



通訊事務管理局辦公室  
OFFICE OF THE  
COMMUNICATIONS AUTHORITY

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**Hong Kong**  
**Table of Frequency Allocations**

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Office of the Communications Authority

## **Preface**

This handbook contains the table of frequency allocations in accordance with the Region 3 allocations under the Radio Regulations which are applicable to Hong Kong, the allocations which have been adopted by Hong Kong, as well as the band plans in use in Hong Kong. This publication is intended to provide a handy reference for spectrum management, radiocommunications systems design, and other related areas of applications.

This handbook can be downloaded direct from the Office of the Communications Authority's Internet homepage at <http://www.ofca.gov.hk>. For further information, please contact the Spectrum Planning Section 3 of the Office of the Communications Authority ("OFCA") at the following address:

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## How to use this handbook

The information is given in table form.

The "REGION 3 ALLOCATION" column gives the overview of allocations in Region 3 on the basis of the Radio Regulations published by the International Telecommunication Union (ITU). For details of the frequency allocations in Region 3, reference should be made to the Article 5 of the Radio Regulations.

Allocations as changed by World Radiocommunication Conferences (WRC) 2023 (WRC-23) are marked by an asterisk "\*" and the allocations before and after the revision are summarised in Annex I.

The Communications Authority recognises the public interest in channel arrangements for fixed services and therefore intends to provide the information as far as possible. Fixed service marked by an "#" indicates that its channel arrangement is available in Annex II.

The table presentation is in line with the Radio Regulations. Where, in a box of the table in the "REGION 3 ALLOCATION" or "HONG KONG ALLOCATION" column, a band is indicated as allocated to more than one service, such services are listed in the following order :

- a. services the names of which are printed in "capitals" (example : FIXED) : these are called "primary" services;
- b. services the name of which are printed in "normal characters" (example: Mobile); these are called "secondary" services.

Additional remarks are printed in normal characters (example : Mobile except aeronautical mobile).

Stations of a secondary service shall not cause harmful interference to stations of primary services and cannot claim protection from harmful interference from stations of primary services.

The "HONG KONG ALLOCATION" column shows the allocations which have been adopted by Hong Kong. The "BAND PLAN AND EXISTING UTILISATION" column is intended to provide more details of existing band plan and utilisation as well as other available technical information. The "REMARKS" column shows the availability and utilisation status.

Supplementary information is given at the bottom of the page.

Hong Kong

Table of Frequency Allocations

## Legend of the Remarks

Legend	Description
“A”	All radio emissions in this frequency band are prohibited according to the Radio Regulations of the International Telecommunication Union. OFCA will not assign any frequency channels.
“B”	Frequency channels in this frequency band can be re-used at different geographical locations or share-used by different users at the same geographical location. If vacant channels are available, the figure given in the corresponding “remarks” column indicates the percentage of the number of channels that are vacant. OFCA can assign the “assigned” frequency channels or “vacant” channels to new users.
“C”	Frequency channels in this frequency band are reserved for Government use only. OFCA will not assign any frequency channels for non-Government services.
“D”	No vacant channel in this frequency band is available for broadcasting services with a territory-wide coverage. Frequency channels are assigned to licensed operators only. Subject to technical feasibility study, frequency channels may be made available for improving the coverage of broadcasting services.
“E”	There is no vacant channel in this frequency band. Further assignment of frequency channels cannot be made.
“F”	Some frequency channels in this frequency band have been assigned on a temporary basis. Vacant channels may not be enough to meet the anticipated demand. The figure given in the corresponding “remarks” column indicates the percentage of the number of channels that are vacant.

Legend	Description
“G”	Frequency channels in this frequency band can be re-used at different locations. Further assignments can be made on a case-by-case basis.
“H”	There is one vacant localised channel for broadcasting services in this frequency band. The localised channel is limited to provide coverage at Shek Kong. Frequency channels are only assigned to licensed operators.
“I”	This frequency band is not yet allocated to any services for the time being. Any interested user may raise a request to OFCA.
“J”	Frequency channels in this frequency band are share-used by all users under the exemption orders or class licences.
“K”	All frequency channels in this frequency band are vacant. OFCA can assign the vacant channels to new users.
“L”	The use of this frequency band is shared by broadcasters worldwide. Frequency channels in this frequency band are assigned to licensed broadcasters only, subject to frequency coordination with other jurisdictions according to the procedures in Article 12 of the Radio Regulations of the International Telecommunication Union.

kHz  
3 - 90

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>BELOW 8.3</b> (Not allocated)	<b>3 - 9</b> TO BE PLANNED	<b>3 - 9</b> (a) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "J"
<b>8.3 - 9</b> METEOROLOGICAL AIDS			
<b>9 - 11.3</b> METEOROLOGICAL AIDS RADIONAVIGATION	<b>9 - 14</b> RADIONAVIGATION	<b>9 - 14</b> (a) Radionavigation (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "C" (b) See note "J"
<b>11.3 - 14</b> RADIONAVIGATION			
<b>14 - 19.95</b> FIXED MARITIME MOBILE	<b>14 - 19.95</b> MARITIME MOBILE	<b>14 - 19.95</b> (a) Maritime mobile (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "K" (b) See note "J"
<b>19.95 - 20.05</b> STANDARD FREQUENCY AND TIME SIGNAL (20 kHz)	<b>19.95 - 20.05</b> STANDARD FREQUENCY AND TIME SIGNAL (SFT)	<b>19.95 - 20.05</b> (a) Standard Frequency and Time Signal (SFT) (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "K" (b) See note "J"
<b>20.05 - 70</b> FIXED MARITIME MOBILE	<b>20.05 - 70</b> MARITIME MOBILE	<b>20.05 - 70</b> (a) Maritime mobile (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "K" (b) See note "J"
<b>70 - 72</b> RADIONAVIGATION Fixed Maritime mobile	<b>70 - 90</b> RADIONAVIGATION	<b>70 - 90</b> (a) Radionavigation (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "C" (b) See note "J"
<b>72 - 84</b> FIXED MARITIME MOBILE RADIONAVIGATION			
<b>84 - 86</b> RADIONAVIGATION Fixed Maritime mobile			
<b>86 - 90</b> FIXED MARITIME MOBILE RADIONAVIGATION			

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

kHz  
90 - 130

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>90 - 110</b> RADIONAVIGATION Fixed	<b>90 - 130</b> RADIONAVIGATION	<b>90 - 130</b> (a) Radionavigation (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "C" (b) See note "J"
<b>110 - 112</b> FIXED MARITIME MOBILE RADIONAVIGATION			
<b>112 - 117.6</b> RADIONAVIGATION Fixed Maritime mobile			
<b>117.6 - 126</b> FIXED MARITIME MOBILE RADIONAVIGATION			
<b>126 - 129</b> RADIONAVIGATION Fixed Maritime mobile			
<b>129 - 130</b> FIXED MARITIME MOBILE RADIONAVIGATION			

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

kHz  
130 - 285

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>130 - 135.7</b> FIXED MARITIME MOBILE RADIONAVIGATION	<b>130 - 190</b> TO BE PLANNED	<b>130 - 190</b> (a) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "J"
<b>135.7 - 137.8</b> FIXED MARITIME MOBILE RADIONAVIGATION Amateur			
<b>137.8 - 160</b> FIXED MARITIME MOBILE RADIONAVIGATION			
<b>160 - 190</b> FIXED Aeronautical radionavigation			
<b>190 - 200</b> AERONAUTICAL RADIONAVIGATION	<b>190 - 285</b> AERONAUTICAL RADIONAVIGATION	<b>190 - 195</b> (a) Aeronautical radionavigation (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "C" (b) See note "J"
		<b>195 - 285</b> (a) Aeronautical radionavigation	(a) See note "C"
<b>200 - 285</b> AERONAUTICAL RADIONAVIGATION Aeronautical mobile			

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

kHz  
285 - 415

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>285 - 315</b> AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons)	<b>285 - 325</b> MARITIME RADIONAVIGATION	<b>285 - 325</b> (a) Maritime radionavigation	(a) See note "C"
<b>315 - 325</b> AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons)			
<b>325 - 405</b> AERONAUTICAL RADIONAVIGATION Aeronautical mobile	<b>325 - 415</b> AERONAUTICAL RADIONAVIGATION	<b>325 - 415</b> (a) Aeronautical radionavigation	(a) See note "C"
<b>405 - 415</b> RADIONAVIGATION Aeronautical mobile			

kHz  
415 - 526.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>415 - 472</b> MARITIME MOBILE [1] Aeronautical radionavigation	<b>415 - 526.5</b> MARITIME MOBILE	<b>415 - 526.5</b> (a) Maritime mobile	(a) 95% of the frequency channels in the band are vacant.
<b>472 - 479</b> MARITIME MOBILE [1] Amateur Aeronautical radionavigation			
<b>479 - 495</b> MARITIME MOBILE [1] Aeronautical radionavigation			
<b>495 - 505</b> MARITIME MOBILE [2][3]			
<b>505 - 526.5</b> MARITIME MOBILE [1] AERONAUTICAL RADIONAVIGATION Aeronautical mobile Land mobile			

[1] In the maritime mobile service, the frequency bands 415 - 495 kHz and 505 - 526.5 kHz are limited to radiotelegraphy and may also be used for the NAVDAT system in accordance with the most recent version of Recommendation ITU-R M.2010, subject to agreement between interested and affected administrations. NAVDAT transmitting stations are limited to coast stations.

[2] The frequency band 495 - 505 kHz is used for the international NAVDAT system as described in the most recent version of Recommendation ITU-R M.2010. NAVDAT transmitting stations are limited to coast stations.

[3] When establishing coast stations in the NAVDAT system on the frequency 500 kHz, the conditions for the use of the frequency are prescribed in Articles 31 and 52 of the Radio Regulations.

kHz  
526.5 - 1606.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
526.5 - 535 BROADCASTING Mobile	526.5 - 1606.5 BROADCASTING	526.5 - 1606.5 (a) Broadcasting	(a) See note "H"
535 - 1606.5 BROADCASTING			

kHz  
1606.5 - 2000

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>1606.5 - 1800</b> FIXED MOBILE RADIOLOCATION RADIONAVIGATION	<b>1606.5 - 1800</b> LAND MOBILE RADIOLOCATION RADIONAVIGATION	<b>1606.5 - 1800</b> (a) Radiolocation (b) Telecommunications Apparatus [1] 1627.5 - 1796.5 kHz	(a) See note "B" (b) See note "J"
<b>1800 - 2000</b> AMATEUR FIXED MOBILE except aeronautical mobile RADIONAVIGATION Radiolocation	<b>1800 - 2000</b> AMATEUR RADIONAVIGATION	<b>1800 - 2000</b> (a) Amateur (b) Radionavigation	(a) See note "B" (b) See note "C"

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

kHz  
2000 - 2495

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
2000 - 2065 FIXED MOBILE	2000 - 2495 MARITIME MOBILE	2000 - 2495 (a) Maritime mobile	(a) 75% of the frequency channels in the band are vacant.
2065 - 2107 MARITIME MOBILE			
2107 - 2170 FIXED MOBILE			
2170 - 2173.5 MARITIME MOBILE			
2173.5 - 2190.5 MOBILE (distress and calling)			
2190.5 - 2194 MARITIME MOBILE			
2194 - 2300 FIXED MOBILE			
2300 - 2495 FIXED MOBILE BROADCASTING			

kHz  
2495 - 2850

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<p><b>2495 - 2501</b> STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz)</p>	<p><b>2495 - 2505</b> STANDARD FREQUENCY AND TIME SIGNAL (SFT)</p>	<p><b>2495 - 2505</b> (a) Standard Frequency and Time Signal (SFT)</p>	<p>(a) See note "K"</p>
<p><b>2501 - 2502</b> STANDARD FREQUENCY AND TIME SIGNAL Space research</p>			
<p><b>2502 - 2505</b> STANDARD FREQUENCY AND TIME SIGNAL</p>			
<p><b>2505 - 2850</b> FIXED MOBILE</p>	<p><b>2505 - 2850</b> MARITIME MOBILE</p>	<p><b>2505 - 2850</b> (a) Maritime mobile</p>	<p>(a) See note "K"</p>

kHz  
2850 - 3400

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>2850 - 3025</b> AERONAUTICAL MOBILE (R)	<b>2850 - 3200</b> AERONAUTICAL MOBILE	<b>2850 - 3200</b> (a) Aeronautical mobile	(a) See note "B"
<b>3025 - 3155</b> AERONAUTICAL MOBILE (OR)			
<b>3155 - 3200</b> FIXED MOBILE except aeronautical mobile (R)			
<b>3200 - 3230</b> FIXED MOBILE except aeronautical mobile (R) BROADCASTING	<b>3200 - 3400</b> FIXED	<b>3200 - 3400</b> (a) Fixed	(a) 13% of the frequency channels in the band are vacant.
<b>3230 - 3400</b> FIXED MOBILE except aeronautical mobile BROADCASTING			

kHz  
3400 - 4000

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>3400 - 3500</b> AERONAUTICAL MOBILE (R)	<b>3400 - 3500</b> AERONAUTICAL MOBILE	<b>3400 - 3500</b> (a) Aeronautical mobile	(a) See note "B"
<b>3500 - 3900</b> AMATEUR FIXED MOBILE	<b>3500 - 3900</b> AMATEUR MARITIME MOBILE	<b>3500 - 3900</b> (a) Amateur (b) Maritime mobile	(a) See note "B" (b) 47% of the frequency channels in the band are vacant.
<b>3900 - 3950</b> AERONAUTICAL MOBILE BROADCASTING	<b>3900 - 3950</b> AERONAUTICAL MOBILE	<b>3900 - 3950</b> (a) Aeronautical mobile	(a) See note "B"
<b>3950 - 4000</b> FIXED BROADCASTING	<b>3950 - 4000</b> TO BE PLANNED	<b>3950 - 4000</b>	See note "I"

kHz  
4000 - 4650

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
4000 - 4063 FIXED MARITIME MOBILE	4000 - 4063 FIXED MARITIME MOBILE	4000 - 4063 (a) Maritime mobile	(a) See note "B"
4063 - 4438 MARITIME MOBILE [1][2][3]	4063 - 4438 MARITIME MOBILE	4063 - 4438 (a) Maritime mobile	(a) See note "B"
4438 - 4488 FIXED MOBILE except aeronautical mobile Radiolocation	4438 - 4650 FIXED	4438 - 4650 (a) Fixed	(a) See note "E"
4488 - 4650 FIXED MOBILE except aeronautical mobile			

[1] Frequencies in the frequency bands 4063 - 4123 kHz and 4130 - 4438 kHz may be used exceptionally by stations in the fixed service, communicating only within the boundary of the country in which they are located, with a mean power not exceeding 50 W, on condition that harmful interference is not caused to the maritime mobile service.

[2] The frequency 4210 kHz is the international frequency for the transmission of maritime safety information (MSI)(see Appendices 15 and 17 of the Radio Regulations).

[3] When establishing coast stations in the NAVDAT system on the frequency 4226 kHz, the conditions for the use of the frequency are prescribed in Articles 31 and 52 of the Radio Regulations.

kHz  
4650 - 5005

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>4650 - 4700</b> AERONAUTICAL MOBILE (R)	<b>4650 - 4750</b> AERONAUTICAL MOBILE	<b>4650 - 4750</b> (a) Aeronautical mobile	(a) See note "B"
<b>4700 - 4750</b> AERONAUTICAL MOBILE (OR)			
<b>4750 - 4850</b> FIXED BROADCASTING Land mobile	<b>4750 - 4995</b> FIXED	<b>4750 - 4995</b> (a) Fixed	(a) 33% of the frequency channels in the band are vacant.
<b>4850 - 4995</b> FIXED LAND MOBILE BROADCASTING			
<b>4995 - 5003</b> STANDARD FREQUENCY AND TIME SIGNAL (5000 kHz)	<b>4995 - 5005</b> STANDARD FREQUENCY AND TIME SIGNAL (SFT)	<b>4995 - 5005</b> (a) Standard Frequency and Time Signal (SFT)	(a) See note "K"
<b>5003 - 5005</b> STANDARD FREQUENCY AND TIME SIGNAL Space research			

kHz  
5005 - 5480

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>5005 - 5060</b> FIXED BROADCASTING	<b>5005 - 5250</b> FIXED	<b>5005 - 5480</b> (a) Fixed  (b) Amateur 5351.5 - 5366.5 kHz (c) Radiolocation 5250 - 5275 kHz	(a) 66% of the frequency channels in the band are vacant. (b)&(c) See note "B"
<b>5060 - 5250</b> FIXED Mobile except aeronautical mobile			
<b>5250 - 5275</b> FIXED MOBILE except aeronautical mobile Radiolocation	<b>5250 - 5275</b> FIXED Radiolocation		
<b>5275 - 5351.5</b> FIXED MOBILE except aeronautical mobile	<b>5275 - 5351.5</b> FIXED		
<b>5351.5 - 5366.5</b> FIXED MOBILE except aeronautical mobile Amateur [1]	<b>5351.5 - 5366.5</b> FIXED Amateur		
<b>5366.5 - 5450</b> FIXED MOBILE except aeronautical mobile	<b>5366.5 - 5480</b> FIXED		
<b>5450 - 5480</b> FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE			

[1] Stations in the amateur service using the frequency band 5351.5 - 5366.5 kHz shall not exceed a maximum equivalent isotropically radiated power of 15 W.

kHz  
5480 - 6765

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
5480 - 5680 AERONAUTICAL MOBILE (R)	5480 - 5730 AERONAUTICAL MOBILE	5480 - 5730 (a) Aeronautical mobile	(a) See note "B"
5680 - 5730 AERONAUTICAL MOBILE (OR)			
5730 - 5900 FIXED Mobile except aeronautical mobile (R)	5730 - 5950 FIXED	5730 - 5950 (a) Fixed	(a) 45% of the frequency channels in the band are vacant.
5900 - 5950 BROADCASTING [1]			
5950 - 6200 BROADCASTING	5950 - 6200 BROADCASTING	5950 - 6200 (a) Broadcasting	(a) See note "L"
6200 - 6525 MARITIME MOBILE [2][3]	6200 - 6525 MARITIME MOBILE	6200 - 6525 (a) Maritime mobile	(a) See note "B"
6525 - 6685 AERONAUTICAL MOBILE (R)	6525 - 6765 AERONAUTICAL MOBILE	6525 - 6765 (a) Aeronautical mobile	(a) See note "B"
6685 - 6765 AERONAUTICAL MOBILE (OR)			

[1] The frequency band 5900 - 5950 kHz may be used by stations in the fixed service and the mobile except aeronautical mobile (R) service, communicating only within the boundary of the country in which they are located.

[2] The frequency 6314 kHz is the international frequency for the transmission of maritime safety information (MSI)(see Appendices 15 and 17 of the Radio Regulations).

[3] The frequency 6337.5 kHz is the regional frequency for the transmission of maritime safety information (MSI) by means of the NAVDAT system (see Appendices 15 and 17 of the Radio Regulations).

kHz  
6765 - 7300

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>6765 - 7000</b> FIXED MOBILE except aeronautical mobile (R) [1]	<b>6765 - 6795</b> INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)	<b>6765 - 6795</b> (a) Industrial, Scientific and Medical (ISM) Equipment	(a) See note "B"
	<b>6795 - 7000</b> FIXED	<b>6795 - 7000</b> (a) Fixed	(a) 26% of the frequency channels in the band are vacant.
<b>7000 - 7100</b> AMATEUR AMATEUR-SATELLITE	<b>7000 - 7100</b> AMATEUR AMATEUR-SATELLITE	<b>7000 - 7100</b> (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
<b>7100 - 7200</b> AMATEUR	<b>7100 - 7200</b> AMATEUR	<b>7100 - 7200</b> (a) Amateur	(a) See note "B"
<b>7200 - 7300</b> BROADCASTING	<b>7200 - 7300</b> BROADCASTING	<b>7200 - 7300</b> (a) Broadcasting	(a) See note "L"

[1] The frequency band 6765 - 6795 kHz is designated for industrial, scientific and medical (ISM) applications.

kHz  
7300 - 9040

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
7300 - 7450 BROADCASTING [1]	7300 - 8195 FIXED	7300 - 8195 (a) Fixed	(a) 70% of the frequency channels in the band are vacant.
7450 - 8100 FIXED MOBILE except aeronautical mobile (R)			
8100 - 8195 FIXED MARITIME MOBILE			
8195 - 8815 MARITIME MOBILE [2][3]	8195 - 8815 MARITIME MOBILE	8195 - 8815 (a) Maritime mobile	(a) See note "B"
8815 - 8965 AERONAUTICAL MOBILE (R)	8815 - 9040 AERONAUTICAL MOBILE	8815 - 9040 (a) Aeronautical mobile	(a) See note "B"
8965 - 9040 AERONAUTICAL MOBILE (OR)			

[1] The frequency band 7300 - 7350 kHz may be used by stations in the fixed service and in the land mobile service, communicating only within the boundary of the country in which they are located.

[2] The frequency 8416.5 kHz is the international frequency for the transmission of maritime safety information (MSI)(see Appendices 15 and 17 of the Radio Regulations).

[3] The frequency 8443 kHz is the regional frequency for the transmission of maritime safety information (MSI) by means of the NAVDAT system (see Appendices 15 and 17 of the Radio Regulations).

kHz  
9040 - 9995

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>9040 - 9305</b> FIXED	<b>9040 - 9500</b> FIXED	<b>9040 - 9500</b> (a) Fixed	(a) 88% of the frequency channels in the band are vacant.
<b>9305 - 9355</b> FIXED Radiolocation			
<b>9355 - 9400</b> FIXED			
<b>9400 - 9500</b> BROADCASTING [1]			
<b>9500 - 9900</b> BROADCASTING	<b>9500 - 9900</b> BROADCASTING	<b>9500 - 9900</b> (a) Broadcasting	(a) See note "L"
<b>9900 - 9995</b> FIXED	<b>9900 - 9995</b> FIXED	<b>9900 - 9995</b> (a) Fixed	(a) 94% of the frequency vacant.

[1] The frequency band 9400 - 9500 kHz may be used by stations in the fixed service, communicating only within the boundary of the country in which they are located.

kHz  
9995 - 11175

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>9995 - 10003</b> STANDARD FREQUENCY AND TIME SIGNAL (10 000 kHz)	<b>9995 - 10005</b> STANDARD FREQUENCY AND TIME SIGNAL (SFT)	<b>9995 - 10005</b> (a) Standard Frequency and Time Signal (SFT)	(a) See note "K"
<b>10003 - 10005</b> STANDARD FREQUENCY AND TIME SIGNAL Space research			
<b>10005 - 10100</b> AERONAUTICAL MOBILE (R)	<b>10005 - 10100</b> AERONAUTICAL MOBILE	<b>10005 - 10100</b> (a) Aeronautical mobile	(a) See note "B"
<b>10100 - 10150</b> FIXED Amateur	<b>10100 - 10150</b> FIXED Amateur	<b>10100 - 10150</b> (a) Fixed  (b) Amateur	(a) 90% of the frequency channels in the band are vacant. (b) See note "B"
<b>10150 - 11175</b> FIXED Mobile except aeronautical mobile (R)	<b>10150 - 11175</b> FIXED	<b>10150 - 11175</b> (a) Fixed	(a) 26% of the frequency channels in the band are vacant.

kHz  
11175 - 13200

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>11175 - 11275</b> AERONAUTICAL MOBILE (OR)	<b>11175 - 11400</b> AERONAUTICAL MOBILE	<b>11175 - 11400</b> (a) Aeronautical mobile	(a) See note "B"
<b>11275 - 11400</b> AERONAUTICAL MOBILE (R)			
<b>11400 - 11600</b> FIXED	<b>11400 - 11650</b> FIXED	<b>11400 - 11650</b> (a) Fixed	(a) 98% of the frequency channels in the band are vacant.
<b>11600 - 11650</b> BROADCASTING [1]			
<b>11650 - 12050</b> BROADCASTING	<b>11650 - 12050</b> BROADCASTING	<b>11650 - 12050</b> (a) Broadcasting	(a) See note "L"
<b>12050 - 12100</b> BROADCASTING [1]	<b>12050 - 12230</b> FIXED	<b>12050 - 12230</b> (a) Fixed	(a) 77% of the frequency channels in the band are vacant.
<b>12100 - 12230</b> FIXED			
<b>12230 - 13200</b> MARITIME MOBILE [2][3]	<b>12230 - 13200</b> MARITIME MOBILE	<b>12230 - 13200</b> (a) Maritime mobile	(a) See note "B"

[1] The frequency band 11600 - 11650 kHz and 12050 - 12100 kHz may be used by stations in the fixed service, communicating only within the boundary of the country in which they are located.

[2] The frequency 12579 kHz is the international frequency for the transmission of maritime safety information (MSI)(see Appendices 15 and 17 of the Radio Regulations).

[3] The frequency 12663.5 kHz is the regional frequency for the transmission of maritime safety information (MSI) by means of the NAVDAT system (see Appendices 15 and 17 of the Radio Regulations).

kHz  
13200 - 14250

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>13200 - 13260</b> AERONAUTICAL MOBILE (OR)	<b>13200 - 13360</b> AERONAUTICAL MOBILE	<b>13200 - 13360</b> (a) Aeronautical mobile	(a) See note "B"
<b>13260 - 13360</b> AERONAUTICAL MOBILE (R)			
<b>13360 - 13410</b> FIXED RADIO ASTRONOMY	<b>13360 - 13553</b> FIXED	<b>13360 - 13553</b> (a) Fixed	(a) 19% of the frequency channels in the band are vacant
<b>13410 - 13450</b> FIXED Mobile except aeronautical mobile (R)			
<b>13450 - 13550</b> FIXED Mobile except aeronautical mobile (R) Radiolocation			
<b>13550 - 13570</b> FIXED Mobile except aeronautical mobile (R) [1]			
<b>13570 - 13600</b> BROADCASTING [2]	<b>13553 - 13567</b> INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)	<b>13553 - 13567</b> (a) Industrial, Scientific and Medical (ISM) Equipment (b) Telecommunications Apparatus [3]	(a) See note "B" (b) See note "J"
	<b>13567 - 13600</b> FIXED	<b>13567 - 13600</b> (a) Fixed	(a) 15% of the frequency channels in the band are vacant.
<b>13600 - 13800</b> BROADCASTING	<b>13600 - 13800</b> BROADCASTING	<b>13600 - 13800</b> (a) Broadcasting	(a) See note "L"
<b>13800 - 13870</b> BROADCASTING [2]	<b>13800 - 14000</b> FIXED	<b>13800 - 14000</b> (a) Fixed	(a) 53% of the frequency channels in the band are vacant
<b>13870 - 14000</b> FIXED Mobile except aeronautical mobile (R)			
<b>14000 - 14250</b> AMATEUR AMATEUR-SATELLITE	<b>14000 - 14250</b> AMATEUR AMATEUR-SATELLITE	<b>14000 - 14250</b> (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"

[1] The frequency band 13553 - 13567 kHz (centre frequency 13560 kHz) is also designated for industrial, scientific and medical (ISM) applications. Radiocommunications services operating within this band must accept harmful interference which may be caused by these applications.

[2] The frequency bands 13570 - 13600 kHz and 13800 - 13870 kHz may be used by stations in the fixed service and in the mobile except aeronautical mobile (R) service, communicating only within the boundary of the country in which they are located.

[3] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

kHz  
14250 - 17410

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>14250 - 14350</b> AMATEUR	<b>14250 - 14350</b> AMATEUR	<b>14250 - 14350</b> (a) Amateur	(a) See note "B"
<b>14350 - 14990</b> FIXED Mobile except aeronautical mobile (R)	<b>14350 - 14990</b> FIXED	<b>14350 - 14990</b> (a) Fixed	(a) 71% of the frequency channels in the band are vacant.
<b>14990 - 15005</b> STANDARD FREQUENCY AND TIME SIGNAL (15 000 kHz)	<b>14990 - 15010</b> STANDARD FREQUENCY AND TIME SIGNAL (SFT)	<b>14990 - 15010</b> (a) Standard Frequency and Time Signal (SFT)	(a) See note "K"
<b>15005 - 15010</b> STANDARD FREQUENCY AND TIME SIGNAL Space research			
<b>15010 - 15100</b> AERONAUTICAL MOBILE (OR)	<b>15010 - 15100</b> AERONAUTICAL MOBILE	<b>15010 - 15100</b> (a) Aeronautical mobile	(a) See note "B"
<b>15100 - 15600</b> BROADCASTING	<b>15100 - 15600</b> BROADCASTING	<b>15100 - 15600</b> (a) Broadcasting	(a) See note "L"
<b>15600 - 15800</b> BROADCASTING [1]	<b>15600 - 16360</b> FIXED	<b>15600 - 16360</b> (a) Fixed	(a) 53% of the frequency channels in the band are vacant.
<b>15800 - 16100</b> FIXED			
<b>16100 - 16200</b> FIXED Radiolocation			
<b>16200 - 16360</b> FIXED			
<b>16360 - 17410</b> MARITIME MOBILE [2][3]	<b>16360 - 17410</b> MARITIME MOBILE	<b>16360 - 17410</b> (a) Maritime mobile	(a) See note "B"

[1] The frequency band 15600 - 15800 kHz may be used by stations in the fixed service, communicating only within the boundary of the country in which they are located.

[2] The frequency 16806.5 kHz is the international frequency for the transmission of maritime safety information (MSI)(see Appendices 15 and 17 of the Radio Regulations).

[3] The frequency 16909.5 kHz is the regional frequency for the transmission of maritime safety information (MSI) by means of the NAVDAT system (see Appendices 15 and 17 of the Radio Regulations).

kHz  
17410 - 18900

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>17410 - 17480</b> FIXED	<b>17410 - 17550</b> FIXED	<b>17410 - 17550</b> (a) Fixed	(a) 96% of the frequency channels in the band are vacant.
<b>17480 - 17550</b> BROADCASTING [1]			
<b>17550 - 17900</b> BROADCASTING	<b>17550 - 17900</b> BROADCASTING	<b>17550 - 17900</b> (a) Broadcasting	(a) See note "L"
<b>17900 - 17970</b> AERONAUTICAL MOBILE (R)	<b>17900 - 18030</b> AERONAUTICAL MOBILE	<b>17900 - 18030</b> (a) Aeronautical mobile	(a) See note "B"
<b>17970 - 18030</b> AERONAUTICAL MOBILE (OR)			
<b>18030 - 18052</b> FIXED	<b>18030 - 18068</b> FIXED	<b>18030 - 18068</b> (a) Fixed	(a) 86% of the frequency channels in the band are vacant.
<b>18052 - 18068</b> FIXED Space research			
<b>18068 - 18168</b> AMATEUR AMATEUR-SATELLITE	<b>18068 - 18168</b> AMATEUR AMATEUR-SATELLITE	<b>18068 - 18168</b> (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
<b>18168 - 18780</b> FIXED Mobile except aeronautical mobile	<b>18168 - 18780</b> FIXED	<b>18168 - 18780</b> (a) Fixed	(a) 78% of the frequency channels in the band are vacant.
<b>18780 - 18900</b> MARITIME MOBILE	<b>18780 - 18900</b> MARITIME MOBILE	<b>18780 - 18900</b> (a) Maritime mobile	(a) See note "B"

[1] The frequency band 17480 - 17550 kHz may be used by stations in the fixed service, communicating only within the boundary of the country in which they are located.

kHz  
18900 - 21924

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>18900 - 19020</b> BROADCASTING [1]	<b>18900 - 19680</b> FIXED	<b>18900 - 19680</b> (a) Fixed	(a) 98% of the frequency channels in the band are vacant.
<b>19020 - 19680</b> FIXED			
<b>19680 - 19800</b> MARITIME MOBILE [2]	<b>19680 - 19800</b> MARITIME MOBILE	<b>19680 - 19800</b> (a) Maritime mobile	(a) See note "B"
<b>19800 - 19990</b> FIXED	<b>19800 - 19990</b> FIXED	<b>19800 - 19990</b> (a) Fixed	(a) 97% of the frequency channels in the band are vacant.
<b>19990 - 19995</b> STANDARD FREQUENCY AND TIME SIGNAL Space research	<b>19990 - 20010</b> STANDARD FREQUENCY AND TIME SIGNAL (SFT)	<b>19990 - 20010</b> (a) Standard Frequency and Time Signal (SFT)	(a) See note "K"
<b>19995 - 20010</b> STANDARD FREQUENCY AND TIME SIGNAL (20 000 kHz)			
<b>20010 - 21000</b> FIXED Mobile	<b>20010 - 21000</b> FIXED	<b>20010 - 21000</b> (a) Fixed	(a) 78% of the frequency channels in the band are vacant.
<b>21000 - 21450</b> AMATEUR AMATEUR-SATELLITE	<b>21000 - 21450</b> AMATEUR AMATEUR-SATELLITE	<b>21000 - 21450</b> (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
<b>21450 - 21850</b> BROADCASTING	<b>21450 - 21850</b> BROADCASTING	<b>21450 - 21850</b> (a) Broadcasting	(a) See note "L"
<b>21850 - 21870</b> FIXED	<b>21850 - 21924</b> FIXED	<b>21850 - 21924</b>	See note "K"
<b>21870 - 21924</b> FIXED [3]			

[1] The frequency band 18900 - 19020 kHz may be used by stations in the fixed service, communicating only within the boundary of the country in which they are located.

[3] The frequency band 21870 - 21924 kHz is used by the fixed service for provision of services related to aircraft flight safety.

[2] The frequency 19680.5 kHz is the international frequency for the transmission of maritime safety information (MSI)(see Appendices 15 and 17 of the Radio Regulations).

kHz  
21924 - 23350

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
21924 - 22000 AERONAUTICAL MOBILE (R)	21924 - 22000 AERONAUTICAL MOBILE	21924 - 22000 (a) Aeronautical mobile	(a) See note "B"
22000 - 22855 MARITIME MOBILE [1][2]	22000 - 22855 MARITIME MOBILE	22000 - 22855 (a) Maritime mobile	(a) See note "B"
22855 - 23000 FIXED	22855 - 23200 FIXED	22855 - 23200 (a) Fixed	(a) 78% of the frequency channels in the band are vacant.
23000 - 23200 FIXED Mobile except aeronautical mobile (R)			
23200 - 23350 FIXED AERONAUTICAL MOBILE (OR)	23200 - 23350 TO BE PLANNED	23200 - 23350	See note "I"

[1] The frequency 22376 kHz is the international frequency for the transmission of maritime safety information (MSI)(see Appendices 15 and 17 of the Radio Regulations).

[2] The frequency 22450.5 kHz is the regional frequency for the transmission of maritime safety information (MSI) by means of the NAVDAT system (see Appendices 15 and 17 of the Radio Regulations).

kHz  
23350 - 25070

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>23350 - 24000</b> FIXED MOBILE except aeronautical mobile	<b>23350 - 24890</b> FIXED	<b>23350 - 24890</b> (a) Fixed	(a) 80% of the frequency channels in the band are vacant.
<b>24000 - 24450</b> FIXED LAND MOBILE			
<b>24450 - 24600</b> FIXED LAND MOBILE Radiolocation			
<b>24600 - 24890</b> FIXED LAND MOBILE			
<b>24890 - 24990</b> AMATEUR AMATEUR-SATELLITE	<b>24890 - 24990</b> AMATEUR AMATEUR-SATELLITE	<b>24890 - 24990</b> (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
<b>24990 - 25005</b> STANDARD FREQUENCY AND TIME SIGNAL (25 000 kHz)	<b>24990 - 25010</b> STANDARD FREQUENCY AND TIME SIGNAL (SFT)	<b>24990 - 25010</b> (a) Standard Frequency and Time Signal (SFT)	(a) See note "K"
<b>25005 - 25010</b> STANDARD FREQUENCY AND TIME SIGNAL Space research			
<b>25010 - 25070</b> FIXED MOBILE except aeronautical mobile	<b>25010 - 25070</b> FIXED	<b>25010 - 25070</b>	See note "K"

kHz  
25070 - 26175

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
25070 - 25210 MARITIME MOBILE	25070 - 25210 MARITIME MOBILE	25070 - 25210 (a) Maritime mobile	(a) See note "B"
25210 - 25550 FIXED MOBILE except aeronautical mobile	25210 - 25550 FIXED	25210 - 25550	See note "K"
25550 - 25670 RADIO ASTRONOMY	25550 - 25670 RADIO ASTRONOMY	25550 - 25670 (a) Radio astronomy	(a) See note "B"
25670 - 26100 BROADCASTING	25670 - 26100 BROADCASTING	25670 - 26100 (a) Broadcasting	(a) See note "L"
26100 - 26175 MARITIME MOBILE [1]	26100 - 26175 MARITIME MOBILE	26100 - 26175 (a) Maritime mobile	(a) See note "B"

[1] The frequency 26100.5 kHz is the international frequency for the transmission of maritime safety information (MSI)(see Appendices 15 and 17 of the Radio Regulations).

kHz  
26175 - 29700

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>26175 - 26200</b> FIXED MOBILE except aeronautical mobile	<b>26175 - 26957</b> FIXED	<b>26175 - 26957</b> (a) Fixed	(a) 85% of the frequency channels in the band are vacant.
<b>26200 - 26350</b> FIXED MOBILE except aeronautical mobile Radiolocation			
<b>26350 - 27500</b> FIXED MOBILE except aeronautical mobile [1]	<b>26957 - 27283</b> INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM) MOBILE except aeronautical mobile	<b>26957 - 27283</b> (a) Industrial, Scientific and Medical (ISM) Equipment (b) Telecommunications Apparatus [2] 26960 - 27280 kHz (c) Citizens Band Radio 26960 - 27410 kHz	(a) See note "B" (b)&(c) See note "J"
	<b>27283 - 27500</b> FIXED MOBILE except aeronautical mobile	<b>27283 - 27500</b> (a) Citizens Band Radio 26960 - 27410 kHz	(a) See note "J"
<b>27500 - 28000</b> METEOROLOGICAL AIDS FIXED MOBILE	<b>27500 - 28000</b> TO BE PLANNED	<b>27500 - 28000</b>	See note "I"
<b>28000 - 29700</b> AMATEUR AMATEUR-SATELLITE	<b>28000 - 29700</b> AMATEUR AMATEUR-SATELLITE	<b>28000 - 29700</b> (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"

[1] The frequency band 26957 - 27283 kHz (centre frequency 27120 kHz) is also designated for industrial, scientific and medical (ISM) applications. Radiocommunications services operating within this band must accept harmful interference which may be caused by these applications.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
29.7- 33

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
29.7 - 30.005 FIXED MOBILE	29.7 - 31.7 FIXED MOBILE	29.7 - 30.005	See note "K"
30.005 - 30.01 SPACE OPERATION (satellite identification) FIXED MOBILE SPACE RESEARCH		30.005 - 30.01 (a) Satellite Identification	(a) See note "B"
30.01 - 33 FIXED MOBILE		30.01 - 31.7	See note "K"
	31.7 - 33 LAND MOBILE	31.7 - 32.5 (a) Mobile Radio Systems (Low Power) Single-frequency simplex 12.5 kHz channel spacing 5 W erp maximum (b) Demonstration Frequency 32.125 MHz 25 kHz channel spacing 25 W erp maximum	(a) 76% of the frequency channels in the band are vacant.  (b) See note "B"
		32.5 - 33 (a) On-Site Paging 25 kHz channel spacing 5 W erp maximum	(a) 45% of the frequency channels in the band are vacant.

MHz  
33 - 37.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>33 - 37.5</b> FIXED MOBILE	<b>33 - 36.5</b> FIXED LAND MOBILE	<b>33 - 36.5</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Wireless Microphone Frequencies 33.14 MHz 20 mW erp maximum 36.40 MHz 20 mW erp maximum 50 kHz channel spacing (c) Telecommunications Apparatus [1] 33 - 33.28 MHz, 35.145 - 35.225 MHz, 36.26 - 36.54 MHz, 36.41 - 36.69 MHz	(a) 57% of the frequency channels in the band are vacant.  (b) See note "B"  (c) See note "J"
	<b>36.5 - 37</b> LAND MOBILE	<b>36.5 - 37</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Wireless Microphone Frequencies 36.55 MHz 20 mW erp maximum 36.70 MHz 20 mW erp maximum 36.85 MHz 20 mW erp maximum (c) Telecommunications Apparatus [1] 36.26 - 36.54 MHz, 36.41 - 36.69 MHz, 36.71 - 36.99 MHz, 36.96 - 37.24 MHz	(a) See note "K"  (b) See note "B"  (c) See note "J"
	<b>37 - 37.5</b> FIXED LAND MOBILE	<b>37 - 37.5</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Wireless Microphone Frequency 37.10 MHz 20 mW erp maximum (c) Telecommunications Apparatus [1] 36.96 - 37.24 MHz	(a) See note "K"  (b) See note "B"  (c) See note "J"

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
37.5 - 40.02

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>37.5 - 38.25</b> FIXED MOBILE Radio astronomy	<b>37.5 - 40.02</b> FIXED LAND MOBILE	<b>37.5 - 40.02</b> (a) Mobile Radio Systems <b>37.5 - 40.66 MHz</b> Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 89% of the frequency channels in the band are vacant.
<b>38.25 - 39.5</b> FIXED MOBILE			
<b>39.5 - 39.986</b> FIXED MOBILE RADIOLOCATION			
<b>39.986 - 40</b> FIXED MOBILE RADIOLOCATION Space research			
* <b>40 - 40.02</b> FIXED MOBILE Earth exploration-satellite (active) Space research			

MHz  
40.02 - 45.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
* <b>40.02 - 40.98</b> FIXED MOBILE Earth exploration-satellite (active) [1]	<b>40.02 - 40.66</b> FIXED LAND MOBILE	<b>40.02 - 40.66</b> (a) Mobile Radio Systems <b>37.5 - 40.66 MHz</b> Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 89% of the frequency channels in the band are vacant.
	<b>40.66 - 40.7</b> INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)	<b>40.66 - 40.7</b> (a) Industrial, Scientific and Medical (ISM) Equipment (b) Telecommunications Apparatus [2] (c) Wireless Microphone Frequency 40.68 MHz 20 mW erp maximum	(a) See note "B" (b) See note "J" (c) See note "B"
	<b>40.7 - 45.5</b> FIXED LAND MOBILE	<b>40.7 - 45.5</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Wireless Microphone Frequencies 42.89 MHz 20 mW erp maximum 44.87 MHz 20 mW erp maximum (c) Telecommunications Apparatus [2] 42.75 - 43.03 MHz, 43.71 - 44.49 MHz, 44.73 - 45.01 MHz (d) Cordless Helmet Communication Frequency 42.975 MHz	(a) 98% of the frequency channels in the band are vacant.  (b) See note "B"  (c) See note "J"  (d) See note "B"
* <b>40.98 - 41.015</b> FIXED MOBILE Earth exploration-satellite (active) Space research			
* <b>41.015 - 45.5</b> FIXED MOBILE Earth exploration-satellite (active)			

[1] The frequency band 40.66 - 40.70 MHz (centre frequency 40.68 MHz) is also designated for industrial, scientific and medical (ISM) applications. Radiocommunications services operating within this band must accept harmful interference which may be caused by these applications.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
45.5 - 50

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
* 45.5 - 47 FIXED MOBILE Earth exploration-satellite (active)	45.5 - 47 LAND MOBILE	45.5 - 47 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Telecommunications Apparatus [1] 46.6 - 46.98 MHz	(a) 70% of the frequency channels in the band are vacant.  (b) See note "J"
* 47 - 50 FIXED MOBILE BROADCASTING Earth exploration-satellite (active)	47 - 48 FIXED LAND MOBILE	47 - 48 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Wireless Microphone Frequency 47.27 MHz 20 mW erp maximum (c) Telecommunications Apparatus [1] 47.13 - 47.41 MHz, 47.43 - 47.56 MHz	(a) 95% of the frequency channels in the band are vacant.  (b) See note "B"  (c) See note "J"
	48 - 50 LAND MOBILE	48 - 50 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Telecommunications Apparatus [1] 48.75 - 50 MHz	(a) 80% of the frequency channels in the band are vacant.  (b) See note "J"

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
50 - 54

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<p><b>50 - 54</b> AMATEUR</p>	<p><b>50 - 51.5</b> AMATEUR</p>	<p><b>50 - 51.5</b> (a) Amateur</p>	<p>(a) See note "B"</p>
	<p><b>51.5 - 52.85</b> AMATEUR FIXED LAND MOBILE</p>	<p><b>51.5 - 52.85</b> (a) Government (b) Amateur 52.025 - 52.11 MHz</p>	<p>(a) See note "C" (b) See note "B"</p>
	<p><b>52.85 - 54</b> LAND MOBILE</p>	<p><b>52.85 - 54</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum</p>	<p>(a) 76% of the frequency channels in the band are vacant.</p>

MHz  
54 - 70

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>54 - 68</b> FIXED MOBILE BROADCASTING	<b>54 - 70</b> LAND MOBILE	<b>54 - 66</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Wireless Microphone Frequency (Audio Aids Common Frequency) 55.5 MHz 20 mW erp maximum (c) Demonstration Frequency 55.6 MHz 25 kHz channel spacing 25 W erp maximum	(a) 67% of the frequency channels in the band are vacant.  (b)&(c) See note "B"
		<b>66 - 67.5</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 57% of the frequency channels in the band are vacant.
		<b>67.5 - 70</b> (a) Mobile Radio Systems Two-frequency simplex (base receive) paired with 72.3 - 74.8 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 51% of the frequency channels in the band are vacant.
<b>68 - 70</b> FIXED MOBILE			

MHz  
70 - 76.7

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>70 - 74.8</b> FIXED MOBILE	<b>70 - 71.5</b> FIXED LAND MOBILE	<b>70 - 72.3</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Open Channel Frequencies (MHz), limited to Mobiles/Portables only 70.0500      70.0625      70.0750      70.0875 70.1000      70.1125      70.1250 12.5 kHz channel spacing 25 W erp maximum (c) Telecommunications Apparatus [1] 72 - 72.02 MHz, 72.12 - 72.14 MHz, 72.16 - 72.22 MHz, 72.26 - 72.28 MHz	(a) 33% of the frequency channels in the band are vacant.  (b) See note "B"  (c) See note "J"
	<b>71.5 - 74.8</b> LAND MOBILE	<b>72.3 - 74.8</b> (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 67.5 - 70 MHz 12.5 kHz channel spacing 25 W erp maximum (b) Demonstration Frequency 72.4 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 51% of the frequency channels in the band are vacant.  (b) See note "B"
	<b>74.8 - 75.2</b> AERONAUTICAL RADIONAVIGATION	<b>74.8 - 75.2</b> AERONAUTICAL RADIONAVIGATION	<b>74.8 - 75.2</b> (a) Aeronautical radionavigation
<b>75.2 - 76.7</b> FIXED MOBILE	<b>75.2 - 76.7</b> FIXED LAND MOBILE	<b>75.2 - 76.7</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 15% of the frequency channels in the band are vacant.

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
76.7 - 87

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>76.7 - 87</b> FIXED MOBILE	<b>76.7 - 84</b> LAND MOBILE	<b>76.7 - 78.7</b> (a) Mobile Radio Systems Two-frequency simplex (base receive) paired with 81.2 - 83.2 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 73% of the frequency channels in the band are vacant.
		<b>78.7 - 79.5</b> (a) Hill Top Repeater Two-frequency simplex (hilltop transmit) paired with 83.2 - 84 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 67% of the frequency channels in the band are vacant.
		<b>79.5 - 80.55</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 89% of the frequency channels in the band are vacant.
		<b>80.55 - 81.2</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 69% of the frequency channels in the band are vacant.
		<b>81.2 - 83.2</b> (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 76.7 - 78.7 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 73% of the frequency channels in the band are vacant.
		<b>83.2 - 84</b> (a) Hill Top Repeater Two-frequency simplex (hilltop receive) paired with 78.7 - 79.5 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 67% of the frequency channels in the band are vacant.
	<b>84 - 87</b> FIXED LAND MOBILE	<b>84 - 87</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 99% of the frequency channels in the band are vacant.

MHz  
87 - 108

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<p>87 - 100 FIXED MOBILE BROADCASTING</p>	<p>87 - 108 BROADCASTING</p>	<p>87 - 108 (a) FM Sound Broadcasting</p>	<p>(a) See note "D"</p>
<p>100 - 108 BROADCASTING</p>			

MHz  
108 - 137

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>108 - 117.975</b> AERONAUTICAL RADIONAVIGATION [1]	<b>108 - 117.975</b> AERONAUTICAL RADIONAVIGATION	<b>108 - 117.975</b> (a) Aeronautical radionavigation	(a) See note "C"
* <b>117.975 - 137</b> AERONAUTICAL MOBILE (R) AERONAUTICAL MOBILE-SATELLITE (R) [2][3]	<b>117.975 - 137</b> AERONAUTICAL MOBILE AERONAUTICAL MOBILE-SATELLITE (R)	<b>117.975 - 137</b> (a) Aeronautical mobile  (b) Search and Rescue (121.5 MHz)	(a) 92% of the frequency channels in the band are vacant. (b) See note "B"

[1] The frequency band 108 - 117.975 MHz is also allocated on a primary basis to the aeronautical mobile (R) service, limited to systems operating in accordance with recognized international aeronautical standards. Such use shall be in accordance with Resolution 413 (Rev.WRC-23) of the Radio Regulations.

[2] The use of the frequency band 117.975 - 137 MHz by the aeronautical mobile-satellite (R) service is subject to coordination. Such use shall be limited to non-geostationary-satellite systems operated in accordance with international aeronautical standards.

[3] The use of the frequency band 117.975 - 137 MHz by the aeronautical mobile (R) service shall have priority over use by the aeronautical mobile-satellite (R) service.

MHz  
137 - 138

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<p><b>137 - 137.025</b> SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R)</p>	<p><b>137 - 137.025</b> METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth)</p>	<p><b>137 - 138</b> (a) Meteorological-satellite (b) Mobile-satellite</p>	<p>(a)&amp;(b) See note "B"</p>
<p><b>137.025 - 137.175</b> SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile-satellite (space-to-Earth) Mobile except aeronautical mobile (R)</p>	<p><b>137.025 - 137.175</b> METEOROLOGICAL-SATELLITE (space-to-Earth) Mobile-satellite (space-to-Earth)</p>		
<p><b>137.175 - 137.825</b> SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R)</p>	<p><b>137.175 - 137.825</b> METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth)</p>		
<p><b>137.825 - 138</b> SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile-satellite (space-to-Earth) Mobile except aeronautical mobile (R)</p>	<p><b>137.825 - 138</b> METEOROLOGICAL-SATELLITE (space-to-Earth) Mobile-satellite (space-to-Earth)</p>		

MHz  
138 - 143

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS													
<b>138 - 143</b> FIXED MOBILE Space research (space-to-Earth)	<b>138 - 143</b> LAND MOBILE	<b>138 - 142</b> (a) Mobile Radio Systems Two-frequency simplex (base receive) paired with 150.75 - 154.75 MHz 12.5 kHz channel spacing 25 W erp maximum (b) Mobile Radio Systems On-site repeater systems paired with 150.75 - 154.75 MHz 12.5 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) <table style="margin-left: 40px; border: none;"> <tr> <td>151.4000 / 138.6500</td> <td>152.3625 / 139.6125</td> <td>152.3875 / 139.6375</td> </tr> <tr> <td>153.0125 / 140.2625</td> <td>153.3625 / 140.6125</td> <td>153.3750 / 140.6250</td> </tr> <tr> <td>153.4125 / 140.6625</td> <td>153.4750 / 140.7250</td> <td>153.5500 / 140.8000</td> </tr> <tr> <td>153.6250 / 140.8750</td> <td>153.8125 / 141.0625</td> <td>153.9000 / 141.1500</td> </tr> </table>	151.4000 / 138.6500	152.3625 / 139.6125	152.3875 / 139.6375	153.0125 / 140.2625	153.3625 / 140.6125	153.3750 / 140.6250	153.4125 / 140.6625	153.4750 / 140.7250	153.5500 / 140.8000	153.6250 / 140.8750	153.8125 / 141.0625	153.9000 / 141.1500	(a) 43% of the frequency channels in the band are vacant.  (b) See note "B"	
		151.4000 / 138.6500	152.3625 / 139.6125	152.3875 / 139.6375												
		153.0125 / 140.2625	153.3625 / 140.6125	153.3750 / 140.6250												
153.4125 / 140.6625	153.4750 / 140.7250	153.5500 / 140.8000														
153.6250 / 140.8750	153.8125 / 141.0625	153.9000 / 141.1500														
<b>142 - 142.8</b> (a) Government	(a) See note "C"															
<b>142.8 - 143</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 1 W erp maximum (b) Common Channel Frequencies for Portable Systems (MHz) <table style="margin-left: 40px; border: none;"> <tr> <td>142.8250</td> <td>142.8375</td> <td>142.8500</td> <td>142.8625</td> <td>142.8750</td> </tr> <tr> <td>142.8875</td> <td>142.9000</td> <td>142.9125</td> <td>142.9250</td> <td>142.9500</td> </tr> <tr> <td>142.9625</td> <td>142.9750</td> <td>142.9875</td> <td></td> <td></td> </tr> </table> 12.5 kHz channel spacing 1 W erp maximum	142.8250	142.8375	142.8500	142.8625	142.8750	142.8875	142.9000	142.9125	142.9250	142.9500	142.9625	142.9750	142.9875			(a)&(b) See note "B"
142.8250	142.8375	142.8500	142.8625	142.8750												
142.8875	142.9000	142.9125	142.9250	142.9500												
142.9625	142.9750	142.9875														

MHz  
**143 - 144**

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>143 - 143.6</b> FIXED MOBILE Space research (space-to-Earth)	<b>143 - 143.6</b> LAND MOBILE	<b>143 - 143.6</b> (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 148 - 148.6 MHz 12.5 kHz channel spacing 25 W erp maximum (b) Mobile Radio Systems On-site repeater systems paired with 148 - 148.6 MHz 12.5 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) 143.0625 / 148.0625           143.1000 / 148.1000	(a) 64% of the frequency channels in the band are vacant.  (b) See note "B"
<b>143.6 - 143.65</b> FIXED MOBILE SPACE RESEARCH (space-to-Earth)	<b>143.6 - 144</b> LAND MOBILE Space research (space-to-Earth)	<b>143.6 - 143.65</b> (a) Space research (space-to-Earth)	(a) See note "B"
<b>143.65 - 144</b> FIXED MOBILE Space research (space-to-Earth)		<b>143.65 - 144</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 1 W erp maximum (b) Common Channel Frequencies for Portable Systems (MHz) 143.8375      143.8750      143.9125      143.9250      143.9375 143.9625      143.9875 12.5 kHz channel spacing 1 W erp maximum	(a) 21% of the frequency channels in the band are vacant.  (b) See note "B"

MHz  
**144 - 148.6**

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>144 - 146</b> AMATEUR AMATEUR-SATELLITE	<b>144 - 146</b> AMATEUR AMATEUR-SATELLITE	<b>144 - 146</b> (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
<b>146 - 148</b> AMATEUR FIXED MOBILE	<b>146 - 148</b> LAND MOBILE	<b>146 - 148</b> (a) Government	(a) See note "C"
<b>148 - 148.6</b> FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) [1][2]	<b>148 - 148.6</b> LAND MOBILE MOBILE-SATELLITE (Earth-to-space)	<b>148 - 148.6</b> (a) Mobile Radio Systems Two-frequency simplex (base receive) paired with 143 - 143.6 MHz 12.5 kHz channel spacing 25 W erp maximum (b) Mobile Radio Systems On-site repeater systems paired with 143 - 143.6 MHz 12.5 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) 143.0625 / 148.0625          143.1000 / 148.1000 (c) Mobile-satellite	(a) 64% of the frequency channels in the band are vacant.  (b)&(c) See note "B"

[1] The frequency band 148 - 149.9 MHz is also allocated to the space operation (Earth-to-space) service on a primary basis.

[2] Stations of the mobile-satellite service in the frequency band 148 - 149.9 MHz shall not cause harmful interference to, or claim protection from, stations of the fixed or mobile services. No. 5.221 of the Radio Regulations refers.

MHz  
148.6 - 150.05

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>148.6 - 149.9</b> FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) [1][2]	<b>148.6 - 149.9</b> LAND MOBILE MOBILE-SATELLITE (Earth-to-space)	<b>148.6 - 148.65</b> (a) Common Channel Frequencies for Portable Systems (MHz) 148.6125 Digital modulation 12.5 kHz channel spacing 1 W erp maximum (b) Mobile-satellite	(a)&(b) See note "B"
		<b>148.65 - 149.9</b> (a) Mobile Radio Systems Two-frequency simplex (base receive) paired with 154.75 - 156 MHz 12.5 kHz channel spacing 25 W erp maximum (b) Open Channel Frequencies (MHz), limited to Mobiles/Portables only 149.3375    149.3500    149.3625    149.3750    149.3875 149.4000    149.4125    149.4250    149.4375    149.4500 149.4625    149.4750    149.4875    149.5375    149.5500 12.5 kHz channel spacing 25 W erp maximum (c) Common Channel Frequencies for Portable Systems (MHz) 149.0250    149.0375    149.0500    149.2750    149.3000 149.3125    149.3250    149.5000    149.5250    149.7625 149.7750    149.7875 12.5 kHz channel spacing 1 W erp maximum (d) Mobile-satellite	(a) 50% of the frequency channels in the band are vacant.  (b),(c)&(d) See note "B"
<b>149.9 - 150.05</b> MOBILE-SATELLITE (Earth-to-space)	<b>149.9 - 150.05</b> MOBILE-SATELLITE (Earth-to-space)	<b>149.9 - 150.05</b> (a) Mobile-satellite	(a) See note "B"

[1] The frequency band 148 - 149.9 MHz is also allocated to the space operation (Earth-to-space) service on a primary basis.

[2] Stations of the mobile-satellite service in the frequency band 148 - 149.9 MHz shall not cause harmful interference to, or claim protection from, stations of the fixed or mobile services. No. 5.221 of the Radio Regulations refers.

MHz  
150.05 - 157.1875

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>150.05 - 156.4875</b> FIXED MOBILE	<b>150.05 - 156</b> LAND MOBILE	<b>150.05 - 150.75</b> (a) Government	(a) See note "C"
		<b>150.75 - 154.75</b> (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 138 - 142 MHz 12.5 kHz channel spacing, 25 W erp maximum (b) Mobile Radio Systems On-site repeater systems paired with 138 - 142 MHz 12.5 kHz channel spacing , 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) 151.4000 / 138.6500           152.3625 / 139.6125           152.3875 / 139.6375 153.0125 / 140.2625           153.3625 / 140.6125           153.3750 / 140.6250 153.4125 / 140.6625           153.4750 / 140.7250           153.5500 / 140.8000 153.6250 / 140.8750           153.8125 / 141.0625           153.9000 / 141.1500	(a) 43% of the frequency channels in the band are vacant. (b) See note "B"
		<b>154.75 - 156</b> (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 148.65 - 149.9 MHz 12.5 kHz channel spacing, 25 W erp maximum (b) Demonstration frequency (155.9 MHz) 12.5 kHz channel spacing, 25 W erp maximum	(a) 50% of the frequency channels in the band are vacant. (b) See note "B"
<b>156.4875 - 156.5625</b> MARITIME MOBILE (distress and calling via DSC)	<b>156 - 157.1875</b> MARITIME MOBILE	<b>156 - 157.1875</b> (a) Hague Plan 25 kHz channel spacing 25 W erp maximum	(a) See note "B"
<b>156.5625 - 156.7625</b> FIXED MOBILE			
<b>156.7625 - 156.7875</b> MARITIME MOBILE Mobile-satellite (Earth-to-space)			
<b>156.7875 - 156.8125</b> MARITIME MOBILE (distress and calling)			
<b>156.8125 - 156.8375</b> MARITIME MOBILE Mobile-satellite (Earth-to-space)			
<b>156.8375 - 157.1875</b> FIXED MOBILE			

MHz  
**157.1875 - 161.475**

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>157.1875 - 157.3375</b> FIXED MOBILE Maritime mobile-satellite [1]	<b>157.1875 - 157.3375</b> MARITIME MOBILE Maritime mobile-satellite	<b>157.1875 - 157.3375</b> (a) Hague Plan 25 kHz channel spacing 25 W erp maximum	(a) See note "B"
<b>157.3375 - 161.475</b> FIXED MOBILE	<b>157.3375 - 158</b> MARITIME MOBILE	<b>157.3375- 157.45</b> (a) Hague Plan 25 kHz channel spacing 25 W erp maximum	(a) See note "B"
		<b>157.45 - 158</b> (a) Maritime mobile (private channels) 25 kHz channel spacing 25 W erp maximum	(a) 45% of the frequency channels in the band are vacant.
	<b>158 - 160.6</b> LAND MOBILE MARITIME MOBILE	<b>158 - 158.825</b> (a) Mobile Radio Systems (marine fleet) Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Maritime mobile (private channels) 25 kHz channel spacing 25 W erp maximum	(a)&(b) 64% of the frequency channels in the band are vacant.
		<b>158.825 - 159.3875</b>	See note "K"
		<b>159.3875 - 160.6</b> (a) Mobile Radio Systems (marine fleet) Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 58% of the frequency channels in the band are vacant.
	<b>160.6 - 161.475</b> MARITIME MOBILE	<b>160.6 - 160.975</b> (a) Hague Plan 25 kHz channel spacing 25 W erp maximum	(a) See note "B"
<b>160.975 - 161.475</b>		See note "K"	

[1] The use of the frequency band 157.1875 - 157.3375 MHz by the maritime mobile-satellite service is limited to non-geostationary-satellite systems operating in accordance with Appendix 18 of the Radio Regulations.

MHz  
**161.475 - 163**

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>161.475 - 161.7875</b> FIXED MOBILE	<b>161.475 - 161.7875</b> MARITIME MOBILE	<b>161.475 - 162.05</b> (a) Hague Plan 25 kHz channel spacing 25 W erp maximum (b) Maritime mobile-satellite 161.9375 - 161.9625 MHz 161.9875 - 162.0125 MHz	(a)&(b) See note "B"
<b>161.7875 - 161.9375</b> FIXED MOBILE Maritime mobile-satellite [1]	<b>161.7875 - 161.9375</b> MARITIME MOBILE Maritime mobile-satellite		
<b>161.9375 - 161.9625</b> FIXED MOBILE Maritime mobile-satellite (Earth-to-space) [2]	<b>161.9375 - 161.9625</b> MARITIME MOBILE Maritime mobile-satellite (Earth-to-space)		
<b>161.9625 - 161.9875</b> MARITIME MOBILE Aeronautical mobile (OR) Mobile-satellite (Earth-to-space)	<b>161.9625 - 161.9875</b> MARITIME MOBILE		
<b>161.9875 - 162.0125</b> FIXED MOBILE Maritime mobile-satellite (Earth-to-space) [2]	<b>161.9875 - 162.0125</b> MARITIME MOBILE Maritime mobile-satellite (Earth-to-space)		
<b>162.0125 - 162.0375</b> MARITIME MOBILE Aeronautical mobile (OR) Mobile-satellite (Earth-to-space)	<b>162.0125 - 163</b> MARITIME MOBILE		
<b>162.0375 - 163</b> FIXED MOBILE		<b>162.05 - 163</b> (a) Mobile Radio Systems (marine fleet) Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 92% of the frequency channels in the band are vacant.

[1] The use of the frequency band 161.7875 - 161.9375 MHz by the maritime mobile-satellite service is limited to non-geostationary-satellite systems operating in accordance with Appendix 18 of the Radio Regulations.

[2] Use of the frequency bands 161.9375 - 161.9625 MHz and 161.9875 - 162.0125 MHz by the maritime mobile-satellite (Earth-to-space) service is limited to systems which operate in accordance with Appendix 18 of the Radio Regulations.

MHz  
163 - 174

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>163 - 174</b> FIXED MOBILE	<b>163 - 174</b> LAND MOBILE	<b>163 - 165</b> (a) Government	(a) See note "C"
		<b>165 - 167.5</b> (a) Mobile Radio Systems Two-frequency simplex (base receive) paired with 169.5 - 172 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 76% of the frequency channels in the band are vacant.
		<b>167.5 - 168.5</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 50% of the frequency channels in the band are vacant.
		<b>168.5 - 169.5</b> (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 64% of the frequency channels in the band are vacant.
		<b>169.5 - 172</b> (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 165 - 167.5 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 76% of the frequency channels in the band are vacant.
		<b>172 - 173</b> (a) Public Paging 25 kHz channel spacing 25 W erp maximum	(a) 67% of the frequency channels in the band are vacant.
		<b>173 - 174</b> (a) Government (b) Telecommunications Apparatus [1] 173.96 - 174.24 MHz	(a) See note "C" (b) See note "J"

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
174 - 184

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>174 - 184</b> FIXED MOBILE BROADCASTING	<b>174 - 184</b> FIXED LAND MOBILE	<b>174 - 175</b> (a) Wireless Microphones 75 kHz channel spacing 20 mW erp maximum (b) Telecommunications Apparatus [1] 173.96 - 174.24 MHz	(a) See note "B"  (b) See note "J"
		<b>175 - 175.5</b> (a) Common Channel Frequencies for Portable Systems (MHz) 175.3750 175.3875 175.4000 175.4125 175.4250 175.4375 175.4500 175.4625 175.4750 175.4875 12.5 kHz channel spacing 1 W erp maximum	(a) See note "B"
		<b>175.5 - 176.5</b> (a) Fixed Paired with 180.5 - 181.5 MHz 25 kHz channel spacing	(a) See note "G"
		<b>176.5 - 182.5</b> (a) Community Repeater Two-frequency simplex (repeater transmit) paired with 191.5 - 197.5 MHz 12.5 kHz channel spacing 25 W erp maximum (b) Fixed 180.5 - 181.5 MHz paired with 175.5 - 176.5 MHz 25 kHz channel spacing (c) Demonstration Frequency 179.7875 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 84% of the frequency channels in the band are vacant.  (b) See note "G"  (c) See note "B"
		<b>182.5 - 184</b>	See note "K"

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
184 - 235

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>184 - 223</b> FIXED MOBILE BROADCASTING	<b>184 - 197.5</b> FIXED LAND MOBILE	<b>184 - 191.5</b> (a) Low Power Telemetry Systems (b) Studio Wireless Intercommunication Service 184 - 185.4 MHz (c) Telecommunications Apparatus 187.5 - 188 MHz [1]	(a)&(b) See note "B"  (c) See note "J"
		<b>191.5 - 197.5</b> (a) Community Repeater Two-frequency simplex (repeater receive) paired with 176.5 - 182.5 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 84% of the frequency channels in the band are vacant.
	<b>197.5 - 215</b> TO BE PLANNED	<b>197.5 - 215</b>	See note "I"
	<b>215 - 216</b> FIXED MOBILE	<b>215 - 216</b> (a) Studio and Outside Broadcast (OB) Links	(a) 77% of the frequency channels in the band are vacant.
	<b>216 - 223</b> BROADCASTING FIXED MOBILE	<b>216 - 223</b>	See note "K"
<b>223 - 230</b> FIXED MOBILE BROADCASTING AERONAUTICAL RADIONAVIGATION Radiolocation	<b>223 - 235</b> FIXED MOBILE	<b>223 - 235</b> (a) Mobile Radio Systems Two-frequency simplex 226.5 - 227.4875 MHz paired with 233.5 - 234.4875 MHz 12.5 kHz channel spacing 25 W erp maximum  Single-frequency simplex 228 - 229.7375 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 68% of the frequency channels in the band are vacant.
<b>230 - 235</b> FIXED MOBILE AERONAUTICAL RADIONAVIGATION			

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
235 - 335.4

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
235 - 267 FIXED MOBILE	235 - 322 FIXED MOBILE	235 - 239	See note "K"
267 - 272 FIXED MOBILE Space operation (space-to-Earth) [1]		239 - 279 (a) Government (b) Search and Rescue (243 MHz) (c) Telecommunications Apparatus [2] 253.85 - 255 MHz paired with 380.2 - 381.325 MHz, 266.75 - 267.25 MHz	(a) See note "C" (b) See note "B" (c) See note "J"
272 - 273 SPACE OPERATION (space-to-Earth) FIXED MOBILE		279 - 281 (a) Public Paging 25 kHz channel spacing 100 W erp maximum	(a) 40% of the frequency channels in the band are vacant.
273 - 312 FIXED MOBILE		281 - 311.3 (a) Government	(a) See note "C"
312 - 315 FIXED MOBILE Mobile-satellite (Earth-to-space)		311.3 - 322 (a) Telecommunications Apparatus [2] 313.75 - 314.25 MHz, 314.75 - 315.25 MHz	(a) See note "J"
315 - 322 FIXED MOBILE			
322 - 328.6 FIXED MOBILE RADIO ASTRONOMY	322 - 328.6 TO BE PLANNED	322 - 328.6	See note "I"
328.6 - 335.4 AERONAUTICAL RADIONAVIGATION	328.6 - 335.4 AERONAUTICAL RADIONAVIGATION	328.6 - 335.4 (a) Aeronautical radionavigation	(a) See note "C"

[1] The frequency band 267 - 272 MHz may be used for space telemetry on a primary basis.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
335.4 - 402

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>335.4 - 387</b> FIXED MOBILE	<b>335.4 - 399.9</b> FIXED MOBILE	<b>335.4 - 399.9</b> (a) Government 335.4 - 361 MHz, 366 - 381.325 MHz, 382.65 - 399.9 MHz (b) Mobile Radio Systems 361 - 366 MHz Single-frequency simplex 25 kHz channel spacing (c) Mobile Radio Systems 381.325 - 382.65 MHz Single-frequency simplex 25 kHz channel spacing (d) Telecommunications Apparatus [1] 380.2 - 381.325 MHz paired with 253.85 - 255 MHz	(a) See note "C"  (b) 95% of the frequency channels in the band are vacant.  (c) 39% of the frequency channels in the band are vacant.  (d) See note "J"
<b>387 - 390</b> FIXED MOBILE Mobile-satellite (space-to-Earth)			
<b>390 - 399.9</b> FIXED MOBILE			
<b>399.9 - 400.05</b> MOBILE-SATELLITE (Earth-to-space)	<b>399.9 - 400.05</b> TO BE PLANNED	<b>399.9 - 400.05</b>	See note "I"
<b>400.05 - 400.15</b> STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz)	<b>400.05 - 400.15</b> STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE	<b>400.05 - 400.15</b> (a) Standard frequency and time signal-satellite	(a) See note "K"
<b>400.15 - 401</b> METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Space operation (space-to-Earth)	<b>400.15 - 401</b> METEOROLOGICAL AIDS	<b>400.15 - 402</b> (a) Meteorological aids (Radiosonde) (b) Medical Implant Communication System 401 - 406 MHz	(a) See note "C"  (b) See note "J"
<b>401 - 402</b> METEOROLOGICAL AIDS SPACE OPERATION (space-to-Earth) EARTH EXPLORATION-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Fixed Mobile except aeronautical mobile			

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
402 - 430

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>402 - 403</b> METEOROLOGICAL AIDS EARTH EXPLORATION-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Fixed Mobile except aeronautical mobile	<b>402 - 403</b> METEOROLOGICAL AIDS EARTH EXPLORATION-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Mobile except aeronautical mobile	<b>402 - 406</b> (a) Meteorological aids (Radiosonde) (b) Medical Implant Communication System 401 - 406 MHz	(a) See note "C"  (b) See note "J"
<b>403 - 406</b> METEOROLOGICAL AIDS Fixed Mobile except aeronautical mobile	<b>403 - 406</b> METEOROLOGICAL AIDS Mobile except aeronautical mobile		
<b>406 - 406.1</b> MOBILE-SATELLITE (Earth-to-space)	<b>406 - 406.1</b> MOBILE-SATELLITE (Earth-to-space)	<b>406 - 406.1</b> (a) Emergency Position Indicating Radio Beacon (EPIRB)	(a) See note "B"
<b>406.1 - 410</b> FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY	<b>406.1 - 430</b> FIXED LAND MOBILE	<b>406.1 - 430</b> (a) Government (b) Telecommunications Apparatus [1] 409.74 - 410 MHz	(a) See note "C" (b) See note "J"
<b>410 - 420</b> FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-space)			
<b>420 - 430</b> FIXED MOBILE except aeronautical mobile Radiolocation			

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
430 - 458.85

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>430 - 432</b> RADIOLOCATION Amateur	<b>430 - 440</b> RADIOLOCATION Amateur	<b>430 - 440</b> (a) Amateur 430 - 431 MHz, 435 - 440 MHz (b) Amateur-satellite 435 - 438 MHz (c) Short Range Device 433 - 434.79 MHz	(a)&(b) See note "B"   (c) See note "J"
<b>432 - 438</b> RADIOLOCATION Amateur Earth exploration-satellite (active) [1]			
<b>438 - 440</b> RADIOLOCATION Amateur			
<b>440 - 450</b> FIXED MOBILE except aeronautical mobile Radiolocation	<b>440 - 458.85</b> LAND MOBILE	<b>440 - 450</b> (a) Mobile Radio Systems Two-frequency simplex 447 - 450 MHz (base transmit) paired with 440 - 443 MHz 12.5 kHz/25 kHz channel spacing Single-frequency simplex 443 - 447 MHz 12.5 kHz/25 kHz channel spacing (b) Mobile Radio Systems On-site repeater systems 440 - 442 MHz paired with 448 - 450 MHz 12.5 kHz/25 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) 440.0250 / 448.1250       440.0500 / 448.1500 440.1250 / 448.2250       440.2500 / 448.3500 440.4750 / 448.6750 448.1500 / 440.0500       448.3500 / 440.2500 448.7750 / 440.6750       449.1250 / 441.1250	(a) 58% of the frequency channels in the band are vacant.  (b) See note "B"
<b>450 - 458.85</b> FIXED MOBILE [2]			

[1] Amateur-satellite service may operate in the frequency band 435 - 438 MHz subject to not causing harmful interference to other services. No. 5.282 of the Radio Regulations refers.

[2] Use of the frequency bands 457.5125 - 457.5875 MHz and 467.5125 - 467.5875 MHz by the maritime mobile service is limited to on-board communication stations. The characteristics of the equipment and the channelling arrangement shall be in accordance with Recommendation ITU-R M.1174-4.

MHz  
458.85 - 460

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<p><b>458.85 - 460</b> FIXED MOBILE</p>	<p><b>458.85 - 460</b> LAND MOBILE</p>	<p><b>458.85 - 459</b> (a) On-site Paging Frequencies (MHz) :- 458.850 458.875 458.900 458.925 458.950 458.975 25 kHz channel spacing 2 W erp maximum</p>	<p>(a) See note "G"</p>
		<p><b>459 - 459.5</b> (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 464 - 464.5 MHz 25 kHz channel spacing (b) Mobile Radio Systems On-site repeater systems paired with 464 - 464.5 MHz 25 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) 459.3250 / 464.3250 459.4000 / 464.4000 459.4250 / 464.4250 459.4750 / 464.4750</p>	<p>(a) 27% of the frequency channels in the band are vacant. (b) See note "B"</p>
		<p><b>459.5 - 460</b> (a) Government</p>	<p>(a) See note "C"</p>

MHz  
460 - 465

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<p><b>460 - 465</b> FIXED MOBILE Meteorological-satellite (space-to-Earth)</p>	<p><b>460 - 465</b> LAND MOBILE</p>	<p><b>460 - 464</b> (a) Mobile Radio Systems Single-frequency simplex 25 kHz channel spacing (b) Common Channel Frequencies for Portable Systems (MHz) 460.850    462.850    462.925 463.100    463.375    463.400 25 kHz channel spacing 1 W erp maximum 460.625 Digital modulation 12.5 kHz channel spacing 1 W erp maximum</p>	<p>(a) 42% of the frequency channels in the band are vacant. (b) See note "B"</p>
		<p><b>464 - 465</b> (a) Mobile Radio Systems Two-frequency simplex 464 - 464.5 MHz (base receive) paired with 459 - 459.5 MHz 25 kHz channel spacing Single-frequency simplex 25 kHz channel spacing (b) Mobile Radio Systems On-site repeater systems 464 - 464.5 MHz paired with 459 - 459.5 MHz 25 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) 459.3250 / 464.3250 459.4000 / 464.4000 459.4250 / 464.4250 459.4750 / 464.4750</p>	<p>(a) 27% of the frequency channels in the band are vacant. (b) See note "B"</p>





MHz  
806 - 837.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>806 - 837.5</b> FIXED MOBILE BROADCASTING [1]	<b>806 - 837.5</b> LAND MOBILE	<b>806 - 818</b> (a) Conventional or Trunked Mobile Radio System & Mobile Data Systems 806 - 818 MHz (repeater receive) paired with 851 - 863 MHz 25 kHz channel spacing 100 W erp maximum	(a) 27% of the frequency channels in the band are vacant.
		<b>818 - 819.1</b> (a) Cross-Border Trunked Radio Systems 818 - 819.1 MHz (repeater receive) paired with 863 - 864.1 MHz 25 kHz channel spacing 100 W erp maximum	(a) 54% of the frequency channels in the band are vacant.
		<b>819.1 - 825</b> (a) Telecommunications Apparatus [2] 819.1 - 823.1 MHz (b) Two-Way Paging 823.7 - 824 MHz (base receive) paired with 868.7 - 869 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) See note "J"  (b) See note "K"
		<b>825 - 832.5</b> (a) Public Mobile Services 825 - 832.5 MHz (base receive) paired with 870 - 877.5 MHz	(a) See note "E"
		<b>832.5 - 837.5</b> (a) Public Mobile Services 832.5 - 837.5 MHz (base receive) paired with 877.5 - 882.5 MHz	(a) See note "E"

[1] The frequency band 806 - 890 MHz is also allocated to the mobile-satellite, except aeronautical mobile-satellite (R), service on a primary basis.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
837.5 - 870

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>837.5 - 870</b> FIXED MOBILE BROADCASTING [1]	<b>837.5 - 870</b> LAND MOBILE	<b>837.5 - 851</b>	See note "K"
		<b>851 - 863</b> (a) Conventional or Trunked Mobile Radio Systems & Mobile Data Systems 851 - 863 MHz (repeater transmit) paired with 806 - 818 MHz 25 kHz channel spacing 100 W erp maximum	(a) 27% of the frequency channels in the band are vacant.
		<b>863 - 864.1</b> (a) Cross-Border Trunked Radio System 863 - 864.1 MHz (repeater transmit) paired with 818 - 819.1 MHz 25 kHz channel spacing 100 W erp maximum	(a) 54% of the frequency channels in the band are vacant.
		<b>864.1 - 868.1</b> (a) Telecommunications Apparatus [2] 864.1 - 868.1 MHz 865 - 868 MHz	(a) See note "J"
		<b>868.1 - 870</b> (a) Two-Way Paging 868.7 - 869 MHz (base transmit) paired with 823.7 - 824 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) See note "K"

[1] The frequency band 806 - 890 MHz is also allocated to the mobile-satellite, except aeronautical mobile-satellite (R), service on a primary basis.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
870 - 925

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>870 - 890</b> FIXED MOBILE BROADCASTING [1]	<b>870 - 925</b> LAND MOBILE	<b>870 - 877.5</b> (a) Public Mobile Services 870 - 877.5 MHz (base transmit) paired with 825 - 832.5 MHz	(a) See note "E"
		<b>877.5 - 885</b> (a) Public Mobile Services 877.5 - 882.5 MHz (base transmit) paired with 832.5 - 837.5 MHz (b) Government 882.5 - 885 MHz	(a) See note "E"  (b) See note "C"
		<b>885 - 915</b> (a) Public Mobile Services 885 - 915 MHz (base receive) paired with 930 - 960 MHz	(a) See note "E"
<b>890 - 925</b> FIXED MOBILE BROADCASTING Radiolocation		<b>915 - 925</b> (a) Mobile 915 - 919.5 MHz (b) Telecommunications Apparatus [2] 919.5 - 920 MHz 920 - 925 MHz	(a) 50% of the frequency channels in the band are vacant. (b) See note "J"

[1] The frequency band 806 - 890 MHz is also allocated to the mobile-satellite, except aeronautical mobile-satellite (R), service on a primary basis.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
925 - 960

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>925 - 942</b> FIXED MOBILE BROADCASTING Radiolocation	<b>925 - 960</b> LAND MOBILE	<b>925 - 930</b> (a) Government 927.5 - 930 MHz	(a) See note "C"
		<b>930 - 960</b> (a) Public Mobile Services 930 - 960 MHz (base transmit) paired with 885 - 915 MHz	(a) See note "E"
<b>942 - 960</b> FIXED MOBILE BROADCASTING [1]			

[1] The frequency band 942 - 960 MHz is also allocated to the mobile-satellite, except aeronautical mobile-satellite (R), service on a primary basis.

MHz  
960 - 1260

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>960 - 1164</b> AERONAUTICAL MOBILE (R) [1] AERONAUTICAL RADIONAVIGATION [2]	<b>960 - 1087.7</b> AERONAUTICAL MOBILE AERONAUTICAL RADIONAVIGATION	<b>960 - 1164</b> (a) Aeronautical radionavigation (b) Aeronautical mobile (c) Aeronautical mobile-satellite 1087.7 - 1092.3 MHz	(a) See note "C" (b)&(c) See note "B"
	<b>1087.7 - 1092.3</b> AERONAUTICAL MOBILE AERONAUTICAL RADIONAVIGATION AERONAUTICAL MOBILE-SATELLITE (Earth-to-space)		
	<b>1092.3 - 1164</b> AERONAUTICAL MOBILE AERONAUTICAL RADIONAVIGATION		
<b>1164 - 1215</b> AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) [3]	<b>1164 - 1215</b> AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space)	<b>1164 - 1215</b> (a) Aeronautical radionavigation	(a) See note "C"
<b>1215 - 1240</b> EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) SPACE RESEARCH (active)	<b>1215 - 1260</b> RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth)	<b>1215 - 1260</b> (a) Radiolocation	(a) See note "B"
<b>1240 - 1260</b> EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) SPACE RESEARCH (active) Amateur [4]			

[1] The use of the frequency band 960 - 1164 MHz by the aeronautical mobile (R) service is limited to systems that operate in accordance with recognised international aeronautical standards. Such use shall be in accordance with Resolution 417 (Rev.WRC-15) of the Radio Regulations.

[2] The frequency band 1087.7 - 1092.3 MHz is also allocated to the aeronautical mobile -satellite (R) (Earth-to-space) service on a primary basis, limited to the space station reception of Automatic Dependent Surveillance-Broadcast (ADS-B) emissions from aircraft transmitters that operate in accordance with recognised international aeronautical standards. Stations operating in the aeronautical mobile-satellite (R) service shall not claim protection from stations operating in the aeronautical radionavigation service. Resolution 425 (Rev.WRC-19) of the Radio Regulations shall apply.

[3] Stations in the radionavigation-satellite service in the frequency band 1164 - 1215 MHz shall operate in accordance with the provisions of Resolution 609 (Rev.WRC-07) of the Radio Regulations and shall not claim protection from stations in the aeronautical radionavigation service in the frequency band 960 - 1215 MHz.

[4] Administrations authorizing operation of the amateur and amateur-satellite services in the frequency band 1240 - 1300 MHz, or portions thereof, shall ensure that the amateur and amateur-satellite services do not cause harmful interference to radionavigation-satellite service (space-to-Earth) receivers in accordance with No. 5.29 of the Radio Regulations (see the most recent version of Recommendation ITU-R M.2164).

MHz  
1260 - 1400

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>1260 - 1300</b> EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) SPACE RESEARCH (active) Amateur [1][2]	<b>1260 - 1300</b> RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth)	<b>1260 - 1300</b> (a) Radiolocation	(a) See note "B"
<b>1300 - 1350</b> AERONAUTICAL RADIONAVIGATION RADIOLOCATION RADIONAVIGATION-SATELLITE (Earth-to-space)	<b>1300 - 1350</b> AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (Earth-to-space)	<b>1300 - 1350</b> (a) Aeronautical radionavigation	(a) See note "C"
<b>1350 - 1400</b> RADIOLOCATION	<b>1350 - 1400</b> RADIOLOCATION	<b>1350 - 1400</b> (a) Radiolocation	(a) See note "B"

[1] Amateur-satellite service may operate in the frequency band 1260 - 1270 MHz subject to not causing harmful interference to other services. The use of the frequency band 1260 - 1270 MHz by the amateur-satellite service is limited to Earth-to-space direction. No. 5.282 of the Radio Regulations refers.

[2] Administrations authorizing operation of the amateur and amateur-satellite services in the frequency band 1240 - 1300 MHz, or portions thereof, shall ensure that the amateur and amateur-satellite services do not cause harmful interference to radionavigation-satellite service (space-to-Earth) receivers in accordance with No. 5.29 of the Radio Regulations (see the most recent version of Recommendation ITU-R M.2164).

MHz  
1400 - 1525

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>1400 - 1427</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>1400 - 1427</b> ALL EMISSIONS PROHIBITED	<b>1400 - 1427</b> (a) All emissions prohibited	(a) See note "A"
<b>1427 - 1429</b> SPACE OPERATION (Earth-to-space) FIXED MOBILE except aeronautical mobile	<b>1427 - 1429</b> TO BE PLANNED	<b>1427 - 1429</b>	See note "I"
<b>1429 - 1452</b> FIXED MOBILE	<b>1429 - 1430</b> FIXED	<b>1429 - 1525</b> (a) Fixed 1429 - 1466 MHz 1480 - 1518 MHz (b) Broadcasting and Mobile 1466 - 1480 MHz (c) Telecommunications Apparatus [3] 1518 - 1559 MHz	(a) 58% of the frequency channels in the band are vacant. (b) See note "K" (c) See note "J"
	<b>1430 - 1444</b> FIXED MOBILE		
	<b>1444 - 1466</b> FIXED		
<b>1452 - 1492</b> FIXED MOBILE BROADCASTING BROADCASTING-SATELLITE	<b>1466 - 1480</b> BROADCASTING MOBILE		
<b>1492 - 1518</b> FIXED MOBILE	<b>1480 - 1518</b> FIXED		
<b>1518 - 1525</b> FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) [2]	<b>1518 - 1525</b> FIXED MOBILE-SATELLITE (space-to-Earth)		

[1] All emissions in the frequency band 1400 - 1427 MHz are prohibited.

[2] The use of the frequency band 1518 - 1525 MHz by the mobile-satellite service is subject to coordination under No. 9.11A of the Radio Regulations. In the frequency band 1518 - 1525 MHz, stations in the mobile-satellite service shall not claim protection from stations in the fixed service.

[3] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
1525 - 1535

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>1525 - 1530</b> SPACE OPERATION (space-to-Earth) FIXED MOBILE-SATELLITE (space-to-Earth) Earth exploration-satellite Mobile	<b>1525 - 1530</b> FIXED MOBILE-SATELLITE (space-to-Earth)	<b>1525 - 1530</b> (a) Fixed  (b) Telecommunications Apparatus [2] 1518 - 1559 MHz	(a) 28% of the frequency channels in the band are vacant. (b) See note "J"
<b>1530 - 1535</b> SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) [1] Earth exploration-satellite Fixed Mobile	<b>1530 - 1535</b> MOBILE-SATELLITE (space-to-Earth)	<b>1530 - 1535</b> (a) Telecommunications Apparatus [2] 1518 - 1559 MHz	(a) See note "J"

[1] Mobile-satellite systems shall not cause unacceptable interference to, or claim protection from, distress, urgency and safety communications of the Global Maritime Distress and Safety System (GMDSS).

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
1535 - 1613.8

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>1535 - 1559</b> MOBILE-SATELLITE (space-to-Earth) [1]	<b>1535 - 1559</b> MOBILE-SATELLITE (space-to-Earth)	<b>1535 - 1559</b> (a) Telecommunications Apparatus [3] 1518 - 1559 MHz	(a) See note "J"
<b>1559 - 1610</b> AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space)	<b>1559 - 1610</b> AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth)	<b>1559 - 1610</b> (a) Radionavigation-satellite	(a) See note "B"
<b>1610 - 1610.6</b> MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION Radiodetermination-satellite (Earth-to-space) [2]	<b>1610 - 1613.8</b> MOBILE-SATELLITE (Earth-to-space)	<b>1610 - 1613.8</b> (a) Telecommunications Apparatus [3] 1610 - 1660.5 MHz	(a) See note "J"
<b>1610.6 - 1613.8</b> MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION Radiodetermination-satellite (Earth-to-space) [2]			

[1] Mobile-satellite systems shall not cause unacceptable interference to, or claim protection from, distress, urgency and safety communications of the Global Maritime Distress and Safety System (GMDSS).

[2] The frequency band 1610 - 1626.5 MHz is also allocated to the aeronautical mobile-satellite (R) service on a primary basis.

[3] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
1613.8 - 1626.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>1613.8 - 1621.35</b> MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION Mobile-satellite (space-to-Earth) Radiodetermination-satellite (Earth-to-space) [1][2]	<b>1613.8 - 1621.35</b> MOBILE-SATELLITE (Earth-to-space) Mobile-satellite (space-to-Earth)	<b>1613.8 - 1626.5</b> (a) Telecommunications Apparatus [3] 1613.8 - 1626.5 MHz 1610 - 1660.5 MHz	(a) See note "J"
<b>1621.35 - 1626.5</b> MARITIME MOBILE-SATELLITE (space-to-Earth) [4] MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION Mobile-satellite (space-to-Earth) except maritime mobile-satellite (space-to-Earth) Radiodetermination-satellite (Earth-to-space) [1]	<b>1621.35 - 1626.5</b> MOBILE-SATELLITE (Earth-to-space) MARITIME MOBILE-SATELLITE (space-to-Earth) Mobile-satellite (space-to-Earth) except maritime mobile-satellite (space-to-Earth)		

[1] The frequency band 1610 - 1626.5 MHz is also allocated to the aeronautical mobile-satellite (R) [3] service on a primary basis.

[2] The maritime mobile-satellite service in the frequency bands 1614.4225 - 1618.725 MHz or 1616.3 - 1620.38 MHz (Earth-to-space) (see resolves 5 of Resolution 365 (WRC-23) of the Radio Regulations) when they are used for the global maritime distress and safety system (GMDSS) is limited to the geostationary satellite networks identified in Resolution 365 (WRC-23) of the Radio Regulations and their associated earth stations located within a service area from 75°E to 135°E longitude and from 10°N to 55°N latitude. Resolution 365 (WRC-23) of the Radio Regulations applies.

Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

[4] Maritime mobile earth stations receiving in the frequency band 1621.35 - 1626.5 MHz shall not impose constraints on the assignments of earth stations of the mobile-satellite service (Earth-to-space) and the radiodetermination-satellite service (Earth-to-space) in the frequency band 1621.35 - 1626.5 MHz in networks for which complete coordination information has been received by ITU before 28 October 2019.

MHz  
1626.5 - 1668

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>1626.5 - 1660</b> MOBILE-SATELLITE (Earth-to-space) [1]	<b>1626.5 - 1660.5</b> MOBILE-SATELLITE (Earth-to-space)	<b>1626.5 - 1660.5</b> (a) Telecommunications Apparatus [2] 1610 - 1660.5 MHz	(a) See note "J"
<b>1660 - 1660.5</b> MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY			
<b>1660.5 - 1668</b> RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile	<b>1660.5 - 1668</b> RADIO ASTRONOMY	<b>1660.5 - 1668</b> (a) Radio astronomy	(a) See note "B"

[1] The use of the frequency band 1645.5 - 1646.5 MHz by the mobile-satellite service (Earth-to-space) and for inter-satellite links is limited to distress, urgency and safety communications.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
1668 - 1700

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>1668 - 1668.4</b> MOBILE-SATELLITE (Earth-to-space) [1] RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile	<b>1668 - 1668.4</b> RADIO ASTRONOMY MOBILE-SATELLITE (Earth-to-space)	<b>1668 - 1668.4</b> (a) Radio astronomy (b) Telecommunications Apparatus [2] 1668 - 1675 MHz	(a) See note "B" (b) See note "J"
<b>1668.4 - 1670</b> METEOROLOGICAL AIDS FIXED MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space) [1] RADIO ASTRONOMY	<b>1668.4 - 1670</b> MOBILE-SATELLITE (Earth-to-space)	<b>1668.4 - 1675</b> (a) Telecommunications Apparatus [2] 1668 - 1675 MHz	(a) See note "J"
<b>1670 - 1675</b> METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (Earth-to-space) [1]	<b>1670 - 1675</b> MOBILE-SATELLITE (Earth-to-space)		
<b>1675 - 1690</b> METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile	<b>1675 - 1700</b> METEOROLOGICAL-SATELLITE (space-to-Earth)	<b>1675 - 1700</b> (a) Meteorological-satellite	(a) See note "B"
<b>1690 - 1700</b> METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth)			

[1] The use of the frequency band 1668 - 1675 MHz by the mobile-satellite service is subject to coordination under No. 9.11A of the Rado Regulations.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
1700 - 2110

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>1700 - 1710</b> FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile	<b>1700 - 1710</b> METEOROLOGICAL-SATELLITE (space-to-Earth)	<b>1700 - 1710</b> (a) Meteorological-satellite	(a) See note "B"
<b>1710 - 1885</b> FIXED MOBILE [1]	<b>1710 - 1980</b> FIXED MOBILE	<b>1710 - 2110</b> (a) Public Mobile Services 1710 - 1785 MHz (base receive) paired with 1805 - 1880 MHz (b) Government 1785 - 1805 MHz (c) Telecommunications Apparatus [3] 1880 - 1900 MHz, 1980 - 2010 MHz (d) Government 1900 - 1915 MHz (e) Public Mobile Services 1920.3 - 1979.7 MHz (base receive) paired with 2110.3 - 2169.7 MHz (f) Electronic News Gathering (ENG)/Outside Broadcast (OB) Links 2055 - 2095 MHz	(a) See note "E"
<b>1885 - 1980</b> FIXED MOBILE [2]			(b) See note "C"
<b>1980 - 2010</b> FIXED MOBILE [2] MOBILE-SATELLITE (Earth-to-space)	<b>1980 - 2010</b> FIXED MOBILE MOBILE-SATELLITE (Earth-to-space)		(c) See note "J"
			(d) See note "E"
<b>2010 - 2025</b> FIXED MOBILE [2]	<b>2010 - 2110</b> FIXED MOBILE		(e) See note "E"
<b>2025 - 2110</b> SPACE OPERATION (Earth-to-space) (space-to-space) EARTH EXPLORATION-SATELLITE (Earth-to-space) (space-to-space) FIXED MOBILE SPACE RESEARCH (Earth-to-space) (space-to-space)			(f) See note "F" 25% of the frequency channels are vacant.

[1] ITU identified the frequency band 1710 - 1885 MHz, or portion of the band, for use by administrations wishing to implement International Mobile Telecommunications (IMT).

[2] The frequency band 1885 - 2025 MHz is intended for use, on a worldwide basis, by administrations wishing to implement International Mobile Telecommunications (IMT).

[3] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
2110 - 2300

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>2110 - 2120</b> FIXED MOBILE [1] SPACE RESEARCH (deep space) (Earth-to-space)	<b>2110 - 2170</b> FIXED MOBILE	<b>2110 - 2170</b> (a) Public Mobile Services 2110.3 - 2169.7 MHz (base transmit) paired with 1920.3 - 1979.7 MHz	(a) See note "E"
<b>2120 - 2160</b> FIXED MOBILE [1]			
<b>2160 - 2170</b> FIXED MOBILE [1]			
<b>2170 - 2200</b> FIXED MOBILE [1] MOBILE-SATELLITE (space-to-Earth)	<b>2170 - 2200</b> FIXED MOBILE MOBILE-SATELLITE (space-to-Earth)	<b>2170 - 2200</b> (a) Telecommunications Apparatus [2]	(a) See note "J"
<b>2200 - 2290</b> SPACE OPERATION (space-to-Earth) (space-to-space) EARTH EXPLORATION-SATELLITE (space-to-Earth) (space-to-space) FIXED MOBILE SPACE RESEARCH (space-to-Earth) (space-to-space)	<b>2200 - 2290</b> FIXED MOBILE	<b>2200 - 2290</b> (a) Electronic News Gathering (ENG)/Outside Broadcast (OB) Links	(a) 33% of the frequency channels in the band are vacant.
<b>2290 - 2300</b> FIXED MOBILE except aeronautical mobile SPACE RESEARCH (deep space) (space-to-Earth)	<b>2290 - 2300</b> FIXED	<b>2290 - 2300</b>	See note "K"

[1] The frequency band 2110 - 2200 MHz is intended for use, on a worldwide basis, by administrations wishing to implement International Mobile Telecommunications (IMT).

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
2300 - 2500

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>2300 - 2450</b> FIXED MOBILE [1] RADIOLOCATION Amateur [2][3]	<b>2300 - 2400</b> FIXED MOBILE	<b>2300 - 2400</b> (a) Public Mobile Services 2300 - 2390 MHz	(a) See note "E"
	<b>2400 - 2483.5</b> INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)	<b>2400 - 2483.5</b> (a) Industrial, Scientific and Medical (ISM) Equipment (b) Telecommunications Apparatus [4] (c) Amateur-satellite 2400 - 2450 MHz	(a) See note "B" (b) See note "J" (c) See note "B"
<b>2450 - 2483.5</b> FIXED MOBILE RADIOLOCATION [2]			
<b>2483.5 - 2500</b> FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) RADIOLOCATION RADIODETERMINATION-SATELLITE (space-to-Earth) [2][5]	<b>2483.5 - 2500</b> MOBILE-SATELLITE (space-to-Earth)	<b>2483.5 - 2500</b> (a) Mobile-satellite (b) Telecommunications Apparatus [4]	(a) See note "B" (b) See note "J"

- [1] ITU identified the frequency bands 2300 - 2400 MHz and 2500 - 2690 MHz, or portion of the bands, for use by administrations wishing to implement International Mobile Telecommunications (IMT).
- [2] The frequency band 2400 - 2500 MHz (centre frequency 2450 MHz) is also designated for industrial, scientific and medical (ISM) applications.
- [3] Amateur-satellite service may operate in the frequency band 2400 - 2450 MHz subject to not causing harmful interference to other services. No. 5.282 of the Radio Regulations refers.

- [4] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.
- [5] The maritime mobile-satellite service in the frequency band 2483.59 - 2499.91 MHz (space-to-Earth) when it is used for the global maritime distress and safety system (GMDSS) is limited to the geostationary satellite networks identified in Resolution 365 (WRC-23) of the Radio Regulations and its associated earth stations located within a service area from 75°E to 135°E longitude and from 10°N to 55°N latitude. Resolution 365 (WRC-23) of the Radio Regulations applies.

MHz  
2500 - 2655

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>2500 - 2520</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile [1] MOBILE-SATELLITE (space-to-Earth)	<b>2500 - 2655</b> FIXED MOBILE	<b>2500 - 2655</b> (a) Public Mobile Services 2500 - 2570 MHz (base receive) paired with 2620 - 2690 MHz (b) Government 2575 - 2615 MHz	(a) See note "E" (b) See note "C"
<b>2520 - 2535</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile [1] BROADCASTING-SATELLITE			
<b>2535 - 2655</b> FIXED MOBILE except aeronautical mobile [1] BROADCASTING-SATELLITE			

[1] ITU identified the frequency bands 2300 - 2400 MHz and 2500 - 2690 MHz, or portion of the bands, for use by administrations wishing to implement International Mobile Telecommunications (IMT).

MHz  
2655 - 3300

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>2655 - 2670</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE except aeronautical mobile [1] BROADCASTING-SATELLITE Earth exploration-satellite (passive) Radio astronomy Space research (passive)	<b>2655 - 2690</b> FIXED MOBILE	<b>2655 - 2690</b> (a) Public Mobile Services 2620 - 2690 MHz (base transmit) paired with 2500 - 2570 MHz	(a) See note "E"
<b>2670 - 2690</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE except aeronautical mobile [1] MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (passive) Radio astronomy Space research (passive)			
<b>2690 - 2700</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [2]	<b>2690 - 2700</b> ALL EMISSIONS PROHIBITED	<b>2690 - 2700</b> (a) All emissions prohibited	(a) See note "A"
<b>2700 - 2900</b> AERONAUTICAL RADIONAVIGATION Radiolocation	<b>2700 - 2900</b> AERONAUTICAL RADIONAVIGATION METEOROLOGICAL AIDS	<b>2700 - 2900</b> (a) Meteorological aids	(a) See note "C"
<b>2900 - 3100</b> RADIONAVIGATION RADIOLOCATION [3]	<b>2900 - 3300</b> RADIOLOCATION	<b>2900 - 3300</b> (a) Radiolocation	(a) See note "B"
<b>3100 - 3300</b> RADIOLOCATION Earth exploration-satellite (active) Space research (active)			

[1] ITU identified the frequency band 2500 - 2690 MHz, or portion of the band, for use by administrations wishing to implement International Mobile Telecommunications (IMT).

[3] In the frequency band 2900 - 3100 MHz, stations in the radiolocation service shall not cause harmful interference to, nor claim protection from, radar systems in the radionavigation service.

[2] All emissions in the frequency band 2690 - 2700 MHz are prohibited.

MHz  
3300 - 4200

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>3300 - 3400</b> RADIOLOCATION Amateur [1]	<b>3300 - 3400</b> RADIOLOCATION MOBILE	<b>3300 - 3400</b> (a) Radiolocation (b) Public Mobile Services [4]	(a) See note "B" (b) See note "E"
<b>3400 - 3500</b> FIXED FIXED-SATELLITE (space-to-Earth) Amateur Mobile Radiolocation [2]	<b>3400 - 3700</b> MOBILE [3]	<b>3400 - 3700</b> (a) Public Mobile Services [5] 3400 - 3600 MHz	(a) See note "E"
<b>3500 - 3700</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile Radiolocation			
<b>3700 - 4200</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile	<b>3700 - 4200</b> FIXED FIXED-SATELLITE (space-to-Earth)	<b>3700 - 4200</b> (a) Fixed-satellite	(a) See note "B"

[1] In Chinese Mainland, the frequency band 3300 - 3400 MHz is also allocated to the fixed and mobile services on a primary basis.

[2] Amateur-satellite service may operate in the frequency band 3400 - 3410 MHz subject to not causing harmful interference to other services. No. 5.282 of the Radio Regulations refers.

[3] In Hong Kong, the frequency band 3400 - 3700 MHz is also allocated to the fixed-satellite (space-to-Earth) service on a primary basis restricted for use by earth stations situated at specific locations, licensed by the Communications Authority, for telemetry, tracking and control, and the associated monitoring functions on or before 28 March 2018.

[4] The frequency band 3300 - 3400 MHz for public mobile services is restricted to indoor use only.

[5] Mobile service operating in the frequency band 3400 - 3600 MHz shall not cause harmful interference to earth stations in the fixed-satellite (space-to-Earth) service in the band 3400 - 3700 MHz situated at specific locations, licensed by the Communications Authority, for telemetry, tracking and control functions on or before 28 March 2018.

MHz  
4200 - 4800

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>4200 - 4400</b> AERONAUTICAL MOBILE (R) [1] AERONAUTICAL RADIONAVIGATION	<b>4200 - 4400</b> AERONAUTICAL MOBILE AERONAUTICAL RADIONAVIGATION	<b>4200 - 4400</b> (a) Aeronautical mobile (b) Aeronautical radionavigation (c) Short Range Device (Ultra-Wideband) 4200 - 4800 MHz	(a) See note "B" (b) See note "C" (c) See note "J"
<b>4400 - 4500</b> FIXED MOBILE	<b>4400 - 4500</b> FIXED	<b>4400 - 4800</b> (a) Fixed 4410 - 4790 MHz  (b) Short Range Device (Ultra-Wideband) 4200 - 4800 MHz	(a) 44% of the frequency channels in the band 4410 - 4790 MHz are vacant. (b) See note "J"
<b>4500 - 4800</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	<b>4500 - 4800</b> FIXED FIXED-SATELLITE (space-to-Earth)		

[1] Use of the frequency band 4200 - 4400 MHz by stations in the aeronautical mobile (R) service is reserved exclusively for wireless avionics intra-communication systems that operate in accordance with recognised international aeronautical standards. Such use shall be in accordance with Resolution 424 (Rev.WRC-23) of the Radio Regulations.

MHz  
4800 - 5030

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>4800 - 4990</b> FIXED MOBILE [1] Radio astronomy	<b>4800 - 4830</b> FIXED MOBILE	<b>4800 - 4960</b> (a) Public Mobile Services	(a) See note "E"
	<b>4830 - 4990</b> FIXED MOBILE		
<b>4990 - 5000</b> FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY Space research (passive)	<b>4990 - 5000</b> RADIO ASTRONOMY FIXED		
<b>5000 - 5010</b> AERONAUTICAL MOBILE-SATELLITE (R) AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (Earth-to-space)	<b>5000 - 5010</b> AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (Earth-to-space)	<b>5000 - 5030</b>	See note "K"
<b>5010 - 5030</b> AERONAUTICAL MOBILE-SATELLITE (R) AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth)(space-to-space)	<b>5010 - 5030</b> AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth)		

[1] The frequency band 4800 - 4990 MHz, or portions thereof, is identified for use by administrations wishing to implement International Mobile Telecommunications (IMT). This identification does not preclude the use of this frequency band by any application of the services to which it is allocated and does not establish priority in the Radio Regulations. IMT stations shall not claim protection from stations of other applications of the mobile service.

MHz  
5030 - 5250

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>5030 - 5091</b> AERONAUTICAL MOBILE (R) AERONAUTICAL MOBILE-SATELLITE (R) AERONAUTICAL RADIONAVIGATION	<b>5030 - 5091</b> AERONAUTICAL RADIONAVIGATION	<b>5030 - 5150</b>	See note "C"
<b>5091 - 5150</b> FIXED-SATELLITE (Earth-to-space) [1] AERONAUTICAL MOBILE AERONAUTICAL MOBILE-SATELLITE (R) AERONAUTICAL RADIONAVIGATION	<b>5091 - 5150</b> AERONAUTICAL RADIONAVIGATION		
<b>5150 - 5250</b> AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (Earth-to-space) [1] MOBILE except aeronautical mobile [2][3]	<b>5150 - 5250</b> AERONAUTICAL RADIONAVIGATION MOBILE except aeronautical mobile	<b>5150 - 5250</b> (a) Telecommunications Apparatus [4] 5150 - 5350 MHz	(a) See note "J"

- [1] The allocation to the fixed-satellite (Earth-to-space) service is limited to feeder links of non-geostationary satellite systems in the mobile-satellite service.
- [2] The use of the frequency bands 5150 - 5350 MHz and 5470 - 5725 MHz by the stations in the mobile, except aeronautical mobile, service shall be in accordance with Resolution 229 (Rev.WRC-23) of the Radio Regulations.

- [3] In the frequency band 5150 - 5250 MHz, stations in the mobile service shall not claim protection from earth stations in the fixed-satellite service.
- [4] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
5250 - 5470

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>5250 - 5255</b> EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH MOBILE except aeronautical mobile [1][2]	<b>5250 - 5350</b> RADIOLOCATION MOBILE except aeronautical mobile	<b>5250 - 5350</b> (a) Telecommunications Apparatus [4] 5150 - 5350 MHz	(a) See note "J"
<b>5255 - 5350</b> EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) MOBILE except aeronautical mobile [1][2]			
<b>5350 - 5460</b> EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) AERONAUTICAL RADIONAVIGATION RADIOLOCATION [3]	<b>5350 - 5470</b> AERONAUTICAL RADIONAVIGATION	<b>5350 - 5470</b>	See note "C"
<b>5460 - 5470</b> RADIONAVIGATION EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION [3]			

[1] The use of the frequency bands 5150 - 5350 MHz and 5470 - 5725 MHz by the stations in the mobile, except aeronautical mobile, service shall be in accordance with Resolution 229 (Rev.WRC-23) of the Radio Regulations.

[2] In the frequency band 5250 - 5350 MHz, stations in the mobile service shall not claim protection from the radiolocation service, the Earth exploration-satellite (active) and the space research (active) service. The radiolocation service, the Earth exploration-satellite service (active) and the space research service (active) shall not impose more stringent conditions upon the mobile service than those stipulated in Resolution 229 (Rev.WRC-23) of the Radio Regulations.

[3] In the frequency band 5350 - 5470 MHz, stations in the radiolocation service shall not cause harmful interference to, nor claim protection from, radar systems in the aeronautical radionavigation service.

[4] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
5470 - 5850

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>5470 - 5570</b> MARITIME RADIONAVIGATION MOBILE except aeronautical mobile [1] EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION [2]	<b>5470 - 5725</b> RADIOLOCATION MOBILE except aeronautical mobile	<b>5470 - 5725</b> (a) Radiolocation (b) Amateur-satellite 5650 - 5670 MHz (c) Telecommunications Apparatus [6]	(a)&(b) See note "B"  (c) See note "J"
<b>5570 - 5650</b> MARITIME RADIONAVIGATION MOBILE except aeronautical mobile [1] RADIOLOCATION [2]			
<b>5650 - 5725</b> RADIOLOCATION MOBILE except aeronautical mobile [1] Amateur [3] Space research (deep space) [2] [4]			
<b>5725 - 5830</b> RADIOLOCATION Amateur [4] [5]	<b>5725 - 5850</b> INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM) MOBILE Amateur	<b>5725 - 5850</b> (a) Industrial, Scientific and Medical (ISM) Equipment (b) Mobile (c) Amateur (d) Telecommunications Apparatus [6]	(a),(b)&(c) See note "B"  (d) See note "J"
<b>5830 - 5850</b> RADIOLOCATION Amateur Amateur-satellite (space-to-Earth) [4] [5]			

[1] The use of the frequency bands 5150 - 5350 MHz and 5470 - 5725 MHz by the stations in the mobile, except aeronautical mobile, service shall be in accordance with Resolution 229 (Rev.WRC-23) of the Radio Regulations.

[2] In the frequency band 5470 - 5725 MHz, stations in the mobile service shall not claim protection from radiodetermination services. The radiodetermination services shall not impose more stringent conditions upon the mobile service than those stipulated in Resolution 229 (Rev.WRC-23) of the Radio Regulations.

[3] Amateur-satellite service may operate in the frequency band 5650 - 5670 MHz subject to not causing harmful interference to other services. The use of the frequency band 5650 - 5670 MHz by the amateur-satellite service is limited to Earth-to-space direction. No. 5.282 of the Radio Regulations refers.

[4] In Chinese Mainland, the frequency band 5650 - 5850 MHz is also allocated to the fixed and mobile services on a primary basis.

[5] The frequency band 5725 - 5875 MHz (centre frequency 5800 MHz) is also designated for industrial, scientific and medical (ISM) applications.

[6] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz  
5850 - 7075

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>5850 - 5925</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Radiolocation [1]	<b>5850 - 5875</b> FIXED FIXED-SATELLITE (Earth-to-space) INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM) MOBILE	<b>5850 - 5875</b> (a) Fixed (b) Fixed-satellite	(a)&(b) See note "B"
	<b>5875 - 5925</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	<b>5875 - 5925</b> (a) Fixed-satellite	(a) See note "B"
<b>5925 - 6700</b> FIXED FIXED-SATELLITE (Earth-to-space) [2][3] MOBILE	<b>5925 - 6425</b> FIXED FIXED-SATELLITE (Earth-to-space)	<b>5925 - 6425</b> (a) Fixed-satellite (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz (c) 6 GHz Device	(a) See note "B" (b) See note "J" (c) See note "J"
	<b>6425 - 7075</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	<b>6425 - 7075</b> (a) Fixed # 6440 - 7100 MHz (b) Fixed-satellite (c) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz (d) Public Mobile Services 6570 - 6770 MHz, 6925 - 7025 MHz (e) Public Mobile Services 7025 - 7125 MHz	(a) See note "G" (b) See note "B" (c) See note "J" (d) See note "E" (e) See note "K"
<b>6700 - 7075</b> FIXED FIXED-SATELLITE (Earth-to-space) (space-to-Earth) MOBILE [4]			

[1] The frequency band 5725 - 5875 MHz (centre frequency 5800 MHz) is also designated for industrial, scientific and medical (ISM) applications.

[2] In the frequency band 5925 - 6425 MHz, earth stations located on board vessels may communicate with space stations of the fixed-satellite service. Such use shall be in accordance with Resolution 902 (Rev.WRC-23) of the Radio Regulations.

[3] In the frequency band 5925 - 6425 MHz, earth stations located on board vessels and communicating with space stations of the fixed-satellite service may employ transmit antennas with minimum diameter of 1.2 m and operate without prior agreement of any administration if located at least 330 km away from the low-water mark as officially recognised by the coastal State. All other provisions of Resolution 902 (Rev.WRC-23) of the Radio Regulations shall apply.

[4] The frequency band 7025 - 7125 MHz is identified for use by administrations wishing to implement the terrestrial component of International Mobile Telecommunications (IMT). This identification does not preclude the use of these frequency bands by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. Resolution 220 (WRC-23) of the Radio Regulations applies.

MHz  
7075 - 7250

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>7075 - 7145</b> FIXED MOBILE [1]	<b>7075 - 7250</b> FIXED MOBILE	<b>7075 - 7250</b> (a) Fixed # 6440 - 7100 MHz (b) Outside Broadcast (OB) Links  (c) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz  (d) Public Mobile Services 7025 - 7125 MHz	(a) See note "G"  (b) 71% of the frequency channels in the band 7100 - 7421 MHz are vacant.  (c) See note "J"  (d) See note "K"
<b>7145 - 7190</b> FIXED MOBILE SPACE RESEARCH (Earth-to-space)			
<b>7190 - 7235</b> EARTH EXPLORATION-SATELLITE (Earth-to-space) [2][3] FIXED MOBILE SPACE RESEARCH (Earth-to-space)			
<b>7235 - 7250</b> EARTH EXPLORATION-SATELLITE (Earth-to-space) [2] FIXED MOBILE			

[1] The frequency band 7025 - 7125 MHz is identified for use by administrations wishing to implement the terrestrial component of International Mobile Telecommunications (IMT). This identification does not preclude the use of these frequency bands by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. Resolution 220 (WRC-23) of the Radio Regulations applies.

[2] The use of the frequency band 7190 - 7250 MHz (Earth-to-space) by the earth-exploration satellite service shall be limited to tracking, telemetry and command for the operation of spacecraft. Space stations operating in the earth exploration-satellite (Earth-to-space) service in the frequency band 7190 - 7250 MHz shall not claim protection from existing and future stations in the fixed and mobile services.

[3] Space stations on the geostationary orbit operating in the earth exploration-satellite (Earth-to-space) service in the frequency band 7190 - 7235 MHz shall not claim protection from existing and future stations of the space research service.

MHz  
7250 - 7900

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>7250 - 7300</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE [1]	<b>7250 - 7375</b> FIXED MOBILE	<b>7250 - 7421</b> (a) Outside Broadcast (OB) Links  (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) 71% of the frequency channels in the band 7100 - 7421 MHz are vacant. (b) See note "J"
<b>7300 - 7375</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile [1]			
<b>7375 - 7450</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile MARITIME MOBILE-SATELLITE (space-to-Earth) [2]	<b>7375 - 7750</b> FIXED MOBILE MARITIME MOBILE-SATELLITE (space-to-Earth)	<b>7421 - 7722</b> (a) Fixed # (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) See note "G" (b) See note "J"
<b>7450 - 7550</b> FIXED FIXED-SATELLITE (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) [3] MOBILE except aeronautical mobile MARITIME MOBILE-SATELLITE (space-to-Earth) [2]			
<b>7550 - 7750</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile MARITIME MOBILE-SATELLITE (space-to-Earth) [2]			
<b>7750 - 7900</b> FIXED METEOROLOGICAL-SATELLITE [4] (space-to-Earth) MOBILE except aeronautical mobile	<b>7750 - 7900</b> FIXED	(a) Fixed  (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) 16% of the frequency channels in the band are vacant. (b) See note "J"

[1] The frequency band 7250 - 7375 MHz is also allocated to the mobile-satellite (space-to-Earth) service on a primary basis.

[2] The use of the frequency band 7375 - 7750 MHz by the maritime mobile-satellite service is limited to geostationary-satellite networks. In this band, earth stations in the maritime mobile-satellite service shall not claim protection from, nor constrain the use and development of, stations in the fixed and mobile, except aeronautical mobile, services.

[3] The use of the frequency band 7450 - 7550 MHz by the meteorological-satellite (space-to-Earth) service is limited to geostationary satellite systems.

[4] The use of the frequency band 7750 - 7900 MHz by the meteorological-satellite (space-to-Earth) service is limited to non-geostationary satellite systems.

MHz  
7900 - 8750

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS	
<b>7900 - 8025</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE [1]	<b>7900 - 8025</b> FIXED	<b>7900 - 8025</b> (a) Fixed 7900 - 8000 MHz  (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) See note "B"  (b) See note "J"	
<b>8025 - 8175</b> EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	<b>8025 - 8400</b> EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED	<b>8025 - 8275</b> (a) Earth exploration-satellite (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) See note "B" (b) See note "J"	
<b>8175 - 8215</b> EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) MOBILE		<b>8275 - 8400</b> (a) Earth exploration-satellite (b) Fixed # (c) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz		(a) See note "B" (b) See note "G" (c) See note "J"
<b>8215 - 8400</b> EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE		<b>8400 - 8500</b> FIXED		<b>8400 - 8500</b> (a) Fixed # (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz
<b>8400 - 8500</b> FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth)	<b>8400 - 8500</b> FIXED	<b>8400 - 8500</b> (a) Fixed # (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) See note "G" (b) See note "J"	
<b>8500 - 8550</b> RADIOLOCATION	<b>8500 - 8750</b> RADIOLOCATION	<b>8500 - 8750</b> (a) Radiolocation	(a) See note "B"	
<b>8550 - 8650</b> EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active)				
<b>8650 - 8750</b> RADIOLOCATION				
<b>8650 - 8750</b> RADIOLOCATION				

[1] The frequency band 7900 - 8025 MHz is also allocated to the mobile-satellite (Earth-to-space) service on a primary basis.

MHz  
8750 - 9800

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
8750 - 8850 RADIOLOCATION AERONAUTICAL RADIONAVIGATION	8750 - 8850 AERONAUTICAL RADIONAVIGATION	8750 - 8850	See note "C"
8850 - 9000 RADIOLOCATION MARITIME RADIONAVIGATION	8850 - 9000 MARITIME RADIONAVIGATION	8850 - 9000	See note "C"
9000 - 9200 AERONAUTICAL RADIONAVIGATION RADIOLOCATION	9000 - 9200 AERONAUTICAL RADIONAVIGATION RADIOLOCATION	9000 - 9200 (a) Government	(a) See note "C"
9200 - 9300 EARTH EXPLORATION-SATELLITE (active) [1] RADIOLOCATION MARITIME RADIONAVIGATION [2]	9200 - 9300 MARITIME RADIONAVIGATION	9200 - 9300	See note "C"
9300 - 9800 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION SPACE RESEARCH (active)	9300 - 9800 RADIOLOCATION RADIONAVIGATION	9300 - 9800 (a) Radiolocation (b) Radionavigation	(a) See note "B" (b) See note "C"

[1] The use of the frequency band 9200 - 9300 MHz by the earth exploration-satellite (active) service is limited to systems requiring necessary bandwidth greater than 600 MHz that cannot be fully accommodated within the frequency band 9300 - 9900 MHz. Stations operating in the earth exploration-satellite (active) service shall comply with Recommendations ITU-R RS.2065-0 and RS.2066-0.

[2] Stations in the earth exploration-satellite (active) service shall not cause harmful interference to, or claim protection from, stations of the maritime radionavigation and radiolocation services in the frequency band 9200 - 9300 MHz.

MHz  
9800 - 10450

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>9800 - 9900</b> RADIOLOCATION Earth exploration-satellite (active) Space research (active) Fixed	<b>9800 - 10150</b> TO BE PLANNED	<b>9800 - 10150</b>	See note "I"
<b>9900 - 10000</b> EARTH EXPLORATION-SATELLITE (active) [1] RADIOLOCATION Fixed [2][3]			
<b>10000 - 10400</b> EARTH EXPLORATION-SATELLITE (active) [1] FIXED MOBILE RADIOLOCATION Amateur [2][3]	<b>10150 - 10300</b> FIXED	<b>10150 - 10300</b> (a) Fixed #	(a) 90% of the frequency channels in the band are vacant.
<b>10400 - 10450</b> FIXED MOBILE RADIOLOCATION Amateur	<b>10300 - 10450</b> TO BE PLANNED	<b>10300 - 10450</b>	See note "I"

[1] The use of the frequency band 9900 - 10400 MHz by the earth exploration-satellite (active) service is limited to systems requiring necessary bandwidth greater than 600 MHz that cannot be fully accommodated within the frequency band 9300 - 9900 MHz. Stations operating in the earth exploration-satellite (active) service shall comply with Recommendations ITU-R RS.2065-0 and RS.2066-0.

[2] Stations in the earth exploration-satellite (active) service shall not cause harmful interference to, or claim protection from stations of the radionavigation and radiolocation services in the frequency band 9900 - 10000 MHz and the radiolocation service in the frequency band 10 - 10.4 GHz.

[3] The frequency band 9975 - 10025 MHz is also allocated to the meteorological-satellite service on a secondary basis for use by weather radars.

GHz  
10.45 - 12.2

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>10.45 - 10.5</b> RADIOLOCATION Amateur Amateur-satellite	<b>10.45 - 10.5</b> RADIOLOCATION Amateur Amateur-satellite	<b>10.45 - 10.5</b> (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
<b>10.5 - 10.55</b> FIXED MOBILE RADIOLOCATION	<b>10.5 - 10.68</b> FIXED RADIOLOCATION	<b>10.5 - 10.68</b> (a) Radiolocation (b) Fixed #	(a) See note "B" (b) 92% of the frequency channels in the band are vacant.
<b>10.55 - 10.6</b> FIXED MOBILE except aeronautical mobile Radiolocation			
<b>10.6 - 10.68</b> EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) Radiolocation			
<b>10.68 - 10.7</b> [1] EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)	<b>10.68 - 10.7</b> ALL EMISSIONS PROHIBITED	<b>10.68 - 10.7</b> (a) All emissions prohibited	(a) See note "A"
<b>10.7 - 11.7</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile	<b>10.7 - 11.7</b> FIXED FIXED-SATELLITE (space-to-Earth)	<b>10.7 - 11.7</b> (a) Fixed #  (b) Fixed-satellite	(a) 25% of the frequency channels in the band are vacant. (b) See note "B"
<b>11.7 - 12.2</b> [2][3] FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING-SATELLITE	<b>11.7 - 12.2</b> FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING-SATELLITE	<b>11.7 - 12.2</b> (a) Outside Broadcast (OB) Links	(a) See note "K"

[1] All emissions in the frequency band 10.68 - 10.7 GHz are prohibited.

[2] The frequency band 11.7 - 12.2 GHz is also allocated to the fixed-satellite (space-to-Earth) service on a primary basis, limited to non-geostationary systems.

[3] In the frequency band 11.7 - 12.5 GHz, the fixed, fixed-satellite, mobile except aeronautical mobile, and broadcasting services, shall not cause harmful interference to, or claim protection from, broadcasting-satellite stations.

GHz  
12.2 - 14

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>12.2 - 12.5</b> [1] FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile BROADCASTING	<b>12.2 - 12.5</b> FIXED-SATELLITE (space-to-Earth)	<b>12.2 - 12.5</b> (a) Fixed-satellite	(a) See note "B"
<b>12.5 - 12.75</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile BROADCASTING-SATELLITE	<b>12.5 - 12.75</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	<b>12.5 - 13.25</b> (a) Fixed # (b) Outside Broadcast (OB) Links (c) Fixed-satellite	(a)&(b) 36% of the frequency channels in the band are vacant. (c) See note "B"
<b>12.75 - 13.25</b> FIXED FIXED-SATELLITE (Earth-to-space) [2] MOBILE Space research (deep space) (space-to-Earth)	<b>12.75 - 13.25</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE		
<b>13.25 - 13.4</b> EARTH EXPLORATION-SATELLITE (active) AERONAUTICAL RADIONAVIGATION SPACE RESEARCH (active)	<b>13.25 - 13.4</b> AERONAUTICAL RADIONAVIGATION	<b>13.25 - 13.4</b>	See note "C"
<b>13.4 - 13.75</b> EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH Standard frequency and time signal-satellite (Earth-to-space)	<b>13.4 - 13.75</b> RADIOLOCATION	<b>13.4 - 13.75</b> (a) Radiolocation	(a) See note "B"
<b>13.75 - 14</b> FIXED-SATELLITE (Earth-to-space) RADIOLOCATION Standard frequency and time signal-satellite (Earth-to-space) Space research Earth exploration-satellite	<b>13.75 - 14</b> FIXED-SATELLITE (Earth-to-space) RADIOLOCATION	<b>13.75 - 14</b> (a) Fixed-satellite	(a) See note "B"

[1] In the frequency band 11.7 - 12.5 GHz, the fixed, fixed-satellite, mobile except aeronautical mobile, and broadcasting services, shall not cause harmful interference to, or claim protection from, broadcasting-satellite stations.

[2] The frequency band 12.75 - 13.25 GHz (Earth-to-space) may be used by earth stations in motion, limited to earth stations on aircraft and vessels, communicating with geostationary space stations in the fixed-satellite service. Resolution 121 (WRC-23) of the Radio Regulations shall apply.

GHz  
14 - 14.47

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>14 - 14.25</b> FIXED-SATELLITE (Earth-to-space) [1] RADIONAVIGATION Mobile-satellite (Earth-to-space) Space research [2][3][4]	<b>14 - 14.4</b> FIXED-SATELLITE (Earth-to-space) Mobile-satellite (Earth-to-space)	<b>14 - 14.4</b> (a) Fixed-satellite (b) Mobile-satellite	(a)&(b) See note "B"
<b>14.25 - 14.3</b> FIXED-SATELLITE (Earth-to-space) [1] RADIONAVIGATION Mobile-satellite (Earth-to-space) Space research [2][3][4]			
<b>14.3 - 14.4</b> FIXED FIXED-SATELLITE (Earth-to-space) [1] MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) Radionavigation-satellite [2][3][4]			
<b>14.4 - 14.47</b> FIXED FIXED-SATELLITE (Earth-to-space) [1] MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) Space research (space-to-Earth) [2][3][4]	<b>14.4 - 14.47</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Mobile-satellite (Earth-to-space)	<b>14.4 - 14.47</b> (a) Fixed #  (b) Outside Broadcast (OB) Links (c) Mobile-satellite (d) Fixed-satellite	(a) 56% of the frequency channels in the band 14.4 - 15.35 GHz are vacant. (b) See note "K" (c)&(d) See note "B"

[1] In the frequency band 14 - 14.5 GHz, earth stations located on board vessels may communicate with space stations of the fixed-satellite service. Such use shall be in accordance with Resolution 902 (Rev.WRC-23) of the Radio Regulations.

[2] In the frequency band 14 - 14.5 GHz, aircraft earth stations in the secondary aeronautical mobile-satellite service may also communicate with space stations in the fixed-satellite service.

[3] In the frequency band 14 - 14.5 GHz, ship earth stations with an equivalent isotropically radiated power (e.i.r.p.) greater than 21 dBW shall operate under the same conditions as earth stations located on board vessels, as provided in Resolution 902 (Rev.WRC-23) of the Radio Regulations.

[4] Earth stations located on board vessels communicating with space stations in the fixed-satellite service may operate in the frequency band 14 - 14.5 GHz, with details specified in No. 5.506B of the Radio Regulations.

GHz  
14.47 - 15.35

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>14.47 - 14.5</b> FIXED FIXED-SATELLITE (Earth-to-space) [1] MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) Radio astronomy [2][3][4]	<b>14.47 - 14.5</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Mobile-satellite (Earth-to-space)	<b>14.47 - 14.5</b> (a) Fixed #  (b) Outside Broadcast (OB) Links (c) Mobile-satellite (d) Fixed-satellite	(a) 56% of the frequency channels in the band 14.4 - 15.35 GHz are vacant. (b) See note "K" (c)&(d) See note "B"
<b>14.5 - 14.8</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Space research	<b>14.5 - 14.8</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	<b>14.5 - 15.35</b> (a) Fixed #  (b) Outside Broadcast (OB) Links (c) Fixed-satellite 14.5 - 14.8 GHz	(a) 56% of the frequency channels in the band 14.4 - 15.35 GHz are vacant. (b) See note "K" (c) See note "B"
* <b>14.8 - 15.35</b> FIXED MOBILE SPACE RESEARCH [5]	<b>14.8 - 15.35</b> FIXED MOBILE		

[1] In the frequency band 14 - 14.5 GHz, earth stations located on board vessels may communicate with space stations of the fixed-satellite service. Such use shall be in accordance with Resolution 902 (Rev.WRC-23) of the Radio Regulations.

[2] In the frequency band 14 - 14.5 GHz, aircraft earth stations in the secondary aeronautical mobile-satellite service may also communicate with space stations in the fixed-satellite service.

[3] In the frequency band 14 - 14.5 GHz, ship earth stations with an equivalent isotropically radiated power (e.i.r.p.) greater than 21 dBW shall operate under the same conditions as earth stations located on board vessels, as provided in Resolution 902 (Rev.WRC-23) of the Radio Regulations.

[4] Earth stations located on board vessels communicating with space stations in the fixed-satellite service may operate in the frequency band 14 - 14.5 GHz, with details specified in No. 5.506B of the Radio Regulations.

[5] The allocation of the frequency band 14.8 - 15.35 GHz to the space research service on a primary basis is limited to satellite systems operating in the space-to-space, space-to-Earth and Earth-to-space directions. No. 5.510A of the Radio Regulations refers.

GHz  
15.35 - 15.7

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>15.35 - 15.4</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>15.35 - 15.4</b> ALL EMISSIONS PROHIBITED	<b>15.35 - 15.4</b> (a) All emissions prohibited	(a) See note "A"
<b>15.4 - 15.43</b> RADIOLOCATION AERONAUTICAL RADIONAVIGATION	<b>15.4 - 15.7</b> AERONAUTICAL RADIONAVIGATION	<b>15.4 - 15.7</b>	See note "C"
<b>15.43 - 15.63</b> FIXED-SATELLITE (Earth-to-space) RADIOLOCATION AERONAUTICAL RADIONAVIGATION			
<b>15.63 - 15.7</b> RADIOLOCATION AERONAUTICAL RADIONAVIGATION			

[1] All emissions in the frequency band 15.35 - 15.4 GHz are prohibited.

GHz  
15.7 - 18.4

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>15.7 - 16.6</b> RADIOLOCATION	<b>15.7 - 17.3</b> RADIOLOCATION	<b>15.7 - 17.3</b> (a) Radiolocation	(a) See note "B"
<b>16.6 - 17.1</b> RADIOLOCATION Space research (deep space) (Earth-to-space)			
<b>17.1 - 17.2</b> RADIOLOCATION			
<b>17.2 - 17.3</b> EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active)			
<b>17.3 - 17.7</b> FIXED-SATELLITE (Earth-to-space) Radiolocation	<b>17.3 - 17.7</b> FIXED-SATELLITE (Earth-to-space)	<b>17.3 - 17.7</b>	See note "K"
<b>17.7 - 18.1</b> FIXED FIXED-SATELLITE (space-to-Earth) [1][2] (Earth-to-space) MOBILE	<b>17.7 - 18.1</b> FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space)	<b>17.7 - 18.4</b> (a) Fixed # 17.74125 - 18.12625 GHz  (b) Fixed (Microwave Multipoint Distribution Systems (MMDS))  (c) Fixed-satellite	(a) 69% of the frequency channels in the band are vacant. (b) See note "K" (c) See note "B"
* <b>18.1 - 18.4</b> FIXED FIXED-SATELLITE (space-to-Earth) [1][2] (Earth-to-space) INTER-SATELLITE [3] MOBILE [4]	<b>18.1 - 18.4</b> FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) INTER-SATELLITE		

[1] The operation of aeronautical and maritime earth stations in motion communicating with non-geostationary space stations in the fixed-satellite service in the frequency band 17.7 - 18.6 GHz shall be subject to the application of Resolution 123 (WRC-23) of the Radio Regulations.

[2] The operation of earth stations in motion communicating with geostationary fixed-satellite service space stations within the frequency band 17.7 - 19.7 GHz (space-to-Earth) shall be subject to the application of Resolution 169 (Rev.WRC-23) of the Radio Regulations.

[3] For use of the frequency band 18.1 - 18.6 GHz, or parts thereof, by space stations in the inter-satellite service, Resolution 679 (WRC-23) of the Radio Regulations shall apply. Such use is limited to space research, space operation and/or Earth exploration-satellite applications, and also transmissions of data originating from industrial and medical activities in space.

[4] The frequency band 18.1 - 18.4 GHz is also allocated to the meteorological-satellite (space-to-Earth) service on a primary basis.

GHz  
18.4 - 18.8

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<p>* <b>18.4 - 18.6</b> FIXED FIXED-SATELLITE (space-to-Earth) [1] INTER-SATELLITE [2] MOBILE [3]</p>	<p><b>18.4 - 18.6</b> FIXED FIXED-SATELLITE (space-to-Earth) INTER-SATELLITE</p>	<p><b>18.4 - 18.8</b> (a) Fixed (Microwave Multipoint Distribution Systems (MMDS))</p>	<p>(a) See note "K"</p>
<p><b>18.6 - 18.8</b> EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile Space research (passive) [3]</p>	<p><b>18.6 - 18.8</b> FIXED FIXED-SATELLITE (space-to-Earth)</p>		

[1] The operation of aeronautical and maritime earth stations in motion communicating with non-geostationary space stations in the fixed-satellite service in the frequency band 17.7 - 18.6 GHz shall be subject to the application of Resolution 123 (WRC-23) of the Radio Regulations.

[2] For use of the frequency band 18.1 - 18.6 GHz, or parts thereof, by space stations in the inter-satellite service, Resolution 679 (WRC-23) of the Radio Regulations shall apply. Such use is limited to space research, space operation and/or Earth exploration-satellite applications, and also transmissions of data originating from industrial and medical activities in space.

[3] The operation of earth stations in motion communicating with geostationary fixed-satellite service space stations within the frequency band 17.7 - 19.7 GHz (space-to-Earth) shall be subject to the application of Resolution 169 (Rev.WRC-23) of the Radio Regulations.

GHz  
18.8 - 19.7

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<p>* <b>18.8 - 19.3</b> FIXED FIXED-SATELLITE (space-to-Earth) [1] INTER-SATELLITE [2] MOBILE [3]</p>	<p><b>18.8 - 19.3</b> FIXED FIXED-SATELLITE (space-to-Earth) INTER-SATELLITE</p>	<p><b>18.8 - 19.7</b> (a) Fixed # 18.75125 - 19.13625 GHz  (b) Fixed-satellite (c) Fixed (Microwave Multipoint Distribution System (MMDS)) (d) Telecommunications Apparatus [5] 18.82 - 18.87 GHz</p>	<p>(a) 69% of the frequency channels in the band are vacant. (b) See note "B" (c) See note "K" (d) See note "J"</p>
<p>* <b>19.3 - 19.7</b> FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) INTER-SATELLITE [2][4] MOBILE [3]</p>	<p><b>19.3 - 19.7</b> FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) INTER-SATELLITE</p>		

[1] The operation of aeronautical and maritime earth stations in motion communicating with non-geostationary space stations in the fixed-satellite service in the frequency band 18.8 - 19.3 GHz shall be subject to the application of Resolution 123 (WRC-23) of the Radio Regulations.

[2] For use of the frequency band 18.8 - 20.2 GHz, or parts thereof, by space stations in the inter-satellite service, Resolution 679 (WRC-23) of the Radio Regulations shall apply. Such use is limited to space research, space operation and/or Earth exploration-satellite applications, and also transmissions of data originating from industrial and medical activities in space.

[3] The operation of earth stations in motion communicating with geostationary fixed-satellite service space stations within the frequency band 17.7 - 19.7 GHz (space-to-Earth) shall be subject to the application of Resolution 169 (Rev.WRC-23) of the Radio Regulations.

[4] In order to protect feeder links of non-geostationary networks in the mobile-satellite service in the frequency band 19.3 - 19.7 GHz, the operation of the inter-satellite service shall follow No. 5.523DA of the Radio Regulations.

[5] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

GHz  
19.7 - 21.2

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<p>* <b>19.7 - 20.1</b> FIXED-SATELLITE (space-to-Earth) [1][2] INTER-SATELLITE [3] Mobile-satellite (space-to-Earth) [4]</p>	<p><b>19.7 - 20.2</b> FIXED-SATELLITE (space-to-Earth) INTER-SATELLITE</p>	<p><b>19.7 - 21.2</b> (a) Fixed-satellite</p>	<p>(a) See note "B"</p>
<p>* <b>20.1 - 20.2</b> FIXED-SATELLITE (space-to-Earth) [1][2] INTER-SATELLITE [3] MOBILE-SATELLITE (space-to-Earth) [4]</p>			
<p><b>20.2 - 21.2</b> FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Standard frequency and time signal-satellite (space-to-Earth) [4][5]</p>	<p><b>20.2 - 21.2</b> FIXED-SATELLITE (space-to-Earth)</p>		

[1] The operation of earth stations in motion communicating with the fixed-satellite service is subject to Resolution 156 (Rev.WRC-23) of the Radio Regulations.

[2] The operation of aeronautical and maritime earth stations in motion communicating with non-geostationary space stations in the fixed-satellite service in the frequency band 19.7 - 20.2 GHz (space-to-Earth) shall be subject to the application of Resolution 123 (WRC-23) of the Radio Regulations.

[3] For use of the frequency band 18.8 - 20.2 GHz, or parts thereof, by space stations in the inter-satellite service, Resolution 679 (WRC-23) of the Radio Regulations shall apply. Such use is limited to space research, space operation and/or Earth exploration-satellite applications, and also transmissions of data originating from industrial and medical activities in space.

[4] The frequency band 19.7 - 21.2 GHz is also allocated to the fixed and mobile services on a primary basis. This additional use shall not impose any limitation on the power flux-density of space stations in the fixed-satellite service in the frequency band 19.7 - 21.2 GHz and of space stations in the mobile-satellite service in the frequency band 19.7 - 20.2 GHz where the allocation to the mobile-satellite service is on a primary basis in the latter frequency band.

[5] In the frequency band 20.2 - 21.2 GHz, non-geostationary-satellite systems for which complete coordination or notification information, according to the case, is received by ITU as of 1 January 2025 shall not cause unacceptable interference to and shall not claim protection from geostationary-satellite networks in the mobile-satellite service.

GHz  
21.2 - 23.6

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>21.2 - 21.4</b> EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)	<b>21.2 - 21.4</b> FIXED	<b>21.2 - 23.6</b> (a) Fixed # 21.2 - 21.4 GHz, 22 - 23.6 GHz	(a) 44% of the frequency channels in the band are vacant.
<b>21.4 - 22</b> FIXED MOBILE BROADCASTING-SATELLITE	<b>21.4 - 22</b> BROADCASTING-SATELLITE		
<b>22 - 22.21</b> FIXED MOBILE except aeronautical mobile	<b>22 - 23.6</b> FIXED		
<b>22.21 - 22.5</b> EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE-RESEARCH (passive)			
<b>22.5 - 22.55</b> FIXED MOBILE			
<b>22.55 - 23.15</b> FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (Earth-to-space)			
<b>23.15 - 23.55</b> FIXED INTER-SATELLITE MOBILE			
<b>23.55 - 23.6</b> FIXED MOBILE			

GHz  
23.6 - 24.75

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>23.6 - 24</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>23.6 - 24</b> ALL EMISSIONS PROHIBITED	<b>23.6 - 24</b> (a) All emissions prohibited	(a) See note "A"
<b>24 - 24.05</b> AMATEUR AMATEUR-SATELLITE [2]	<b>24 - 24.05</b> INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM) Amateur	<b>24 - 24.05</b> (a) Industrial, Scientific and Medical (ISM) Equipment (b) Amateur	(a)&(b) See note "B"
<b>24.05 - 24.25</b> RADIOLOCATION Amateur Earth exploration-satellite (active) [2]	<b>24.05 - 24.25</b> RADIOLOCATION INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM) Amateur	<b>24.05 - 24.25</b> (a) Industrial, Scientific and Medical (ISM) Equipment (b) Radiolocation (c) Amateur	(a),(b)&(c) See note "B"
<b>24.25 - 24.45</b> RADIONAVIGATION FIXED MOBILE [3]	<b>24.25 - 24.65</b> RADIONAVIGATION FIXED MOBILE	<b>24.25 - 24.75</b> (a) Large Scale Public Mobile Services	(a) See note "K"
<b>24.45 - 24.65</b> FIXED INTER-SATELLITE MOBILE RADIONAVIGATION [3]			
<b>24.65 - 24.75</b> FIXED FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE MOBILE [3]	<b>24.65 - 24.75</b> FIXED MOBILE		

[1] All emissions in the frequency band 23.6 - 24 GHz are prohibited.

[2] The frequency band 24 - 24.25 GHz (centre frequency 24.125 GHz) is also designated for industrial, scientific and medical (ISM) applications. Radiocommunications services operating within this band must accept harmful interference which may be caused by these applications.

[3] The frequency band 24.25 - 27.5 GHz is identified for use by administrations wishing to implement the terrestrial component of International Mobile Telecommunications (IMT).

GHz  
24.75 - 27

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>24.75 - 25.25</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE [1]	<b>24.75 - 25.25</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	<b>24.75 - 27</b> (a) Large Scale Public Mobile Services 24.75 - 25.55 GHz (b) Large Scale Public Mobile Services 25.55 - 27.95 GHz	(a) See note "K"  (b) See note "E"
<b>25.25 - 25.5</b> FIXED INTER-SATELLITE MOBILE Standard frequency and time signal-satellite (Earth-to-space) [1]	<b>25.25 - 27</b> FIXED MOBILE		
<b>25.5 - 27</b> EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (space-to-Earth) Standard frequency and time signal-satellite (Earth-to-space) [1]			

[1] The frequency band 24.25 - 27.5 GHz is identified for use by administrations wishing to implement the terrestrial component of International Mobile Telecommunications (IMT).

GHz  
27 - 28.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>27 - 27.5</b> FIXED FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE MOBILE [1]	<b>27 - 27.5</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	<b>27 - 28.35</b> (a) Large Scale Public Mobile Services 25.55 - 27.95 GHz (b) Localised Wireless Broadband Services 27.95 - 28.35 GHz (c) Fixed-satellite 27 - 28.35 GHz	(a) See note "E"  (b) See note "B"  (c) See note "B"
* <b>27.5 - 28.5</b> FIXED FIXED-SATELLITE (Earth-to-space) [2] INTER-SATELLITE [3] MOBILE [4]	<b>27.5 - 28.35</b> FIXED FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE MOBILE		
	<b>28.35 - 28.5</b> FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE	<b>28.35 - 28.5</b> (a) Fixed-satellite	(a) See note "B"

[1] The frequency band 24.25 - 27.5 GHz is identified for use by administrations wishing to implement the terrestrial component of International Mobile Telecommunications (IMT).

[2] The operation of aeronautical and maritime earth stations in motion communicating with non-geostationary space stations in the fixed-satellite service in the frequency band 27.5 - 29.1 GHz shall be subject to the application of Resolution 123 (WRC-23) of the Radio Regulations.

[3] For use of the frequency bands 27.5 - 30 GHz, or parts thereof, by space stations in the inter-satellite service, Resolution 679 (WRC-23) of the Radio Regulations shall apply. Such use is limited to space research, space operation and/or Earth exploration-satellite applications, and also transmissions of data originating from industrial and medical activities in space.

[4] The operation of earth stations in motion communicating with geostationary fixed-satellite service space stations within the frequency band 27.5 - 29.5 GHz (Earth-to-space) shall be subject to the application of Resolution 169 (Rev.WRC-23) of the Radio Regulations.

GHz  
28.5 - 30

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
* <b>28.5 - 29.5</b> FIXED FIXED-SATELLITE (Earth-to-space) [1] INTER-SATELLITE [2] MOBILE Earth exploration-satellite (Earth-to-space) [3]	<b>28.5 - 29.1</b> FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE	<b>28.5 - 30</b> (a) Fixed-satellite	(a) See note "B"
	<b>29.1 - 29.25</b> FIXED FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE		
	<b>29.25 - 30</b> FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE		
* <b>29.5 - 29.9</b> FIXED-SATELLITE (Earth-to-space) [1][4] INTER-SATELLITE [2] Earth exploration-satellite (Earth-to-space) Mobile-satellite (Earth-to-space)			
* <b>29.9 - 30</b> FIXED-SATELLITE (Earth-to-space) [1][4] INTER-SATELLITE [2] MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space)			

[1] The operation of aeronautical and maritime earth stations in motion communicating with non-geostationary space stations in the fixed-satellite service in the frequency bands 27.5 - 29.1 GHz and 29.5 - 30 GHz (Earth-to-space) shall be subject to the application of Resolution 123 (WRC-23) of the Radio Regulations.

[2] For use of the frequency band 27.5 - 30 GHz, or parts thereof, by space stations in the inter-satellite service, Resolution 679 (WRC-23) of the Radio Regulations shall apply. Such use is limited to space research, space operation and/or Earth exploration-satellite applications, and also transmissions of data originating from industrial and medical activities in space.

[3] The operation of earth stations in motion communicating with geostationary fixed-satellite service space stations within the frequency band 27.5 - 29.5 GHz (Earth-to-space) shall be subject to the application of Resolution 169 (Rev.WRC-23) of the Radio Regulations.

[4] The operation of earth stations in motion communicating with the fixed-satellite service is subject to Resolution 156 (Rev.WRC-23) of the Radio Regulations.

GHz  
30 - 31.3

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>30 - 31</b> FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Standard frequency and time signal-satellite (space-to-Earth) [1]	<b>30 - 31</b> FIXED-SATELLITE (Earth-to-space)	<b>30 - 31</b>	See note "K"
<b>31 - 31.3</b> FIXED MOBILE Standard frequency and time signal-satellite (space-to-Earth) Space research	<b>31 - 31.3</b> FIXED	<b>31 - 31.3</b> (a) Local Wireless Fixed Telecommunication Network Services (LWFTNS)	(a) See note "K"

[1] In the frequency band 30 - 31 GHz, non-geostationary-satellite systems for which complete coordination or notification information, according to the case, is received by ITU as of 1 January 2025 shall not cause unacceptable interference to and shall not claim protection from geostationary-satellite networks in the mobile-satellite service.

GHz  
31.3 - 34.2

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>31.3 - 31.5</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>31.3 - 31.5</b> ALL EMISSIONS PROHIBITED	<b>31.3 - 31.5</b> (a) All emissions prohibited	(a) See note "A"
<b>31.5 - 31.8</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile	<b>31.5 - 33</b> TO BE PLANNED	<b>31.5 - 33</b>	See note "I"
<b>31.8 - 32</b> FIXED RADIONAVIGATION SPACE RESEARCH (deep space) (space-to-Earth)			
<b>32 - 32.3</b> FIXED RADIONAVIGATION SPACE RESEARCH (deep space) (space-to-Earth)			
<b>32.3 - 33</b> FIXED INTER-SATELLITE RADIONAVIGATION			
<b>33 - 33.4</b> FIXED RADIONAVIGATION	<b>33 - 33.4</b> RADIONAVIGATION	<b>33 - 33.4</b>	See note "K"
<b>33.4 - 34.2</b> RADIOLOCATION	<b>33.4 - 34.2</b> RADIOLOCATION	<b>33.4 - 34.2</b> (a) Radiolocation	(a) See note "B"

[1] All emissions in the frequency band 31.3 - 31.5 GHz are prohibited.

GHz  
34.2 - 38

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>34.2 - 34.7</b> RADIOLOCATION SPACE RESEARCH (deep space) (Earth-to-space)	<b>34.2 - 35.2</b> RADIOLOCATION	<b>34.2 - 35.2</b> (a) Radiolocation	(a) See note "B"
<b>34.7 - 35.2</b> RADIOLOCATION Space research			
<b>35.2 - 35.5</b> METEOROLOGICAL AIDS RADIOLOCATION	<b>35.2 - 37</b> TO BE PLANNED	<b>35.2 - 37</b>	See note "I"
<b>35.5 - 36</b> METEOROLOGICAL AIDS EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active)			
<b>36 - 37</b> EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)			
<b>37 - 37.5</b> FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth) [1]			
<b>37.5 - 38</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth) Earth exploration-satellite (space-to-Earth) [1]	<b>37 - 38</b> FIXED MOBILE except aeronautical mobile	<b>37 - 38</b> (a) Fixed #	(a) 66% of the frequency channels in the band 37 - 39.5 GHz are vacant.

[1] The frequency band 37 - 43.5 GHz, or portions thereof, is identified for use by administrations wishing to implement the terrestrial component of International Mobile Telecommunications (IMT).

GHz  
38 - 42.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>38 - 39.5</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Earth exploration-satellite (space-to-Earth) [1]	<b>38 - 39.5</b> FIXED MOBILE	<b>38 - 39.5</b> (a) Fixed #	(a) 66% of the frequency channels in the band 37 - 39.5 GHz are vacant.
<b>39.5 - 40</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth) Earth exploration-satellite (space-to-Earth) [1]	<b>39.5 - 40</b> FIXED MOBILE	<b>39.5 - 42.5</b>	See note "K"
<b>40 - 40.5</b> EARTH EXPLORATION-SATELLITE (Earth-to-space) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth) SPACE RESEARCH (Earth-to-space) Earth exploration-satellite (space-to-Earth) [1]	<b>40 - 40.5</b> FIXED MOBILE		
<b>40.5 - 42.5</b> FIXED FIXED-SATELLITE (space-to-Earth) LAND MOBILE BROADCASTING BROADCASTING-SATELLITE Aeronautical mobile Maritime mobile [1]	<b>40.5 - 42.5</b> FIXED LAND MOBILE		

[1] The frequency band 37 - 43.5 GHz, or portions thereof, is identified for use by administrations wishing to implement the terrestrial component of International Mobile Telecommunications (IMT).

GHz  
42.5 - 52.4

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>42.5 - 43.5</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE except aeronautical mobile RADIO ASTRONOMY [1]	<b>42.5 - 43.5</b> FIXED MOBILE except aeronautical mobile	<b>42.5 - 43.5</b>	See note "K"
<b>43.5 - 47</b> MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE	<b>43.5 - 47</b> TO BE PLANNED	<b>43.5 - 47</b>	See note "I"
<b>47 - 47.2</b> AMATEUR AMATEUR-SATELLITE	<b>47 - 47.2</b> AMATEUR AMATEUR-SATELLITE	<b>47 - 47.2</b> (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
<b>47.2 - 50.2</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE [2]	<b>47.2 - 50.2</b> TO BE PLANNED	<b>47.2 - 50.2</b>	See note "I"
<b>50.2 - 50.4</b> EARTH EXPLORATION-SATELLITE (passive) SPACE-RESEARCH (passive) [3]	<b>50.2 - 50.4</b> ALL EMISSIONS PROHIBITED	<b>50.2 - 50.4</b> (a) All emissions prohibited	(a) See note "A"
<b>50.4 - 51.4</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Mobile-satellite (Earth-to-space)	<b>50.4 - 51.15</b> FIXED	<b>50.4 - 51.15</b>	See note "K"
<b>51.4 - 52.4</b> FIXED FIXED-SATELLITE (Earth-to-space) [4] MOBILE	<b>51.15 - 52.4</b> TO BE PLANNED	<b>51.15 - 52.4</b>	See note "I"

[1] The frequency band 37 - 43.5 GHz, or portions thereof, is identified for use by administrations wishing to implement the terrestrial component of International Mobile Telecommunications (IMT).

[2] The frequency band 48.94 - 49.04 GHz is also allocated to the radio astronomy service on a primary basis.

[3] All emissions in the frequency band 50.2 - 50.4 GHz are prohibited.

[4] The use of the frequency band 51.4 - 52.4 GHz by the fixed-satellite service (Earth-to-space) is limited to geostationary-satellite networks. The earth stations shall be limited to gateway earth stations with a minimum antenna diameter of 2.4 metres.

GHz  
52.4 - 59

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
52.4 - 52.6 FIXED MOBILE	52.4 - 52.6 TO BE PLANNED	52.4 - 52.6	See note "I"
52.6 - 54.25 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive) [1]	52.6 - 54.25 ALL EMISSIONS PROHIBITED	52.6 - 54.25 (a) All emissions prohibited	(a) See note "A"
54.25 - 55.78 EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE SPACE-RESEARCH (passive)	54.25 - 57 TO BE PLANNED	54.25 - 57	See note "I"
55.78 - 56.9 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (passive)			
56.9 - 57 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (passive)			
57 - 58.2 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (passive)	57 - 59 FIXED MOBILE	57 - 59 (a) 60 GHz Device 57 - 66 GHz	(a) See note "J"
58.2 - 59 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)			

[1] All emissions in the frequency band 52.6 - 54.25 GHz are prohibited.

GHz  
59 - 71

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>59 - 59.3</b> EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE RADIOLOCATION SPACE RESEARCH (passive)	<b>59 - 61</b> FIXED MOBILE	<b>59 - 66</b> (a) 60 GHz Device 57 - 66 GHz (b) Industrial, Scientific and Medical (ISM) Equipment 61 - 61.5 GHz	(a) See note "J"  (b) See note "B"
<b>59.3 - 64</b> FIXED INTER-SATELLITE MOBILE RADIOLOCATION [1]	<b>61 - 61.5</b> FIXED MOBILE RADIOLOCATION INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)		
	<b>61.5 - 64</b> FIXED MOBILE		
<b>64 - 65</b> FIXED INTER-SATELLITE MOBILE except aeronautical mobile	<b>64 - 66</b> FIXED MOBILE except aeronautical mobile		
<b>65 - 66</b> EARTH EXPLORATION-SATELLITE FIXED INTER-SATELLITE MOBILE except aeronautical mobile SPACE RESEARCH			
<b>66 - 71</b> INTER-SATELLITE MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE [2]	<b>66 - 71</b> MOBILE	<b>66 - 71</b>	See note "K"

[1] The frequency band 61 - 61.5 GHz (centre frequency 61.25 GHz) is designated for industrial, scientific and medical (ISM) applications.

[2] The frequency band 66 - 71 GHz is identified for use by administrations wishing to implement the terrestrial component of International Mobile Telecommunications (IMT).

GHz  
71 - 78

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>71 - 74</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth)	<b>71 - 76</b> TO BE PLANNED	<b>71 - 76</b>	See note "I"
<b>74 - 75.5</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE BROADCASTING BROADCASTING-SATELLITE Space research (space-to-Earth)			
<b>75.5 - 76</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE BROADCASTING BROADCASTING-SATELLITE Space research (space-to-Earth)			
<b>76 - 77.5</b> RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite Space research (space-to-Earth)	<b>76 - 77.5</b> RADIOLOCATION Amateur Amateur-satellite	<b>76 - 77.5</b> (a) 79 GHz Automotive Radar 77 - 81 GHz (b) Amateur (c) Amateur-satellite (d) Telecommunications Apparatus [1] 76 - 77 GHz	(a) See note "J"  (b)&(c) See note "B"  (d) See note "J"
<b>77.5 - 78</b> AMATEUR AMATEUR-SATELLITE RADIOLOCATION [2] Radio astronomy Space research (space-to-Earth)	<b>77.5 - 78</b> AMATEUR AMATEUR-SATELLITE RADIOLOCATION	<b>77.5 - 78</b> (a) Amateur (b) Amateur-satellite (c) 79 GHz Automotive Radar 77 - 81 GHz	(a)&(b) See note "B"  (c) See note "J"

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

[2] The use of the frequency band 77.5 - 78 GHz by the radiolocation service shall be limited to short-range radar for ground-based applications, including automotive radars. The technical characteristics of these radars are provided in the most recent version of Recommendation ITU-R M.2057. The provisions of No. 4.10 of the Radio Regulations do not apply.

GHz  
78 - 86

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>78 - 79</b> RADIOLOCATION Amateur Amateur-satellite Radio astronomy Space research (space-to-Earth)	<b>78 - 81</b> RADIOLOCATION Amateur Amateur-satellite	<b>78 - 81</b> (a) 79 GHz Automotive Radar 77 - 81 GHz (b) Amateur (c) Amateur-satellite	(a) See note "J"  (b)&(c) See note "B"
<b>79 - 81</b> RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite Space research (space-to-Earth)			
<b>81 - 84</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY Space research (space-to-Earth)	<b>81 - 86</b> TO BE PLANNED	<b>81 - 86</b>	See note "I"
<b>84 - 86</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIO ASTRONOMY			

GHz  
86 - 102

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>86 - 92</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>86 - 92</b> ALL EMISSIONS PROHIBITED	<b>86 - 92</b> (a) All emissions prohibited	(a) See note "A"
<b>92 - 94</b> FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION	<b>92 - 100</b> TO BE PLANNED	<b>92 - 100</b>	See note "I"
<b>94 - 94.1</b> EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) Radio astronomy			
<b>94.1 - 95</b> FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION			
<b>95 - 100</b> FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE			
<b>100 - 102</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>100 - 102</b> ALL EMISSIONS PROHIBITED	<b>100 - 102</b> (a) All emissions prohibited	(a) See note "A"

[1] All emissions in the frequency bands 86 - 92 GHz and 100 - 102 GHz are prohibited.

GHz  
102 - 114.25

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>102 - 105</b> FIXED MOBILE RADIO ASTRONOMY	<b>102 - 109.5</b> TO BE PLANNED	<b>102 - 109.5</b>	See note "I"
<b>105 - 109.5</b> FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (passive)			
<b>109.5 - 111.8</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>109.5 - 111.8</b> ALL EMISSIONS PROHIBITED	<b>109.5 - 111.8</b> (a) All emissions prohibited	(a) See note "A"
<b>111.8 - 114.25</b> FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (passive)	<b>111.8 - 114.25</b> TO BE PLANNED	<b>111.8 - 114.25</b>	See note "I"

[1] All emissions in the frequency band 109.5 - 111.8 GHz are prohibited.

GHz  
114.25 - 126

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>114.25 - 116</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>114.25 - 116</b> ALL EMISSIONS PROHIBITED	<b>114.25 - 116</b> (a) All emissions prohibited	(a) See note "A"
<b>116 - 119.98</b> EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE SPACE RESEARCH (passive)	<b>116 - 122</b> TO BE PLANNED	<b>116 - 122</b>	See note "I"
<b>119.98 - 120.02</b> EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE SPACE RESEARCH (passive)			
<b>120.02 - 122.25</b> EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE SPACE RESEARCH (passive) [2]			
<b>122.25 - 123</b> FIXED INTER-SATELLITE MOBILE Amateur [2]	<b>122 - 123</b> INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)	<b>122 - 123</b> (a) Industrial, Scientific and Medical (ISM) Equipment	(a) See note "B"
<b>123 - 126</b> FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) RADIONAVIGATION RADIONAVIGATION-SATELLITE Radio astronomy	<b>123 - 126</b> TO BE PLANNED	<b>123 - 126</b>	See note "I"

[1] All emissions in the frequency band 114.25 - 116 GHz are prohibited.

[2] The frequency band 122 - 123 GHz (centre frequency 122.5 GHz) is designated for industrial, scientific and medical (ISM) applications.

GHz  
126 - 148.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>126 - 130</b> FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) RADIONAVIGATION RADIONAVIGATION-SATELLITE Radio astronomy	<b>126 - 148.5</b> TO BE PLANNED	<b>126 - 148.5</b>	See note "I"
<b>130 - 134</b> EARTH EXPLORATION-SATELLITE (active) FIXED INTER-SATELLITE MOBILE RADIO ASTRONOMY			
<b>134 - 136</b> AMATEUR AMATEUR-SATELLITE Radio astronomy			
<b>136 - 141</b> RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite			
<b>141 - 148.5</b> FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION			

GHz  
148.5 - 168

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>148.5 - 151.5</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>148.5 - 151.5</b> ALL EMISSIONS PROHIBITED	<b>148.5 - 151.5</b> (a) All emissions prohibited	(a) See note "A"
<b>151.5 - 155.5</b> FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION	<b>151.5 - 164</b> TO BE PLANNED	<b>151.5 - 164</b>	See note "I"
<b>155.5 - 158.5</b> FIXED MOBILE RADIO ASTRONOMY			
<b>158.5 - 164</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth)			
<b>164 - 167</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>164 - 167</b> ALL EMISSIONS PROHIBITED	<b>164 - 167</b> (a) All emissions prohibited	(a) See note "A"
<b>167 - 168</b> FIXED FIXED-SATELLITE (space-to-Earth) INTER-SATELLITE MOBILE	<b>167 - 168</b> TO BE PLANNED	<b>167 - 168</b>	See note "I"

[1] All emissions in the frequency bands 148.5 - 151.5 GHz and 164 - 167 GHz are prohibited.

GHz  
168 - 190

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>168 - 170</b> FIXED FIXED-SATELLITE (space-to-Earth) INTER-SATELLITE MOBILE	<b>168 - 182</b> TO BE PLANNED	<b>168 - 182</b>	See note "I"
<b>170 - 174.5</b> FIXED FIXED-SATELLITE (space-to-Earth) INTER-SATELLITE MOBILE			
<b>174.5 - 174.8</b> FIXED INTER-SATELLITE MOBILE			
<b>174.8 - 182</b> EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE SPACE RESEARCH (passive)			
<b>182 - 185</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>182 - 185</b> ALL EMISSIONS PROHIBITED	<b>182 - 185</b> (a) All emissions prohibited	(a) See note "A"
<b>185 - 190</b> EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE SPACE RESEARCH (passive)	<b>185 - 190</b> TO BE PLANNED	<b>185 - 190</b>	See note "I"

[1] All emissions in the frequency bands 182 - 185 GHz are prohibited.

GHz  
190 - 200

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>190 - 191.8</b> EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive) [1]	<b>190 - 191.8</b> ALL EMISSIONS PROHIBITED	<b>190 - 191.8</b> (a) All emissions prohibited	(a) See note "A"
<b>191.8 - 200</b> FIXED INTER-SATELLITE MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE	<b>191.8 - 200</b> TO BE PLANNED	<b>191.8 - 200</b>	See note "T"

[1] All emissions in the frequency bands 190 - 191.8 GHz are prohibited.

GHz  
200 - 232

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>200 - 209</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>200 - 209</b> ALL EMISSIONS PROHIBITED	<b>200 - 209</b> (a) All emissions prohibited	(a) See note "A"
<b>209 - 217</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIO ASTRONOMY	<b>209 - 226</b> TO BE PLANNED	<b>209 - 226</b>	See note "I"
<b>217 - 226</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIO ASTRONOMY SPACE RESEARCH (passive)			
<b>226 - 231.5</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>226 - 231.5</b> ALL EMISSIONS PROHIBITED	<b>226 - 231.5</b> (a) All emissions prohibited	(a) See note "A"
<b>231.5 - 232</b> FIXED MOBILE Radiolocation	<b>231.5 - 232</b> TO BE PLANNED	<b>231.5 - 232</b>	See note "I"

[1] All emissions in the frequency bands 200 - 209 GHz and 226 - 231.5 GHz are prohibited.

GHz  
232 - 241

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>232 - 235</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Radiolocation	<b>232 - 241</b> TO BE PLANNED	<b>232 - 241</b>	See note "I"
* <b>235 - 238</b> EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (passive)			
<b>238 - 239.2</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE			
* <b>239.2 - 240</b> EARTH EXPLORATION-SATELLITE (passive) FIXED-SATELLITE (space-to-Earth) RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE			
* <b>240 - 241</b> EARTH EXPLORATION-SATELLITE (passive) RADIOLOCATION			

GHz  
241 - 250

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
* <b>241 - 242.2</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite [1]	<b>241 - 244</b> TO BE PLANNED	<b>241 - 244</b>	See note "I"
<b>242.2 - 244.2</b> RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite [1]			
* <b>244.2 - 247.2</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite [1]	<b>244 - 246</b> INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)	<b>244 - 246</b> (a) Industrial, Scientific and Medical (ISM) Equipment	(a) See note "B"
<b>247.2 - 248</b> RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite [1]	<b>246 - 250</b> TO BE PLANNED	<b>246 - 250</b>	See note "I"
<b>248 - 250</b> AMATEUR AMATEUR-SATELLITE Radio astronomy			

[1] The frequency band 244 - 246 GHz (centre frequency 245 GHz) is designated for industrial, scientific and medical (ISM) applications.

GHz  
250 - 3000

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<b>250 - 252</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	<b>250 - 252</b> ALL EMISSIONS PROHIBITED	<b>250 - 252</b> (a) All emissions prohibited	(a) See note "A"
<b>252 - 265</b> FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY RADIONAVIGATION RADIONAVIGATION-SATELLITE	<b>252 - 3000</b> TO BE PLANNED	<b>252 - 3000</b>	See note "I"
<b>265 - 275</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIO ASTRONOMY			
<b>275 - 3000</b> (Not allocated)			

[1] All emissions in the frequency bands 250 - 252 GHz are prohibited.

**ANNEX I**

REVISION OF

REGION 3 ALLOCATIONS

## REVISION TO FREQUENCY ALLOCATIONS IN REGION 3

**Before WRC-23 Decisions in force**

**After WRC-23 Decisions enter into force  
on 1 January 2025**

### **40 – 50 MHz**

<b>40 – 40.02</b> FIXED MOBILE Space research	<b>40 – 40.02</b> FIXED MOBILE Earth exploration-satellite (active) Space research
<b>40.02 – 40.98</b> FIXED MOBILE	<b>40.02 – 40.98</b> FIXED MOBILE Earth exploration-satellite (active)
<b>40.98 – 41.015</b> FIXED MOBILE Space research	<b>40.98 – 41.015</b> FIXED MOBILE Earth exploration-satellite (active) Space research
<b>41.015 – 45.5</b> FIXED MOBILE	<b>41.015 – 45.5</b> FIXED MOBILE Earth exploration-satellite (active)
<b>45.5 – 47</b> FIXED MOBILE	<b>45.5 – 47</b> FIXED MOBILE Earth exploration-satellite (active)
<b>47 – 50</b> FIXED MOBILE BROADCASTING	<b>47 – 50</b> FIXED MOBILE BROADCASTING Earth exploration-satellite (active)

### **117.975 – 137 MHz**

<b>117.975 – 137</b> AERONAUTICAL MOBILE (R)	<b>117.975 – 137</b> AERONAUTICAL MOBILE (R) AERONAUTICAL MOBILE-SATELLITE (R)
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### **14.8 – 15.35 GHz**

<b>14.8 – 15.35</b> FIXED MOBILE Space research	<b>14.8 – 15.35</b> FIXED MOBILE SPACE RESEARCH
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**Before WRC-23 Decisions in force****After WRC-23 Decisions enter into force  
on 1 January 2025****18.1 – 18.6 GHz**

<b>18.1 – 18.4</b> FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) MOBILE	<b>18.1 – 18.4</b> FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) INTER-SATELLITE MOBILE
<b>18.4 – 18.6</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	<b>18.4 – 18.6</b> FIXED FIXED-SATELLITE (space-to-Earth) INTER-SATELLITE MOBILE

**18.8 – 20.2 GHz**

<b>18.8 – 19.3</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	<b>18.8 – 19.3</b> FIXED FIXED-SATELLITE (space-to-Earth) INTER-SATELLITE MOBILE
<b>19.3 – 19.7</b> FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) MOBILE	<b>19.3 – 19.7</b> FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) INTER-SATELLITE MOBILE
<b>19.7 – 20.1</b> FIXED-SATELLITE (space-to-Earth) Mobile-satellite (space-to-Earth)	<b>19.7 – 20.1</b> FIXED-SATELLITE (space-to-Earth) INTER-SATELLITE Mobile-satellite (space-to-Earth)
<b>20.1 – 20.2</b> FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth)	<b>20.1 – 20.2</b> FIXED-SATELLITE (space-to-Earth) INTER-SATELLITE MOBILE-SATELLITE (space-to-Earth)

**27.5 – 30 GHz**

<b>27.5 – 28.5</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	<b>27.5 – 28.5</b> FIXED FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE MOBILE
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**Before WRC-23 Decisions in force**

**After WRC-23 Decisions enter into force  
on 1 January 2025**

<p><b>28.5 – 29.5</b> FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Earth exploration-satellite (Earth-to-space)</p>	<p><b>28.5 – 29.5</b> FIXED FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE MOBILE Earth exploration-satellite (Earth-to-space)</p>
<p><b>29.5 – 29.9</b> FIXED-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) Mobile-satellite (Earth-to-space)</p>	<p><b>29.5 – 29.9</b> FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE Earth exploration-satellite (Earth-to-space) Mobile-satellite (Earth-to-space)</p>
<p><b>29.9 – 30</b> FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space)</p>	<p><b>29.9 – 30</b> FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space)</p>

**235 – 248 GHz**

<p><b>235 – 238</b> EARTH EXPLORATION-SATELLITE (passive) FIXED-SATELLITE (space-to-Earth) SPACE RESEARCH (passive)</p>	<p><b>235 – 238</b> EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (passive)</p>
<p><b>238 – 240</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE</p>	<p><b>238 – 239.2</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE</p> <p><b>239.2 - 240</b> EARTH EXPLORATION-SATELLITE (passive) FIXED-SATELLITE (space-to-Earth) RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE</p>
<p><b>240 – 241</b> FIXED MOBILE RADIOLOCATION</p>	<p><b>240 – 241</b> EARTH EXPLORATION-SATELLITE (passive) RADIOLOCATION</p>

**Before WRC-23 Decisions in force**

**After WRC-23 Decisions enter into force  
on 1 January 2025**

<p><b>241 – 248</b> RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite</p>	<p><b>241 – 242.2</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite</p>
	<p><b>242.2 – 244.2</b> RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite</p>
	<p><b>244.2 – 247.2</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite</p>
	<p><b>247.2 – 248</b> RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite</p>

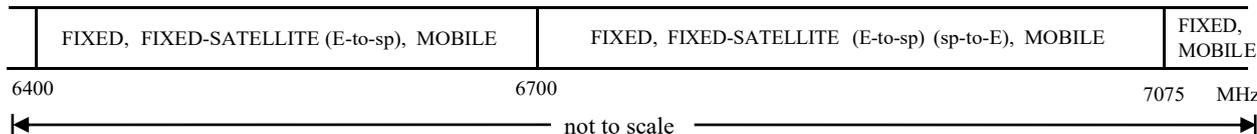
## ANNEX II

### CHANNEL ARRANGEMENTS FOR FIXED SERVICE

# 6.4 - 7.1 GHz

( Rec. ITU-R F.384 -11)

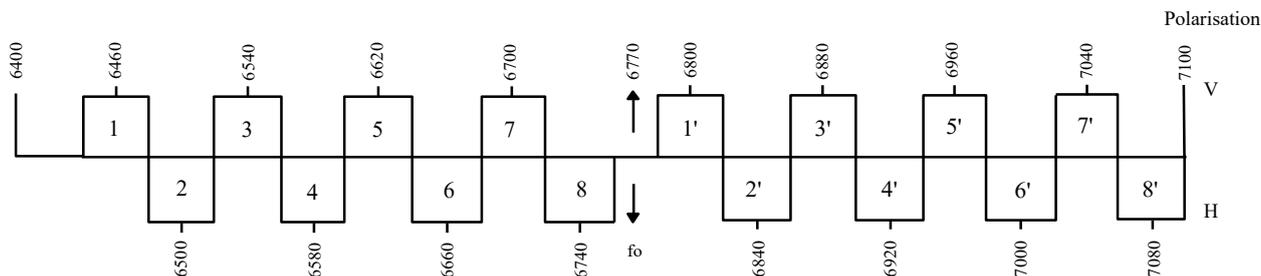
RR Allocation



HK Allocation



Channel Arrangement ( ch. width 40 MHz )

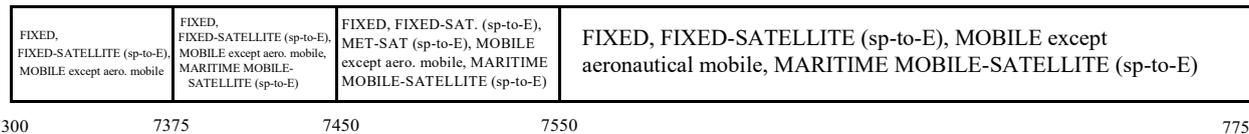


Annex II-1

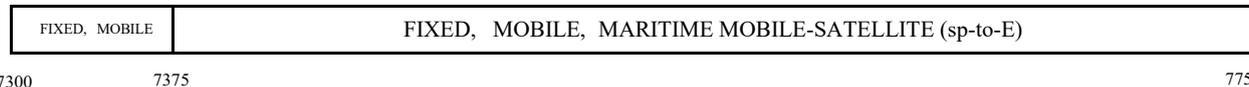
# 7.42 - 7.75 GHz

( Rec. ITU-R F.385-10 )

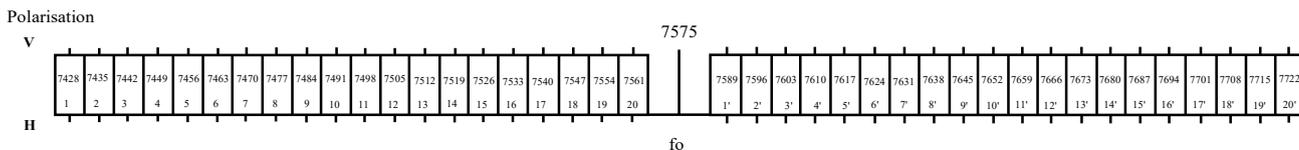
RR Allocation



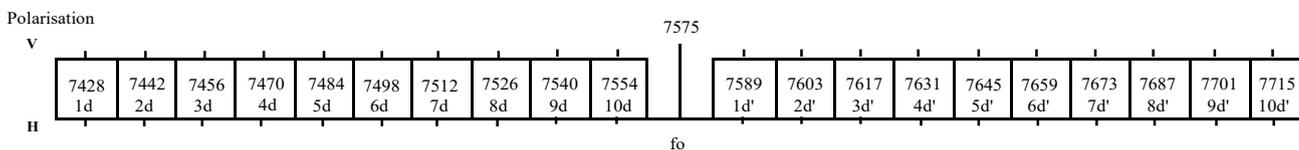
HK Allocation



Channel Arrangement ( ch. width 7 MHz )

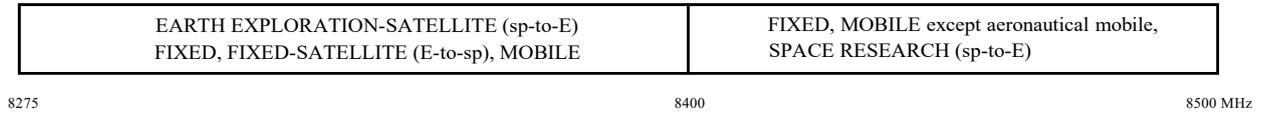


Channel Arrangement ( ch. width 14 MHz )

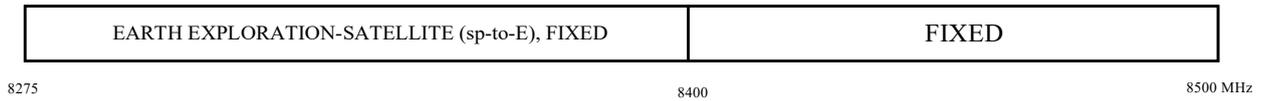


# 8.275 - 8.5 GHz

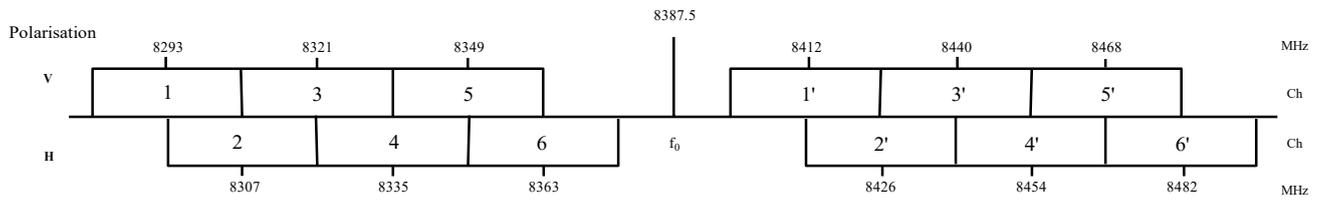
## RR Allocation



## HK Allocation

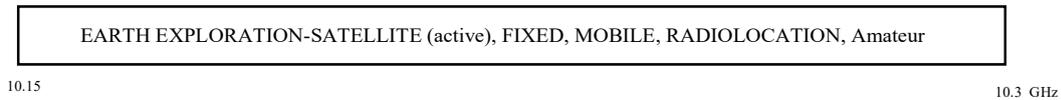


## Channel arrangement (ch. width 28 MHz)



# 10.15 - 10.3 GHz

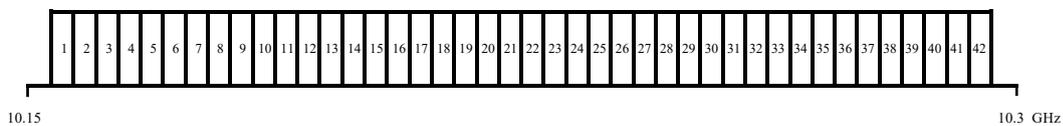
## RR Allocation



## HK Allocation



## Paired Channels (CEPT/ERC Rec. 12-05E) Channel Arrangement in Lower Block (ch. width 3.5 MHz)



# 10.5 - 10.68 GHz

## RR Allocation

FIXED, MOBILE, RADIOLOCATION	FIXED, MOBILE except aero. mobile, Radiolocation	EARTH EXPLORATION-SATELLITE (passive), FIXED, MOBILE except aeronautical mobile, RADIO ASTRONOMY, SPACE RESEARCH (passive), Radiolocation
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10.5 10.55 10.6 10.68 GHz

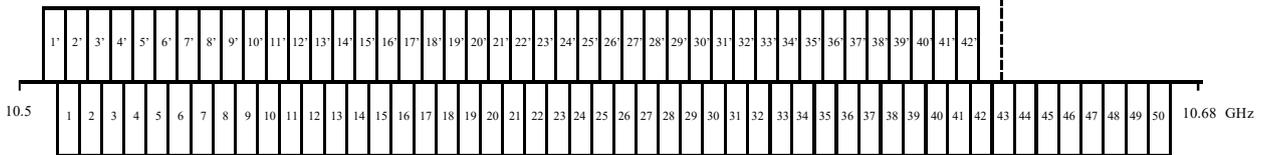
## HK Allocation

FIXED, RADIOLOCATION
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10.5 10.65 10.68 GHz

### Paired Channels (CEPT/ERC Rec. 12-05E)

Channel Arrangement in Upper Block (ch. width 3.5 MHz)



### Interleaved SFX Channels (Rec. ITU-R F.747-1)

Channel Arrangement (ch. width 3.5 MHz)

#### Paired Channels (CEPT/ERC Rec. 12-05E)

$f_n = 10,148.75 + 3.5n$  MHz  
 $f'_n = 10,498.75 + 3.5n$  MHz  
 $n = 1, 2, \dots, 42$

#### Interleaved SFX Channels (Rec. ITU-R F.747-1)

$f_m = 10,500.5 + 3.5m$  MHz  
 $m = 1, 2, \dots, 50$

# 10.7 - 11.7 GHz

( Rec. ITU-R F.387-13 )

## RR Allocation

FIXED, FIXED-SATELLITE (sp-to-E), MOBILE except aeronautical mobile
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10.7 11.7 GHz

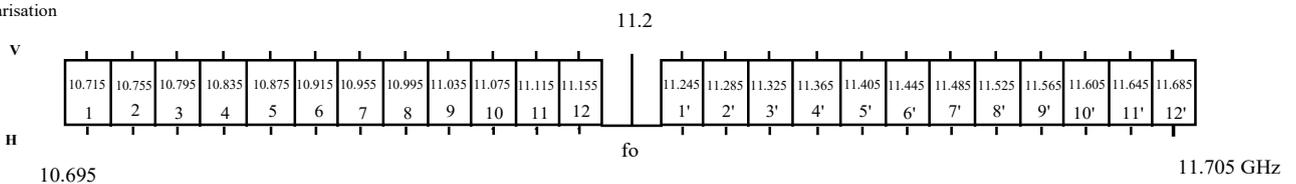
## HK Allocation

FIXED, FIXED-SATELLITE (sp-to-E)
----------------------------------

10.7 11.7 GHz

Channel Arrangement ( ch. width 40 MHz )

Polarisation



# 12.75 - 13.25 GHz

( Rec. ITU-R F.497-7 )

## RR Allocation

FIXED, FIXED-SATELLITE (E-to-sp), MOBILE, Space research (deep space)(sp-to-E)

12.75

13.25 GHz

## HK Allocation

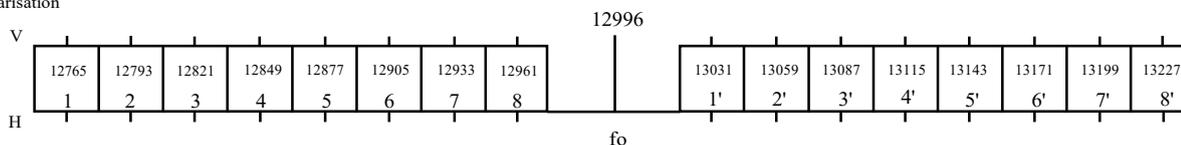
FIXED, FIXED-SATELLITE (E-to-sp), MOBILE

12.75

13.25 GHz

## Channel Arrangement ( ch. width 28 MHz )

Polarisation



Annex II-4

# 14.4 - 15.35 GHz

( Rec. ITU-R F.636-5 )

## RR Allocation

FIXED, FIXED-SAT. (E-to-sp), MOBILE except aero. mobile, Mobile-satellite (E-to-sp), Space research (sp-to-E)	FIXED, FIXED-SAT. (E-to-sp), MOBILE except aero. mobile, Mobile-satellite (E-to-sp), Radio astronomy	FIXED, FIXED-SATELLITE (E-to-sp), MOBILE, Space research	FIXED, MOBILE, SPACE RESEARCH
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14.4

14.47

14.50

14.80

15.35 GHz

not to scale

## HK Allocation

FIXED, FIXED-SATELLITE (E-to-sp), MOBILE, Mobile-satellite (E-to-sp)	FIXED, FIXED-SATELLITE (E-to-sp), MOBILE	FIXED, MOBILE
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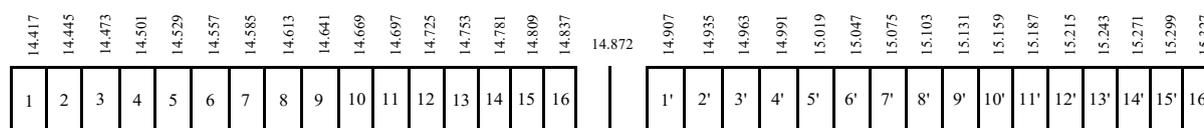
14.4

14.50

14.80

15.35 GHz

## Channel Arrangement ( ch. width 28 MHz )



14.403

15.341 GHz

# 17.7 - 19.7 GHz

( Rec. ITU-R F.595-11 )

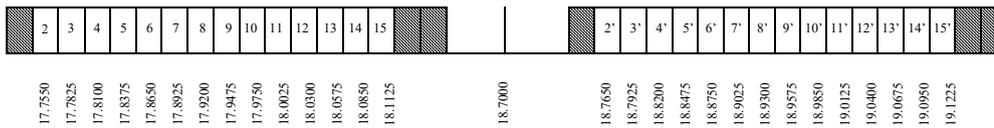
## RR Allocation

FIXED, FIXED-SATELLITE (sp-to-E) (E-to-sp), MOBILE	FIXED, FIXED-SATELLITE (sp-to-E) (E-to-sp), INTER-SATELLITE, MOBILE	FIXED, FIXED-SATELLITE (sp-to-E), INTER-SATELLITE, MOBILE	EARTH EXPLORATION-SATELLITE (passive), FIXED, FIXED-SATELLITE (sp-to-E), MOBILE except aeronautical mobile, Space Research (passive)	FIXED, FIXED-SATELLITE (sp-to-E), INTER-SATELLITE, MOBILE	FIXED, FIXED-SATELLITE (sp-to-E) (E-to-sp), INTER-SATELLITE, MOBILE
17.7	18.1	18.4	18.6	18.8	19.3
19.7 GHz					

## HK Allocation

FIXED, FIXED-SATELLITE (sp-to-E) (E-to-sp)	FIXED, FIXED-SATELLITE (sp-to-E) (E-to-sp), INTER-SATELLITE	FIXED, FIXED-SATELLITE (sp-to-E), INTER-SATELLITE	FIXED, FIXED-SATELLITE (sp-to-E)	FIXED, FIXED-SATELLITE (sp-to-E), INTER-SATELLITE	FIXED, FIXED-SATELLITE (sp-to-E) (E-to-sp), INTER-SATELLITE
17.7	18.1	18.4	18.6	18.8	19.3
19.7 GHz					

## Channel Arrangement (ch. width 27.5 MHz)



# 21 - 23 GHz

( Rec. ITU-R F.637-5 )

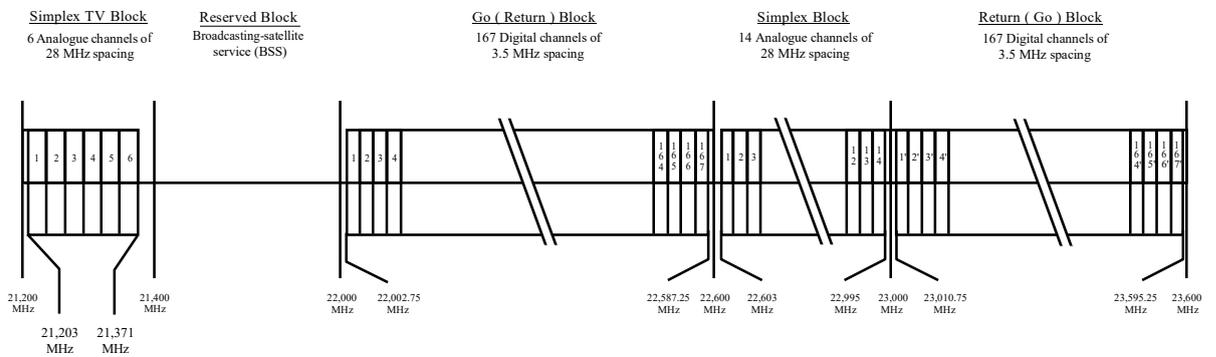
## RR Allocation

EARTH EXPLORATION-SATELLITE (passive), FIXED, MOBILE, SPACE RESEARCH (passive)	FIXED, MOBILE, BROADCASTING-SATELLITE	FIXED, MOBILE except aeronautical mobile	EARTH EXPLORATION-SAT (passive), FIXED, MOBILE except aeronautical mobile, RADIO ASTRONOMY, SPACE-RESEARCH (passive)	FIXED, MOBILE	FIXED, INTER-SATELLITE, MOBILE, SPACE RESEARCH (E-to-sp)	FIXED, INTER-SATELLITE, MOBILE	FIXED, MOBILE	
21.2	21.4	22.0	22.21	22.5	22.55	23.15	23.55	23.6 GHz

## HK Allocation

FIXED	BROADCASTING-SATELLITE	FIXED	
21.2	21.4	22.0	23.6 GHz

## Frequency Blocks



Annex II-6

Assignment of 3.5 MHz channels

$$f_m = 22,001 + 3.5m \text{ (MHz)}$$

$$m = 1, 2, 3, \dots, 167$$

$$f_{m'} = 23,009 + 3.5m' \text{ (MHz)}$$

$$m' = 1, 2, 3, \dots, 167$$

Assignment of 7 MHz channels

$$f_n = 22,004.5 + 7n \text{ (MHz)}$$

$$n = 1, 2, 3, \dots, 83$$

$$f_{n'} = 23,012.5 + 7n' \text{ (MHz)}$$

$$n' = 1, 2, 3, \dots, 83$$

Assignment of 14 MHz channels

$$f_p = 22,001 + 14p \text{ (MHz)}$$

$$p = 1, 2, 3, \dots, 41$$

$$f_{p'} = 23,009 + 14p' \text{ (MHz)}$$

$$p' = 1, 2, 3, \dots, 41$$

Assignment of 28 MHz channels

$$f_s = 21,189 + 28s$$

$$s = 1, 2, \dots, 6$$

$$f_q = 21,994 + 28q \text{ (MHz)}$$

$$q = 1, 2, 3, \dots, 20$$

$$f_t = 22,589 + 28t$$

$$t = 1, 2, \dots, 14$$

$$f_{q'} = 23,002 + 28q' \text{ (MHz)}$$

$$q' = 1, 2, 3, \dots, 20$$

# 38 GHz

(Rec. ITU-R F.749-4)

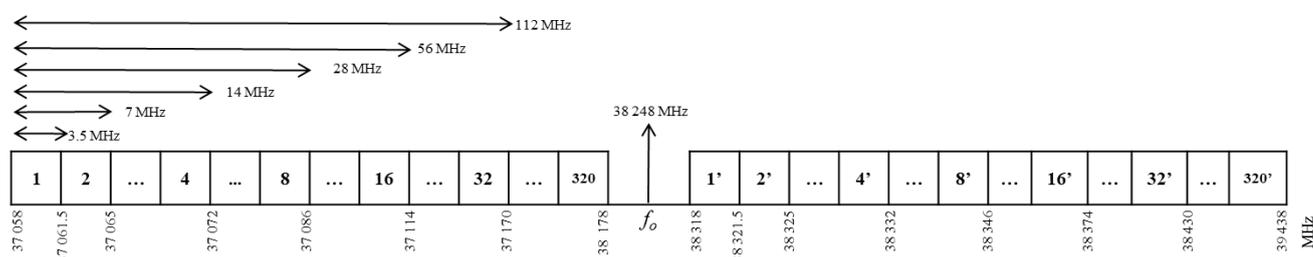
## RR Allocation

FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth)	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth) Earth Exploration-Satellite (space-to-Earth)	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Earth Exploration-Satellite (space-to-Earth)
37	37.5	38
		39.5 GHz

## HK Allocation

FIXED MOBILE except aeronautical mobile	FIXED MOBILE
37	38
39.5 GHz	

## Channel arrangement



	Centre Frequency (MHz)	
Assignment of 3.5 MHz channels	$f_n = f_o - 1191.75 + 3.5n$ where $n=1, 2, 3, \dots, 320$	$f'_n = f_o + 68.25 + 3.5n$ where $n=1, 2, 3, \dots, 320$
Assignment of 7 MHz channels	$f_n = f_o - 1193.5 + 7n$ where $n=1, 2, 3, \dots, 160$	$f'_n = f_o + 66.5 + 7n$ where $n=1, 2, 3, \dots, 160$
Assignment of 14 MHz channels	$f_n = f_o - 1197 + 14n$ where $n=1, 2, 3, \dots, 80$	$f'_n = f_o + 63 + 14n$ where $n=1, 2, 3, \dots, 80$
Assignment of 28 MHz channels	$f_n = f_o - 1204 + 28n$ where $n=1, 2, 3, \dots, 40$	$f'_n = f_o + 56 + 28n$ where $n=1, 2, 3, \dots, 40$
Assignment of 56 MHz channels	$f_n = f_o - 1218 + 56n$ where $n=1, 2, 3, \dots, 20$	$f'_n = f_o + 42 + 56n$ where $n=1, 2, 3, \dots, 20$
Assignment of 112 MHz channels	$f_n = f_o - 1246 + 112n$ where $n=1, 2, 3, \dots, 10$	$f'_n = f_o + 14 + 112n$ where $n=1, 2, 3, \dots, 10$

$$f_o = 38\,248$$