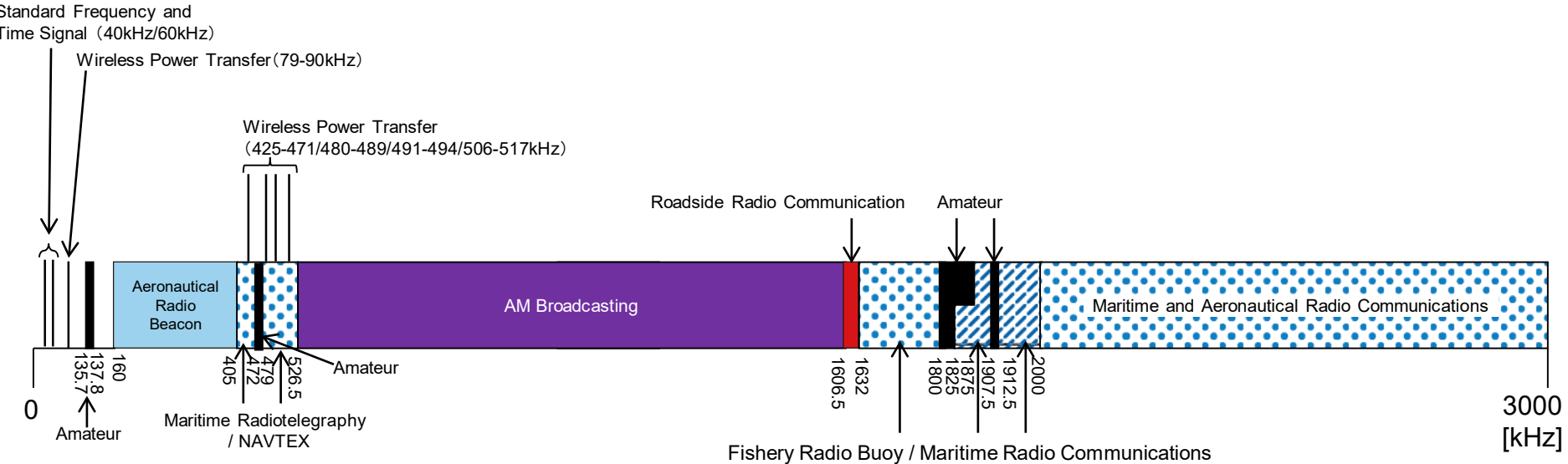


Current Situation of Spectrum Use in Japan

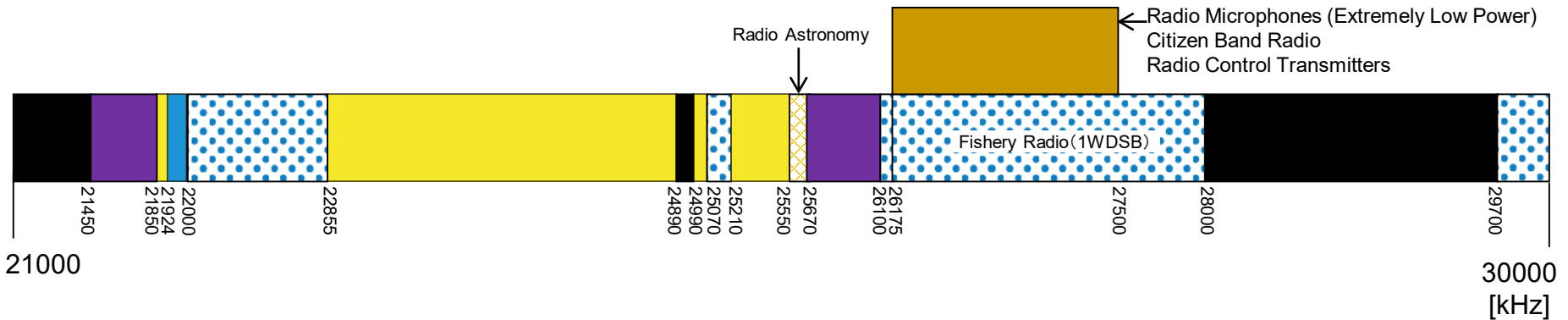
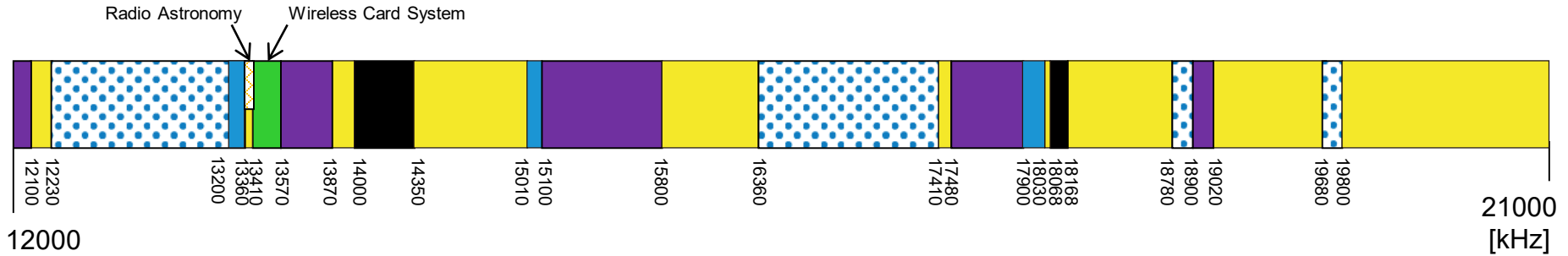
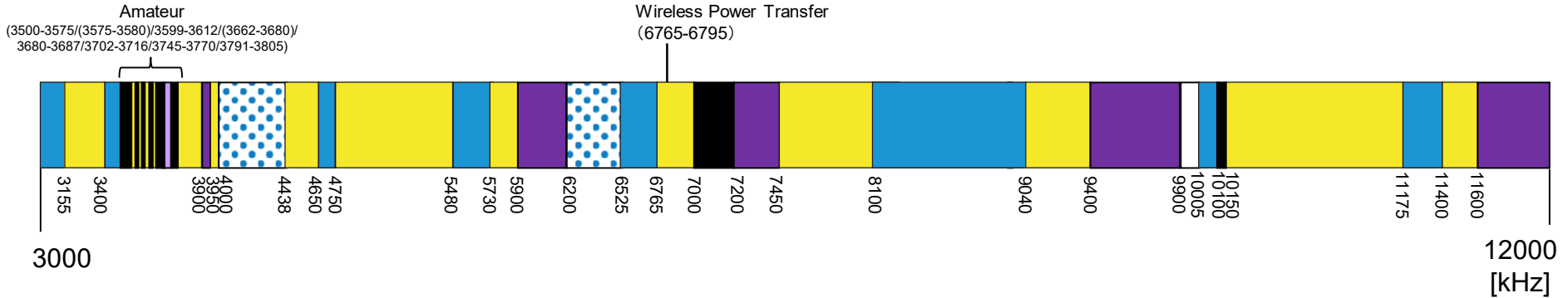
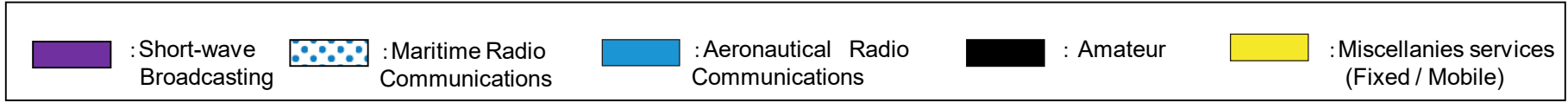
March 2022

Ministry of Internal Affairs
and Communications

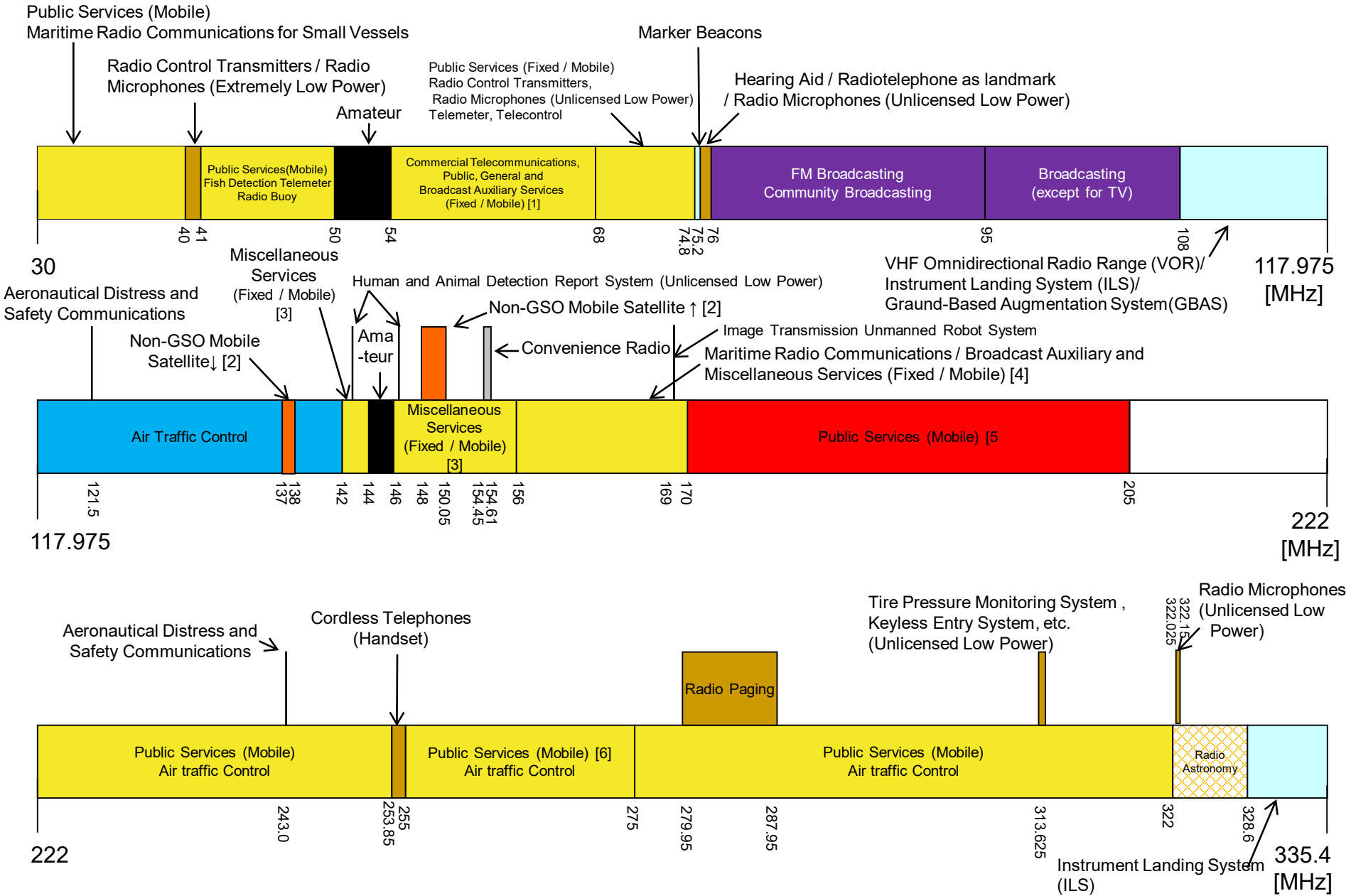
Below 3000kHz



3000kHz ~ 30000kHz



30MHz ~ 335.4MHz

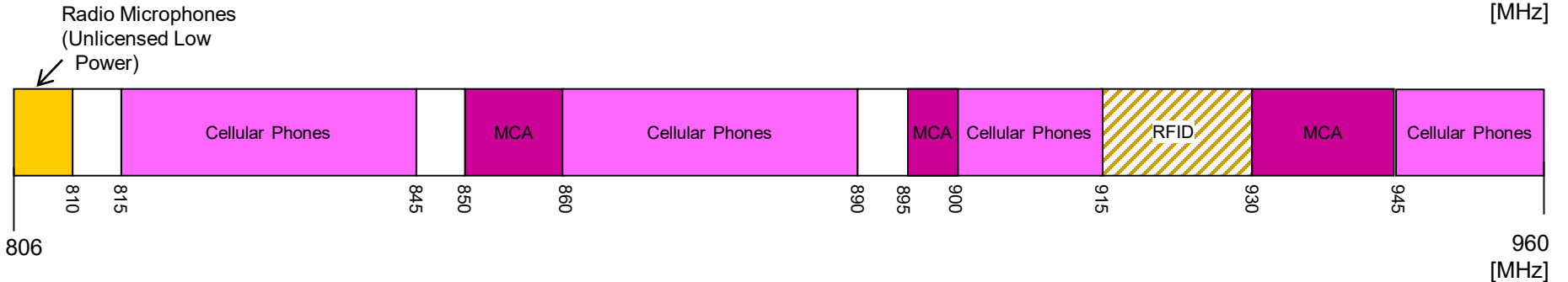
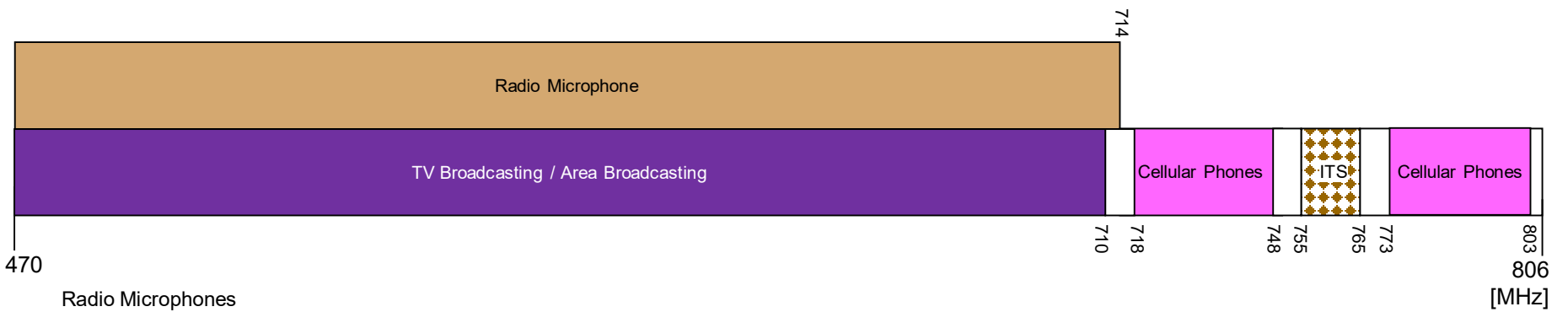
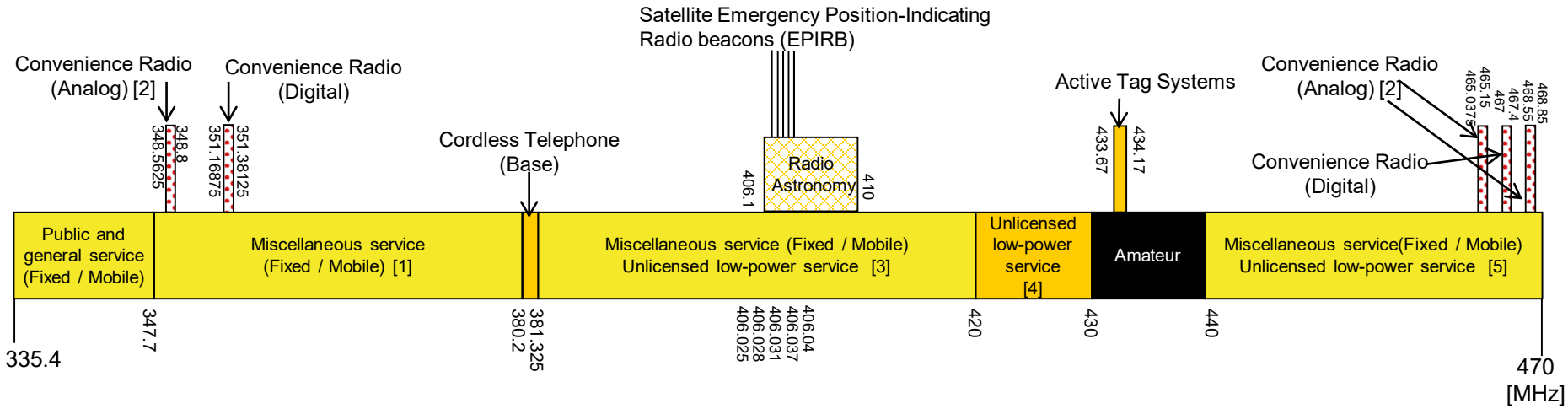


Supplementary Information on Situation of Spectrum Use

【30 - 335.4MHz】

No.	Frequency Band (MHz)	Principal Use
[1]	54 - 68	Disaster prevention radio communications by the national government and local governments Aural program transmission by broadcasters
[2]	137 - 138, 148 - 150.05	Mobile satellite communications using Low Earth Orbit satellites (Orbcomm)
[3]	142-144, 146 - 156	Public services by the national government and local governments and public institutions for electricity, gas, transportation, etc. Miscellaneous services by private companies
[4]	156 - 170	Public services by the national government and the public institutions for transportation, etc. Aural program transmission by broadcasters Maritime radio communications Miscellaneous services by private companies
[5]	170 - 205	Public broadband mobile communication systems
[6]	255 - 275	Public digital mobile communication systems for disaster prevention and administrative services by local governments, etc.

335.4MHz~960MHz

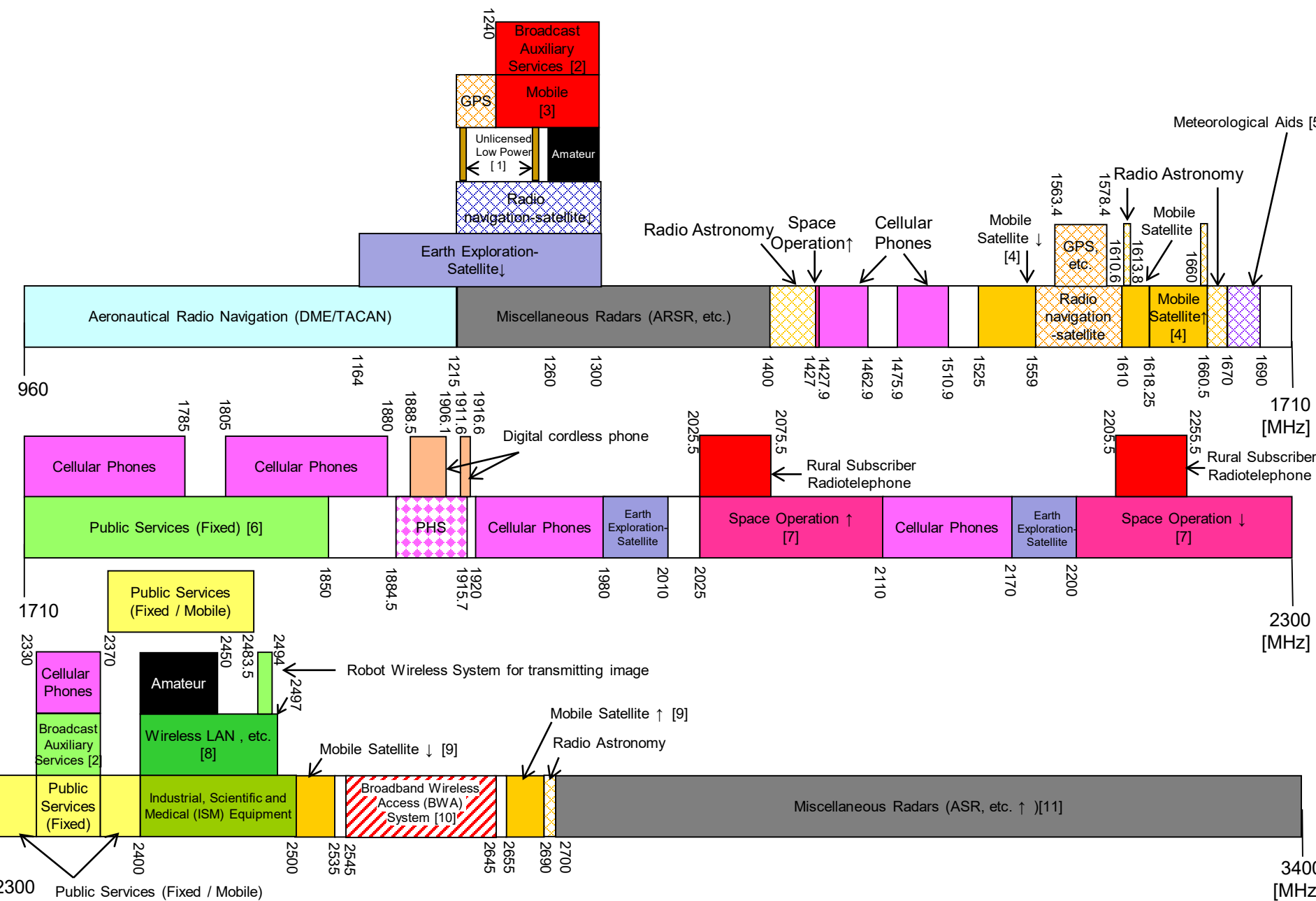


Supplementary Information on Situation of Spectrum Use

【335.4 - 960 MHz】

No.	Frequency Band (MHz)	Principal Use
[1]	347.7 - 380.2	Public services by the national government, local governments and public institutions for electricity, gas, transportation, etc.
[2]	348.5625 - 348.8 465.0375 – 465.15 468.55 – 468.85	Analog Convenience Radio. The use is allowed only until 30 November 2024.
[3]	381.3 - 420	<p>(1) Digital airport radio / Anti-Disaster Emergency Radio Telephones by NTT East and West / Public services by the national government, local governments and public institutions for transportation / Miscellaneous services by private companies</p> <p>(2) Unlicensed low power stations such as implantable medical data transmission equipment</p> <p>(3) Radio sondes and radio robots for Meteorological observation</p>
[4]	420 - 430	Unlicensed low power stations such as radiophones, data transmission equipment and medical telemeters
[5]	440 - 470	<p>(1) Cargo/passenger transportation services including taxi, railway and bus radios / Anti-Disaster Emergency Radio Telephones by NTT East and West / Aural program transmission by broadcasters</p> <p>(2) Unlicensed low power stations such as radiophones, data transmission equipment and medical telemeters</p>

960MHz ~ 3400MHz

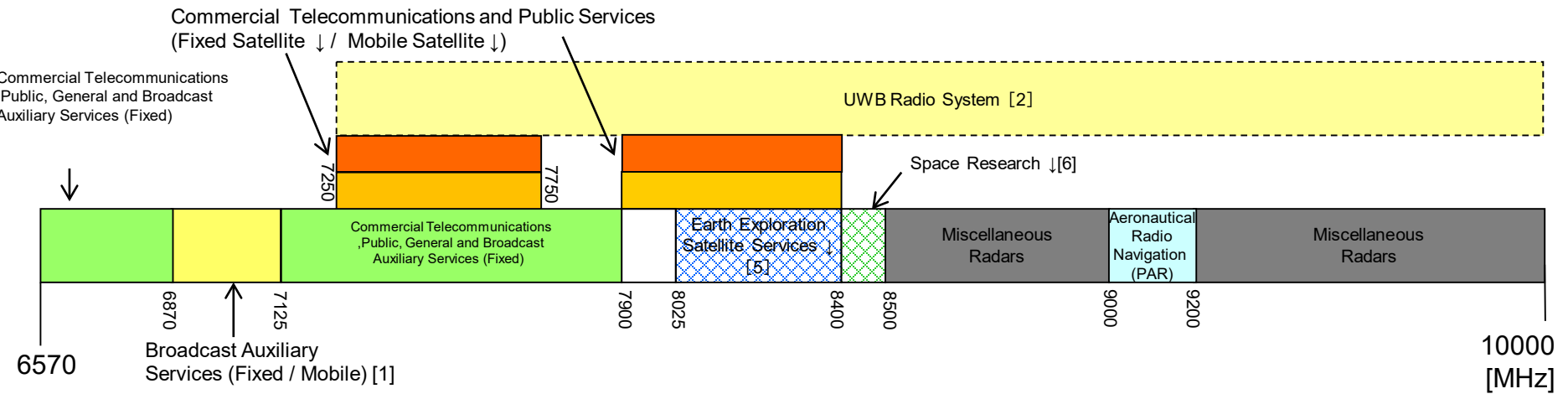
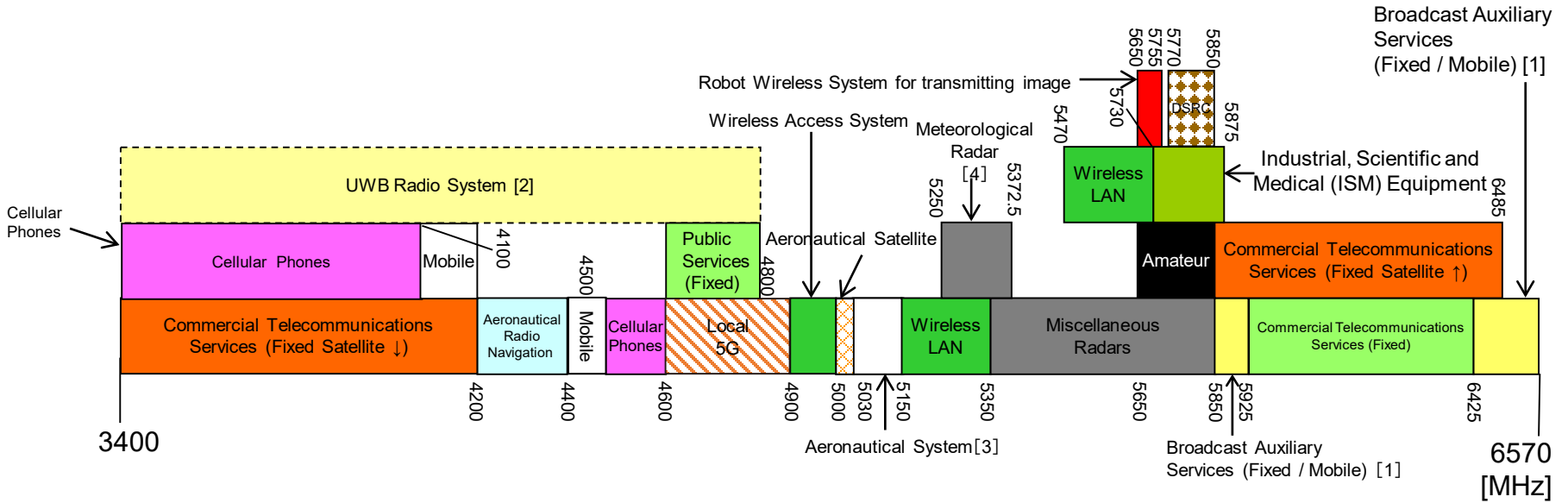


Supplementary Information on Situation of Spectrum Use

【960 - 3400 MHz】

No.	Frequency Band (MHz)	Principal Use
[1]	1216 - 1217, 1252 - 1253	Unlicensed low power stations such as implantable data transmission equipment
[2]	1240 - 1300, 2330 - 2370	TV program material transmission by broadcasters
[3]	1240 - 1260	Radio microphones
	1274 - 1289	Portable stations for image transmission
[4]	1525 - 1559, 1618.25 - 1660.5	Mobile satellite communications services by INMARSAT, etc.
[5]	1670 - 1690	Data transmission for the meteorological satellites and radio sondes
[6]	1710—1850	The use is allowed only until 31 March 2025
[7]	2025 - 2110, 2200 - 2300	Satellite control and rocket tracking
[8]	2400 - 2497	Wireless LAN etc. 2400-2483.5MHz : Low power data communication system, RFID 2471-2497MHz : Low power data communication system
[9]	2500 - 2535, 2655 – 2690	Mobile satellite communications services
[10]	2545 - 2645	2545 - 2575MHz and 2595 - 2645MHz bands are used for mobile communication in nation wide. 2575 - 2595MHz band is used for mobile/fixed communication in rural areas.
[11]	2700 - 3400	Radar for ship navigation etc.

3400MHz ~ 10000MHz

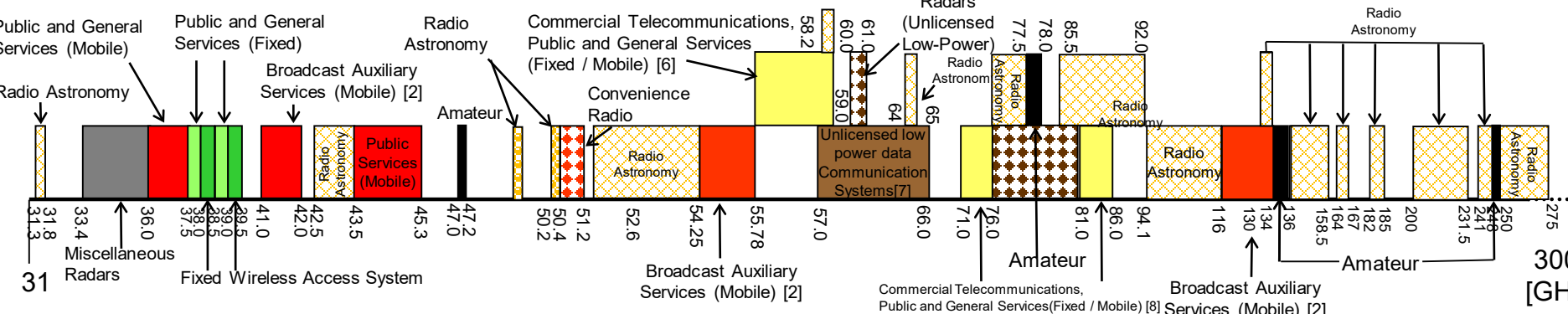
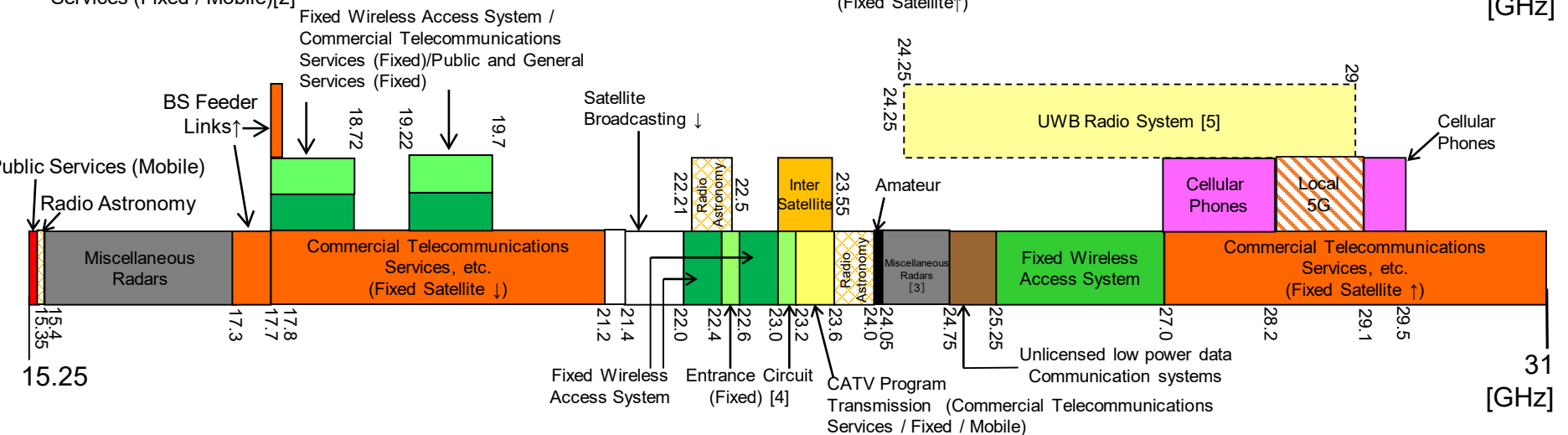
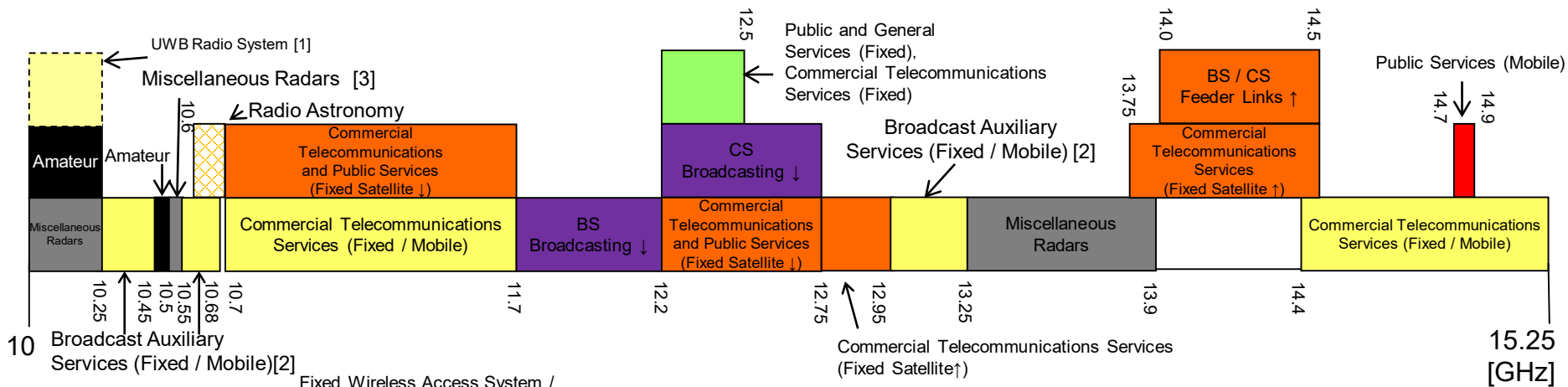


Supplementary Information on Situation of Spectrum Use

【3400 - 10000 MHz】

No.	Frequency Band (MHz)	Principal Use
[1]	5850 - 5925, 6425 - 6570 6870 - 7125	TV program transmission and TV program material transmission by broadcasters
[2]	3400 - 4800, 7250 - 10250	Used for large-capacity data transmission limited to indoor use (7587-8400MHz is available outdoor use except in the sky)
[3]	5030 - 5150	Reserved for the international standardized aeronautical systems
[4]	5250 - 5372.5	Meteorological radars for public institutions, etc.
[5]	8025 - 8400	Data transmission from earth exploration satellites
[6]	8400 - 8500	Data transmission from scientific satellites

Above 10GHz



Supplementary Information on Situation of Spectrum Use

【Above 10 GHz】

No.	Frequency Band (GHz)	Principal Use
[1]	3.4 - 4.8, 7.25 - 10.25	Used for large-capacity data transmission limited to indoor use (7587-8400MHz is available outdoor use except in the sky)
[2]	10.25 - 10.45, 10.55 - 10.68 12.95 - 13.25, 41.0 - 42.0 54.25 - 55.78, 116-134	TV program material transmission by broadcasters
[3]	10.5 - 10.55, 24.05 - 24.25	Speed meters radars, etc.
[4]	22.4 - 22.6, 23.0 - 23.2	Fixed links between cellular phone switching centers and base stations
[5]	24.25 - 29	Vehicle radars for pre-crash safety systems
[6]	55.78 - 59.0	Broadband wireless transmission systems
[7]	57.0 - 68.0	Unlicensed low power data Communication systems, Sensor for detecting or measuring mobile objects
[8]	71.0 - 76.0, 81.0 - 86.0	80 GHz band high-speed wireless transmission systems