

CLASS ASSIGNMENT NO. 2 OF 2019

Malaysian Communications and Multimedia Commission

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CLASS ASSIGNMENT NO. 2 OF 2019

Class Assignments

IN exercise of the powers conferred by section 169 of the Communications and Multimedia Act 1998 [*Act 588*] ("Act"), the Commission issues class assignments which confers rights on any person to use the frequency bands for the following devices:

- (1) mobile and broadband wireless access device as specified in the First Schedule;
- (2) short range radiocommunications device ("SRD") as specified in the Second Schedule;
- (3) leased channel radio access device as specified in the Third Schedule;
- (4) trunked radio access device as specified in the Fourth Schedule;
- (5) personal radio service ("PRS") device as specified in the Fifth Schedule;
- (6) cordless telephone device as specified in the Sixth Schedule;
- (7) two-way radio pager access device as specified in the Seventh Schedule;
- (8) radio telemetry access device as specified in the Eighth Schedule;
- (9) very small aperture terminal ("VSAT") as specified in the Ninth Schedule;
- (10) infrared device as specified in the Tenth Schedule;
- (11) remote controlled device as specified in the Eleventh Schedule;
- (12) security device as specified in the Twelfth Schedule;
- (13) wireless microphone device as specified in the Thirteenth Schedule;
- (14) free space optics ("FSO") device as specified in the Fourteenth Schedule;
- (15) industrial, scientific and medical ("ISM") device as specified in the Fifteenth Schedule:
- (16) radio frequency identification device ("RFID") as specified in the Sixteenth Schedule;
- (17) active medical implant as specified in the Seventeenth Schedule;
- (18) aeronautical mobile telemetry access device as specified in Eighteenth Schedule;
- (19) mobile satellite access device as specified in the Nineteenth Schedule;
- (20) satellite broadcasting receiver device as specified in the Twentieth Schedule;
- (21) terrestrial television broadcasting receiver device as specified in the Twenty-first Schedule;

- (22) terrestrial radio broadcasting receiver device as specified in the Twenty-second Schedule;
- (23) one-way radio pager receiver device as specified in the Twenty-third Schedule;
- (24) satellite radionavigation receiver device as specified in the Twenty-fourth Schedule;
- (25) wireless closed circuit television ("CCTV") access device as specified in the Twenty-fifth Schedule;
- (26) ultra wide-band ("UWB") communication device as specified in the Twenty-sixth Schedule;
- (27) automotive radar device as specified in the Twenty-seventh Schedule;
- (28) inductive application device as specified in the Twenty-eighth Schedule; and
- (29) satellite broadcasting receiver device (Direct-to-Home by MYTV Broadcasting Sdn Bhd) as specified in the Twenty- ninth Schedule

Commencement

1. These class assignments come into operation on 18 December 2019.

Interpretation

2. (1) In the class assignments, unless the context otherwise requires-

"designated frequency bands" means the frequency bands which are specified in paragraph 2 of each of the schedules in the class assignments;

"International Convention for the Safety of Life at Sea" means the International Convention for the Safety of Life at Sea concluded in London in 1974 concerning the safety of life at sea, and includes any subsequent convention, to which the Government is a party, and if any amendment to the Convention comes into operation with respect to Malaysia, references in the class assignments shall, unless the context otherwise requires, be construed as references to the Convention as amended;

"International Telecommunication Convention" means the Constitution and Convention of the International Telecommunication Union signed in Geneva in 1992 relating to telecommunications, and includes any subsequent Constitution and Convention, to which the Government is a party, and it extends to any radiocommunications regulations made under the Constitution and the Convention; and if any amendment to the Constitution and the Convention comes into operation with respect to Malaysia, references in the class

assignments shall, unless the context otherwise requires, be construed as references to the Constitution and the Convention as amended; and

"the Commission" means the Malaysian Communications and Multimedia Commission.

(2) Any term used in the class assignments shall, unless the context otherwise requires, have the same meaning as in the Act or subsidiary legislation made under the Act.

Protection

3. The devices under the class assignments shall not be afforded protection from any radio frequency interference.

Conditions

- 4. (1) The following conditions shall apply to all class assignments that confer rights on any person to use the frequency bands for the devices as specified in each of the schedules in this class assignment:
 - (a) a person subject to a class assignment shall take all necessary steps to ensure that no major interference or harmful interference is caused to other radiocommunications services and devices;
 - (b) a person subject to a class assignment shall take all necessary steps to eliminate any minor interference, major interference or harmful interference, if such interference occurs;
 - (c) a person subject to a class assignment shall ensure that devices causing major interference or harmful interference to cease operation until such time as the major interference or harmful interference has been eliminated;
 - (d) a person subject to a class assignment shall ensure that no devices used or operated in that frequency band shall exceed the specified output powers, emission parameters or coverage area as approved for the class assignment without the prior written approval of the Commission;

- (e) a person subject to a class assignment shall ensure that the devices, its operation and arrangement comply with the requirements;
- (f) specifications, standards, plans and procedures decided by the Commission;
- (g) a person subject to a class assignment shall comply with the International Telecommunication Convention and the International Convention for the Safety of Life at Sea;
- (h) a person subject to a class assignment shall ensure that the devices comply with the Act and subsidiary legislation made under the Act and any mandatory standards registered by the Commission;
- (i) a person subject to a class assignment shall ensure that only devices certified by the Commission or its registered certifying agency under the Act and any subsidiary legislations made under the Act, shall be used or operated in the frequency band specified in the class assignments, and the certified devices shall bear a certification label as approved by the Commission; and
- (j) a person subject to a class assignment shall not operate a device contrary to the Act, any subsidiary legislations made under the Act, the Spectrum Plan or in such a way that endangers people, animals or equipment.
- (2) Notwithstanding subparagraph (1)(g) above, the devices under the Tenth, Twentieth, Twenty-first, Twenty-second and Twenty-third Schedules shall not be required to be certified unless the Commission issues standards or technical codes.
- (3) The conditions stipulated in subparagraph (1) above are subject to any revision, amendment or revocation by the Commission.

Other condition(s)

5. Use of device and frequency/ frequency band for the purpose other than specified in the schedules will require prior written approval from the Commission, on a case by case basis.

Certification of devices

- 6. (1) All devices which are required to be certified under the class assignments shall be certified by the Commission or its registered certifying agency in accordance with the Communications and Multimedia (Technical Standards) Regulations 2000.
 - (2) The devices shall be certified by way of:
 - (a) compliance approval; or
 - (b) special approval.
- (3) Compliance approval, which is also referred to as type approval, is granted to a specific model of a device which has been certified as compliant with the specified standards or technical codes.
- (4) Special approval may be granted to any device which is to be used exclusively by an applicant for any of the following purpose only:
 - (a) for the applicant's sole purpose;
 - (b) for trials;
 - (c) for market surveys, demonstration or exhibition;
 - (d) research and development; or
 - (e) training.
- (5) Any device which is granted with special approval may be used within defined parameters which may include location, technical specifications, time period, type or class of users or other conditions of usage as specified in the approval.
- (6) The list of standards which specifies the technical requirements for certification of devices are accessible from the Commission's website at https://www.mcmc.gov.my
- (7) The certification of devices is carried out by the registered certifying agency for all communications equipment.

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Reference/Remarks										Refer to Second Schedule	detailed collations of operation									
Maximum transmit power/ field strength/Conditions	13.5 dBµA/m at 10m	100 mW Equivalent Isotropically Radiated Power (EIRP)	10 mW EIRP	100 mW EIRP	100 mW EIRP	1 W EIRP	50 nW ERP	100 mW EIRP	25 mW EIRP with duty cycle <1%	or Frequency Hopping or Listen	Before Talk (LBT)	500 mW EIRP	500 mW EIRP with duty cycle <1%	or Frequency Hopping or LBT	250 mW EIRP	500 mW EIRP	1 W EIRP	1 W EIRP	1 W EIRP	1 W EIRP
Frequency bands	3155 kHz to 3400 kHz	6765 kHz to 6795 kHz	10200 kHz to 11000 kHz	13553 KHz to 13567 KHz	26.957 MHz to 27.283 MHz	40.660 MHz to 40.700 MHz	87.5 MHz to 108 MHz	433 MHz to 435 MHz		916 MHz to 919 MHz		919 MHz to 923 MHz		925 MINZ 10 924 MINZ	1880 MHz to 1900 MHz	2400 MHz to 2500 MHz	5150 MHz to 5350 MHz	5470 MHz to 5650 MHz	5725 MHz to 5875 MHz	24 GHz to 24.25 GHz
Applications				•	•				Short Range Device	(SRD)		•					•			

Table for Class Assignment Devices and Conditions

Applications	Frequency bands	Maximum transmit power/	Reference/Remarks
	57 GHz to 64 GHz	10 W EIRP	
	76 GHz to 77 GHz	5 W EIRP	
	122 GHz to 123 GHz	1 W EIRP	
	244 GHz to 246 GHz	1 W EIRP	
	26.965 MHz to 27.405 MHz		
Personal Radio Service	446.00625 MHz to 446.196875 MHz	Refer to tables in Fifth Schedule	Refer to Fifth Schedule detailed
(PRS)	477.0125 MHz to 477.4875 MHz ¹	 for maximum permitted transmit power 	conditions of operation and channelling plan
	477.5250 MHz to 477.9875 MHz ¹		
	46.610 MHz to 46.970 MHz	50 mW EIRP	
	49.610 MHz to 49.970 MHz	50 mW EIRP	Refer to Sixth Schedule detailed
Cordless telephone device	1880 MHz to 1900 MHz	250 mW EIRP	 conditions of operation and channelling plan
	2400 MHz to 2483.5 MHz	100 mW EIRP	
Two-way radio pager access device	152 MHz to 153 MHz	1 W EIRP	Refer to Seventh Schedule detailed conditions of operation and channelling plan
	3400 MHz to 4200 MHz (downlink) / 5925 MHz to 6725 MHz (uplink)		
Very Small Aperture Terminal (VSAT)	11464 MHz to 11700 MHz (downlink) / 14253.5 MHz to 14489.5 MHz (uplink)	Refer to tables in Ninths Schedule for maximum permitted transmit	Refer to Ninth Schedule detailed conditions of operation and channelling plan
	12258.5 MHz to 12494.5 MHz (downlink) / 13789 MHz to 14243 MHz (uplink))

		meia strenigin/containons	NCICLE CHECK HOLL IN
Infrared device 187	187.5 THz to 420 THz	125 mW EIRP	Refer to Tenth Schedule detailed conditions of operation and channelling plan
26.9	26.965 MHz to 27.275 MHz		
401	40 MHz		
47.1	47 MHz		Refer to Eleventh Schedule
Remote controlled device 49 l	49 MHz	50 mW EIRP	detailed conditions of operation and channelling plan
303	303 MHz to 320 MHz		
433	433 MHz to 435 MHz		
3.8	3 kHz to 195 kHz		
228	228.0063 MHz to 228.9937 MHz		Refer to Twelfth Schedule detailed conditions of operation
	303 MHz to 320 MHz		and channelling plan
Security device 400	400 MHz to 402 MHz	50 mW EIRP	
433	433 MHz to 435 MHz		
192	76 GHz to 77 GHz		
			i
26.9	26.95728 MHz to 27.28272 MHz	50 mW FIRP	
40.	40.435 MHz to 40.925 MHz		
87.:	87.5 MHz to 108 MHz	50 nW EIRP	Refer to Thirteenth Schedule
Wireless microphone device	174 MHz to 230 MHz		detailed conditions of operation and channelling plan
	470 MHz to 694 MHz	50 mW EIRP	
240	2400 MHz to 2500 MHz		

193.5484 THz 193.5484 THz 352.9412 THz 6765 kHz to 6795 kHz 13.553 MHz to 13.567 MHz 13.553 MHz to 27.283 MHz 26.957 MHz to 27.283 MHz 24.06 MHz to 2500 MHz 2400 MHz to 2500 MHz 2401 MHz to 2600 MHz 2401 MHz to 24.25 GHz 24 GHz to 24.25 GHz 24 GHz to 24.25 GHz 25 GHz to 123 GHz; 24 GHz to 246 GHz 25 GHz to 13.567 MHz 24 GHz to 24.56 MHz 24 GHz to 24.56 MHz 3553 MHz to 13.567 MHz 3553 MHz to 435 MHz 3553 MHz to 3500 MHz 3554 MHz to 315 kHz 36 KHz to 315 kHz 3750 NHz 3750 NHz	Frequency bands	Maximum transmit power/ field strength/Conditions	Reference/Remarks
352.9412 THZ 6765 KHZ to 6795 KHZ 13.553 MHZ to 13.567 MHZ 26.957 MHZ to 27.283 MHZ 40.66 MHZ to 40.70 MHZ 2400 MHZ to 2500 MHZ 5725 MHZ to 5875 MHZ 24 GHZ to 24.25 GHZ 61 GHZ to 123 GHZ; 24 GHZ to 123 GHZ; 122 GHZ to 123 GHZ 13.553 MHZ to 13.567 MHZ 433 MHZ to 246 GHZ 13.553 MHZ to 2500 MHZ 919 MHZ to 923 MHZ 919 MHZ to 2500 MHZ 916 MHZ to 2500 MHZ 9700 MHZ to 2500 MHZ	193.5484 THz	650 mW FIRP	Refer to Fourteenth Schedule
6765 KHz to 6795 KHz 13.553 MHz to 13.567 MHz 26.957 MHz to 27.283 MHz 40.66 MHz to 40.70 MHz 2400 MHz to 2500 MHz 5725 MHz to 5875 MHz 61 GHz to 24.25 GHz 61 GHz to 61.5 GHz 122 GHz to 123 GHz; 244 GHz to 246 GHz 13.553 MHz to 13.567 MHz 433 MHz to 435 MHz 919 MHz to 923 MHz 9 kHz to 315 kHz 9 kHz to 315 kHz	352.9412 THz		detailed contitudits of operation and channelling plan
13.553 MHz to 13.567 MHz 26.957 MHz to 27.283 MHz 40.66 MHz to 40.70 MHz 2400 MHz to 2500 MHz 5725 MHz to 5875 MHz 24 GHz to 24.25 GHz 61 GHz to 61.5 GHz 122 GHz to 123 GHz; 244 GHz to 13.567 MHz 13.553 MHz to 13.567 MHz 433 MHz to 435 MHz 919 MHz to 923 MHz 9401 MHz to 2500 MHz 9 KHz to 315 KHz	6765 KHz to 6795 KHz		- Spirit Triple Post
26.957 MHz to 27.283 MHz 40.66 MHz to 40.70 MHz 2400 MHz to 2500 MHz 5725 MHz to 5875 MHz 24 GHz to 24.25 GHz 61 GHz to 123 GHz; 244 GHz to 246 GHz 13.553 MHz to 13.567 MHz 433 MHz to 435 MHz 919 MHz to 923 MHz 9740 MHz to 2500 MHz 9740 MHz to 2500 MHz	13.553 MHz to 13.567 MHz		
40.66 MHz to 40.70 MHz 2400 MHz to 2500 MHz 5725 MHz to 5875 MHz 24 GHz to 24.25 GHz 61 GHz to 61.5 GHz 122 GHz to 123 GHz; 244 GHz to 246 GHz 13.553 MHz to 13.567 MHz 433 MHz to 435 MHz 919 MHz to 923 MHz 919 MHz to 2500 MHz 910 MHz to 2500 MHz	26.957 MHz to 27.283 MHz		
2400 MHz to 2500 MHz 5725 MHz to 5875 MHz 24 GHz to 24.25 GHz 61 GHz to 123 GHz; 122 GHz to 123 GHz; 244 GHz to 246 GHz 13.553 MHz to 13.567 MHz 433 MHz to 435 MHz 919 MHz to 923 MHz 919 MHz to 923 MHz 9401 MHz to 2500 MHz	40.66 MHz to 40.70 MHz		
5725 MHz to 5875 MHz 24 GHz to 24.25 GHz 61 GHz to 61.5 GHz 122 GHz to 123 GHz; 244 GHz to 246 GHz 13.553 MHz to 13.567 MHz 433 MHz to 435 MHz 919 MHz to 923 MHz 9401 MHz to 2500 MHz 9 kHz to 315 kHz	2400 MHz to 2500 MHz	500mW FIRD	Refer to Fifteenth Schedule
24 GHz to 24.25 GHz 61 GHz to 61.5 GHz 122 GHz to 123 GHz; 244 GHz to 246 GHz 13.553 MHz to 13.567 MHz 433 MHz to 435 MHz 919 MHz to 923 MHz 2400 MHz to 2500 MHz 9 kHz to 315 kHz	5725 MHz to 5875 MHz		detailed conditions of operation and channelling plan
61 GHz to 61.5 GHz 122 GHz to 123 GHz; 244 GHz to 246 GHz 13.553 MHz to 13.567 MHz 433 MHz to 435 MHz 919 MHz to 923 MHz 2400 MHz to 2500 MHz 9 kHz to 315 kHz	24 GHz to 24.25 GHz		
122 GHz to 123 GHz; 244 GHz to 246 GHz 13.553 MHz to 13.567 MHz 433 MHz to 435 MHz 919 MHz to 923 MHz 2400 MHz to 2500 MHz 9 kHz to 315 kHz	61 GHz to 61.5 GHz		Manual Annual Property of the Control of the Contro
244 GHz to 246 GHz 13.553 MHz to 13.567 MHz 433 MHz to 435 MHz 919 MHz to 923 MHz 2400 MHz to 2500 MHz 9 kHz to 315 kHz	122 GHz to 123 GHz;		
13.553 MHz to 13.567 MHz 433 MHz to 435 MHz 919 MHz to 923 MHz 2400 MHz to 2500 MHz 9 kHz to 315 kHz	244 GHz to 246 GHz		
433 MHz to 435 MHz 919 MHz to 923 MHz 2400 MHz to 2500 MHz 9 kHz to 315 kHz 401 MHz to 402 MHz	13.553 MHz to 13.567 MHz	100 mW EIRP	
919 MHz to 923 MHz 2400 MHz to 2500 MHz 9 kHz to 315 kHz 401 MHz to 402 MHz	433 MHz to 435 MHz	100 mW EIRP	Refer to Sixteenth Schedule
2400 MHz to 2500 MHz 9 kHz to 315 kHz 401 MHz to 402 MHz	919 MHz to 923 MHz	2 W ERP	 detailed conditions of operation and channelling plan
9 kHz to 315 kHz 401 MHz to 402 MHz	2400 MHz to 2500 MHz	500 mW EIRP	
401 MHz to 402 MHz	9 KHz to 315 KHz	30 dBµA/m at 10 m	
	401 MHz to 402 MHz	25 µW ERP for devices with Adaptive Frequency Agility (AFA) and Listen Before Talk (LBT) 250 nW ERP for devices using	Refer to Seventeenth Schedule detailed conditions of operation and channelling plan
Low		Low Power Low Duty Cycle	
		(LPLDC)	

Applications	Frequency bands	Maximum transmit power/ field strength/Conditions	Reference/Remarks
	402 MHz to 405 MHz	25 µW ERP	
	405 MHz to 406 MHz	25 µW ERP for devices with AFA and LBT 250 nW ERP for devices using	
	2400 MHz to 2483 5 MHz		
Cidom Coi+	5150 MHz to 5350 MHz		Refer to Eighteenth Schedule
- e	5470 MHz to 5725 MHz	100 mW EIRP	detailed conditions of operation
	5725 MHz to 5825 MHz		
	1518 MHz to 1559 MHz		
	1610 MHz to 1660.5 MHz		
	1668 MHz to 1668.4 MHz	Refer to table in nineteenth	Refer to Nineteenth Schedule
access	1980 MHz to 2010 MHz	schedule for maximum permitted	detailed conditions of operation
device	2170 MHz to 2200 MHz	transmit power	מות כוומוווק מוש
	2483.5 MHz to 2520 MHz		
	2670 MHz to 2690 MHz		
	10.7 GHz to 10.95 GHz		
	10.95 GHz to 11.2 GHz		
Satellite broadcasting	11.45 GHz to 11.7 GHz		Refer to Twentieth and Twenty- ninth Schedules detailed
	12.2 GHz to 12.75 GHz	Receive only	conditions of operation and
	11.463 GHz to 11.517 GHz		channelling plan
	11.70 GHz to 11.95 GHz		

Applications	Frequency bands	Maximum transmit power/	Reference/Remarks
	1164 MHz to 1400 MHz		Defer to Turonty fourth Schodule
Satellite radionavigation	1559 MHz to 1610 MHz	Receive only	detailed conditions of operation
ופכפואפו מפאוכם	5000 MHz to 5030 MHz		and channelling plan
	2400 MHz to 2500 MHz		
	4940 MHz to 4990 MHz		Refer to Twenty-fifth Schedule
CCTV access device	5150 MHz to 5350 MHz	1 W EIRP	detailed conditions of operation
	5650 MHz to 5725 MHz		and channelling plan
	5725 MHz to 5875 MHz		
	3100 MHz to 3400 MHz	-36.00 dBm EIRP	
Illfra Wide-band (IIWB)	3400 MHz to 3800 MHz	-40.00 dBm EIRP	Refer to Twenty-sixth Schedule
communication device	3800 MHz to 6000 MHz	-30.00 dBm EIRP	detailed conditions of operation
(Generic and road/ rail vehicles)	6000 MHz to 8500 MHz	0.00 dBm EIRP/ -13.3dBm EIRP (road/ rail vehicle)	and cnannelling plan
	8500 MHz to 10600 MHz	-25.00 dBm EIRP	
	21.65 GHz to 22 GHz	0.00 dBm EIRP	
:	22 GHz to 29.5 GHz	0.00 dBm EIRP	Refer to Twenty-seventh
Automotive radar device	76 GHz to 77 GHz	55.00 dBm EIRP	operation and channelling plan
	77 GHz to 81 GHz	55.00 dBm EIRP	

Reference/Remarks							Refer to Twenty-eighth Schoolile	detailed conditions of operation	and channelling plan						
Maximum transmit power/ field strength/Conditions	72 dBuA/m at 10 m	42 dBuA/m at 10 m	66 dBuA/m at 10 m	42 dBuA/m at 10 m	37.7 dBuA/m at 10 m	-5 dBuA/m at 10 m	-8 dBuA/m at 10 m	9 dBuA/m at 10 m	13.5 dBuA/m at 10 m	42 dBuA/m at 10 m	9 dBuA/m at 10 m	9 dBuA/m at 10 m	42 dBuA/m at 10 m	42 dBuA/m at 10 m	-5 dBuA/m at 10 m
Frequency bands	9 kHz to 90 kHz	90 kHz to 119 kHz	119 KHz to 135 KHz	135 KHz to 140 KHz	140 KHz to 148.5 KHz	315 KHz to 400 KHz	400 kHz to 600 kHz	984 KHz to 7484 KHz	3155 kHz to 3400 kHz	6765 kHz to 6795 kHz	7400 kHz to 8800 kHz	10200 KHz to 11000 KHz	13553 KHz to 13567 KHz	26957 kHz to 27283 kHz	148.5 kHz to 30 MHz
Applications								Inductive application							

¹Use of the frequency bands of 477.0125 MHz to 477.4875 MHz and 477.5250 MHz to 477.9875 MHz for PRS device only allowed until 31 December 2020.

FIRST SCHEDULE

Class Assignment for Mobile and Broadband Wireless Access Device

1. Definition

- (1) In this class assignment, "mobile and broadband wireless access device" means a device communicating with a radio base station provided by a licensee in the designated frequency bands.
- (2) In this class assignment, "mobile and broadband wireless access device" includes cellular mobile access device and broadband wireless access device.
- (3) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

Mobile and broadband wireless access devices shall only utilise the same frequency bands that was assigned by way of a Spectrum Assignment ("SA") or an Apparatus Assignment ("AA") for the purpose of receiving and transmitting within the frequency bands assigned to the radio base station and such utilisation of the frequency bands, amongst other uses, is on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate a mobile and broadband wireless access device to communicate only with a radio base station subject to the operation of the radio base station being authorised by a SA or an AA.

SECOND SCHEDULE

Class Assignment for SRD

1. Definition

- (1) In this class assignment, SRD means a radiocommunications device that provides either unidirectional or bi-directional communication for mobile and fixed applications in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A SRD shall only utilise any of the frequency bands as specified in the second column of Table 2-1 that is assigned for this class assignment, amongst other uses, on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate a SRD subject to the:

- (a) conditions as specified in paragraph 4 below; and
- (b) device operating within the frequency bands as referred to in paragraph 2 above.

4. Conditions

(1) Maximum Power

The maximum power shall not exceed the values as specified in the third column of Table 2-1.

(2) Operational Restrictions

- (a) For SRD operating within the 5250 MHz to 5350 MHz and 5470 MHz to 5650 MHz frequency bands, the devices shall use Dynamic Frequency Selection ("DFS") and Transmit Power Control ("TPC");
- (b) The radiated Power Spectral Density ("PSD") for the devices operating within the 5250 MHz to 5350 MHz and 5470 MHz to 5650 MHz frequency bands is limited to 10 mW/MHz; and
- (c) The devices operating in the frequency band 5150 MHz to 5350 MHz are only for indoor usage.

TABLE 2-1
Frequency Bands and Maximum Power

Item	Frequency Bands	Maximum Power
1.	3155 kHz to 3400 kHz	13.5 dBµA/m at 10m
2.	6765 kHz to 6795 kHz	100 mW EIRP
3.	10200 kHz to 11000 kHz	10 mW EIRP
4.	13553 kHz to 13567 kHz	100 mW EIRP
5.	26.9570 MHz to 27.2830 MHz	100 mW EIRP
6.	40.660 MHz to 40.7 MHz	1 W EIRP
7.	87.5 MHz to 108 MHz	50 nW ERP
8.	433 MHz to 435 MHz	100 mW EIRP
9.	916 MHz to 919 MHz	25 mW EIRP with duty cycle of <1%, Frequency Hopping or LBT
10.	919 MHz to 923 MHz	500 mW EIRP
11.	923 MHz to 924 MHz	500 mW EIRP with duty cycle of <1%, Frequency Hopping or LBT
12.	1880 MHz to 1900 MHz	250 mW EIRP
13.	2400 MHz to 2500 MHz	500 mW EIRP
14.	5150 MHz to 5350 MHz	1 W EIRP
15.	5470 MHz to 5650 MHz	1 W EIRP
16.	5725 MHz to 5875 MHz	1 W EIRP
17.	24 GHz to 24.25 GHz	1 W EIRP
18.	57 GHz to 64 GHz	10 W EIRP
19.	76 GHz to 77 GHz	5 W EIRP
20.	122 GHz to 123 GHz	1 W EIRP
21.	244 GHz to 246 GHz	1 W EIRP

THIRD SCHEDULE

Class Assignment for Leased Channel Radio Access Device

1. Definition

- (1) In this class assignment, "leased channel radio access device" means a device communicating with a leased channel radio base station provided by a licensee linking a single radio frequency channel to a person or group of persons in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A leased channel radio access device shall only utilise the same frequency bands that was assigned by way of an AA for the purpose of receiving and transmitting within the frequency bands and such utilisation of the frequency bands, amongst other uses, is on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate a leased channel radio access device to communicate only with a leased channel radio base station subject to the operation of the leased channel radio base station being authorised by an AA.

FOURTH SCHEDULE

Class Assignment for Trunked Radio Access Device

1. Definition

- (1) In this class assignment, "trunked radio access device" means a device communicating with a trunked radio base station provided by a licensee in which the communications traffic may pass through any of the channels automatically assigned by the trunked radio system from a trunked group of channels served by a trunked radio base station in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A trunked radio access device shall only utilise the same frequency bands that was assigned by way of an AA for the purpose of receiving and transmitting within the frequency bands and such utilisation of the frequency bands, amongst other uses, is on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate a trunked radio access device to communicate only with a trunked radio base station subject to the:

- (a) conditions as specified in paragraph 4 below; and
- (b) operation of the trunked radio base station being authorised by an AA.

4. Condition

The maximum EIRP shall not exceed 25 W.

FIFTH SCHEDULE

Class Assignment for PRS Device

Definition

- (1) In this class assignment, PRS device means a two-way radiocommunications device operating in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A PRS device shall only utilise any of the following frequency bands assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

- (a) 26.965000 MHz to 27.405000 MHz;
- (b) 446.006250 MHz to 446.093750 MHz;
- (c) 446.103125 MHz to 446.196875 MHz;
- (d) 477.0125 MHz to 477.4875 MHz¹; or
- (e) 477.5250 MHz to 477.9875 MHz¹.

3. Class assignment

This class assignment confers rights on any person to operate a PRS device subject to:

- (a) the conditions as specified in paragraph 4 below; and
- (b) the device operating within the frequency bands as specified in the second column of Tables 5-1, 5-2, 5-3, 5-4 and 5-5.

4. Conditions

(1) Channel plan

The channel plan as specified in Tables 5-1, 5-2, 5-3, 5-4 and 5-5 shall be complied with.

- (2) Modulation type and channel spacing
 - (a) The modulation type shall be as specified in the third column of Tables 5-1, 5-2, 5-3, 5-4 and 5-5; and
 - (b) The maximum channel spacing shall be as specified in the:
 - (i) first and second sub-columns of the fifth column of Table 5-1; and
 - (ii) fifth column of Tables 5-2, 5-3, 5-4 and 5-5.
- (3) Reserved channels

The channels as specified in the sixth column of Tables 5-1, 5-4 and 5-5 shall be reserved for emergency and calling use.

(4) Encryption device

No encryption devices are to be employed on any of the channels as specified in Tables 5-1, 5-2, 5-3, 5-4 and 5-5.

- (5) Maximum transmission period
 - (a) Transmission for voice shall not exceed 180 seconds in duration for each transmission.
 - (b) Transmission, other than voice, shall not exceed 3 seconds in duration for each transmission.
- (6) Call signs

No call signs are to be utilised other than in a field of operation where such call signs are required.

(7) Telephone interconnect

No connection of a PRS device to a telephony service is authorised.

(8) Operation restrictions

No person shall operate a PRS device:

- (a) in such a way that would cause unnecessary alarm or serious affront to another person; or
- (b) to harass or denigrate another person.

(9) Commandeer

A PRS device may be commandeered to assist in the case of:

- (a) emergency;
- (b) national interest; or
- (c) danger to person or property.
- (10) The maximum EIRP shall not exceed the values as specified in the:
 - (a) first and second subcolumns of the fourth column of Table 5-1; and
 - (b) fourth column in Tables 5-2, 5-3, 5-4 and 5-5.

TABLE 5-1 **27 MHz Citizen Band - PRS Frequencies**

(A medium-range simplex radiocommunications service for commercial and recreational use)

	Fraguanay	Modulation	Peak p (Wai (Maximui	tts)	Channe (k	Reserved	
Channel	nnnel Frequency (MHz)	Modulation Type	Double	Single	Double	Single	Channel
			Side	Side	Side	Side	Chamie
			Band:	Band:	Band:	Band:	
			AM/FM	AM	AM/FM	AM	
1	26.9650	AM / FM	4	12	6	3	
2	26.9750	AM / FM	4	12	6	3	
3	26.9850	AM / FM	4	12	6	3	
4	27.0050	AM / FM	4	12	6	3	
5	27.0150	AM / FM	4	12	6	3	
6	27.0250	AM / FM	4	12	6	3	
7	27.0350	AM / FM	4	12	6	3	

8	27.0550	AM / FM	4	12	6	3	
9	27.0650	AM / FM	4	12	6	3	Emergency
10	27.0750	AM / FM	4	12	6	3	
11	27.0850	AM / FM	4	12	6	3	Calling
12	27.1050	AM/FM	4	12	6	3	
13	27.1150	AM/FM	4	12	6	3	
14	27.1250	AM / FM	4	12	6	3	
15	27.1350	AM / FM	4	12	6	3	
16	27.1550	AM / FM	4	12	6	3	
17	27.1650	AM / FM	4	12	6	3	
18	27.1750	AM / FM	4	12	6	3	
19	27.1850	AM / FM	4	12	6	3	
20	27.2050	AM / FM	4	12	6	3	
21	27.2150	AM / FM	4	12	6	3	
22	27.2250	AM / FM	4	12	6	3	
23	27.2350	AM / FM	4	12	6	3	
24	27.2450	AM / FM	4	12	6	3	
25	27.2550	AM / FM	4	12	6	3	
26	27.2650	AM / FM	4	12	6	3	
27	27.2750	AM / FM	4	12	6	3	
28	27.2850	AM / FM	4	12	6	3	
29	27.2950	AM / FM	4	12	6	3	
30	27.3050	AM / FM	4	12	6	3	
31	27.3150	AM / FM	4	12	6	3	in the
32	27.3250	AM / FM	4	12	6	3	
33	27.3350	AM / FM	4	12	6	3	
34	27.3450	AM / FM	4	12	6	3	
35	27.3550	AM / FM	4	12	6	3	
36	27.3650	AM / FM	4	12	6	3	
37	27.3750	AM / FM	4	12	6	3	
38	27.3850	AM / FM	4	12	6	3	
39	27.3950	AM / FM	4	12	6	3	
40	27.4050	AM / FM	4	12	6	3	

TABLE 5-2

Analog Personal Mobile Radio 446 MHz ("Analog PMR 446")

(A short-range simplex radiocommunications service for business and recreational use)

Channel	Frequency (MHz)	Modulation Type	Peak power (Watts) (Maximum ERP)	Channel Spacing (kHz)
1	446.00625	FM	0.5	12.5
2	446.01875	FM	0.5	12.5
3	446.03125	FM	0.5	12.5
4	446.04375	FM	0.5	12.5
5	446.05625	FM	0.5	12.5
6	446.06875	FM	0.5	12.5
7	446.08125	FM	0.5	12.5
8	446.09375	FM	0.5	12.5

TABLE 5-3

Digital Personal Mobile Radio 446 MHz ("Digital PMR 446")

(A short-range simplex radiocommunications service for business and recreational use)

Channel	Frequency (MHz)	Modulation Type	Peak power (Watts) (Maximum ERP)	Channel Spacing (kHz)
1	446.103125	4FSK	0.5	6.25
2	446.109375	4FSK	0.5	6.25
3	446.115625	4FSK	0.5	6.25
4	446.121875	4FSK	0.5	6.25
5	446.128125	4FSK	0.5	6.25
6	446.134375	4FSK	0.5	6.25
7	446.140625	4FSK	0.5	6.25
8	446.146875	4FSK	0.5	6.25
9	446.153125	4FSK	0.5	6.25

10	446.159375	4FSK	0.5	6.25
11	446.165625	4FSK	0.5	6.25
12	446.171875	4FSK	0.5	6.25
13	446.178125	4FSK	0.5	6.25
14	446.184375	4FSK	0.5	6.25
15	446.190625	4FSK	0.5	6.25
16	446.196875	4FSK	0.5	6.25

TABLE 5-4

477 MHz Citizen Band - PRS Frequencies

(A short-range simplex radiocommunications service for business and commercial use)

Channel	Frequency (MHz)	Modulation Type	Peak power (Watts) (Maximum ERP)	Channel Spacing (kHz)	Reserved Channel
1	477.0125	FM / PM	5	12.5	
2	477.0250	FM / PM	5	12.5	
3	477.0375	FM / PM	5	12.5	
4	477.0500	FM / PM	5	12.5	
5	477.0625	FM / PM	5	12.5	
6	477.0750	FM / PM	5	12.5	
7	477.0875	FM / PM	5	12.5	
8	477.1000	FM / PM	5	12.5	
9	477.1125	FM / PM	5	12.5	Emergency
10	477.1250	FM / PM	5	12.5	
11	477.1375	FM / PM	5	12.5	Calling
12	477.1500	FM / PM	5	12.5	
13	477.1625	FM / PM	5	12.5	
14	477.1750	FM / PM	5	12.5	
15	477.1875	FM / PM	5	12.5	
16	477.2000	FM / PM	5	12.5	
17	477.2125	FM / PM	5	12.5	
18	477.2250	FM / PM	5	12.5	
19	477.2375	FM / PM	5	12.5	

477.2500	FM / PM	5	12.5	
477.2625	FM / PM	5	12.5	
477.2750	FM / PM	5	12.5	
477.2875	FM / PM	5	12.5	
477.3000	FM / PM	5	12.5	
477.3125	FM / PM	5	12.5	
477.3250	FM / PM	5	12.5	
477.3375	FM / PM	5	12.5	
477.3500	FM / PM	5	12.5	
477.3625	FM / PM	5	12.5	
477.3750	FM / PM	5	12.5	
477.3875	FM / PM	5	12.5	
477.4000	FM / PM	5	12.5	
477.4125	FM / PM	5	12.5	
477.4250	FM / PM	5	12.5	
477.4375	FM / PM	5	12.5	
477.4500	FM / PM	5	12.5	
477.4625	FM / PM	5	12.5	
477.4750	FM / PM	5	12.5	
477.4875	FM / PM	5	12.5	
	477.2625 477.2750 477.2875 477.3000 477.3125 477.3250 477.3250 477.3500 477.3625 477.3750 477.3750 477.4000 477.4125 477.4250 477.4500 477.4500 477.4625 477.4750	477.2625 FM / PM 477.2750 FM / PM 477.2875 FM / PM 477.3000 FM / PM 477.3125 FM / PM 477.3250 FM / PM 477.3250 FM / PM 477.3500 FM / PM 477.3625 FM / PM 477.3750 FM / PM 477.3750 FM / PM 477.4000 FM / PM 477.4000 FM / PM 477.4250 FM / PM 477.4250 FM / PM 477.4500 FM / PM 477.4500 FM / PM 477.4500 FM / PM	477.2625 FM / PM 5 477.2750 FM / PM 5 477.2875 FM / PM 5 477.3000 FM / PM 5 477.3125 FM / PM 5 477.3250 FM / PM 5 477.3375 FM / PM 5 477.3500 FM / PM 5 477.3750 FM / PM 5 477.3875 FM / PM 5 477.4000 FM / PM 5 477.4250 FM / PM 5 477.4375 FM / PM 5 477.4500 FM / PM 5 477.4625 FM / PM 5 477.4750 FM / PM 5	477.2625 FM / PM 5 12.5 477.2750 FM / PM 5 12.5 477.2875 FM / PM 5 12.5 477.3000 FM / PM 5 12.5 477.3125 FM / PM 5 12.5 477.3250 FM / PM 5 12.5 477.3375 FM / PM 5 12.5 477.3500 FM / PM 5 12.5 477.3750 FM / PM 5 12.5 477.4000 FM / PM 5 12.5 477.4125 FM / PM 5 12.5 477.4250 FM / PM 5 12.5 477.4500 FM / PM 5 12.5 477.4750 FM / PM 5 12.5 477.4750 FM / PM 5 12.5 477.4750 FM / PM 5 12.5

TABLE 5-5 **477 MHz Family Band - PRS Frequencies**

(A very short-range simplex radiocommunications service for recreational use)

Channel	Frequency (MHz)	Modulation Type	Peak power (Watt) (Maximum EIRP)	Channel Spacing (kHz)	Reserved Channel
1	477.5250	FM / PM	0.5	12.5	
2	477.5375	FM / PM	0.5	12.5	
3	477.5500	FM / PM	0.5	12.5	
4	477.5625	FM / PM	0.5	12.5	
5	477.5750	FM / PM	0.5	12.5	
6	477.5875	FM / PM	0.5	12.5	

7	477.6000	FM / PM	0.5	12.5	
8	477.6125	FM / PM	0.5	12.5	
9	477.6250	FM / PM	0.5	12.5	Emergency
10	477.6375	FM / PM	0.5	12.5	
11	477.6500	FM / PM	0.5	12.5	Calling
12	477.6625	FM / PM	0.5	12.5	
13	477.6750	FM / PM	0.5	12.5	
14	477.6875	FM / PM	0.5	12.5	
15	477.7000	FM / PM	0.5	12.5	
16	477.7125	FM / PM	0.5	12.5	
17	477.7250	FM / PM	0.5	12.5	
18	477.7375	FM / PM	0.5	12.5	
19	477.7500	FM / PM	0.5	12.5	
20	477.7625	FM / PM	0.5	12.5	
21	477.7750	FM / PM	0.5	12.5	
22	477.7875	FM / PM	0.5	12.5	
23	477.8000	FM / PM	0.5	12.5	
24	477.8125	FM / PM	0.5	12.5	
25	477.8250	FM / PM	0.5	12.5	
26	477.8375	FM / PM	0.5	12.5	
27	477.8500	FM / PM	0.5	12.5	9.00
28	477.8625	FM / PM	0.5	12.5	
29	477.8750	FM / PM	0.5	12.5	
30	477.8875	FM / PM	0.5	12.5	
31	477.9000	FM / PM	0.5	12.5	
32	477.9125	FM / PM	0.5	12.5	
33	477.9250	FM / PM	0.5	12.5	
34	477.9375	FM / PM	0.5	12.5	TO LOOK
35	477.9500	FM / PM	0.5	12.5	
36	477.9625	FM / PM	0.5	12.5	Samuel
37	477.9750	FM / PM	0.5	12.5	
38	477.9875	FM / PM	0.5	12.5	

¹Use of the frequency bands of 477.0125 MHz to 477.4875 MHz and 477.5250 MHz to 477.9875 MHz for PRS device only allowed until 31 December 2020.

SIXTH SCHEDULE

Class Assignment for Cordless Telephone Device

1. Definition

- (1) In this class assignment, "cordless telephone device" means a two-way low power mobile or portable device which communicates with a local base station in the designated frequency bands and is directly connected to a licensee.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A cordless telephone device shall only utilise any of the frequency bands as specified in the second column of Table 6-1 that is assigned for this class assignment, amongst other uses, on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate a cordless telephone device subject to the:

- (a) conditions as specified in paragraph 4 below; and
- (b) device operating within the frequency bands as referred to in paragraph 2 above.

4. Conditions

The maximum EIRP shall not exceed the values as specified in the third column of Table 6-1

TABLE 6-1
Frequency Bands and Maximum EIRP

Item	Frequency Bands (MHz)	Maximum EIRP
1.	46.610 MHz to 46.970 MHz	50 mVV
2.	49.610 MHz to 49.970 MHz	50 mW
3.	1880 MHz to 1900 MHz	250 mW
4.	2400 MHz to 2483.5 MHz	100 mW

SEVENTH SCHEDULE

Class Assignment for Two-Way Radio Pager Access Device

1. Definition

- (1) In this class assignment, "two-way radio pager access device" means a two-way radiocommunications device communicating with a paging base station provided by a licensee for receiving or sending a tone, voice, numeric or alphanumeric message in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A two-way radio pager access device shall only utilise the 152 MHz to 153 MHz frequency band assigned for this class assignment, amongst other uses, on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate a two-way radio pager access device to communicate only with a paging base station subject to the:

- (a) condition as specified in paragraph 4 below;
- (b) device operating within the frequency band as specified in paragraph 2 above; and
- (c) operation of the paging base station being authorised by an AA.

4. Condition

The maximum EIRP shall not exceed 1 W.

EIGHTH SCHEDULE

Class Assignment for Radio Telemetry Access Device

1. Definition

- (1) In this class assignment, "radio telemetry access device" means a one or two-way radiocommunications device communicating with a fixed station provided by a licensee for automatic or on request reporting of measurements or records through radio connectivity served by a fixed station in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A radio telemetry access device shall only utilise the same frequency bands that was assigned by way of an AA for the purpose of receiving and transmitting within the frequency bands and such utilisation of the frequency bands, amongst other uses, is on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate a radio telemetry access device to communicate only with a radio telemetry base station subject to the operation of the radio telemetry base station being authorised by an AA.

NINTH SCHEDULE

Class Assignment for VSAT

1. Definition

- (1) In this class assignment, VSAT means an earth station communicating with a space station provided by a licensee in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A VSAT shall only utilise the following frequency bands assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

- (a) 3400 MHz to 4200 MHz (downlink) / 5925 MHz to 6725 MHz (uplink);
- (b) 11464 MHz to 11700 MHz (downlink) / 14253.5 MHz to 14489.5 MHz (uplink); or
- (c) 12258.5 MHz to 12494.5 MHz (downlink) / 13789 MHz to 14243 MHz (uplink).

3. Class assignment

This class assignment confers rights on any person to operate a VSAT subject to the:

- (a) conditions as specified in paragraph 4 below;
- (b) VSAT operating within the frequency bands as specified in paragraph 2 above;
- (c) VSAT being connected to a network service provided through a space station named Malaysia East Asia Satellite ("MEASAT") at 91.5° East; and
- (d) any one of the following:

- VSAT being used by the end user for connecting with a licensed network service provider for use with other licensed network services or applications services;
- (ii) VSAT being connected with a licensed network service provider for use as a private network facility; or
- (iii) VSAT being used for connecting with a licensed network service provider for telemetry applications.

4. Conditions

- (1) Maximum VSAT antenna diameter
 The maximum diameter for VSAT antenna is less than 2.4 meters.
- (2) The maximum data rate for VSAT should not exceed the values as specified in the third column of Table 9-1
- (3) The maximum level of angle off-axis EIRP density from a VSAT shall not exceed the values as specified in the second column of Table 9-2.

TABLE 9-1
Frequency Bands and Maximum Data Rate

Item	Frequency Bands	Data rate
1.	3400 MHz to 4200 MHz (downlink) / Not exceeding	
	5925 MHz to 6725 MHz (uplink)	
2.	11464 MHz to 11700 MHz (downlink) /	Not exceeding 10 Mbps
	14253.5 MHz to 14489.5 MHz (uplink)	
3.	12258.5 MHz to 12494.5 MHz (downlink) /	Not exceeding 10 Mbps
	13789 MHz to 14243 MHz (uplink)	

TABLE 9-2 **Maximum EIRP**

5.925 (5.925 GHz to 6.725 GHz			
Angle off-axis	Maximum EIRP per 4 kHz			
$2.5^{\circ} \le \varphi \le 7^{\circ}$	(32 – 25 log φ) dB (W/4 kHz)			
7° < φ ≤ 9.2°	11 dB (W/4 kHz)			
$9.2^{\circ} < \phi \le 48^{\circ}$	(35 – 25 log φ) dB (W/4 kHz)			
48° < φ ≤ 180°	-7 dB (W/4 kHz)			
13.789 (GHz to 14.243 GHz			
Angle off-axis	Maximum EIRP per 1 MHz			
$2^{\circ} \le \varphi \le 7^{\circ}$	(43 – 25 log φ) dB (W/MHz)			
7° < φ ≤ 9.2°	22 dB (W/MHz)			
$9.2^{\circ} < \phi \le 48^{\circ}$	(46 – 25 log φ) dB (W/MHz)			
φ > 48°	+4 dB (W/MHz)			
14.2535 (GHz to 14.4895 GHz			
Angle off-axis	Maximum EIRP per 40 kHz			
3° ≤ φ ≤ 7°	(42 – 25 log φ) dB (W/40 kHz)			
7° < φ ≤ 9.2°	21 dB (W/40 kHz)			
$9.2^{\circ} < \phi \le 48^{\circ}$	(45 – 25 log φ) dB (W/40 kHz)			
48° < φ ≤ 180°	+3 dB (W/40 kHz)			

TENTH SCHEDULE

Class Assignment for Infrared Device

1. Definition

- (1) In this class assignment, "infrared device" means a radiocommunications device operating in the electromagnetic frequency band from 187.5 THz to 420 THz.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

An infrared device shall only utilise the 187.5 THz to 420 THz frequency band assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

3. Class assignment

This class assignment confers rights on any person to operate an infrared device subject to the:

- (a) conditions as specified in paragraph 4 below; and
- (b) device operating within the frequency band as specified in paragraph 2 above.

4. Condition

The maximum power shall not exceed 125 mW.

ELEVENTH SCHEDULE

Class Assignment for Remote Controlled Device

1. Definition

- (1) In this class assignment, "remote controlled device" means a device which is occasionally used to remotely control, by method of low power radio emissions, consumer devices including, but not limited to, remote controlled doors, air conditioners, gates, locks, video equipment, cameras and toys.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A remote controlled device shall only utilise any of the following frequency bands assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

- (a) 26.965 MHz to 27.275 MHz;
- (b) 40 MHz;
- (c) 47 MHz;
- (d) 49 MHz;
- (e) 303 MHz to 320 MHz; or
- (f) 433 MHz to 435 MHz.

3. Class assignment

This class assignment confers rights on any person to operate a remote controlled device subject to the:

- (a) condition as specified in paragraph 4 below; and
- (b) device operating within the frequency bands as specified in paragraph 2 above.

4. Condition

The maximum EIRP shall not exceed 50 mW.

TWELFTH SCHEDULE

Class Assignment for Security Device

1. Definition

- (1) In this class assignment, "security device" means a low power radio device specifically utilised for consumer security applications and used to remotely control, interrogate and download information, or detect objects.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A security device shall only utilise any of the following frequency bands assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

- (a) 3 kHz to 195 kHz;
- (b) 228.0063 MHz to 228.9937 MHz;
- (c) 303 MHz to 320 MHz;
- (d) 400 MHz to 402 MHz;
- (e) 433 MHz to 435 MHz; or
- (f) 76 GHz to 77 GHz.

3. Class assignment

This class assignment confers rights on any person to operate a security device subject to the:

- (a) conditions as specified in paragraph 4 below; and
- (b) device operating within the frequency bands as specified in paragraph 2 above.

The maximum EIRP shall not exceed the values as specified in the third column of Table 12-1.

TABLE 12-1
Frequency Bands and Maximum EIRP

Item	Frequency Bands	Maximum EIRP
1.	3 kHz to 195 kHz	50 mW
2.	228.0063 MHz to 228.9937 MHz	50 mW
3.	303 MHz to 320 MHz	50 mW
4.	400 MHz to 402 MHz *	50 mW
5.	433 MHz to 435 MHz	50 mW
6.	76 GHz to 77 GHz	50 mW

THIRTEENTH SCHEDULE

Class Assignment for Wireless Microphone Device

1. Definition

- (1) In this class assignment, "wireless microphone device" means a low power device for the transmission of audio or voice over short distances to a remote receiver to be amplified.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A wireless microphone device shall only utilise any of the following frequency bands assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

- (a) 26.95728 MHz to 27.28272 MHz;
- (b) 40.435 MHz to 40.925 MHz;
- (c) 87.5 MHz to 108 MHz;
- (d) 174 MHz to 230 MHz;
- (e) 470 MHz to 694 MHz; or
- (f) 2400 MHz to 2500 MHz.

3. Class assignment

This class assignment confers rights on any person to operate a wireless microphone device subject to the:

- (a) conditions as specified in paragraph 4 below; and
- (b) device operating within the frequency bands as specified in paragraph 2 above.

The maximum EIRP shall not exceed 50 mW for all frequency bands specified in paragraph 2 above except for frequency band 87.5 MHz to 108 MHz. The maximum EIRP for frequency band 87.5 MHz to 108 MHz shall not exceed 50 nW.

FOURTEENTH SCHEDULE

Class Assignment for FSO Device

1. Definition

- (1) In this class assignment, FSO device means a device that uses line-of-sight optical technology to provide a point to point communication link.
- (2) Subject to subparagraph (1) above, all terminology of an absolute technical nature shall have the same meaning as in the International Telecommunication Convention.

2. Frequency bands

A FSO device shall only utilise any of the following frequencies assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

- (a) 193.5484 THz (wavelength of 1550 nm); or
- (b) 352.9412 THz (wavelength of 850 nm).

Class assignment

This class assignment confers rights on any person to operate a FSO device subject to the:

- (a) condition as specified in paragraph 4 below; and
- (b) device operating within the frequency bands as specified in paragraph 2 above.

4. Condition

The maximum power shall not exceed 650 mW.

FIFTEENTH SCHEDULE

Class Assignment for ISM Device

1. Definition

- (1) In this class assignment, ISM device means a device which generate locally radio frequency energy that is used for industrial, scientific, medical, domestic or similar purposes, excluding in the field of telecommunications.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

An ISM device shall only utilise any of the frequency bands specified in Table 15-1 that is assigned for this class assignment, amongst other uses, on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate an ISM device subject to the:

- (a) condition as specified in paragraph 4 below; and
- (b) device operating within the frequency bands as referred to in paragraph 2 above.

4. Conditions

The maximum power shall shall not exceed the values as specified in Table 15-1.

TABLE 15-1
Frequency Bands and Maximum EIRP

Frequency Bands	Maximum EIRP
6765 kHz to 6795 kHz	500 mW
13.553 MHz to 13.567 MHz	500 mW
26.957 MHz to 27.283 MHz	500 mW
40.66 MHz to 40.70 MHz	500 mW
2400 MHz to 2500 MHz	500 mW
5725 MHz to 5875 MHz	500 mW
24 GHz to 24.25 GHz	500 mW
61 GHz to 61.5 GHz	500 mW
122 GHz to 123 GHz	500 mW
244 GHz to 246 GHz	500 mW
	6765 kHz to 6795 kHz 13.553 MHz to 13.567 MHz 26.957 MHz to 27.283 MHz 40.66 MHz to 40.70 MHz 2400 MHz to 2500 MHz 5725 MHz to 5875 MHz 24 GHz to 24.25 GHz 61 GHz to 61.5 GHz 122 GHz to 123 GHz

SIXTEENTH SCHEDULE

Class Assignment for RFID

1. Definition

- (1) In this class assignment, RFID means a two-way radiocommunications device that is used to automatically identify any object, animal or person in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A RFID shall only utilise any of the frequency bands as specified in the second column of Table 16-1 that is assigned for this class assignment, amongst other uses, on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate a RFID subject to the:

- (a) conditions as specified in paragraph 4 below; and
- (b) device operating within the frequency bands as referred to in paragraph 2 above.

4. Conditions

The maximum power shall not exceed the values as specified in the third column of Table 16-1.

TABLE 16-1
Frequency Bands and Maximum Power

Item	Frequency Bands	Maximum Power
1.	13.553 MHz to 13.567 MHz	100 mW EIRP
2.	433 MHz to 435 MHz	100 mW EIRP
3.	919 MHz to 923 MHz	2 W ERP
4.	2400 MHz to 2500 MHz	500 mW EIRP

SEVENTEENTH SCHEDULE

Class Assignment for Active Medical Implant

1. Definition

- (1) In this class assignment, "active medical implant" means a device which is implanted in a body that communicates with a controller in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

An active medical implant shall only utilise the following frequency bands as specified in the second column of Table 17-1 that is assigned for this class assignment, amongst other uses, on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate an active medical implant subject to the:

- (a) conditions as specified in paragraph 4 below; and
- (b) device operating within the frequency bands as referred to in paragraph 2 above.

4. Conditions

The maximum power shall not exceed the values as specified in the third column of Table 17-1.

TABLE 17-1
Frequency Bands and Maximum Power

Item	Frequency Bands	Maximum Power
1.	9 kHz to 315 kHz	30 dB μA/m at 10 m
	sanitife of walkingson	25 μW ERP for devices with Adaptive
	light from a settle of the light	Frequency Agility (AFA) and Listen Before
2.	401 MHz to 402 MHz	Talk (LBT)
		250 nW ERP for devices using Low Power
	0. 1997	Low Duty Cycle (LPLDC)
3.	402 MHz to 405 MHz	25 μW ERP
4	25 μW ERP for devices with AFA a	
4.	405 MHz to 406 MHz	250 nW ERP for devices using LPLDC

EIGHTHTEENTH SCHEDULE

Class Assignment for Aeronautical Mobile Telemetry Access Device

1. Definition

- (1) In this Class Assignment, "aeronautical mobile telemetry access device" means a device installed in an aircraft and communicating within an aircraft to indicate or record data through radio connectivity in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

An aeronautical mobile telemetry device shall only utilise any of the frequency bands as specified in the second column of Table 18-1 that is assigned for this class assignment, amongst other uses, is on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate an aeronautical mobile telemetry access device subject to the:

- (a) conditions as specified in paragraph 4 below; and
- (b) device operating within the frequency bands as referred to in paragraph 2 above.

Conditions

The maximum EIRP shall not exceed the values as specified in the third column of Table 18-1.

TABLE 18-1
Frequency Bands and Maximum EIRP

Maximum EIRP
100 mW
100 mW
100 mW
100 mW

NINTEENTH SCHEDULE

Class Assignment for Mobile Satellite Access Device

1. Definition

- (1) In this class assignment, "mobile satellite access device" means a portable twoway radiocommunications device communicating with any satellite station provided by a licensee for the provision of application services in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A mobile satellite access device shall only utilise any of the frequency bands assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

- (a) 1518 MHz to 1559 MHz;
- (b) 1610 MHz to 1660.5 MHz;
- (c) 1668 MHz to 1668.4 MHz;
- (d) 1980 MHz to 2010 MHz;
- (e) 2170 MHz to 2200 MHz;
- (f) 2483.5 MHz to 2520 MHz; or
- (g) 2670 MHz to 2690 MHz.

3. Class assignment

This class assignment confers rights on any person to operate a mobile satellite access device subject to the:

- (a) conditions as specified in paragraph 4 below; and
- (b) device operating within the frequency bands as specified in paragraph 2 above.

(a) The maximum EIRP shall not exceed the values as specified in Table 19-1.

TABLE 19-1
Frequency Bands and Maximum EIRP

Item	Frequency bands	Maximum EIRP
1	1518 MHz to 1559 MHz	7 W
2	1610 MHz to 1660.5 MHz	7W
3	1668 MHz to 1668.4 MHz	7 W
4	1980 MHz to 2010 MHz	7 W
5	2170 MHz to 2200 MHz	7 W
6	2483.5 MHz to 2520 MHz	7 W
7	2670 MHz to 2690 MHz	7 W

TWENTIETH SCHEDULE

Class Assignment for Satellite Broadcasting Receiver Device

1. Definition

- (1) In this class assignment, "satellite broadcasting receiver device" means an earth station which is used to receive radio or television transmission provided by licensee in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A satellite broadcasting receiver device shall only utilise the following frequency bands assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

- (a) 10.7 GHz to 10.95 GHz;
- (b) 10.95 GHz to 11.2 GHz;
- (c) 11.45 GHz to 11.7 GHz;
- (d) 11.70 GHz to 11.95 GHz; or
- (e) 12.2 GHz to 12.75 GHz.

3. Class assignment

This class assignment confers rights on any person to operate a satellite broadcasting receiver device subject to the:

(a) conditions specified in paragraph 4 below;

- (b) satellite broadcasting receiver device operating within the frequency bands as specified in the paragraph 2;
- (c) satellite broadcasting receiver device being connected to a network service provided through a space station named Malaysia East Asia Satellite (MEASAT) at 91.5° East; and
- (d) the device being used by the end user for receiving content applications service from a licensed service provider.

The maximum diameter for a satellite broadcasting receiver device antenna shall not exceed 0.8 meters and 1.2 meters for single satellite broadcasting receiver device and multiple satellite broadcasting receiver device respectively. The use of 1.2 meters diameter satellite broadcasting receiver device antenna however, is restricted to multi dwelling buildings only.

TWENTY-FIRST SCHEDULE

Class Assignment for Terrestrial Television Broadcasting Receiver Device

1. Definition

- (1) In this class assignment, "terrestrial television broadcasting receiver device" means a receiver which is used to receive television transmission from broadcasting transmitter station provided by a licensee in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A terrestrial television broadcasting receiver device shall only utilise the same frequency bands that was assigned by way of an AA for the purpose of receiving the frequency bands and such utilisation of the frequency bands, amongst other uses, is on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate a terrestrial television broadcasting receiver device to receive transmission from a broadcasting transmitter station subject the operation of the broadcasting transmitter station being authorised by an AA.

TWENTY-SECOND SCHEDULE

Class Assignment for Terrestrial Radio Broadcasting Receiver Device

1. Definition

- (1) In this class assignment "terrestrial radio broadcasting receiver device" means a receiver which is used to receive radio transmission from broadcasting transmitter station provided by a licensee in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A terrestrial radio broadcasting receiver device shall only utilise the same frequency bands that was assigned by way of an AA for the purpose of receiving the frequency bands and such utilisation of the frequency bands, amongst other uses, is on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate a terrestrial radio broadcasting receiver device to receive transmission from a broadcasting transmitter station subject to the operation of the broadcasting transmitter station being authorised by an AA.

TWENTY-THIRD SCHEDULE

Class Assignment for One-Way Radio Pager Receiver Device

1. Definition

- (1) In this class assignment, "one-way radio pager receiver device" means a one-way radiocommunications device communicating with a paging base station provided by a licensee for receiving a tone, voice, numeric or alphanumeric message in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A one-way radio pager receiver device shall only utilise the same spectrum that was assigned by way of an AA for the purpose of receiving within the spectrum and such utilisation of the spectrum, amongst other uses, is on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate a one-way radio pager receiver device to communicate only with a paging base station subject to the operation of the paging base station being authorised by an AA.

TWENTY-FOURTH SCHEDULE

Class Assignment for Satellite Radionavigation Receiver Device

1. Definition

- (1) In this class assignment, "satellite radionavigation receiver device" means a receiver device communicating with a space station which provides positional information in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

The satellite radionavigation receiver device shall only utilise the following frequency bands assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

- (a) 1164 MHz to 1400 MHz;
- (b) 1559 MHz to 1610 MHz; or
- (c) 5000 MHz to 5030 MHz.

3. Class assignment

This class assignment confers rights on any person to operate a satellite radionavigation receiver device subject to such device operating within the frequency bands as specified in paragraph 2 above.

TWENTY-FIFTH SCHEDULE

Class Assignment for Wireless CCTV Access Device

1. Definition

- (1) In this class assignment, CCTV access device means a device, either a CCTV camera or the associated terminal stations that provide for two-way point-to-point or two-way point-to-multipoint configuration for CCTV applications in the designated frequency bands not including the CCTV hub station.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency Bands

A wireless CCTV access device shall only utilise the following frequency bands assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

- (a) 2400 MHz to 2500 MHz;
- (b) 4940 MHz to 4990 MHz;
- (c) 5150 MHz to 5350 MHz;
- (d) 5650 MHz to 5725 MHz; or
- (e) 5725 MHz to 5875 MHz.

3. Class Assignment

This class assignment confers rights on any person to operate the wireless CCTV access device subject to the:

(a) conditions as specified in paragraph 4 below;

- (b) device operating within the frequency bands as specified in item (a), (c) and (e) of paragraph 2 above; and
- (c) for the device operating in frequency bands specified in item (b) and (d) of paragraph 2 above the operation of the CCTV hub station being authorised by an AA.

(1) The maximum EIRP shall not exceed the values as specified in the third column of Table 25-1.

TABLE 25-1
Frequency Bands and Maximum EIRP

Item	Frequency Bands	Maximum EIRP
1.	2400 MHz to 2500 MHz	1 W
2.	4940 MHz to 4990 MHz	1 W
3.	5150 MHz to 5350 MHz	1 W
4.	5650 MHz to 5725 MHz	1 W
5.	5725 MHz to 5875 MHz	1 W

(2) Operational Restrictions

For wireless CCTV access devices operating within the 5250 MHz to 5350 MHz frequency band, the devices must use DFS and TPC.

TWENTY-SIXTH SCHEDULE

Class Assignment for UWB Communication Device

1. Definition

- (1) In this class assignment, UWB communication device means a device that utilises the UWB technology for short-range communication, involving the intentional communication to transmit and/or receive information between devices.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency Bands

A UWB communication device shall only utilise any of the frequency bands as specified in the second column of Table 26-1 that is assigned for this class assignment, amongst other uses, on a shared non-exclusive basis.

3. Class Assignment

This class assignment confers rights on a person to operate a UWB communication device subject to the:

- (a) conditions as specified in paragraph 4 below; and
- (b) device operating within the frequency bands as referred to in paragraph 2 above.

4. Conditions

(1) The maximum EIRP density shall not exceed the values as specified in the third and fourth column of Table 26-1.

TABLE 26-1

Frequency Bands and Maximum Mean EIRP Density

		General UWB Device		UWB device in Road and Rail vehicles	
Item	Frequency Bands	Maximum mean EIRP (dBm/MHz)	Maximum peak EIRP (dBm)	Maximum mean EIRP (dBm/MHz)	Maximum peak EIRP (dBm)
1.	3100 MHz to 3400 MHz	-70.00	-36.00	-70.00	-36.00
2.	3400 MHz to 3800 MHz	-80.00	-40.00	-80.00	-40.00
3.	3800 MHz to 6000 MHz	-70.00	-30.00	-70.00	-30.00
4.	6000 MHz to 8500 MHz	-41.30	0.00	-53.30	-13.30
5.	8500 MHz to 10600 MHz	-65.00	-25.00	-65.00	-25.00

- (2) The maximum peak of EIRP density is defined in 50 MHz bandwidth.
- (3) Additional requirements for general UWB communication device:
 - (a) General UWB communication device which operates in the frequency band of 3100 MHz to 10600 MHz shall only be utilised for communication purposes and shall only be used in confined areas of buildings or localized on-site operations. Use of outdoor mounted antennae is not permissible.
 - (b) Emission of UWB communication device shall not be intentionally directed outside of the building in which the device is being used.
 - (c) Transmission of UWB communication device shall only be permitted when it is in communication with an intended receiver. The device shall cease transmission unless it receives acknowledgment from the intended receiver.
 - (d) The operation of UWB communication device is not permissible to the:
 - (i) Devices and/or antenna used or connected at fixed outdoor location;
 - (ii) Devices installed in flying models, aircraft or other aviation; and
 - (iii) Devices installed in road and rail vehicles.

- (4) Additional requirements for UWB device in road and rail vehicles:
 - (a) UWB device in road and rail vehicles that operates in the frequency band of 3100 MHz to 10600 MHz shall only be utilised for short range communications in road and rail vehicles, which include devices mounted inside or at the surface.
 - (b) The use of UWB in road and rail vehicles does not apply to fixed road infrastructure installations.
 - (c) The use of UWB device in road and rail vehicles does not apply to fixed outdoor locations, for use in flying models, aircraft and other form of aviation.
 - (d) The maximum mean EIRP spectral density for the emission outside the vehicle at elevation angles higher than 0 degree. The reference plane for the 0 degree is the sensor mounting height.

TWENTY-SEVENTH SCHEDULE

Class Assignment for Automotive Radar Device

1. Definition

- (1) In this class assignment, "automotive radar device" means a radar device mounted on land transportation vehicles to detect the location and movement of persons or objects near a vehicle.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency Bands

An automotive radar system shall only utilise any of the frequency bands as specified in the second column of Table 27-1 that is assigned for this class assignment, amongst other uses, on a shared non-exclusive basis.

Class Assignment

This class assignment confers rights on a person to operate an automotive radar device subject to the:

- (a) conditions as specified in paragraph 4 below; and
- (b) device operating within the frequency bands as referred to in paragraph 2 above.

4. Conditions

(1) The maximum mean EIRP density shall not exceed the values as specified in the third and fourth column of Table 27-1.

TABLE 27-1

Frequency Bands and Maximum Mean EIRP Density

Item	Frequency Bands	Maximum mean EIRP	Maximum peak EIRP
1.	21.65 GHz to 22 GHz	-61.30 dBm/MHz	0.00 dBm
2.	22 GHz to 29.5 GHz	-41.30 dBm/MHz	0.00 dBm
3.	76 GHz to 77 GHz	50.00 dBm	55.00 dBm
4.	77 GHz to 81 GHz	-3.00 dBm/MHz	55.00 dBm

- (2) The maximum peak of EIRP density is defined in 50 MHz bandwidth.
- (3) For the frequency band 24 GHz to 24.25 GHz, narrow band emission with a maximum peak EIRP of 30 dBm is allowed.
- (4) The emissions within 23.6 GHz to 24 GHz frequency band that appear 30° or greater above the horizontal plane shall be attenuated by at least 35 dB.
- (5) The automotive radar device shall be restricted for land transportation only.
- (6) The operation of automotive radar device shall only be activated when the land transportation or vehicle is operating.

TWENTY-EIGHTH SCHEDULE

Class Assignment for Inductive Applications

Definition

- (1) In this class assignment, "Inductive Application device" means a radiocommunications device that provides communication over short distances for example anti-theft system, wireless power transfer, RFID, asset tracking, alarm systems, utilities management, railway applications, access control, for mobile and fixed applications in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

An inductive application device shall only utilise any of the frequency bands as specified in the second column of Table 28-1 that is assigned for this class assignment, amongst other uses, on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate an inductive application device subject to-

- (a) the conditions as specified in paragraph 4 below; and
- (b) the device operating within the frequency bands as referred to in paragraph 2 above.

4. Conditions

(1) Maximum Power

The maximum power shall not exceed the values as specified in Table 28-1.

TABLE 28-1
Frequency Bands and Maximum Power

Item	Frequency Bands	Maximum Power
1.	9 kHz to 90 kHz	72 dBuA/m at 10 m
2.	90 kHz to 119 kHz	42 dBuA/m at 10 m
3.	119 kHz to 135 kHz	66 dBuA/m at 10 m
4.	135 kHz to 140 kHz	42 dBuA/m at 10 m
5.	140 kHz to 148.5 kHz	37.7 dBuA/m at 10 m
6.	315 kHz to 400 kHz	-5 dBuA/m at 10 m
7.	400 kHz to 600 kHz	-8 dBuA/m at 10 m
8.	984 kHz to 7484 kHz	9 dBuA/m at 10 m
9.	3155 kHz to 3400 kHz	13.5 dBuA/m at 10 m
10.	6765 kHz to 6795 kHz	42 dBuA/m at 10 m
11.	7400 kHz to 8800 kHz	9 dBuA/m at 10 m
12.	10200 kHz to 11000 kHz	9 dBuA/m at 10 m
13.	13553 kHz to 13567 kHz	42 dBuA/m at 10 m
14.	26957 kHz to 27283 kHz	42 dBuA/m at 10 m
15.	148.5 kHz to 30 MHz	-5 dBuA/m at 10 m

TWENTY- NINTH SCHEDULE

Class Assignment for Satellite Broadcasting Receiver Device

(Direct-to-Home by MYTV Broadcasting Sdn Bhd)

1. Definition

- (1) In this class assignment, "satellite broadcasting receiver device" means an earth station which is used to receive radio or television transmission provided by licensee in the designated frequency bands.
- (2) Subject to subparagraph (1) above, all terminologies of an absolute technical nature shall have the same meaning as provided in the International Telecommunication Convention.

2. Frequency bands

A satellite broadcasting receiver device shall only utilise the frequency band 11.463 GHz to 11.517 GHz assigned for this class assignment, amongst other uses, on a shared non-exclusive basis.

3. Class assignment

This class assignment confers rights on any person to operate a satellite broadcasting receiver device subject to the:

- (a) conditions specified in paragraph 4 below;
- (b) satellite broadcasting receiver device operating within the frequency band as specified in the paragraph 2 above; and
- (c) satellite broadcasting receiver device being connected to a network service provided through space station AsiaSat-9 operated by Asia Satellite Telecommunications Company Limited at 122° East.

(a) Satellite broadcasting receiver device antenna diameter:

The maximum diameter for a satellite broadcasting receiver device antenna shall not exceed 0.66 m for single satellite broadcasting receiver device.

(b) Content Applications Service:

The satellite broadcasting receiver device shall receive the same content applications service as received via Digital Terrestrial Television ("DTT") provided by a licensed service provider; and

(c) Locations/Areas of Service:

The satellite broadcasting receiver device shall only be used/installed at:

(i) the DTT Phase 2B-2 coverage locations/areas¹ at the DTT Phase 2B-2 sites listed below; and

No.	Site	State
1.	Bukit Chupak	Kelantan
2.	Bukit Palong	Kedah
3.	Padang Pauh	Perlis
4.	Bukit Penara	Penang
5.	Layang-Layang	Sabah
6.	Bukit Tampalagus	Sabah
7.	Bukit Kimiri	Sabah
8.	Felda Sahabat	Sabah
9.	Hotel Perkasa	Sabah
10.	Luasong	Sabah
11.	Nabawan	Sabah
12.	Gunung Telapa Buruk	Negeri Sembilan
13.	Bukit Ampangan	Sarawak
14.	Bukit Song	Sarawak
15.	Lubok Antu	Sarawak
16.	Miri	Sarawak

(ii) blind spot locations/areas2.

¹ The DTT Phase 2B-2 coverage locations/areas are to be defined according to the technical parameters in the Detailed Business Plan dated 3 June 2013 and Detailed Business Plan – Revision Part 2: Service Rollout and Coverage dated 17 March 2014.

² Blind spot locations/areas are defined as locations/areas within the DTT service area BUT cannot receive the DTT service due to signal blockage, as verified by the Commission.

Revocation

7. The Notification of Issuance of Class Assignments No. 1 of 2019 dated 7 February 2019 is revoked

Dated: 18 December 2019

AL-ISHSAL ISHAK

Chairman

Malaysian Communications and Multimedia Commission