FCC RADIO TEST REPORT

Applicant	:	LITE-ON Technology Corp.
Address	:	Bldg. C, 90, Chien 1 Rd., Chung-Ho, New Taipei City, 23585, Taiwan
Equipment	:	Access Point
Model No.	:	WP8722, WP8722-BT
Trade Name	:	LITE-ON
FCC ID	:	PPQ-WP8722

I HEREBY CERTIFY THAT :

The sample was received on Dec. 27, 2019 and the testing was completed on Mar. 10, 2020 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Supervisor

Laboratory Accreditation:

Cerpass Technology Corporation Test Laboratory

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History of this test report

Report No.	Issue Date	Description
TEFU1912251	Mar. 18, 2020	Original

1. Summary of Test Procedure and Test Results

1.1 Applicable Standards

ANSI C63.10:2013

FCC Rule	. Description of Test	Result
15.203	. CO-LOCATION	PASS

*The lab has lowered the uncertainty risk of test equipment, environment, and staff technicians according to ISO-IEC17025. Therefore we define test result as compliant when it complies with the standard without further evaluation of test result uncertainty.

*This EUT has been also tested and compiled with the requirement of FCC Part 15, Subpart B, recorded in a separate test report(TEFD1912251).

2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Frequency Range	802.11b/g/n: 2400-2483.5MHz 802.11a/n/ac: 5150-5250MHz, 5725-5850MHz
Modulation Type	802.11b: CCK, DQPSK, DBPSK 802.11g/n/a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM
Modulation Technology	DSSS, OFDM
Data Rate	802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11ac: MCS0 – MCS9, VHT20/40/80
Antenna Type	PIFA Antenna
Antenna Gain	2400-2483.5MHz: ANT A: 4.6dBi, ANT B: 4.5dBi 5150-5250MHz: ANT A: 5.1dBi, ANT B: 5.3dBi 5725-5850MHz: ANT A: 5.1dBi, ANT B: 5.3dBi

Note: For more details, please refer to the User's manual of the EUT.

Difference description

Model No.	Remark
WP8722	Market segmentation.
WP8722-BT	

Antenna list:

Antenna Number	Brand Name	Model Name	Ant. Type	Connector	Support	Max Peak Gain	Antenna Gain includes Cable loss
2G1	Walsin	RFMTA340705IMAB901	Dipole	U.FL	WIFI	2.4G: 4.6dBi	Yes
2G2	Walsin	RFMTA340716IMAB901	Dipole	U.FL	WIFI	2.4G: 4.5dBi	Yes
5G1	Walsin	RFMTA400817IM5B901	Dipole	U.FL	WIFI	5G: 5.1dBi	Yes
5G2	Walsin	RFMTA400808IM5B901	Dipole	U.FL	WIFI	5G: 5.3dBi	Yes
2G1	LYNwave	ALX20M-052AA0-00	Dipole	U.FL	WIFI	2.4G: 4.6dBi	Yes
2G2	LYNwave	ALX20M-052AA0-01	Dipole	U.FL	WIFI	2.4G: 4.5dBi	Yes
5G1	LYNwave	ALX20M-092AA0-00	Dipole	U.FL	WIFI	5G: 5.1dBi	Yes
5G2	LYNwave	ALX20M-092AA0-01	Dipole	U.FL	WIFI	5G: 5.3dBi	Yes

2.2 Test Mode and Test Software

a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
b. The complete test system included Notebook and EUT for RF test.
c. An executive program, " ART2-GUI ver. 2.3" under Windows OS system was executed to transmit and receive data via WLAN. (For WiFi 2.4G)
d. An executive program, " QRCT ver. 3.0.276.0" under Windows OS system was executed to transmit and receive data via WLAN. (For WiFi 5G)
e. The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	WiFi 2.4G 11g CH06 + WiFi 5G 11ac VHT40 CH46 , Power from Adapter
2	WiFi 2.4G 11g CH06 + WiFi 5G 11ac VHT40 CH46 , Power from PoE
caused "Test Mode 1.2" generated the worst case, it was reported as the final data.	
Radiation Emissions (30MHz ~ 1GHz)	
Test Mode	Operating Description
1	WiFi 2.4G 11g CH06 + WiFi 5G 11ac VHT40 CH46 , Power from Adapter
2	WiFi 2.4G 11g CH06 + WiFi 5G 11ac VHT40 CH46 , Power from PoE
caused "Test Mode 1.2" generated the worst case, they were reported as the final data.	
Radiation Emissions (1GHz ~ 40GHz)	
Test Mode	Operating Description
1	WiFi 2.4G 11g CH06 + WiFi 5G 11ac VHT40 CH46
caused "Test Mode 1" generated the worst case, they were reported as the final data.	

2.3 Description of Test System

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
Adapter	APD	WB-12G12FU	1.5m / NS	N/A
RJ45 Cable	N/A	N/A	1.2m / NS	N/A
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
Adapter	APD	WB-12G12FU	1.5m / NS	N/A
POE	Bluewave	JS-100GT	N/A	N/A
RJ45 Cable	N/A	N/A	15m / NS	N/A
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
Adapter	APD	WB-12G12FU	1.5m / NS	N/A
POE	Bluewave	JS-100GT	N/A	N/A
RJ45 Cable	N/A	N/A	1.2m / NS	N/A
RJ45 Cable	N/A	N/A	1.2m / NS	N/A

2.4 General Information of Test

Test Site	**Cerpass Technology Corporation Test Laboratory** Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel:+886-3-3226-888 Fax:+886-3-3226-881	
	FCC	TW1439, TW1079
	IC	4934E-1, 4934E-2
	VCCI	T-2205 for Telecommunication test C-4663 for Conducted emission test R-4218 for Radiated emission test G-10812, G-10813 for radiated disturbance above 1GHz
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 40,000MHz	
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.	

Test Item	Test Site	Finish Date	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2020/03/09	22℃ / 63%	Nick Guan
Radiated Emissions	3M02-NK	2020/03/10	24℃ / 56%	Vic Yeh
AC Power Line Conducted Emission	CON01-NK	2020/02/29	22℃ / 49%	Leon Huang

2.5 Measurement Uncertainty

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±1.60dB
Radiated Spurious Emission(9KHz~30MHz)	±3.405dB
Radiated Spurious Emission(30MHz~1GHz)	±5.326dB
Radiated Spurious Emission(1GHz~25GHz)	±5.918dB

3. Test Equipment and Ancillaries Used for Tests

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Schwarzbeck	VULB9168	275	2019/09/24	2020/09/23
Bilog Antenna	Schwarzbeck	VULB9168	369	2019/03/29	2020/03/28
Active Loop Antenna	EMCO	6507	40855	2019/05/24	2020/05/23
Horn Antenna	EMCO	3115	31589	2019/04/01	2020/03/31
Horn Anrenna	EMCO	3116	31974	2019/09/17	2020/09/16
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2019/05/14	2020/05/13
Spectrum Analyzer	ROHDE & SCHWARZ	FSP 40	100219	2019/07/22	2020/07/21
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2019/08/02	2020/08/01
Preamplifier	EM Electronics corp.	EM330	60660	2019/03/11	2020/03/10
Preamplifier	EMC INSTRUMENTS	EMC051845SE	980333	2019/09/20	2020/09/19
Preamplifier	Agilent	8449B	3008A01954	2019/03/11	2020/03/10
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2019/11/07	2020/11/06
Bluetooth Tester	ROHDE & SCHWARZ	CBT	101133	2019/04/07	2020/04/06
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2019/04/09	2020/04/08
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1316	2019/09/20	2020/09/19
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 100	805443/4	2019/05/20	2020/05/19
Cable-3m(1G-40G)	HUBER SUHNER	SUCOFLEX 100	805796/4	2019/05/20	2020/05/19
Cable-8m(1G-40G)	HUBER SUHNER	SUCOFLEX 100	805795/4	2019/05/20	2020/05/19
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA

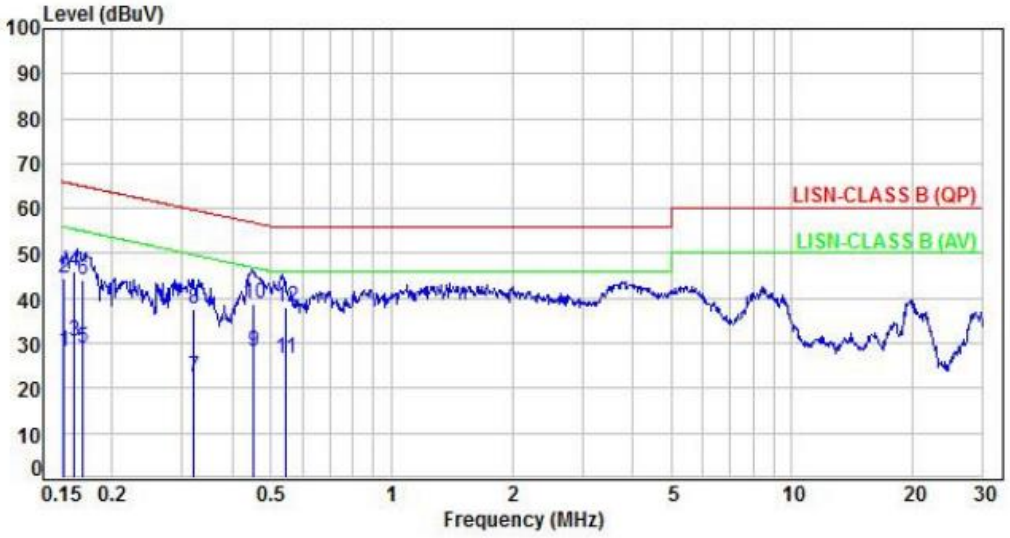
Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Spectrum Analyzer	ROHDE & SCHWARZ	FSP 40	100219	2019/07/22	2020/07/21
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2019/08/02	2020/08/01
Bluetooth Tester	ROHDE & SCHWARZ	CBT	101133	2019/04/07	2020/04/06
Attenuator	KEYSIGHT	8491B	MY39250703	2019/09/12	2020/09/11
TEMP & HUMI CHAMBER	T-MACHINE	TMJ-9712	T-12-040111	2019/08/28	2020/08/27
Power Meter	Anritsu	ML2495A	1224005	2019/04/11	2020/04/10
Power Sensor	Anritsu	MA2411B	1207295	2019/04/09	2020/04/08

Test Item	AC Power Line Conducted Emission				
Test Site	CON01-NK				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
EMI Receiver	ROHDE & SCHWARZ	ESCI	100821	2019/09/16	2020/09/15
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-568	2019/03/15	2020/03/14
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101934	2019/03/12	2020/03/11
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2019/03/14	2020/03/13
E3	AUDIX	v8.2014-8-6	RK-000531	NA	NA

4. Test of AC Power Line Conducted Emission

4.1 Test Result and Data

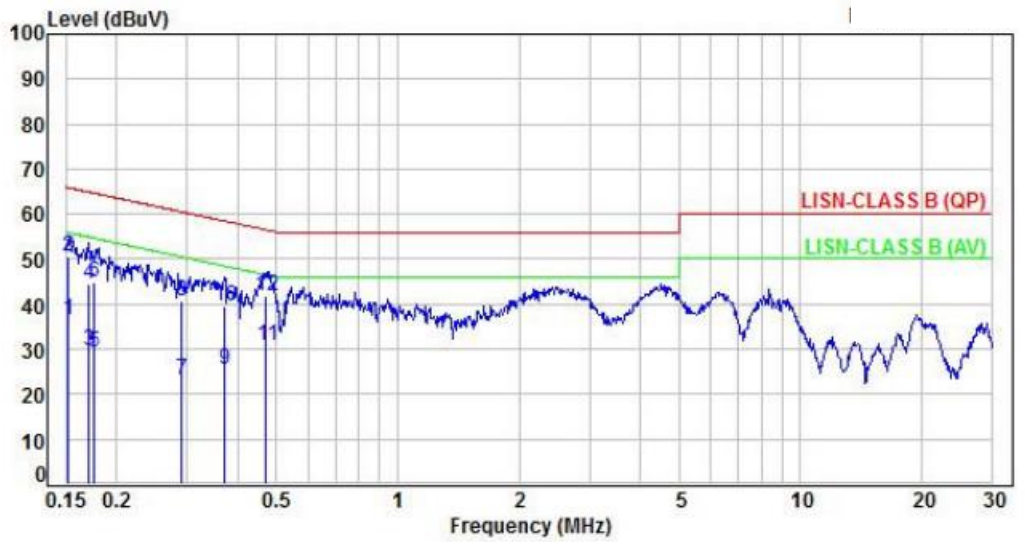
Power :	AC 120V / 60Hz	Pol/Phase :	LINE
Test Mode :	Mode 1, CH46	:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.92	18.39	28.31	55.92	-27.61	Average	P
2	0.15	9.92	34.42	44.34	65.92	-21.58	QP	P
3	0.16	9.92	20.56	30.48	55.42	-24.94	Average	P
4	0.16	9.92	36.19	46.11	65.42	-19.31	QP	P
5	0.17	9.92	18.82	28.74	55.01	-26.27	Average	P
6	0.17	9.92	34.16	44.08	65.01	-20.93	QP	P
7	0.32	9.94	12.32	22.26	49.74	-27.48	Average	P
8	0.32	9.94	27.61	37.55	59.74	-22.19	QP	P
9	0.45	9.94	18.23	28.17	46.81	-18.64	Average	P
10	0.45	9.94	28.77	38.71	56.81	-18.10	QP	P
11	0.54	9.95	16.72	26.67	46.00	-19.33	Average	P
12	0.54	9.95	27.97	37.92	56.00	-18.08	QP	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=(LISN or ISN or Current Probe)Factor + Cable Loss

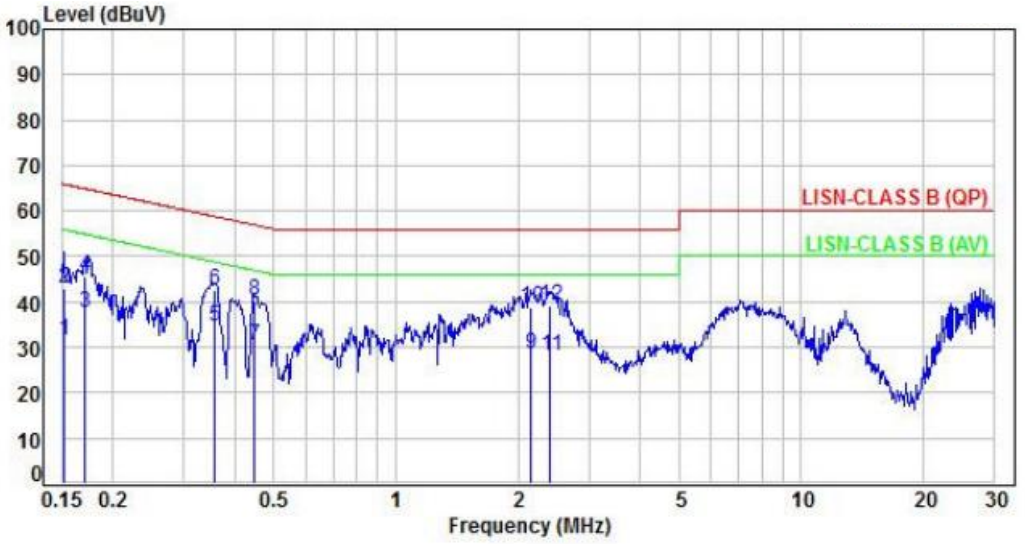
Power :	AC 120V / 60Hz	Pol/Phase :	NEUTRAL
Test Mode :	Mode 1, CH46	:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.95	26.59	36.54	55.94	-19.40	Average	P
2	0.15	9.95	40.76	50.71	65.94	-15.23	QP	P
3	0.17	9.95	19.54	29.49	54.93	-25.44	Average	P
4	0.17	9.95	34.72	44.67	64.93	-20.26	QP	P
5	0.18	9.95	19.16	29.11	54.66	-25.55	Average	P
6	0.18	9.95	34.76	44.71	64.66	-19.95	QP	P
7	0.29	9.95	13.36	23.31	50.52	-27.21	Average	P
8	0.29	9.95	30.57	40.52	60.52	-20.00	QP	P
9	0.37	9.96	15.45	25.41	48.47	-23.06	Average	P
10	0.37	9.96	29.51	39.47	58.47	-19.00	QP	P
11	0.47	9.96	20.79	30.75	46.48	-15.73	Average	P
12	0.47	9.96	31.99	41.95	56.48	-14.53	QP	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=(LISN or ISN or Current Probe)Factor + Cable Loss

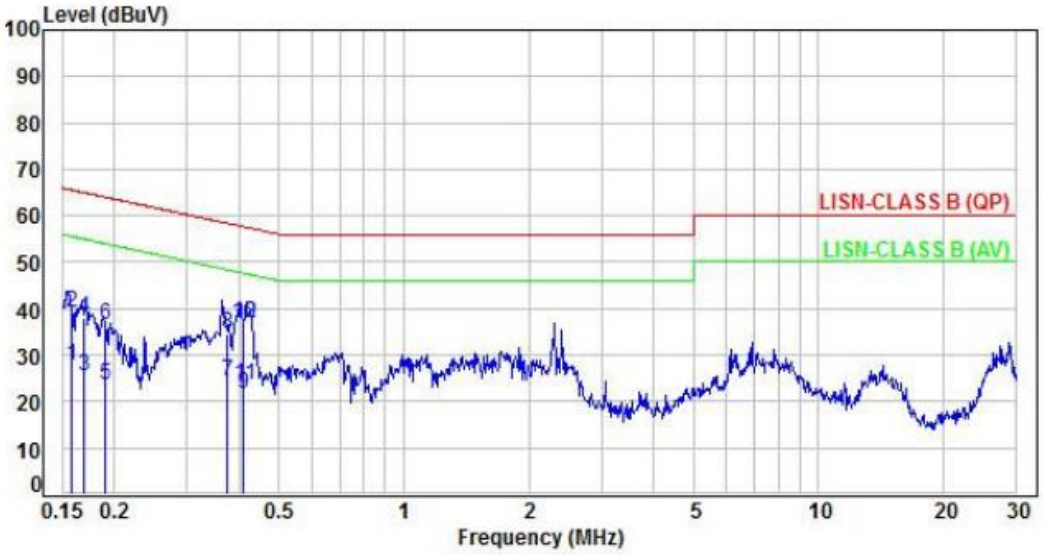
Power :	AC 120V / 60Hz	Pol/Phase :	LINE
Test Mode :	Mode 2, CH46	:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.92	21.61	31.53	55.87	-24.34	Average	P
2	0.15	9.92	32.87	42.79	65.87	-23.08	QP	P
3	0.17	9.92	27.90	37.82	54.95	-17.13	Average	P
4	0.17	9.92	35.76	45.68	64.95	-19.27	QP	P
5	0.36	9.94	24.58	34.52	48.84	-14.32	Average	P
6	0.36	9.94	32.58	42.52	58.84	-16.32	QP	P
7	0.45	9.94	20.54	30.48	46.93	-16.45	Average	P
8	0.45	9.94	30.46	40.40	56.93	-16.53	QP	P
9	2.15	10.01	18.33	28.34	46.00	-17.66	Average	P
10	2.15	10.01	28.69	38.70	56.00	-17.30	QP	P
11	2.40	10.02	18.17	28.19	46.00	-17.81	Average	P
12	2.40	10.02	29.08	39.10	56.00	-16.90	QP	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=(LISN or ISN or Current Probe)Factor + Cable Loss

Power :	AC 120V / 60Hz	Pol/Phase :	NEUTRAL
Test Mode :	Mode 2, CH46	:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.16	9.95	17.78	27.73	55.58	-27.85	Average	P
2	0.16	9.95	29.06	39.01	65.58	-26.57	QP	P
3	0.17	9.95	15.57	25.52	55.00	-29.48	Average	P
4	0.17	9.95	27.98	37.93	65.00	-27.07	QP	P
5	0.19	9.95	13.59	23.54	54.06	-30.52	Average	P
6	0.19	9.95	26.37	36.32	64.06	-27.74	QP	P
7	0.37	9.96	14.21	24.17	48.42	-24.25	Average	P
8	0.37	9.96	24.49	34.45	58.42	-23.97	QP	P
9	0.41	9.96	11.85	21.81	47.67	-25.86	Average	P
10	0.41	9.96	27.06	37.02	57.67	-20.65	QP	P
11	0.41	9.96	13.48	23.44	47.63	-24.19	Average	P
12	0.41	9.96	26.80	36.76	57.63	-20.87	QP	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=(LISN or ISN or Current Probe)Factor + Cable Loss

5. Test of Spurious Emission (Radiated)

5.1 Test Limit

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter measurement is based on the maximum conducted output power, the attenuation required under this paragraph shall be 30dB instead of 20dB. In addition, radiated emissions which fall in section 15.205(a) the restricted bands must also comply with the radiated emission limit specified in section 15.209(a).

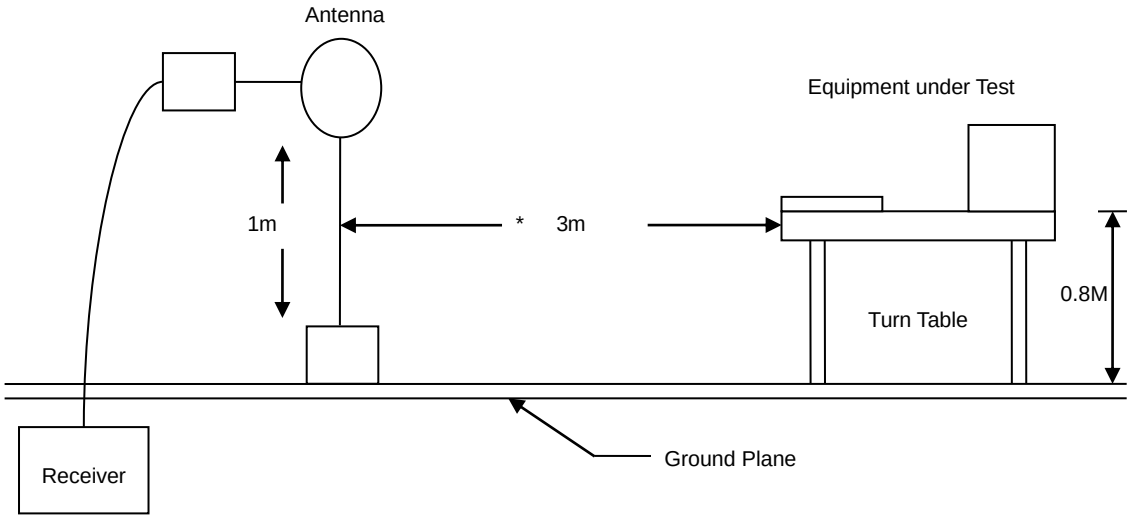
Frequency (MHz)	Field Strength (microvolt/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

5.2 Test Procedures

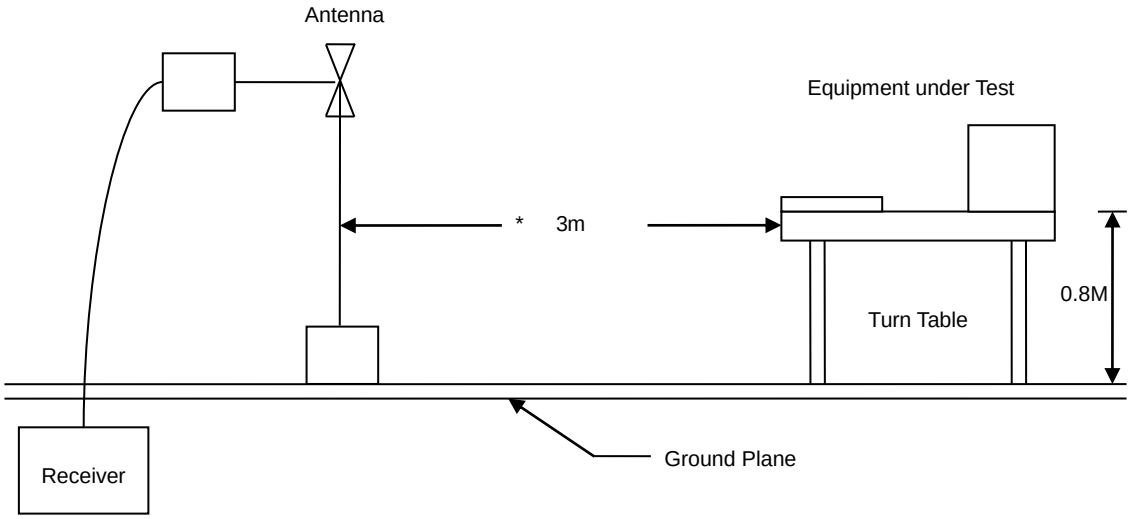
a. The EUT was placed on a rotatable table top 0.8 meter above ground.
b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
c. The table was rotated 360 degrees to determine the position of the highest radiation.
d. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
f. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
g. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
h. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
i. “Cone of radiation” has been considered to be 3dB bandwidth of the measurement antenna.

5.3 Typical Test Setup

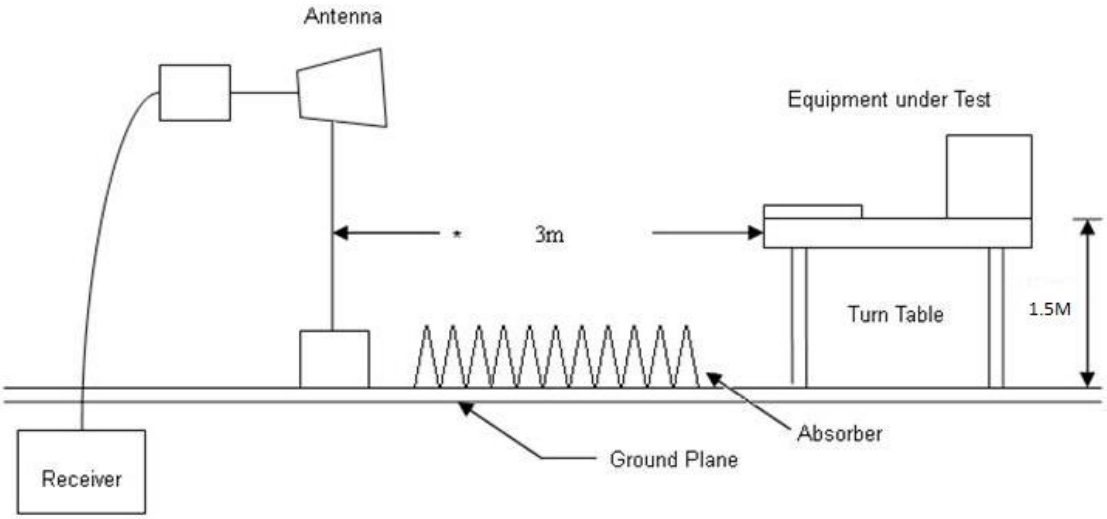
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup

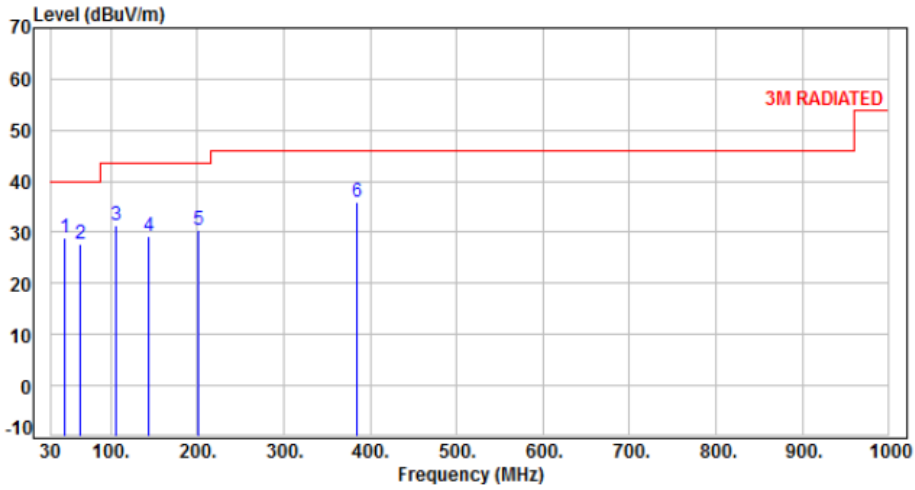


5.4 Test Result and Data (9kHz ~ 30MHz)

The 9kHz - 30MHz spurious emission is under limit 20dB more.

5.5 Test Result and Data (30MHz ~ 1GHz)

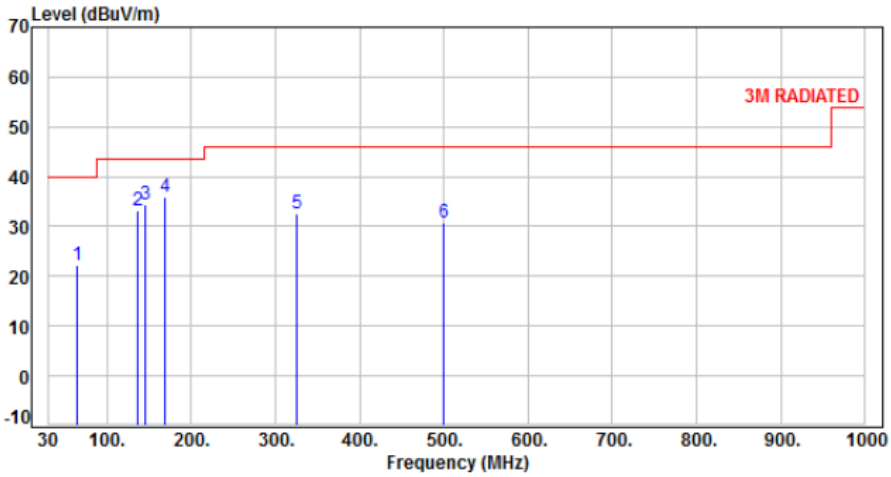
Power :	AC 120V / 60Hz	Pol/Phase :	VERTICAL
Test Mode :	Mode 1, CH46	:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	46.49	-9.30	38.12	28.82	40.00	-11.18	Peak	150	0	P
2	64.92	-10.68	38.27	27.59	40.00	-12.41	Peak	150	0	P
3	106.63	-12.96	44.27	31.31	43.50	-12.19	Peak	150	0	P
4	143.49	-9.62	38.98	29.36	43.50	-14.14	Peak	150	0	P
5	200.72	-12.12	42.59	30.47	43.50	-13.03	Peak	150	0	P
6	384.05	-6.10	42.15	36.05	46.00	-9.95	Peak	150	0	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

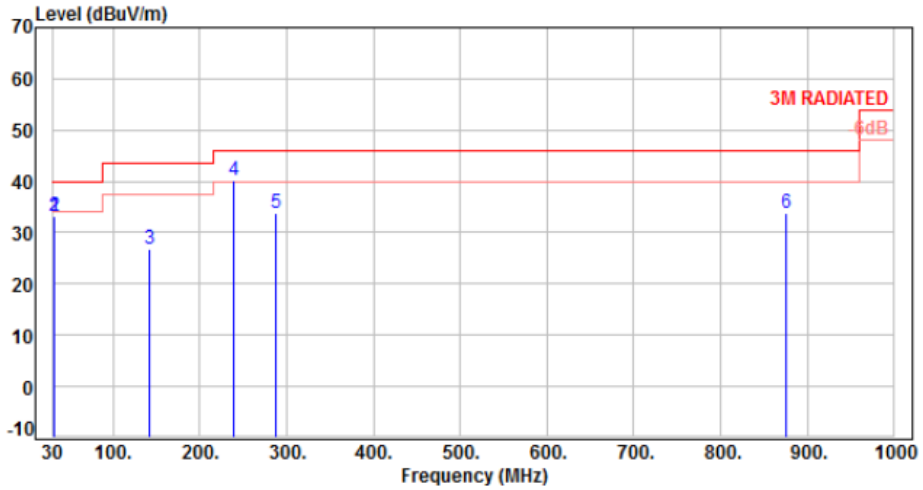
Power :	AC 120V / 60Hz	Pol/Phase :	HORIZONTAL
Test Mode :	Mode 1, CH46	:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	64.92	-10.68	33.03	22.35	40.00	-17.65	Peak	100	0	P
2	136.70	-10.15	43.24	33.09	43.50	-10.41	Peak	100	0	P
3	145.43	-9.57	44.06	34.49	43.50	-9.01	Peak	100	0	P
4	169.68	-9.74	45.53	35.79	43.50	-7.71	Peak	100	0	P
5	324.88	-7.63	40.18	32.55	46.00	-13.45	Peak	100	0	P
6	500.45	-3.57	34.45	30.88	46.00	-15.12	Peak	100	0	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

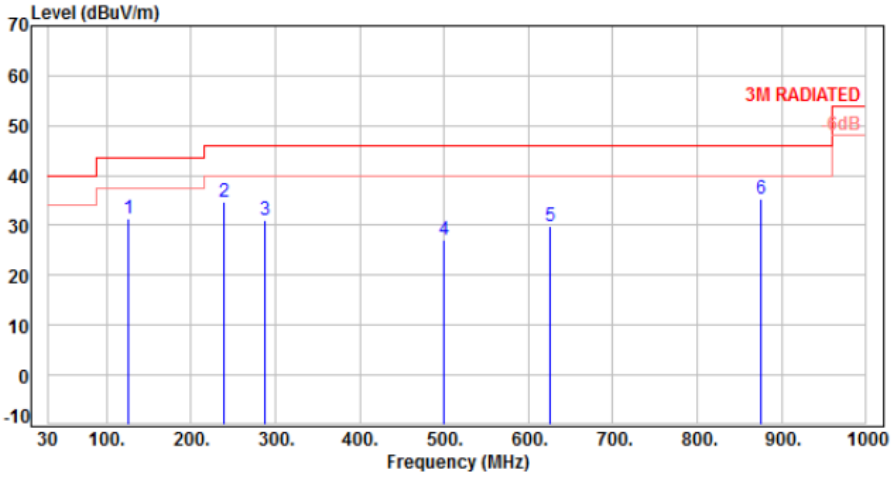
Power :	AC 120V / 60Hz	Pol/Phase :	VERTICAL
Test Mode :	Mode 2, CH46	:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	31.94	-10.25	43.43	33.18	40.00	-6.82	Peak	100	0	P
2	31.94	-10.25	43.43	33.18	40.00	-6.82	Peak	100	0	P
3	142.52	-9.67	36.54	26.87	43.50	-16.63	Peak	100	0	P
4	239.52	-10.60	50.67	40.07	46.00	-5.93	Peak	100	0	P
5	288.02	-8.86	42.57	33.71	46.00	-12.29	Peak	100	0	P
6	875.84	2.97	30.79	33.76	46.00	-12.24	Peak	100	0	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

Power :	AC 120V / 60Hz	Pol/Phase :	HORIZONTAL
Test Mode :	Mode 2, CH46	:	

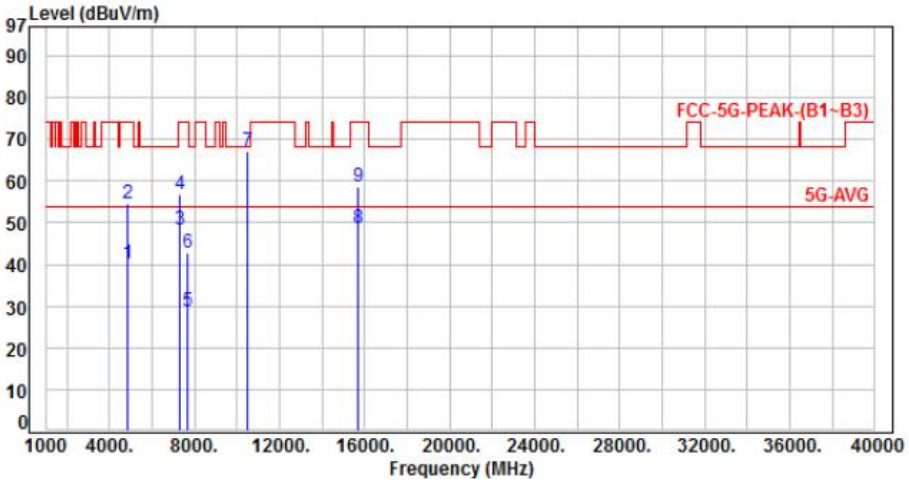


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	125.06	-11.31	42.53	31.22	43.50	-12.28	Peak	100	0	P
2	239.52	-10.60	45.33	34.73	46.00	-11.27	Peak	100	0	P
3	288.02	-8.86	39.81	30.95	46.00	-15.05	Peak	100	0	P
4	499.48	-3.59	30.77	27.18	46.00	-18.82	Peak	100	0	P
5	625.58	-0.71	30.46	29.75	46.00	-16.25	Peak	100	0	P
6	875.84	2.97	32.33	35.30	46.00	-10.70	Peak	100	0	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

5.6 Test Result and Data (1GHz ~ 25GHz)

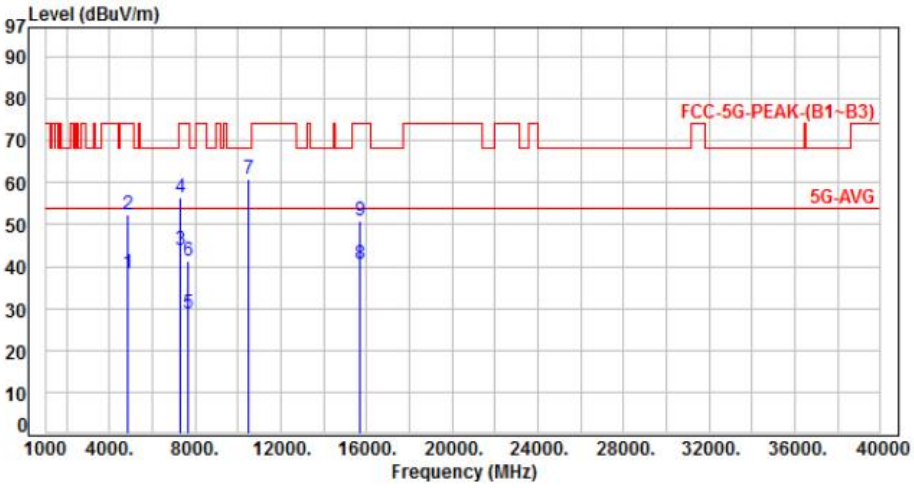
Power :	AC 120V / 60Hz	Pol/Phase :	VERTICAL
Test Mode :	Mode 1, CH46	:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	4874.00	-12.17	52.46	40.29	54.00	-13.71	Average	100	180	P
2	4874.00	-12.17	66.82	54.65	74.00	-19.35	Peak	100	180	P
3	7311.00	-8.14	56.35	48.21	54.00	-5.79	Average	382	311	P
4	7311.00	-8.14	64.79	56.65	74.00	-17.35	Peak	382	311	P
5	7667.00	-8.24	37.08	28.84	54.00	-25.16	Average	100	202	P
6	7667.00	-8.24	51.04	42.80	74.00	-31.20	Peak	100	202	P
7	10460.00	-5.70	72.67	66.97	68.20	-1.23	Peak	228	223	P
8	15690.00	-1.01	49.70	48.69	54.00	-5.31	Average	100	66	P
9	15690.00	-1.01	59.50	58.49	74.00	-15.51	Peak	100	66	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

Power :	AC 120V / 60Hz	Pol/Phase :	HORIZONTAL
Test Mode :	Mode 1, CH46	:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	4874.00	-12.17	50.63	38.46	54.00	-15.54	Average	366	172	P
2	4874.00	-12.17	64.64	52.47	74.00	-21.53	Peak	366	172	P
3	7311.00	-8.14	52.12	43.98	54.00	-10.02	Average	352	228	P
4	7311.00	-8.14	64.69	56.55	74.00	-17.45	Peak	352	228	P
5	7667.00	-8.24	36.89	28.65	54.00	-25.35	Average	100	312	P
6	7667.00	-8.24	49.64	41.40	74.00	-32.60	Peak	100	312	P
7	10460.00	-5.70	66.51	60.81	68.20	-7.39	Peak	331	149	P
8	15690.00	-1.01	41.76	40.75	54.00	-13.25	Average	100	83	P
9	15690.00	-1.01	51.85	50.84	74.00	-23.16	Peak	100	83	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

5.7 Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

**: Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz