FCC Test Report

Report No.:	RF140707C54I-1
FCC ID:	M82-UTX-3115
Test Model:	UTX-3115
Series Model:	UTX-3115XXXXXXXXXXXXXXX, UTX3115XXXXXXXXXXXXXXX (“X” can be 0-9 or A-Z or blank or any alphanumeric character), HPE Edgeline EL10
Received Date:	Jun. 18, 2014
Test Date:	Mar. 12 ~ Mar. 24, 2016 (For radiated emission above 1GHz test) Aug. 30 ~ Oct. 03, 2016 (For radiated emission below 1GHz and power line conducted emission Tests)
Issued Date:	Oct. 03, 2016
Applicant:	ADVANTECH CO., LTD
Address:	No. 1, Alley 20, Lane 26, Rueiguang Rd, Neihu District, Taipei, Taiwan 114
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN (R.O.C.)

Table of Contents

Release Control Record 3

1 Certificate of Conformity 4

2 Summary of Test Results 5

2.1 Measurement Uncertainty 5
2.2 Modification Record 5

3 General Information 6

3.1 General Description of EUT 6
3.2 Description of Test Modes 8
3.2.1 Test Mode Applicability and Tested Channel Detail 10
3.3 Description of Support Units 12
3.3.1 Configuration of System under Test 12
3.4 General Description of Applied Standards 12

4 Test Types and Results 13

4.1 Radiated Emission and Bandedge Measurement 13
4.1.1 Limits of Radiated Emission and Bandedge Measurement 13
4.1.2 Test Instruments 14
4.1.3 Test Procedures 15
4.1.4 Deviation from Test Standard 15
4.1.5 Test Set Up 16
4.1.6 EUT Operating Conditions 17
4.1.7 Test Results 18
4.2 Conducted Emission Measurement 95
4.2.1 Limits of Conducted Emission Measurement 95
4.2.2 Test Instruments 95
4.2.3 Test Procedures 96
4.2.4 Deviation from Test Standard 96
4.2.5 Test Setup 96
4.2.6 EUT Operating Conditions 96
4.2.7 Test Results 97

5 Pictures of Test Arrangements 101

Appendix – Information on the Testing Laboratories 102

Release Control Record

Issue No.	Description	Date Issued
RF140707C54I-1	Original release	Oct. 03, 2016

1 Certificate of Conformity

Product:	COMPUTER
Brand:	Advantech, Hewlett Packard Enterprise
Test Model:	UTX-3115
Series Model:	UTX-3115XXXXXXXXXXXXXXX, UTX3115XXXXXXXXXXXXXXX ("X" can be 0-9 or A-Z or blank or any alphanumeric character), HPE Edgeline EL10
Sample Status:	Engineering sample
Applicant:	ADVANTECH CO., LTD
Test Date:	Mar. 12 ~ Mar. 24, 2016 (For radiated emission above 1GHz test) Aug. 30 ~ Oct. 03, 2016 (For radiated emission below 1GHz and power line conducted emission Tests)
Standards:	47 CFR FCC Part 15, Subpart E (Section 15.407) ANSI C63.10:2013

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : Celine Chou , **Date:** Oct. 03, 2016

Celine Chou / Specialist

Approved by : Ken Liu , **Date:** Oct. 03, 2016

Ken Liu / Senior Manager

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
FCC Clause	Test Item	Result	Remarks
15.407(b)(6)	AC Power Conducted Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -16.57dB at 0.15000MHz.
15.407(b) (1/2/3/4(i/ii)/6)	Radiated Emissions & Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -0.9dB at 5350.00MHz
15.407(a)(1/2/3)	Max Average Transmit Power	NA	Refer to Note below.
15.407(a)(1/2/3)	Peak Power Spectral Density	NA	Refer to Note below.
15.407(g)	Frequency Stability	NA	Refer to Note below.
15.203	Antenna Requirement	Pass	Antenna connector is SMA (M) not a standard connector.

Note: Test items for conducted and radiated emission test were performed for this report. Other testing data please refer to module (Brand: Intel, Model: 7260HMW, FCC ID: PD97260H) Report.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) (±)
Conducted Emissions at mains ports0	150kHz ~ 30MHz	2.44 dB
Radiated Emissions up to 1 GHz	30MHz ~ 200MHz	3.63 dB
	200MHz ~1000MHz	3.64 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	2.29 dB
	18GHz ~ 40GHz	2.29 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	COMPUTER
Brand	Advantech, Hewlett Packard Enterprise
Test Model	UTX-3115
Series Model	HPE Edgeline EL10
Model Difference	Refer to Note
Status of EUT	Engineering sample
Power Supply Rating	12Vdc from Adapter
Modulation Type	256QAM, 64QAM, 16QAM, QPSK, BPSK
Modulation Technology	OFDM
Transfer Rate	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 450.0Mbps 802.11ac: up to 866.7Mbps
Operating Frequency	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5700MHz
Number of Channel	5180 ~ 5240MHz: 4 for 802.11a, 802.11n (20MHz) , 802.11ac (20MHz) 2 for 802.11n (40MHz) , 802.11ac (40MHz) 1 for 802.11ac (80MHz) 5260 ~ 5320MHz: 4 for 802.11a, 802.11n (20MHz) , 802.11ac (20MHz) 2 for 802.11n (40MHz) , 802.11ac (40MHz) 1 for 802.11ac (80MHz) 5500 ~ 5700MHz: 8 for 802.11a, 802.11n (20MHz) , 802.11ac (20MHz) 3 for 802.11n (40MHz) , 802.11ac (40MHz) 1 for 802.11ac (80MHz)
Antenna Type	Dipole antenna with 1.4dBi gain
Antenna Connector	SMA (M)
Accessory Device	Refer to note
Data Cable Supplied	NA

Note:

1. This report is prepared for FCC class II permissive change
2. This report is issued as a supplementary report to the original BV ADT report no.: RF140707C54D-1. The differences compared with original report are adding components and updating U-NII Band to new rules, due to the output power of EUT was same as the original one, only radiated emission and power line conducted emission had been tested for this addendum.

3. All models are listed as below.

Brand	Model	Difference
Advantech	UTX-3115XXXXXXXXXXXXXXX (“X” can be 0-9 or A-Z or blank or any alphanumeric character)	For marketing purpose.
	UTX3115XXXXXXXXXXXXXXX (“X” can be 0-9 or A-Z or blank or any alphanumeric character)	
Hewlett Packard Enterprise	HPE Edgeline EL10	

* Model UTX-3115 was chosen for final test.

4. The EUT incorporates a MIMO function. Physically, the EUT provides 2 completed transmitters and 2 receivers.

Modulation Mode	TX Function
802.11a	1TX
802.11n (20MHz)	1TX / 2TX
802.11n (40MHz)	1TX / 2TX
802.11ac (20MHz)	1TX / 2TX
802.11ac (40MHz)	1TX / 2TX
802.11ac (80MHz)	1TX / 2TX

* The modulation and bandwidth are similar for 802.11n mode for 20MHz/40MHz and 802.11ac mode for 20MHz/40MHz, therefore investigated worst case to representative mode in test report. (Final test mode refer section 3.2.1)

5. The EUT uses the following components. (New components are marked in boldface.)

Part	Specification	Vendor	Model
Main board	-	Advantech	AIMB-115
Memory	DDR3L 4GB	Apacer	PC3-1066 CL9
SSD	32GB	Plextor	PX-32G5Le-72
	64GB	**Plextor**	**PX-64G5Le-72**
	64GB	**Liteon**	**PZ8-CC064**
	64GB	**Advantech**	**SQF-S25M4-64G-S9E**
	64GB	**Transcend**	**96FD25-S064-TR7**
CPU	1.4GHz	Intel	ATOM E3826
3G Module	-	Telit	HE910
Wi-Fi Module	-	Intel	7260HMW
Adapter 1	I/P: 100-240Vac, 50-60Hz, 1.5A O/P: 12Vdc, 3A DC: 1.5m cable with one core attached on adapter AC: 1.8m shielded cable without core	FSP	FSP036-RAB
Adapter 2	**I/P: 100-240Vac, 50-60Hz, 1.2A** **O/P: 12Vdc, 3A** **DC: 1.45m cable with one core attached on adapter** **AC: 1.8m shielded cable without core**	**FSP**	**FSP036-RBBN2**

3.2 Description of Test Modes

For 5180 ~ 5240MHz

4 channels are provided for 802.11a, 802.11n (20MHz), 802.11ac (20MHz):

Channel	Frequency	Channel	Frequency
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

2 channels are provided for 802.11n (40MHz), 802.11ac (40MHz):

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (80MHz):

Channel	Frequency
42	5210MHz

For 5260 ~ 5320MHz

4 channels are provided for 802.11a, 802.11n (20MHz), 802.11ac (20MHz):

Channel	Frequency	Channel	Frequency
52	5260 MHz	60	5300 MHz
56	5280 MHz	64	5320 MHz

2 channels are provided for 802.11n (40MHz), 802.11ac (40MHz):

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

1 channel is provided for 802.11ac (80MHz):

Channel	Frequency
58	5290 MHz

For 5500 ~ 5700MHz

8 channels are provided for 802.11a, 802.11n (20MHz), 802.11ac (20MHz):

Channel	Frequency	Channel	Frequency
100	5500 MHz	116	5580 MHz
104	5520 MHz	132	5660 MHz
108	5540 MHz	136	5680 MHz
112	5560 MHz	140	5700 MHz

3 channels are provided for 802.11n (40MHz), 802.11ac (40MHz):

Channel	Frequency	Channel	Frequency
102	5510 MHz	134	5670 MHz
110	5550 MHz		

1 channel is provided for 802.11ac (80MHz):

Channel	Frequency
106	5530MHz

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE MODE	APPLICABLE TO			DESCRIPTION
	RE≥1G	RE<1G	PLC	
A	√	√	√	Powered by adapter 1 + Plextor SSD (32GB)
B	-	√	√	Powered by adapter 2 + Liteon SSD (64GB)

Where **RE≥1G:** Radiated Emission above 1GHz & Bandedge Measurement **RE<1G:** Radiated Emission below 1GHz

PLC: Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

Note: The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.

Radiated Emission Test (Above 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6.0
A	802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	7.2
A	802.11n (40MHz)		38 to 46	38, 46	OFDM	BPSK	15.0
A	802.11ac (80MHz)		42	42	OFDM	BPSK	65.0
A	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6.0
A	802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	BPSK	7.2
A	802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	15.0
A	802.11ac (80MHz)		58	58	OFDM	BPSK	65.0
A	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6.0
A	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	7.2
A	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	15.0
A	802.11ac (80MHz)		106	106	OFDM	BPSK	65.0

Radiated Emission Test (Below 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A, B	802.11a	5180-5240	36 to 48	36	OFDM	BPSK	6.0
		5260-5320	52 to 64		OFDM	BPSK	6.0
		5500-5700	100 to 140		OFDM	BPSK	6.0

Power Line Conducted Emission Test:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A, B	802.11a	5180-5240	36 to 48	36	OFDM	BPSK	6.0
		5260-5320	52 to 64		OFDM	BPSK	6.0
		5500-5700	100 to 140		OFDM	BPSK	6.0

Test Condition:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE≥1G	22deg. C, 66%RH	120Vac, 60Hz	Tank Wu
RE<1G	20deg. C, 69%RH 25deg. C, 69%RH	120Vac, 60Hz	Bond Tseng
PLC	25deg. C, 75%RH 20deg. C, 69%RH	120Vac, 60Hz	Chris Lin Bayu Wu

3.3 Description of Support Units

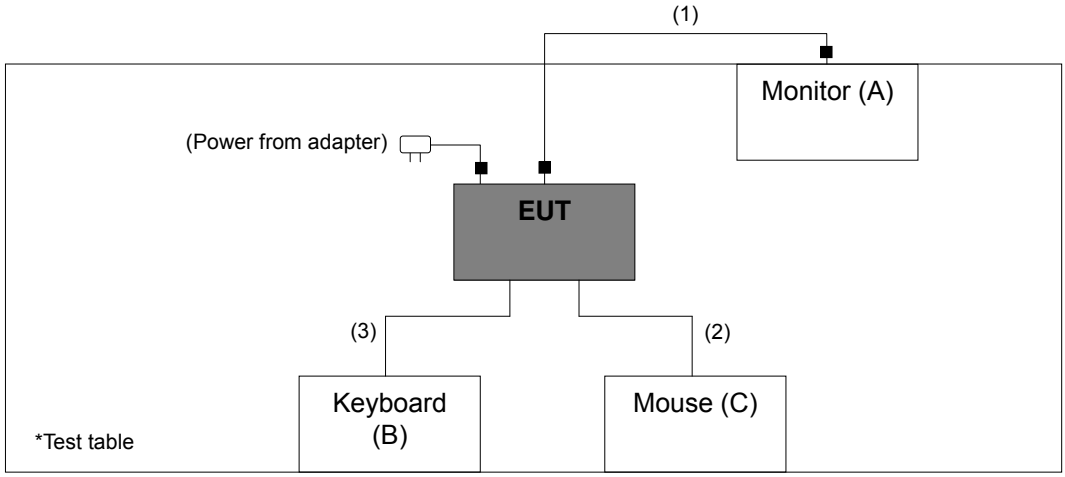
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Monitor	Samsung	173v	N/A	FCC DoC Approved	-
B.	Mouse	DELL	MS-111T	CN-0KW2YH-71616-28H-0L30	N/A	-
C.	Keyboard	WINTEK	WM700	20110700000	N/A	-

Note: All power cords of the above support units are non-shielded (1.8m).

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	D-Sub	1	1.8	Y	2	-
2.	USB	1	1.8	Y	0	-
3.	USB	1	1.8	Y	0	-

3.3.1 Configuration of System under Test



3.4 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart E (15.407)

KDB 789033 D02 General UNII Test Procedures New Rules v01r03

KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10-2013

All test items have been performed and recorded as per the above standards.

Note: The EUT has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (MHz)	Field Strength (microvolts/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

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

Limits of unwanted emission out of the restricted bands

<table>
<tr><td colspan="3">Applicable To</td><td colspan="2">Limit</td></tr>
<tr><td colspan="3" rowspan="2">789033 D02 General UNII Test Procedure New Rules v01r03</td><td colspan="2">Field Strength at 3m</td></tr>
<tr><td>PK:74 (dBμV/m)</td><td>AV:54 (dBμV/m)</td></tr>
<tr><td>Frequency Band</td><td colspan="2">Applicable To</td><td>EIRP Limit</td><td>Equivalent Field Strength at 3m</td></tr>
<tr><td>5150~5250 MHz</td><td colspan="2">15.407(b)(1)</td><td rowspan="3">PK:-27 (dBm/MHz)</td><td rowspan="3">PK:68.2(dBμV/m)</td></tr>
<tr><td>5250~5350 MHz</td><td colspan="2">15.407(b)(2)</td></tr>
<tr><td>5470~5725 MHz</td><td colspan="2">15.407(b)(3)</td></tr>
<tr><td rowspan="2">5725~5850 MHz</td><td>☒</td><td>15.407(b)(4)(i)</td><td>PK:-27 (dBm/MHz) *1
PK:10 (dBm/MHz) *2
PK:15.6 (dBm/MHz) *3
PK:27 (dBm/MHz) *4</td><td>PK: 68.2(dBμV/m) *1
PK:105.2 (dBμV/m) *2
PK: 110.8(dBμV/m) *3
PK:122.2 (dBμV/m) *4</td></tr>
<tr><td>☐</td><td>15.407(b)(4)(ii)</td><td colspan="2">Emission limits in section 15.247(d)</td></tr>
<tr><td colspan="5">*1 beyond 75 MHz or more above of the band edge.
*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.
*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.
*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.</td></tr>
</table>

Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$E = \frac{1000000\sqrt{30P}}{3}$ μV/m, where P is the eirp (Watts).

4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESCS30	100289	Dec. 23, 2015	Dec. 22, 2016
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Apr. 19, 2015	Apr. 18, 2016
			Apr. 19, 2016	Apr. 18, 2017
BILOG Antenna SCHWARZBECK	VULB9168	9168-148	Jan. 18, 2016	Jan. 17, 2017
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-1169	Jan. 08, 2016	Jan. 07, 2017
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Jan. 18, 2016	Jan. 17, 2017
Loop Antenna	EM-6879	269	Aug. 11, 2015	Aug. 10, 2016
			Aug. 11, 2016	Aug. 10, 2017
Preamplifier Agilent	8449B	3008A01911	Aug. 09, 2015	Aug. 08, 2016
			Aug. 09, 2016	Aug. 08, 2017
Preamplifier Agilent	8447D	2944A10638	Aug. 09, 2015	Aug. 08, 2016
			Aug. 09, 2016	Aug. 08, 2017
RF signal cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-02(309222 +248780)	Aug. 09, 2015	Aug. 08, 2016
			Aug. 09, 2016	Aug. 08, 2017
RF signal cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-03(274092)	Aug. 09, 2015	Aug. 08, 2016
			Aug. 09, 2016	Aug. 08, 2017
RF signal cable Woken	8D-FB	Cable-CH9-01	Aug. 09, 2015	Aug. 08, 2016
			Aug. 09, 2016	Aug. 08, 2017
Software BV ADT	ADT_Radiated_ V7.6.15.9.4	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower &Turn BV ADT	AT100	AT93021705	NA	NA
Turn Table BV ADT	TT100	TT93021705	NA	NA
Turn Table Controller BV ADT	SC100	SC93021705	NA	NA
26GHz ~ 40GHz Amplifier	EM26400	815221	Oct. 18, 2015	Oct. 17, 2016

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Chamber 9.
3. The horn antenna and preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 215374.
5. The IC Site Registration No. is IC 7450F-9.

4.1.3 Test Procedures

For Radiated emission below 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. Both X and Y axes of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

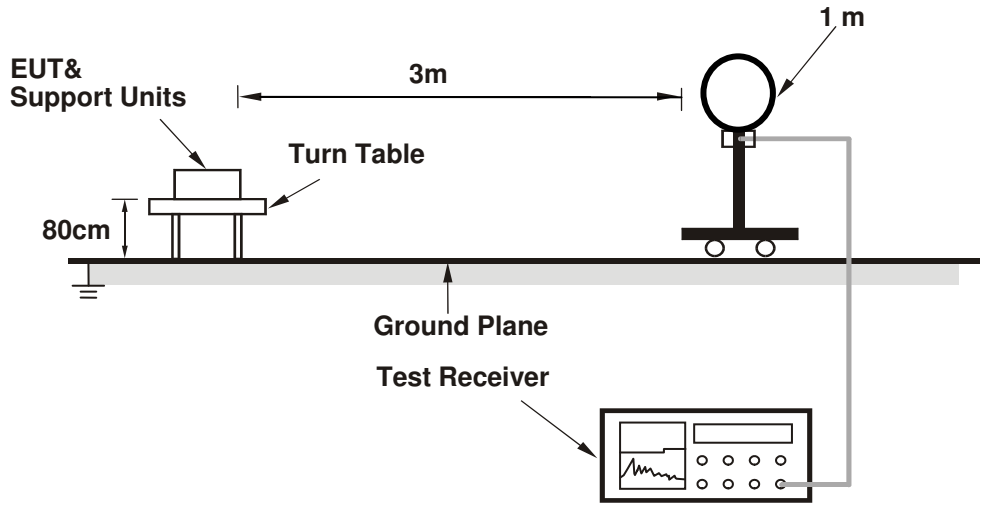
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

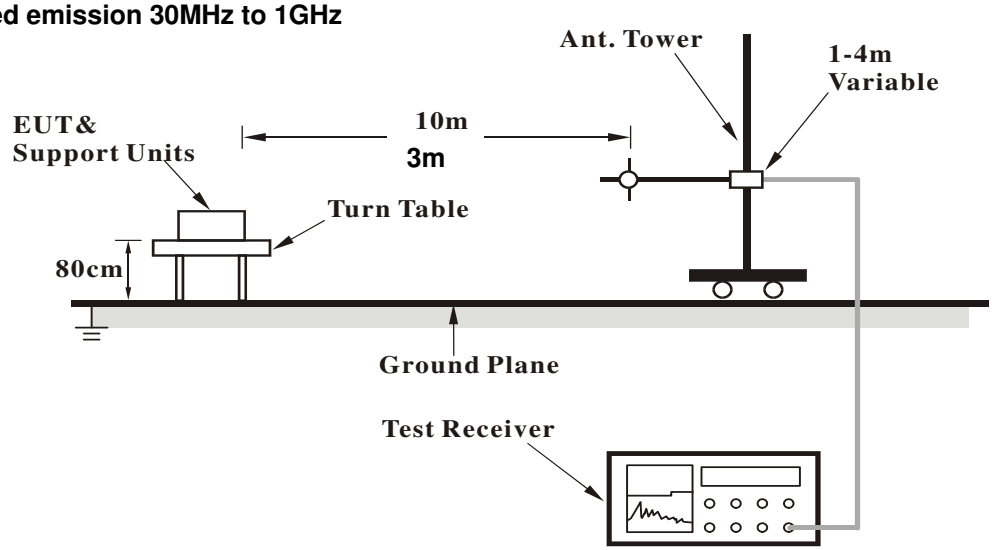
No deviation.

4.1.5 Test Set Up

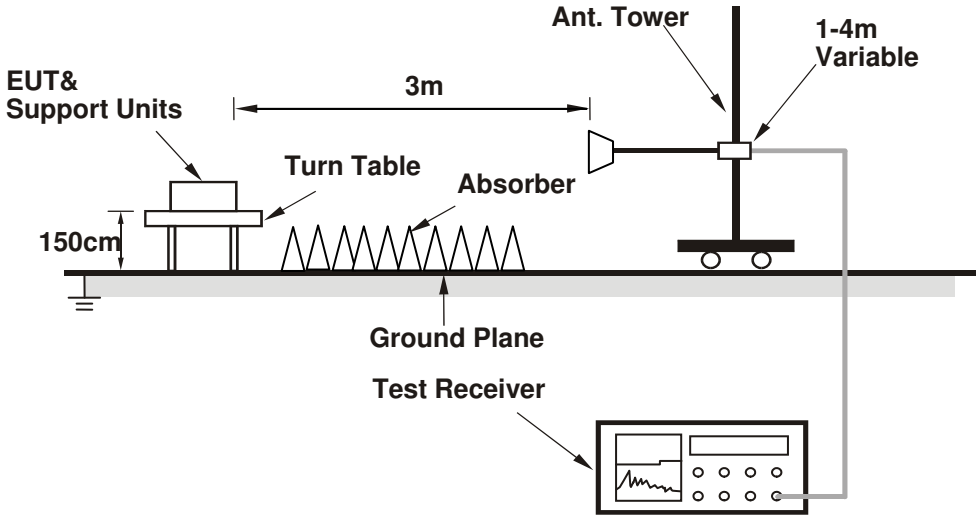
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT Operating Conditions

a. Placed the EUT on the testing table.
b. The EUT ran a test program (provided by manufacturer) to enable itself under transmission condition continuously at specific channel frequency.

4.1.7 Test Results

Above 1GHz Data

Chain A

802.11a

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	61.3 PK	74.0	-12.7	2.11 H	100	58.0	3.3
2	4500.00	49.2 AV	54.0	-4.8	2.11 H	100	45.9	3.3
3	5150.00	58.9 PK	74.0	-15.1	2.11 H	100	54.3	4.6
4	5150.00	49.0 AV	54.0	-5.0	2.11 H	100	44.4	4.6
5	*5180.00	90.1 PK			2.11 H	100	47.9	42.2
6	*5180.00	78.9 AV			2.11 H	100	36.7	42.2
7	#10360.00	62.9 PK	68.2	-5.3	1.29 H	333	47.10	15.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	61.1 PK	74.0	-12.9	1.71 V	52	57.8	3.3
2	4500.00	48.5 AV	54.0	-5.5	1.71 V	52	45.2	3.3
3	5150.00	65.3 PK	74.0	-8.7	1.71 V	52	60.7	4.6
4	5150.00	51.2 AV	54.0	-2.8	1.71 V	52	46.6	4.6
5	*5180.00	97.5 PK			1.71 V	52	55.3	42.2
6	*5180.00	86.8 AV			1.71 V	52	44.6	42.2
7	#10360.00	63.8 PK	68.2	-4.4	1.00 V	85	48.0	15.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	93.1 PK			2.32 H	299	50.90	42.20
2	*5200.00	81.9 AV			2.32 H	299	39.70	42.20
3	#10400.00	64.6 PK	68.2	-3.6	1.39 H	281	48.70	15.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	101.2 PK			1.69 V	100	59.00	42.20
2	*5200.00	91.1 AV			1.69 V	100	48.90	42.20
3	#10400.00	65.1 PK	68.2	-3.1	1.00 V	66	49.20	15.90

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	93.6 PK			2.11 H	300	51.3	42.3
2	*5240.00	82.8 AV			2.11 H	300	40.5	42.3
3	5350.00	59.7 PK	74.0	-14.3	2.11 H	300	54.9	4.8
4	5350.00	45.2 AV	54.0	-8.8	2.11 H	300	40.4	4.8
5	5460.00	62.3 PK	74.0	-11.7	2.11 H	300	57.5	4.8
6	5460.00	49.7 AV	54.0	-4.3	2.11 H	300	44.9	4.8
7	#10480.00	65.4 PK	68.2	-2.8	1.44 H	298	49.2	16.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	102.4 PK			1.77 V	233	60.1	42.3
2	*5240.00	92.0 AV			1.77 V	233	49.7	42.3
3	5350.00	61.3 PK	74.0	-12.7	1.77 V	233	56.5	4.8
4	5350.00	48.2 AV	54.0	-5.8	1.77 V	233	43.4	4.8
5	5460.00	62.7 PK	74.0	-11.3	1.77 V	233	57.9	4.8
6	5460.00	48.6 AV	54.0	-5.4	1.77 V	233	43.8	4.8
7	#10480.00	65.0 PK	68.2	-3.2	1.00 V	10	48.8	16.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	61.2 PK	74.0	-12.8	2.22 H	99	57.90	3.30
2	4500.00	49.4 AV	54.0	-4.6	2.22 H	99	46.10	3.30
3	*5260.00	93.4 PK			2.22 H	99	51.10	42.30
4	*5260.00	82.2 AV			2.22 H	99	39.90	42.30
5	#10520.00	65.9 PK	68.2	-2.3	1.59 H	301	49.80	16.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	61.4 PK	74.0	-12.6	1.87 V	231	58.10	3.30
2	4500.00	49.2 AV	54.0	-4.8	1.87 V	231	45.90	3.30
3	*5260.00	101.3 PK			1.87 V	231	59.00	42.30
4	*5260.00	90.6 AV			1.87 V	231	48.30	42.30
5	#10520.00	65.7 PK	68.2	-2.5	1.00 V	220	49.60	16.10

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	92.8 PK			2.33 H	290	50.40	42.40
2	*5300.00	82.1 AV			2.33 H	290	39.70	42.40
3	10600.00	63.1 PK	74.0	-10.9	N/A H	N/A	46.90	16.20
4	10600.00	51.0 AV	54.0	-3.0	N/A H	N/A	34.80	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	103.6 PK			1.80 V	266	61.20	42.40
2	*5300.00	92.7 AV			1.80 V	266	50.30	42.40
3	10600.00	62.5 PK	74.0	-11.5	1.00 V	90	46.30	16.20
4	10600.00	49.4 AV	54.0	-4.6	1.00 V	90	33.20	16.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	91.3 PK			2.33 H	321	48.9	42.4
2	*5320.00	81.0 AV			2.33 H	321	38.6	42.4
3	5350.00	62.2 PK	74.0	-11.8	2.33 H	321	57.4	4.8
4	5350.00	49.0 AV	54.0	-5.0	2.33 H	321	44.2	4.8
5	5460.00	62.7 PK	74.0	-11.3	2.33 H	321	57.9	4.8
6	5460.00	49.4 AV	54.0	-4.6	2.33 H	321	44.6	4.8
7	10640.00	63.0 PK	74.0	-11.0	1.59 H	140	46.8	16.2
8	10640.00	51.1 AV	54.0	-2.9	1.59 H	140	34.9	16.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	100.6 PK			1.77 V	255	58.2	42.4
2	*5320.00	90.8 AV			1.77 V	255	48.4	42.4
3	5350.00	61.1 PK	74.0	-12.9	1.77 V	255	56.3	4.8
4	5350.00	48.2 AV	54.0	-5.8	1.77 V	255	43.4	4.8
5	5460.00	61.7 PK	74.0	-12.3	1.77 V	255	56.9	4.8
6	5460.00	48.9 AV	54.0	-5.1	1.77 V	255	44.1	4.8
7	10640.00	64.8 PK	74.0	-9.2	1.00 V	198	48.6	16.2
8	10640.00	52.3 AV	54.0	-1.7	1.00 V	198	36.1	16.2

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.2 PK	74.0	-13.8	1.68 H	88	55.40	4.80
2	5460.00	47.5 AV	54.0	-6.5	1.68 H	88	42.70	4.80
3	#5470.00	61.0 PK	68.2	-7.2	1.68 H	88	56.20	4.80
4	*5500.00	92.6 PK			1.68 H	88	50.10	42.50
5	*5500.00	82.4 AV			1.68 H	88	39.90	42.50
6	11000.00	46.3 PK	74.0	-27.7	1.28 H	99	28.70	17.60
7	11000.00	32.4 AV	54.0	-21.6	1.28 H	99	14.80	17.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.0 PK	74.0	-13.0	1.25 V	98	56.20	4.80
2	5460.00	47.8 AV	54.0	-6.2	1.25 V	98	43.00	4.80
3	#5470.00	62.3 PK	68.2	-5.9	1.25 V	98	57.50	4.80
4	*5500.00	100.7 PK			1.25 V	98	58.20	42.50
5	*5500.00	90.1 AV			1.25 V	98	47.60	42.50
6	11000.00	62.3 PK	74.0	-11.7	1.52 V	64	44.70	17.60
7	11000.00	48.9 AV	54.0	-5.1	1.52 V	64	31.30	17.60

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	99.2 PK			1.57 H	63	56.60	42.60
2	*5580.00	87.6 AV			1.57 H	63	45.00	42.60
3	11160.00	61.3 PK	74.0	-12.7	1.11 H	241	45.00	16.30
4	11160.00	50.5 AV	54.0	-3.5	1.11 H	241	34.20	16.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	105.5 PK			1.27 V	120	62.90	42.60
2	*5580.00	95.2 AV			1.27 V	120	52.60	42.60
3	11160.00	43.6 PK	74.0	-30.4	1.00 V	138	27.30	16.30
4	11160.00	33.0 AV	54.0	-21.0	1.00 V	138	16.70	16.30

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	92.3 PK			1.62 H	58	49.60	42.70
2	*5700.00	81.0 AV			1.62 H	58	38.30	42.70
3	#5725.00	58.2 PK	68.2	-10.0	1.62 H	58	53.20	5.00
4	11400.00	61.7 PK	74.0	-12.3	1.74 H	125	44.80	16.90
5	11400.00	49.4 AV	54.0	-4.6	1.74 H	125	32.50	16.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	99.6 PK			1.19 V	125	56.90	42.70
2	*5700.00	89.2 AV			1.19 V	125	46.50	42.70
3	#5725.00	60.3 PK	68.2	-7.9	1.19 V	125	55.30	5.00
4	11400.00	60.9 PK	74.0	-13.1	1.00 V	215	44.00	16.90
5	11400.00	48.3 AV	54.0	-5.7	1.00 V	215	31.40	16.90

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (20MHz)

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	57.3 PK	74.0	-16.7	1.35 H	228	54.0	3.3
2	4500.00	44.7 AV	54.0	-9.3	1.35 H	228	41.4	3.3
3	5150.00	61.8 PK	74.0	-12.2	1.35 H	228	57.2	4.6
4	5150.00	47.6 AV	54.0	-6.4	1.35 H	228	43.0	4.6
5	*5180.00	88.0 PK			1.35 H	228	45.8	42.2
6	*5180.00	77.7 AV			1.35 H	228	35.5	42.2
7	#10360.00	61.0 PK	68.2	-7.2	1.42 H	93	45.2	15.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	59.3 PK	74.0	-14.7	1.72 V	315	56.0	3.3
2	4500.00	47.2 AV	54.0	-6.8	1.72 V	315	43.9	3.3
3	5150.00	64.7 PK	74.0	-9.3	1.72 V	315	60.1	4.6
4	5150.00	48.9 AV	54.0	-5.1	1.72 V	315	44.3	4.6
5	*5180.00	97.5 PK			1.72 V	315	55.3	42.2
6	*5180.00	87.3 AV			1.72 V	315	45.1	42.2
7	#10360.00	61.3 PK	68.2	-6.9	1.00 V	113	45.5	15.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	90.4 PK			1.29 H	234	48.20	42.20
2	*5200.00	80.0 AV			1.29 H	234	37.80	42.20
3	#10400.00	63.3 PK	68.2	-4.9	1.48 H	102	47.40	15.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	101.8 PK			1.63 V	324	59.60	42.20
2	*5200.00	90.9 AV			1.63 V	324	48.70	42.20
3	#10400.00	62.0 PK	68.2	-6.2	1.00 V	108	46.10	15.90

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	91.6 PK			1.33 H	224	49.3	42.3
2	*5240.00	81.3 AV			1.33 H	224	39.0	42.3
3	5350.00	58.1 PK	74.0	-15.9	1.33 H	224	53.3	4.8
4	5350.00	44.4 AV	54.0	-9.6	1.33 H	224	39.6	4.8
5	5460.00	59.7 PK	74.0	-14.3	1.33 H	224	54.9	4.8
6	5460.00	46.2 AV	54.0	-7.8	1.33 H	224	41.4	4.8
7	#10480.00	64.7 PK	68.2	-3.5	1.53 H	117	48.5	16.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	102.4 PK			1.55 V	331	60.1	42.3
2	*5240.00	92.0 AV			1.55 V	331	49.7	42.3
3	5350.00	63.5 PK	74.0	-10.5	1.55 V	331	58.7	4.8
4	5350.00	46.9 AV	54.0	-7.1	1.55 V	331	42.1	4.8
5	5460.00	60.3 PK	74.0	-13.7	1.55 V	331	55.5	4.8
6	5460.00	47.8 AV	54.0	-6.2	1.55 V	331	43.0	4.8
7	#10480.00	63.9 PK	68.2	-4.3	1.48 V	124	47.7	16.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	58.4 PK	74.0	-15.6	1.27 H	218	55.10	3.30
2	4500.00	46.0 AV	54.0	-8.0	1.27 H	218	42.70	3.30
3	*5260.00	89.3 PK			1.27 H	218	47.00	42.30
4	*5260.00	78.8 AV			1.27 H	218	36.50	42.30
5	#10520.00	65.8 PK	68.2	-2.4	1.44 H	109	49.70	16.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	58.6 PK	74.0	-15.4	1.49 V	326	55.30	3.30
2	4500.00	47.0 AV	54.0	-7.0	1.49 V	326	43.70	3.30
3	*5260.00	102.4 PK			1.49 V	326	60.10	42.30
4	*5260.00	90.8 AV			1.49 V	326	48.50	42.30
5	#10520.00	64.5 PK	68.2	-3.7	1.44 V	117	48.40	16.10

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	90.7 PK			1.32 H	222	48.30	42.40
2	*5300.00	80.5 AV			1.32 H	222	38.10	42.40
3	10600.00	64.8 PK	74.0	-9.2	1.39 H	97	48.60	16.20
4	10600.00	50.1 AV	54.0	-3.9	1.39 H	97	33.90	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	101.9 PK			1.56 V	299	59.50	42.40
2	*5300.00	91.7 AV			1.56 V	299	49.30	42.40
3	10600.00	64.5 PK	74.0	-9.5	1.37 V	129	48.30	16.20
4	10600.00	50.8 AV	54.0	-3.2	1.37 V	129	34.60	16.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	91.2 PK			1.26 H	243	48.80	42.40
2	*5320.00	80.5 AV			1.26 H	243	38.10	42.40
3	5350.00	60.0 PK	74.0	-14.0	1.26 H	243	55.20	4.80
4	5350.00	45.8 AV	54.0	-8.2	1.26 H	243	41.00	4.80
5	10640.00	65.4 PK	74.0	-8.6	1.43 H	107	49.20	16.20
6	10640.00	51.0 AV	54.0	-3.0	1.43 H	107	34.80	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	101.0 PK			1.63 V	312	58.60	42.40
2	*5320.00	90.2 AV			1.63 V	312	47.80	42.40
3	5350.00	59.8 PK	74.0	-14.2	1.63 V	312	55.00	4.80
4	5350.00	47.0 AV	54.0	-7.0	1.63 V	312	42.20	4.80
5	10640.00	62.7 PK	74.0	-11.3	1.42 V	132	46.50	16.20
6	10640.00	48.3 AV	54.0	-5.7	1.42 V	132	32.10	16.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.2 PK	74.0	-14.8	1.35 H	258	54.40	4.80
2	5460.00	46.7 AV	54.0	-7.3	1.35 H	258	41.90	4.80
3	#5470.00	59.7 PK	68.2	-8.5	1.35 H	258	54.90	4.80
4	*5500.00	89.0 PK			1.35 H	258	46.50	42.50
5	*5500.00	78.4 AV			1.35 H	258	35.90	42.50
6	11000.00	62.4 PK	74.0	-11.6	1.39 H	98	44.80	17.60
7	11000.00	49.5 AV	54.0	-4.5	1.39 H	98	31.90	17.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.8 PK	74.0	-13.2	1.58 V	334	56.00	4.80
2	5460.00	47.8 AV	54.0	-6.2	1.58 V	334	43.00	4.80
3	#5470.00	63.5 PK	68.2	-4.7	1.58 V	334	58.70	4.80
4	*5500.00	99.5 PK			1.58 V	334	57.00	42.50
5	*5500.00	89.0 AV			1.58 V	334	46.50	42.50
6	11000.00	61.2 PK	74.0	-12.8	1.28 V	145	43.60	17.60
7	11000.00	47.8 AV	54.0	-6.2	1.28 V	145	30.20	17.60

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	96.7 PK			1.57 H	231	54.10	42.60
2	*5580.00	86.0 AV			1.57 H	231	43.40	42.60
3	11160.00	64.8 PK	74.0	-9.2	1.27 H	77	48.50	16.30
4	11160.00	49.5 AV	54.0	-4.5	1.27 H	77	33.20	16.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	106.6 PK			1.44 V	318	64.00	42.60
2	*5580.00	96.0 AV			1.44 V	318	53.40	42.60
3	11160.00	61.1 PK	74.0	-12.9	1.00 V	148	44.80	16.30
4	11160.00	46.8 AV	54.0	-7.2	1.00 V	148	30.50	16.30

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	94.3 PK			1.61 H	224	51.60	42.70
2	*5700.00	83.3 AV			1.61 H	224	40.60	42.70
3	#5725.00	58.5 PK	68.2	-9.7	1.61 H	224	53.50	5.00
4	11400.00	63.3 PK	74.0	-10.7	1.18 H	63	46.40	16.90
5	11400.00	50.1 AV	54.0	-3.9	1.18 H	63	33.20	16.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.8 PK			1.52 V	297	64.10	42.70
2	*5700.00	96.0 AV			1.52 V	297	53.30	42.70
3	#5725.00	62.5 PK	68.2	-5.7	1.52 V	297	57.50	5.00
4	11400.00	62.8 PK	74.0	-11.2	1.03 V	152	45.90	16.90
5	11400.00	49.8 AV	54.0	-4.2	1.03 V	152	32.90	16.90

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (40MHz)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	61.6 PK	74.0	-12.4	1.12 H	279	58.3	3.3
2	4500.00	48.8 AV	54.0	-5.2	1.12 H	279	45.5	3.3
3	5150.00	57.8 PK	74.0	-16.2	1.12 H	279	53.2	4.6
4	5150.00	45.1 AV	54.0	-8.9	1.12 H	279	40.5	4.6
5	*5190.00	82.3 PK			1.12 H	279	40.1	42.2
6	*5190.00	71.0 AV			1.12 H	279	28.8	42.2
7	#10380.00	65.4 PK	68.2	-2.8	1.00 H	12	49.5	15.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	61.7 PK	74.0	-12.3	1.72 V	118	58.4	3.3
2	4500.00	49.3 AV	54.0	-4.7	1.72 V	118	46.0	3.3
3	5150.00	65.1 PK	74.0	-8.9	1.72 V	118	60.5	4.6
4	5150.00	47.5 AV	54.0	-6.5	1.72 V	118	42.9	4.6
5	*5190.00	94.8 PK			1.72 V	118	52.6	42.2
6	*5190.00	84.1 AV			1.72 V	118	41.9	42.2
7	#10380.00	63.9 PK	68.2	-4.3	1.35 V	285	48.0	15.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	54.2 PK	74.0	-19.8	1.00 H	283	49.6	4.6
2	5150.00	41.7 AV	54.0	-12.3	1.00 H	283	37.1	4.6
3	*5230.00	90.0 PK			1.00 H	283	47.7	42.3
4	*5230.00	79.8 AV			1.00 H	283	37.5	42.3
5	5460.00	62.3 PK	74.0	-11.7	1.00 H	283	57.5	4.8
6	5460.00	50.2 AV	54.0	-3.8	1.00 H	283	45.4	4.8
7	#10460.00	65.1 PK	68.2	-3.1	1.03 H	357	49.2	15.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	65.9 PK	74.0	-8.1	1.68 V	120	61.3	4.6
2	5150.00	48.3 AV	54.0	-5.7	1.68 V	120	43.7	4.6
3	*5230.00	102.0 PK			1.68 V	120	59.7	42.3
4	*5230.00	92.3 AV			1.68 V	120	50.0	42.3
5	5460.00	62.6 PK	74.0	-11.4	1.68 V	120	57.8	4.8
6	5460.00	51.0 AV	54.0	-3.0	1.68 V	120	46.2	4.8
7	#10460.00	63.1 PK	68.2	-5.1	1.42 V	293	47.2	15.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	60.4 PK	74.0	-13.6	1.13 H	279	57.10	3.30
2	4500.00	47.9 AV	54.0	-6.1	1.13 H	279	44.60	3.30
3	*5270.00	84.5 PK			1.13 H	279	42.10	42.40
4	*5270.00	73.8 AV			1.13 H	279	31.40	42.40
5	#10540.00	65.1 PK	68.2	-3.1	1.00 H	0	48.90	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	61.6 PK	74.0	-12.4	1.59 V	118	58.30	3.30
2	4500.00	49.0 AV	54.0	-5.0	1.59 V	118	45.70	3.30
3	*5270.00	96.8 PK			1.59 V	118	54.40	42.40
4	*5270.00	86.7 AV			1.59 V	118	44.30	42.40
5	#10540.00	64.0 PK	68.2	-4.2	1.37 V	288	47.80	16.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	85.3 PK			1.21 H	264	42.90	42.40
2	*5310.00	75.4 AV			1.21 H	264	33.00	42.40
3	5350.00	61.6 PK	74.0	-12.4	1.21 H	264	56.80	4.80
4	5350.00	48.5 AV	54.0	-5.5	1.21 H	264	43.70	4.80
5	10620.00	65.8 PK	74.0	-8.2	1.03 H	3	49.40	16.40
6	10620.00	51.6 AV	54.0	-2.4	1.03 H	3	35.20	16.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	98.1 PK			1.68 V	104	55.70	42.40
2	*5310.00	88.2 AV			1.68 V	104	45.80	42.40
3	5350.00	63.3 PK	74.0	-10.7	1.68 V	104	58.50	4.80
4	**5350.00**	**53.1 AV**	**54.0**	**-0.9**	**1.68 V**	**104**	**48.30**	**4.80**
5	10620.00	64.7 PK	74.0	-9.3	1.19 V	261	48.30	16.40
6	10620.00	50.5 AV	54.0	-3.5	1.19 V	261	34.10	16.40

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.0 PK	74.0	-13.0	1.23 H	257	56.20	4.80
2	5460.00	47.9 AV	54.0	-6.1	1.23 H	257	43.10	4.80
3	#5470.00	61.8 PK	68.2	-6.4	1.23 H	257	57.00	4.80
4	*5510.00	85.3 PK			1.23 H	257	42.80	42.50
5	*5510.00	74.4 AV			1.23 H	257	31.90	42.50
6	11020.00	63.2 PK	74.0	-10.8	1.00 H	23	45.80	17.40
7	11020.00	50.5 AV	54.0	-3.5	1.00 H	23	33.10	17.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.9 PK	74.0	-11.1	1.55 V	100	58.10	4.80
2	5460.00	50.1 AV	54.0	-3.9	1.55 V	100	45.30	4.80
3	#5470.00	65.0 PK	68.2	-3.2	1.55 V	100	60.20	4.80
4	*5510.00	98.8 PK			1.55 V	100	56.30	42.50
5	*5510.00	89.2 AV			1.55 V	100	46.70	42.50
6	11020.00	61.4 PK	74.0	-12.6	1.00 V	243	44.00	17.40
7	11020.00	48.0 AV	54.0	-6.0	1.00 V	243	30.60	17.40

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	91.7 PK			1.34 H	275	49.20	42.50
2	*5550.00	81.0 AV			1.34 H	275	38.50	42.50
3	11100.00	63.0 PK	74.0	-11.0	1.08 H	13	46.80	16.20
4	11100.00	48.7 AV	54.0	-5.3	1.08 H	13	32.50	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	104.5 PK			1.62 V	124	62.00	42.50
2	*5550.00	94.2 AV			1.62 V	124	51.70	42.50
3	11100.00	60.8 PK	74.0	-13.2	1.07 V	198	44.60	16.20
4	11100.00	47.0 AV	54.0	-7.0	1.07 V	198	30.80	16.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	94.3 PK			1.42 H	264	51.60	42.70
2	*5670.00	83.8 AV			1.42 H	264	41.10	42.70
3	#5725.00	60.6 PK	68.2	-7.6	1.42 H	264	55.60	5.00
4	11340.00	63.9 PK	74.0	-10.1	1.12 H	25	46.70	17.20
5	11340.00	50.9 AV	54.0	-3.1	1.12 H	25	33.70	17.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	105.4 PK			1.57 V	113	62.70	42.70
2	*5670.00	95.2 AV			1.57 V	113	52.50	42.70
3	#5725.00	63.8 PK	68.2	-4.4	1.57 V	113	58.80	5.00
4	11340.00	63.1 PK	74.0	-10.9	1.00 V	221	45.90	17.20
5	11340.00	50.4 AV	54.0	-3.6	1.00 V	221	33.20	17.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11ac (80MHz)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	61.2 PK	74.0	-12.8	1.38 H	259	57.9	3.3
2	4500.00	48.5 AV	54.0	-5.5	1.38 H	259	45.2	3.3
3	5150.00	54.9 PK	74.0	-19.1	1.38 H	259	50.3	4.6
4	5150.00	43.5 AV	54.0	-10.5	1.38 H	259	38.9	4.6
5	*5210.00	78.6 PK			1.38 H	259	36.3	42.3
6	*5210.00	67.0 AV			1.38 H	259	24.7	42.3
7	#10420.00	65.3 PK	68.2	-2.9	1.27 H	42	49.3	16.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	61.5 PK	74.0	-12.5	1.68 V	127	58.2	3.3
2	4500.00	49.6 AV	54.0	-4.4	1.68 V	127	46.3	3.3
3	5150.00	64.9 PK	74.0	-9.1	1.38 V	259	60.3	4.6
4	5150.00	50.7 AV	54.0	-3.3	1.38 V	259	46.1	4.6
5	*5210.00	90.5 PK			1.68 V	127	48.2	42.3
6	*5210.00	80.1 AV			1.68 V	127	37.8	42.3
7	#10420.00	63.1 PK	68.2	-5.1	1.03 V	218	47.1	16.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	82.6 PK			1.44 H	243	40.2	42.4
2	*5290.00	72.3 AV			1.44 H	243	29.9	42.4
3	5350.00	56.8 PK	74.0	-17.2	1.44 H	243	52.0	4.8
4	5350.00	44.1 AV	54.0	-9.9	1.44 H	243	39.3	4.8
5	5460.00	61.5 PK	74.0	-12.5	1.44 H	243	56.7	4.8
6	5460.00	48.3 AV	54.0	-5.7	1.44 H	243	43.5	4.8
7	#10580.00	65.4 PK	68.2	-2.8	1.00 H	36	49.2	16.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	94.5 PK			1.57 V	133	52.1	42.4
2	*5290.00	84.0 AV			1.57 V	133	41.6	42.4
3	5350.00	57.1 PK	74.0	-16.9	1.25 V	150	52.3	4.8
4	5350.00	43.8 AV	54.0	-10.2	1.25 V	150	39.0	4.8
5	5460.00	63.4 PK	74.0	-10.6	1.57 V	133	58.6	4.8
6	5460.00	49.5 AV	54.0	-4.5	1.57 V	133	44.7	4.8
7	#10580.00	63.7 PK	68.2	-4.5	1.03 V	28	47.5	16.2

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.8 PK	74.0	-12.2	1.38 H	255	57.00	4.80
2	5460.00	48.6 AV	54.0	-5.4	1.38 H	255	43.80	4.80
3	#5470.00	61.1 PK	68.2	-7.1	1.38 H	255	56.30	4.80
4	*5530.00	81.2 PK			1.38 H	255	38.70	42.50
5	*5530.00	69.5 AV			1.38 H	255	27.00	42.50
6	11060.00	45.2 PK	74.0	-28.8	1.00 H	43	28.50	16.70
7	11060.00	33.8 AV	54.0	-20.2	1.00 H	43	17.10	16.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.8 PK	74.0	-12.2	1.62 V	148	57.00	4.80
2	5460.00	49.1 AV	54.0	-4.9	1.62 V	148	44.30	4.80
3	#5470.00	64.0 PK	68.2	-4.2	1.62 V	148	59.20	4.80
4	*5530.00	92.8 PK			1.62 V	148	50.30	42.50
5	*5530.00	81.8 AV			1.62 V	148	39.30	42.50
6	11060.00	61.0 PK	74.0	-13.0	1.07 V	58	44.30	16.70
7	11060.00	47.2 AV	54.0	-6.8	1.07 V	58	30.50	16.70

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Chain B

802.11a

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.2 PK	74.0	-14.8	1.59 H	63	54.60	4.60
2	5150.00	49.1 AV	54.0	-4.9	1.59 H	63	44.50	4.60
3	*5180.00	91.8 PK			1.59 H	63	49.60	42.20
4	*5180.00	81.5 AV			1.59 H	63	39.30	42.20
5	#10360.00	64.3 PK	68.2	-3.9	1.07 H	342	48.50	15.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	66.9 PK	74.0	-7.1	1.00 V	268	62.30	4.60
2	5150.00	52.4 AV	54.0	-1.6	1.00 V	268	47.80	4.60
3	*5180.00	101.2 PK			1.00 V	268	59.00	42.20
4	*5180.00	91.1 AV			1.00 V	268	48.90	42.20
5	#10360.00	63.3 PK	68.2	-4.9	1.77 V	124	47.50	15.80

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	96.3 PK			1.00 H	83	54.10	42.20
2	*5200.00	85.1 AV			1.00 H	83	42.90	42.20
3	#10400.00	64.4 PK	68.2	-3.8	1.00 H	338	48.50	15.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	105.0 PK			1.03 V	294	62.80	42.20
2	*5200.00	95.2 AV			1.03 V	294	53.00	42.20
3	#10400.00	63.7 PK	68.2	-4.5	1.84 V	132	47.80	15.90

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	95.3 PK			1.10 H	91	53.00	42.30
2	*5240.00	85.4 AV			1.10 H	91	43.10	42.30
3	5350.00	60.2 PK	74.0	-13.8	1.10 H	91	55.40	4.80
4	5350.00	46.9 AV	54.0	-7.1	1.10 H	91	42.10	4.80
5	#10480.00	64.9 PK	68.2	-3.3	1.00 H	341	48.70	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	103.4 PK			1.00 V	288	61.10	42.30
2	*5240.00	93.5 AV			1.00 V	288	51.20	42.30
3	5350.00	62.1 PK	74.0	-11.9	1.00 V	288	57.30	4.80
4	5350.00	49.6 AV	54.0	-4.4	1.00 V	288	44.80	4.80
5	#10480.00	63.6 PK	68.2	-4.6	1.77 V	115	47.40	16.20

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	61.8 PK	74.0	-12.2	1.64 H	58	58.50	3.30
2	4500.00	48.5 AV	54.0	-5.5	1.64 H	58	45.20	3.30
3	*5260.00	91.0 PK			1.64 H	58	48.70	42.30
4	*5260.00	80.5 AV			1.64 H	58	38.20	42.30
5	#10520.00	66.2 PK	68.2	-2.0	1.14 H	338	50.10	16.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	61.6 PK	74.0	-12.4	1.25 V	250	58.30	3.30
2	4500.00	49.5 AV	54.0	-4.5	1.25 V	250	46.20	3.30
3	*5260.00	101.0 PK			1.25 V	250	58.70	42.30
4	*5260.00	90.5 AV			1.25 V	250	48.20	42.30
5	#10520.00	64.6 PK	68.2	-3.6	1.83 V	127	48.50	16.10

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	94.0 PK			1.55 H	53	51.60	42.40
2	*5300.00	83.2 AV			1.55 H	53	40.80	42.40
3	10600.00	65.2 PK	74.0	-8.8	1.21 H	343	49.00	16.20
4	10600.00	53.0 AV	54.0	-1.0	1.21 H	343	36.80	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	104.5 PK			1.28 V	261	62.10	42.40
2	*5300.00	94.0 AV			1.28 V	261	51.60	42.40
3	10600.00	63.8 PK	74.0	-10.2	1.77 V	142	47.60	16.20
4	10600.00	50.2 AV	54.0	-3.8	1.77 V	142	34.00	16.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	92.0 PK			1.43 H	62	49.6	42.4
2	*5320.00	81.7 AV			1.43 H	62	39.3	42.4
3	5350.00	63.4 PK	74.0	-10.6	1.43 H	62	58.6	4.8
4	5350.00	49.8 AV	54.0	-4.2	1.43 H	62	45.0	4.8
5	5460.00	61.1 PK	74.0	-12.9	1.43 H	62	56.3	4.8
6	5460.00	48.5 AV	54.0	-5.5	1.43 H	62	43.7	4.8
7	10640.00	65.1 PK	74.0	-8.9	1.22 H	315	48.9	16.2
8	10640.00	51.2 AV	54.0	-2.8	1.22 H	315	35.0	16.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	101.2 PK			1.35 V	257	58.8	42.4
2	*5320.00	90.5 AV			1.35 V	257	48.1	42.4
3	5350.00	61.8 PK	74.0	-12.2	1.35 V	257	57.0	4.8
4	5350.00	49.1 AV	54.0	-4.9	1.35 V	257	44.3	4.8
5	5460.00	63.1 PK	74.0	-10.9	1.35 V	257	58.3	4.8
6	5460.00	49.6 AV	54.0	-4.4	1.35 V	257	44.8	4.8
7	10640.00	64.7 PK	74.0	-9.3	1.86 V	154	48.5	16.2
8	10640.00	51.2 AV	54.0	-2.8	1.86 V	154	35.0	16.2

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.6 PK	74.0	-13.4	1.39 H	47	55.80	4.80
2	5460.00	47.8 AV	54.0	-6.2	1.39 H	47	43.00	4.80
3	#5470.00	61.8 PK	68.2	-6.4	1.39 H	47	57.00	4.80
4	*5500.00	88.6 PK			1.39 H	47	46.10	42.50
5	*5500.00	78.0 AV			1.39 H	47	35.50	42.50
6	11000.00	62.9 PK	74.0	-11.1	1.15 H	289	45.30	17.60
7	11000.00	49.4 AV	54.0	-4.6	1.15 H	289	31.80	17.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	63.1 PK	74.0	-10.9	1.29 V	247	58.30	4.80
2	5460.00	48.8 AV	54.0	-5.2	1.29 V	247	44.00	4.80
3	#5470.00	64.8 PK	68.2	-3.4	1.29 V	247	60.00	4.80
4	*5500.00	100.0 PK			1.29 V	247	57.50	42.50
5	*5500.00	90.5 AV			1.29 V	247	48.00	42.50
6	11000.00	62.3 PK	74.0	-11.7	1.76 V	148	44.70	17.60
7	11000.00	48.4 AV	54.0	-5.6	1.76 V	148	30.80	17.60

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	94.5 PK			1.44 H	53	51.90	42.60
2	*5580.00	84.0 AV			1.44 H	53	41.40	42.60
3	11160.00	61.3 PK	74.0	-12.7	1.00 H	275	45.00	16.30
4	11160.00	47.5 AV	54.0	-6.5	1.00 H	275	31.20	16.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	105.0 PK			1.37 V	259	62.40	42.60
2	*5580.00	95.8 AV			1.37 V	259	53.20	42.60
3	11160.00	59.8 PK	74.0	-14.2	1.62 V	159	43.50	16.30
4	11160.00	46.6 AV	54.0	-7.4	1.62 V	159	30.30	16.30

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	89.6 PK			1.59 H	84	46.90	42.70
2	*5700.00	78.8 AV			1.59 H	84	36.10	42.70
3	#5725.00	61.0 PK	68.2	-7.2	1.59 H	84	56.00	5.00
4	11400.00	65.5 PK	74.0	-8.5	1.03 H	284	48.60	16.90
5	11400.00	52.2 AV	54.0	-1.8	1.03 H	284	35.30	16.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	99.0 PK			1.42 V	278	56.30	42.70
2	*5700.00	90.0 AV			1.42 V	278	47.30	42.70
3	#5725.00	61.3 PK	68.2	-6.9	1.42 V	278	56.30	5.00
4	11400.00	62.9 PK	74.0	-11.1	1.57 V	148	46.00	16.90
5	11400.00	50.4 AV	54.0	-3.6	1.57 V	148	33.50	16.90

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (20MHz)

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	63.4 PK	74.0	-10.6	2.17 H	148	58.80	4.60
2	5150.00	49.4 AV	54.0	-4.6	2.17 H	148	44.80	4.60
3	*5180.00	93.2 PK			2.17 H	148	51.00	42.20
4	*5180.00	82.7 AV			2.17 H	148	40.50	42.20
5	#10360.00	64.8 PK	68.2	-3.4	1.36 H	286	49.00	15.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	68.5 PK	74.0	-5.5	1.68 V	182	63.90	4.60
2	5150.00	52.5 AV	54.0	-1.5	1.68 V	182	47.90	4.60
3	*5180.00	103.3 PK			1.68 V	182	61.10	42.20
4	*5180.00	93.8 AV			1.68 V	182	51.60	42.20
5	#10360.00	63.3 PK	68.2	-4.9	1.00 H	86	47.50	15.80

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	95.5 PK			1.97 H	150	53.30	42.20
2	*5200.00	86.0 AV			1.97 H	150	43.80	42.20
3	#10400.00	64.9 PK	68.2	-3.3	1.42 H	293	49.00	15.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	106.5 PK			1.57 V	177	102.00	4.50
2	*5200.00	95.8 AV			1.57 V	177	91.30	4.50
3	#10400.00	62.4 PK	68.2	-5.8	1.03 V	78	46.50	15.90

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	96.5 PK			1.88 H	143	54.20	42.30
2	*5240.00	86.5 AV			1.88 H	143	44.20	42.30
3	5350.00	62.4 PK	74.0	-11.6	1.88 H	143	57.60	4.80
4	5350.00	48.3 AV	54.0	-5.7	1.88 H	143	43.50	4.80
5	#10480.00	64.4 PK	68.2	-3.8	1.33 H	289	48.20	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	106.8 PK			1.63 V	158	64.50	42.30
2	*5240.00	96.0 AV			1.63 V	158	53.70	42.30
3	5350.00	67.3 PK	74.0	-6.7	1.63 V	158	62.50	4.80
4	5350.00	51.5 AV	54.0	-2.5	1.63 V	158	46.70	4.80
5	#10480.00	64.6 PK	68.2	-3.6	1.00 V	65	48.40	16.20

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	60.6 PK	74.0	-13.4	1.74 H	159	57.30	3.30
2	4500.00	48.8 AV	54.0	-5.2	1.74 H	159	45.50	3.30
3	*5260.00	91.2 PK			1.74 H	159	48.90	42.30
4	*5260.00	80.0 AV			1.74 H	159	37.70	42.30
5	#10520.00	65.1 PK	68.2	-3.1	1.24 H	277	49.00	16.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	61.4 PK	74.0	-12.6	1.57 V	166	58.10	3.30
2	4500.00	49.3 AV	54.0	-4.7	1.57 V	166	46.00	3.30
3	*5260.00	100.0 PK			1.57 V	166	57.70	42.30
4	*5260.00	89.2 AV			1.57 V	166	46.90	42.30
5	#10520.00	63.4 PK	68.2	-4.8	1.00 V	89	47.30	16.10

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	93.2 PK			1.84 H	168	50.80	42.40
2	*5300.00	82.4 AV			1.84 H	168	40.00	42.40
3	10600.00	64.8 PK	74.0	-9.2	1.33 H	265	48.60	16.20
4	10600.00	50.7 AV	54.0	-3.3	1.33 H	265	34.50	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	101.4 PK			1.48 V	175	59.00	42.40
2	*5300.00	91.5 AV			1.48 V	175	49.10	42.40
3	10600.00	63.2 PK	74.0	-10.8	1.07 V	67	47.00	16.20
4	10600.00	50.1 AV	54.0	-3.9	1.07 V	67	33.90	16.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	88.6 PK			1.76 H	155	46.2	42.4
2	*5320.00	78.0 AV			1.76 H	155	35.6	42.4
3	5350.00	58.6 PK	74.0	-15.4	1.76 H	155	53.8	4.8
4	5350.00	44.1 AV	54.0	-9.9	1.76 H	155	39.3	4.8
5	5460.00	61.6 PK	74.0	-12.4	1.76 H	155	56.8	4.8
6	5460.00	48.4 AV	54.0	-5.6	1.76 H	155	43.6	4.8
7	10640.00	64.5 PK	74.0	-9.5	1.29 H	257	48.3	16.2
8	10640.00	52.2 AV	54.0	-1.8	1.29 H	257	36.0	16.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	99.3 PK			1.56 V	188	56.9	42.4
2	*5320.00	89.1 AV			1.56 V	188	46.7	42.4
3	5350.00	57.3 PK	74.0	-16.7	1.56 V	188	52.5	4.8
4	5350.00	45.6 AV	54.0	-8.4	1.56 V	188	40.8	4.8
5	5460.00	62.4 PK	74.0	-11.6	1.56 V	188	57.6	4.8
6	5460.00	49.1 AV	54.0	-4.9	1.56 V	188	44.3	4.8
7	10640.00	63.0 PK	74.0	-11.0	1.12 V	58	46.8	16.2
8	10640.00	49.6 AV	54.0	-4.4	1.12 V	58	33.4	16.2

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.9 PK	74.0	-11.1	1.53 H	101	58.10	4.80
2	5460.00	47.8 AV	54.0	-6.2	1.53 H	101	43.00	4.80
3	#5470.00	64.4 PK	68.2	-3.8	1.53 H	101	59.60	4.80
4	*5500.00	89.4 PK			1.53 H	101	46.90	42.50
5	*5500.00	78.2 AV			1.53 H	101	35.70	42.50
6	11000.00	63.7 PK	74.0	-10.3	1.36 H	245	46.10	17.60
7	11000.00	50.5 AV	54.0	-3.5	1.36 H	245	32.90	17.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	63.1 PK	74.0	-10.9	1.83 V	217	58.30	4.80
2	5460.00	49.3 AV	54.0	-4.7	1.83 V	217	44.50	4.80
3	#5470.00	64.0 PK	68.2	-4.2	1.83 V	217	59.20	4.80
4	*5500.00	101.7 PK			1.83 V	217	59.20	42.50
5	*5500.00	90.1 AV			1.83 V	217	47.60	42.50
6	11000.00	61.1 PK	74.0	-12.9	1.00 V	339	43.50	17.60
7	11000.00	48.3 AV	54.0	-5.7	1.00 V	339	30.70	17.60

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	93.4 PK			1.67 H	128	50.80	42.60
2	*5580.00	83.0 AV			1.67 H	128	40.40	42.60
3	11160.00	60.6 PK	74.0	-13.4	1.20 H	228	44.30	16.30
4	11160.00	48.4 AV	54.0	-5.6	1.20 H	228	32.10	16.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	104.0 PK			1.79 V	238	61.40	42.60
2	*5580.00	93.6 AV			1.79 V	238	51.00	42.60
3	11160.00	59.5 PK	74.0	-14.5	1.03 V	319	43.20	16.30
4	11160.00	46.4 AV	54.0	-7.6	1.03 V	319	30.10	16.30

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	90.6 PK			1.71 H	139	47.90	42.70
2	*5700.00	80.0 AV			1.71 H	139	37.30	42.70
3	#5725.00	59.6 PK	68.2	-8.6	1.71 H	139	54.60	5.00
4	11400.00	64.2 PK	74.0	-9.8	1.12 H	183	47.30	16.90
5	11400.00	51.2 AV	54.0	-2.8	1.12 H	183	34.30	16.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	101.4 PK			1.68 V	253	58.70	42.70
2	*5700.00	90.1 AV			1.68 V	253	47.40	42.70
3	#5725.00	61.7 PK	68.2	-6.5	1.68 V	253	56.70	5.00
4	11400.00	62.5 PK	74.0	-11.5	1.12 V	287	45.60	16.90
5	11400.00	49.9 AV	54.0	-4.1	1.12 V	287	33.00	16.90

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (40MHz)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	61.1 PK	74.0	-12.9	1.82 H	143	56.50	4.60
2	5150.00	49.3 AV	54.0	-4.7	1.82 H	143	44.70	4.60
3	*5190.00	86.5 PK			1.82 H	143	44.30	42.20
4	*5190.00	75.3 AV			1.82 H	143	33.10	42.20
5	#10380.00	63.9 PK	68.2	-4.3	1.24 H	177	48.00	15.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	68.0 PK	74.0	-6.0	1.59 V	247	63.40	4.60
2	5150.00	50.8 AV	54.0	-3.2	1.59 V	247	46.20	4.60
3	*5190.00	97.8 PK			1.59 V	247	55.60	42.20
4	*5190.00	86.5 AV			1.59 V	247	44.30	42.20
5	#10380.00	63.2 PK	68.2	-5.0	1.00 V	299	47.30	15.90

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.9 PK	74.0	-15.1	1.91 H	152	54.30	4.60
2	5150.00	46.9 AV	54.0	-7.1	1.91 H	152	42.30	4.60
3	*5230.00	95.1 PK			1.91 H	152	52.80	42.30
4	*5230.00	83.8 AV			1.91 H	152	41.50	42.30
5	#10460.00	64.8 PK	68.2	-3.4	1.32 H	182	48.90	15.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	66.1 PK	74.0	-7.9	1.43 V	255	61.50	4.60
2	5150.00	48.6 AV	54.0	-5.4	1.43 V	255	44.00	4.60
3	*5230.00	102.8 PK			1.43 V	255	98.20	4.60
4	*5230.00	92.1 AV			1.43 V	255	87.50	4.60
5	#10460.00	63.9 PK	68.2	-4.3	1.03 V	311	48.00	15.90

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5270.00	85.0 PK			1.77 H	162	42.60	42.40
2	*5270.00	74.3 AV			1.77 H	162	31.90	42.40
3	5460.00	61.1 PK	74.0	-12.9	1.77 H	162	56.30	4.80
4	5460.00	48.0 AV	54.0	-6.0	1.77 H	162	43.20	4.80
5	#10540.00	65.0 PK	68.2	-3.2	1.48 H	195	48.80	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5270.00	94.8 PK			1.58 V	247	52.40	42.40
2	*5270.00	83.4 AV			1.58 V	247	41.00	42.40
3	5460.00	62.2 PK	74.0	-11.8	1.58 V	247	57.40	4.80
4	5460.00	49.6 AV	54.0	-4.4	1.58 V	247	44.80	4.80
5	#10540.00	64.3 PK	68.2	-3.9	1.19 V	274	48.10	16.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	85.0 PK			1.65 H	158	42.6	42.4
2	*5310.00	74.3 AV			1.65 H	158	31.9	42.4
3	5350.00	62.1 PK	74.0	-11.9	1.65 H	158	57.3	4.8
4	5350.00	48.9 AV	54.0	-5.1	1.65 H	158	44.1	4.8
5	5460.00	61.0 PK	74.0	-13.0	1.65 H	158	56.2	4.8
6	5460.00	48.3 AV	54.0	-5.7	1.65 H	158	43.5	4.8
7	10620.00	65.3 PK	74.0	-8.7	1.37 H	189	48.9	16.4
8	10620.00	51.7 AV	54.0	-2.3	1.37 H	189	35.3	16.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	95.2 PK			1.49 V	254	52.8	42.4
2	*5310.00	85.0 AV			1.49 V	254	42.6	42.4
3	5350.00	60.8 PK	74.0	-13.2	1.49 V	254	56.0	4.8
4	5350.00	50.6 AV	54.0	-3.4	1.49 V	254	45.8	4.8
5	5460.00	61.8 PK	74.0	-12.2	1.49 V	254	57.0	4.8
6	5460.00	48.6 AV	54.0	-5.4	1.49 V	254	43.8	4.8
7	10620.00	63.7 PK	74.0	-10.3	1.28 V	300	47.3	16.4
8	10620.00	49.9 AV	54.0	-4.1	1.28 V	300	33.5	16.4

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.9 PK	74.0	-13.1	1.74 H	162	56.10	4.80
2	5460.00	47.8 AV	54.0	-6.2	1.74 H	162	43.00	4.80
3	#5470.00	62.1 PK	74.0	-11.9	1.74 H	162	57.30	4.80
4	#5470.00	48.9 AV	54.0	-5.1	1.74 H	162	44.10	4.80
5	*5510.00	84.3 PK			1.74 H	162	41.80	42.50
6	*5510.00	74.0 AV			1.74 H	162	31.50	42.50
7	11020.00	63.0 PK	74.0	-11.0	1.42 H	179	45.60	17.40
8	11020.00	48.4 AV	54.0	-5.6	1.42 H	179	31.00	17.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	63.2 PK	74.0	-10.8	1.35 V	261	58.40	4.80
2	5460.00	49.3 AV	54.0	-4.7	1.35 V	261	44.50	4.80
3	#5470.00	63.8 PK	74.0	-10.2	1.35 V	261	59.00	4.80
4	#5470.00	49.8 AV	54.0	-4.2	1.35 V	261	45.00	4.80
5	*5510.00	96.2 PK			1.35 V	261	53.70	42.50
6	*5510.00	85.4 AV			1.35 V	261	42.90	42.50
7	11020.00	61.4 PK	74.0	-12.6	1.18 V	318	44.00	17.40
8	11020.00	48.6 AV	54.0	-5.4	1.18 V	318	31.20	17.40

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	91.6 PK			1.78 H	159	49.10	42.50
2	*5550.00	81.0 AV			1.78 H	159	38.50	42.50
3	11100.00	62.2 PK	74.0	-11.8	1.28 H	168	46.00	16.20
4	11100.00	48.5 AV	54.0	-5.5	1.28 H	168	32.30	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	102.3 PK			1.48 V	259	59.80	42.50
2	*5550.00	92.0 AV			1.48 V	259	49.50	42.50
3	11100.00	59.2 PK	74.0	-14.8	1.08 V	292	43.00	16.20
4	11100.00	46.4 AV	54.0	-7.6	1.08 V	292	30.20	16.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	92.4 PK			1.82 H	168	49.70	42.70
2	*5670.00	81.2 AV			1.82 H	168	38.50	42.70
3	#5725.00	59.7 PK	68.2	-8.5	1.82 H	168	54.70	5.00
4	11340.00	64.2 PK	74.0	-9.8	1.25 H	157	47.00	17.20
5	11340.00	51.4 AV	54.0	-2.6	1.25 H	157	34.20	17.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	101.6 PK			1.55 V	253	58.90	42.70
2	*5670.00	91.5 AV			1.55 V	253	48.80	42.70
3	#5725.00	62.8 PK	68.2	-5.4	1.55 V	253	57.80	5.00
4	11340.00	63.0 PK	74.0	-11.0	1.00 V	314	45.80	17.20
5	11340.00	49.5 AV	54.0	-4.5	1.00 V	314	32.30	17.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11ac (80MHz)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.6 PK	74.0	-15.4	1.76 H	170	54.00	4.60
2	5150.00	47.9 AV	54.0	-6.1	1.76 H	170	43.30	4.60
3	*5210.00	82.0 PK			1.76 H	170	39.70	42.30
4	*5210.00	71.2 AV			1.76 H	170	28.90	42.30
5	#10420.00	65.0 PK	68.2	-3.2	1.19 H	152	49.00	16.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	66.6 PK	74.0	-7.4	1.48 V	261	62.00	4.60
2	5150.00	52.6 AV	54.0	-1.4	1.48 V	261	48.00	4.60
3	*5210.00	92.3 PK			1.48 V	261	50.00	42.30
4	*5210.00	81.2 AV			1.48 V	261	38.90	42.30
5	#10420.00	65.4 PK	68.2	-2.8	1.00 V	152	49.40	16.00

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	80.0 PK			1.67 H	188	37.6	42.4
2	*5290.00	69.9 AV			1.67 H	188	27.5	42.4
3	5350.00	58.6 PK	74.0	-15.4	1.67 H	188	53.8	4.8
4	5350.00	46.5 AV	54.0	-7.5	1.67 H	188	41.7	4.8
5	5460.00	61.8 PK	74.0	-12.2	1.67 H	188	57.0	4.8
6	5460.00	47.8 AV	54.0	-6.2	1.67 H	188	43.0	4.8
7	#10580.00	65.5 PK	68.2	-2.7	1.16 H	148	49.3	16.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	93.0 PK			1.56 V	257	50.6	42.4
2	*5290.00	81.6 AV			1.56 V	257	39.2	42.4
3	5350.00	57.6 PK	74.0	-16.4	1.56 V	257	52.8	4.8
4	5350.00	43.7 AV	54.0	-10.3	1.56 V	257	38.9	4.8
5	5460.00	63.1 PK	74.0	-10.9	1.56 V	257	58.3	4.8
6	5460.00	49.3 AV	54.0	-4.7	1.56 V	257	44.5	4.8
7	#10580.00	62.5 PK	68.2	-5.7	1.00 V	138	46.3	16.2

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.2 PK	74.0	-12.8	1.66 H	193	56.40	4.80
2	5460.00	48.1 AV	54.0	-5.9	1.66 H	193	43.30	4.80
3	#5470.00	62.0 PK	68.2	-6.2	1.66 H	193	57.20	4.80
4	*5530.00	83.7 PK			1.66 H	193	41.20	42.50
5	*5530.00	73.0 AV			1.66 H	193	30.50	42.50
6	11060.00	62.8 PK	74.0	-11.2	1.25 H	159	46.10	16.70
7	11060.00	49.2 AV	54.0	-4.8	1.25 H	159	32.50	16.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	64.8 PK	74.0	-9.2	1.47 V	258	60.00	4.80
2	5460.00	51.2 AV	54.0	-2.8	1.47 V	258	46.40	4.80
3	#5470.00	67.1 PK	68.2	-1.1	1.47 V	258	62.30	4.80
4	*5530.00	93.0 PK			1.47 V	258	50.50	42.50
5	*5530.00	81.6 AV			1.47 V	258	39.10	42.50
6	11060.00	60.9 PK	74.0	-13.1	1.03 V	141	44.20	16.70
7	11060.00	47.2 AV	54.0	-6.8	1.03 V	141	30.50	16.70

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Chain A + B

802.11n (20MHz)

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	61.8 PK	74.0	-12.2	1.69 H	77	57.20	4.60
2	5150.00	49.4 AV	54.0	-4.6	1.69 H	77	44.80	4.60
3	*5180.00	92.6 PK			1.76 H	83	50.40	42.20
4	*5180.00	83.0 AV			1.76 H	83	40.80	42.20
5	#10360.00	63.2 PK	68.2	-5.0	1.18 H	246	47.40	15.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	70.6 PK	74.0	-3.4	1.44 V	258	66.00	4.60
2	5150.00	52.6 AV	54.0	-1.4	1.44 V	258	48.00	4.60
3	*5180.00	103.1 PK			1.34 V	257	60.90	42.20
4	*5180.00	93.8 AV			1.34 V	257	51.60	42.20
5	#10360.00	64.2 PK	68.2	-4.0	1.14 V	251	48.40	15.80

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	93.2 PK			1.82 H	97	51.00	42.20
2	*5200.00	83.0 AV			1.82 H	97	40.80	42.20
3	#10400.00	62.4 PK	68.2	-5.8	1.09 H	253	46.50	15.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	104.3 PK			1.28 V	266	62.10	42.20
2	*5200.00	92.8 AV			1.28 V	266	50.60	42.20
3	#10400.00	64.5 PK	68.2	-3.7	1.07 V	243	48.60	15.90

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	60.9 PK	74.0	-13.1	1.66 H	115	56.3	4.6
2	5150.00	48.6 AV	54.0	-5.4	1.66 H	115	44.0	4.6
3	*5240.00	94.1 PK			1.77 H	87	51.8	42.3
4	*5240.00	83.2 AV			1.77 H	87	40.9	42.3
5	5350.00	60.4 PK	74.0	-13.6	1.77 H	87	55.6	4.8
6	5350.00	46.1 AV	54.0	-7.9	1.77 H	87	41.3	4.8
7	#10480.00	62.4 PK	68.2	-5.8	1.24 H	228	46.2	16.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	69.9 PK	74.0	-4.1	1.33 V	228	65.3	4.6
2	5150.00	51.1 AV	54.0	-2.9	1.33 V	228	46.5	4.6
3	*5240.00	104.8 PK			1.42 V	251	62.5	42.3
4	*5240.00	94.5 AV			1.42 V	251	52.2	42.3
5	5350.00	63.1 PK	74.0	-10.9	1.42 V	251	58.3	4.8
6	5350.00	49.8 AV	54.0	-4.2	1.42 V	251	45.0	4.8
7	#10480.00	65.0 PK	68.2	-3.2	1.00 V	256	48.8	16.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	62.0 PK	74.0	-12.0	1.68 H	76	57.40	4.60
2	5150.00	49.6 AV	54.0	-4.4	1.68 H	76	45.00	4.60
3	*5260.00	93.4 PK			1.82 H	91	51.10	42.30
4	*5260.00	82.5 AV			1.82 H	91	40.20	42.30
5	#10520.00	63.3 PK	68.2	-4.9	1.24 H	252	47.20	16.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	69.3 PK	74.0	-4.7	1.47 V	215	64.70	4.60
2	5150.00	50.4 AV	54.0	-3.6	1.47 V	215	45.80	4.60
3	*5260.00	103.7 PK			1.52 V	247	61.40	42.30
4	*5260.00	93.4 AV			1.52 V	247	51.10	42.30
5	#10520.00	64.1 PK	68.2	-4.1	1.07 V	189	48.00	16.10

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	94.2 PK			1.79 H	88	51.80	42.40
2	*5300.00	84.0 AV			1.79 H	88	41.60	42.40
3	10600.00	63.6 PK	74.0	-10.4	1.22 H	246	47.40	16.20
4	10600.00	50.7 AV	54.0	-3.3	1.22 H	246	34.50	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	104.5 PK			1.49 V	235	62.10	42.40
2	*5300.00	94.2 AV			1.49 V	235	51.80	42.40
3	10600.00	64.6 PK	74.0	-9.4	1.00 V	176	48.40	16.20
4	10600.00	51.8 AV	54.0	-2.2	1.00 V	176	35.60	16.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	90.7 PK			1.69 H	86	48.30	42.40
2	*5320.00	80.3 AV			1.69 H	86	37.90	42.40
3	5350.00	60.4 PK	74.0	-13.6	1.55 H	107	55.60	4.80
4	5350.00	48.0 AV	54.0	-6.0	1.55 H	107	43.20	4.80
5	10640.00	64.5 PK	74.0	-9.5	1.19 H	254	48.30	16.20
6	10640.00	51.9 AV	54.0	-2.1	1.19 H	254	35.70	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	101.4 PK			1.53 V	261	59.00	42.40
2	*5320.00	90.6 AV			1.53 V	261	48.20	42.40
3	5350.00	68.8 PK	74.0	-5.2	1.43 V	241	64.00	4.80
4	5350.00	52.7 AV	54.0	-1.3	1.43 V	241	47.90	4.80
5	10640.00	66.4 PK	74.0	-7.6	1.03 V	168	50.20	16.20
6	10640.00	52.3 AV	54.0	-1.7	1.03 V	168	36.10	16.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.6 PK	74.0	-14.4	1.52 H	108	54.80	4.80
2	5460.00	47.8 AV	54.0	-6.2	1.52 H	108	43.00	4.80
3	#5470.00	60.5 PK	68.2	-7.7	1.65 H	77	55.70	4.80
4	*5500.00	90.8 PK			1.72 H	85	48.30	42.50
5	*5500.00	80.7 AV			1.72 H	85	38.20	42.50
6	11000.00	61.1 PK	74.0	-12.9	1.32 H	243	43.50	17.60
7	11000.00	48.6 AV	54.0	-5.4	1.32 H	243	31.00	17.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.8 PK	74.0	-12.2	1.62 V	259	57.00	4.80
2	5460.00	50.0 AV	54.0	-4.0	1.62 V	259	45.20	4.80
3	#5470.00	56.0 PK	68.2	-12.2	1.38 V	198	51.20	4.80
4	*5500.00	101.2 PK			1.46 V	238	58.70	42.50
5	*5500.00	91.0 AV			1.46 V	238	48.50	42.50
6	11000.00	63.4 PK	74.0	-10.6	1.28 V	198	45.80	17.60
7	11000.00	49.1 AV	54.0	-4.9	1.28 V	198	31.50	17.60

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	95.7 PK			1.55 H	263	53.10	42.60
2	*5580.00	84.6 AV			1.55 H	263	42.00	42.60
3	11160.00	60.3 PK	74.0	-13.7	1.37 H	189	44.00	16.30
4	11160.00	47.5 AV	54.0	-6.5	1.37 H	189	31.20	16.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	107.0 PK			1.43 V	218	64.40	42.60
2	*5580.00	96.3 AV			1.43 V	218	53.70	42.60
3	11160.00	62.4 PK	74.0	-11.6	1.16 V	175	46.10	16.30
4	11160.00	48.8 AV	54.0	-5.2	1.16 V	175	32.50	16.30

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	95.7 PK			1.49 H	271	53.00	42.70
2	*5700.00	85.0 AV			1.49 H	271	42.30	42.70
3	#5725.00	62.0 PK	74.0	-12.0	1.58 H	263	57.00	5.00
4	#5725.00	48.0 AV	54.0	-6.0	1.58 H	263	43.00	5.00
5	11400.00	61.4 PK	74.0	-12.6	1.40 H	200	44.50	16.90
6	11400.00	48.1 AV	54.0	-5.9	1.40 H	200	31.20	16.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	105.0 PK			1.38 V	205	62.30	42.70
2	*5700.00	95.1 AV			1.38 V	205	52.40	42.70
3	#5725.00	71.0 PK	74.0	-3.0	1.49 V	188	66.00	5.00
4	#5725.00	52.6 AV	54.0	-1.4	1.49 V	188	47.60	5.00
5	11400.00	63.9 PK	74.0	-10.1	1.45 V	199	47.00	16.90
6	11400.00	50.4 AV	54.0	-3.6	1.45 V	199	33.50	16.90

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (40MHz)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	56.8 PK	74.0	-17.2	1.00 H	150	53.5	3.3
2	4500.00	44.1 AV	54.0	-9.9	1.00 H	150	40.8	3.3
3	5150.00	57.1 PK	74.0	-16.9	1.00 H	148	52.5	4.6
4	5150.00	44.7 AV	54.0	-9.3	1.00 H	148	40.1	4.6
5	*5190.00	82.3 PK			1.00 H	148	40.1	42.2
6	*5190.00	72.4 AV			1.00 H	148	30.2	42.2
7	#10380.00	61.9 PK	68.2	-6.3	1.00 H	204	46.0	15.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	58.4 PK	74.0	-15.6	1.00 V	34	55.1	3.3
2	4500.00	45.3 AV	54.0	-8.7	1.00 V	34	42.0	3.3
3	5150.00	65.5 PK	74.0	-8.5	1.00 V	301	60.9	4.6
4	5150.00	47.1 AV	54.0	-6.9	1.00 V	301	42.5	4.6
5	*5190.00	92.0 PK			1.00 V	301	49.8	42.2
6	*5190.00	80.8 AV			1.00 V	301	38.6	42.2
7	#10380.00	62.4 PK	68.2	-5.8	1.00 V	174	46.5	15.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	54.6 PK	74.0	-19.4	1.00 H	155	50.0	4.6
2	5150.00	42.1 AV	54.0	-11.9	1.00 H	155	37.5	4.6
3	*5230.00	91.3 PK			1.00 H	155	49.0	42.3
4	*5230.00	81.3 AV			1.00 H	155	39.0	42.3
5	5460.00	58.7 PK	74.0	-15.3	1.00 H	149	53.9	4.8
6	5460.00	45.7 AV	54.0	-8.3	1.00 H	149	40.9	4.8
7	#10460.00	62.1 PK	68.2	-6.1	1.00 H	310	46.2	15.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	63.8 PK	74.0	-10.2	1.00 V	300	59.2	4.6
2	5150.00	46.8 AV	54.0	-7.2	1.00 V	300	42.2	4.6
3	*5230.00	99.2 PK			1.00 V	300	56.9	42.3
4	*5230.00	89.0 AV			1.00 V	300	46.7	42.3
5	5460.00	57.9 PK	74.0	-16.1	1.00 V	274	53.1	4.8
6	5460.00	45.0 AV	54.0	-9.0	1.00 V	274	40.2	4.8
7	#10460.00	63.2 PK	68.2	-5.0	1.00 V	360	47.3	15.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	58.4 PK	74.0	-15.6	1.00 H	151	55.10	3.30
2	4500.00	45.3 AV	54.0	-8.7	1.00 H	151	42.00	3.30
3	*5270.00	88.1 PK			1.00 H	149	45.70	42.40
4	*5270.00	78.0 AV			1.00 H	149	35.60	42.40
5	#10540.00	63.7 PK	68.2	-4.5	1.00 H	230	47.50	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	58.6 PK	74.0	-15.4	1.00 V	270	55.30	3.30
2	4500.00	45.6 AV	54.0	-8.4	1.00 V	270	42.30	3.30
3	*5270.00	98.2 PK			1.00 V	310	55.80	42.40
4	*5270.00	87.3 AV			1.00 V	310	44.90	42.40
5	#10540.00	62.6 PK	68.2	-5.6	1.00 V	360	46.40	16.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	88.4 PK			1.00 H	162	46.00	42.40
2	*5310.00	78.2 AV			1.00 H	162	35.80	42.40
3	5350.00	61.7 PK	74.0	-12.3	1.00 H	159	56.90	4.80
4	5350.00	46.9 AV	54.0	-7.1	1.00 H	159	42.10	4.80
5	10620.00	62.8 PK	74.0	-11.2	1.00 H	350	46.40	16.40
6	10620.00	49.2 AV	54.0	-4.8	1.00 H	350	32.80	16.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	97.4 PK			1.00 V	144	55.00	42.40
2	*5310.00	87.1 AV			1.00 V	144	44.70	42.40
3	5350.00	58.6 PK	74.0	-15.4	1.00 V	130	53.80	4.80
4	5350.00	46.1 AV	54.0	-7.9	1.00 V	130	41.30	4.80
5	10620.00	63.4 PK	74.0	-10.6	1.00 V	10	47.00	16.40
6	10620.00	49.6 AV	54.0	-4.4	1.00 V	10	33.20	16.40

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.9 PK	74.0	-16.1	1.20 H	159	15.40	42.50
2	5460.00	44.2 AV	54.0	-9.8	1.20 H	159	1.70	42.50
3	#5470.00	59.3 PK	68.2	-8.9	1.20 H	160	54.50	4.80
4	*5510.00	88.7 PK			1.20 H	162	46.20	42.50
5	*5510.00	78.2 AV			1.20 H	162	35.70	42.50
6	11020.00	60.6 PK	74.0	-13.4	1.00 H	350	43.20	17.40
7	11020.00	46.3 AV	54.0	-7.7	1.00 H	350	28.90	17.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.9 PK	74.0	-16.1	1.25 V	148	53.10	4.80
2	5460.00	44.8 AV	54.0	-9.2	1.25 V	148	40.00	4.80
3	#5470.00	59.1 PK	68.2	-9.1	1.25 V	150	54.30	4.80
4	*5510.00	99.1 PK			1.25 V	156	56.60	42.50
5	*5510.00	89.8 AV			1.25 V	156	47.30	42.50
6	11020.00	60.3 PK	74.0	-13.7	1.10 V	350	42.90	17.40
7	11020.00	46.1 AV	54.0	-7.9	1.10 V	350	28.70	17.40

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	93.4 PK			1.28 H	155	50.90	42.50
2	*5550.00	82.2 AV			1.28 H	155	39.70	42.50
3	11000.00	58.6 PK	74.0	-15.4	1.05 H	360	41.00	17.60
4	11000.00	48.1 AV	54.0	-5.9	1.05 H	360	30.50	17.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	101.6 PK			1.23 V	149	59.10	42.50
2	*5550.00	90.4 AV			1.23 V	149	47.90	42.50
3	11000.00	58.6 PK	74.0	-15.4	1.05 V	350	41.00	17.60
4	11000.00	47.1 AV	54.0	-6.9	1.05 V	350	29.50	17.60

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	94.1 PK			1.30 H	150	51.40	42.70
2	*5670.00	83.7 AV			1.30 H	150	41.00	42.70
3	#5725.00	57.8 PK	68.2	-10.4	1.25 H	165	52.80	5.00
4	11340.00	61.5 PK	74.0	-12.5	1.10 H	360	44.30	17.20
5	11340.00	48.9 AV	54.0	-5.1	1.10 H	360	31.70	17.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	102.1 PK			1.21 V	260	59.40	42.70
2	*5670.00	91.8 AV			1.21 V	260	49.10	42.70
3	#5725.00	57.9 PK	68.2	-10.3	1.20 V	248	52.90	5.00
4	11340.00	60.9 PK	74.0	-13.1	1.00 V	355	43.70	17.20
5	11340.00	46.9 AV	54.0	-7.1	1.00 V	355	29.70	17.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11ac (80MHz)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	58.6 PK	74.0	-15.4	1.15 H	145	55.3	3.3
2	4500.00	45.5 AV	54.0	-8.5	1.15 H	145	42.2	3.3
3	5150.00	56.4 PK	74.0	-17.6	1.15 H	151	51.8	4.6
4	5150.00	45.3 AV	54.0	-8.7	1.15 H	151	40.7	4.6
5	*5210.00	82.1 PK			1.15 H	151	39.8	42.3
6	*5210.00	70.4 AV			1.15 H	151	28.1	42.3
7	#10420.00	60.3 PK	68.2	-7.9	1.00 H	340	44.3	16.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4500.00	58.1 PK	74.0	-15.9	1.20 V	250	54.8	3.3
2	4500.00	45.0 AV	54.0	-9.0	1.20 V	250	41.7	3.3
3	5150.00	65.3 PK	74.0	-8.7	1.24 V	240	60.7	4.6
4	5150.00	51.3 AV	54.0	-2.7	1.24 V	240	46.7	4.6
5	*5210.00	91.4 PK			1.24 V	240	49.1	42.3
6	*5210.00	79.0 AV			1.24 V	240	36.7	42.3
7	#10420.00	62.4 PK	68.2	-5.8	1.00 V	340	46.4	16.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	83.2 PK			1.27 H	260	40.80	42.40
2	*5290.00	71.5 AV			1.27 H	260	29.10	42.40
3	5350.00	57.2 PK	74.0	-16.8	1.25 H	240	52.40	4.80
4	5350.00	44.5 AV	54.0	-9.5	1.25 H	240	39.70	4.80
5	#10580.00	62.0 PK	68.2	-6.2	1.20 H	300	45.80	16.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	94.1 PK			1.25 V	178	89.30	4.80
2	*5290.00	83.4 AV			1.25 V	178	78.60	4.80
3	5350.00	57.7 PK	74.0	-16.3	1.25 V	150	52.90	4.80
4	5350.00	44.4 AV	54.0	-9.6	1.25 V	150	39.60	4.80
5	#10580.00	60.9 PK	68.2	-7.3	1.10 V	340	44.70	16.20

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	59.1 PK	68.2	-9.1	1.20 H	300	54.30	4.80
2	*5530.00	84.7 PK			1.28 H	290	42.20	42.50
3	*5530.00	71.9 AV			1.28 H	290	29.40	42.50
4	11060.00	58.9 PK	74.0	-15.1	1.10 H	0	42.20	16.70
5	11060.00	46.2 AV	54.0	-7.8	1.10 H	0	29.50	16.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	59.0 PK	68.2	-9.2	1.20 V	160	54.20	4.80
2	*5530.00	90.7 PK			1.24 V	149	48.20	42.50
3	*5530.00	79.0 AV			1.24 V	149	36.50	42.50
4	11060.00	60.3 PK	74.0	-13.7	1.20 V	300	43.60	16.70
5	11060.00	48.1 AV	54.0	-5.9	1.20 V	300	31.40	16.70

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Below 1GHz worst-case data

Chain A

802.11a

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		
TEST MODE	A		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	31.94	23.7 QP	40.0	-16.3	2.00 H	210	39.6	-15.9
2	134.76	27.7 QP	43.5	-15.8	2.00 H	102	42.1	-14.4
3	206.54	27.0 QP	43.5	-16.5	1.00 H	234	43.0	-16.0
4	255.04	23.3 QP	46.0	-22.7	1.00 H	88	36.4	-13.1
5	419.94	40.7 QP	46.0	-5.3	2.00 H	15	49.1	-8.4
6	901.06	42.9 QP	46.0	-3.1	2.00 H	219	39.9	3.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	31.94	35.0 QP	40.0	-5.0	2.00 V	351	50.9	-15.9
2	39.70	33.3 QP	40.0	-6.7	1.01 V	181	48.0	-14.7
3	84.32	25.2 QP	40.0	-14.8	1.01 V	243	43.9	-18.7
4	109.54	27.2 QP	43.5	-16.3	1.01 V	142	44.3	-17.1
5	206.54	25.2 QP	43.5	-18.3	1.01 V	287	41.2	-16.0
6	255.04	27.0 QP	46.0	-19.0	1.01 V	66	40.1	-13.1

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		
TEST MODE	B		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	33.88	29.6 QP	40.0	-10.4	1.99 H	247	45.0	-15.4
2	76.56	24.9 QP	40.0	-15.1	1.99 H	287	42.2	-17.3
3	212.36	26.3 QP	43.5	-17.2	1.00 H	10	42.3	-16.0
4	249.22	24.9 QP	46.0	-21.1	1.00 H	134	38.3	-13.4
5	499.48	30.0 QP	46.0	-16.0	1.99 H	194	36.5	-6.5
6	827.34	35.2 QP	46.0	-10.8	1.99 H	7	33.9	1.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	33.99	26.0 QP	40.0	-14.0	1.00 V	223	41.4	-15.4
2	76.56	31.8 QP	40.0	-8.2	1.00 V	109	49.1	-17.3
3	158.04	21.2 QP	43.5	-22.3	1.00 V	125	34.5	-13.3
4	175.50	20.5 QP	43.5	-23.0	1.00 V	228	34.3	-13.8
5	258.92	25.6 QP	46.0	-20.4	1.00 V	321	38.6	-13.0
6	829.28	35.3 QP	46.0	-10.7	1.00 V	19	34.0	1.3

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESCI	100613	Nov. 16, 2015	Nov. 15, 2016
RF signal cable (with 10dB PAD) Woken	5D-FB	Cable-cond1-01	Dec. 26, 2015	Dec. 25, 2016
LISN/AMN ROHDE & SCHWARZ (EUT)	ESH3-Z5	835239/001	Feb. 26, 2016	Feb. 25, 2017
LISN/AMN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100220	Nov. 13, 2015	Nov. 12, 2016
Software ADT	BV ADT_Cond_ V7.3.7.3	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Shielded Room 1.
3. The VCCI Site Registration No. is C-2040.

4.2.3 Test Procedures

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

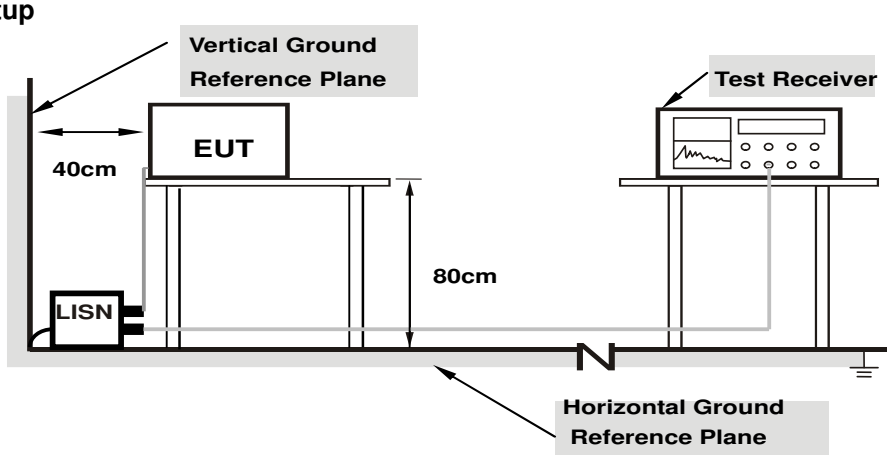
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 EUT Operating Conditions

Same as 4.1.6.

4.2.7 Test Results

Chain A

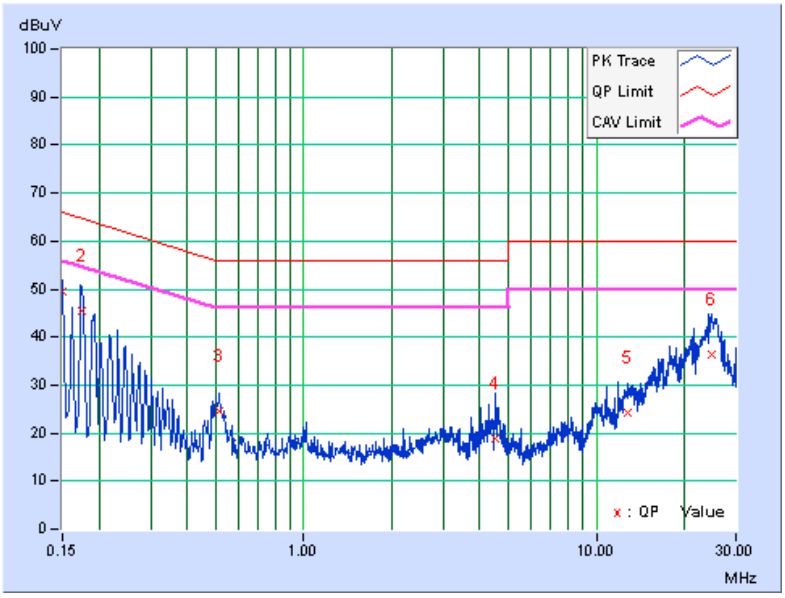
802.11a

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.15000**	**10.01**	**39.42**	**23.67**	**49.43**	**33.68**	**66.00**	**56.00**	**-16.57**	**-22.32**
2	0.17374	10.02	35.43	18.34	45.45	28.36	64.78	54.78	-19.33	-26.42
3	0.51448	10.14	14.33	8.41	24.47	18.55	56.00	46.00	-31.53	-27.45
4	4.54484	10.44	8.38	-1.08	18.82	9.36	56.00	46.00	-37.18	-36.64
5	12.83404	10.89	13.50	7.49	24.39	18.38	60.00	50.00	-35.61	-31.62
6	24.74390	11.65	24.77	15.04	36.42	26.69	60.00	50.00	-23.58	-23.31

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

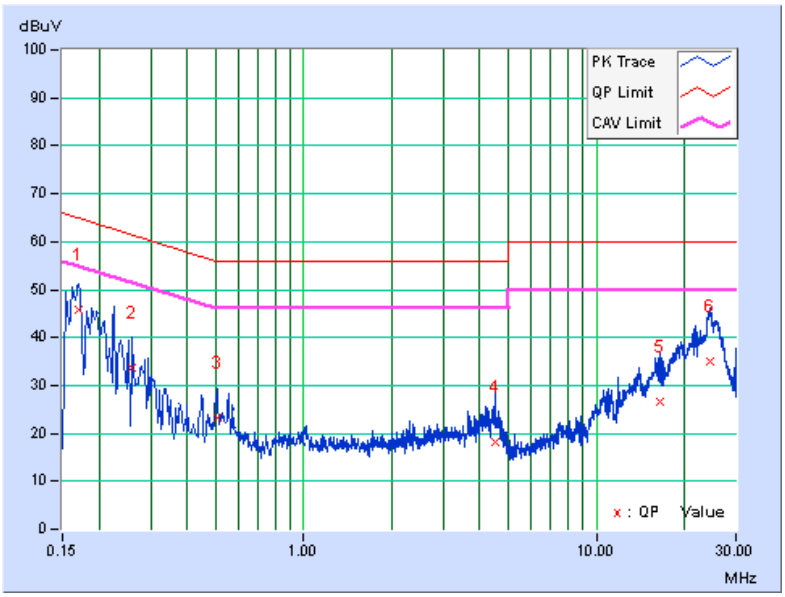


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16955	10.03	35.85	17.55	45.88	27.58	64.98	54.98	-19.10	-27.40
2	0.25948	10.07	23.56	10.90	33.63	20.97	61.45	51.45	-27.82	-30.48
3	0.50581	10.14	13.21	6.33	23.35	16.47	56.00	46.00	-32.65	-29.53
4	4.51356	10.46	7.81	-0.91	18.27	9.55	56.00	46.00	-37.73	-36.45
5	16.42342	11.22	15.52	8.16	26.74	19.38	60.00	50.00	-33.26	-30.62
6	24.37245	11.78	23.37	12.89	35.15	24.67	60.00	50.00	-24.85	-25.33

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

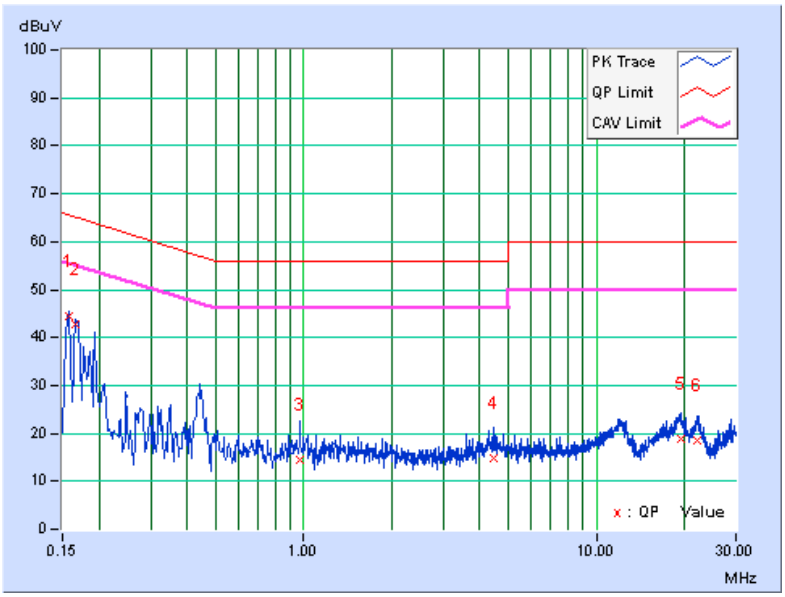


Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	B		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15760	10.02	34.46	18.76	44.48	28.78	65.59	55.59	-21.11	-26.81
2	0.16569	10.02	32.61	16.91	42.63	26.93	65.17	55.17	-22.54	-28.24
3	0.97110	10.20	4.32	-0.35	14.52	9.85	56.00	46.00	-41.48	-36.15
4	4.45100	10.43	4.49	-1.20	14.92	9.23	56.00	46.00	-41.08	-36.77
5	19.51232	11.33	7.57	1.49	18.90	12.82	60.00	50.00	-41.10	-37.18
6	22.21022	11.50	6.95	1.94	18.45	13.44	60.00	50.00	-41.55	-36.56

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

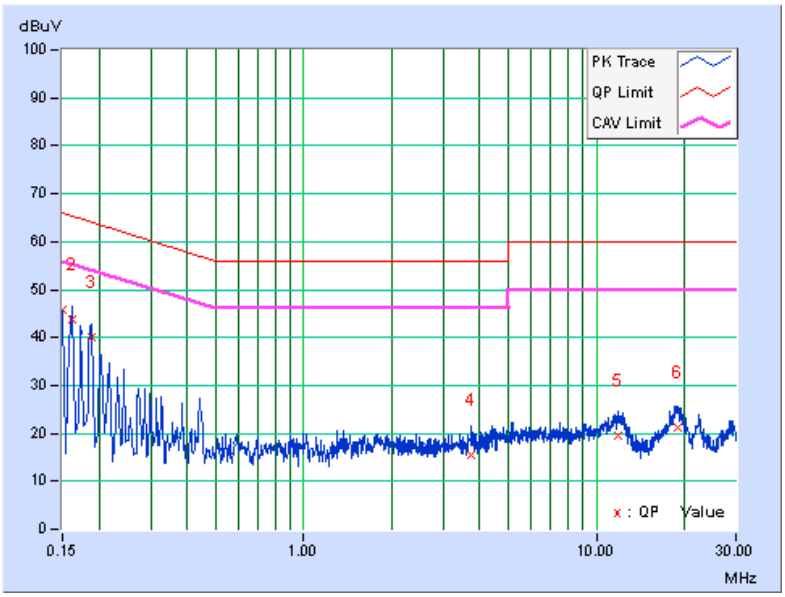


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	B		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.03	35.72	18.83	45.75	28.86	66.00	56.00	-20.25	-27.14
2	0.16173	10.03	33.75	16.66	43.78	26.69	65.37	55.37	-21.59	-28.68
3	0.18803	10.04	29.93	14.04	39.97	24.08	64.12	54.12	-24.15	-30.04
4	3.75111	10.41	5.11	-0.51	15.52	9.90	56.00	46.00	-40.48	-36.10
5	11.88391	10.92	8.74	2.55	19.66	13.47	60.00	50.00	-40.34	-36.53
6	18.88281	11.40	9.97	4.29	21.37	15.69	60.00	50.00	-38.63	-34.31

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab
Tel: 886-3-6668565
Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety
Tel: 886-3-3183232
Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

--- END ---