

FCC Test Report (WLAN)

Report No.: RF170513E01-1

FCC ID: R68XPICO200

Test Model: xPico 250, xPico 240

Received Date: May 13, 2017

Test Date: Sep. 11 to 16, 2017

Issued Date: Oct. 02, 2017

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Release Control Record

Issue No.	Description	Date Issued
RF170513E01-1	Original release.	Oct. 02, 2017

1 Certificate of Conformity

Product: xPico® 200 Series Wi-Fi® IoT Gateway module

Brand: Lantronix

Test Model: xPico 250, xPico 240

Sample Status: ENGINEERING SAMPLE

Applicant: Lantronix, Inc.

Test Date: Sep. 11 to 16, 2017

Standard: 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 : Wendy Wu , **Date:** Oct. 02, 2017
Wendy Wu / Specialist

Approved by : May Chen , **Date:** Oct. 02, 2017
May Chen / 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 -8.49dB at 0.37266MHz.
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 -0.1dB at 5150.00MHz, 5350.00MHz, 5470.00MHz, 5725.00MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	Pass	Meet the requirement of limit.
---	Occupied Bandwidth Measurement	-	Reference only.
15.407(a)(1/2/3)	Peak Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6dB bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	Antenna connectors are RSMA and i-pex (MHF) not a standard connector.

*For U-NII-3 band compliance with rule part 15.407(b)(4)(i), the OOB test plots were recorded in Annex A.

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 ports	150kHz ~ 30MHz	1.84 dB
Radiated Emissions up to 1 GHz	30MHz ~ 1GHz	5.30 dB
Radiated Emissions above 1 GHz	1GHz ~ 6GHz	5.16 dB
	6GHz ~ 18GHz	4.91 dB
	18GHz ~ 40GHz	5.30 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	xPico® 200 Series Wi-Fi® IoT Gateway module
Brand	Lantronix
Test Model	xPico 250, xPico 240
Status of EUT	ENGINEERING SAMPLE
Power Supply Rating	3.3Vdc from host equipment
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
Modulation Technology	DSSS, OFDM
Transfer Rate	802.11b: up to 11Mbps 802.11a/g: up to 54Mbps 802.11n: up to 150Mbps
Operating Frequency	2.4GHz: 2.412 ~ 2.462GHz 5GHz: 5.18 ~ 5.24GHz, 5.26 ~ 5.32GHz, 5.50 ~ 5.70GHz, 5.745 ~ 5.825GHz
Number of Channel	2.4GHz: 802.11b, 802.11g, 802.11n (HT20): 11 5GHz: 802.11a, 802.11n (HT20): 24 802.11n (HT40): 11
Output Power	2.4GHz: 296.483mW 5GHz: 5.18 ~ 5.24GHz: 69.343mW 5.26 ~ 5.32GHz: 69.343mW 5.50 ~ 5.70GHz: 64.121mW 5.745 ~ 5.825GHz: 66.988mW
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	NA
Data Cable Supplied	NA

Note:

1. There are WLAN, BT technology used for the EUT.
2. The maximum output power in this report that cover the maximum power range of “tune up power document”.
3. Simultaneously transmission condition.

Condition	Technology	
1	WLAN (2.4GHz)	Bluetooth
2	WLAN (5GHz)	Bluetooth

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

4. All models are listed as below.

Product	Brand	Model	Difference	Antenna
xPico [®] 200 Series Wi-Fi [®] IoT Gateway module	Lantronix	xPico 250	SKU A: SIP with two UFL connectors Wi-Fi Chip and Bluetooth chip	Dipole Antenna (long) Dipole Antenna (short) PCB Antenna
		xPico 240	SKU B: same as SKU A, no BT function.	Dipole Antenna (long) Dipole Antenna (short) PCB Antenna
			SKU C: same SKU B except the two UFLs are replaced by a single on-module stamped metal antenna. Circuit board is the same. BOM population option for UFL or on-module antenna circuit is the difference.	On-board Antenna

5. The antennas provided to the EUT, please refer to the following table:

Ant Set.	Brand	Model	Antenna Gain (dBi)	Frequency rang (GHz)	Antenna type	Connector type	*Cable Length	*Cable Loss(dB)	excluding cable loss Antenna Gain(dBi)
1	Taoglas	GW.71.5153	2.8	2.4~2.4835	Dipole	R-SMA	45mm	1	3.8
			3.8	5.15~5.85				1.7	5.5
	Taoglas	GW.71.5153	2.8	2.4~2.4835			45mm	1	3.8
			3.8	5.15~5.85				1.7	5.5
2	NA	WSS002	1	2.4~2.4835	Dipole	R-SMA	45mm	1	2
			0.3	5.15~5.85				1.7	2
	NA	WSS002	1	2.4~2.5			45mm	1	2
			0.3	5.15~5.25				1.7	2
3	ethertronics	1000668	2.5	2.4~2.4835	PCB	i-pex(MHF)	50mm	NA	NA
			5	5.15~5.85					
	ethertronics	1000668	2.5	2.4~2.4835					
			5	5.15~5.85					
4	ProAnt	PRO-OB-536	0.02	2.4~2.4835	Metal	NA	NA	NA	NA
			3.31	5.15~5.85					

Note: From the above antennas, Ant Set 1, 3, 4 were selected as representative antenna for the test.

6. The EUT incorporates a SISO function.

2.4GHz Band			
MODULATION MODE	DATA RATE (MCS)	TX & RX CONFIGURATION	
802.11b	1 ~ 11Mbps	1TX	1RX
802.11g	6 ~ 54Mbps	1TX	1RX
802.11n (HT20)	MCS 0~7	1TX	1RX
5GHz Band			
MODULATION MODE	DATA RATE (MCS)	TX & RX CONFIGURATION	
802.11a	6 ~ 54Mbps	1TX	1RX
802.11n (HT20)	MCS 0~7	1TX	1RX
802.11n (HT40)	MCS 0~7	1TX	1RX

7. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Description of Test Modes

FOR 5180 ~ 5240MHz

4 channels are provided for 802.11a, 802.11n (HT20):

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

2 channels are provided for 802.11n (HT40):

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

FOR 5260 ~ 5320MHz

4 channels are provided for 802.11a, 802.11n (HT20):

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

2 channels are provided for 802.11n (HT40):

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

FOR 5500 ~ 5700MHz

11 channels are provided for 802.11a, 802.11n (HT20):

Channel	Frequency	Channel	Frequency
100	5500 MHz	124	5620 MHz
104	5520 MHz	128	5640 MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz		

5 channels are provided for 802.11n (HT40):

Channel	Frequency	Channel	Frequency
102	5510 MHz	126	5630 MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz		

FOR 5745 ~ 5825MHz:

5 channels are provided for 802.11a, 802.11n (HT20):

Channel	Frequency	Channel	Frequency
149	5745 MHz	161	5805 MHz
153	5765 MHz	165	5825 MHz
157	5785 MHz		

2 channels are provided for 802.11n (HT40):

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable To				Description
	RE \geq 1G	RE<1G	PLC	APCM	
1	√	√	-	-	Ant Set 1
2	√	√	√	√	Ant Set 3
3	√	√	-	-	Ant Set 4

Where **RE \geq 1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz
PLC: Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

NOTE:

- The EUT's antenna (PCB) had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.
- The EUT's antenna (Metal) had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Y-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.

Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6
802.11n (HT20)		36 to 48	36, 40, 48	OFDM	BPSK	6.5
802.11n (HT40)		38 to 46	38, 46	OFDM	BPSK	13.5
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6
802.11n (HT20)		52 to 64	52, 60, 64	OFDM	BPSK	6.5
802.11n (HT40)		54 to 62	54, 62	OFDM	BPSK	13.5
802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6
802.11n (HT20)		100 to 140	100, 116, 140	OFDM	BPSK	6.5
802.11n (HT40)		102 to 134	102, 110, 134	OFDM	BPSK	13.5
802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	6
802.11n (HT20)		149 to 165	149, 157, 165	OFDM	BPSK	6.5
802.11n (HT40)		151 to 159	151, 159	OFDM	BPSK	13.5

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.

Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11a	5180-5240 5260-5320 5500-5700 5745-5825	36 to 48	36	OFDM	BPSK	6

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.

Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11a	5180-5240 5260-5320 5500-5700 5745-5825	36 to 48	36	OFDM	BPSK	6

Antenna Port Conducted Measurement:

This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.

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.

Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6
802.11n (HT20)		36 to 48	36, 40, 48	OFDM	BPSK	6.5
802.11n (HT40)		38 to 46	38, 46	OFDM	BPSK	13.5
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6
802.11n (HT20)		52 to 64	52, 60, 64	OFDM	BPSK	6.5
802.11n (HT40)		54 to 62	54, 62	OFDM	BPSK	13.5
802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6
802.11n (HT20)		100 to 140	100, 116, 140	OFDM	BPSK	6.5
802.11n (HT40)		102 to 134	102, 110, 134	OFDM	BPSK	13.5
802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	6
802.11n (HT20)		149 to 165	149, 157, 165	OFDM	BPSK	6.5
802.11n (HT40)		151 to 159	151, 159	OFDM	BPSK	13.5

Test Condition:

Applicable To	Environmental Conditions	INPUT POWER (SYSTEM)	TESTED BY
RE \geq 1G	25deg. C, 70%RH	120Vac, 60Hz	Jyunchun Lin
RE $<$ 1G	26deg. C, 71%RH	120Vac, 60Hz	Andy Ho
PLC	25deg. C, 75%RH	120Vac, 60Hz	Andy Ho
APCM	27deg. C, 64%RH	120Vac, 60Hz	Anderson Chen

3.3 Duty Cycle of Test Signal

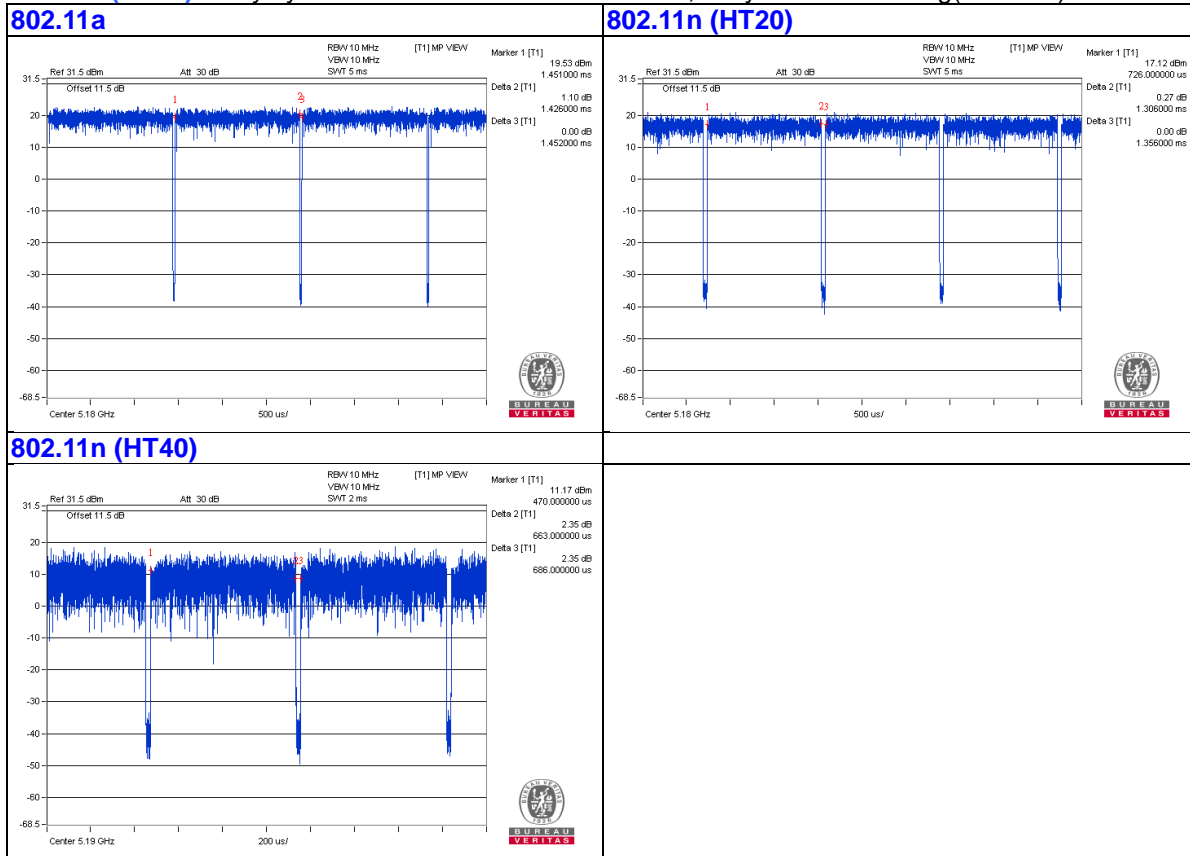
If duty cycle of test signal is $\geq 98\%$, duty factor is not required.

If duty cycle of test signal is $< 98\%$, duty factor shall be considered.

802.11a: Duty cycle = $1.426 \text{ ms} / 1.452 \text{ ms} = 0.982$

802.11n (HT20): Duty cycle = $1.306 \text{ ms} / 1.356 \text{ ms} = 0.963$, Duty factor = $10 * \log(1/0.963) = 0.16$

802.11n (HT40): Duty cycle = $0.663 \text{ ms} / 0.686 \text{ ms} = 0.966$, Duty factor = $10 * \log(1/0.966) = 0.15$



3.4 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.	Test Tool	Lantronix	NA	NA	NA	Supplied by client
B.	Adapter	TOP	W050010GPX1 L1	NA	NA	Supplied by client

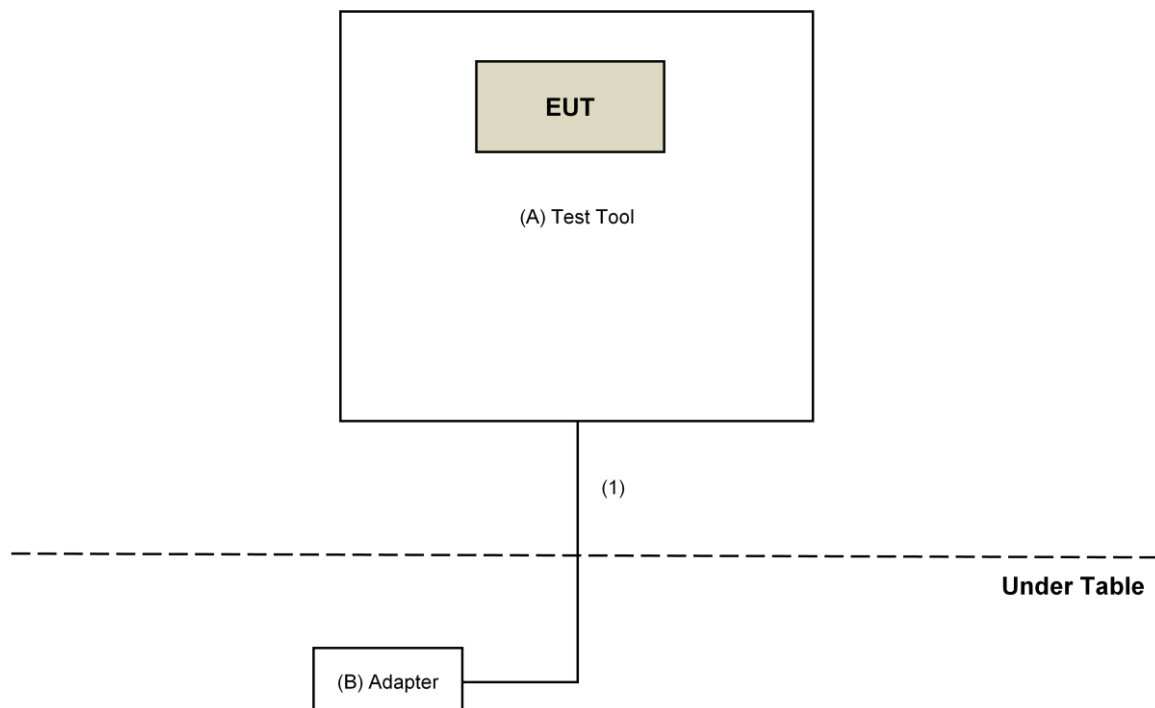
Note:

1. 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.	DC Cable	1	1.8	No	0	Supplied by client

Note: The core(s) is(are) originally attached to the cable(s).

3.4.1 Configuration of System under Test



3.5 General Description of Applied Standard

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 Procedure New Rules v01r04
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

Applicable To		Limit	
789033 D02 General UNII Test Procedure New Rules v01r03		Field Strength at 3m	
		PK:74 (dBuV/m)	AV:54 (dBuV/m)
Frequency Band	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	15.407(b)(1)	PK:-27 (dBm/MHz)	PK:68.2(dBuV/m)
5250~5350 MHz	15.407(b)(2)		
5470~5725 MHz	15.407(b)(3)		
5725~5850 MHz	<input checked="" type="checkbox"/> 15.407(b)(4)(i)	PK:-27 (dBm/MHz) ^{*1} PK:10 (dBm/MHz) ^{*2} PK:15.6 (dBm/MHz) ^{*3} PK:27 (dBm/MHz) ^{*4}	PK: 68.2(dBuV/m) ^{*1} PK:105.2 (dBuV/m) ^{*2} PK: 110.8(dBuV/m) ^{*3} PK:122.2 (dBuV/m) ^{*4}
	<input type="checkbox"/> 15.407(b)(4)(ii)	Emission limits in section 15.247(d)	
^{*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.	

Note:

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

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

4.1.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 08, 2017	July 07, 2018
Pre-Amplifier ^(*) EMCI	EMC001340	980142	Jan. 20, 2016	Jan. 19, 2018
Loop Antenna ^(*) Electro-Metrics	EM-6879	264	Dec. 16, 2016	Dec. 15, 2018
RF Cable	NA	LOOPCAB-001 LOOPCAB-002	Jan. 17, 2017	Jan. 16, 2018
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-01	Nov. 10, 2016	Nov. 09, 2017
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-406	Dec. 13, 2016	Dec. 12, 2017
RF Cable	8D	966-4-1 966-4-2 966-4-3	Apr. 01, 2017	Mar. 31, 2018
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-4-01	Oct. 05, 2016	Oct. 04, 2017
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Dec. 27, 2016	Dec. 26, 2017
Pre-Amplifier EMCI	EMC12630SE	980385	Feb. 02, 2017	Feb. 01, 2018
RF Cable	EMC104-SM-SM-1200 EMC104-SM-SM-2000 EMC104-SM-SM-5000	160923 150318 150321	Feb. 02, 2017 Mar. 29, 2017 Mar. 29, 2017	Feb. 01, 2018 Mar. 28, 2018 Mar. 28, 2018
Pre-Amplifier EMCI	EMC184045SE	980387	Feb. 02, 2017	Feb. 01, 2018
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Dec. 15, 2016	Dec. 14, 2017
RF Cable	SUCOFLEX 102	36432/2 36433/2	Jan. 15, 2017	Jan. 14, 2018
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208410	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP02	NA	NA
Spectrum Analyzer R&S	FSv40	100964	July 1, 2017	June 30, 2018
Power meter Anritsu	ML2495A	1014008	May 11, 2017	May 10, 2018
Power sensor Anritsu	MA2411B	0917122	May 11, 2017	May 10, 2018
AC Power Source Extech Electronics	6205	1440452	NA	NA
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	Jan. 11, 2017	Jan. 10, 2018
Digital Multimeter FLUKE	87III	73680266	Nov. 10, 2016	Nov. 09, 2017

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 calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in 966 Chamber No. 4.
4. Loop antenna was used for all emissions below 30 MHz.
- 5 The FCC Designation Number is TW2022.
6. The CANADA Site Registration No. is 20331-2
7. Tested Date: Sep. 11 to 14, 2017

4.1.3 Test Procedure

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:

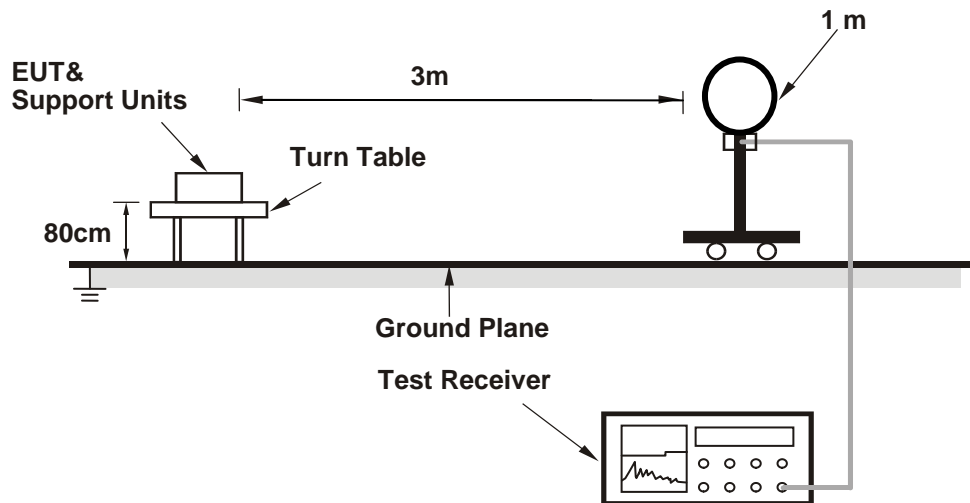
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) 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

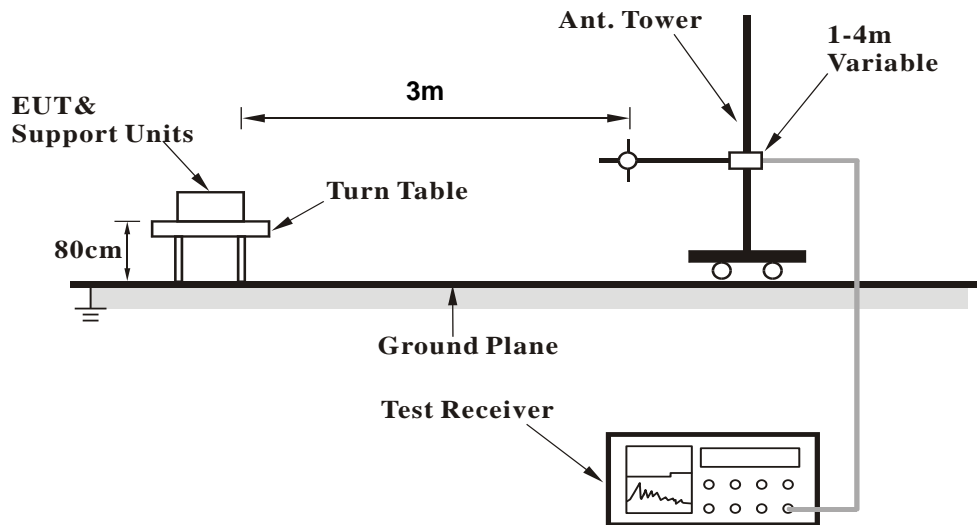
No deviation.

4.1.5 Test Setup

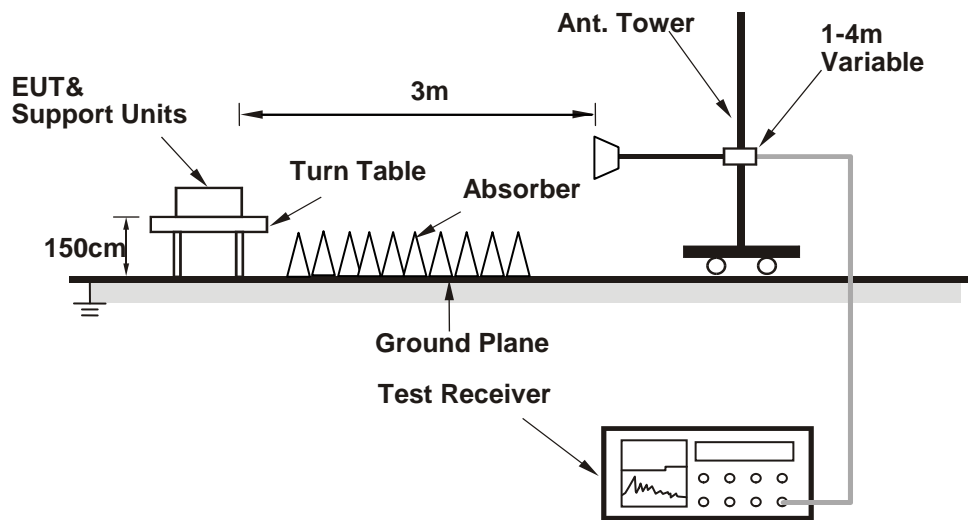
For Radiated emission below 30MHz



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 Condition

- a. Placed the EUT on the testing table.
- b. Controlling software (WI43909B0.exe) has been activated to set the EUT on specific status.

4.1.7 Test Results (Mode 1)

Above 1GHz Data:

802.11a

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

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	56.1 PK	74.0	-17.9	2.28 H	261	52.1	4.0
2	5150.00	42.3 AV	54.0	-11.7	2.28 H	261	38.3	4.0
3	*5180.00	95.4 PK			2.28 H	261	91.4	4.0
4	*5180.00	86.1 AV			2.28 H	261	82.1	4.0
5	#10360.00	47.2 PK	74.0	-26.8	1.51 H	227	33.6	13.6
6	#10360.00	35.6 AV	54.0	-18.4	1.51 H	227	22.0	13.6
7	15540.00	48.6 PK	74.0	-25.4	1.05 H	112	35.4	13.2
8	15540.00	35.8 AV	54.0	-18.2	1.05 H	112	22.6	13.2

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	68.4 PK	74.0	-5.6	2.37 V	239	64.4	4.0
2	5150.00	53.6 AV	54.0	-0.4	2.37 V	239	49.6	4.0
3	*5180.00	108.9 PK			2.37 V	239	104.9	4.0
4	*5180.00	100.2 AV			2.37 V	239	96.2	4.0
5	#10360.00	51.9 PK	74.0	-22.1	1.41 V	209	38.3	13.6
6	#10360.00	39.0 AV	54.0	-15.0	1.41 V	209	25.4	13.6
7	15540.00	52.4 PK	74.0	-21.6	1.00 V	103	39.2	13.2
8	15540.00	39.3 AV	54.0	-14.7	1.00 V	103	26.1	13.2

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	96.7 PK			2.28 H	264	92.7	4.0
2	*5200.00	87.5 AV			2.28 H	264	83.5	4.0
3	#10400.00	49.9 PK	74.0	-24.1	1.04 H	22	36.3	13.6
4	#10400.00	37.0 AV	54.0	-17.0	1.04 H	22	23.4	13.6
5	15600.00	48.8 PK	74.0	-25.2	1.07 H	27	35.4	13.4
6	15600.00	36.4 AV	54.0	-17.6	1.07 H	27	23.0	13.4

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	*5200.00	109.4 PK			2.37 V	239	105.4	4.0
2	*5200.00	100.1 AV			2.37 V	239	96.1	4.0
3	#10400.00	50.8 PK	74.0	-23.2	1.42 V	234	37.2	13.6
4	#10400.00	37.6 AV	54.0	-16.4	1.42 V	234	24.0	13.6
5	15600.00	56.7 PK	74.0	-17.3	2.90 V	331	43.3	13.4
6	15600.00	43.1 AV	54.0	-10.9	2.90 V	331	29.7	13.4

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	96.7 PK			2.27 H	265	92.5	4.2
2	*5240.00	87.3 AV			2.27 H	265	83.1	4.2
3	5350.00	40.2 PK	74.0	-33.8	2.27 H	265	35.8	4.4
4	5350.00	36.4 AV	54.0	-17.6	2.27 H	265	32.0	4.4
5	#10480.00	49.7 PK	74.0	-24.3	1.09 H	50	36.0	13.7
6	#10480.00	37.1 AV	54.0	-16.9	1.09 H	50	23.4	13.7
7	15720.00	48.2 PK	74.0	-25.8	1.13 H	26	34.2	14.0
8	15720.00	35.9 AV	54.0	-18.1	1.13 H	26	21.9	14.0

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	*5240.00	109.3 PK			2.37 V	240	105.1	4.2
2	*5240.00	100.0 AV			2.37 V	240	95.8	4.2
3	5350.00	50.5 PK	74.0	-23.5	2.37 V	240	46.1	4.4
4	5350.00	37.9 AV	54.0	-16.1	2.37 V	240	33.5	4.4
5	#10480.00	50.4 PK	74.0	-23.6	1.49 V	225	36.7	13.7
6	#10480.00	37.3 AV	54.0	-16.7	1.49 V	225	23.6	13.7
7	15720.00	56.0 PK	74.0	-18.0	2.90 V	349	42.0	14.0
8	15720.00	42.5 AV	54.0	-11.5	2.90 V	349	28.5	14.0

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	49.8 PK	74.0	-24.2	2.25 H	261	45.8	4.0
2	5150.00	37.2 AV	54.0	-16.8	2.25 H	261	33.2	4.0
3	*5260.00	96.6 PK			2.25 H	261	92.4	4.2
4	*5260.00	87.0 AV			2.25 H	261	82.8	4.2
5	#10520.00	49.8 PK	74.0	-24.2	1.05 H	40	36.0	13.8
6	#10520.00	37.2 AV	54.0	-16.8	1.05 H	40	23.4	13.8
7	15780.00	48.3 PK	74.0	-25.7	1.08 H	8	34.2	14.1
8	15780.00	35.9 AV	54.0	-18.1	1.08 H	8	21.8	14.1

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	50.5 PK	74.0	-23.5	2.43 V	240	46.5	4.0
2	5150.00	37.4 AV	54.0	-16.6	2.43 V	240	33.4	4.0
3	*5260.00	109.2 PK			2.43 V	240	105.0	4.2
4	*5260.00	99.7 AV			2.43 V	240	95.5	4.2
5	#10520.00	50.6 PK	74.0	-23.4	1.44 V	224	36.8	13.8
6	#10520.00	37.3 AV	54.0	-16.7	1.44 V	224	23.5	13.8
7	15780.00	56.4 PK	74.0	-17.6	2.91 V	341	42.3	14.1
8	15780.00	42.6 AV	54.0	-11.4	2.91 V	341	28.5	14.1

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	96.7 PK			2.30 H	246	92.4	4.3
2	*5300.00	87.0 AV			2.30 H	246	82.7	4.3
3	10600.00	49.5 PK	74.0	-24.5	1.08 H	36	35.7	13.8
4	10600.00	36.8 AV	54.0	-17.2	1.08 H	36	23.0	13.8
5	15900.00	48.6 PK	74.0	-25.4	1.08 H	20	35.4	13.2
6	15900.00	36.0 AV	54.0	-18.0	1.08 H	20	22.8	13.2

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	*5300.00	109.3 PK			2.43 V	241	105.0	4.3
2	*5300.00	99.7 AV			2.43 V	241	95.4	4.3
3	10600.00	50.5 PK	74.0	-23.5	1.50 V	212	36.7	13.8
4	10600.00	37.4 AV	54.0	-16.6	1.50 V	212	23.6	13.8
5	15900.00	55.7 PK	74.0	-18.3	2.93 V	332	42.5	13.2
6	15900.00	42.2 AV	54.0	-11.8	2.93 V	332	29.0	13.2

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	96.7 PK			2.28 H	249	92.4	4.3
2	*5320.00	86.9 AV			2.28 H	249	82.6	4.3
3	5350.00	59.2 PK	74.0	-14.8	2.28 H	249	54.8	4.4
4	5350.00	42.4 AV	54.0	-11.6	2.28 H	249	38.0	4.4
5	10640.00	49.3 PK	74.0	-24.7	1.05 H	49	35.3	14.0
6	10640.00	36.9 AV	54.0	-17.1	1.05 H	49	22.9	14.0
7	15960.00	48.6 PK	74.0	-25.4	1.11 H	30	35.1	13.5
8	15960.00	35.8 AV	54.0	-18.2	1.11 H	30	22.3	13.5

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	109.3 PK			2.41 V	259	105.0	4.3
2	*5320.00	99.6 AV			2.41 V	259	95.3	4.3
3	5350.00	71.5 PK	74.0	-2.5	2.41 V	259	67.1	4.4
4	5350.00	53.7 AV	54.0	-0.3	2.41 V	259	49.3	4.4
5	10640.00	50.4 PK	74.0	-23.6	1.46 V	224	36.4	14.0
6	10640.00	37.5 AV	54.0	-16.5	1.46 V	224	23.5	14.0
7	15960.00	55.5 PK	74.0	-18.5	2.90 V	324	42.0	13.5
8	15960.00	42.2 AV	54.0	-11.8	2.90 V	324	28.7	13.5

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	56.8 PK	74.0	-17.2	2.24 H	256	52.3	4.5
2	#5470.00	42.2 AV	54.0	-11.8	2.24 H	256	37.7	4.5
3	*5500.00	95.0 PK			2.24 H	256	90.5	4.5
4	*5500.00	85.2 AV			2.24 H	256	80.7	4.5
5	11000.00	49.4 PK	74.0	-24.6	1.09 H	50	34.6	14.8
6	11000.00	37.0 AV	54.0	-17.0	1.09 H	50	22.2	14.8
7	#16500.00	48.8 PK	74.0	-25.2	1.05 H	12	33.2	15.6
8	#16500.00	36.2 AV	54.0	-17.8	1.05 H	12	20.6	15.6

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	69.1 PK	74.0	-4.9	2.41 V	229	64.6	4.5
2	#5470.00	53.5 AV	54.0	-0.5	2.41 V	229	49.0	4.5
3	*5500.00	107.6 PK			2.41 V	229	103.1	4.5
4	*5500.00	97.9 AV			2.41 V	229	93.4	4.5
5	11000.00	50.5 PK	74.0	-23.5	1.46 V	239	35.7	14.8
6	11000.00	37.4 AV	54.0	-16.6	1.46 V	239	22.6	14.8
7	#16500.00	55.6 PK	74.0	-18.4	2.88 V	319	40.0	15.6
8	#16500.00	42.1 AV	54.0	-11.9	2.88 V	319	26.5	15.6

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	95.2 PK			2.25 H	241	90.6	4.6
2	*5580.00	85.3 AV			2.25 H	241	80.7	4.6
3	11160.00	49.6 PK	74.0	-24.4	1.04 H	46	35.2	14.4
4	11160.00	36.6 AV	54.0	-17.4	1.04 H	46	22.2	14.4
5	#16740.00	48.2 PK	74.0	-25.8	1.04 H	35	31.7	16.5
6	#16740.00	35.6 AV	54.0	-18.4	1.04 H	35	19.1	16.5

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	107.8 PK			2.41 V	229	103.2	4.6
2	*5580.00	98.0 AV			2.41 V	229	93.4	4.6
3	11160.00	56.1 PK	74.0	-17.9	1.40 V	190	41.7	14.4
4	11160.00	42.8 AV	54.0	-11.2	1.40 V	190	28.4	14.4
5	#16740.00	61.8 PK	74.0	-12.2	2.93 V	324	45.3	16.5
6	#16740.00	46.4 AV	54.0	-7.6	2.93 V	324	29.9	16.5

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	93.1 PK			2.18 H	260	88.3	4.8
2	*5700.00	82.7 AV			2.18 H	260	77.9	4.8
3	#5725.00	55.7 PK	74.0	-18.3	2.18 H	260	50.8	4.9
4	#5725.00	41.2 AV	54.0	-12.8	2.18 H	260	36.3	4.9
5	11400.00	49.2 PK	74.0	-24.8	1.03 H	29	34.8	14.4
6	11400.00	36.6 AV	54.0	-17.4	1.03 H	29	22.2	14.4
7	#17100.00	48.4 PK	74.0	-25.6	1.11 H	33	29.9	18.5
8	#17100.00	35.6 AV	54.0	-18.4	1.11 H	33	17.1	18.5

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	105.7 PK			2.41 V	231	100.9	4.8
2	*5700.00	95.4 AV			2.41 V	231	90.6	4.8
3	#5725.00	68.0 PK	74.0	-6.0	2.41 V	231	63.1	4.9
4	#5725.00	52.5 AV	54.0	-1.5	2.41 V	231	47.6	4.9
5	11400.00	56.0 PK	74.0	-18.0	1.44 V	193	41.6	14.4
6	11400.00	42.9 AV	54.0	-11.1	1.44 V	193	28.5	14.4
7	#17100.00	61.9 PK	74.0	-12.1	2.98 V	322	43.4	18.5
8	#17100.00	46.6 AV	54.0	-7.4	2.98 V	322	28.1	18.5

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) – Pre-Amplifier 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 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5601.30	50.7 PK	68.2	-17.5	2.28 H	260	46.1	4.6
2	*5745.00	99.1 PK			2.28 H	260	94.1	5.0
3	*5745.00	88.8 AV			2.28 H	260	83.8	5.0
4	#5989.37	51.9 PK	68.2	-16.3	2.28 H	260	46.3	5.6
5	11490.00	49.2 PK	74.0	-24.8	1.11 H	33	35.1	14.1
6	11490.00	36.5 AV	54.0	-17.5	1.11 H	33	22.4	14.1
7	#17235.00	48.1 PK	74.0	-25.9	1.05 H	31	29.8	18.3
8	#17235.00	35.5 AV	54.0	-18.5	1.05 H	31	17.2	18.3

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	#5650.23	52.4 PK	68.4	-16.0	2.47 V	356	47.7	4.7
2	*5745.00	110.1 PK			2.47 V	356	105.1	5.0
3	*5745.00	100.0 AV			2.47 V	356	95.0	5.0
4	#5958.02	51.5 PK	68.2	-16.7	2.47 V	356	46.0	5.5
5	11490.00	56.3 PK	74.0	-17.7	1.35 V	194	42.2	14.1
6	11490.00	43.1 AV	54.0	-10.9	1.35 V	194	29.0	14.1
7	#17235.00	61.6 PK	74.0	-12.4	2.89 V	318	43.3	18.3
8	#17235.00	46.3 AV	54.0	-7.7	2.89 V	318	28.0	18.3

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) – Pre-Amplifier 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 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5597.50	51.2 PK	68.2	-17.0	2.17 H	267	46.6	4.6
2	*5785.00	97.9 PK			2.17 H	267	92.9	5.0
3	*5785.00	87.7 AV			2.17 H	267	82.7	5.0
4	#6006.00	51.9 PK	68.2	-16.3	2.17 H	267	46.2	5.7
5	11570.00	49.6 PK	74.0	-24.4	1.09 H	26	35.6	14.0
6	11570.00	37.1 AV	54.0	-16.9	1.09 H	26	23.1	14.0
7	#17355.00	48.9 PK	74.0	-25.1	1.09 H	23	30.0	18.9
8	#17355.00	36.5 AV	54.0	-17.5	1.09 H	23	17.6	18.9

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	#5628.85	52.2 PK	68.2	-16.0	2.47 V	346	47.4	4.8
2	*5785.00	109.0 PK			2.47 V	346	104.0	5.0
3	*5785.00	99.0 AV			2.47 V	346	94.0	5.0
4	#6007.90	51.3 PK	68.2	-16.9	2.47 V	346	45.6	5.7
5	11570.00	55.9 PK	74.0	-18.1	1.25 V	63	41.9	14.0
6	11570.00	42.5 AV	54.0	-11.5	1.25 V	63	28.5	14.0
7	#17355.00	62.5 PK	74.0	-11.5	1.98 V	329	43.6	18.9
8	#17355.00	48.4 AV	54.0	-5.6	1.98 V	329	29.5	18.9

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) – Pre-Amplifier 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 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5613.18	51.1 PK	68.2	-17.1	2.17 H	268	46.4	4.7
2	*5825.00	97.7 PK			2.17 H	268	92.5	5.2
3	*5825.00	87.5 AV			2.17 H	268	82.3	5.2
4	#5954.70	51.8 PK	68.2	-16.4	3.17 H	268	46.4	5.4
5	11650.00	49.5 PK	74.0	-24.5	1.10 H	31	35.4	14.1
6	11650.00	36.8 AV	54.0	-17.2	1.10 H	31	22.7	14.1
7	#17475.00	48.9 PK	74.0	-25.1	1.13 H	36	29.2	19.7
8	#17475.00	36.7 AV	54.0	-17.3	1.13 H	36	17.0	19.7

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	#5598.45	51.4 PK	68.2	-16.8	2.32 V	346	46.8	4.6
2	*5825.00	108.8 PK			2.32 V	346	103.6	5.2
3	*5825.00	98.8 AV			2.32 V	346	93.6	5.2
4	#5993.18	52.3 PK	68.2	-15.9	2.32 V	346	46.7	5.6
5	11650.00	55.2 PK	74.0	-18.8	1.29 V	48	41.1	14.1
6	11650.00	42.1 AV	54.0	-11.9	1.29 V	48	28.0	14.1
7	#17475.00	62.8 PK	74.0	-11.2	1.96 V	323	43.1	19.7
8	#17475.00	48.8 AV	54.0	-5.2	1.96 V	323	29.1	19.7

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) – Pre-Amplifier 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 (HT20)

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

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	56.0 PK	74.0	-18.0	2.18 H	271	52.0	4.0
2	5150.00	41.7 AV	54.0	-12.3	2.18 H	271	37.7	4.0
3	*5180.00	94.7 PK			2.18 H	271	90.7	4.0
4	*5180.00	84.3 AV			2.18 H	271	80.3	4.0
5	#10360.00	48.9 PK	74.0	-25.1	1.14 H	34	35.3	13.6
6	#10360.00	36.4 AV	54.0	-17.6	1.14 H	34	22.8	13.6
7	15540.00	48.5 PK	74.0	-25.5	1.10 H	34	35.3	13.2
8	15540.00	36.6 AV	54.0	-17.4	1.10 H	34	23.4	13.2

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	68.3 PK	74.0	-5.7	2.32 V	298	64.3	4.0
2	5150.00	53.0 AV	54.0	-1.0	2.32 V	298	49.0	4.0
3	*5180.00	107.3 PK			2.32 V	298	103.3	4.0
4	*5180.00	97.0 AV			2.32 V	298	93.0	4.0
5	#10360.00	50.8 PK	74.0	-23.2	1.46 V	199	37.2	13.6
6	#10360.00	37.7 AV	54.0	-16.3	1.46 V	199	24.1	13.6
7	15540.00	55.2 PK	74.0	-18.8	2.97 V	317	42.0	13.2
8	15540.00	42.0 AV	54.0	-12.0	2.97 V	317	28.8	13.2

REMARKS:

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

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

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	96.8 PK			2.15 H	283	92.8	4.0
2	*5200.00	86.5 AV			2.15 H	283	82.5	4.0
3	#10400.00	49.8 PK	74.0	-24.2	1.07 H	24	36.2	13.6
4	#10400.00	37.2 AV	54.0	-16.8	1.07 H	24	23.6	13.6
5	15600.00	48.7 PK	74.0	-25.3	1.13 H	48	35.3	13.4
6	15600.00	36.6 AV	54.0	-17.4	1.13 H	48	23.2	13.4

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	*5200.00	109.4 PK			2.36 V	240	105.4	4.0
2	*5200.00	99.2 AV			2.36 V	240	95.2	4.0
3	#10400.00	51.0 PK	74.0	-23.0	1.54 V	208	37.4	13.6
4	#10400.00	37.7 AV	54.0	-16.3	1.54 V	208	24.1	13.6
5	15600.00	56.0 PK	74.0	-18.0	2.89 V	327	42.6	13.4
6	15600.00	42.3 AV	54.0	-11.7	2.89 V	327	28.9	13.4

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	95.9 PK			2.16 H	285	91.7	4.2
2	*5240.00	85.6 AV			2.16 H	285	81.4	4.2
3	5350.00	50.6 PK	74.0	-23.4	2.16 H	285	46.2	4.4
4	5350.00	37.4 AV	54.0	-16.6	2.16 H	285	33.0	4.4
5	#10480.00	49.0 PK	74.0	-25.0	1.13 H	34	35.3	13.7
6	#10480.00	36.6 AV	54.0	-17.4	1.13 H	34	22.9	13.7
7	15720.00	48.9 PK	74.0	-25.1	1.07 H	35	34.9	14.0
8	15720.00	36.5 AV	54.0	-17.5	1.07 H	35	22.5	14.0

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	*5240.00	108.5 PK			2.36 V	240	104.3	4.2
2	*5240.00	98.3 AV			2.36 V	240	94.1	4.2
3	5350.00	50.9 PK	74.0	-23.1	2.36 V	240	46.5	4.4
4	5350.00	37.8 AV	54.0	-16.2	2.36 V	240	33.4	4.4
5	#10480.00	51.0 PK	74.0	-23.0	1.45 V	203	37.3	13.7
6	#10480.00	37.8 AV	54.0	-16.2	1.45 V	203	24.1	13.7
7	15720.00	55.6 PK	74.0	-18.4	2.95 V	334	41.6	14.0
8	15720.00	42.1 AV	54.0	-11.9	2.95 V	334	28.1	14.0

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	50.4 PK	74.0	-23.6	2.15 H	278	46.4	4.0
2	5150.00	37.5 AV	54.0	-16.5	2.15 H	278	33.5	4.0
3	*5260.00	96.8 PK			2.15 H	278	92.6	4.2
4	*5260.00	86.6 AV			2.15 H	278	82.4	4.2
5	#10520.00	49.3 PK	74.0	-24.7	1.09 H	16	35.5	13.8
6	#10520.00	36.4 AV	54.0	-17.6	1.09 H	16	22.6	13.8
7	15780.00	48.9 PK	74.0	-25.1	1.10 H	49	34.8	14.1
8	15780.00	36.8 AV	54.0	-17.2	1.10 H	49	22.7	14.1

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	50.6 PK	74.0	-23.4	2.36 V	240	46.6	4.0
2	5150.00	37.6 AV	54.0	-16.4	2.36 V	240	33.6	4.0
3	*5260.00	109.4 PK			2.36 V	240	105.2	4.2
4	*5260.00	99.3 AV			2.36 V	240	95.1	4.2
5	#10520.00	50.7 PK	74.0	-23.3	1.42 V	205	36.9	13.8
6	#10520.00	37.5 AV	54.0	-16.5	1.42 V	205	23.7	13.8
7	15780.00	54.9 PK	74.0	-19.1	2.92 V	332	40.8	14.1
8	15780.00	41.7 AV	54.0	-12.3	2.92 V	332	27.6	14.1

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	97.1 PK			2.11 H	266	92.8	4.3
2	*5300.00	86.7 AV			2.11 H	266	82.4	4.3
3	10600.00	49.7 PK	74.0	-24.3	1.05 H	44	35.9	13.8
4	10600.00	36.8 AV	54.0	-17.2	1.05 H	44	23.0	13.8
5	15900.00	49.0 PK	74.0	-25.0	1.11 H	23	35.8	13.2
6	15900.00	36.9 AV	54.0	-17.1	1.11 H	23	23.7	13.2

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	*5300.00	109.7 PK			2.42 V	240	105.4	4.3
2	*5300.00	99.4 AV			2.42 V	240	95.1	4.3
3	10600.00	51.1 PK	74.0	-22.9	1.41 V	210	37.3	13.8
4	10600.00	38.0 AV	54.0	-16.0	1.41 V	210	24.2	13.8
5	15900.00	55.4 PK	74.0	-18.6	2.93 V	328	42.2	13.2
6	15900.00	41.8 AV	54.0	-12.2	2.93 V	328	28.6	13.2

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	97.5 PK			2.17 H	270	93.2	4.3
2	*5320.00	87.0 AV			2.17 H	270	82.7	4.3
3	5350.00	60.3 PK	74.0	-13.7	2.17 H	270	55.9	4.4
4	5350.00	42.3 AV	54.0	-11.7	2.17 H	270	37.9	4.4
5	10640.00	49.5 PK	74.0	-24.5	1.06 H	21	35.5	14.0
6	10640.00	36.9 AV	54.0	-17.1	1.06 H	21	22.9	14.0
7	15960.00	49.2 PK	74.0	-24.8	1.11 H	24	35.7	13.5
8	15960.00	37.1 AV	54.0	-16.9	1.11 H	24	23.6	13.5

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	110.2 PK			2.27 V	260	105.9	4.3
2	*5320.00	99.6 AV			2.27 V	260	95.3	4.3
3	5350.00	72.6 PK	74.0	-1.4	2.27 V	260	68.2	4.4
4	5350.00	53.6 AV	54.0	-0.4	2.27 V	260	49.2	4.4
5	10640.00	51.2 PK	74.0	-22.8	1.39 V	199	37.2	14.0
6	10640.00	37.9 AV	54.0	-16.1	1.39 V	199	23.9	14.0
7	15960.00	55.8 PK	74.0	-18.2	2.90 V	344	42.3	13.5
8	15960.00	42.2 AV	54.0	-11.8	2.90 V	344	28.7	13.5

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	57.6 PK	74.0	-16.4	2.15 H	268	53.1	4.5
2	#5470.00	42.3 AV	54.0	-11.7	2.15 H	268	37.8	4.5
3	*5500.00	94.9 PK			2.15 H	268	90.4	4.5
4	*5500.00	84.4 AV			2.15 H	268	79.9	4.5
5	11000.00	49.2 PK	74.0	-24.8	1.11 H	18	34.4	14.8
6	11000.00	36.7 AV	54.0	-17.3	1.11 H	18	21.9	14.8
7	#16500.00	48.4 PK	74.0	-25.6	1.15 H	44	32.8	15.6
8	#16500.00	36.3 AV	54.0	-17.7	1.15 H	44	20.7	15.6

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	69.9 PK	74.0	-4.1	2.27 V	239	65.4	4.5
2	#5470.00	53.6 AV	54.0	-0.4	2.27 V	239	49.1	4.5
3	*5500.00	107.5 PK			2.27 V	239	103.0	4.5
4	*5500.00	97.1 AV			2.27 V	239	92.6	4.5
5	11000.00	51.3 PK	74.0	-22.7	1.49 V	217	36.5	14.8
6	11000.00	38.0 AV	54.0	-16.0	1.49 V	217	23.2	14.8
7	#16500.00	56.1 PK	74.0	-17.9	2.90 V	336	40.5	15.6
8	#16500.00	42.5 AV	54.0	-11.5	2.90 V	336	26.9	15.6

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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			2.10 H	279	91.1	4.6
2	*5580.00	85.7 AV			2.10 H	279	81.1	4.6
3	11160.00	49.3 PK	74.0	-24.7	1.13 H	21	34.9	14.4
4	11160.00	36.9 AV	54.0	-17.1	1.13 H	21	22.5	14.4
5	#16740.00	49.4 PK	74.0	-24.6	1.11 H	46	32.9	16.5
6	#16740.00	37.1 AV	54.0	-16.9	1.11 H	46	20.6	16.5

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	108.3 PK			2.14 V	238	103.7	4.6
2	*5580.00	98.4 AV			2.14 V	238	93.8	4.6
3	11160.00	51.3 PK	74.0	-22.7	1.42 V	205	36.9	14.4
4	11160.00	37.9 AV	54.0	-16.1	1.42 V	205	23.5	14.4
5	#16740.00	55.8 PK	74.0	-18.2	2.92 V	340	39.3	16.5
6	#16740.00	42.5 AV	54.0	-11.5	2.92 V	340	26.0	16.5

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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			2.13 H	272	89.5	4.8
2	*5700.00	83.9 AV			2.13 H	272	79.1	4.8
3	#5725.00	56.7 PK	74.0	-17.3	2.13 H	272	51.8	4.9
4	#5725.00	42.6 AV	54.0	-11.4	2.13 H	272	37.7	4.9
5	11400.00	50.2 PK	74.0	-23.8	1.14 H	39	35.8	14.4
6	11400.00	37.2 AV	54.0	-16.8	1.14 H	39	22.8	14.4
7	#17100.00	49.4 PK	74.0	-24.6	1.17 H	41	30.9	18.5
8	#17100.00	37.0 AV	54.0	-17.0	1.17 H	41	18.5	18.5

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	107.0 PK			2.14 V	289	102.2	4.8
2	*5700.00	96.6 AV			2.14 V	289	91.8	4.8
3	#5725.00	69.0 PK	74.0	-5.0	2.14 V	289	64.1	4.9
4	#5725.00	53.9 AV	54.0	-0.1	2.14 V	289	49.0	4.9
5	11400.00	51.3 PK	74.0	-22.7	1.43 V	215	36.9	14.4
6	11400.00	38.3 AV	54.0	-15.7	1.43 V	215	23.9	14.4
7	#17100.00	56.0 PK	74.0	-18.0	3.00 V	320	37.5	18.5
8	#17100.00	42.2 AV	54.0	-11.8	3.00 V	320	23.7	18.5

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) – Pre-Amplifier 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 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5647.37	51.1 PK	68.2	-17.1	2.20 H	267	46.3	4.8
2	*5745.00	98.5 PK			2.20 H	267	93.5	5.0
3	*5745.00	88.2 AV			2.20 H	267	83.2	5.0
4	#5971.32	51.5 PK	68.2	-16.7	2.20 H	267	46.0	5.5
5	11490.00	49.6 PK	74.0	-24.4	1.15 H	31	35.5	14.1
6	11490.00	36.8 AV	54.0	-17.2	1.15 H	31	22.7	14.1
7	#17235.00	49.4 PK	74.0	-24.6	1.09 H	42	31.1	18.3
8	#17235.00	37.1 AV	54.0	-16.9	1.09 H	42	18.8	18.3

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	#5651.18	54.6 PK	69.1	-14.5	2.14 V	289	49.9	4.7
2	*5745.00	109.7 PK			2.14 V	289	104.7	5.0
3	*5745.00	99.3 AV			2.14 V	289	94.3	5.0
4	#5997.45	52.6 PK	68.2	-15.6	2.14 V	289	47.0	5.6
5	11490.00	51.1 PK	74.0	-22.9	1.43 V	219	37.0	14.1
6	11490.00	37.8 AV	54.0	-16.2	1.43 V	219	23.7	14.1
7	#17235.00	55.3 PK	74.0	-18.7	2.97 V	335	37.0	18.3
8	#17235.00	42.1 AV	54.0	-11.9	2.97 V	335	23.8	18.3

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) – Pre-Amplifier 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 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5607.00	51.6 PK	68.2	-16.6	2.15 H	260	46.9	4.7
2	*5785.00	98.0 PK			2.15 H	260	93.0	5.0
3	*5785.00	87.6 AV			2.15 H	260	82.6	5.0
4	#6018.82	51.7 PK	68.2	-16.5	2.15 H	260	46.0	5.7
5	11570.00	49.3 PK	74.0	-24.7	1.08 H	19	35.3	14.0
6	11570.00	36.6 AV	54.0	-17.4	1.08 H	19	22.6	14.0
7	#17355.00	49.1 PK	74.0	-24.9	1.14 H	39	30.2	18.9
8	#17355.00	37.0 AV	54.0	-17.0	1.14 H	39	18.1	18.9

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	#5582.30	52.1 PK	68.2	-16.1	2.15 V	277	47.5	4.6
2	*5785.00	109.2 PK			2.15 V	277	104.2	5.0
3	*5785.00	98.7 AV			2.15 V	277	93.7	5.0
4	#5992.70	52.5 PK	68.2	-15.7	2.15 V	277	46.9	5.6
5	11570.00	50.8 PK	74.0	-23.2	1.47 V	193	36.8	14.0
6	11570.00	37.7 AV	54.0	-16.3	1.47 V	193	23.7	14.0
7	#17355.00	55.6 PK	74.0	-18.4	2.94 V	337	36.7	18.9
8	#17355.00	42.4 AV	54.0	-11.6	2.94 V	337	23.5	18.9

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) – Pre-Amplifier 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 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5612.23	50.6 PK	68.2	-17.6	1.54 H	29	45.9	4.7
2	*5825.00	96.7 PK			1.54 H	29	91.5	5.2
3	*5825.00	86.1 AV			1.54 H	29	80.9	5.2
4	#5955.65	52.1 PK	68.2	-16.1	1.54 H	29	46.6	5.5
5	11650.00	49.7 PK	74.0	-24.3	1.06 H	46	35.6	14.1
6	11650.00	36.9 AV	54.0	-17.1	1.06 H	46	22.8	14.1
7	#17475.00	48.3 PK	74.0	-25.7	1.19 H	46	28.6	19.7
8	#17475.00	36.3 AV	54.0	-17.7	1.19 H	46	16.6	19.7

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	#5595.60	51.5 PK	68.2	-16.7	2.15 V	288	46.9	4.6
2	*5825.00	109.0 PK			2.15 V	288	103.8	5.2
3	*5825.00	98.4 AV			2.15 V	288	93.2	5.2
4	#5981.30	52.8 PK	68.2	-15.4	2.15 V	288	47.2	5.6
5	11650.00	50.3 PK	74.0	-23.7	1.43 V	189	36.2	14.1
6	11650.00	37.3 AV	54.0	-16.7	1.43 V	189	23.2	14.1
7	#17475.00	55.7 PK	74.0	-18.3	2.93 V	336	36.0	19.7
8	#17475.00	41.9 AV	54.0	-12.1	2.93 V	336	22.2	19.7

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) – Pre-Amplifier 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 (HT40)

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

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	57.1 PK	74.0	-16.9	1.56 H	18	53.1	4.0
2	5150.00	42.6 AV	54.0	-11.4	1.56 H	18	38.6	4.0
3	*5190.00	90.6 PK			1.56 H	18	86.6	4.0
4	*5190.00	81.6 AV			1.56 H	18	77.6	4.0
5	5350.00	50.6 PK	74.0	-23.4	1.56 H	18	46.2	4.4
6	5350.00	37.5 AV	54.0	-16.5	1.56 H	18	33.1	4.4
7	#10380.00	49.2 PK	74.0	-24.8	1.07 H	34	35.6	13.6
8	#10380.00	36.6 AV	54.0	-17.4	1.07 H	34	23.0	13.6
9	15570.00	49.0 PK	74.0	-25.0	1.09 H	36	35.7	13.3
10	15570.00	36.9 AV	54.0	-17.1	1.09 H	36	23.6	13.3

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	5150.00	69.4 PK	74.0	-4.6	2.13 V	285	65.4	4.0
2	5150.00	53.9 AV	54.0	-0.1	2.13 V	285	49.9	4.0
3	*5190.00	103.2 PK			2.13 V	285	99.2	4.0
4	*5190.00	94.3 AV			2.13 V	285	90.3	4.0
5	5350.00	50.9 PK	74.0	-23.1	2.13 V	285	46.5	4.4
6	5350.00	38.8 AV	54.0	-15.2	2.13 V	285	34.4	4.4
7	#10380.00	50.5 PK	74.0	-23.5	1.42 V	187	36.9	13.6
8	#10380.00	37.4 AV	54.0	-16.6	1.42 V	187	23.8	13.6
9	15570.00	55.8 PK	74.0	-18.2	2.89 V	322	42.5	13.3
10	15570.00	42.2 AV	54.0	-11.8	2.89 V	322	28.9	13.3

REMARKS:

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

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

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	50.4 PK	74.0	-23.6	1.52 H	18	46.4	4.0
2	5150.00	38.2 AV	54.0	-15.8	1.52 H	18	34.2	4.0
3	*5230.00	93.6 PK			1.52 H	18	89.4	4.2
4	*5230.00	84.5 AV			1.52 H	18	80.3	4.2
5	5350.00	50.7 PK	74.0	-23.3	1.52 H	18	46.3	4.4
6	5350.00	37.5 AV	54.0	-16.5	1.52 H	18	33.1	4.4
7	#10460.00	50.2 PK	74.0	-23.8	1.11 H	28	36.5	13.7
8	#10460.00	37.2 AV	54.0	-16.8	1.11 H	28	23.5	13.7
9	15690.00	49.1 PK	74.0	-24.9	1.07 H	45	35.1	14.0
10	15690.00	37.1 AV	54.0	-16.9	1.07 H	45	23.1	14.0

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	5150.00	62.2 PK	74.0	-11.8	2.15 V	285	58.2	4.0
2	5150.00	49.5 AV	54.0	-4.5	2.15 V	285	45.5	4.0
3	*5230.00	106.2 PK			2.15 V	285	102.0	4.2
4	*5230.00	97.2 AV			2.15 V	285	93.0	4.2
5	5350.00	53.5 PK	74.0	-20.5	2.15 V	285	49.1	4.4
6	5350.00	40.6 AV	54.0	-13.4	2.15 V	285	36.2	4.4
7	#10460.00	50.6 PK	74.0	-23.4	1.45 V	200	36.9	13.7
8	#10460.00	37.3 AV	54.0	-16.7	1.45 V	200	23.6	13.7
9	15690.00	55.4 PK	74.0	-18.6	2.89 V	334	41.4	14.0
10	15690.00	41.9 AV	54.0	-12.1	2.89 V	334	27.9	14.0

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	50.4 PK	74.0	-23.6	1.52 H	18	46.4	4.0
2	5150.00	37.6 AV	54.0	-16.4	1.52 H	18	33.6	4.0
3	*5270.00	93.9 PK			1.52 H	18	89.7	4.2
4	*5270.00	84.8 AV			1.52 H	18	80.6	4.2
5	#10540.00	49.1 PK	74.0	-24.9	1.11 H	18	35.4	13.7
6	#10540.00	36.7 AV	54.0	-17.3	1.11 H	18	23.0	13.7
7	15810.00	48.6 PK	74.0	-25.4	1.14 H	38	34.6	14.0
8	15810.00	36.4 AV	54.0	-17.6	1.14 H	38	22.4	14.0

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	5150.00	51.6 PK	74.0	-22.4	2.15 V	276	47.6	4.0
2	5150.00	40.2 AV	54.0	-13.8	2.15 V	276	36.2	4.0
3	*5270.00	106.5 PK			2.15 V	276	102.3	4.2
4	*5270.00	97.5 AV			2.15 V	276	93.3	4.2
5	#10540.00	51.2 PK	74.0	-22.8	1.41 V	201	37.5	13.7
6	#10540.00	38.3 AV	54.0	-15.7	1.41 V	201	24.6	13.7
7	15810.00	55.3 PK	74.0	-18.7	3.01 V	332	41.3	14.0
8	15810.00	41.8 AV	54.0	-12.2	3.01 V	332	27.8	14.0

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	91.8 PK			1.58 H	24	87.5	4.3
2	*5310.00	82.5 AV			1.58 H	24	78.2	4.3
3	5350.00	58.9 PK	74.0	-15.1	1.58 H	24	54.5	4.4
4	5350.00	42.4 AV	54.0	-11.6	1.58 H	24	38.0	4.4
5	10620.00	49.5 PK	74.0	-24.5	1.08 H	31	35.6	13.9
6	10620.00	36.9 AV	54.0	-17.1	1.08 H	31	23.0	13.9
7	15930.00	48.9 PK	74.0	-25.1	1.19 H	35	35.6	13.3
8	15930.00	36.8 AV	54.0	-17.2	1.19 H	35	23.5	13.3

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	*5310.00	104.4 PK			2.15 V	275	100.1	4.3
2	*5310.00	95.2 AV			2.15 V	275	90.9	4.3
3	5350.00	71.2 PK	74.0	-2.8	2.15 V	275	66.8	4.4
4	5350.00	53.7 AV	54.0	-0.3	2.15 V	275	49.3	4.4
5	10620.00	51.1 PK	74.0	-22.9	1.49 V	216	37.2	13.9
6	10620.00	38.2 AV	54.0	-15.8	1.49 V	216	24.3	13.9
7	15930.00	56.0 PK	74.0	-18.0	2.89 V	320	42.7	13.3
8	15930.00	42.6 AV	54.0	-11.4	2.89 V	320	29.3	13.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	54.5 PK	74.0	-19.5	1.58 H	21	50.0	4.5
2	#5470.00	40.7 AV	54.0	-13.3	1.58 H	21	36.2	4.5
3	*5510.00	87.4 PK			1.58 H	21	82.8	4.6
4	*5510.00	78.3 AV			1.58 H	21	73.7	4.6
5	11020.00	49.5 PK	74.0	-24.5	1.08 H	47	34.8	14.7
6	11020.00	36.7 AV	54.0	-17.3	1.08 H	47	22.0	14.7
7	#16530.00	49.4 PK	74.0	-24.6	1.19 H	43	33.6	15.8
8	#16530.00	37.0 AV	54.0	-17.0	1.19 H	43	21.2	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	#5470.00	66.8 PK	74.0	-7.2	2.15 V	292	62.3	4.5
2	#5470.00	52.0 AV	54.0	-2.0	2.15 V	292	47.5	4.5
3	*5510.00	100.0 PK			2.15 V	292	95.4	4.6
4	*5510.00	91.0 AV			2.15 V	292	86.4	4.6
5	11020.00	51.4 PK	74.0	-22.6	1.45 V	217	36.7	14.7
6	11020.00	38.2 AV	54.0	-15.8	1.45 V	217	23.5	14.7
7	#16530.00	56.3 PK	74.0	-17.7	2.93 V	321	40.5	15.8
8	#16530.00	42.5 AV	54.0	-11.5	2.93 V	321	26.7	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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	92.9 PK			1.59 H	25	88.4	4.5
2	*5550.00	83.5 AV			1.59 H	25	79.0	4.5
3	11100.00	49.7 PK	74.0	-24.3	1.15 H	25	35.3	14.4
4	11100.00	36.9 AV	54.0	-17.1	1.15 H	25	22.5	14.4
5	#16650.00	49.0 PK	74.0	-25.0	1.10 H	29	32.6	16.4
6	#16650.00	36.6 AV	54.0	-17.4	1.10 H	29	20.2	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	*5550.00	105.5 PK			2.15 V	292	101.0	4.5
2	*5550.00	96.2 AV			2.15 V	292	91.7	4.5
3	11100.00	51.1 PK	74.0	-22.9	1.43 V	197	36.7	14.4
4	11100.00	38.0 AV	54.0	-16.0	1.43 V	197	23.6	14.4
5	#16650.00	55.6 PK	74.0	-18.4	2.95 V	341	39.2	16.4
6	#16650.00	42.4 AV	54.0	-11.6	2.95 V	341	26.0	16.4

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	91.8 PK			1.61 H	13	87.0	4.8
2	*5670.00	82.6 AV			1.61 H	13	77.8	4.8
3	#5725.00	53.5 PK	74.0	-20.5	1.61 H	13	48.6	4.9
4	#5725.00	40.6 AV	54.0	-13.4	1.61 H	13	35.7	4.9
5	11340.00	49.5 PK	74.0	-24.5	1.04 H	18	35.1	14.4
6	11340.00	37.0 AV	54.0	-17.0	1.04 H	18	22.6	14.4
7	#17010.00	48.3 PK	74.0	-25.7	1.14 H	34	30.1	18.2
8	#17010.00	36.4 AV	54.0	-17.6	1.14 H	34	18.2	18.2

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	*5670.00	104.4 PK			2.15 V	289	99.6	4.8
2	*5670.00	95.3 AV			2.15 V	289	90.5	4.8
3	#5725.00	65.8 PK	74.0	-8.2	2.15 V	289	60.9	4.9
4	#5725.00	51.9 AV	54.0	-2.1	2.15 V	289	47.0	4.9
5	11340.00	51.0 PK	74.0	-23.0	1.42 V	197	36.6	14.4
6	11340.00	38.0 AV	54.0	-16.0	1.42 V	197	23.6	14.4
7	#17010.00	56.1 PK	74.0	-17.9	2.91 V	334	37.9	18.2
8	#17010.00	42.4 AV	54.0	-11.6	2.91 V	334	24.2	18.2

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) – Pre-Amplifier 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 151	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5562.82	51.6 PK	68.2	-16.6	1.54 H	173	47.0	4.6
2	*5755.00	92.7 PK			1.54 H	173	87.7	5.0
3	*5755.00	83.0 AV			1.54 H	173	78.0	5.0
4	#5987.48	51.6 PK	68.2	-16.6	1.54 H	173	46.0	5.6
5	11510.00	49.3 PK	74.0	-24.7	1.08 H	37	35.3	14.0
6	11510.00	36.4 AV	54.0	-17.6	1.08 H	37	22.4	14.0
7	#17265.00	48.7 PK	74.0	-25.3	1.18 H	39	30.2	18.5
8	#17265.00	36.5 AV	54.0	-17.5	1.18 H	39	18.0	18.5

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	#5652.12	60.8 PK	69.8	-9.0	2.15 V	288	56.1	4.7
2	*5755.00	106.7 PK			2.15 V	288	101.7	5.0
3	*5755.00	97.5 AV			2.15 V	288	92.5	5.0
4	#5927.62	52.1 PK	68.2	-16.1	2.15 V	288	46.7	5.4
5	11510.00	51.2 PK	74.0	-22.8	1.51 V	193	37.2	14.0
6	11510.00	38.1 AV	54.0	-15.9	1.51 V	193	24.1	14.0
7	#17265.00	56.0 PK	74.0	-18.0	3.00 V	335	37.5	18.5
8	#17265.00	42.6 AV	54.0	-11.4	3.00 V	335	24.1	18.5

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) – Pre-Amplifier 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 159	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5599.40	51.3 PK	68.2	-16.9	1.54 H	27	46.7	4.6
2	*5795.00	92.3 PK			1.54 H	27	87.2	5.1
3	*5795.00	82.7 AV			1.54 H	27	77.6	5.1
4	#6025.00	52.2 PK	68.2	-16.0	1.54 H	27	46.6	5.6
5	11590.00	50.2 PK	74.0	-23.8	1.16 H	16	36.2	14.0
6	11590.00	37.3 AV	54.0	-16.7	1.16 H	16	23.3	14.0
7	#17385.00	48.5 PK	74.0	-25.5	1.19 H	50	29.4	19.1
8	#17385.00	36.6 AV	54.0	-17.4	1.19 H	50	17.5	19.1

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	#5652.60	55.4 PK	70.1	-14.7	2.15 V	287	50.7	4.7
2	*5795.00	106.5 PK			2.15 V	288	101.4	5.1
3	*5795.00	97.3 AV			2.15 V	288	92.2	5.1
4	#5998.40	52.3 PK	68.2	-15.9	2.15 V	287	46.7	5.6
5	11590.00	50.9 PK	74.0	-23.1	1.50 V	209	36.9	14.0
6	11590.00	37.9 AV	54.0	-16.1	1.50 V	209	23.9	14.0
7	#17385.00	56.1 PK	74.0	-17.9	3.00 V	336	37.0	19.1
8	#17385.00	42.4 AV	54.0	-11.6	3.00 V	336	23.3	19.1

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) – Pre-Amplifier 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 Data:

802.11a

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

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	149.99	26.3 QP	43.5	-17.2	2.00 H	86	34.5	-8.2
2	300.00	32.5 QP	46.0	-13.5	1.00 H	66	40.1	-7.6
3	350.00	38.9 QP	46.0	-7.1	1.00 H	116	45.4	-6.5
4	450.01	36.0 QP	46.0	-10.0	2.00 H	263	39.6	-3.6
5	500.01	37.3 QP	46.0	-8.7	2.00 H	104	40.1	-2.8
6	600.00	29.2 QP	46.0	-16.8	1.50 H	304	29.6	-0.4

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	50.01	30.6 QP	40.0	-9.4	1.00 V	223	38.7	-8.1
2	250.00	33.2 QP	46.0	-12.8	1.52 V	217	42.6	-9.4
3	350.00	36.3 QP	46.0	-9.7	1.50 V	173	42.9	-6.6
4	400.01	35.4 QP	46.0	-10.6	1.28 V	271	40.6	-5.2
5	500.01	35.8 QP	46.0	-10.2	1.53 V	228	38.6	-2.8
6	901.62	35.2 QP	46.0	-10.8	1.57 V	204	31.2	4.0

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

4.1.8 Test Results (Mode 2)

Above 1GHz Data:

802.11a

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

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	68.0 PK	74.0	-6.0	1.50 H	345	64.0	4.0
2	5150.00	53.8 AV	54.0	-0.2	1.50 H	345	49.8	4.0
3	*5180.00	107.0 PK			1.50 H	345	103.0	4.0
4	*5180.00	97.7 AV			1.50 H	345	93.7	4.0
5	#10360.00	56.1 PK	74.0	-17.9	1.38 H	21	42.5	13.6
6	#10360.00	43.0 AV	54.0	-11.0	1.38 H	21	29.4	13.6
7	15540.00	50.2 PK	74.0	-23.8	3.59 H	323	37.0	13.2
8	15540.00	37.1 AV	54.0	-16.9	3.59 H	323	23.9	13.2

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	64.2 PK	74.0	-9.8	2.99 V	292	60.2	4.0
2	5150.00	50.5 AV	54.0	-3.5	2.99 V	292	46.5	4.0
3	*5180.00	103.4 PK			2.99 V	292	99.4	4.0
4	*5180.00	94.2 AV			2.99 V	292	90.2	4.0
5	#10360.00	53.3 PK	74.0	-20.7	1.36 V	63	39.7	13.6
6	#10360.00	39.2 AV	54.0	-14.8	1.36 V	63	25.6	13.6
7	15540.00	49.7 PK	74.0	-24.3	3.62 V	10	36.5	13.2
8	15540.00	37.0 AV	54.0	-17.0	3.62 V	10	23.8	13.2

REMARKS:

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

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

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	108.3 PK			1.18 H	339	104.3	4.0
2	*5200.00	99.0 AV			1.18 H	339	95.0	4.0
3	#10400.00	55.6 PK	74.0	-18.4	1.35 H	11	42.0	13.6
4	#10400.00	42.6 AV	54.0	-11.4	1.35 H	11	29.0	13.6
5	15600.00	50.2 PK	74.0	-23.8	3.59 H	314	36.8	13.4
6	15600.00	37.0 AV	54.0	-17.0	3.59 H	314	23.6	13.4

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	*5200.00	104.7 PK			3.01 V	298	100.7	4.0
2	*5200.00	95.5 AV			3.01 V	298	91.5	4.0
3	#10400.00	53.1 PK	74.0	-20.9	1.39 V	64	39.5	13.6
4	#10400.00	39.1 AV	54.0	-14.9	1.39 V	64	25.5	13.6
5	15600.00	49.7 PK	74.0	-24.3	3.61 V	0	36.3	13.4
6	15600.00	37.2 AV	54.0	-16.8	3.61 V	0	23.8	13.4

REMARKS:

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

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

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	108.0 PK			1.18 H	341	103.8	4.2
2	*5240.00	97.4 AV			1.18 H	341	93.2	4.2
3	5350.00	51.0 PK	74.0	-23.0	1.18 H	341	46.6	4.4
4	5350.00	38.0 AV	54.0	-16.0	1.18 H	341	33.6	4.4
5	#10480.00	55.8 PK	74.0	-18.2	1.37 H	36	42.1	13.7
6	#10480.00	42.8 AV	54.0	-11.2	1.37 H	36	29.1	13.7
7	15720.00	50.1 PK	74.0	-23.9	3.55 H	339	36.1	14.0
8	15720.00	36.9 AV	54.0	-17.1	3.55 H	339	22.9	14.0

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	*5240.00	104.4 PK			3.03 V	309	100.2	4.2
2	*5240.00	93.9 AV			3.03 V	309	89.7	4.2
3	5350.00	49.5 PK	74.0	-24.5	3.03 V	309	45.1	4.4
4	5350.00	37.4 AV	54.0	-16.6	3.03 V	309	33.0	4.4
5	#10480.00	53.0 PK	74.0	-21.0	1.33 V	56	39.3	13.7
6	#10480.00	39.2 AV	54.0	-14.8	1.33 V	56	25.5	13.7
7	15720.00	50.2 PK	74.0	-23.8	3.56 V	10	36.2	14.0
8	15720.00	37.5 AV	54.0	-16.5	3.56 V	10	23.5	14.0

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	50.8 PK	74.0	-23.2	1.17 H	340	46.8	4.0
2	5150.00	37.2 AV	54.0	-16.8	1.17 H	340	33.2	4.0
3	*5260.00	108.4 PK			1.17 H	340	104.2	4.2
4	*5260.00	98.9 AV			1.17 H	340	94.7	4.2
5	#10520.00	55.9 PK	74.0	-18.1	1.36 H	28	42.1	13.8
6	#10520.00	42.7 AV	54.0	-11.3	1.36 H	28	28.9	13.8
7	15780.00	50.5 PK	74.0	-23.5	3.58 H	309	36.4	14.1
8	15780.00	37.4 AV	54.0	-16.6	3.58 H	309	23.3	14.1

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	49.7 PK	74.0	-24.3	3.01 V	306	45.7	4.0
2	5150.00	37.1 AV	54.0	-16.9	3.01 V	306	33.1	4.0
3	*5260.00	104.8 PK			3.01 V	306	100.6	4.2
4	*5260.00	95.4 AV			3.01 V	306	91.2	4.2
5	#10520.00	52.8 PK	74.0	-21.2	1.27 V	61	39.0	13.8
6	#10520.00	39.2 AV	54.0	-14.8	1.27 V	61	25.4	13.8
7	15780.00	50.2 PK	74.0	-23.8	3.55 V	17	36.1	14.1
8	15780.00	37.4 AV	54.0	-16.6	3.55 V	17	23.3	14.1

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	108.4 PK			1.17 H	340	104.1	4.3
2	*5300.00	98.8 AV			1.17 H	340	94.5	4.3
3	5350.00	58.7 PK	74.0	-15.3	1.17 H	340	54.3	4.4
4	5350.00	43.6 AV	54.0	-10.4	1.17 H	340	39.2	4.4
5	10600.00	56.3 PK	74.0	-17.7	1.41 H	8	42.5	13.8
6	10600.00	43.5 AV	54.0	-10.5	1.41 H	8	29.7	13.8
7	15900.00	49.5 PK	74.0	-24.5	3.55 H	320	36.3	13.2
8	15900.00	36.6 AV	54.0	-17.4	3.55 H	320	23.4	13.2

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	*5300.00	104.8 PK			2.99 V	297	100.5	4.3
2	*5300.00	95.3 AV			2.99 V	297	91.0	4.3
3	5350.00	55.6 PK	74.0	-18.4	2.99 V	297	51.2	4.4
4	5350.00	40.5 AV	54.0	-13.5	2.99 V	297	36.1	4.4
5	10600.00	52.7 PK	74.0	-21.3	1.29 V	59	38.9	13.8
6	10600.00	38.9 AV	54.0	-15.1	1.29 V	59	25.1	13.8
7	15900.00	50.0 PK	74.0	-24.0	3.59 V	17	36.8	13.2
8	15900.00	37.2 AV	54.0	-16.8	3.59 V	17	24.0	13.2

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	108.8 PK			1.15 H	340	104.5	4.3
2	*5320.00	99.1 AV			1.15 H	340	94.8	4.3
3	5350.00	69.9 PK	74.0	-4.1	1.15 H	340	65.5	4.4
4	5350.00	52.2 AV	54.0	-1.8	1.15 H	340	47.8	4.4
5	10640.00	56.1 PK	74.0	-17.9	1.36 H	0	42.1	14.0
6	10640.00	43.1 AV	54.0	-10.9	1.36 H	0	29.1	14.0
7	15960.00	56.1 PK	74.0	-17.9	3.52 H	324	42.6	13.5
8	15960.00	41.5 AV	54.0	-12.5	3.52 H	324	28.0	13.5

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	105.2 PK			2.94 V	285	100.9	4.3
2	*5320.00	95.6 AV			2.94 V	285	91.3	4.3
3	5350.00	66.8 PK	74.0	-7.2	2.94 V	285	62.4	4.4
4	5350.00	49.1 AV	54.0	-4.9	2.94 V	285	44.7	4.4
5	10640.00	52.4 PK	74.0	-21.6	1.28 V	72	38.4	14.0
6	10640.00	38.7 AV	54.0	-15.3	1.28 V	72	24.7	14.0
7	15960.00	56.3 PK	74.0	-17.7	3.06 V	338	42.8	13.5
8	15960.00	41.9 AV	54.0	-12.1	3.06 V	338	28.4	13.5

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	69.2 PK	74.0	-4.8	1.15 H	341	64.7	4.5
2	#5470.00	53.6 AV	54.0	-0.4	1.15 H	341	49.1	4.5
3	*5500.00	108.4 PK			1.15 H	341	103.9	4.5
4	*5500.00	98.5 AV			1.15 H	341	94.0	4.5
5	11000.00	56.5 PK	74.0	-17.5	1.35 H	6	41.7	14.8
6	11000.00	43.4 AV	54.0	-10.6	1.35 H	6	28.6	14.8
7	#16500.00	56.7 PK	74.0	-17.3	3.47 H	329	41.1	15.6
8	#16500.00	41.8 AV	54.0	-12.2	3.47 H	329	26.2	15.6

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	66.1 PK	74.0	-7.9	2.93 V	275	61.6	4.5
2	#5470.00	50.5 AV	54.0	-3.5	2.93 V	275	46.0	4.5
3	*5500.00	104.8 PK			2.93 V	275	100.3	4.5
4	*5500.00	95.0 AV			2.93 V	275	90.5	4.5
5	11000.00	52.9 PK	74.0	-21.1	1.24 V	87	38.1	14.8
6	11000.00	39.1 AV	54.0	-14.9	1.24 V	87	24.3	14.8
7	#16500.00	56.3 PK	74.0	-17.7	3.04 V	326	40.7	15.6
8	#16500.00	42.2 AV	54.0	-11.8	3.04 V	326	26.6	15.6

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	110.2 PK			1.13 H	339	105.6	4.6
2	*5580.00	100.4 AV			1.13 H	339	95.8	4.6
3	11160.00	56.5 PK	74.0	-17.5	1.34 H	4	42.1	14.4
4	11160.00	43.5 AV	54.0	-10.5	1.34 H	4	29.1	14.4
5	#16740.00	60.2 PK	74.0	-13.8	3.50 H	323	43.7	16.5
6	#16740.00	45.9 AV	54.0	-8.1	3.50 H	323	29.4	16.5

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			2.97 V	279	102.0	4.6
2	*5580.00	96.9 AV			2.97 V	279	92.3	4.6
3	11160.00	53.1 PK	74.0	-20.9	1.22 V	97	38.7	14.4
4	11160.00	39.2 AV	54.0	-14.8	1.22 V	97	24.8	14.4
5	#16740.00	61.3 PK	74.0	-12.7	2.70 V	333	44.8	16.5
6	#16740.00	46.5 AV	54.0	-7.5	2.70 V	333	30.0	16.5

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	108.4 PK			1.13 H	341	103.6	4.8
2	*5700.00	98.5 AV			1.13 H	341	93.7	4.8
3	#5725.00	71.4 PK	74.0	-2.6	1.13 H	341	66.5	4.9
4	#5725.00	53.9 AV	54.0	-0.1	1.13 H	341	49.0	4.9
5	11400.00	56.6 PK	74.0	-17.4	1.33 H	13	42.2	14.4
6	11400.00	43.4 AV	54.0	-10.6	1.33 H	13	29.0	14.4
7	#17100.00	60.0 PK	74.0	-14.0	3.54 H	311	41.5	18.5
8	#17100.00	45.6 AV	54.0	-8.4	3.54 H	311	27.1	18.5

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	104.8 PK			2.92 V	266	100.0	4.8
2	*5700.00	95.0 AV			2.92 V	266	90.2	4.8
3	#5725.00	68.3 PK	74.0	-5.7	2.92 V	266	63.4	4.9
4	#5725.00	50.7 AV	54.0	-3.3	2.92 V	266	45.8	4.9
5	11400.00	52.7 PK	74.0	-21.3	1.27 V	93	38.3	14.4
6	11400.00	38.9 AV	54.0	-15.1	1.27 V	93	24.5	14.4
7	#17100.00	61.5 PK	74.0	-12.5	2.68 V	335	43.0	18.5
8	#17100.00	46.8 AV	54.0	-7.2	2.68 V	335	28.3	18.5

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) – Pre-Amplifier 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 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5592.27	52.3 PK	68.2	-15.9	1.13 H	340	47.7	4.6
2	*5745.00	112.0 PK			1.13 H	340	107.0	5.0
3	*5745.00	102.0 AV			1.13 H	340	97.0	5.0
4	#5965.62	51.5 PK	68.2	-16.7	1.13 H	340	46.0	5.5
5	11490.00	58.7 PK	74.0	-15.3	1.34 H	21	44.6	14.1
6	11490.00	46.0 AV	54.0	-8.0	1.34 H	21	31.9	14.1
7	#17235.00	60.1 PK	74.0	-13.9	3.59 H	309	41.8	18.3
8	#17235.00	47.7 AV	54.0	-6.3	3.59 H	309	29.4	18.3

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	#5627.50	51.3 PK	68.2	-16.9	3.85 V	90	46.6	4.7
2	*5745.00	107.7 PK			3.85 V	90	102.7	5.0
3	*5745.00	97.8 AV			3.85 V	90	92.8	5.0
4	#5957.01	51.8 PK	68.2	-16.4	3.85 V	90	46.3	5.5
5	11490.00	53.8 PK	74.0	-20.2	1.21 V	101	39.7	14.1
6	11490.00	39.6 AV	54.0	-14.4	1.21 V	101	25.5	14.1
7	#17235.00	61.6 PK	74.0	-12.4	2.70 V	327	43.3	18.3
8	#17235.00	46.5 AV	54.0	-7.5	2.70 V	327	28.2	18.3

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) – Pre-Amplifier 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 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5568.05	52.4 PK	68.2	-15.8	1.13 H	340	47.8	4.6
2	*5785.00	111.2 PK			1.13 H	340	106.2	5.0
3	*5785.00	101.1 AV			1.13 H	340	96.1	5.0
4	#5955.18	52.2 PK	68.2	-16.0	1.13 H	340	46.7	5.5
5	11570.00	59.7 PK	74.0	-14.3	1.38 H	2	45.7	14.0
6	11570.00	46.7 AV	54.0	-7.3	1.38 H	2	32.7	14.0
7	#17355.00	60.7 PK	74.0	-13.3	3.60 H	295	41.8	18.9
8	#17355.00	48.2 AV	54.0	-5.8	3.60 H	295	29.3	18.9

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	#5627.03	51.1 PK	68.2	-17.1	3.85 V	81	46.4	4.7
2	*5785.00	107.5 PK			3.85 V	82	102.5	5.0
3	*5785.00	97.6 AV			3.85 V	82	92.6	5.0
4	#6000.28	51.5 PK	68.2	-16.7	3.85 V	81	45.9	5.6
5	11570.00	52.9 PK	74.0	-21.1	1.27 V	100	38.9	14.0
6	11570.00	39.1 AV	54.0	-14.9	1.27 V	100	25.1	14.0
7	#17355.00	61.4 PK	74.0	-12.6	2.66 V	348	42.5	18.9
8	#17355.00	46.5 AV	54.0	-7.5	2.66 V	348	27.6	18.9

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) – Pre-Amplifier 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 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5618.40	51.2 PK	68.2	-17.0	1.13 H	340	46.5	4.7
2	*5825.00	111.0 PK			1.13 H	340	105.8	5.2
3	*5825.00	100.7 AV			1.13 H	340	95.5	5.2
4	#5987.48	53.2 PK	68.2	-15.0	1.13 H	340	47.6	5.6
5	11650.00	59.3 PK	74.0	-14.7	1.34 H	15	45.2	14.1
6	11650.00	46.4 AV	54.0	-7.6	1.34 H	15	32.3	14.1
7	#17475.00	60.4 PK	74.0	-13.6	3.63 H	310	40.7	19.7
8	#17475.00	47.7 AV	54.0	-6.3	3.63 H	310	28.0	19.7

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	#5642.72	51.8 PK	68.2	-16.4	3.85 V	106	47.0	4.8
2	*5825.00	107.3 PK			3.85 V	106	102.1	5.2
3	*5825.00	97.5 AV			3.85 V	106	92.3	5.2
4	#6018.34	52.0 PK	68.2	-16.2	3.85 V	106	46.3	5.7
5	11650.00	55.9 PK	74.0	-18.1	1.30 V	68	41.8	14.1
6	11650.00	42.5 AV	54.0	-11.5	1.30 V	68	28.4	14.1
7	#17475.00	61.8 PK	74.0	-12.2	2.41 V	316	42.1	19.7
8	#17475.00	48.6 AV	54.0	-5.4	2.41 V	316	28.9	19.7

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) – Pre-Amplifier 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 (HT20)

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

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	63.6 PK	74.0	-10.4	1.24 H	163	59.6	4.0
2	5150.00	53.9 AV	54.0	-0.1	1.24 H	163	49.9	4.0
3	*5180.00	105.3 PK			1.24 H	163	101.3	4.0
4	*5180.00	97.6 AV			1.24 H	163	93.6	4.0
5	#10360.00	56.3 PK	74.0	-17.7	1.34 H	12	42.7	13.6
6	#10360.00	43.3 AV	54.0	-10.7	1.34 H	12	29.7	13.6
7	15540.00	50.4 PK	74.0	-23.6	3.63 H	321	37.2	13.2
8	15540.00	37.5 AV	54.0	-16.5	3.63 H	321	24.3	13.2

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	60.4 PK	74.0	-13.6	2.98 V	303	56.4	4.0
2	5150.00	50.5 AV	54.0	-3.5	2.98 V	303	46.5	4.0
3	*5180.00	101.7 PK			2.98 V	303	97.7	4.0
4	*5180.00	94.1 AV			2.98 V	303	90.1	4.0
5	#10360.00	53.4 PK	74.0	-20.6	1.35 V	59	39.8	13.6
6	#10360.00	39.2 AV	54.0	-14.8	1.35 V	59	25.6	13.6
7	15540.00	49.7 PK	74.0	-24.3	3.66 V	2	36.5	13.2
8	15540.00	36.7 AV	54.0	-17.3	3.66 V	2	23.5	13.2

REMARKS:

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

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

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	56.6 PK	74.0	-17.4	1.23 H	160	52.6	4.0
2	5150.00	45.2 AV	54.0	-8.8	1.23 H	160	41.2	4.0
3	*5200.00	106.3 PK			1.23 H	160	102.3	4.0
4	*5200.00	98.5 AV			1.23 H	160	94.5	4.0
5	5350.00	49.3 PK	74.0	-24.7	1.23 H	160	44.9	4.4
6	5350.00	38.7 AV	54.0	-15.3	1.23 H	160	34.3	4.4
7	#10400.00	56.6 PK	74.0	-17.4	1.36 H	15	43.0	13.6
8	#10400.00	43.4 AV	54.0	-10.6	1.36 H	15	29.8	13.6
9	15600.00	49.9 PK	74.0	-24.1	3.54 H	330	36.5	13.4
10	15600.00	36.6 AV	54.0	-17.4	3.54 H	330	23.2	13.4

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	5150.00	53.5 PK	74.0	-20.5	3.04 V	319	49.5	4.0
2	5150.00	42.1 AV	54.0	-11.9	3.04 V	319	38.1	4.0
3	*5200.00	102.7 PK			3.04 V	319	98.7	4.0
4	*5200.00	95.0 AV			3.04 V	319	91.0	4.0
5	5350.00	47.2 PK	74.0	-26.8	3.04 V	319	42.8	4.4
6	5350.00	37.4 AV	54.0	-16.6	3.04 V	319	33.0	4.4
7	#10400.00	52.9 PK	74.0	-21.1	1.41 V	64	39.3	13.6
8	#10400.00	39.0 AV	54.0	-15.0	1.41 V	64	25.4	13.6
9	15600.00	50.1 PK	74.0	-23.9	3.60 V	5	36.7	13.4
10	15600.00	37.4 AV	54.0	-16.6	3.60 V	5	24.0	13.4

REMARKS:

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

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

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	106.7 PK			1.28 H	158	102.5	4.2
2	*5240.00	98.6 AV			1.28 H	158	94.4	4.2
3	5350.00	48.6 PK	74.0	-25.4	1.28 H	158	44.2	4.4
4	5350.00	38.4 AV	54.0	-15.6	1.28 H	158	34.0	4.4
5	#10480.00	56.2 PK	74.0	-17.8	1.34 H	32	42.5	13.7
6	#10480.00	42.9 AV	54.0	-11.1	1.34 H	32	29.2	13.7
7	15720.00	50.4 PK	74.0	-23.6	3.58 H	338	36.4	14.0
8	15720.00	37.5 AV	54.0	-16.5	3.58 H	338	23.5	14.0

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	*5240.00	103.1 PK			3.06 V	320	98.9	4.2
2	*5240.00	95.1 AV			3.06 V	320	90.9	4.2
3	5350.00	45.5 PK	74.0	-28.5	3.06 V	320	41.1	4.4
4	5350.00	35.3 AV	54.0	-18.7	3.06 V	320	30.9	4.4
5	#10480.00	53.8 PK	74.0	-20.2	1.41 V	77	40.1	13.7
6	#10480.00	39.6 AV	54.0	-14.4	1.41 V	77	25.9	13.7
7	15720.00	49.5 PK	74.0	-24.5	3.67 V	6	35.5	14.0
8	15720.00	36.6 AV	54.0	-17.4	3.67 V	6	22.6	14.0

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	49.3 PK	74.0	-24.7	1.23 H	156	45.3	4.0
2	5150.00	37.8 AV	54.0	-16.2	1.23 H	156	33.8	4.0
3	*5260.00	106.4 PK			1.23 H	156	102.2	4.2
4	*5260.00	98.4 AV			1.23 H	156	94.2	4.2
5	#10520.00	56.0 PK	74.0	-18.0	1.32 H	31	42.2	13.8
6	#10520.00	42.9 AV	54.0	-11.1	1.32 H	31	29.1	13.8
7	15780.00	50.7 PK	74.0	-23.3	3.64 H	313	36.6	14.1
8	15780.00	37.5 AV	54.0	-16.5	3.64 H	313	23.4	14.1

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	46.2 PK	74.0	-27.8	3.09 V	309	42.2	4.0
2	5150.00	37.4 AV	54.0	-16.6	3.09 V	309	33.4	4.0
3	*5260.00	102.8 PK			3.09 V	309	98.6	4.2
4	*5260.00	94.9 AV			3.09 V	309	90.7	4.2
5	#10520.00	53.7 PK	74.0	-20.3	1.30 V	69	39.9	13.8
6	#10520.00	39.4 AV	54.0	-14.6	1.30 V	69	25.6	13.8
7	15780.00	49.5 PK	74.0	-24.5	3.59 V	6	35.4	14.1
8	15780.00	36.9 AV	54.0	-17.1	3.59 V	6	22.8	14.1

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	107.9 PK			1.26 H	158	103.6	4.3
2	*5300.00	98.9 AV			1.26 H	158	94.6	4.3
3	5350.00	57.6 PK	74.0	-16.4	1.26 H	158	53.2	4.4
4	5350.00	43.7 AV	54.0	-10.3	1.26 H	158	39.3	4.4
5	10600.00	56.6 PK	74.0	-17.4	1.47 H	23	42.8	13.8
6	10600.00	43.5 AV	54.0	-10.5	1.47 H	23	29.7	13.8
7	15900.00	49.8 PK	74.0	-24.2	3.53 H	335	36.6	13.2
8	15900.00	36.7 AV	54.0	-17.3	3.53 H	335	23.5	13.2

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	*5300.00	104.3 PK			3.04 V	299	100.0	4.3
2	*5300.00	95.4 AV			3.04 V	299	91.1	4.3
3	5350.00	54.5 PK	74.0	-19.5	3.04 V	299	50.1	4.4
4	5350.00	40.6 AV	54.0	-13.4	3.04 V	299	36.2	4.4
5	10600.00	53.0 PK	74.0	-21.0	1.33 V	62	39.2	13.8
6	10600.00	39.3 AV	54.0	-14.7	1.33 V	62	25.5	13.8
7	15900.00	49.5 PK	74.0	-24.5	3.54 V	8	36.3	13.2
8	15900.00	37.0 AV	54.0	-17.0	3.54 V	8	23.8	13.2

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	107.5 PK			1.26 H	166	103.2	4.3
2	*5320.00	97.4 AV			1.26 H	166	93.1	4.3
3	5350.00	67.7 PK	74.0	-6.3	1.26 H	166	63.3	4.4
4	5350.00	51.7 AV	54.0	-2.3	1.26 H	166	47.3	4.4
5	10640.00	56.9 PK	74.0	-17.1	1.37 H	19	42.9	14.0
6	10640.00	43.9 AV	54.0	-10.1	1.37 H	19	29.9	14.0
7	15960.00	49.2 PK	74.0	-24.8	3.60 H	329	35.7	13.5
8	15960.00	36.3 AV	54.0	-17.7	3.60 H	329	22.8	13.5

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	103.9 PK			2.99 V	308	99.6	4.3
2	*5320.00	93.9 AV			2.99 V	308	89.6	4.3
3	5350.00	64.3 PK	74.0	-9.7	2.99 V	308	59.9	4.4
4	5350.00	48.3 AV	54.0	-5.7	2.99 V	308	43.9	4.4
5	10640.00	53.0 PK	74.0	-21.0	1.34 V	67	39.0	14.0
6	10640.00	39.4 AV	54.0	-14.6	1.34 V	67	25.4	14.0
7	15960.00	50.2 PK	74.0	-23.8	3.56 V	23	36.7	13.5
8	15960.00	37.2 AV	54.0	-16.8	3.56 V	23	23.7	13.5

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	70.1 PK	74.0	-3.9	1.00 H	159	65.6	4.5
2	#5470.00	53.9 AV	54.0	-0.1	1.00 H	159	49.4	4.5
3	*5500.00	107.6 PK			1.00 H	159	103.1	4.5
4	*5500.00	97.5 AV			1.00 H	159	93.0	4.5
5	11000.00	56.5 PK	74.0	-17.5	1.37 H	23	41.7	14.8
6	11000.00	43.5 AV	54.0	-10.5	1.37 H	23	28.7	14.8
7	#16500.00	48.9 PK	74.0	-25.1	3.58 H	312	33.3	15.6
8	#16500.00	36.2 AV	54.0	-17.8	3.58 H	312	20.6	15.6

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	67.0 PK	74.0	-7.0	2.97 V	305	62.5	4.5
2	#5470.00	50.8 AV	54.0	-3.2	2.97 V	305	46.3	4.5
3	*5500.00	104.0 PK			2.97 V	305	99.5	4.5
4	*5500.00	94.0 AV			2.97 V	305	89.5	4.5
5	11000.00	52.5 PK	74.0	-21.5	1.28 V	45	37.7	14.8
6	11000.00	38.9 AV	54.0	-15.1	1.28 V	45	24.1	14.8
7	#16500.00	49.7 PK	74.0	-24.3	3.59 V	22	34.1	15.6
8	#16500.00	36.9 AV	54.0	-17.1	3.59 V	22	21.3	15.6

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	108.2 PK			1.25 H	160	103.6	4.6
2	*5580.00	98.2 AV			1.25 H	160	93.6	4.6
3	11160.00	56.6 PK	74.0	-17.4	1.41 H	15	42.2	14.4
4	11160.00	43.7 AV	54.0	-10.3	1.41 H	15	29.3	14.4
5	#16740.00	49.7 PK	74.0	-24.3	3.59 H	324	33.2	16.5
6	#16740.00	36.8 AV	54.0	-17.2	3.59 H	324	20.3	16.5

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	104.6 PK			3.02 V	294	100.0	4.6
2	*5580.00	94.7 AV			3.02 V	294	90.1	4.6
3	11160.00	52.4 PK	74.0	-21.6	1.28 V	67	38.0	14.4
4	11160.00	38.7 AV	54.0	-15.3	1.28 V	67	24.3	14.4
5	#16740.00	49.5 PK	74.0	-24.5	3.63 V	11	33.0	16.5
6	#16740.00	36.7 AV	54.0	-17.3	3.63 V	11	20.2	16.5

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	107.0 PK			1.00 H	154	102.2	4.8
2	*5700.00	96.6 AV			1.00 H	154	91.8	4.8
3	#5725.00	67.5 PK	74.0	-6.5	1.00 H	154	62.6	4.9
4	#5725.00	53.9 AV	54.0	-0.1	1.00 H	154	49.0	4.9
5	11400.00	58.8 PK	74.0	-15.2	1.36 H	35	44.4	14.4
6	11400.00	45.7 AV	54.0	-8.3	1.36 H	35	31.3	14.4
7	#17100.00	61.1 PK	74.0	-12.9	3.62 H	306	42.6	18.5
8	#17100.00	48.3 AV	54.0	-5.7	3.62 H	306	29.8	18.5

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	103.4 PK			3.07 V	310	98.6	4.8
2	*5700.00	93.1 AV			3.07 V	310	88.3	4.8
3	#5725.00	64.4 PK	74.0	-9.6	3.07 V	310	59.5	4.9
4	#5725.00	50.8 AV	54.0	-3.2	3.07 V	310	45.9	4.9
5	11400.00	53.6 PK	74.0	-20.4	1.21 V	93	39.2	14.4
6	11400.00	39.5 AV	54.0	-14.5	1.21 V	93	25.1	14.4
7	#17100.00	61.4 PK	74.0	-12.6	2.68 V	348	42.9	18.5
8	#17100.00	46.3 AV	54.0	-7.7	2.68 V	348	27.8	18.5

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) – Pre-Amplifier 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 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5643.63	53.0 PK	68.2	-15.2	1.00 H	163	48.2	4.8
2	*5745.00	110.2 PK			1.00 H	163	105.2	5.0
3	*5745.00	99.4 AV			1.00 H	163	94.4	5.0
4	#5952.76	52.3 PK	68.2	-15.9	1.00 H	163	46.9	5.4
5	11490.00	58.6 PK	74.0	-15.4	1.31 H	29	44.5	14.1
6	11490.00	45.7 AV	54.0	-8.3	1.31 H	29	31.6	14.1
7	#17235.00	60.8 PK	74.0	-13.2	3.64 H	312	42.5	18.3
8	#17235.00	48.2 AV	54.0	-5.8	3.64 H	312	29.9	18.3

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	#5618.94	52.2 PK	68.2	-16.0	3.85 V	91	47.5	4.7
2	*5745.00	107.5 PK			3.85 V	91	102.5	5.0
3	*5745.00	96.2 AV			3.85 V	91	91.2	5.0
4	#6009.31	52.0 PK	68.2	-16.2	3.85 V	91	46.3	5.7
5	11490.00	53.8 PK	74.0	-20.2	1.19 V	102	39.7	14.1
6	11490.00	39.5 AV	54.0	-14.5	1.19 V	102	25.4	14.1
7	#17235.00	61.0 PK	74.0	-13.0	2.65 V	341	42.7	18.3
8	#17235.00	46.2 AV	54.0	-7.8	2.65 V	341	27.9	18.3

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) – Pre-Amplifier 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 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5569.91	51.8 PK	68.2	-16.4	1.15 H	161	47.2	4.6
2	*5785.00	109.8 PK			1.15 H	161	104.8	5.0
3	*5785.00	99.1 AV			1.15 H	161	94.1	5.0
4	#6013.67	51.8 PK	68.2	-16.4	1.15 H	161	46.1	5.7
5	11570.00	58.9 PK	74.0	-15.1	1.35 H	35	44.9	14.0
6	11570.00	46.2 AV	54.0	-7.8	1.35 H	35	32.2	14.0
7	#17355.00	60.2 PK	74.0	-13.8	3.56 H	303	41.3	18.9
8	#17355.00	47.6 AV	54.0	-6.4	3.56 H	303	28.7	18.9

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	#5625.13	51.7 PK	68.2	-16.5	3.85 V	99	47.0	4.7
2	*5785.00	107.3 PK			3.84 V	99	102.3	5.0
3	*5785.00	96.0 AV			3.84 V	99	91.0	5.0
4	#5957.48	51.3 PK	68.2	-16.9	3.85 V	99	45.8	5.5
5	11570.00	53.5 PK	74.0	-20.5	1.13 V	91	39.5	14.0
6	11570.00	39.2 AV	54.0	-14.8	1.13 V	91	25.2	14.0
7	#17355.00	61.3 PK	74.0	-12.7	2.64 V	353	42.4	18.9
8	#17355.00	46.4 AV	54.0	-7.6	2.64 V	353	27.5	18.9

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) – Pre-Amplifier 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 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5587.86	52.0 PK	68.2	-16.2	1.15 H	161	47.4	4.6
2	*5825.00	109.6 PK			1.15 H	161	104.4	5.2
3	*5825.00	98.7 AV			1.15 H	161	93.5	5.2
4	#5960.51	52.3 PK	68.2	-15.9	1.15 H	161	46.8	5.5
5	11650.00	59.0 PK	74.0	-15.0	1.33 H	22	44.9	14.1
6	11650.00	46.4 AV	54.0	-7.6	1.33 H	22	32.3	14.1
7	#17475.00	60.1 PK	74.0	-13.9	3.54 H	320	40.4	19.7
8	#17475.00	47.7 AV	54.0	-6.3	3.54 H	320	28.0	19.7

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	#5550.95	51.4 PK	68.2	-16.8	3.84 V	105	46.9	4.5
2	*5825.00	106.6 PK			3.84 V	105	101.4	5.2
3	*5825.00	95.4 AV			3.84 V	105	90.2	5.2
4	#5941.32	51.0 PK	68.2	-17.2	3.84 V	105	45.6	5.4
5	11650.00	53.2 PK	74.0	-20.8	1.18 V	97	39.1	14.1
6	11650.00	39.0 AV	54.0	-15.0	1.18 V	97	24.9	14.1
7	#17475.00	61.2 PK	74.0	-12.8	2.58 V	348	41.5	19.7
8	#17475.00	46.4 AV	54.0	-7.6	2.58 V	348	26.7	19.7

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) – Pre-Amplifier 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 (HT40)

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

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	68.6 PK	74.0	-5.4	1.15 H	161	64.6	4.0
2	5150.00	53.5 AV	54.0	-0.5	1.15 H	161	49.5	4.0
3	*5190.00	101.2 PK			1.15 H	161	97.2	4.0
4	*5190.00	91.7 AV			1.15 H	161	87.7	4.0
5	5350.00	51.0 PK	74.0	-23.0	1.15 H	161	46.6	4.4
6	5350.00	39.2 AV	54.0	-14.8	1.15 H	161	34.8	4.4
7	#10380.00	52.1 PK	74.0	-21.9	1.29 H	3	38.5	13.6
8	#10380.00	39.2 AV	54.0	-14.8	1.29 H	3	25.6	13.6
9	15570.00	46.8 PK	74.0	-27.2	3.65 H	317	33.5	13.3
10	15570.00	34.1 AV	54.0	-19.9	3.65 H	317	20.8	13.3

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	5150.00	65.5 PK	74.0	-8.5	3.78 V	110	61.5	4.0
2	5150.00	50.4 AV	54.0	-3.6	3.78 V	110	46.4	4.0
3	*5190.00	97.6 PK			3.78 V	110	93.6	4.0
4	*5190.00	88.2 AV			3.78 V	110	84.2	4.0
5	5350.00	47.9 PK	74.0	-26.1	3.78 V	110	43.5	4.4
6	5350.00	37.1 AV	54.0	-16.9	3.78 V	110	32.7	4.4
7	#10380.00	49.2 PK	74.0	-24.8	1.31 V	49	35.6	13.6
8	#10380.00	34.9 AV	54.0	-19.1	1.31 V	49	21.3	13.6
9	15570.00	47.1 PK	74.0	-26.9	3.62 V	13	33.8	13.3
10	15570.00	34.1 AV	54.0	-19.9	3.62 V	13	20.8	13.3

REMARKS:

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

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

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	*5230.00	103.9 PK			1.15 H	164	99.7	4.2
2	*5230.00	94.9 AV			1.15 H	164	90.7	4.2
3	5350.00	54.6 PK	74.0	-19.4	1.15 H	164	50.2	4.4
4	5350.00	40.9 AV	54.0	-13.1	1.15 H	164	36.5	4.4
5	#10460.00	52.0 PK	74.0	-22.0	1.34 H	12	38.3	13.7
6	#10460.00	39.0 AV	54.0	-15.0	1.34 H	12	25.3	13.7
7	15690.00	47.2 PK	74.0	-26.8	3.71 H	320	33.2	14.0
8	15690.00	34.4 AV	54.0	-19.6	3.71 H	320	20.4	14.0

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	*5230.00	100.3 PK			3.79 V	103	96.1	4.2
2	*5230.00	91.4 AV			3.79 V	103	87.2	4.2
3	5350.00	51.2 PK	74.0	-22.8	3.79 V	103	46.8	4.4
4	5350.00	37.5 AV	54.0	-16.5	3.79 V	103	33.1	4.4
5	#10460.00	49.7 PK	74.0	-24.3	1.26 V	43	36.0	13.7
6	#10460.00	35.1 AV	54.0	-18.9	1.26 V	43	21.4	13.7
7	15690.00	47.2 PK	74.0	-26.8	3.63 V	18	33.2	14.0
8	15690.00	34.3 AV	54.0	-19.7	3.63 V	18	20.3	14.0

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	50.9 PK	74.0	-23.1	1.15 H	166	46.9	4.0
2	5150.00	39.9 AV	54.0	-14.1	1.15 H	166	35.9	4.0
3	*5270.00	103.5 PK			1.15 H	166	99.3	4.2
4	*5270.00	94.2 AV			1.15 H	166	90.0	4.2
5	#10540.00	52.1 PK	74.0	-21.9	1.28 H	10	38.4	13.7
6	#10540.00	39.1 AV	54.0	-14.9	1.28 H	10	25.4	13.7
7	15810.00	47.7 PK	74.0	-26.3	3.76 H	322	33.7	14.0
8	15810.00	34.6 AV	54.0	-19.4	3.76 H	322	20.6	14.0

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	5150.00	47.8 PK	74.0	-26.2	3.85 V	91	43.8	4.0
2	5150.00	36.6 AV	54.0	-17.4	3.85 V	91	32.6	4.0
3	*5270.00	99.9 PK			3.85 V	91	95.7	4.2
4	*5270.00	90.7 AV			3.85 V	91	86.5	4.2
5	#10540.00	49.8 PK	74.0	-24.2	1.30 V	43	36.1	13.7
6	#10540.00	35.0 AV	54.0	-19.0	1.30 V	43	21.3	13.7
7	15810.00	47.1 PK	74.0	-26.9	3.64 V	4	33.1	14.0
8	15810.00	34.0 AV	54.0	-20.0	3.64 V	4	20.0	14.0

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	101.8 PK			1.15 H	153	97.5	4.3
2	*5310.00	92.2 AV			1.15 H	153	87.9	4.3
3	5350.00	70.3 PK	74.0	-3.7	1.15 H	153	65.9	4.4
4	5350.00	53.5 AV	54.0	-0.5	1.15 H	153	49.1	4.4
5	10620.00	51.5 PK	74.0	-22.5	1.31 H	6	37.6	13.9
6	10620.00	38.5 AV	54.0	-15.5	1.31 H	6	24.6	13.9
7	15930.00	47.2 PK	74.0	-26.8	3.77 H	317	33.9	13.3
8	15930.00	34.2 AV	54.0	-19.8	3.77 H	317	20.9	13.3

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	*5310.00	98.2 PK			3.86 V	85	93.9	4.3
2	*5310.00	88.7 AV			3.86 V	85	84.4	4.3
3	5350.00	67.2 PK	74.0	-6.8	3.86 V	85	62.8	4.4
4	5350.00	50.1 AV	54.0	-3.9	3.86 V	85	45.7	4.4
5	10620.00	49.8 PK	74.0	-24.2	1.28 V	50	35.9	13.9
6	10620.00	35.5 AV	54.0	-18.5	1.28 V	50	21.6	13.9
7	15930.00	47.4 PK	74.0	-26.6	3.63 V	13	34.1	13.3
8	15930.00	34.4 AV	54.0	-19.6	3.63 V	13	21.1	13.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	68.5 PK	74.0	-5.5	1.15 H	157	64.0	4.5
2	#5470.00	53.6 AV	54.0	-0.4	1.15 H	157	49.1	4.5
3	*5510.00	102.5 PK			1.15 H	157	97.9	4.6
4	*5510.00	92.8 AV			1.15 H	157	88.2	4.6
5	11020.00	51.5 PK	74.0	-22.5	1.31 H	28	36.8	14.7
6	11020.00	38.5 AV	54.0	-15.5	1.31 H	28	23.8	14.7
7	#16530.00	47.1 PK	74.0	-26.9	3.73 H	335	31.3	15.8
8	#16530.00	34.4 AV	54.0	-19.6	3.73 H	335	18.6	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	#5470.00	65.1 PK	74.0	-8.9	3.89 V	70	60.6	4.5
2	#5470.00	50.2 AV	54.0	-3.8	3.89 V	70	45.7	4.5
3	*5510.00	98.9 PK			3.89 V	70	94.3	4.6
4	*5510.00	89.3 AV			3.89 V	70	84.7	4.6
5	11020.00	49.3 PK	74.0	-24.7	1.24 V	29	34.6	14.7
6	11020.00	34.8 AV	54.0	-19.2	1.24 V	29	20.1	14.7
7	#16530.00	47.1 PK	74.0	-26.9	3.63 V	8	31.3	15.8
8	#16530.00	33.9 AV	54.0	-20.1	3.63 V	8	18.1	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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	61.9 PK	74.0	-12.1	1.15 H	160	57.4	4.5
2	#5470.00	47.5 AV	54.0	-6.5	1.15 H	160	43.0	4.5
3	*5550.00	104.1 PK			1.15 H	160	99.6	4.5
4	*5550.00	95.2 AV			1.15 H	160	90.7	4.5
5	11100.00	52.6 PK	74.0	-21.4	1.29 H	4	38.2	14.4
6	11100.00	39.5 AV	54.0	-14.5	1.29 H	4	25.1	14.4
7	#16650.00	46.9 PK	74.0	-27.1	3.67 H	322	30.5	16.4
8	#16650.00	34.1 AV	54.0	-19.9	3.67 H	322	17.7	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	#5470.00	58.5 PK	74.0	-15.5	3.92 V	55	54.0	4.5
2	#5470.00	44.1 AV	54.0	-9.9	3.92 V	55	39.6	4.5
3	*5550.00	100.5 PK			3.92 V	55	96.0	4.5
4	*5550.00	91.7 AV			3.92 V	55	87.2	4.5
5	11100.00	49.2 PK	74.0	-24.8	1.28 V	23	34.8	14.4
6	11100.00	34.9 AV	54.0	-19.1	1.28 V	23	20.5	14.4
7	#16650.00	47.4 PK	74.0	-26.6	3.66 V	2	31.0	16.4
8	#16650.00	34.3 AV	54.0	-19.7	3.66 V	2	17.9	16.4

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	104.9 PK			1.15 H	155	100.1	4.8
2	*5670.00	95.9 AV			1.15 H	155	91.1	4.8
3	#5725.00	63.3 PK	74.0	-10.7	1.15 H	155	58.4	4.9
4	#5725.00	50.7 AV	54.0	-3.3	1.15 H	155	45.8	4.9
5	11340.00	51.4 PK	74.0	-22.6	1.31 H	30	37.0	14.4
6	11340.00	38.6 AV	54.0	-15.4	1.31 H	30	24.2	14.4
7	#17010.00	47.6 PK	74.0	-26.4	3.77 H	332	29.4	18.2
8	#17010.00	34.8 AV	54.0	-19.2	3.77 H	332	16.6	18.2

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	*5670.00	101.3 PK			3.96 V	40	96.5	4.8
2	*5670.00	92.4 AV			3.96 V	40	87.6	4.8
3	#5725.00	59.9 PK	74.0	-14.1	3.96 V	40	55.0	4.9
4	#5725.00	47.3 AV	54.0	-6.7	3.96 V	40	42.4	4.9
5	11340.00	49.5 PK	74.0	-24.5	1.22 V	11	35.1	14.4
6	11340.00	35.2 AV	54.0	-18.8	1.22 V	11	20.8	14.4
7	#17010.00	46.8 PK	74.0	-27.2	3.62 V	5	28.6	18.2
8	#17010.00	34.0 AV	54.0	-20.0	3.62 V	5	15.8	18.2

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) – Pre-Amplifier 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 151	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5646.52	61.1 PK	68.2	-7.1	1.15 H	160	56.3	4.8
2	*5755.00	106.6 PK			1.15 H	160	101.6	5.0
3	*5755.00	97.8 AV			1.15 H	160	92.8	5.0
4	#5990.29	51.6 PK	68.2	-16.6	1.15 H	160	46.0	5.6
5	11510.00	51.5 PK	74.0	-22.5	1.34 H	33	37.5	14.0
6	11510.00	38.7 AV	54.0	-15.3	1.34 H	33	24.7	14.0
7	#17265.00	47.6 PK	74.0	-26.4	3.73 H	343	29.1	18.5
8	#17265.00	34.6 AV	54.0	-19.4	3.73 H	343	16.1	18.5

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	#5643.19	56.0 PK	68.2	-12.2	3.49 V	110	51.2	4.8
2	*5755.00	103.2 PK			3.49 V	110	98.2	5.0
3	*5755.00	94.1 AV			3.49 V	110	89.1	5.0
4	#6001.23	51.9 PK	68.2	-16.3	3.49 V	110	46.3	5.6
5	11510.00	49.0 PK	74.0	-25.0	1.23 V	26	35.0	14.0
6	11510.00	34.9 AV	54.0	-19.1	1.23 V	26	20.9	14.0
7	#17265.00	47.1 PK	74.0	-26.9	3.61 V	2	28.6	18.5
8	#17265.00	34.0 AV	54.0	-20.0	3.61 V	2	15.5	18.5

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) – Pre-Amplifier 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 159	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5642.24	54.7 PK	68.2	-13.5	1.15 H	160	49.9	4.8
2	*5795.00	106.5 PK			1.15 H	160	101.4	5.1
3	*5795.00	97.6 AV			1.15 H	160	92.5	5.1
4	#5989.81	52.2 PK	68.2	-16.0	1.15 H	160	46.6	5.6
5	11590.00	51.8 PK	74.0	-22.2	1.28 H	19	37.8	14.0
6	11590.00	38.9 AV	54.0	-15.1	1.28 H	19	24.9	14.0
7	#17385.00	47.5 PK	74.0	-26.5	3.77 H	348	28.4	19.1
8	#17385.00	34.8 AV	54.0	-19.2	3.77 H	348	15.7	19.1

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	#5650.33	52.2 PK	68.4	-16.2	3.49 V	107	47.5	4.7
2	*5795.00	103.5 PK			3.49 V	107	98.4	5.1
3	*5795.00	94.3 AV			3.49 V	107	89.2	5.1
4	#6006.93	52.0 PK	68.2	-16.2	3.49 V	107	46.3	5.7
5	11590.00	49.7 PK	74.0	-24.3	1.33 V	7	35.7	14.0
6	11590.00	35.3 AV	54.0	-18.7	1.33 V	7	21.3	14.0
7	#17385.00	47.0 PK	74.0	-27.0	3.61 V	11	27.9	19.1
8	#17385.00	34.1 AV	54.0	-19.9	3.61 V	11	15.0	19.1

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) – Pre-Amplifier 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 Data:

802.11a

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

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	58.74	24.6 QP	40.0	-15.4	1.00 H	223	32.9	-8.3
2	150.01	27.1 QP	43.5	-16.4	2.00 H	94	35.3	-8.2
3	250.00	33.8 QP	46.0	-12.2	1.00 H	314	43.3	-9.5
4	350.00	39.2 QP	46.0	-6.8	1.00 H	123	45.7	-6.5
5	500.01	37.0 QP	46.0	-9.0	2.00 H	100	39.8	-2.8
6	896.04	35.3 QP	46.0	-10.7	1.50 H	184	31.5	3.8

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	31.60	27.8 QP	40.0	-12.2	1.00 V	183	37.2	-9.4
2	149.99	26.8 QP	43.5	-16.7	1.00 V	92	35.0	-8.2
3	350.00	37.8 QP	46.0	-8.2	1.50 V	276	44.3	-6.5
4	500.01	34.3 QP	46.0	-11.7	2.00 V	193	37.1	-2.8
5	600.00	28.9 QP	46.0	-17.1	1.00 V	298	29.3	-0.4
6	896.11	38.0 QP	46.0	-8.0	1.50 V	126	34.2	3.8

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

4.1.9 Test Results (Mode 3)

Above 1GHz Data:

802.11a

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

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	68.6 PK	74.0	-5.4	1.96 H	49	64.6	4.0
2	5150.00	53.9 AV	54.0	-0.1	1.96 H	49	49.9	4.0
3	*5180.00	108.3 PK			1.96 H	49	104.3	4.0
4	*5180.00	98.9 AV			1.96 H	49	94.9	4.0
5	#10360.00	49.0 PK	74.0	-25.0	1.51 H	352	35.4	13.6
6	#10360.00	36.3 AV	54.0	-17.7	1.51 H	352	22.7	13.6
7	15540.00	48.4 PK	74.0	-25.6	1.56 H	31	35.2	13.2
8	15540.00	35.8 AV	54.0	-18.2	1.56 H	31	22.6	13.2

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	64.4 PK	74.0	-9.6	1.62 V	352	60.4	4.0
2	5150.00	50.2 AV	54.0	-3.8	1.62 V	352	46.2	4.0
3	*5180.00	104.3 PK			1.62 V	352	100.3	4.0
4	*5180.00	95.0 AV			1.62 V	352	91.0	4.0
5	#10360.00	50.4 PK	74.0	-23.6	2.22 V	353	36.8	13.6
6	#10360.00	36.9 AV	54.0	-17.1	2.22 V	353	23.3	13.6
7	15540.00	48.4 PK	74.0	-25.6	2.25 V	360	35.2	13.2
8	15540.00	35.3 AV	54.0	-18.7	2.25 V	360	22.1	13.2

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	51.8 PK	74.0	-22.2	1.85 H	49	47.8	4.0
2	5150.00	38.4 AV	54.0	-15.6	1.85 H	49	34.4	4.0
3	*5200.00	109.5 PK			1.85 H	49	105.5	4.0
4	*5200.00	100.1 AV			1.85 H	49	96.1	4.0
5	#10400.00	49.4 PK	74.0	-24.6	1.55 H	351	35.8	13.6
6	#10400.00	36.3 AV	54.0	-17.7	1.55 H	351	22.7	13.6
7	15600.00	49.0 PK	74.0	-25.0	1.54 H	5	35.6	13.4
8	15600.00	36.2 AV	54.0	-17.8	1.54 H	5	22.8	13.4

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	5150.00	50.6 PK	74.0	-23.4	1.72 V	349	46.6	4.0
2	5150.00	37.4 AV	54.0	-16.6	1.72 V	349	33.4	4.0
3	*5200.00	105.6 PK			1.72 V	349	101.6	4.0
4	*5200.00	96.1 AV			1.72 V	349	92.1	4.0
5	#10400.00	50.3 PK	74.0	-23.7	2.28 V	342	36.7	13.6
6	#10400.00	36.9 AV	54.0	-17.1	2.28 V	342	23.3	13.6
7	15600.00	48.9 PK	74.0	-25.1	2.22 V	345	35.5	13.4
8	15600.00	35.9 AV	54.0	-18.1	2.22 V	345	22.5	13.4

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	110.5 PK			1.98 H	35	106.3	4.2
2	*5240.00	101.1 AV			1.98 H	35	96.9	4.2
3	5426.00	51.8 PK	74.0	-22.2	1.98 H	35	47.3	4.5
4	5426.00	38.6 AV	54.0	-15.4	1.98 H	35	34.1	4.5
5	#10480.00	49.6 PK	74.0	-24.4	1.50 H	354	35.9	13.7
6	#10480.00	36.6 AV	54.0	-17.4	1.50 H	354	22.9	13.7
7	15720.00	48.6 PK	74.0	-25.4	1.50 H	21	34.6	14.0
8	15720.00	35.8 AV	54.0	-18.2	1.50 H	21	21.8	14.0

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	*5240.00	106.6 PK			1.71 V	352	102.4	4.2
2	*5240.00	97.1 AV			1.71 V	352	92.9	4.2
3	5426.00	50.9 PK	74.0	-23.1	1.71 V	352	46.4	4.5
4	5426.00	37.6 AV	54.0	-16.4	1.71 V	352	33.1	4.5
5	#10480.00	50.3 PK	74.0	-23.7	2.22 V	348	36.6	13.7
6	#10480.00	36.7 AV	54.0	-17.3	2.22 V	348	23.0	13.7
7	15720.00	48.4 PK	74.0	-25.6	2.22 V	354	34.4	14.0
8	15720.00	35.6 AV	54.0	-18.4	2.22 V	354	21.6	14.0

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	48.4 PK	74.0	-25.6	1.94 H	48	44.4	4.0
2	5150.00	36.6 AV	54.0	-17.4	1.94 H	48	32.6	4.0
3	*5260.00	110.6 PK			1.94 H	48	106.4	4.2
4	*5260.00	100.8 AV			1.94 H	48	96.6	4.2
5	#10520.00	49.3 PK	74.0	-24.7	1.45 H	356	35.5	13.8
6	#10520.00	36.1 AV	54.0	-17.9	1.45 H	356	22.3	13.8
7	15780.00	48.8 PK	74.0	-25.2	1.50 H	22	34.7	14.1
8	15780.00	35.9 AV	54.0	-18.1	1.50 H	22	21.8	14.1

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	47.1 PK	74.0	-26.9	1.71 V	360	43.1	4.0
2	5150.00	36.3 AV	54.0	-17.7	1.71 V	360	32.3	4.0
3	*5260.00	106.7 PK			1.71 V	360	102.5	4.2
4	*5260.00	96.8 AV			1.71 V	360	92.6	4.2
5	#10520.00	49.6 PK	74.0	-24.4	2.16 V	338	35.8	13.8
6	#10520.00	36.2 AV	54.0	-17.8	2.16 V	338	22.4	13.8
7	15780.00	48.4 PK	74.0	-25.6	2.23 V	360	34.3	14.1
8	15780.00	35.7 AV	54.0	-18.3	2.23 V	360	21.6	14.1

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	110.8 PK			1.96 H	48	106.5	4.3
2	*5300.00	100.9 AV			1.96 H	48	96.6	4.3
3	10600.00	49.7 PK	74.0	-24.3	1.45 H	354	35.9	13.8
4	10600.00	36.6 AV	54.0	-17.4	1.45 H	354	22.8	13.8
5	15900.00	48.4 PK	74.0	-25.6	1.46 H	18	35.2	13.2
6	15900.00	35.8 AV	54.0	-18.2	1.46 H	18	22.6	13.2

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	*5300.00	106.9 PK			1.69 V	360	102.6	4.3
2	*5300.00	96.9 AV			1.69 V	360	92.6	4.3
3	10600.00	50.1 PK	74.0	-23.9	2.14 V	326	36.3	13.8
4	10600.00	36.6 AV	54.0	-17.4	2.14 V	326	22.8	13.8
5	15900.00	47.9 PK	74.0	-26.1	2.29 V	360	34.7	13.2
6	15900.00	35.2 AV	54.0	-18.8	2.29 V	360	22.0	13.2

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	109.6 PK			1.90 H	49	105.3	4.3
2	*5320.00	99.8 AV			1.90 H	49	95.5	4.3
3	5350.00	70.1 PK	74.0	-3.9	1.90 H	49	65.7	4.4
4	5350.00	53.9 AV	54.0	-0.1	1.90 H	49	49.5	4.4
5	10640.00	49.7 PK	74.0	-24.3	1.45 H	360	35.7	14.0
6	10640.00	36.9 AV	54.0	-17.1	1.45 H	360	22.9	14.0
7	15960.00	49.0 PK	74.0	-25.0	1.54 H	33	35.5	13.5
8	15960.00	36.1 AV	54.0	-17.9	1.54 H	33	22.6	13.5

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	105.7 PK			1.67 V	360	101.4	4.3
2	*5320.00	95.8 AV			1.67 V	360	91.5	4.3
3	5350.00	65.9 PK	74.0	-8.1	1.67 V	360	61.5	4.4
4	5350.00	50.2 AV	54.0	-3.8	1.67 V	360	45.8	4.4
5	10640.00	49.5 PK	74.0	-24.5	2.16 V	336	35.5	14.0
6	10640.00	36.0 AV	54.0	-18.0	2.16 V	336	22.0	14.0
7	15960.00	48.0 PK	74.0	-26.0	2.25 V	360	34.5	13.5
8	15960.00	35.5 AV	54.0	-18.5	2.25 V	360	22.0	13.5

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	67.9 PK	74.0	-6.1	1.96 H	50	63.4	4.5
2	#5470.00	52.6 AV	54.0	-1.4	1.96 H	50	48.1	4.5
3	*5500.00	106.5 PK			1.96 H	50	102.0	4.5
4	*5500.00	96.7 AV			1.96 H	50	92.2	4.5
5	11000.00	50.0 PK	74.0	-24.0	1.49 H	356	35.2	14.8
6	11000.00	36.8 AV	54.0	-17.2	1.49 H	356	22.0	14.8
7	#16500.00	48.7 PK	74.0	-25.3	1.50 H	27	33.1	15.6
8	#16500.00	35.6 AV	54.0	-18.4	1.50 H	27	20.0	15.6

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	63.7 PK	74.0	-10.3	1.71 V	359	59.2	4.5
2	#5470.00	48.9 AV	54.0	-5.1	1.71 V	359	44.4	4.5
3	*5500.00	102.6 PK			1.71 V	359	98.1	4.5
4	*5500.00	92.7 AV			1.71 V	359	88.2	4.5
5	11000.00	49.9 PK	74.0	-24.1	2.13 V	325	35.1	14.8
6	11000.00	36.7 AV	54.0	-17.3	2.13 V	325	21.9	14.8
7	#16500.00	48.0 PK	74.0	-26.0	2.22 V	354	32.4	15.6
8	#16500.00	35.6 AV	54.0	-18.4	2.22 V	354	20.0	15.6

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	107.5 PK			1.92 H	55	102.9	4.6
2	*5580.00	97.6 AV			1.92 H	55	93.0	4.6
3	11160.00	50.2 PK	74.0	-23.8	1.55 H	360	35.8	14.4
4	11160.00	37.0 AV	54.0	-17.0	1.55 H	360	22.6	14.4
5	#16740.00	48.9 PK	74.0	-25.1	1.45 H	37	32.4	16.5
6	#16740.00	36.1 AV	54.0	-17.9	1.45 H	37	19.6	16.5

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	103.6 PK			1.72 V	360	99.0	4.6
2	*5580.00	93.6 AV			1.72 V	360	89.0	4.6
3	11160.00	49.4 PK	74.0	-24.6	2.11 V	337	35.0	14.4
4	11160.00	36.2 AV	54.0	-17.8	2.11 V	337	21.8	14.4
5	#16740.00	48.7 PK	74.0	-25.3	2.28 V	360	32.2	16.5
6	#16740.00	36.0 AV	54.0	-18.0	2.28 V	360	19.5	16.5

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	104.2 PK			1.84 H	45	99.4	4.8
2	*5700.00	94.4 AV			1.84 H	45	89.6	4.8
3	#5725.00	67.3 PK	74.0	-6.7	1.84 H	45	62.4	4.9
4	#5725.00	52.5 AV	54.0	-1.5	1.84 H	45	47.6	4.9
5	11400.00	49.8 PK	74.0	-24.2	1.49 H	360	35.4	14.4
6	11400.00	36.8 AV	54.0	-17.2	1.49 H	360	22.4	14.4
7	#17100.00	48.2 PK	74.0	-25.8	1.50 H	12	29.7	18.5
8	#17100.00	35.5 AV	54.0	-18.5	1.50 H	12	17.0	18.5

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	100.3 PK			1.75 V	349	95.5	4.8
2	*5700.00	90.4 AV			1.75 V	349	85.6	4.8
3	#5725.00	63.1 PK	74.0	-10.9	1.75 V	349	58.2	4.9
4	#5725.00	48.8 AV	54.0	-5.2	1.75 V	349	43.9	4.9
5	11400.00	49.7 PK	74.0	-24.3	2.19 V	328	35.3	14.4
6	11400.00	36.1 AV	54.0	-17.9	2.19 V	328	21.7	14.4
7	#17100.00	48.7 PK	74.0	-25.3	2.25 V	360	30.2	18.5
8	#17100.00	36.1 AV	54.0	-17.9	2.25 V	360	17.6	18.5

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) – Pre-Amplifier 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 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5574.20	52.9 PK	68.2	-15.3	1.97 H	67	48.3	4.6
2	*5745.00	106.8 PK			1.97 H	67	101.8	5.0
3	*5745.00	97.1 AV			1.97 H	67	92.1	5.0
4	#5999.18	52.0 PK	68.2	-16.2	1.97 H	67	46.4	5.6
5	11490.00	50.2 PK	74.0	-23.8	1.46 H	341	36.1	14.1
6	11490.00	37.0 AV	54.0	-17.0	1.46 H	341	22.9	14.1
7	#17235.00	48.2 PK	74.0	-25.8	1.50 H	14	29.9	18.3
8	#17235.00	35.4 AV	54.0	-18.6	1.50 H	14	17.1	18.3

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	#5607.43	50.8 PK	68.2	-17.4	2.37 V	334	46.1	4.7
2	*5745.00	98.5 PK			2.37 V	334	93.5	5.0
3	*5745.00	89.0 AV			2.37 V	334	84.0	5.0
4	#5978.07	50.8 PK	68.2	-17.4	2.37 V	334	45.3	5.5
5	11490.00	49.7 PK	74.0	-24.3	2.18 V	334	35.6	14.1
6	11490.00	36.1 AV	54.0	-17.9	2.18 V	334	22.0	14.1
7	#17235.00	48.6 PK	74.0	-25.4	2.19 V	360	30.3	18.3
8	#17235.00	35.7 AV	54.0	-18.3	2.19 V	360	17.4	18.3

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) – Pre-Amplifier 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 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5562.54	51.7 PK	68.2	-16.5	1.97 H	51	47.1	4.6
2	*5785.00	105.5 PK			1.97 H	51	100.5	5.0
3	*5785.00	96.4 AV			1.97 H	51	91.4	5.0
4	#5937.89	51.6 PK	68.2	-16.6	1.97 H	51	46.2	5.4
5	11570.00	50.1 PK	74.0	-23.9	1.55 H	355	36.1	14.0
6	11570.00	36.9 AV	54.0	-17.1	1.55 H	355	22.9	14.0
7	#17355.00	49.1 PK	74.0	-24.9	1.55 H	14	30.2	18.9
8	#17355.00	36.3 AV	54.0	-17.7	1.55 H	14	17.4	18.9

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	#5557.98	51.0 PK	68.2	-17.2	2.40 V	326	46.4	4.6
2	*5785.00	98.1 PK			2.40 V	326	93.1	5.0
3	*5785.00	88.6 AV			2.40 V	326	83.6	5.0
4	#5952.65	51.4 PK	68.2	-16.8	2.40 V	326	46.0	5.4
5	11570.00	49.0 PK	74.0	-25.0	2.14 V	341	35.0	14.0
6	11570.00	35.8 AV	54.0	-18.2	2.14 V	341	21.8	14.0
7	#17355.00	48.7 PK	74.0	-25.3	2.25 V	360	29.8	18.9
8	#17355.00	35.8 AV	54.0	-18.2	2.25 V	360	16.9	18.9

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) – Pre-Amplifier 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 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5637.52	51.0 PK	68.2	-17.2	2.54 H	330	46.2	4.8
2	*5825.00	105.3 PK			2.54 H	330	100.1	5.2
3	*5825.00	96.2 AV			2.54 H	330	91.0	5.2
4	#5931.61	51.2 PK	68.2	-17.0	2.54 H	330	45.8	5.4
5	11650.00	49.8 PK	74.0	-24.2	1.50 H	352	35.7	14.1
6	11650.00	36.7 AV	54.0	-17.3	1.50 H	352	22.6	14.1
7	#17475.00	48.6 PK	74.0	-25.4	1.51 H	7	28.9	19.7
8	#17475.00	35.8 AV	54.0	-18.2	1.51 H	7	16.1	19.7

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	#5650.01	50.8 PK	68.2	-17.4	2.40 V	341	46.1	4.7
2	*5825.00	99.4 PK			2.40 V	341	94.2	5.2
3	*5825.00	89.6 AV			2.40 V	341	84.4	5.2
4	#5998.92	51.3 PK	68.2	-16.9	2.40 V	341	45.7	5.6
5	11650.00	49.2 PK	74.0	-24.8	2.15 V	341	35.1	14.1
6	11650.00	35.8 AV	54.0	-18.2	2.15 V	341	21.7	14.1
7	#17475.00	48.8 PK	74.0	-25.2	2.28 V	360	29.1	19.7
8	#17475.00	36.0 AV	54.0	-18.0	2.28 V	360	16.3	19.7

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) – Pre-Amplifier 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 (HT20)

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

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	70.1 PK	74.0	-3.9	2.65 H	46	66.1	4.0
2	5150.00	53.8 AV	54.0	-0.2	2.65 H	46	49.8	4.0
3	*5180.00	107.5 PK			2.65 H	46	103.5	4.0
4	*5180.00	97.3 AV			2.65 H	46	93.3	4.0
5	#10360.00	49.3 PK	74.0	-24.7	1.47 H	339	35.7	13.6
6	#10360.00	36.4 AV	54.0	-17.6	1.47 H	339	22.8	13.6
7	15540.00	48.2 PK	74.0	-25.8	1.55 H	27	35.0	13.2
8	15540.00	35.4 AV	54.0	-18.6	1.55 H	27	22.2	13.2

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	65.9 PK	74.0	-8.1	1.72 V	357	61.9	4.0
2	5150.00	50.1 AV	54.0	-3.9	1.72 V	357	46.1	4.0
3	*5180.00	103.6 PK			1.72 V	357	99.6	4.0
4	*5180.00	93.3 AV			1.72 V	357	89.3	4.0
5	#10360.00	49.6 PK	74.0	-24.4	2.17 V	328	36.0	13.6
6	#10360.00	36.1 AV	54.0	-17.9	2.17 V	328	22.5	13.6
7	15540.00	48.6 PK	74.0	-25.4	2.27 V	360	35.4	13.2
8	15540.00	35.6 AV	54.0	-18.4	2.27 V	360	22.4	13.2

REMARKS:

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

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

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	109.4 PK			2.50 H	46	105.4	4.0
2	*5200.00	98.4 AV			2.50 H	46	94.4	4.0
3	#10400.00	49.8 PK	74.0	-24.2	1.52 H	339	36.2	13.6
4	#10400.00	36.5 AV	54.0	-17.5	1.52 H	339	22.9	13.6
5	15600.00	48.4 PK	74.0	-25.6	1.50 H	36	35.0	13.4
6	15600.00	35.5 AV	54.0	-18.5	1.50 H	36	22.1	13.4

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	*5200.00	105.5 PK			1.77 V	360	101.5	4.0
2	*5200.00	94.4 AV			1.77 V	360	90.4	4.0
3	#10400.00	49.5 PK	74.0	-24.5	2.17 V	336	35.9	13.6
4	#10400.00	36.1 AV	54.0	-17.9	2.17 V	336	22.5	13.6
5	15600.00	48.2 PK	74.0	-25.8	2.27 V	358	34.8	13.4
6	15600.00	35.8 AV	54.0	-18.2	2.27 V	358	22.4	13.4

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	107.6 PK			2.50 H	41	103.4	4.2
2	*5240.00	96.0 AV			2.50 H	41	91.8	4.2
3	5426.00	51.6 PK	74.0	-22.4	2.50 H	41	47.1	4.5
4	5426.00	38.4 AV	54.0	-15.6	2.50 H	41	33.9	4.5
5	#10480.00	50.0 PK	74.0	-24.0	1.50 H	359	36.3	13.7
6	#10480.00	36.8 AV	54.0	-17.2	1.50 H	359	23.1	13.7
7	15720.00	48.6 PK	74.0	-25.4	1.44 H	9	34.6	14.0
8	15720.00	35.9 AV	54.0	-18.1	1.44 H	9	21.9	14.0

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	*5240.00	103.7 PK			1.75 V	360	99.5	4.2
2	*5240.00	92.0 AV			1.75 V	360	87.8	4.2
3	5426.00	50.7 PK	74.0	-23.3	1.75 V	360	46.2	4.5
4	5426.00	37.4 AV	54.0	-16.6	1.75 V	360	32.9	4.5
5	#10480.00	49.4 PK	74.0	-24.6	2.22 V	330	35.7	13.7
6	#10480.00	36.1 AV	54.0	-17.9	2.22 V	330	22.4	13.7
7	15720.00	48.4 PK	74.0	-25.6	2.25 V	358	34.4	14.0
8	15720.00	35.4 AV	54.0	-18.6	2.25 V	358	21.4	14.0

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	51.2 PK	74.0	-22.8	2.50 H	49	47.2	4.0
2	5150.00	37.6 AV	54.0	-16.4	2.50 H	49	33.6	4.0
3	*5260.00	109.4 PK			2.50 H	49	105.2	4.2
4	*5260.00	98.4 AV			2.50 H	49	94.2	4.2
5	#10520.00	50.4 PK	74.0	-23.6	1.45 H	347	36.6	13.8
6	#10520.00	37.0 AV	54.0	-17.0	1.45 H	347	23.2	13.8
7	15780.00	48.1 PK	74.0	-25.9	1.44 H	20	34.0	14.1
8	15780.00	35.5 AV	54.0	-18.5	1.44 H	20	21.4	14.1

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	50.9 PK	74.0	-23.1	1.78 V	360	46.9	4.0
2	5150.00	37.3 AV	54.0	-16.7	1.78 V	360	33.3	4.0
3	*5260.00	105.5 PK			1.78 V	360	101.3	4.2
4	*5260.00	94.4 AV			1.78 V	360	90.2	4.2
5	#10520.00	49.2 PK	74.0	-24.8	2.21 V	348	35.4	13.8
6	#10520.00	35.7 AV	54.0	-18.3	2.21 V	348	21.9	13.8
7	15780.00	48.2 PK	74.0	-25.8	2.22 V	360	34.1	14.1
8	15780.00	35.7 AV	54.0	-18.3	2.22 V	360	21.6	14.1

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	110.0 PK			2.50 H	45	105.7	4.3
2	*5300.00	99.1 AV			2.50 H	45	94.8	4.3
3	10600.00	50.7 PK	74.0	-23.3	1.53 H	359	36.9	13.8
4	10600.00	37.3 AV	54.0	-16.7	1.53 H	359	23.5	13.8
5	15900.00	48.0 PK	74.0	-26.0	1.45 H	24	34.8	13.2
6	15900.00	35.5 AV	54.0	-18.5	1.45 H	24	22.3	13.2

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	*5300.00	106.1 PK			1.80 V	360	101.8	4.3
2	*5300.00	95.1 AV			1.80 V	360	90.8	4.3
3	10600.00	50.2 PK	74.0	-23.8	2.18 V	330	36.4	13.8
4	10600.00	36.6 AV	54.0	-17.4	2.18 V	330	22.8	13.8
5	15900.00	48.7 PK	74.0	-25.3	2.27 V	360	35.5	13.2
6	15900.00	35.7 AV	54.0	-18.3	2.27 V	360	22.5	13.2

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	108.9 PK			2.50 H	45	104.6	4.3
2	*5320.00	97.8 AV			2.50 H	45	93.5	4.3
3	5350.00	70.2 PK	74.0	-3.8	2.50 H	45	65.8	4.4
4	5350.00	53.8 AV	54.0	-0.2	2.50 H	45	49.4	4.4
5	10640.00	50.3 PK	74.0	-23.7	1.53 H	351	36.3	14.0
6	10640.00	36.8 AV	54.0	-17.2	1.53 H	351	22.8	14.0
7	15960.00	48.7 PK	74.0	-25.3	1.39 H	0	35.2	13.5
8	15960.00	35.8 AV	54.0	-18.2	1.39 H	0	22.3	13.5

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	105.0 PK			1.80 V	360	100.7	4.3
2	*5320.00	93.8 AV			1.80 V	360	89.5	4.3
3	5350.00	66.0 PK	74.0	-8.0	1.80 V	360	61.6	4.4
4	5350.00	50.1 AV	54.0	-3.9	1.80 V	360	45.7	4.4
5	10640.00	49.8 PK	74.0	-24.2	2.12 V	333	35.8	14.0
6	10640.00	36.6 AV	54.0	-17.4	2.12 V	333	22.6	14.0
7	15960.00	48.6 PK	74.0	-25.4	2.26 V	351	35.1	13.5
8	15960.00	36.0 AV	54.0	-18.0	2.26 V	351	22.5	13.5

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	67.6 PK	74.0	-6.4	2.50 H	48	63.1	4.5
2	#5470.00	51.5 AV	54.0	-2.5	2.50 H	48	47.0	4.5
3	*5500.00	105.7 PK			2.50 H	48	101.2	4.5
4	*5500.00	94.8 AV			2.50 H	48	90.3	4.5
5	11000.00	49.6 PK	74.0	-24.4	1.56 H	360	34.8	14.8
6	11000.00	36.6 AV	54.0	-17.4	1.56 H	360	21.8	14.8
7	#16500.00	48.7 PK	74.0	-25.3	1.47 H	8	33.1	15.6
8	#16500.00	35.9 AV	54.0	-18.1	1.47 H	8	20.3	15.6

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	63.4 PK	74.0	-10.6	1.81 V	360	58.9	4.5
2	#5470.00	47.8 AV	54.0	-6.2	1.81 V	360	43.3	4.5
3	*5500.00	101.8 PK			1.81 V	360	97.3	4.5
4	*5500.00	90.8 AV			1.81 V	360	86.3	4.5
5	11000.00	49.9 PK	74.0	-24.1	2.22 V	350	35.1	14.8
6	11000.00	36.6 AV	54.0	-17.4	2.22 V	350	21.8	14.8
7	#16500.00	48.0 PK	74.0	-26.0	2.25 V	360	32.4	15.6
8	#16500.00	35.4 AV	54.0	-18.6	2.25 V	360	19.8	15.6

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	107.0 PK			2.50 H	57	102.4	4.6
2	*5580.00	96.1 AV			2.50 H	57	91.5	4.6
3	11160.00	50.5 PK	74.0	-23.5	1.53 H	360	36.1	14.4
4	11160.00	37.1 AV	54.0	-16.9	1.53 H	360	22.7	14.4
5	#16740.00	47.9 PK	74.0	-26.1	1.49 H	0	31.4	16.5
6	#16740.00	35.4 AV	54.0	-18.6	1.49 H	0	18.9	16.5

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	103.1 PK			1.80 V	360	98.5	4.6
2	*5580.00	92.1 AV			1.80 V	360	87.5	4.6
3	11160.00	49.7 PK	74.0	-24.3	2.13 V	332	35.3	14.4
4	11160.00	36.0 AV	54.0	-18.0	2.13 V	332	21.6	14.4
5	#16740.00	49.0 PK	74.0	-25.0	2.27 V	354	32.5	16.5
6	#16740.00	36.1 AV	54.0	-17.9	2.27 V	354	19.6	16.5

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	104.6 PK			2.50 H	58	99.8	4.8
2	*5700.00	93.1 AV			2.50 H	58	88.3	4.8
3	#5725.00	68.5 PK	74.0	-5.5	2.50 H	58	63.6	4.9
4	#5725.00	50.5 AV	54.0	-3.5	2.50 H	58	45.6	4.9
5	11400.00	49.9 PK	74.0	-24.1	1.46 H	360	35.5	14.4
6	11400.00	36.5 AV	54.0	-17.5	1.46 H	360	22.1	14.4
7	#17100.00	49.0 PK	74.0	-25.0	1.45 H	0	30.5	18.5
8	#17100.00	36.2 AV	54.0	-17.8	1.45 H	0	17.7	18.5

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	100.7 PK			1.74 V	355	95.9	4.8
2	*5700.00	89.1 AV			1.74 V	355	84.3	4.8
3	#5725.00	64.3 PK	74.0	-9.7	1.74 V	355	59.4	4.9
4	#5725.00	46.8 AV	54.0	-7.2	1.74 V	355	41.9	4.9
5	11400.00	50.2 PK	74.0	-23.8	2.15 V	350	35.8	14.4
6	11400.00	36.6 AV	54.0	-17.4	2.15 V	350	22.2	14.4
7	#17100.00	48.7 PK	74.0	-25.3	2.19 V	360	30.2	18.5
8	#17100.00	36.1 AV	54.0	-17.9	2.19 V	360	17.6	18.5

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) – Pre-Amplifier 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 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5574.72	52.2 PK	68.2	-16.0	2.50 H	314	47.6	4.6
2	*5745.00	106.4 PK			2.50 H	314	101.4	5.0
3	*5745.00	95.5 AV			2.50 H	314	90.5	5.0
4	#6012.41	52.2 PK	68.2	-16.0	2.50 H	314	46.5	5.7
5	11490.00	50.1 PK	74.0	-23.9	1.50 H	360	36.0	14.1
6	11490.00	36.9 AV	54.0	-17.1	1.50 H	360	22.8	14.1
7	#17235.00	48.4 PK	74.0	-25.6	1.48 H	7	30.1	18.3
8	#17235.00	35.7 AV	54.0	-18.3	1.48 H	7	17.4	18.3

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	#5576.83	51.9 PK	68.2	-16.3	2.37 V	334	47.3	4.6
2	*5745.00	98.9 PK			2.37 V	334	93.9	5.0
3	*5745.00	88.0 AV			2.37 V	334	83.0	5.0
4	#6001.55	51.6 PK	68.2	-16.6	2.37 V	334	46.0	5.6
5	11490.00	49.9 PK	74.0	-24.1	2.20 V	330	35.8	14.1
6	11490.00	36.5 AV	54.0	-17.5	2.20 V	330	22.4	14.1
7	#17235.00	48.5 PK	74.0	-25.5	2.21 V	360	30.2	18.3
8	#17235.00	35.8 AV	54.0	-18.2	2.21 V	360	17.5	18.3

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) – Pre-Amplifier 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 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5564.25	52.0 PK	68.2	-16.2	2.48 H	326	47.4	4.6
2	*5785.00	106.3 PK			2.48 H	326	101.3	5.0
3	*5785.00	95.3 AV			2.48 H	326	90.3	5.0
4	#5993.07	51.9 PK	68.2	-16.3	2.48 H	326	46.3	5.6
5	11570.00	49.6 PK	74.0	-24.4	1.48 H	360	35.6	14.0
6	11570.00	36.5 AV	54.0	-17.5	1.48 H	360	22.5	14.0
7	#17355.00	48.8 PK	74.0	-25.2	1.42 H	16	29.9	18.9
8	#17355.00	36.3 AV	54.0	-17.7	1.42 H	16	17.4	18.9

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	#5593.97	50.9 PK	68.2	-17.3	2.40 V	326	46.3	4.6
2	*5785.00	98.6 PK			2.40 V	326	93.6	5.0
3	*5785.00	87.9 AV			2.40 V	326	82.9	5.0
4	#5964.86	52.2 PK	68.2	-16.0	2.40 V	326	46.7	5.5
5	11570.00	49.3 PK	74.0	-24.7	2.18 V	326	35.3	14.0
6	11570.00	35.9 AV	54.0	-18.1	2.18 V	326	21.9	14.0
7	#17355.00	48.1 PK	74.0	-25.9	2.18 V	358	29.2	18.9
8	#17355.00	35.6 AV	54.0	-18.4	2.18 V	358	16.7	18.9

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) – Pre-Amplifier 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 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5602.44	51.6 PK	68.2	-16.6	2.48 H	332	47.0	4.6
2	*5825.00	105.5 PK			2.48 H	332	100.3	5.2
3	*5825.00	94.6 AV			2.48 H	332	89.4	5.2
4	#5980.31	51.9 PK	68.2	-16.3	2.48 H	332	46.4	5.5
5	11650.00	50.0 PK	74.0	-24.0	1.54 H	360	35.9	14.1
6	11650.00	36.7 AV	54.0	-17.3	1.54 H	360	22.6	14.1
7	#17475.00	48.6 PK	74.0	-25.4	1.49 H	24	28.9	19.7
8	#17475.00	35.8 AV	54.0	-18.2	1.49 H	24	16.1	19.7

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	#5631.53	50.9 PK	68.2	-17.3	2.40 V	340	46.1	4.8
2	*5825.00	99.2 PK			2.40 V	340	94.0	5.2
3	*5825.00	88.8 AV			2.40 V	340	83.6	5.2
4	#5966.77	52.1 PK	68.2	-16.1	2.40 V	340	46.6	5.5
5	11650.00	49.3 PK	74.0	-24.7	2.13 V	340	35.2	14.1
6	11650.00	36.0 AV	54.0	-18.0	2.13 V	340	21.9	14.1
7	#17475.00	48.5 PK	74.0	-25.5	2.25 V	360	28.8	19.7
8	#17475.00	35.5 AV	54.0	-18.5	2.25 V	360	15.8	19.7

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) – Pre-Amplifier 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 (HT40)

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

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	66.6 PK	74.0	-7.4	2.48 H	67	62.6	4.0
2	5150.00	53.7 AV	54.0	-0.3	2.48 H	67	49.7	4.0
3	*5190.00	102.6 PK			2.48 H	67	98.6	4.0
4	*5190.00	92.9 AV			2.48 H	67	88.9	4.0
5	5350.00	51.0 PK	74.0	-23.0	2.48 H	67	46.6	4.4
6	5350.00	39.0 AV	54.0	-15.0	2.48 H	67	34.6	4.4
7	#10380.00	50.0 PK	74.0	-24.0	1.54 H	360	36.4	13.6
8	#10380.00	37.0 AV	54.0	-17.0	1.54 H	360	23.4	13.6
9	15570.00	49.1 PK	74.0	-24.9	1.48 H	25	35.8	13.3
10	15570.00	36.3 AV	54.0	-17.7	1.48 H	25	23.0	13.3

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	5150.00	62.4 PK	74.0	-11.6	1.76 V	358	58.4	4.0
2	5150.00	50.0 AV	54.0	-4.0	1.76 V	358	46.0	4.0
3	*5190.00	98.7 PK			1.76 V	358	94.7	4.0
4	*5190.00	88.9 AV			1.76 V	358	84.9	4.0
5	5350.00	50.6 PK	74.0	-23.4	1.76 V	358	46.2	4.4
6	5350.00	37.4 AV	54.0	-16.6	1.76 V	358	33.0	4.4
7	#10380.00	49.9 PK	74.0	-24.1	2.13 V	341	36.3	13.6
8	#10380.00	36.3 AV	54.0	-17.7	2.13 V	341	22.7	13.6
9	15570.00	48.2 PK	74.0	-25.8	2.28 V	357	34.9	13.3
10	15570.00	35.5 AV	54.0	-18.5	2.28 V	357	22.2	13.3

REMARKS:

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

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

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	*5230.00	105.5 PK			2.48 H	46	101.3	4.2
2	*5230.00	96.5 AV			2.48 H	46	92.3	4.2
3	5350.00	53.5 PK	74.0	-20.5	2.48 H	46	49.1	4.4
4	5350.00	41.5 AV	54.0	-12.5	2.48 H	46	37.1	4.4
5	#10460.00	49.9 PK	74.0	-24.1	1.46 H	360	36.2	13.7
6	#10460.00	36.8 AV	54.0	-17.2	1.46 H	360	23.1	13.7
7	15690.00	48.6 PK	74.0	-25.4	1.39 H	21	34.6	14.0
8	15690.00	36.0 AV	54.0	-18.0	1.39 H	21	22.0	14.0

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	*5230.00	101.6 PK			1.79 V	360	97.4	4.2
2	*5230.00	92.5 AV			1.79 V	360	88.3	4.2
3	5350.00	49.3 PK	74.0	-24.7	1.79 V	360	44.9	4.4
4	5350.00	37.8 AV	54.0	-16.2	1.79 V	360	33.4	4.4
5	#10460.00	49.8 PK	74.0	-24.2	2.10 V	335	36.1	13.7
6	#10460.00	36.2 AV	54.0	-17.8	2.10 V	335	22.5	13.7
7	15690.00	48.4 PK	74.0	-25.6	2.26 V	360	34.4	14.0
8	15690.00	35.9 AV	54.0	-18.1	2.26 V	360	21.9	14.0

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	51.8 PK	74.0	-22.2	2.48 H	50	47.8	4.0
2	5150.00	39.5 AV	54.0	-14.5	2.48 H	50	35.5	4.0
3	*5270.00	105.4 PK			2.48 H	50	101.2	4.2
4	*5270.00	96.3 AV			2.48 H	50	92.1	4.2
5	5350.00	59.7 PK	74.0	-14.3	2.48 H	50	55.3	4.4
6	5350.00	46.5 AV	54.0	-7.5	2.48 H	50	42.1	4.4
7	#10540.00	50.4 PK	74.0	-23.6	1.48 H	360	36.7	13.7
8	#10540.00	36.9 AV	54.0	-17.1	1.48 H	360	23.2	13.7
9	15810.00	48.8 PK	74.0	-25.2	1.42 H	22	34.8	14.0
10	15810.00	36.1 AV	54.0	-17.9	1.42 H	22	22.1	14.0

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	5150.00	50.6 PK	74.0	-23.4	1.75 V	360	46.6	4.0
2	5150.00	37.5 AV	54.0	-16.5	1.75 V	360	33.5	4.0
3	*5270.00	101.5 PK			1.75 V	360	97.3	4.2
4	*5270.00	92.3 AV			1.75 V	360	88.1	4.2
5	5350.00	55.5 PK	74.0	-18.5	1.75 V	360	51.1	4.4
6	5350.00	42.8 AV	54.0	-11.2	1.75 V	360	38.4	4.4
7	#10540.00	49.8 PK	74.0	-24.2	2.16 V	348	36.1	13.7
8	#10540.00	36.5 AV	54.0	-17.5	2.16 V	348	22.8	13.7
9	15810.00	48.5 PK	74.0	-25.5	2.24 V	360	34.5	14.0
10	15810.00	35.7 AV	54.0	-18.3	2.24 V	360	21.7	14.0

REMARKS:

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

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

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	103.7 PK			2.48 H	50	99.4	4.3
2	*5310.00	94.2 AV			2.48 H	50	89.9	4.3
3	5350.00	72.6 PK	74.0	-1.4	2.48 H	50	68.2	4.4
4	5350.00	53.7 AV	54.0	-0.3	2.48 H	50	49.3	4.4
5	10620.00	50.0 PK	74.0	-24.0	1.49 H	351	36.1	13.9
6	10620.00	37.0 AV	54.0	-17.0	1.49 H	351	23.1	13.9
7	15930.00	48.7 PK	74.0	-25.3	1.46 H	13	35.4	13.3
8	15930.00	35.7 AV	54.0	-18.3	1.46 H	13	22.4	13.3

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	*5310.00	99.8 PK			1.71 V	342	95.5	4.3
2	*5310.00	90.2 AV			1.71 V	342	85.9	4.3
3	5350.00	68.4 PK	74.0	-5.6	1.71 V	342	64.0	4.4
4	5350.00	50.0 AV	54.0	-4.0	1.71 V	342	45.6	4.4
5	10620.00	49.8 PK	74.0	-24.2	2.22 V	333	35.9	13.9
6	10620.00	36.4 AV	54.0	-17.6	2.22 V	333	22.5	13.9
7	15930.00	48.2 PK	74.0	-25.8	2.26 V	360	34.9	13.3
8	15930.00	35.3 AV	54.0	-18.7	2.26 V	360	22.0	13.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

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

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	68.6 PK	74.0	-5.4	1.76 H	50	64.1	4.5
2	#5470.00	53.7 AV	54.0	-0.3	1.76 H	50	49.2	4.5
3	*5510.00	102.3 PK			1.76 H	50	97.7	4.6
4	*5510.00	93.0 AV			1.76 H	50	88.4	4.6
5	11020.00	50.2 PK	74.0	-23.8	1.48 H	360	35.5	14.7
6	11020.00	37.0 AV	54.0	-17.0	1.48 H	360	22.3	14.7
7	#16530.00	48.9 PK	74.0	-25.1	1.38 H	5	33.1	15.8
8	#16530.00	36.3 AV	54.0	-17.7	1.38 H	5	20.5	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	#5470.00	64.4 PK	74.0	-9.6	1.76 V	350	59.9	4.5
2	#5470.00	50.0 AV	54.0	-4.0	1.76 V	350	45.5	4.5
3	*5510.00	98.4 PK			1.76 V	350	93.8	4.6
4	*5510.00	89.0 AV			1.76 V	350	84.4	4.6
5	11020.00	49.6 PK	74.0	-24.4	2.21 V	331	34.9	14.7
6	11020.00	36.4 AV	54.0	-17.6	2.21 V	331	21.7	14.7
7	#16530.00	48.4 PK	74.0	-25.6	2.19 V	355	32.6	15.8
8	#16530.00	36.0 AV	54.0	-18.0	2.19 V	355	20.2	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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	103.3 PK			1.76 H	47	98.8	4.5
2	*5550.00	94.6 AV			1.76 H	47	90.1	4.5
3	11100.00	50.3 PK	74.0	-23.7	1.51 H	351	35.9	14.4
4	11100.00	37.2 AV	54.0	-16.8	1.51 H	351	22.8	14.4
5	#16650.00	48.4 PK	74.0	-25.6	1.50 H	11	32.0	16.4
6	#16650.00	35.8 AV	54.0	-18.2	1.50 H	11	19.4	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	*5550.00	99.4 PK			1.80 V	348	94.9	4.5
2	*5550.00	90.6 AV			1.80 V	348	86.1	4.5
3	11100.00	49.8 PK	74.0	-24.2	2.17 V	326	35.4	14.4
4	11100.00	36.4 AV	54.0	-17.6	2.17 V	326	22.0	14.4
5	#16650.00	48.4 PK	74.0	-25.6	2.25 V	360	32.0	16.4
6	#16650.00	36.0 AV	54.0	-18.0	2.25 V	360	19.6	16.4

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) – Pre-Amplifier 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	101.5 PK			1.99 H	51	96.7	4.8
2	*5670.00	92.4 AV			1.99 H	51	87.6	4.8
3	#5725.00	59.0 PK	74.0	-15.0	1.99 H	51	54.1	4.9
4	#5725.00	46.2 AV	54.0	-7.8	1.99 H	51	41.3	4.9
5	11340.00	50.1 PK	74.0	-23.9	1.48 H	351	35.7	14.4
6	11340.00	36.7 AV	54.0	-17.3	1.48 H	351	22.3	14.4
7	#17010.00	48.9 PK	74.0	-25.1	1.44 H	11	30.7	18.2
8	#17010.00	36.2 AV	54.0	-17.8	1.44 H	11	18.0	18.2

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	*5670.00	97.6 PK			1.85 V	333	92.8	4.8
2	*5670.00	88.4 AV			1.85 V	333	83.6	4.8
3	#5725.00	54.8 PK	74.0	-19.2	1.85 V	333	49.9	4.9
4	#5725.00	42.5 AV	54.0	-11.5	1.85 V	333	37.6	4.9
5	11340.00	49.4 PK	74.0	-24.6	2.21 V	324	35.0	14.4
6	11340.00	36.3 AV	54.0	-17.7	2.21 V	324	21.9	14.4
7	#17010.00	48.1 PK	74.0	-25.9	2.27 V	360	29.9	18.2
8	#17010.00	35.4 AV	54.0	-18.6	2.27 V	360	17.2	18.2

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) – Pre-Amplifier 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 151	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5651.35	56.7 PK	69.2	-12.5	1.99 H	323	52.0	4.7
2	*5755.00	102.0 PK			1.99 H	323	97.0	5.0
3	*5755.00	93.0 AV			1.99 H	323	88.0	5.0
4	#5950.89	52.6 PK	68.2	-15.6	1.99 H	323	47.2	5.4
5	11510.00	50.1 PK	74.0	-23.9	1.47 H	347	36.1	14.0
6	11510.00	36.6 AV	54.0	-17.4	1.47 H	347	22.6	14.0
7	#17265.00	49.0 PK	74.0	-25.0	1.45 H	10	30.5	18.5
8	#17265.00	36.1 AV	54.0	-17.9	1.45 H	10	17.6	18.5

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	#5644.66	51.8 PK	68.2	-16.4	2.43 V	326	47.0	4.8
2	*5755.00	95.5 PK			2.43 V	326	90.5	5.0
3	*5755.00	86.4 AV			2.43 V	326	81.4	5.0
4	#5996.86	51.5 PK	68.2	-16.7	2.43 V	326	45.9	5.6
5	11510.00	49.0 PK	74.0	-25.0	2.15 V	322	35.0	14.0
6	11510.00	35.8 AV	54.0	-18.2	2.15 V	322	21.8	14.0
7	#17265.00	49.0 PK	74.0	-25.0	2.22 V	360	30.5	18.5
8	#17265.00	36.1 AV	54.0	-17.9	2.22 V	360	17.6	18.5

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) – Pre-Amplifier 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 159	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	#5627.81	51.7 PK	68.2	-16.5	1.99 H	325	47.0	4.7
2	*5795.00	101.5 PK			1.99 H	325	96.4	5.1
3	*5795.00	92.4 AV			1.99 H	325	87.3	5.1
4	#6003.93	51.1 PK	68.2	-17.1	1.99 H	325	45.4	5.7
5	11590.00	50.3 PK	74.0	-23.7	1.49 H	360	36.3	14.0
6	11590.00	37.3 AV	54.0	-16.7	1.49 H	360	23.3	14.0
7	#17385.00	49.0 PK	74.0	-25.0	1.48 H	15	29.9	19.1
8	#17385.00	36.3 AV	54.0	-17.7	1.48 H	15	17.2	19.1

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	#5577.99	51.4 PK	68.2	-16.8	2.43 V	340	46.8	4.6
2	*5795.00	95.1 PK			2.43 V	340	90.0	5.1
3	*5795.00	86.0 AV			2.43 V	340	80.9	5.1
4	#6014.25	52.1 PK	68.2	-16.1	2.43 V	340	46.4	5.7
5	11590.00	50.2 PK	74.0	-23.8	2.22 V	324	36.2	14.0
6	11590.00	36.6 AV	54.0	-17.4	2.22 V	324	22.6	14.0
7	#17385.00	48.1 PK	74.0	-25.9	2.21 V	360	29.0	19.1
8	#17385.00	35.5 AV	54.0	-18.5	2.21 V	360	16.4	19.1

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) – Pre-Amplifier 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 Data:

802.11a

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

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	58.74	26.5 QP	40.0	-13.5	1.05 H	143	34.8	-8.3
2	300.00	37.6 QP	46.0	-8.4	1.50 H	287	45.2	-7.6
3	350.00	33.2 QP	46.0	-12.8	2.00 H	118	39.8	-6.6
4	450.01	32.6 QP	46.0	-13.4	1.56 H	255	36.2	-3.6
5	750.01	34.9 QP	46.0	-11.1	1.06 H	224	32.7	2.2
6	897.42	32.6 QP	46.0	-13.4	1.06 H	187	28.8	3.8

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	50.02	34.1 QP	40.0	-5.9	1.50 V	113	42.2	-8.1
2	138.23	26.4 QP	43.5	-17.1	1.50 V	203	34.7	-8.3
3	300.00	32.7 QP	46.0	-13.3	1.16 V	224	40.3	-7.6
4	350.00	31.5 QP	46.0	-14.5	1.23 V	183	38.1	-6.6
5	600.02	31.3 QP	46.0	-14.7	1.06 V	89	31.7	-0.4
6	750.03	33.5 QP	46.0	-12.5	1.50 V	226	31.3	2.2

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) – Pre-Amplifier 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.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver R&S	ESCS 30	847124/029	Oct. 24, 2016	Oct. 23, 2017
Line-Impedance Stabilization Network (for EUT) R&S	ESH3-Z5	848773/004	Oct. 26, 2016	Oct. 25, 2017
Line-Impedance Stabilization Network (for Peripheral) R&S	ENV216	100072	June 03, 2017	June 02, 2018
50 ohms Terminator	N/A	EMC-02	Sep. 29, 2016	Sep. 28, 2017
RF Cable	5D-FB	COCCAB-001	Sep. 30, 2016	Sep. 29, 2017
10 dB PAD Mini-Circuits	HAT-10+	CONATT-004	June 18, 2017	June 17, 2018
Software BVADT	BVADT_Cond_ V7.3.7.4	NA	NA	NA

Note:

1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Shielded Room No. 1.
3. Tested Date: Sep. 16, 2017

4.2.3 Test Procedure

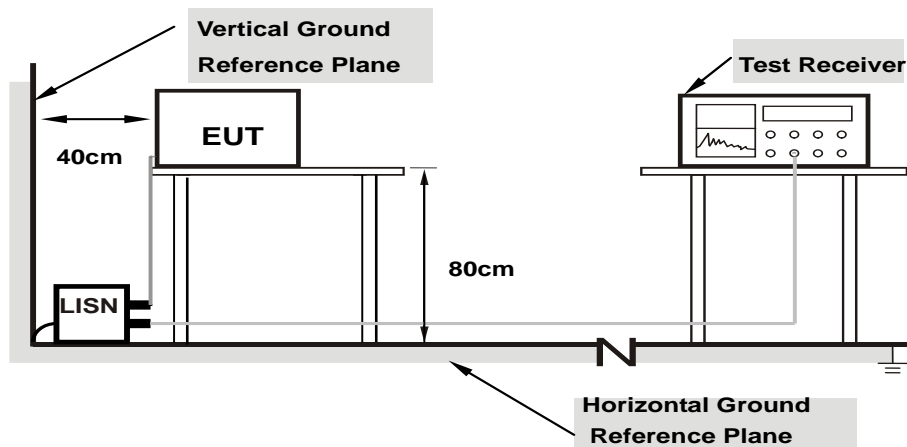
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

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 Condition

Same as 4.1.6.

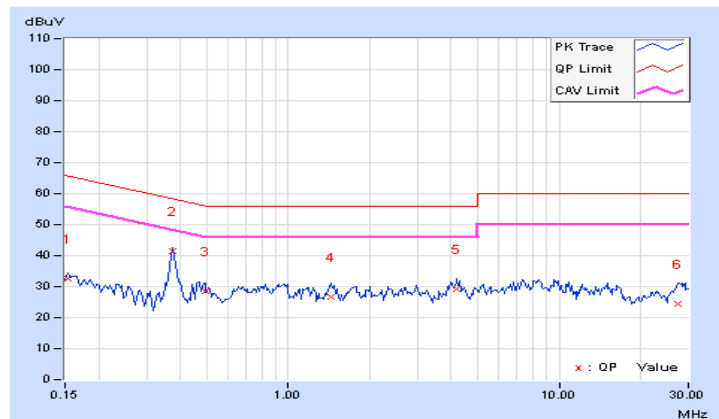
4.2.7 Test Results

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.15391	10.08	22.59	13.76	32.67	23.84	65.79	55.79	-33.12	-31.95
2	0.37266	10.11	31.30	29.84	41.41	39.95	58.44	48.44	-17.03	-8.49
3	0.49375	10.13	18.57	9.83	28.70	19.96	56.10	46.10	-27.40	-26.14
4	1.44141	10.16	16.45	9.36	26.61	19.52	56.00	46.00	-29.39	-26.48
5	4.21094	10.38	18.92	13.03	29.30	23.41	56.00	46.00	-26.70	-22.59
6	27.31641	11.70	12.86	6.32	24.56	18.02	60.00	50.00	-35.44	-31.98

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.

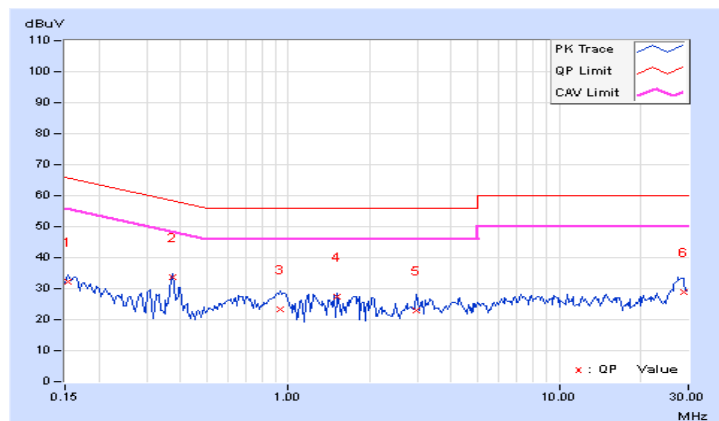


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
	[MHz]	Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
		(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	10.07	22.03	8.27	32.10	18.34	65.79	55.79	-33.69	-37.45
2	0.37656	10.11	23.45	16.47	33.56	26.58	58.35	48.35	-24.79	-21.77
3	0.93516	10.12	13.30	4.67	23.42	14.79	56.00	46.00	-32.58	-31.21
4	1.52344	10.17	17.14	7.46	27.31	17.63	56.00	46.00	-28.69	-28.37
5	2.97656	10.24	12.62	4.81	22.86	15.05	56.00	46.00	-33.14	-30.95
6	28.80078	11.29	17.72	7.43	29.01	18.72	60.00	50.00	-30.99	-31.28

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.



4.3 Transmit Power Measurement

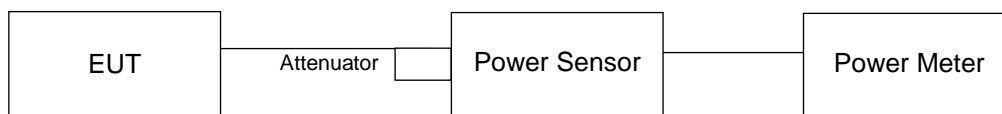
4.3.1 Limits of Transmit Power Measurement

Operation Band	EUT Category		Limit
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p \leq 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
	√	Mobile and Portable client device	250mW (24 dBm)
U-NII-2A		√	250mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C		√	250mW (24 dBm) or 11 dBm+10 log B*
U-NII-3		√	1 Watt (30 dBm)

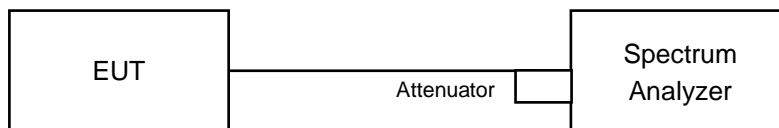
*B is the 26 dB emission bandwidth in megahertz

4.3.2 Test Setup

FOR POWER OUTPUT MEASUREMENT



FOR 26dB OCCUPIED BANDWIDTH



4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.4 Test Procedure

For Average Power Measurement

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

For 26dB Occupied Bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 Test Result

802.11a

Power Output:

Channel	Channel Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass/Fail
36	5180	69.343	18.41	24	Pass
40	5200	68.391	18.35	24	Pass
48	5240	63.533	18.03	24	Pass
52	5260	68.549	18.36	24	Pass
60	5300	69.343	18.41	24	Pass
64	5320	68.391	18.35	24	Pass
100	5500	42.364	16.27	24	Pass
116	5580	63.241	18.01	24	Pass
140	5700	28.642	14.57	24	Pass
149	5745	66.988	18.26	30	Pass
157	5785	66.988	18.26	30	Pass
165	5825	62.951	17.99	30	Pass

26dB BANDWIDTH:

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
52	5260	33.67
60	5300	33.89
64	5320	33.68
100	5500	23.94
116	5580	30.72
140	5700	21.94

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	33.67	26.27 > 24
60	5300	33.89	26.3 > 24
64	5320	33.68	26.27 > 24
100	5500	23.94	24.79 > 24
116	5580	30.72	25.87 > 24
140	5700	21.94	24.41 > 24

802.11n (HT20)

Power Output:

Channel	Channel Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass/Fail
36	5180	41.783	16.21	24	Pass
40	5200	65.163	18.14	24	Pass
48	5240	35.075	15.45	24	Pass
52	5260	63.241	18.01	24	Pass
60	5300	66.222	18.21	24	Pass
64	5320	65.615	18.17	24	Pass
100	5500	43.251	16.36	24	Pass
116	5580	64.121	18.07	24	Pass
140	5700	31.261	14.95	24	Pass
149	5745	62.806	17.98	30	Pass
157	5785	62.951	17.99	30	Pass
165	5825	62.661	17.97	30	Pass

26dB BANDWIDTH:

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
52	5260	37.43
60	5300	35.34
64	5320	35.43
100	5500	26.28
116	5580	34.12
140	5700	22.32

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	37.43	26.73 > 24
60	5300	35.34	26.48 > 24
64	5320	35.43	26.49 > 24
100	5500	26.28	25.19 > 24
116	5580	34.12	26.33 > 24
140	5700	22.32	24.48 > 24

802.11n (HT40)

Power Output:

Channel	Channel Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass/Fail
38	5190	33.189	15.21	24	Pass
46	5230	56.624	17.53	24	Pass
54	5270	62.806	17.98	24	Pass
62	5310	28.249	14.51	24	Pass
102	5510	21.777	13.38	24	Pass
110	5550	39.084	15.92	24	Pass
134	5670	36.898	15.67	24	Pass
151	5755	57.943	17.63	24	Pass
159	5795	55.847	17.47	24	Pass

26dB BANDWIDTH:

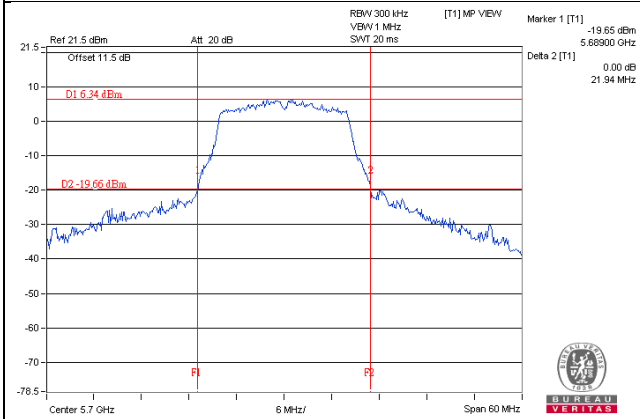
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
54	5270	84.35
62	5310	62.25
102	5510	45.22
110	5550	73.74
134	5670	74.41

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

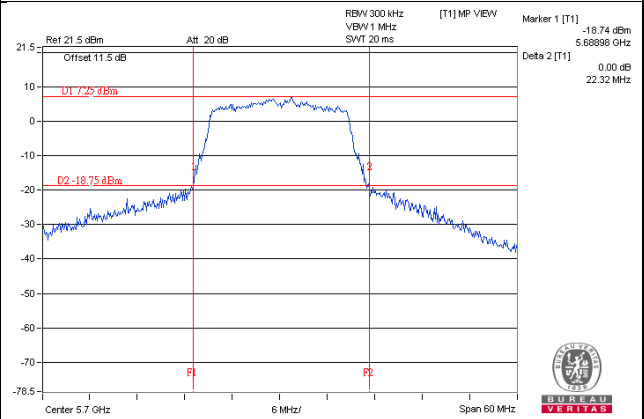
Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	84.35	30.26 > 24
62	5310	62.25	28.94 > 24
102	5510	45.22	27.55 > 24
110	5550	73.74	29.67 > 24
134	5670	74.41	29.71 > 24

Spectrum Plot of Worst Value

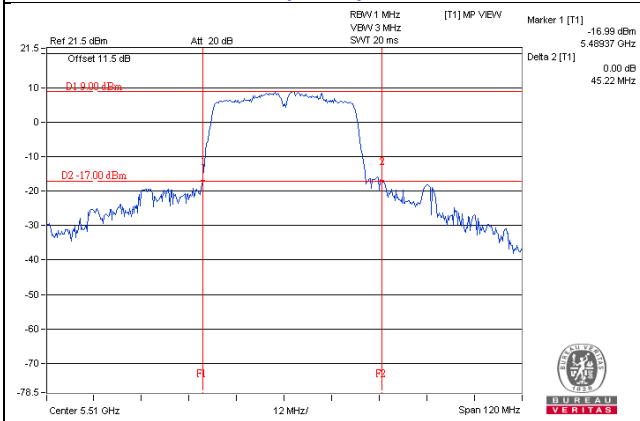
802.11a / CH140



802.11n (HT20) / CH140

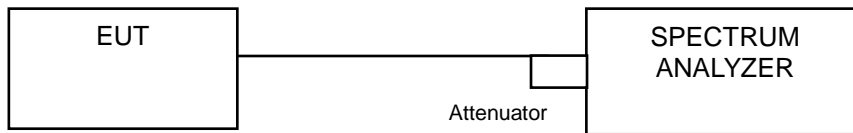


802.11n (HT40) / CH102



4.4 Occupied Bandwidth Measurement

4.4.1 Test Setup



4.4.2 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.3 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to SAMPLE. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 %of the total mean power of a given emission.

4.4.4 Test Results

802.11a

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.84
40	5200	19.32
48	5240	18.72
52	5260	18.84
60	5300	18.48
64	5320	18.60
100	5500	17.04
116	5580	17.28
140	5700	16.92
149	5745	21.84
157	5785	19.80
165	5825	19.68

802.11n (HT20)

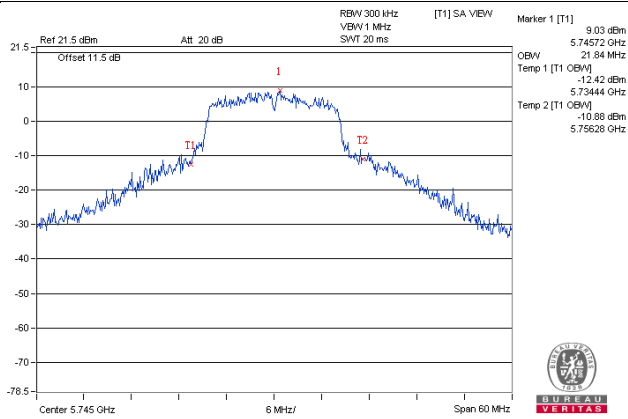
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.48
40	5200	19.20
48	5240	18.00
52	5260	19.56
60	5300	18.72
64	5320	18.84
100	5500	18.12
116	5580	18.60
140	5700	18.00
149	5745	21.84
157	5785	21.24
165	5825	20.88

802.11n (HT40)

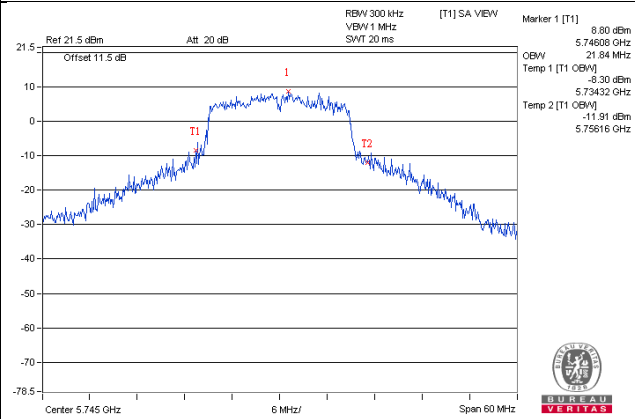
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)
38	5190	36.96
46	5230	38.64
54	5270	39.84
62	5310	36.48
102	5510	36.48
110	5550	36.72
134	5670	36.96
151	5755	39.84
159	5795	39.84

Spectrum Plot of Worst Value

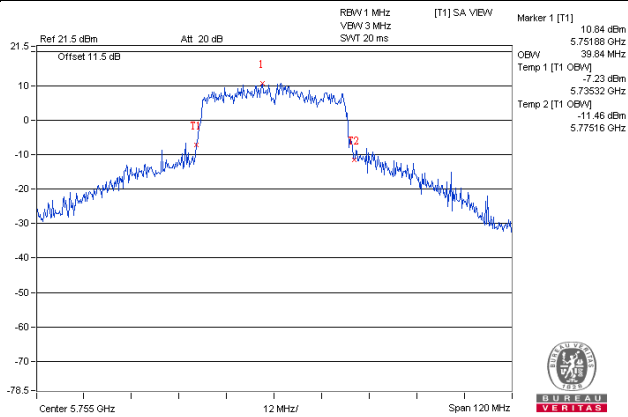
802.11a / CH149



802.11n (HT20) / CH149

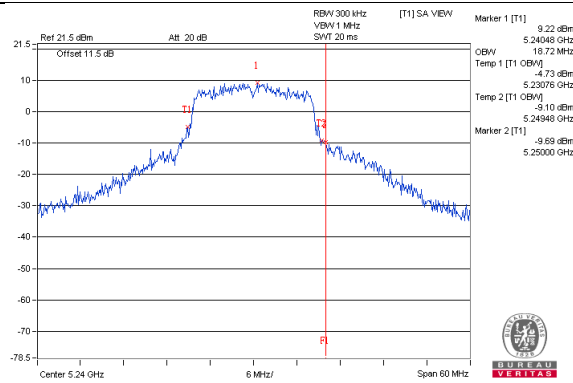


802.11n (HT40) / CH151

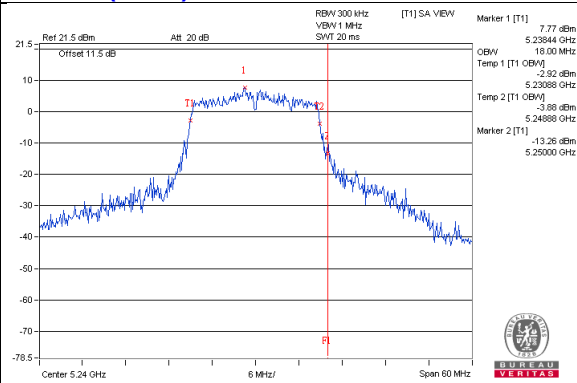


Spectrum Plot for near by DFS band (DFS is required, if 99% OCP straddle into U-NII-2A band)

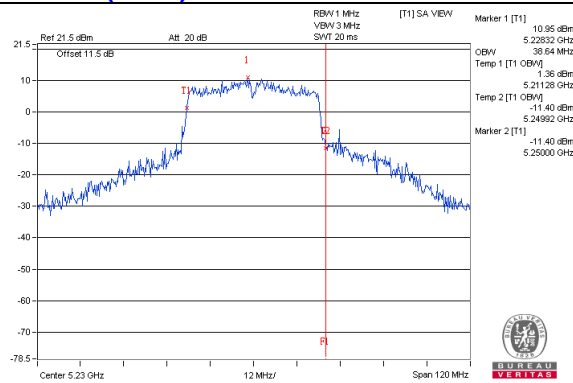
802.11a: CH48



802.11n (HT20): CH48

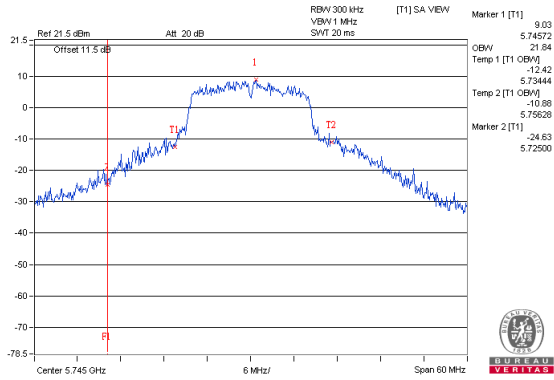


802.11n (HT40): CH46

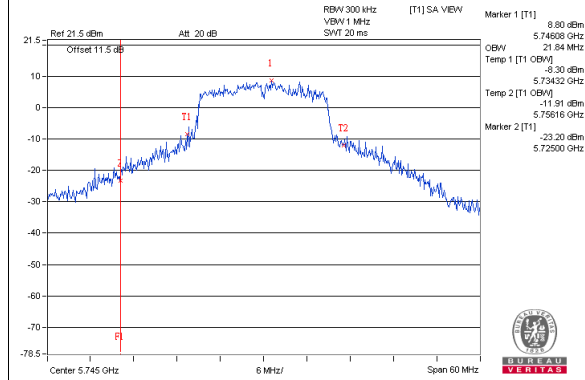


Spectrum Plot for near by DFS band (DFS is required, if 99% OCP straddle into U-NII-2C band)

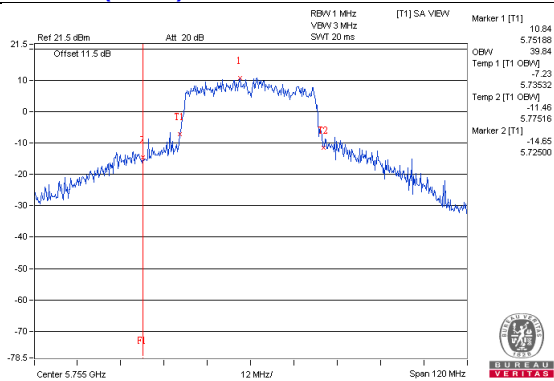
802.11a: CH149



802.11n (HT20): CH149



802.11n (HT40): CH151

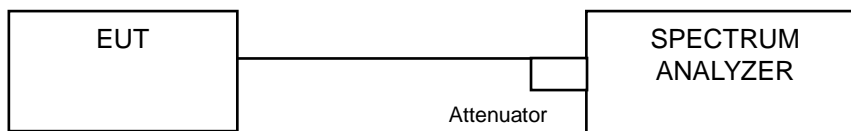


4.5 Peak Power Spectral Density Measurement

4.5.1 Limits of Peak Power Spectral Density Measurement

Operation Band	EUT Category		Limit
U-NII-1		Outdoor Access Point	17dBm/ MHz
		Fixed point-to-point Access Point	
		Indoor Access Point	
	√	Mobile and Portable client device	11dBm/ MHz
U-NII-2A		√	11dBm/ MHz
U-NII-2C		√	11dBm/ MHz
U-NII-3		√	30dBm/ 500kHz

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedure

802.11a

For U-NII-1, U-NII-2A, U-NII-2C:

Using method SA-1

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz, Set VBW \geq 3 MHz, Detector = RMS
3. Sweep time = auto, trigger set to "free run".
4. Trace average at least 100 traces in power averaging mode.
5. Record the max value

For U-NII-3:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 300 kHz, Set VBW \geq 1 MHz, Detector = RMS
3. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
4. Scale the observed power level to an equivalent value in 500 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(500 \text{ kHz}/300\text{kHz})$
5. Sweep time = auto, trigger set to "free run".
6. Trace average at least 100 traces in power averaging mode.
7. Record the max value

802.11n (HT20), 802.11n (HT40)

For U-NII-1, U-NII-2A, U-NII-2C:

Using method SA-2

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz, Set VBW \geq 3 MHz, Detector = RMS
3. Sweep time = auto, trigger set to "free run".
4. Trace average at least 100 traces in power averaging mode.
5. Record the max value and add $10 \log (1/\text{duty cycle})$

For U-NII-3:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 300 kHz, Set VBW \geq 1 MHz, Detector = RMS
3. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
4. Scale the observed power level to an equivalent value in 500 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(500 \text{ kHz}/300\text{kHz})$
5. Sweep time = auto, trigger set to "free run".
6. Trace average at least 100 traces in power averaging mode.
7. Record the max value and add $10 \log (1/\text{duty cycle})$

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Condition

Same as Item 4.3.6.

4.5.7 Test Results

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
36	5180	5.88	11.00	Pass
40	5200	6.13	11.00	Pass
48	5240	5.99	11.00	Pass
52	5260	5.66	11.00	Pass
60	5300	5.90	11.00	Pass
64	5320	5.96	11.00	Pass
100	5500	3.80	11.00	Pass
120	5600	4.31	11.00	Pass
140	5700	1.84	11.00	Pass

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
36	5180	3.05	0.16	3.21	11.00	Pass
40	5200	4.45	0.16	4.61	11.00	Pass
48	5240	3.10	0.16	3.26	11.00	Pass
52	5260	5.42	0.16	5.58	11.00	Pass
60	5300	5.35	0.16	5.51	11.00	Pass
64	5320	5.71	0.16	5.87	11.00	Pass
100	5500	4.08	0.16	4.24	11.00	Pass
120	5600	4.82	0.16	4.98	11.00	Pass
140	5700	1.90	0.16	2.06	11.00	Pass

Note: 1. Refer to section 3.3 for duty cycle spectrum plot.

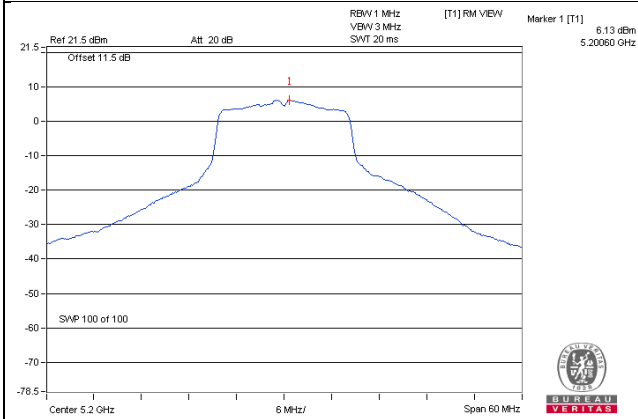
802.11n (HT40)

Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
38	5190	-0.32	0.15	-0.17	11.00	Pass
46	5230	1.58	0.15	1.73	11.00	Pass
54	5270	1.94	0.15	2.09	11.00	Pass
62	5310	-1.33	0.15	-1.18	11.00	Pass
102	5510	-1.89	0.15	-1.74	11.00	Pass
118	5590	0.46	0.15	0.61	11.00	Pass
134	5670	-0.69	0.15	-0.54	11.00	Pass

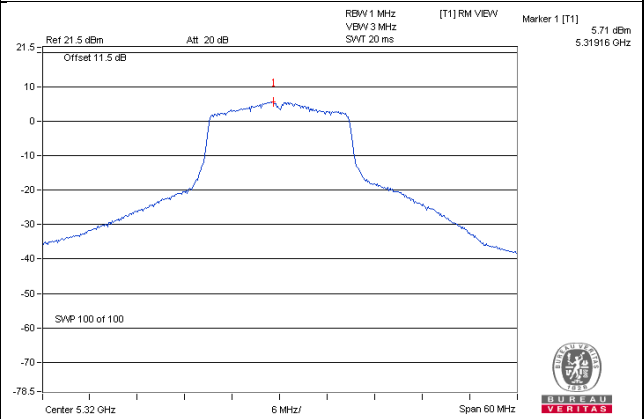
Note: 1. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

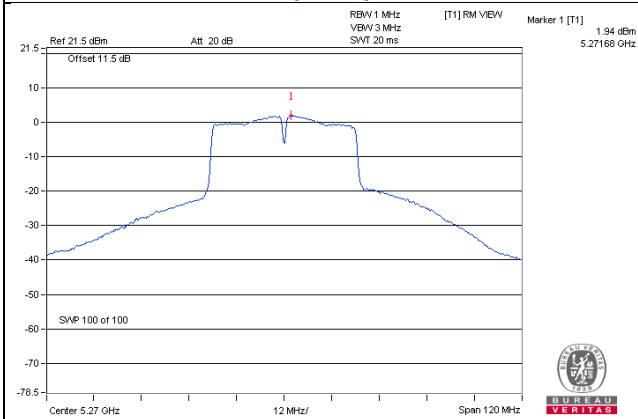
802.11a / CH40



802.11n (HT20) / CH64



802.11n (HT40) / CH54



For U-NII-3:

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
149	5745	-12.97	-10.75	30.00	Pass
157	5785	-2.62	-0.40	30.00	Pass
165	5825	-2.37	-0.15	30.00	Pass

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor		Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
		(dBm/300kHz)	(dBm/500kHz)				
149	5745	-2.94	-0.72	0.16	-0.56	30.00	Pass
157	5785	-3.17	-0.95	0.16	-0.79	30.00	Pass
165	5825	-3.66	-1.44	0.16	-1.28	30.00	Pass

Note: 1. Refer to section 3.3 for duty cycle spectrum plot.

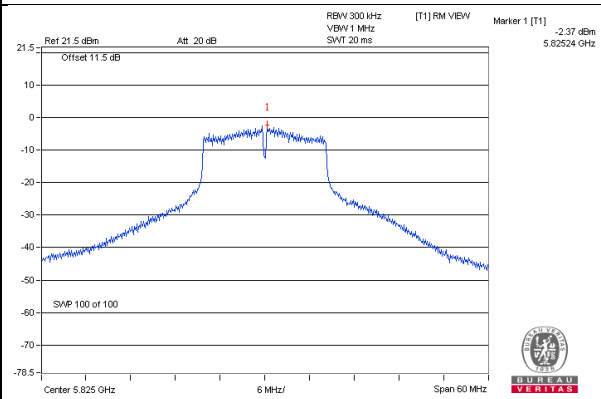
802.11n (HT40)

Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor		Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
		(dBm/300kHz)	(dBm/500kHz)				
151	5755	-7.38	-5.16	0.15	-5.01	30.00	Pass
159	5795	-7.66	-5.44	0.15	-5.29	30.00	Pass

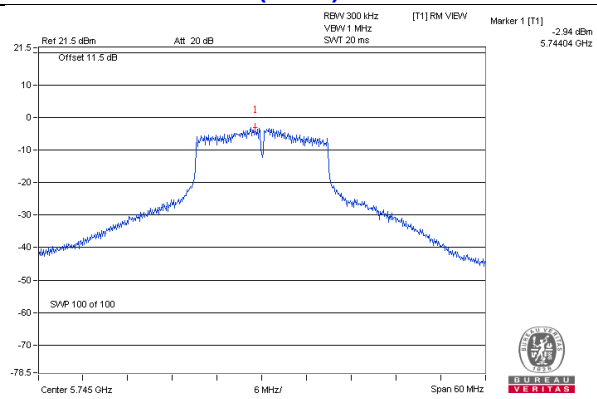
Note: 1. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

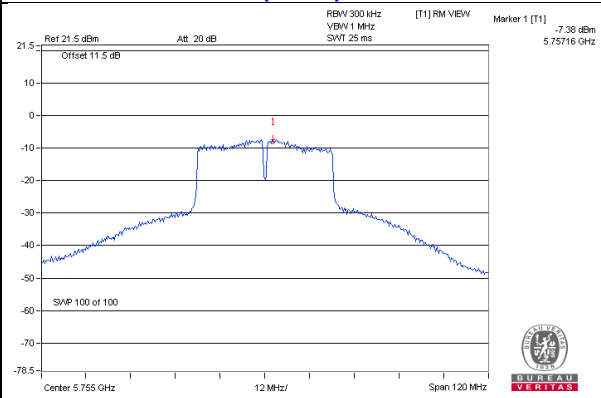
802.11a: CH 165



802.11n (HT20): CH 149



802.11n (HT40): CH 151

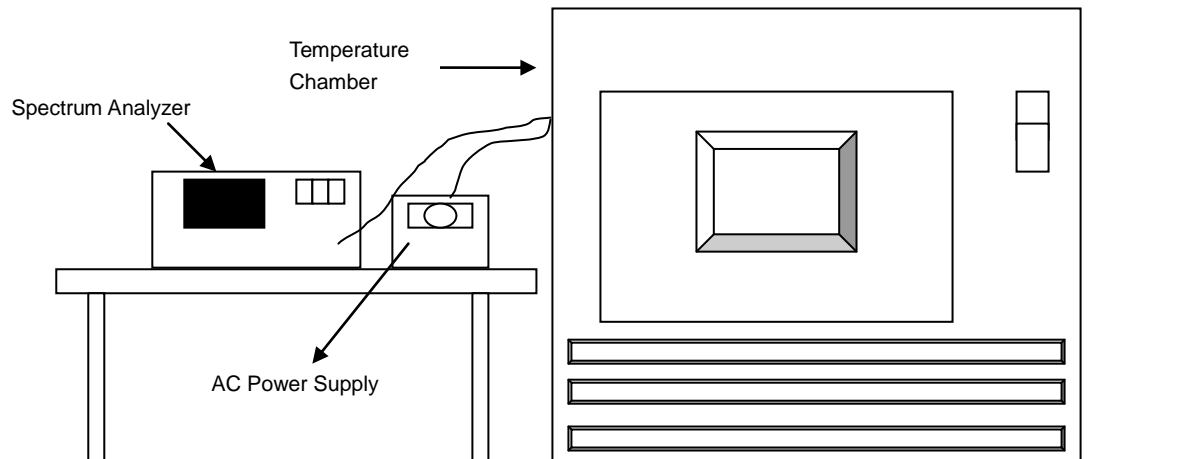


4.6 Frequency Stability Measurement

4.6.1 Limits of Frequency Stability Measurement

The frequency of the carrier signal shall be maintained within band of operation

4.6.2 Test Setup



4.6.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.6.4 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 Minutes.
- Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
- The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 Minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

Set the EUT transmit at un-modulation mode to test frequency stability.

4.6.7 Test Results

Frequency Stability Versus Temp.									
Operating Frequency: 5180 MHz									
TEMP. (°C)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail
50	120	5179.9815	PASS	5179.9776	PASS	5179.979	PASS	5179.9779	PASS
40	120	5179.972	PASS	5179.9752	PASS	5179.9746	PASS	5179.9752	PASS
30	120	5179.9833	PASS	5179.9865	PASS	5179.987	PASS	5179.987	PASS
20	120	5179.9897	PASS	5179.9906	PASS	5179.99	PASS	5179.9881	PASS
10	120	5179.9906	PASS	5179.9907	PASS	5179.9934	PASS	5179.9953	PASS
0	120	5180.0234	PASS	5180.0233	PASS	5180.0241	PASS	5180.0245	PASS
-10	120	5179.9822	PASS	5179.9842	PASS	5179.9852	PASS	5179.9823	PASS
-20	120	5179.9782	PASS	5179.9805	PASS	5179.979	PASS	5179.9797	PASS
-30	120	5180.0211	PASS	5180.0211	PASS	5180.019	PASS	5180.0201	PASS

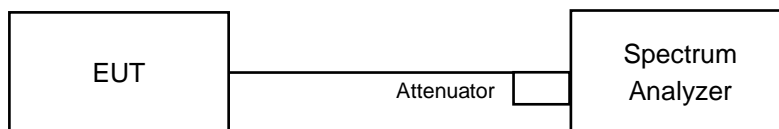
Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
TEMP. (°C)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail
20	138	5179.9901	PASS	5179.9914	PASS	5179.991	PASS	5179.9889	PASS
	120	5179.9897	PASS	5179.9906	PASS	5179.99	PASS	5179.9881	PASS
	102	5179.9898	PASS	5179.9913	PASS	5179.989	PASS	5179.9888	PASS

4.7 6dB Bandwidth Measurement

4.7.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

4.7.2 Test Setup



4.7.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.7.4 Test Procedure

MEASUREMENT PROCEDURE REF

- a. Set resolution bandwidth (RBW) = 100kHz
- b. Set the video bandwidth (VBW) $\geq 3 \times$ RBW, Detector = Peak.
- c. Trace mode = max hold.
- d. Sweep = auto couple.
- e. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

4.7.5 Deviation from Test Standard

No deviation.

4.7.6 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.7.7 Test Results

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
149	5745	16.09	0.5	PASS
157	5785	16.09	0.5	PASS
165	5825	16.05	0.5	PASS

802.11n (HT20)

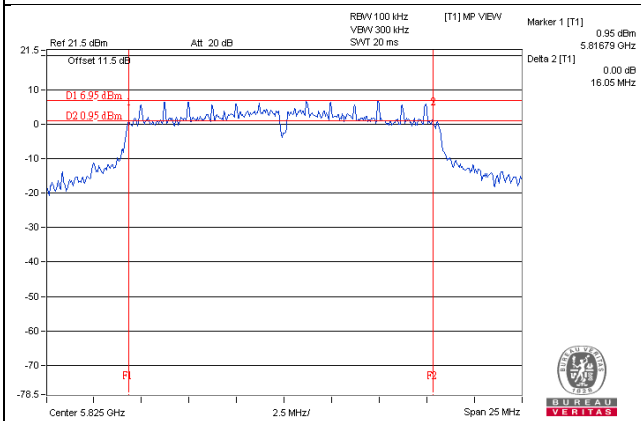
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
149	5745	16.71	0.5	PASS
157	5785	17.31	0.5	PASS
165	5825	17.17	0.5	PASS

802.11n (HT40)

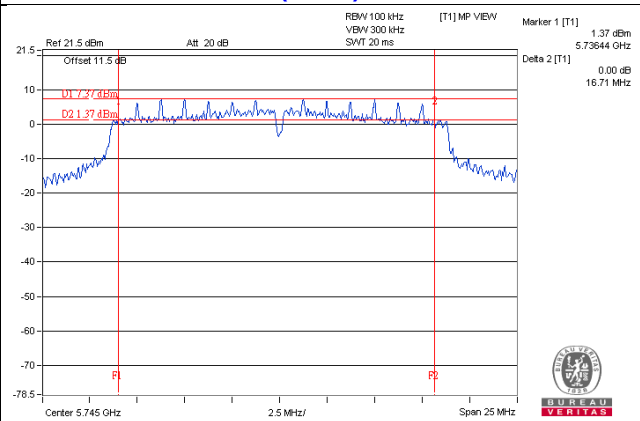
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
151	5755	35.71	0.5	PASS
159	5795	35.57	0.5	PASS

Spectrum Plot of Worst Value

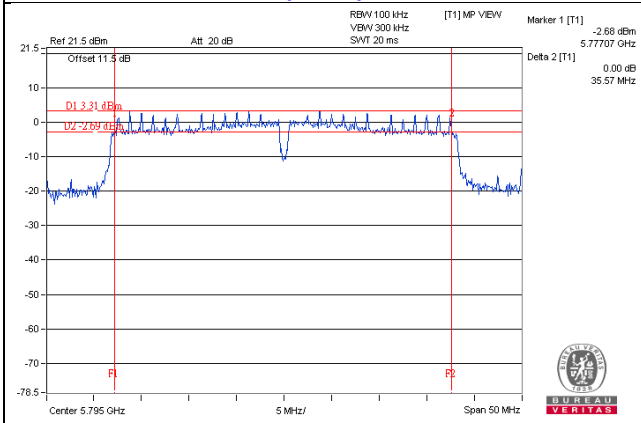
802.11a / CH165



802.11n (HT20) / CH149



802.11n (HT40) / CH159



5 Pictures of Test Arrangements

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

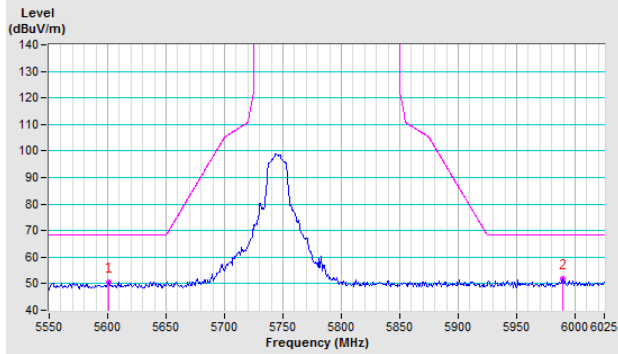
Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band)

Ant Set 1

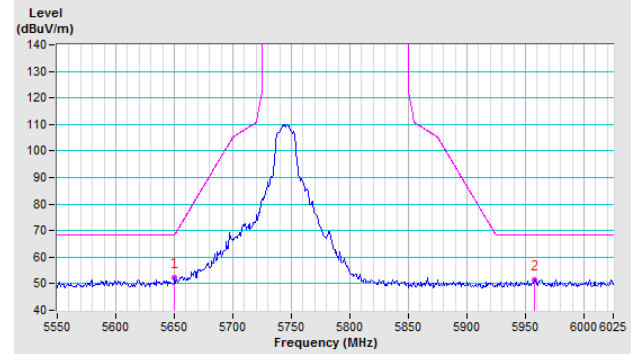
802.11a

CH 149 5745 MHz

Horizontal

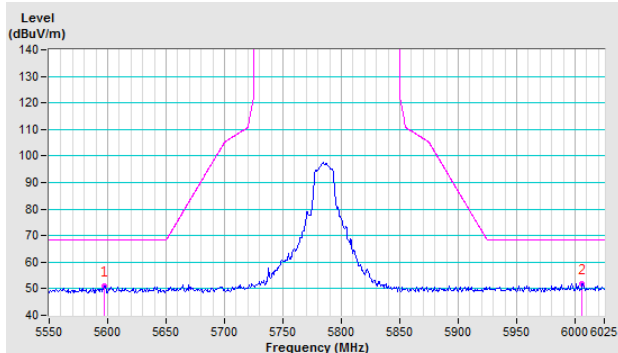


Vertical

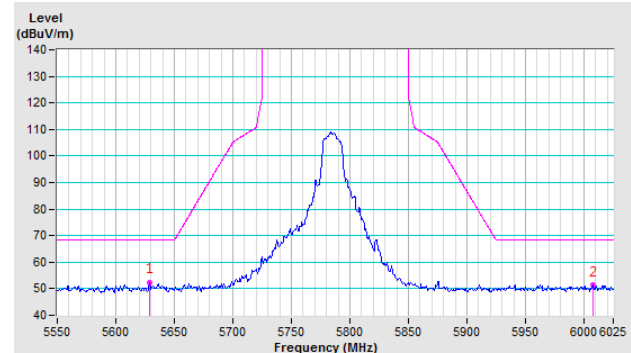


CH 157 5785 MHz

Horizontal

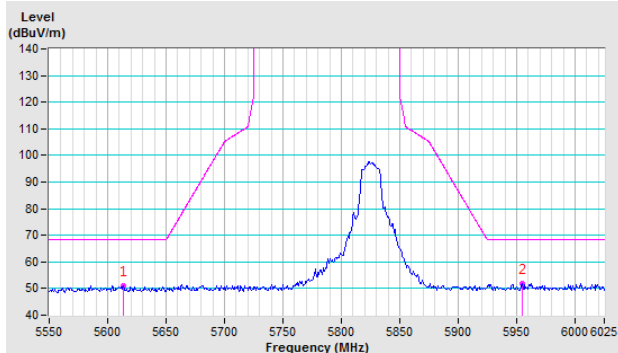


Vertical

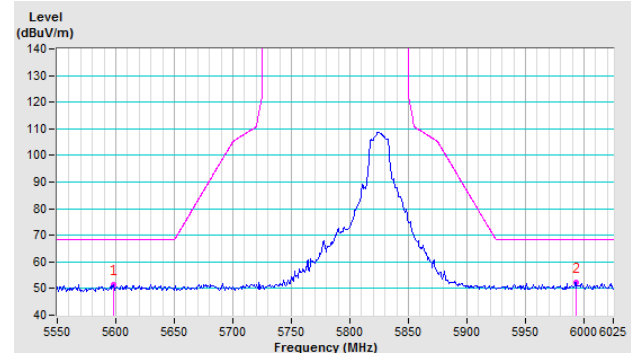


CH 165 5825 MHz

Horizontal



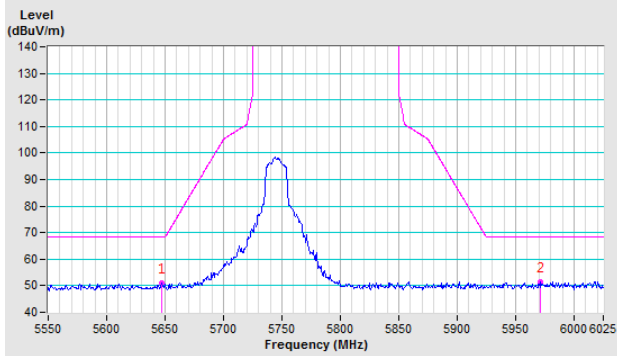
Vertical



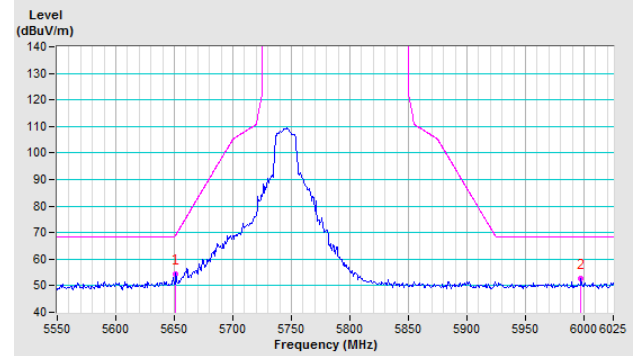
802.11n (HT20)

CH 149 5745 MHz

Horizontal

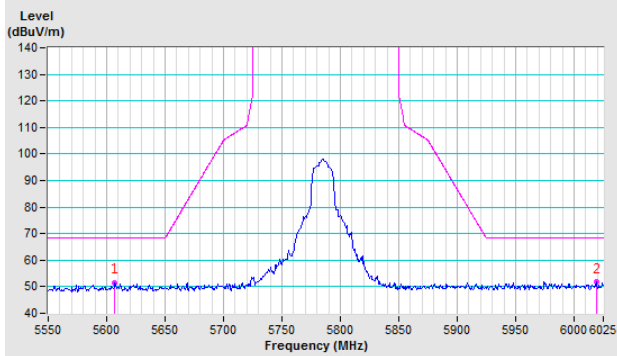


Vertical

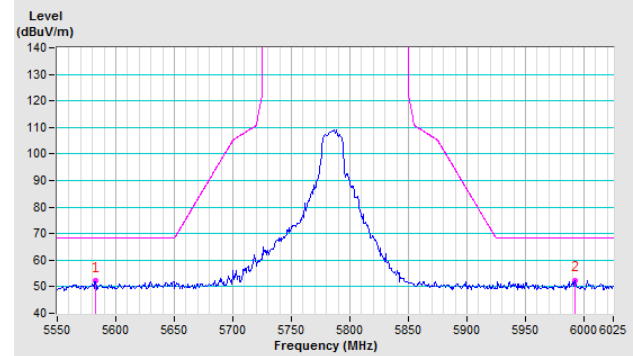


CH 157 5785 MHz

Horizontal

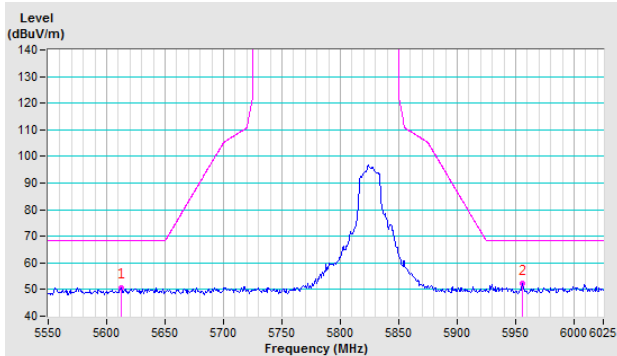


Vertical

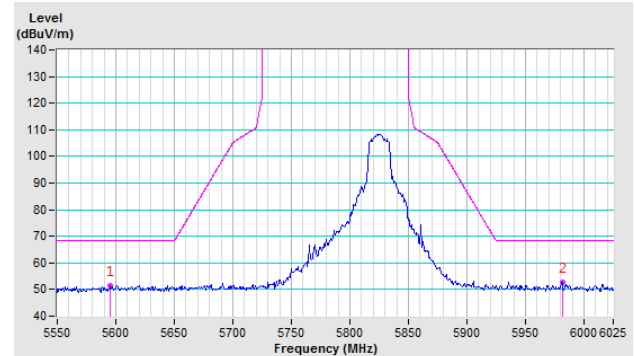


CH 165 5825 MHz

Horizontal



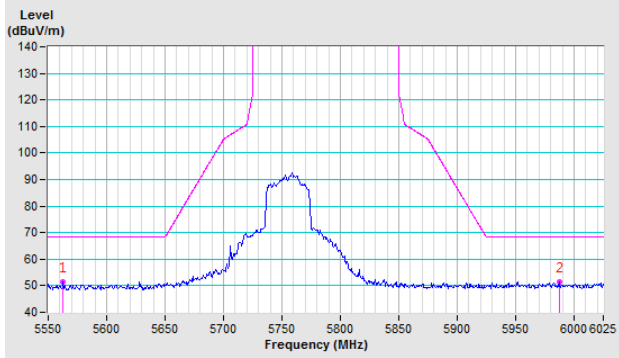
Vertical



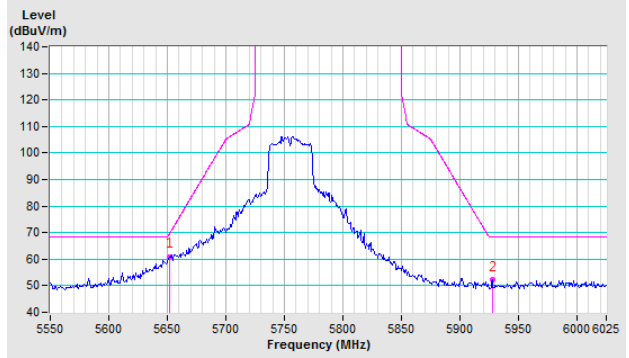
802.11n (HT40)

CH 151 5755 MHz

Horizontal

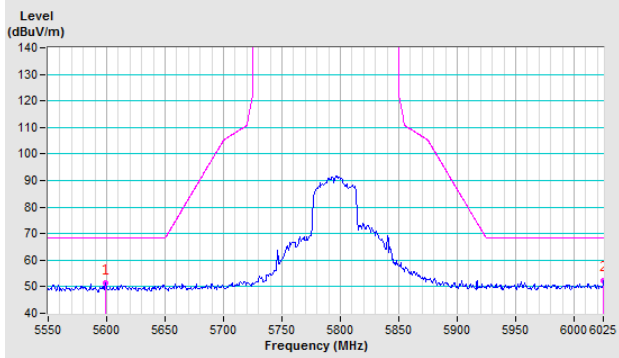


Vertical

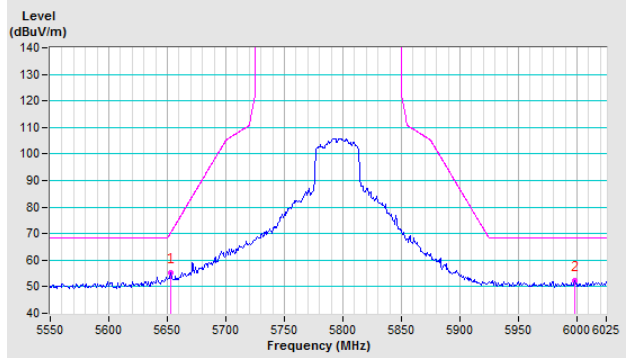


CH 159 5795 MHz

Horizontal



Vertical

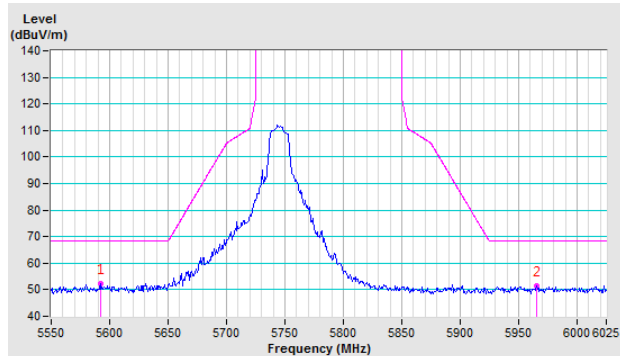


Ant Set 3

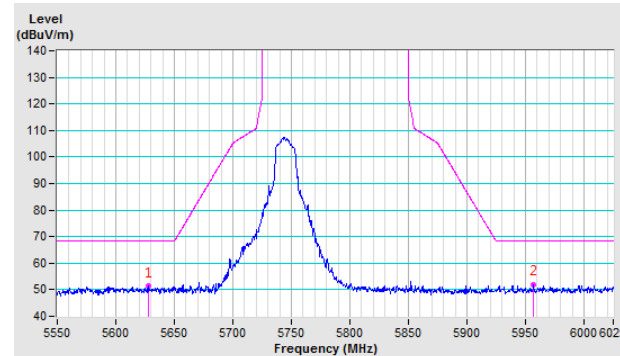
802.11a

CH 149 5745 MHz

Horizontal

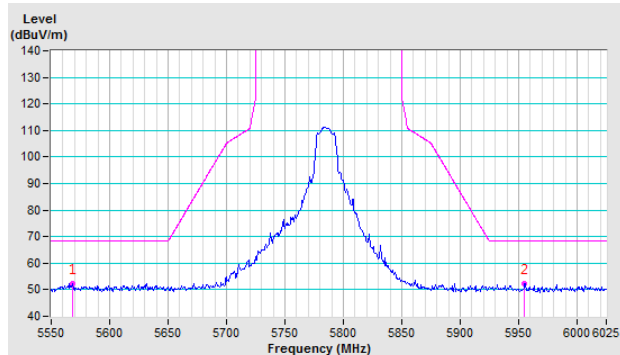


Vertical

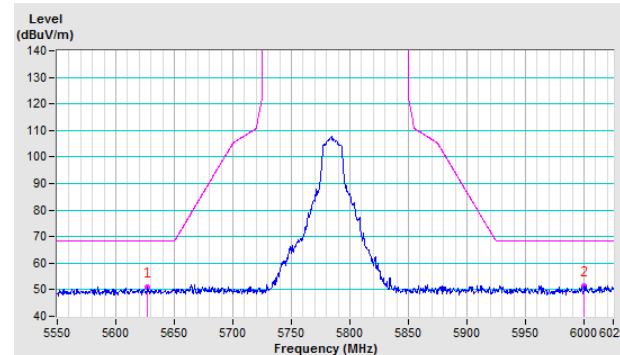


CH 157 5785 MHz

Horizontal

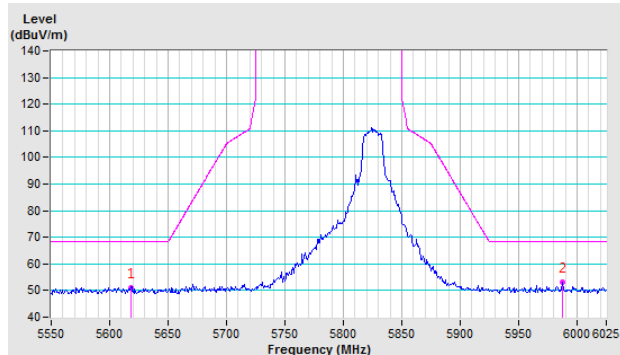


Vertical

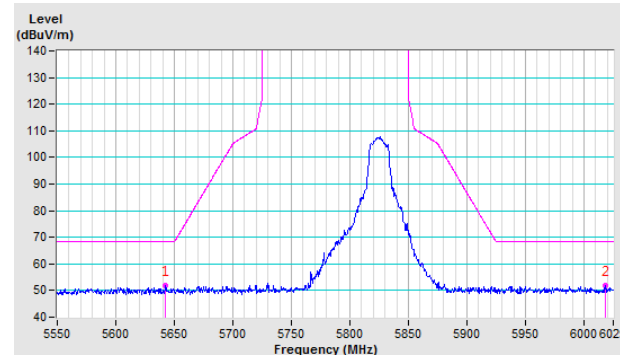


CH 165 5825 MHz

Horizontal



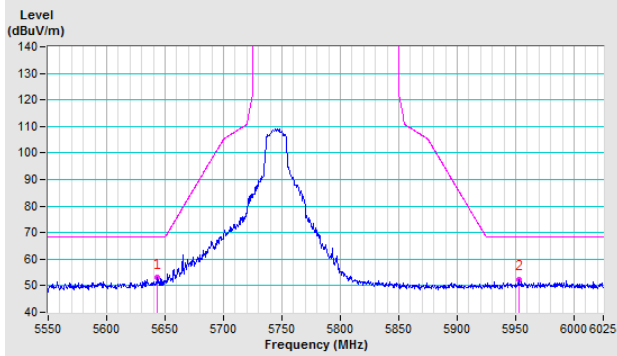
Vertical



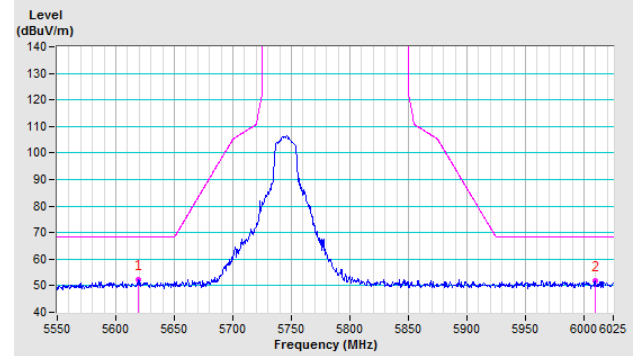
802.11n (HT20)

CH 149 5745 MHz

Horizontal

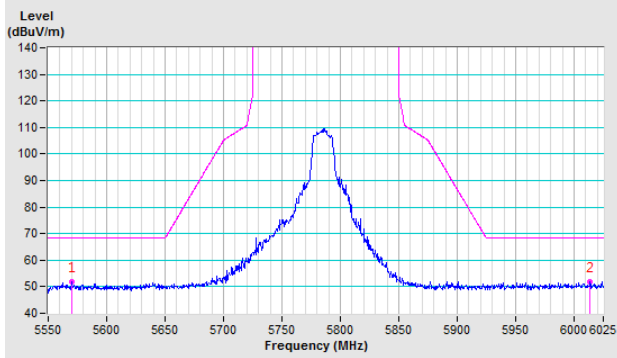


Vertical

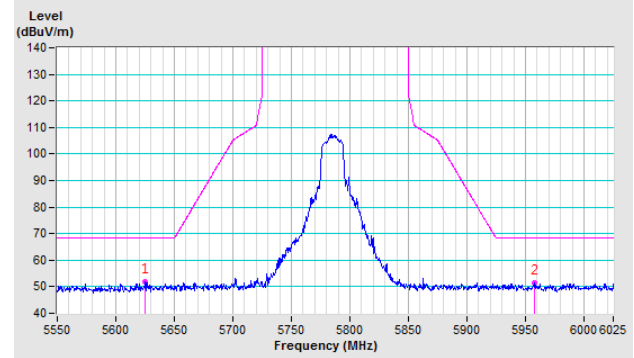


CH 157 5785 MHz

Horizontal

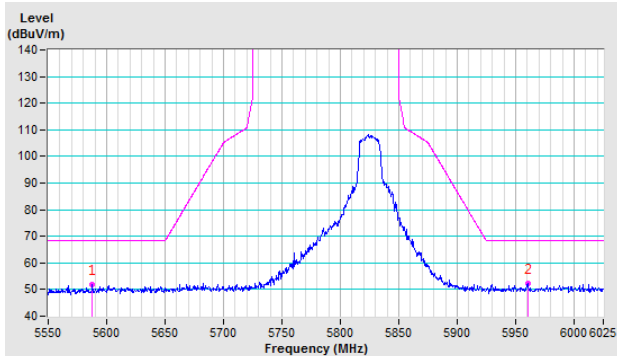


Vertical

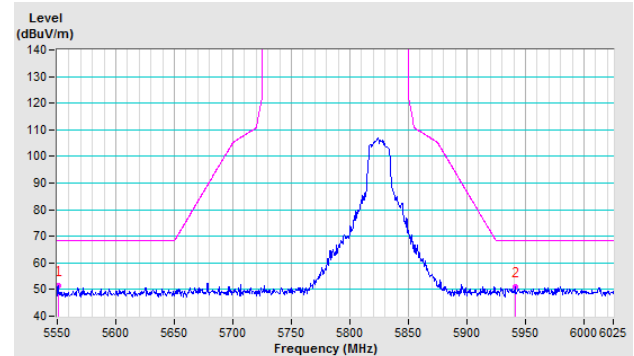


CH 165 5825 MHz

Horizontal



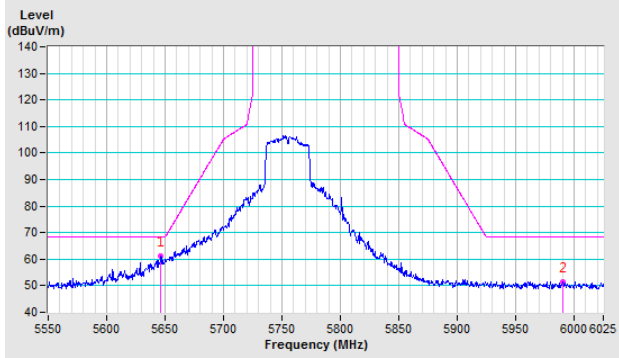
Vertical



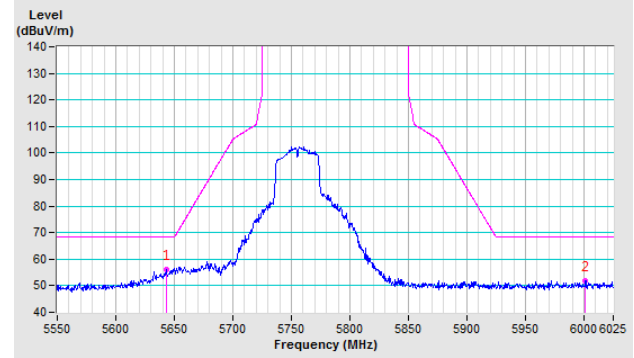
802.11n (HT40)

CH 151 5755 MHz

Horizontal

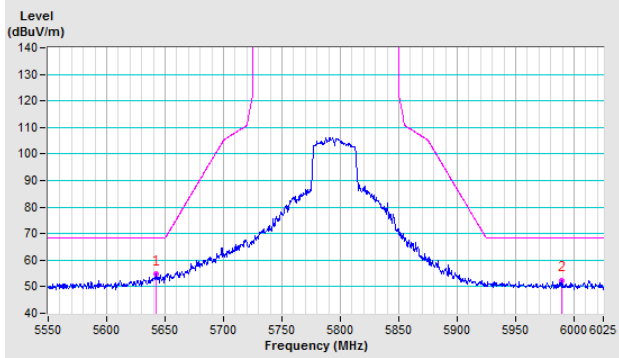


Vertical

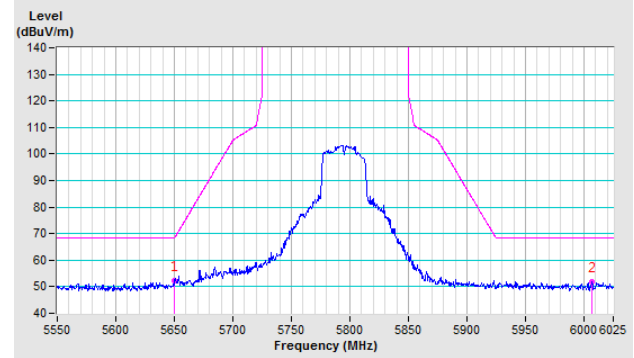


CH 159 5795 MHz

Horizontal



Vertical

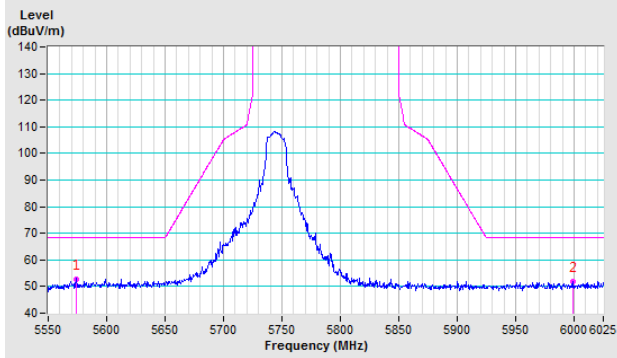


Ant Set 4

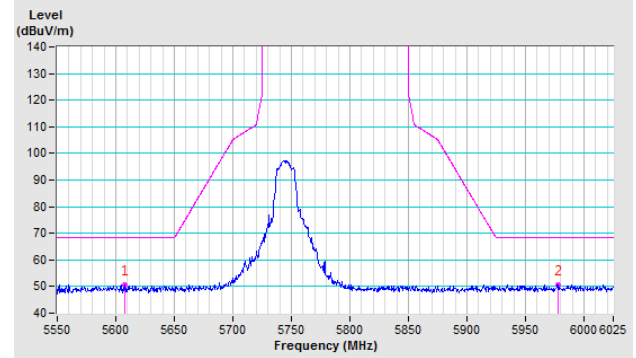
802.11a

CH 149 5745 MHz

Horizontal

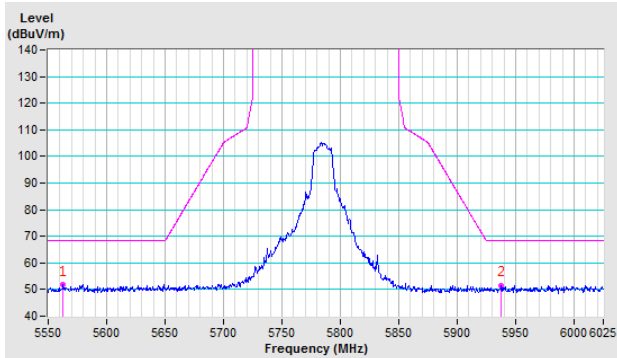


Vertical

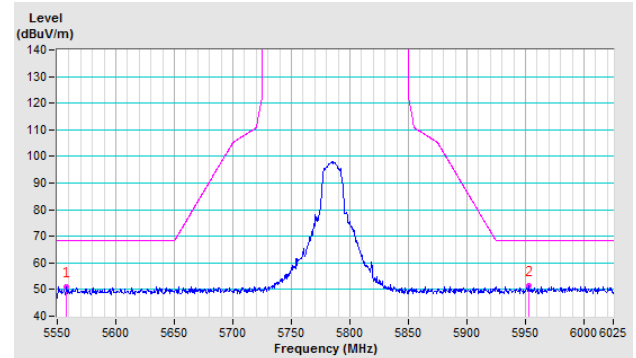


CH 157 5785 MHz

Horizontal

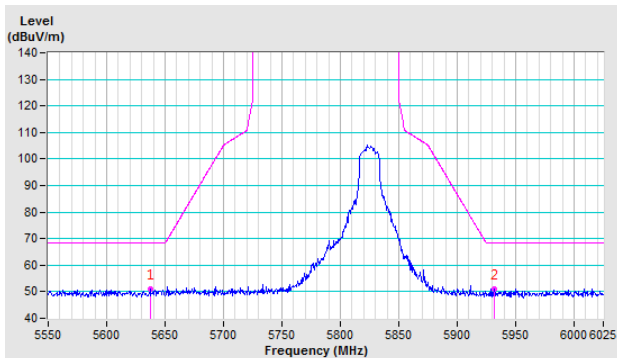


Vertical

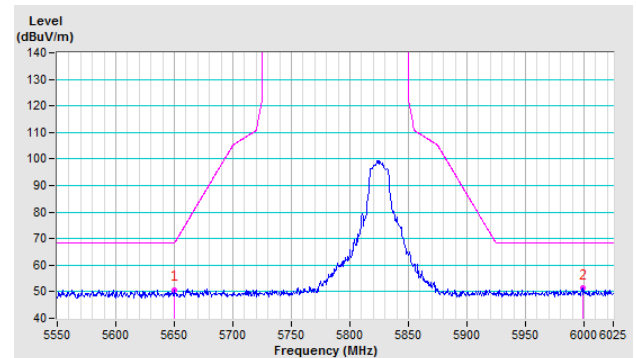


CH 165 5825 MHz

Horizontal



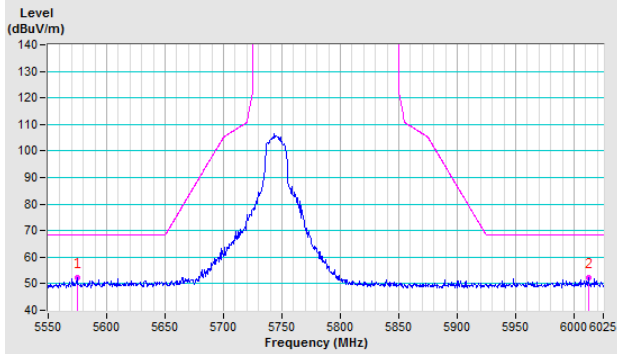
Vertical



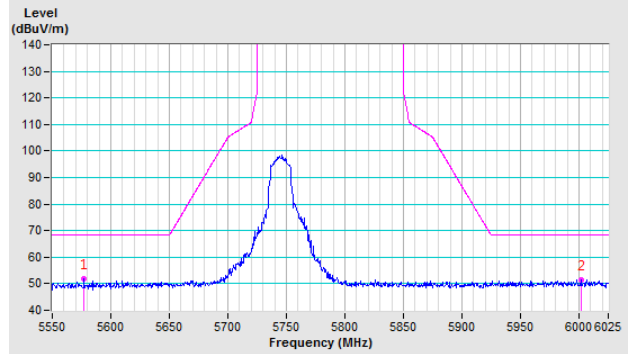
802.11n (HT20)

CH 149 5745 MHz

Horizontal

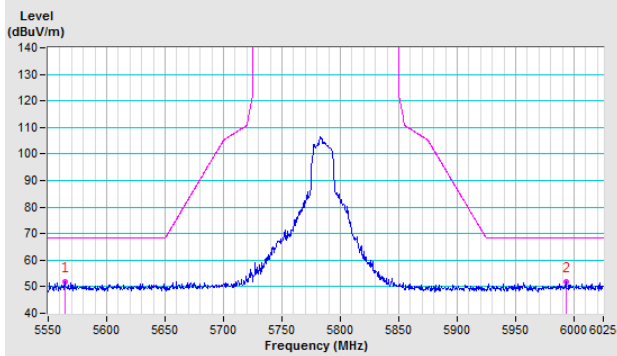


Vertical

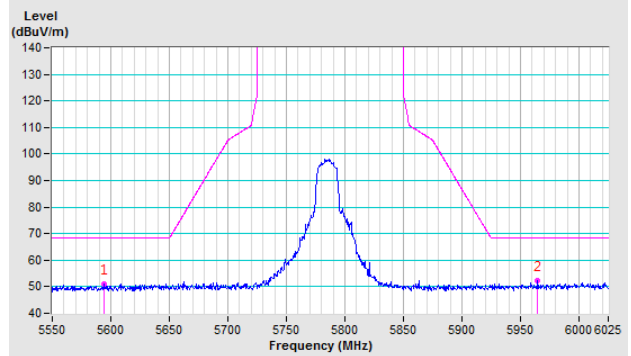


CH 157 5785 MHz

Horizontal

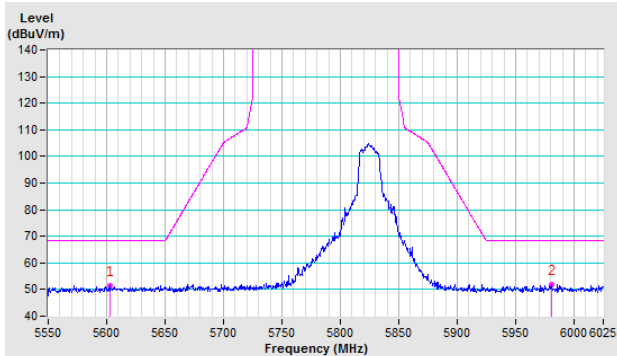


Vertical

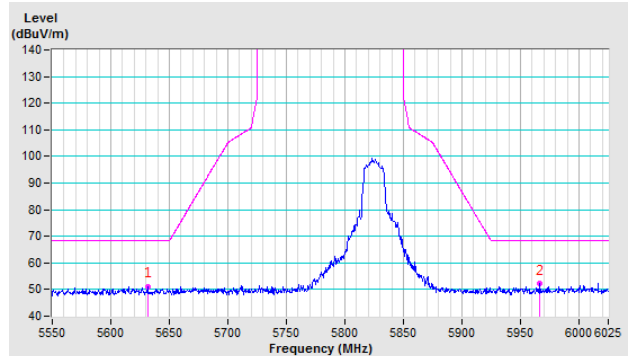


CH 165 5825 MHz

Horizontal



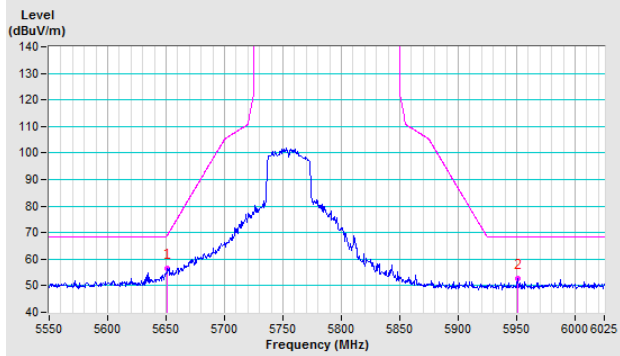
Vertical



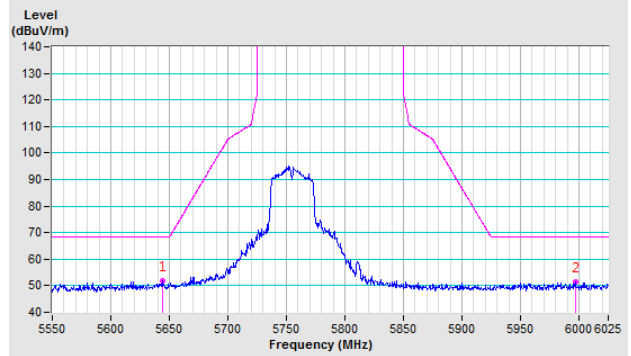
802.11n (HT40)

CH 151 5755 MHz

Horizontal

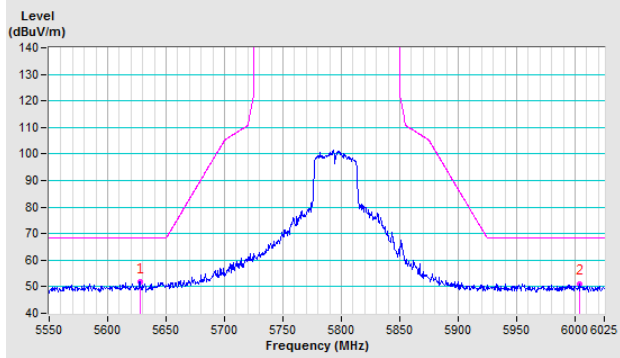


Vertical

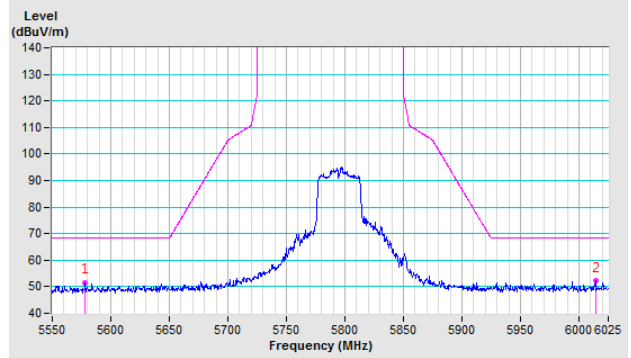


CH 159 5795 MHz

Horizontal



Vertical



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 FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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

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Tel: 886-2-26052180

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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.

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