

FCC TEST REPORT (15.407)

REPORT NO.: RF121124E01-1

MODEL NO.: AE6000

FCC ID: Q87-AE6000

RECEIVED: Nov. 09, 2012

TESTED: Nov. 09 to Dec. 03, 2012

ISSUED: Jan. 10, 2013

APPLICANT: Cisco Consumer Products LLC

ADDRESS: 121 Theory Drive Irvine California 92617
United States

ISSUED BY: Bureau Veritas Consumer Products Services
(H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF121124E01-1	Original release	Jan. 10, 2013

1. CERTIFICATION

PRODUCT: Client Adapter 802.11 a/b/g/n/ac USB dongle
BRAND NAME: Cisco
MODEL NO.: AE6000
TEST SAMPLE: ENGINEERING SAMPLE
APPLICANT: Cisco Consumer Products LLC
TESTED: Nov. 09 to Dec. 03, 2012
STANDARDS: **FCC Part 15, Subpart E (Section 15.407)**
ANSI C63.10-2009

The above equipment (Model: AE6000) 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 : Phoenix Huang , **DATE:** Jan. 10, 2013
(Phoenix Huang, Specialist)

APPROVED BY : May Chen , **DATE:** Jan. 10, 2013
(May Chen, Deputy Manager)

2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART E (SECTION 15.407)			
STANDARD SECTION	TEST TYPE	RESULT	REMARK
15.407(b)(6)	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -14.47dB at 0.16447MHz
15.407(b/1/2/3) (b)(6)	Radiated Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -2.0dB at 5150.00MHz & 5470MHz.
15.407(a/1/2)	Transmit Power	PASS	Meet the requirement of limit.
15.407(a)(6)	Peak Power Excursion	PASS	Meet the requirement of limit.
15.407(a/1/2)	Peak Power Spectral Density	PASS	Meet the requirement of limit.
15.407(g)	Frequency Stability	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	No antenna connector is used.

NOTE:

1. The EUT was operating in 2.400 ~ 2.4835GHz, 5.15~5.35GHz, 5.47~5.6GHz & 5.65~5.725GHz and 5.725~5.850GHz frequencies band. This report was recorded the RF parameters including 5.15~5.35GHz and 5.47~5.725GHz. For the 2.400 ~ 2.4835GHz and 5.47~5.6GHz & 5.65~5.725GHz RF parameters was recorded in another test report.

2.1 MEASUREMENT UNCERTAINTY

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

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Measurement	Value
Conducted emissions	2.98 dB
Radiated emissions (30MHz-1GHz)	5.69 dB
Radiated emissions (1GHz -6GHz)	3.84 dB
Radiated emissions (6GHz -18GHz)	4.09 dB
Radiated emissions (18GHz -40GHz)	4.24 dB

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Client Adapter 802.11 a/b/g/n/ac USB dongle
MODEL NO.	AE6000
POWER SUPPLY	DC 5V from host equipment
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode only.
MODULATION TECHNOLOGY	DSSS,OFDM
TRANSFER RATE	802.11b: up to 11Mbps 802.11a / g: up to 54Mbps 802.11n: up to 150Mbps 802.11ac: up to 433.3Mbps
OPERATING FREQUENCY	For 15.407 802.11a/n/ac: 5.18 ~ 5.24GHz, 5.26 ~ 5.32GHz, 5.50 ~ 5.58GHz, 5.66GHz ~ 5.70GHz
	For 15.247 802.11b/g/n: 2.412 ~ 2.462GHz 802.11a/n/ac: 5.745 ~ 5.825GHz
NUMBER OF CHANNEL	For 15.407 16 for 802.11a, 802.11n (HT20), 802.11ac (VHT20) 7 for 802.11n (HT40), 802.11ac (VHT40) 3 for 802.11ac (VHT80)
	For 15.247 (2.4GHz) 11 for 802.11b, 802.11g, 802.11n (HT20) 7 for 802.11n (HT40) For 15.247 (5GHz) 5 for 802.11a, 802.11n (HT20), 802.11ac (VHT20) 2 for 802.11n (HT40), 802.11ac (VHT40) 1 for 802.11ac (VHT80)

MAXIMUM OUTPUT POWER	For 15.407 802.11a: 110.154mW 802.11n (HT20): 107.152mW 802.11n (HT40): 95.940mW 802.11ac (VHT80): 13.677mW For 15.247 (2.4GHz) 802.11b: 145.211mW 802.11g: 891.251mW 802.11n (HT20): 748.170mW 802.11n (HT40): 200.909mW For 15.247 (5GHz) 802.11a: 849.180mW 802.11n (HT20): 862.979mW 802.11n (HT40): 872.971mW 802.11ac (VHT80): 647.143mW
ANTENNA TYPE	Please see NOTE
DATA CABLE	NA
I/O PORTS	Refer to user's manual
ASSOCIATED DEVICES	NA

NOTE:

1. The EUT is a 2.4GHz & 5GHz WLAN device.
2. The antenna provided to the EUT, please refer to the following table:

Ant No.	Antenna Type	Antenna Gain (dBi)	Connector	Frequency range (MHz to MHz)
1	Metal Antenna	4.31	NA	2400~2483.5
	Metal Antenna	5.09	NA	5150~5825

3. The EUT incorporates a SISO function without beam forming.

MODULATION MODE	TX/RX FUNCTION
802.11b	1Tx/1Rx
802.11g	1Tx/1Rx
802.11a	1Tx/1Rx
802.11n (HT20)	1Tx/1Rx
802.11n (HT40)	1Tx/1Rx
802.11ac (VHT20)	1Tx/1Rx
802.11ac (VHT40)	1Tx/1Rx
802.11ac (VHT80)	1Tx/1Rx

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

4. 2.4GHz and 5GHz technology cannot transmit at same time.
5. When the EUT operating in 802.11n, the software operation, which is defined by manufacturer, MCS (Modulation and Coding Schemes) from 0 to 7.
6. When the EUT operating in 802.11ac, the software operation, which is defined by manufacturer, MCS (Modulation and Coding Schemes) from 0 to 9.
7. The above EUT information was declared by the manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 DESCRIPTION OF TEST MODES

Operated in 5150 ~ 5350MHz band:

8 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
36	5180 MHz	52	5260 MHz
40	5200 MHz	56	5280 MHz
44	5220 MHz	60	5300 MHz
48	5240 MHz	64	5320 MHz

4 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

CHANNEL	FREQUENCY
38	5190 MHz
46	5230 MHz
54	5270 MHz
62	5310 MHz

2 channels are provided for 802.11ac (VHT80):

CHANNEL	FREQUENCY
42	5210 MHz
58	5290 MHz

Operated in 5470MHz ~ 5600MHz & 5650MHz ~ 5725MHz bands:

8 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

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

3 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

CHANNEL	FREQUENCY
102	5510 MHz
110	5550 MHz
134	5670 MHz

1 channel is provided for 802.11ac (VHT80):

CHANNEL	FREQUENCY
106	5530 MHz

3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	PLC	RE < 1G	RE ³ 1G	APCM	
-	√	√	√	√	-

Where **PLC**: Power Line Conducted Emission

RE < 1G: Radiated Emission below 1GHz

RE ³ 1G: Radiated Emission above 1GHz

APCM: Antenna Port Conducted Measurement

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	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
802.11a	36 to 140	60	OFDM	BPSK	6

RADIATED EMISSION TEST (BELOW 1 GHz):

- ☒ 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	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
802.11a	36 to 140	60	OFDM	BPSK	6

RADIATED EMISSION TEST (ABOVE 1 GHz):

- ☒ 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	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
802.11a	36 to 140	36, 40, 48, 52, 60, 64, 100, 116, 132, 140	OFDM	BPSK	6
802.11n (HT20)	36 to 140	36, 40, 48, 52, 60, 64, 100, 116, 132, 140	OFDM	BPSK	6.5
802.11n (HT40)	38 to 134	38, 46, 54, 62, 102, 110, 134	OFDM	BPSK	13.5
802.11ac (VHT80)	42 to 106	42, 58, 106	OFDM	BPSK	58.5

ANTENNA PORT CONDUCTED MEASUREMENT:

- ☒ 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	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
802.11a	36 to 140	36, 40, 48, 52, 60, 64, 100, 116, 132, 140	OFDM	BPSK	6
802.11n (HT20)	36 to 140	36, 40, 48, 52, 60, 64, 100, 116, 132, 140	OFDM	BPSK	6.5
802.11n (HT40)	38 to 134	38, 46, 54, 62, 102, 110, 134	OFDM	BPSK	13.5
802.11ac (VHT80)	42 to 106	42, 58, 106	OFDM	BPSK	58.5

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER (SYSTEM)	TESTED BY
PLC	27deg. C, 59%RH	120Vac, 60Hz	Jyunchun Lin
RE<1G	21deg. C, 75%RH	120Vac, 60Hz	Amos Chuang
RE ³ 1G	25deg. C, 60%RH	120Vac, 60Hz	Robert Cheng
APCM	25deg. C, 60%RH	120Vac, 60Hz	Amos Chuang

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC Part 15, Subpart E (15.407)

789033 D01 General UNII Test Procedures

662911 D01 Multiple Transmitter Output

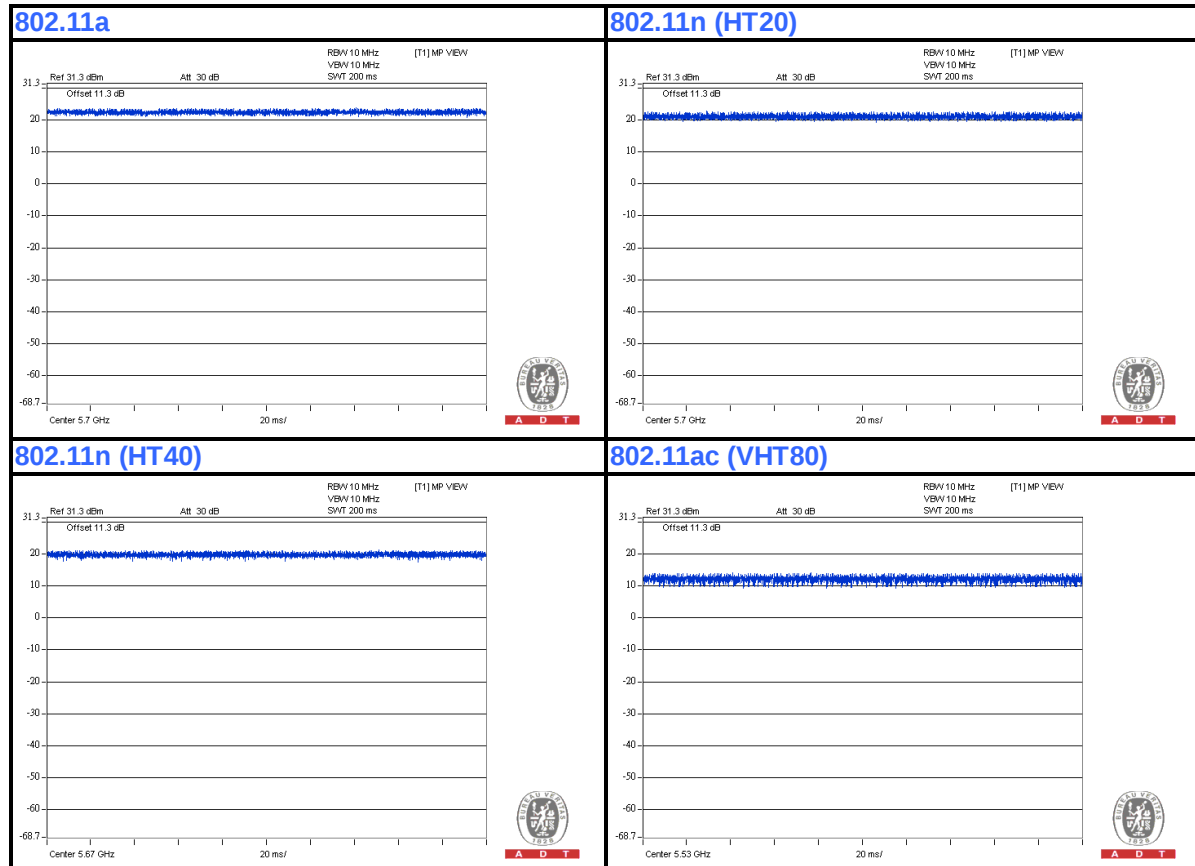
ANSI C63.10-2009

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.

3.4 DUTY CYCLE OF TEST SIGNAL

Duty cycle of test signal is 100 % > 98 %, duty factor is not required.





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3.5 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.

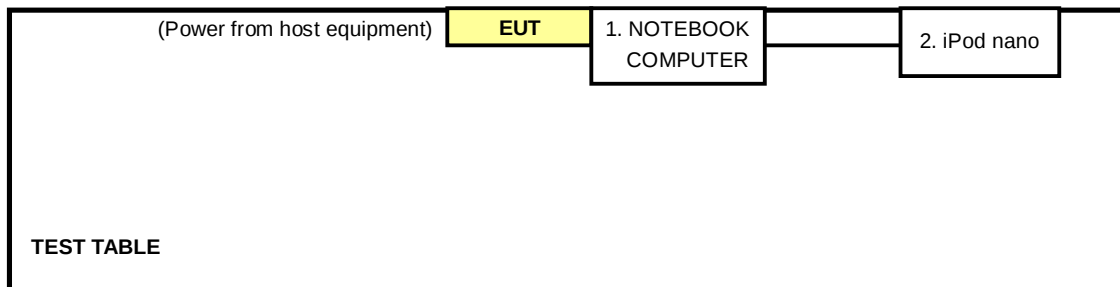
NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Notebook	DELL	PP32LA	FSLB32S	FCC DoC
2	iPod shuffle	Apple	MC749TA/A	CC4DMFJUDFD M	NA
	iPod nano	Apple	A1199	6U6425Z8VQ5	FCC DoC

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	USB cable, 0.1m (for other test items)
	USB cable, 0.1m (for conducted test)

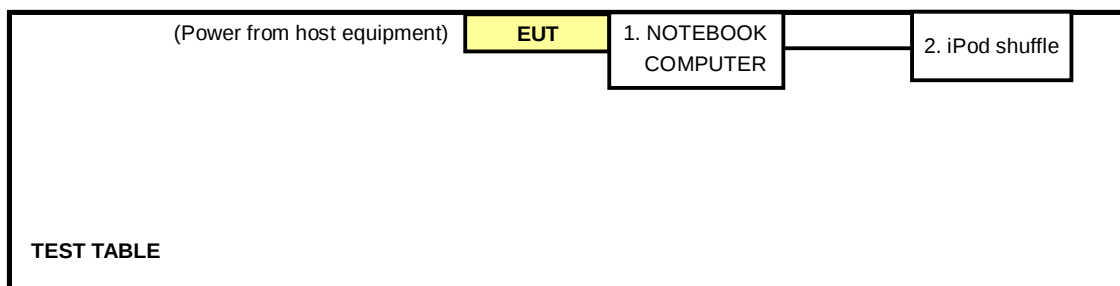
NOTE: All power cords of the above support units are non shielded (1.8m).

3.6 CONFIGURATION OF SYSTEM UNDER TEST

For Conducted Emission test:



For other test items:



4. TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	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 0.50 MHz.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESCS 30	100287	Feb. 29, 2012	Feb. 28, 2013
Line-Impedance Stabilization Network (for EUT) SCHWARZBECK	NSLK 8127	8127-523	Sep. 19, 2012	Sep. 20, 2013
Line-Impedance Stabilization Network (for Peripheral) ROHDE & SCHWARZ	ESH3-Z5	848773/004	Oct. 29, 2012	Oct. 28, 2013
RF Cable (JYEBAO)	5DFB	COACAB-002	Aug. 05, 2012	Aug. 04, 2013
50 ohms Terminator	50	3	Oct. 23, 2012	Oct. 22, 2013
Software ADT	BV ADT_Cond_V7.3.7 .3	NA	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Shielded Room No. A.
3. The VCCI Con A Registration No. is C-817.
4. Tested Date: Nov. 29, 2012

4.1.3 TEST PROCEDURES

- 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 level under (Limit – 20dB) was not recorded.

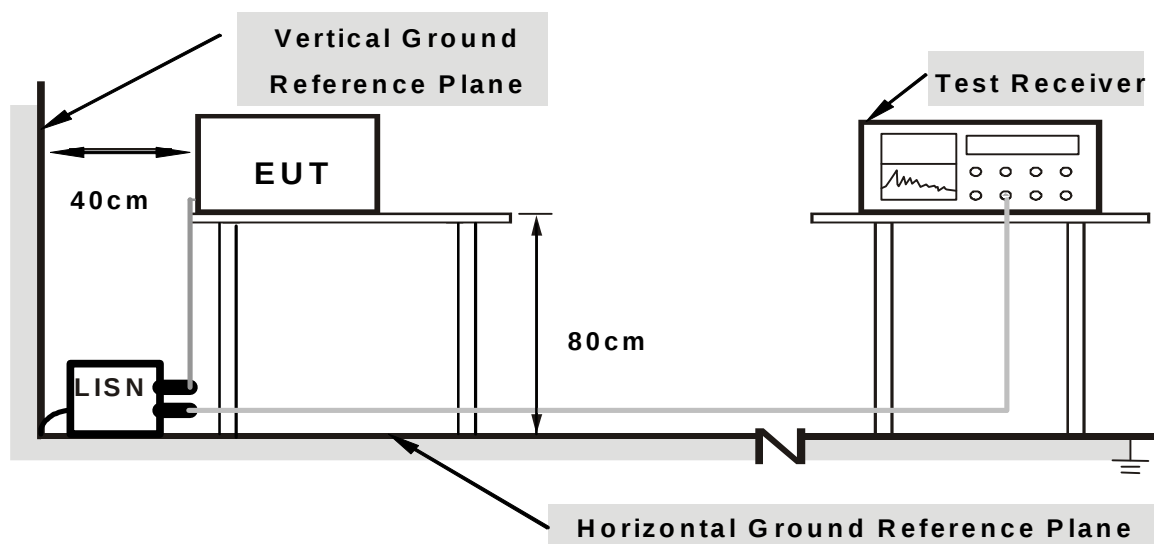
NOTE:

- The resolution bandwidth of test receiver is 9kHz for Quasi-peak detection (QP) & Average detection (AV).

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



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

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.1.6 EUT OPERATING CONDITIONS

1. Connect the EUT with the support unit 1 (Notebook Computer) which is placed on a testing table.
2. The communication partner run test program “MT76xxU.exe” to enable EUT under transmission/receiving condition continuously at specific channel frequency.

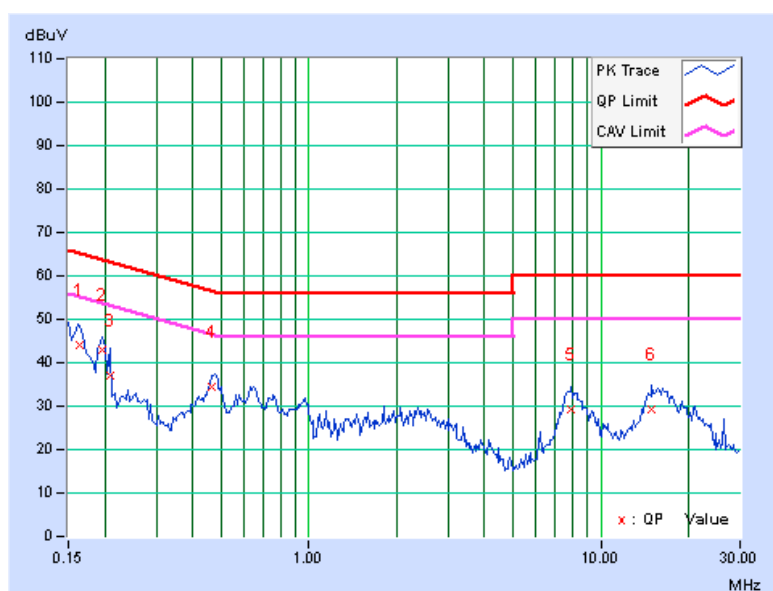
4.1.7 TEST RESULTS

PHASE	Line (L)	DETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB (uV)]	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16447	0.09	44.05	40.68	44.14	40.77	65.24	55.24	-21.10	-14.47
2	0.19687	0.10	42.95	25.05	43.05	25.15	63.74	53.74	-20.69	-28.59
3	0.20859	0.10	36.98	18.21	37.08	18.31	63.26	53.26	-26.18	-34.95
4	0.46641	0.15	34.11	24.20	34.26	24.35	56.58	46.58	-22.31	-22.22
5	7.91406	0.45	28.82	21.36	29.27	21.81	60.00	50.00	-30.73	-28.19
6	14.88672	0.63	28.72	22.81	29.35	23.44	60.00	50.00	-30.65	-26.56

REMARKS:

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

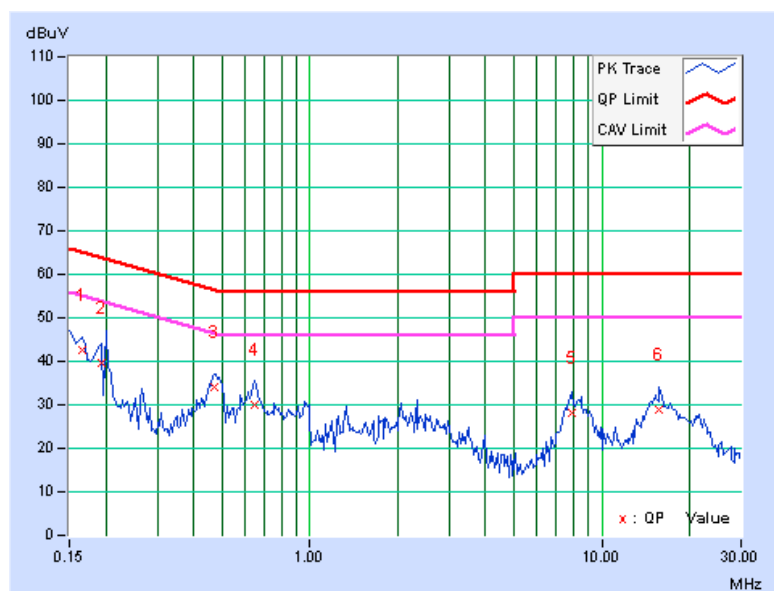


PHASE	Neutral (N)	DETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)
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No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16562	0.10	42.35	40.03	42.45	40.13	65.18	55.18	-22.73	-15.05
2	0.19297	0.11	39.69	22.23	39.80	22.34	63.91	53.91	-24.11	-31.57
3	0.47031	0.16	33.76	24.59	33.92	24.75	56.51	46.51	-22.59	-21.76
4	0.65000	0.17	29.87	19.46	30.04	19.63	56.00	46.00	-25.96	-26.37
5	7.89844	0.43	27.87	20.73	28.30	21.16	60.00	50.00	-31.70	-28.84
6	15.76172	0.62	28.16	22.51	28.78	23.13	60.00	50.00	-31.22	-26.87

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.



4.2 RADIATED EMISSION AND BANDEDGE MEASUREMENT

4.2.1 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.

4.2.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

APPLICABLE TO	LIMIT	
√	FIELD STRENGTH AT 3m (dBμV/m)	
	PK	AV
	74	54
	EIRP LIMIT (dBm)	EQUIVALENT FIELD STRENGTH AT 3m (dBμV/m)
	PK	PK
	-27	68.3

NOTE:

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

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

4.2.3 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer Agilent	E4446A	MY48250253	Sep. 03, 2012	Sep. 02, 2013
Pre-Selector Agilent	N9039A	MY46520310	Sep. 03, 2012	Sep. 02, 2013
Signal Generator Agilent	N5181A	MY49060347	July 24, 2012	July 23, 2013
Pre-Amplifier Mini-Circuits	ZFL-1000VH2 B	AMP-ZFL-04	Nov. 14, 2012	Nov. 13, 2013
Pre-Amplifier Agilent	8449B	3008A02465	Feb. 27, 2012	Feb. 26, 2013
SPACEK LABS	SLKKa-48-6	9K16	Nov. 14, 2012	Nov. 13, 2013
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Apr. 06, 2012	Apr. 05, 2013
Horn_Antenna AISI	AIH.8018	0000220091110	Nov. 27, 2012	Nov. 26, 2013
Horn_Antenna SCHWARZBECK	BBHA 9170	9170-424	Oct. 12, 2012	Oct. 11, 2013
RF Cable	NA	RF104-205 RF104-207 RF104-202	Dec. 27, 2011	Dec. 26, 2012
RF Cable	NA	CHHCAB_001	Oct. 07, 2012	Oct. 06, 2013
Software	ADT_Radiated _V8.7.05	NA	NA	NA
Antenna Tower & Turn Table CT	NA	NA	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The horn antenna, preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
- 3 The test was performed in 966 Chamber No. H.
4. The FCC Site Registration No. is 797305.
- 5 The CANADA Site Registration No. is IC 7450H-3.
- 6 Tested Date: Dec. 03, 2012

4.2.4 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters 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.

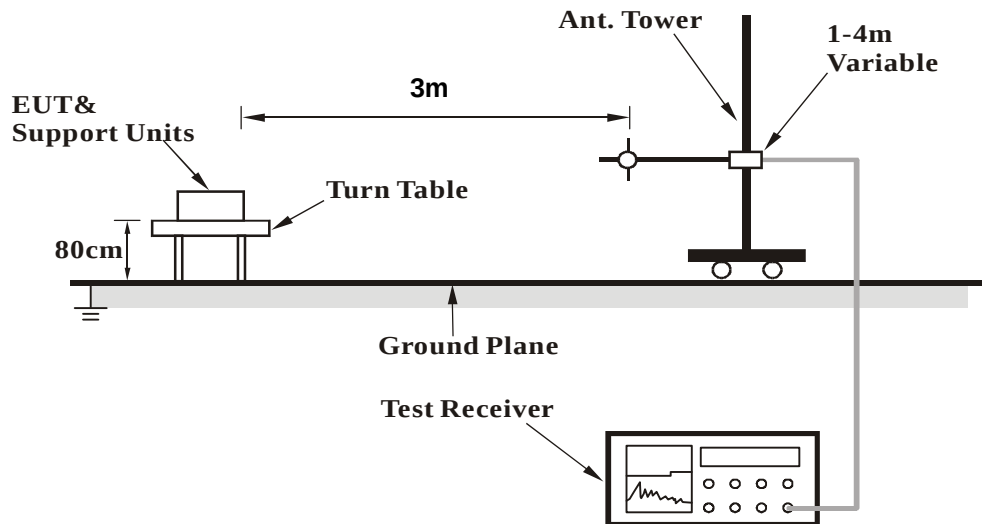
NOTE:

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 1 MHz and the video bandwidth is 10 Hz for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.2.5 DEVIATION FROM TEST STANDARD

No deviation

4.2.6 TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.2.7 EUT OPERATING CONDITION

Same as 4.1.6

4.2.8 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

802.11a

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	Below 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	39.63	27.2 QP	40.0	-12.8	1.48 H	258	13.38	13.79
2	217.56	32.8 QP	46.0	-13.2	1.32 H	195	21.01	11.83
3	597.14	30.7 QP	46.0	-15.3	1.49 H	99	8.54	22.20
4	720.00	33.2 QP	46.0	-12.8	1.28 H	336	9.11	24.08
5	747.00	33.7 QP	46.0	-12.3	1.59 H	151	9.11	24.58
6	960.00	40.4 QP	46.0	-5.6	1.40 H	89	12.27	28.15
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	142.35	25.3 QP	43.5	-18.2	1.22 V	168	11.04	14.25
2	306.00	29.5 QP	46.0	-16.6	1.18 V	257	13.99	15.46
3	418.60	26.7 QP	46.0	-19.3	1.36 V	111	8.54	18.18
4	596.00	31.9 QP	46.0	-14.1	1.23 V	221	9.73	22.17
5	856.61	33.3 QP	46.0	-12.7	1.59 V	340	6.85	26.46
6	960.00	36.1 QP	46.0	-9.9	1.00 V	60	7.93	28.15

REMARKS:

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

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	63.4 PK	74.0	-10.6	1.10 H	132	21.10	42.30
2	5150.00	49.7 AV	54.0	-4.3	1.10 H	132	7.40	42.30
3	*5180.00	105.9 PK			1.10 H	132	63.50	42.40
4	*5180.00	97.1 AV			1.10 H	132	54.70	42.40
5	#10360.00	55.3 PK	74.0	-18.7	1.15 H	89	6.09	49.21
6	#10360.00	43.7 AV	54.0	-10.3	1.15 H	89	-5.51	49.21
7	15540.00	63.8 PK	74.0	-10.2	1.37 H	119	8.70	55.10
8	15540.00	51.4 AV	54.0	-2.6	1.37 H	119	-3.70	55.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	67.7 PK	74.0	-6.3	1.56 V	253	25.40	42.30
2	5150.00	51.6 AV	54.0	-2.4	1.56 V	253	9.30	42.30
3	*5180.00	108.7 PK			1.56 V	253	66.30	42.40
4	*5180.00	98.9 AV			1.56 V	253	56.50	42.40
5	#10360.00	55.2 PK	74.0	-18.8	1.04 V	241	5.99	49.21
6	#10360.00	43.7 AV	54.0	-10.3	1.04 V	241	-5.51	49.21
7	15540.00	62.0 PK	74.0	-12.0	1.07 V	36	6.90	55.10
8	15540.00	50.9 AV	54.0	-3.1	1.07 V	36	-4.20	55.10

REMARKS:

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



A D T

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	106.1 PK			1.10 H	135	63.63	42.47
2	*5200.00	97.3 AV			1.10 H	135	54.83	42.47
3	#10400.00	55.8 PK	74.0	-18.2	1.13 H	82	6.97	48.83
4	#10400.00	44.2 AV	54.0	-9.8	1.13 H	82	-4.63	48.83
5	15600.00	63.4 PK	74.0	-10.6	1.34 H	130	8.43	54.97
6	15600.00	51.1 AV	54.0	-2.9	1.34 H	130	-3.87	54.97
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	109.7 PK			1.58 V	86	67.23	42.47
2	*5200.00	99.4 AV			1.58 V	86	56.93	42.47
3	#10400.00	55.2 PK	74.0	-18.8	1.00 V	225	6.37	48.83
4	#10400.00	43.5 AV	54.0	-10.5	1.00 V	225	-5.33	48.83
5	15600.00	61.6 PK	74.0	-12.4	1.16 V	15	6.63	54.97
6	15600.00	50.4 AV	54.0	-3.6	1.16 V	15	-4.57	54.97

REMARKS:

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

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
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	106.3 PK			1.10 H	131	63.79	42.51
2	*5240.00	97.5 AV			1.10 H	131	54.99	42.51
3	#10480.00	55.6 PK	74.0	-18.4	1.21 H	77	6.21	49.39
4	#10480.00	43.9 AV	54.0	-10.1	1.21 H	77	-5.49	49.39
5	15720.00	63.0 PK	74.0	-11.0	1.26 H	111	8.30	54.70
6	15720.00	50.8 AV	54.0	-3.2	1.26 H	111	-3.90	54.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	109.5 PK			1.57 V	90	66.99	42.51
2	*5240.00	99.3 AV			1.57 V	90	56.79	42.51
3	#10480.00	55.3 PK	74.0	-18.7	1.00 V	245	5.91	49.39
4	#10480.00	43.6 AV	54.0	-10.4	1.00 V	245	-5.79	49.39
5	15720.00	61.4 PK	74.0	-12.6	1.12 V	26	6.70	54.70
6	15720.00	50.2 AV	54.0	-3.8	1.12 V	26	-4.50	54.70

REMARKS:

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

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
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	*5260.00	112.9 PK			1.11 H	129	70.36	42.54
2	*5260.00	103.1 AV			1.11 H	129	60.56	42.54
3	#10520.00	55.7 PK	74.0	-18.3	1.21 H	72	6.21	49.49
4	#10520.00	44.1 AV	54.0	-9.9	1.21 H	72	-5.39	49.49
5	15780.00	62.8 PK	74.0	-11.2	1.29 H	116	7.91	54.89
6	15780.00	50.9 AV	54.0	-3.1	1.29 H	116	-3.99	54.89
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	*5260.00	115.8 PK			1.58 V	83	73.26	42.54
2	*5260.00	105.8 AV			1.58 V	83	63.26	42.54
3	#10520.00	55.2 PK	74.0	-18.8	1.03 V	256	5.71	49.49
4	#10520.00	43.6 AV	54.0	-10.4	1.03 V	256	-5.89	49.49
5	15780.00	62.5 PK	74.0	-11.5	1.19 V	23	7.61	54.89
6	15780.00	51.4 AV	54.0	-2.6	1.19 V	23	-3.49	54.89

REMARKS:

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

CHANNEL	TX Channel 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	113.1 PK			1.13 H	132	70.52	42.58
2	*5300.00	103.2 AV			1.13 H	132	60.62	42.58
3	10600.00	55.7 PK	74.0	-18.3	1.18 H	73	6.35	49.35
4	10600.00	43.9 AV	54.0	-10.1	1.18 H	73	-5.45	49.35
5	15900.00	63.1 PK	74.0	-10.9	1.31 H	124	8.01	55.09
6	15900.00	50.9 AV	54.0	-3.1	1.31 H	124	-4.19	55.09
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	115.1 PK			1.54 V	90	72.52	42.58
2	*5300.00	105.5 AV			1.54 V	90	62.92	42.58
3	10600.00	55.3 PK	74.0	-18.7	1.00 V	246	5.95	49.35
4	10600.00	43.9 AV	54.0	-10.1	1.00 V	246	-5.45	49.35
5	15900.00	61.9 PK	74.0	-12.1	1.18 V	21	6.81	55.09
6	15900.00	50.9 AV	54.0	-3.1	1.18 V	21	-4.19	55.09

REMARKS:

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

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	106.3 PK			1.40 H	294	63.71	42.59
2	*5320.00	96.4 AV			1.40 H	294	53.81	42.59
3	5350.00	61.8 PK	74.0	-12.2	1.40 H	294	19.21	42.59
4	5350.00	51.1 AV	54.0	-2.9	1.40 H	294	8.51	42.59
5	10640.00	55.4 PK	74.0	-18.6	1.21 H	69	5.94	49.46
6	10640.00	43.8 AV	54.0	-10.2	1.21 H	69	-5.66	49.46
7	15960.00	62.8 PK	74.0	-11.2	1.32 H	139	7.97	54.83
8	15960.00	50.6 AV	54.0	-3.4	1.32 H	139	-4.23	54.83
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	108.6 PK			1.66 V	257	66.01	42.59
2	*5320.00	99.3 AV			1.66 V	257	56.71	42.59
3	5350.00	63.6 PK	74.0	-10.4	1.58 V	259	21.01	42.59
4	5350.00	51.7 AV	54.0	-2.3	1.58 V	259	9.11	42.59
5	10640.00	55.4 PK	74.0	-18.6	1.00 V	235	5.94	49.46
6	10640.00	43.9 AV	54.0	-10.1	1.00 V	235	-5.56	49.46
7	15960.00	61.7 PK	74.0	-12.3	1.12 V	26	6.87	54.83
8	15960.00	50.7 AV	54.0	-3.3	1.12 V	26	-4.13	54.83

REMARKS:

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

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	5460.00	58.7 PK	74.0	-15.3	1.41 H	298	15.88	42.82
2	5460.00	48.4 AV	54.0	-5.6	1.41 H	298	5.58	42.82
3	#5470.00	64.5 PK	74.0	-9.5	1.41 H	298	21.65	42.85
4	#5470.00	51.1 AV	54.0	-2.9	1.41 H	298	8.25	42.85
5	*5500.00	105.6 PK			1.41 H	298	62.64	42.96
6	*5500.00	96.6 AV			1.41 H	298	53.64	42.96
7	11000.00	55.8 PK	74.0	-18.2	1.21 H	83	5.79	50.01
8	11000.00	43.8 AV	54.0	-10.2	1.21 H	83	-6.21	50.01
9	#16500.00	63.0 PK	74.0	-11.0	1.25 H	134	6.63	56.37
10	#16500.00	50.8 AV	54.0	-3.2	1.25 H	134	-5.57	56.37
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	63.4 PK	74.0	-10.6	1.58 V	257	20.58	42.82
2	5460.00	49.1 AV	54.0	-4.9	1.58 V	257	6.28	42.82
3	#5470.00	68.2 PK	74.0	-5.8	1.58 V	257	25.35	42.85
4	#5470.00	52.0 AV	54.0	-2.0	1.58 V	257	9.15	42.85
5	*5500.00	108.4 PK			1.57 V	258	65.44	42.96
6	*5500.00	99.0 AV			1.57 V	258	56.04	42.96
7	11000.00	55.2 PK	74.0	-18.8	1.00 V	243	5.19	50.01
8	11000.00	43.6 AV	54.0	-10.4	1.00 V	243	-6.41	50.01
9	#16500.00	61.5 PK	74.0	-12.5	1.10 V	34	5.13	56.37
10	#16500.00	50.7 AV	54.0	-3.3	1.10 V	34	-5.67	56.37

REMARKS:

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

CHANNEL	TX Channel 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	110.1 PK			1.32 H	287	66.96	43.14
2	*5580.00	99.6 AV			1.32 H	287	56.46	43.14
3	11160.00	57.0 PK	74.0	-17.0	1.05 H	163	7.29	49.71
4	11160.00	43.8 AV	54.0	-10.2	1.05 H	163	-5.91	49.71
5	#16740.00	62.9 PK	74.0	-11.1	1.32 H	166	6.48	56.42
6	#16740.00	50.8 AV	54.0	-3.2	1.32 H	166	-5.62	56.42
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	112.4 PK			1.57 V	88	69.26	43.14
2	*5580.00	102.3 AV			1.57 V	88	59.16	43.14
3	11160.00	55.7 PK	74.0	-18.3	1.00 V	231	5.99	49.71
4	11160.00	44.1 AV	54.0	-9.9	1.00 V	231	-5.61	49.71
5	#16740.00	61.8 PK	74.0	-12.2	1.19 V	13	5.38	56.42
6	#16740.00	50.9 AV	54.0	-3.1	1.19 V	13	-5.52	56.42

REMARKS:

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

CHANNEL	TX Channel 132	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	*5660.00	109.5 PK			1.35 H	281	66.26	43.24
2	*5660.00	99.4 AV			1.35 H	281	56.16	43.24
3	11320.00	56.7 PK	74.0	-17.3	1.06 H	167	6.60	50.10
4	11320.00	43.8 AV	54.0	-10.2	1.06 H	167	-6.30	50.10
5	#16980.00	62.3 PK	74.0	-11.7	1.36 H	139	5.12	57.18
6	#16980.00	50.4 AV	54.0	-3.6	1.36 H	139	-6.78	57.18
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	*5660.00	113.1 PK			1.56 V	89	69.86	43.24
2	*5660.00	102.6 AV			1.56 V	89	59.36	43.24
3	11320.00	55.3 PK	74.0	-18.7	1.00 V	259	5.20	50.10
4	11320.00	44.0 AV	54.0	-10.0	1.00 V	259	-6.10	50.10
5	#16980.00	62.3 PK	74.0	-11.7	1.20 V	7	5.12	57.18
6	#16980.00	51.2 AV	54.0	-2.8	1.20 V	7	-5.98	57.18

REMARKS:

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

CHANNEL	TX Channel 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	104.3 PK			1.32 H	289	61.03	43.27
2	*5700.00	94.9 AV			1.32 H	289	51.63	43.27
3	#5725.00	62.1 PK	74.0	-11.9	1.32 H	289	18.80	43.30
4	#5725.00	48.9 AV	54.0	-5.1	1.32 H	289	5.60	43.30
5	11400.00	57.3 PK	74.0	-16.7	1.10 H	182	7.38	49.92
6	11400.00	44.2 AV	54.0	-9.8	1.10 H	182	-5.72	49.92
7	#17100.00	61.9 PK	74.0	-12.1	1.32 H	154	4.82	57.08
8	#17100.00	50.2 AV	54.0	-3.8	1.32 H	154	-6.88	57.08
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.2 PK			1.66 V	281	62.93	43.27
2	*5700.00	97.2 AV			1.66 V	281	53.93	43.27
3	#5725.00	68.6 PK	74.0	-5.4	1.69 V	281	25.30	43.30
4	#5725.00	51.8 AV	54.0	-2.2	1.69 V	281	8.50	43.30
5	11400.00	54.6 PK	74.0	-19.4	1.00 V	231	4.68	49.92
6	11400.00	43.3 AV	54.0	-10.7	1.00 V	231	-6.62	49.92
7	#17100.00	62.0 PK	74.0	-12.0	1.16 V	18	4.92	57.08
8	#17100.00	50.9 AV	54.0	-3.1	1.16 V	18	-6.18	57.08

REMARKS:

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

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	63.9 PK	74.0	-10.1	1.41 H	298	21.60	42.30
2	5150.00	49.5 AV	54.0	-4.5	1.41 H	298	7.20	42.30
3	*5180.00	105.6 PK			1.41 H	298	63.20	42.40
4	*5180.00	96.9 AV			1.41 H	298	54.50	42.40
5	#10360.00	56.8 PK	74.0	-17.2	1.10 H	189	7.59	49.21
6	#10360.00	44.5 AV	54.0	-9.5	1.10 H	189	-4.71	49.21
7	15540.00	62.1 PK	74.0	-11.9	1.31 H	155	7.00	55.10
8	15540.00	50.5 AV	54.0	-3.5	1.31 H	155	-4.60	55.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	65.9 PK	74.0	-8.1	1.70 V	256	23.60	42.30
2	5150.00	52.0 AV	54.0	-2.0	1.70 V	256	9.70	42.30
3	*5180.00	107.6 PK			1.71 V	258	65.20	42.40
4	*5180.00	98.3 AV			1.71 V	258	55.90	42.40
5	#10360.00	54.8 PK	74.0	-19.2	1.05 V	232	5.59	49.21
6	#10360.00	43.6 AV	54.0	-10.4	1.05 V	232	-5.61	49.21
7	15540.00	62.6 PK	74.0	-11.4	1.19 V	22	7.50	55.10
8	15540.00	50.6 AV	54.0	-3.4	1.19 V	22	-4.50	55.10

REMARKS:

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

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK)
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	106.8 PK			1.42 H	287	64.33	42.47
2	*5200.00	97.5 AV			1.42 H	287	55.03	42.47
3	#10400.00	56.8 PK	74.0	-17.2	1.11 H	177	7.97	48.83
4	#10400.00	44.3 AV	54.0	-9.7	1.11 H	177	-4.53	48.83
5	15600.00	61.4 PK	74.0	-12.6	1.29 H	148	6.43	54.97
6	15600.00	50.1 AV	54.0	-3.9	1.29 H	148	-4.87	54.97
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	108.5 PK			1.57 V	86	66.03	42.47
2	*5200.00	99.3 AV			1.57 V	86	56.83	42.47
3	#10400.00	54.2 PK	74.0	-19.8	1.08 V	222	5.37	48.83
4	#10400.00	43.2 AV	54.0	-10.8	1.08 V	222	-5.63	48.83
5	15600.00	63.0 PK	74.0	-11.0	1.21 V	23	8.03	54.97
6	15600.00	50.8 AV	54.0	-3.2	1.21 V	23	-4.17	54.97

REMARKS:

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

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
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			1.43 H	288	64.19	42.51
2	*5240.00	97.3 AV			1.43 H	288	54.79	42.51
3	#10480.00	57.2 PK	74.0	-16.8	1.11 H	187	7.81	49.39
4	#10480.00	45.0 AV	54.0	-9.0	1.11 H	187	-4.39	49.39
5	15720.00	62.5 PK	74.0	-11.5	1.35 H	149	7.80	54.70
6	15720.00	50.7 AV	54.0	-3.3	1.35 H	149	-4.00	54.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	108.9 PK			1.53 V	90	66.39	42.51
2	*5240.00	99.5 AV			1.53 V	90	56.99	42.51
3	#10480.00	54.4 PK	74.0	-19.6	1.10 V	216	5.01	49.39
4	#10480.00	43.2 AV	54.0	-10.8	1.10 V	216	-6.19	49.39
5	15720.00	63.1 PK	74.0	-10.9	1.18 V	23	8.40	54.70
6	15720.00	50.8 AV	54.0	-3.2	1.18 V	23	-3.90	54.70

REMARKS:

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

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
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	*5260.00	113.2 PK			1.41 H	283	70.66	42.54
2	*5260.00	103.3 AV			1.41 H	283	60.76	42.54
3	#10520.00	56.8 PK	74.0	-17.2	1.05 H	183	7.31	49.49
4	#10520.00	44.4 AV	54.0	-9.6	1.05 H	183	-5.09	49.49
5	15780.00	62.2 PK	74.0	-11.8	1.25 H	146	7.31	54.89
6	15780.00	50.5 AV	54.0	-3.5	1.25 H	146	-4.39	54.89
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	*5260.00	115.4 PK			1.51 V	82	72.86	42.54
2	*5260.00	105.1 AV			1.51 V	82	62.56	42.54
3	#10520.00	55.0 PK	74.0	-19.0	1.08 V	229	5.51	49.49
4	#10520.00	43.9 AV	54.0	-10.1	1.08 V	229	-5.59	49.49
5	15780.00	62.9 PK	74.0	-11.1	1.16 V	22	8.01	54.89
6	15780.00	50.7 AV	54.0	-3.3	1.16 V	22	-4.19	54.89

REMARKS:

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

CHANNEL	TX Channel 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	113.5 PK			1.42 H	283	70.92	42.58
2	*5300.00	103.0 AV			1.42 H	283	60.42	42.58
3	10600.00	56.3 PK	74.0	-17.7	1.10 H	188	6.95	49.35
4	10600.00	44.0 AV	54.0	-10.0	1.10 H	188	-5.35	49.35
5	15900.00	62.1 PK	74.0	-11.9	1.35 H	145	7.01	55.09
6	15900.00	50.6 AV	54.0	-3.4	1.35 H	145	-4.49	55.09
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	115.6 PK			1.53 V	83	73.02	42.58
2	*5300.00	105.3 AV			1.53 V	83	62.72	42.58
3	10600.00	54.6 PK	74.0	-19.4	1.00 V	218	5.25	49.35
4	10600.00	43.2 AV	54.0	-10.8	1.00 V	218	-6.15	49.35
5	15900.00	62.8 PK	74.0	-11.2	1.20 V	15	7.71	55.09
6	15900.00	50.5 AV	54.0	-3.5	1.20 V	15	-4.59	55.09

REMARKS:

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

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	105.4 PK			1.43 H	288	62.81	42.59
2	*5320.00	96.3 AV			1.43 H	288	53.71	42.59
3	5350.00	66.3 PK	74.0	-7.7	1.43 H	288	23.71	42.59
4	5350.00	50.9 AV	54.0	-3.1	1.43 H	288	8.31	42.59
5	10640.00	56.3 PK	74.0	-17.7	1.14 H	178	6.84	49.46
6	10640.00	44.3 AV	54.0	-9.7	1.14 H	178	-5.16	49.46
7	15960.00	62.1 PK	74.0	-11.9	1.32 H	146	7.27	54.83
8	15960.00	50.8 AV	54.0	-3.2	1.32 H	146	-4.03	54.83
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	107.4 PK			1.65 V	260	64.81	42.59
2	*5320.00	98.2 AV			1.65 V	260	55.61	42.59
3	5350.00	68.4 PK	74.0	-5.6	1.59 V	258	25.81	42.59
4	5350.00	51.9 AV	54.0	-2.1	1.59 V	258	9.31	42.59
5	10640.00	54.7 PK	74.0	-19.3	1.04 V	228	5.24	49.46
6	10640.00	43.3 AV	54.0	-10.7	1.04 V	228	-6.16	49.46
7	15960.00	62.3 PK	74.0	-11.7	1.15 V	33	7.47	54.83
8	15960.00	50.3 AV	54.0	-3.7	1.15 V	33	-4.53	54.83

REMARKS:

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

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	5460.00	60.8 PK	74.0	-13.2	1.45 H	278	17.98	42.82
2	5460.00	47.5 AV	54.0	-6.5	1.45 H	278	4.68	42.82
3	#5470.00	63.5 PK	74.0	-10.5	1.45 H	278	20.65	42.85
4	#5470.00	49.3 AV	54.0	-4.7	1.45 H	278	6.45	42.85
5	*5500.00	104.8 PK			1.45 H	278	61.84	42.96
6	*5500.00	95.9 AV			1.45 H	278	52.94	42.96
7	11000.00	57.1 PK	74.0	-16.9	1.12 H	203	7.09	50.01
8	11000.00	44.9 AV	54.0	-9.1	1.12 H	203	-5.11	50.01
9	#16500.00	61.6 PK	74.0	-12.4	1.33 H	158	5.23	56.37
10	#16500.00	50.0 AV	54.0	-4.0	1.33 H	158	-6.37	56.37
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.4 PK	74.0	-12.6	1.64 V	283	18.58	42.82
2	5460.00	48.9 AV	54.0	-5.1	1.64 V	283	6.08	42.82
3	#5470.00	66.9 PK	74.0	-7.1	1.64 V	283	24.05	42.85
4	#5470.00	51.9 AV	54.0	-2.1	1.64 V	283	9.05	42.85
5	*5500.00	106.3 PK			1.59 V	283	63.34	42.96
6	*5500.00	97.8 AV			1.59 V	283	54.84	42.96
7	11000.00	54.7 PK	74.0	-19.3	1.09 V	246	4.69	50.01
8	11000.00	43.4 AV	54.0	-10.6	1.09 V	246	-6.61	50.01
9	#16500.00	63.0 PK	74.0	-11.0	1.24 V	22	6.63	56.37
10	#16500.00	50.7 AV	54.0	-3.3	1.24 V	22	-5.67	56.37

REMARKS:

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

CHANNEL	TX Channel 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	109.1 PK			1.45 H	281	65.96	43.14
2	*5580.00	98.7 AV			1.45 H	281	55.56	43.14
3	11160.00	56.6 PK	74.0	-17.4	1.04 H	202	6.89	49.71
4	11160.00	44.2 AV	54.0	-9.8	1.04 H	202	-5.51	49.71
5	#16740.00	62.1 PK	74.0	-11.9	1.35 H	151	5.68	56.42
6	#16740.00	50.3 AV	54.0	-3.7	1.35 H	151	-6.12	56.42
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	110.9 PK			1.56 V	283	67.76	43.14
2	*5580.00	101.5 AV			1.56 V	283	58.36	43.14
3	11160.00	54.3 PK	74.0	-19.7	1.00 V	238	4.59	49.71
4	11160.00	43.3 AV	54.0	-10.7	1.00 V	238	-6.41	49.71
5	#16740.00	62.8 PK	74.0	-11.2	1.25 V	28	6.38	56.42
6	#16740.00	50.6 AV	54.0	-3.4	1.25 V	28	-5.82	56.42

REMARKS:

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

CHANNEL	TX Channel 132	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	*5660.00	109.4 PK			1.45 H	284	66.16	43.24
2	*5660.00	98.9 AV			1.45 H	284	55.66	43.24
3	11320.00	56.5 PK	74.0	-17.5	1.13 H	185	6.40	50.10
4	11320.00	44.1 AV	54.0	-9.9	1.13 H	185	-6.00	50.10
5	#16980.00	61.5 PK	74.0	-12.5	1.29 H	139	4.32	57.18
6	#16980.00	50.1 AV	54.0	-3.9	1.29 H	139	-7.08	57.18
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	*5660.00	111.5 PK			1.54 V	281	68.26	43.24
2	*5660.00	101.8 AV			1.54 V	281	58.56	43.24
3	11320.00	55.2 PK	74.0	-18.8	1.00 V	231	5.10	50.10
4	11320.00	43.9 AV	54.0	-10.1	1.00 V	231	-6.20	50.10
5	#16980.00	62.0 PK	74.0	-12.0	1.21 V	9	4.82	57.18
6	#16980.00	50.1 AV	54.0	-3.9	1.21 V	9	-7.08	57.18

REMARKS:

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

CHANNEL	TX Channel 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	103.1 PK			1.33 H	287	59.83	43.27
2	*5700.00	93.3 AV			1.33 H	287	50.03	43.27
3	#5725.00	64.6 PK	74.0	-9.4	1.33 H	287	21.30	43.30
4	#5725.00	49.5 AV	54.0	-4.5	1.33 H	287	6.20	43.30
5	11400.00	57.2 PK	74.0	-16.8	1.05 H	182	7.28	49.92
6	11400.00	44.7 AV	54.0	-9.3	1.05 H	182	-5.22	49.92
7	#17100.00	62.1 PK	74.0	-11.9	1.33 H	152	5.02	57.08
8	#17100.00	50.5 AV	54.0	-3.5	1.33 H	152	-6.58	57.08
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	105.0 PK			1.61 V	277	61.73	43.27
2	*5700.00	95.5 AV			1.61 V	277	52.23	43.27
3	#5725.00	66.3 PK	74.0	-7.7	1.62 V	278	23.00	43.30
4	#5725.00	51.6 AV	54.0	-2.4	1.62 V	278	8.30	43.30
5	11400.00	54.9 PK	74.0	-19.1	1.07 V	230	4.98	49.92
6	11400.00	43.6 AV	54.0	-10.4	1.07 V	230	-6.32	49.92
7	#17100.00	62.3 PK	74.0	-11.7	1.16 V	9	5.22	57.08
8	#17100.00	50.4 AV	54.0	-3.6	1.16 V	9	-6.68	57.08

REMARKS:

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

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	62.5 PK	74.0	-11.5	1.33 H	284	20.20	42.30
2	5150.00	50.1 AV	54.0	-3.9	1.33 H	284	7.80	42.30
3	*5190.00	98.5 PK			1.33 H	281	56.06	42.44
4	*5190.00	89.3 AV			1.33 H	281	46.86	42.44
5	#10380.00	57.7 PK	74.0	-16.3	1.00 H	191	8.68	49.02
6	#10380.00	45.0 AV	54.0	-9.0	1.00 H	191	-4.02	49.02
7	15570.00	64.2 PK	74.0	-9.8	1.38 H	55	9.16	55.04
8	15570.00	51.6 AV	54.0	-2.4	1.38 H	55	-3.44	55.04
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	64.7 PK	74.0	-9.3	1.58 V	255	22.40	42.30
2	5150.00	52.0 AV	54.0	-2.0	1.58 V	255	9.70	42.30
3	*5190.00	100.0 PK			1.58 V	254	57.56	42.44
4	*5190.00	91.6 AV			1.58 V	254	49.16	42.44
5	#10380.00	57.5 PK	74.0	-16.5	1.07 V	114	8.48	49.02
6	#10380.00	45.1 AV	54.0	-8.9	1.07 V	114	-3.92	49.02
7	15570.00	64.6 PK	74.0	-9.4	1.48 V	54	9.56	55.04
8	15570.00	51.0 AV	54.0	-3.0	1.48 V	54	-4.04	55.04

REMARKS:

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

CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK)
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	105.1 PK			1.31 H	293	62.60	42.50
2	*5230.00	95.3 AV			1.31 H	293	52.80	42.50
3	#10460.00	57.2 PK	74.0	-16.8	1.00 H	174	7.95	49.25
4	#10460.00	44.6 AV	54.0	-9.4	1.00 H	174	-4.65	49.25
5	15690.00	64.2 PK	74.0	-9.8	1.35 H	43	9.53	54.67
6	15690.00	51.3 AV	54.0	-2.7	1.35 H	43	-3.37	54.67
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	107.3 PK			1.57 V	84	64.80	42.50
2	*5230.00	97.8 AV			1.57 V	84	55.30	42.50
3	#10460.00	57.0 PK	74.0	-17.0	1.01 V	110	7.75	49.25
4	#10460.00	44.5 AV	54.0	-9.5	1.01 V	110	-4.75	49.25
5	15690.00	64.4 PK	74.0	-9.6	1.53 V	40	9.73	54.67
6	15690.00	50.9 AV	54.0	-3.1	1.53 V	40	-3.77	54.67

REMARKS:

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

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
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	*5270.00	105.1 PK			1.35 H	288	62.55	42.55
2	*5270.00	96.2 AV			1.35 H	288	53.65	42.55
3	#10540.00	57.5 PK	74.0	-16.5	1.01 H	182	8.04	49.46
4	#10540.00	44.6 AV	54.0	-9.4	1.01 H	182	-4.86	49.46
5	15810.00	63.7 PK	74.0	-10.3	1.36 H	39	8.74	54.96
6	15810.00	51.4 AV	54.0	-2.6	1.36 H	39	-3.56	54.96
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5270.00	107.5 PK			1.53 V	85	64.95	42.55
2	*5270.00	98.1 AV			1.53 V	85	55.55	42.55
3	#10540.00	56.8 PK	74.0	-17.2	1.00 V	99	7.34	49.46
4	#10540.00	44.5 AV	54.0	-9.5	1.00 V	99	-4.96	49.46
5	15810.00	65.1 PK	74.0	-8.9	1.51 V	46	10.14	54.96
6	15810.00	51.2 AV	54.0	-2.8	1.51 V	46	-3.76	54.96

REMARKS:

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

CHANNEL	TX Channel 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	98.8 PK			1.31 H	291	56.22	42.58
2	*5310.00	89.6 AV			1.31 H	291	47.02	42.58
3	5350.00	60.5 PK	74.0	-13.5	1.31 H	291	17.91	42.59
4	5350.00	48.5 AV	54.0	-5.5	1.31 H	291	5.91	42.59
5	10620.00	57.5 PK	74.0	-16.5	1.00 H	168	8.10	49.40
6	10620.00	44.8 AV	54.0	-9.2	1.00 H	168	-4.60	49.40
7	15930.00	63.9 PK	74.0	-10.1	1.34 H	36	8.94	54.96
8	15930.00	51.3 AV	54.0	-2.7	1.34 H	36	-3.66	54.96
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	100.7 PK			1.64 V	258	58.12	42.58
2	*5310.00	91.9 AV			1.64 V	258	49.32	42.58
3	5350.00	65.4 PK	74.0	-8.6	1.63 V	260	22.81	42.59
4	5350.00	51.5 AV	54.0	-2.5	1.63 V	260	8.91	42.59
5	10620.00	57.6 PK	74.0	-16.4	1.02 V	116	8.20	49.40
6	10620.00	45.1 AV	54.0	-8.9	1.02 V	116	-4.30	49.40
7	15930.00	65.2 PK	74.0	-8.8	1.57 V	54	10.24	54.96
8	15930.00	51.2 AV	54.0	-2.8	1.57 V	54	-3.76	54.96

REMARKS:

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

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	5460.00	58.8 PK	74.0	-15.2	1.33 H	283	15.98	42.82
2	5460.00	47.3 AV	54.0	-6.7	1.33 H	283	4.48	42.82
3	#5470.00	60.3 PK	74.0	-13.7	1.33 H	283	17.45	42.85
4	#5470.00	48.6 AV	54.0	-5.4	1.33 H	283	5.75	42.85
5	*5510.00	98.5 PK			1.33 H	283	55.52	42.98
6	*5510.00	89.3 AV			1.33 H	283	46.32	42.98
7	11020.00	57.7 PK	74.0	-16.3	1.00 H	173	7.75	49.95
8	11020.00	44.8 AV	54.0	-9.2	1.00 H	173	-5.15	49.95
9	#16530.00	63.6 PK	74.0	-10.4	1.29 H	21	6.97	56.63
10	#16530.00	51.0 AV	54.0	-3.0	1.29 H	21	-5.63	56.63
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.4 PK	74.0	-13.6	1.54 V	282	17.58	42.82
2	5460.00	48.5 AV	54.0	-5.5	1.54 V	282	5.68	42.82
3	#5470.00	66.2 PK	74.0	-7.8	1.53 V	282	23.35	42.85
4	#5470.00	51.5 AV	54.0	-2.5	1.53 V	282	8.65	42.85
5	*5510.00	100.3 PK			1.54 V	282	57.32	42.98
6	*5510.00	91.7 AV			1.54 V	282	48.72	42.98
7	11020.00	57.2 PK	74.0	-16.8	1.08 V	98	7.25	49.95
8	11020.00	44.8 AV	54.0	-9.2	1.08 V	98	-5.15	49.95
9	#16530.00	64.9 PK	74.0	-9.1	1.48 V	48	8.27	56.63
10	#16530.00	51.2 AV	54.0	-2.8	1.48 V	48	-5.43	56.63

REMARKS:

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

CHANNEL	TX Channel 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	106.3 PK			1.35 H	281	63.22	43.08
2	*5550.00	96.3 AV			1.35 H	281	53.22	43.08
3	11100.00	57.6 PK	74.0	-16.4	1.00 H	159	7.90	49.70
4	11100.00	44.6 AV	54.0	-9.4	1.00 H	159	-5.10	49.70
5	#16650.00	63.5 PK	74.0	-10.5	1.23 H	25	6.60	56.90
6	#16650.00	50.8 AV	54.0	-3.2	1.23 H	25	-6.10	56.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	108.8 PK			1.57 V	83	65.72	43.08
2	*5550.00	98.8 AV			1.57 V	83	55.72	43.08
3	11100.00	57.3 PK	74.0	-16.7	1.05 V	102	7.60	49.70
4	11100.00	44.8 AV	54.0	-9.2	1.05 V	102	-4.90	49.70
5	#16650.00	64.6 PK	74.0	-9.4	1.53 V	52	7.70	56.90
6	#16650.00	50.9 AV	54.0	-3.1	1.53 V	52	-6.00	56.90

REMARKS:

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

CHANNEL	TX Channel 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	101.8 PK			1.36 H	290	58.55	43.25
2	*5670.00	92.1 AV			1.36 H	290	48.85	43.25
3	#5725.00	71.0 PK	74.0	-3.0	1.36 H	290	27.70	43.30
4	#5725.00	51.3 AV	54.0	-2.7	1.36 H	290	8.00	43.30
5	11340.00	57.5 PK	74.0	-16.5	1.04 H	147	7.44	50.06
6	11340.00	44.4 AV	54.0	-9.6	1.04 H	147	-5.66	50.06
7	#17010.00	63.7 PK	74.0	-10.3	1.22 H	18	6.42	57.28
8	#17010.00	51.2 AV	54.0	-2.8	1.22 H	18	-6.08	57.28
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	102.5 PK			1.50 V	258	59.25	43.25
2	*5670.00	94.1 AV			1.50 V	258	50.85	43.25
3	#5725.00	67.2 PK	74.0	-6.8	1.61 V	278	23.90	43.30
4	#5725.00	51.2 AV	54.0	-2.8	1.61 V	278	7.90	43.30
5	11340.00	57.8 PK	74.0	-16.2	1.07 V	106	7.74	50.06
6	11340.00	45.2 AV	54.0	-8.8	1.07 V	106	-4.86	50.06
7	#17010.00	65.2 PK	74.0	-8.8	1.48 V	63	7.92	57.28
8	#17010.00	51.4 AV	54.0	-2.6	1.48 V	63	-5.88	57.28

REMARKS:

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

802.11ac (VHT80)

CHANNEL	TX Channel 42	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	60.2 PK	74.0	-13.8	1.48 H	294	17.90	42.30
2	5150.00	48.2 AV	54.0	-5.8	1.48 H	294	5.90	42.30
3	*5210.00	90.2 PK			1.48 H	294	47.72	42.48
4	*5210.00	80.2 AV			1.48 H	294	37.72	42.48
5	#10420.00	57.6 PK	74.0	-16.4	1.05 H	154	8.63	48.97
6	#10420.00	44.5 AV	54.0	-9.5	1.05 H	154	-4.47	48.97
7	15630.00	63.5 PK	74.0	-10.5	1.23 H	21	8.63	54.87
8	15630.00	50.5 AV	54.0	-3.5	1.23 H	21	-4.37	54.87
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	64.0 PK	74.0	-10.0	1.73 V	259	21.70	42.30
2	5150.00	51.9 AV	54.0	-2.1	1.73 V	259	9.60	42.30
3	*5210.00	95.8 PK			1.71 V	262	53.32	42.48
4	*5210.00	84.6 AV			1.71 V	262	42.12	42.48
5	#10420.00	57.9 PK	74.0	-16.1	1.03 V	115	8.93	48.97
6	#10420.00	45.3 AV	54.0	-8.7	1.03 V	115	-3.67	48.97
7	15630.00	65.2 PK	74.0	-8.8	1.43 V	67	10.33	54.87
8	15630.00	51.2 AV	54.0	-2.8	1.43 V	67	-3.67	54.87

REMARKS:

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

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK)
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	*5290.00	92.7 PK			1.45 H	299	50.13	42.57
2	*5290.00	82.7 AV			1.45 H	299	40.13	42.57
3	5350.00	62.1 PK	74.0	-11.9	1.45 H	299	19.51	42.59
4	5350.00	49.5 AV	54.0	-4.5	1.45 H	299	6.91	42.59
5	#10580.00	57.7 PK	74.0	-16.3	1.10 H	169	8.31	49.39
6	#10580.00	44.8 AV	54.0	-9.2	1.10 H	169	-4.59	49.39
7	15870.00	63.1 PK	74.0	-10.9	1.21 H	16	8.05	55.05
8	15870.00	50.0 AV	54.0	-4.0	1.21 H	16	-5.05	55.05
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	96.6 PK			1.61 V	258	54.03	42.57
2	*5290.00	85.9 AV			1.61 V	258	43.33	42.57
3	5350.00	64.5 PK	74.0	-9.5	1.65 V	261	21.91	42.59
4	5350.00	51.3 AV	54.0	-2.7	1.65 V	261	8.71	42.59
5	#10580.00	57.8 PK	74.0	-16.2	1.12 V	98	8.41	49.39
6	#10580.00	45.4 AV	54.0	-8.6	1.12 V	98	-3.99	49.39
7	15870.00	65.4 PK	74.0	-8.6	1.45 V	50	10.35	55.05
8	15870.00	51.6 AV	54.0	-2.4	1.45 V	50	-3.45	55.05

REMARKS:

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

CHANNEL	TX Channel 106	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	5460.00	60.6 PK	74.0	-13.4	1.46 H	300	17.78	42.82
2	5460.00	49.2 AV	54.0	-4.8	1.46 H	300	6.38	42.82
3	#5470.00	61.9 PK	74.0	-12.1	1.46 H	300	19.05	42.85
4	#5470.00	49.8 AV	54.0	-4.2	1.46 H	300	6.95	42.85
5	*5530.00	94.3 PK			1.46 H	300	51.27	43.03
6	*5530.00	83.9 AV			1.46 H	300	40.87	43.03
7	11060.00	57.6 PK	74.0	-16.4	1.05 H	139	7.78	49.82
8	11060.00	44.6 AV	54.0	-9.4	1.05 H	139	-5.22	49.82
9	#16590.00	63.2 PK	74.0	-10.8	1.21 H	30	6.04	57.16
10	#16590.00	50.1 AV	54.0	-3.9	1.21 H	30	-7.06	57.16
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.8 PK	74.0	-11.2	1.58 V	256	19.98	42.82
2	5460.00	50.8 AV	54.0	-3.2	1.58 V	256	7.98	42.82
3	#5470.00	66.0 PK	74.0	-8.0	1.58 V	256	23.15	42.85
4	#5470.00	51.9 AV	54.0	-2.1	1.58 V	256	9.05	42.85
5	*5530.00	96.4 PK			1.58 V	256	53.37	43.03
6	*5530.00	86.5 AV			1.58 V	256	43.47	43.03
7	11060.00	57.5 PK	74.0	-16.5	1.09 V	118	7.68	49.82
8	11060.00	45.1 AV	54.0	-8.9	1.09 V	118	-4.72	49.82
9	#16590.00	64.9 PK	74.0	-9.1	1.52 V	52	7.74	57.16
10	#16590.00	51.2 AV	54.0	-2.8	1.52 V	52	-5.96	57.16

REMARKS:

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

4.3 TRANSMIT POWER MEASUREMENT

4.3.1 LIMITS OF TRANSMIT POWER MEASUREMENT

Frequency Band	Limit
5.15 – 5.25GHz	The lesser of 50mW (17dBm) or 4dBm + 10logB
5.25 – 5.35GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB
5.47 – 5.725GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB
5.725 – 5.825GHz	The lesser of 1W (30dBm) or 17dBm + 10logB

Note: Where B is the 26dB emission bandwidth in MHz.

Per KDB 662911 D01 Multiple Transmitter Output v01r02 Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any NANT;

Array Gain = 5 log(NANT/NSS) dB or 3 dB, whichever is less for 20-MHz channel widths with NANT ≥ 5.

For power measurements on all other devices: Array Gain = 10 log(NANT/NSS) dB.

4.3.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
R&S Spectrum Analyzer	FSP40	100036	Dec. 14, 2011	Dec. 13, 2012

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. Tested date : Nov. 09, 2012

4.3.3 TEST PROCEDURE

FOR POWER OUTPUT MEASUREMENT

Follow FCC KDB 789033 UNII test procedure:

Method SA-1

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1MHz.
3. Set the VBW $\geq 3 \times$ RBW.
4. Number of points in sweep ≥ 2 Span / RBW.
5. Sweep time = auto.
6. Set trigger to free run (duty cycle ≥ 98 percent) ; Set video trigger (duty cycle < 98 percent)
7. Detector = RMS.
8. Trace average at least 100 traces in power averaging mode
9. Compute power by integrating the spectrum across the 26 dB EBW of the signal.

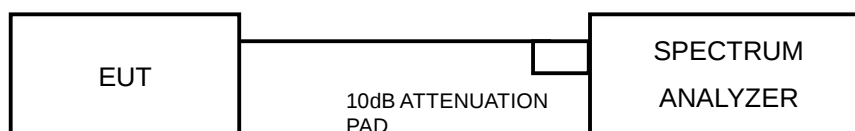
FOR 26dB OCCUPIED BANDWIDTH

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%.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation

4.3.5 TEST SETUP



4.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

4.3.7 TEST RESULTS

POWER OUTPUT:

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (mW)	AVERAGE POWER (dBm)	POWER LIMIT (dBm)	PASS/FAIL
36	5180	27.164	14.34	17	PASS
40	5200	26.424	14.22	17	PASS
48	5240	27.227	14.35	17	PASS
52	5260	109.648	20.40	24	PASS
60	5300	110.154	20.42	24	PASS
64	5320	53.827	17.31	24	PASS
100	5500	44.978	16.53	24	PASS
116	5580	102.094	20.09	24	PASS
132	5660	59.566	17.75	24	PASS
140	5700	42.560	16.29	24	PASS

802.11n (HT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (mW)	AVERAGE POWER (dBm)	POWER LIMIT (dBm)	PASS/FAIL
36	5180	28.973	14.62	17	PASS
40	5200	29.854	14.75	17	PASS
48	5240	28.379	14.53	17	PASS
52	5260	107.152	20.30	24	PASS
60	5300	94.624	19.76	24	PASS
64	5320	43.152	16.35	24	PASS
100	5500	42.073	16.24	24	PASS
116	5580	92.257	19.65	24	PASS
132	5660	50.699	17.05	24	PASS
140	5700	26.915	14.30	24	PASS



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802.11n (HT40)

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (mW)	AVERAGE POWER (dBm)	POWER LIMIT (dBm)	PASS/FAIL
38	5190	10.889	10.37	17	PASS
46	5230	30.409	14.83	17	PASS
54	5270	77.268	18.88	24	PASS
62	5310	17.298	12.38	24	PASS
102	5510	24.831	13.95	24	PASS
110	5550	95.940	19.82	24	PASS
134	5670	47.973	16.81	24	PASS

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (mW)	AVERAGE POWER (dBm)	POWER LIMIT (dBm)	PASS/FAIL
42	5210	6.039	7.81	17	PASS
58	5290	12.417	10.94	24	PASS
106	5530	13.677	11.36	24	PASS

26dB OCCUPIED BANDWIDTH:

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)
36	5180	20.47
40	5200	19.25
48	5240	18.91
52	5260	44.29
60	5300	41.92
64	5320	30.07
100	5500	27.87
116	5580	41.64
132	5660	35.76
140	5700	25.41

802.11n (HT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)
36	5180	20.54
40	5200	20.42
48	5240	19.42
52	5260	45.19
60	5300	42.96
64	5320	25.43
100	5500	25.04
116	5580	42.40
132	5660	33.73
140	5700	20.24

802.11n (HT40)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)
38	5190	41.60
46	5230	67.54
54	5270	95.69
62	5310	41.70
102	5510	47.49
110	5550	99.58
134	5670	87.92

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)
42	5210	81.93
58	5290	87.11
106	5530	87.44

4.4 PEAK POWER SPECTRAL DENSITY MEASUREMENT

4.4.1 LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT

Frequency Band	Limit
5.15 ~ 5.25GHz	4dBm
5.25 ~ 5.35GHz	11dBm
5.47 ~ 5.725GHz	11dBm
5.725 ~ 5.825GHz	17dBm

4.4.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
R&S Spectrum Analyzer	FSP40	100036	Dec. 14, 2011	Dec. 13, 2012

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. Tested date : Nov. 09, 2012

4.4.3 TEST PROCEDURES

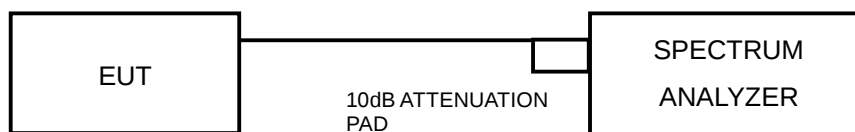
Using method SA-1

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 30 KHz, Set VBW $\geq$ 1 MHz, Detector = RMS
3. Set Channel power measure = 1MHz
4. Sweep time = auto, trigger set to "free run".
5. Trace average at least 100 traces in power averaging mode.
6. Record the max value

4.4.4 DEVIATION FROM TEST STANDARD

No deviation

4.4.5 TEST SETUP



4.4.6 EUT OPERATING CONDITIONS

Same as 4.3.6

4.4.7 TEST RESULTS

802.11a

CHANNEL	FREQUENCY (MHz)	PSD (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
36	5180	3.45	4	PASS
40	5200	3.36	4	PASS
48	5240	3.49	4	PASS
56	5280	9.50	11	PASS
60	5300	9.45	11	PASS
64	5320	6.52	11	PASS
100	5500	5.66	11	PASS
116	5580	9.17	11	PASS
132	5660	6.95	11	PASS
140	5700	5.46	11	PASS

802.11n (HT20)

CHANNEL	FREQUENCY (MHz)	PSD (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
36	5180	3.51	4	PASS
40	5200	3.63	4	PASS
48	5240	3.44	4	PASS
56	5280	9.13	11	PASS
60	5300	8.64	11	PASS
64	5320	5.33	11	PASS
100	5500	5.27	11	PASS
116	5580	8.48	11	PASS
132	5660	6.01	11	PASS
140	5700	3.28	11	PASS

802.11n (HT40)

CHANNEL	FREQUENCY (MHz)	PSD (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
38	5190	-3.95	4	PASS
46	5230	0.45	4	PASS
54	5270	4.52	11	PASS
62	5310	-1.92	11	PASS
102	5510	-0.40	11	PASS
110	5550	5.52	11	PASS
134	5670	2.44	11	PASS

802.11ac (VHT80)

CHANNEL	FREQUENCY (MHz)	PSD (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
42	5210	-9.18	4	PASS
58	5290	-1.79	11	PASS
106	5530	-5.65	11	PASS

4.5 PEAK POWER EXCURSION MEASUREMENT

4.5.1 LIMITS OF PEAK POWER EXCURSION MEASUREMENT

Shall not exceed 13 dB

4.5.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
R&S Spectrum Analyzer	FSP40	100036	Dec. 14, 2011	Dec. 13, 2012

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. Tested date : Nov. 09, 2012

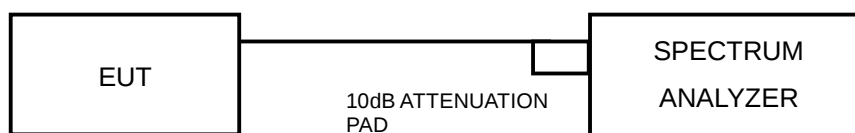
4.5.3 TEST PROCEDURE

1. Set RBW = 1 MHz, VBW $\geq$ 3 MHz, Detector = peak.
2. Trace mode = max-hold. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak search function to find the peak of the spectrum.
4. Measure the PPSD.
5. Compute the ratio of the maximum of the peak-max-hold spectrum to the PPSD.

4.5.4 DEVIATION FROM TEST STANDARD

No deviation

4.5.5 TEST SETUP



4.5.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

4.5.7 TEST RESULTS

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS/FAIL
36	5180	12.01	3.45	8.56	13	PASS
40	5200	11.88	3.36	8.52	13	PASS
48	5240	12.09	3.49	8.60	13	PASS
52	5260	18.44	9.50	8.94	13	PASS
60	5300	17.73	9.45	8.28	13	PASS
64	5320	14.67	6.52	8.15	13	PASS
100	5500	14.04	5.66	8.38	13	PASS
116	5580	18.10	9.17	8.93	13	PASS
132	5660	15.08	6.95	8.13	13	PASS
140	5700	14.19	5.46	8.73	13	PASS

802.11n (HT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS/FAIL
36	5180	11.82	3.51	8.31	13	PASS
40	5200	12.17	3.63	8.54	13	PASS
48	5240	11.93	3.44	8.49	13	PASS
52	5260	17.93	9.13	8.80	13	PASS
60	5300	17.01	8.64	8.37	13	PASS
64	5320	13.26	5.33	7.93	13	PASS
100	5500	13.53	5.27	8.26	13	PASS
116	5580	17.34	8.48	8.86	13	PASS
132	5660	14.00	6.01	7.99	13	PASS
140	5700	11.04	3.28	7.76	13	PASS



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802.11n (HT40)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS/FAIL
38	5190	4.23	-3.95	8.18	13	PASS
46	5230	8.84	0.45	8.39	13	PASS
54	5270	13.00	4.52	8.48	13	PASS
62	5310	6.23	-1.92	8.15	13	PASS
102	5510	7.61	-0.40	8.01	13	PASS
110	5550	14.67	5.52	9.15	13	PASS
134	5670	10.52	2.44	8.08	13	PASS

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS/FAIL
42	5210	-0.51	-9.18	8.67	13	PASS
58	5290	2.56	-1.79	4.35	13	PASS
106	5530	3.18	-5.65	8.83	13	PASS

4.6 FREQUENCY STABILITY

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 INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
R&S Spectrum Analyzer	FSP40	100036	Dec. 14, 2011	Dec. 13, 2012

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. Tested date : Nov. 09, 2012

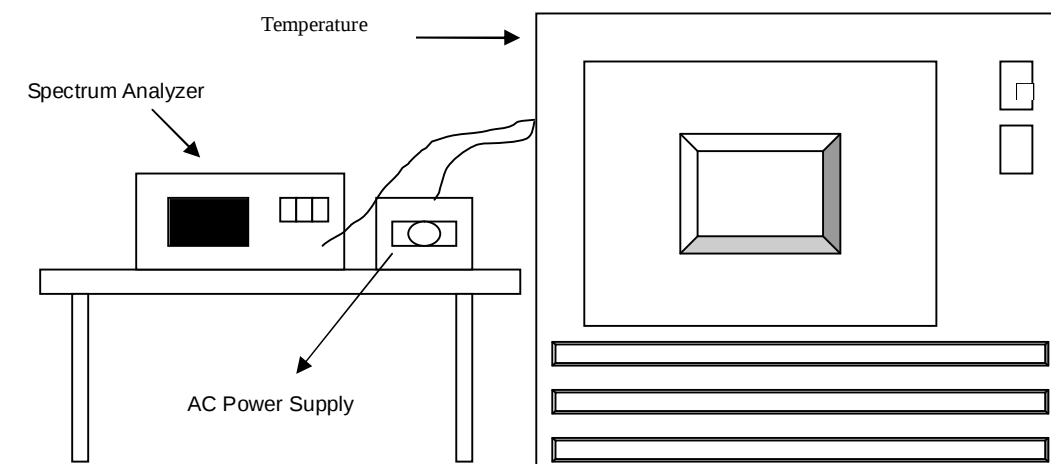
4.6.3 TEST PROCEDURE

1. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
2. Turn the EUT on and couple its output to a spectrum analyzer.
3. Turn the EUT off and set the chamber to the highest temperature specified.
4. 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.
5. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
6. 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.

4.6.4 DEVIATION FROM TEST STANDARD

No deviation

4.6.5 TEST SETUP



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: 5320MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency	Frequency Drift	Measured Frequency	Frequency Drift	Measured Frequency	Frequency Drift	Measured Frequency	Frequency Drift
		(MHz)	ppm	(MHz)	ppm	(MHz)	ppm	(MHz)	ppm
50	120	5320.019	3.5714	5320.0159	2.9887	5320.0195	3.6654	5320.0138	2.5940
40	120	5320.0151	2.8383	5320.017	3.1955	5320.0175	3.2895	5320.012	2.2556
30	120	5320.0277	5.2068	5320.0207	3.8910	5320.025	4.6992	5320.0198	3.7218
20	120	5320.0034	0.6391	5320.0024	0.4511	5320.0036	0.6767	5319.9983	-0.3195
10	120	5320.0303	5.6955	5320.0305	5.7331	5320.0305	5.7331	5320.0224	4.2105
0	120	5320.0025	0.4699	5320.0004	0.0752	5320.0063	1.1842	5320.0073	1.3722
-10	120	5320.0191	3.5902	5320.0153	2.8759	5320.0173	3.2519	5320.0181	3.4023
-20	120	5319.9857	-2.6880	5319.9839	-3.0263	5319.9869	-2.4624	5319.9869	-2.4624
-30	120	5319.9848	-2.8571	5319.9828	-3.2331	5319.987	-2.4436	5319.9873	-2.3872

FREQUENCY STABILITY VERSUS VOLTAGE									
OPERATING FREQUENCY: 5320MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency	Frequency Drift	Measured Frequency	Frequency Drift	Measured Frequency	Frequency Drift	Measured Frequency	Frequency Drift
		(MHz)	ppm	(MHz)	ppm	(MHz)	ppm	(MHz)	ppm
20	138	5320.0043	0.8083	5320.0027	0.5075	5320.0032	0.6015	5319.9992	-0.1504
	120	5320.0034	0.6391	5320.0024	0.4511	5320.0036	0.6767	5319.9983	-0.3195
	102	5320.0037	0.6955	5320.0026	0.4887	5320.0038	0.7143	5319.999	-0.1880

5. PHOTOGRAPHS OF THE TEST CONFIGURATION

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



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6. INFORMATION ON THE TESTING LABORATORIES

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

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

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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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7.APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.

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