

FCC Test Report

(15.407 - WLAN)

Report No.: RF141118C01-5

FCC ID: AZ489FT7062

Test Model: LEX L10

Received Date: Dec. 16, 2014

Test Date: Dec. 27, 2014 ~ Jan. 19, 2015

Issued Date: Jan. 22, 2015

Applicant: Motorola Solutions Inc

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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Release Control Record

Issue No.	Description	Date Issued
RF141118C01-5	Original release	Jan. 22, 2015

1 Certificate of Conformity

Product: Smart phone

Brand: Motorola Solutions Inc

Test Model: LEX L10

Sample Status: Prototype

Applicant: Motorola Solutions Inc

Test Date: Dec. 27, 2014 ~ Jan. 19, 2015

Standards: 47 CFR FCC Part 15, Subpart E (Section 15.407)
ANSI C63.10:2009

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

Prepared by : Celine Chou , **Date:** Jan. 22, 2015
Celine Chou / Specialist

Approved by : Ken Liu , **Date:** Jan. 22, 2015
Ken Liu / Senior Manager

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (SECTION 15.407)			
FCC Clause	Test Item	Result	Remarks
15.207 15.407(b)(6)	AC Power Conducted Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -13.87dB at 0.32595MHz.
15.407(b) (1/2/3/4/6)	Radiated Emissions & Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -1.2dB at 5714.00MHz.
15.407(a)(1/2 /3)	Max Average Transmit Power	Pass	Meet the requirement of limit.
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 connector is coaxial connector with switch not a standard connector.

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) ($\pm$)
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.44 dB
Radiated Emissions up to 1 GHz	30MHz ~ 200MHz	3.86 dB
	200MHz ~ 1000MHz	3.87 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	2.29 dB
	18GHz ~ 40GHz	2.29 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Smart phone
Brand	Motorola Solutions Inc
Test Model	LEX L10
Status of EUT	Prototype
Power Supply Rating	3.7Vdc (Battery) 5Vdc (Adapter)
Mode of Operation	Wireless LAN
Modulation Type	64QAM, 16QAM, QPSK, BPSK
Modulation Technology	OFDM
Transfer Rate	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 72.2Mbps
Operating Frequency	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5700MHz & 5745 ~ 5825MHz
Number of Channel	5180 ~ 5240MHz: 4 for 802.11a, 802.11n (HT20) 2 for 802.11n (HT40) 5260 ~ 5320MHz: 4 for 802.11a, 802.11n (HT20) 2 for 802.11n (HT40) 5500 ~ 5700MHz: 11 for 802.11a, 802.11n (HT20) 5 for 802.11n (HT40) 5745 ~ 5825MHz: 5 for 802.11a, 802.11n (HT20) 2 for 802.11n (HT40)
Output Power	5180 ~ 5240MHz: 35.481mW 5260 ~ 5320MHz: 34.119mW 5500 ~ 5700MHz: 32.734mW 5745 ~ 5825MHz: 27.861mW
Antenna Type	Inverted-L antenna with 3.56dBi gain
Antenna Connector	Coaxial connector with switch
Accessory Device	Refer to Note for more details
Data Cable Supplied	Refer to Note for more details
SW Version	M8974AAAAANLYD4050.1
HW Version	MSM-8974-1-990BPNSP-TR-01-0-AB

Note:

1. The EUT provides 1 completed transmitter and 2 receivers.

Modulation Mode	TX Function
802.11a	1TX
802.11n (HT20)	1TX
802.11n (HT40)	1TX

2. The EUT contains following accessory devices and data cable.

Item	Brand	Model or P/N	Specification
Rechargeable Lithium ion battery	MOTOROLA	PMNN4472A	3.7Vdc, 2340mAh, 8.7Wh
Rechargeable Lithium ion battery	MOTOROLA	PMNN4475A	3.7Vdc, 4560mAh, 16.9Wh
ITE power supply	MOTOROLA	IU08-2050120-WP (P/N: HKTN4008A)	I/P: 100-240Vac, 50-60Hz, 0.2A O/P: 5Vdc, 1.2A
USB cable (CABLE: ES400 USB SYNC AND CHARGE)	N/A	P/N: CKN6969A	1.4m shielded cable without core
Holster	N/A	P/N: HKLN4618A	-

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	5745MHz	161	5805MHz
153	5765MHz	165	5825MHz
157	5785MHz		

2 channels are provided for 802.11n (HT40):

Channel	Frequency	Channel	Frequency
151	5755MHz	159	5795MHz

3.2.1 Test Mode Applicability and Tested Channel Detail

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

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

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

Radiated Emission Test (Above 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6.0
-	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	6.0
-	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	6.0
-	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	6.0
-	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.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11a	5180-5240	36 to 48	36	OFDM	BPSK	6.0
-	802.11a	5260-5320	52 to 64		OFDM	BPSK	6.0
-	802.11a	5500-5700	100 to 140		OFDM	BPSK	6.0
-	802.11a	5745-5825	149 to 165		OFDM	BPSK	6.0

Power Line Conducted Emission Test:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11a	5180-5240	36 to 48	36	OFDM	BPSK	6.0
-	802.11a	5260-5320	52 to 64		OFDM	BPSK	6.0
-	802.11a	5500-5700	100 to 140		OFDM	BPSK	6.0
-	802.11a	5745-5825	149 to 165		OFDM	BPSK	6.0

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.

EUT CONFIGURE MODE	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	6.0
-	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	6.0
-	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	6.0
-	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	6.0
-	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	TESTED BY
RE $\geq$ 1G	17deg. C, 71%RH	120Vac, 60Hz	Jones Chang
RE<1G	17deg. C, 71%RH	120Vac, 60Hz	Jones Chang
PLC	26deg. C, 62%RH	120Vac, 60Hz	Alan Wu
APCM	24deg. C, 64%RH	120Vac, 60Hz	Match Tsui

3.3 Duty Cycle of Test Signal

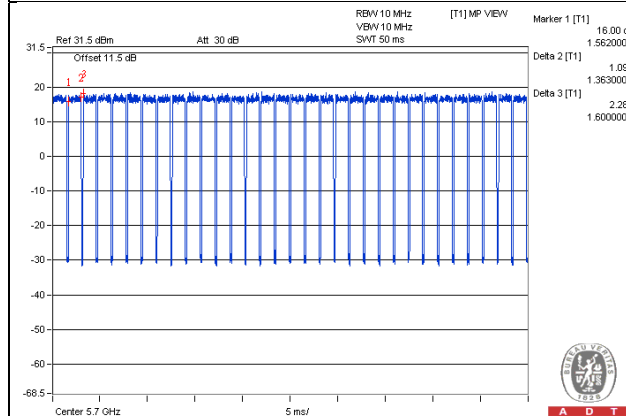
Duty cycle of test signal is < 98 %, duty factor is required

802.11a: Duty cycle = $1.362/1.612 = 0.845$, Duty factor = $10 * \log(1/0.845) = 0.73$

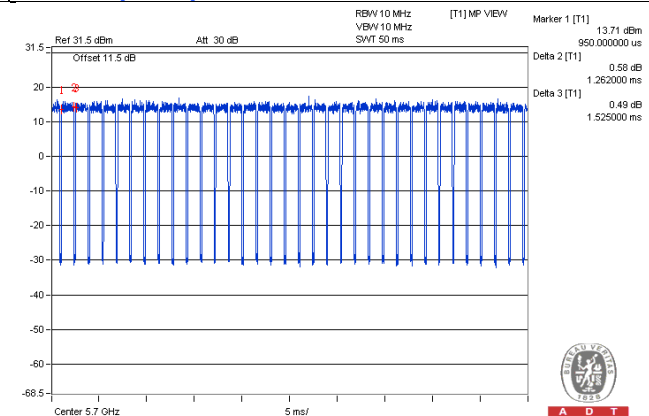
802.11n (HT20): Duty cycle = $1.250/1.475 = 0.847$, Duty factor = $10 * \log(1/0.847) = 0.72$

802.11n (HT40): Duty cycle = $0.563/0.825 = 0.682$, Duty factor = $10 * \log(1/0.682) = 1.66$

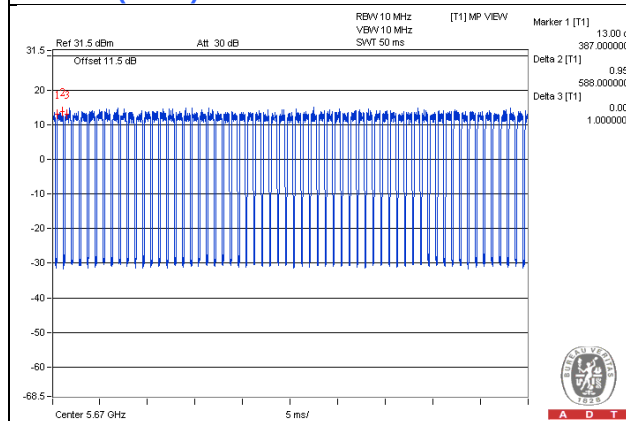
802.11a



802.11n (HT20)



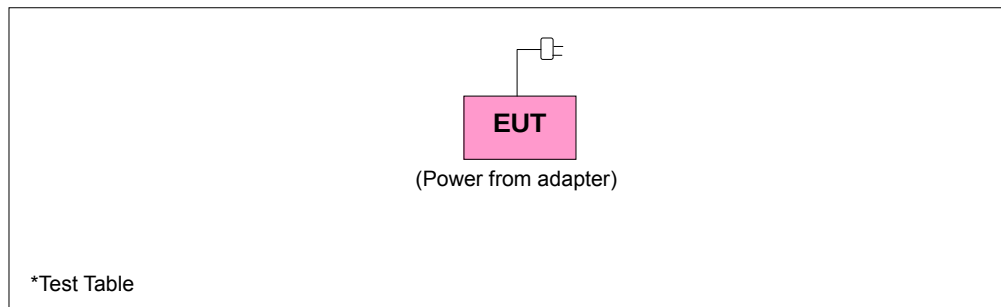
802.11n (HT40)



3.4 Description of Support Units

The EUT has been tested as an independent unit.

3.4.1 Configuration of System under Test



3.5 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 D02 General UNII Test Procedures New Rules v01

ANSI C63.10-2009

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

NOTE: The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It 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. Other emissions shall be at least 20dB below the highest level of the desired power:

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 Procedures New Rules v01	FIELD STRENGTH AT 3m	
	PK:74 (dBuV/m)	AV:54 (dBuV/m)
APPLICABLE TO	EIRP LIMIT	EQUIVALENT FIELD STRENGTH AT 3m
15.407(b)(1)	PK:-27 (dBm/MHz)	PK:68.2(dBuV/m)
15.407(b)(2)		
15.407(b)(3)		
15.407(b)(4)	PK:-27 (dBm/MHz) ^{*1} PK:-17 (dBm/MHz) ^{*2}	PK: 68.2(dBuV/m) ^{*1} PK:78.2 (dBuV/m) ^{*2}

NOTE: ^{*1} beyond 10MHz of the band edge ^{*2} within 10 MHz of band edge

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.	Date Of Calibration	Due Date Of Calibration
Test Receiver ROHDE & SCHWARZ	ESIB7	100187	Jan. 02, 2014	Jan. 01, 2015
			Jan. 02, 2015	Jan. 01, 2016
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Mar. 03, 2014	Mar. 02, 2015
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Feb. 26, 2014	Feb. 25, 2015
HORN Antenna SCHWARZBECK	9120D	209	Aug. 25, 2014	Aug. 24, 2015
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Feb. 17, 2014	Feb. 16, 2015
Preamplifier Agilent	8447D	2944A10738	Oct.18, 2014	Oct. 17, 2015
Preamplifier Agilent	8449B	3008A01964	Aug. 22, 2014	Aug. 21, 2015
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	214378/4	Aug. 22, 2014	Aug. 21, 2015
RF signal cable HUBER+SUHNNER	SUCOFLEX 106	12738/6 +309224/4	Aug. 22, 2014	Aug. 21, 2015
Software BV ADT	ADT_Radiated_ V7.6.15.9.4	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA	NA
Turn Table BV ADT	TT100	TT93021703	NA	NA
Turn Table Controller BV ADT	SC100	SC93021703	NA	NA
High Speed Peak Power Meter	ML2495A	0824011	Jul. 26, 2014	Jul. 25, 2015
Power Sensor	MA2411B	0738171	Jul. 26, 2014	Jul. 25, 2015
WIT Standard Temperature And Humidity Chamber	TH-4S-C	W981030	Jun. 09, 2014	Jun. 08, 2015

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Chamber 3.

3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.

4. The FCC Site Registration No. is 988962.

5. The IC Site Registration No. is IC 7450F-3.

4.1.3 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:

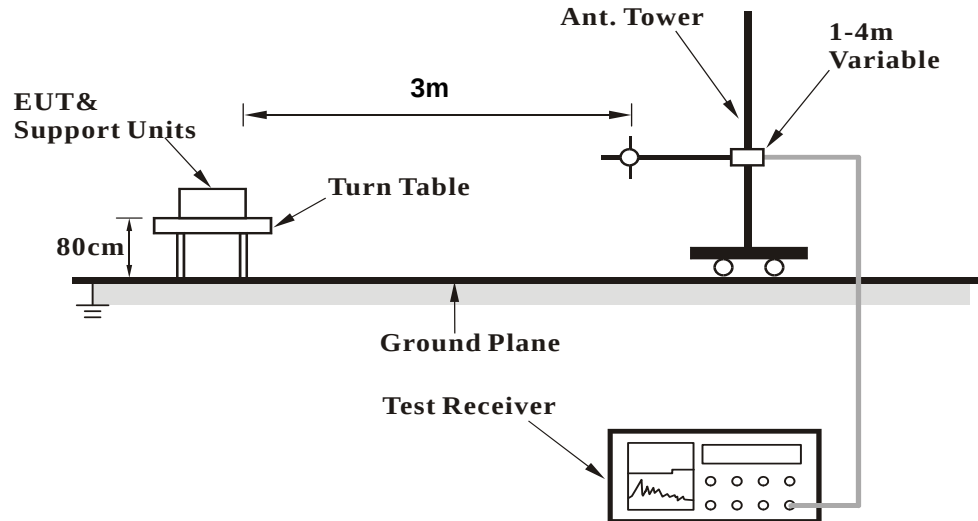
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor ($10 \log(1/\text{duty cycle})$).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

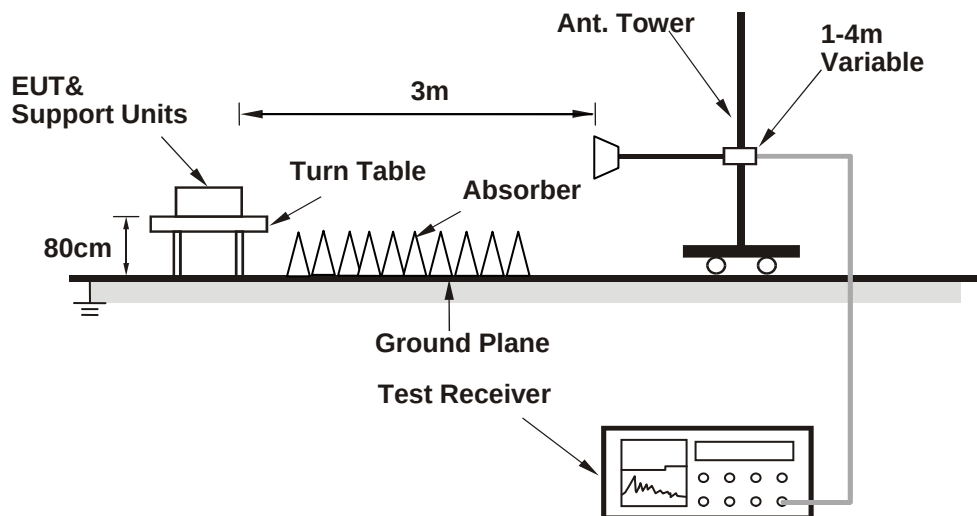
No deviation.

4.1.5 Test Set Up

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



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

4.1.6 EUT Operating Conditions

Set the EUT under transmission condition continuously at specific channel frequency.

4.1.7 Test Results

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	52.7 PK	74.0	-21.3	1.59 H	136	46.30	6.40
2	5150.00	45.8 AV	54.0	-8.2	1.59 H	136	39.40	6.40
3	*5180.00	103.9 PK			1.59 H	136	64.00	39.90
4	*5180.00	93.2 AV			1.59 H	136	53.30	39.90
5	#10360.00	60.2 PK	74.0	-13.8	1.19 H	172	41.60	18.60
6	#10360.00	46.9 AV	54.0	-7.1	1.19 H	172	28.30	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	66.8 PK	74.0	-7.2	1.00 V	142	60.40	6.40
2	5150.00	48.1 AV	54.0	-5.9	1.00 V	142	41.70	6.40
3	*5180.00	108.8 PK			1.00 V	146	68.90	39.90
4	*5180.00	98.3 AV			1.00 V	146	58.40	39.90
5	#10360.00	60.9 PK	74.0	-13.1	1.11 V	340	42.30	18.60
6	#10360.00	47.9 AV	54.0	-6.1	1.11 V	340	29.30	18.60

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	105.6 PK			1.17 H	187	65.60	40.00
2	*5200.00	95.1 AV			1.17 H	187	55.10	40.00
3	#10400.00	60.5 PK	74.0	-13.5	1.27 H	165	41.80	18.70
4	#10400.00	47.3 AV	54.0	-6.7	1.27 H	165	28.60	18.70
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	*5200.00	108.2 PK			1.00 V	135	68.20	40.00
2	*5200.00	98.6 AV			1.00 V	135	58.60	40.00
3	#10400.00	60.8 PK	74.0	-13.2	1.13 V	350	42.10	18.70
4	#10400.00	47.7 AV	54.0	-6.3	1.13 V	350	29.00	18.70

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 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	105.2 PK			1.51 H	137	65.20	40.00
2	*5240.00	94.3 AV			1.51 H	137	54.30	40.00
3	5350.00	58.0 PK	74.0	-16.0	1.51 H	137	51.60	6.40
4	5350.00	45.8 AV	54.0	-8.2	1.51 H	137	39.40	6.40
5	#10480.00	61.2 PK	74.0	-12.8	1.33 H	115	41.90	19.30
6	#10480.00	48.1 AV	54.0	-5.9	1.33 H	115	28.80	19.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	108.9 PK			1.10 V	143	68.90	40.00
2	*5240.00	98.2 AV			1.10 V	143	58.20	40.00
3	#5250.00	59.0 PK	74.0	-15.0	1.10 V	143	52.60	6.40
4	#5250.00	46.8 AV	54.0	-7.2	1.10 V	143	40.40	6.40
5	#10480.00	61.8 PK	74.0	-12.2	1.17 V	166	42.50	19.30
6	#10480.00	48.7 AV	54.0	-5.3	1.17 V	166	29.40	19.30

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	104.2 PK			1.16 H	138	64.20	40.00
2	*5260.00	93.8 AV			1.16 H	138	53.80	40.00
3	5350.00	57.0 PK	74.0	-17.0	1.16 H	138	50.60	6.40
4	5350.00	46.2 AV	54.0	-7.8	1.16 H	138	39.80	6.40
5	#10520.00	61.3 PK	74.0	-12.7	1.20 H	109	41.90	19.40
6	#10520.00	48.3 AV	54.0	-5.7	1.20 H	109	28.90	19.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.9 PK	74.0	-16.1	1.00 V	149	51.50	6.40
2	5150.00	46.8 AV	54.0	-7.2	1.00 V	149	40.40	6.40
3	*5260.00	109.5 PK			1.00 V	149	69.50	40.00
4	*5260.00	98.7 AV			1.00 V	149	58.70	40.00
5	#10520.00	61.7 PK	74.0	-12.3	1.05 V	306	42.30	19.40
6	#10520.00	48.6 AV	54.0	-5.4	1.05 V	306	29.20	19.40

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	104.2 PK			1.04 H	140	64.20	40.00
2	*5300.00	94.2 AV			1.04 H	140	54.20	40.00
3	10600.00	61.4 PK	74.0	-12.6	1.11 H	133	41.90	19.50
4	10600.00	48.2 AV	54.0	-5.8	1.11 H	133	28.70	19.50
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	108.4 PK			1.18 V	126	68.40	40.00
2	*5300.00	98.3 AV			1.18 V	126	58.30	40.00
3	10600.00	61.6 PK	74.0	-12.4	1.00 V	275	42.10	19.50
4	10600.00	48.5 AV	54.0	-5.5	1.00 V	275	29.00	19.50

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	103.4 PK			1.14 H	137	63.40	40.00
2	*5320.00	92.8 AV			1.14 H	137	52.80	40.00
3	5350.00	58.2 PK	74.0	-15.8	1.16 H	140	51.80	6.40
4	5350.00	47.1 AV	54.0	-6.9	1.16 H	140	40.70	6.40
5	10640.00	60.8 PK	74.0	-13.2	1.24 H	137	41.50	19.30
6	10640.00	47.8 AV	54.0	-6.2	1.24 H	137	28.50	19.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	111.3 PK			1.13 V	76	71.30	40.00
2	*5320.00	100.1 AV			1.13 V	76	60.10	40.00
3	5350.00	67.8 PK	74.0	-6.2	1.13 V	85	61.40	6.40
4	5350.00	51.2 AV	54.0	-2.8	1.13 V	85	44.80	6.40
5	10640.00	61.4 PK	74.0	-12.6	1.04 V	117	42.10	19.30
6	10640.00	48.6 AV	54.0	-5.4	1.04 V	117	29.30	19.30

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	60.0 PK	74.0	-14.0	1.05 H	160	53.30	6.70
2	5460.00	46.9 AV	54.0	-7.1	1.05 H	160	40.20	6.70
3	#5470.00	63.0 PK	74.0	-11.0	1.00 H	152	56.30	6.70
4	#5470.00	47.9 AV	54.0	-6.1	1.00 H	152	41.20	6.70
5	*5500.00	100.8 PK			1.00 H	155	60.50	40.30
6	*5500.00	90.0 AV			1.00 H	155	49.70	40.30
7	11000.00	62.0 PK	74.0	-12.0	1.21 H	241	41.50	20.50
8	11000.00	48.8 AV	54.0	-5.2	1.21 H	241	28.30	20.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	64.9 PK	74.0	-9.1	1.00 V	86	58.20	6.70
2	5460.00	48.9 AV	54.0	-5.1	1.00 V	86	42.20	6.70
3	#5470.00	72.4 PK	74.0	-1.6	1.00 V	89	65.70	6.70
4	#5470.00	52.7 AV	54.0	-1.3	1.00 V	89	46.00	6.70
5	*5500.00	110.3 PK			1.10 V	89	70.00	40.30
6	*5500.00	99.4 AV			1.10 V	89	59.10	40.30
7	11000.00	61.9 PK	74.0	-12.1	1.00 V	54	41.40	20.50
8	11000.00	49.0 AV	54.0	-5.0	1.00 V	54	28.50	20.50

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	100.2 PK			1.00 H	148	59.90	40.30
2	*5580.00	90.8 AV			1.00 H	148	50.50	40.30
3	11600.00	60.5 PK	74.0	-13.5	1.13 H	170	41.50	19.00
4	11600.00	47.4 AV	54.0	-6.6	1.13 H	170	28.40	19.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	109.3 PK			1.06 V	108	69.00	40.30
2	*5580.00	98.9 AV			1.06 V	108	58.60	40.30
3	11600.00	61.3 PK	74.0	-12.7	1.00 V	66	42.30	19.00
4	11600.00	48.2 AV	54.0	-5.8	1.00 V	66	29.20	19.00

REMARKS:

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

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	100.8 PK			1.25 H	226	60.30	40.50
2	*5700.00	91.1 AV			1.25 H	226	50.60	40.50
3	#5725.00	64.0 PK	74.0	-10.0	1.17 H	232	56.90	7.10
4	#5725.00	49.0 AV	54.0	-5.0	1.17 H	232	41.90	7.10
5	11400.00	60.6 PK	74.0	-13.4	1.12 H	89	41.60	19.00
6	11400.00	47.8 AV	54.0	-6.2	1.12 H	89	28.80	19.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.3 PK			1.10 V	154	65.80	40.50
2	*5700.00	95.8 AV			1.10 V	154	55.30	40.50
3	#5725.00	66.8 PK	74.0	-7.2	1.09 V	152	59.70	7.10
4	#5725.00	52.6 AV	54.0	-1.4	1.09 V	152	45.50	7.10
5	11400.00	60.6 PK	74.0	-13.4	1.00 V	106	41.60	19.00
6	11400.00	47.8 AV	54.0	-6.2	1.00 V	106	28.80	19.00

REMARKS:

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

CHANNEL	TX Channel 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	#5714.00	68.3 PK	74.0	-5.7	1.05 H	233	61.30	7.00
2	#5714.00	47.2 AV	54.0	-6.8	1.05 H	233	40.20	7.00
3	#5722.00	75.2 PK	78.2	-3.0	1.05 H	233	68.20	7.00
4	#5725.00	75.1 PK	78.2	-3.1	1.05 H	233	68.00	7.10
5	*5745.00	101.9 PK			1.10 H	237	61.30	40.60
6	*5745.00	91.4 AV			1.10 H	237	50.80	40.60
7	11490.00	60.4 PK	74.0	-13.6	1.05 H	172	41.60	18.80
8	11490.00	47.3 AV	54.0	-6.7	1.05 H	172	28.50	18.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	60.0 PK	74.0	-14.0	1.10 V	143	53.00	7.00
2	#5714.00	48.9 AV	54.0	-5.1	1.10 V	143	41.90	7.00
3	#5722.00	76.4 PK	78.2	-1.8	1.10 V	143	69.40	7.00
4	#5725.00	75.1 PK	78.2	-3.1	1.10 V	143	68.00	7.10
5	*5745.00	105.3 PK			1.10 V	142	64.70	40.60
6	*5745.00	95.2 AV			1.10 V	142	54.60	40.60
7	11490.00	61.3 PK	74.0	-12.7	1.10 V	247	42.50	18.80
8	11490.00	48.1 AV	54.0	-5.9	1.10 V	247	29.30	18.80

REMARKS:

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

CHANNEL	TX Channel 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	*5785.00	104.9 PK			1.07 H	225	64.20	40.70
2	*5785.00	94.0 AV			1.07 H	225	53.30	40.70
3	11570.00	61.4 PK	74.0	-12.6	1.19 H	160	42.50	18.90
4	11570.00	48.2 AV	54.0	-5.8	1.19 H	160	29.30	18.90
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	*5785.00	109.0 PK			1.02 V	88	68.30	40.70
2	*5785.00	98.1 AV			1.02 V	88	57.40	40.70
3	11570.00	61.7 PK	74.0	-12.3	1.11 V	360	42.80	18.90
4	11570.00	48.5 AV	54.0	-5.5	1.11 V	360	29.60	18.90

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.

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	*5825.00	105.9 PK			1.03 H	187	65.20	40.70
2	*5825.00	94.9 AV			1.03 H	187	54.20	40.70
3	#5850.00	72.4 PK	78.2	-5.8	1.17 H	233	65.40	7.00
4	#5853.00	73.1 PK	78.2	-5.1	1.17 H	233	66.00	7.10
5	#5861.00	62.0 PK	74.0	-12.0	1.13 H	182	54.90	7.10
6	#5861.00	50.6 AV	54.0	-3.4	1.13 H	182	43.50	7.10
7	11650.00	60.8 PK	74.0	-13.2	1.05 H	177	41.40	19.40
8	11650.00	47.8 AV	54.0	-6.2	1.05 H	177	28.40	19.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	108.9 PK			1.01 V	88	68.20	40.70
2	*5825.00	98.2 AV			1.01 V	88	57.50	40.70
3	#5850.00	73.5 PK	78.2	-4.7	1.01 V	103	66.50	7.00
4	#5853.00	74.8 PK	78.2	-3.4	1.01 V	103	67.70	7.10
5	#5861.00	67.5 PK	74.0	-6.5	1.01 V	103	60.40	7.10
6	#5861.00	50.2 AV	54.0	-3.8	1.01 V	103	43.10	7.10
7	11650.00	61.9 PK	74.0	-12.1	1.00 V	233	42.50	19.40
8	11650.00	48.7 AV	54.0	-5.3	1.00 V	233	29.30	19.40

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	52.4 PK	74.0	-21.6	1.50 H	140	46.00	6.40
2	5150.00	46.5 AV	54.0	-7.5	1.50 H	140	40.10	6.40
3	*5180.00	103.5 PK			1.54 H	137	63.60	39.90
4	*5180.00	93.2 AV			1.54 H	137	53.30	39.90
5	#10360.00	60.6 PK	74.0	-13.4	1.22 H	180	42.00	18.60
6	#10360.00	47.6 AV	54.0	-6.4	1.22 H	180	29.00	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	65.6 PK	74.0	-8.4	1.00 V	146	59.20	6.40
2	5150.00	48.3 AV	54.0	-5.7	1.00 V	146	41.90	6.40
3	*5180.00	109.3 PK			1.00 V	146	69.40	39.90
4	*5180.00	97.6 AV			1.00 V	146	57.70	39.90
5	#10360.00	61.3 PK	74.0	-12.7	1.12 V	190	42.70	18.60
6	#10360.00	48.1 AV	54.0	-5.9	1.12 V	190	29.50	18.60

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	105.8 PK			1.16 H	87	65.80	40.00
2	*5200.00	94.6 AV			1.16 H	87	54.60	40.00
3	#10400.00	60.1 PK	74.0	-13.9	1.26 H	287	41.40	18.70
4	#10400.00	46.9 AV	54.0	-7.1	1.26 H	287	28.20	18.70
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	*5200.00	110.7 PK			1.07 V	91	70.70	40.00
2	*5200.00	100.0 AV			1.07 V	91	60.00	40.00
3	#10400.00	61.2 PK	74.0	-12.8	1.00 V	109	42.50	18.70
4	#10400.00	48.0 AV	54.0	-6.0	1.00 V	109	29.30	18.70

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 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	105.0 PK			1.50 H	136	65.00	40.00
2	*5240.00	93.5 AV			1.50 H	136	53.50	40.00
3	5350.00	57.3 PK	74.0	-16.7	1.51 H	140	50.90	6.40
4	5350.00	45.6 AV	54.0	-8.4	1.51 H	140	39.20	6.40
5	#10480.00	61.0 PK	74.0	-13.0	1.44 H	110	41.70	19.30
6	#10480.00	47.9 AV	54.0	-6.1	1.44 H	110	28.60	19.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	108.7 PK			1.10 V	147	68.70	40.00
2	*5240.00	97.6 AV			1.10 V	147	57.60	40.00
3	5350.00	58.0 PK	74.0	-16.0	1.23 V	129	51.60	6.40
4	5350.00	46.8 AV	54.0	-7.2	1.23 V	129	40.40	6.40
5	#10480.00	60.9 PK	74.0	-13.1	1.20 V	170	41.60	19.30
6	#10480.00	47.6 AV	54.0	-6.4	1.20 V	170	28.30	19.30

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	5150.00	56.8 PK	74.0	-17.2	1.17 H	141	50.40	6.40
2	5150.00	45.5 AV	54.0	-8.5	1.17 H	141	39.10	6.40
3	*5260.00	103.3 PK			1.15 H	137	63.30	40.00
4	*5260.00	92.9 AV			1.15 H	137	52.90	40.00
5	#10520.00	60.7 PK	74.0	-13.3	1.21 H	113	41.30	19.40
6	#10520.00	48.0 AV	54.0	-6.0	1.21 H	113	28.60	19.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.7 PK	74.0	-14.3	1.15 V	80	53.30	6.40
2	5150.00	48.6 AV	54.0	-5.4	1.15 V	80	42.20	6.40
3	*5260.00	111.6 PK			1.15 V	76	71.60	40.00
4	*5260.00	100.3 AV			1.15 V	76	60.30	40.00
5	#10520.00	60.7 PK	74.0	-13.3	1.21 V	113	41.30	19.40
6	#10520.00	48.0 AV	54.0	-6.0	1.21 V	113	28.60	19.40

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	104.0 PK			1.02 H	140	64.00	40.00
2	*5300.00	93.8 AV			1.02 H	140	53.80	40.00
3	10600.00	60.9 PK	74.0	-13.1	1.30 H	205	41.40	19.50
4	10600.00	48.0 AV	54.0	-6.0	1.30 H	205	28.50	19.50
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	110.6 PK			1.05 V	90	70.60	40.00
2	*5300.00	100.5 AV			1.05 V	90	60.50	40.00
3	10600.00	61.1 PK	74.0	-12.9	1.00 V	19	41.60	19.50
4	10600.00	48.1 AV	54.0	-5.9	1.00 V	19	28.60	19.50

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	103.1 PK			1.15 H	136	63.10	40.00
2	*5320.00	92.2 AV			1.15 H	136	52.20	40.00
3	5350.00	58.2 PK	74.0	-15.8	1.14 H	149	51.80	6.40
4	5350.00	47.1 AV	54.0	-6.9	1.14 H	149	40.70	6.40
5	10640.00	61.3 PK	74.0	-12.7	1.26 H	71	42.00	19.30
6	10640.00	48.3 AV	54.0	-5.7	1.26 H	71	29.00	19.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	110.7 PK			1.14 V	76	70.70	40.00
2	*5320.00	100.2 AV			1.14 V	76	60.20	40.00
3	5350.00	68.7 PK	74.0	-5.3	1.13 V	82	62.30	6.40
4	5350.00	51.7 AV	54.0	-2.3	1.13 V	82	45.30	6.40
5	10640.00	61.7 PK	74.0	-12.3	1.16 V	111	42.40	19.30
6	10640.00	48.7 AV	54.0	-5.3	1.16 V	111	29.40	19.30

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	57.6 PK	74.0	-16.4	1.00 H	201	50.90	6.70
2	5460.00	45.5 AV	54.0	-8.5	1.00 H	201	38.80	6.70
3	#5470.00	64.0 PK	74.0	-10.0	1.00 H	190	57.30	6.70
4	#5470.00	47.0 AV	54.0	-7.0	1.00 H	190	40.30	6.70
5	*5500.00	100.0 PK			1.00 H	194	59.70	40.30
6	*5500.00	89.4 AV			1.00 H	194	49.10	40.30
7	11000.00	61.7 PK	74.0	-12.3	1.15 H	264	41.20	20.50
8	11000.00	48.6 AV	54.0	-5.4	1.15 H	264	28.10	20.50
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	63.5 PK	74.0	-10.5	1.00 V	85	56.80	6.70
2	5460.00	49.2 AV	54.0	-4.8	1.00 V	85	42.50	6.70
3	#5470.00	70.6 PK	74.0	-3.4	1.00 V	89	63.90	6.70
4	#5470.00	52.4 AV	54.0	-1.6	1.00 V	89	45.70	6.70
5	*5500.00	110.1 PK			1.00 V	89	69.80	40.30
6	*5500.00	99.6 AV			1.00 V	89	59.30	40.30
7	11000.00	62.0 PK	74.0	-12.0	1.00 V	196	41.50	20.50
8	11000.00	48.6 AV	54.0	-5.4	1.00 V	196	28.10	20.50

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	101.7 PK			1.00 H	155	61.40	40.30
2	*5580.00	90.6 AV			1.00 H	155	50.30	40.30
3	11600.00	60.5 PK	74.0	-13.5	1.13 H	260	41.50	19.00
4	11600.00	47.3 AV	54.0	-6.7	1.13 H	260	28.30	19.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	109.1 PK			1.00 V	92	68.80	40.30
2	*5580.00	98.0 AV			1.00 V	92	57.70	40.30
3	11600.00	60.9 PK	74.0	-13.1	1.00 V	201	41.90	19.00
4	11600.00	47.8 AV	54.0	-6.2	1.00 V	201	28.80	19.00

REMARKS:

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

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	101.8 PK			1.28 H	225	61.30	40.50
2	*5700.00	91.3 AV			1.28 H	225	50.80	40.50
3	#5725.00	67.4 PK	74.0	-6.6	1.13 H	226	60.30	7.10
4	#5725.00	49.6 AV	54.0	-4.4	1.13 H	226	42.50	7.10
5	11400.00	59.2 PK	74.0	-14.8	1.13 H	266	40.20	19.00
6	11400.00	46.1 AV	54.0	-7.9	1.13 H	266	27.10	19.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.3 PK			1.00 V	155	65.80	40.50
2	*5700.00	96.4 AV			1.00 V	155	55.90	40.50
3	#5725.00	72.0 PK	74.0	-2.0	1.00 V	153	64.90	7.10
4	#5725.00	52.3 AV	54.0	-1.7	1.00 V	153	45.20	7.10
5	11400.00	59.4 PK	74.0	-14.6	1.00 V	164	40.40	19.00
6	11400.00	45.9 AV	54.0	-8.1	1.00 V	164	26.90	19.00

REMARKS:

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

CHANNEL	TX Channel 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	#5714.00	58.3 PK	74.0	-15.7	1.10 H	239	51.30	7.00
2	#5714.00	47.8 AV	54.0	-6.2	1.10 H	239	40.80	7.00
3	#5722.00	72.7 PK	78.2	-5.5	1.10 H	240	65.70	7.00
4	#5725.00	71.3 PK	78.2	-6.9	1.10 H	240	64.20	7.10
5	*5745.00	102.1 PK			1.13 H	233	61.50	40.60
6	*5745.00	91.0 AV			1.13 H	233	50.40	40.60
7	11490.00	60.3 PK	74.0	-13.7	1.16 H	189	41.50	18.80
8	11490.00	47.0 AV	54.0	-7.0	1.16 H	189	28.20	18.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	60.5 PK	74.0	-13.5	1.11 V	146	53.50	7.00
2	#5714.00	48.8 AV	54.0	-5.2	1.11 V	146	41.80	7.00
3	#5722.00	76.8 PK	78.2	-1.4	1.10 V	144	69.80	7.00
4	#5725.00	75.6 PK	78.2	-2.6	1.10 V	144	68.50	7.10
5	*5745.00	103.9 PK			1.10 V	144	63.30	40.60
6	*5745.00	93.8 AV			1.10 V	144	53.20	40.60
7	11490.00	61.7 PK	74.0	-12.3	1.02 V	177	42.90	18.80
8	11490.00	48.4 AV	54.0	-5.6	1.02 V	177	29.60	18.80

REMARKS:

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

CHANNEL	TX Channel 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	*5785.00	104.2 PK			1.06 H	224	63.50	40.70
2	*5785.00	93.7 AV			1.06 H	224	53.00	40.70
3	11570.00	60.8 PK	74.0	-13.2	1.08 H	180	41.90	18.90
4	11570.00	47.5 AV	54.0	-6.5	1.08 H	180	28.60	18.90
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	*5785.00	74.0 PK			1.12 V	104	66.90	7.10
2	*5785.00	63.4 AV			1.12 V	104	56.30	7.10
3	11570.00	61.3 PK	74.0	-12.7	1.15 V	144	42.40	18.90
4	11570.00	48.2 AV	54.0	-5.8	1.15 V	144	29.30	18.90

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.

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	*5825.00	104.9 PK			1.07 H	236	64.20	40.70
2	*5825.00	94.3 AV			1.07 H	236	53.60	40.70
3	#5850.00	72.0 PK	78.2	-6.2	1.10 H	233	65.00	7.00
4	#5853.00	71.4 PK	78.2	-6.8	1.10 H	233	64.30	7.10
5	#5861.00	60.6 PK	74.0	-13.4	1.07 H	236	53.50	7.10
6	#5861.00	49.5 AV	54.0	-4.5	1.07 H	236	42.40	7.10
7	11650.00	61.4 PK	74.0	-12.6	1.05 H	203	42.00	19.40
8	11650.00	48.4 AV	54.0	-5.6	1.05 H	203	29.00	19.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	107.5 PK			1.10 V	103	66.80	40.70
2	*5825.00	97.0 AV			1.10 V	103	56.30	40.70
3	#5850.00	74.2 PK	78.2	-4.0	1.12 V	106	67.20	7.00
4	#5853.00	75.8 PK	78.2	-2.4	1.12 V	106	68.70	7.10
5	#5861.00	72.1 PK	74.0	-1.9	1.12 V	106	65.00	7.10
6	#5861.00	51.6 AV	54.0	-2.4	1.12 V	106	44.50	7.10
7	11650.00	62.0 PK	74.0	-12.0	1.15 V	78	42.60	19.40
8	11650.00	48.9 AV	54.0	-5.1	1.15 V	78	29.50	19.40

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	69.4 PK	74.0	-4.6	1.19 H	132	63.00	6.40
2	5150.00	49.9 AV	54.0	-4.1	1.19 H	132	43.50	6.40
3	*5190.00	99.7 PK			1.18 H	136	59.80	39.90
4	*5190.00	89.3 AV			1.18 H	136	49.40	39.90
5	#10380.00	59.8 PK	74.0	-14.2	1.26 H	46	41.10	18.70
6	#10380.00	46.7 AV	54.0	-7.3	1.26 H	46	28.00	18.70
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	5150.00	69.9 PK	74.0	-4.1	1.00 V	142	63.50	6.40
2	5150.00	52.2 AV	54.0	-1.8	1.00 V	142	45.80	6.40
3	*5190.00	104.4 PK			1.00 V	145	64.50	39.90
4	*5190.00	92.7 AV			1.00 V	145	52.80	39.90
5	#10380.00	60.2 PK	74.0	-13.8	1.16 V	303	41.50	18.70
6	#10380.00	47.2 AV	54.0	-6.8	1.16 V	303	28.50	18.70

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 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	101.3 PK			1.18 H	137	61.30	40.00
2	*5230.00	90.5 AV			1.18 H	137	50.50	40.00
3	5350.00	58.6 PK	74.0	-15.4	1.28 H	150	52.20	6.40
4	5350.00	47.4 AV	54.0	-6.6	1.28 H	150	41.00	6.40
5	#10460.00	60.6 PK	74.0	-13.4	1.20 H	177	41.50	19.10
6	#10460.00	47.6 AV	54.0	-6.4	1.20 H	177	28.50	19.10
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	*5230.00	105.9 PK			1.00 V	146	65.90	40.00
2	*5230.00	94.7 AV			1.00 V	146	54.70	40.00
3	5350.00	58.1 PK	74.0	-15.9	1.00 V	150	51.70	6.40
4	5350.00	46.7 AV	54.0	-7.3	1.00 V	150	40.30	6.40
5	#10460.00	61.6 PK	74.0	-12.4	1.01 V	100	42.50	19.10
6	#10460.00	48.4 AV	54.0	-5.6	1.01 V	100	29.30	19.10

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 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	56.6 PK	74.0	-17.4	1.21 H	168	50.20	6.40
2	5150.00	45.9 AV	54.0	-8.1	1.21 H	168	39.50	6.40
3	*5270.00	101.9 PK			1.04 H	133	61.90	40.00
4	*5270.00	90.5 AV			1.04 H	133	50.50	40.00
5	#10540.00	60.5 PK	74.0	-13.5	1.04 H	149	41.10	19.40
6	#10540.00	47.5 AV	54.0	-6.5	1.04 H	149	28.10	19.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.7 PK	74.0	-16.3	1.19 V	83	51.30	6.40
2	5150.00	46.4 AV	54.0	-7.6	1.19 V	83	40.00	6.40
3	*5270.00	108.6 PK			1.15 V	76	68.60	40.00
4	*5270.00	97.2 AV			1.15 V	76	57.20	40.00
5	#10540.00	60.9 PK	74.0	-13.1	1.24 V	199	41.50	19.40
6	#10540.00	47.8 AV	54.0	-6.2	1.24 V	199	28.40	19.40

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	96.2 PK			1.15 H	142	56.20	40.00
2	*5310.00	85.3 AV			1.15 H	142	45.30	40.00
3	5350.00	61.4 PK	74.0	-12.6	1.15 H	142	55.00	6.40
4	5350.00	50.8 AV	54.0	-3.2	1.15 H	142	44.40	6.40
5	10620.00	60.1 PK	74.0	-13.9	1.22 H	138	40.70	19.40
6	10620.00	47.2 AV	54.0	-6.8	1.22 H	138	27.80	19.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	102.9 PK			1.17 V	76	62.90	40.00
2	*5310.00	92.3 AV			1.17 V	76	52.30	40.00
3	5350.00	69.0 PK	74.0	-5.0	1.04 V	133	62.60	6.40
4	5350.00	52.1 AV	54.0	-1.9	1.04 V	133	45.70	6.40
5	10620.00	60.4 PK	74.0	-13.6	1.27 V	88	41.00	19.40
6	10620.00	47.5 AV	54.0	-6.5	1.27 V	88	28.10	19.40

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	57.5 PK	74.0	-16.5	1.10 H	145	50.80	6.70
2	5460.00	46.3 AV	54.0	-7.7	1.10 H	145	39.60	6.70
3	#5470.00	58.9 PK	74.0	-15.1	1.10 H	145	52.20	6.70
4	#5470.00	47.8 AV	54.0	-6.2	1.10 H	145	41.10	6.70
5	*5510.00	94.5 PK			1.09 H	146	54.20	40.30
6	*5510.00	82.6 AV			1.09 H	146	42.30	40.30
7	11020.00	61.3 PK	74.0	-12.7	1.19 H	244	41.00	20.30
8	11020.00	48.2 AV	54.0	-5.8	1.19 H	244	27.90	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.8 PK	74.0	-13.2	1.00 V	107	54.10	6.70
2	5460.00	49.6 AV	54.0	-4.4	1.00 V	107	42.90	6.70
3	#5470.00	69.7 PK	74.0	-4.3	1.00 V	107	63.00	6.70
4	#5470.00	52.4 AV	54.0	-1.6	1.00 V	107	45.70	6.70
5	*5510.00	101.4 PK			1.00 V	107	61.10	40.30
6	*5510.00	90.8 AV			1.00 V	107	50.50	40.30
7	11020.00	61.9 PK	74.0	-12.1	1.06 V	59	41.60	20.30
8	11020.00	48.6 AV	54.0	-5.4	1.06 V	59	28.30	20.30

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	96.0 PK			1.10 H	154	55.70	40.30
2	*5550.00	85.4 AV			1.10 H	154	45.10	40.30
3	11000.00	61.2 PK	74.0	-12.8	1.08 H	99	40.70	20.50
4	11000.00	48.2 AV	54.0	-5.8	1.08 H	99	27.70	20.50
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	103.6 PK			1.02 V	126	63.30	40.30
2	*5550.00	92.0 AV			1.02 V	126	51.70	40.30
3	11100.00	61.6 PK	74.0	-12.4	1.06 V	157	41.90	19.70
4	11100.00	48.5 AV	54.0	-5.5	1.06 V	157	28.80	19.70

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.

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	96.5 PK			1.21 H	224	56.10	40.40
2	*5670.00	85.9 AV			1.21 H	224	45.50	40.40
3	#5725.00	60.1 PK	74.0	-13.9	1.21 H	224	53.00	7.10
4	#5725.00	48.9 AV	54.0	-5.1	1.21 H	224	41.80	7.10
5	11340.00	59.7 PK	74.0	-14.3	1.21 H	172	40.00	19.70
6	11340.00	47.3 AV	54.0	-6.7	1.21 H	172	27.60	19.70
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	*5670.00	101.8 PK			1.00 V	143	61.40	40.40
2	*5670.00	91.2 AV			1.00 V	143	50.80	40.40
3	#5725.00	61.7 PK	74.0	-12.3	1.04 V	104	54.60	7.10
4	#5725.00	50.4 AV	54.0	-3.6	1.04 V	104	43.30	7.10
5	11340.00	59.8 PK	74.0	-14.2	1.01 V	155	40.10	19.70
6	11340.00	47.7 AV	54.0	-6.3	1.01 V	155	28.00	19.70

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 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	#5714.00	65.3 PK	74.0	-8.7	1.13 H	241	58.30	7.00
2	#5714.00	50.0 AV	54.0	-4.0	1.13 H	241	43.00	7.00
3	#5722.00	70.9 PK	78.2	-7.3	1.15 H	244	63.90	7.00
4	#5725.00	71.2 PK	78.2	-7.0	1.15 H	244	64.10	7.10
5	*5755.00	97.5 PK			1.11 H	237	56.80	40.70
6	*5755.00	87.1 AV			1.11 H	237	46.40	40.70
7	11510.00	60.9 PK	74.0	-13.1	1.20 H	179	42.10	18.80
8	11510.00	47.8 AV	54.0	-6.2	1.20 H	179	29.00	18.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	72.5 PK	74.0	-1.5	1.05 V	107	65.50	7.00
2	#5714.00	52.8 AV	54.0	-1.2	1.05 V	107	45.80	7.00
3	#5722.00	76.2 PK	78.2	-2.0	1.05 V	76	69.20	7.00
4	#5725.00	76.1 PK	78.2	-2.1	1.05 V	73	69.00	7.10
5	*5755.00	102.3 PK			1.03 V	107	61.60	40.70
6	*5755.00	91.2 AV			1.03 V	107	50.50	40.70
7	11510.00	60.7 PK	74.0	-13.3	1.00 V	110	41.90	18.80
8	11510.00	47.5 AV	54.0	-6.5	1.00 V	110	28.70	18.80

REMARKS:

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

CHANNEL	TX Channel 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	*5795.00	100.0 PK			1.18 H	237	59.30	40.70
2	*5795.00	89.3 AV			1.18 H	237	48.60	40.70
3	#5850.00	71.2 PK	78.2	-7.0	1.20 H	239	64.20	7.00
4	#5853.00	72.2 PK	78.2	-6.0	1.20 H	239	65.10	7.10
5	#5861.00	60.9 PK	74.0	-13.1	1.16 H	234	53.80	7.10
6	#5861.00	50.0 AV	54.0	-4.0	1.16 H	234	42.90	7.10
7	11590.00	61.2 PK	74.0	-12.8	1.23 H	250	42.20	19.00
8	11590.00	48.1 AV	54.0	-5.9	1.23 H	250	29.10	19.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	70.4 PK			1.04 V	107	63.30	7.10
2	*5795.00	61.0 AV			1.04 V	107	53.90	7.10
3	#5850.00	67.5 PK	78.2	-10.7	1.12 V	66	60.50	7.00
4	#5853.00	68.7 PK	78.2	-9.5	1.12 V	66	61.60	7.10
5	#5861.00	59.7 PK	74.0	-14.3	1.12 V	70	52.60	7.10
6	#5861.00	48.4 AV	54.0	-5.6	1.12 V	70	41.30	7.10
7	11590.00	62.0 PK	74.0	-12.0	1.00 V	93	43.00	19.00
8	11590.00	48.9 AV	54.0	-5.1	1.00 V	93	29.90	19.00

REMARKS:

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

Below 1GHz Data

802.11a

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 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	57.07	30.8 QP	40.0	-9.2	1.50 H	180	45.50	-14.70
2	121.10	33.0 QP	43.5	-10.5	1.50 H	117	49.10	-16.10
3	181.25	35.4 QP	43.5	-8.1	1.50 H	91	50.80	-15.40
4	307.38	29.5 QP	46.0	-16.5	1.01 H	16	41.70	-12.20
5	377.23	31.9 QP	46.0	-14.1	1.01 H	235	42.70	-10.80
6	445.15	25.0 QP	46.0	-21.0	1.01 H	1	34.30	-9.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	57.07	27.6 QP	40.0	-12.4	1.49 V	282	42.30	-14.70
2	121.10	35.2 QP	43.5	-8.3	1.00 V	297	51.30	-16.10
3	185.13	26.3 QP	43.5	-17.2	1.00 V	213	42.20	-15.90
4	307.38	27.8 QP	46.0	-18.2	1.49 V	353	40.00	-12.20
5	373.35	27.2 QP	46.0	-18.8	1.49 V	54	38.10	-10.90
6	445.15	26.1 QP	46.0	-19.9	1.49 V	251	35.40	-9.30

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

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.	Date Of Calibration	Due Date Of Calibration
Test Receiver ROHDE & SCHWARZ	ESCI	100612	Sep. 30, 2014	Sep. 29, 2015
RF signal cable Woken	5D-FB	Cable-HYC01-01	Dec. 26, 2014	Dec. 25, 2015
LISN ROHDE & SCHWARZ (EUT)	ESH3-Z5	835239/001	Feb. 13, 2014	Feb. 12, 2015
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100311	Jul. 21, 2014	Jul. 20, 2015
Software ADT	BV ADT_Cond_ V7.3.7.3	NA	NA	NA

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Shielded Room 1.

3. The VCCI Site Registration No. is C-2040.

4.2.3 Test Procedures

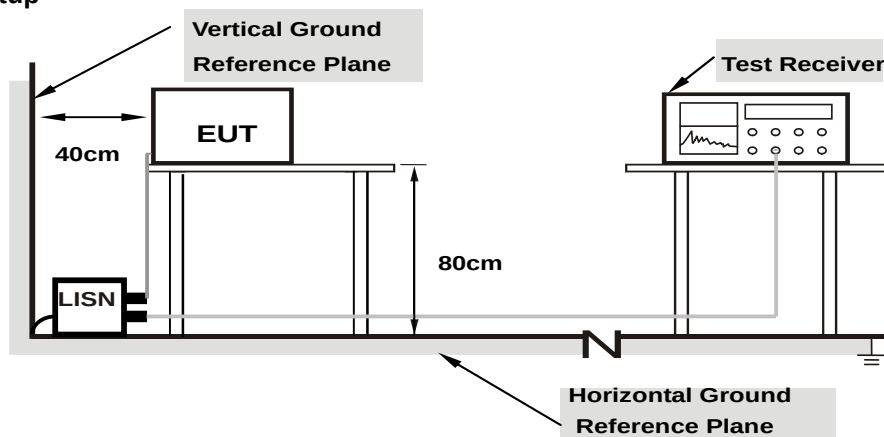
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance 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: The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



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

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

4.2.6 EUT Operating Conditions

Same as 4.1.6.

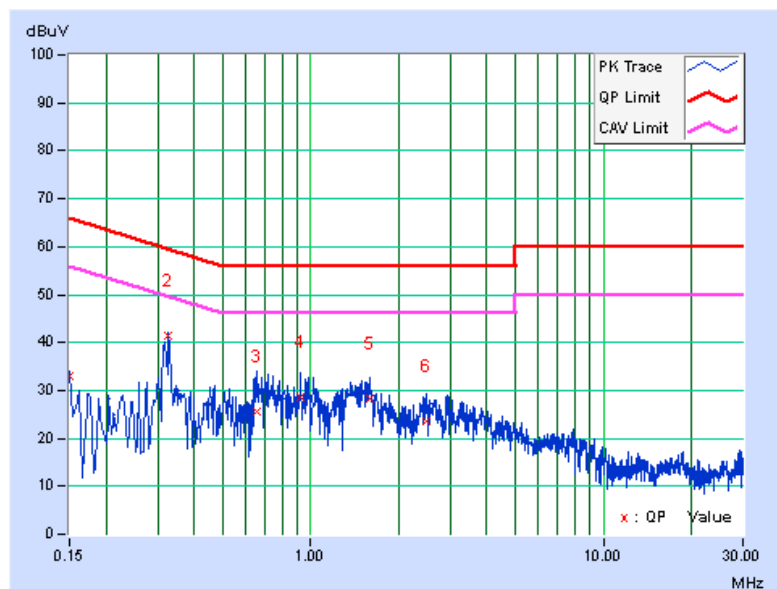
4.2.7 Test Results

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)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	32.86	20.67	32.97	20.78	66.00	56.00	-33.03	-35.22
2	0.32595	0.10	41.44	35.58	41.54	35.68	59.55	49.55	-18.01	-13.87
3	0.65439	0.15	25.31	16.50	25.46	16.65	56.00	46.00	-30.54	-29.35
4	0.92027	0.20	28.34	19.29	28.54	19.49	56.00	46.00	-27.46	-26.51
5	1.59670	0.23	27.97	20.10	28.20	20.33	56.00	46.00	-27.80	-25.67
6	2.48427	0.25	23.30	15.74	23.55	15.99	56.00	46.00	-32.45	-30.01

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.

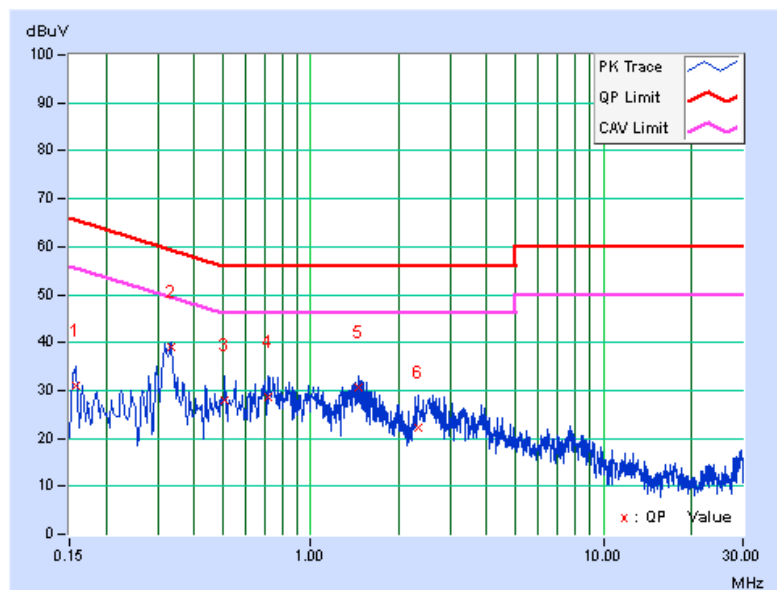


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15782	0.06	30.95	22.50	31.01	22.56	65.58	55.58	-34.57	-33.02
2	0.33221	0.14	38.98	34.72	39.12	34.86	59.40	49.40	-20.27	-14.53
3	0.50972	0.18	27.81	22.25	27.99	22.43	56.00	46.00	-28.01	-23.57
4	0.71705	0.20	28.33	22.66	28.53	22.86	56.00	46.00	-27.47	-23.14
5	1.45985	0.22	30.26	23.66	30.48	23.88	56.00	46.00	-25.52	-22.12
6	2.32005	0.23	22.08	14.96	22.31	15.19	56.00	46.00	-33.69	-30.81

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.



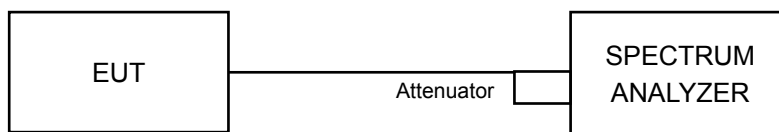
4.3 Transmit Power Measurement

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



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.

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Conditions

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

POWER OUTPUT:

802.11a

Channel	Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	33.651	15.27	24	Pass
40	5200	35.481	15.50	24	Pass
48	5240	32.659	15.14	24	Pass
52	5260	31.769	15.02	24	Pass
60	5300	31.189	14.94	24	Pass
64	5320	30.200	14.80	24	Pass
100	5500	32.434	15.11	24	Pass
116	5580	30.061	14.78	24	Pass
140	5700	23.768	13.76	24	Pass
149	5745	27.797	14.44	30	Pass
157	5785	27.227	14.35	30	Pass
165	5825	25.293	14.03	30	Pass

NOTE:

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

1. $11\text{dBm} + 10\log(34.98) = 26.44\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(37.01) = 26.68\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(35.10) = 26.45\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(39.74) = 26.99\text{ dBm} > 24\text{dBm}$.
5. $11\text{dBm} + 10\log(40.65) = 27.09\text{ dBm} > 24\text{dBm}$.
6. $11\text{dBm} + 10\log(43.37) = 27.37\text{ dBm} > 24\text{dBm}$.

802.11n (HT20)

Channel	Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	32.359	15.10	24	Pass
40	5200	33.266	15.22	24	Pass
48	5240	32.961	15.18	24	Pass
52	5260	33.343	15.23	24	Pass
60	5300	32.734	15.15	24	Pass
64	5320	34.119	15.33	24	Pass
100	5500	32.734	15.15	24	Pass
116	5580	31.842	15.03	24	Pass
140	5700	23.823	13.77	24	Pass
149	5745	27.861	14.45	30	Pass
157	5785	27.040	14.32	30	Pass
165	5825	25.763	14.11	30	Pass

NOTE:

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

1. $11\text{dBm} + 10\log(40.28) = 27.05\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(41.07) = 27.14\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(42.13) = 27.25\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(44.85) = 27.52\text{ dBm} > 24\text{dBm}$.
5. $11\text{dBm} + 10\log(43.73) = 27.41\text{ dBm} > 24\text{dBm}$.
6. $11\text{dBm} + 10\log(35.80) = 26.54\text{ dBm} > 24\text{dBm}$.

802.11n (HT40)

Channel	Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	26.424	14.22	24	Pass
46	5230	32.434	15.11	24	Pass
54	5270	34.119	15.33	24	Pass
62	5310	17.989	12.55	24	Pass
102	5510	13.305	11.24	24	Pass
110	5550	22.336	13.49	24	Pass
134	5670	24.604	13.91	24	Pass
151	5755	21.827	13.39	30	Pass
159	5795	25.177	14.01	30	Pass

NOTE:

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

1. $11\text{dBm} + 10\log(78.29) = 29.94\text{ dBm} > 24\text{dBm}.$
2. $11\text{dBm} + 10\log(58.66) = 28.68\text{ dBm} > 24\text{dBm}.$
3. $11\text{dBm} + 10\log(45.49) = 27.58\text{ dBm} > 24\text{dBm}.$
4. $11\text{dBm} + 10\log(71.26) = 29.53\text{ dBm} > 24\text{dBm}.$
5. $11\text{dBm} + 10\log(86.46) = 30.37\text{ dBm} > 24\text{dBm}.$

26dB BANDWIDTH:

802.11a

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)	Pass / Fail
36	5180	36.31	Pass
40	5200	39.64	Pass
48	5240	34.82	Pass
52	5260	34.98	Pass
60	5300	37.01	Pass
64	5320	35.10	Pass
100	5500	39.74	Pass
116	5580	40.65	Pass
140	5700	43.37	Pass

802.11n (HT20)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)	Pass / Fail
36	5180	38.74	Pass
40	5200	42.86	Pass
48	5240	44.30	Pass
52	5260	40.28	Pass
60	5300	41.07	Pass
64	5320	42.13	Pass
100	5500	44.85	Pass
116	5580	43.73	Pass
140	5700	35.80	Pass

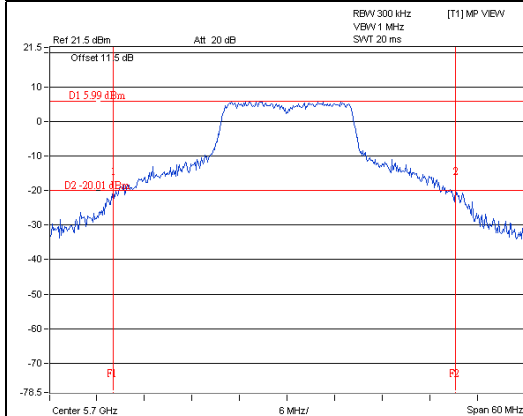
802.11n (HT40)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)	Pass / Fail
38	5190	83.90	Pass
46	5230	80.65	Pass
54	5270	78.29	Pass
62	5310	58.66	Pass
102	5510	45.49	Pass
110	5550	71.26	Pass
134	5670	86.46	Pass

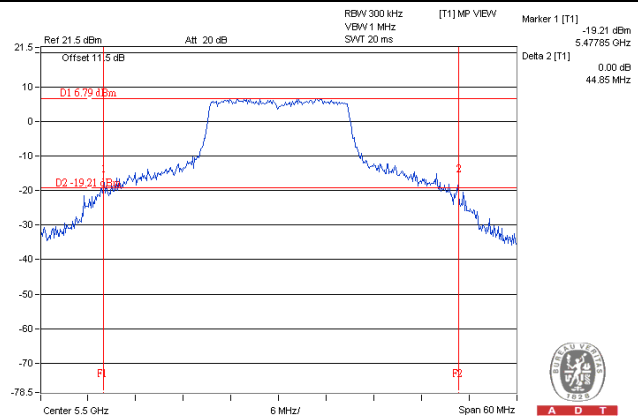
Spectrum Plot of Worst Value

802.11a

802.11n (HT20)

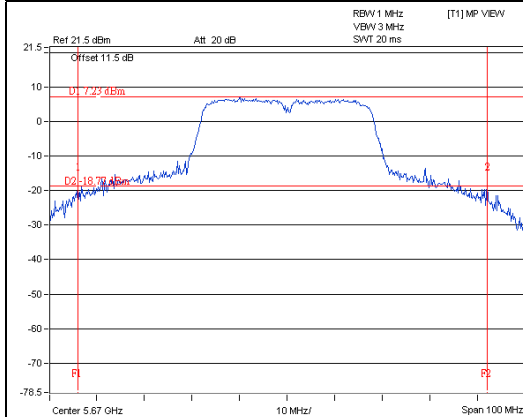


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802.11n (HT40)



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EUT MAXIMUM CONDUCTED POWER

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	31.769	15.02
5470~5725	32.434	15.11

NOTE: Manufacturer provides Transmit Power Control description to meet this requirement.

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	34.119	15.33
5470~5725	32.734	15.15

NOTE: Manufacturer provides Transmit Power Control description to meet this requirement.

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	34.119	15.33
5470~5725	24.604	13.91

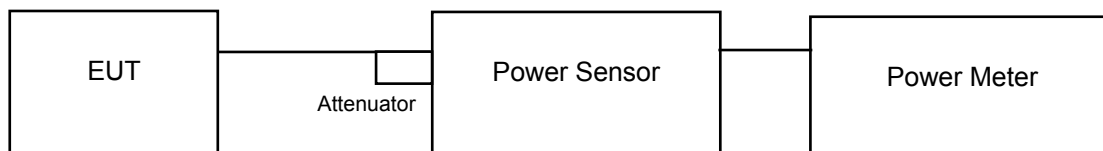
NOTE: Manufacturer provides Transmit Power Control description to meet this requirement.

4.4 Peak Power Spectral Density Measurement

4.4.1 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

4.4.2 Test Setup



4.4.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.4 Test Procedures

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

Using method SA-2

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 30 kHz, Set VBW $\geq$ 1 MHz, Detector = RMS
- Set Channel power measure = 1MHz
- Sweep time = auto, trigger set to "free run" .
- Trace average at least 100 traces in power averaging mode.
- Record the max value and add 10 log (1/duty cycle)

For U-NII-3 band:

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 500 kHz, Set VBW $\geq$ 3 RBW, Detector = RMS
- Sweep time = auto, trigger set to "free run" .
- Trace average at least 100 traces in power averaging mode.
- Record the max value and add 10 log (1/duty cycle)
- 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 = 10log(500 kHz/300kHz)

4.4.5 Deviation from Test Standard

No deviation.

4.4.6 EUT Operating Conditions

Same as Item 4.3.6.

4.4.7 Test Results

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

802.11a

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm)	Duty Factor	PSD with Duty Factor (dBm)	Maximum Limit (dBm)	Pass / Fail
36	5180	-2.11	0.73	-1.38	11	Pass
40	5200	-1.71	0.73	-0.98	11	Pass
48	5240	-1.90	0.73	-1.17	11	Pass
52	5260	-2.22	0.73	-1.49	11	Pass
60	5300	-2.23	0.73	-1.50	11	Pass
64	5320	-2.11	0.73	-1.38	11	Pass
100	5500	-0.35	0.73	0.38	11	Pass
116	5580	0.31	0.73	1.04	11	Pass
140	5700	-1.61	0.73	-0.88	11	Pass

NOTE: Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

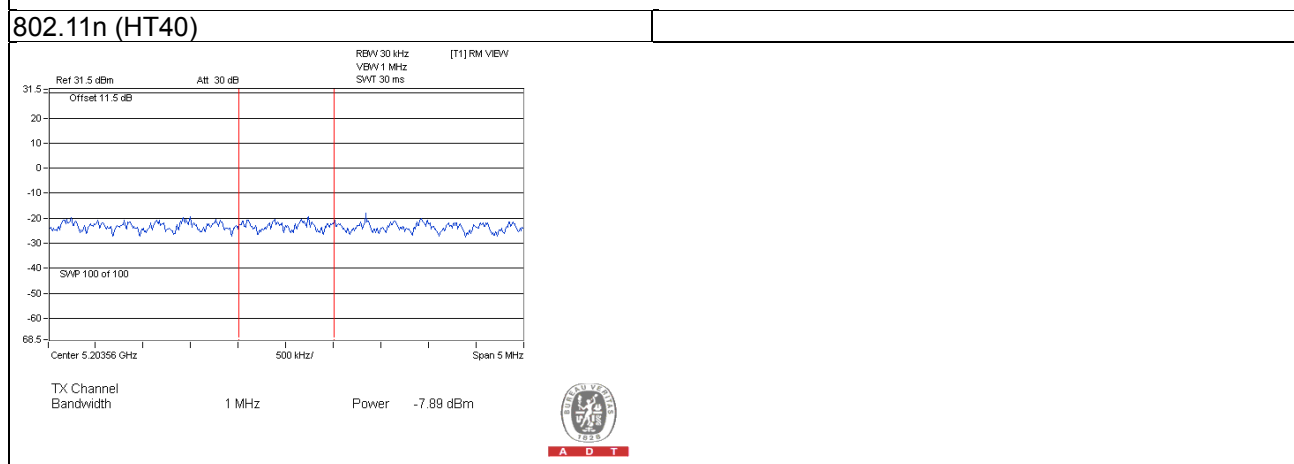
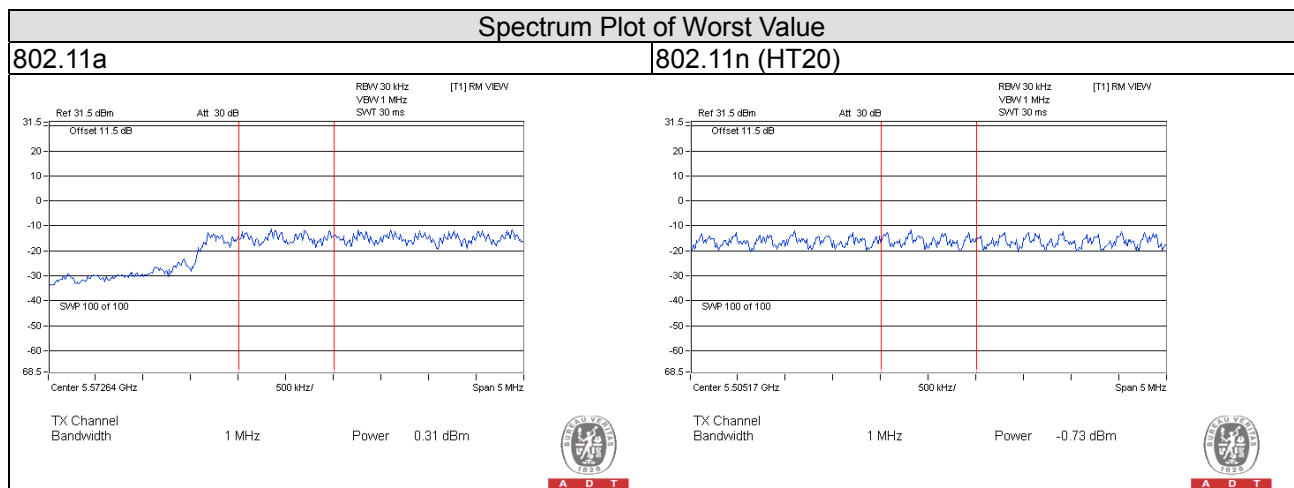
Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm)	Duty Factor	PSD with Duty Factor (dBm)	Maximum Limit (dBm)	Pass / Fail
36	5180	-2.44	0.72	-1.72	11	Pass
40	5200	-1.67	0.72	-0.95	11	Pass
48	5240	-2.21	0.72	-1.49	11	Pass
52	5260	-2.92	0.72	-2.20	11	Pass
60	5300	-2.36	0.72	-1.64	11	Pass
64	5320	-2.50	0.72	-1.78	11	Pass
100	5500	-0.73	0.72	-0.01	11	Pass
116	5580	-0.93	0.72	-0.21	11	Pass
140	5700	-4.77	0.72	-4.05	11	Pass

NOTE: Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT40)

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm)	Duty Factor	PSD with Duty Factor (dBm)	Maximum Limit (dBm)	Pass / Fail
38	5190	-7.89	1.66	-6.23	11	Pass
46	5230	-8.20	1.66	-6.54	11	Pass
54	5270	-8.03	1.66	-6.37	11	Pass
62	5310	-9.68	1.66	-8.02	11	Pass
102	5510	-11.38	1.66	-9.72	11	Pass
110	5550	-8.71	1.66	-7.05	11	Pass
134	5670	-8.64	1.66	-6.98	11	Pass

NOTE: Refer to section 3.3 for duty cycle spectrum plot.



For U-NII-3 Band

802.11a

Channel	Freq. (MHz)	PSD (dBm/300k Hz)	PSD (dBm/500k Hz)	Duty Factor	Total PSD (dBm/500k Hz)	Limit (dBm/500k Hz)	Pass / Fail
149	5745	-7.55	-5.33	0.73	-4.60	30	Pass
157	5785	-7.62	-5.40	0.73	-4.67	30	Pass
165	5825	-7.85	-5.63	0.73	-4.90	30	Pass

802.11n (HT20)

Channel	Freq. (MHz)	PSD (dBm/300k Hz)	PSD (dBm/500k Hz)	Duty Factor	Total PSD (dBm/500k Hz)	Limit (dBm/500k Hz)	Pass / Fail
149	5745	-7.52	-5.30	0.72	-4.58	30	Pass
157	5785	-7.93	-5.71	0.72	-4.99	30	Pass
165	5825	-8.31	-6.09	0.72	-5.37	30	Pass

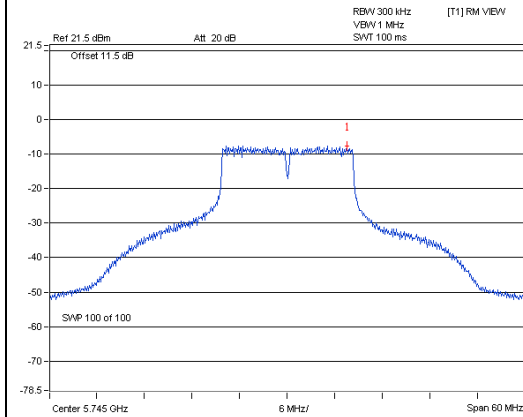
802.11n (HT40)

Channel	Freq. (MHz)	PSD (dBm/300k Hz)	PSD (dBm/500k Hz)	Duty Factor	Total PSD (dBm/500k Hz)	Limit (dBm/500k Hz)	Pass / Fail
151	5755	-14.90	-12.68	1.66	-11.02	30	Pass
159	5795	-13.54	-11.32	1.66	-9.66	30	Pass

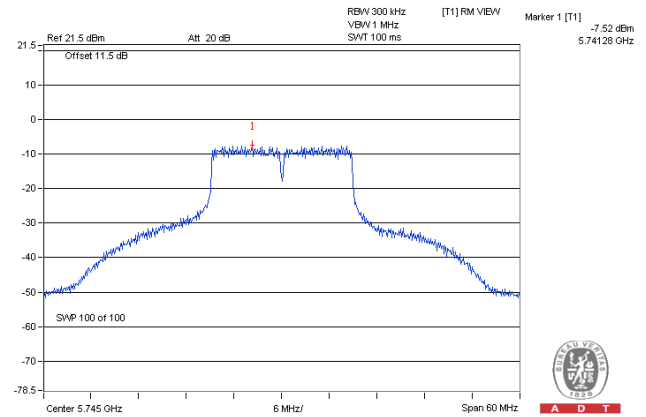
Spectrum Plot of Worst Value

802.11a

802.11n (HT20)

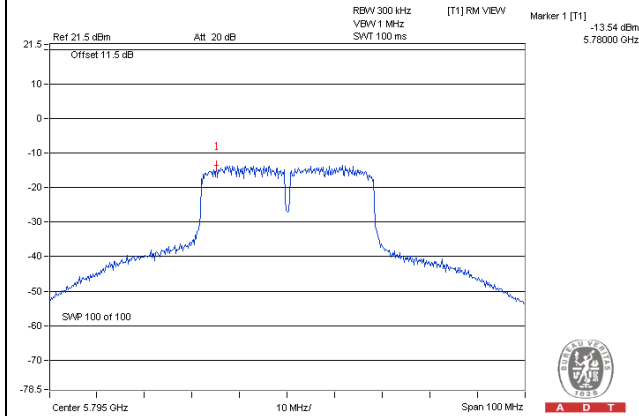


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802.11n (HT40)



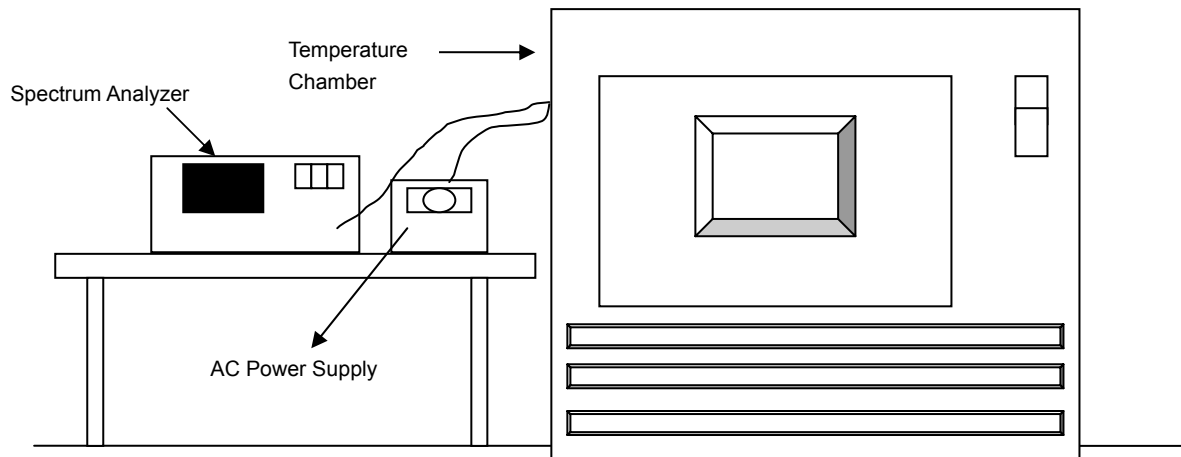
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4.5 Frequency Stability

4.5.1 Limits of Frequency Stability Measurement

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

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

- 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.

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Condition

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

4.5.7 Test Results

Frequency Stability Versus Temp.									
Operating Frequency: 5320MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5319.9999	0.00000	5320.0013	0.00002	5319.9998	0.00000	5320.0003	0.00001
40	120	5319.9858	-0.00027	5319.9877	-0.00023	5319.9841	-0.00030	5319.9879	-0.00023
30	120	5320.0234	0.00044	5320.0238	0.00045	5320.0221	0.00042	5320.0243	0.00046
20	120	5320.0095	0.00018	5320.0092	0.00017	5320.0131	0.00025	5320.0106	0.00020
10	120	5319.9959	-0.00008	5319.9935	-0.00012	5319.9955	-0.00008	5319.9927	-0.00014
0	120	5320.028	0.00053	5320.0274	0.00052	5320.0283	0.00053	5320.0281	0.00053
-10	120	5320.0148	0.00028	5320.0146	0.00027	5320.017	0.00032	5320.0164	0.00031
-20	120	5320.0121	0.00023	5320.012	0.00023	5320.0135	0.00025	5320.0128	0.00024
-30	120	5319.9907	-0.00017	5319.9888	-0.00021	5319.9891	-0.00020	5319.9921	-0.00015

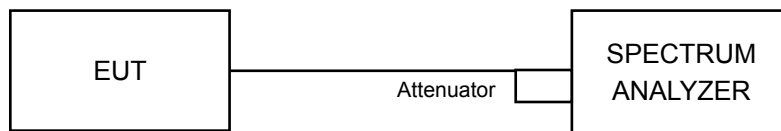
Frequency Stability Versus Temp.									
Operating Frequency: 5320MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5320.0105	0.00020	5320.0095	0.00018	5320.0141	0.00027	5320.0111	0.00021
	120	5320.0095	0.00018	5320.0092	0.00017	5320.0131	0.00025	5320.0106	0.00020
	102	5320.0091	0.00017	5320.0089	0.00017	5320.0138	0.00026	5320.0102	0.00019

4.6 6dB Bandwidth Measurement

4.6.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

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

MEASUREMENT PROCEDURE REF

- Set resolution bandwidth (RBW) = 100kHz
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- 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

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

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

4.6.7 Test Results

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
149	5745	16.39	0.5	Pass
157	5785	16.40	0.5	Pass
165	5825	16.41	0.5	Pass

802.11n (HT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
149	5745	17.63	0.5	Pass
157	5785	17.62	0.5	Pass
165	5825	17.64	0.5	Pass

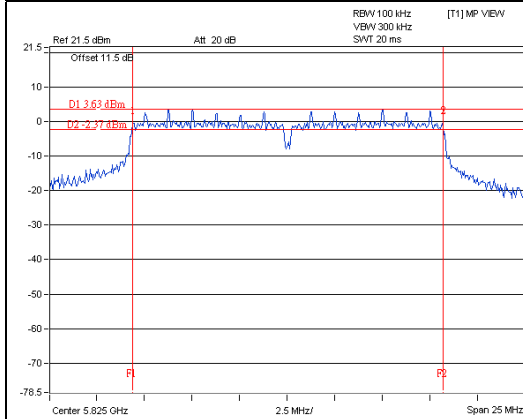
802.11n (HT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
151	5755	35.34	0.5	Pass
159	5795	35.49	0.5	Pass

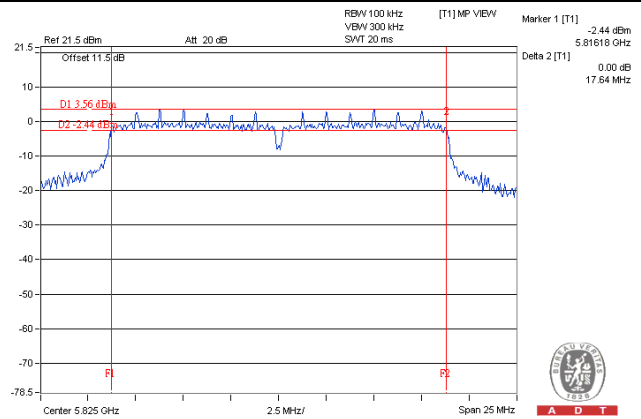
Spectrum Plot of Worst Value

802.11a

802.11n (HT20)

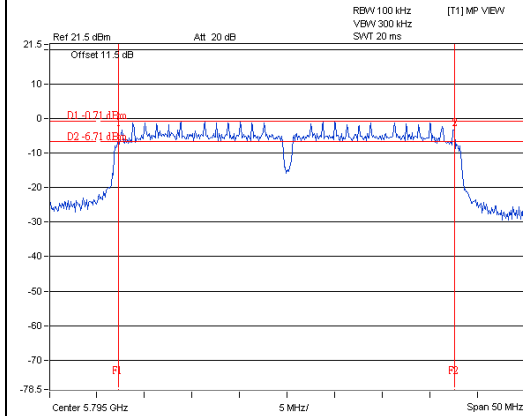


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802.11n (HT40)



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5 Pictures of Test Arrangements

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

Appendix – Information on the Testing Laboratories

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

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

Linko EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF Lab/Telecom Lab

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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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