TEST REPORT

Applicant	DEI Sales, Inc., dba Polk Audio
Address	1 Viper Way Vista, California 92801, USA

Manufacturer or Supplier	DEI Sales, Inc., dba Polk Audio
Address	1 Viper Way Vista, California 92801, USA
Product Name	Smart Speaker
Brand Name	Polk
Model	ASSIST
Additional Model & Model Difference	N/A
Date of tests	Nov. 29, 2017 ~ Mar. 15, 2018

The tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 15, Subpart E, Section 15.407**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Andy Zhu Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department
	 Date: Apr. 04, 2018

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF171129N008-4	Original release.	Apr. 04, 2018

1. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART E (SECTION 15.407 UNDER NEW RULE)			
STANDARD SECTION	**TEST TYPE**	**RESULT**	**REMARK**
15.407(b)(6)	AC Power Conducted Emissions	PASS	Meet the requirement of limit.
15.407(b) (1/2/3/4/6)	Radiated Emissions & Band Edge Measurement	PASS	Meet the requirement of limit.
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(g)	Frequency Stability	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	No antenna connector is used

1.1 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	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.70dB
Radiated emissions	9KHz ~ 30MHz	2.16dB
	30MHz ~ 1GMHz	3.83dB
	1GHz ~ 18GHz	4.93dB
	18GHz ~ 40GHz	4.80dB

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

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT NAME	Smart Speaker
MODEL NO.	ASSIST
FCC ID	WLQAM9305
POWER SUPPLY	DC 22V 1.8A From Adapter Input AC 100-240V 50/60Hz 1.0A
MODULATION TYPE	DSSS: DBPSK, DQPSK,CCK OFDM: 256QAM, 64QAM, 16QAM, QPSK, BPSK
MODULATION TECHNOLOGY	DSSS,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 300.0Mbps 802.11ac : up to 867Mbps
OPERATING FREQUENCY	5150 ~ 5250MHz, 5250 ~ 5350MHz 5470 ~ 5725MHz, 5725 ~ 5850MHz
NUMBER OF CHANNEL	5150 ~ 5250MHz: 4 for 802.11a, 802.11n, 11ac (20MHz) 2 for 802.11n, 11ac (40MHz), 5250 ~ 5350MHz: 4 for 802.11a, 802.11n, 11ac (20MHz) 2 for 802.11n, 11ac (40MHz), 5470 ~ 5725MHz: 8 for 802.11a, 802.11n, 11ac (20MHz) 3 for 802.11n, 11ac (40MHz), 5725 ~ 5850MHz: 5 for 802.11a, 802.11n, 11ac (20MHz) 2 for 802.11n, 11ac (40MHz)
CONDUCTED OUTPUT POWER	13.86dBm for 5150 ~ 5250MHz (Maximum AVG Power) 14.14dBm for 5250 ~ 5350MHz (Maximum AVG Power) 12.17dBm for 5500 ~ 5725MHz (Maximum AVG Power) 14.13dBm for 5725 ~ 5850MHz (Maximum AVG Power)
ANTENNA TYPE	FPC Antenna, 2.09dBi Gain for 5150 ~ 5250MHz FPC Antenna, 2.09dBi Gain for 5250 ~ 5350MHz FPC Antenna, 2.54dBi Gain for 5500 ~ 5725MHz FPC Antenna, 2.59dBi Gain for 5725 ~ 5850MHz
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	N/A

NOTE:

1. The EUT incorporates a SISO function. Physically, the EUT provides 1 completed transmitter and 1 receiver.

MODULATION MODE	TX FUNCTION
802.11a	1TX/1RX
802.11n (20MHz)	1TX/1RX
802.11n (40MHz)	1TX/1RX
802.11ac (20MHz)	1TX/1RX
802.11ac (40MHz)	1TX/1RX

2. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
4. Please refer to the EUT photo document (Reference No.: 171129N008) for detailed product photo.
5. The EUT can be powered by adapter as list as attach.

ADAPTER	
BRAND:	Polk
MODEL:	MU036A220180
INPUT:	AC 100-240V, 50/60Hz, 1.0A
OUTPUT:	DC 22V 1.8A
CABLE:	Unshielded, Non-detachable 2.5m

2.2 DESCRIPTION OF TEST MODES

FOR 5150 ~ 5250MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
36	5180 MHz	40	5200 MHz
44	5220 MHz	48	5240 MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

FOR 5250 ~ 5350MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
52	5260 MHz	56	5280 MHz
60	5300 MHz	64	5320 MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
54	5270 MHz	62	5310 MHz

FOR 5470 ~ 5725MHz

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

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

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
102	5510 MHz	110	5550 MHz
134	5670 MHz		

FOR 5725 ~ 5850MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
149	5745MHz	153	5765MHz
157	5785MHz	161	5805MHz
165	5825MHz	--	--

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
151	5755MHz	159	5795MHz

2.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	APCM	
A	√	√	√	√	**Powered by adaptor**

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

NOTE:
1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.
NOTE: "-"means no effect.

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 (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	6.5
-	802.11n (40MHz)		38 to 46	38, 46	OFDM	BPSK	13.5
	802.11a	5260-5320	52 to 64	52, 56, 64	OFDM	BPSK	6.0
-	802.11n (20MHz)		52 to 64	52, 56, 64	OFDM	BPSK	MCS0
-	802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	MCS0
-	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6.0
	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	MCS0
-	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	MCS0
-	802.11a	5725-5825	149 to 165	149, 157, 165	OFDM	BPSK	6.0
-	802.11n (20MHz)		149 to 165	149, 157, 165	OFDM	BPSK	MCS0
-	802.11n (40MHz)		151 to 159	151, 159	OFDM	BPSK	MCS0

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 5725-5850	36 to 48 149 to 165	36	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 5725-5850	36 to 48 149 to 165	36	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	5150-5250	36 to 48	36, 40, 48	OFDM	BPSK	6.0
-	802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	6.5
-	802.11n (40MHz)		38 to 46	38, 46	OFDM	BPSK	13.5
-	802.11a	5250-5350	52 to 64	52, 56, 64	OFDM	BPSK	6.0
-	802.11n (20MHz)		52 to 64	52, 56, 64	OFDM	BPSK	MCS0
-	802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	MCS0
-	802.11a	5470-5725	100 to 140	100, 116, 140	OFDM	BPSK	6.0
-	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	MCS0
-	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	MCS0
-	802.11a	5725-5850	149 to 165	149, 157, 165	OFDM	BPSK	6.0
-	802.11n (20MHz)		149 to 165	149, 157, 165	OFDM	BPSK	MCS0
-	802.11n (40MHz)		151 to 159	151, 159	OFDM	BPSK	MCS0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE<1G	25deg. C, 55%RH	AC 120V/60Hz	Arnold
RE≥1G	25deg. C, 55%RH	AC 120V/60Hz	Arnold
PLC	25deg. C, 55%RH	AC 120V/60Hz	Xue Wang
APCM	25deg. C, 55%RH	AC 120V/60Hz	Robert Cheng

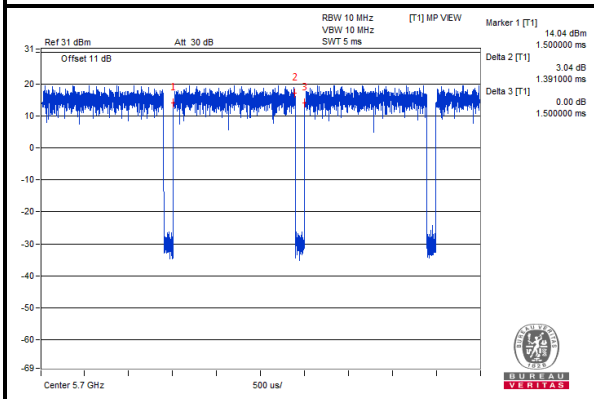
2.3 DUTY CYCLE OF TEST SIGNAL

802.11a: Duty cycle = 1.391/1.500 = 0.927, Duty factor = 10 * log(1/0.927) = 0.329

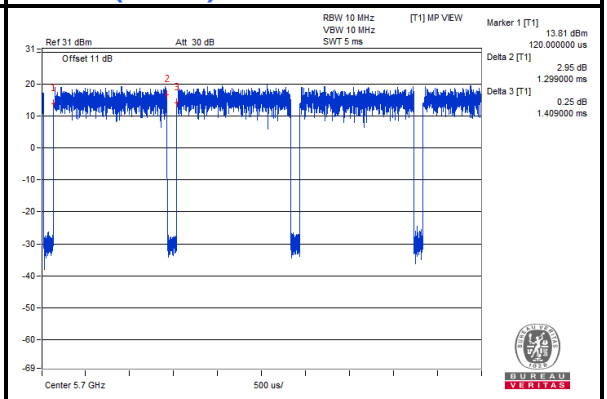
802.11n (20MHz): Duty cycle =1.299/1.409=0.922, Duty factor = 10 * log(1/0.922) =0.353

802.11n (40MHz): Duty cycle =0.647/0.755=0.857, Duty factor = 10 * log(1/0.857) = 0.670

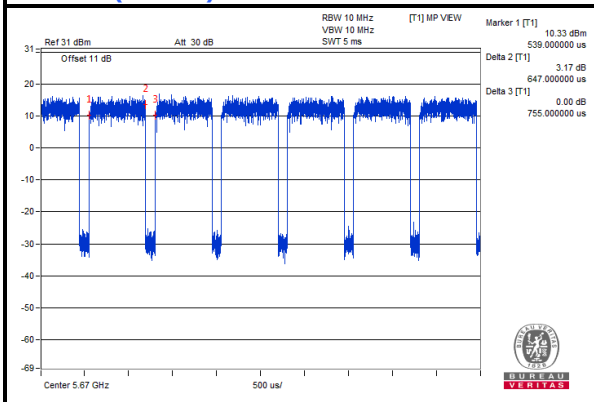
802.11a



802.11n (20MHz)



802.11n (40MHz)



2.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together without any other necessary accessories or support units.

2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specification of the EUT declared by 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 v01r03
ANSI C63.10-2013

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

3. TEST TYPES AND RESULTS

3.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

3.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

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

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:
1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 30dB under any condition of modulation.

3.1.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

APPLICABLE TO	LIMIT	
789033 D02 General UNII Test Procedures New Rules v01r03	FIELD STRENGTH AT 3m	
	PK: 74 (dBμV/m)	AV: 54 (dBμV/m)
APPLICABLE TO	**EIRP LIMIT**	**EQUIVALENT FIELD STRENGTH AT 3m**
15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
15.407(b)(2)		
15.407(b)(3)		
15.407(b)(4)	Note	Note

NOTE: For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

3.1.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Mar. 11,18	Mar. 10,19
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV7	102331	Nov. 04,17	Nov. 03,18
Active Loop Antenna (9KHz -30MHz)	SCHWARZBECK	FMZB 1519B	1519B-045	May 31,17	May 30,18
Amplifier (9KHz -1GHz)	Burgeon	BPA-530	100210	Apr. 05,17	Apr. 04,18
Bilog Antenna (20MHz -2GHz)	Teseq	CBL 6111D	30643	Jul. 28, 17	Jul. 27, 18
Horn Antenna (1GHz -18GHz)	ETS -Lindgren	3117	00062558	May 19,17	May 18,18
Horn Antenna (18GHz -40GHz)	SCHWARZBECK	BBHA 9170	BBHA9170242	Mar. 10,18	Mar. 14,19
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	Feb. 10,18	Feb. 09,19
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A	N/A
Broadband Preamplifier (1GHz~18GHz)	SCHWARZBECK	BBV9718	305	Mar. 21,17	Mar. 20,18
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Nov. 08,17	Nov. 07,18
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A	N/A
BLUETOOTH TESTER	Rohde&Schwarz	CBT32	100811	Aug. 10,17	Aug. 09,18

NOTE:

1. The test was performed in 966 Chamber.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 749762.

3.1.4 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 1.5 meters (above 1GHz) and 0.8 meters (below 1GHz) above the ground at a 3 meters semi-anechoic chamber. 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 antenna is a broadband antenna, and its height 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 Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTE:

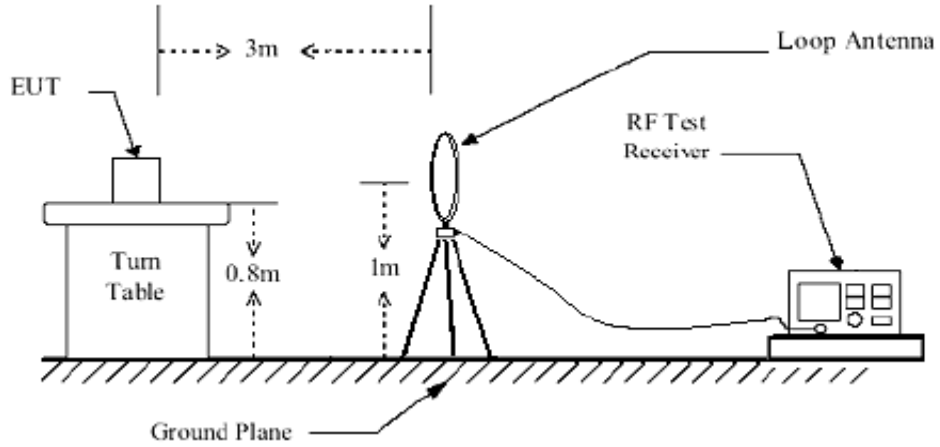
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution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

3.1.5 DEVIATION FROM TEST STANDARD

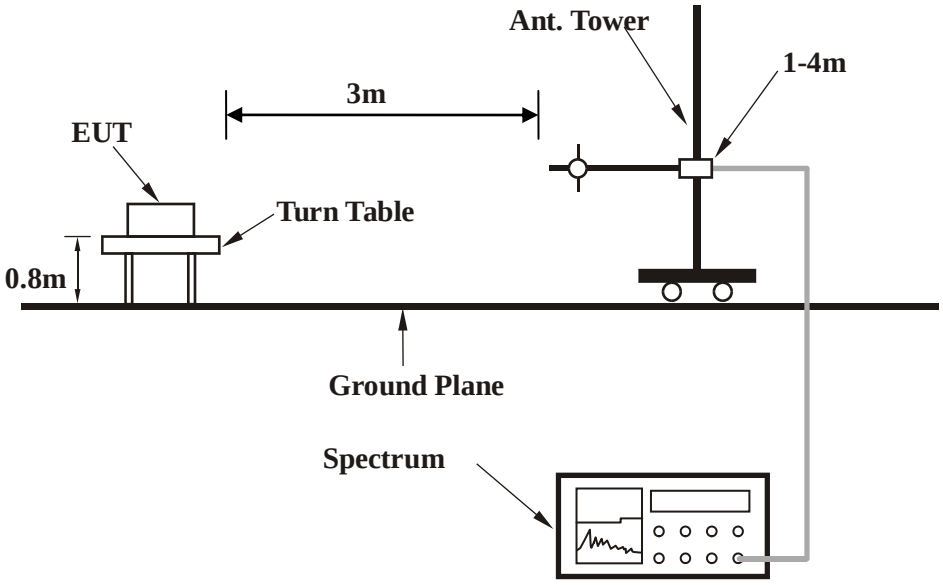
No deviation.

3.1.6 TEST SETUP

Below 30MHz test setup

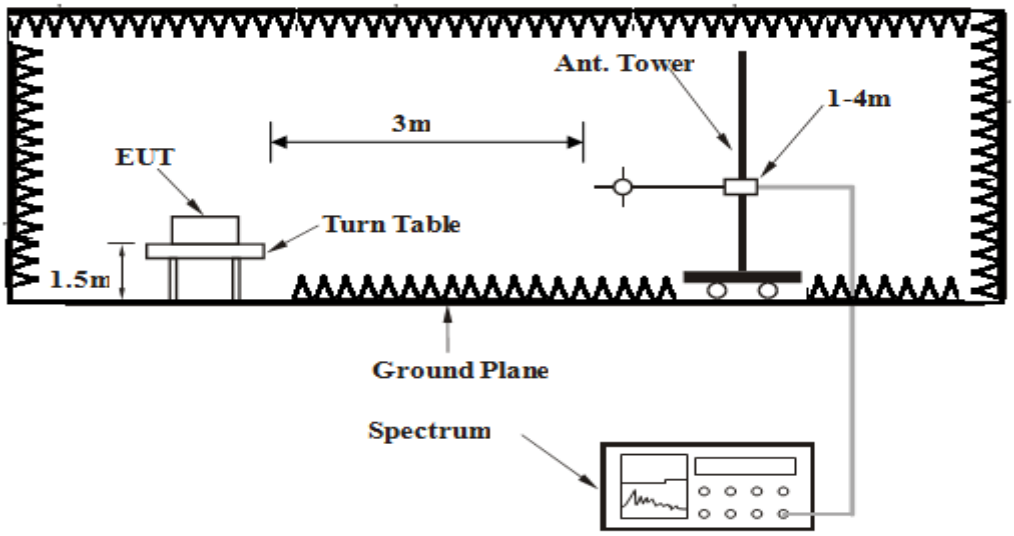


Below 1GHz test setup



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

Above 1GHz test setup



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

3.1.7 EUT OPERATING CONDITION

a. Set the EUT under full load condition and placed them on a testing table.

b. Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.

c. The necessary accessories enable the EUT in full functions.

3.1.8 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

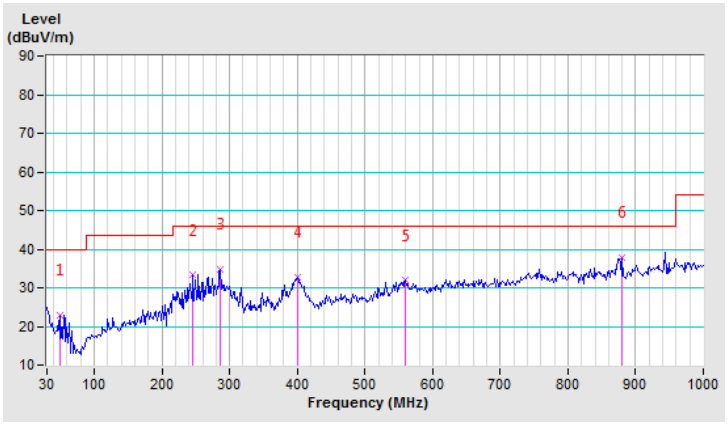
802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	50.21	23.04 QP	40.00	-16.96	1.00 H	37	39.51	-16.47
2	246.07	33.25 QP	46.00	-12.75	1.00 H	90	42.48	-9.23
3	286.49	34.80 QP	46.00	-11.20	1.00 H	169	42.44	-7.64
4	399.97	32.76 QP	46.00	-13.24	1.00 H	240	35.08	-2.32
5	560.08	31.93 QP	46.00	-14.07	1.00 H	88	29.21	2.72
6	880.30	37.89 QP	46.00	-8.11	1.00 H	75	32.43	5.46

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.

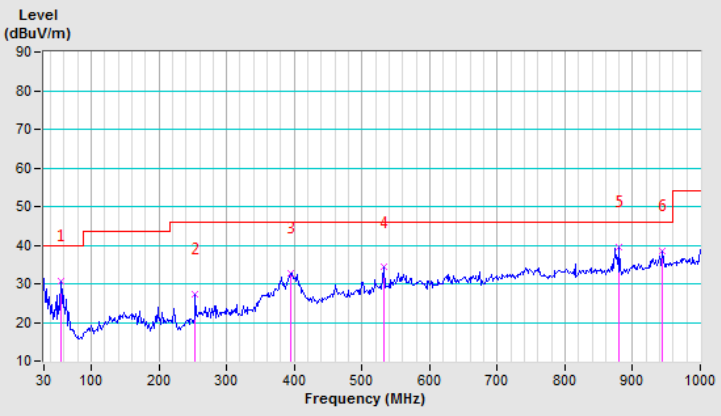


CHANNEL	Channel 36	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

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	54.87	30.67 QP	40.00	-9.33	1.00 V	54	48.16	-17.49
2	253.85	27.45 QP	46.00	-18.55	1.00 V	268	35.38	-7.93
3	395.30	32.80 QP	46.00	-13.20	1.00 V	85	35.74	-2.94
4	532.10	34.25 QP	46.00	-11.75	1.00 V	38	33.73	0.52
5	**880.30**	**39.64 QP**	**46.00**	**-6.36**	**1.00 V**	**89**	**34.18**	**5.46**
6	944.04	38.40 QP	46.00	-7.60	1.00 V	175	31.59	6.81

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.



ABOVE 1GHz WORST-CASE DATA

Band 1 (5150-5250MHz):

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	57.65 PK	74.00	-16.35	1.35 H	249	51.20	6.45
2	5150.00	42.39 AV	54.00	-11.61	1.35 H	249	35.94	6.45
3	*5180.00	109.90 PK			1.20 H	157	103.45	6.45
4	*5180.00	101.36 AV			1.20 H	157	94.91	6.45
5	#10360.00	57.26 PK	74.00	-16.74	1.36 H	254	41.56	15.70
6	#10360.00	45.26 AV	54.00	-8.74	1.36 H	254	29.56	15.70
7	15540.00	66.58 PK	74.00	-7.42	1.20 H	58	42.79	23.79
8	15540.00	50.28 AV	54.00	-3.72	1.20 H	58	26.49	23.79
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	50.77 PK	74.00	-23.23	1.00 V	165	44.37	6.40
2	5150.00	39.62 AV	54.00	-14.38	1.00 V	165	33.22	6.40
3	*5180.00	94.41 PK			2.10 V	349	87.98	6.43
4	*5180.00	83.58 AV			2.10 V	349	77.15	6.43
5	#10360.00	57.86 PK	74.00	-16.14	1.32 V	280	42.16	15.70
6	#10360.00	46.25 AV	54.00	-7.75	1.32 V	280	30.55	15.70
7	15540.00	67.60 PK	74.00	-6.40	1.24 V	70	43.81	23.79
8	15540.00	50.41 AV	54.00	-3.59	1.24 V	70	26.62	23.79

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	53.67 PK	74.00	-20.33	1.02 H	149	47.22	6.45
2	5150.00	42.32 AV	54.00	-11.68	1.02 H	149	35.87	6.45
3	*5200.00	109.52 PK			1.58 H	298	103.07	6.45
4	*5200.00	100.65 AV			1.58 H	298	94.20	6.45
5	#10400.00	57.89 PK	74.00	-16.11	1.02 H	149	41.98	15.91
6	#10400.00	46.59 AV	54.00	-7.41	1.02 H	149	30.68	15.91
7	15600.00	67.21 PK	74.00	-6.79	1.30 H	78	43.30	23.91
8	15600.00	50.27 AV	54.00	-3.73	1.30 H	78	26.36	23.91
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	50.32 PK	74.00	-23.68	1.47 V	158	43.87	6.45
2	5150.00	38.54 AV	54.00	-15.46	1.47 V	158	32.09	6.45
3	*5200.00	104.22 PK			1.48 V	252	97.77	6.45
4	*5200.00	95.74 AV			1.48 V	252	89.29	6.45
5	#10400.00	57.85 PK	74.00	-16.15	1.02 V	149	41.94	15.91
6	#10400.00	45.28 AV	54.00	-8.72	1.02 V	149	29.37	15.91
7	15600.00	67.69 PK	74.00	-6.31	1.35 V	249	43.78	23.91
8	15600.00	49.68 AV	54.00	-4.32	1.35 V	249	25.77	23.91

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	53.68 PK	74.00	-20.32	1.02 H	120	47.23	6.45
2	5150.00	42.13 AV	54.00	-11.87	1.02 H	120	35.68	6.45
3	*5240.00	110.52 PK			1.35 H	247	104.07	6.45
4	*5240.00	100.98 AV			1.35 H	247	94.53	6.45
5	5350.00	54.89 PK	74.00	-19.11	1.30 H	149	48.45	6.45
6	5350.00	42.08 AV	54.00	-11.92	1.30 H	149	35.63	6.45
7	#10480.00	57.89 PK	74.00	-16.11	1.02 H	146	41.58	16.31
8	#10480.00	45.69 AV	54.00	-8.31	1.02 H	146	29.38	16.31
9	15720.00	68.60 PK	74.00	-5.40	1.02 H	213	44.48	24.12
10	15720.00	50.89 AV	54.00	-3.11	1.02 H	213	26.77	24.12
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	51.00 PK	74.00	-23.00	1.30 V	249	44.55	6.45
2	5150.00	38.98 AV	54.00	-15.02	1.30 V	249	32.53	6.45
3	*5240.00	103.66 PK			1.30 V	216	97.21	6.45
4	*5240.00	95.23 AV			1.30 V	216	88.78	6.45
5	5350.00	53.27 PK	74.00	-20.73	1.02 V	147	46.83	6.45
6	5350.00	40.58 AV	54.00	-13.42	1.02 V	147	34.13	6.45
7	#10480.00	58.80 PK	74.00	-15.20	1.30 V	216	42.49	16.31
8	#10480.00	46.28 AV	54.00	-7.72	1.30 V	216	29.97	16.31
9	15720.00	67.95 PK	74.00	-6.05	1.30 V	187	43.83	24.12
10	15720.00	49.98 AV	54.00	-4.02	1.30 V	187	25.86	24.12

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	58.25 PK	74.00	-15.75	1.02 H	149	51.80	6.45
2	5150.00	43.21 AV	54.00	-10.79	1.02 H	149	36.76	6.45
3	*5180.00	109.60 PK			1.30 H	219	103.15	6.45
4	*5180.00	100.36 AV			1.30 H	219	93.91	6.45
5	#10360.00	56.58 PK	74.00	-17.42	1.20 H	198	40.88	15.70
6	#10360.00	45.27 AV	54.00	-8.73	1.20 H	198	29.57	15.70
7	15540.00	67.54 PK	74.00	-6.46	1.02 H	248	43.75	23.79
8	15540.00	50.89 AV	54.00	-3.11	1.02 H	248	27.10	23.79
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	57.26 PK	74.00	-16.74	2.85 V	104	50.81	6.45
2	5150.00	41.39 AV	54.00	-12.61	2.85 V	104	34.94	6.45
3	*5180.00	103.84 PK			1.02 V	148	97.39	6.45
4	*5180.00	94.36 AV			1.02 V	148	87.91	6.45
5	#10360.00	56.63 PK	74.00	-17.37	1.02 V	146	40.93	15.70
6	#10360.00	47.23 AV	54.00	-6.77	1.02 V	146	31.53	15.70
7	15540.00	68.52 PK	74.00	-5.48	1.30 V	216	44.73	23.79
8	15540.00	50.64 AV	54.00	-3.36	1.30 V	216	26.85	23.79

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	53.68 PK	74.00	-20.32	1.30 H	219	47.23	6.45
2	5150.00	42.28 AV	54.00	-11.72	1.30 H	219	35.83	6.45
3	*5200.00	108.97 PK			1.57 H	241	102.52	6.45
4	*5200.00	99.26 AV			1.57 H	241	92.81	6.45
5	#10400.00	56.38 PK	74.00	-17.62	1.02 H	149	40.47	15.91
6	#10400.00	42.28 AV	54.00	-11.72	1.02 H	149	26.37	15.91
7	15600.00	67.69 PK	74.00	-6.31	1.02 H	146	43.78	23.91
8	15600.00	50.57 AV	54.00	-3.43	1.02 H	146	26.66	23.91
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	53.28 PK	74.00	-20.72	1.35 V	219	46.83	6.45
2	5150.00	42.38 AV	54.00	-11.62	1.35 V	219	35.93	6.45
3	*5200.00	103.26 PK			1.02 V	148	96.81	6.45
4	*5200.00	93.74 AV			1.02 V	148	87.29	6.45
5	#10400.00	58.57 PK	74.00	-15.43	1.04 V	158	42.66	15.91
6	#10400.00	45.68 AV	54.00	-8.32	1.04 V	158	29.77	15.91
7	15600.00	67.24 PK	74.00	-6.76	1.30 V	216	43.33	23.91
8	15600.00	50.04 AV	54.00	-3.96	1.30 V	216	26.13	23.91

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	53.26 PK	74.00	-20.74	1.53 H	256	46.81	6.45
2	5150.00	43.26 AV	54.00	-10.74	1.53 H	256	36.81	6.45
3	*5240.00	110.05 PK			1.36 H	250	103.60	6.45
4	*5240.00	99.98 AV			1.36 H	250	93.53	6.45
5	5350.00	54.27 PK	74.00	-19.73	1.35 H	269	47.83	6.45
6	5350.00	43.69 AV	54.00	-10.31	1.35 H	269	37.24	6.45
7	#10480.00	57.26 PK	74.00	-16.74	1.21 H	89	40.95	16.31
8	#10480.00	46.36 AV	54.00	-7.64	1.21 H	89	30.05	16.31
9	15720.00	67.36 PK	74.00	-6.64	1.30 H	169	43.24	24.12
10	15720.00	50.28 AV	54.00	-3.72	1.30 H	169	26.16	24.12
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	51.29 PK	74.00	-22.71	1.35 V	107	44.84	6.45
2	5150.00	40.38 AV	54.00	-13.62	1.35 V	107	33.93	6.45
3	*5240.00	103.70 PK			1.02 V	136	97.25	6.45
4	*5240.00	94.66 AV			1.02 V	136	88.21	6.45
5	5350.00	52.85 PK	74.00	-21.15	1.30 V	216	46.41	6.45
6	5350.00	41.27 AV	54.00	-12.73	1.30 V	216	34.83	6.45
7	#10480.00	58.98 PK	74.00	-15.02	1.02 V	138	42.67	16.31
8	#10480.00	46.25 AV	54.00	-7.75	1.02 V	138	29.94	16.31
9	15720.00	68.95 PK	74.00	-5.05	1.30 V	210	44.83	24.12
10	15720.00	49.98 AV	54.00	-4.02	1.30 V	210	25.86	24.12

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	71.56 PK	74.00	-2.44	1.25 H	198	65.11	6.45
2	5150.00	53.68 AV	54.00	-0.32	1.25 H	198	47.23	6.45
3	*5190.00	107.19 PK			1.02 H	168	100.73	6.45
4	*5190.00	97.96 AV			1.02 H	168	91.50	6.45
5	#10480.00	58.57 PK	74.00	-15.43	1.10 H	169	42.26	16.31
6	#10480.00	45.69 AV	54.00	-8.31	1.10 H	169	29.38	16.31
7	15720.00	68.98 PK	74.00	-5.02	1.02 H	124	44.86	24.12
8	15720.00	51.27 AV	54.00	-2.73	1.02 H	124	27.15	24.12
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	65.98 PK	74.00	-8.02	1.20 V	143	59.53	6.45
2	5150.00	49.68 AV	54.00	-4.32	1.20 V	143	43.23	6.45
3	*5190.00	100.22 PK			1.25 V	149	93.77	6.45
4	*5190.00	91.17 AV			1.25 V	149	84.72	6.45
5	#10480.00	58.85 PK	74.00	-15.15	1.02 V	198	42.54	16.31
6	#10480.00	47.25 AV	54.00	-6.75	1.02 V	198	30.94	16.31
7	15720.00	69.36 PK	74.00	-4.64	1.02 V	147	45.24	24.12
8	15720.00	50.89 AV	54.00	-3.11	1.02 V	147	26.77	24.12

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	54.28 PK	74.00	-19.72	1.30 H	219	47.83	6.45
2	5150.00	43.69 AV	54.00	-10.31	1.30 H	219	37.24	6.45
3	*5230.00	107.00 PK			1.30 H	219	100.55	6.45
4	*5230.00	97.60 AV			1.30 H	219	91.14	6.45
5	#10460.00	56.64 PK	74.00	-17.36	1.21 H	136	40.43	16.21
6	#10460.00	44.01 AV	54.00	-9.99	1.21 H	136	27.80	16.21
7	15690.00	69.68 PK	74.00	-4.32	1.40 H	269	45.61	24.07
8	15690.00	50.57 AV	54.00	-3.43	1.40 H	269	26.50	24.07
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	50.29 PK	74.00	-23.71	1.58 V	248	43.84	6.45
2	5150.00	42.39 AV	54.00	-11.61	1.58 V	248	35.94	6.45
3	*5230.00	99.91 PK			1.35 V	249	93.45	6.45
4	*5230.00	90.59 AV			1.35 V	249	84.14	6.45
5	#10460.00	54.58 PK	74.00	-19.42	1.52 V	220	38.37	16.21
6	#10460.00	46.98 AV	54.00	-7.02	1.52 V	220	30.77	16.21
7	15690.00	65.69 PK	74.00	-8.31	1.30 V	218	41.62	24.07
8	15690.00	49.35 AV	54.00	-4.65	1.30 V	218	25.28	24.07

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band 2 (5250-5350MHz):

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	54.58 PK	74.00	-19.42	1.02 H	139	48.13	6.45
2	5150.00	41.28 AV	54.00	-12.72	1.02 H	139	34.83	6.45
3	*5260.00	109.86 PK			1.35 H	248	103.41	6.45
4	*5260.00	100.89 AV			1.35 H	248	94.44	6.45
5	5350.00	55.25 PK	74.00	-18.75	1.35 H	249	48.80	6.45
6	5350.00	43.26 AV	54.00	-10.74	1.35 H	249	36.81	6.45
7	#10520.00	56.69 PK	74.00	-17.31	1.02 H	198	40.22	16.47
8	#10520.00	45.58 AV	54.00	-8.42	1.02 H	198	29.11	16.47
9	15780.00	69.65 PK	74.00	-4.35	1.02 H	144	45.41	24.24
10	15780.00	50.85 AV	54.00	-3.15	1.02 H	144	26.61	24.24
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	45.36 PK	74.00	-28.64	1.30 V	219	38.91	6.45
2	5150.00	39.68 AV	54.00	-14.32	1.30 V	219	33.23	6.45
3	*5260.00	103.66 PK			1.58 V	269	97.21	6.45
4	*5260.00	94.81 AV			1.58 V	269	88.36	6.45
5	5350.00	52.28 PK	74.00	-21.72	1.30 V	219	45.84	6.45
6	5350.00	40.21 AV	54.00	-13.79	1.30 V	219	33.77	6.45
7	#10520.00	56.25 PK	74.00	-17.75	1.25 V	149	39.78	16.47
8	#10520.00	46.32 AV	54.00	-7.68	1.25 V	149	29.85	16.47
9	15780.00	69.65 PK	74.00	-4.35	1.02 V	145	45.41	24.24
10	15780.00	50.85 AV	54.00	-3.15	1.02 V	145	26.61	24.24

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 emission levels of other frequencies were less than 20dB margin 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 56	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5280.00	111.07 PK			1.02 H	168	104.62	6.45
2	*5280.00	101.88 AV			1.02 H	168	95.43	6.45
3	5350.00	56.27 PK	74.00	-17.73	1.30 H	219	49.83	6.45
4	5350.00	43.58 AV	54.00	-10.42	1.30 H	219	37.13	6.45
5	#10560.00	57.85 PK	74.00	-16.15	1.02 H	136	41.28	16.57
6	#10560.00	46.38 AV	54.00	-7.62	1.02 H	136	29.81	16.57
7	15840.00	69.36 PK	74.00	-4.64	1.25 H	149	45.01	24.35
8	15840.00	50.89 AV	54.00	-3.11	1.25 H	149	26.54	24.35
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	*5280.00	106.18 PK			1.05 V	205	99.73	6.45
2	*5280.00	96.61 AV			1.05 V	205	90.16	6.45
3	5350.00	52.38 PK	74.00	-21.62	1.02 V	169	45.94	6.45
4	5350.00	40.58 AV	54.00	-13.42	1.02 V	169	34.13	6.45
5	#10560.00	58.86 PK	74.00	-15.14	1.35 V	249	42.29	16.57
6	#10560.00	45.85 AV	54.00	-8.15	1.35 V	249	29.28	16.57
7	15840.00	69.68 PK	74.00	-4.32	1.30 V	198	45.33	24.35
8	15840.00	50.28 AV	54.00	-3.72	1.30 V	198	25.93	24.35

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	110.95 PK			1.35 H	249	104.50	6.45
2	*5320.00	102.28 AV			1.35 H	249	95.83	6.45
3	5350.00	57.85 PK	74.00	-16.15	1.25 H	125	51.41	6.45
4	5350.00	43.69 AV	54.00	-10.31	1.25 H	125	37.24	6.45
5	10640.00	58.98 PK	74.00	-15.02	1.30 H	249	42.21	16.77
6	10640.00	46.69 AV	54.00	-7.31	1.30 H	249	29.92	16.77
7	15960.00	69.68 PK	74.00	-4.32	1.30 H	360	45.11	24.57
8	15960.00	50.96 AV	54.00	-3.04	1.30 H	360	26.39	24.57
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	106.18 PK			1.02 V	168	99.73	6.45
2	*5320.00	97.53 AV			1.02 V	168	91.08	6.45
3	5350.00	54.87 PK	74.00	-19.13	1.30 V	269	48.42	6.45
4	5350.00	42.57 AV	54.00	-11.43	1.30 V	269	36.12	6.45
5	10640.00	58.54 PK	74.00	-15.46	1.35 V	247	41.77	16.77
6	10640.00	46.95 AV	54.00	-7.05	1.35 V	247	30.18	16.77
7	15960.00	67.85 PK	74.00	-6.15	1.30 V	219	43.28	24.57
8	15960.00	49.68 AV	54.00	-4.32	1.30 V	219	25.11	24.57

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	53.25 PK	74.00	-20.75	1.30 H	216	46.80	6.45
2	5150.00	43.02 AV	54.00	-10.98	1.30 H	216	36.57	6.45
3	*5260.00	110.02 PK			1.02 H	136	103.57	6.45
4	*5260.00	100.72 AV			1.02 H	136	94.27	6.45
5	5350.00	52.58 PK	74.00	-21.42	1.02 H	130	46.13	6.45
6	5350.00	42.69 AV	54.00	-11.31	1.02 H	130	36.24	6.45
7	#10520.00	56.69 PK	74.00	-17.31	1.02 H	138	40.22	16.47
8	#10520.00	46.02 AV	54.00	-7.98	1.02 H	138	29.55	16.47
9	15780.00	67.85 PK	74.00	-6.15	1.25 H	213	43.61	24.24
10	15780.00	50.98 AV	54.00	-3.02	1.25 H	213	26.74	24.24
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	51.23 PK	74.00	-22.77	1.30 V	219	44.78	6.45
2	5150.00	42.58 AV	54.00	-11.42	1.30 V	219	36.13	6.45
3	*5260.00	105.60 PK			1.30 V	216	99.15	6.45
4	*5260.00	98.58 AV			1.30 V	216	92.13	6.45
5	5350.00	52.28 PK	74.00	-21.72	1.43 V	241	45.84	6.45
6	5350.00	40.98 AV	54.00	-13.02	1.43 V	241	34.53	6.45
7	#10520.00	58.21 PK	74.00	-15.79	1.30 V	216	41.74	16.47
8	#10520.00	45.67 AV	54.00	-8.33	1.30 V	216	29.20	16.47
9	15780.00	68.67 PK	74.00	-5.33	1.38 V	249	44.43	24.24
10	15780.00	50.69 AV	54.00	-3.31	1.38 V	249	26.45	24.24

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 emission levels of other frequencies were less than 20dB margin 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 56	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5280.00	110.72 PK			1.30 H	269	104.27	6.45
2	*5280.00	101.42 AV			1.30 H	269	94.97	6.45
3	5350.00	56.38 PK	74.00	-17.62	1.35 H	214	49.94	6.45
4	5350.00	46.28 AV	54.00	-7.72	1.35 H	214	39.84	6.45
5	#10560.00	67.56 PK	74.00	-6.44	1.32 H	219	50.99	16.57
6	#10560.00	45.28 AV	54.00	-8.72	1.32 H	219	28.71	16.57
7	15840.00	67.69 PK	74.00	-6.31	1.30 H	210	43.34	24.35
8	15840.00	50.27 AV	54.00	-3.73	1.30 H	210	25.92	24.35
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	*5280.00	104.85 PK			1.35 V	216	98.40	6.45
2	*5280.00	95.94 AV			1.35 V	216	89.49	6.45
3	5350.00	52.28 PK	74.00	-21.72	1.25 V	168	45.84	6.45
4	5350.00	39.68 AV	54.00	-14.32	1.25 V	168	33.23	6.45
5	#10560.00	57.85 PK	74.00	-16.15	1.30 V	219	41.28	16.57
6	#10560.00	42.26 AV	54.00	-11.74	1.30 V	219	25.69	16.57
7	15840.00	66.36 PK	74.00	-7.64	1.35 V	219	42.01	24.35
8	15840.00	50.21 AV	54.00	-3.79	1.35 V	219	25.86	24.35

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	110.22 PK			1.32 H	258	103.77	6.45
2	*5320.00	101.53 AV			1.32 H	258	95.08	6.45
3	5350.00	59.69 PK	74.00	-14.31	1.02 H	145	53.24	6.45
4	5350.00	45.69 AV	54.00	-8.31	1.02 H	145	39.24	6.45
5	10640.00	58.57 PK	74.00	-15.43	1.21 H	158	41.80	16.77
6	10640.00	44.59 AV	54.00	-9.41	1.21 H	158	27.82	16.77
7	15960.00	65.89 PK	74.00	-8.11	1.30 H	216	41.32	24.57
8	15960.00	49.25 AV	54.00	-4.75	1.30 H	216	24.68	24.57
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	104.79 PK			1.30 V	269	98.34	6.45
2	*5320.00	95.61 AV			1.30 V	269	89.16	6.45
3	5350.00	54.21 PK	74.00	-19.79	1.30 V	216	47.77	6.45
4	5350.00	40.39 AV	54.00	-13.61	1.30 V	216	33.95	6.45
5	10640.00	55.69 PK	74.00	-18.31	1.02 V	168	38.92	16.77
6	10640.00	42.01 AV	54.00	-11.99	1.02 V	168	25.24	16.77
7	15960.00	68.65 PK	74.00	-5.35	1.39 V	321	44.08	24.57
8	15960.00	50.01 AV	54.00	-3.99	1.39 V	321	25.44	24.57

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5270.00	108.44 PK			1.45 H	201	102.00	6.45
2	*5270.00	98.74 AV			1.45 H	201	92.29	6.45
3	5350.00	55.98 PK	74.00	-18.02	1.30 H	216	49.53	6.45
4	5350.00	41.27 AV	54.00	-12.73	1.30 H	216	34.83	6.45
5	#10540.00	56.37 PK	74.00	-17.63	1.02 H	145	39.86	16.51
6	#10540.00	44.85 AV	54.00	-9.15	1.02 H	145	28.34	16.51
7	15810.00	68.59 PK	74.00	-5.41	1.30 H	269	44.30	24.29
8	15810.00	49.89 AV	54.00	-4.11	1.30 H	269	25.60	24.29
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	102.06 PK			1.30 V	298	95.62	6.45
2	*5270.00	92.68 AV			1.30 V	298	86.24	6.45
3	5350.00	52.58 PK	74.00	-21.42	1.02 V	168	46.13	6.45
4	5350.00	42.28 AV	54.00	-11.72	1.02 V	168	35.84	6.45
5	#10540.00	56.69 PK	74.00	-17.31	1.35 V	249	40.18	16.51
6	#10540.00	45.87 AV	54.00	-8.13	1.35 V	249	29.36	16.51
7	15810.00	67.56 PK	74.00	-6.44	1.30 V	269	43.27	24.29
8	15810.00	50.24 AV	54.00	-3.76	1.30 V	269	25.95	24.29

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 emission levels of other frequencies were less than 20dB margin 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	108.56 PK			1.56 H	287	102.12	6.44
2	*5310.00	98.32 AV			1.56 H	287	91.87	6.44
3	5350.00	68.37 PK	74.00	-5.63	1.20 H	130	61.93	6.45
4	5350.00	52.24 AV	54.00	-1.76	1.20 H	130	45.80	6.45
5	10620.00	56.69 PK	74.00	-17.31	1.30 H	219	39.97	16.72
6	10620.00	45.27 AV	54.00	-8.73	1.30 H	219	28.55	16.72
7	15930.00	67.65 PK	74.00	-6.35	1.35 H	269	43.13	24.52
8	15930.00	49.36 AV	54.00	-4.64	1.35 H	269	24.84	24.52
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	102.21 PK			1.25 V	360	95.77	6.44
2	*5310.00	92.85 AV			1.25 V	360	86.41	6.44
3	5350.00	63.35 PK	74.00	-10.65	1.30 V	248	56.91	6.45
4	5350.00	49.68 AV	54.00	-4.32	1.30 V	248	43.23	6.45
5	10620.00	56.25 PK	74.00	-17.75	1.30 V	219	39.53	16.72
6	10620.00	46.38 AV	54.00	-7.62	1.30 V	219	29.66	16.72
7	15930.00	68.54 PK	74.00	-5.46	1.35 V	246	44.02	24.52
8	15930.00	48.98 AV	54.00	-5.02	1.35 V	246	24.46	24.52

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

Band 3 (5470-5725MHz):

ABOVE 1GHz DATA

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5470.00	64.09 PK	68.20	-4.11	1.24 H	169	57.65	6.45
3	*5500.00	111.06 PK			1.35 H	249	104.62	6.44
4	*5500.00	101.97 AV			1.35 H	249	95.53	6.44
5	11000.00	63.57 PK	74.00	-10.43	1.35 H	249	45.86	17.71
6	11000.00	50.89 AV	54.00	-3.11	1.35 H	249	33.18	17.71
7	#16500.00	60.58 PK	74.00	-13.42	1.35 H	247	35.99	24.59
8	#16500.00	49.68 AV	54.00	-4.32	1.35 H	247	25.09	24.59
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5470.00	61.24 PK	68.20	-6.96	1.36 V	352	54.80	6.45
3	*5500.00	107.80 PK			1.36 V	268	101.36	6.44
4	*5500.00	97.38 AV			1.36 V	268	90.94	6.44
5	11000.00	49.68 PK	74.00	-24.32	1.02 V	169	31.97	17.71
6	11000.00	42.58 AV	54.00	-11.42	1.02 V	169	24.87	17.71
7	#16500.00	57.25 PK	74.00	-16.75	1.30 V	269	32.66	24.59
8	#16500.00	48.69 AV	54.00	-5.31	1.30 V	269	24.10	24.59

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	53.69 PK	68.20	-14.51	1.30 H	269	47.24	6.45
3	*5580.00	111.36 PK			1.30 H	269	104.59	6.77
4	*5580.00	101.70 AV			1.30 H	269	94.93	6.77
5	11160.00	56.35 PK	74.00	-17.65	1.35 H	248	38.64	17.71
6	11160.00	49.68 AV	54.00	-4.32	1.35 H	248	31.97	17.71
7	#16740.00	58.69 PK	74.00	-15.31	1.30 H	269	33.43	25.26
8	#16740.00	48.98 AV	54.00	-5.02	1.30 H	269	23.72	25.26
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	52.35 PK	74.00	-15.85	1.20 V	156	45.91	6.45
3	*5580.00	107.89 PK			1.20 V	258	101.12	6.77
4	*5580.00	98.71 AV			1.20 V	258	91.94	6.77
5	11160.00	54.25 PK	74.00	-19.75	1.00 V	360	36.54	17.71
6	11160.00	44.54 AV	54.00	-9.46	1.00 V	360	26.83	17.71
7	#16740.00	60.28 PK	74.00	-13.72	1.30 V	269	35.02	25.26
8	#16740.00	49.68 AV	54.00	-4.32	1.30 V	269	24.42	25.26

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	110.32 PK			1.30 H	269	103.06	7.26
2	*5700.00	101.26 AV			1.30 H	269	94.00	7.26
3	#5725.00	65.69 PK	68.2	-2.51	1.20 H	238	64.33	7.36
4	11400.00	65.25 PK	74.00	-8.75	1.32 H	258	47.55	17.70
5	11400.00	45.69 AV	54.00	-8.31	1.32 H	258	27.99	17.70
6	#17100.00	58.69 PK	74.00	-15.31	1.36 H	254	32.61	26.08
7	#17100.00	48.98 AV	54.00	-5.02	1.36 H	254	22.90	26.08
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	109.38 PK			1.30 V	258	102.12	7.26
2	*5700.00	101.11 AV			1.30 V	258	93.85	7.26
3	#5725.00	64.28 PK	68.2	-3.92	1.35 V	246	58.72	7.36
4	11400.00	57.85 PK	74.00	-16.15	1.35 V	249	40.15	17.70
5	11400.00	46.69 AV	54.00	-7.31	1.35 V	249	28.99	17.70
6	#17100.00	63.59 PK	74.00	-10.41	1.54 V	286	37.51	26.08
7	#17100.00	50.68 AV	54.00	-3.32	1.54 V	286	24.60	26.08

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	66.90 PK	68.20	-1.3	1.25 H	148	60.46	6.45
3	*5500.00	111.48 PK			1.30 H	269	105.04	6.44
4	*5500.00	101.84 AV			1.30 H	269	95.40	6.44
5	11000.00	63.25 PK	74.00	-10.75	1.02 H	147	45.54	17.71
6	11000.00	46.35 AV	54.00	-7.65	1.02 H	147	28.64	17.71
7	#16500.00	61.27 PK	74.00	-12.73	1.30 H	261	36.68	24.59
8	#16500.00	49.32 AV	54.00	-4.68	1.30 H	261	24.73	24.59
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	63.25 PK	68.20	-4.95	1.35 V	285	56.80	6.45
3	*5500.00	107.98 PK			1.35 V	249	101.54	6.44
4	*5500.00	98.33 AV			1.35 V	249	91.89	6.44
5	11000.00	59.68 PK	74.00	-14.32	1.02 V	168	41.97	17.71
6	11000.00	47.58 AV	54.00	-6.42	1.02 V	168	29.87	17.71
7	#16500.00	62.25 PK	74.00	-11.75	1.35 V	249	37.66	24.59
8	#16500.00	50.68 AV	54.00	-3.32	1.35 V	249	26.09	24.59

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	53.69 PK	68.20	-14.51	1.36 H	258	47.24	6.45
3	*5580.00	110.86 PK			1.30 H	265	104.09	6.77
4	*5580.00	101.12 AV			1.30 H	265	94.35	6.77
5	11160.00	65.47 PK	74.00	-8.53	1.30 H	269	47.76	17.71
6	11160.00	51.13 AV	54.00	-2.87	1.30 H	269	33.42	17.71
7	#16740.00	69.68 PK	74.00	-4.32	1.36 H	219	44.42	25.26
8	#16740.00	50.59 AV	54.00	-3.41	1.36 H	219	25.33	25.26
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	53.69 PK	68.20	-14.51	1.36 V	259	47.24	6.45
3	*5580.00	108.77 PK			1.30 V	260	102.00	6.77
4	*5580.00	98.64 AV			1.30 V	260	91.87	6.77
5	11160.00	57.85 PK	74.00	-16.15	1.02 V	168	40.14	17.71
6	11160.00	43.69 AV	54.00	-10.31	1.02 V	168	25.98	17.71
7	#16740.00	63.58 PK	74.00	-10.42	1.32 V	258	38.32	25.26
8	#16740.00	49.98 AV	54.00	-4.02	1.32 V	258	24.72	25.26

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	108.52 PK			1.30 H	258	101.26	7.26
2	*5700.00	99.15 AV			1.30 H	258	91.89	7.26
3	#5725.00	66.01 PK	68.20	-2.19	1.02 H	198	58.65	7.36
4	11400.00	57.58 PK	74.00	-16.42	1.08 H	215	39.88	17.70
5	11400.00	46.38 AV	54.00	-7.62	1.08 H	215	28.68	17.70
6	#17100.00	61.25 PK	74.00	-12.75	1.30 H	210	35.17	26.08
7	#17100.00	49.67 AV	54.00	-4.33	1.30 H	210	23.59	26.08
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	107.98 PK			1.30 V	258	100.72	7.26
2	*5700.00	98.68 AV			1.30 V	258	91.42	7.26
3	#5725.00	65.35 PK	68.20	-2.85	1.35 V	249	57.99	7.36
4	11400.00	54.58 PK	74.00	-19.42	1.30 V	268	36.88	17.70
5	11400.00	39.69 AV	54.00	-14.31	1.30 V	268	21.99	17.70
6	#17100.00	61.25 PK	74.00	-12.75	1.36 V	269	35.17	26.08
7	#17100.00	50.28 AV	54.00	-3.72	1.36 V	269	24.20	26.08

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	65.76 PK	68.20	-2.44	1.02 H	168	65.12	6.45
3	*5510.00	109.14 PK			1.30 H	258	102.66	6.48
4	*5510.00	99.39 AV			1.30 H	258	92.91	6.48
5	11020.00	58.69 PK	74.00	-15.31	1.25 H	216	40.99	17.70
6	11020.00	45.65 AV	54.00	-8.35	1.25 H	216	27.95	17.70
7	#16530.00	61.02 PK	74.00	-12.98	1.36 H	254	36.35	24.67
8	#16530.00	49.68 AV	54.00	-4.32	1.36 H	254	25.01	24.67
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	#5470.00	65.78 PK	68.20	-2.42	1.02 V	148	58.13	6.45
3	*5510.00	102.57 PK			1.30 V	268	96.09	6.48
4	*5510.00	92.99 AV			1.30 V	268	86.51	6.48
5	11020.00	58.57 PK	74.00	-15.43	1.30 V	49	40.87	17.70
6	11020.00	43.69 AV	54.00	-10.31	1.30 V	49	25.99	17.70
7	#16530.00	63.25 PK	74.00	-10.75	1.35 V	246	38.58	24.67
8	#16530.00	49.57 AV	54.00	-4.43	1.35 V	246	24.90	24.67

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	52.57 PK	68.20	-5.63	1.20 H	268	51.92	6.45
3	*5550.00	108.23 PK			1.30 H	258	101.59	6.64
4	*5550.00	98.68 AV			1.30 H	258	92.04	6.64
5	11100.00	56.33 PK	74.00	-17.67	1.30 H	219	38.63	17.70
6	11100.00	42.58 AV	54.00	-11.42	1.30 H	219	24.88	17.70
7	#16650.00	61.27 PK	74.00	-12.73	1.36 H	258	36.26	25.01
8	#16650.00	49.67 AV	54.00	-4.33	1.36 H	258	24.66	25.01
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	60.58 PK	68.20	-7.62	1.20 V	180	49.94	6.45
3	*5550.00	105.33 PK			1.32 V	258	98.69	6.64
4	*5550.00	95.62 AV			1.32 V	258	88.98	6.64
5	11100.00	56.68 PK	74.00	-17.32	1.30 V	216	38.98	17.70
6	11100.00	46.57 AV	54.00	-7.43	1.30 V	216	28.87	17.70
7	#16650.00	61.24 PK	74.00	-12.76	1.30 V	269	36.23	25.01
8	#16650.00	49.68 AV	54.00	-4.32	1.30 V	269	24.67	25.01

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 emission levels of other frequencies were less than 20dB margin 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	107.84 PK			1.07 H	214	100.70	7.14
2	*5670.00	98.42 AV			1.07 H	214	91.28	7.14
3	**#5725.00**	**67.24PK**	**68.20**	**-0.96**	**1.30 H**	**269**	**65.68**	**7.36**
5	11340.00	57.26 PK	74.00	-16.74	1.30 H	214	39.57	17.69
6	11340.00	47.28 AV	54.00	-6.72	1.30 H	214	29.59	17.69
7	#17010.00	60.57 PK	74.00	-13.43	1.30 H	269	34.57	26.00
8	#17010.00	50.29 AV	54.00	-3.71	1.30 H	269	24.29	26.00
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	*5670.00	107.12 PK			1.02 V	268	99.98	7.14
2	*5670.00	97.68 AV			1.02 V	268	90.54	7.14
3	#5725.00	66.32 PK	68.20	-1.88	1.30 V	258	64.76	7.36
5	11340.00	57.37 PK	74.00	-16.63	1.30 V	298	39.68	17.69
6	11340.00	44.69 AV	54.00	-9.31	1.30 V	298	27.00	17.69
7	#17010.00	62.58 PK	74.00	-11.42	1.20 V	251	36.58	26.00
8	#17010.00	49.97 AV	54.00	-4.03	1.20 V	251	23.97	26.00

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band 4 (5725-5850MHz):

ABOVE 1GHz DATA

802.11a

CHANNEL	TX Channel 149	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5650.00	51.22 PK	68.20	-16.98	1.43 H	109	44.16	7.06
2	#5700.00	52.65 PK	105.20	-52.55	1.84 H	109	45.39	7.26
3	#5720.00	68.72 PK	110.80	-42.08	2.26 H	109	61.37	7.35
4	#5725.00	75.30 PK	122.20	-46.90	2.43 H	109	67.94	7.36
5	*5745.00	110.25 PK			1.02 H	248	102.80	7.45
6	*5745.00	101.73 AV			1.02 H	248	94.28	7.45
7	11490.00	56.28 PK	74.00	-17.72	1.30 H	258	38.59	17.69
8	11490.00	44.69 AV	54.00	-9.31	1.30 H	258	27.00	17.69
9	#17235.00	61.28 PK	74.00	-12.72	1.02 H	147	35.09	26.19
10	#17235.00	50.75 AV	54.00	-3.25	1.02 H	147	24.56	26.19
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5650.00	49.80 PK	68.20	-18.40	1.00 V	11	42.74	7.06
2	#5700.00	51.18 PK	105.20	-54.02	1.00 V	11	43.92	7.26
3	#5720.00	66.54 PK	110.80	-44.26	1.00 V	11	59.19	7.35
4	#5725.00	72.38 PK	122.20	-49.82	1.00 V	11	65.02	7.36
5	*5745.00	109.68 PK			1.25 V	158	102.23	7.45
6	*5745.00	101.16 AV			1.25 V	158	93.71	7.45
7	11490.00	56.35 PK	74.00	-17.65	1.02 V	320	38.66	17.69
8	11490.00	44.79 AV	54.00	-9.21	1.02 V	320	27.10	17.69
9	#17235.00	63.36 PK	74.00	-10.64	1.02 V	154	37.17	26.19
10	#17235.00	50.98 AV	54.00	-3.02	1.02 V	154	24.79	26.19

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 emission levels of other frequencies were less than 20dB margin 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	#5650.00	51.32 PK	68.20	-16.88	1.00 H	106	44.26	7.06
2	#5700.00	52.60 PK	105.20	-52.60	1.00 H	106	45.34	7.26
3	#5720.00	53.36 PK	110.80	-57.44	1.00 H	106	46.01	7.35
4	#5725.00	54.19 PK	122.20	-68.01	1.00 H	106	46.83	7.36
5	*5785.00	111.89 PK			1.25 H	142	104.28	7.61
6	*5785.00	101.97 AV			1.25 H	142	94.36	7.61
7	#5850.00	53.00 PK	122.20	-69.20	1.00 H	106	45.12	7.88
8	#5855.00	51.93 PK	110.80	-58.87	1.00 H	106	44.03	7.90
9	#5875.00	51.73 PK	105.20	-53.47	1.00 H	106	43.75	7.98
10	#5925.00	47.57 PK	68.20	-20.63	1.00 H	106	39.37	8.20
11	11570.00	56.38 PK	74.00	-17.62	1.02 H	216	38.53	17.85
12	11570.00	43.69 AV	54.00	-10.31	1.02 H	216	25.84	17.85
13	#17355.00	59.68 PK	74.00	-14.32	1.02 H	168	33.38	26.30
14	#17355.00	48.65 AV	54.00	-5.35	1.02 H	168	22.35	26.30
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	#5650.00	49.41 PK	68.20	-18.79	1.00 V	10	42.35	7.06
2	#5700.00	52.38 PK	105.20	-52.82	1.00 V	10	45.12	7.26
3	#5720.00	51.83 PK	110.80	-58.97	1.00 V	10	44.48	7.35
4	#5725.00	52.72 PK	122.20	-69.48	1.00 V	10	45.36	7.36
5	*5785.00	110.67 PK			1.02 V	168	103.06	7.61
6	*5785.00	101.86 AV			1.02 V	168	94.25	7.61
7	#5850.00	52.42 PK	122.20	-69.78	2.92 V	10	44.54	7.88
8	#5855.00	51.46 PK	110.80	-59.34	2.50 V	10	43.56	7.90
9	#5875.00	51.79 PK	105.20	-53.41	2.09 V	10	43.81	7.98
10	#5925.00	50.77 PK	68.20	-17.43	1.69 V	10	42.57	8.20
11	11570.00	54.57 PK	74.00	-19.43	1.30 V	125	36.72	17.85
12	11570.00	43.59 AV	54.00	-10.41	1.30 V	125	25.74	17.85
13	#17355.00	59.64 PK	74.00	-14.36	1.30 V	219	33.34	26.30
14	#17355.00	48.26 AV	54.00	-5.74	1.30 V	219	21.96	26.30

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	110.74 PK			1.32 H	269	102.96	7.78
2	*5825.00	101.93 AV			1.32 H	269	94.15	7.78
3	#5850.00	64.32 PK	122.20	-57.88	3.98 H	110	56.44	7.88
4	#5855.00	60.98 PK	110.80	-49.82	3.54 H	110	53.08	7.90
5	#5875.00	53.15 PK	105.20	-52.05	3.20 H	110	45.17	7.98
6	#5925.00	51.41 PK	68.20	-16.79	2.80 H	110	43.21	8.20
7	11650.00	54.26 PK	74.00	-19.74	1.30 H	245	36.24	18.02
8	11650.00	43.26 AV	54.00	-10.74	1.30 H	245	25.24	18.02
9	#17475.00	60.85 PK	74.00	-13.15	1.20 H	140	34.45	26.40
10	#17475.00	49.69 AV	54.00	-4.31	1.20 H	140	23.29	26.40
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	110.36 PK			1.58 V	215	102.58	7.78
2	*5825.00	101.48 AV			1.58 V	215	93.70	7.78
3	#5850.00	63.92 PK	122.20	-58.28	1.00 V	10	56.04	7.88
4	#5855.00	57.85 PK	110.80	-52.95	1.00 V	10	49.95	7.90
5	#5875.00	52.94 PK	105.20	-52.26	2.42 V	10	44.96	7.98
6	#5925.00	53.25 PK	68.20	-14.95	2.82 V	10	45.05	8.20
7	11650.00	56.68 PK	74.00	-17.32	1.02 V	146	38.66	18.02
8	11650.00	45.27 AV	54.00	-8.73	1.02 V	146	27.25	18.02
9	#17475.00	62.02 PK	74.00	-11.98	1.02 V	147	35.62	26.40
10	#17475.00	50.94 AV	54.00	-3.06	1.02 V	147	24.54	26.40

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (20MHz)

CHANNEL	TX Channel 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	#5650.00	50.62 PK	68.20	-17.58	2.76 H	101	43.56	7.06
2	#5700.00	52.89 PK	105.20	-52.31	3.09 H	101	45.63	7.26
3	#5720.00	73.41 PK	110.80	-37.39	3.47 H	101	66.06	7.35
4	#5725.00	78.60 PK	122.20	-43.60	3.94 H	101	71.24	7.36
5	*5745.00	109.79 PK			1.30 H	258	102.34	7.45
6	*5745.00	101.06 AV			1.30 H	258	93.61	7.45
7	11490.00	52.24 PK	74.00	-21.76	1.30 H	217	34.55	17.69
8	11490.00	43.69 AV	54.00	-10.31	1.30 H	217	26.00	17.69
9	#17235.00	59.21 PK	74.00	-14.79	1.25 H	148	33.02	26.19
10	#17235.00	46.69 AV	54.00	-7.31	1.25 H	148	20.50	26.19
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5650.00	48.33 PK	68.20	-19.87	1.00 V	11	41.27	7.06
2	#5700.00	53.73 PK	105.20	-51.47	1.00 V	11	46.47	7.26
3	#5720.00	73.09 PK	110.80	-37.71	1.00 V	11	65.74	7.35
4	#5725.00	78.58 PK	122.20	-43.62	1.00 V	11	71.22	7.36
5	*5745.00	109.26 PK			1.25 V	147	101.81	7.45
6	*5745.00	100.30 AV			1.25 V	147	92.85	7.45
7	11490.00	56.69 PK	74.00	-17.31	1.30 V	269	39.00	17.69
8	11490.00	43.57 AV	54.00	-10.43	1.30 V	269	25.88	17.69
9	#17235.00	59.68 PK	74.00	-14.32	1.02 V	147	33.49	26.19
10	#17235.00	48.25 AV	54.00	-5.75	1.02 V	147	22.06	26.19

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 emission levels of other frequencies were less than 20dB margin 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) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5650.00	49.88 PK	68.20	-18.32	3.37 H	108	42.82	7.06
2	#5700.00	52.56 PK	105.20	-52.64	3.79 H	108	45.30	7.26
3	#5720.00	49.61 PK	110.80	-61.19	1.00 H	108	42.26	7.35
4	#5725.00	51.67 PK	122.20	-70.53	1.00 H	108	44.31	7.36
5	*5785.00	110.51 PK			1.20 H	265	102.90	7.61
6	*5785.00	101.42 AV			1.20 H	265	93.81	7.61
7	#5850.00	53.18 PK	122.20	-69.02	3.47 H	108	45.30	7.88
8	#5855.00	52.61 PK	110.80	-58.19	3.83 H	108	44.71	7.90
9	#5875.00	52.71 PK	105.20	-52.49	3.40 H	108	44.73	7.98
10	#5925.00	50.47 PK	68.20	-17.73	2.76 H	108	42.27	8.20
11	11570.00	52.02 PK	74.00	-21.98	1.30 H	215	34.17	17.85
12	11570.00	43.26 AV	54.00	-10.74	1.30 H	215	25.41	17.85
13	#17355.00	58.65 PK	74.00	-15.35	1.05 H	150	32.35	26.30
14	#17355.00	46.32 AV	54.00	-7.68	1.05 H	150	20.02	26.30
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	#5650.00	48.24 PK	68.20	-19.96	3.98 V	10	41.18	7.06
2	#5700.00	52.42 PK	105.20	-52.78	3.97 V	10	45.16	7.26
3	#5720.00	52.69 PK	110.80	-58.11	3.65 V	10	45.34	7.35
4	#5725.00	52.81 PK	122.20	-69.39	3.26 V	10	45.45	7.36
5	*5785.00	110.54 PK			1.30 V	269	102.93	7.61
6	*5785.00	101.11 AV			1.30 V	269	93.50	7.61
7	#5850.00	53.44 PK	122.20	-68.76	1.00 V	10	45.56	7.88
8	#5855.00	52.44 PK	110.80	-58.36	1.00 V	10	44.54	7.90
9	#5875.00	52.97 PK	105.20	-52.23	1.00 V	10	44.99	7.98
10	#5925.00	51.05 PK	68.20	-17.15	1.00 V	10	42.85	8.20
11	11570.00	56.35 PK	74.00	-17.65	1.30 V	215	38.50	17.85
12	11570.00	43.58 AV	54.00	-10.42	1.30 V	215	25.73	17.85
13	#17355.00	60.28 PK	74.00	-13.72	1.32 V	245	33.98	26.30
14	#17355.00	48.65 AV	54.00	-5.35	1.32 V	245	22.35	26.30

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	111.24 PK			1.32 H	256	103.46	7.78
2	*5825.00	101.28 AV			1.32 H	256	93.50	7.78
3	#5850.00	71.81 PK	122.20	-50.39	1.00 H	109	63.93	7.88
4	#5855.00	60.42 PK	110.80	-50.38	1.00 H	109	52.52	7.90
5	#5875.00	52.22 PK	105.20	-52.98	1.00 H	109	44.24	7.98
6	#5925.00	52.48 PK	68.20	-15.72	1.00 H	109	44.28	8.20
7	11650.00	56.69 PK	74.00	-17.31	1.45 H	130	38.67	18.02
8	11650.00	46.69 AV	54.00	-7.31	1.45 H	130	28.67	18.02
9	#17475.00	59.68 PK	74.00	-14.32	1.30 H	216	33.28	26.40
10	#17475.00	48.59 AV	54.00	-5.41	1.30 H	216	22.19	26.40
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	#5650.00	48.91 PK	68.20	-19.29	3.98 V	11	41.85	7.06
2	#5700.00	50.41 PK	105.20	-54.79	3.98 V	11	43.15	7.26
3	#5720.00	52.20 PK	110.80	-58.60	3.98 V	11	44.85	7.35
4	#5725.00	53.57 PK	122.20	-68.63	3.98 V	11	46.21	7.36
5	*5825.00	111.18 PK			1.20 V	258	103.40	7.78
6	*5825.00	99.96 AV			1.20 V	258	92.18	7.78
7	#5850.00	70.98 PK	122.20	-51.22	1.00 V	11	63.10	7.88
8	#5855.00	59.33 PK	110.80	-51.47	1.00 V	11	51.43	7.90
9	#5875.00	53.05 PK	105.20	-52.15	1.00 V	11	45.07	7.98
10	#5925.00	52.06 PK	68.20	-16.14	1.00 V	11	43.86	8.20
11	11650.00	54.52 PK	74.00	-19.48	1.30 V	280	36.50	18.02
12	11650.00	42.25 AV	54.00	-11.75	1.30 V	280	24.23	18.02
13	#17475.00	61.38 PK	74.00	-12.62	1.30 V	219	34.98	26.40
14	#17475.00	47.59 AV	54.00	-6.41	1.30 V	219	21.19	26.40

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (40MHz)

CHANNEL	TX Channel 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	#5650.00	51.76 PK	68.20	-16.44	1.24 H	105	44.70	7.06
2	#5700.00	68.99 PK	105.20	-36.21	2.54 H	105	61.73	7.26
3	#5720.00	79.04 PK	110.80	-31.76	3.98 H	105	71.69	7.35
4	#5725.00	80.44 PK	122.20	-41.76	3.98 H	105	73.08	7.36
5	*5755.00	108.71 PK			1.30 H	269	101.22	7.49
6	*5755.00	98.68 AV			1.30 H	269	91.19	7.49
7	11510.00	51.24 PK	74.00	-22.76	1.02 H	215	33.52	17.72
8	11510.00	41.20 AV	54.00	-12.80	1.02 H	215	23.48	17.72
9	#17265.00	57.65 PK	74.00	-16.35	1.54 H	211	31.42	26.23
10	#17265.00	44.57 AV	54.00	-9.43	1.54 H	211	18.34	26.23
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5650.00	51.27 PK	68.20	-16.93	2.14 V	10	44.21	7.06
2	#5700.00	68.44 PK	105.20	-36.76	2.51 V	10	61.18	7.26
3	#5720.00	78.23 PK	110.80	-32.57	2.89 V	10	70.88	7.35
4	#5725.00	79.73 PK	122.20	-42.47	3.32 V	10	72.37	7.36
5	*5755.00	107.07 PK			1.02 V	158	99.58	7.49
6	*5755.00	97.85 AV			1.02 V	158	90.36	7.49
7	11510.00	54.52 PK	74.00	-19.48	1.00 V	145	36.80	17.72
8	11510.00	42.58 AV	54.00	-11.42	1.00 V	145	24.86	17.72
9	#17265.00	58.98 PK	74.00	-15.02	1.36 V	258	32.75	26.23
10	#17265.00	47.25 AV	54.00	-6.75	1.36 V	258	21.02	26.23

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 emission levels of other frequencies were less than 20dB margin 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) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	108.65 PK			1.30 H	216	100.99	7.66
2	*5795.00	98.33 AV			1.30 H	216	90.67	7.66
3	#5850.00	69.07 PK	122.20	-53.13	1.00 H	105	61.19	7.88
4	#5855.00	63.24 PK	110.80	-47.56	1.00 H	105	55.34	7.90
5	#5875.00	55.98 PK	105.20	-49.22	1.00 H	105	48.00	7.98
6	#5925.00	52.11 PK	68.20	-16.09	1.00 H	105	43.91	8.20
7	11590.00	52.36 PK	74.00	-21.64	2.65 H	254	34.47	17.89
8	11590.00	41.03 AV	54.00	-12.97	2.65 H	254	23.14	17.89
9	#17385.00	56.69 PK	74.00	-17.31	1.58 H	147	30.37	26.32
10	#17385.00	45.26 AV	54.00	-8.74	1.58 H	147	18.94	26.32
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	107.83 PK			1.25 V	169	100.17	7.66
2	*5795.00	97.39 AV			1.25 V	169	89.73	7.66
3	#5850.00	68.46 PK	122.20	-53.74	2.80 V	0	60.58	7.88
4	#5855.00	62.66 PK	110.80	-48.14	3.02 V	9	54.76	7.90
5	#5875.00	55.76 PK	105.20	-49.44	2.46 V	9	47.78	7.98
6	#5925.00	52.02 PK	68.20	-16.18	1.98 V	9	43.82	8.20
7	11590.00	52.24 PK	74.00	-21.76	1.30 V	214	34.35	17.89
8	11590.00	41.70 AV	54.00	-12.30	1.30 V	214	23.81	17.89
9	#17385.00	57.85 PK	74.00	-16.15	1.30 V	210	31.53	26.32
10	#17385.00	45.21 AV	54.00	-8.79	1.30 V	210	18.89	26.32

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 emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

3.2 CONDUCTED EMISSION MEASUREMENT

3.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	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 0.50MHz.

3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

3.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	Apr. 05,17	Apr. 04,18
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Mar. 06,17	Mar. 05,18
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Apr. 05,17	Apr. 04,18
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Jan. 04,17	Jan. 03,18
Test software	ADT	ADT_Cond_V7.3.7	N/A	N/A	N/A

NOTE:

1. The test was performed in shielded room 553.
2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

3.2.3 TEST PROCEDURES

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

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

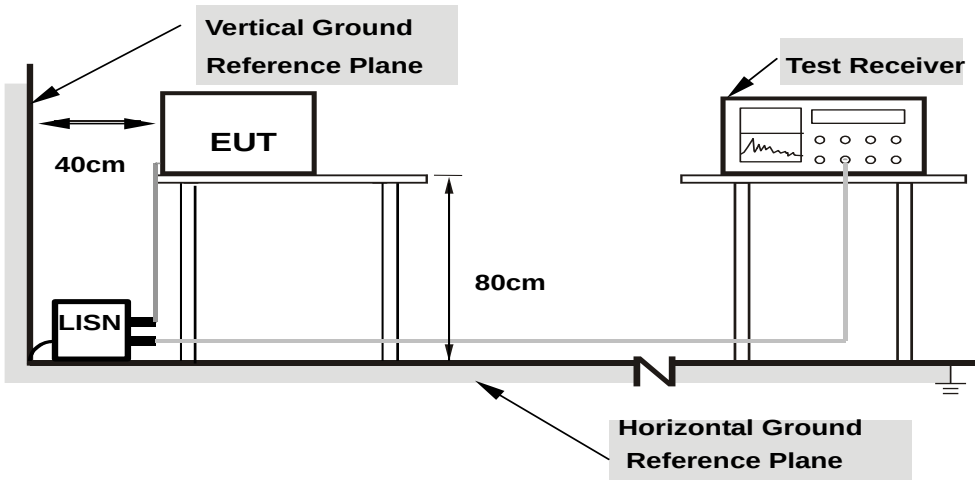
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

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

3.2.4 DEVIATION FROM TEST STANDARD

No deviation.

3.2.5 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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

3.2.6 EUT OPERATING CONDITIONS

Same as 3.1.6

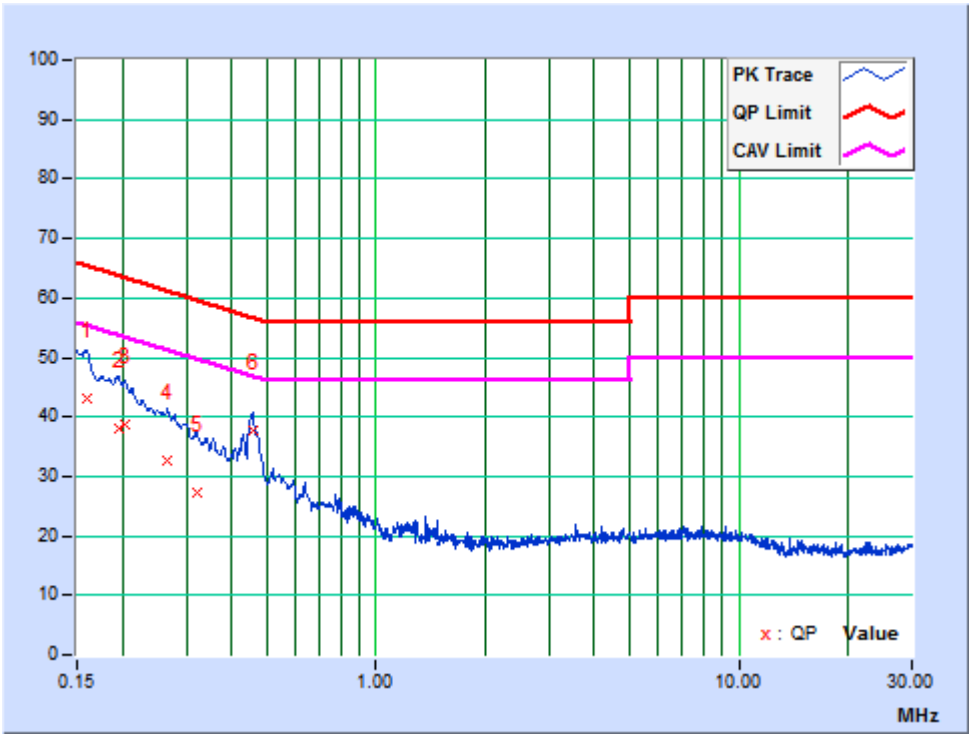
3.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA: 802.11a

PHASE	Line	6dB BANDWIDTH	9kHz

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	0.15924	10.22	32.94	15.09	43.16	25.31	65.50	55.50	-22.34	-30.19
2	0.19500	10.22	27.80	10.60	38.02	20.82	63.82	53.82	-25.80	-33.00
3	0.20356	10.22	28.37	12.19	38.59	22.41	63.46	53.46	-24.87	-31.05
4	0.26647	10.22	22.38	9.07	32.60	19.29	61.23	51.23	-28.63	-31.94
5	0.32100	10.22	17.07	5.41	27.29	15.63	59.68	49.68	-32.39	-34.05
6	0.45664	10.23	27.55	22.10	37.78	32.33	56.75	46.75	-18.97	-14.42

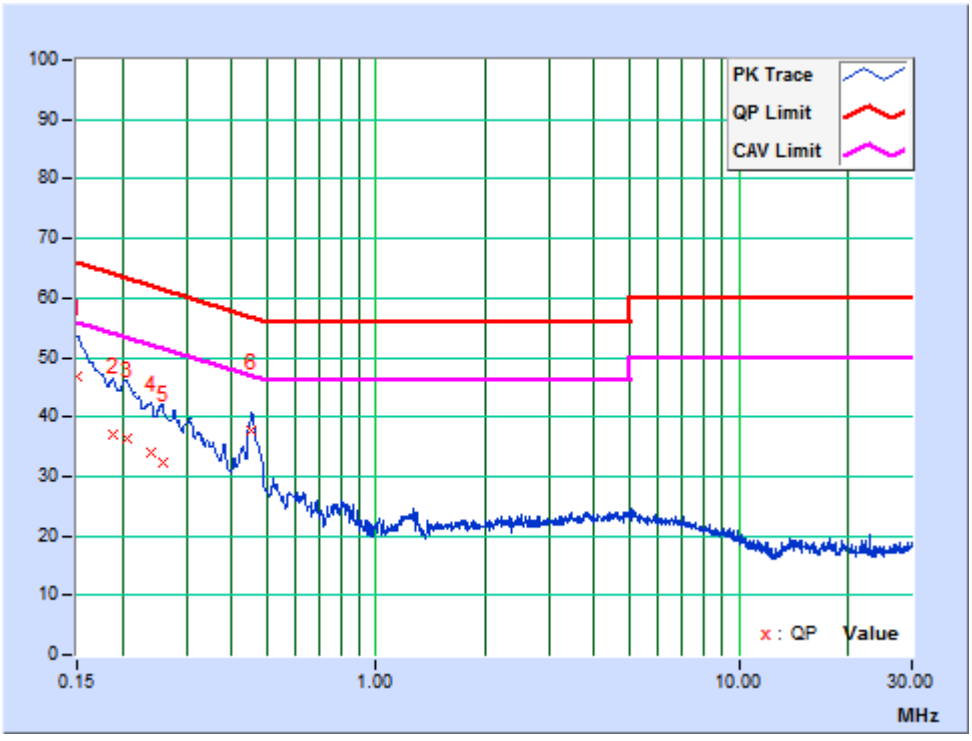
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading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



PHASE	Neutral	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.01	36.89	17.76	46.90	27.77	66.00	56.00	-19.10	-28.23
2	0.18825	10.01	27.06	10.77	37.07	20.78	64.11	54.11	-27.04	-33.33
3	0.20625	10.01	26.46	11.37	36.47	21.38	63.35	53.35	-26.88	-31.97
4	0.24000	10.01	24.06	10.69	34.07	20.70	62.10	52.10	-28.03	-31.40
5	0.25800	10.01	22.44	11.23	32.45	21.24	61.50	51.50	-29.05	-30.26
6	**0.45424**	**10.03**	**27.73**	**25.04**	**37.76**	**35.07**	**56.80**	**46.80**	**-19.04**	**-11.73**

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak an d 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.



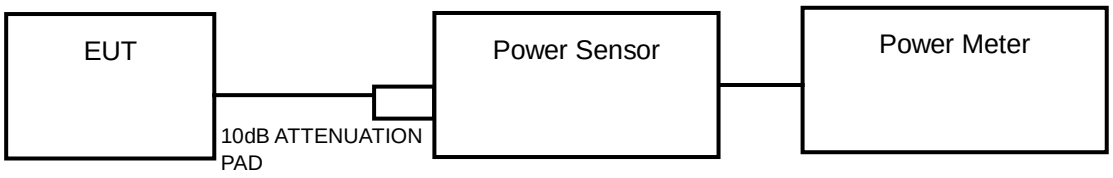
3.3 TRANSMIT POWER MEASUREMENT

3.3.1 LIMITS OF TRANSMIT POWER MEASUREMENT

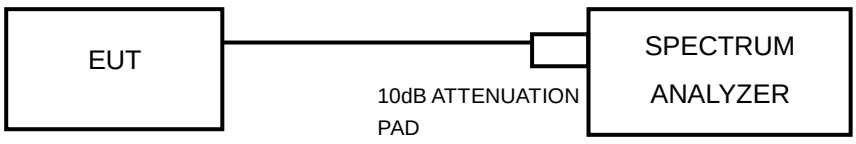
Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≦ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
	√	Mobile and Portable client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

NOTE: 1. Where B is the 26dB emission bandwidth in MHz.

3.3.2 TEST SETUP



FOR 6/26dB BANDWIDTH



3.3.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Power Sensor	Keysight	U2021XA	MY55060016	May 19,17	May 18,18
Power Sensor	Keysight	U2021XA	MY55060018	May 19,17	May 18,18
Digital Multimeter	FLUKE	15B	A1220010DG	Oct. 13, 17	Oct.12, 18
Humid & Temp Programmable Tester	Haida	HD-2257	110807201	Sep.05,17	Sep. 04,18
Oscilloscope	Agilent	DSO9254A	MY51260160	Nov. 04,17	Nov. 03,18
Signal Analyzer	Rohde & Schwarz	FSV7	102331	Nov. 04,17	Nov. 03,18
Signal Generator	Agilent	N5183A	MY50140980	Nov. 04,17	Nov. 03,18
Agile Signal Generator	Agilent	8645A	Agilent	Aug.08, 17	Aug.07, 18
Spectrum Analyzer	Keysight	N9020A	MY55400499	Apr. 10,17	Apr. 09,18
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Dec.05, 17	Dec. 04, 18
BLUETOOTH TESTER	Rohde&Schwarz	CBT32	100811	Aug.08, 17	Aug.07, 18
Attenuator	MINI	BW-S10W2+	S130129FGE2	N/A	N/A
DC Source	Keysight	E3642A	MY56146098	N/A	N/A

NOTE:

1. The test was performed in RF Oven room.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

3.3.4 TEST PROCEDURE

FOR AVERAGE POWER MEASUREMENT

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

FOR 26dB BANDWIDTH

1) Set RBW = approximately 1% of the emission bandwidth.
2) Set the VBW > RBW.
3) Detector = RMS.
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%.

FOR 6dB BANDWIDTH

1) Set RBW = 100 kHz.
2) Set the video bandwidth (VBW) ≥ 3 RBW.
3) Detector = Peak.
4) Trace mode = max hold.
5) Sweep = auto couple.
6) Allow the trace to stabilize.
7) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.3.5 DEVIATION FROM TEST STANDARD

No deviation.

3.3.6 EUT OPERATING CONDITIONS

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

3.3.7 TEST RESULTS

OUTPUT POWER:

802.11a

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	LIMIT (dBm)	PASS /FAIL
36	5180	13.50	24.00	PASS
40	5200	13.48	24.00	PASS
48	5240	13.86	24.00	PASS
52	5260	13.85	24.00	PASS
56	5280	13.91	24.00	PASS
64	5320	14.07	24.00	PASS
100	5500	11.75	24.00	PASS
116	5580	11.01	24.00	PASS
140	5700	12.09	24.00	PASS
149	5745	12.79	30.00	PASS
157	5785	13.44	30.00	PASS
165	5825	14.13	30.00	PASS

For Band 2~Band 3: Limit = 11dBm+10log(26 BW)=11+10log(20.48)=24.11dBm > 24dBm

802.11n (20MHz)

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	LIMIT (dBm)	PASS /FAIL
36	5180	13.01	24.00	PASS
40	5200	13.30	24.00	PASS
48	5240	13.64	24.00	PASS
52	5260	13.63	24.00	PASS
56	5280	13.67	24.00	PASS
64	5320	13.59	24.00	PASS
100	5500	11.42	24.00	PASS
116	5580	11.08	24.00	PASS
140	5700	12.17	24.00	PASS
149	5745	12.29	30.00	PASS
157	5785	12.94	30.00	PASS
165	5825	13.58	30.00	PASS

For Band 2~Band 3: Limit = 11dBm+10log(26 BW)=11+10log(20.41)=24.10dBm > 24dBm

802.11n (40MHz)

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	LIMIT (dBm)	PASS /FAIL
38	5190	13.47	24.00	PASS
46	5230	13.78	24.00	PASS
54	5270	13.90	24.00	PASS
62	5310	14.14	24.00	PASS
102	5510	11.89	24.00	PASS
110	5550	11.45	24.00	PASS
134	5670	9.95	24.00	PASS
151	5755	13.04	30.00	PASS
159	5795	13.76	30.00	PASS

26dB BANDWIDTH:

802.11a

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
36	5180	20.57	PASS
40	5200	20.40	PASS
48	5240	20.57	PASS
52	5260	20.51	PASS
56	5280	20.48	PASS
64	5320	20.51	PASS
100	5500	20.55	PASS
116	5580	20.56	PASS
140	5700	22.05	PASS

802.11n (20MHz)

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
36	5180	20.79	PASS
40	5200	20.73	PASS
48	5240	20.45	PASS
52	5260	20.41	PASS
56	5280	20.51	PASS
64	5320	20.82	PASS
100	5500	20.92	PASS
116	5580	20.88	PASS
140	5700	24.11	PASS

802.11n (40MHz)

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
38	5190	41.87	PASS
46	5230	41.80	PASS
54	5270	41.86	PASS
62	5310	41.93	PASS
102	5510	50.03	PASS
110	5550	42.04	PASS
134	5670	41.32	PASS

6dB BANDWIDTH For 5725-5850MHz

802.11a

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
149	**5745**	15.15	PASS
157	**5785**	15.17	PASS
165	**5825**	15.16	PASS

802.11n (20M)

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
149	**5745**	15.17	PASS
157	**5785**	15.17	PASS
165	**5825**	15.16	PASS

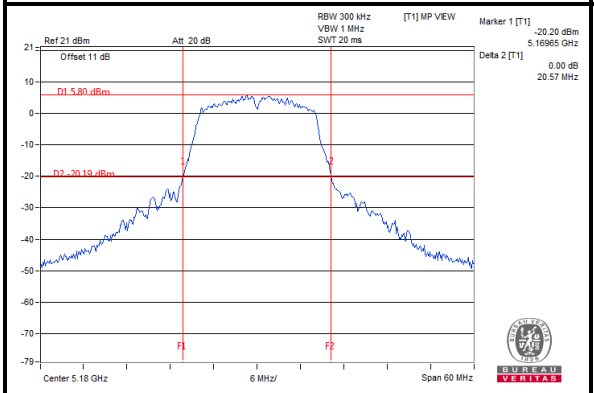
802.11n (40M)

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
151	**5755**	35.24	PASS
159	**5795**	35.24	PASS

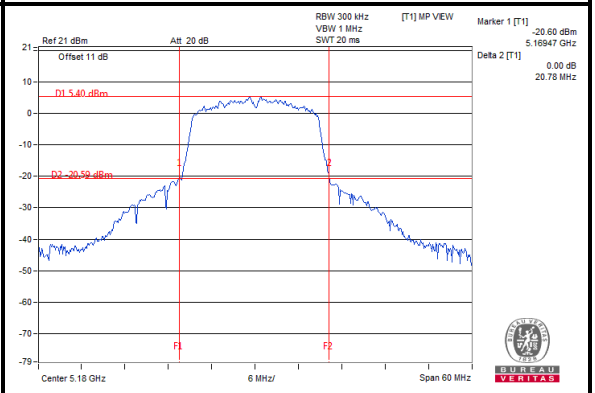
26dB bandwidth Test Plot
For 5150-5250MHz worst plot

SPECTRUM PLOT OF WORST VALUE

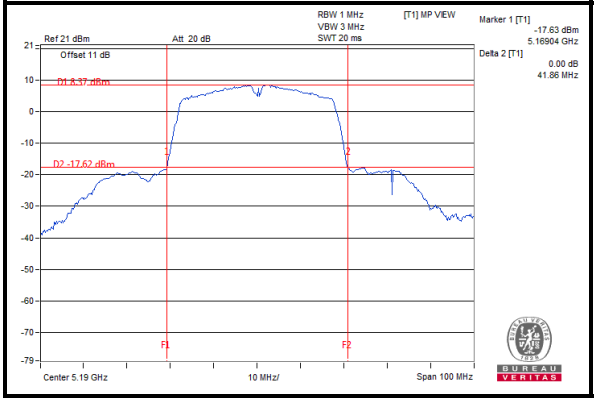
802.11a



802.11n 20MHz



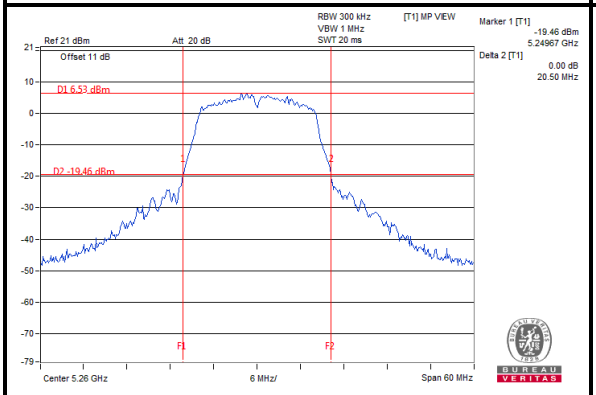
802.11n 40MHz



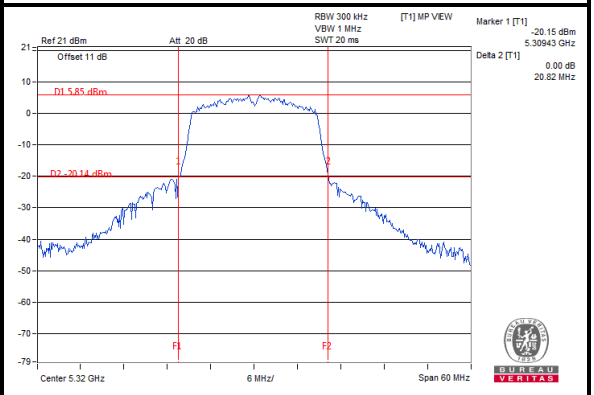
For 5250-5350MHz

SPECTRUM PLOT OF WORST VALUE

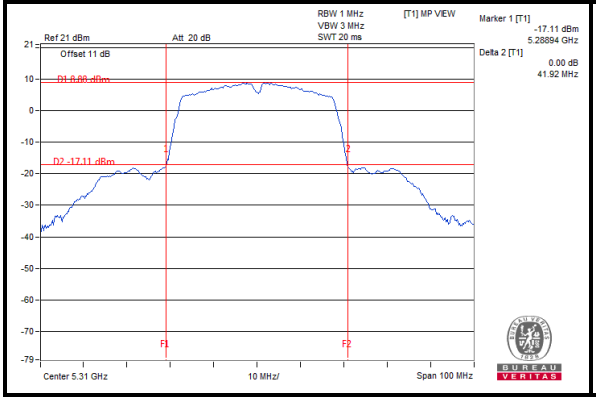
802.11a



802.11n 20MHz



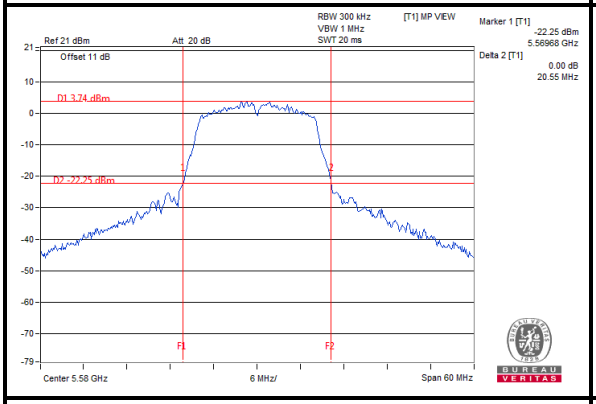
802.11n 40MHz



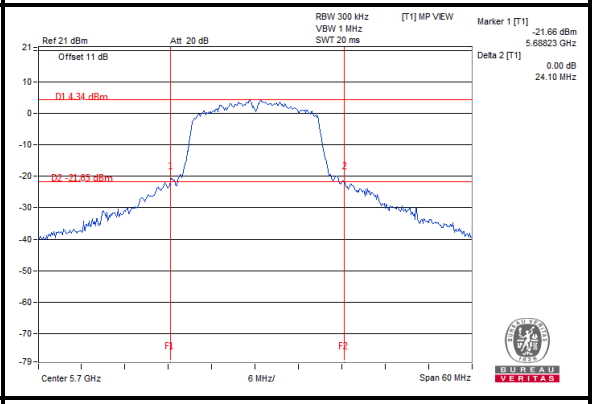
For 5470-5725MHz

SPECTRUM PLOT OF WORST VALUE

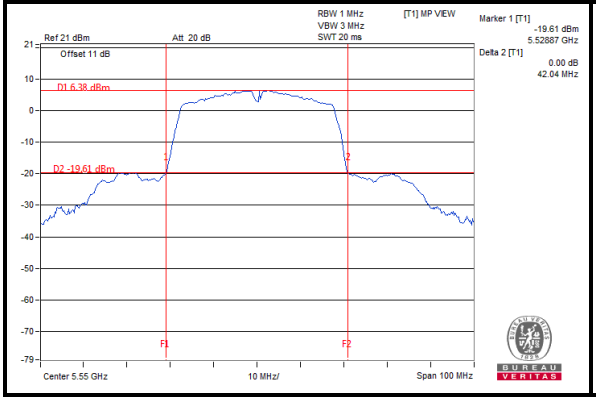
802.11a



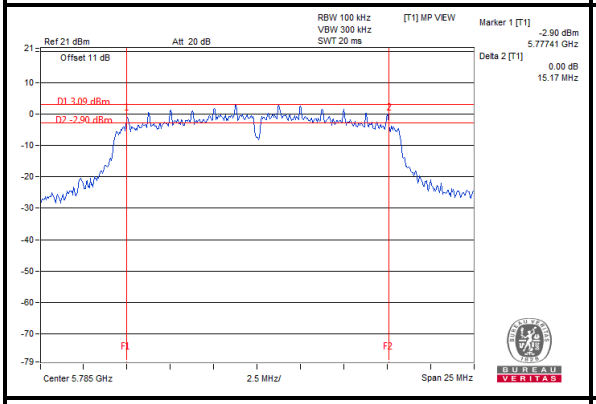
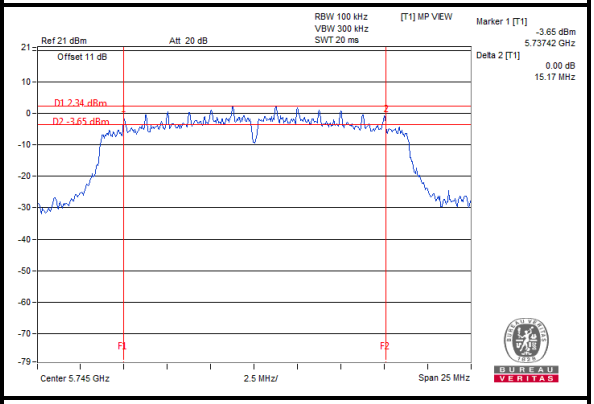
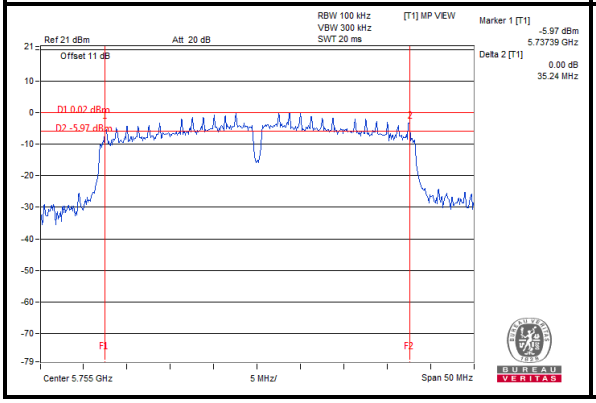
802.11n 20MHz



802.11n 40MHz



6dB BANDWIDTH For 5725-5850MHz

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11n 20MHz**
	
802.11n 40MHz	
	

99% BANDWIDTH:

802.11a

Channel Number	Freq. (MHz)	99% BANDWIDTH (MHz)	PASS /FAIL
36	5180	16.68	PASS
40	5200	16.68	PASS
48	5240	16.80	PASS
52	5260	16.80	PASS
56	5280	16.68	PASS
64	5320	16.68	PASS
100	5500	16.80	PASS
116	5580	16.92	PASS
140	5700	16.92	PASS
149	5745	17.04	PASS
157	5785	17.28	PASS
165	5825	16.92	PASS

802.11n (20MHz)

Channel Number	Freq. (MHz)	99% BANDWIDTH (MHz))	PASS /FAIL
36	5180	17.64	PASS
40	5200	17.76	PASS
48	5240	17.64	PASS
52	5260	17.64	PASS
56	5280	17.64	PASS
64	5320	17.64	PASS
100	5500	17.64	PASS
116	5580	17.76	PASS
140	5700	17.88	PASS
149	5745	17.88	PASS
157	5785	18.00	PASS
165	5825	17.88	PASS

802.11n (40MHz)

Channel Number	Freq. (MHz)	99% BANDWIDTH (MHz)	PASS /FAIL
38	5190	36.40	PASS
46	5230	36.60	PASS
54	5270	36.40	PASS
62	5310	36.40	PASS
102	5510	36.40	PASS
110	5550	36.60	PASS
134	5670	36.80	PASS
151	5755	37.20	PASS
159	5795	37.20	PASS

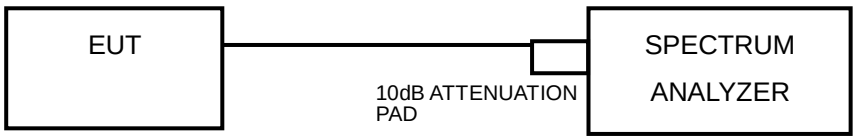
Note: The 99% bandwidth using for prove the sub-band not fall in other band.

3.4 PEAK POWER SPECTRAL DENSITY MEASUREMENT

3.4.1 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

3.4.2 TEST SETUP



3.4.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.4.4 TEST PROCEDURES

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

Using method SA-2

1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
2) Set RBW = 1MHz, Set VBW =3 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 and add 10 log (1/duty cycle)

For U-NII-3 band:

Using method SA-2

1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
2) Set RBW = 300 kHz, Set VBW =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 and add 10 log (1/duty cycle)

3.4.5 DEVIATION FROM TEST STANDARD

No deviation.

3.4.6 EUT OPERATING CONDITIONS

Same as 3.3.6

3.4.7 TEST RESULTS

For U-NII-1, U-NII-2A & U-NII-2C，For U-NII-3: 802.11a

Channel Number	Frequency (MHz)	Reading Value	duty cycle factor	RF Power Level in 1MHz BW (dBm)	MAX. Limit (dBm)	PASS / FAIL
36	5180	1.43	0.329	1.759	11.00	PASS
40	5200	1.61	0.329	1.939	11.00	PASS
48	5240	2.04	0.329	2.369	11.00	PASS
52	5260	1.79	0.329	2.119	11.00	PASS
56	5280	1.99	0.329	2.319	11.00	PASS
64	5320	1.90	0.329	2.229	11.00	PASS
100	5500	-0.28	0.329	0.049	11.00	PASS
116	5580	-0.53	0.329	-0.201	11.00	PASS
140	5700	0.44	0.329	0.769	11.00	PASS

Channel Number	Frequency (MHz)	Reading Value	duty cycle factor	RF Power Level in 300kHz BW (dBm)	RF Power Level in 500kHz BW (dBm)	MAX. Limit (dBm/500 k)	PASS / FAIL
149	5745	-7.66	0.329	-7.331	-5.113	30.00	PASS
157	5785	-7.01	0.329	-6.681	-4.463	30.00	PASS
165	5825	-6.39	0.329	-6.061	-3.843	30.00	PASS

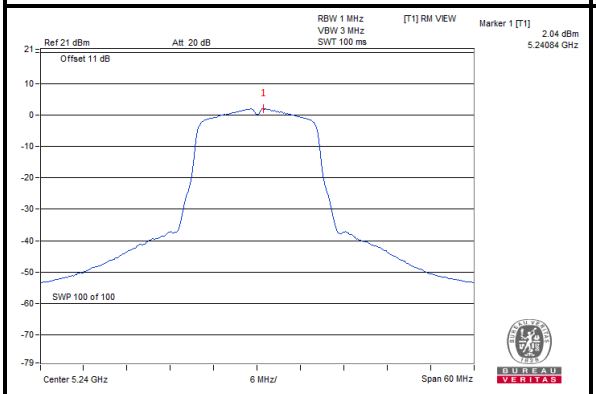
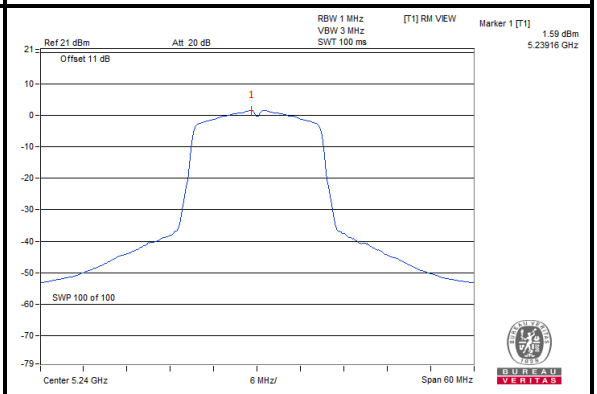
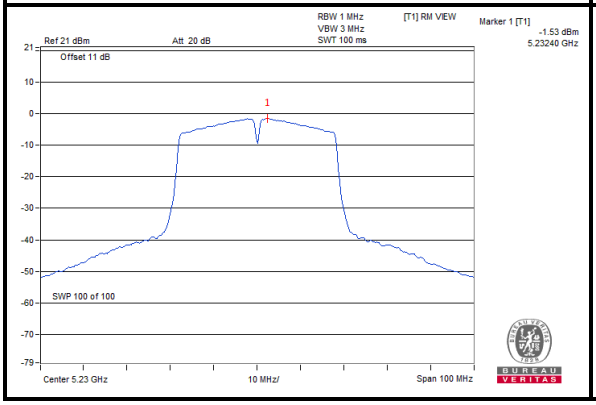
802.11n (20MHz)

Channel Number	Frequency (MHz)	Reading Value	duty cycle factor	RF Power Level in 1MHz BW (dBm)		MAX. Limit (dBm)	PASS / FAIL
36	5180	1.01	0.353	1.363		11.00	PASS
40	5200	1.27	0.353	1.623		11.00	PASS
48	5240	1.59	0.353	1.943		11.00	PASS
52	5260	1.63	0.353	1.983		11.00	PASS
56	5280	1.67	0.353	2.023		11.00	PASS
64	5320	1.67	0.353	2.023		11.00	PASS
100	5500	-0.61	0.353	-0.257		11.00	PASS
116	5580	-0.96	0.353	-0.607		11.00	PASS
140	5700	0.11	0.353	0.463		11.00	PASS
Channel Number	**Frequency (MHz)**	**Reading Value**	**duty cycle factor**	**RF Power Level in 300kHz BW (dBm)**	**RF Power Level in 500kHz BW (dBm)**	**MAX. Limit (dBm/500 k)**	**PASS / FAIL**
149	5745	-8.13	0.353	-7.777	-5.559	30.00	PASS
157	5785	-7.54	0.353	-7.187	-4.969	30.00	PASS
165	5825	-6.91	0.353	-6.557	-4.339	30.00	PASS

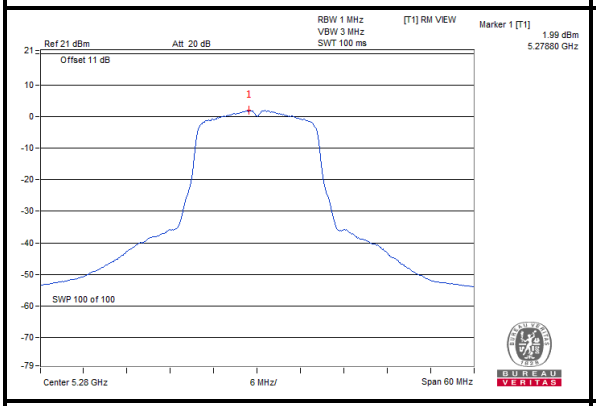
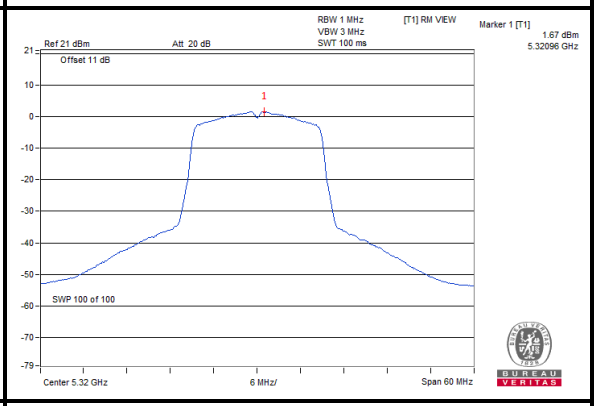
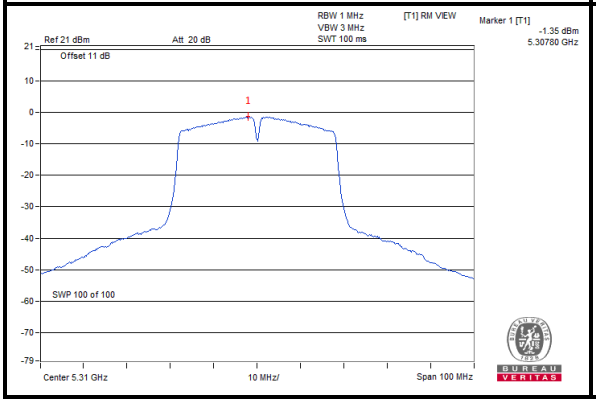
802.11n (40MHz)

Channel Number	Frequency (MHz)	Reading Value	duty cycle factor	RF Power Level in 1MHz BW (dBm)		MAX. Limit (dBm)	PASS / FAIL
38	5190	-1.91	0.670	-1.24		11.00	PASS
46	5230	-1.53	0.670	-0.86		11.00	PASS
54	5270	-1.44	0.670	-0.77		11.00	PASS
62	5310	-1.35	0.670	-0.68		11.00	PASS
102	5510	-3.79	0.670	-3.12		11.00	PASS
110	5550	-3.92	0.670	-3.25		11.00	PASS
134	5670	-6.41	0.670	-5.74		11.00	PASS
Channel Number	**Frequency (MHz)**	**Reading Value**	**duty cycle factor**	**RF Power Level in 300kHz BW (dBm)**	**RF Power Level in 500kHz BW (dBm)**	**MAX. Limit (dBm/500 k)**	**PASS / FAIL**
151	5755	-11.34	0.670	-10.67	-8.452	30.00	PASS
159	5795	-10.86	0.670	-10.19	-7.972	30.00	PASS

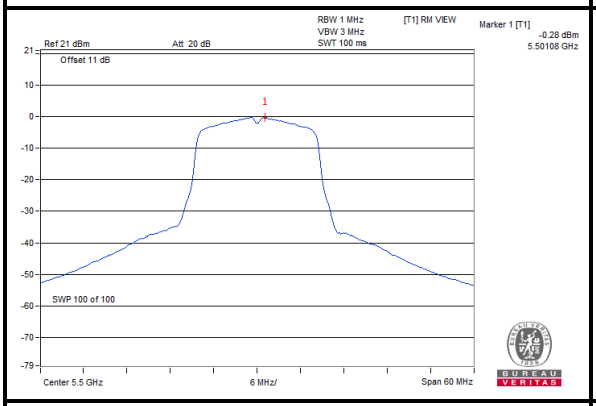
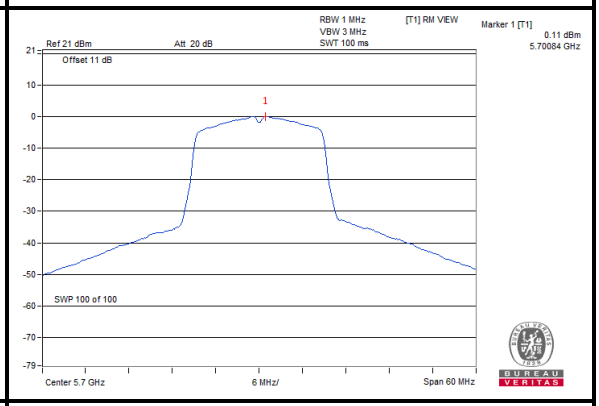
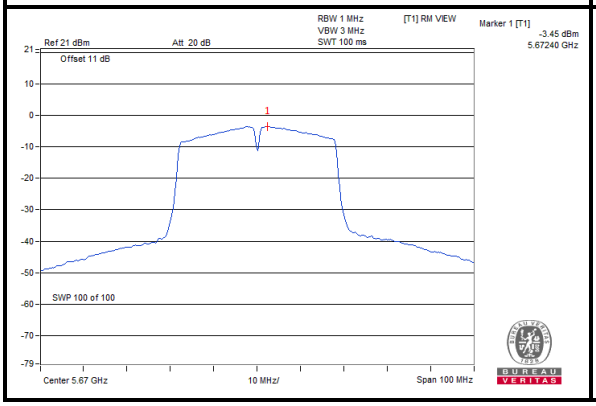
PSD Test Plot
BAND 1
5150-5250MHz

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11n 20MHz**
	
802.11n 40MHz	
	

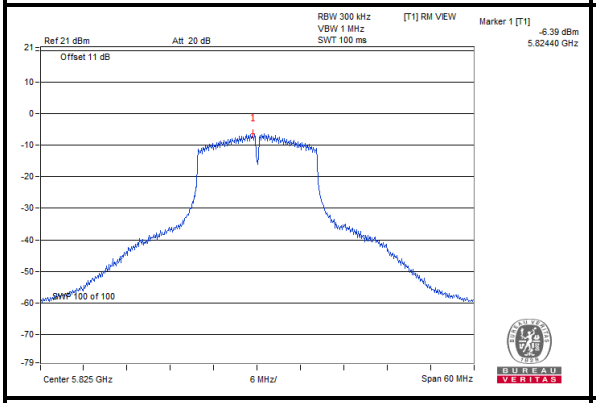
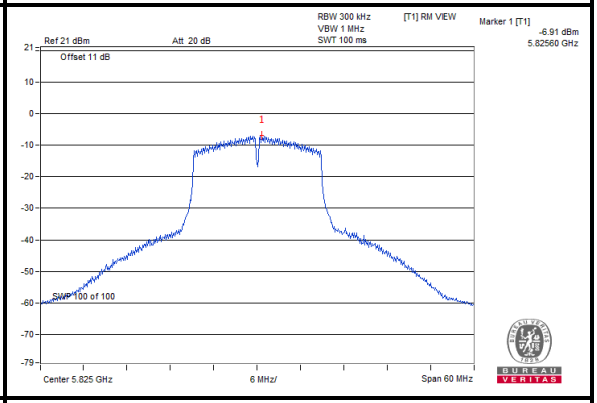
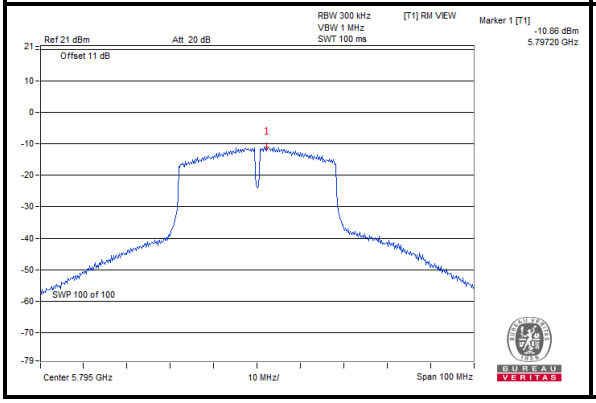
BAND 2
5250-5350MHz

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11n 20MHz**
	
802.11n 40MHz	
	

BAND 3
5470-5725MHz

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11n 20MHz**
	
802.11n 40MHz	
	

BAND4
5725-5850MHz

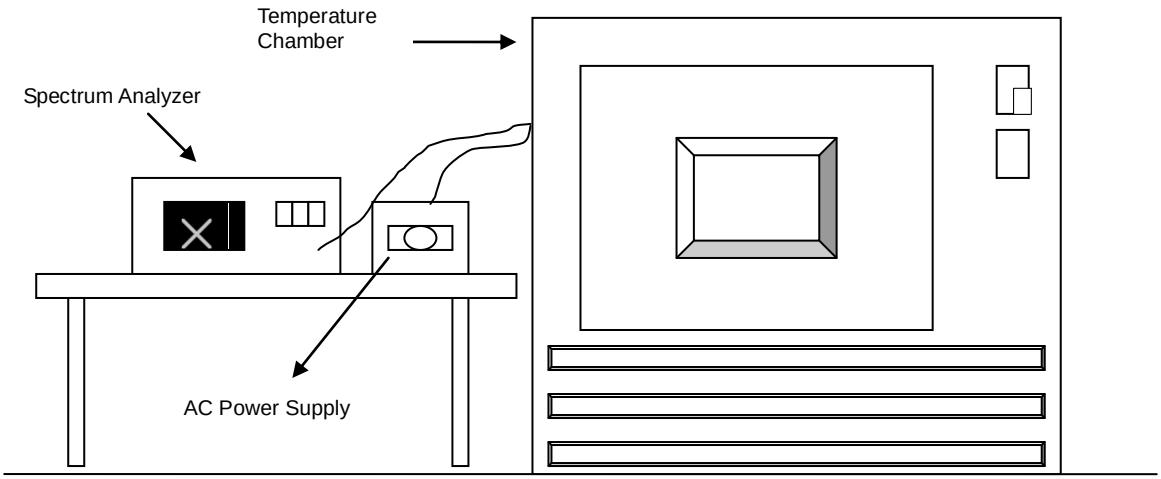
SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11n 20MHz**
	
802.11n 40MHz	
	

3.5 FREQUENCY STABILITY

3.5.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

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

3.5.2 TEST SETUP



3.5.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.5.4 TEST PROCEDURE

a. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.

b. Turn the EUT on and couple its output to a spectrum analyzer.

c. Turn the EUT off and set the chamber to the highest temperature specified.

d. 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.

e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.

f. 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.

3.5.5 DEVIATION FROM TEST STANDARD

No deviation.

3.5.6 EUT OPERATING CONDITION

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

3.5.7 TEST RESULTS

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5180MHz									
TEMP. (℃)	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
60	120	5180.0015	0.00003	5180.0042	0.00008	5180.0021	0.00004	5180.0042	0.00008
50	120	5180.0232	0.00045	5180.0266	0.00051	5180.0233	0.00045	5180.0275	0.00053
40	120	5179.9736	-0.00051	5179.9735	-0.00051	5179.9744	-0.00049	5179.9764	-0.00046
30	120	5179.9881	-0.00023	5179.9883	-0.00023	5179.9877	-0.00024	5179.9866	-0.00026
20	120	5179.9902	-0.00019	5179.9896	-0.00020	5179.9897	-0.00020	5179.9924	-0.00015
10	120	5180.0109	0.00021	5180.0082	0.00016	5180.0098	0.00019	5180.0087	0.00017
0	120	5179.9918	-0.00016	5179.9921	-0.00015	5179.9887	-0.00022	5179.9921	-0.00015
-10	120	5179.9935	-0.00013	5179.9931	-0.00013	5179.9928	-0.00014	5179.9957	-0.00008

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5180MHz									
TEMP. (℃)	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	5179.9908	-0.00018	5179.9902	-0.00019	5179.9889	-0.00021	5179.9916	-0.00016
	120	5179.9902	-0.00019	5179.9896	-0.00020	5179.9897	-0.00020	5179.9924	-0.00015
	102	5179.9908	-0.00018	5179.9895	-0.00020	5179.989	-0.00021	5179.992	-0.00015

4. PHOTOGRAPHS OF THE TEST CONFIGURATION

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

5. 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.

---END---