Partial FCC Test Report

Report No.:	RFBENL-WTW-P20110404-1
FCC ID:	RYK-WPEQ261ACNIBT
Test Model:	WPEQ-261ACNI(BT)
Received Date:	Nov. 12, 2020
Test Date:	Nov. 27, 2020
Issued Date:	Dec. 07, 2020
Applicant:	SparkLAN Communications, Inc.
Address:	8F., No.257, Sec. 2, Tiding Blvd., Neihu District, Taipei City 11493, Taiwan (R.O.C.)
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / Designation Number:	788550 / TW0003

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Release Control Record

Issue No.	Description	Date Issued
RFBENL-WTW-P20110404-1	Original release	Dec. 07, 2020

1 Certificate of Conformity

Product:	802.11ac/a/b/g/n 2T2R Industrial-graded Wi-Fi / Bluetooth 4.2 Combo Half mini PCIe Module
Brand:	SparkLAN
Test Model:	WPEQ-261ACNI(BT)
Sample Status:	R&D sample
Applicant:	SparkLAN Communications, Inc.
Test Date:	Nov. 26 ~ Nov. 27, 2020
Standards:	47 CFR FCC Part 15, Subpart E (Section 15.407) ANSI C63.10:2013

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

Prepared by : Pettie Chen , **Date:** Dec. 07, 2020

Pettie Chen / Senior Specialist

Approved by : Bruce Chen , **Date:** Dec. 07, 2020

Bruce Chen / Senior Project Engineer

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
FCC Clause	Test Item	Result	Remarks
15.407(b)(6)	AC Power Conducted Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -20.48dB at 4.34152MHz.
15.407(b) (1/2/3/4(i/ii)/6)	Radiated Emissions & Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -1.1dB at 299.91MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	N/A	Refer to note 1
---	Occupied Bandwidth Measurement	N/A	Refer to note 1
15.407(a)(1/2/3)	Peak Power Spectral Density	N/A	Refer to note 1
15.407(e)	6dB bandwidth	N/A	Refer to note 1
15.407(g)	Frequency Stability	N/A	Refer to note 1
15.203	Antenna Requirement	Pass	For Antenna 1~5: Antenna connectors are IPEX MHF I at modular side & RP-SMA (M) at antenna side not standard connector. For Antenna 6: Antenna connector is I-PEX not a standard connector.

Note:

1. This report is a partial report. Therefore, only Radiated Emissions and Band Edge Measurement and AC Power Conducted Emission was verified and recorded in this report. Other testing data please refer to the original BV CPS report no.: RF180828C27-1.
2. For U-NII-3 band compliance with rule part 15.407(b)(4)(i), the OOBE test plots were recorded in Annex A.
3. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

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

Measurement	Frequency	Expanded Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.94 dB
Radiated Emissions up to 1 GHz	30MHz ~ 200MHz	3.86 dB
	200MHz ~1000MHz	3.87 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	2.29 dB
	18GHz ~ 40GHz	2.29 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	802.11ac/a/b/g/n 2T2R Industrial-graded Wi-Fi / Bluetooth 4.2 Combo Half mini PCIe Module
Brand	SparkLAN
Test Model	WPEQ-261ACNI(BT)
Sample Status	R&D sample
Power Supply Rating	3.3Vdc (host)
Modulation Type	256QAM, 64QAM, 16QAM, QPSK, BPSK
Modulation Technology	OFDM
Transfer Rate	802.11a: 54/48/36/24/18/12/9/6Mbps 802.11n: up to 300Mbps 802.11ac: up to 867Mbps
Operating Frequency	5180~5240MHz, 5260~5320MHz, 5500~5700MHz, 5745~5825MHz
Number of Channel	5180~5240MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 4 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1 5260~5320MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 4 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1 5500~5700MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 11 802.11n (HT40), 802.11ac (VHT40): 5 802.11ac (VHT80): 2 5745~5825MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 5 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1
Output Power	5180~5240MHz: 50.029mW 5260~5320MHz: 48.173mW 5500~5700MHz: 49.779mW 5745~5825MHz: 48.036mW
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	Antenna
Cable Supplied	NA

Note:

1. This report is prepared for FCC class II permissive change. The difference compared with original report is adding an antenna (Model: AD-301PF). Therefore, only Radiated Emissions and Band Edge Measurement and AC Power Conducted Emission was verified and recorded in this report. Other testing data please refer to the original BV CPS report no.: RF180828C27-1.
2. The EUT incorporates a MIMO function. Physically, the EUT provides 2 completed transmitters and 2 receivers. Chain 0 is the fixed chain at 802.11a.

Modulation Mode	TX Function
802.11a	1TX
802.11n (HT20)	2TX
802.11n (HT40)	2TX
802.11ac (VHT20)	2TX
802.11ac (VHT40)	2TX
802.11ac (VHT80)	2TX

* The modulation and bandwidth are similar for HT20/HT40 on 802.11n mode and VHT20/VHT40 on 802.11ac mode, therefore investigated worst case to representative mode in test report. (Final test mode refer section 3.2.1)

3. The EUT uses following antenna. (Antenna 6 is the new antenna)

No.	Transmitter Circuit	Brand	Model	Antenna Type	2.4G gain with cable loss (dBi)	5G gain with cable loss (dBi)	Connector Type
1	Chain(0) Chain(1)	Sparklan	AD-301N	Dipole	4.4	B1&2: 5.2 B3&4: 5.8	IPEX MHF I at modular side & RP-SMA (M) at antenna side
2	Chain(0) Chain(1)	Sparklan	AD-103AG	Dipole	2.02	B1&2: 1.93 B3&4: 2.03	
3	Chain(0) Chain(1)	Sparklan	AD-305N	Dipole	5.0	5.0	
4	Chain(0) Chain(1)	Sparklan	AD-303N	Dipole	3.0	3.0	
5	Chain(0) Chain(1)	Sparklan	AD-302N	Dipole	3.0	2.0	
6	Chain(0) Chain(1)	Sparklan	AD-301PF	PIFA	2.65	4.86	I-PEX

4. 2.4GHz & 5GHz technologies cannot transmit at same time.
   WLAN & BT technologies cannot transmit at same time

3.2 Description of Test Modes

5180~5240MHz:

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

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

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

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
42	5210 MHz

5260~5320MHz:

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

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

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

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
58	5290 MHz

5500~5700MHz:

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

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

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

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

2 channels are provided for 802.11ac (VHT80):

Channel	Frequency	Channel	Frequency
106	5530 MHz	122	5610 MHz

5745~5825MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
155	5775 MHz

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable to			Description
	RE≥1G	RE<1G	PLC	
-	√	√	√	EUT with antenna 6

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

PLC: Power Line Conducted Emission

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

Radiated Emission Test (Above 1GHz):

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

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

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)	Remark
-	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0	-
	802.11n (HT20)		36 to 48	36, 40, 48	OFDM	6.5	-
	802.11n (HT40)		38 to 46	38, 46	OFDM	13.5	-
	802.11ac (VHT80)		42	42	OFDM	29.3	-
	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0	-
	802.11n (HT20)		52 to 64	52, 60, 64	OFDM	6.5	-
	802.11n (HT40)		54 to 62	54, 62	OFDM	13.5	-
	802.11ac (VHT80)		58	58	OFDM	29.3	-
	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	6.0	-
	802.11n (HT20)		100 to 140	100, 116, 140	OFDM	6.5	-
	802.11n (HT40)		102 to 134	102, 110, 134	OFDM	13.5	-
	802.11ac (VHT80)		106 to 122	106, 122	OFDM	29.3	-
	802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6.0	-
	802.11n (HT20)		149 to 165	149, 157, 165	OFDM	6.5	-
	802.11n (HT40)		151 to 159	151, 159	OFDM	13.5	-
	802.11ac (VHT80)		155	155	OFDM	29.3	-

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	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)	Remark
-	802.11n (HT40)	5180-5240	36 to 48	38	OFDM	13.5	-
		5260-5320	52 to 64		OFDM	13.5	-
		5500-5700	100 to 140		OFDM	13.5	-
		5745-5825	149 to 165		OFDM	13.5	-

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	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)	Remark
-	802.11n (HT40)	5180-5240	36 to 48	38	OFDM	13.5	-
		5260-5320	52 to 64		OFDM	13.5	-
		5500-5700	100 to 140		OFDM	13.5	-
		5745-5825	149 to 165		OFDM	13.5	-

Test Condition:

Applicable to	Environmental Conditions	Input Power (system)	Tested by
RE≥1G	23deg. C, 70%RH	120Vac, 60Hz	Willy Cheng
RE<1G	23deg. C, 70%RH	120Vac, 60Hz	Willy Cheng
PLC	22deg. C, 69%RH	120Vac, 60Hz	Adair Peng

3.3 Description of Support Units

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

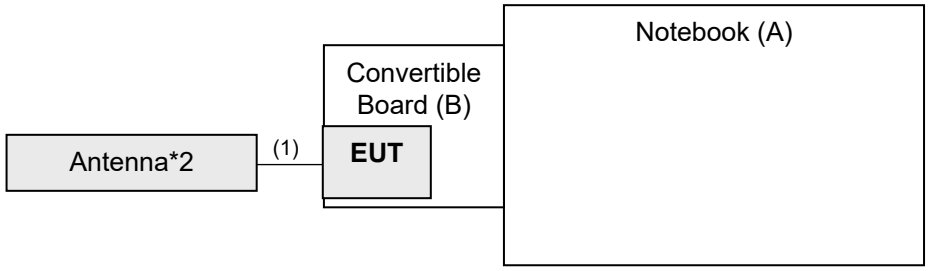
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Notebook	DELL	E5420	FHNX4S1	FCC DoC Approved	-
B.	Convertible Board	NA	NA	NA	NA	-

Note:

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

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	Antenna cable	2	0.15	N	0	Provided by manufacturer

3.3.1 Configuration of System under Test



3.4 General Description of Applied Standards and References

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

Test Standard:

FCC Part 15, Subpart E (15.407)

ANSI C63.10-2013

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

References Test Guidance:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01

All test items have been performed as a reference to the above KDB test guidance.

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

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

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

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

Limits of unwanted emission out of the restricted bands

<table>
<tr><td colspan="3">Applicable To</td><td colspan="2">Limit</td></tr>
<tr><td colspan="3" rowspan="2">789033 D02 General UNII Test Procedure New Rules v02r01</td><td colspan="2">Field Strength at 3m</td></tr>
<tr><td>PK: 74 (dBµV/m)</td><td>AV: 54 (dBµV/m)</td></tr>
<tr><td>Frequency Band</td><td colspan="2">Applicable To</td><td>EIRP Limit</td><td>Equivalent Field Strength at 3m</td></tr>
<tr><td>5150~5250 MHz</td><td colspan="2">15.407(b)(1)</td><td rowspan="3">PK: -27 (dBm/MHz)</td><td rowspan="3">PK: 68.2(dBµV/m)</td></tr>
<tr><td>5250~5350 MHz</td><td colspan="2">15.407(b)(2)</td></tr>
<tr><td>5470~5725 MHz</td><td colspan="2">15.407(b)(3)</td></tr>
<tr><td rowspan="2">5725~5850 MHz</td><td>☒</td><td>15.407(b)(4)(i)</td><td>PK: -27 (dBm/MHz) *1
PK: 10 (dBm/MHz) *2
PK: 15.6 (dBm/MHz) *3
PK: 27 (dBm/MHz) *4</td><td>PK: 68.2(dBµV/m) *1
PK: 105.2 (dBµV/m) *2
PK: 110.8(dBµV/m) *3
PK: 122.2 (dBµV/m) *4</td></tr>
<tr><td>☐</td><td>15.407(b)(4)(ii)</td><td colspan="2">Emission limits in section 15.247(d)</td></tr>
<tr><td colspan="5">*1 beyond 75 MHz or more above of the band edge.
*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.
*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.
*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.</td></tr>
</table>

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

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

4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESR3	102579	Jul. 07, 2020	Jul. 06, 2021
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Jun. 09, 2020	Jun. 08, 2021
BILOG Antenna SCHWARZBECK	VULB9168	9168-171	Nov. 04, 2020	Nov. 03, 2021
HORN Antenna SCHWARZBECK	9120D	209	Nov. 22, 2020	Nov. 21, 2021
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Nov. 22, 2020	Nov. 21, 2021
Loop Antenna TESEQ	HLA 6121	45745	Jul. 06, 2020	Jul. 05, 2021
Preamplifier Agilent (Below 1GHz)	8447D	2944A10738	Aug. 16, 2020	Aug. 15, 2021
Preamplifier Agilent (Above 1GHz)	8449B	3008A02465	Mar. 23, 2020	Mar. 22, 2021
RF Coaxial Cable WOKEN With 5dB PAD	8D-FB	Cable-CH3-01	Aug. 16, 2020	Aug. 15, 2021
RF signal cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH3-03 (223653/4)	Aug. 16, 2020	Aug. 15, 2021
RF signal cable HUBER+SUHNER& EMCI	SUCOFLEX 104&EMC104-SM-S M-8000	Cable-CH3-03 (309224+170907)	Aug. 16, 2020	Aug. 15, 2021
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller BV ADT	AT100	AT93021702	NA	NA
Turn Table BV ADT	TT100	TT93021702	NA	NA
Turn Table Controller BV ADT	SC100	SC93021702	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Pre-amplifier (18GHz-40GHz) EMC	EMC184045B	980175	Sep. 04, 2020	Sep. 03, 2021

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Chamber 3.

4.1.3 Test Procedures

For Radiated emission below 30MHz

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

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

c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.

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

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

Note:

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

For Radiated emission above 30MHz

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

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

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

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

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

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

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.

2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.

3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.

   The duty cycle value refers to the original report.

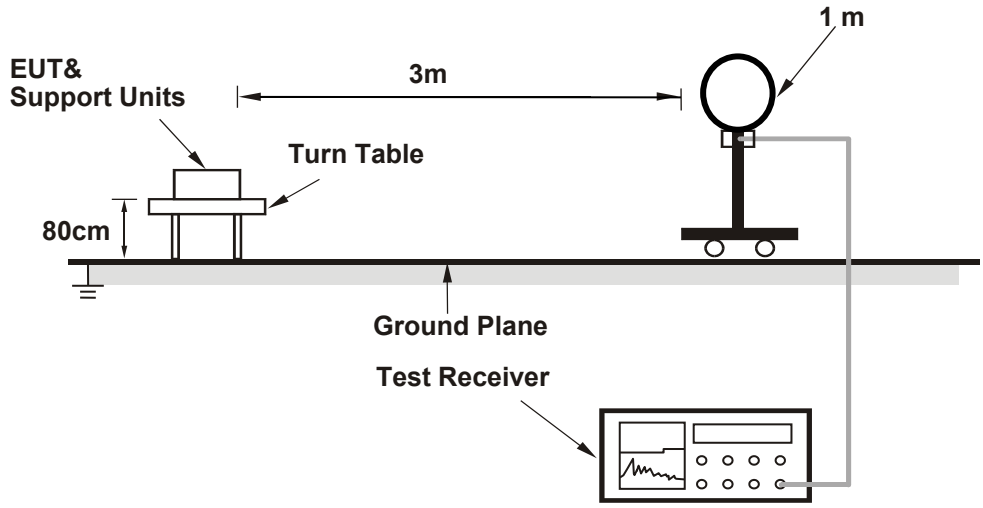
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

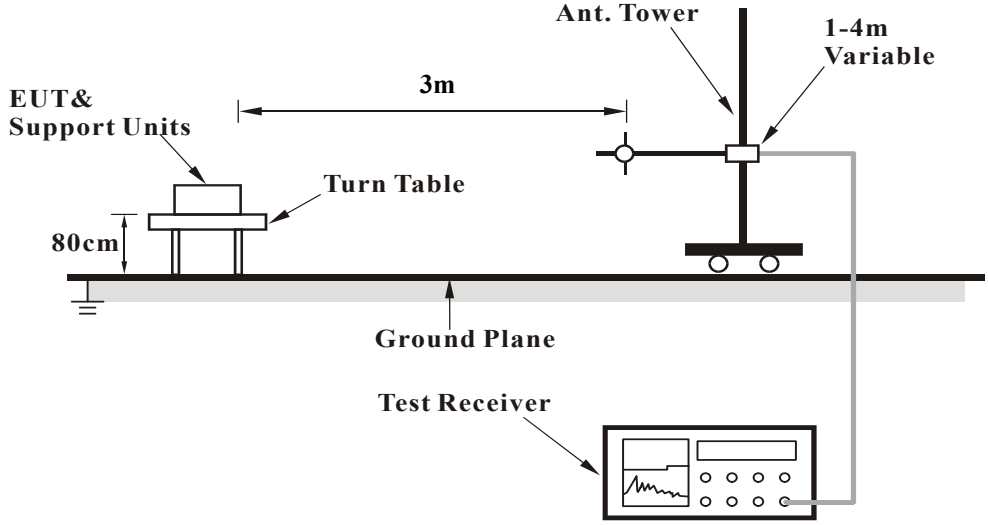
No deviation.

4.1.5 Test Setup

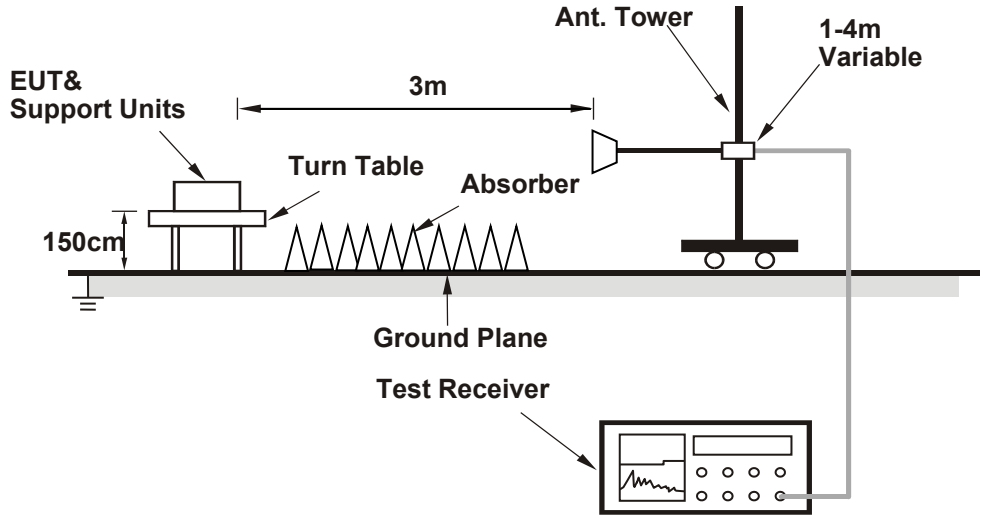
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



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

4.1.6 EUT Operating Conditions

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

4.1.7 Test Results

Above 1GHz data:

802.11a

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) 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	58.8 PK	74.0	-15.2	1.71 H	161	52.2	6.6
2	5150.00	45.9 AV	54.0	-8.1	1.71 H	161	39.3	6.6
3	*5180.00	100.2 PK			1.71 H	161	58.0	42.2
4	*5180.00	89.8 AV			1.71 H	161	47.6	42.2
5	#10360.00	58.5 PK	68.2	-9.7	1.34 H	217	41.8	16.7
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.2 PK	74.0	-14.8	1.80 V	279	52.6	6.6
2	5150.00	45.6 AV	54.0	-8.4	1.80 V	279	39.0	6.6
3	*5180.00	106.6 PK			1.80 V	279	64.4	42.2
4	*5180.00	96.6 AV			1.80 V	279	54.4	42.2
5	#10360.00	58.7 PK	68.2	-9.5	1.16 V	108	42.0	16.7

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	100.1 PK			1.88 H	157	58.0	42.1
2	*5200.00	89.8 AV			1.88 H	157	47.7	42.1
3	#10400.00	58.8 PK	68.2	-9.4	1.62 H	234	41.9	16.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	107.2 PK			1.82 V	278	65.1	42.1
2	*5200.00	97.1 AV			1.82 V	278	55.0	42.1
3	#10400.00	59.1 PK	68.2	-9.1	1.26 V	102	42.2	16.9

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	101.0 PK			1.83 H	157	59.0	42.0
2	*5240.00	91.0 AV			1.83 H	157	49.0	42.0
3	5350.00	59.0 PK	74.0	-15.0	1.83 H	157	52.6	6.4
4	5350.00	44.6 AV	54.0	-9.4	1.83 H	157	38.2	6.4
5	#10480.00	59.3 PK	68.2	-8.9	1.64 H	213	41.6	17.7
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	106.6 PK			1.83 V	278	64.6	42.0
2	*5240.00	96.5 AV			1.83 V	278	54.5	42.0
3	5350.00	57.7 PK	74.0	-16.3	1.83 V	278	51.3	6.4
4	5350.00	44.6 AV	54.0	-9.4	1.83 V	278	38.2	6.4
5	#10480.00	59.3 PK	68.2	-8.9	1.36 V	111	41.6	17.7

Remarks:

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

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	58.2 PK	74.0	-15.8	1.38 H	192	51.6	6.6
2	5150.00	44.9 AV	54.0	-9.1	1.38 H	192	38.3	6.6
3	*5260.00	100.8 PK			1.38 H	192	58.9	41.9
4	*5260.00	90.6 AV			1.38 H	192	48.7	41.9
5	#10520.00	59.5 PK	68.2	-8.7	2.13 H	152	41.9	17.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.9 PK	74.0	-16.1	1.68 V	276	51.3	6.6
2	5150.00	44.9 AV	54.0	-9.1	1.68 V	276	38.3	6.6
3	*5260.00	108.0 PK			1.68 V	276	66.1	41.9
4	*5260.00	97.8 AV			1.68 V	276	55.9	41.9
5	#10520.00	59.6 PK	68.2	-8.6	1.49 V	112	42.0	17.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	100.5 PK			1.39 H	159	58.6	41.9
2	*5300.00	90.8 AV			1.39 H	159	48.9	41.9
3	10600.00	59.3 PK	74.0	-14.7	2.21 H	149	42.1	17.2
4	10600.00	46.2 AV	54.0	-7.8	2.21 H	149	29.0	17.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	107.4 PK			1.65 V	276	65.5	41.9
2	*5300.00	97.1 AV			1.65 V	276	55.2	41.9
3	10600.00	59.2 PK	74.0	-14.8	1.44 V	98	42.0	17.2
4	10600.00	46.2 AV	54.0	-7.8	1.44 V	98	29.0	17.2

Remarks:

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

CHANNEL	TX Channel 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	99.3 PK			1.51 H	157	57.3	42.0
2	*5320.00	89.0 AV			1.51 H	157	47.0	42.0
3	5350.00	57.6 PK	74.0	-16.4	1.51 H	157	51.2	6.4
4	5350.00	44.6 AV	54.0	-9.4	1.51 H	157	38.2	6.4
5	10640.00	59.4 PK	74.0	-14.6	2.11 H	152	42.0	17.4
6	10640.00	46.3 AV	54.0	-7.7	2.11 H	152	28.9	17.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	105.9 PK			1.73 V	276	63.9	42.0
2	*5320.00	95.4 AV			1.73 V	276	53.4	42.0
3	5350.00	58.1 PK	74.0	-15.9	1.73 V	276	51.7	6.4
4	5350.00	45.1 AV	54.0	-8.9	1.73 V	276	38.7	6.4
5	10640.00	59.5 PK	74.0	-14.5	1.52 V	109	42.1	17.4
6	10640.00	46.5 AV	54.0	-7.5	1.52 V	109	29.1	17.4

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.1 PK	74.0	-16.9	1.48 H	149	50.8	6.3
2	5460.00	44.4 AV	54.0	-9.6	1.48 H	149	38.1	6.3
3	#5470.00	57.3 PK	68.2	-10.9	1.48 H	149	51.0	6.3
4	*5500.00	99.5 PK			1.48 H	149	57.4	42.1
5	*5500.00	89.1 AV			1.48 H	149	47.0	42.1
6	11000.00	60.4 PK	74.0	-13.6	2.03 H	154	41.8	18.6
7	11000.00	47.5 AV	54.0	-6.5	2.03 H	154	28.9	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.3 PK	74.0	-16.7	1.73 V	272	51.0	6.3
2	5460.00	46.1 AV	54.0	-7.9	1.73 V	272	39.8	6.3
3	#5470.00	57.7 PK	68.2	-10.5	1.73 V	272	51.4	6.3
4	*5500.00	105.6 PK			1.73 V	272	63.5	42.1
5	*5500.00	95.8 AV			1.73 V	272	53.7	42.1
6	11000.00	60.8 PK	74.0	-13.2	1.62 V	113	42.2	18.6
7	11000.00	47.7 AV	54.0	-6.3	1.62 V	113	29.1	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	100.2 PK			1.57 H	159	58.1	42.1
2	*5580.00	90.0 AV			1.57 H	159	47.9	42.1
3	11160.00	60.3 PK	74.0	-13.7	2.02 H	139	41.8	18.5
4	11160.00	47.4 AV	54.0	-6.6	2.02 H	139	28.9	18.5
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	106.0 PK			1.67 V	282	63.9	42.1
2	*5580.00	95.9 AV			1.67 V	282	53.8	42.1
3	11160.00	60.5 PK	74.0	-13.5	1.65 V	105	42.0	18.5
4	11160.00	47.6 AV	54.0	-6.4	1.65 V	105	29.1	18.5

Remarks:

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

CHANNEL	TX Channel 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	98.8 PK			1.62 H	153	56.5	42.3
2	*5700.00	88.7 AV			1.62 H	153	46.4	42.3
3	#5725.00	57.7 PK	68.2	-10.5	1.62 H	153	51.2	6.5
4	11400.00	59.8 PK	74.0	-14.2	2.05 H	146	41.9	17.9
5	11400.00	46.9 AV	54.0	-7.1	2.05 H	146	29.0	17.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.2 PK			1.40 V	278	63.9	42.3
2	*5700.00	96.2 AV			1.40 V	278	53.9	42.3
3	#5725.00	57.7 PK	68.2	-10.5	1.40 V	278	51.2	6.5
4	11400.00	60.0 PK	74.0	-14.0	1.66 V	104	42.1	17.9
5	11400.00	46.9 AV	54.0	-7.1	1.66 V	104	29.0	17.9

Remarks:

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

CHANNEL	TX Channel 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	#5612.82	57.2 PK	68.2	-11.0	1.50 H	152	51.0	6.2
2	*5745.00	100.1 PK			1.50 H	152	57.9	42.2
3	*5745.00	89.4 AV			1.50 H	152	47.2	42.2
4	#5992.31	59.5 PK	68.2	-8.7	1.50 H	152	52.3	7.2
5	11490.00	59.7 PK	74.0	-14.3	2.03 H	303	41.4	18.3
6	11490.00	46.1 AV	54.0	-7.9	2.03 H	303	27.8	18.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5632.05	57.7 PK	68.2	-10.5	1.39 V	229	51.4	6.3
2	*5745.00	106.4 PK			1.39 V	229	64.2	42.2
3	*5745.00	95.8 AV			1.39 V	229	53.6	42.2
4	#5957.05	58.7 PK	68.2	-9.5	1.39 V	229	51.4	7.3
5	11490.00	59.9 PK	74.0	-14.1	1.66 V	106	41.6	18.3
6	11490.00	46.5 AV	54.0	-7.5	1.66 V	106	28.2	18.3

Remarks:

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

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) 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	#5632.05	57.4 PK	68.2	-10.8	1.51 H	151	51.1	6.3
2	*5785.00	98.5 PK			1.51 H	151	56.3	42.2
3	*5785.00	88.4 AV			1.51 H	151	46.2	42.2
4	#5949.36	59.2 PK	68.2	-9.0	1.51 H	151	51.9	7.3
5	11570.00	59.5 PK	74.0	-14.5	1.97 H	298	41.5	18.0
6	11570.00	46.0 AV	54.0	-8.0	1.97 H	298	28.0	18.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5609.62	57.6 PK	68.2	-10.6	1.35 V	229	51.4	6.2
2	*5785.00	105.4 PK			1.35 V	229	63.2	42.2
3	*5785.00	95.3 AV			1.35 V	229	53.1	42.2
4	#5944.87	58.4 PK	68.2	-9.8	1.35 V	229	51.1	7.3
5	11570.00	59.9 PK	74.0	-14.1	1.63 V	112	41.9	18.0
6	11570.00	46.5 AV	54.0	-7.5	1.63 V	112	28.5	18.0

Remarks:

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

CHANNEL	TX Channel 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	#5624.36	57.6 PK	68.2	-10.6	1.18 H	152	51.4	6.2
2	*5825.00	97.8 PK			1.18 H	152	55.5	42.3
3	*5825.00	87.8 AV			1.18 H	152	45.5	42.3
4	#5966.03	59.8 PK	68.2	-8.4	1.18 H	152	52.5	7.3
5	11650.00	59.8 PK	74.0	-14.2	2.11 H	304	41.8	18.0
6	11650.00	46.5 AV	54.0	-7.5	2.11 H	304	28.5	18.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5626.92	57.9 PK	68.2	-10.3	1.26 V	276	51.7	6.2
2	*5825.00	106.8 PK			1.26 V	276	64.5	42.3
3	*5825.00	96.7 AV			1.26 V	276	54.4	42.3
4	#5978.85	59.0 PK	68.2	-9.2	1.26 V	276	51.8	7.2
5	11650.00	60.1 PK	74.0	-13.9	1.61 V	113	42.1	18.0
6	11650.00	46.9 AV	54.0	-7.1	1.61 V	113	28.9	18.0

Remarks:

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

802.11n (HT20)

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	58.8 PK	74.0	-15.2	1.66 H	190	52.2	6.6
2	5150.00	45.8 AV	54.0	-8.2	1.66 H	190	39.2	6.6
3	*5180.00	106.3 PK			1.66 H	190	64.1	42.2
4	*5180.00	95.9 AV			1.66 H	190	53.7	42.2
5	#10360.00	58.4 PK	68.2	-9.8	2.22 H	137	41.7	16.7
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.8 PK	74.0	-15.2	1.48 V	233	52.2	6.6
2	5150.00	45.9 AV	54.0	-8.1	1.48 V	233	39.3	6.6
3	*5180.00	109.3 PK			1.48 V	233	67.1	42.2
4	*5180.00	99.1 AV			1.48 V	233	56.9	42.2
5	#10360.00	58.3 PK	68.2	-9.9	1.43 V	112	41.6	16.7

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	107.3 PK			1.78 H	190	65.2	42.1
2	*5200.00	96.9 AV			1.78 H	190	54.8	42.1
3	#10400.00	58.7 PK	68.2	-9.5	1.96 H	213	41.8	16.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	111.8 PK			1.18 V	191	69.7	42.1
2	*5200.00	101.4 AV			1.18 V	191	59.3	42.1
3	#10400.00	59.0 PK	68.2	-9.2	1.39 V	142	42.1	16.9

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	107.4 PK			1.74 H	188	65.4	42.0
2	*5240.00	97.1 AV			1.74 H	188	55.1	42.0
3	5350.00	57.9 PK	74.0	-16.1	1.74 H	188	51.5	6.4
4	5350.00	44.9 AV	54.0	-9.1	1.74 H	188	38.5	6.4
5	#10480.00	59.3 PK	68.2	-8.9	1.42 H	189	41.6	17.7
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	111.4 PK			1.25 V	192	69.4	42.0
2	*5240.00	100.9 AV			1.25 V	192	58.9	42.0
3	5350.00	57.8 PK	74.0	-16.2	1.25 V	192	51.4	6.4
4	5350.00	44.6 AV	54.0	-9.4	1.25 V	192	38.2	6.4
5	#10480.00	59.6 PK	68.2	-8.6	1.36 V	98	41.9	17.7

Remarks:

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

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	57.9 PK	74.0	-16.1	1.34 H	190	51.3	6.6
2	5150.00	44.8 AV	54.0	-9.2	1.34 H	190	38.2	6.6
3	*5260.00	107.2 PK			1.34 H	190	65.3	41.9
4	*5260.00	97.0 AV			1.34 H	190	55.1	41.9
5	#10520.00	59.7 PK	68.2	-8.5	2.21 H	149	42.1	17.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.2 PK	74.0	-15.8	1.46 V	231	51.6	6.6
2	5150.00	44.8 AV	54.0	-9.2	1.46 V	231	38.2	6.6
3	*5260.00	111.4 PK			1.46 V	231	69.5	41.9
4	*5260.00	101.5 AV			1.46 V	231	59.6	41.9
5	#10520.00	59.8 PK	68.2	-8.4	1.55 V	105	42.2	17.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	106.8 PK			1.33 H	192	64.9	41.9
2	*5300.00	95.8 AV			1.33 H	192	53.9	41.9
3	10600.00	59.1 PK	74.0	-14.9	2.15 H	152	41.9	17.2
4	10600.00	46.1 AV	54.0	-7.9	2.15 H	152	28.9	17.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	111.1 PK			1.31 V	232	69.2	41.9
2	*5300.00	101.0 AV			1.31 V	232	59.1	41.9
3	10600.00	59.4 PK	74.0	-14.6	1.62 V	110	42.2	17.2
4	10600.00	46.3 AV	54.0	-7.7	1.62 V	110	29.1	17.2

Remarks:

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

CHANNEL	TX Channel 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	104.7 PK			1.47 H	191	62.7	42.0
2	*5320.00	94.3 AV			1.47 H	191	52.3	42.0
3	5350.00	58.2 PK	74.0	-15.8	1.47 H	191	51.8	6.4
4	5350.00	44.7 AV	54.0	-9.3	1.47 H	191	38.3	6.4
5	10640.00	59.2 PK	74.0	-14.8	2.15 H	142	41.8	17.4
6	10640.00	46.2 AV	54.0	-7.8	2.15 H	142	28.8	17.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	109.4 PK			1.44 V	277	67.4	42.0
2	*5320.00	99.3 AV			1.44 V	277	57.3	42.0
3	5350.00	57.4 PK	74.0	-16.6	1.44 V	277	51.0	6.4
4	5350.00	45.4 AV	54.0	-8.6	1.44 V	277	39.0	6.4
5	10640.00	59.5 PK	74.0	-14.5	1.66 V	112	42.1	17.4
6	10640.00	46.4 AV	54.0	-7.6	1.66 V	112	29.0	17.4

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.8 PK	74.0	-16.2	1.63 H	189	51.5	6.3
2	5460.00	44.5 AV	54.0	-9.5	1.63 H	189	38.2	6.3
3	#5470.00	58.1 PK	68.2	-10.1	1.63 H	189	51.8	6.3
4	*5500.00	105.5 PK			1.63 H	189	63.4	42.1
5	*5500.00	94.7 AV			1.63 H	189	52.6	42.1
6	11000.00	60.4 PK	74.0	-13.6	2.19 H	145	41.8	18.6
7	11000.00	47.4 AV	54.0	-6.6	2.19 H	145	28.8	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.4 PK	74.0	-16.6	1.45 V	275	51.1	6.3
2	5460.00	44.9 AV	54.0	-9.1	1.45 V	275	38.6	6.3
3	#5470.00	57.9 PK	68.2	-10.3	1.45 V	275	51.6	6.3
4	*5500.00	109.7 PK			1.45 V	275	67.6	42.1
5	*5500.00	99.6 AV			1.45 V	275	57.5	42.1
6	11000.00	60.8 PK	74.0	-13.2	1.62 V	115	42.2	18.6
7	11000.00	47.8 AV	54.0	-6.2	1.62 V	115	29.2	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	104.1 PK			1.46 H	192	62.0	42.1
2	*5580.00	93.4 AV			1.46 H	192	51.3	42.1
3	11160.00	60.4 PK	74.0	-13.6	2.15 H	147	41.9	18.5
4	11160.00	47.4 AV	54.0	-6.6	2.15 H	147	28.9	18.5
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	111.0 PK			1.32 V	277	68.9	42.1
2	*5580.00	100.5 AV			1.32 V	277	58.4	42.1
3	11160.00	60.6 PK	74.0	-13.4	1.55 V	102	42.1	18.5
4	11160.00	47.5 AV	54.0	-6.5	1.55 V	102	29.0	18.5

Remarks:

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

CHANNEL	TX Channel 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	103.1 PK			1.43 H	186	60.8	42.3
2	*5700.00	92.9 AV			1.43 H	186	50.6	42.3
3	#5725.00	57.7 PK	68.2	-10.5	1.43 H	186	51.2	6.5
4	11400.00	59.9 PK	74.0	-14.1	2.09 H	145	42.0	17.9
5	11400.00	46.8 AV	54.0	-7.2	2.09 H	145	28.9	17.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	111.1 PK			1.21 V	275	68.8	42.3
2	*5700.00	100.8 AV			1.21 V	275	58.5	42.3
3	#5725.00	59.0 PK	68.2	-9.2	1.21 V	275	52.5	6.5
4	11400.00	59.8 PK	74.0	-14.2	1.59 V	105	41.9	17.9
5	11400.00	46.9 AV	54.0	-7.1	1.59 V	105	29.0	17.9

Remarks:

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

CHANNEL	TX Channel 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	#5628.21	57.8 PK	68.2	-10.4	1.62 H	151	51.6	6.2
2	*5745.00	101.4 PK			1.62 H	151	59.2	42.2
3	*5745.00	91.4 AV			1.62 H	151	49.2	42.2
4	#5969.23	58.8 PK	68.2	-9.4	1.62 H	151	51.6	7.2
5	11490.00	60.1 PK	74.0	-13.9	2.15 H	312	41.8	18.3
6	11490.00	47.0 AV	54.0	-7.0	2.15 H	312	28.7	18.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5606.41	57.0 PK	68.2	-11.2	1.36 V	156	50.8	6.2
2	*5745.00	109.3 PK			1.36 V	156	67.1	42.2
3	*5745.00	99.2 AV			1.36 V	156	57.0	42.2
4	#5989.10	59.6 PK	68.2	-8.6	1.36 V	156	52.4	7.2
5	11490.00	60.5 PK	74.0	-13.5	1.71 V	113	42.2	18.3
6	11490.00	47.3 AV	54.0	-6.7	1.71 V	113	29.0	18.3

Remarks:

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

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) 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	#5612.18	57.5 PK	68.2	-10.7	1.52 H	189	51.3	6.2
2	*5785.00	101.4 PK			1.52 H	189	59.2	42.2
3	*5785.00	91.2 AV			1.52 H	189	49.0	42.2
4	#5980.77	59.6 PK	68.2	-8.6	1.52 H	189	52.4	7.2
5	11570.00	60.0 PK	74.0	-14.0	2.05 H	314	42.0	18.0
6	11570.00	46.6 AV	54.0	-7.4	2.05 H	314	28.6	18.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5646.79	58.2 PK	68.2	-10.0	1.35 V	137	51.9	6.3
2	*5785.00	108.8 PK			1.35 V	137	66.6	42.2
3	*5785.00	98.6 AV			1.35 V	137	56.4	42.2
4	#5937.18	59.8 PK	68.2	-8.4	1.35 V	137	52.5	7.3
5	11570.00	60.5 PK	74.0	-13.5	1.66 V	109	42.5	18.0
6	11570.00	47.0 AV	54.0	-7.0	1.66 V	109	29.0	18.0

Remarks:

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

CHANNEL	TX Channel 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	#5635.26	56.9 PK	68.2	-11.3	1.31 H	187	50.6	6.3
2	*5825.00	102.1 PK			1.31 H	187	59.8	42.3
3	*5825.00	91.8 AV			1.31 H	187	49.5	42.3
4	#5949.36	58.9 PK	68.2	-9.3	1.31 H	187	51.6	7.3
5	11650.00	59.7 PK	74.0	-14.3	1.97 H	294	41.7	18.0
6	11650.00	46.7 AV	54.0	-7.3	1.97 H	294	28.7	18.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5635.90	58.0 PK	68.2	-10.2	1.41 V	165	51.7	6.3
2	*5825.00	109.5 PK			1.41 V	165	67.2	42.3
3	*5825.00	98.5 AV			1.41 V	165	56.2	42.3
4	#5949.36	58.8 PK	68.2	-9.4	1.41 V	165	51.5	7.3
5	11650.00	59.9 PK	74.0	-14.1	1.66 V	112	41.9	18.0
6	11650.00	46.8 AV	54.0	-7.2	1.66 V	112	28.8	18.0

Remarks:

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

802.11n (HT40)

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	64.9 PK	74.0	-9.1	1.25 H	191	58.3	6.6
2	5150.00	46.4 AV	54.0	-7.6	1.25 H	191	39.8	6.6
3	*5190.00	102.4 PK			1.25 H	191	60.3	42.1
4	*5190.00	93.4 AV			1.25 H	191	51.3	42.1
5	#10380.00	58.7 PK	68.2	-9.5	1.47 H	192	41.9	16.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	66.6 PK	74.0	-7.4	1.21 V	191	60.0	6.6
2	5150.00	50.0 AV	54.0	-4.0	1.21 V	191	43.4	6.6
3	*5190.00	108.1 PK			1.21 V	191	66.0	42.1
4	*5190.00	98.7 AV			1.21 V	191	56.6	42.1
5	#10380.00	58.9 PK	68.2	-9.3	1.42 V	105	42.1	16.8

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.9 PK	74.0	-15.1	1.63 H	191	52.3	6.6
2	5150.00	45.6 AV	54.0	-8.4	1.63 H	191	39.0	6.6
3	*5230.00	102.7 PK			1.63 H	191	60.7	42.0
4	*5230.00	93.6 AV			1.63 H	191	51.6	42.0
5	#10460.00	59.2 PK	68.2	-9.0	1.52 H	201	41.8	17.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.8 PK	74.0	-15.2	1.45 V	232	52.2	6.6
2	5150.00	45.8 AV	54.0	-8.2	1.45 V	232	39.2	6.6
3	*5230.00	107.1 PK			1.45 V	232	65.1	42.0
4	*5230.00	97.9 AV			1.45 V	232	55.9	42.0
5	#10460.00	59.6 PK	68.2	-8.6	1.51 V	105	42.2	17.4

Remarks:

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

CHANNEL	TX Channel 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	5150.00	59.0 PK	74.0	-15.0	1.45 H	191	52.4	6.6
2	5150.00	45.3 AV	54.0	-8.7	1.45 H	191	38.7	6.6
3	*5270.00	103.8 PK			1.45 H	191	61.9	41.9
4	*5270.00	94.6 AV			1.45 H	191	52.7	41.9
5	#10540.00	59.5 PK	68.2	-8.7	2.05 H	147	41.9	17.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.6 PK	74.0	-15.4	1.17 V	193	52.0	6.6
2	5150.00	44.9 AV	54.0	-9.1	1.17 V	193	38.3	6.6
3	*5270.00	108.1 PK			1.17 V	193	66.2	41.9
4	*5270.00	99.1 AV			1.17 V	193	57.2	41.9
5	11540.00	60.1 PK	68.2	-8.1	1.69 V	105	42.0	18.1

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	102.8 PK			1.16 H	191	60.8	42.0
2	*5310.00	93.5 AV			1.16 H	191	51.5	42.0
3	5350.00	64.7 PK	74.0	-9.3	1.16 H	191	58.3	6.4
4	5350.00	46.4 AV	54.0	-7.6	1.16 H	191	40.0	6.4
5	10620.00	59.2 PK	74.0	-14.8	2.12 H	142	41.8	17.4
6	10620.00	46.3 AV	54.0	-7.7	2.12 H	142	28.9	17.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	106.7 PK			1.29 V	193	64.7	42.0
2	*5310.00	97.6 AV			1.29 V	193	55.6	42.0
3	5350.00	69.0 PK	74.0	-5.0	1.29 V	193	62.6	6.4
4	5350.00	47.7 AV	54.0	-6.3	1.29 V	193	41.3	6.4
5	10620.00	59.5 PK	74.0	-14.5	1.69 V	112	42.1	17.4
6	10620.00	46.4 AV	54.0	-7.6	1.69 V	112	29.0	17.4

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.3 PK	74.0	-15.7	1.35 H	190	52.0	6.3
2	5460.00	45.1 AV	54.0	-8.9	1.35 H	190	38.8	6.3
3	#5470.00	60.3 PK	68.2	-7.9	1.35 H	190	54.0	6.3
4	*5510.00	101.4 PK			1.35 H	190	59.3	42.1
5	*5510.00	92.4 AV			1.35 H	190	50.3	42.1
6	11020.00	60.4 PK	74.0	-13.6	1.99 H	152	41.8	18.6
7	11020.00	47.4 AV	54.0	-6.6	1.99 H	152	28.8	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	63.2 PK	74.0	-10.8	1.27 V	151	56.9	6.3
2	5460.00	46.1 AV	54.0	-7.9	1.27 V	151	39.8	6.3
3	#5470.00	65.4 PK	68.2	-2.8	1.27 V	151	59.1	6.3
4	*5510.00	106.4 PK			1.27 V	151	64.3	42.1
5	*5510.00	97.5 AV			1.27 V	151	55.4	42.1
6	11020.00	60.7 PK	74.0	-13.3	1.59 V	105	42.1	18.6
7	11020.00	47.7 AV	54.0	-6.3	1.59 V	105	29.1	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	100.9 PK			1.24 H	189	58.8	42.1
2	*5550.00	91.9 AV			1.24 H	189	49.8	42.1
3	11100.00	60.1 PK	74.0	-13.9	2.06 H	151	41.8	18.3
4	11100.00	47.2 AV	54.0	-6.8	2.06 H	151	28.9	18.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	106.1 PK			1.22 V	150	64.0	42.1
2	*5550.00	97.1 AV			1.22 V	150	55.0	42.1
3	11100.00	60.2 PK	74.0	-13.8	1.63 V	112	41.9	18.3
4	11100.00	47.3 AV	54.0	-6.7	1.63 V	112	29.0	18.3

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	99.4 PK			1.26 H	187	57.2	42.2
2	*5670.00	90.3 AV			1.26 H	187	48.1	42.2
3	#5725.00	57.7 PK	68.2	-10.5	1.26 H	187	51.2	6.5
4	11340.00	60.0 PK	74.0	-14.0	2.02 H	156	41.9	18.1
5	11340.00	46.9 AV	54.0	-7.1	2.02 H	156	28.8	18.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	106.6 PK			1.16 V	275	64.4	42.2
2	*5670.00	97.6 AV			1.16 V	275	55.4	42.2
3	#5725.00	63.6 PK	68.2	-4.6	1.16 V	275	57.1	6.5
4	11340.00	60.1 PK	74.0	-13.9	1.72 V	115	42.0	18.1
5	11340.00	47.2 AV	54.0	-6.8	1.72 V	115	29.1	18.1

Remarks:

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

CHANNEL	TX Channel 151	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	#5612.18	57.7 PK	68.2	-10.5	1.33 H	190	51.5	6.2
2	*5755.00	98.0 PK			1.33 H	190	55.7	42.3
3	*5755.00	88.5 AV			1.33 H	190	46.2	42.3
4	#5989.10	59.0 PK	68.2	-9.2	1.33 H	190	51.8	7.2
5	11510.00	60.2 PK	74.0	-13.8	2.15 H	294	42.0	18.2
6	11510.00	46.9 AV	54.0	-7.1	2.15 H	294	28.7	18.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5612.82	57.8 PK	68.2	-10.4	1.39 V	153	51.6	6.2
2	*5755.00	106.4 PK			1.39 V	153	64.1	42.3
3	*5755.00	97.0 AV			1.39 V	153	54.7	42.3
4	#5927.56	59.5 PK	68.2	-8.7	1.39 V	153	52.2	7.3
5	11510.00	60.3 PK	74.0	-13.7	1.69 V	105	42.1	18.2
6	11510.00	47.2 AV	54.0	-6.8	1.69 V	105	29.0	18.2

Remarks:

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

CHANNEL	TX Channel 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	#5628.21	58.5 PK	68.2	-9.7	1.77 H	186	52.3	6.2
2	*5795.00	98.1 PK			1.77 H	186	55.9	42.2
3	*5795.00	88.7 AV			1.77 H	186	46.5	42.2
4	#5973.72	58.7 PK	68.2	-9.5	1.77 H	186	51.5	7.2
5	11590.00	59.8 PK	74.0	-14.2	1.97 H	298	42.0	17.8
6	11590.00	46.5 AV	54.0	-7.5	1.97 H	298	28.7	17.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5622.44	57.9 PK	68.2	-10.3	1.23 V	154	51.7	6.2
2	*5795.00	105.4 PK			1.23 V	154	63.2	42.2
3	*5795.00	95.9 AV			1.23 V	154	53.7	42.2
4	#5954.49	58.9 PK	68.2	-9.3	1.23 V	154	51.6	7.3
5	11590.00	59.7 PK	74.0	-14.3	1.69 V	105	41.9	17.8
6	11590.00	46.7 AV	54.0	-7.3	1.69 V	105	28.9	17.8

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.4 PK	74.0	-14.6	1.64 H	192	52.8	6.6
2	5150.00	47.2 AV	54.0	-6.8	1.64 H	192	40.6	6.6
3	*5210.00	98.3 PK			1.64 H	192	56.3	42.0
4	*5210.00	88.8 AV			1.64 H	192	46.8	42.0
5	5350.00	58.6 PK	74.0	-15.4	1.64 H	192	52.2	6.4
6	5350.00	45.3 AV	54.0	-8.7	1.64 H	192	38.9	6.4
7	#10420.00	59.1 PK	68.2	-9.1	1.44 H	202	41.9	17.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	61.2 PK	74.0	-12.8	1.14 V	192	54.6	6.6
2	5150.00	47.8 AV	54.0	-6.2	1.14 V	192	41.2	6.6
3	*5210.00	102.1 PK			1.14 V	192	60.1	42.0
4	*5210.00	92.6 AV			1.14 V	192	50.6	42.0
5	5350.00	58.6 PK	74.0	-15.4	1.14 V	192	52.2	6.4
6	5350.00	46.2 AV	54.0	-7.8	1.14 V	192	39.8	6.4
7	#10420.00	59.2 PK	68.2	-9.0	1.56 V	107	42.0	17.2

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.9 PK	74.0	-15.1	1.32 H	189	52.3	6.6
2	5150.00	45.7 AV	54.0	-8.3	1.32 H	189	39.1	6.6
3	*5290.00	98.7 PK			1.32 H	189	56.8	41.9
4	*5290.00	89.0 AV			1.32 H	189	47.1	41.9
5	5350.00	58.9 PK	74.0	-15.1	1.32 H	189	52.5	6.4
6	5350.00	45.9 AV	54.0	-8.1	1.32 H	189	39.5	6.4
7	#10580.00	59.3 PK	68.2	-8.9	2.25 H	141	41.9	17.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.4 PK	74.0	-14.6	1.26 V	132	52.8	6.6
2	5150.00	46.4 AV	54.0	-7.6	1.26 V	132	39.8	6.6
3	*5290.00	103.1 PK			1.26 V	132	61.2	41.9
4	*5290.00	93.1 AV			1.26 V	132	51.2	41.9
5	5350.00	59.3 PK	74.0	-14.7	1.26 V	132	52.9	6.4
6	5350.00	47.4 AV	54.0	-6.6	1.26 V	132	41.0	6.4
7	#10580.00	59.3 PK	68.2	-8.9	1.66 V	107	41.9	17.4

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.7 PK	74.0	-16.3	1.45 H	189	51.4	6.3
2	5460.00	45.5 AV	54.0	-8.5	1.45 H	189	39.2	6.3
3	#5470.00	58.1 PK	68.2	-10.1	1.45 H	189	51.8	6.3
4	*5530.00	95.0 PK			1.45 H	189	52.9	42.1
5	*5530.00	85.7 AV			1.45 H	189	43.6	42.1
6	#5725.00	57.7 PK	68.2	-10.5	1.45 H	189	51.2	6.5
7	11060.00	60.3 PK	74.0	-13.7	2.01 H	142	41.9	18.4
8	11060.00	47.2 AV	54.0	-6.8	2.01 H	142	28.8	18.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.3 PK	74.0	-14.7	1.11 V	126	53.0	6.3
2	5460.00	46.9 AV	54.0	-7.1	1.11 V	126	40.6	6.3
3	#5470.00	59.7 PK	68.2	-8.5	1.11 V	126	53.4	6.3
4	*5530.00	101.9 PK			1.11 V	126	59.8	42.1
5	*5530.00	91.9 AV			1.11 V	126	49.8	42.1
6	#5725.00	57.7 PK	68.2	-10.5	1.11 V	126	51.2	6.5
7	11060.00	60.3 PK	74.0	-13.7	1.69 V	114	41.9	18.4
8	11060.00	47.2 AV	54.0	-6.8	1.69 V	114	28.8	18.4

Remarks:

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

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.3 PK	74.0	-16.7	1.44 H	187	51.0	6.3
2	5460.00	45.3 AV	54.0	-8.7	1.44 H	187	39.0	6.3
3	#5470.00	57.6 PK	68.2	-10.6	1.44 H	187	51.3	6.3
4	*5610.00	94.3 PK			1.44 H	187	52.2	42.1
5	*5610.00	84.9 AV			1.44 H	187	42.8	42.1
6	#5725.00	57.3 PK	68.2	-10.9	1.44 H	187	50.8	6.5
7	11220.00	60.3 PK	74.0	-13.7	2.02 H	142	41.8	18.5
8	11220.00	47.2 AV	54.0	-6.8	2.02 H	142	28.7	18.5
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.5 PK	74.0	-16.5	1.20 V	132	51.2	6.3
2	5460.00	44.6 AV	54.0	-9.4	1.20 V	132	38.3	6.3
3	#5470.00	57.9 PK	68.2	-10.3	1.20 V	132	51.6	6.3
4	*5610.00	100.0 PK			1.20 V	132	57.9	42.1
5	*5610.00	90.2 AV			1.20 V	132	48.1	42.1
6	#5725.00	58.9 PK	68.2	-9.3	1.20 V	132	52.4	6.5
7	11220.00	60.4 PK	74.0	-13.6	1.64 V	108	41.9	18.5
8	11220.00	47.4 AV	54.0	-6.6	1.64 V	108	28.9	18.5

Remarks:

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

CHANNEL	TX Channel 155	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	#5636.54	59.0 PK	68.2	-9.2	1.48 H	187	52.7	6.3
2	#5650.00	57.9 PK	68.2	-10.3	1.48 H	187	51.6	6.3
3	*5775.00	92.9 PK			1.48 H	187	50.7	42.2
4	*5775.00	83.7 AV			1.48 H	187	41.5	42.2
5	#5925.00	58.5 PK	68.2	-9.7	1.48 H	187	51.2	7.3
6	#5982.05	58.4 PK	68.2	-9.8	1.48 H	187	51.2	7.2
7	11550.00	59.9 PK	74.0	-14.1	2.15 H	152	41.8	18.1
8	11550.00	46.9 AV	54.0	-7.1	2.15 H	152	28.8	18.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5645.51	58.0 PK	68.2	-10.2	1.22 V	187	51.7	6.3
2	#5650.00	58.5 PK	68.2	-9.7	1.22 V	187	52.2	6.3
3	*5775.00	99.4 PK			1.22 V	187	57.2	42.2
4	*5775.00	90.3 AV			1.22 V	187	48.1	42.2
5	#5925.00	58.9 PK	68.2	-9.3	1.22 V	187	51.6	7.3
6	#5991.03	59.2 PK	68.2	-9.0	1.22 V	187	52.0	7.2
7	11550.00	60.2 PK	74.0	-13.8	1.66 V	121	42.1	18.1
8	11550.00	47.0 AV	54.0	-7.0	1.66 V	121	28.9	18.1

Remarks:

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

Below 1GHz worst-case data:

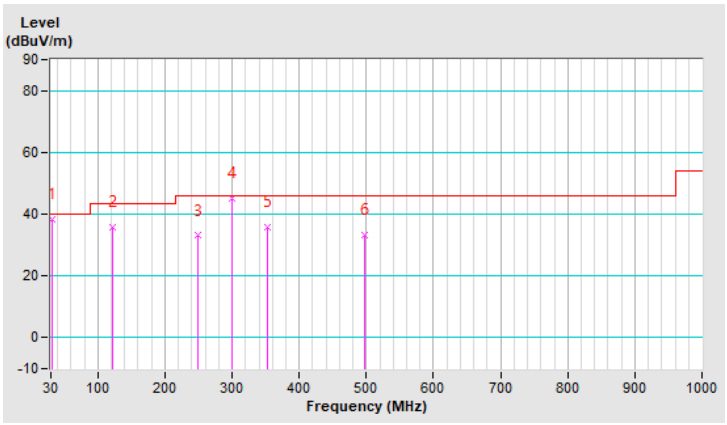
802.11n (HT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	32.81	38.4 QP	40.0	-1.6	2.00 H	193	49.3	-10.9
2	121.38	35.7 QP	43.5	-7.8	1.49 H	36	46.4	-10.7
3	249.30	33.0 QP	46.0	-13.0	1.00 H	252	41.6	-8.6
4	**299.91**	**44.9 QP**	**46.0**	**-1.1**	**1.00 H**	**250**	**51.5**	**-6.6**
5	353.33	35.8 QP	46.0	-10.2	1.00 H	150	41.3	-5.5
6	498.13	33.4 QP	46.0	-12.6	2.00 H	157	35.7	-2.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20dB below the permissible value to be report.

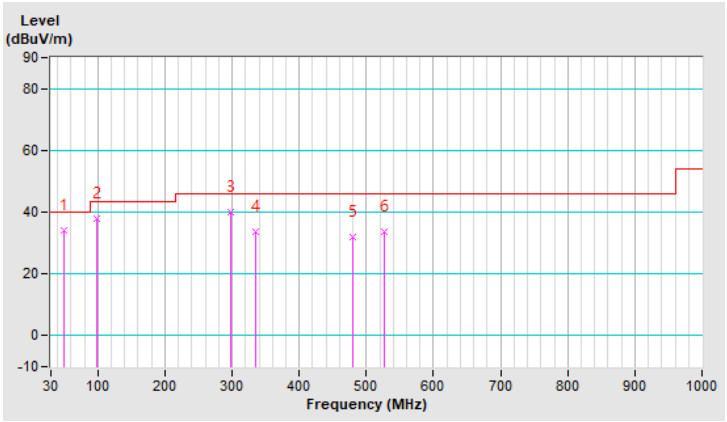


CHANNEL	TX Channel 38	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

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	49.68	34.2 QP	40.0	-5.8	1.00 V	174	43.3	-9.1
2	98.88	37.8 QP	43.5	-5.7	1.00 V	39	51.3	-13.5
3	298.51	40.1 QP	46.0	-5.9	1.51 V	182	46.7	-6.6
4	335.06	33.6 QP	46.0	-12.4	1.51 V	15	39.3	-5.7
5	479.86	32.1 QP	46.0	-13.9	1.00 V	13	34.7	-2.6
6	527.65	33.5 QP	46.0	-12.5	1.00 V	132	35.1	-1.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20dB below the permissible value to be report.



4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

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

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

4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESR3	102412	Feb. 17, 2020	Feb. 16, 2021
RF signal cable (with 10dB PAD) Woken	5D-FB	Cable-cond2-01	Sep. 04, 2020	Sep. 03, 2021
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Jan. 20, 2020	Jan. 19, 2021
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Aug. 18, 2020	Aug. 17, 2021
Software ADT	BV ADT_Cond_ V7.3.7.4	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Shielded Room 2. (Conduction 2)
3. The VCCI Site Registration No. is C-12047.

4.2.3 Test Procedures

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

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

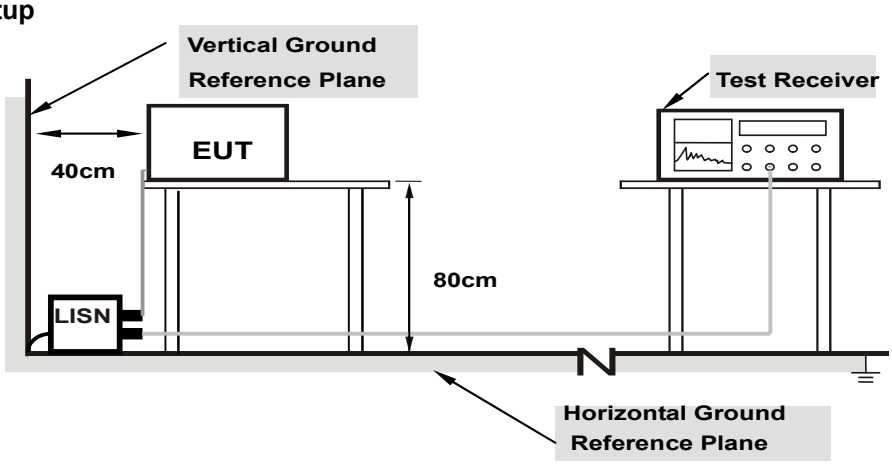
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

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

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



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

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

4.2.6 EUT Operating Conditions

Same as item 4.1.6.

4.2.7 Test Results

Worst-case data:

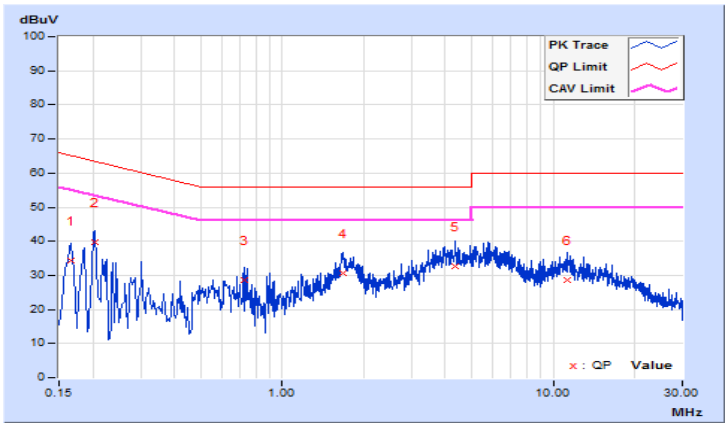
802.11n (HT40)

Channel	TX Channel 38	Detector Function	Quasi-Peak (QP) / Average (AV)
Phase	Line (L)		

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	0.16564	10.09	24.14	2.96	34.23	13.05	65.18	55.18	-30.95	-42.13
2	0.20458	10.10	29.58	15.97	39.68	26.07	63.42	53.42	-23.74	-27.35
3	0.72084	10.13	18.56	3.15	28.69	13.28	56.00	46.00	-27.31	-32.72
4	1.68663	10.16	20.62	10.96	30.78	21.12	56.00	46.00	-25.22	-24.88
5	**4.34152**	**10.23**	**22.38**	**15.29**	**32.61**	**25.52**	**56.00**	**46.00**	**-23.39**	**-20.48**
6	11.27004	10.31	18.36	12.25	28.67	22.56	60.00	50.00	-31.33	-27.44

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.

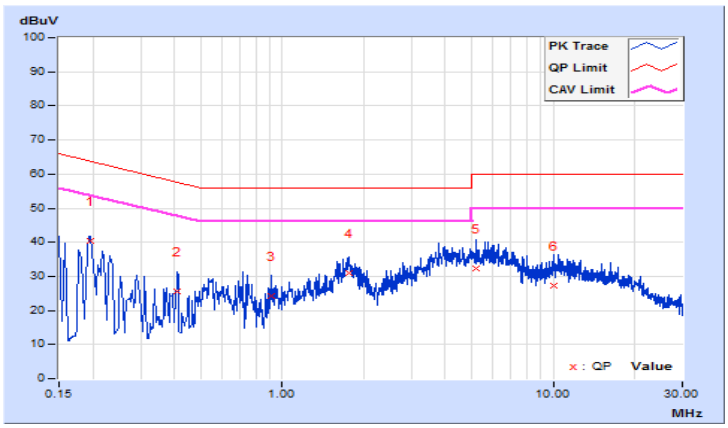


Channel	TX Channel 38	Detector Function	Quasi-Peak (QP) / Average (AV)
Phase	Neutral (N)		

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	0.19692	10.06	30.29	13.77	40.35	23.83	63.74	53.74	-23.39	-29.91
2	0.40806	10.08	15.46	2.06	25.54	12.14	57.69	47.69	-32.15	-35.55
3	0.90854	10.12	14.15	1.22	24.27	11.34	56.00	46.00	-31.73	-34.66
4	1.76874	10.15	20.78	10.49	30.93	20.64	56.00	46.00	-25.07	-25.36
5	5.18608	10.26	22.01	15.12	32.27	25.38	60.00	50.00	-27.73	-24.62
6	10.08531	10.39	17.04	11.14	27.43	21.53	60.00	50.00	-32.57	-28.47

REMARKS:

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



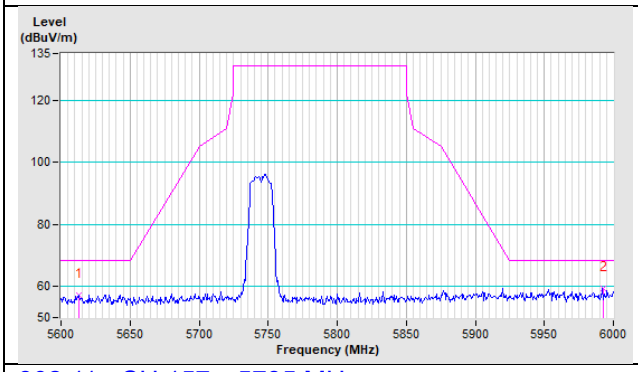
5 Pictures of Test Arrangements

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

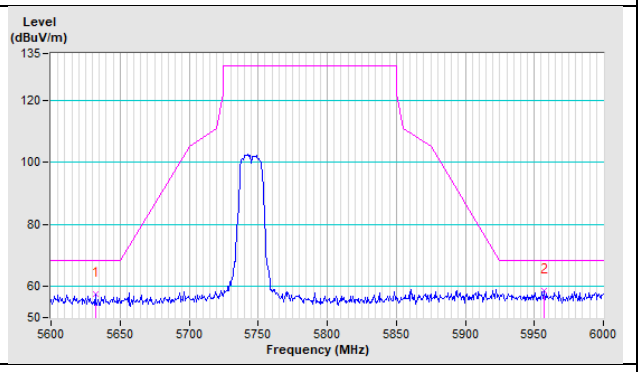
Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band)

802.11a CH 149：5745 MHz

Horizontal

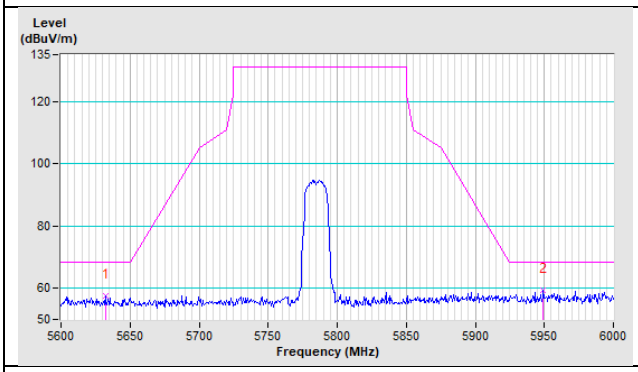


Vertical

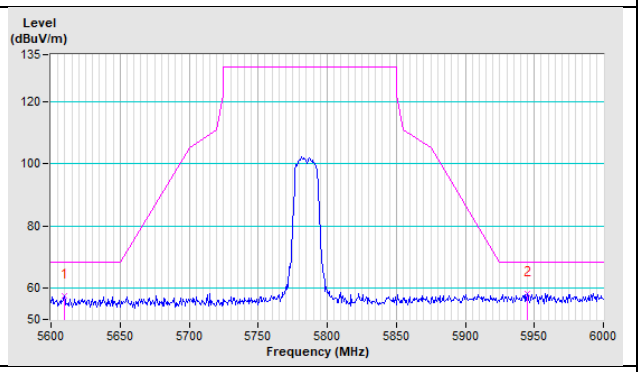


802.11a CH 157：5785 MHz

Horizontal

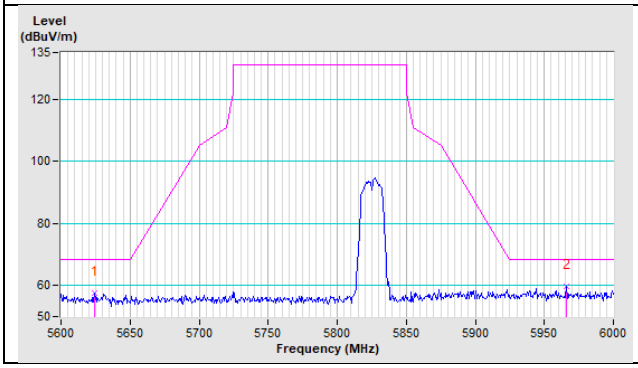


Vertical

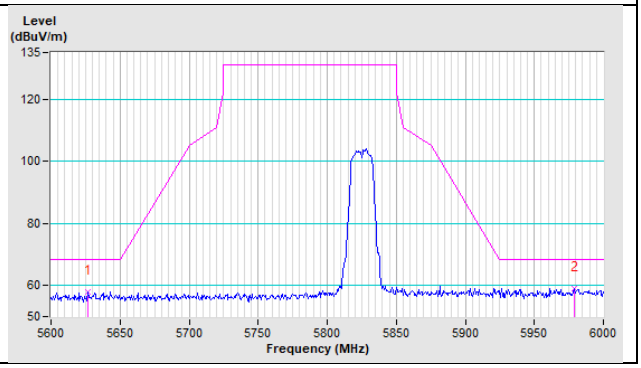


802.11a CH 165：5825 MHz

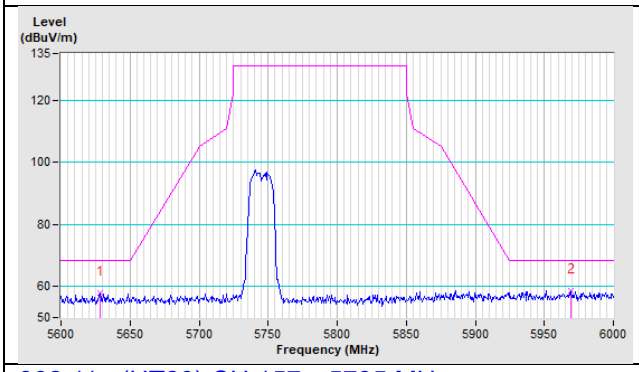
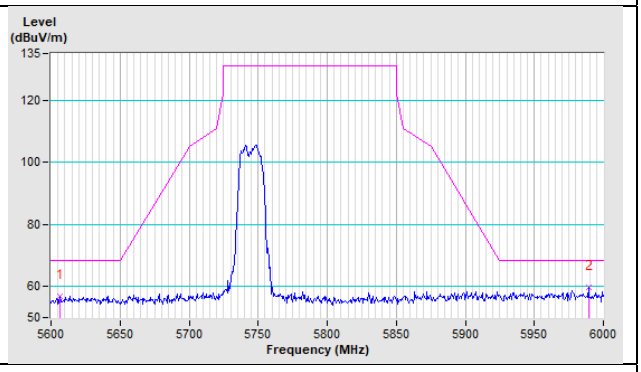
Horizontal



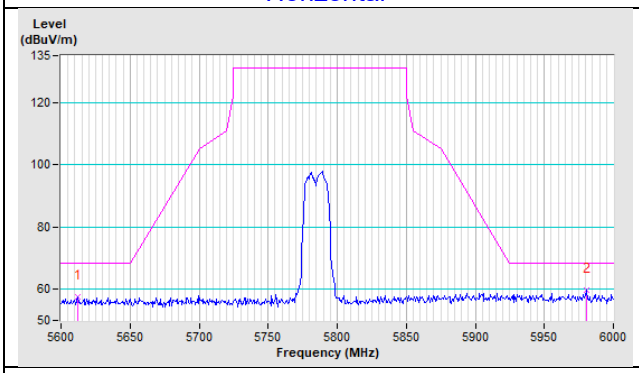
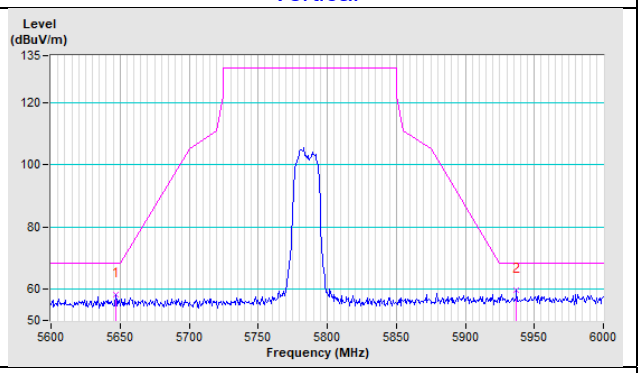
Vertical



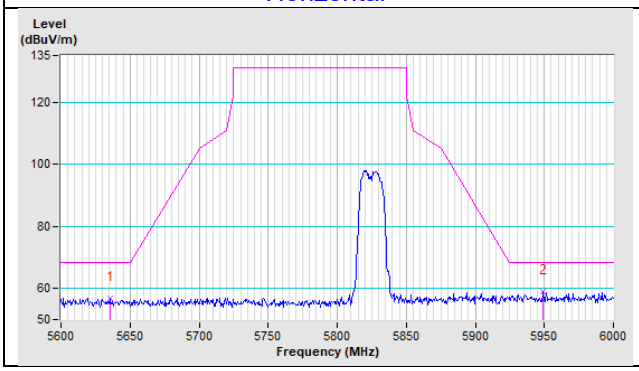
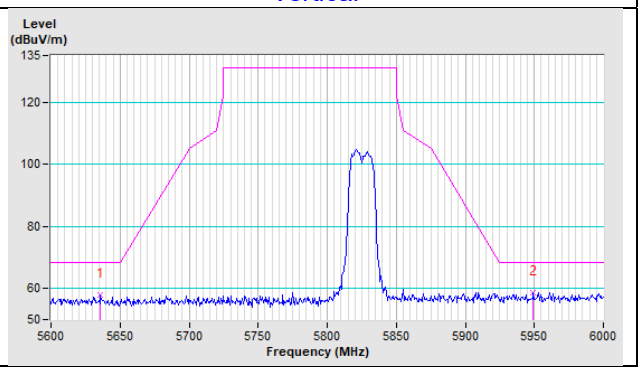
802.11n (HT20) CH 149：5745 MHz

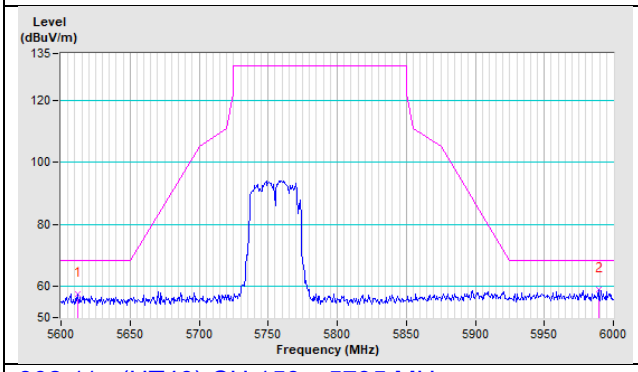
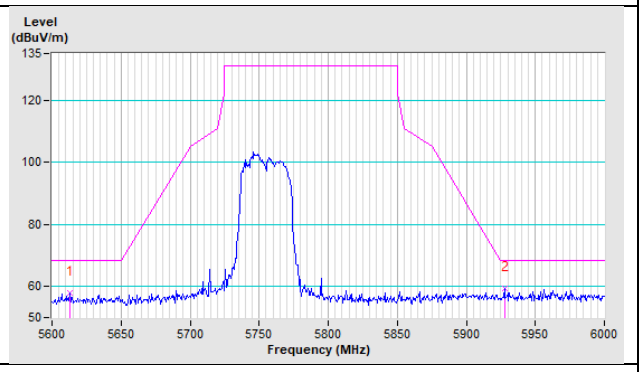
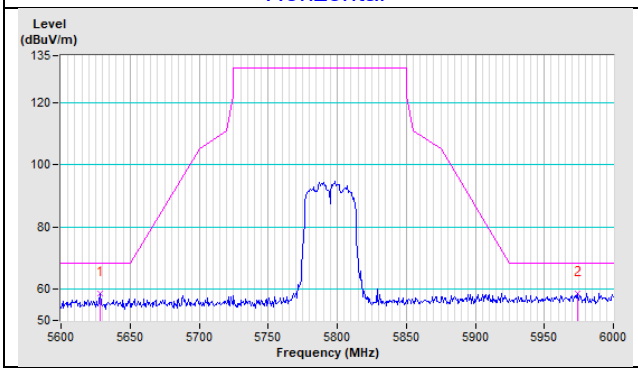
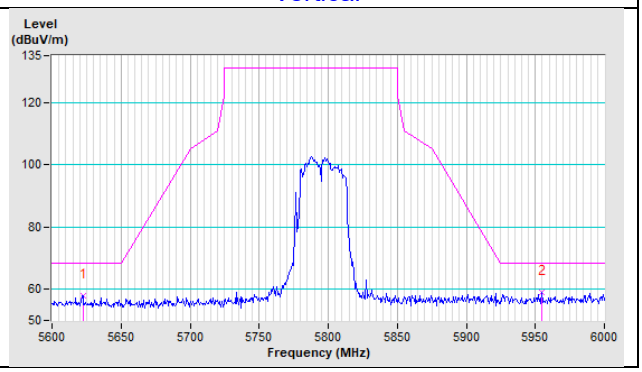
Horizontal	Vertical
	

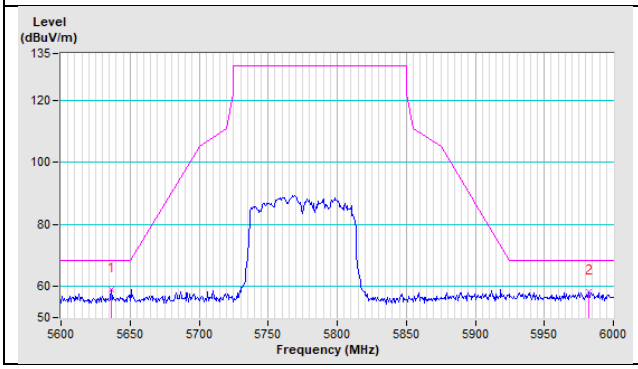
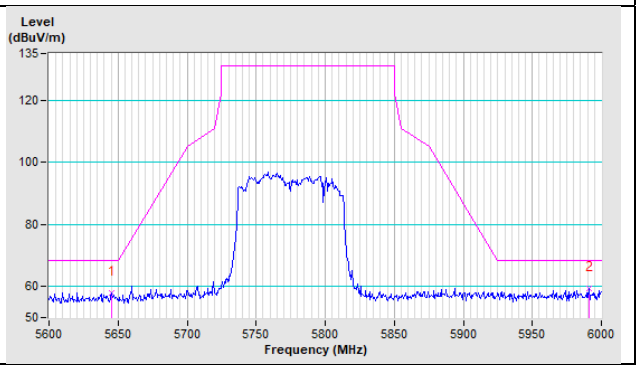
802.11n (HT20) CH 157：5785 MHz

Horizontal	Vertical
	

802.11n (HT20) CH 165：5825 MHz

Horizontal	Vertical
	

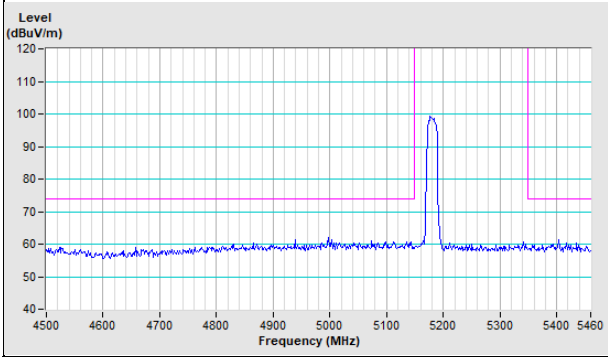
802.11n (HT40) CH 151：5755 MHz	
Horizontal	Vertical
	
802.11n (HT40) CH 159：5795 MHz	
Horizontal	Vertical
	

802.11ac (VHT80) CH 155：5775 MHz	
Horizontal	Vertical
	

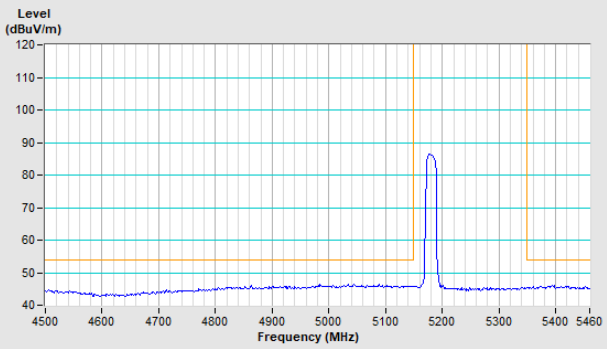
Annex B - Band Edge Measurement

802.11a Channel 36

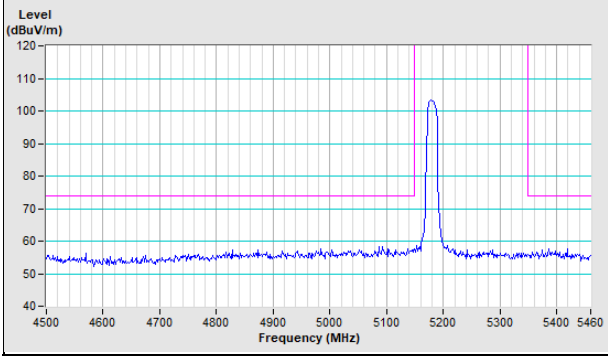
Horizontal (Peak)



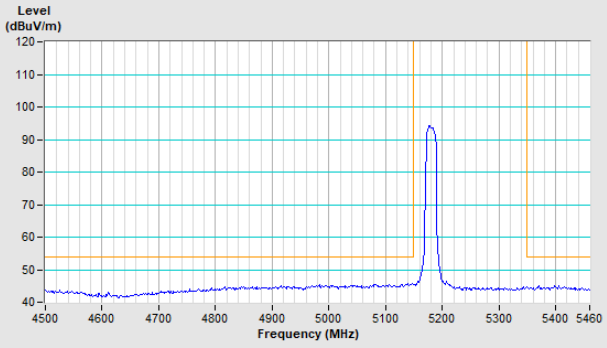
Horizontal (Average)



Vertical (Peak)

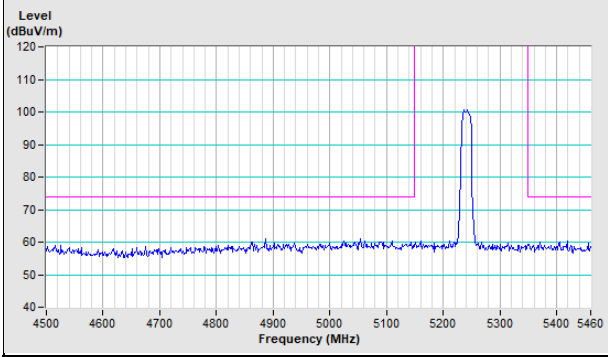


Vertical (Average)

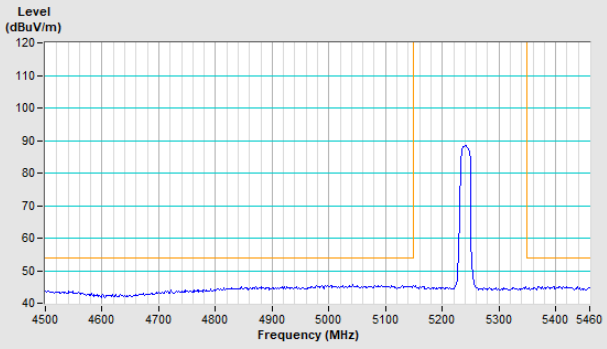


802.11a Channel 48

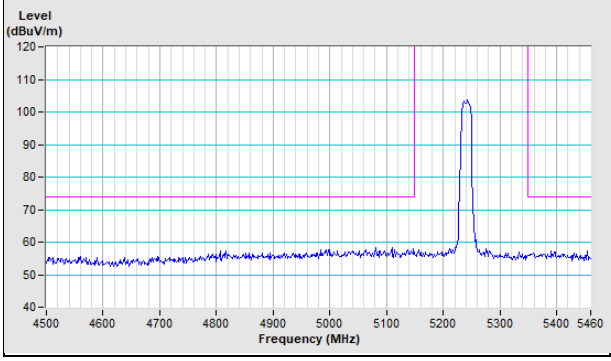
Horizontal (Peak)



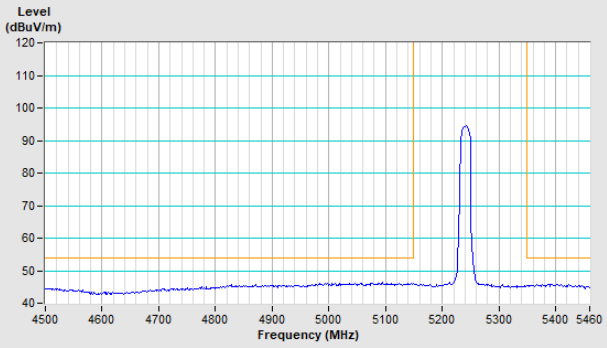
Horizontal (Average)

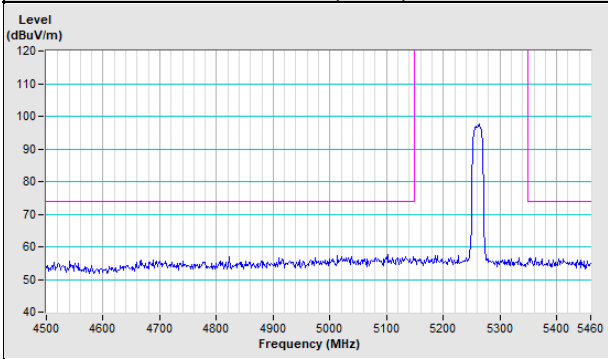
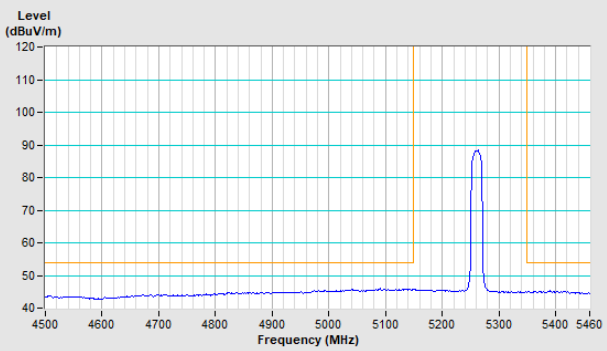
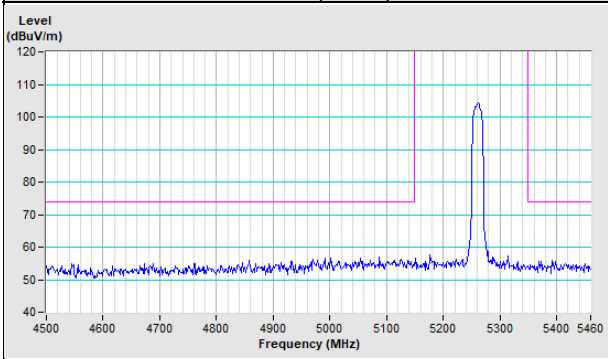
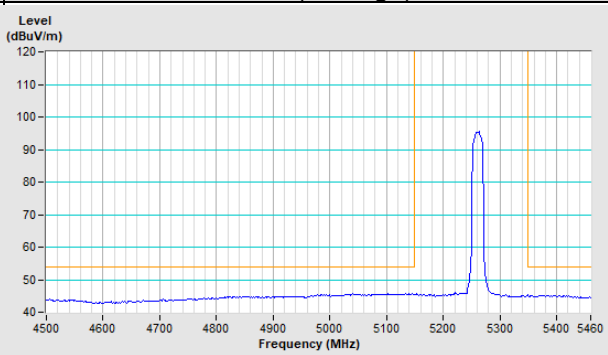
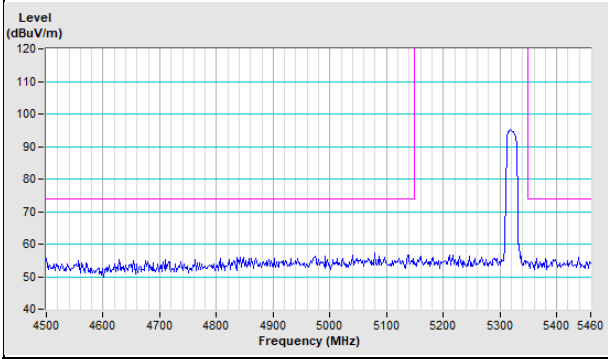
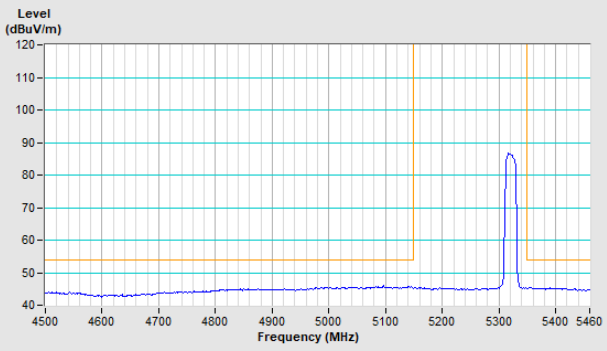
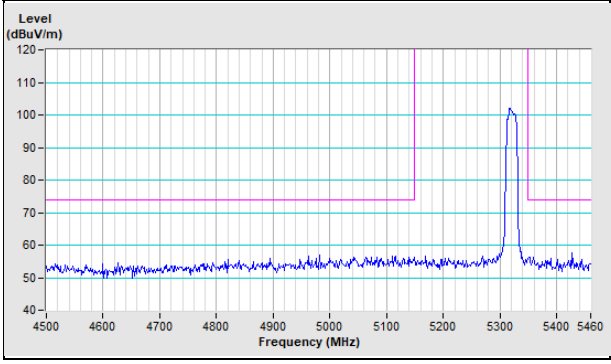
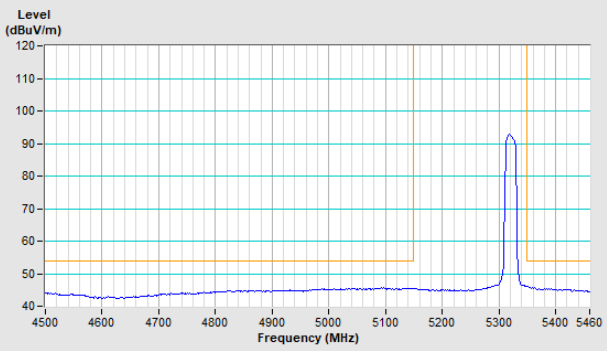


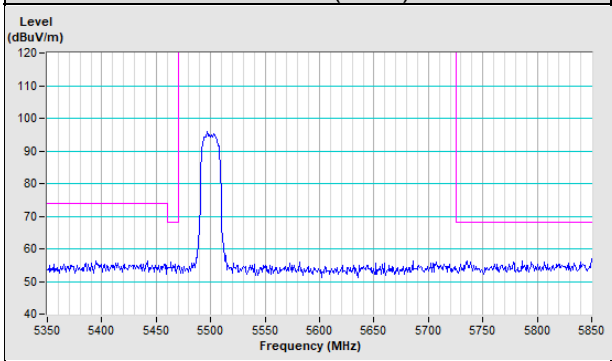
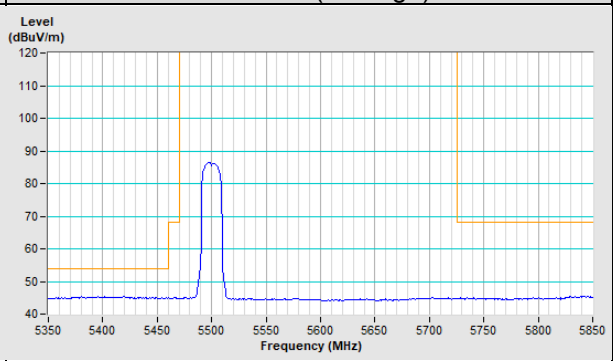
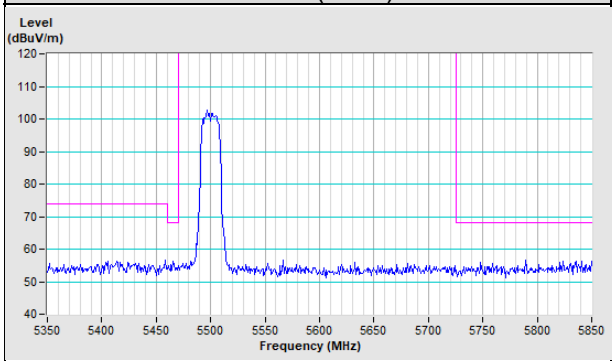
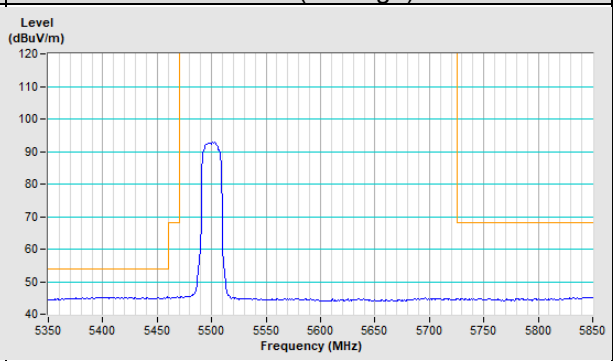
Vertical (Peak)

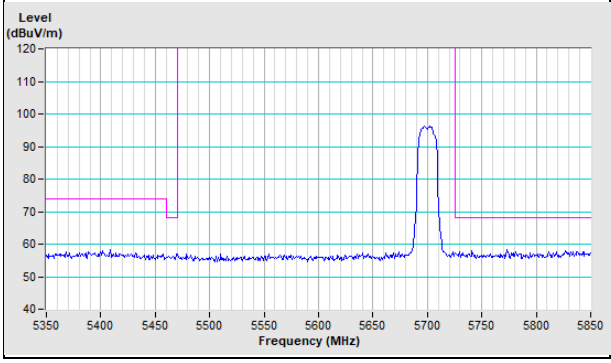
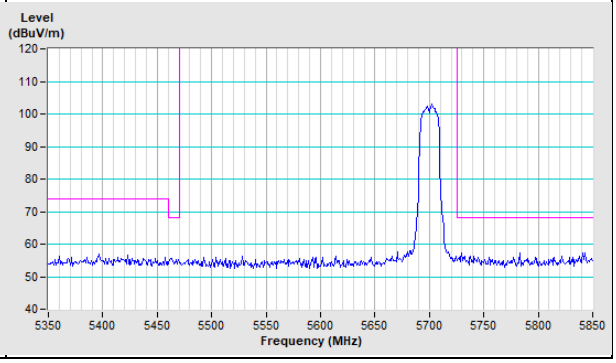


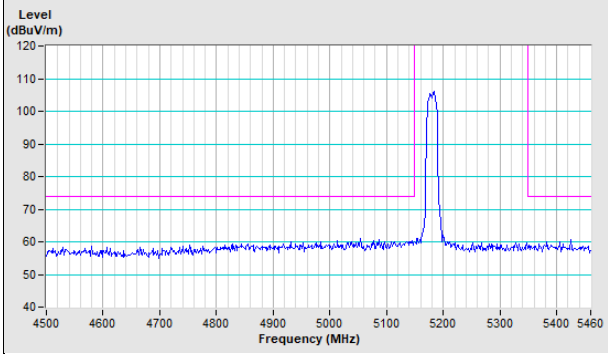
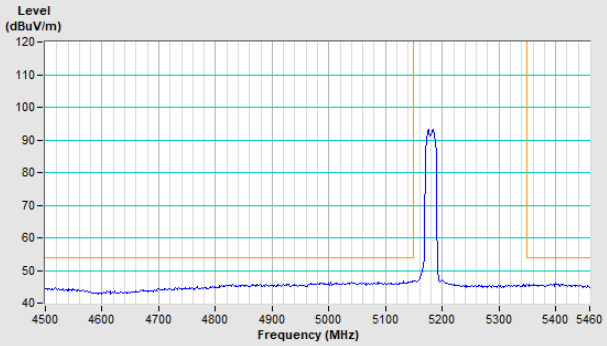
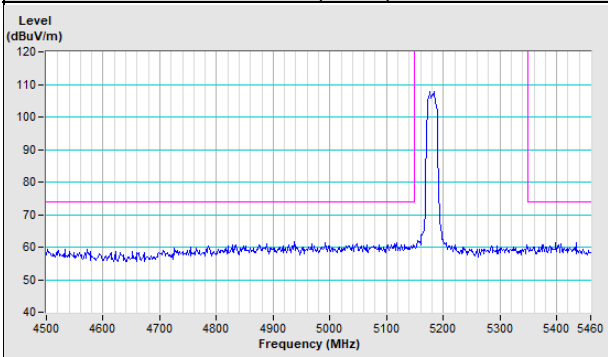
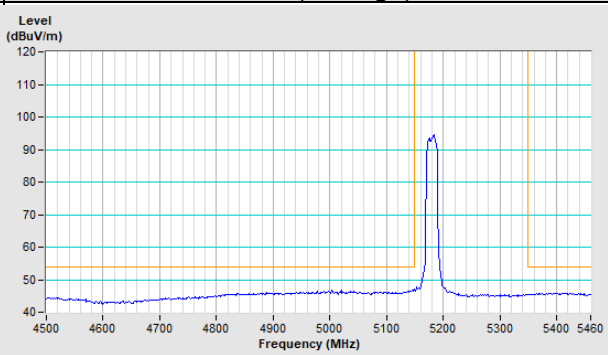
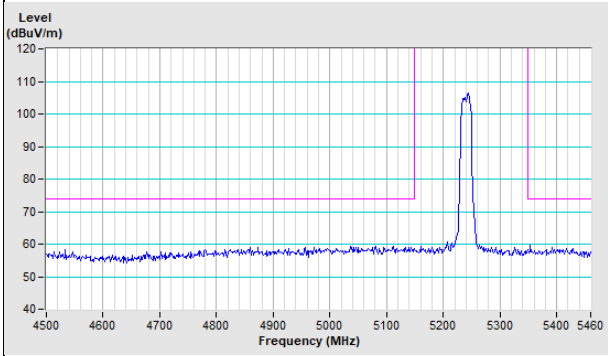
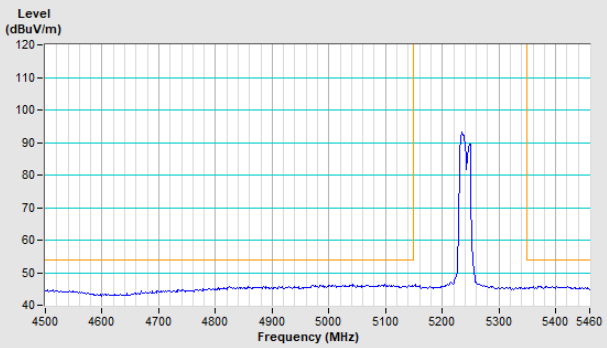
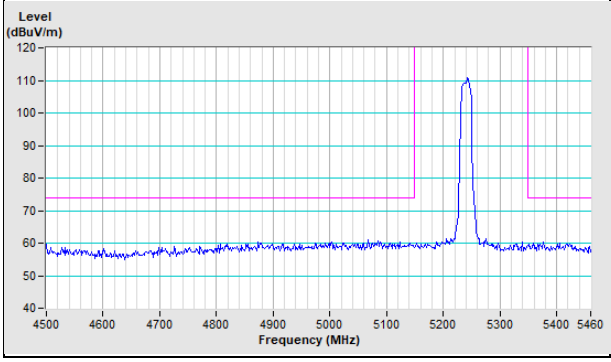
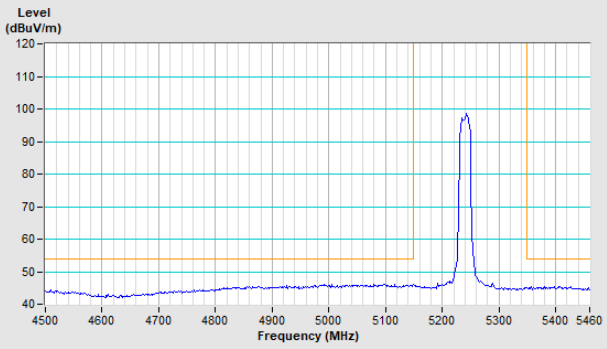
Vertical (Average)

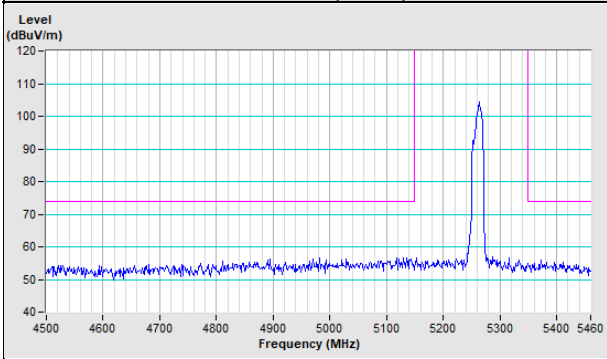
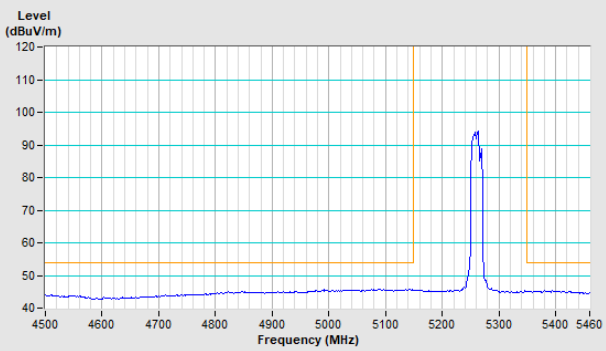
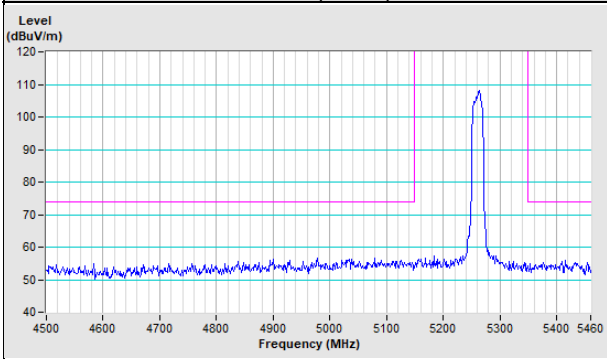
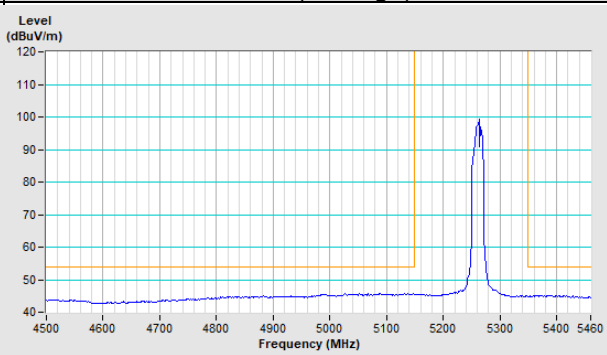
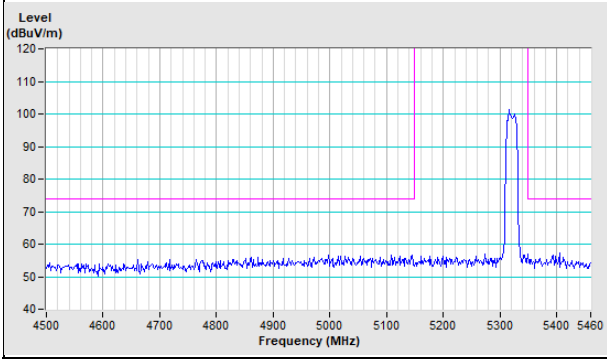
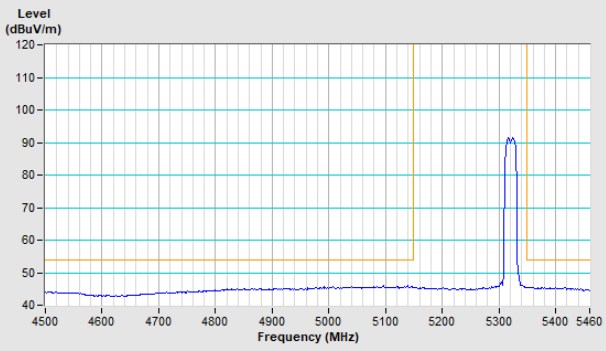
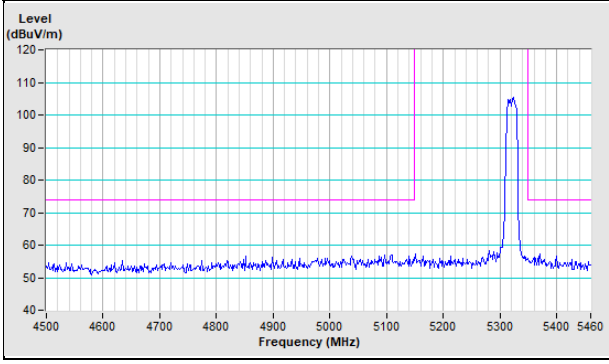
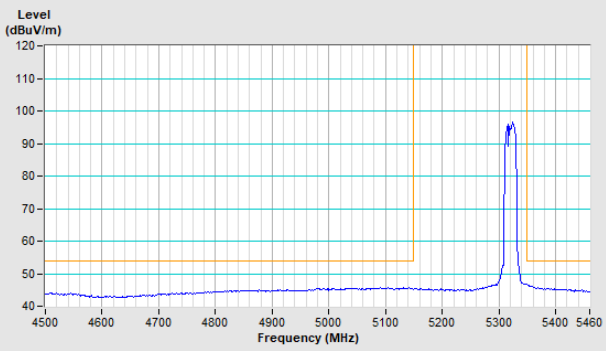


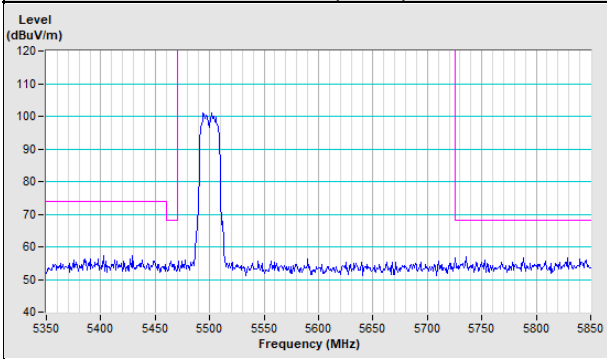
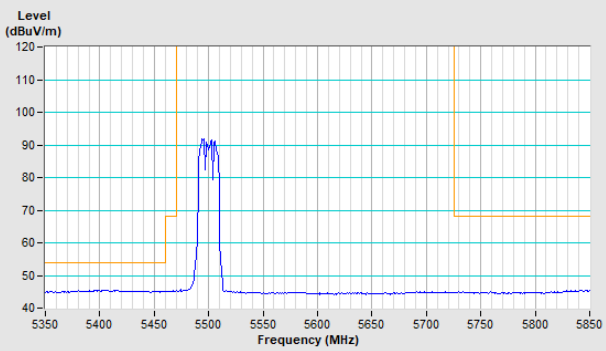
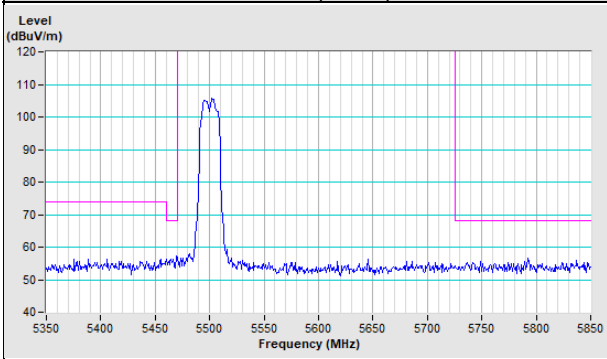
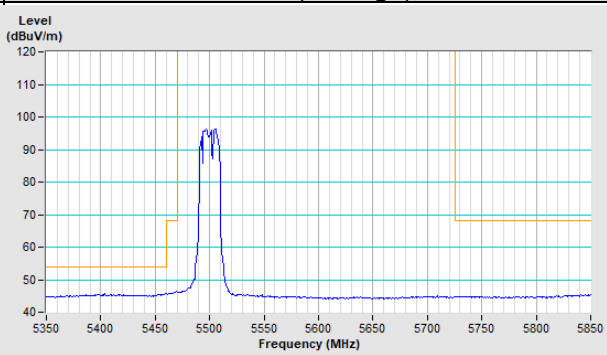
802.11a Channel 52	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

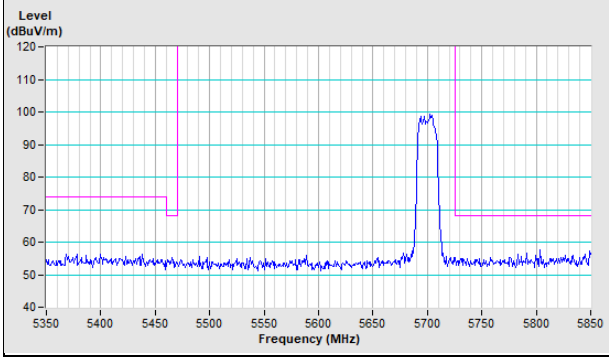
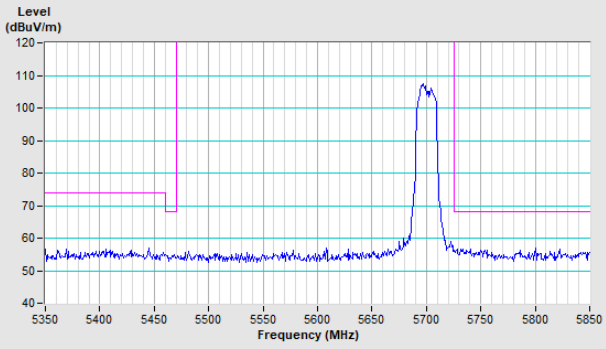
802.11a Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

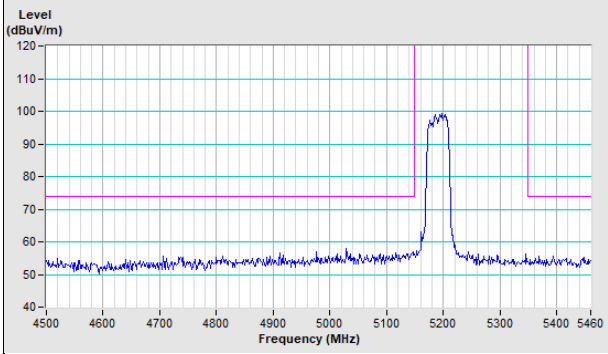
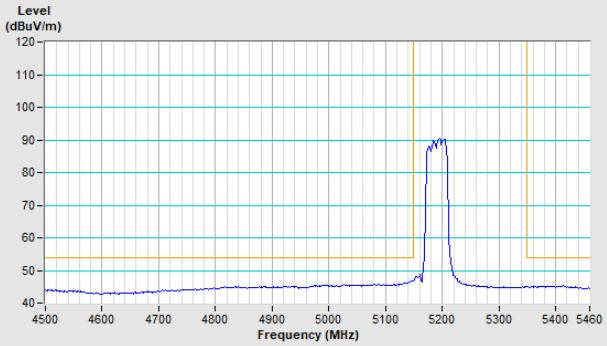
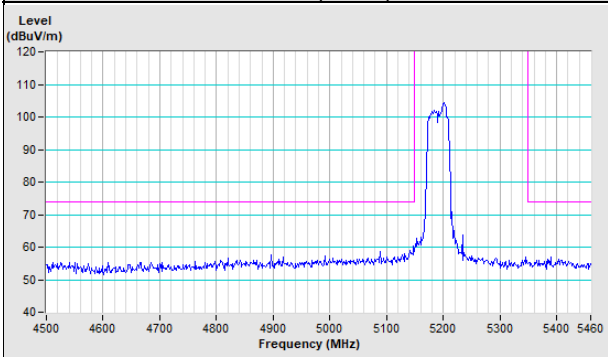
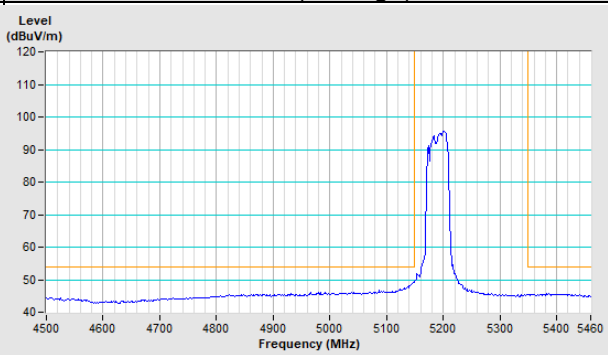
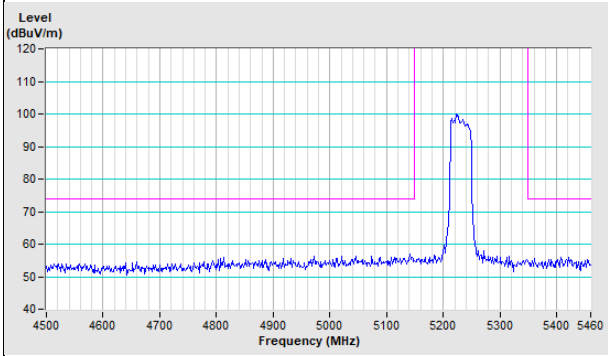
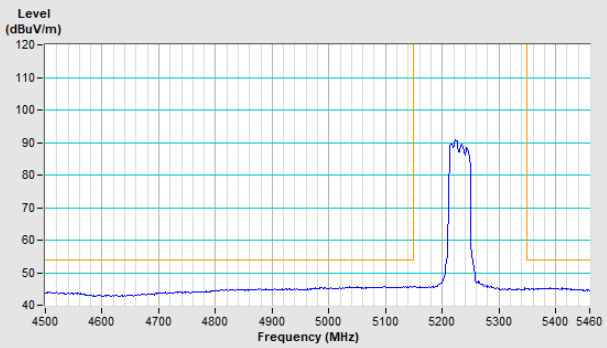
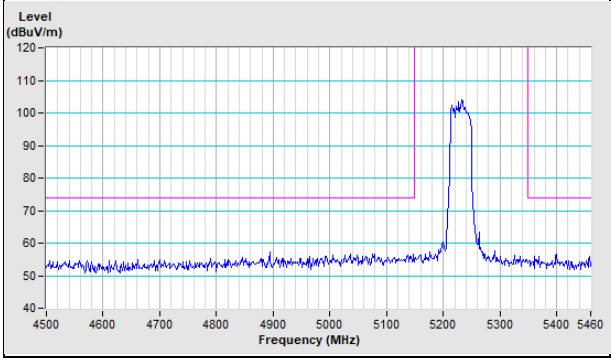
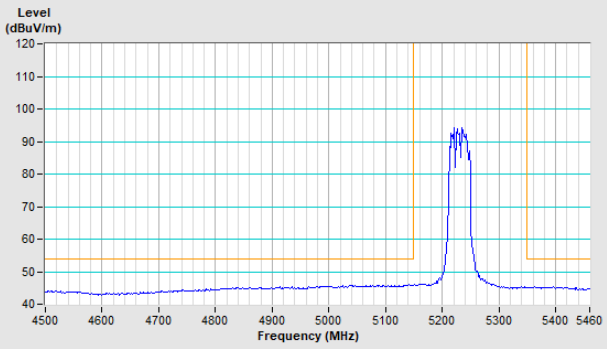
802.11a Channel 140	
Horizontal (Peak)	Vertical (Peak)
	

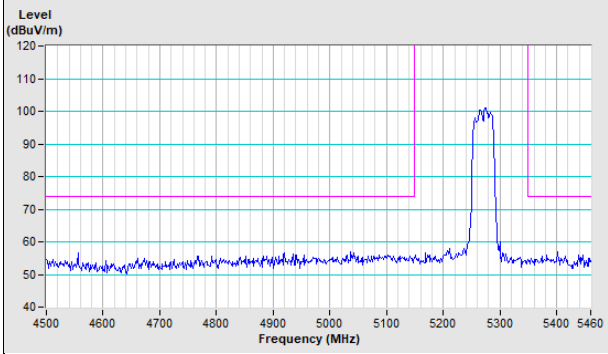
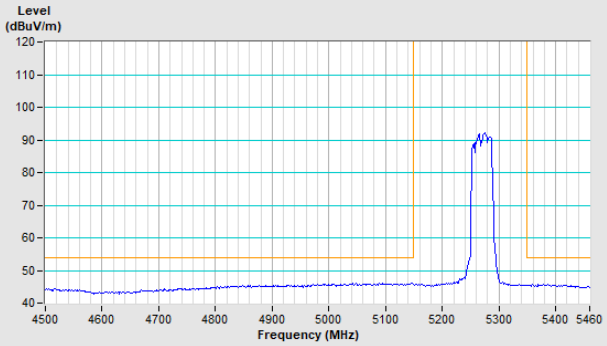
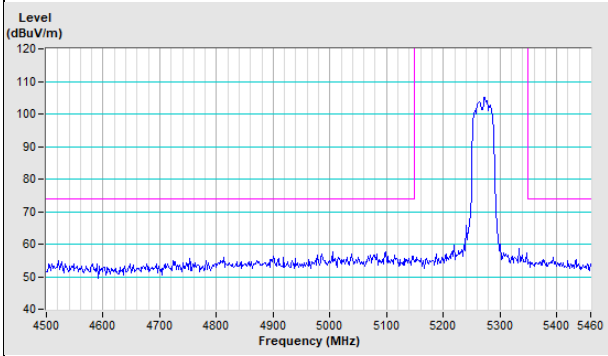
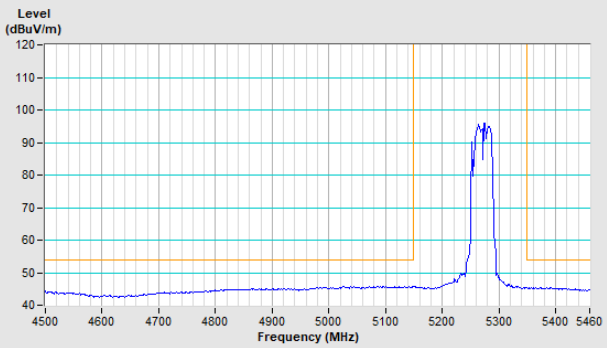
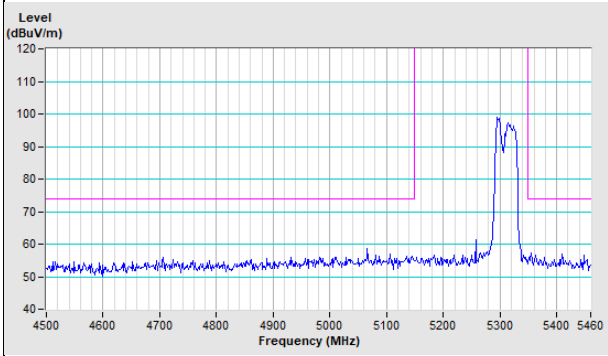
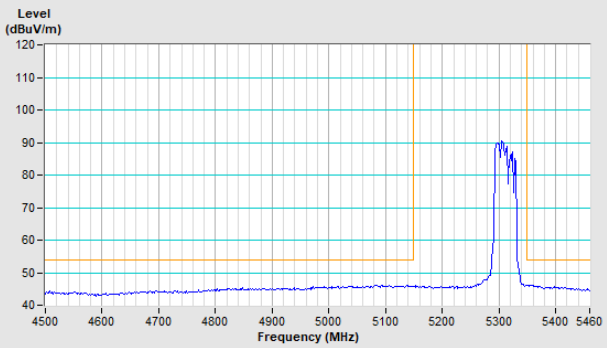
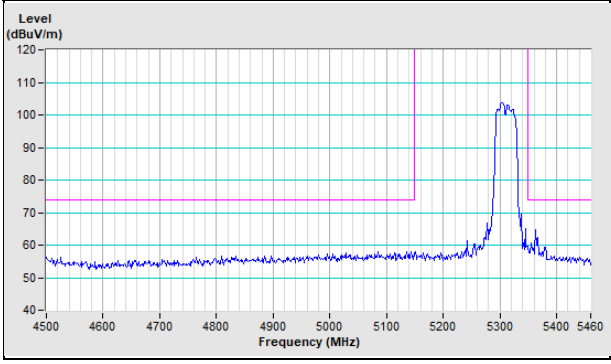
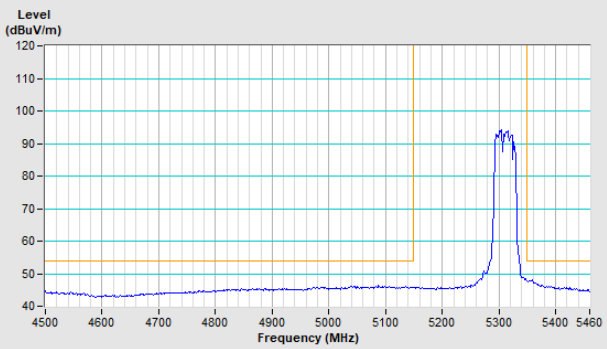
802.11n (HT20) Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11n (HT20) Channel 48	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

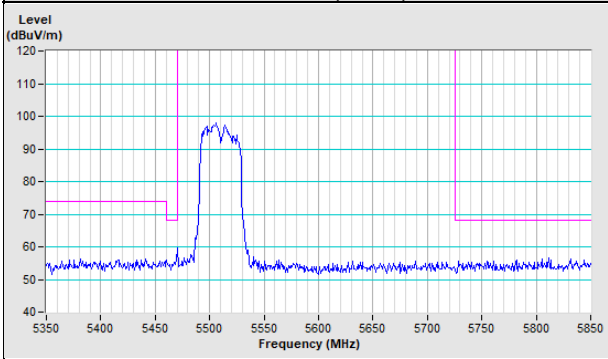
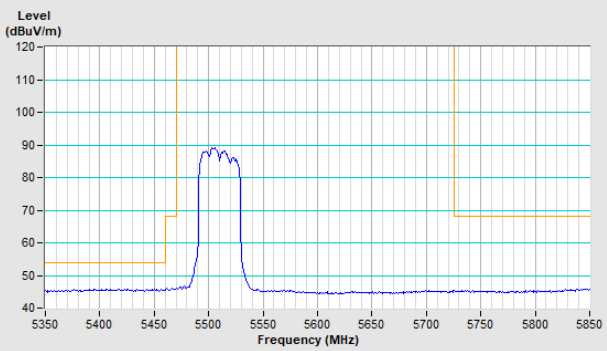
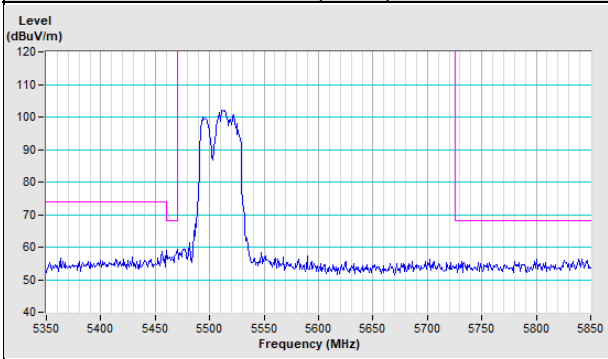
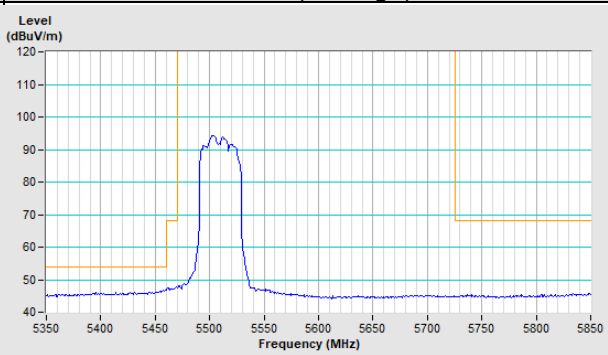
802.11n (HT20) Channel 52	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11n (HT20) Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

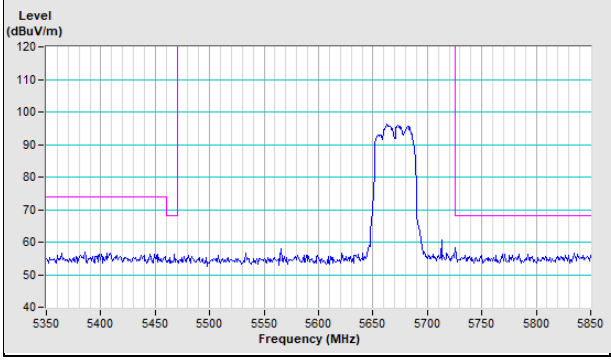
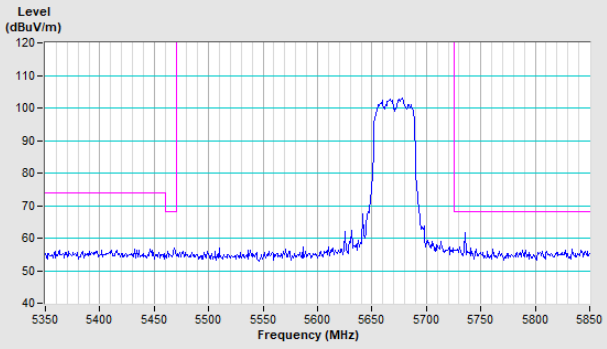
802.11n (HT20) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

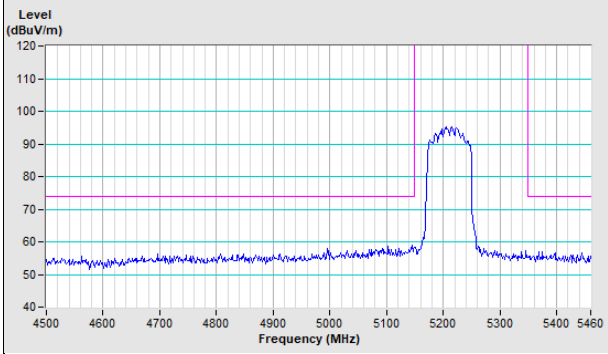
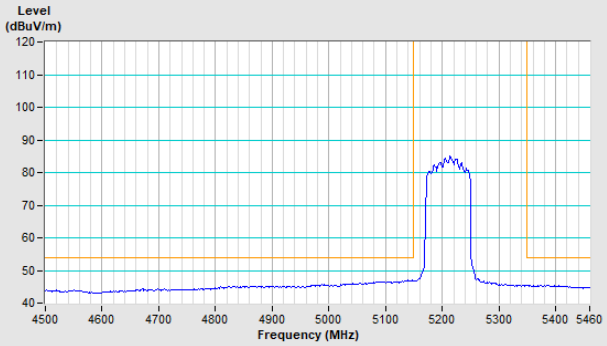
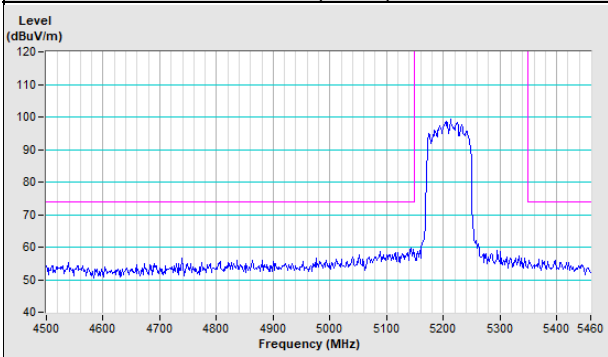
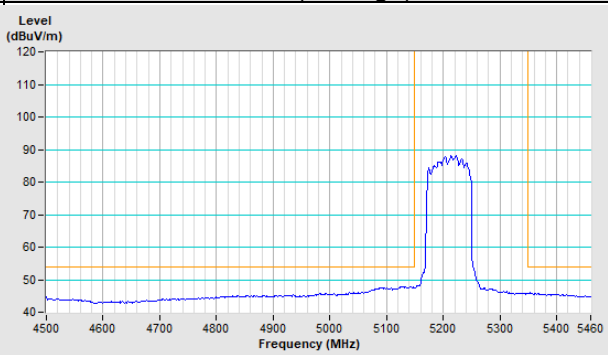
802.11n (HT20) Channel 140	
Horizontal (Peak)	Vertical (Peak)
	

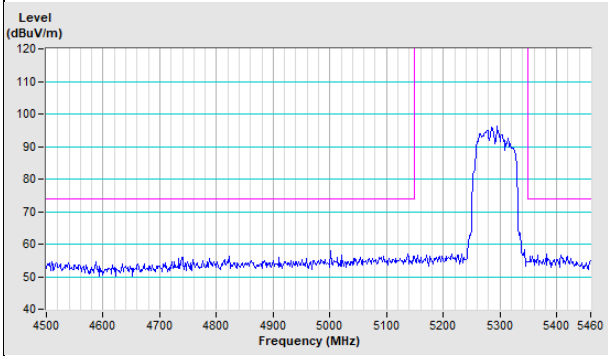
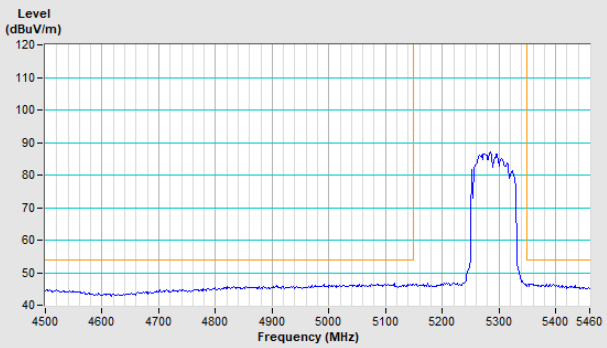
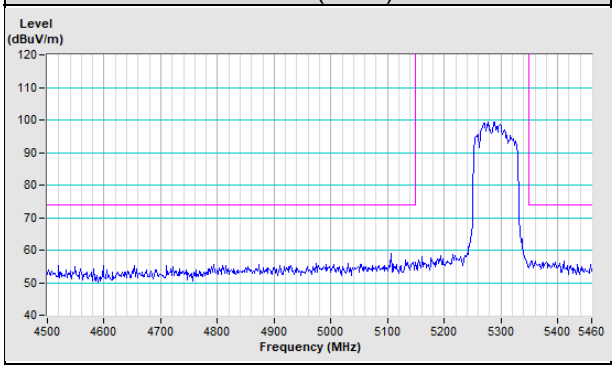
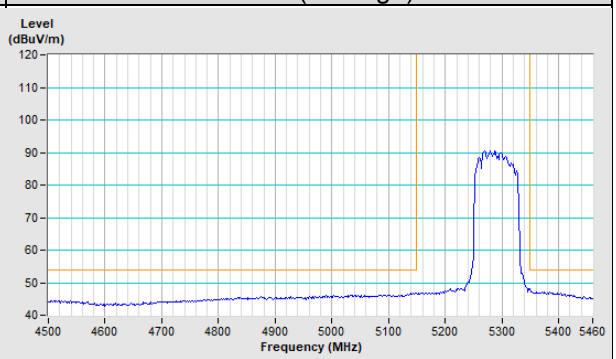
802.11n (HT40) Channel 38	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11n (HT40) Channel 46	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

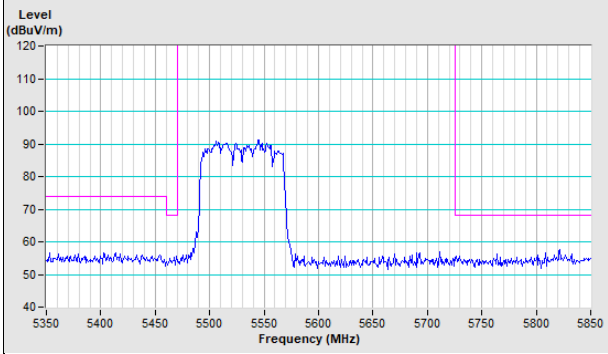
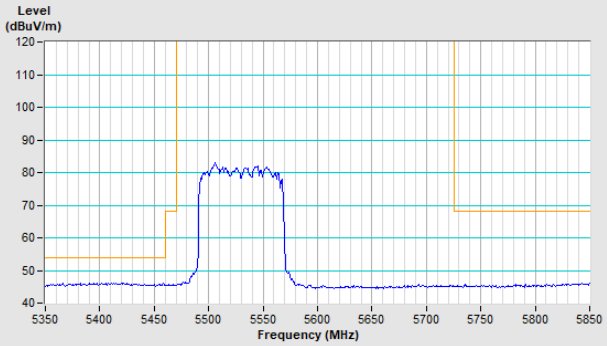
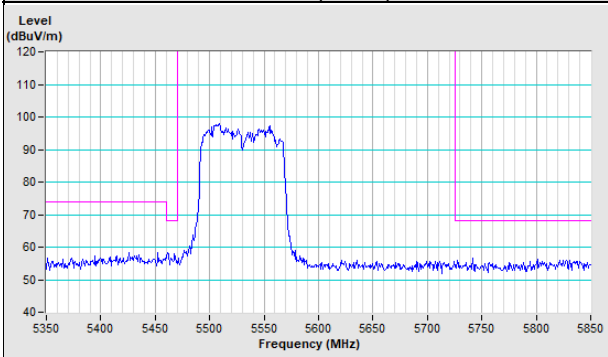
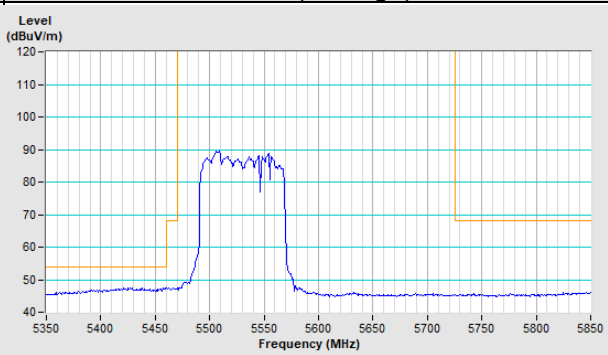
802.11n (HT40) Channel 54	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11n (HT40) Channel 62	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

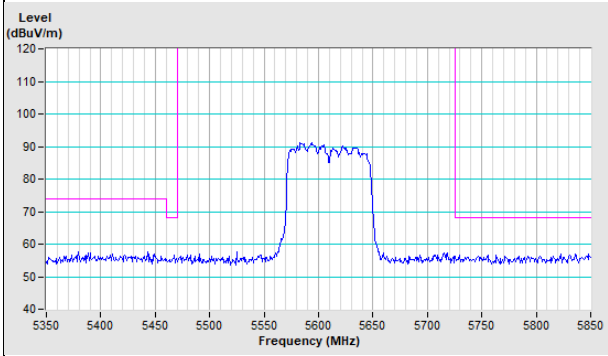
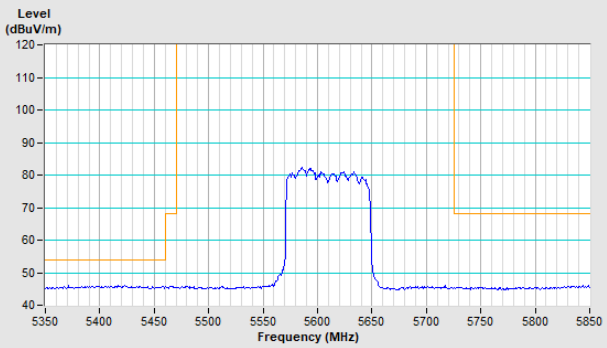
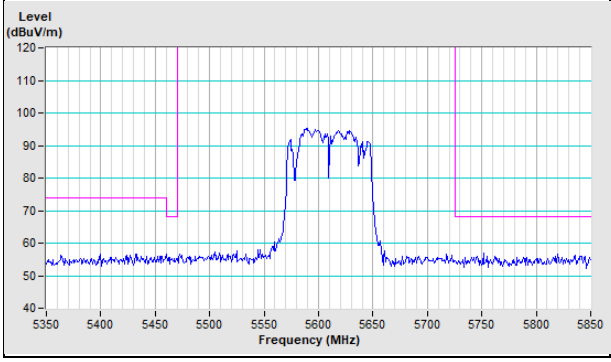
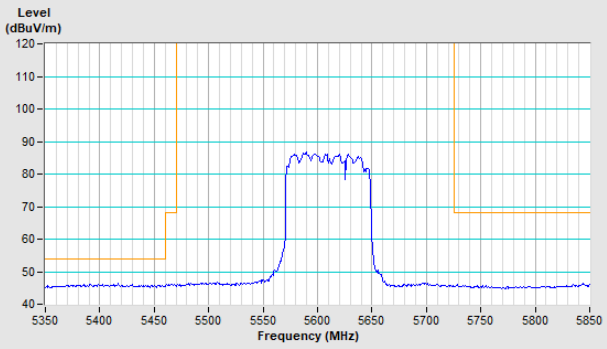
802.11n (HT40) Channel 102	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11n (HT40) Channel 134	
Horizontal (Peak)	Vertical (Peak)
	

802.11ac (VHT80) Channel 42	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ac (VHT80) Channel 58	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ac (VHT80) Channel 106	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ac (VHT80) Channel 122	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Appendix – Information of the Testing Laboratories

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

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Web Site: www.bureauveritas-adt.com

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

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