FCC Test Report

Report No.:	RFBHOX-WTW-P22010373-2
FCC ID:	A4R-G28DR
Test Model:	G28DR
Received Date:	Feb. 08, 2022
Test Date:	Feb. 08, 2022 ~ Mar. 11, 2022
Issued Date:	May 06, 2022
Applicant:	Google LLC
Address:	1600 Amphitheatre Parkway, Mountain View, CA 94043, USA
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

Table of Contents

Release Control Record

Issue No.	Description	Date Issued
RFBHOX-WTW-P22010373-2	Original Release	May 06, 2022

1 Certificate of Conformity

Product:	Wireless Device
Brand:	Google
Test Model:	G28DR
Sample Status:	Engineering Sample
Applicant:	Google LLC
Test Date:	Feb. 08, 2022 ~ Mar. 11, 2022
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 : Vera Huang , **Date:** May 06, 2022

Vera Huang / Specialist

Approved by : Jeremy Lin , **Date:** May 06, 2022

Jeremy Lin / 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)(9)	AC Power Conducted Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -15.90 dB at 0.56591 MHz.
15.407(b) (1/2/3/4(i/ii)/ 9)	Radiated Emissions & Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -1.51 dB at 5350.00 MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	Pass	Meet the requirement of limit.
---	Occupied Bandwidth Measurement	-	Reference only
15.407(a)(1/2/3)	Peak Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	No antenna connector is used.

Note:

1. For U-NII-3 band compliance with rule part 15.407(b)(4)(i), the OOBE test plots were recorded in Annex A.
2. For U-NII-1, U-NII-2A, U-NII-2C band compliance with rule 15.407(b) of the band-edge items, the test plots were recorded in Annex B. Test Procedures refer to report 4.1.3.
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	150 kHz ~ 30 MHz	2.79 dB
Radiated Emissions up to 1 GHz	9 kHz ~ 30 MHz	3.04 dB
	30 MHz ~ 200 MHz	2.93 dB
	200 MHz ~ 1000 MHz	2.95 dB
Radiated Emissions above 1 GHz	1 GHz ~ 18 GHz	2.26 dB
	18 GHz ~ 40 GHz	1.94 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Wireless Device
Brand	Google
Test Model	G28DR
Status of EUT	Engineering Sample
Power Supply Rating	5.0 Vdc (host equipment) 3.65 Vdc (Battery)
Modulation Type	256QAM, 64QAM, 16QAM, QPSK, BPSK
Modulation Technology	OFDM
Transfer Rate	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0 Mbps 802.11ac: up to 433.3 Mbps
Operating Frequency	5180 ~ 5240 MHz, 5260 ~ 5320 MHz, 5500 ~ 5720 MHz, 5745 ~ 5825 MHz
Number of Channel	5180 ~ 5240 MHz: 4 for 802.11a, 802.11ac (VHT20) 2 for 802.11ac (VHT40) 1 for 802.11ac (VHT80) 5260 ~ 5320 MHz: 4 for 802.11a, 802.11ac (VHT20) 2 for 802.11ac (VHT40) 1 for 802.11ac (VHT80) 5500 ~ 5720 MHz: 12 for 802.11a, 802.11ac (VHT20) 6 for 802.11ac (VHT40) 3 for 802.11ac (VHT80) 5745 ~ 5825 MHz: 5 for 802.11a, 802.11ac (VHT20) 2 for 802.11ac (VHT40) 1 for 802.11ac (VHT80)
Output Power	<Ant. 1> 149.968 mW for 5180 ~ 5240 MHz 159.588 mW for 5260 ~ 5320 MHz 155.597 mW for 5500 ~ 5720 MHz 165.959 mW for 5745 ~ 5825 MHz <Ant. 2> 111.686 mW for 5180 ~ 5240 MHz 164.437 mW for 5260 ~ 5320 MHz 140.773 mW for 5500 ~ 5720 MHz 165.959 mW for 5745 ~ 5825 MHz
Antenna Type	PIFA antenna
Antenna Connector	N/A
Accessory Device	N/A
Data Cable Supplied	N/A

Note:

1. The EUT provides 1 completed transmitter and 1 receiver.

Modulation Mode	Tx Function
802.11a	1TX
802.11ac (VHT20)	1TX
802.11ac (VHT40)	1TX
802.11ac (VHT80)	1TX

2. The antenna information is listed as below.

Frequency (MHz)	Antenna Peak Gain (dBi)			
	Primary Antenna (Ant. 2)		Diversity Antenna (Ant. 1)	
	Horizontal	Vertical	Horizontal	Vertical
5200	2.35	1.71	2.16	3.18
5300	1.02	2.64	2.16	3.09
5600	3.39	4.34	1.58	3.16
5800	3	3.88	1.57	3.25

3. The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.
4. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Description of Test Modes

For 5180 ~ 5240 MHz

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

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

2 channels are provided for 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency (MHz)
42	5210

For 5260 ~ 5320 MHz

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

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

2 channels are provided for 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270	62	5310

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency (MHz)
58	5290

For 5500 ~ 5720 MHz

12 channels are provided for 802.11a, 802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	124	5620
104	5520	128	5640
108	5540	132	5660
112	5560	136	5680
116	5580	140	5700
120	5600	144	5720

6 channels are provided for 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510	126	5630
110	5550	134	5670
118	5590	142	5710

3 channels are provided for 802.11ac (VHT80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
106	5530	138	5690
122	5610		

For 5745 ~ 5825 MHz:

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

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

2 channels are provided for 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	159	5795

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency (MHz)
155	5775

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable To				Description
	RE≥1G	RE<1G	PLC	APCM	
-	√	√	√	√	-

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

Note:
1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.
2. For radiated emission (below 1GHz) and power line conducted emission test items chosen the worst maximum power.

Radiated Emission Test (Above 1 GHz):

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

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

EUT Configure Mode	Frequency Band (MHz)	Mode	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
-	5180-5240	802.11a	36 to 48	36, 40, 48	OFDM	6.0
-		802.11ac (VHT20)	36 to 48	36, 40, 48	OFDM	7.2
-		802.11ac (VHT40)	38 to 46	38, 46	OFDM	15.0
-		802.11ac (VHT80)	42	42	OFDM	29.3
-	5260-5320	802.11a	52 to 64	52, 60, 64	OFDM	6.0
-		802.11ac (VHT20)	52 to 64	52, 60, 64	OFDM	7.2
-		802.11ac (VHT40)	54 to 62	54, 62	OFDM	15.0
-		802.11ac (VHT80)	58	58	OFDM	29.3
-	5500-5720	802.11a	100 to 144	100, 116, 132, 136, 140, 144	OFDM	6.0
-		802.11ac (VHT20)	100 to 144	100, 116, 132, 136, 140, 144	OFDM	7.2
-		802.11ac (VHT40)	102 to 142	102, 110, 134, 142	OFDM	15.0
-		802.11ac (VHT80)	106 to 138	106, 122, 138	OFDM	29.3
-	5745-5825	802.11a	149 to 165	149, 157, 165	OFDM	6.0
-		802.11ac (VHT20)	149 to 165	149, 157, 165	OFDM	7.2
-		802.11ac (VHT40)	151 to 159	151, 159	OFDM	15.0
-		802.11ac (VHT80)	155	155	OFDM	29.3

Radiated Emission Test (Below 1 GHz):

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

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

EUT Configure Mode	Frequency Band (MHz)	Mode	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
-	5745-5825	802.11ac (VHT20)	149 to 165	157	OFDM	7.2

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	Frequency Band (MHz)	Mode	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
-	5745-5825	802.11ac (VHT20)	149 to 165	157	OFDM	7.2

Antenna Port Conducted Measurement:

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

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

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

EUT Configure Mode	Frequency Band (MHz)	Mode	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
-	5180-5240	802.11a	36 to 48	36, 40, 48	OFDM	6.0
-		802.11ac (VHT20)	36 to 48	36, 40, 48	OFDM	7.2
-		802.11ac (VHT40)	38 to 46	38, 46	OFDM	15.0
-		802.11ac (VHT80)	42	42	OFDM	29.3
-	5260-5320	802.11a	52 to 64	52, 60, 64	OFDM	6.0
-		802.11ac (VHT20)	52 to 64	52, 60, 64	OFDM	7.2
-		802.11ac (VHT40)	54 to 62	54, 62	OFDM	15.0
-		802.11ac (VHT80)	58	58	OFDM	29.3
-	5500-5720	802.11a	100 to 144	100, 116, 132, 136, 140, 144	OFDM	6.0
-		802.11ac (VHT20)	100 to 144	100, 116, 132, 136, 140, 144	OFDM	7.2
-		802.11ac (VHT40)	102 to 142	102, 110, 134, 142	OFDM	15.0
-		802.11ac (VHT80)	106 to 138	106, 122, 138	OFDM	29.3
-	5745-5825	802.11a	149 to 165	149, 157, 165	OFDM	6.0
-		802.11ac (VHT20)	149 to 165	149, 157, 165	OFDM	7.2
-		802.11ac (VHT40)	151 to 159	151, 159	OFDM	15.0
-		802.11ac (VHT80)	155	155	OFDM	29.3

Test Condition:

Applicable To	Environmental Conditions	Input Power	Tested by
RE≥1G	21 deg. C, 71 % RH	120 Vac, 60 Hz	Tim Chen
RE<1G	21 deg. C, 71 % RH	120 Vac, 60 Hz	Thomas Cheng
PLC	18 deg. C, 63 % RH	120 Vac, 60 Hz	Thomas Cheng
APCM	23 deg. C, 68 % RH	120 Vac, 60 Hz	Ivan Tseng

3.3 Duty Cycle of Test Signal

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

Ant. 1

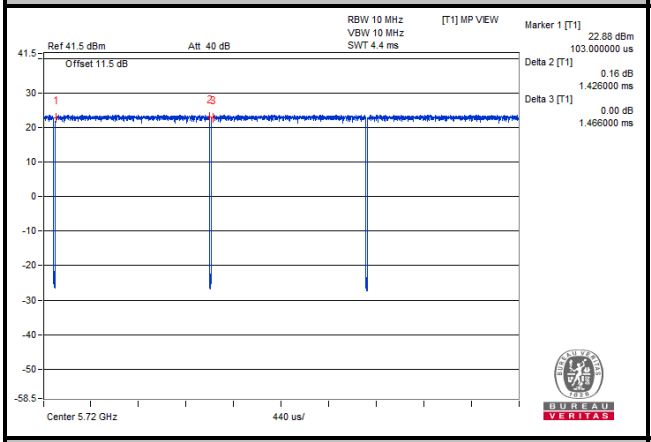
802.11a: Duty cycle = 1.426/1.466 = 0.973, Duty factor = 10 * log(1/0.973) = 0.12

802.11ac (VHT20): Duty cycle = 1.343/1.445 = 0.929, Duty factor = 10 * log(1/0.929) = 0.32

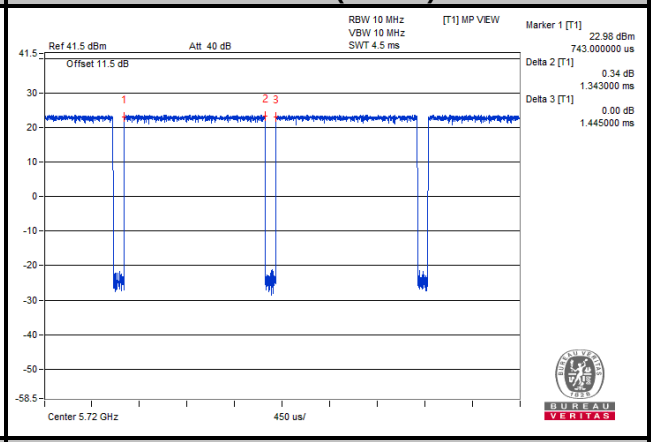
802.11ac (VHT40): Duty cycle = 0.668/0.772 = 0.865, Duty factor = 10 * log(1/0.865) = 0.63

802.11ac (VHT80): Duty cycle = 0.128/0.231 = 0.554, Duty factor = 10 * log(1/0.554) = 2.56

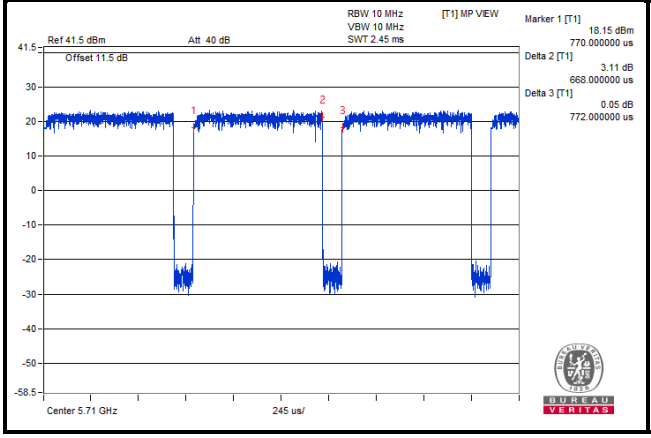
802.11a



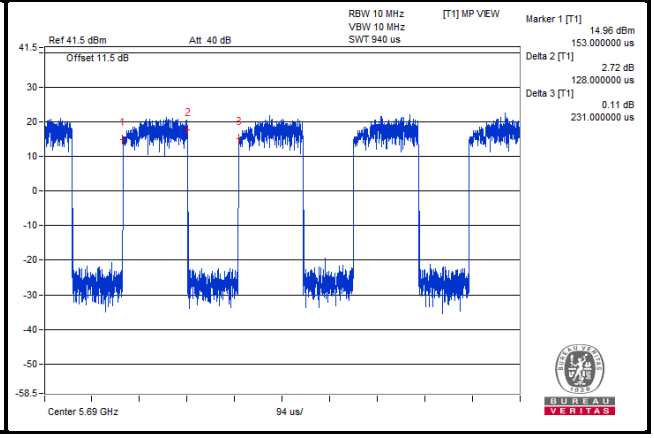
802.11ac (VHT20)



802.11ac (VHT40)



802.11ac (VHT80)



Ant. 2

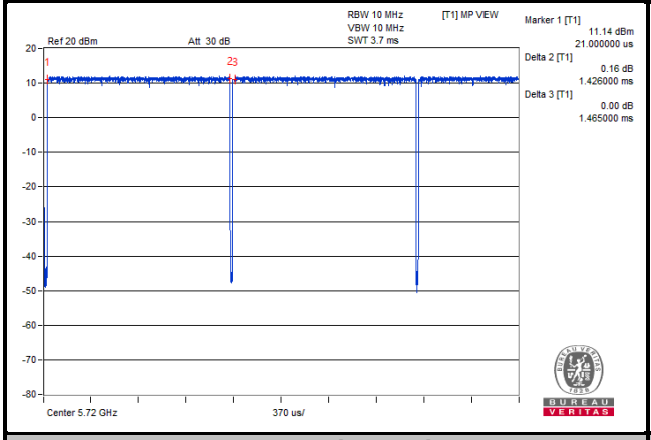
802.11a: Duty cycle = 1.426/1.465 = 0.973, Duty factor = 10 * log(1/0.973) = 0.12

802.11ac (VHT20): Duty cycle = 1.344/1.447 = 0.929, Duty factor = 10 * log(1/0.929) = 0.32

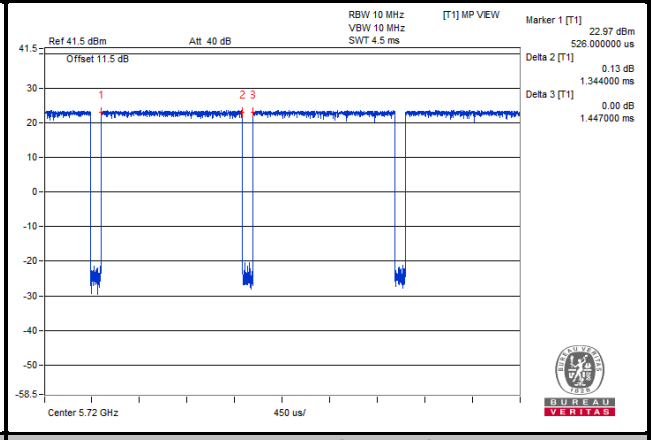
802.11ac (VHT40): Duty cycle = 0.668/0.77 = 0.868, Duty factor = 10 * log(1/0.868) = 0.62

802.11ac (VHT80): Duty cycle = 0.128/0.23 = 0.557, Duty factor = 10 * log(1/0.557) = 2.55

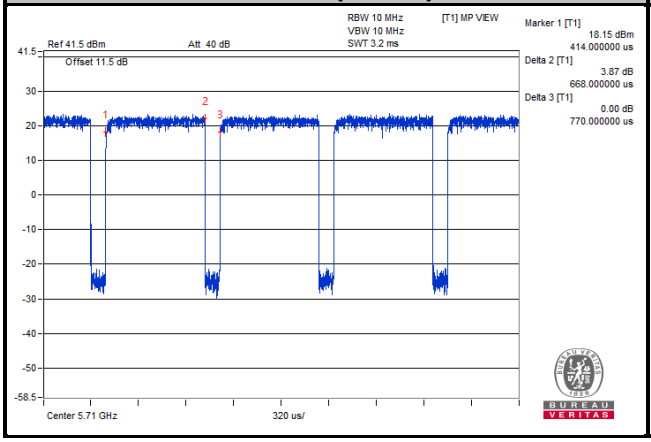
802.11a



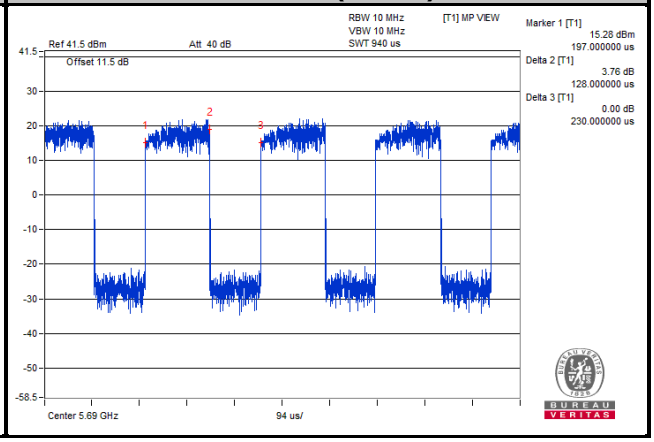
802.11ac (VHT20)



802.11ac (VHT40)



802.11ac (VHT80)



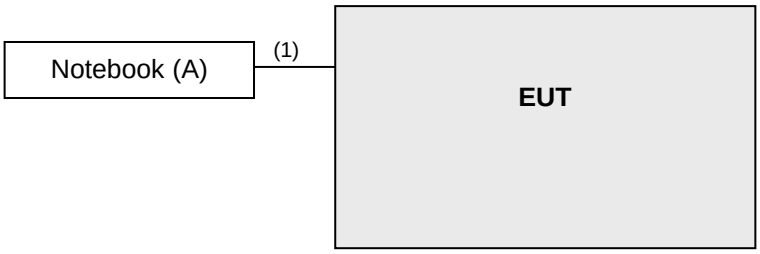
3.4 Description of Support Units

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

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Notebook	DELL	Inspiron 14R	8LRKKW1	N/A	--

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	USB Cable	1	1.5	Y	0	--

3.4.1 Configuration of System under Test



3.5 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

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 1000 MHz, 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 20 dB under any condition of modulation.

Limits of Unwanted Emission Out of the Restricted Bands

Applicable To			Limit	
789033 D02 General UNII Test Procedures New Rules v02r01			Field Strength at 3 m	
			PK: 74 (dBμV/m)	AV: 54 (dBμV/m)
Frequency Band	**Applicable To**		**EIRP Limit**	**Equivalent Field Strength at 3 m**
5150~5250 MHz	15.407(b)(1)		PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
5250~5350 MHz	15.407(b)(2)			
5470~5725 MHz	15.407(b)(3)			
5725~5850 MHz	☒	15.407(b)(4)(i)	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2 (dBμV/m) *1 PK:105.2 (dBμV/m) *2 PK: 110.8 (dBμV/m) *3 PK:122.2 (dBμV/m) *4
	☐	15.407(b)(4)(ii)	Emission limits in section 15.247(d)	

*1 beyond 75 MHz or more above of the band edge.

*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Note:

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

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

4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Spectrum Analyzer Agilent	N9038A	MY51210203	Sep. 22, 2021	Sep. 21, 2022
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Apr. 12, 2021	Apr. 11, 2022
HORN Antenna SCHWARZBECK	BBHA 9170	9170-480	Nov. 14, 2021	Nov. 13, 2022
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-969	Nov. 14, 2021	Nov. 13, 2022
BILOG Antenna SCHWARZBECK	VULB 9168	9168-472	Oct. 28, 2021	Oct. 27, 2022
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	Apr. 13, 2021	Apr. 12, 2022
Loop Antenna	EM-6879	269	Sep. 16, 2021	Sep. 15, 2022
Preamplifier EMCI	EMC001340	980201	Sep. 15, 2021	Sep. 14, 2022
Preamplifier EMCI	EMC 012645	980115	Oct. 05, 2021	Oct. 04, 2022
Preamplifier EMCI	EMC 330H	980112	Oct. 05, 2021	Oct. 04, 2022
Power Meter Anritsu	ML2495A	1012010	Sep. 09, 2021	Sep. 08, 2022
Power Sensor Anritsu	MA2411B	1315050	Sep. 09, 2021	Sep. 08, 2022
RF Coaxial Cable EMCI	EMC104-SM-SM-8000	171005	Oct. 05, 2021	Oct. 04, 2022
RF Coaxial Cable HUBER+SUHNNER	SUCOFLEX 104	EMC104-SM-SM-1000(140807)	Oct. 05, 2021	Oct. 04, 2022
RF Coaxial Cable WOKEN	8D-FB	Cable-Ch10-01	Oct. 05, 2021	Oct. 04, 2022
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Software BV ADT	E3 6.120103	NA	NA	NA
Antenna Tower MF	MFA-440H	NA	NA	NA
Turn Table MF	MFT-201SS	NA	NA	NA
Antenna Tower &Turn Table Controller MF	MF-7802	NA	NA	NA
Peak Power Analyzer KEYSIGHT	8990B	MY51000485	Jan. 18, 2022	Jan. 17, 2023
Wideband Power Sensor KEYSIGHT	N1923A	MY58020002	Jan. 17, 2022	Jan. 16, 2023

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 10.

4.1.3 Test Procedures

For Radiated Emission below 30 MHz

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 9 kHz at frequency below 30 MHz.

For Radiated Emission above 30 MHz

a. The EUT was placed on the top of a rotating table 0.8 meters (for 30 MHz ~ 1 GHz) / 1.5 meters (for above 1 GHz) 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 detected 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:

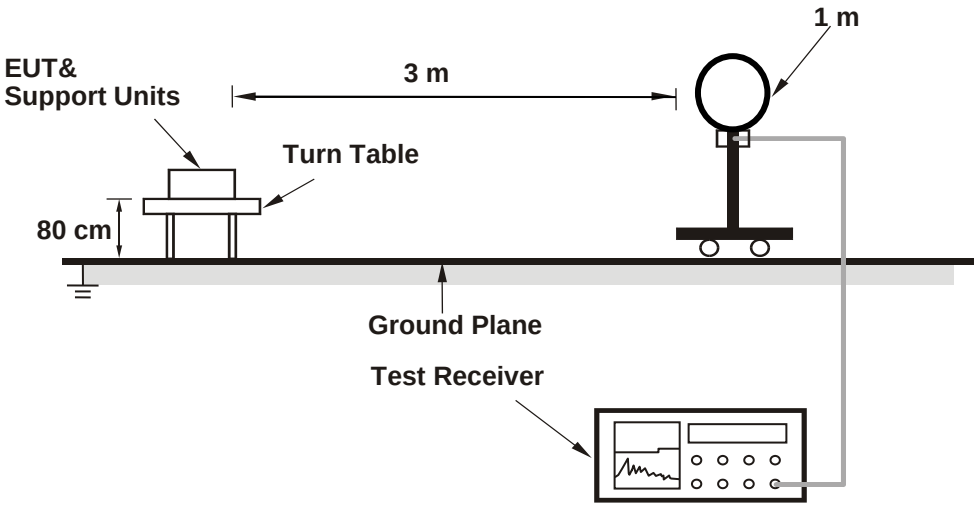
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98 %) or 10 Hz (Duty cycle ≥ 98 %) for Average detection (AV) at frequency above 1 GHz. (**Ant 1:** 11a: RBW = 1 MHz, VBW = 1 kHz ; 11ac (VHT20): RBW = 1 MHz, VBW = 1 kHz ; 11ac (VHT40): RBW = 1 MHz, VBW = 3 kHz ; 11ac (VHT80): RBW = 1 MHz, VBW = 10 kHz; **Ant 2:** 11a: RBW = 1 MHz, VBW = 1 kHz ; 11ac (VHT20): RBW = 1 MHz, VBW = 1 kHz ; 11ac (VHT40): RBW = 1 MHz, VBW = 3 kHz ; 11ac (VHT80): RBW = 1 MHz, VBW = 10 kHz)
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

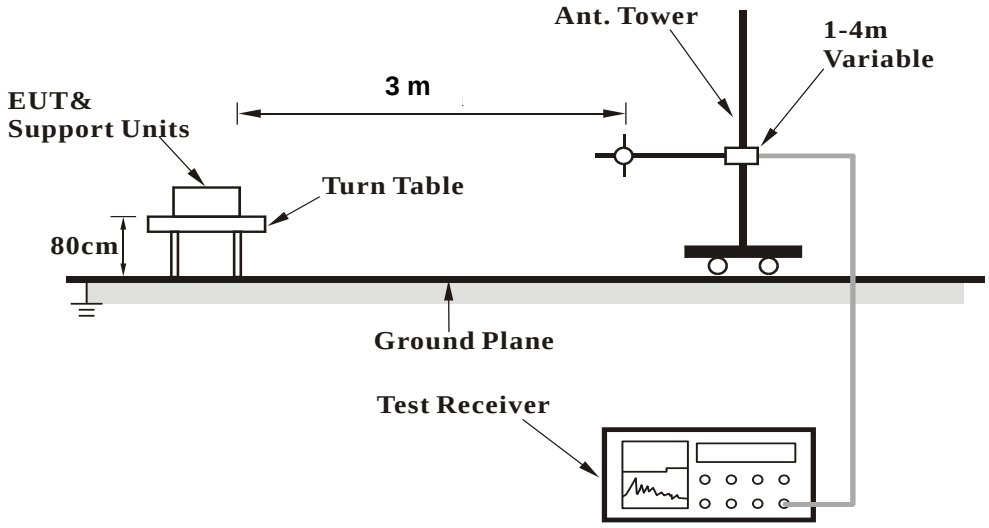
No deviation.

4.1.5 Test Setup

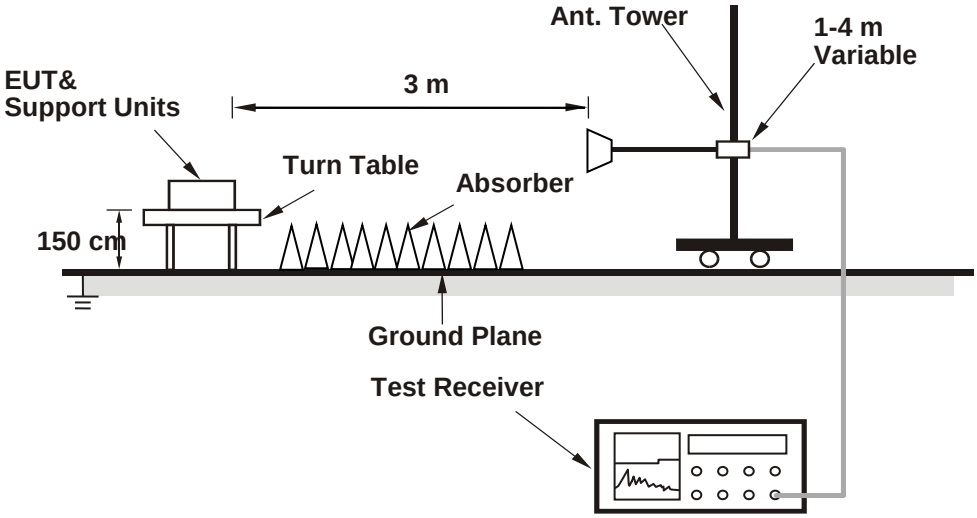
<Radiated Emission below 30 MHz>



<Radiated Emission 30 MHz to 1 GHz>



<Radiated Emission above 1 GHz>



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

4.1.6 EUT Operating Conditions

a. Placed the EUT on a testing table.
b. Use the software to control the EUT under transmission condition continuously at specific channel frequency.

4.1.7 Test Results

Above 1 GHz Data：

Ant. 1

RF Mode	TX 802.11a	Channel	CH 36：5180 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.70 PK	74.00	-10.30	2.14 H	13	80.42	-16.72
2	5150.00	52.38 AV	54.00	-1.62	2.14 H	13	69.10	-16.72
3	*5180.00	107.91 PK			2.14 H	13	71.59	36.32
4	*5180.00	98.57 AV			2.14 H	13	62.25	36.32
5	#10360.00	54.21 PK	68.20	-13.99	2.36 H	21	58.37	-4.16
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.46 PK	74.00	-10.54	1.98 V	245	80.18	-16.72
2	5150.00	52.48 AV	54.00	-1.52	1.98 V	245	69.20	-16.72
3	*5180.00	106.73 PK			1.98 V	245	70.41	36.32
4	*5180.00	99.43 AV			1.98 V	245	63.11	36.32
5	#10360.00	54.88 PK	68.20	-13.32	3.23 V	145	59.04	-4.16

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 40：5200 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.84 PK	74.00	-12.16	2.13 H	17	78.56	-16.72
2	5150.00	48.87 AV	54.00	-5.13	2.13 H	17	65.59	-16.72
3	*5200.00	111.59 PK			2.13 H	17	75.25	36.34
4	*5200.00	99.24 AV			2.13 H	17	62.90	36.34
5	#10400.00	55.89 PK	68.20	-12.31	2.11 H	100	59.83	-3.94
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.05 PK	74.00	-13.95	1.83 V	270	76.77	-16.72
2	5150.00	48.27 AV	54.00	-5.73	1.83 V	270	64.99	-16.72
3	*5200.00	110.68 PK			1.83 V	270	74.34	36.34
4	*5200.00	99.12 AV			1.83 V	270	62.78	36.34
5	#10400.00	55.47 PK	68.20	-12.73	3.02 V	19	59.41	-3.94

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11a	Channel	CH 48：5240 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	112.13 PK			2.25 H	20	75.86	36.27
2	*5240.00	100.76 AV			2.25 H	20	64.49	36.27
3	5350.00	50.28 PK	74.00	-23.72	2.25 H	20	66.81	-16.53
4	5350.00	40.26 AV	54.00	-13.74	2.25 H	20	56.79	-16.53
5	#10480.00	55.36 PK	68.20	-12.84	3.97 H	136	59.28	-3.92
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	111.84 PK			1.91 V	271	75.57	36.27
2	*5240.00	99.67 AV			1.91 V	271	63.40	36.27
3	5350.00	49.92 PK	74.00	-24.08	1.91 V	271	66.45	-16.53
4	5350.00	40.70 AV	54.00	-13.30	1.91 V	271	57.23	-16.53
5	#10480.00	56.50 PK	68.20	-11.70	3.20 V	241	60.42	-3.92

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11a	Channel	CH 52：5260 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	112.10 PK			2.21 H	21	75.89	36.21
2	*5260.00	100.52 AV			2.21 H	21	64.31	36.21
3	5350.00	51.77 PK	74.00	-22.23	2.21 H	21	68.30	-16.53
4	5350.00	41.74 AV	54.00	-12.26	2.21 H	21	58.27	-16.53
5	#10520.00	56.85 PK	68.20	-11.35	2.61 H	23	60.74	-3.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	111.97 PK			1.87 V	271	75.76	36.21
2	*5260.00	100.14 AV			1.87 V	271	63.93	36.21
3	5350.00	54.44 PK	74.00	-19.56	1.87 V	271	70.97	-16.53
4	5350.00	41.26 AV	54.00	-12.74	1.87 V	271	57.79	-16.53
5	#10520.00	56.28 PK	68.20	-11.92	1.51 V	158	60.17	-3.89

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 60：5300 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	111.98 PK			2.20 H	81	75.88	36.10
2	*5300.00	104.65 AV			2.20 H	81	68.55	36.10
3	5350.00	69.73 PK	74.00	-4.27	2.20 H	81	86.26	-16.53
4	5350.00	52.36 AV	54.00	-1.64	2.20 H	81	68.89	-16.53
5	10600.00	55.85 PK	74.00	-18.15	1.42 H	166	59.63	-3.78
6	10600.00	44.49 AV	54.00	-9.51	1.42 H	166	48.27	-3.78
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	108.33 PK			1.92 V	342	72.23	36.10
2	*5300.00	100.96 AV			1.92 V	342	64.86	36.10
3	5350.00	65.26 PK	74.00	-8.74	1.92 V	342	81.79	-16.53
4	5350.00	49.13 AV	54.00	-4.87	1.92 V	342	65.66	-16.53
5	10600.00	56.56 PK	74.00	-17.44	1.86 V	203	60.34	-3.78
6	10600.00	45.47 AV	54.00	-8.53	1.86 V	203	49.25	-3.78

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11a	Channel	CH 64：5320 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	108.90 PK			2.19 H	78	72.76	36.14
2	*5320.00	101.57 AV			2.19 H	78	65.43	36.14
3	5350.00	64.74 PK	74.00	-9.26	2.19 H	78	81.27	-16.53
4	5350.00	52.33 AV	54.00	-1.67	2.19 H	78	68.86	-16.53
5	10640.00	56.06 PK	74.00	-17.94	1.36 H	107	59.73	-3.67
6	10640.00	45.41 AV	54.00	-8.59	1.36 H	107	49.08	-3.67
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	105.28 PK			2.10 V	341	69.14	36.14
2	*5320.00	97.78 AV			2.10 V	341	61.64	36.14
3	5350.00	61.63 PK	74.00	-12.37	2.10 V	341	78.16	-16.53
4	5350.00	48.69 AV	54.00	-5.31	2.10 V	341	65.22	-16.53
5	10640.00	57.00 PK	74.00	-17.00	1.07 V	306	60.67	-3.67
6	10640.00	45.48 AV	54.00	-8.52	1.07 V	306	49.15	-3.67

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 100：5500 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.70 PK	74.00	-11.30	1.96 H	240	78.81	-16.11
2	5460.00	48.96 AV	54.00	-5.04	1.96 H	240	65.07	-16.11
3	#5470.00	65.04 PK	68.20	-3.16	1.96 H	240	81.15	-16.11
4	*5500.00	109.21 PK			1.96 H	241	72.67	36.54
5	*5500.00	99.35 AV			1.96 H	241	62.81	36.54
6	11000.00	55.57 PK	74.00	-18.43	1.08 H	146	59.23	-3.66
7	11000.00	45.40 AV	54.00	-8.60	1.08 H	146	49.06	-3.66
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.00 PK	74.00	-14.00	2.24 V	348	76.11	-16.11
2	5460.00	48.32 AV	54.00	-5.68	2.24 V	348	64.43	-16.11
3	#5470.00	62.60 PK	68.20	-5.60	2.24 V	348	78.71	-16.11
4	*5500.00	106.60 PK			2.24 V	348	70.06	36.54
5	*5500.00	99.15 AV			2.24 V	348	62.61	36.54
6	11000.00	55.98 PK	74.00	-18.02	2.03 V	86	59.64	-3.66
7	11000.00	45.99 AV	54.00	-8.01	2.03 V	86	49.65	-3.66

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11a	Channel	CH 116：5580 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	50.83 PK	74.00	-23.17	2.14 H	79	66.94	-16.11
2	5460.00	40.16 AV	54.00	-13.84	2.14 H	79	56.27	-16.11
3	#5470.00	53.32 PK	68.20	-14.88	2.14 H	79	69.43	-16.11
4	*5580.00	110.32 PK			2.14 H	79	73.66	36.66
5	*5580.00	102.97 AV			2.14 H	79	66.31	36.66
6	#5725.00	51.89 PK	68.20	-16.31	2.14 H	79	67.51	-15.62
7	11160.00	56.86 PK	74.00	-17.14	1.53 H	20	60.41	-3.55
8	11160.00	45.73 AV	54.00	-8.27	1.53 H	20	49.28	-3.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	50.21 PK	74.00	-23.79	1.86 V	343	66.32	-16.11
2	5460.00	39.63 AV	54.00	-14.37	1.86 V	343	55.74	-16.11
3	#5470.00	52.67 PK	68.20	-15.53	1.86 V	343	68.78	-16.11
4	*5580.00	108.83 PK			1.86 V	343	72.17	36.66
5	*5580.00	101.48 AV			1.86 V	343	64.82	36.66
6	#5725.00	51.67 PK	68.20	-16.53	1.86 V	343	67.29	-15.62
7	11160.00	56.18 PK	74.00	-17.82	1.43 V	277	59.73	-3.55
8	11160.00	45.22 AV	54.00	-8.78	1.43 V	277	48.77	-3.55

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11a	Channel	CH 132：5660 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5660.00	110.65 PK			2.22 H	0	73.74	36.91
2	*5660.00	103.25 AV			2.22 H	0	66.34	36.91
3	#5725.00	61.02 PK	68.20	-7.18	2.22 H	0	76.64	-15.62
4	11320.00	56.24 PK	74.00	-17.76	1.47 H	324	59.29	-3.05
5	11320.00	45.98 AV	54.00	-8.02	1.47 H	324	49.03	-3.05
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5660.00	107.46 PK			2.26 V	342	70.55	36.91
2	*5660.00	100.05 AV			2.26 V	342	63.14	36.91
3	#5725.00	59.52 PK	68.20	-8.68	2.26 V	342	75.14	-15.62
4	11320.00	56.37 PK	74.00	-17.63	2.84 V	341	59.42	-3.05
5	11320.00	46.14 AV	54.00	-7.86	2.84 V	341	49.19	-3.05

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 136：5680 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5680.00	109.60 PK			2.10 H	348	72.60	37.00
2	*5680.00	102.26 AV			2.10 H	348	65.26	37.00
3	#5725.00	66.62 PK	68.20	-1.58	2.10 H	348	82.24	-15.62
4	11360.00	57.70 PK	74.00	-16.30	3.21 H	22	60.45	-2.75
5	11360.00	45.85 AV	54.00	-8.15	3.21 H	22	48.60	-2.75
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5680.00	106.78 PK			2.18 V	347	69.78	37.00
2	*5680.00	99.58 AV			2.18 V	347	62.58	37.00
3	#5725.00	66.16 PK	68.20	-2.04	2.18 V	347	81.78	-15.62
4	11360.00	57.64 PK	74.00	-16.36	2.93 V	61	60.39	-2.75
5	11360.00	46.36 AV	54.00	-7.64	2.93 V	61	49.11	-2.75

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11a	Channel	CH 140：5700 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	106.86 PK			1.90 H	242	69.78	37.08
2	*5700.00	98.44 AV			1.90 H	242	61.36	37.08
3	#5725.00	66.16 PK	68.20	-2.04	1.90 H	242	81.78	-15.62
4	11400.00	57.79 PK	74.00	-16.21	1.43 H	216	60.25	-2.46
5	11400.00	46.92 AV	54.00	-7.08	1.43 H	216	49.38	-2.46
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	103.40 PK			2.20 V	343	66.32	37.08
2	*5700.00	96.40 AV			2.20 V	343	59.32	37.08
3	#5725.00	64.68 PK	68.20	-3.52	2.20 V	343	80.30	-15.62
4	11400.00	57.51 PK	74.00	-16.49	1.01 V	304	59.97	-2.46
5	11400.00	46.91 AV	54.00	-7.09	1.01 V	304	49.37	-2.46

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 144：5720 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	110.37 PK			2.09 H	80	73.32	37.05
2	*5720.00	102.82 AV			2.09 H	80	65.77	37.05
3	#5850.00	53.81 PK	68.20	-14.39	2.09 H	80	69.27	-15.46
4	11440.00	56.26 PK	74.00	-17.74	2.21 H	159	58.76	-2.50
5	11440.00	45.79 AV	54.00	-8.21	2.21 H	159	48.29	-2.50
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	109.68 PK			2.01 V	334	72.63	37.05
2	*5720.00	102.28 AV			2.01 V	334	65.23	37.05
3	#5828.00	53.04 PK	68.20	-15.16	2.01 V	334	68.64	-15.60
4	11440.00	55.53 PK	74.00	-18.47	1.72 V	53	58.03	-2.50
5	11440.00	45.84 AV	54.00	-8.16	1.72 V	53	48.34	-2.50

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 149：5745 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	110.82 PK			2.15 H	82	73.82	37.00
2	*5745.00	103.24 AV			2.15 H	82	66.24	37.00
3	11490.00	56.58 PK	74.00	-17.42	1.07 H	299	59.13	-2.55
4	11490.00	46.21 AV	54.00	-7.79	1.07 H	299	48.76	-2.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	109.46 PK			2.07 V	329	72.46	37.00
2	*5745.00	101.84 AV			2.07 V	329	64.84	37.00
3	11490.00	57.18 PK	74.00	-16.82	1.68 V	155	59.73	-2.55
4	11490.00	46.54 AV	54.00	-7.46	1.68 V	155	49.09	-2.55

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11a	Channel	CH 157：5785 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	110.93 PK			2.06 H	80	73.94	36.99
2	*5785.00	102.95 AV			2.06 H	80	65.96	36.99
3	11570.00	56.23 PK	74.00	-17.77	2.03 H	143	59.08	-2.85
4	11570.00	46.29 AV	54.00	-7.71	2.03 H	143	49.14	-2.85
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	109.72 PK			2.11 V	328	72.73	36.99
2	*5785.00	102.44 AV			2.11 V	328	65.45	36.99
3	11570.00	56.89 PK	74.00	-17.11	1.29 V	72	59.74	-2.85
4	11570.00	46.40 AV	54.00	-7.60	1.29 V	72	49.25	-2.85

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11a	Channel	CH 165：5825 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	110.38 PK			2.14 H	84	73.19	37.19
2	*5825.00	102.81 AV			2.14 H	84	65.62	37.19
3	11650.00	55.17 PK	74.00	-18.83	1.73 H	228	58.42	-3.25
4	11650.00	46.03 AV	54.00	-7.97	1.73 H	228	49.28	-3.25
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	108.58 PK			1.99 V	325	71.39	37.19
2	*5825.00	101.64 AV			1.99 V	325	64.45	37.19
3	11650.00	56.43 PK	74.00	-17.57	1.01 V	71	59.68	-3.25
4	11650.00	45.11 AV	54.00	-8.89	1.01 V	71	48.36	-3.25

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 36：5180 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.59 PK	74.00	-11.41	2.35 H	13	79.31	-16.72
2	5150.00	51.53 AV	54.00	-2.47	2.35 H	13	68.25	-16.72
3	*5180.00	106.99 PK			2.35 H	13	70.67	36.32
4	*5180.00	98.87 AV			2.35 H	13	62.55	36.32
5	#10360.00	54.37 PK	68.20	-13.83	3.78 H	210	58.53	-4.16
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.66 PK	74.00	-11.34	1.95 V	278	79.38	-16.72
2	5150.00	49.67 AV	54.00	-4.33	1.95 V	278	66.39	-16.72
3	*5180.00	104.22 PK			1.95 V	278	67.90	36.32
4	*5180.00	96.64 AV			1.95 V	278	60.32	36.32
5	#10360.00	53.33 PK	68.20	-14.87	1.06 V	314	57.49	-4.16

Remarks:

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

RF Mode	TX 802.11ac (VHT20)	Channel	CH 40：5200 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	59.88 PK	74.00	-14.12	2.18 H	19	76.60	-16.72
2	5150.00	49.65 AV	54.00	-4.35	2.18 H	19	66.37	-16.72
3	*5200.00	109.75 PK			2.18 H	19	73.41	36.34
4	*5200.00	101.99 AV			2.18 H	19	65.65	36.34
5	#10400.00	54.49 PK	68.20	-13.71	3.67 H	198	58.43	-3.94
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	58.91 PK	74.00	-15.09	1.93 V	239	75.63	-16.72
2	5150.00	47.41 AV	54.00	-6.59	1.93 V	239	64.13	-16.72
3	*5200.00	107.22 PK			1.93 V	239	70.88	36.34
4	*5200.00	99.63 AV			1.93 V	239	63.29	36.34
5	#10400.00	53.58 PK	68.20	-14.62	1.12 V	289	57.52	-3.94

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 48：5240 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.84 PK	74.00	-19.16	3.11 H	350	71.56	-16.72
2	5150.00	40.12 AV	54.00	-13.88	3.11 H	350	56.84	-16.72
3	*5240.00	109.91 PK			3.11 H	350	73.64	36.27
4	*5240.00	102.37 AV			3.11 H	350	66.10	36.27
5	5425.46	50.87 PK	74.00	-23.13	3.11 H	350	67.08	-16.21
6	5425.46	40.67 AV	54.00	-13.33	3.11 H	350	56.88	-16.21
7	#10480.00	54.54 PK	68.20	-13.66	3.64 H	199	58.46	-3.92
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.93 PK	74.00	-22.07	1.60 V	277	68.65	-16.72
2	5150.00	40.18 AV	54.00	-13.82	1.60 V	277	56.90	-16.72
3	*5240.00	107.78 PK			1.60 V	277	71.51	36.27
4	*5240.00	100.03 AV			1.60 V	277	63.76	36.27
5	5425.79	50.27 PK	74.00	-23.73	1.60 V	277	66.48	-16.21
6	5425.79	40.58 AV	54.00	-13.42	1.60 V	277	56.79	-16.21
7	#10480.00	53.36 PK	68.20	-14.84	1.23 V	323	57.28	-3.92

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 52：5260 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.22 PK	74.00	-20.78	2.38 H	351	69.94	-16.72
2	5150.00	39.68 AV	54.00	-14.32	2.38 H	351	56.40	-16.72
3	*5260.00	110.55 PK			2.38 H	351	74.34	36.21
4	*5260.00	102.85 AV			2.38 H	351	66.64	36.21
5	5350.00	52.23 PK	74.00	-21.77	2.38 H	351	68.76	-16.53
6	5350.00	41.84 AV	54.00	-12.16	2.38 H	351	58.37	-16.53
7	#10520.00	54.78 PK	68.20	-13.42	3.64 H	187	58.67	-3.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	50.60 PK	74.00	-23.40	1.67 V	278	67.32	-16.72
2	5150.00	39.87 AV	54.00	-14.13	1.67 V	278	56.59	-16.72
3	*5260.00	108.45 PK			1.67 V	278	72.24	36.21
4	*5260.00	100.30 AV			1.67 V	278	64.09	36.21
5	5350.00	52.58 PK	74.00	-21.42	1.67 V	278	69.11	-16.53
6	5350.00	41.54 AV	54.00	-12.46	1.67 V	278	58.07	-16.53
7	#10520.00	53.94 PK	68.20	-14.26	1.35 V	288	57.83	-3.89

Remarks:

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

RF Mode	TX 802.11ac (VHT20)	Channel	CH 60：5300 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	111.04 PK			2.03 H	346	74.94	36.10
2	*5300.00	103.28 AV			2.03 H	346	67.18	36.10
3	5350.00	69.96 PK	74.00	-4.04	2.03 H	346	86.49	-16.53
4	5350.00	52.45 AV	54.00	-1.55	2.03 H	346	68.98	-16.53
5	10600.00	54.49 PK	74.00	-19.51	3.67 H	185	58.27	-3.78
6	10600.00	44.54 AV	54.00	-9.46	3.67 H	185	48.32	-3.78
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	108.99 PK			1.99 V	278	72.89	36.10
2	*5300.00	101.18 AV			1.99 V	278	65.08	36.10
3	5350.00	70.34 PK	74.00	-3.66	1.99 V	278	86.87	-16.53
4	5350.00	51.66 AV	54.00	-2.34	1.99 V	278	68.19	-16.53
5	10600.00	53.65 PK	74.00	-20.35	1.42 V	334	57.43	-3.78
6	10600.00	43.75 AV	54.00	-10.25	1.42 V	334	47.53	-3.78

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 64：5320 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	107.26 PK			2.18 H	348	71.12	36.14
2	*5320.00	99.35 AV			2.18 H	348	63.21	36.14
3	5350.00	64.80 PK	74.00	-9.20	2.18 H	348	81.33	-16.53
4	5350.00	51.01 AV	54.00	-2.99	2.18 H	348	67.54	-16.53
5	10640.00	55.05 PK	74.00	-18.95	3.59 H	193	58.72	-3.67
6	10640.00	44.72 AV	54.00	-9.28	3.59 H	193	48.39	-3.67
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	105.89 PK			1.70 V	277	69.75	36.14
2	*5320.00	98.09 AV			1.70 V	277	61.95	36.14
3	5350.00	62.29 PK	74.00	-11.71	1.70 V	277	78.82	-16.53
4	5350.00	48.96 AV	54.00	-5.04	1.70 V	277	65.49	-16.53
5	10640.00	53.67 PK	74.00	-20.33	1.16 V	323	57.34	-3.67
6	10640.00	43.76 AV	54.00	-10.24	1.16 V	323	47.43	-3.67

Remarks:

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

RF Mode	TX 802.11ac (VHT20)	Channel	CH 100：5500 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.48 PK	74.00	-12.52	2.22 H	354	77.59	-16.11
2	5460.00	50.14 AV	54.00	-3.86	2.22 H	354	66.25	-16.11
3	#5470.00	65.28 PK	68.20	-2.92	2.22 H	354	81.39	-16.11
4	*5500.00	107.90 PK			2.22 H	354	71.36	36.54
5	*5500.00	99.99 AV			2.22 H	354	63.45	36.54
6	11000.00	54.76 PK	74.00	-19.24	3.52 H	198	58.42	-3.66
7	11000.00	44.61 AV	54.00	-9.39	3.52 H	198	48.27	-3.66
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.13 PK	74.00	-12.87	1.88 V	277	77.24	-16.11
2	5460.00	48.98 AV	54.00	-5.02	1.88 V	277	65.09	-16.11
3	#5470.00	64.74 PK	68.20	-3.46	1.88 V	277	80.85	-16.11
4	*5500.00	106.17 PK			1.88 V	277	69.63	36.54
5	*5500.00	98.45 AV			1.88 V	277	61.91	36.54
6	11000.00	53.52 PK	74.00	-20.48	1.22 V	276	57.18	-3.66
7	11000.00	43.67 AV	54.00	-10.33	1.22 V	276	47.33	-3.66

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 116：5580 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	50.73 PK	74.00	-23.27	2.21 H	353	66.84	-16.11
2	5460.00	40.37 AV	54.00	-13.63	2.21 H	353	56.48	-16.11
3	#5470.00	50.77 PK	68.20	-17.43	2.21 H	353	66.88	-16.11
4	*5580.00	109.23 PK			2.21 H	353	72.57	36.66
5	*5580.00	101.94 AV			2.21 H	353	65.28	36.66
6	#5725.00	51.84 PK	68.20	-16.36	2.21 H	353	67.46	-15.62
7	11160.00	54.82 PK	74.00	-19.18	3.62 H	223	58.37	-3.55
8	11160.00	44.91 AV	54.00	-9.09	3.62 H	223	48.46	-3.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	51.55 PK	74.00	-22.45	1.85 V	277	67.66	-16.11
2	5460.00	40.26 AV	54.00	-13.74	1.85 V	277	56.37	-16.11
3	#5470.00	50.97 PK	68.20	-17.23	1.85 V	277	67.08	-16.11
4	*5580.00	108.70 PK			1.85 V	277	72.04	36.66
5	*5580.00	101.18 AV			1.85 V	277	64.52	36.66
6	#5725.00	51.60 PK	68.20	-16.60	1.85 V	277	67.22	-15.62
7	11160.00	53.87 PK	74.00	-20.13	1.22 V	293	57.42	-3.55
8	11160.00	44.27 AV	54.00	-9.73	1.22 V	293	47.82	-3.55

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 132：5660 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5660.00	110.72 PK			2.18 H	352	73.81	36.91
2	*5660.00	102.82 AV			2.18 H	352	65.91	36.91
3	#5725.00	62.63 PK	68.20	-5.57	2.18 H	352	78.25	-15.62
4	11320.00	56.41 PK	74.00	-17.59	3.77 H	306	59.46	-3.05
5	11320.00	45.66 AV	54.00	-8.34	3.77 H	306	48.71	-3.05
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5660.00	107.53 PK			2.29 V	340	70.62	36.91
2	*5660.00	99.99 AV			2.29 V	340	63.08	36.91
3	#5725.00	62.15 PK	68.20	-6.05	2.29 V	340	77.77	-15.62
4	11320.00	56.25 PK	74.00	-17.75	2.68 V	96	59.30	-3.05
5	11320.00	45.23 AV	54.00	-8.77	2.68 V	96	48.28	-3.05

Remarks:

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

RF Mode	TX 802.11ac (VHT20)	Channel	CH 136：5680 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5680.00	108.56 PK			2.11 H	352	71.56	37.00
2	*5680.00	101.09 AV			2.11 H	352	64.09	37.00
3	#5725.00	64.86 PK	68.20	-3.34	2.11 H	352	80.48	-15.62
4	11360.00	55.90 PK	74.00	-18.10	1.64 H	135	58.65	-2.75
5	11360.00	45.51 AV	54.00	-8.49	1.64 H	135	48.26	-2.75
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5680.00	105.10 PK			2.16 V	348	68.10	37.00
2	*5680.00	97.60 AV			2.16 V	348	60.60	37.00
3	#5725.00	62.63 PK	68.20	-5.57	2.16 V	348	78.25	-15.62
4	11360.00	57.44 PK	74.00	-16.56	2.74 V	25	60.19	-2.75
5	11360.00	46.35 AV	54.00	-7.65	2.74 V	25	49.10	-2.75

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 140：5700 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	104.18 PK			2.07 H	344	67.10	37.08
2	*5700.00	96.16 AV			2.07 H	344	59.08	37.08
3	#5725.00	66.30 PK	68.20	-1.90	2.07 H	344	81.92	-15.62
4	11400.00	56.01 PK	74.00	-17.99	3.87 H	197	58.47	-2.46
5	11400.00	46.16 AV	54.00	-7.84	3.87 H	197	48.62	-2.46
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	102.60 PK			1.74 V	229	65.52	37.08
2	*5700.00	95.04 AV			1.74 V	229	57.96	37.08
3	#5725.00	66.15 PK	68.20	-2.05	1.74 V	229	81.77	-15.62
4	11400.00	54.78 PK	74.00	-19.22	1.45 V	256	57.24	-2.46
5	11400.00	44.90 AV	54.00	-9.10	1.45 V	256	47.36	-2.46

Remarks:

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

RF Mode	TX 802.11ac (VHT20)	Channel	CH 144：5720 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	109.59 PK			2.09 H	354	72.54	37.05
2	*5720.00	101.89 AV			2.09 H	354	64.84	37.05
3	#5850.00	51.80 PK	68.20	-16.40	2.09 H	354	67.26	-15.46
4	11440.00	56.00 PK	74.00	-18.00	3.62 H	198	58.50	-2.50
5	11440.00	45.97 AV	54.00	-8.03	3.62 H	198	48.47	-2.50
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	108.86 PK			1.31 V	242	71.81	37.05
2	*5720.00	100.82 AV			1.31 V	242	63.77	37.05
3	#5850.00	51.66 PK	68.20	-16.54	1.31 V	242	67.12	-15.46
4	11440.00	54.89 PK	74.00	-19.11	1.14 V	259	57.39	-2.50
5	11440.00	44.72 AV	54.00	-9.28	1.14 V	259	47.22	-2.50

Remarks:

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

RF Mode	TX 802.11ac (VHT20)	Channel	CH 149：5745 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	110.80 PK			2.99 H	349	73.80	37.00
2	*5745.00	102.91 AV			2.99 H	349	65.91	37.00
3	11490.00	55.77 PK	74.00	-18.23	3.92 H	223	58.32	-2.55
4	11490.00	46.00 AV	54.00	-8.00	3.92 H	223	48.55	-2.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	109.94 PK			1.93 V	227	72.94	37.00
2	*5745.00	101.81 AV			1.93 V	227	64.81	37.00
3	11490.00	54.97 PK	74.00	-19.03	1.48 V	282	57.52	-2.55
4	11490.00	44.78 AV	54.00	-9.22	1.48 V	282	47.33	-2.55

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 157：5785 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	110.23 PK			2.06 H	350	73.24	36.99
2	*5785.00	102.27 AV			2.06 H	350	65.28	36.99
3	11570.00	55.42 PK	74.00	-18.58	3.65 H	197	58.27	-2.85
4	11570.00	45.54 AV	54.00	-8.46	3.65 H	197	48.39	-2.85
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	109.06 PK			2.25 V	226	72.07	36.99
2	*5785.00	101.05 AV			2.25 V	226	64.06	36.99
3	11570.00	54.56 PK	74.00	-19.44	1.12 V	285	57.41	-2.85
4	11570.00	44.80 AV	54.00	-9.20	1.12 V	285	47.65	-2.85

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 165：5825 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	109.88 PK			2.13 H	353	72.69	37.19
2	*5825.00	101.87 AV			2.13 H	353	64.68	37.19
3	11650.00	55.12 PK	74.00	-18.88	3.72 H	205	58.37	-3.25
4	11650.00	45.04 AV	54.00	-8.96	3.72 H	205	48.29	-3.25
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	108.64 PK			1.82 V	228	71.45	37.19
2	*5825.00	100.68 AV			1.82 V	228	63.49	37.19
3	11650.00	53.93 PK	74.00	-20.07	1.56 V	320	57.18	-3.25
4	11650.00	44.11 AV	54.00	-9.89	1.56 V	320	47.36	-3.25

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 38：5190 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.50 PK	74.00	-11.50	2.40 H	68	79.22	-16.72
2	5150.00	51.51 AV	54.00	-2.49	2.40 H	68	68.23	-16.72
3	*5190.00	99.98 PK			2.40 H	16	63.65	36.33
4	*5190.00	92.65 AV			2.40 H	16	56.32	36.33
5	#10380.00	54.38 PK	68.20	-13.82	3.57 H	225	58.42	-4.04
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	57.06 PK	74.00	-16.94	1.66 V	277	73.78	-16.72
2	5150.00	46.08 AV	54.00	-7.92	1.66 V	277	62.80	-16.72
3	*5190.00	97.85 PK			1.66 V	277	61.52	36.33
4	*5190.00	90.51 AV			1.66 V	277	54.18	36.33
5	#10380.00	53.83 PK	68.20	-14.37	1.13 V	325	57.87	-4.04

Remarks:

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

RF Mode	TX 802.11ac (VHT40)	Channel	CH 46：5230 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.02 PK	74.00	-13.98	2.41 H	18	76.74	-16.72
2	5150.00	48.50 AV	54.00	-5.50	2.41 H	18	65.22	-16.72
3	*5230.00	106.54 PK			2.41 H	18	70.25	36.29
4	*5230.00	99.00 AV			2.41 H	18	62.71	36.29
5	#10460.00	54.80 PK	68.20	-13.40	3.54 H	223	58.72	-3.92
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	58.94 PK	74.00	-15.06	1.82 V	247	75.66	-16.72
2	5150.00	47.34 AV	54.00	-6.66	1.82 V	247	64.06	-16.72
3	*5230.00	105.62 PK			1.82 V	247	69.33	36.29
4	*5230.00	97.77 AV			1.82 V	247	61.48	36.29
5	#10460.00	53.22 PK	68.20	-14.98	1.52 V	336	57.14	-3.92

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 54：5270 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5270.00	106.24 PK			2.90 H	343	70.06	36.18
2	*5270.00	98.82 AV			2.90 H	343	62.64	36.18
3	5350.00	64.22 PK	74.00	-9.78	2.90 H	343	80.75	-16.53
4	5350.00	51.06 AV	54.00	-2.94	2.90 H	343	67.59	-16.53
5	#10540.00	54.56 PK	68.20	-13.64	3.67 H	193	58.43	-3.87
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5270.00	104.26 PK			1.89 V	278	68.08	36.18
2	*5270.00	44.12 AV			1.89 V	278	60.78	-16.66
3	5350.00	62.96 PK	74.00	-11.04	1.89 V	278	79.49	-16.53
4	5350.00	49.54 AV	54.00	-4.46	1.89 V	278	66.07	-16.53
5	#10540.00	53.95 PK	68.20	-14.25	1.22 V	310	57.82	-3.87

Remarks:

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

RF Mode	TX 802.11ac (VHT40)	Channel	CH 62：5310 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	100.39 PK			2.50 H	347	64.27	36.12
2	*5310.00	92.48 AV			2.50 H	347	56.36	36.12
3	5350.00	67.75 PK	74.00	-6.25	2.50 H	347	84.28	-16.53
4	5350.00	52.08 AV	54.00	-1.92	2.50 H	347	68.61	-16.53
5	10620.00	54.71 PK	74.00	-19.29	3.67 H	185	58.43	-3.72
6	10620.00	44.67 AV	54.00	-9.33	3.67 H	185	48.39	-3.72
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	98.28 PK			1.88 V	278	62.16	36.12
2	*5310.00	90.52 AV			1.88 V	278	54.40	36.12
3	5350.00	63.20 PK	74.00	-10.80	1.88 V	278	79.73	-16.53
4	5350.00	49.42 AV	54.00	-4.58	1.88 V	278	65.95	-16.53
5	10620.00	53.69 PK	74.00	-20.31	1.34 V	335	57.41	-3.72
6	10620.00	44.11 AV	54.00	-9.89	1.34 V	335	47.83	-3.72

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 102：5510 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	58.77 PK	74.00	-15.23	2.28 H	354	74.88	-16.11
2	5460.00	47.49 AV	54.00	-6.51	2.28 H	354	63.60	-16.11
3	#5470.00	64.79 PK	68.20	-3.41	2.28 H	354	80.90	-16.11
4	*5510.00	100.88 PK			2.28 H	354	64.31	36.57
5	*5510.00	93.38 AV			2.28 H	354	56.81	36.57
6	11020.00	55.09 PK	74.00	-18.91	3.64 H	199	58.74	-3.65
7	11020.00	44.98 AV	54.00	-9.02	3.64 H	199	48.63	-3.65
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	56.41 PK	74.00	-17.59	1.91 V	277	72.52	-16.11
2	5460.00	45.80 AV	54.00	-8.20	1.91 V	277	61.91	-16.11
3	#5470.00	62.40 PK	68.20	-5.80	1.91 V	277	78.51	-16.11
4	*5510.00	99.71 PK			1.91 V	277	63.14	36.57
5	*5510.00	92.08 AV			1.91 V	277	55.51	36.57
6	11020.00	53.74 PK	74.00	-20.26	1.36 V	247	57.39	-3.65
7	11020.00	43.90 AV	54.00	-10.10	1.36 V	247	47.55	-3.65

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 110：5550 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.99 PK	74.00	-12.01	2.25 H	352	78.10	-16.11
2	5460.00	50.58 AV	54.00	-3.42	2.25 H	352	66.69	-16.11
3	#5470.00	66.16 PK	68.20	-2.04	2.25 H	352	82.27	-16.11
4	*5550.00	107.43 PK			2.25 H	352	70.75	36.68
5	*5550.00	99.40 AV			2.25 H	352	62.72	36.68
6	11100.00	55.17 PK	74.00	-18.83	3.69 H	197	58.71	-3.54
7	11100.00	45.15 AV	54.00	-8.85	3.69 H	197	48.69	-3.54
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.06 PK	74.00	-13.94	1.98 V	277	76.17	-16.11
2	5460.00	49.25 AV	54.00	-4.75	1.98 V	277	65.36	-16.11
3	#5470.00	64.07 PK	68.20	-4.13	1.98 V	277	80.18	-16.11
4	*5550.00	106.33 PK			1.98 V	277	69.65	36.68
5	*5550.00	98.22 AV			1.98 V	277	61.54	36.68
6	11100.00	53.60 PK	74.00	-20.40	1.25 V	323	57.14	-3.54
7	11100.00	43.82 AV	54.00	-10.18	1.25 V	323	47.36	-3.54

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 134：5670 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	104.20 PK			2.34 H	353	67.25	36.95
2	*5670.00	96.60 AV			2.34 H	353	59.65	36.95
3	#5725.00	66.28 PK	68.20	-1.92	2.34 H	353	81.90	-15.62
4	11340.00	55.81 PK	74.00	-18.19	3.57 H	189	58.72	-2.91
5	11340.00	45.78 AV	54.00	-8.22	3.57 H	189	48.69	-2.91
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	102.79 PK			1.85 V	277	65.84	36.95
2	*5670.00	94.90 AV			1.85 V	277	57.95	36.95
3	#5725.00	64.19 PK	68.20	-4.01	1.85 V	277	79.81	-15.62
4	11340.00	54.51 PK	74.00	-19.49	1.36 V	278	57.42	-2.91
5	11340.00	44.65 AV	54.00	-9.35	1.36 V	278	47.56	-2.91

Remarks:

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

RF Mode	TX 802.11ac (VHT40)	Channel	CH 142：5710 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5710.00	106.65 PK			2.14 H	352	69.59	37.06
2	*5710.00	99.09 AV			2.14 H	352	62.03	37.06
3	#5855.30	60.20 PK	68.20	-8.00	2.14 H	352	75.65	-15.45
4	11420.00	55.88 PK	74.00	-18.12	3.68 H	187	58.37	-2.49
5	11420.00	46.17 AV	54.00	-7.83	3.68 H	187	48.66	-2.49
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5710.00	106.93 PK			2.26 V	243	69.87	37.06
2	*5710.00	98.98 AV			2.26 V	243	61.92	37.06
3	#5855.35	58.13 PK	68.20	-10.07	2.26 V	243	73.58	-15.45
4	11420.00	54.99 PK	74.00	-19.01	1.14 V	322	57.48	-2.49
5	11420.00	45.16 AV	54.00	-8.84	1.14 V	322	47.65	-2.49

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 151：5755 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5755.00	106.54 PK			2.01 H	354	69.55	36.99
2	*5755.00	98.30 AV			2.01 H	354	61.31	36.99
3	11510.00	56.17 PK	74.00	-17.83	3.64 H	199	58.78	-2.61
4	11510.00	45.78 AV	54.00	-8.22	3.64 H	199	48.39	-2.61
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5755.00	105.71 PK			1.74 V	229	68.72	36.99
2	*5755.00	97.71 AV			1.74 V	229	60.72	36.99
3	11510.00	55.23 PK	74.00	-18.77	1.20 V	304	57.84	-2.61
4	11510.00	45.02 AV	54.00	-8.98	1.20 V	304	47.63	-2.61

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 159：5795 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5795.00	106.65 PK			2.35 H	353	69.65	37.00
2	*5795.00	98.70 AV			2.35 H	353	61.70	37.00
3	11590.00	55.87 PK	74.00	-18.13	3.54 H	179	58.78	-2.91
4	11590.00	45.78 AV	54.00	-8.22	3.54 H	179	48.69	-2.91
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5795.00	104.82 PK			2.34 V	224	67.82	37.00
2	*5795.00	96.78 AV			2.34 V	224	59.78	37.00
3	11590.00	54.43 PK	74.00	-19.57	1.20 V	287	57.34	-2.91
4	11590.00	44.65 AV	54.00	-9.35	1.20 V	287	47.56	-2.91

Remarks:

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

RF Mode	TX 802.11ac (VHT80)	Channel	CH 42：5210 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.01 PK	74.00	-12.99	2.55 H	19	77.73	-16.72
2	5150.00	52.48 AV	54.00	-1.52	2.55 H	19	69.20	-16.72
3	*5210.00	96.43 PK			2.55 H	19	60.11	36.32
4	*5210.00	88.29 AV			2.55 H	19	51.97	36.32
5	#10420.00	56.09 PK	68.20	-12.11	1.66 H	313	60.02	-3.93
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.06 PK	74.00	-17.94	2.52 V	240	72.78	-16.72
2	5150.00	48.29 AV	54.00	-5.71	2.52 V	240	65.01	-16.72
3	*5210.00	94.93 PK			2.52 V	240	58.61	36.32
4	*5210.00	86.13 AV			2.52 V	240	49.81	36.32
5	#10420.00	56.22 PK	68.20	-11.98	3.42 V	61	60.15	-3.93

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT80)	Channel	CH 58：5290 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	96.19 PK			2.31 H	348	60.06	36.13
2	*5290.00	88.96 AV			2.31 H	348	52.83	36.13
3	5350.00	62.90 PK	74.00	-11.10	2.31 H	348	79.43	-16.53
4	5350.00	52.40 AV	54.00	-1.60	2.31 H	348	68.93	-16.53
5	#10580.00	56.65 PK	68.20	-11.55	1.09 H	119	60.45	-3.80
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	94.93 PK			2.52 V	241	58.80	36.13
2	*5290.00	86.42 AV			2.52 V	241	50.29	36.13
3	5350.00	59.49 PK	74.00	-14.51	2.52 V	241	76.02	-16.53
4	5350.00	49.46 AV	54.00	-4.54	2.52 V	241	65.99	-16.53
5	#10580.00	55.76 PK	68.20	-12.44	3.60 V	334	59.56	-3.80

Remarks:

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

RF Mode	TX 802.11ac (VHT80)	Channel	CH 106：5530 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.14 PK	74.00	-13.86	2.05 H	355	76.25	-16.11
2	5460.00	51.86 AV	54.00	-2.14	2.05 H	355	67.97	-16.11
3	#5470.00	61.40 PK	68.20	-6.80	2.05 H	355	77.51	-16.11
4	*5530.00	96.89 PK			2.05 H	355	60.27	36.62
5	*5530.00	88.20 AV			2.05 H	355	51.58	36.62
6	11060.00	56.30 PK	74.00	-17.70	2.98 H	159	59.89	-3.59
7	11060.00	44.64 AV	54.00	-9.36	2.98 H	159	48.23	-3.59
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	57.54 PK	74.00	-16.46	2.53 V	242	73.65	-16.11
2	5460.00	49.67 AV	54.00	-4.33	2.53 V	242	65.78	-16.11
3	#5470.00	61.35 PK	68.20	-6.85	2.53 V	242	77.46	-16.11
4	*5530.00	95.38 PK			2.53 V	242	58.76	36.62
5	*5530.00	87.58 AV			2.53 V	242	50.96	36.62
6	11060.00	56.72 PK	74.00	-17.28	2.62 V	14	60.31	-3.59
7	11060.00	45.27 AV	54.00	-8.73	2.62 V	14	48.86	-3.59

Remarks:

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

RF Mode	TX 802.11ac (VHT80)	Channel	CH 122：5610 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	59.53 PK	74.00	-14.47	2.05 H	353	75.64	-16.11
2	5460.00	48.85 AV	54.00	-5.15	2.05 H	353	64.96	-16.11
3	#5470.00	56.69 PK	68.20	-11.51	2.05 H	353	72.80	-16.11
4	*5610.00	101.29 PK			2.05 H	353	64.60	36.69
5	*5610.00	93.74 AV			2.05 H	353	57.05	36.69
6	#5725.00	65.02 PK	68.20	-3.18	2.05 H	353	80.64	-15.62
7	11220.00	56.21 PK	74.00	-17.79	3.78 H	353	59.69	-3.48
8	11220.00	44.75 AV	54.00	-9.25	3.78 H	353	48.23	-3.48
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	58.11 PK	74.00	-15.89	2.47 V	239	74.22	-16.11
2	5460.00	46.81 AV	54.00	-7.19	2.47 V	239	62.92	-16.11
3	#5470.00	56.17 PK	68.20	-12.03	2.47 V	239	72.28	-16.11
4	*5610.00	100.28 PK			2.47 V	242	63.59	36.69
5	*5610.00	92.92 AV			2.47 V	242	56.23	36.69
6	#5725.00	63.68 PK	68.20	-4.52	2.47 V	239	79.30	-15.62
7	11220.00	56.39 PK	74.00	-17.61	2.04 V	321	59.87	-3.48
8	11220.00	44.80 AV	54.00	-9.20	2.04 V	321	48.28	-3.48

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT80)	Channel	CH 138：5690 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5690.00	104.85 PK			2.13 H	352	67.81	37.04
2	*5690.00	96.61 AV			2.13 H	352	59.57	37.04
3	#5850.00	66.37 PK	68.20	-1.83	2.13 H	352	81.83	-15.46
4	11380.00	57.73 PK	74.00	-16.27	2.27 H	104	60.34	-2.61
5	11380.00	46.61 AV	54.00	-7.39	2.27 H	104	49.22	-2.61
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5690.00	103.22 PK			2.45 V	252	66.18	37.04
2	*5690.00	96.44 AV			2.45 V	244	59.40	37.04
3	#5850.00	63.64 PK	68.20	-4.56	2.45 V	252	79.10	-15.46
4	11380.00	57.58 PK	74.00	-16.42	1.29 V	354	60.19	-2.61
5	11380.00	45.76 AV	54.00	-8.24	1.29 V	354	48.37	-2.61

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT80)	Channel	CH 155：5775 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5775.00	101.68 PK			2.20 H	352	64.69	36.99
2	*5775.00	94.27 AV			2.20 H	352	57.28	36.99
3	11550.00	57.04 PK	74.00	-16.96	3.87 H	347	59.80	-2.76
4	11550.00	45.34 AV	54.00	-8.66	3.87 H	347	48.10	-2.76
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5775.00	101.49 PK			2.49 V	243	64.50	36.99
2	*5775.00	94.08 AV			2.49 V	243	57.09	36.99
3	11550.00	56.93 PK	74.00	-17.07	2.79 V	216	59.69	-2.76
4	11550.00	45.69 AV	54.00	-8.31	2.79 V	216	48.45	-2.76

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

Ant. 2

RF Mode	TX 802.11a	Channel	CH 36：5180 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.54 PK	74.00	-20.46	2.65 H	47	70.26	-16.72
2	5150.00	43.12 AV	54.00	-10.88	2.65 H	47	59.84	-16.72
3	*5180.00	97.25 PK			2.65 H	47	60.93	36.32
4	*5180.00	87.57 AV			2.65 H	47	51.25	36.32
5	#10360.00	54.50 PK	68.20	-13.70	2.77 H	183	58.66	-4.16
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.02 PK	74.00	-8.98	1.85 V	322	81.74	-16.72
2	5150.00	51.21 AV	54.00	-2.79	1.85 V	322	67.93	-16.72
3	*5180.00	108.39 PK			1.85 V	322	72.07	36.32
4	*5180.00	98.97 AV			1.85 V	322	62.65	36.32
5	#10360.00	55.01 PK	68.20	-13.19	1.89 V	241	59.17	-4.16

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 40：5200 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.56 PK	74.00	-22.44	2.49 H	45	68.28	-16.72
2	5150.00	41.41 AV	54.00	-12.59	2.49 H	45	58.13	-16.72
3	*5200.00	99.58 PK			2.49 H	45	63.24	36.34
4	*5200.00	90.29 AV			2.49 H	45	53.95	36.34
5	#10400.00	56.51 PK	68.20	-11.69	2.45 H	344	60.45	-3.94
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	59.34 PK	74.00	-14.66	1.97 V	316	76.06	-16.72
2	5150.00	48.15 AV	54.00	-5.85	1.97 V	316	64.87	-16.72
3	*5200.00	111.69 PK			1.97 V	316	75.35	36.34
4	*5200.00	102.35 AV			1.97 V	316	66.01	36.34
5	#10400.00	54.95 PK	68.20	-13.25	1.64 V	310	58.89	-3.94

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11a	Channel	CH 48：5240 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	100.75 PK			2.49 H	42	64.48	36.27
2	*5240.00	91.44 AV			2.49 H	42	55.17	36.27
3	5350.00	50.37 PK	74.00	-23.63	2.49 H	42	66.90	-16.53
4	5350.00	40.19 AV	54.00	-13.81	2.49 H	42	56.72	-16.53
5	#10480.00	54.93 PK	68.20	-13.27	2.38 H	187	58.85	-3.92
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	113.55 PK			1.86 V	321	77.28	36.27
2	*5240.00	104.16 AV			1.86 V	321	67.89	36.27
3	5350.00	50.11 PK	74.00	-23.89	1.86 V	321	66.64	-16.53
4	5350.00	40.82 AV	54.00	-13.18	1.86 V	321	57.35	-16.53
5	#10480.00	55.89 PK	68.20	-12.31	2.91 V	161	59.81	-3.92

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11a	Channel	CH 52：5260 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	99.66 PK			2.48 H	41	63.45	36.21
2	*5260.00	90.37 AV			2.48 H	41	54.16	36.21
3	5350.00	50.78 PK	74.00	-23.22	2.48 H	41	67.31	-16.53
4	5350.00	40.92 AV	54.00	-13.08	2.48 H	41	57.45	-16.53
5	#10520.00	56.39 PK	68.20	-11.81	2.30 H	315	60.28	-3.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	113.25 PK			1.89 V	321	77.04	36.21
2	*5260.00	103.92 AV			1.89 V	321	67.71	36.21
3	5350.00	53.68 PK	74.00	-20.32	1.89 V	321	70.21	-16.53
4	5350.00	41.75 AV	54.00	-12.25	1.89 V	321	58.28	-16.53
5	#10520.00	56.47 PK	68.20	-11.73	2.23 V	269	60.36	-3.89

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 60：5300 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	100.75 PK			2.30 H	42	64.65	36.10
2	*5300.00	91.36 AV			2.30 H	42	55.26	36.10
3	5350.00	58.13 PK	74.00	-15.87	2.30 H	42	74.66	-16.53
4	5350.00	43.76 AV	54.00	-10.24	2.30 H	42	60.29	-16.53
5	10600.00	55.77 PK	74.00	-18.23	1.67 H	232	59.55	-3.78
6	10600.00	44.38 AV	54.00	-9.62	1.67 H	232	48.16	-3.78
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	113.81 PK			1.88 V	321	77.71	36.10
2	*5300.00	104.15 AV			1.88 V	321	68.05	36.10
3	5350.00	69.68 PK	74.00	-4.32	1.88 V	321	86.21	-16.53
4	5350.00	52.33 AV	54.00	-1.67	1.88 V	321	68.86	-16.53
5	10600.00	55.45 PK	74.00	-18.55	1.88 V	321	59.23	-3.78
6	10600.00	45.23 AV	54.00	-8.77	1.88 V	321	49.01	-3.78

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11a	Channel	CH 64：5320 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	96.52 PK			2.30 H	30	60.38	36.14
2	*5320.00	87.30 AV			2.30 H	30	51.16	36.14
3	5350.00	53.01 PK	74.00	-20.99	2.30 H	30	69.54	-16.53
4	5350.00	43.36 AV	54.00	-10.64	2.30 H	30	59.89	-16.53
5	10640.00	54.67 PK	74.00	-19.33	1.73 H	348	58.34	-3.67
6	10640.00	45.01 AV	54.00	-8.99	1.73 H	348	48.68	-3.67
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	108.83 PK			1.88 V	321	72.69	36.14
2	*5320.00	99.38 AV			1.88 V	321	63.24	36.14
3	5350.00	63.30 PK	74.00	-10.70	1.88 V	321	79.83	-16.53
4	5350.00	52.35 AV	54.00	-1.65	1.88 V	321	68.88	-16.53
5	10640.00	55.78 PK	74.00	-18.22	2.49 V	230	59.45	-3.67
6	10640.00	45.23 AV	54.00	-8.77	2.49 V	230	48.90	-3.67

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 100：5500 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	55.43 PK	74.00	-18.57	2.08 H	279	71.54	-16.11
2	5460.00	43.68 AV	54.00	-10.32	2.08 H	279	59.79	-16.11
3	#5470.00	60.23 PK	68.20	-7.97	2.08 H	279	76.34	-16.11
4	*5500.00	101.41 PK			2.08 H	279	64.87	36.54
5	*5500.00	92.29 AV			2.08 H	279	55.75	36.54
6	11000.00	54.63 PK	74.00	-19.37	1.68 H	323	58.29	-3.66
7	11000.00	45.38 AV	54.00	-8.62	1.68 H	323	49.04	-3.66
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.57 PK	74.00	-13.43	1.78 V	314	76.68	-16.11
2	5460.00	48.58 AV	54.00	-5.42	1.78 V	314	64.69	-16.11
3	#5470.00	66.29 PK	68.20	-1.91	1.78 V	314	82.40	-16.11
4	*5500.00	109.07 PK			1.78 V	314	72.53	36.54
5	*5500.00	99.61 AV			1.78 V	314	63.07	36.54
6	11000.00	55.81 PK	74.00	-18.19	1.29 V	280	59.47	-3.66
7	11000.00	44.87 AV	54.00	-9.13	1.29 V	280	48.53	-3.66

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11a	Channel	CH 116：5580 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	50.96 PK	74.00	-23.04	2.13 H	280	67.07	-16.11
2	5460.00	40.35 AV	54.00	-13.65	2.13 H	280	56.46	-16.11
3	#5470.00	50.97 PK	68.20	-17.23	2.13 H	280	67.08	-16.11
4	*5580.00	106.16 PK			2.13 H	280	69.50	36.66
5	*5580.00	96.82 AV			2.13 H	280	60.16	36.66
6	#5725.00	52.46 PK	68.20	-15.74	2.13 H	280	68.08	-15.62
7	11160.00	55.05 PK	74.00	-18.95	2.18 H	27	58.60	-3.55
8	11160.00	45.16 AV	54.00	-8.84	2.18 H	27	48.71	-3.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	50.69 PK	74.00	-23.31	1.78 V	319	66.80	-16.11
2	5460.00	39.23 AV	54.00	-14.77	1.78 V	319	55.34	-16.11
3	#5470.00	53.33 PK	68.20	-14.87	1.78 V	319	69.44	-16.11
4	*5580.00	113.95 PK			1.78 V	319	77.29	36.66
5	*5580.00	104.61 AV			1.78 V	319	67.95	36.66
6	#5730.00	51.86 PK	68.20	-16.34	1.78 V	319	67.50	-15.64
7	11160.00	55.04 PK	74.00	-18.96	2.21 V	206	58.59	-3.55
8	11160.00	44.72 AV	54.00	-9.28	2.21 V	206	48.27	-3.55

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11a	Channel	CH 132：5660 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5660.00	107.08 PK			2.15 H	280	70.17	36.91
2	*5660.00	97.80 AV			2.15 H	280	60.89	36.91
3	#5725.00	60.08 PK	68.20	-8.12	2.15 H	280	75.70	-15.62
4	11320.00	56.05 PK	74.00	-17.95	3.58 H	191	59.10	-3.05
5	11320.00	45.76 AV	54.00	-8.24	3.58 H	191	48.81	-3.05
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5660.00	114.12 PK			1.75 V	319	77.21	36.91
2	*5660.00	104.75 AV			1.75 V	319	67.84	36.91
3	#5725.00	66.15 PK	68.20	-2.05	1.75 V	319	81.77	-15.62
4	11320.00	55.36 PK	74.00	-18.64	1.41 V	34	58.41	-3.05
5	11320.00	46.09 AV	54.00	-7.91	1.41 V	34	49.14	-3.05

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 136：5680 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5680.00	105.70 PK			2.11 H	280	68.70	37.00
2	*5680.00	96.44 AV			2.11 H	280	59.44	37.00
3	#5725.00	62.36 PK	68.20	-5.84	2.11 H	280	77.98	-15.62
4	11360.00	55.45 PK	74.00	-18.55	2.35 H	315	58.20	-2.75
5	11360.00	45.83 AV	54.00	-8.17	2.35 H	315	48.58	-2.75
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5680.00	112.69 PK			1.86 V	319	75.69	37.00
2	*5680.00	103.46 AV			1.86 V	319	66.46	37.00
3	#5725.00	66.67 PK	68.20	-1.53	1.86 V	319	82.29	-15.62
4	11360.00	55.66 PK	74.00	-18.34	2.98 V	357	58.41	-2.75
5	11360.00	45.67 AV	54.00	-8.33	2.98 V	357	48.42	-2.75

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11a	Channel	CH 140：5700 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	99.40 PK			2.15 H	280	62.32	37.08
2	*5700.00	90.02 AV			2.15 H	280	52.94	37.08
3	#5725.00	60.60 PK	68.20	-7.60	2.15 H	280	76.22	-15.62
4	11400.00	56.26 PK	74.00	-17.74	1.92 H	167	58.72	-2.46
5	11400.00	46.40 AV	54.00	-7.60	1.92 H	167	48.86	-2.46
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	107.09 PK			1.86 V	319	70.01	37.08
2	*5700.00	97.71 AV			1.86 V	319	60.63	37.08
3	#5725.00	65.70 PK	68.20	-2.50	1.86 V	319	81.32	-15.62
4	11400.00	56.23 PK	74.00	-17.77	1.15 V	358	58.69	-2.46
5	11400.00	46.28 AV	54.00	-7.72	1.15 V	358	48.74	-2.46

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 144：5720 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	106.20 PK			2.14 H	282	69.20	37.00
2	*5720.00	97.00 AV			2.14 H	282	60.00	37.00
3	#5850.00	51.60 PK	68.20	-16.60	2.14 H	282	67.00	-15.40
4	11440.00	56.80 PK	74.00	-17.20	2.43 H	229	59.30	-2.50
5	11440.00	45.90 AV	54.00	-8.10	2.43 H	229	48.40	-2.50
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	114.91 PK			1.84 V	318	77.86	37.05
2	*5720.00	105.47 AV			1.84 V	318	68.42	37.05
3	#5850.00	50.25 PK	68.20	-17.95	1.84 V	318	65.71	-15.46
4	11440.00	56.60 PK	74.00	-17.40	2.70 V	231	59.10	-2.50
5	11440.00	45.85 AV	54.00	-8.15	2.70 V	231	48.35	-2.50

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 149：5745 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	107.41 PK			2.18 H	280	70.41	37.00
2	*5745.00	98.15 AV			2.18 H	280	61.15	37.00
3	11490.00	55.41 PK	74.00	-18.59	1.17 H	261	57.96	-2.55
4	11490.00	45.86 AV	54.00	-8.14	1.17 H	261	48.41	-2.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	114.93 PK			1.90 V	319	77.93	37.00
2	*5745.00	105.72 AV			1.90 V	319	68.72	37.00
3	11490.00	56.85 PK	74.00	-17.15	1.86 V	222	59.40	-2.55
4	11490.00	46.26 AV	54.00	-7.74	1.86 V	222	48.81	-2.55

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11a	Channel	CH 157：5785 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	107.15 PK			2.14 H	279	70.16	36.99
2	*5785.00	97.83 AV			2.14 H	279	60.84	36.99
3	11570.00	55.12 PK	74.00	-18.88	2.97 H	253	57.97	-2.85
4	11570.00	46.19 AV	54.00	-7.81	2.97 H	253	49.04	-2.85
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	114.48 PK			1.87 V	318	77.49	36.99
2	*5785.00	105.17 AV			1.87 V	318	68.18	36.99
3	11570.00	55.49 PK	74.00	-18.51	3.09 V	263	58.34	-2.85
4	11570.00	45.37 AV	54.00	-8.63	3.09 V	263	48.22	-2.85

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11a	Channel	CH 165：5825 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	106.23 PK			2.13 H	280	69.04	37.19
2	*5825.00	96.84 AV			2.13 H	280	59.65	37.19
3	11650.00	55.33 PK	74.00	-18.67	1.26 H	163	58.58	-3.25
4	11650.00	44.93 AV	54.00	-9.07	1.26 H	163	48.18	-3.25
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	114.23 PK			1.82 V	318	77.04	37.19
2	*5825.00	104.77 AV			1.82 V	318	67.58	37.19
3	11650.00	55.73 PK	74.00	-18.27	2.10 V	273	58.98	-3.25
4	11650.00	45.87 AV	54.00	-8.13	2.10 V	273	49.12	-3.25

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 36：5180 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	57.05 PK	74.00	-16.95	2.10 H	281	73.77	-16.72
2	5150.00	45.98 AV	54.00	-8.02	2.10 H	281	62.70	-16.72
3	*5180.00	99.85 PK			2.10 H	281	63.53	36.32
4	*5180.00	89.64 AV			2.10 H	281	53.32	36.32
5	#10360.00	54.06 PK	68.20	-14.14	1.19 H	346	58.22	-4.16
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.91 PK	74.00	-13.09	1.88 V	322	77.63	-16.72
2	5150.00	51.47 AV	54.00	-2.53	1.88 V	322	68.19	-16.72
3	*5180.00	108.47 PK			1.88 V	322	72.15	36.32
4	*5180.00	98.61 AV			1.88 V	322	62.29	36.32
5	#10360.00	54.14 PK	68.20	-14.06	1.64 V	269	58.30	-4.16

Remarks:

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

RF Mode	TX 802.11ac (VHT20)	Channel	CH 40：5200 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.53 PK	74.00	-21.47	2.08 H	282	69.25	-16.72
2	5150.00	42.97 AV	54.00	-11.03	2.08 H	282	59.69	-16.72
3	*5200.00	102.45 PK			2.08 H	282	66.11	36.34
4	*5200.00	92.85 AV			2.08 H	282	56.51	36.34
5	#10400.00	54.11 PK	68.20	-14.09	2.66 H	179	58.05	-3.94
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.92 PK	74.00	-11.08	1.89 V	316	79.64	-16.72
2	5150.00	50.22 AV	54.00	-3.78	1.89 V	316	66.94	-16.72
3	*5200.00	111.81 PK			1.89 V	316	75.47	36.34
4	*5200.00	102.40 AV			1.89 V	316	66.06	36.34
5	#10400.00	55.16 PK	68.20	-13.04	1.85 V	68	59.10	-3.94

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 48：5240 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.71 PK	74.00	-22.29	2.14 H	280	68.43	-16.72
2	5150.00	40.63 AV	54.00	-13.37	2.14 H	280	57.35	-16.72
3	*5240.00	104.85 PK			2.14 H	280	68.58	36.27
4	*5240.00	95.09 AV			2.14 H	280	58.82	36.27
5	5350.00	50.11 PK	74.00	-23.89	2.14 H	280	66.64	-16.53
6	5350.00	40.37 AV	54.00	-13.63	2.14 H	280	56.90	-16.53
7	#10480.00	54.26 PK	68.20	-13.94	1.32 H	321	58.18	-3.92
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.13 PK	74.00	-17.87	1.90 V	316	72.85	-16.72
2	5150.00	42.52 AV	54.00	-11.48	1.90 V	316	59.24	-16.72
3	*5240.00	113.37 PK			1.90 V	316	77.10	36.27
4	*5240.00	103.67 AV			1.90 V	316	67.40	36.27
5	5350.00	50.55 PK	74.00	-23.45	1.90 V	316	67.08	-16.53
6	5350.00	39.79 AV	54.00	-14.21	1.90 V	316	56.32	-16.53
7	#10480.00	54.52 PK	68.20	-13.68	2.87 V	30	58.44	-3.92

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 52：5260 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	104.96 PK			2.10 H	281	68.75	36.21
2	*5260.00	95.36 AV			2.10 H	281	59.15	36.21
3	5350.00	51.17 PK	74.00	-22.83	2.10 H	281	67.70	-16.53
4	5350.00	40.70 AV	54.00	-13.30	2.10 H	281	57.23	-16.53
5	#10520.00	54.88 PK	68.20	-13.32	2.15 H	23	58.77	-3.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	112.77 PK			1.90 V	316	76.56	36.21
2	*5260.00	103.34 AV			1.90 V	316	67.13	36.21
3	5350.00	53.90 PK	74.00	-20.10	1.90 V	316	70.43	-16.53
4	5350.00	42.90 AV	54.00	-11.10	1.90 V	316	59.43	-16.53
5	#10520.00	55.60 PK	68.20	-12.60	3.64 V	136	59.49	-3.89

Remarks:

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

RF Mode	TX 802.11ac (VHT20)	Channel	CH 60：5300 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	104.52 PK			2.07 H	281	68.42	36.10
2	*5300.00	95.08 AV			2.07 H	281	58.98	36.10
3	5350.00	59.64 PK	74.00	-14.36	2.07 H	281	76.17	-16.53
4	5350.00	45.64 AV	54.00	-8.36	2.07 H	281	62.17	-16.53
5	10600.00	55.07 PK	74.00	-18.93	1.71 H	99	58.85	-3.78
6	10600.00	45.15 AV	54.00	-8.85	1.71 H	99	48.93	-3.78
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	112.42 PK			1.89 V	315	76.32	36.10
2	*5300.00	104.89 AV			1.89 V	315	68.79	36.10
3	5350.00	67.08 PK	74.00	-6.92	1.89 V	315	83.61	-16.53
4	5350.00	51.65 AV	54.00	-2.35	1.89 V	315	68.18	-16.53
5	10600.00	55.00 PK	74.00	-19.00	3.79 V	344	58.78	-3.78
6	10600.00	45.26 AV	54.00	-8.74	3.79 V	344	49.04	-3.78

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 64：5320 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	100.03 PK			2.16 H	280	63.89	36.14
2	*5320.00	90.59 AV			2.16 H	280	54.45	36.14
3	5350.00	58.34 PK	74.00	-15.66	2.16 H	280	74.87	-16.53
4	5350.00	46.25 AV	54.00	-7.75	2.16 H	280	62.78	-16.53
5	10640.00	54.71 PK	74.00	-19.29	3.19 H	148	58.38	-3.67
6	10640.00	45.30 AV	54.00	-8.70	3.19 H	148	48.97	-3.67
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	108.75 PK			1.90 V	321	72.61	36.14
2	*5320.00	98.97 AV			1.90 V	321	62.83	36.14
3	5350.00	67.47 PK	74.00	-6.53	1.90 V	321	84.00	-16.53
4	**5350.00**	**52.49 AV**	**54.00**	**-1.51**	**1.90 V**	**321**	**69.02**	**-16.53**
5	10640.00	55.48 PK	74.00	-18.52	1.22 V	281	59.15	-3.67
6	10640.00	45.20 AV	54.00	-8.80	1.22 V	281	48.87	-3.67

Remarks:

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

RF Mode	TX 802.11ac (VHT20)	Channel	CH 100：5500 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	56.63 PK	74.00	-17.37	2.12 H	281	72.74	-16.11
2	5460.00	45.77 AV	54.00	-8.23	2.12 H	281	61.88	-16.11
3	#5470.00	60.48 PK	68.20	-7.72	2.12 H	281	76.59	-16.11
4	*5500.00	100.89 PK			2.12 H	281	64.35	36.54
5	*5500.00	91.86 AV			2.12 H	281	55.32	36.54
6	11000.00	55.43 PK	74.00	-18.57	1.49 H	105	59.09	-3.66
7	11000.00	45.10 AV	54.00	-8.90	1.49 H	105	48.76	-3.66
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	63.15 PK	74.00	-10.85	1.88 V	320	79.26	-16.11
2	5460.00	50.22 AV	54.00	-3.78	1.88 V	320	66.33	-16.11
3	#5470.00	66.05 PK	68.20	-2.15	1.88 V	320	82.16	-16.11
4	*5500.00	108.93 PK			1.88 V	320	72.39	36.54
5	*5500.00	98.87 AV			1.88 V	320	62.33	36.54
6	11000.00	54.40 PK	74.00	-19.60	3.12 V	165	58.06	-3.66
7	11000.00	44.49 AV	54.00	-9.51	3.12 V	165	48.15	-3.66

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 116：5580 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	51.67 PK	74.00	-22.33	2.05 H	280	67.78	-16.11
2	5460.00	40.37 AV	54.00	-13.63	2.05 H	280	56.48	-16.11
3	#5470.00	51.70 PK	68.20	-16.50	2.05 H	280	67.81	-16.11
4	*5580.00	105.14 PK			2.05 H	280	68.48	36.66
5	*5580.00	96.37 AV			2.05 H	280	59.71	36.66
6	#5725.00	53.06 PK	68.20	-15.14	2.05 H	280	68.68	-15.62
7	11160.00	55.77 PK	74.00	-18.23	3.47 H	164	59.32	-3.55
8	11160.00	44.74 AV	54.00	-9.26	3.47 H	164	48.29	-3.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	52.30 PK	74.00	-21.70	1.86 V	320	68.41	-16.11
2	5460.00	41.87 AV	54.00	-12.13	1.86 V	320	57.98	-16.11
3	#5470.00	56.17 PK	68.20	-12.03	1.86 V	320	72.28	-16.11
4	*5580.00	113.41 PK			1.86 V	320	76.75	36.66
5	*5580.00	103.87 AV			1.86 V	320	67.21	36.66
6	#5725.00	52.67 PK	68.20	-15.53	1.86 V	320	68.29	-15.62
7	11160.00	55.10 PK	74.00	-18.90	2.63 V	96	58.65	-3.55
8	11160.00	45.19 AV	54.00	-8.81	2.63 V	96	48.74	-3.55

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 132：5660 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5660.00	107.31 PK			2.17 H	280	70.40	36.91
2	*5660.00	97.50 AV			2.17 H	280	60.59	36.91
3	#5725.00	62.13 PK	68.20	-6.07	2.17 H	280	77.75	-15.62
4	11320.00	56.44 PK	74.00	-17.56	1.35 H	116	59.49	-3.05
5	11320.00	45.16 AV	54.00	-8.84	1.35 H	116	48.21	-3.05
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5660.00	114.24 PK			1.78 V	319	77.33	36.91
2	*5660.00	104.57 AV			1.78 V	319	67.66	36.91
3	#5725.00	66.34 PK	68.20	-1.86	1.78 V	319	81.96	-15.62
4	11320.00	56.20 PK	74.00	-17.80	1.85 V	168	59.25	-3.05
5	11320.00	45.57 AV	54.00	-8.43	1.85 V	168	48.62	-3.05

Remarks:

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

RF Mode	TX 802.11ac (VHT20)	Channel	CH 136：5680 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5680.00	105.12 PK			2.16 H	281	68.12	37.00
2	*5680.00	95.02 AV			2.16 H	281	58.02	37.00
3	#5725.00	59.13 PK	68.20	-9.07	2.16 H	281	74.75	-15.62
4	11360.00	56.73 PK	74.00	-17.27	1.92 H	57	59.48	-2.75
5	11360.00	45.88 AV	54.00	-8.12	1.92 H	57	48.63	-2.75
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5680.00	111.24 PK			1.83 V	318	74.24	37.00
2	*5680.00	101.85 AV			1.83 V	318	64.85	37.00
3	#5725.00	66.02 PK	68.20	-2.18	1.83 V	318	81.64	-15.62
4	11360.00	55.54 PK	74.00	-18.46	2.86 V	156	58.29	-2.75
5	11360.00	45.51 AV	54.00	-8.49	2.86 V	156	48.26	-2.75

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 140：5700 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	98.68 PK			2.14 H	281	61.60	37.08
2	*5700.00	89.36 AV			2.14 H	281	52.28	37.08
3	#5725.00	59.12 PK	68.20	-9.08	2.14 H	281	74.74	-15.62
4	11400.00	56.97 PK	74.00	-17.03	2.35 H	76	59.43	-2.46
5	11400.00	46.61 AV	54.00	-7.39	2.35 H	76	49.07	-2.46
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	105.68 PK			1.86 V	324	68.60	37.08
2	*5700.00	95.99 AV			1.86 V	324	58.91	37.08
3	#5725.00	66.34 PK	68.20	-1.86	1.86 V	324	81.96	-15.62
4	11400.00	56.55 PK	74.00	-17.45	3.70 V	131	59.01	-2.46
5	11400.00	45.99 AV	54.00	-8.01	3.70 V	131	48.45	-2.46

Remarks:

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

RF Mode	TX 802.11ac (VHT20)	Channel	CH 144：5720 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	106.80 PK			2.14 H	281	69.75	37.05
2	*5720.00	97.22 AV			2.14 H	281	60.17	37.05
3	#5850.00	52.13 PK	68.20	-16.07	2.14 H	281	67.59	-15.46
4	11440.00	56.29 PK	74.00	-17.71	2.98 H	92	58.79	-2.50
5	11440.00	45.87 AV	54.00	-8.13	2.98 H	92	48.37	-2.50
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	113.88 PK			1.86 V	319	76.83	37.05
2	*5720.00	104.38 AV			1.86 V	319	67.33	37.05
3	#5850.00	52.73 PK	68.20	-15.47	1.86 V	319	68.19	-15.46
4	11440.00	56.49 PK	74.00	-17.51	2.15 V	182	58.99	-2.50
5	11440.00	46.12 AV	54.00	-7.88	2.15 V	182	48.62	-2.50

Remarks:

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

RF Mode	TX 802.11ac (VHT20)	Channel	CH 149：5745 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	107.57 PK			2.14 H	282	70.57	37.00
2	*5745.00	97.62 AV			2.14 H	282	60.62	37.00
3	11490.00	55.72 PK	74.00	-18.28	3.00 H	349	58.27	-2.55
4	11490.00	46.32 AV	54.00	-7.68	3.00 H	349	48.87	-2.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	114.89 PK			1.85 V	319	77.89	37.00
2	*5745.00	104.87 AV			1.85 V	319	67.87	37.00
3	11490.00	56.37 PK	74.00	-17.63	2.44 V	14	58.92	-2.55
4	11490.00	45.61 AV	54.00	-8.39	2.44 V	14	48.16	-2.55

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 157：5785 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	107.60 PK			2.13 H	280	70.61	36.99
2	*5785.00	97.47 AV			2.13 H	280	60.48	36.99
3	11570.00	55.18 PK	74.00	-18.82	2.99 H	205	58.03	-2.85
4	11570.00	46.08 AV	54.00	-7.92	2.99 H	205	48.93	-2.85
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	114.47 PK			1.82 V	318	77.48	36.99
2	*5785.00	104.51 AV			1.82 V	318	67.52	36.99
3	11570.00	55.88 PK	74.00	-18.12	1.41 V	290	58.73	-2.85
4	11570.00	45.47 AV	54.00	-8.53	1.41 V	290	48.32	-2.85

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT20)	Channel	CH 165：5825 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	106.16 PK			2.11 H	280	68.97	37.19
2	*5825.00	96.28 AV			2.11 H	280	59.09	37.19
3	11650.00	54.89 PK	74.00	-19.11	2.82 H	160	58.14	-3.25
4	11650.00	45.06 AV	54.00	-8.94	2.82 H	160	48.31	-3.25
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	114.10 PK			1.87 V	318	76.91	37.19
2	*5825.00	104.07 AV			1.87 V	318	66.88	37.19
3	11650.00	55.57 PK	74.00	-18.43	2.22 V	171	58.82	-3.25
4	11650.00	45.34 AV	54.00	-8.66	2.22 V	171	48.59	-3.25

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 38：5190 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.30 PK	74.00	-19.70	2.17 H	280	71.02	-16.72
2	5150.00	43.03 AV	54.00	-10.97	2.17 H	280	59.75	-16.72
3	*5190.00	93.47 PK			2.17 H	280	57.14	36.33
4	*5190.00	85.70 AV			2.17 H	280	49.37	36.33
5	#10380.00	53.37 PK	68.20	-14.83	3.25 H	274	57.41	-4.04
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.10 PK	74.00	-10.90	1.53 V	315	79.82	-16.72
2	5150.00	52.47 AV	54.00	-1.53	1.53 V	315	69.19	-16.72
3	*5190.00	101.79 PK			1.53 V	315	65.46	36.33
4	*5190.00	93.69 AV			1.53 V	315	57.36	36.33
5	#10380.00	54.38 PK	68.20	-13.82	1.69 V	210	58.42	-4.04

Remarks:

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

RF Mode	TX 802.11ac (VHT40)	Channel	CH 46：5230 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.34 PK	74.00	-20.66	2.41 H	280	70.06	-16.72
2	5150.00	42.67 AV	54.00	-11.33	2.41 H	280	59.39	-16.72
3	*5230.00	100.40 PK			2.14 H	280	64.11	36.29
4	*5230.00	92.77 AV			2.14 H	280	56.48	36.29
5	5350.00	52.23 PK	74.00	-21.77	2.14 H	280	68.76	-16.53
6	5350.00	42.10 AV	54.00	-11.90	2.14 H	280	58.63	-16.53
7	#10460.00	53.42 PK	68.20	-14.78	3.21 H	14	57.34	-3.92
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.81 PK	74.00	-11.19	1.76 V	315	79.53	-16.72
2	5150.00	49.92 AV	54.00	-4.08	1.76 V	315	66.64	-16.72
3	*5230.00	109.22 PK			1.76 V	315	72.93	36.29
4	*5230.00	100.97 AV			1.76 V	315	64.68	36.29
5	5350.00	54.13 PK	74.00	-19.87	1.76 V	315	70.66	-16.53
6	5350.00	43.85 AV	54.00	-10.15	1.76 V	315	60.38	-16.53
7	#10460.00	54.79 PK	68.20	-13.41	1.87 V	262	58.71	-3.92

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 54：5270 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	50.65 PK	74.00	-23.35	2.13 H	280	67.37	-16.72
2	5150.00	40.76 AV	54.00	-13.24	2.13 H	280	57.48	-16.72
3	*5270.00	101.52 PK			2.13 H	280	65.34	36.18
4	*5270.00	93.28 AV			2.13 H	280	57.10	36.18
5	5350.00	58.69 PK	74.00	-15.31	2.13 H	280	75.22	-16.53
6	5350.00	46.20 AV	54.00	-7.80	2.13 H	280	62.73	-16.53
7	#10540.00	53.55 PK	68.20	-14.65	3.64 H	147	57.42	-3.87
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.46 PK	74.00	-19.54	1.87 V	315	71.18	-16.72
2	5150.00	42.76 AV	54.00	-11.24	1.87 V	315	59.48	-16.72
3	*5270.00	108.50 PK			1.87 V	315	72.32	36.18
4	*5270.00	100.87 AV			1.87 V	315	64.69	36.18
5	5350.00	66.10 PK	74.00	-7.90	1.87 V	315	82.63	-16.53
6	5350.00	52.12 AV	54.00	-1.88	1.87 V	315	68.65	-16.53
7	#10540.00	54.27 PK	68.20	-13.93	2.31 V	74	58.14	-3.87

Remarks:

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

RF Mode	TX 802.11ac (VHT40)	Channel	CH 62：5310 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	91.94 PK			2.22 H	280	55.82	36.12
2	*5310.00	84.86 AV			2.22 H	280	48.74	36.12
3	5350.00	53.32 PK	74.00	-20.68	2.22 H	280	69.85	-16.53
4	5350.00	42.30 AV	54.00	-11.70	2.22 H	280	58.83	-16.53
5	10620.00	53.47 PK	74.00	-20.53	2.77 H	164	57.19	-3.72
6	10620.00	43.54 AV	54.00	-10.46	2.77 H	164	47.26	-3.72
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	99.98 PK			1.79 V	320	63.86	36.12
2	*5310.00	92.68 AV			1.79 V	320	56.56	36.12
3	5350.00	63.22 PK	74.00	-10.78	1.79 V	320	79.75	-16.53
4	5350.00	51.36 AV	54.00	-2.64	1.79 V	320	67.89	-16.53
5	10620.00	55.02 PK	74.00	-18.98	1.36 V	252	58.74	-3.72
6	10620.00	44.67 AV	54.00	-9.33	1.36 V	252	48.39	-3.72

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 102：5510 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	51.49 PK	74.00	-22.51	2.12 H	283	67.60	-16.11
2	5460.00	42.47 AV	54.00	-11.53	2.12 H	283	58.58	-16.11
3	#5470.00	54.59 PK	68.20	-13.61	2.12 H	283	70.70	-16.11
4	*5510.00	94.48 PK			2.12 H	283	57.91	36.57
5	*5510.00	86.66 AV			2.12 H	283	50.09	36.57
6	11020.00	53.61 PK	74.00	-20.39	3.47 H	141	57.26	-3.65
7	11020.00	43.87 AV	54.00	-10.13	3.47 H	141	47.52	-3.65
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	59.60 PK	74.00	-14.40	1.20 V	318	75.71	-16.11
2	5460.00	48.24 AV	54.00	-5.76	1.20 V	318	64.35	-16.11
3	#5470.00	65.13 PK	68.20	-3.07	1.20 V	318	81.24	-16.11
4	*5510.00	102.29 PK			1.20 V	318	65.72	36.57
5	*5510.00	94.65 AV			1.20 V	318	58.08	36.57
6	11020.00	54.76 PK	74.00	-19.24	2.93 V	241	58.41	-3.65
7	11020.00	45.02 AV	54.00	-8.98	2.93 V	241	48.67	-3.65

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 110：5550 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	53.24 PK	74.00	-20.76	1.99 H	283	69.35	-16.11
2	5460.00	43.28 AV	54.00	-10.72	1.99 H	283	59.39	-16.11
3	#5470.00	54.34 PK	68.20	-13.86	1.99 H	283	70.45	-16.11
4	*5550.00	100.31 PK			1.99 H	283	63.63	36.68
5	*5550.00	92.28 AV			1.99 H	283	55.60	36.68
6	11100.00	53.88 PK	74.00	-20.12	1.65 H	324	57.42	-3.54
7	11100.00	43.85 AV	54.00	-10.15	1.65 H	324	47.39	-3.54
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	63.43 PK	74.00	-10.57	1.70 V	319	79.54	-16.11
2	5460.00	49.07 AV	54.00	-4.93	1.70 V	319	65.18	-16.11
3	#5470.00	63.55 PK	68.20	-4.65	1.70 V	319	79.66	-16.11
4	*5550.00	109.16 PK			1.70 V	319	72.48	36.68
5	*5550.00	101.62 AV			1.70 V	319	64.94	36.68
6	11100.00	54.87 PK	74.00	-19.13	1.25 V	336	58.41	-3.54
7	11100.00	44.72 AV	54.00	-9.28	1.25 V	336	48.26	-3.54

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 134：5670 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	99.13 PK			2.18 H	316	62.18	36.95
2	*5670.00	91.32 AV			2.18 H	316	54.37	36.95
3	#5725.00	56.24 PK	68.20	-11.96	2.18 H	316	71.86	-15.62
4	11340.00	54.33 PK	74.00	-19.67	3.46 H	250	57.24	-2.91
5	11340.00	44.48 AV	54.00	-9.52	3.46 H	250	47.39	-2.91
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	106.66 PK			1.86 V	313	69.71	36.95
2	*5670.00	98.57 AV			1.86 V	313	61.62	36.95
3	#5725.00	65.23 PK	68.20	-2.97	1.86 V	313	80.85	-15.62
4	11340.00	55.36 PK	74.00	-18.64	2.96 V	241	58.27	-2.91
5	11340.00	45.38 AV	54.00	-8.62	2.96 V	241	48.29	-2.91

Remarks:

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

RF Mode	TX 802.11ac (VHT40)	Channel	CH 142：5710 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5710.00	103.37 PK			2.15 H	283	66.31	37.06
2	*5710.00	95.60 AV			2.15 H	283	58.54	37.06
3	#5850.00	55.75 PK	68.20	-12.45	2.15 H	283	71.21	-15.46
4	11420.00	54.80 PK	74.00	-19.20	2.76 H	147	57.29	-2.49
5	11420.00	44.92 AV	54.00	-9.08	2.76 H	147	47.41	-2.49
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5710.00	111.87 PK			1.12 V	317	74.81	37.06
2	*5710.00	103.98 AV			1.12 V	317	66.92	37.06
3	#5850.00	63.05 PK	68.20	-5.15	1.12 V	317	78.51	-15.46
4	11420.00	55.85 PK	74.00	-18.15	3.26 V	287	58.34	-2.49
5	11420.00	45.78 AV	54.00	-8.22	3.26 V	287	48.27	-2.49

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 151：5755 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5755.00	103.75 PK			2.13 H	315	66.76	36.99
2	*5755.00	95.82 AV			2.13 H	315	58.83	36.99
3	11510.00	54.72 PK	74.00	-19.28	2.83 H	197	57.33	-2.61
4	11510.00	44.63 AV	54.00	-9.37	2.83 H	197	47.24	-2.61
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5755.00	111.88 PK			1.17 V	317	74.89	36.99
2	*5755.00	103.52 AV			1.17 V	317	66.53	36.99
3	11510.00	56.03 PK	74.00	-17.97	3.14 V	297	58.64	-2.61
4	11510.00	45.86 AV	54.00	-8.14	3.14 V	297	48.47	-2.61

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

RF Mode	TX 802.11ac (VHT40)	Channel	CH 159：5795 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5795.00	103.28 PK			2.11 H	316	66.28	37.00
2	*5795.00	95.73 AV			2.11 H	316	58.73	37.00
3	11590.00	54.38 PK	74.00	-19.62	1.63 H	222	57.29	-2.91
4	11590.00	44.52 AV	54.00	-9.48	1.63 H	222	47.43	-2.91
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5795.00	111.10 PK			1.13 V	317	74.10	37.00
2	*5795.00	103.34 AV			1.13 V	317	66.34	37.00
3	11590.00	55.40 PK	74.00	-18.60	1.17 V	266	58.31	-2.91
4	11590.00	45.31 AV	54.00	-8.69	1.17 V	266	48.22	-2.91

Remarks:

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

RF Mode	TX 802.11ac (VHT80)	Channel	CH 42：5210 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.18 PK	74.00	-21.82	2.17 H	280	68.90	-16.72
2	5150.00	43.05 AV	54.00	-10.95	2.17 H	280	59.77	-16.72
3	*5210.00	89.38 PK			2.17 H	280	53.06	36.32
4	*5210.00	81.50 AV			2.17 H	280	45.18	36.32
5	#10420.00	53.50 PK	68.20	-14.70	1.38 H	224	57.43	-3.93
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	59.85 PK	74.00	-14.15	1.65 V	315	76.57	-16.72
2	5150.00	52.44 AV	54.00	-1.56	1.65 V	315	69.16	-16.72
3	*5210.00	97.33 PK			1.65 V	315	61.01	36.32
4	*5210.00	90.04 AV			1.65 V	315	53.72	36.32
5	#10420.00	54.39 PK	68.20	-13.81	3.78 V	254	58.32	-3.93

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT80)	Channel	CH 58：5290 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	89.12 PK			2.22 H	280	52.99	36.13
2	*5290.00	81.65 AV			2.22 H	280	45.52	36.13
3	5350.00	51.20 PK	74.00	-22.80	2.22 H	280	67.73	-16.53
4	5350.00	43.57 AV	54.00	-10.43	2.22 H	280	60.10	-16.53
5	#10580.00	53.49 PK	68.20	-14.71	3.35 H	291	57.29	-3.80
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	97.91 PK			1.67 V	320	61.78	36.13
2	*5290.00	89.42 AV			1.67 V	320	53.29	36.13
3	5350.00	59.77 PK	74.00	-14.23	1.67 V	320	76.30	-16.53
4	5350.00	51.03 AV	54.00	-2.97	1.67 V	320	67.56	-16.53
5	#10580.00	54.75 PK	68.20	-13.45	2.27 V	141	58.55	-3.80

Remarks:

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

RF Mode	TX 802.11ac (VHT80)	Channel	CH 106：5530 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	51.89 PK	74.00	-22.11	2.05 H	280	68.00	-16.11
2	5460.00	44.16 AV	54.00	-9.84	2.05 H	280	60.27	-16.11
3	#5470.00	53.53 PK	68.20	-14.67	2.05 H	280	69.64	-16.11
4	*5530.00	90.36 PK			2.05 H	280	53.74	36.62
5	*5530.00	82.04 AV			2.05 H	280	45.42	36.62
6	11060.00	53.89 PK	74.00	-20.11	2.86 H	32	57.48	-3.59
7	11060.00	43.63 AV	54.00	-10.37	2.86 H	32	47.22	-3.59
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	59.94 PK	74.00	-14.06	1.79 V	314	76.05	-16.11
2	5460.00	51.43 AV	54.00	-2.57	1.79 V	314	67.54	-16.11
3	#5470.00	64.05 PK	68.20	-4.15	1.79 V	314	80.16	-16.11
4	*5530.00	98.64 PK			1.79 V	314	62.02	36.62
5	*5530.00	90.52 AV			1.79 V	314	53.90	36.62
6	11060.00	54.68 PK	74.00	-19.32	3.14 V	225	58.27	-3.59
7	11060.00	44.75 AV	54.00	-9.25	3.14 V	225	48.34	-3.59

Remarks:

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

RF Mode	TX 802.11ac (VHT80)	Channel	CH 122：5610 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	52.27 PK	74.00	-21.73	2.09 H	282	68.38	-16.11
2	5460.00	44.63 AV	54.00	-9.37	2.09 H	282	60.74	-16.11
3	#5470.00	53.99 PK	68.20	-14.21	2.09 H	282	70.10	-16.11
4	*5610.00	98.24 PK			2.09 H	282	61.55	36.69
5	*5610.00	90.93 AV			2.09 H	282	54.24	36.69
6	#5725.00	57.03 PK	68.20	-11.17	2.09 H	282	72.65	-15.62
7	11220.00	53.93 PK	74.00	-20.07	3.39 H	140	57.41	-3.48
8	11220.00	43.74 AV	54.00	-10.26	3.39 H	140	47.22	-3.48
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	57.47 PK	74.00	-16.53	1.19 V	319	73.58	-16.11
2	5460.00	49.80 AV	54.00	-4.20	1.19 V	319	65.91	-16.11
3	#5470.00	60.30 PK	68.20	-7.90	1.19 V	319	76.41	-16.11
4	*5610.00	105.02 PK			1.19 V	319	68.33	36.69
5	*5610.00	98.18 AV			1.19 V	319	61.49	36.69
6	#5725.00	65.61 PK	68.20	-2.59	1.19 V	319	81.23	-15.62
7	11220.00	54.66 PK	74.00	-19.34	2.30 V	297	58.14	-3.48
8	11220.00	44.85 AV	54.00	-9.15	2.30 V	297	48.33	-3.48

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT80)	Channel	CH 138：5690 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	52.49 PK	74.00	-21.51	2.15 H	281	68.60	-16.11
2	5460.00	44.85 AV	54.00	-9.15	2.15 H	281	60.96	-16.11
3	#5470.00	52.90 PK	68.20	-15.30	2.15 H	281	69.01	-16.11
4	*5690.00	102.83 PK			2.15 H	281	65.79	37.04
5	*5690.00	94.69 AV			2.15 H	281	57.65	37.04
6	#5850.00	58.89 PK	68.20	-9.31	2.15 H	281	74.35	-15.46
7	11380.00	54.65 PK	74.00	-19.35	2.51 H	65	57.26	-2.61
8	11380.00	44.57 AV	54.00	-9.43	2.51 H	65	47.18	-2.61
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	58.34 PK	74.00	-15.66	1.09 V	307	74.45	-16.11
2	5460.00	50.45 AV	54.00	-3.55	1.09 V	307	66.56	-16.11
3	#5470.00	59.22 PK	68.20	-8.98	1.09 V	307	75.33	-16.11
4	*5690.00	107.72 PK			1.09 V	307	70.68	37.04
5	*5690.00	101.29 AV			1.09 V	307	64.25	37.04
6	#5850.00	66.42 PK	68.20	-1.78	1.09 V	307	81.88	-15.46
7	11380.00	55.50 PK	74.00	-18.50	2.04 V	360	58.11	-2.61
8	11380.00	45.42 AV	54.00	-8.58	2.04 V	360	48.03	-2.61

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ac (VHT80)	Channel	CH 155：5775 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5775.00	101.75 PK			2.29 H	316	64.76	36.99
2	*5775.00	93.16 AV			2.29 H	316	56.17	36.99
3	11550.00	54.59 PK	74.00	-19.41	3.86 H	107	57.35	-2.76
4	11550.00	44.35 AV	54.00	-9.65	3.86 H	107	47.11	-2.76
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5775.00	107.70 PK			1.02 V	328	70.71	36.99
2	*5775.00	98.98 AV			1.02 V	328	61.99	36.99
3	11550.00	55.50 PK	74.00	-18.50	1.04 V	272	58.26	-2.76
4	11550.00	45.41 AV	54.00	-8.59	1.04 V	272	48.17	-2.76

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

Below 1 GHz Worst-Case Data:

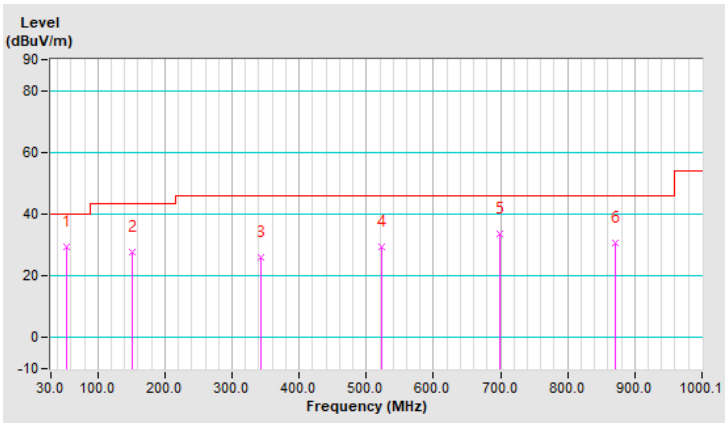
Ant. 2

RF Mode	TX 802.11ac (VHT20)	Channel	CH 157：5785 MHz
Frequency Range	9kHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	54.25	29.42 QP	40.00	-10.58	3.68 H	186	42.28	-12.86
2	152.23	27.64 QP	43.50	-15.86	1.95 H	58	39.86	-12.22
3	343.34	25.94 QP	46.00	-20.06	1.55 H	189	36.47	-10.53
4	522.81	29.32 QP	46.00	-16.68	1.71 H	265	34.99	-5.67
5	698.40	33.46 QP	46.00	-12.54	2.24 H	327	35.30	-1.84
6	870.11	30.77 QP	46.00	-15.23	2.94 H	28	29.49	1.28

Remarks:

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

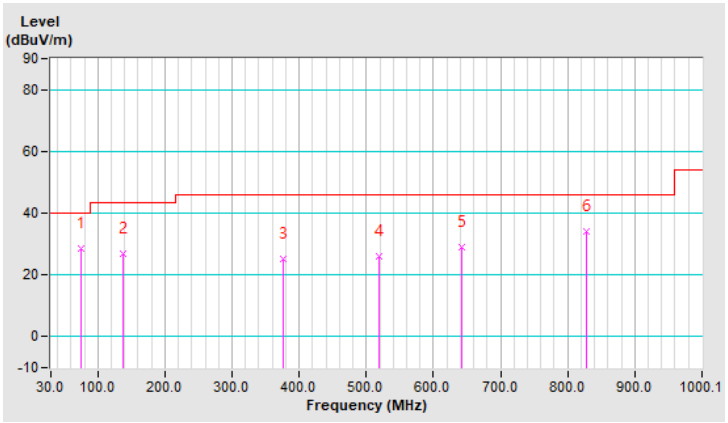


RF Mode	TX 802.11ac (VHT20)	Channel	CH 157：5785 MHz
Frequency Range	9kHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	74.62	28.41 QP	40.00	-11.59	1.09 V	70	44.45	-16.04
2	137.68	26.84 QP	43.50	-16.66	2.53 V	311	39.51	-12.67
3	376.33	24.97 QP	46.00	-21.03	1.03 V	254	34.61	-9.64
4	518.93	26.21 QP	46.00	-19.79	2.36 V	187	31.95	-5.74
5	642.13	29.04 QP	46.00	-16.96	1.79 V	285	31.65	-2.61
6	827.42	34.11 QP	46.00	-11.89	2.61 V	298	33.23	0.88

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB 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 0.50 MHz.

4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver ROHDE & SCHWARZ	ESCI	100613	Dec. 03, 2021	Dec. 02, 2022
RF signal cable Woken	5D-FB	Cable-cond1-01	Jan. 15, 2022	Jan. 14, 2023
LISN/AMN ROHDE & SCHWARZ (EUT)	ENV216	101826	Feb. 25, 2021	Feb. 24, 2022
LISN/AMN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100311	Sep. 07, 2021	Sep. 06, 2022
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 1 (Conduction 1).
3. The VCCI Site Registration No. is C-12040.
4. Test Date: 2022/2/22

4.2.3 Test Procedures

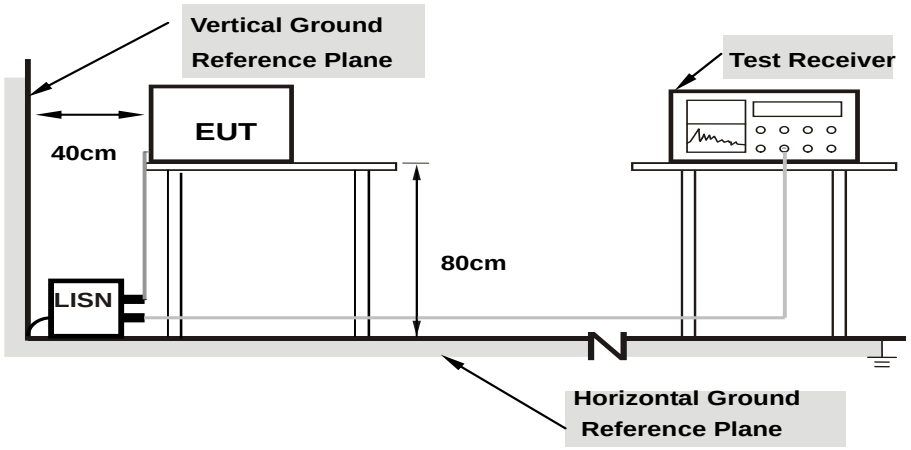
a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling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

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

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



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

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

4.2.6 EUT Operating Conditions

a. Placed the EUT on a testing table.
b. Use the software to control the EUT under transmission condition continuously at specific channel frequency.

4.2.7 Test Results

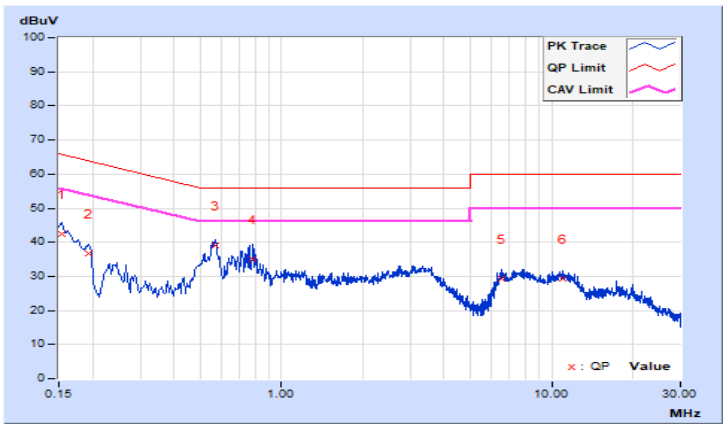
Ant. 2

Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	Environmental Conditions	18 °C, 63% RH
Tested by	Thomas Cheng		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	9.66	32.72	24.44	42.38	34.10	65.78	55.78	-23.40	-21.68
2	0.19316	9.68	27.09	15.80	36.77	25.48	63.90	53.90	-27.13	-28.42
3	0.56591	9.72	29.27	20.15	38.99	29.87	56.00	46.00	-17.01	-16.13
4	0.78600	9.73	25.35	13.16	35.08	22.89	56.00	46.00	-20.92	-23.11
5	6.50600	9.79	19.64	10.66	29.43	20.45	60.00	50.00	-30.57	-29.55
6	11.03000	9.82	19.46	10.52	29.28	20.34	60.00	50.00	-30.72	-29.66

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

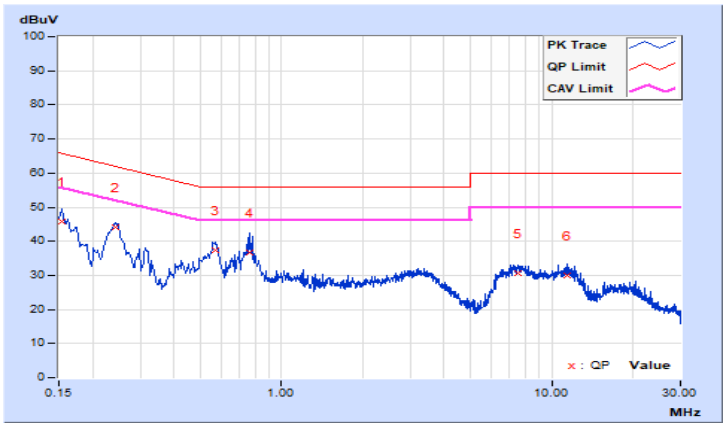


Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	Environmental Conditions	18 °C, 63% RH
Tested by	Thomas Cheng		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	9.74	36.20	25.17	45.94	34.91	65.78	55.78	-19.84	-20.87
2	0.24164	9.76	34.42	22.02	44.18	31.78	62.04	52.04	-17.86	-20.26
3	**0.56591**	**9.79**	**27.68**	**20.31**	**37.47**	**30.10**	**56.00**	**46.00**	**-18.53**	**-15.90**
4	0.75800	9.80	26.78	14.51	36.58	24.31	56.00	46.00	-19.42	-21.69
5	7.52200	9.88	20.69	13.67	30.57	23.55	60.00	50.00	-29.43	-26.45
6	11.37400	9.92	20.03	10.97	29.95	20.89	60.00	50.00	-30.05	-29.11

Remarks:

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



4.3 Transmit Power Measurement

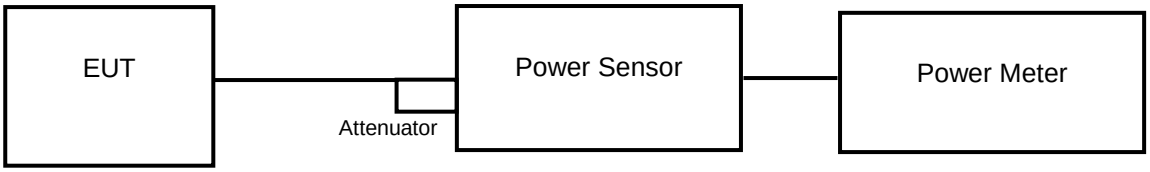
4.3.1 Limits of Transmit Power Measurement

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

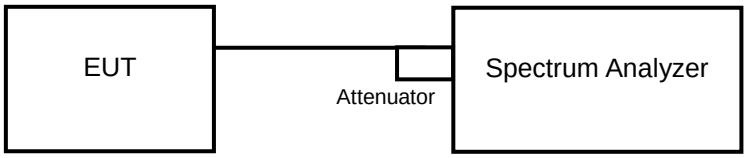
*B is the 26 dB emission bandwidth in megahertz

4.3.2 Test Setup

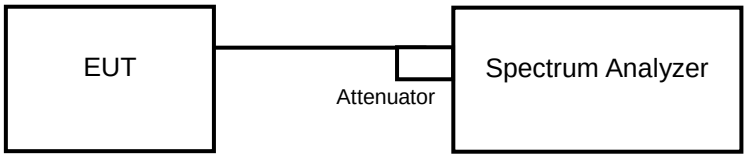
<Power Output Measurement>



or



<26 dB Bandwidth>



4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.4 Test Procedure

Average Power Measurement

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

For transmission above 5.725 GHz where the EBW crosses 5.725 GHz
For channel aggregation (channel 138, 142, 144) measurement refer to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II E 2 e) method SA-2A.

26dB Bandwidth

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

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Conditions

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

4.3.7 Test Results

Ant. 1

Power Output:

802.11a

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)	Duty Factor (dB)	Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	19.87	-	97.051	19.87	24	Pass
40	5200	21.69	-	147.571	21.69	24	Pass
48	5240	18.82	-	76.208	18.82	24	Pass
52	5260	18.89	-	77.446	18.89	24	Pass
60	5300	22.00	-	158.489	22.00	24	Pass
64	5320	18.89	-	77.446	18.89	24	Pass
100	5500	17.79	-	60.117	17.79	24	Pass
116	5580	21.71	-	148.252	21.71	24	Pass
132	5660	21.88	-	154.17	21.88	24	Pass
136	5680	20.89	-	122.744	20.89	24	Pass
140	5700	15.88	-	38.726	15.88	24	Pass
144	5720 (U-NII-2C)	20.80	0.12	123.599	20.92	24	Pass
144	5720 (U-NII-3)	13.70	0.12	24.1	13.82	30	Pass
149	5745	21.96	-	157.036	21.96	30	Pass
157	5785	22.18	-	165.196	22.18	30	Pass
165	5825	22.00	-	158.489	22.00	30	Pass

Note:

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

1. 11 dBm + 10log (37.05) = 26.69 dBm > 24 dBm.
2. 11 dBm + 10log (48.39) = 27.85 dBm > 24 dBm.
3. 11 dBm + 10log (38.44) = 26.85 dBm > 24 dBm.
4. 11 dBm + 10log (36.33) = 26.60 dBm > 24 dBm.
5. 11 dBm + 10log (48.29) = 27.84 dBm > 24 dBm.
6. 11 dBm + 10log (48.27) = 27.84 dBm > 24 dBm.
7. 11 dBm + 10log (44.38) = 27.47 dBm > 24 dBm.
8. 11 dBm + 10log (22.10) = 24.44 dBm > 24 dBm.
9. 11 dBm + 10log (26.79) = 25.28 dBm > 24 dBm.

802.11ac (VHT20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)	Duty Factor (dB)	Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	18.86	-	76.913	18.86	24	Pass
40	5200	21.76	-	**149.968**	**21.76**	24	Pass
48	5240	18.85	-	76.736	18.85	24	Pass
52	5260	19.05	-	80.353	19.05	24	Pass
60	5300	22.03	-	**159.588**	**22.03**	24	Pass
64	5320	19.75	-	94.406	19.75	24	Pass
100	5500	18.83	-	76.384	18.83	24	Pass
116	5580	21.78	-	150.661	21.78	24	Pass
132	5660	21.92	-	**155.597**	**21.92**	24	Pass
136	5680	19.76	-	94.624	19.76	24	Pass
140	5700	16.83	-	48.195	16.83	24	Pass
144	5720 (U-NII-2C)	20.46	0.32	119.617	20.78	24	Pass
144	5720 (U-NII-3)	13.88	0.32	26.29	14.20	30	Pass
149	5745	21.90	-	154.882	21.90	30	Pass
157	5785	22.20	-	**165.959**	**22.20**	30	Pass
165	5825	22.18	-	165.196	22.18	30	Pass

Note:

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

1. 11 dBm + 10log (40.09) = 27.03 dBm > 24 dBm.
2. 11 dBm + 10log (51.71) = 28.14 dBm > 24 dBm.
3. 11 dBm + 10log (45.86) = 27.61 dBm > 24 dBm.
4. 11 dBm + 10log (42.42) = 27.28 dBm > 24 dBm.
5. 11 dBm + 10log (56.73) = 28.54 dBm > 24 dBm.
6. 11 dBm + 10log (51.36) = 28.11 dBm > 24 dBm.
7. 11 dBm + 10log (46.88) = 27.71 dBm > 24 dBm.
8. 11 dBm + 10log (28.20) = 25.50 dBm > 24 dBm.
9. 11 dBm + 10log (28.13) = 25.49 dBm > 24 dBm.

802.11ac (VHT40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)	Duty Factor (dB)	Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	14.92	-	31.046	14.92	24	Pass
46	5230	18.86	-	76.913	18.86	24	Pass
54	5270	21.81	-	151.705	21.81	24	Pass
62	5310	14.73	-	29.717	14.73	24	Pass
102	5510	14.82	-	30.339	14.82	24	Pass
110	5550	21.91	-	155.239	21.91	24	Pass
134	5670	18.86	-	76.913	18.86	24	Pass
142	5710 (U-NII-2C)	20.62	0.63	133.303	21.25	24	Pass
142	5710 (U-NII-3)	10.04	0.63	11.664	10.67	30	Pass
151	5755	21.84	-	152.757	21.84	30	Pass
159	5795	21.79	-	151.008	21.79	30	Pass

Note:

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

1. 11 dBm + 10log (93.92) = 30.73 dBm > 24 dBm.
2. 11 dBm + 10log (43.28) = 27.36 dBm > 24 dBm.
3. 11 dBm + 10log (48.62) = 27.87 dBm > 24 dBm.
4. 11 dBm + 10log (108.91) = 31.37 dBm > 24 dBm.
5. 11 dBm + 10log (86.07) = 30.35 dBm > 24 dBm.
6. 11 dBm + 10log (65.13) = 29.14 dBm > 24 dBm.

802.11ac (VHT80)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)	Duty Factor (dB)	Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	13.65	-	23.174	13.65	24	Pass
58	5290	12.75	-	18.836	12.75	24	Pass
106	5530	12.93	-	19.634	12.93	24	Pass
122	5610	18.79	-	75.683	18.79	24	Pass
138	5690 (U-NII-2C)	18.79	2.56	136.585	21.35	24	Pass
138	5690 (U-NII-3)	5.13	2.56	5.88	7.69	30	Pass
155	5775	20.81	-	120.504	20.81	30	Pass

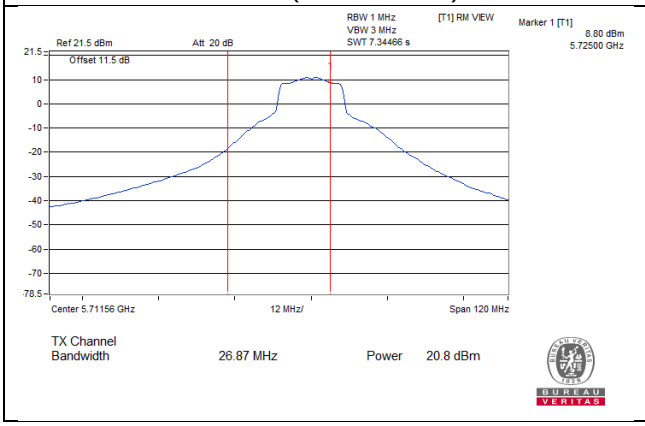
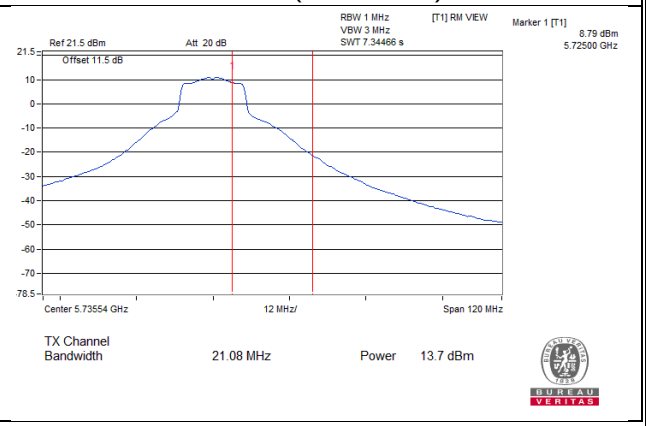
Note:

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

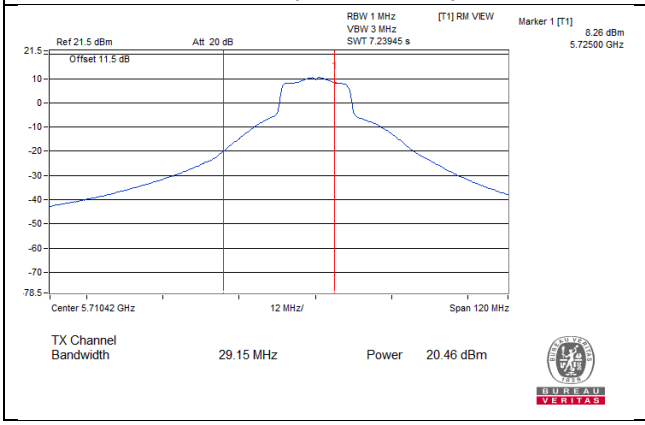
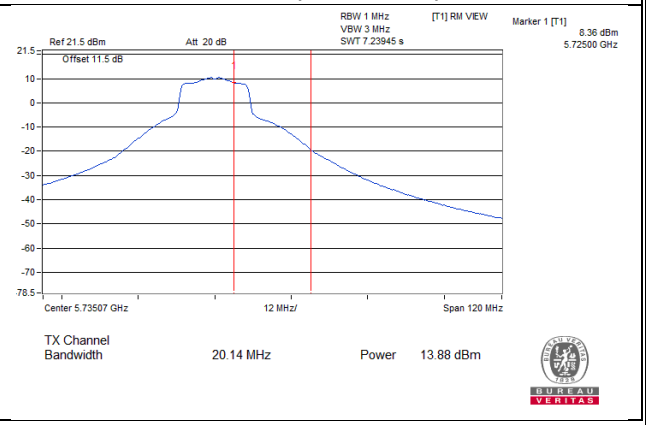
1. 11 dBm + 10log (82.11) = 30.14 dBm > 24 dBm.
2. 11 dBm + 10log (81.69) = 30.12 dBm > 24 dBm.
3. 11 dBm + 10log (144.25) = 32.59 dBm > 24 dBm.
4. 11 dBm + 10log (126.68) = 32.03 dBm > 24 dBm.

Straddle channel power plots:

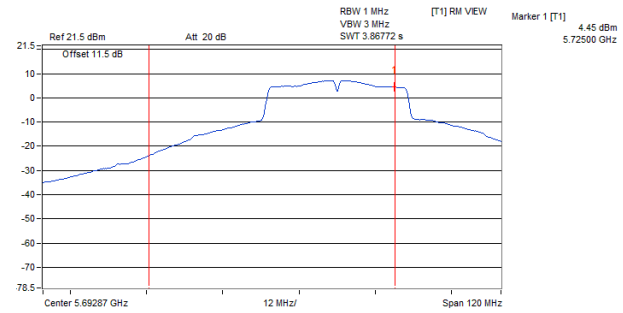
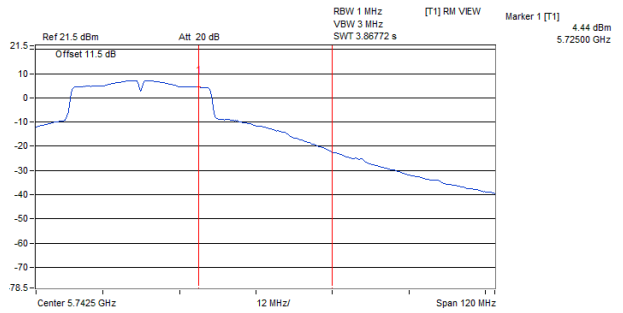
802.11a

CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
	
TX Channel Bandwidth 26.87 MHz Power 20.8 dBm	TX Channel Bandwidth 21.08 MHz Power 13.7 dBm

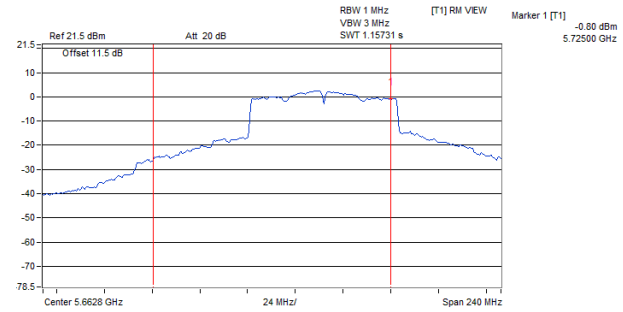
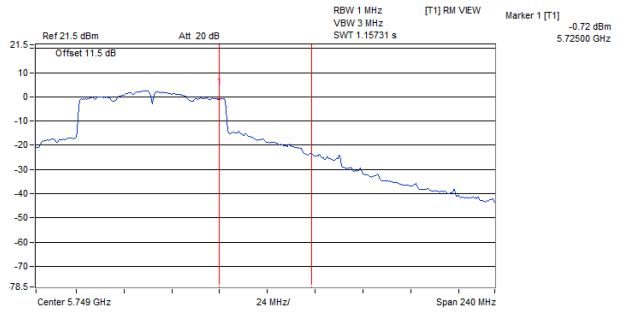
802.11ac (VHT20)

CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
	
TX Channel Bandwidth 29.15 MHz Power 20.46 dBm	TX Channel Bandwidth 20.14 MHz Power 13.88 dBm

802.11ac (VHT40)

CH 142 (For U-NII-2C)	CH 142 (For U-NII-3)
 TX Channel Bandwidth 64.25 MHz Power 20.62 dBm	 TX Channel Bandwidth 35 MHz Power 10.04 dBm

802.11ac (VHT80)

CH 138 (For U-NII-2C)	CH 138 (For U-NII-3)
 TX Channel Bandwidth 124.39 MHz Power 18.79 dBm	 TX Channel Bandwidth 48.01 MHz Power 5.13 dBm

26 dB Bandwidth:

802.11a

Channel	Frequency (MHz)	26 dBc Bandwidth (MHz)
52	5260	37.05
60	5300	48.39
64	5320	38.44
100	5500	36.33
116	5580	48.29
132	5660	48.27
136	5680	44.38
140	5700	22.10
144	5720 (U-NII-2C)	26.79

802.11ac (VHT20)

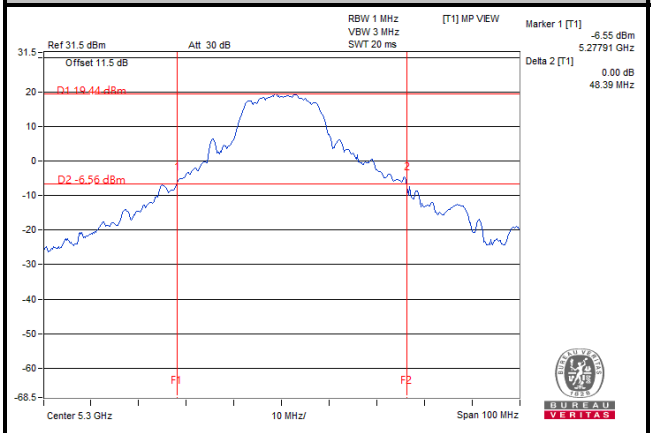
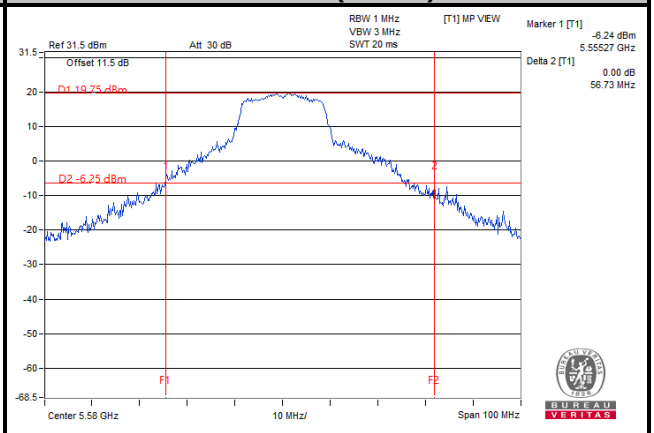
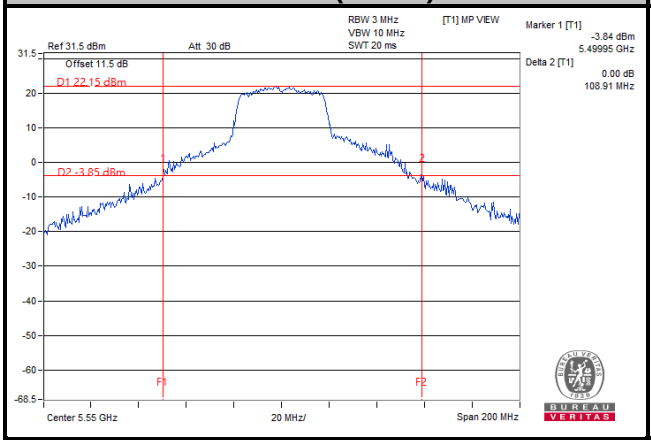
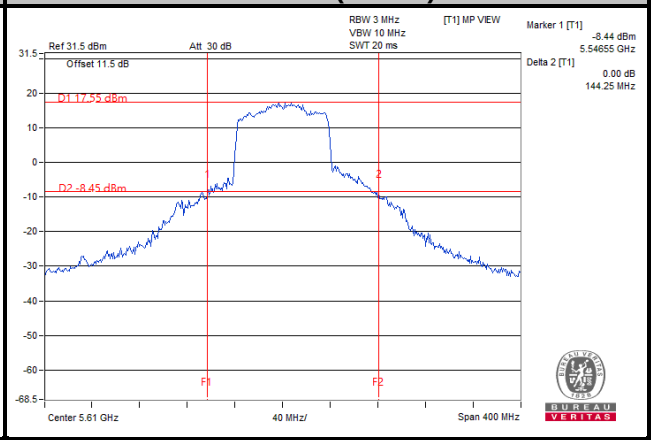
Channel	Frequency (MHz)	26 dBc Bandwidth (MHz)
52	5260	40.09
60	5300	51.71
64	5320	45.86
100	5500	42.42
116	5580	56.73
132	5660	51.36
136	5680	46.88
140	5700	28.20
144	5720 (U-NII-2C)	28.13

802.11ac (VHT40)

Channel	Frequency (MHz)	26 dBc Bandwidth (MHz)
54	5270	93.92
62	5310	43.28
102	5510	48.62
110	5550	108.91
134	5670	86.07
142	5710 (U-NII-2C)	65.13

802.11ac (VHT80)

Channel	Frequency (MHz)	26 dBc Bandwidth (MHz)
58	5290	82.11
106	5530	81.69
122	5610	144.25
138	5690 (U-NII-2C)	126.68

Spectrum Plot of Worst Value	
802.11a	802.11ac (VHT20)
	
802.11ac (VHT40)	802.11ac (VHT80)
	

Ant. 2

Power Output:

802.11a

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)	Duty Factor (dB)	Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	17.46	-	55.719	17.46	24	Pass
40	5200	20.48	-	**111.686**	**20.48**	24	Pass
48	5240	18.75	-	74.989	18.75	24	Pass
52	5260	18.63	-	72.946	18.63	24	Pass
60	5300	21.78	-	150.661	21.78	24	Pass
64	5320	17.61	-	57.677	17.61	24	Pass
100	5500	17.69	-	58.749	17.69	24	Pass
116	5580	21.35	-	136.458	21.35	24	Pass
132	5660	21.33	-	135.831	21.33	24	Pass
136	5680	20.43	-	110.408	20.43	24	Pass
140	5700	14.55	-	28.51	14.55	24	Pass
144	5720 (U-NII-2C)	20.39	0.12	112.388	20.51	24	Pass
144	5720 (U-NII-3)	13.21	0.12	21.514	13.33	30	Pass
149	5745	21.98	-	157.761	21.98	30	Pass
157	5785	22.12	-	162.93	22.12	30	Pass
165	5825	22.04	-	159.956	22.04	30	Pass

Note:

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

1. 11 dBm + 10log (35.94) = 26.56 dBm > 24 dBm.
2. 11 dBm + 10log (48.41) = 27.85 dBm > 24 dBm.
3. 11 dBm + 10log (35.63) = 26.52 dBm > 24 dBm.
4. 11 dBm + 10log (36.19) = 26.59 dBm > 24 dBm.
5. 11 dBm + 10log (47.97) = 27.81 dBm > 24 dBm.
6. 11 dBm + 10log (48.45) = 27.85 dBm > 24 dBm.
7. 11 dBm + 10log (43.82) = 27.42 dBm > 24 dBm.
8. 11 dBm + 10log (21.86) = 24.40 dBm > 24 dBm.
9. 11 dBm + 10log (26.85) = 25.29 dBm > 24 dBm.

802.11ac (VHT20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)	Duty Factor (dB)	Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	17.28	-	53.456	17.28	24	Pass
40	5200	20.45	-	110.917	20.45	24	Pass
48	5240	18.60	-	72.444	18.60	24	Pass
52	5260	18.64	-	73.114	18.64	24	Pass
60	5300	21.25	-	133.352	21.25	24	Pass
64	5320	17.24	-	52.966	17.24	24	Pass
100	5500	17.38	-	54.702	17.38	24	Pass
116	5580	21.36	-	136.773	21.36	24	Pass
132	5660	21.39	-	137.721	21.39	24	Pass
136	5680	19.21	-	83.368	19.21	24	Pass
140	5700	14.27	-	26.73	14.27	24	Pass
144	5720 (U-NII-2C)	20.41	0.32	118.323	20.73	24	Pass
144	5720 (U-NII-3)	13.79	0.32	25.767	14.11	30	Pass
149	5745	22.10	-	162.181	22.10	30	Pass
157	5785	22.20	-	**165.959**	**22.20**	30	Pass
165	5825	22.16	-	164.437	22.16	30	Pass

Note:

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

1. 11 dBm + 10log (42.90) = 27.32 dBm > 24 dBm.
2. 11 dBm + 10log (53.53) = 28.29 dBm > 24 dBm.
3. 11 dBm + 10log (38.62) = 26.87 dBm > 24 dBm.
4. 11 dBm + 10log (38.16) = 26.82 dBm > 24 dBm.
5. 11 dBm + 10log (49.12) = 27.91 dBm > 24 dBm.
6. 11 dBm + 10log (52.21) = 28.18 dBm > 24 dBm.
7. 11 dBm + 10log (45.88) = 27.62 dBm > 24 dBm.
8. 11 dBm + 10log (21.96) = 24.42 dBm > 24 dBm.
9. 11 dBm + 10log (28.75) = 25.59 dBm > 24 dBm.

802.11ac (VHT40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)	Duty Factor (dB)	Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	14.36	-	27.29	14.36	24	Pass
46	5230	19.95	-	98.855	19.95	24	Pass
54	5270	22.16	-	**164.437**	**22.16**	24	Pass
62	5310	12.23	-	16.711	12.23	24	Pass
102	5510	13.29	-	21.33	13.29	24	Pass
110	5550	19.31	-	85.31	19.31	24	Pass
134	5670	16.15	-	41.21	16.15	24	Pass
142	5710 (U-NII-2C)	20.62	0.62	132.958	21.24	24	Pass
142	5710 (U-NII-3)	10.04	0.62	11.634	10.66	30	Pass
151	5755	22.11	-	162.555	22.11	30	Pass
159	5795	22.15	-	164.059	22.15	30	Pass

Note:

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

1. 11 dBm + 10log (95.92) = 30.82 dBm > 24 dBm.
2. 11 dBm + 10log (45.15) = 27.55 dBm > 24 dBm.
3. 11 dBm + 10log (46.35) = 27.66 dBm > 24 dBm.
4. 11 dBm + 10log (97.75) = 30.90 dBm > 24 dBm.
5. 11 dBm + 10log (61.80) = 28.91 dBm > 24 dBm.
6. 11 dBm + 10log (65.18) = 29.14 dBm > 24 dBm.

802.11ac (VHT80)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)	Duty Factor (dB)	Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	11.41	-	13.836	11.41	24	Pass
58	5290	10.68	-	11.695	10.68	24	Pass
106	5530	10.48	-	11.169	10.48	24	Pass
122	5610	17.19	-	52.36	17.19	24	Pass
138	5690 (U-NII-2C)	18.94	2.55	**140.773**	**21.49**	24	Pass
138	5690 (U-NII-3)	5.33	2.55	6.131	7.88	30	Pass
155	5775	19.65	-	92.257	19.65	30	Pass

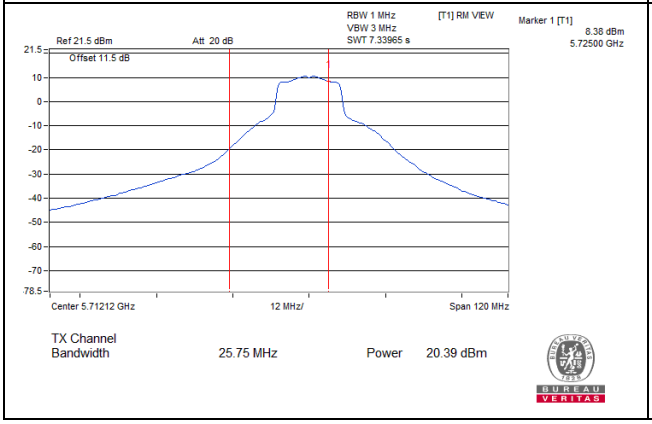
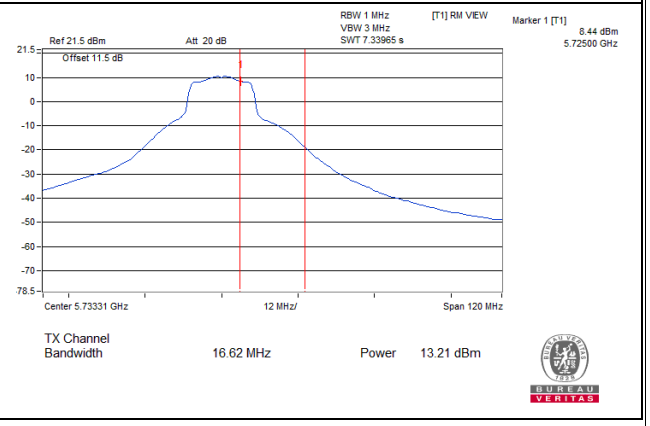
Note:

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

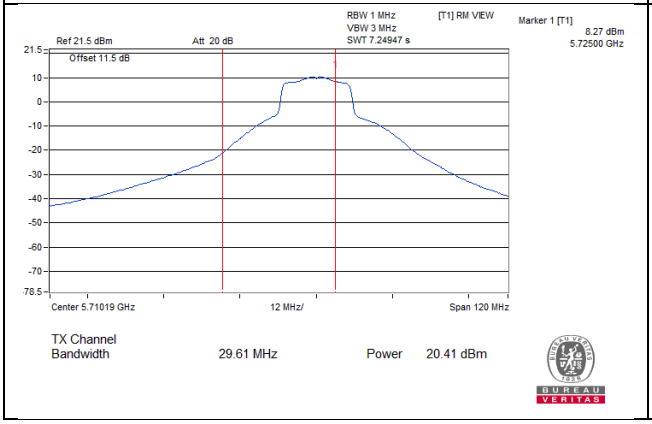
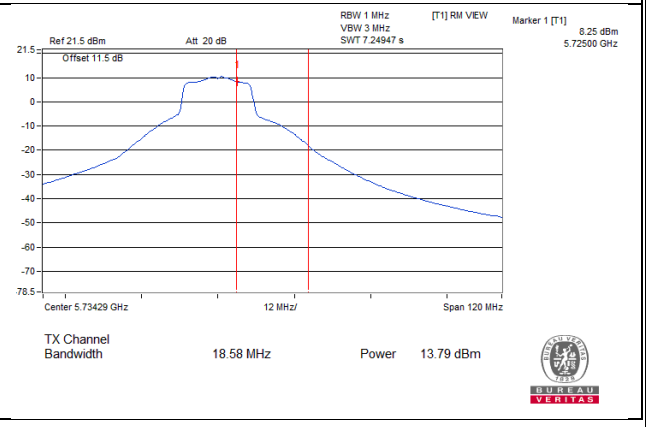
1. 11 dBm + 10log (82.12) = 30.14 dBm > 24 dBm.
2. 11 dBm + 10log (81.80) = 30.13 dBm > 24 dBm.
3. 11 dBm + 10log (133.87) = 32.27 dBm > 24 dBm.
4. 11 dBm + 10log (123.25) = 31.91 dBm > 24 dBm.

Straddle channel power plots:

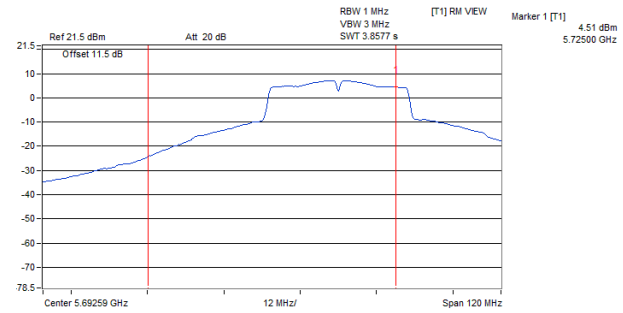
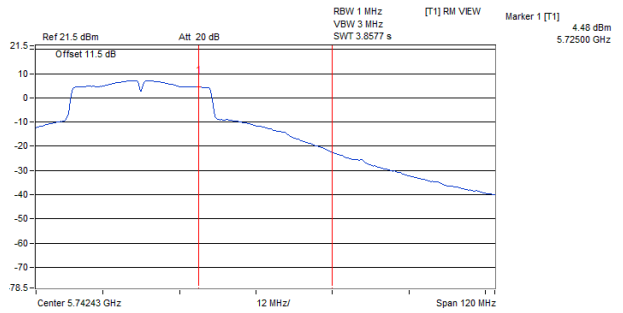
802.11a

CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
	

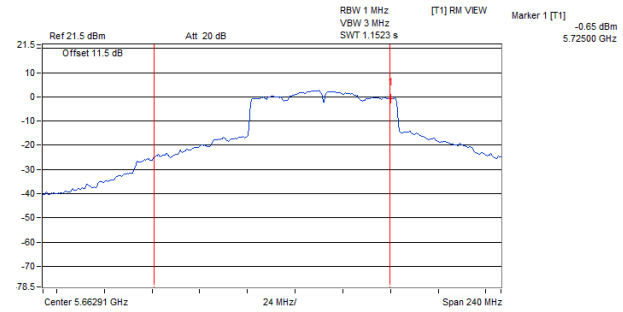
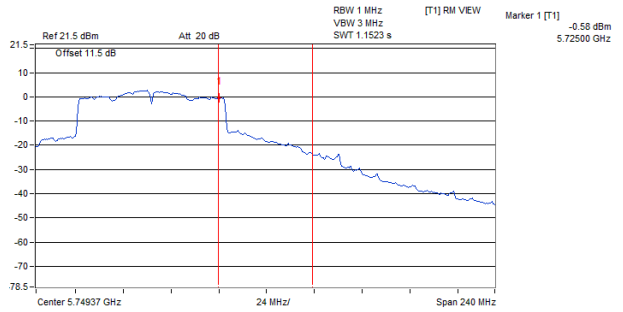
802.11ac (VHT20)

CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
	

802.11ac (VHT40)

CH 142 (For U-NII-2C)	CH 142 (For U-NII-3)
	
TX Channel Bandwidth 64.81 MHz Power 20.62 dBm	TX Channel Bandwidth 34.87 MHz Power 10.04 dBm

802.11ac (VHT80)

CH 138 (For U-NII-2C)	CH 138 (For U-NII-3)
	
TX Channel Bandwidth 124.18 MHz Power 18.94 dBm	TX Channel Bandwidth 48.75 MHz Power 5.33 dBm

26 dB Bandwidth:

802.11a

Channel	Frequency (MHz)	26 dBc Bandwidth (MHz)
52	5260	35.94
60	5300	48.41
64	5320	35.63
100	5500	36.19
116	5580	47.97
132	5660	48.45
136	5680	43.82
140	5700	21.86
144	5720 (U-NII-2C)	26.85

802.11ac (VHT20)

Channel	Frequency (MHz)	26 dBc Bandwidth (MHz)
52	5260	42.90
60	5300	53.53
64	5320	38.62
100	5500	38.16
116	5580	49.12
132	5660	52.21
136	5680	45.88
140	5700	21.96
144	5720 (U-NII-2C)	28.75

802.11ac (VHT40)

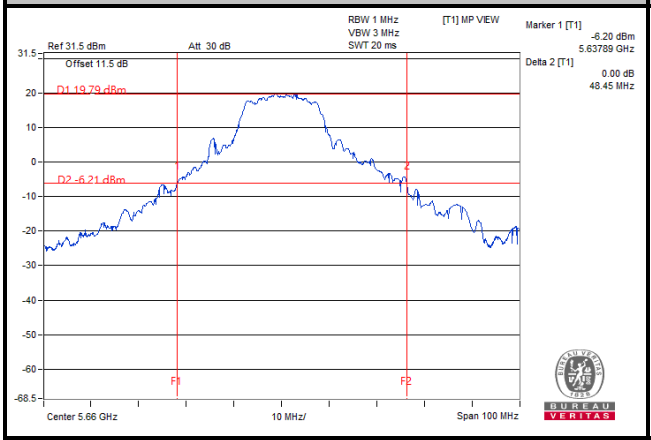
Channel	Frequency (MHz)	26 dBc Bandwidth (MHz)
54	5270	95.92
62	5310	45.15
102	5510	46.35
110	5550	97.75
134	5670	61.80
142	5710 (U-NII-2C)	65.18

802.11ac (VHT80)

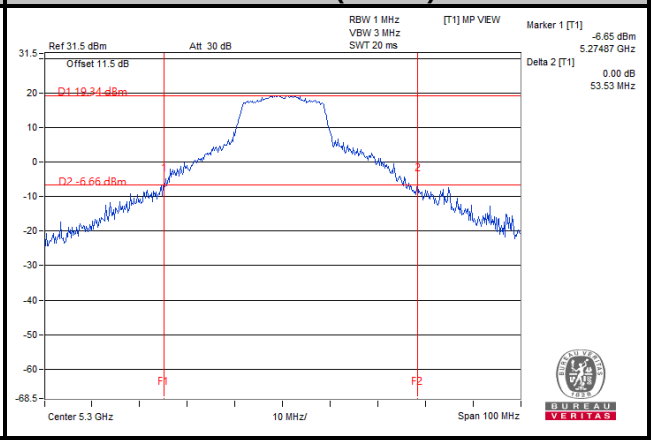
Channel	Frequency (MHz)	26 dBc Bandwidth (MHz)
58	5290	82.12
106	5530	81.80
122	5610	133.87
138	5690 (U-NII-2C)	123.25

Spectrum Plot of Worst Value

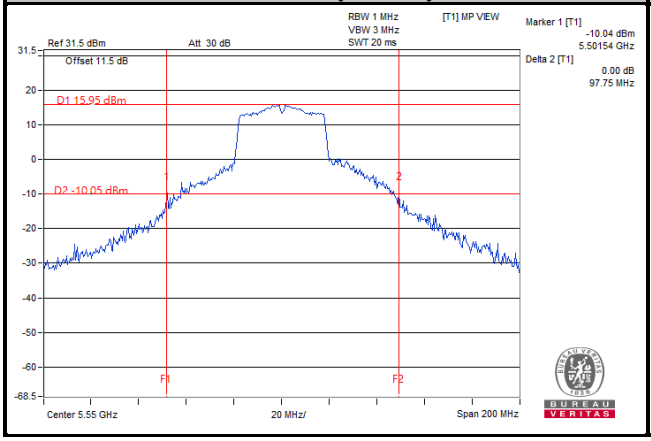
802.11a



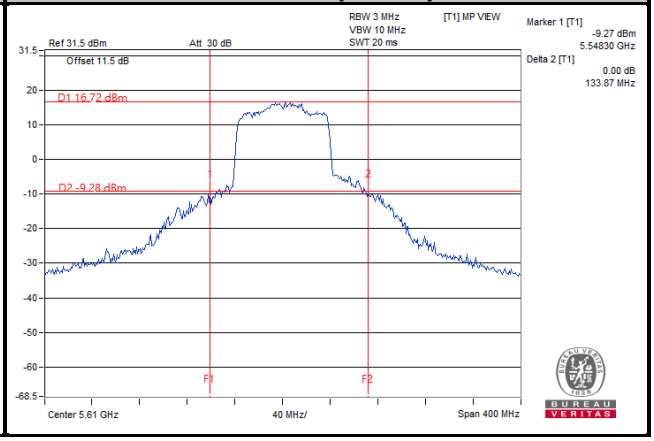
802.11ac (VHT20)



802.11ac (VHT40)

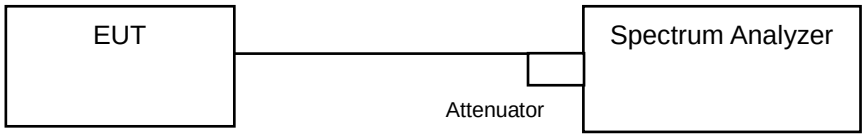


802.11ac (VHT80)



4.4 Occupied Bandwidth Measurement

4.4.1 Test Setup



4.4.2 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.3 Test Procedure

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

4.4.4 Test Results

Ant. 1

802.11a

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	19.80
40	5200	25.56
48	5240	18.30
52	5260	19.20
60	5300	29.76
64	5320	19.08
100	5500	17.76
116	5580	30.12
132	5660	29.64
136	5680	28.44
140	5700	17.04
144	5720 (U-NII-2C)	20.24
144	5720 (U-NII-3)	10.96
149	5745	33.90
157	5785	35.28
165	5825	34.20

802.11ac (VHT20)

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.60
40	5200	25.68
48	5240	18.84
52	5260	19.92
60	5300	32.16
64	5320	23.76
100	5500	19.20
116	5580	32.04
132	5660	32.04
136	5680	23.28
140	5700	18.24
144	5720 (U-NII-2C)	21.08
144	5720 (U-NII-3)	12.40
149	5745	36.60
157	5785	37.08
165	5825	37.08

802.11ac (VHT40)

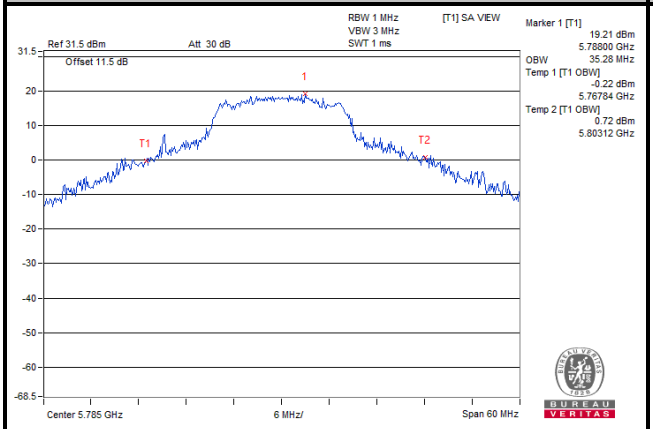
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)
38	5190	36.60
46	5230	36.96
54	5270	42.78
62	5310	36.60
102	5510	36.60
110	5550	45.96
134	5670	37.68
142	5710 (U-NII-2C)	38.16
142	5710 (U-NII-3)	9.60
151	5755	48.72
159	5795	48.84

802.11ac (VHT80)

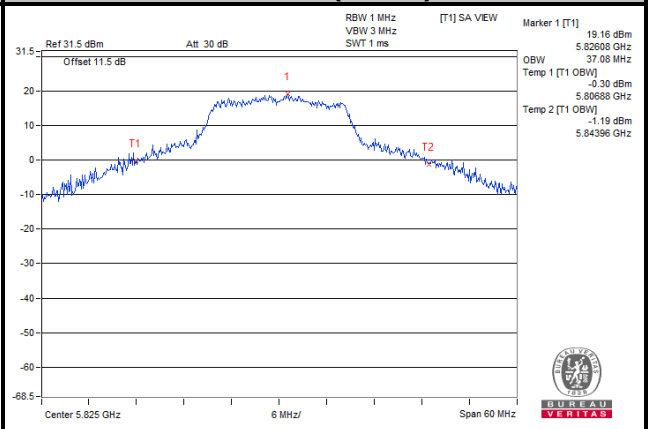
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)
42	5210	75.60
58	5290	75.84
106	5530	75.60
122	5610	76.08
138	5690 (U-NII-2C)	74.60
138	5690 (U-NII-3)	10.36
155	5775	93.12

Spectrum Plot of Worst Value

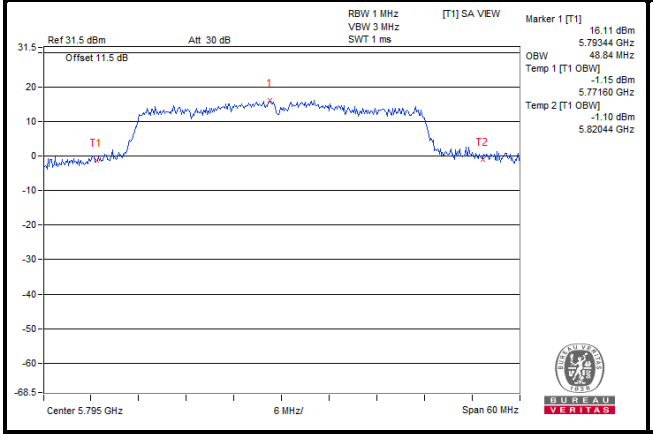
802.11a



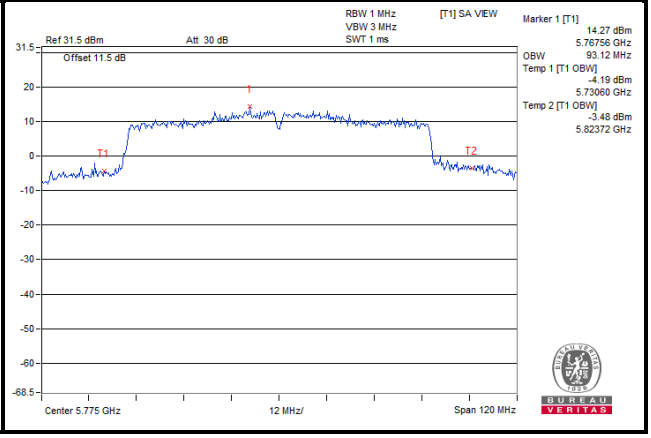
802.11ac (VHT20)

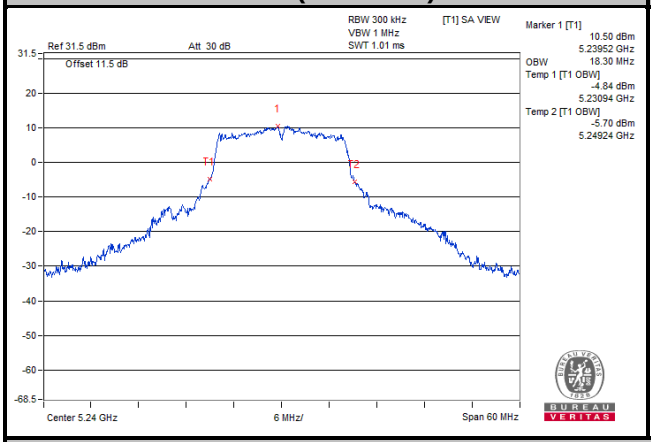
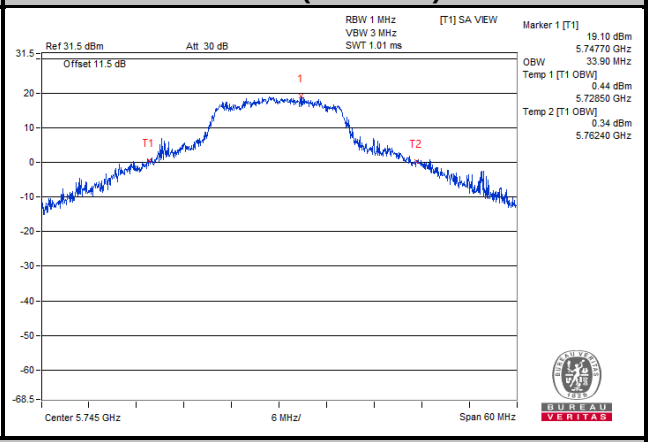
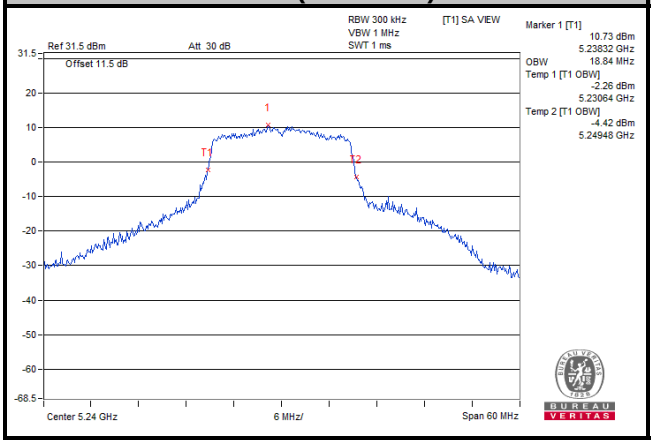
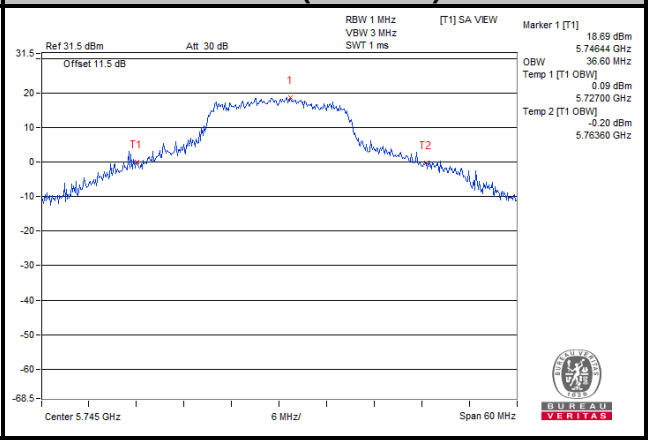


802.11ac (VHT40)



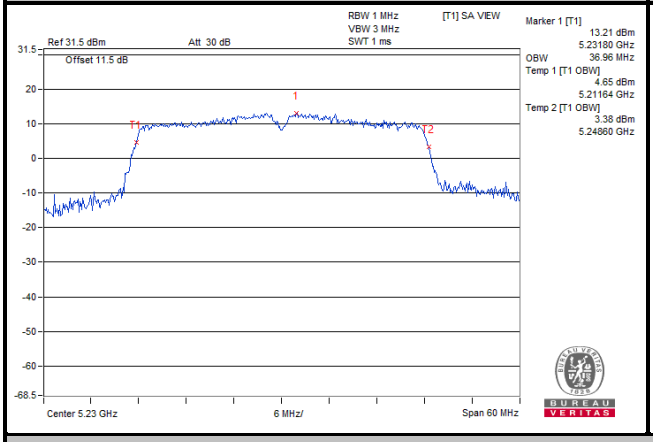
802.11ac (VHT80)



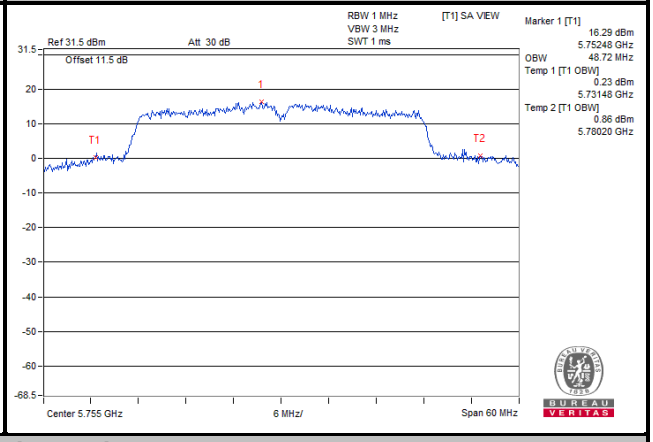
Spectrum Plot for Nearby DFS Band	
802.11a	
Ch 48 (5240 MHz)	Ch 149 (5745 MHz)
	
802.11ac (VHT20)	
Ch 48 (5240 MHz)	Ch 149 (5745 MHz)
	

802.11ac (VHT40)

Ch 46 (5230 MHz)

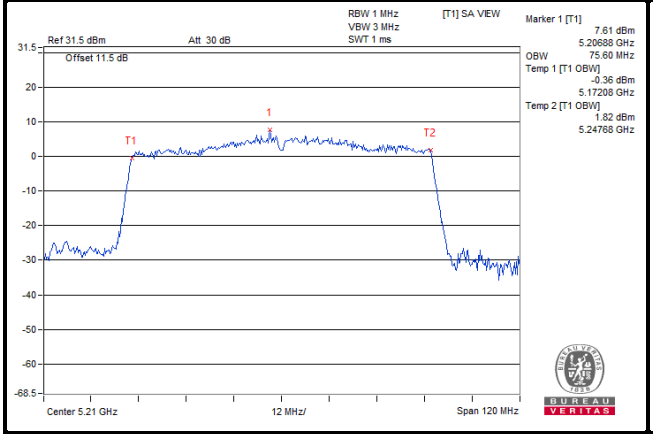


Ch 151 (5755 MHz)

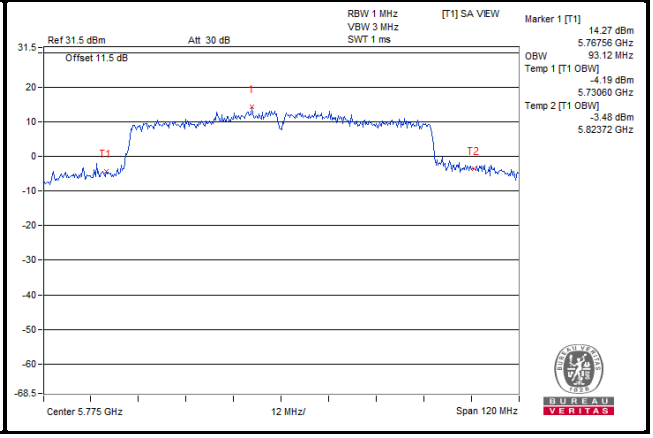


802.11ac (VHT80)

Ch 42 (5210 MHz)



Ch 155 (5775 MHz)



Ant. 2

802.11a

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	17.16
40	5200	25.08
48	5240	18.00
52	5260	19.32
60	5300	29.88
64	5320	17.64
100	5500	17.88
116	5580	29.16
132	5660	30.00
136	5680	27.90
140	5700	17.04
144	5720 (U-NII-2C)	18.92
144	5720 (U-NII-3)	9.64
149	5745	33.00
157	5785	33.84
165	5825	33.60

802.11ac (VHT20)

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.12
40	5200	25.92
48	5240	18.84
52	5260	19.20
60	5300	32.28
64	5320	18.36
100	5500	18.48
116	5580	28.80
132	5660	32.64
136	5680	22.92
140	5700	18.12
144	5720 (U-NII-2C)	20.84
144	5720 (U-NII-3)	12.04
149	5745	35.76
157	5785	36.36
165	5825	35.64

802.11ac (VHT40)

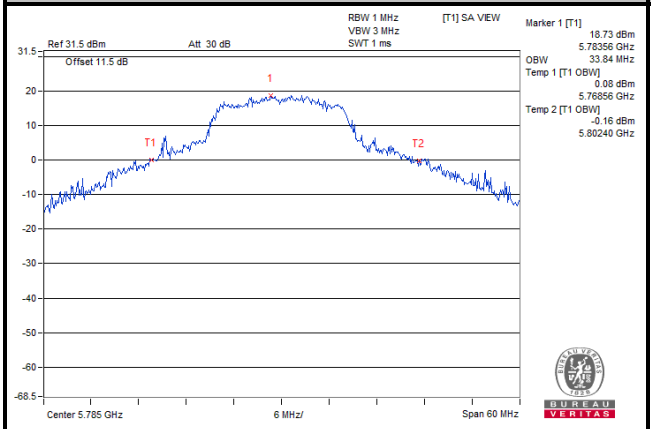
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)
38	5190	36.48
46	5230	38.10
54	5270	42.12
62	5310	36.48
102	5510	36.60
110	5550	41.52
134	5670	36.72
142	5710 (U-NII-2C)	38.04
142	5710 (U-NII-3)	9.96
151	5755	47.88
159	5795	48.12

802.11ac (VHT80)

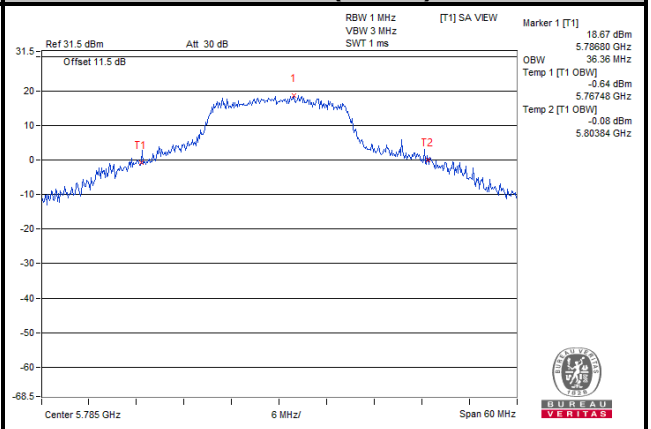
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)
42	5210	75.60
58	5290	75.60
106	5530	75.60
122	5610	75.84
138	5690 (U-NII-2C)	75.80
138	5690 (U-NII-3)	11.80
155	5775	79.20

Spectrum Plot of Worst Value

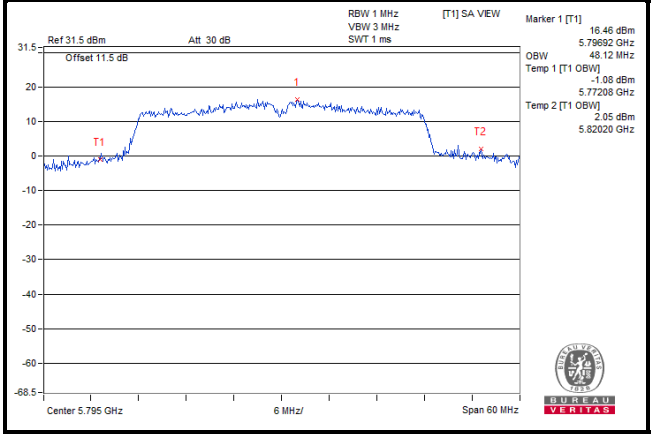
802.11a



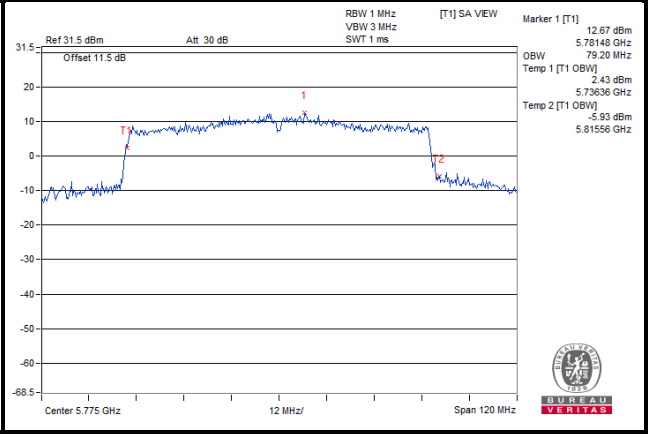
802.11ac (VHT20)



802.11ac (VHT40)



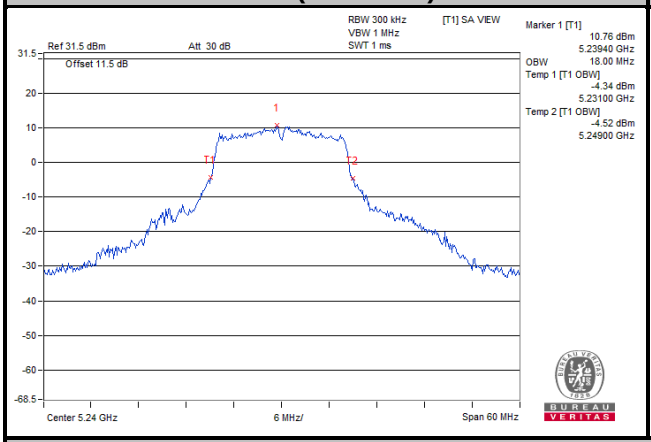
802.11ac (VHT80)



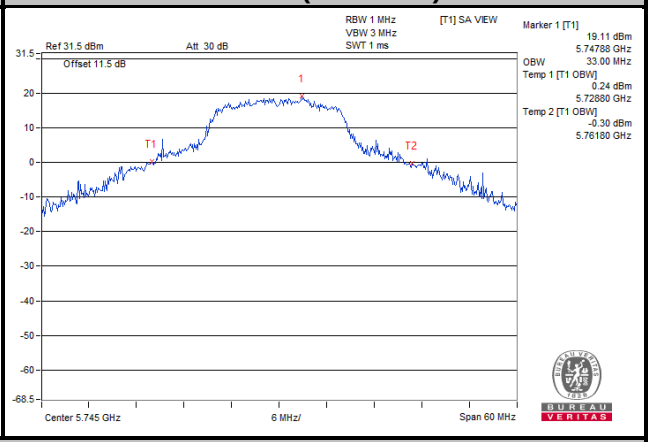
Spectrum Plot for Nearby DFS Band

802.11a

Ch 48 (5240 MHz)

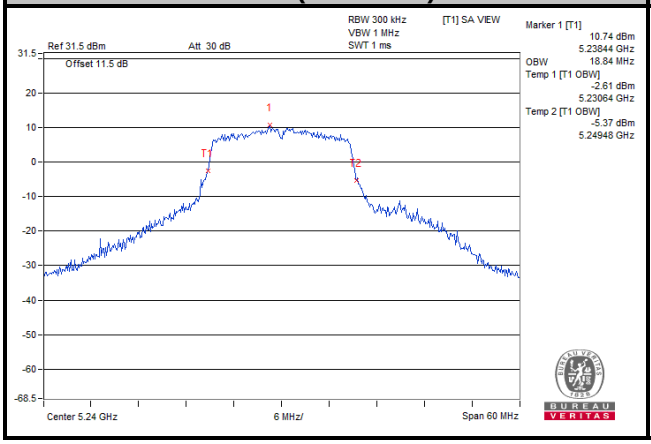


Ch 149 (5745 MHz)

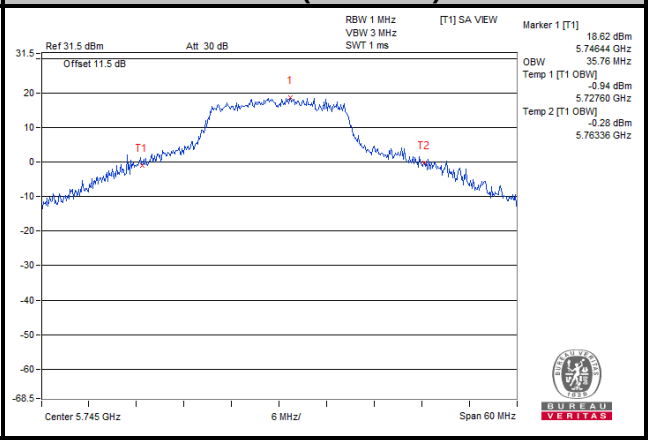


802.11ac (VHT20)

Ch 48 (5240 MHz)

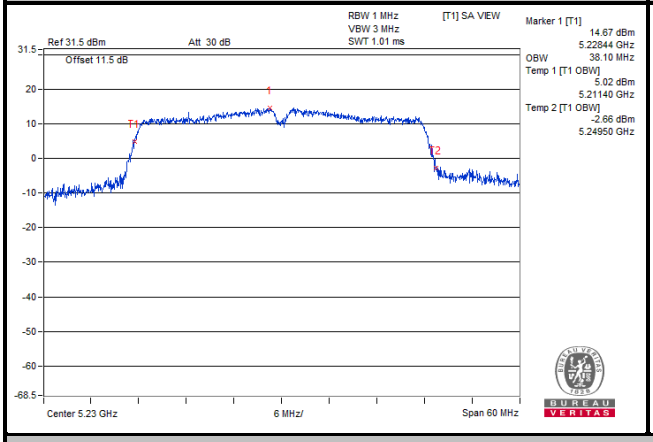


Ch 149 (5745 MHz)

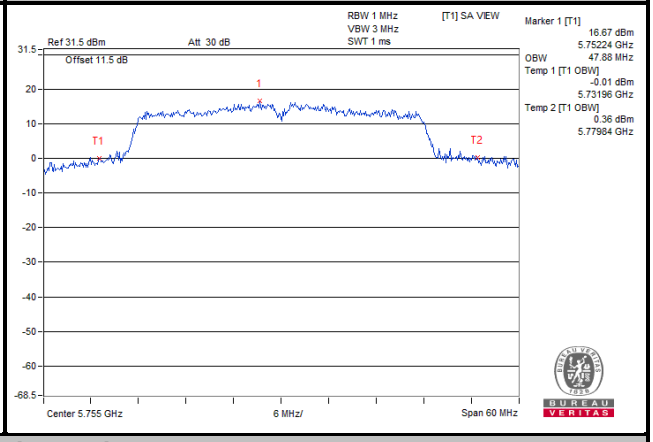


802.11ac (VHT40)

Ch 46 (5230 MHz)

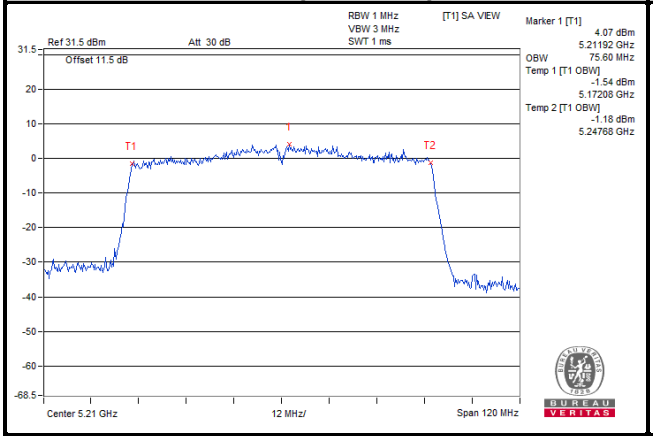


Ch 151 (5755 MHz)

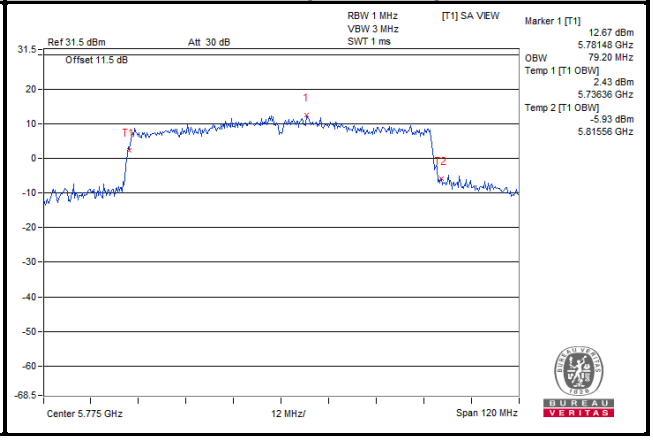


802.11ac (VHT80)

Ch 42 (5210 MHz)



Ch 155 (5775 MHz)

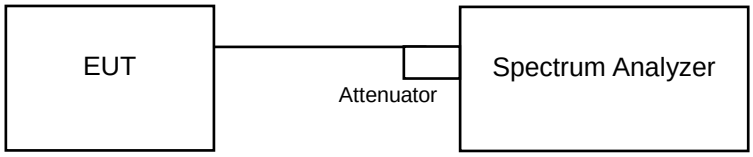


4.5 Peak Power Spectral Density Measurement

4.5.1 Limits of Peak Power Spectral Density Measurement

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

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedures

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

Using method SA-2

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

※For U-NII-3:

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

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Conditions

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

4.5.7 Test Results

Ant. 1

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

802.11a

Channel	Frequency (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
36	5180	6.69	0.12	6.81	11	Pass
40	5200	8.56	0.12	8.68	11	Pass
48	5240	5.81	0.12	5.93	11	Pass
52	5260	5.69	0.12	5.81	11	Pass
60	5300	8.85	0.12	8.97	11	Pass
64	5320	5.84	0.12	5.96	11	Pass
100	5500	4.74	0.12	4.86	11	Pass
116	5580	8.57	0.12	8.69	11	Pass
132	5660	8.76	0.12	8.88	11	Pass
136	5680	7.66	0.12	7.78	11	Pass
140	5700	2.69	0.12	2.81	11	Pass
144	5720 (U-NII-2C)	8.83	0.12	8.95	11	Pass

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

802.11ac (VHT20)

Channel	Frequency (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
36	5180	5.78	0.32	6.10	11	Pass
40	5200	8.55	0.32	8.87	11	Pass
48	5240	6.64	0.32	6.96	11	Pass
52	5260	5.94	0.32	6.26	11	Pass
60	5300	8.90	0.32	9.22	11	Pass
64	5320	6.61	0.32	6.93	11	Pass
100	5500	5.80	0.32	6.12	11	Pass
116	5580	8.67	0.32	8.99	11	Pass
132	5660	8.88	0.32	9.20	11	Pass
136	5680	6.64	0.32	6.96	11	Pass
140	5700	3.63	0.32	3.95	11	Pass
144	5720 (U-NII-2C)	8.63	0.32	8.95	11	Pass

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

802.11ac (VHT40)

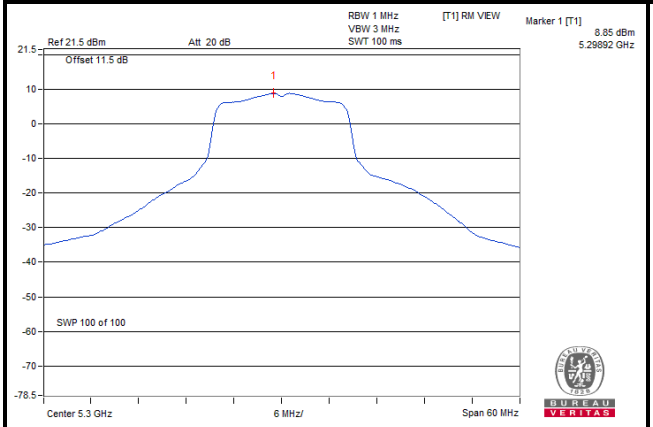
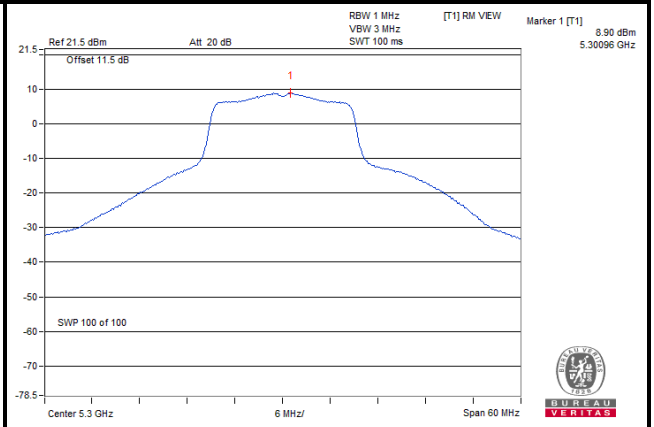
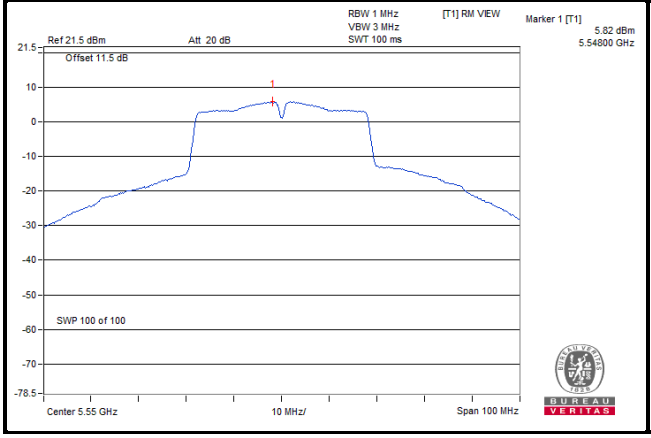
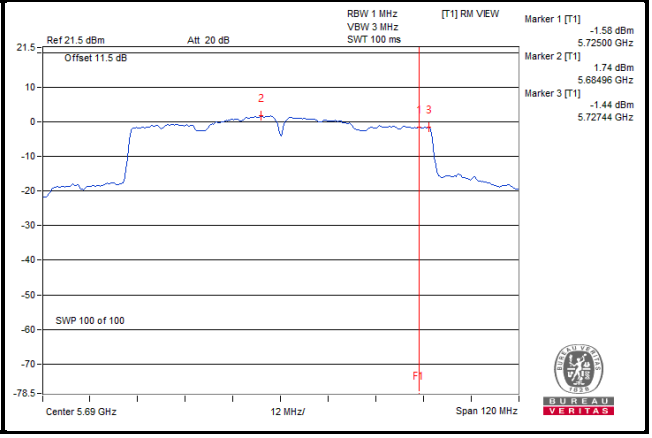
Channel	Frequency (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
38	5190	-1.16	0.63	-0.53	11	Pass
46	5230	2.72	0.63	3.35	11	Pass
54	5270	5.75	0.63	6.38	11	Pass
62	5310	-1.26	0.63	-0.63	11	Pass
102	5510	-1.04	0.63	-0.41	11	Pass
110	5550	5.82	0.63	6.45	11	Pass
134	5670	2.78	0.63	3.41	11	Pass
142	5710 (U-NII-2C)	5.61	0.63	6.24	11	Pass

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

802.11ac (VHT80)

Channel	Frequency (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
42	5210	-5.45	2.56	-2.89	11	Pass
58	5290	-6.37	2.56	-3.81	11	Pass
106	5530	-6.08	2.56	-3.52	11	Pass
122	5610	-0.27	2.56	2.29	11	Pass
138	5690 (U-NII-2C)	1.74	2.56	4.30	11	Pass

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

Spectrum Plot of Worst Value	
802.11a	802.11ac (VHT20)
	
802.11ac (VHT40)	802.11ac (VHT80)
	

For U-NII-3 Band

802.11a

Channel	Frequency (MHz)	PSD w/o Duty Factor		Duty Factor (dB)	PSD with Duty Factor (dBm/500 kHz)	Limit (dBm/500 kHz)	Pass / Fail
		(dBm/300 kHz)	(dBm/500 kHz)				
144	5720 (U-NII-3)	1.84	4.06	0.12	4.18	30	Pass
149	5745	6.35	8.57	0.12	8.69	30	Pass
157	5785	6.49	8.71	0.12	8.83	30	Pass
165	5825	6.4	8.62	0.12	8.74	30	Pass

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

802.11ac (VHT20)

Channel	Frequency (MHz)	PSD w/o Duty Factor		Duty Factor (dB)	PSD with Duty Factor (dBm/500 kHz)	Limit (dBm/500 kHz)	Pass / Fail
		(dBm/300 kHz)	(dBm/500 kHz)				
144	5720 (U-NII-3)	1.21	3.43	0.32	3.75	30	Pass
149	5745	5.83	8.05	0.32	8.37	30	Pass
157	5785	6.09	8.31	0.32	8.63	30	Pass
165	5825	6.02	8.24	0.32	8.56	30	Pass

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

802.11ac (VHT40)

Channel	Frequency (MHz)	PSD w/o Duty Factor		Duty Factor (dB)	PSD with Duty Factor (dBm/500 kHz)	Limit (dBm/500 kHz)	Pass / Fail
		(dBm/300 kHz)	(dBm/500 kHz)				
142	5710 (U-NII-3)	-2.22	0	0.63	0.63	30	Pass
151	5755	2.06	4.28	0.63	4.91	30	Pass
159	5795	1.97	4.19	0.63	4.82	30	Pass

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

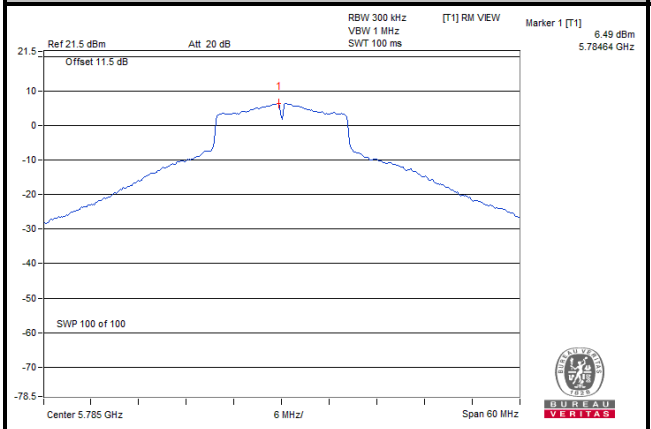
802.11ac (VHT80)

Channel	Frequency (MHz)	PSD w/o Duty Factor		Duty Factor (dB)	PSD with Duty Factor (dBm/500 kHz)	Limit (dBm/500 kHz)	Pass / Fail
		(dBm/300 kHz)	(dBm/500 kHz)				
138	5690 (U-NII-3)	-5.59	-3.37	2.56	-0.81	30	Pass
155	5775	-1.69	0.53	2.56	3.09	30	Pass

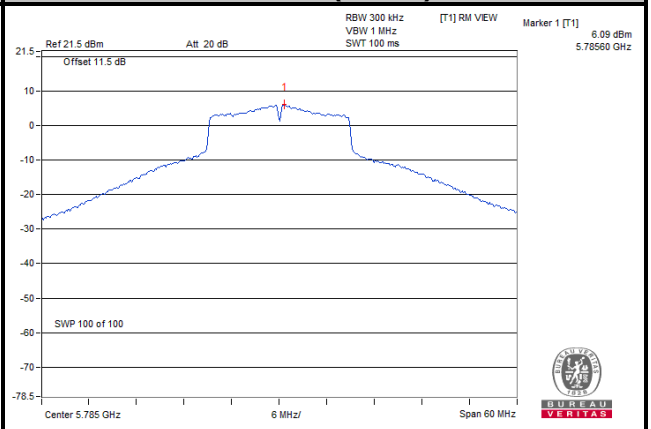
Note: Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

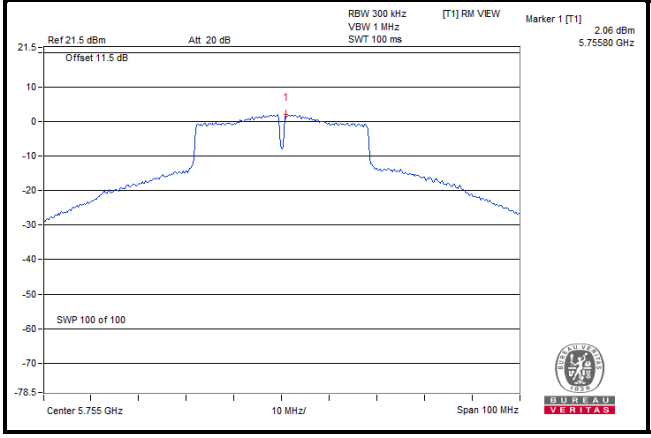
802.11a



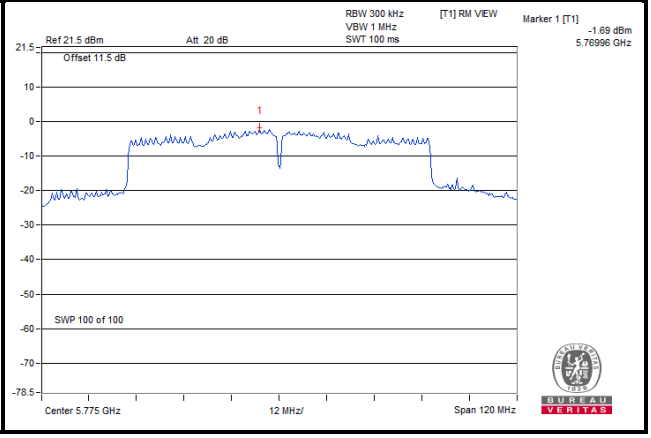
802.11ac (VHT20)



802.11ac (VHT40)



802.11ac (VHT80)



Ant. 2

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

802.11a

Channel	Frequency (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
36	5180	4.28	0.12	4.40	11	Pass
40	5200	7.38	0.12	7.50	11	Pass
48	5240	5.59	0.12	5.71	11	Pass
52	5260	5.54	0.12	5.66	11	Pass
60	5300	8.62	0.12	8.74	11	Pass
64	5320	4.57	0.12	4.69	11	Pass
100	5500	4.62	0.12	4.74	11	Pass
116	5580	8.28	0.12	8.40	11	Pass
132	5660	8.20	0.12	8.32	11	Pass
136	5680	7.23	0.12	7.35	11	Pass
140	5700	1.45	0.12	1.57	11	Pass
144	5720 (U-NII-2C)	8.27	0.12	8.39	11	Pass

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

802.11ac (VHT20)

Channel	Frequency (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
36	5180	4.14	0.32	4.46	11	Pass
40	5200	7.33	0.32	7.65	11	Pass
48	5240	5.51	0.32	5.83	11	Pass
52	5260	5.59	0.32	5.91	11	Pass
60	5300	8.17	0.32	8.49	11	Pass
64	5320	4.18	0.32	4.50	11	Pass
100	5500	4.31	0.32	4.63	11	Pass
116	5580	8.21	0.32	8.53	11	Pass
132	5660	8.23	0.32	8.55	11	Pass
136	5680	6.11	0.32	6.43	11	Pass
140	5700	1.18	0.32	1.50	11	Pass
144	5720 (U-NII-2C)	8.11	0.32	8.43	11	Pass

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

802.11ac (VHT40)

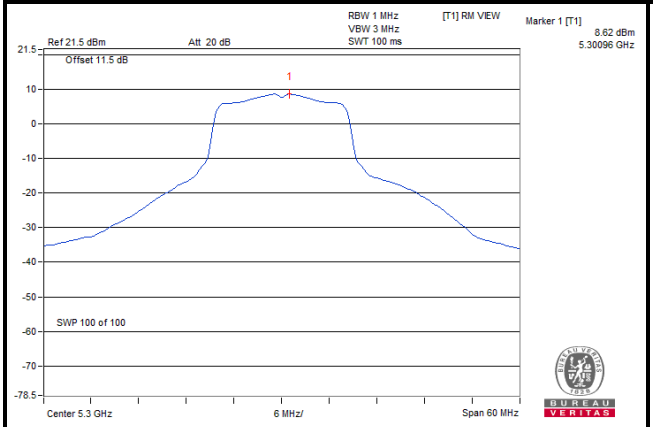
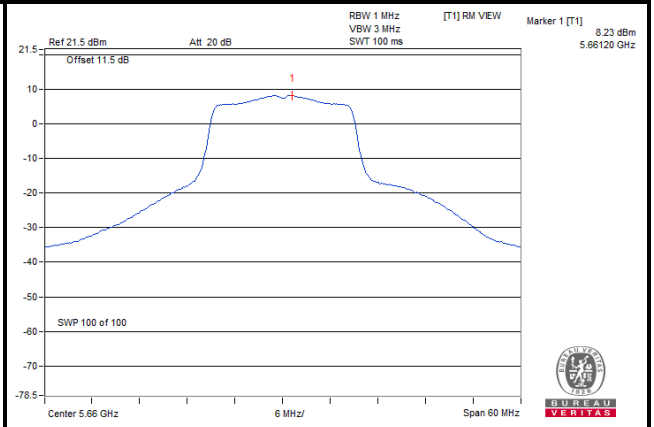
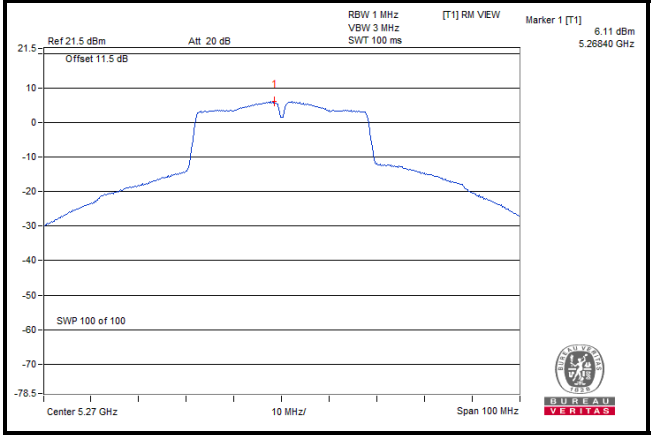
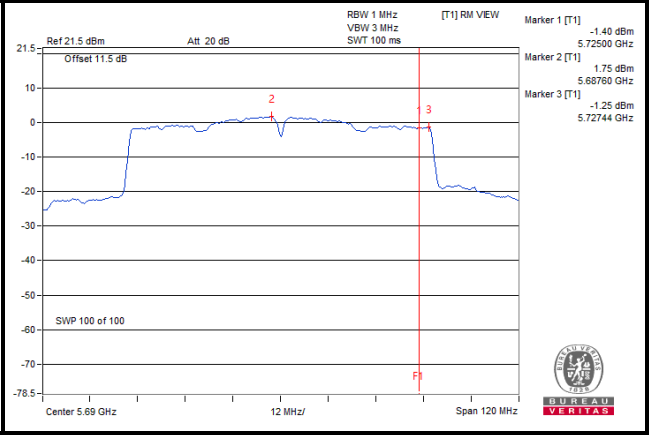
Channel	Frequency (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
38	5190	-1.67	0.62	-1.05	11	Pass
46	5230	3.84	0.62	4.46	11	Pass
54	5270	6.11	0.62	6.73	11	Pass
62	5310	-3.73	0.62	-3.11	11	Pass
102	5510	-2.89	0.62	-2.27	11	Pass
110	5550	3.29	0.62	3.91	11	Pass
134	5670	0.09	0.62	0.71	11	Pass
142	5710 (U-NII-2C)	6.06	0.62	6.68	11	Pass

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

802.11ac (VHT80)

Channel	Frequency (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
42	5210	-7.55	2.55	-5.00	11	Pass
58	5290	-8.31	2.55	-5.76	11	Pass
106	5530	-8.62	2.55	-6.07	11	Pass
122	5610	-1.81	2.55	0.74	11	Pass
138	5690 (U-NII-2C)	1.75	2.55	4.30	11	Pass

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

Spectrum Plot of Worst Value	
802.11a	802.11ac (VHT20)
	
802.11ac (VHT40)	802.11ac (VHT80)
	

For U-NII-3 Band

802.11a

Channel	Frequency (MHz)	PSD w/o Duty Factor		Duty Factor (dB)	PSD with Duty Factor (dBm/500 kHz)	Limit (dBm/500 kHz)	Pass / Fail
		(dBm/300 kHz)	(dBm/500 kHz)				
144	5720 (U-NII-3)	0.87	3.09	0.12	3.21	30	Pass
149	5745	6.13	8.35	0.12	8.47	30	Pass
157	5785	6.28	8.5	0.12	8.62	30	Pass
165	5825	6.22	8.44	0.12	8.56	30	Pass

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

802.11ac (VHT20)

Channel	Frequency (MHz)	PSD w/o Duty Factor		Duty Factor (dB)	PSD with Duty Factor (dBm/500 kHz)	Limit (dBm/500 kHz)	Pass / Fail
		(dBm/300 kHz)	(dBm/500 kHz)				
144	5720 (U-NII-3)	0.73	2.95	0.32	3.27	30	Pass
149	5745	5.85	8.07	0.32	8.39	30	Pass
157	5785	6.02	8.24	0.32	8.56	30	Pass
165	5825	5.95	8.17	0.32	8.49	30	Pass

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

802.11ac (VHT40)

Channel	Frequency (MHz)	PSD w/o Duty Factor		Duty Factor (dB)	PSD with Duty Factor (dBm/500 kHz)	Limit (dBm/500 kHz)	Pass / Fail
		(dBm/300 kHz)	(dBm/500 kHz)				
142	5710 (U-NII-3)	-1.76	0.46	0.62	1.08	30	Pass
151	5755	2.03	4.25	0.62	4.87	30	Pass
159	5795	2.01	4.23	0.62	4.85	30	Pass

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

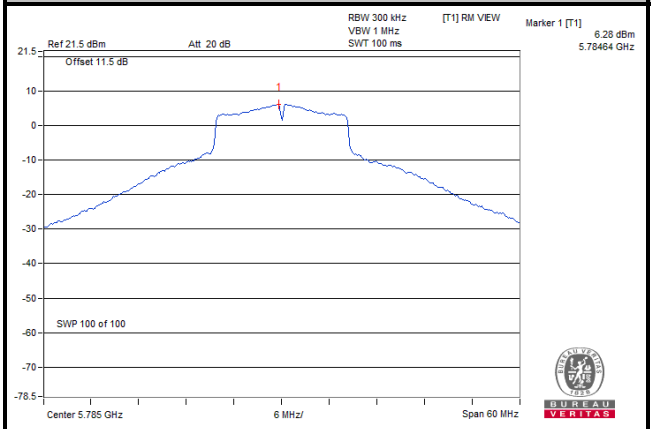
802.11ac (VHT80)

Channel	Frequency (MHz)	PSD w/o Duty Factor		Duty Factor (dB)	PSD with Duty Factor (dBm/500 kHz)	Limit (dBm/500 kHz)	Pass / Fail
		(dBm/300 kHz)	(dBm/500 kHz)				
138	5690 (U-NII-3)	-5.57	-3.35	2.55	-0.8	30	Pass
155	5775	-3.52	-1.3	2.55	1.25	30	Pass

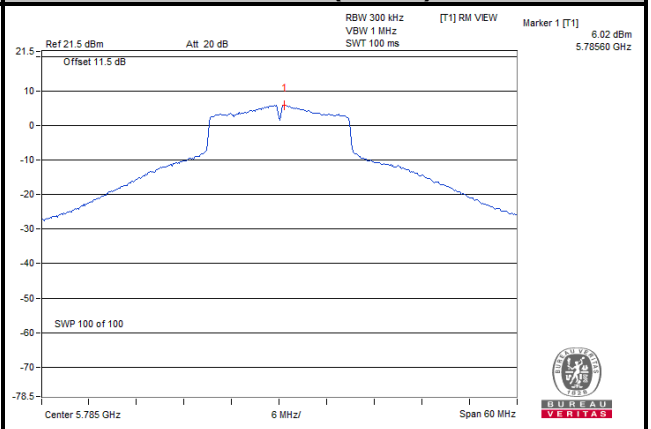
Note: Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

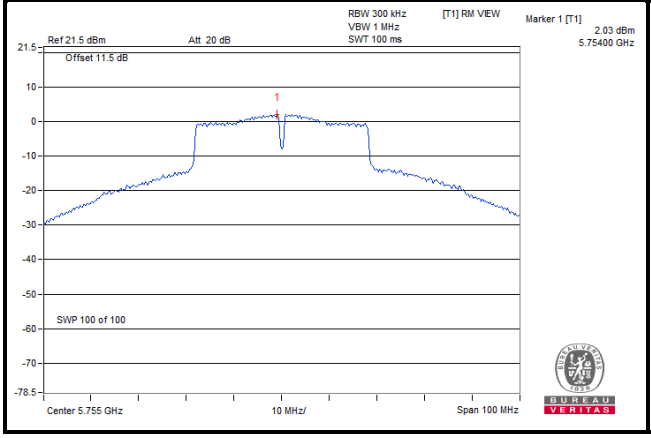
802.11a



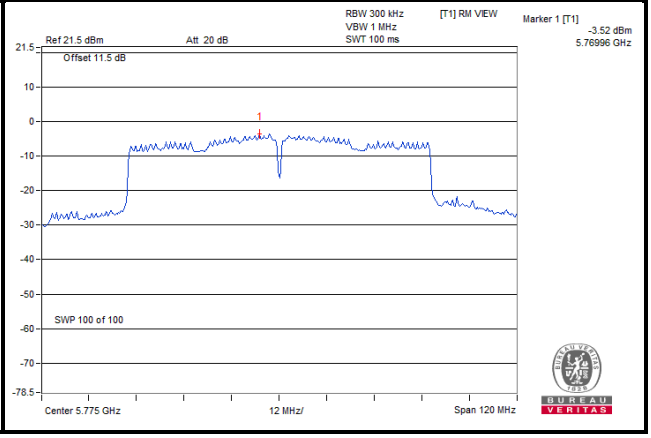
802.11ac (VHT20)



802.11ac (VHT40)



802.11ac (VHT80)

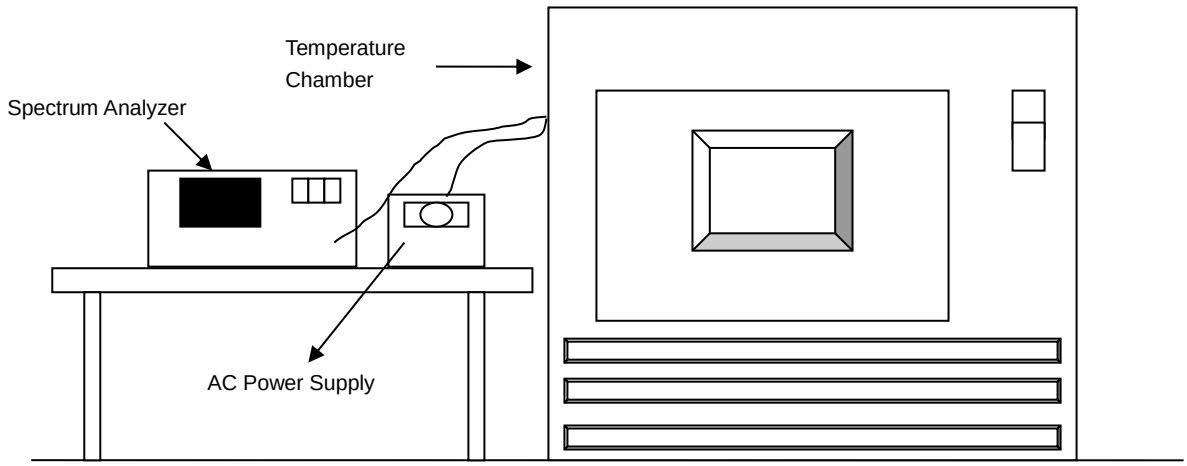


4.6 Frequency Stability

4.6.1 Limit of Frequency Stability Measurement

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

4.6.2 Test Setup



4.6.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.6.4 Test Procedure

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

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

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

4.6.7 Test Results

Ant. 1

Frequency Stability Versus Temp.									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
40	5	5180.0207	Pass	5180.0199	Pass	5180.0227	Pass	5180.0224	Pass
30	5	5179.9816	Pass	5179.982	Pass	5179.9793	Pass	5179.9809	Pass
20	5	5180.0006	Pass	5180.0041	Pass	5180.0039	Pass	5180.0007	Pass
10	5	5179.9945	Pass	5179.9931	Pass	5179.9941	Pass	5179.9976	Pass
0	5	5180.0168	Pass	5180.0183	Pass	5180.0169	Pass	5180.0155	Pass
-10	5	5179.993	Pass	5179.9951	Pass	5179.9948	Pass	5179.9933	Pass
-20	5	5180.0144	Pass	5180.0176	Pass	5180.0151	Pass	5180.0177	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
20	5.75	5180.004	Pass	5180.0063	Pass	5180.0049	Pass	5180.0053	Pass
	5	5180.0006	Pass	5180.0041	Pass	5180.0039	Pass	5180.0007	Pass
	4.25	5179.9957	Pass	5179.9954	Pass	5179.9941	Pass	5179.9929	Pass

Ant. 2

Frequency Stability Versus Temp.									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
40	5	5179.9907	Pass	5179.9899	Pass	5179.9897	Pass	5179.9907	Pass
30	5	5179.9818	Pass	5179.9821	Pass	5179.9824	Pass	5179.9776	Pass
20	5	5179.9871	Pass	5179.9842	Pass	5179.9848	Pass	5179.9873	Pass
10	5	5179.9832	Pass	5179.9863	Pass	5179.9867	Pass	5179.9844	Pass
0	5	5180.0258	Pass	5180.0248	Pass	5180.0231	Pass	5180.0252	Pass
-10	5	5179.9803	Pass	5179.9842	Pass	5179.9808	Pass	5179.9811	Pass
-20	5	5179.9841	Pass	5179.982	Pass	5179.9826	Pass	5179.9838	Pass

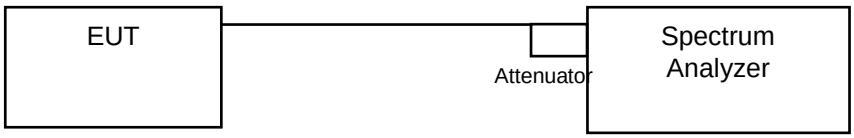
Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
20	5.75	5179.9972	Pass	5179.9954	Pass	5179.9933	Pass	5179.9933	Pass
	5	5179.9871	Pass	5179.9842	Pass	5179.9848	Pass	5179.9873	Pass
	4.25	5179.9873	Pass	5179.9864	Pass	5179.9895	Pass	5179.9881	Pass

4.7 6 dB Bandwidth Measurement

4.7.1 Limits of 6 dB Bandwidth Measurement

The minimum of 6 dB Bandwidth Measurement is 0.5 MHz.

4.7.2 Test Setup



4.7.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.7.4 Test Procedure

MEASUREMENT PROCEDURE REF

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

4.7.5 Deviation from Test Standard

No deviation.

4.7.6 EUT Operating Condition

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

4.7.7 Test Results

Ant. 1

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
144	5720 (U-NII-3)	2.70	0.5	Pass
149	5745	15.84	0.5	Pass
157	5785	15.89	0.5	Pass
165	5825	15.87	0.5	Pass

802.11ac (VHT20)

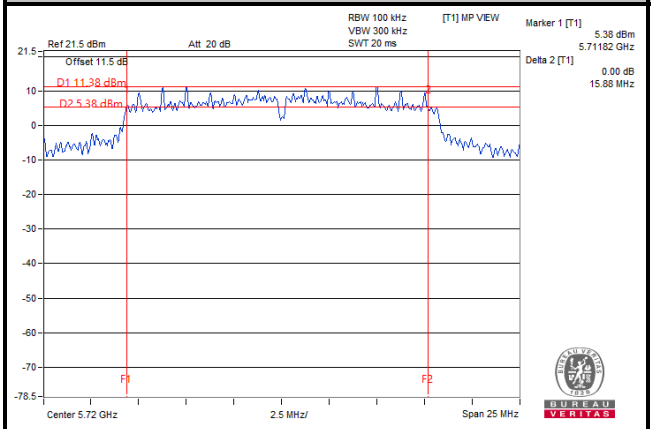
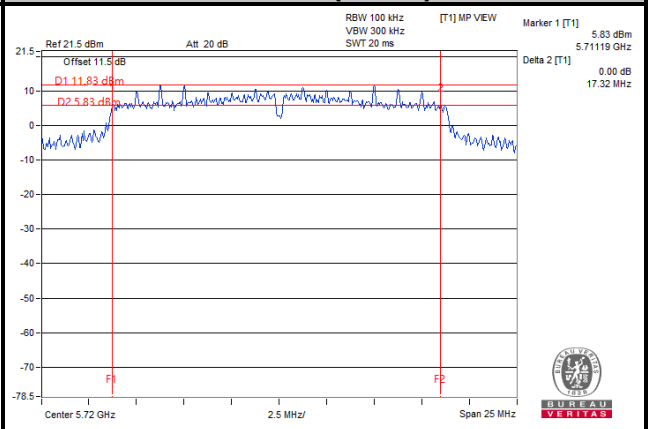
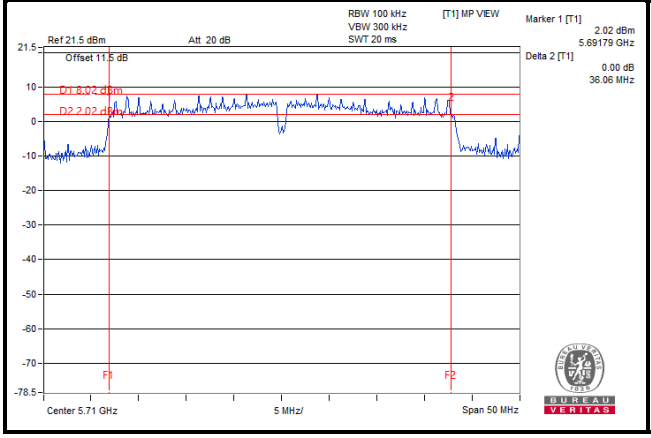
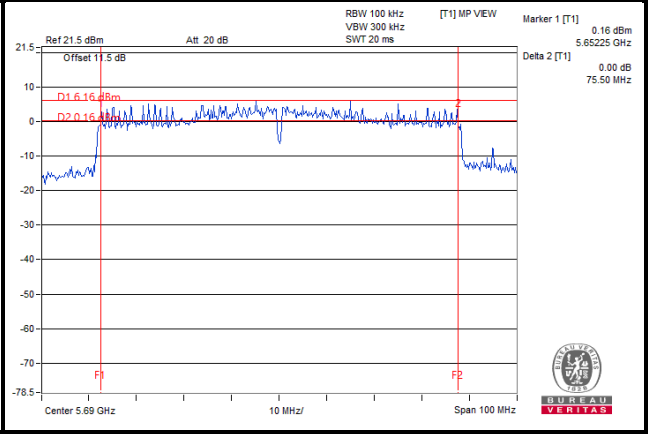
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
144	5720 (U-NII-3)	3.51	0.5	Pass
149	5745	17.36	0.5	Pass
157	5785	17.37	0.5	Pass
165	5825	17.54	0.5	Pass

802.11ac (VHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
142	5710 (U-NII-3)	2.85	0.5	Pass
151	5755	36.14	0.5	Pass
159	5795	36.43	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
138	5690 (U-NII-3)	2.75	0.5	Pass
155	5775	75.58	0.5	Pass

Spectrum Plot of Worst Value	
802.11a	802.11ac (VHT20)
	
802.11ac (VHT40)	802.11ac (VHT80)
	

Note:
For Ch144 (UNII-3 Band): The 6 dB bandwidth above 5725 MHz = Marker 1 + Delta 2 – 5725 MHz
For Ch142 (UNII-3 Band): The 6 dB bandwidth above 5725 MHz = Marker 1 + Delta 2 – 5725 MHz

Ant. 2

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
144	5720 (U-NII-3)	2.69	0.5	Pass
149	5745	15.84	0.5	Pass
157	5785	15.87	0.5	Pass
165	5825	15.88	0.5	Pass

802.11ac (VHT20)

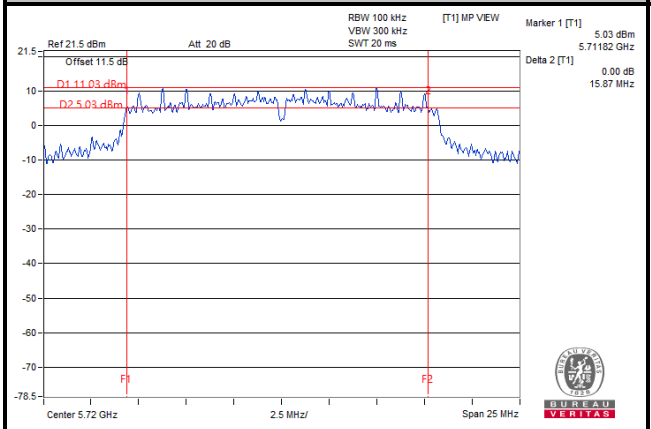
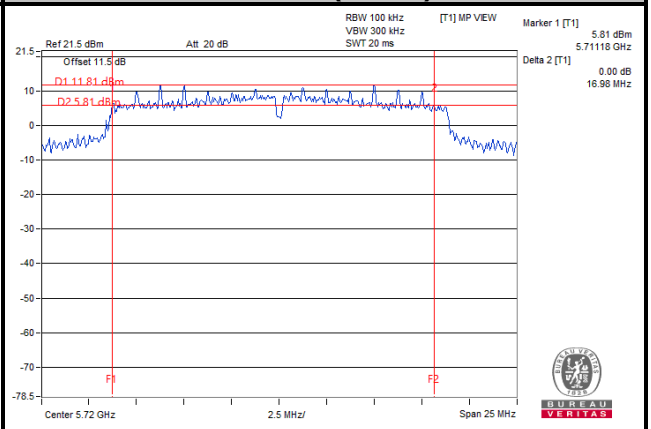
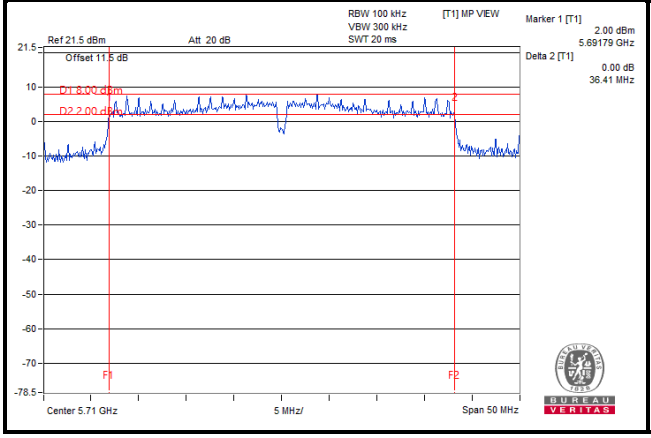
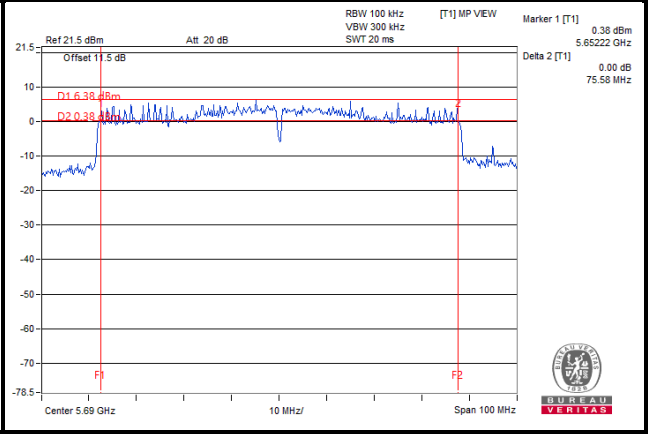
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
144	5720 (U-NII-3)	3.16	0.5	Pass
149	5745	16.95	0.5	Pass
157	5785	17.34	0.5	Pass
165	5825	17.00	0.5	Pass

802.11ac (VHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
142	5710 (U-NII-3)	3.20	0.5	Pass
151	5755	36.16	0.5	Pass
159	5795	36.42	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
138	5690 (U-NII-3)	2.80	0.5	Pass
155	5775	75.57	0.5	Pass

Spectrum Plot of Worst Value	
802.11a	802.11ac (VHT20)
	
802.11ac (VHT40)	802.11ac (VHT80)
	

Note:
For Ch144 (UNII-3 Band): The 6 dB bandwidth above 5725 MHz = Marker 1 + Delta 2 – 5725 MHz
For Ch142 (UNII-3 Band): The 6 dB bandwidth above 5725 MHz = Marker 1 + Delta 2 – 5725 MHz

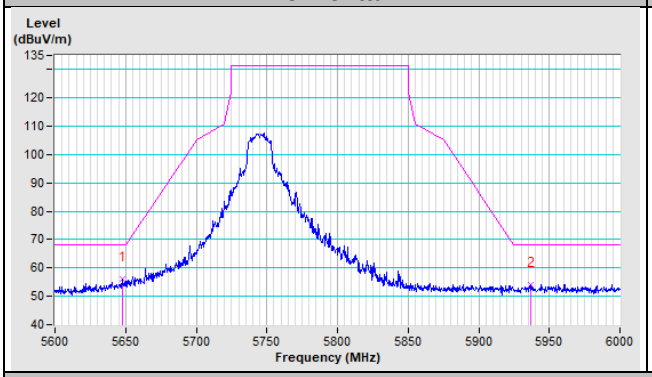
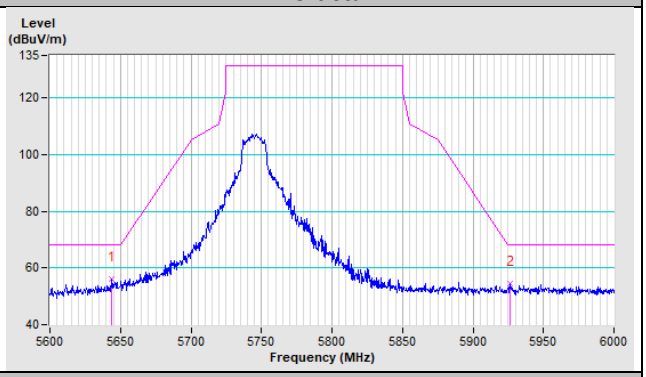
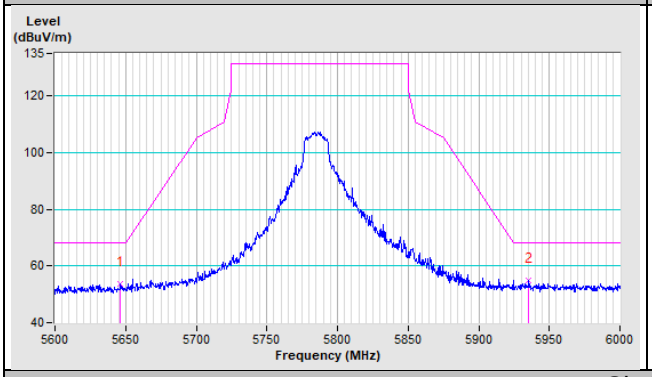
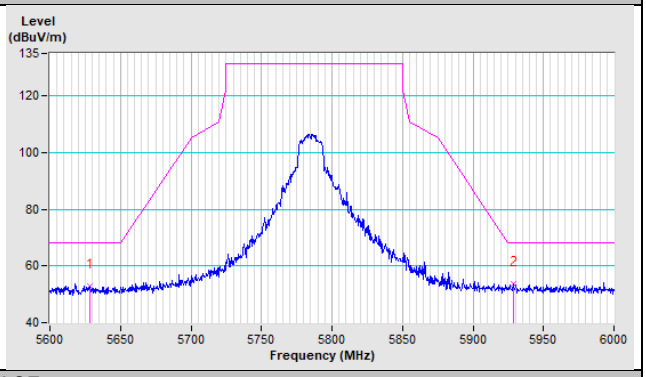
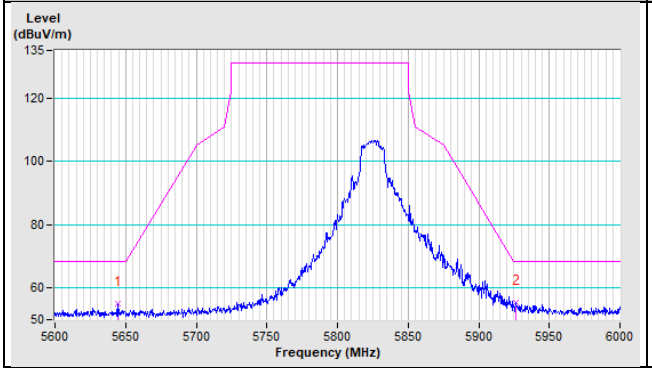
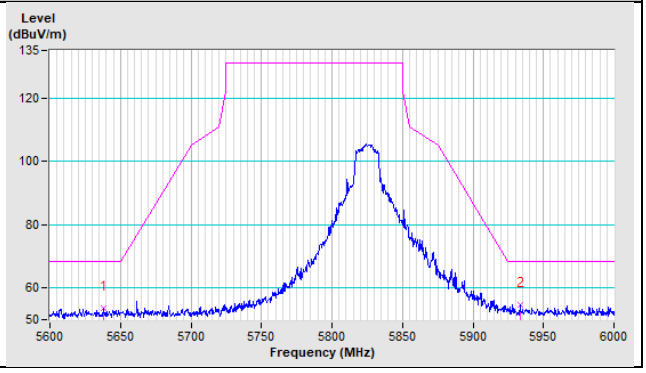
5 Pictures of Test Arrangements

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

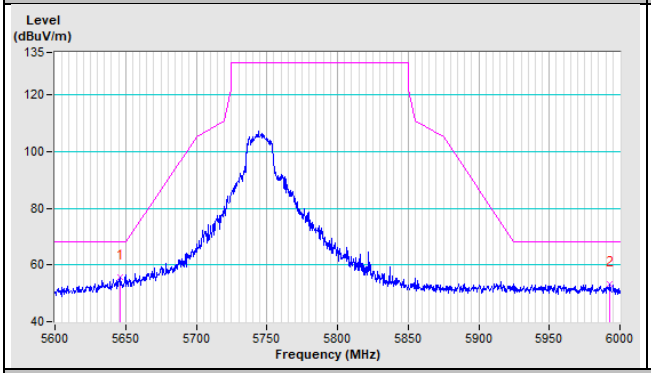
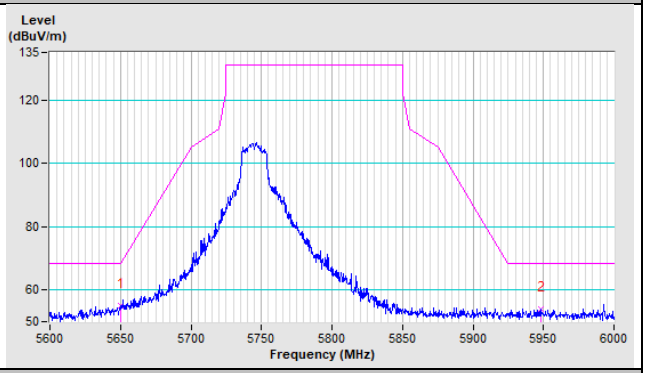
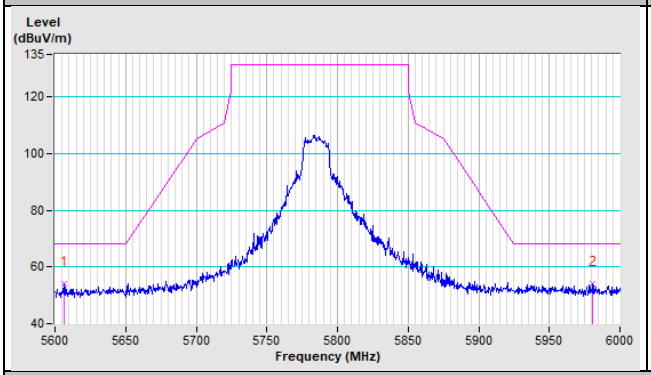
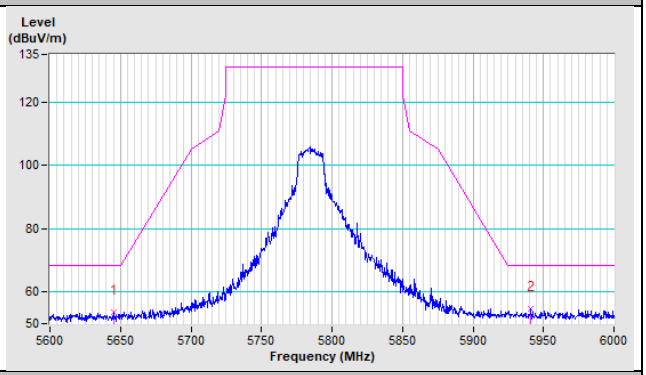
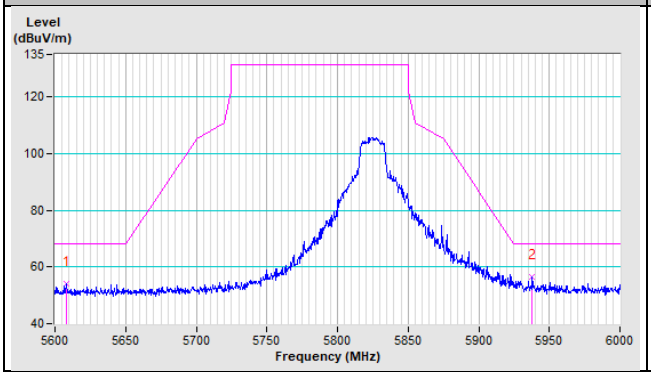
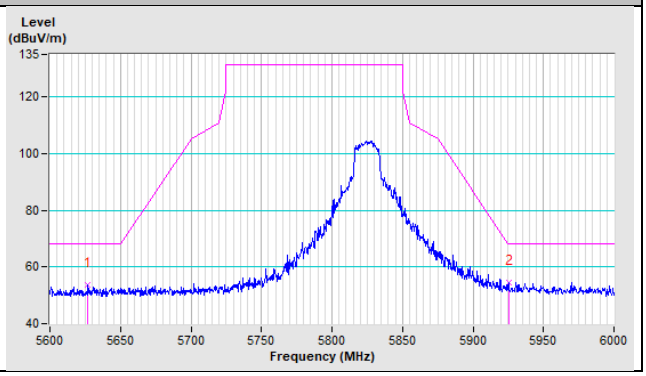
Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band)

Ant. 1

802.11a

Ch 149	
Horizontal	Vertical
	
Ch 157	
Horizontal	Vertical
	
Ch 165	
Horizontal	Vertical
	

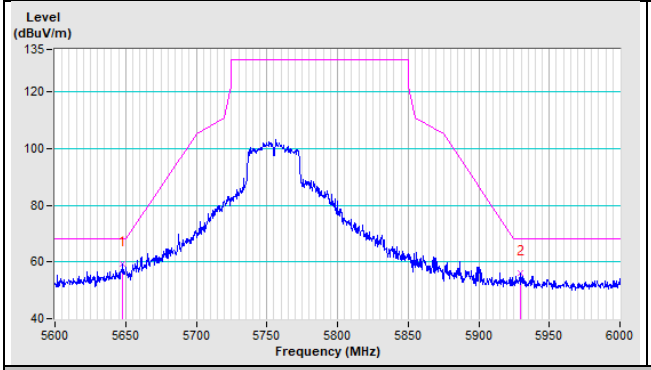
802.11ac (VHT20)

Ch 149	
Horizontal	Vertical
	
Ch 157	
Horizontal	Vertical
	
Ch 165	
Horizontal	Vertical
	

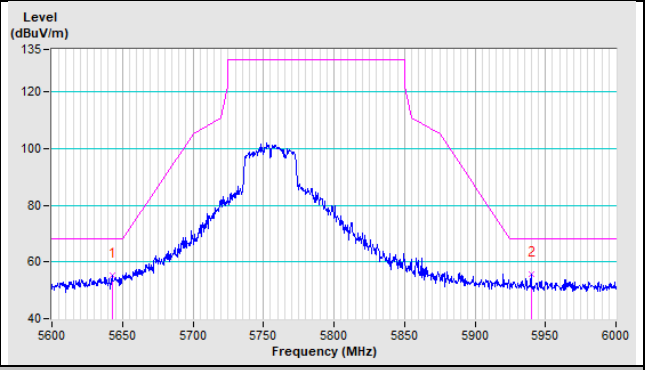
802.11ac (VHT40)

Ch 151

Horizontal

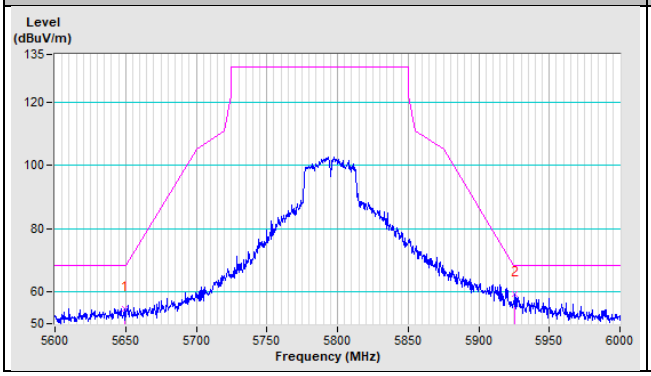


Vertical

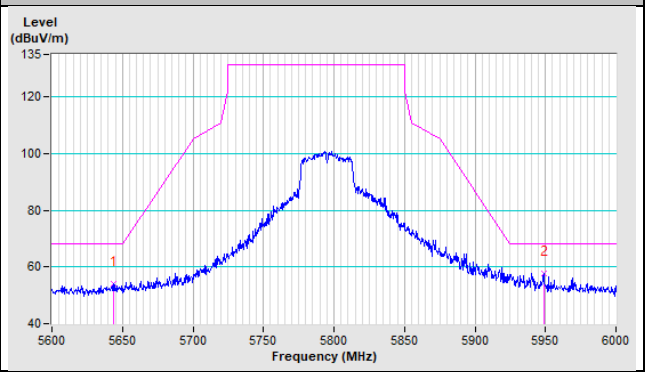


Ch 159

Horizontal



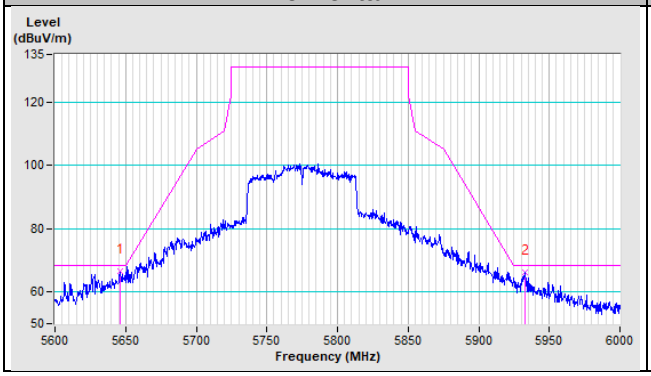
Vertical



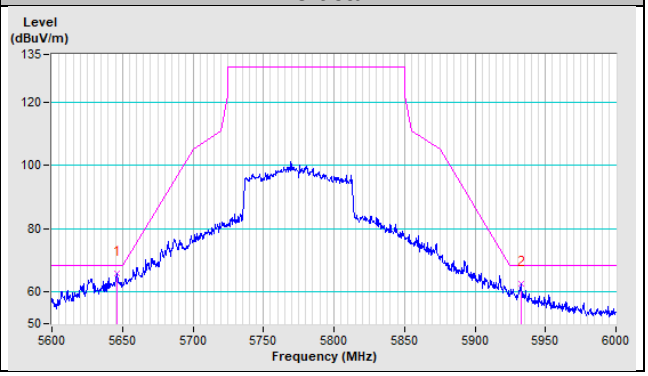
802.11ac (VHT80)

Ch 155

Horizontal

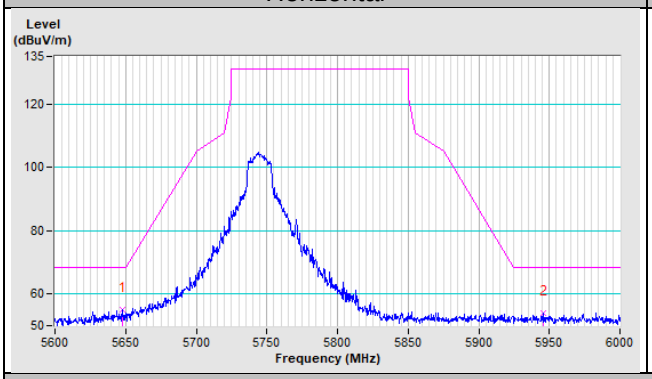
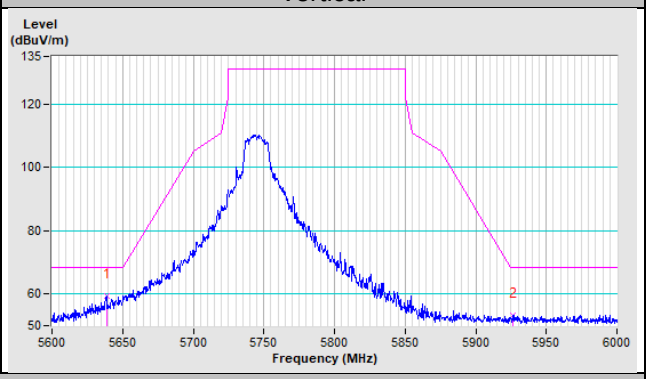
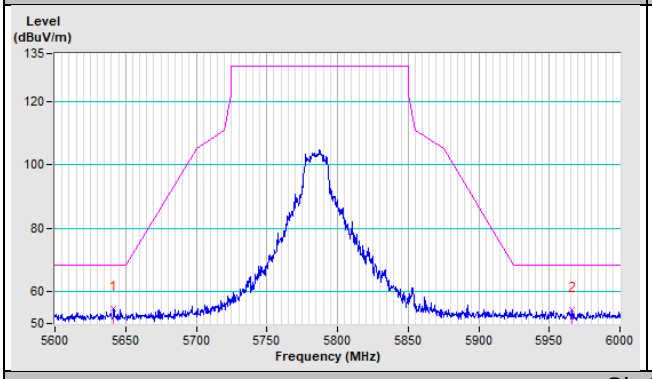
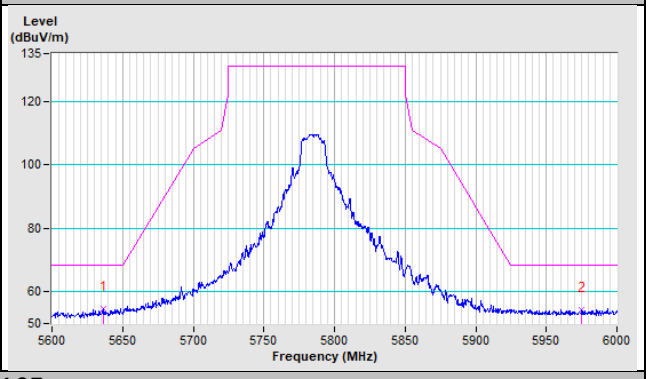
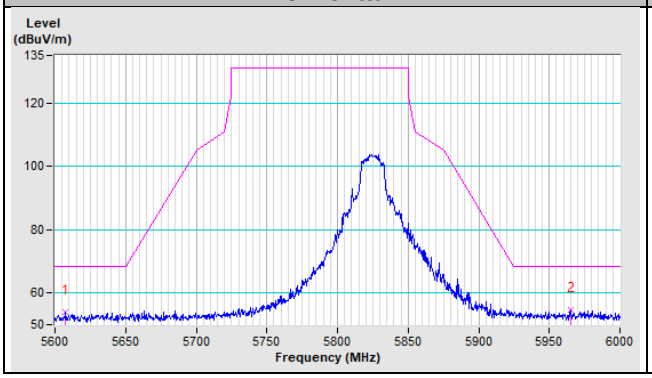
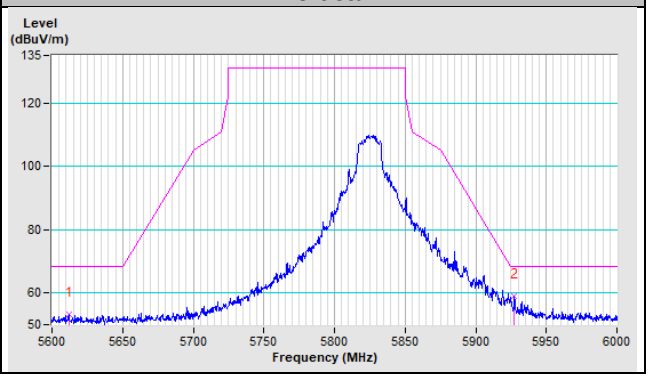


Vertical

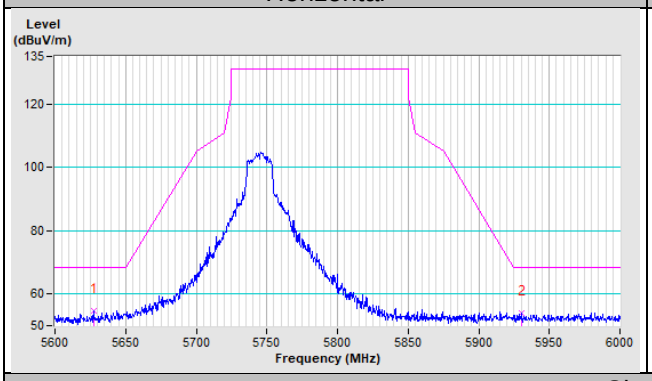
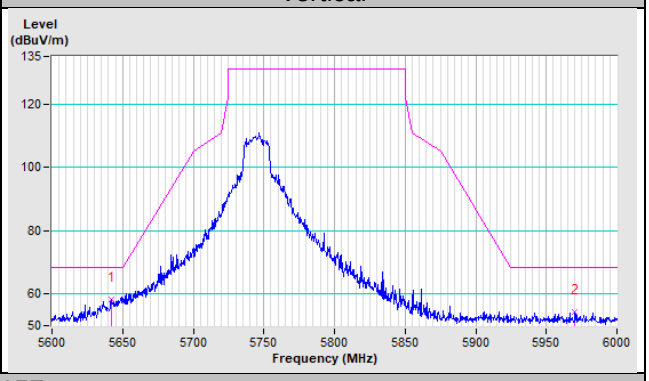
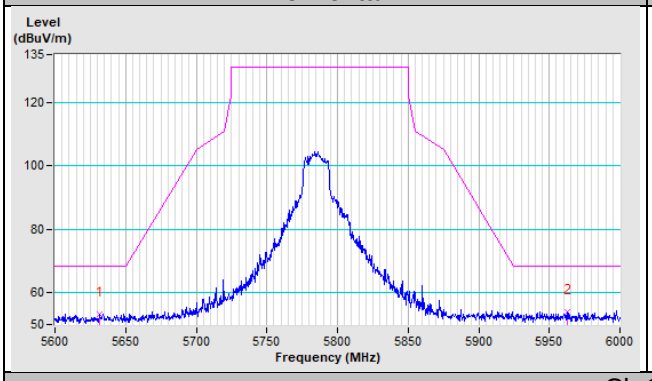
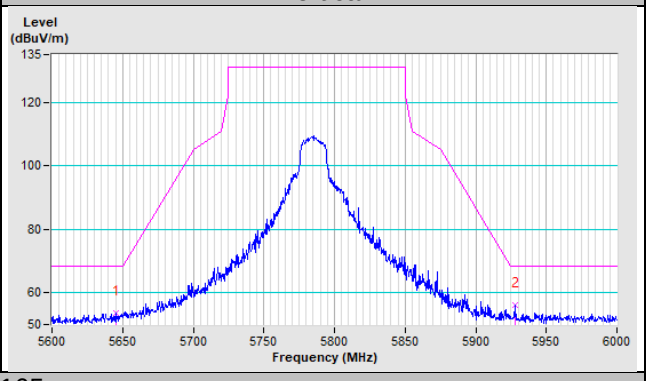
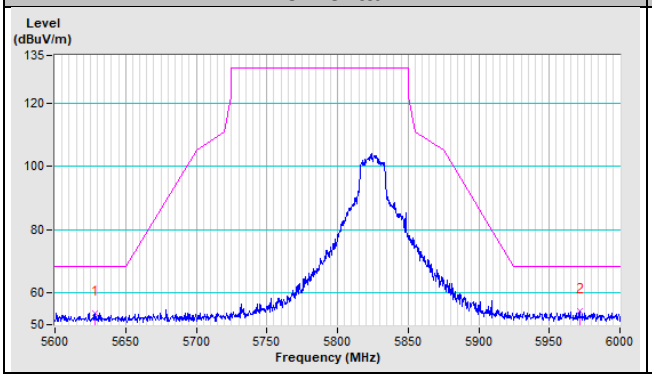
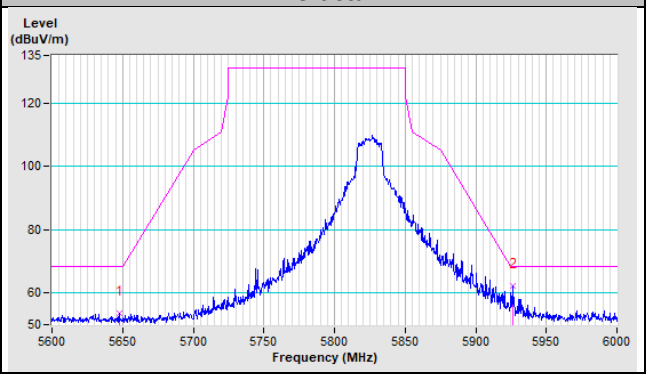


Ant. 2

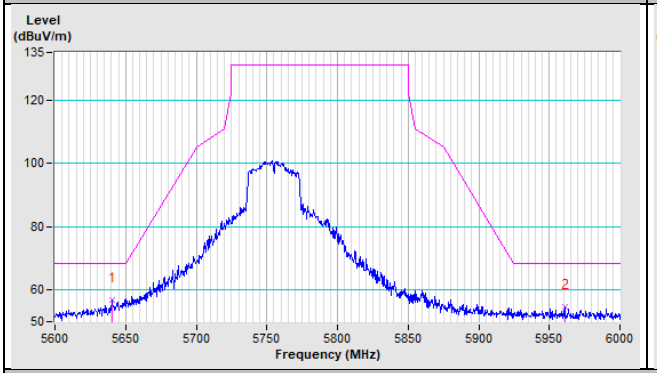
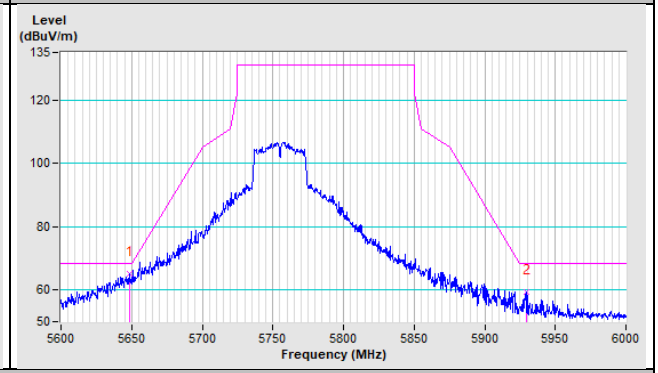
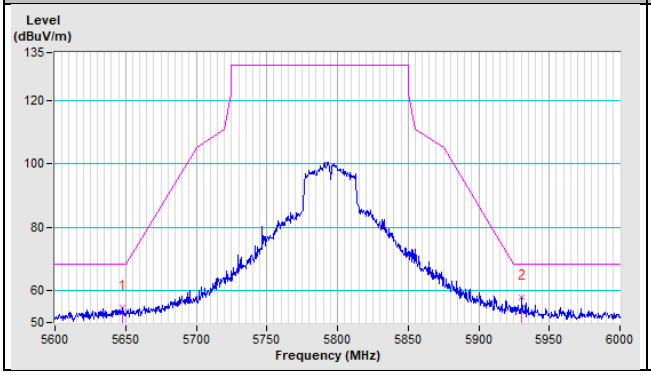
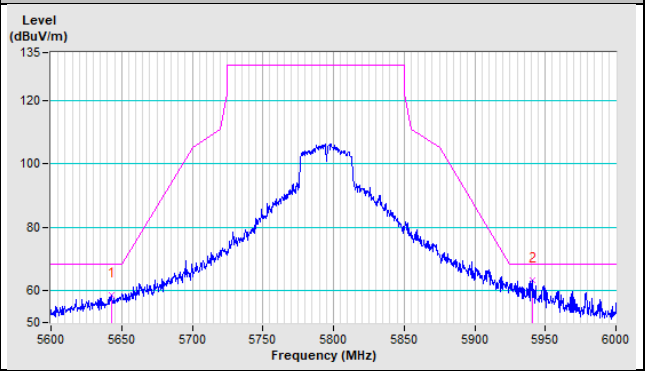
802.11a

Ch 149	
Horizontal	Vertical
	
Ch 157	
Horizontal	Vertical
	
Ch 165	
Horizontal	Vertical
	

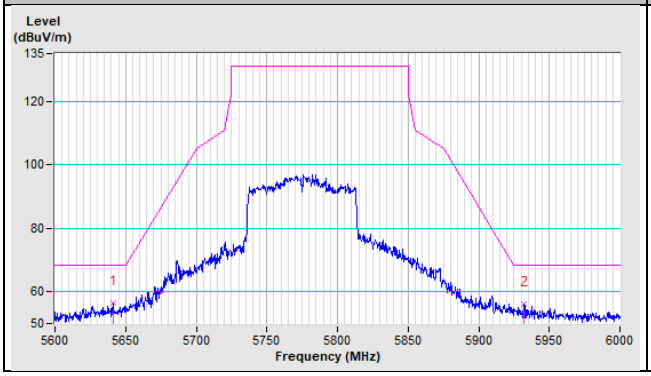
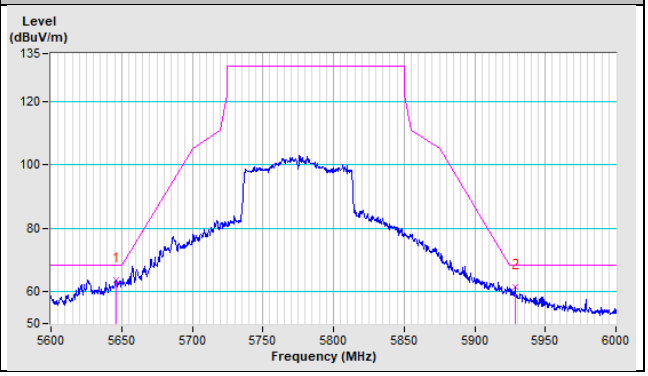
802.11ac (VHT20)

Ch 149	
Horizontal	Vertical
	
Ch 157	
Horizontal	Vertical
	
Ch 165	
Horizontal	Vertical
	

802.11ac (VHT40)

Ch 151	
Horizontal	Vertical
	
Ch 159	
Horizontal	Vertical
	

802.11ac (VHT80)

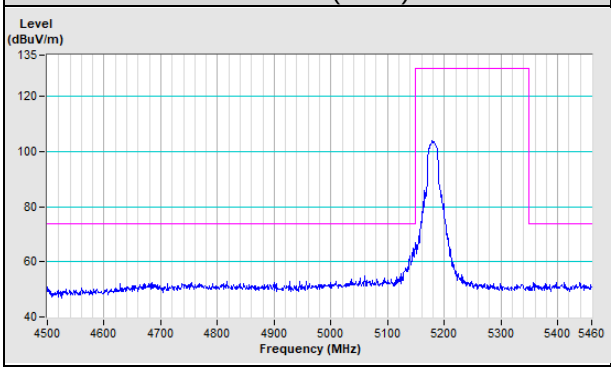
Ch 155	
Horizontal	Vertical
	

Annex B- Band Edge Measurement

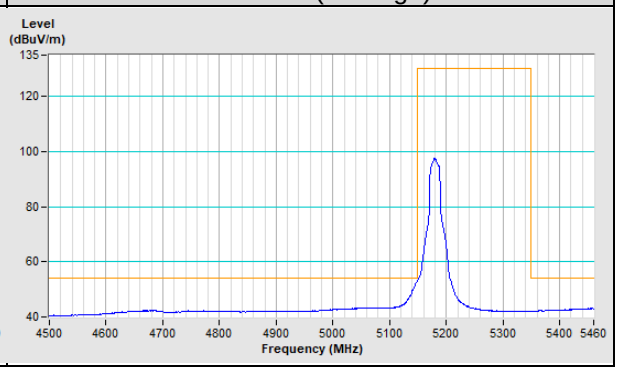
Ant. 1

802.11a Channel 36

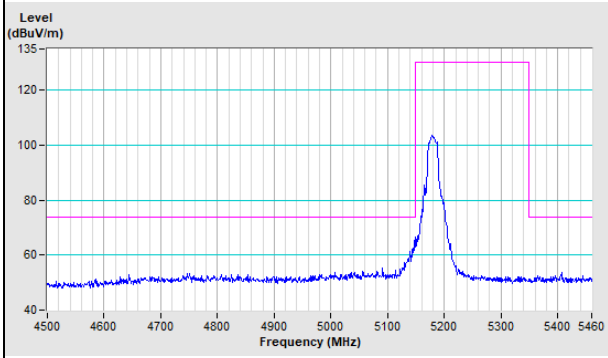
Horizontal (Peak)



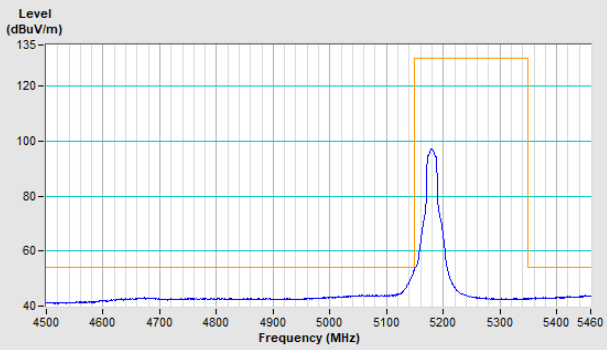
Horizontal (Average)



Vertical (Peak)

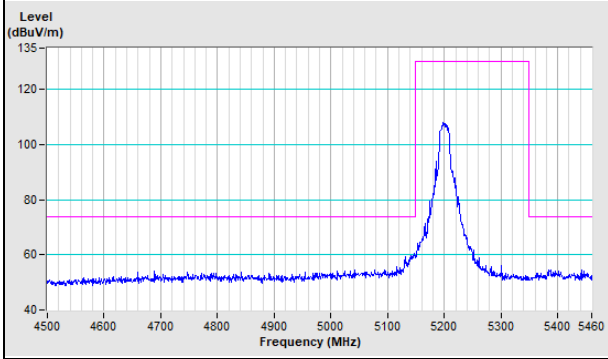


Vertical (Average)

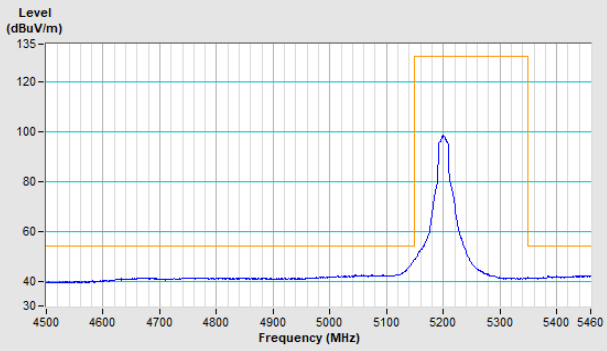


802.11a Channel 40

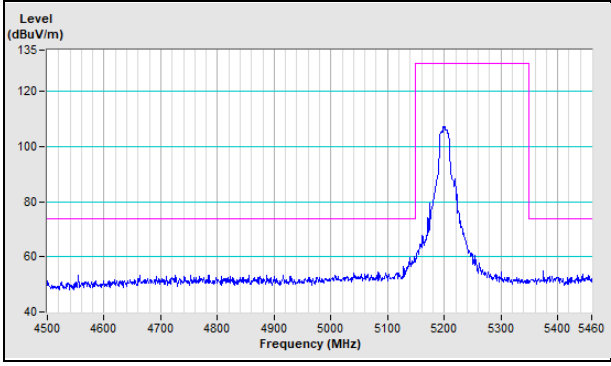
Horizontal (Peak)



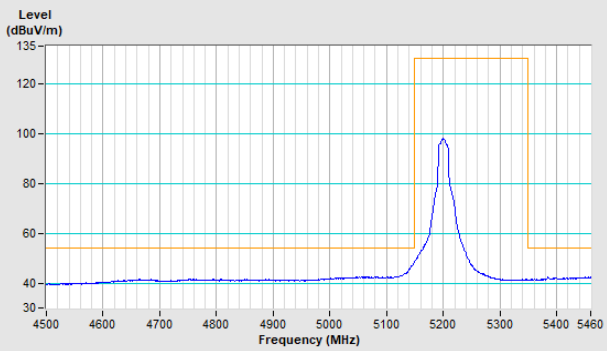
Horizontal (Average)

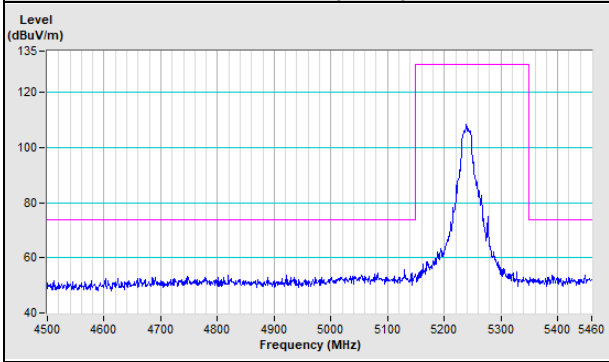
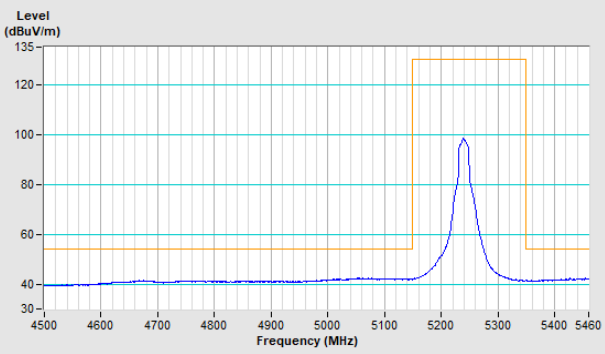
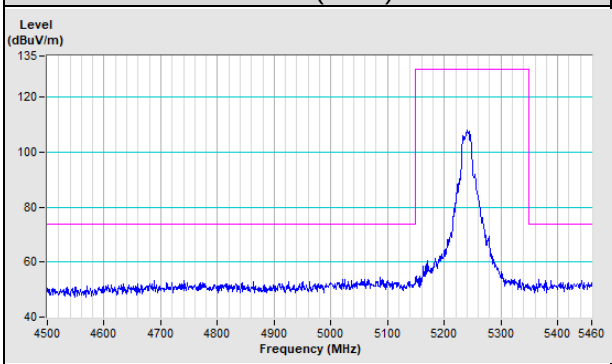
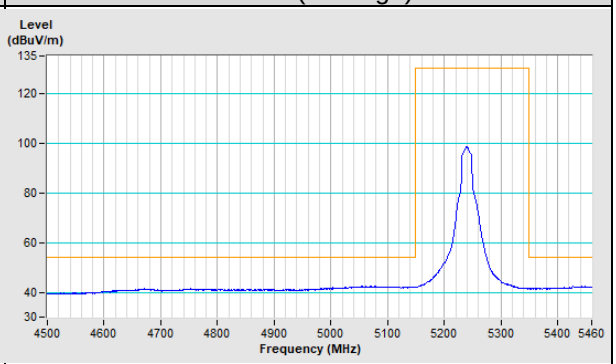
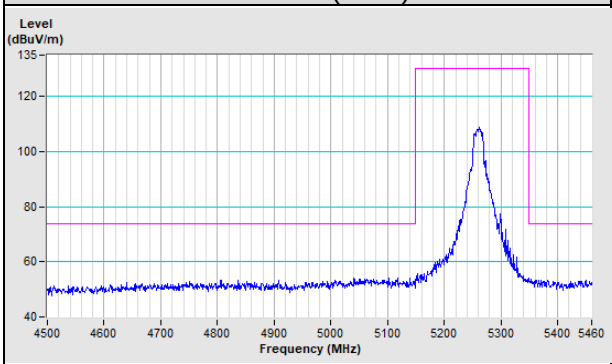
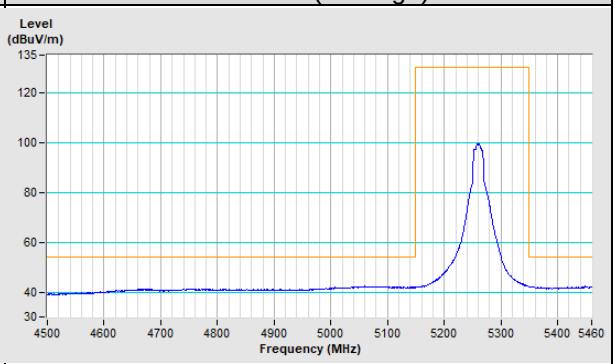
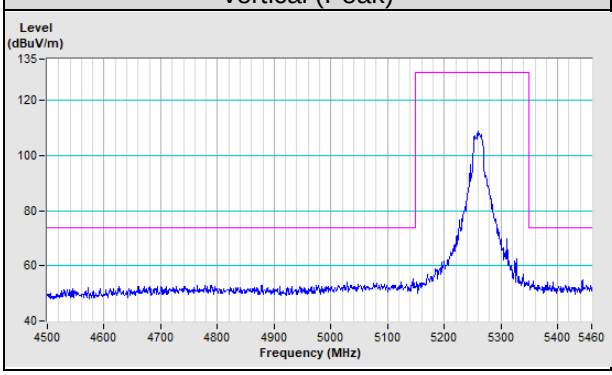
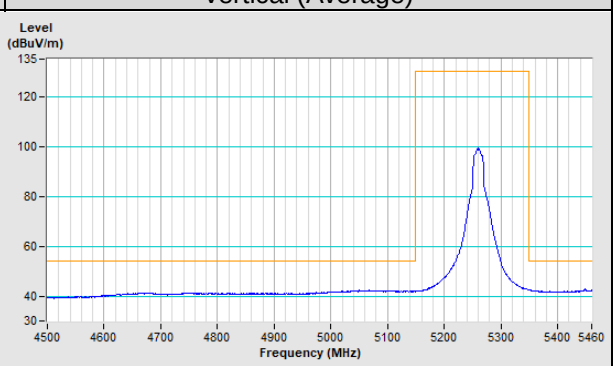


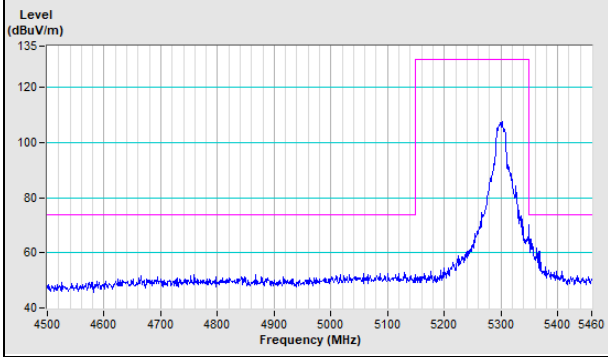
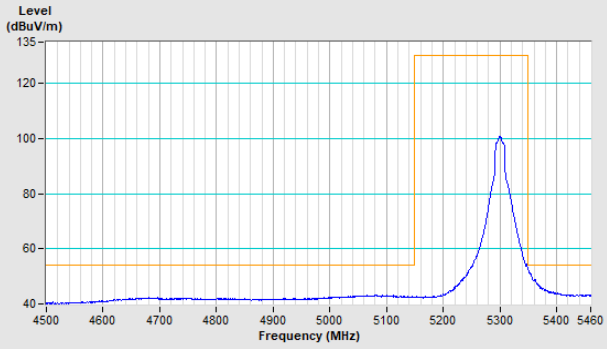
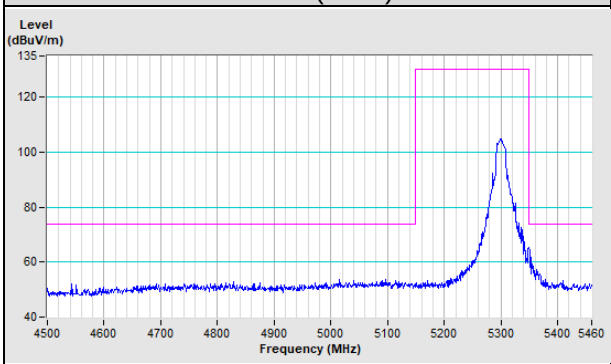
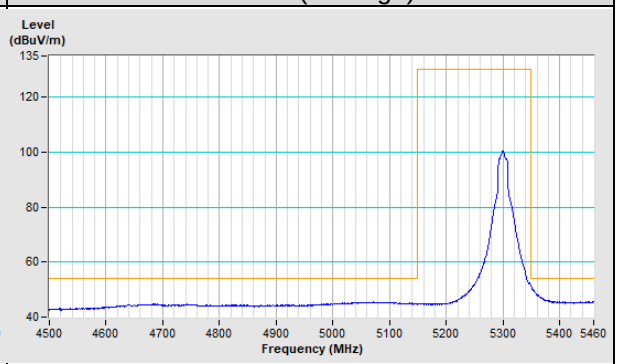
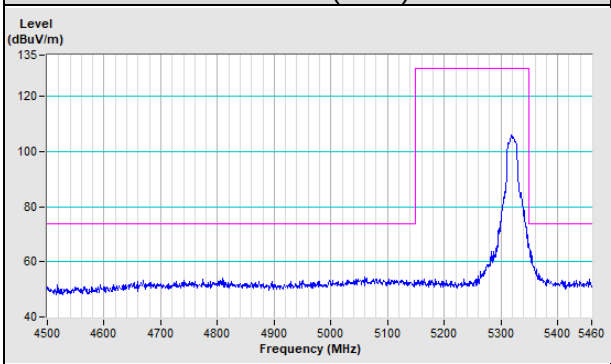
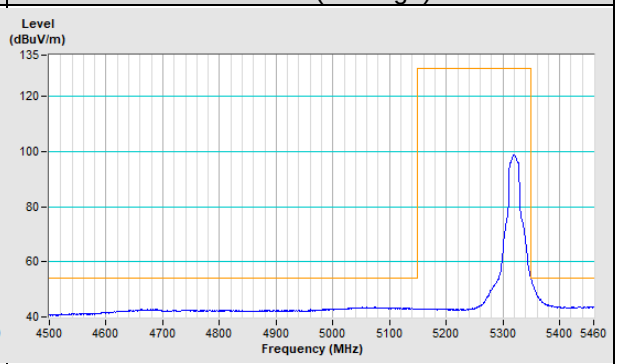
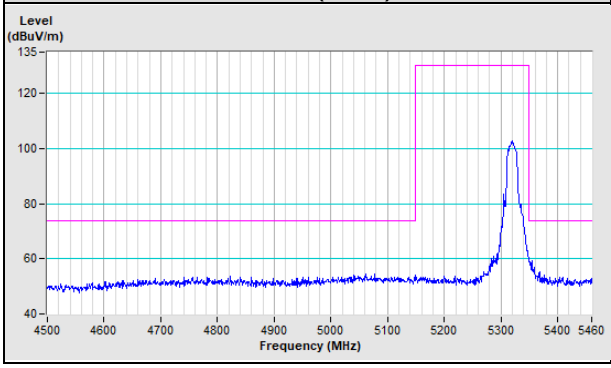
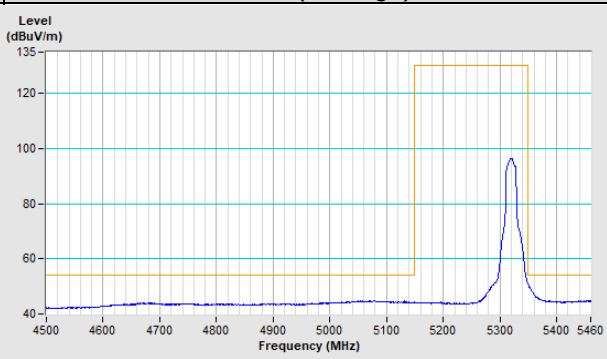
Vertical (Peak)

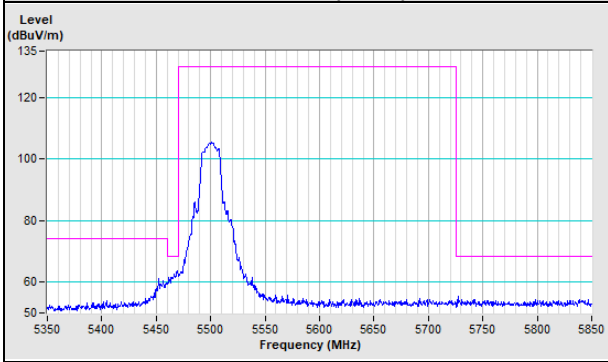
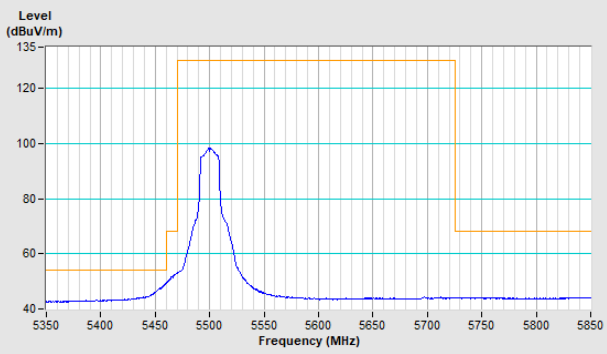
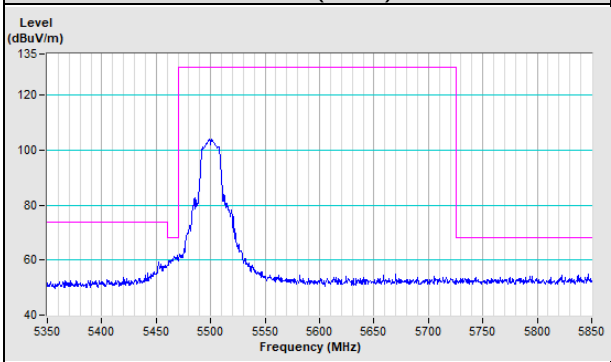
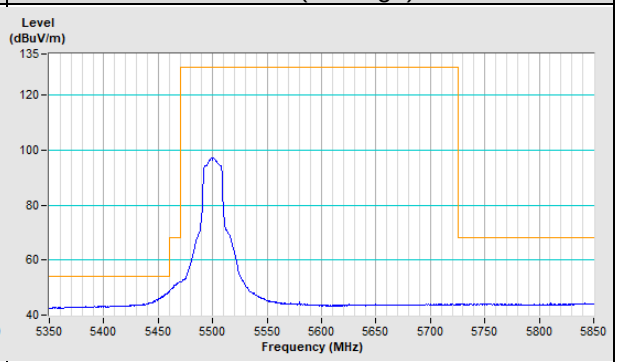
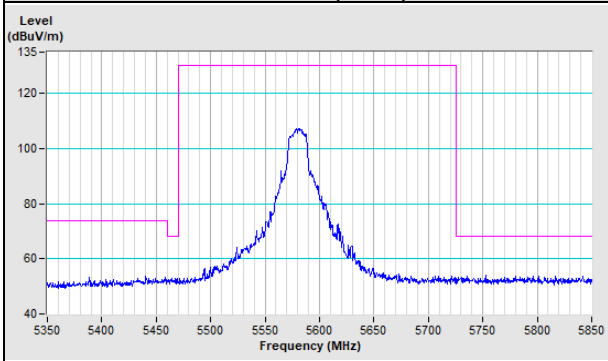
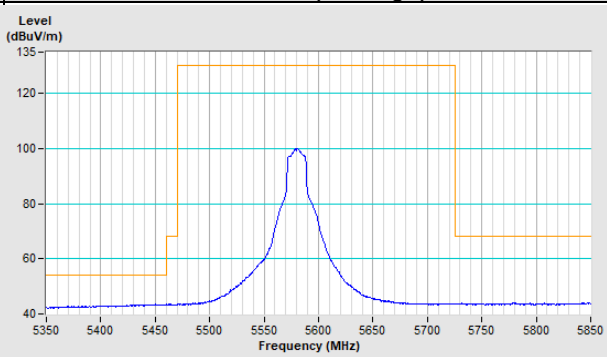
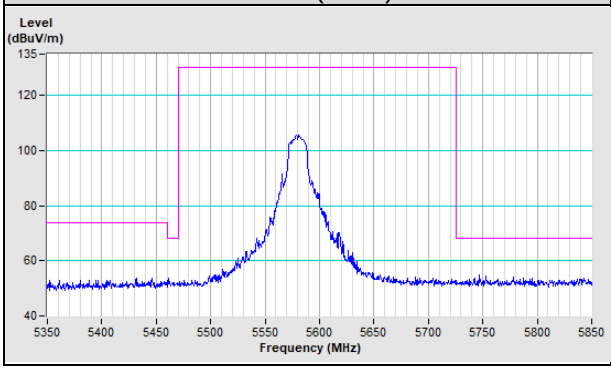
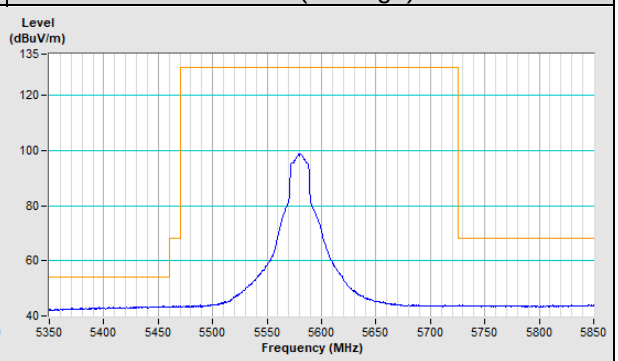


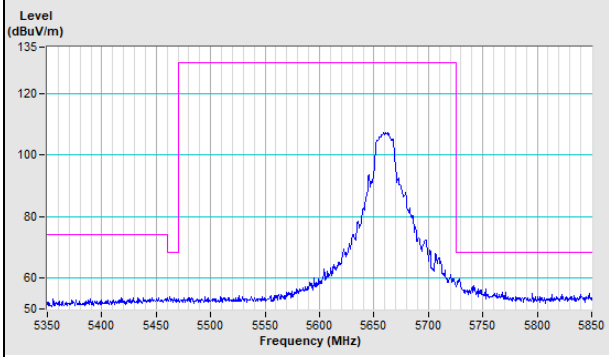
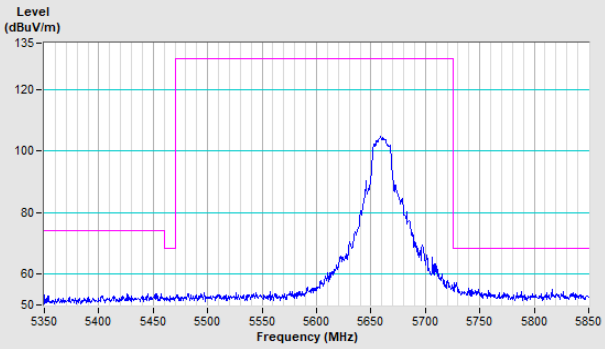
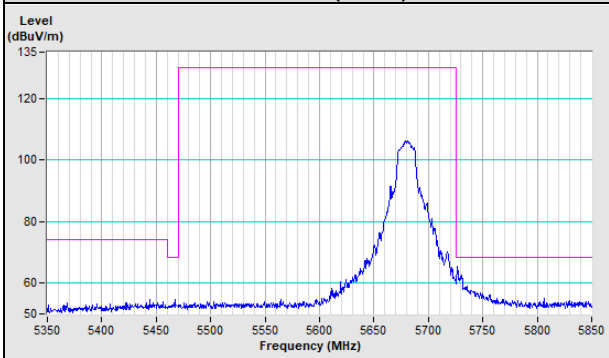
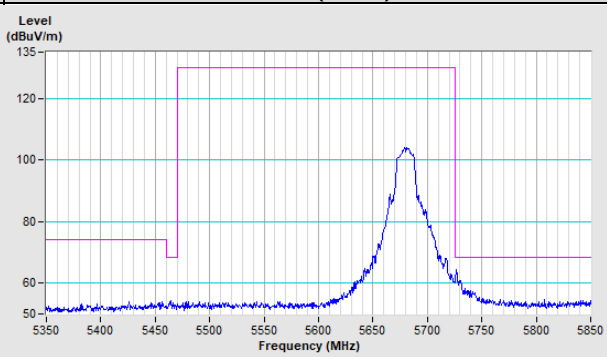
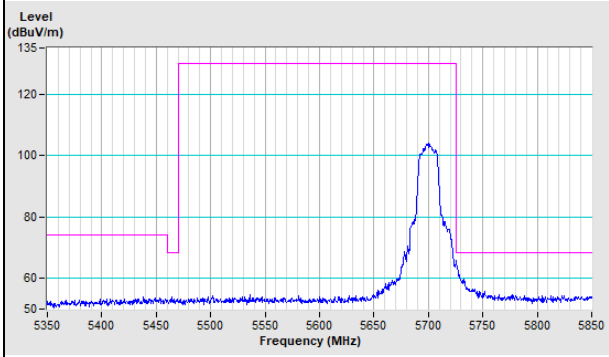
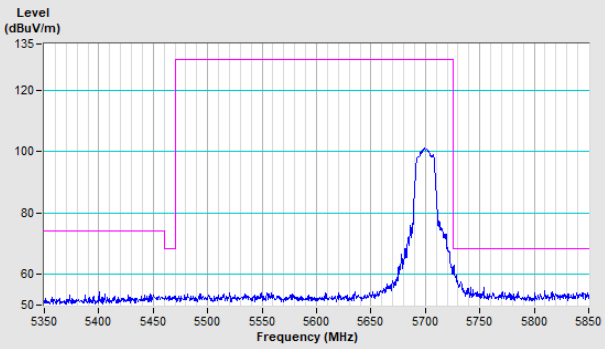
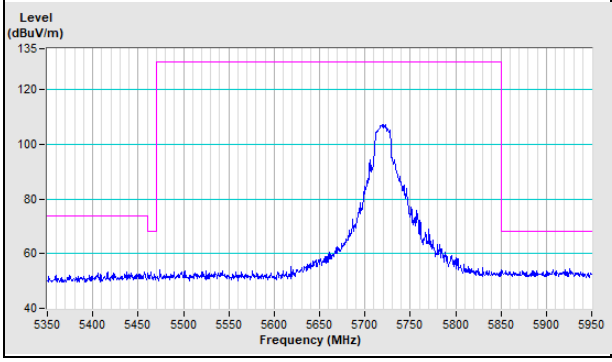
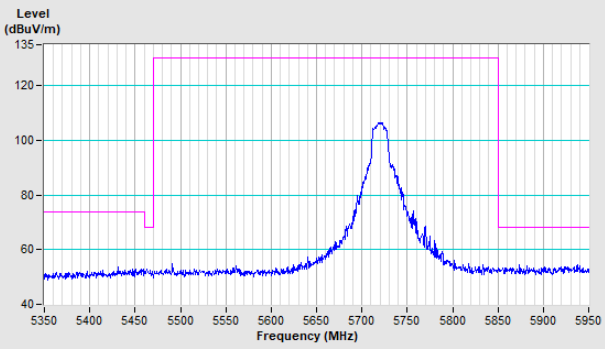
Vertical (Average)

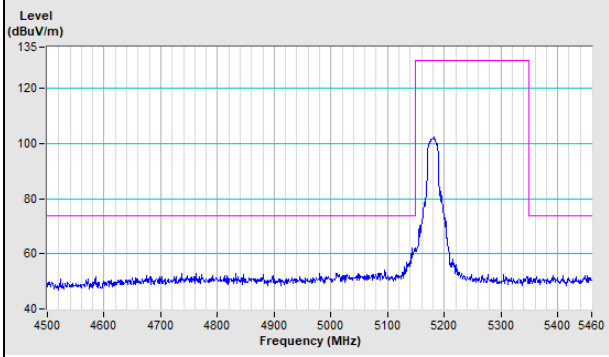
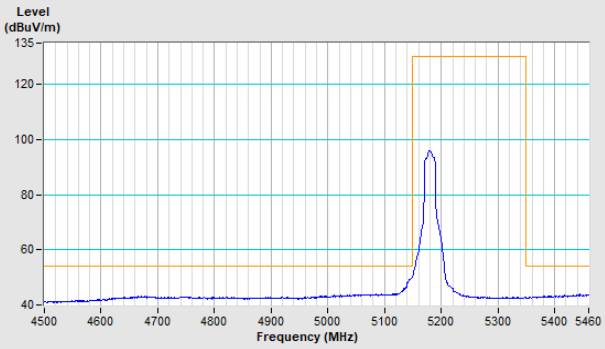
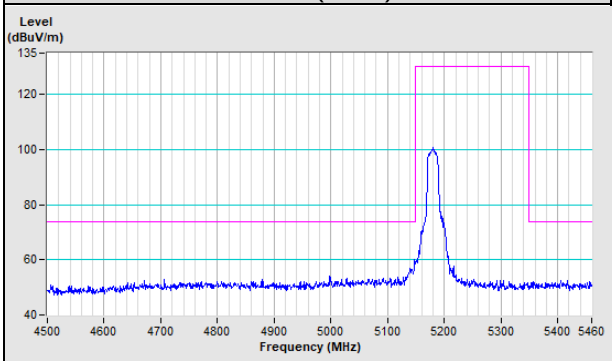
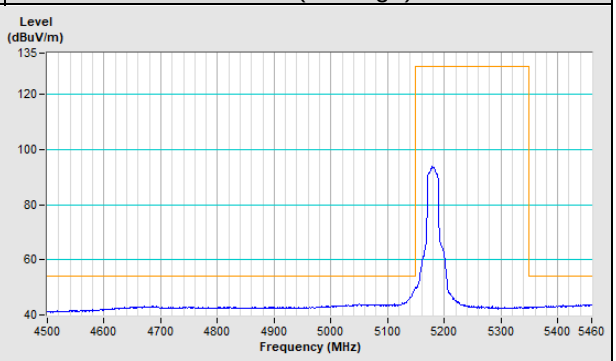
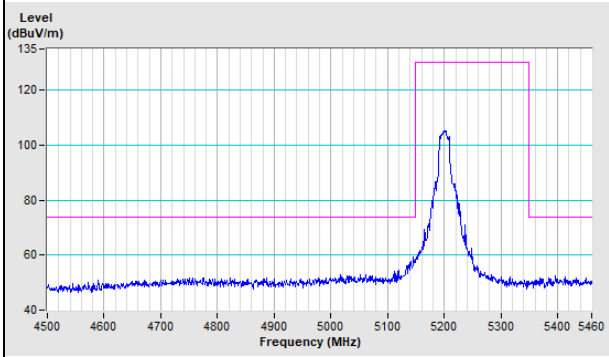
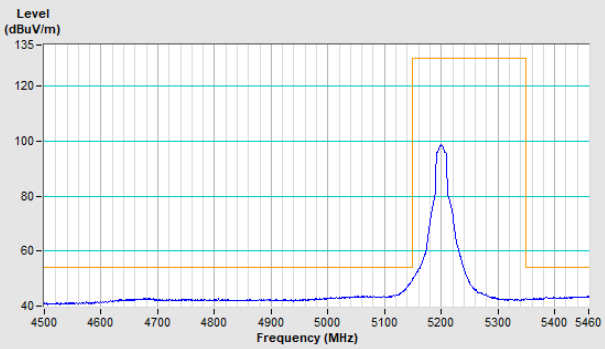
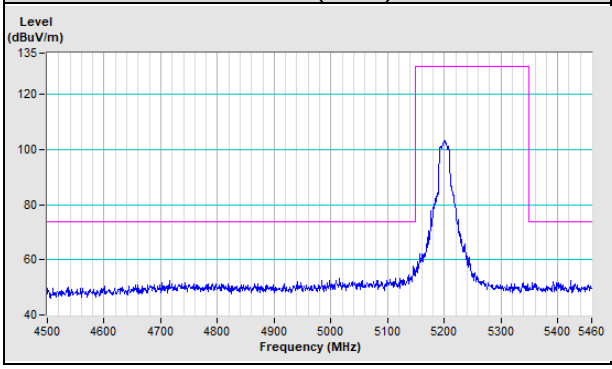
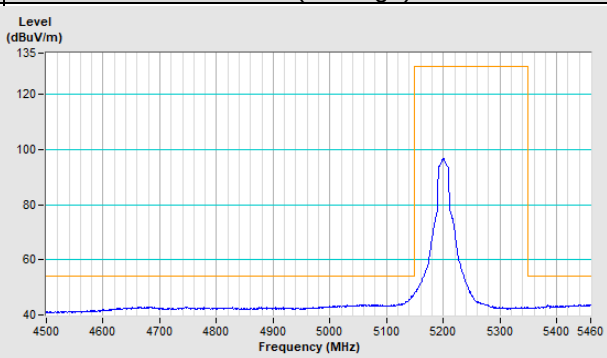


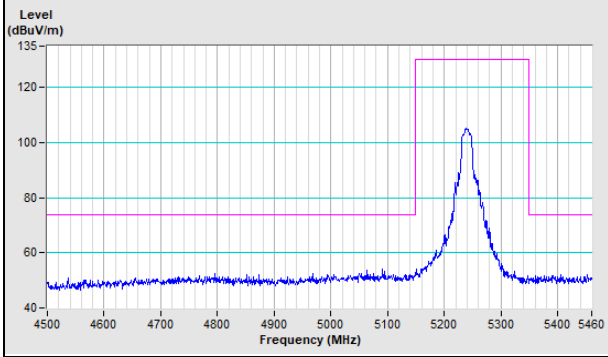
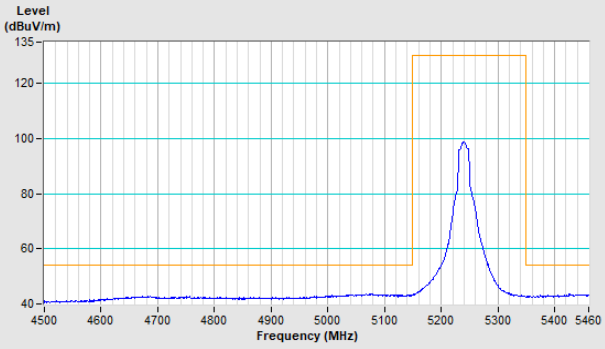
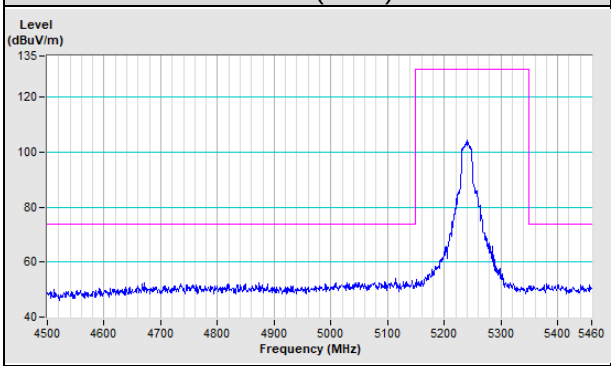
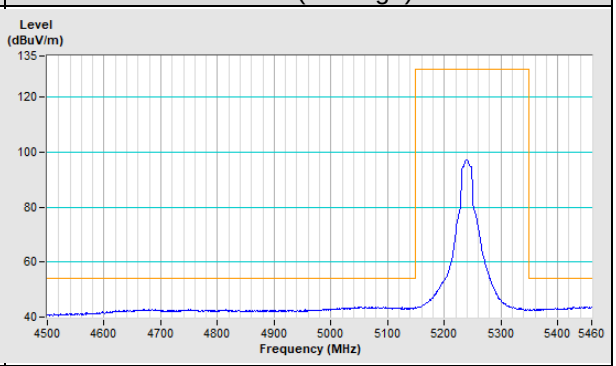
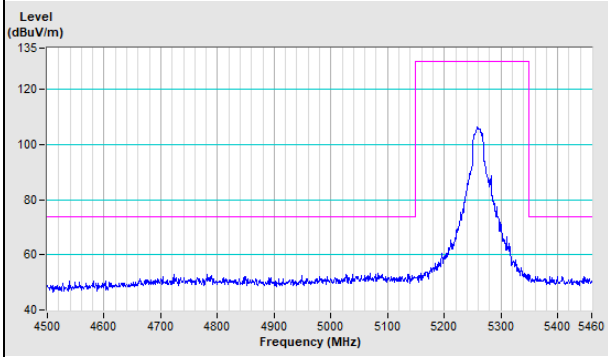
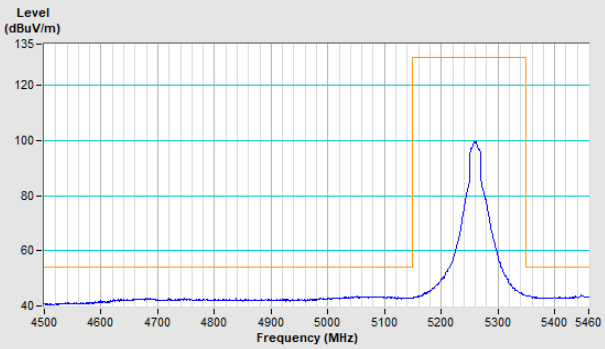
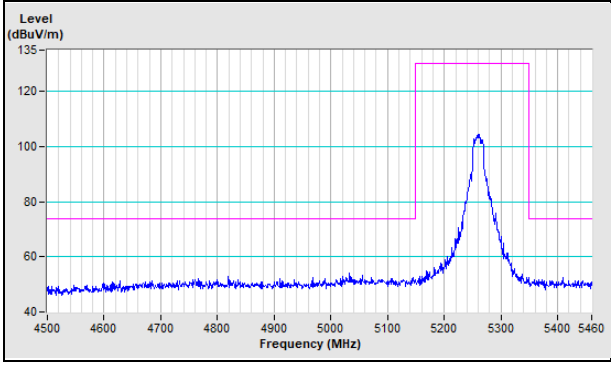
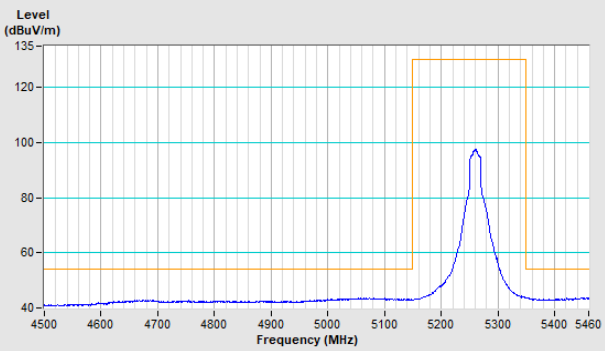
802.11a Channel 48	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 52	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

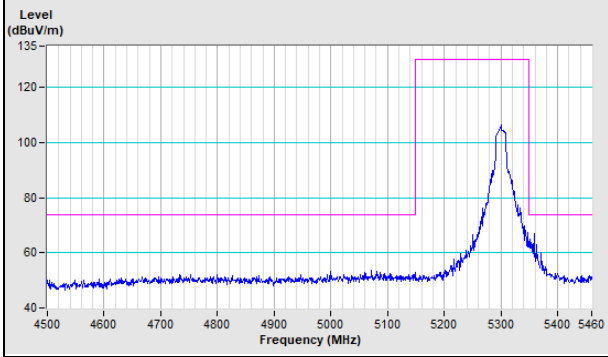
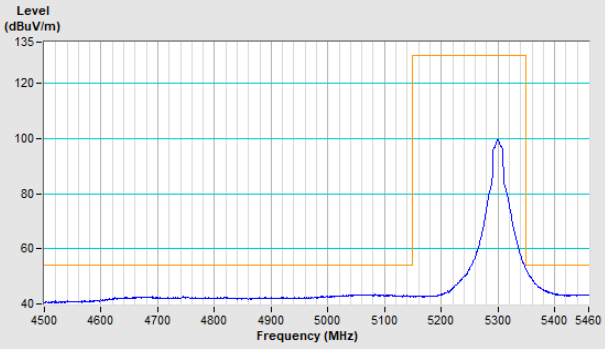
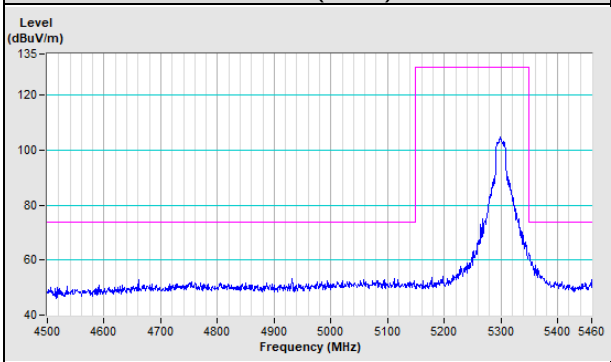
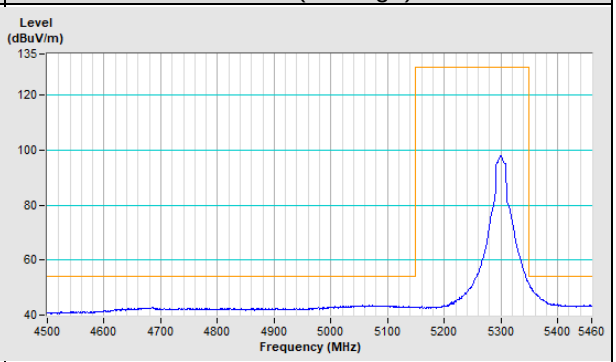
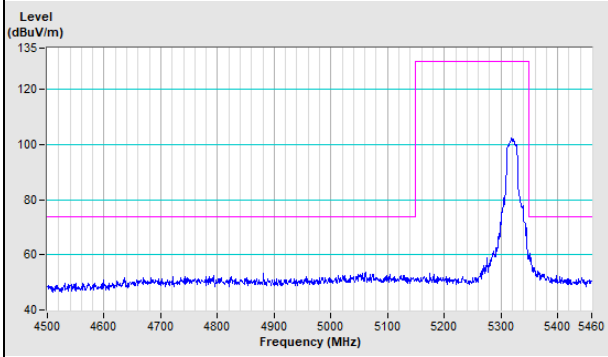
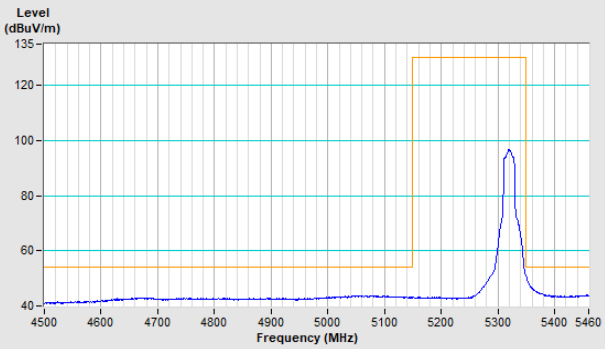
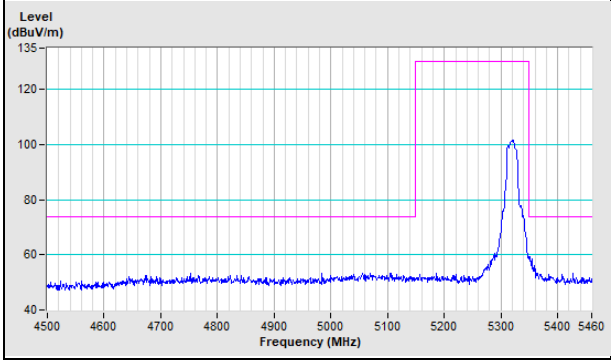
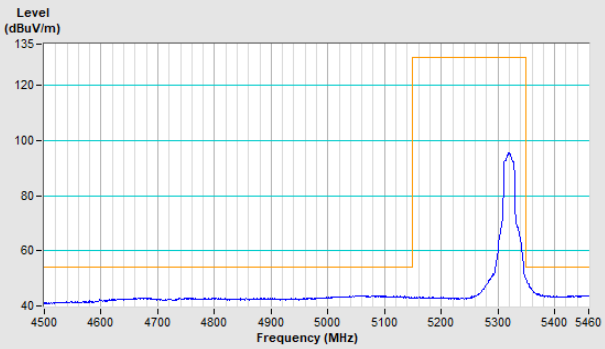
802.11a Channel 60	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

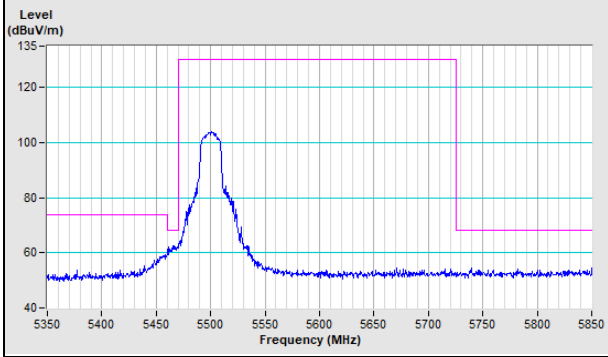
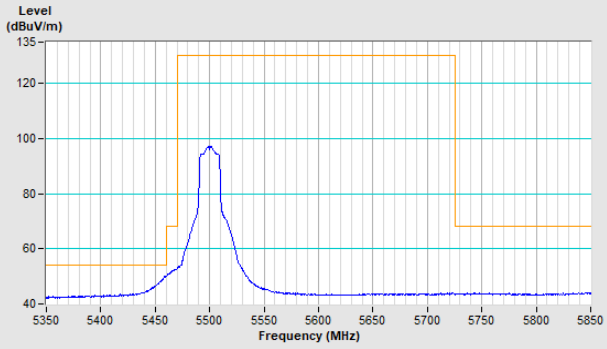
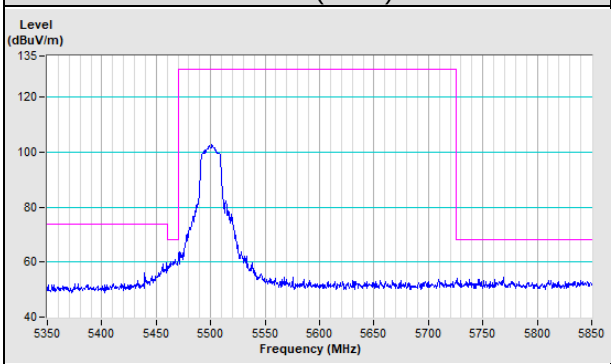
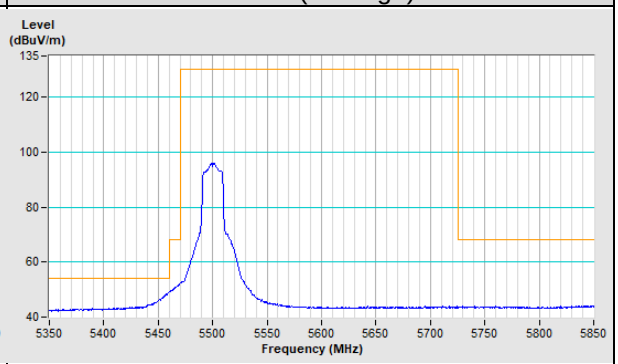
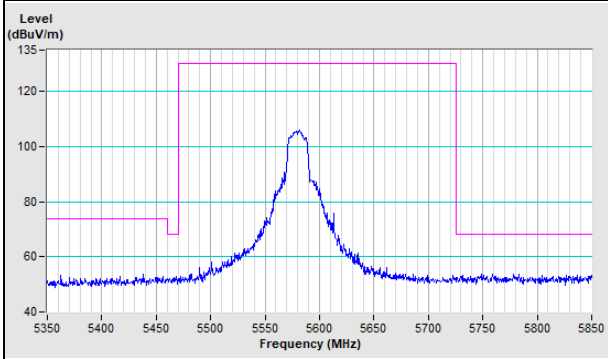
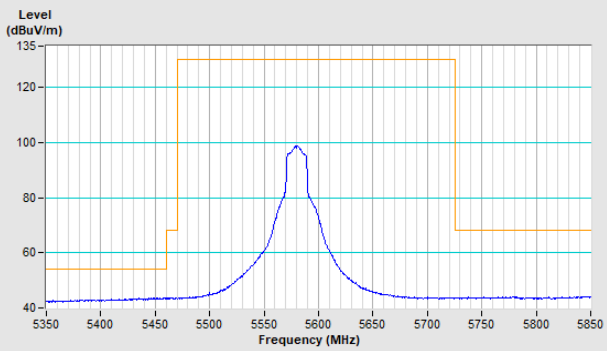
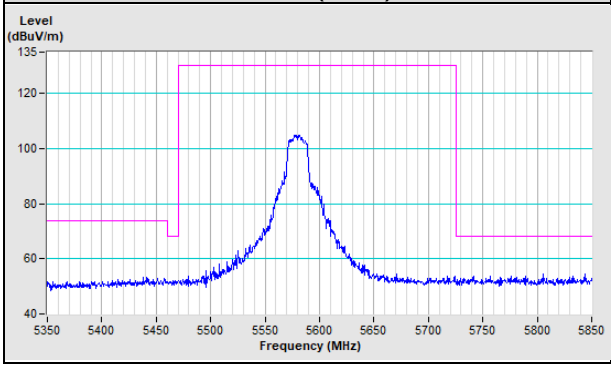
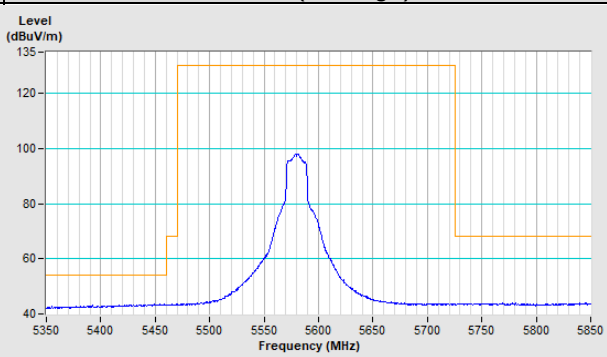
802.11a Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 116	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

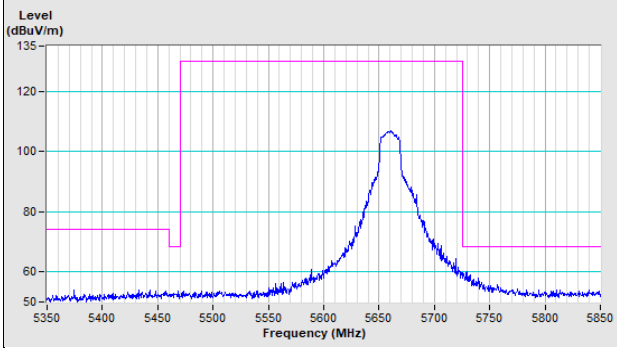
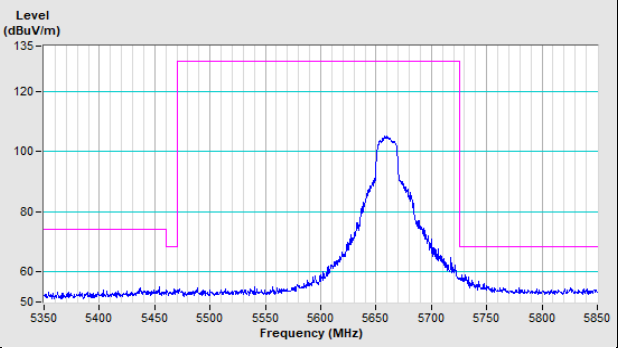
802.11a Channel 132	
Horizontal (Peak)	Vertical (Peak)
	
802.11a Channel 136	
Horizontal (Peak)	Vertical (Peak)
	
802.11a Channel 140	
Horizontal (Peak)	Vertical (Peak)
	
802.11a Channel 144	
Horizontal (Peak)	Vertical (Peak)
	

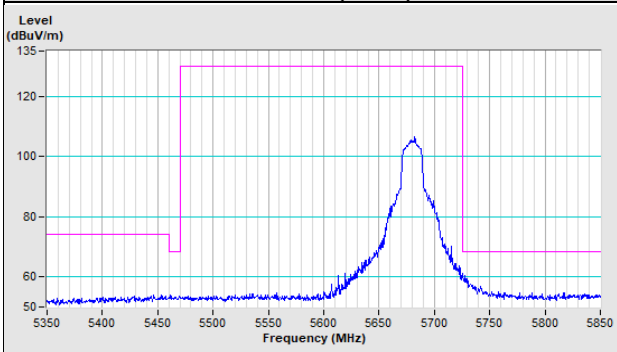
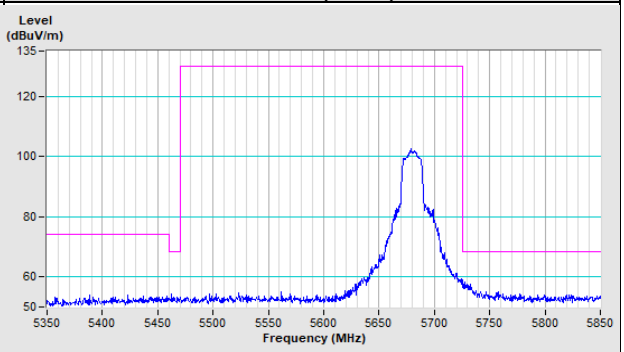
802.11ac (VHT20) Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT20) Channel 40	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

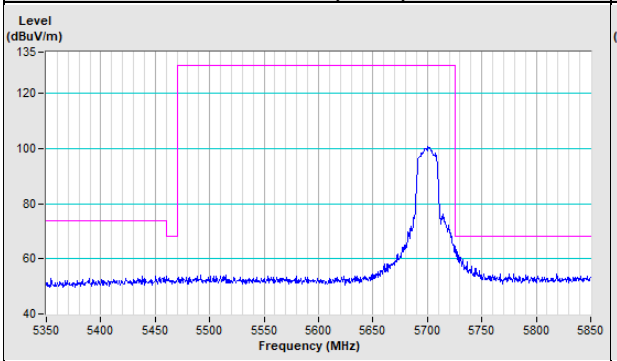
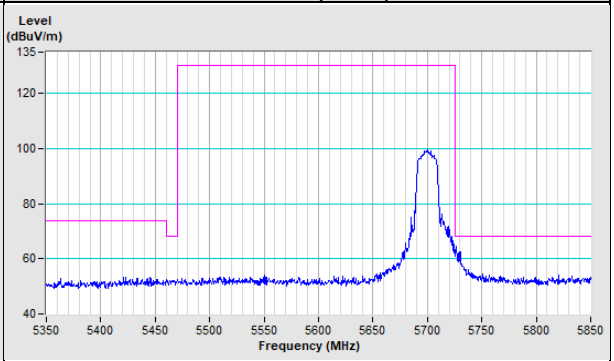
802.11ac (VHT20) Channel 48	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT20) Channel 52	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

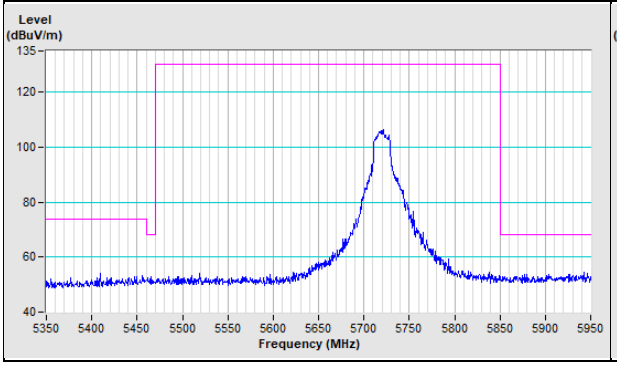
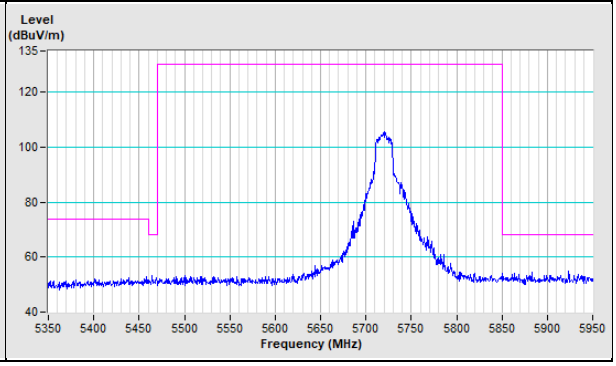
802.11ac (VHT20) Channel 60	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT20) Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

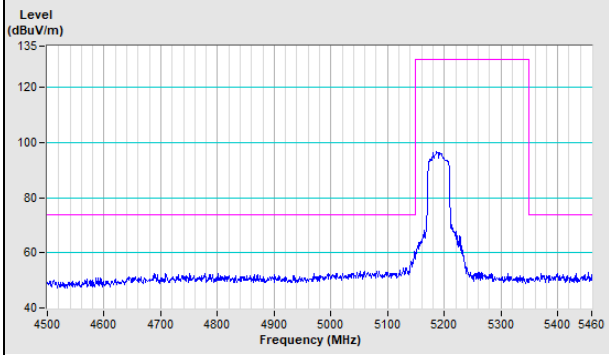
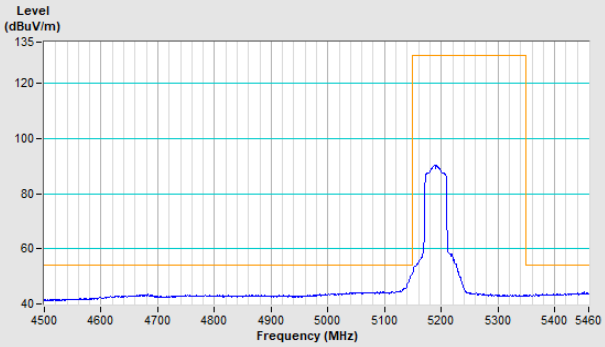
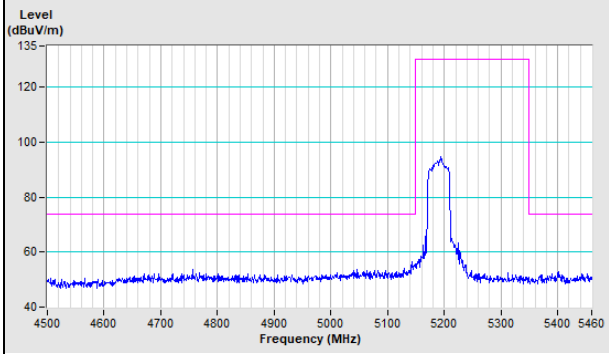
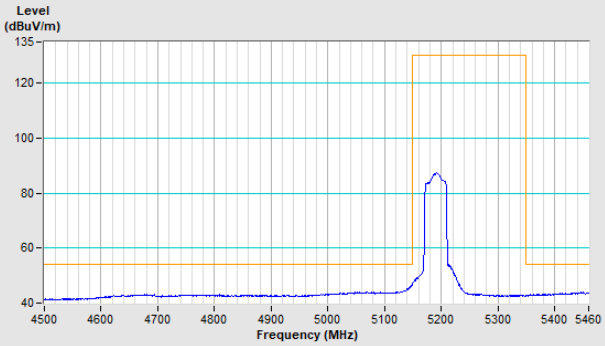
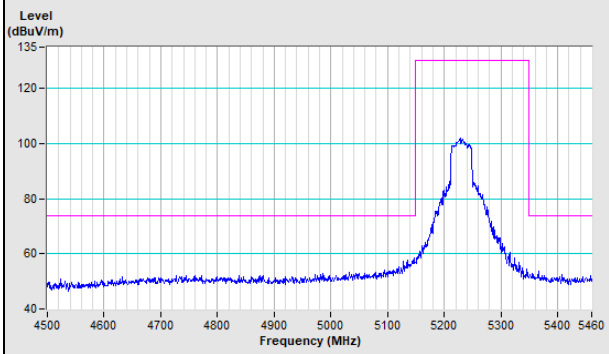
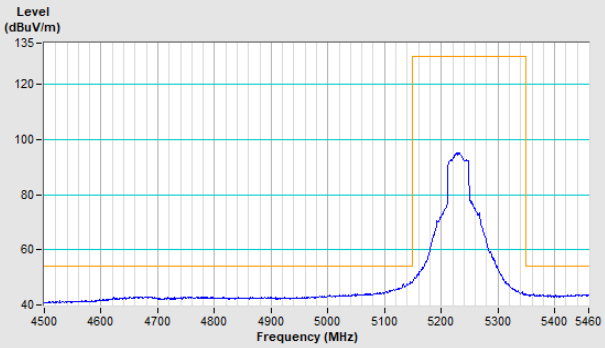
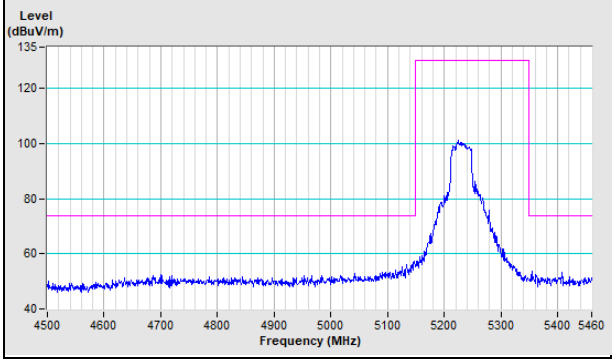
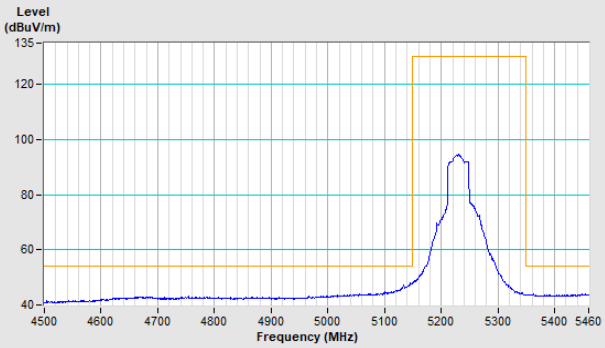
802.11ac (VHT20) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT20) Channel 116	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

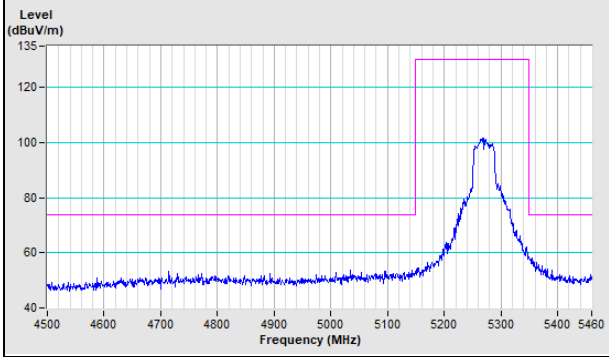
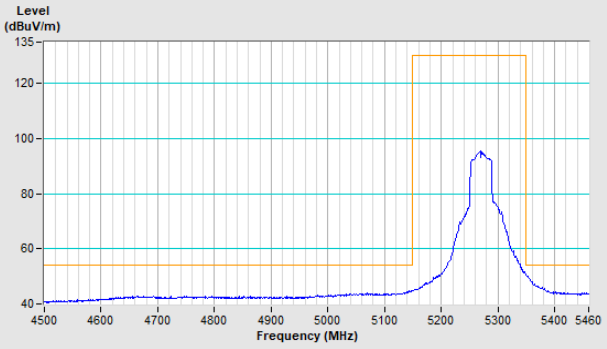
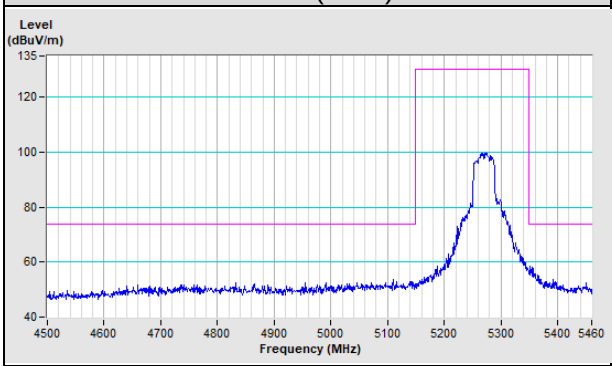
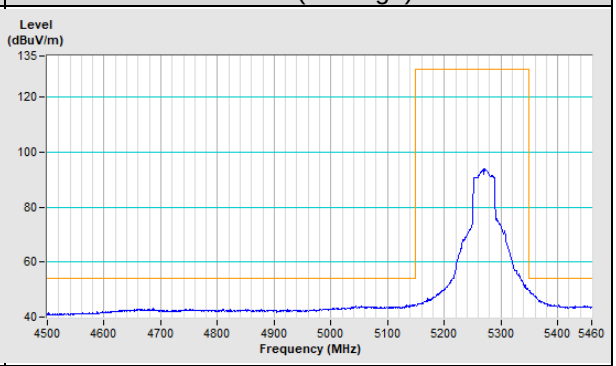
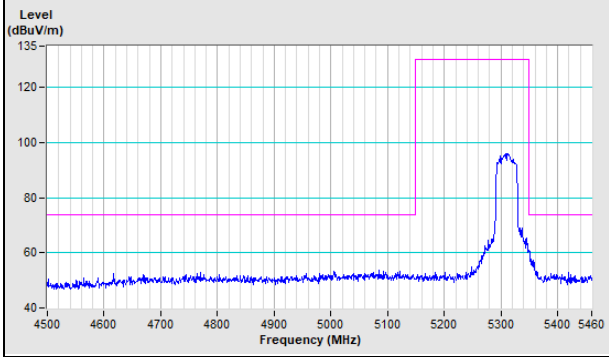
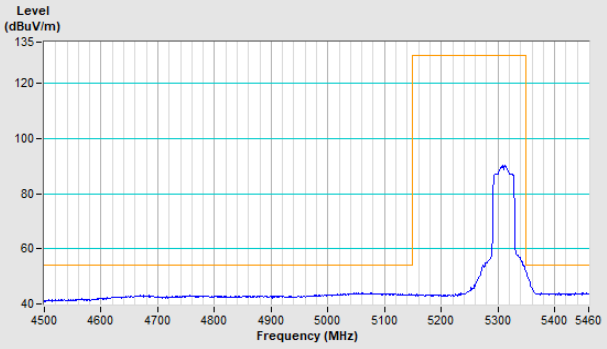
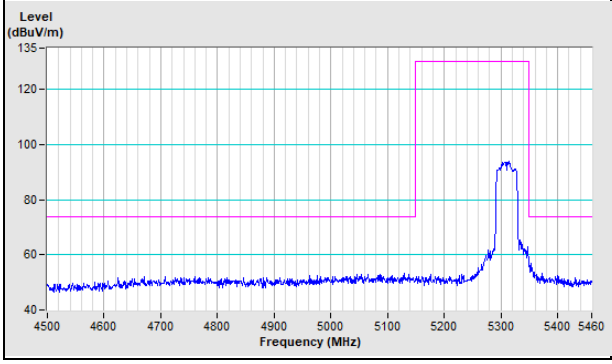
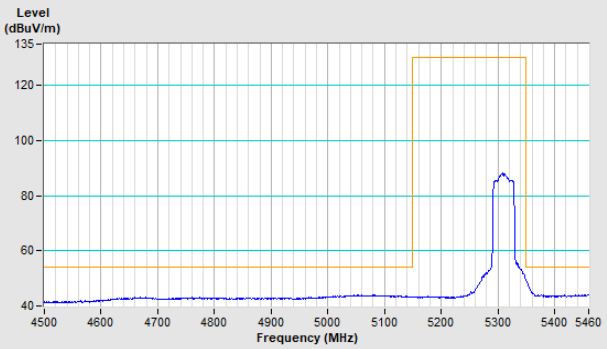
802.11ac (VHT20) Channel 132	
Horizontal (Peak)	Vertical (Peak)
	

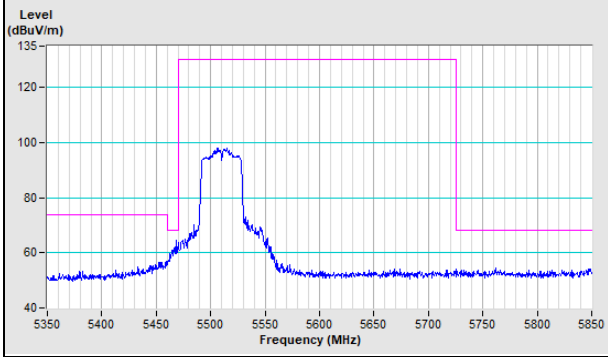
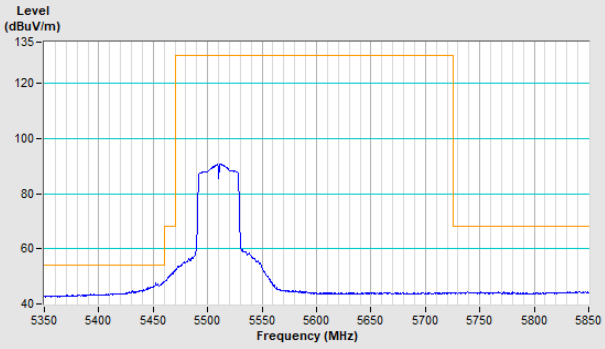
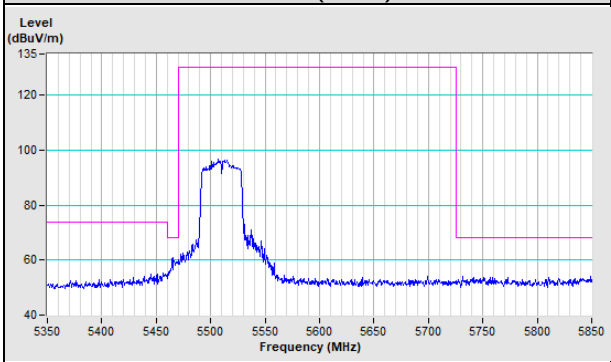
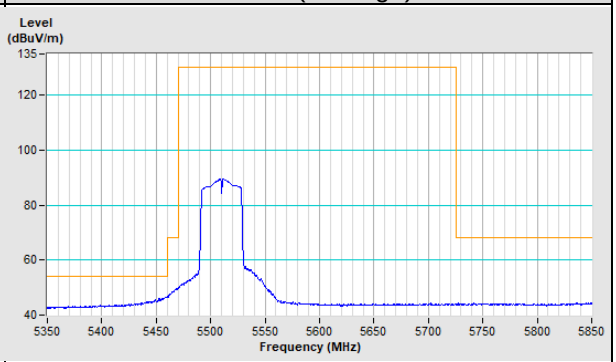
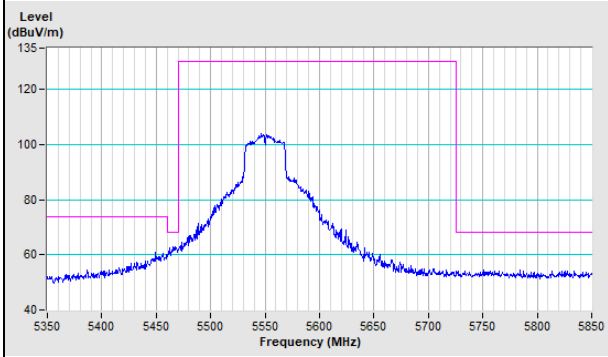
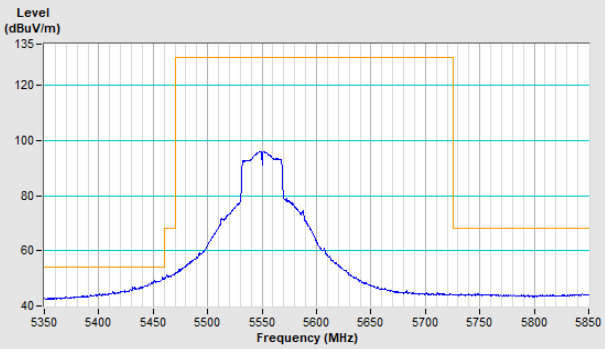
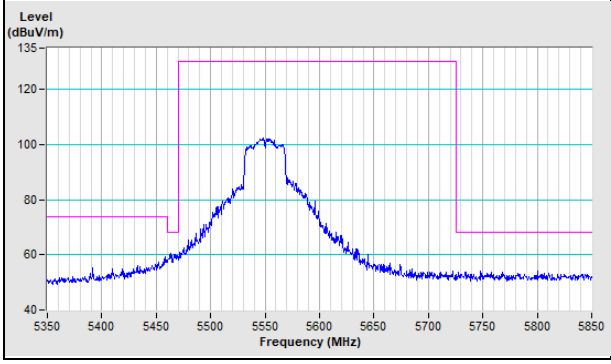
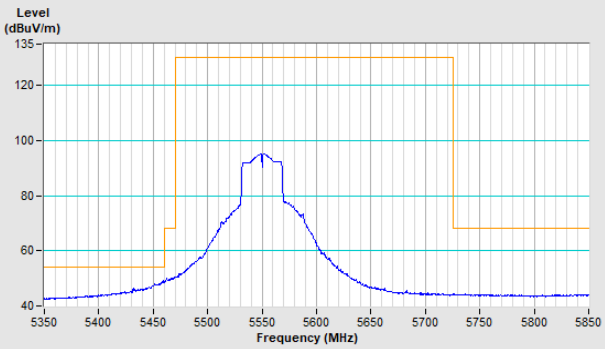
802.11ac (VHT20) Channel 136	
Horizontal (Peak)	Vertical (Peak)
	

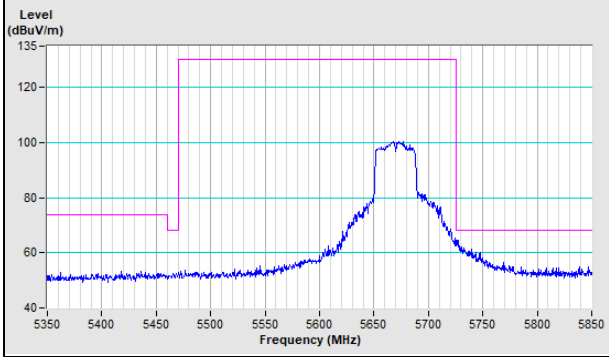
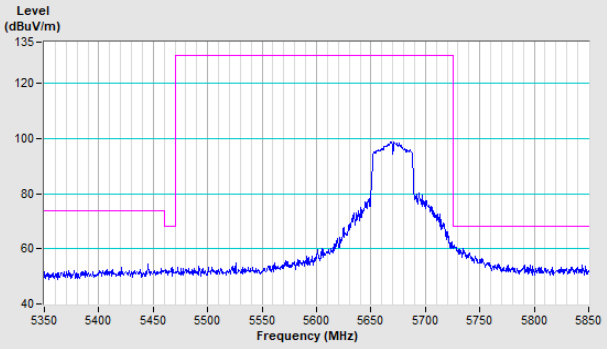
802.11ac (VHT20) Channel 140	
Horizontal (Peak)	Vertical (Peak)
	

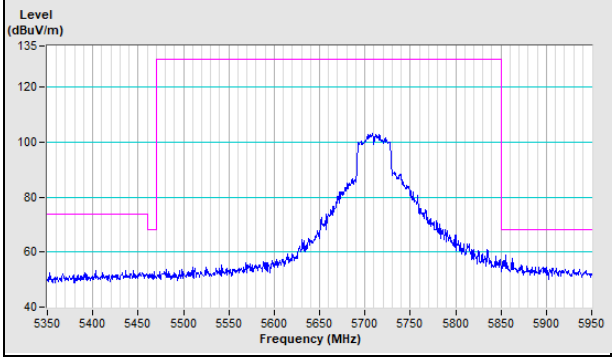
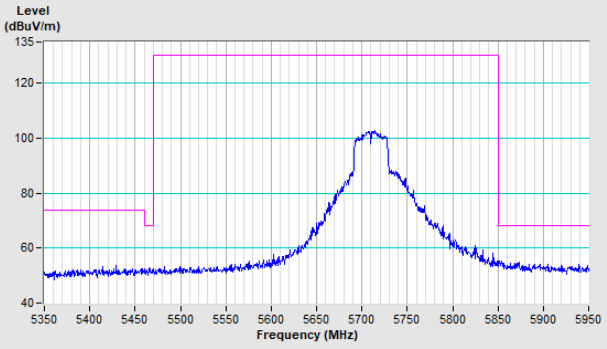
802.11ac (VHT20) Channel 144	
Horizontal (Peak)	Vertical (Peak)
	

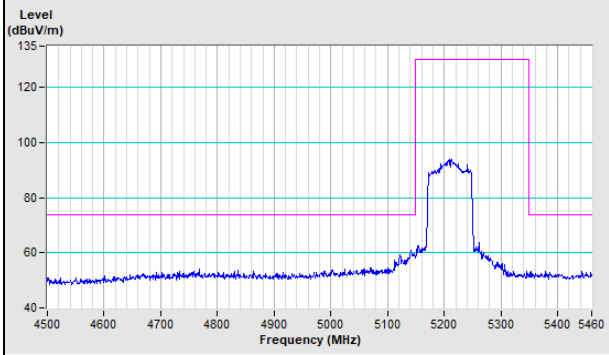
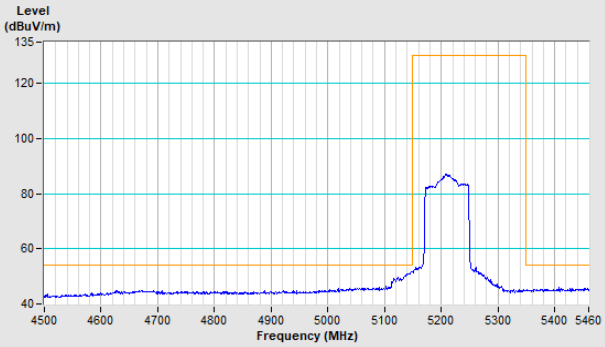
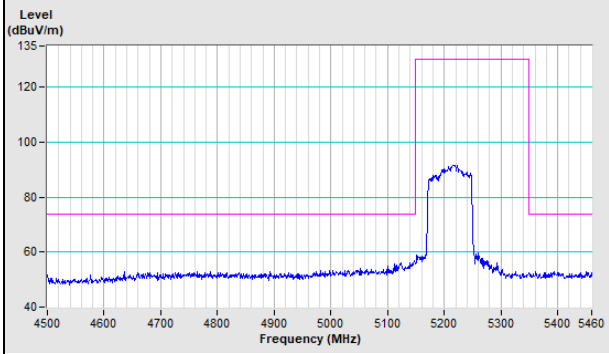
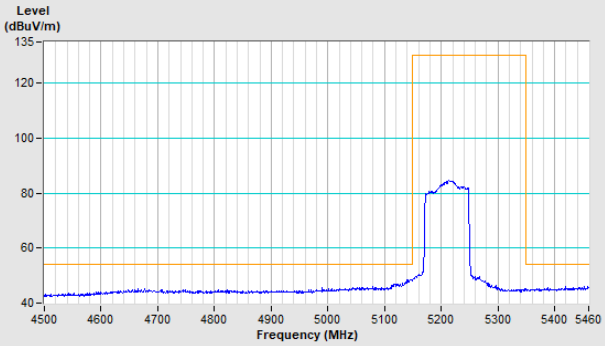
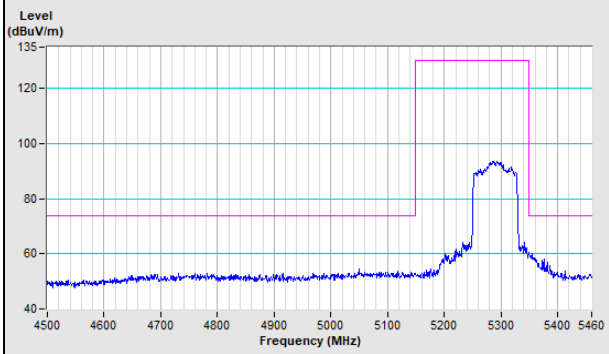
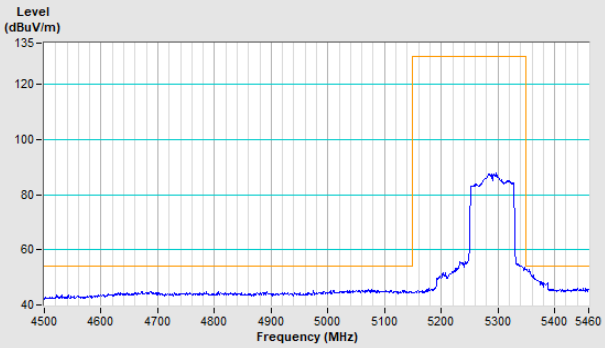
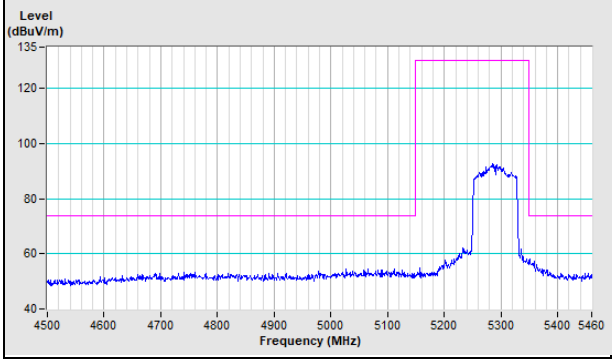
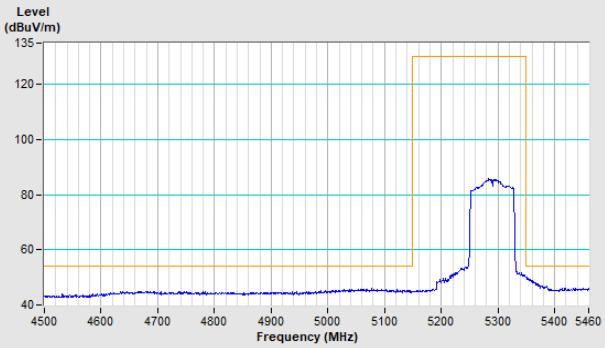
802.11ac (VHT40) Channel 38	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT40) Channel 46	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

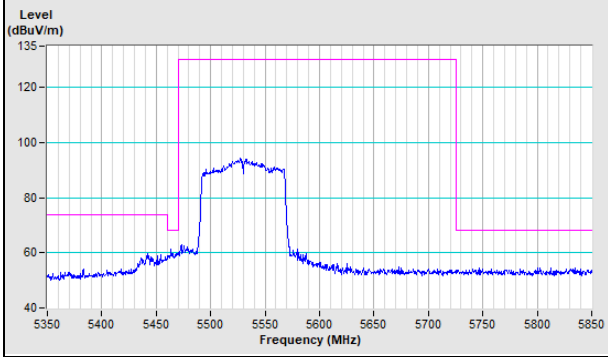
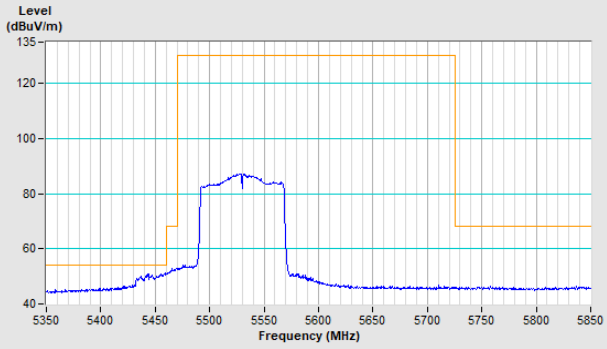
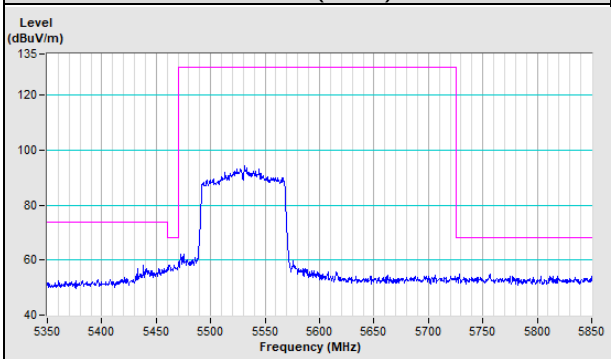
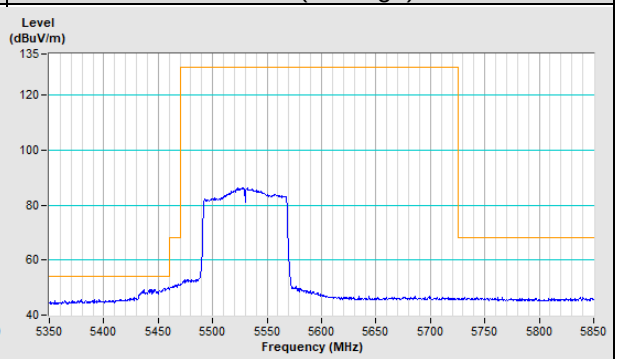
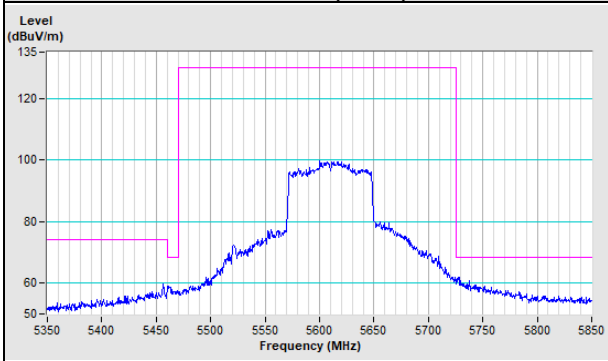
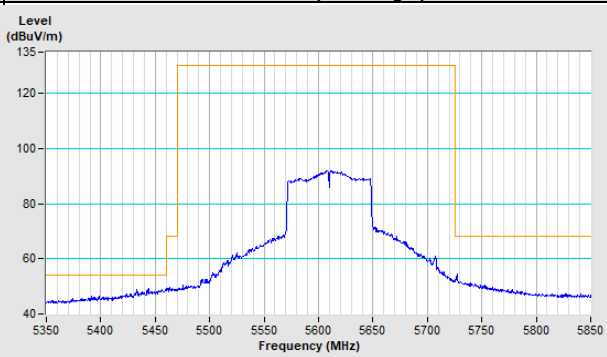
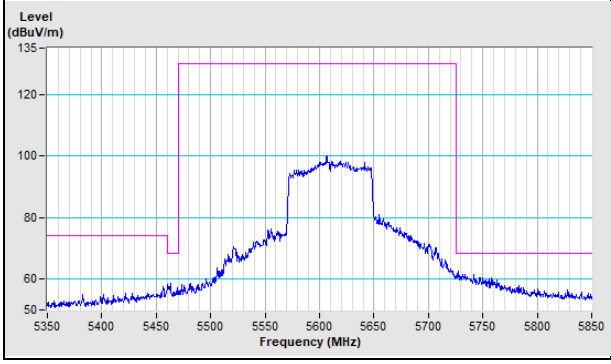
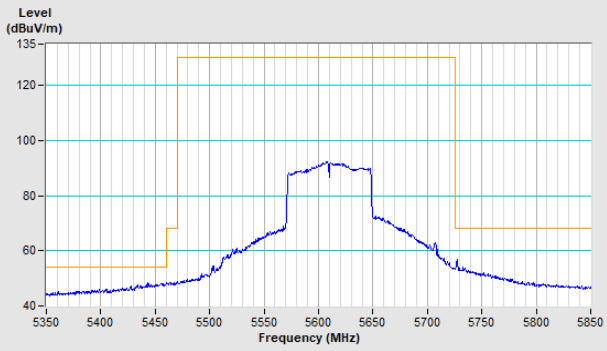
802.11ac (VHT40) Channel 54	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT40) Channel 62	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

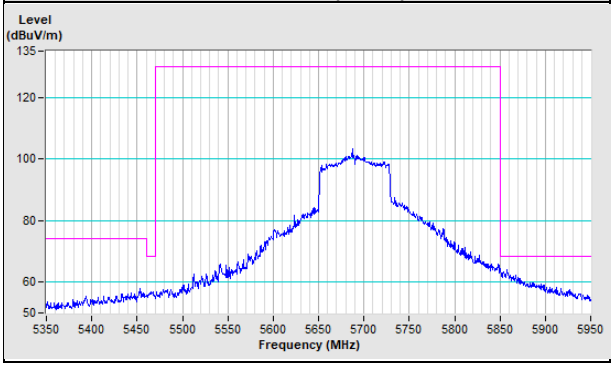
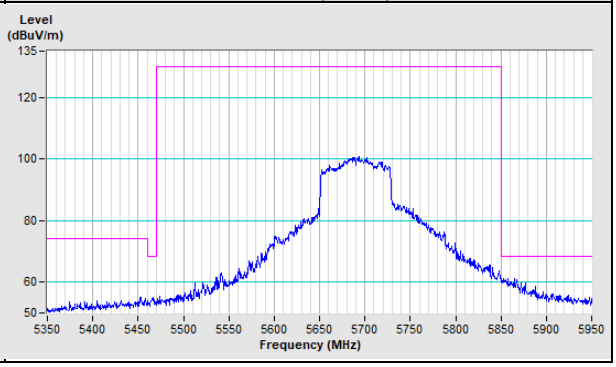
802.11ac (VHT40) Channel 102	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT40) Channel 110	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ac (VHT40) Channel 134	
Horizontal (Peak)	Vertical (Peak)
	

802.11ac (VHT40) Channel 142	
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)
	

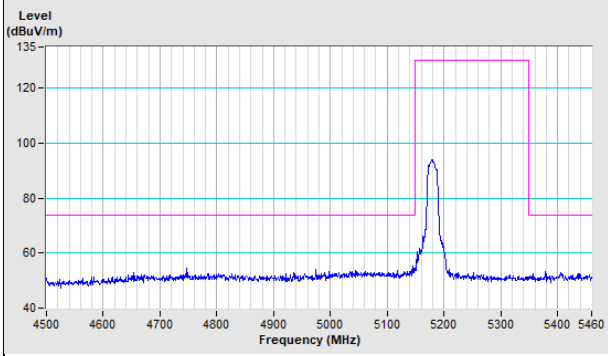
802.11ac (VHT80) Channel 106	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT80) Channel 122	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ac (VHT80) Channel 138	
Horizontal (Peak)	Vertical (Peak)
	

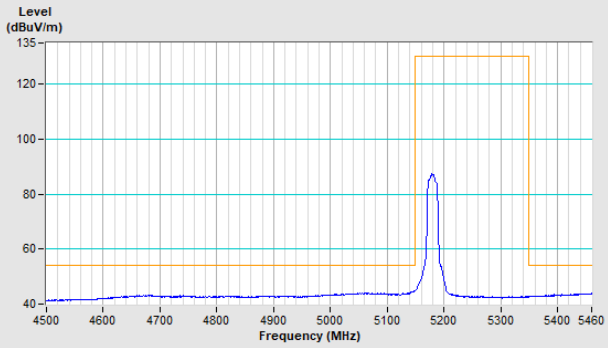
Ant. 2

802.11a Channel 36

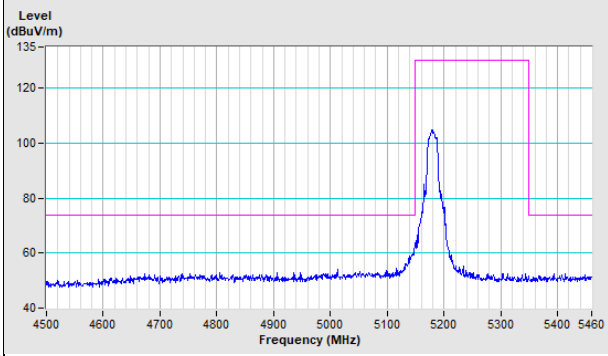
Horizontal (Peak)



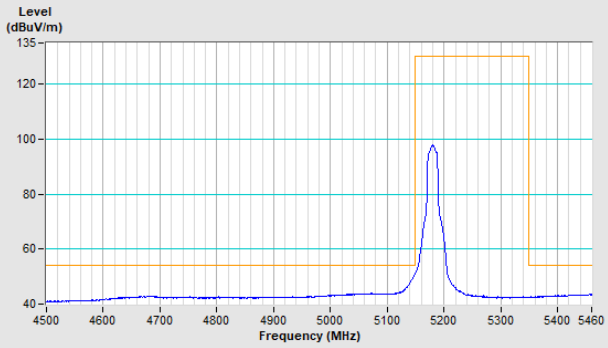
Horizontal (Average)



Vertical (Peak)

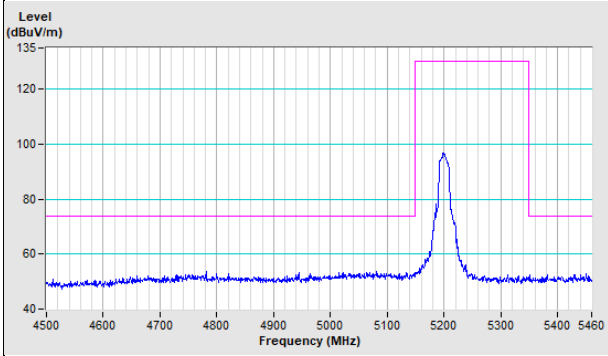


Vertical (Average)

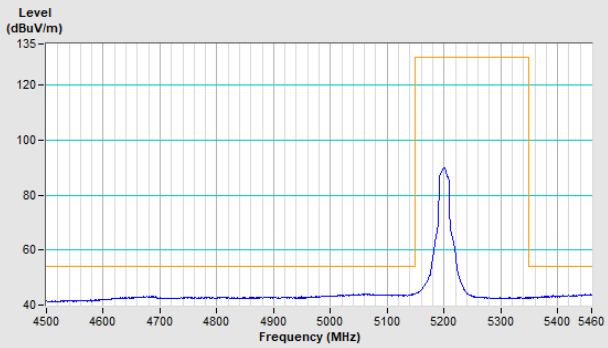


802.11a Channel 40

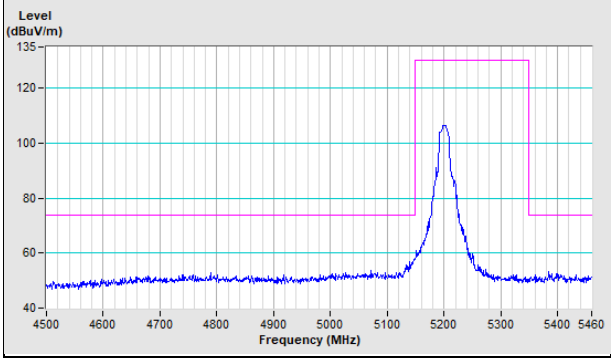
Horizontal (Peak)



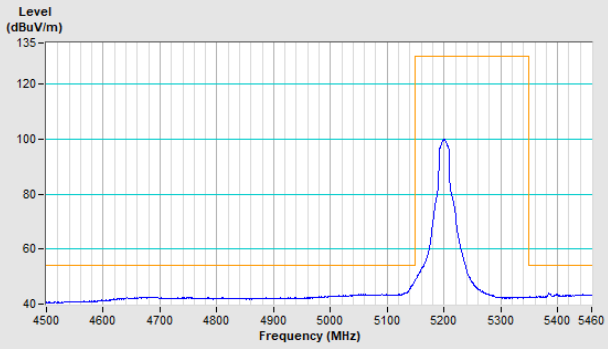
Horizontal (Average)

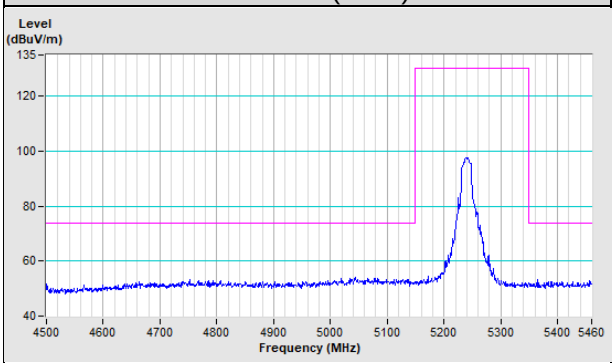
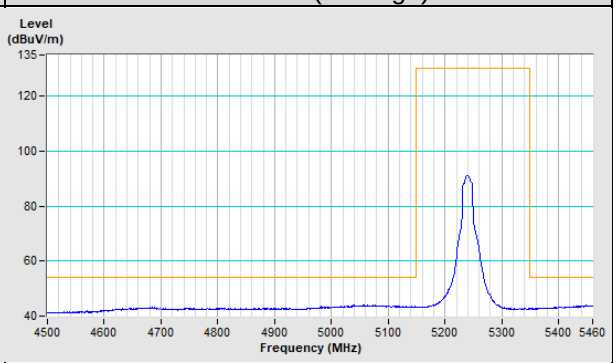
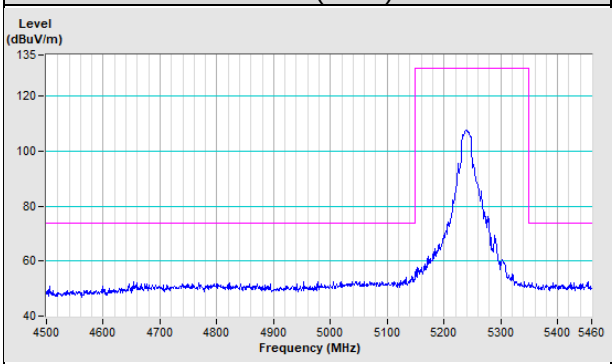
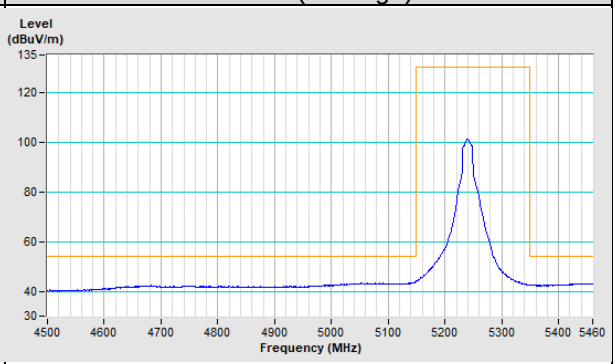
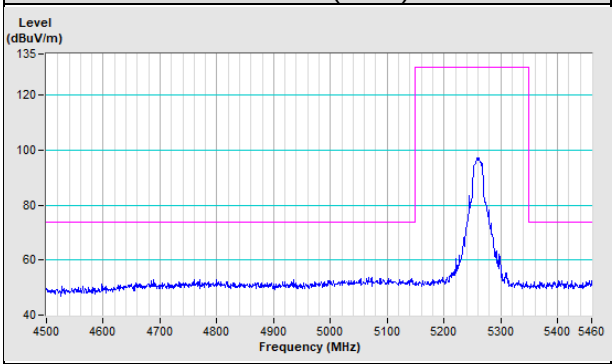
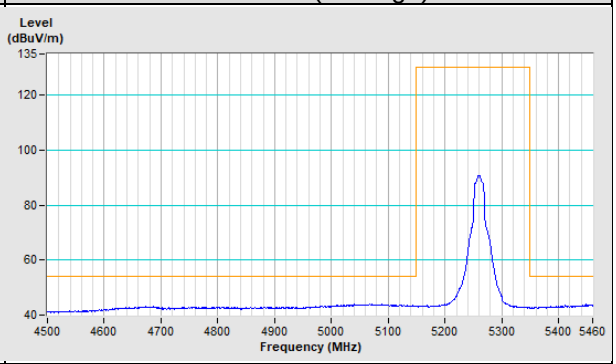
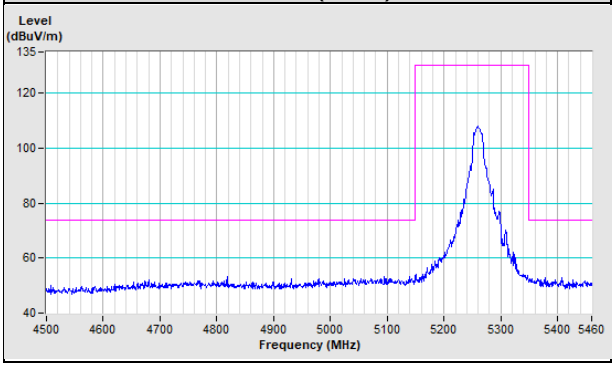
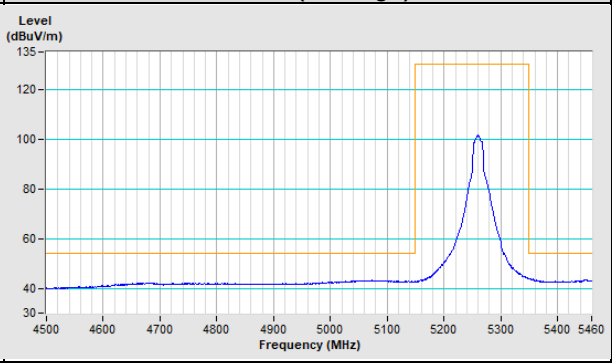


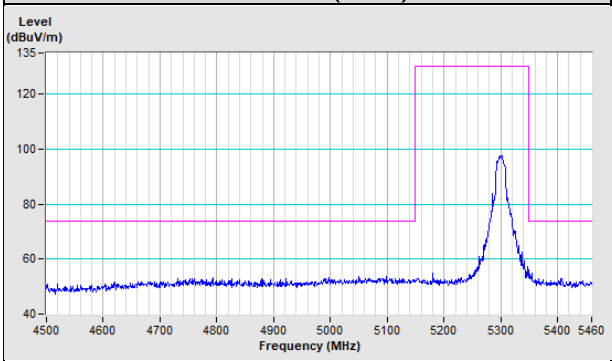
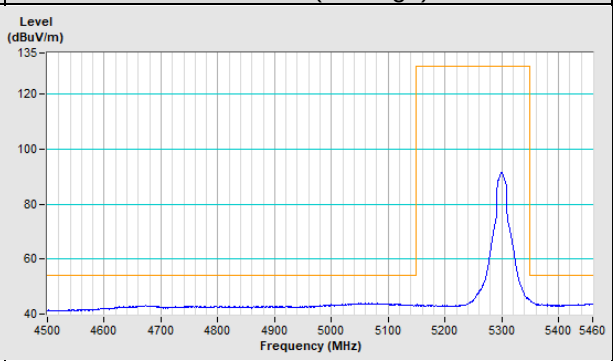
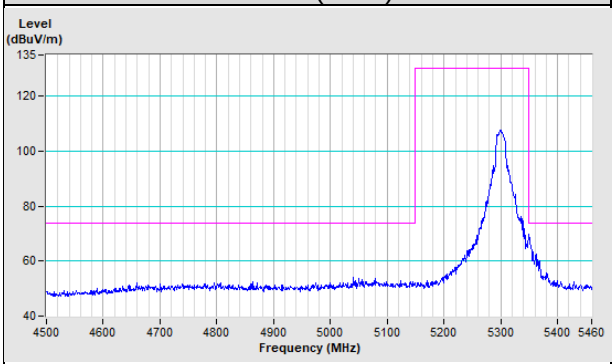
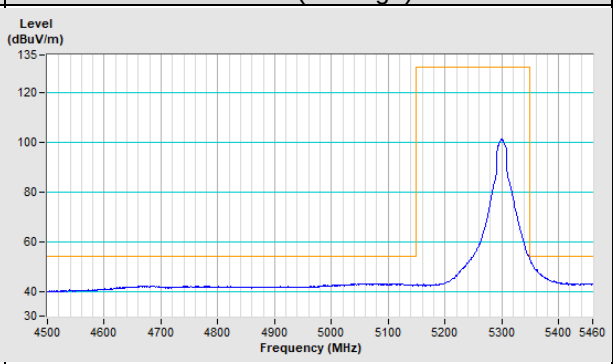
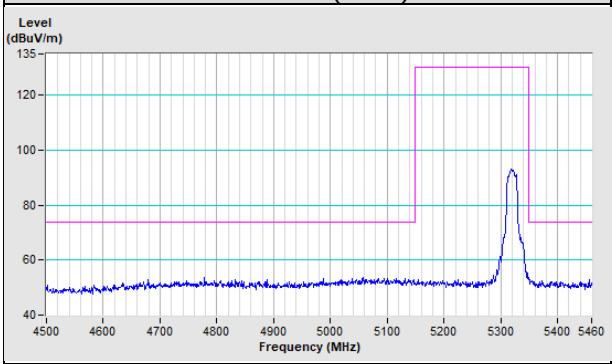
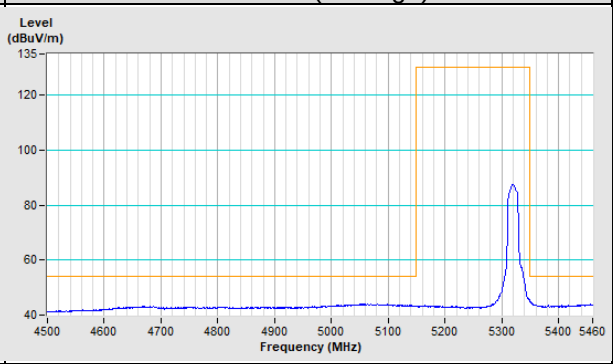
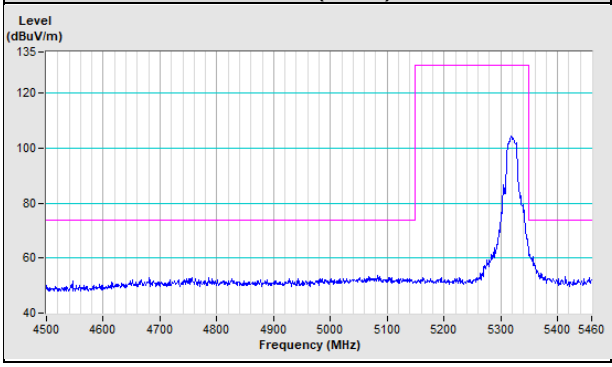
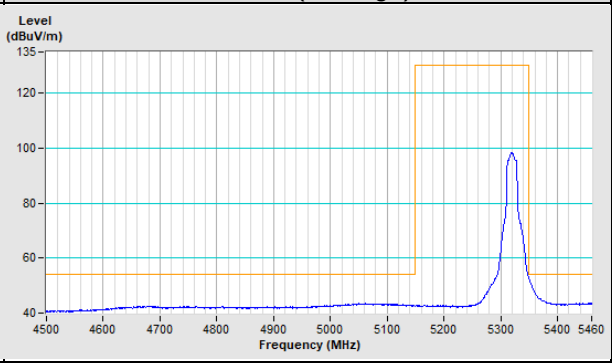
Vertical (Peak)

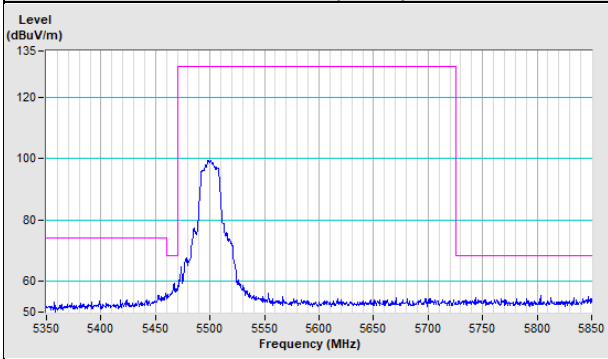
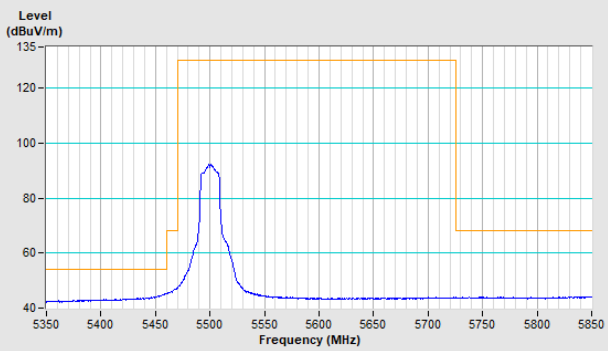
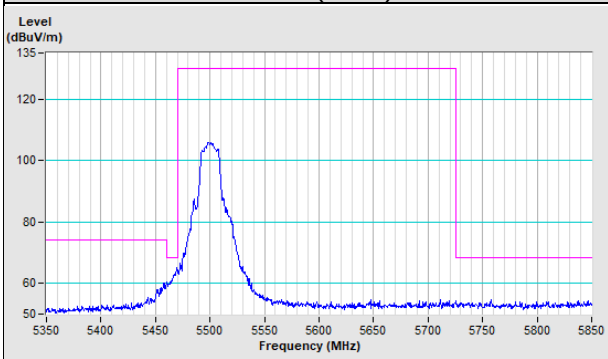
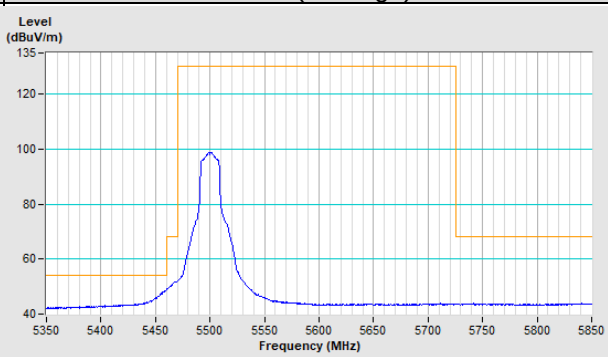
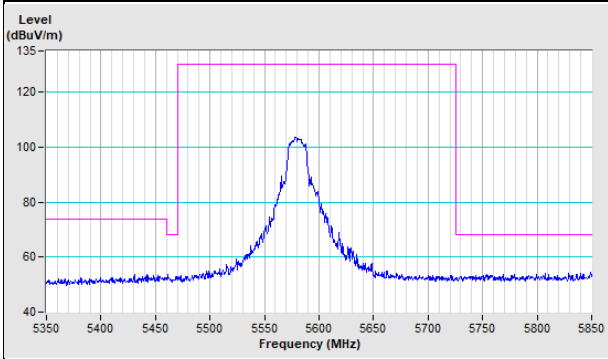
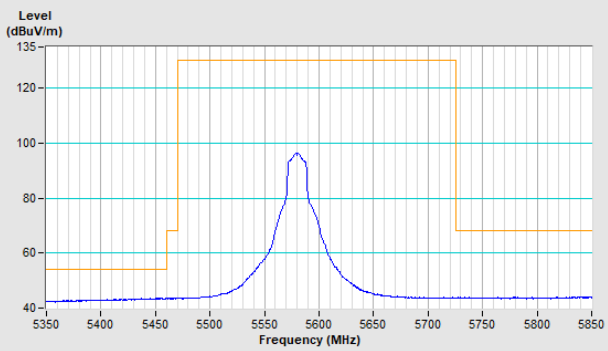
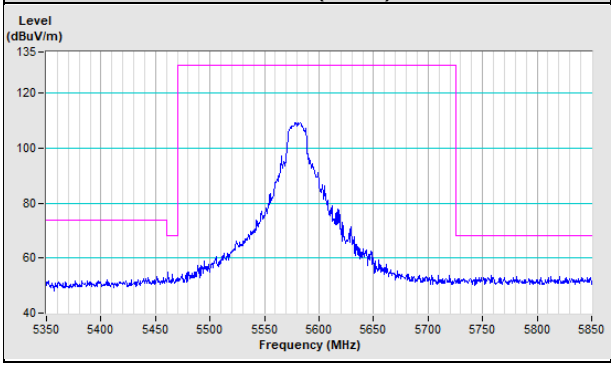
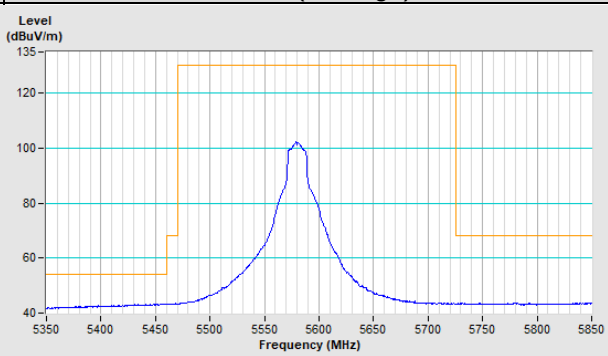


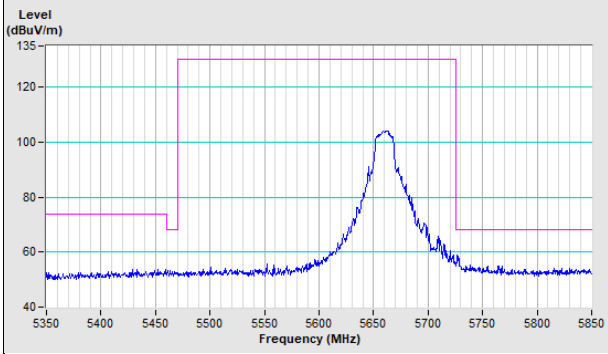
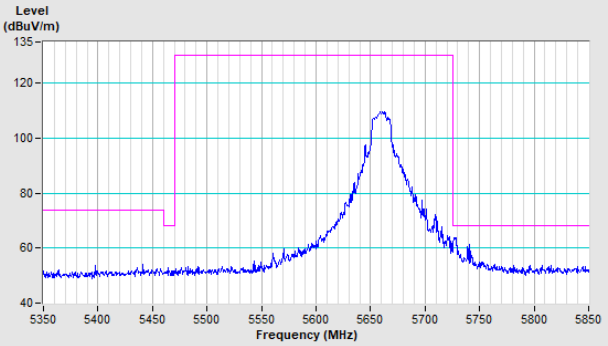
Vertical (Average)

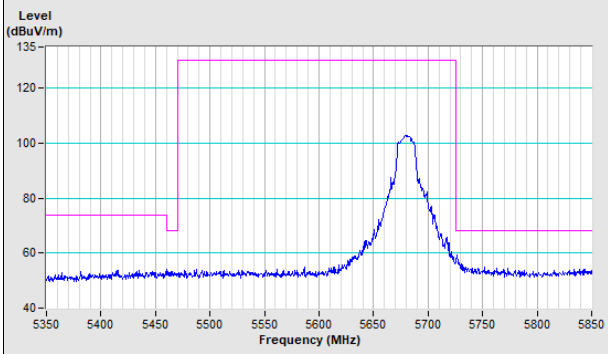
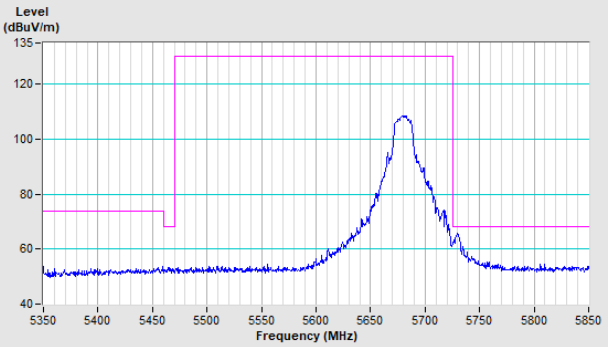


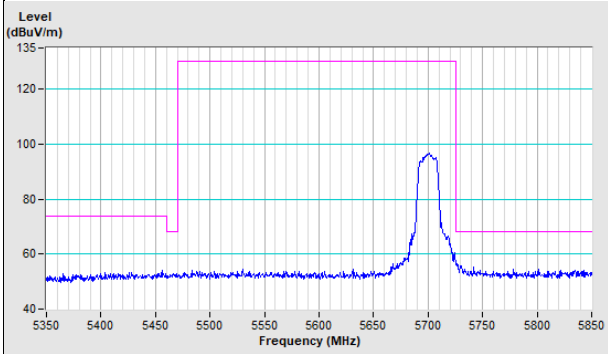
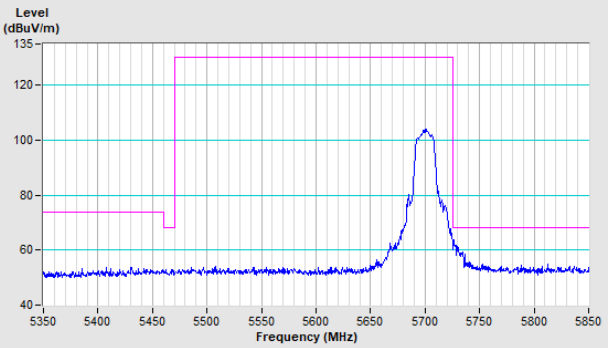
802.11a Channel 48	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 52	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

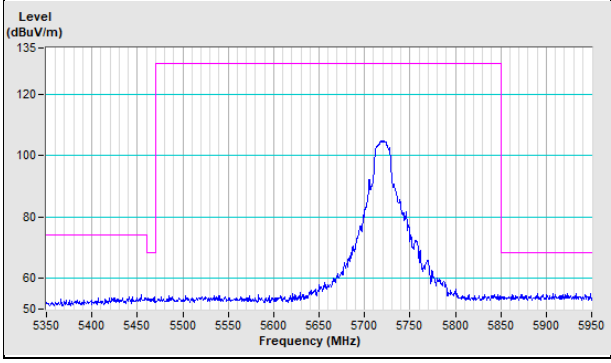
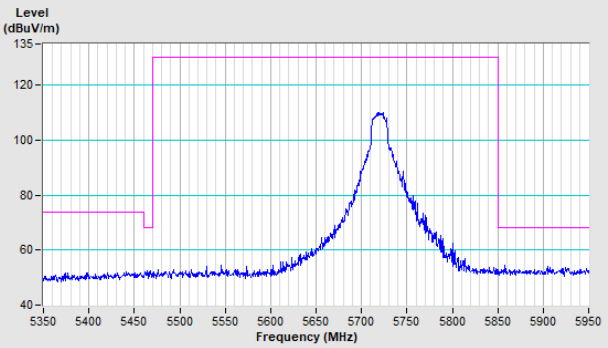
802.11a Channel 60	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

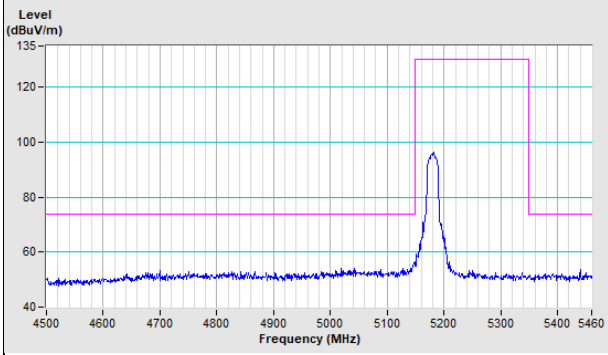
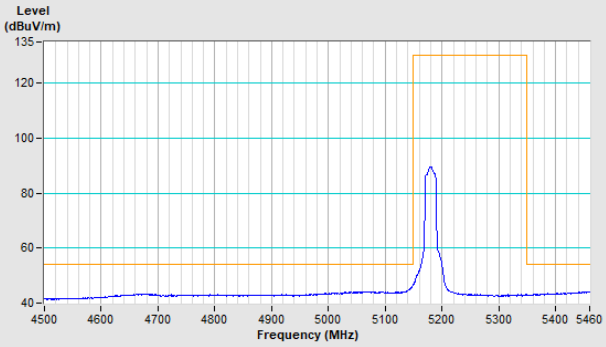
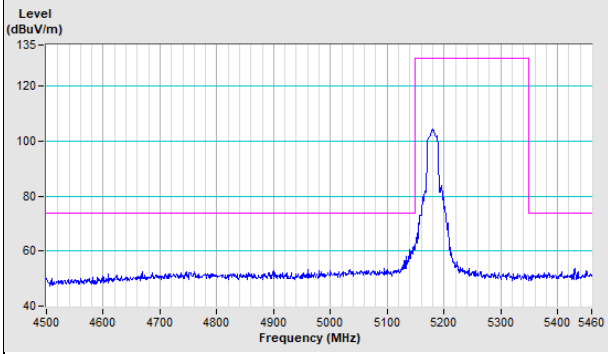
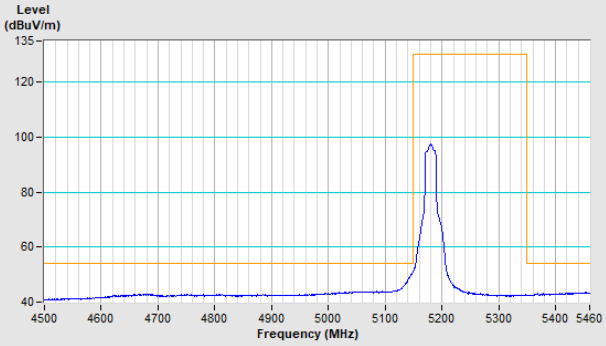
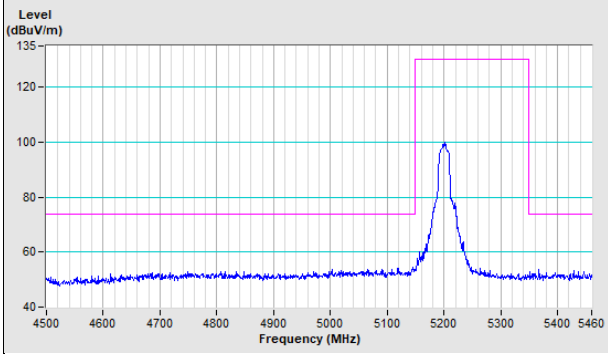
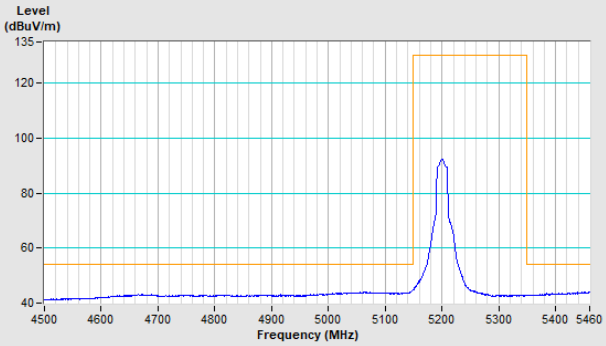
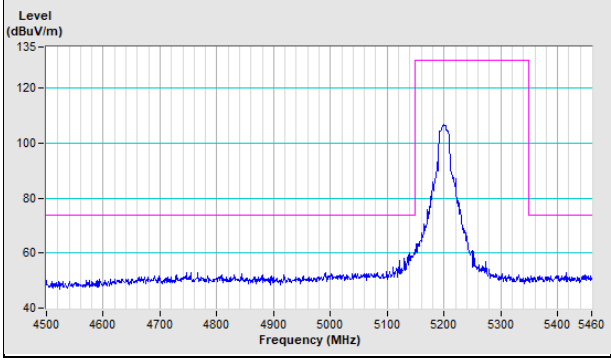
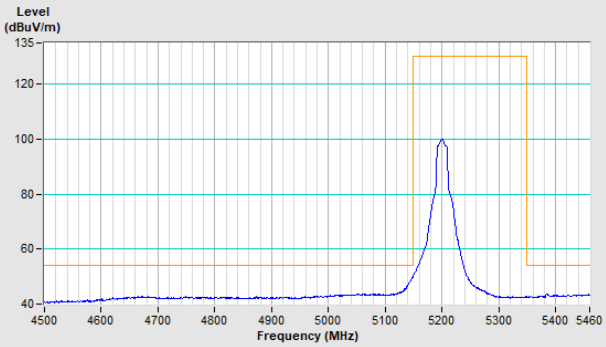
802.11a Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 116	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

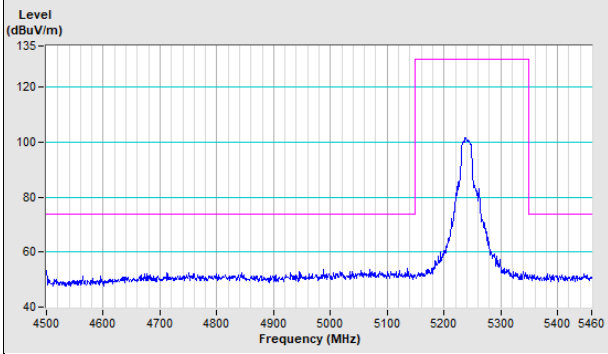
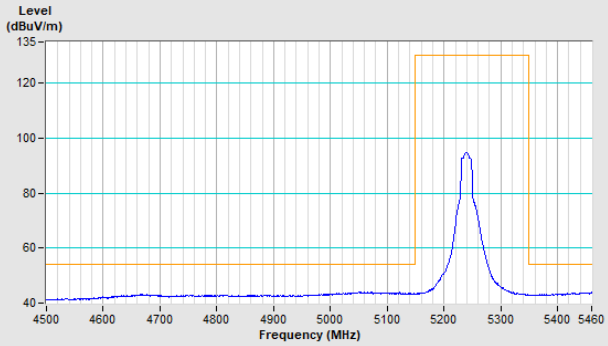
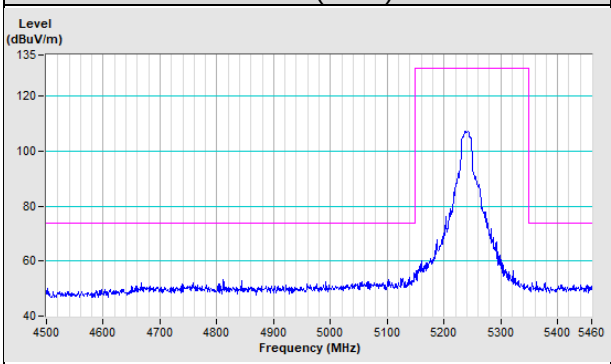
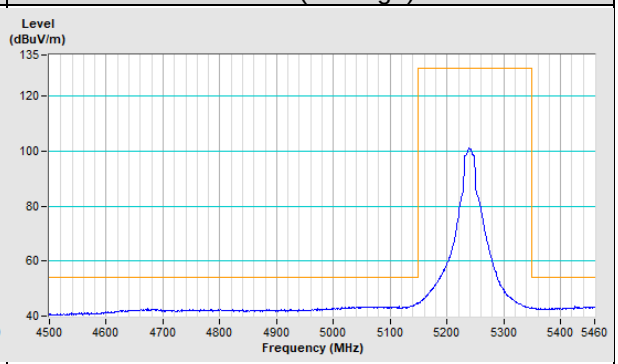
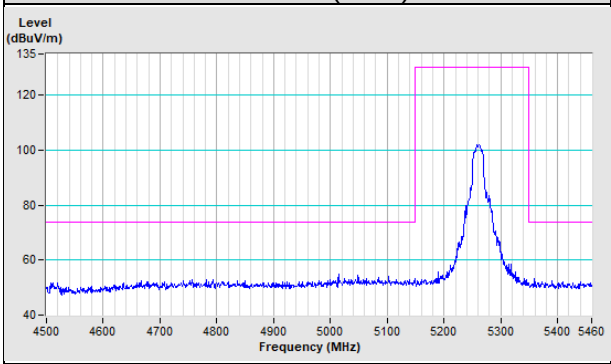
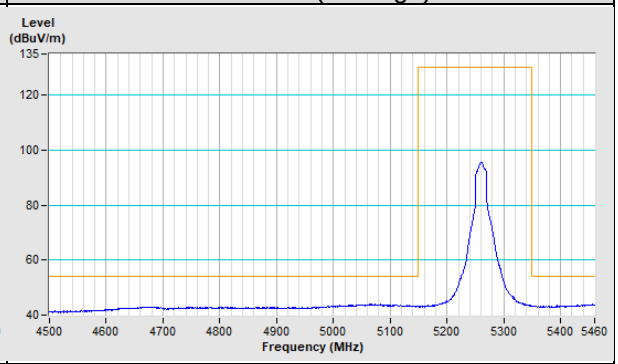
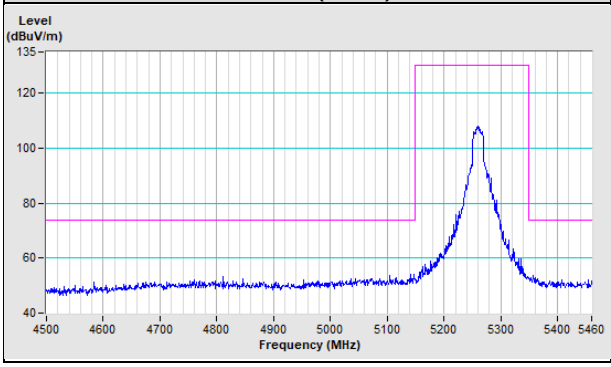
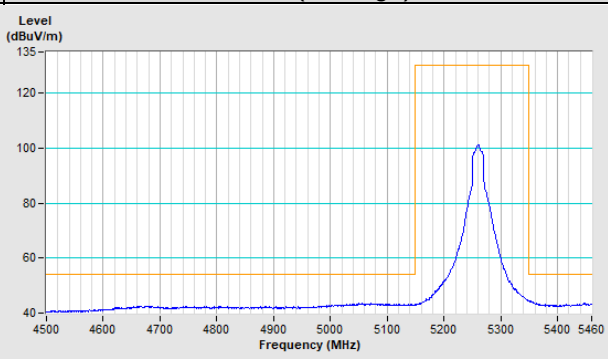
802.11a Channel 132	
Horizontal (Peak)	Vertical (Peak)
	

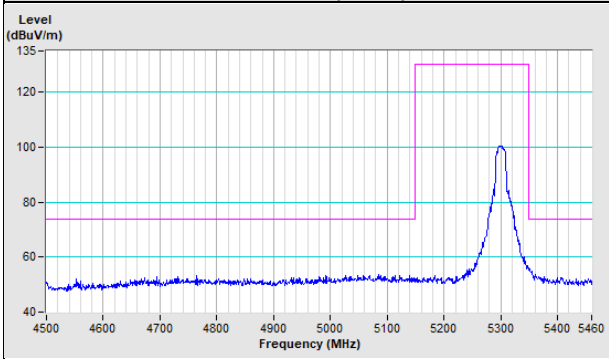
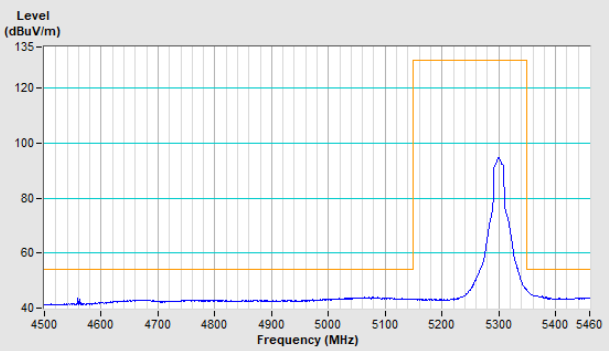
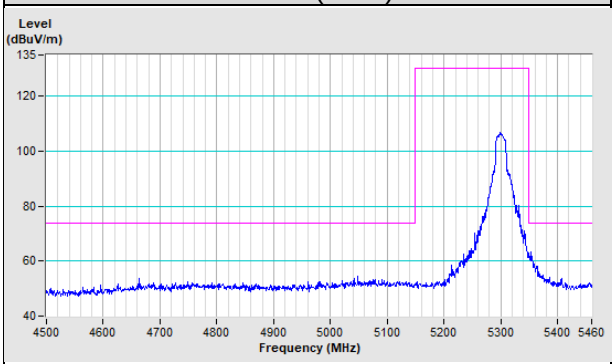
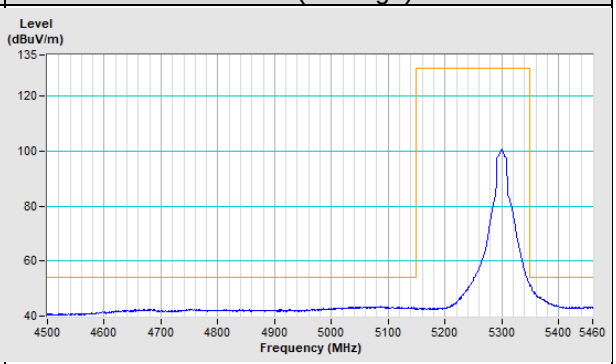
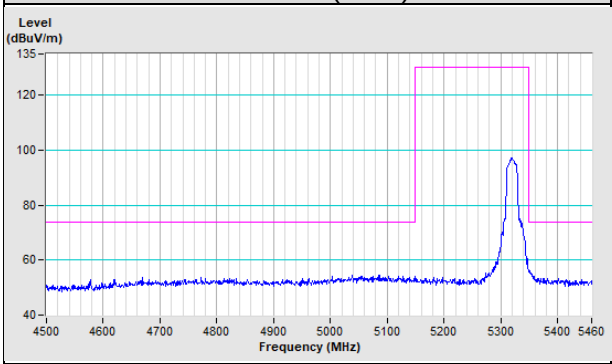
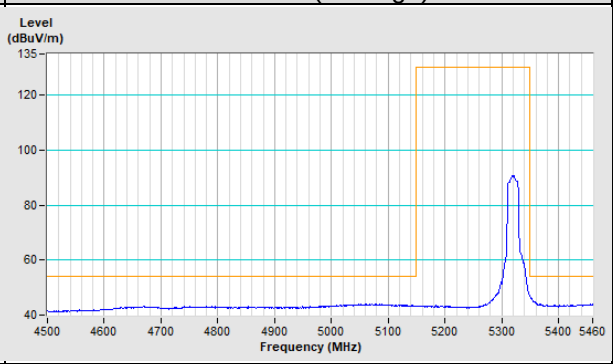
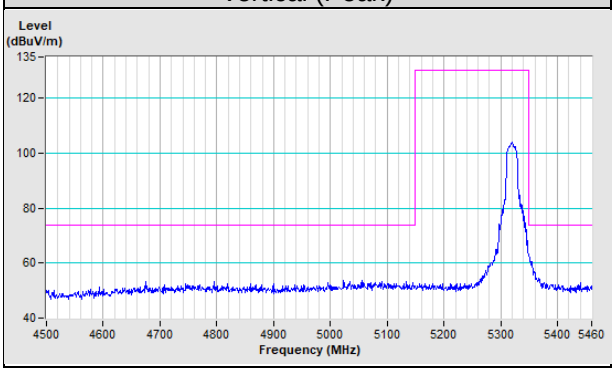
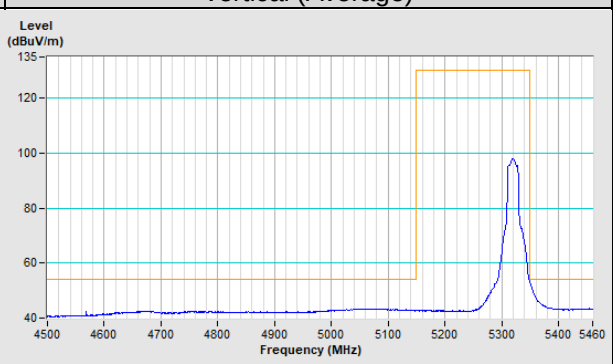
802.11a Channel 136	
Horizontal (Peak)	Vertical (Peak)
	

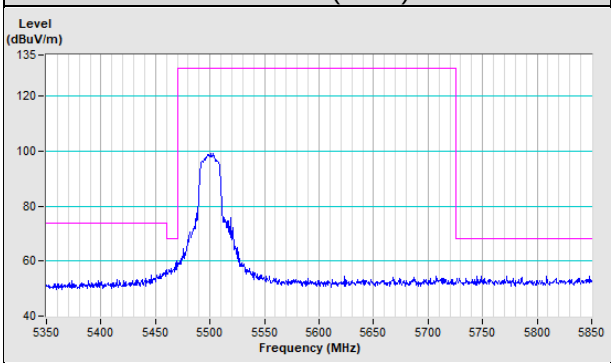
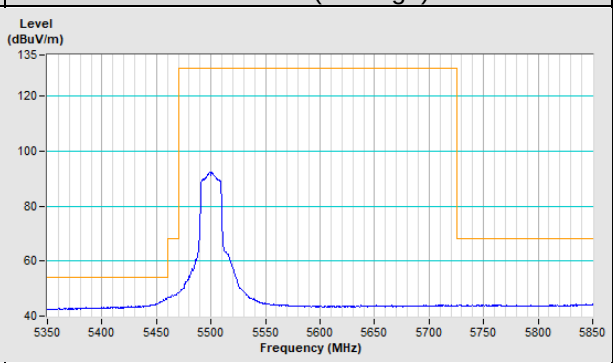
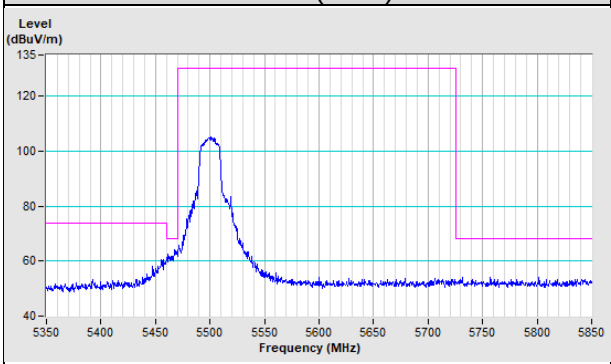
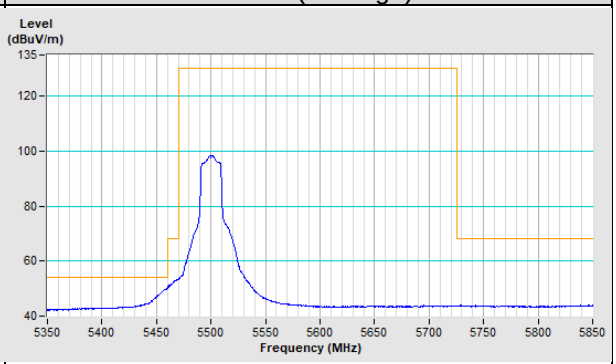
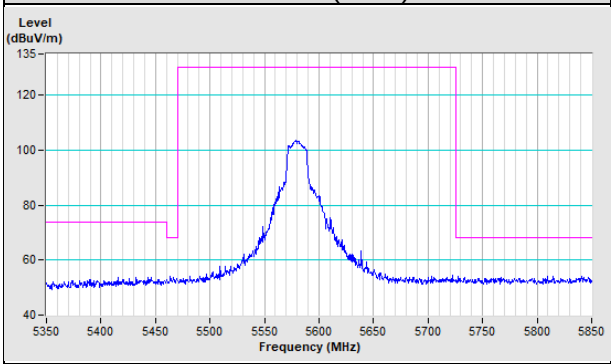
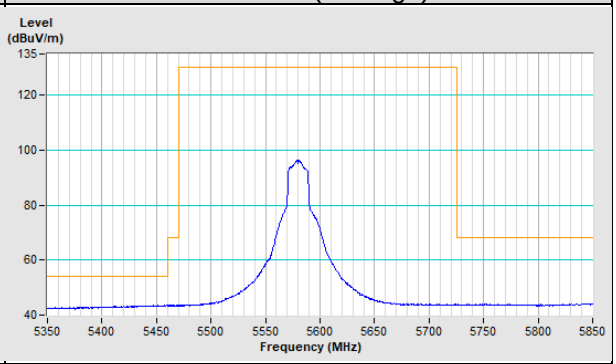
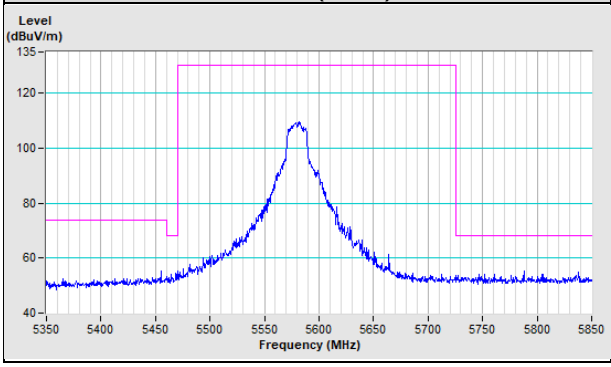
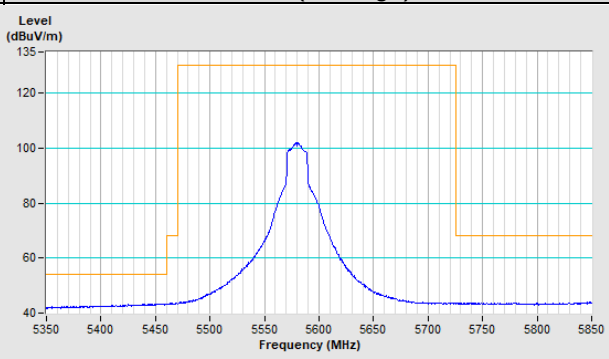
802.11a Channel 140	
Horizontal (Peak)	Vertical (Peak)
	

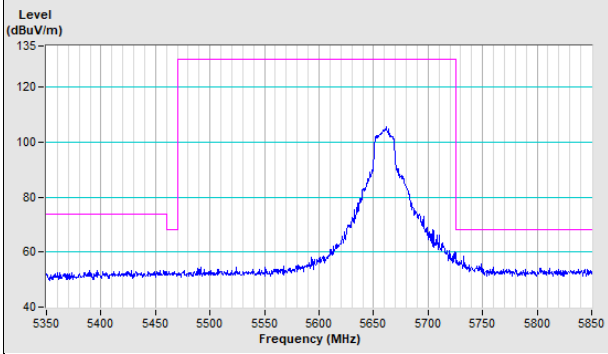
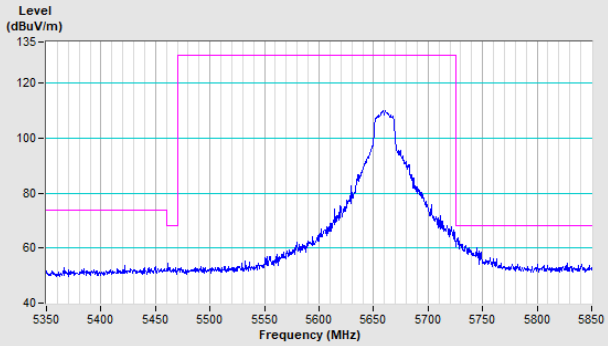
802.11a Channel 144	
Horizontal (Peak)	Vertical (Peak)
	

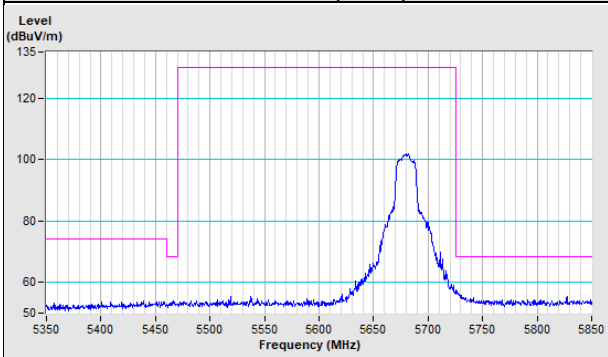
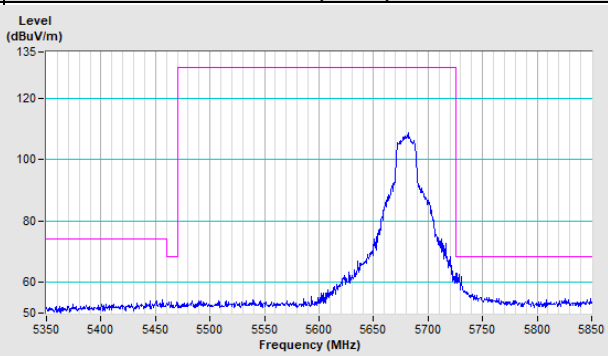
802.11ac (VHT20) Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT20) Channel 40	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

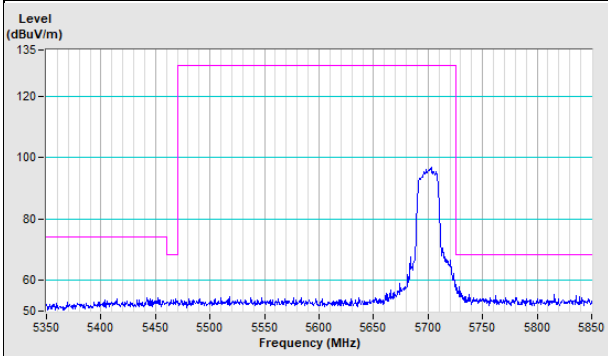
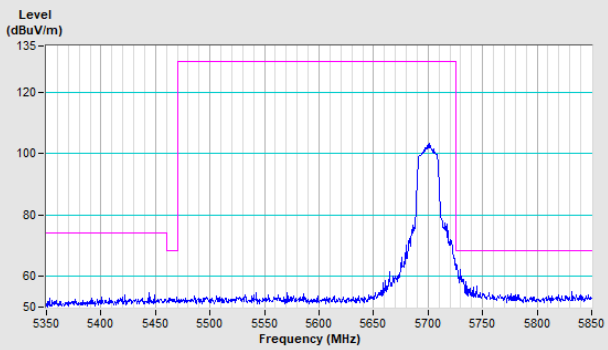
802.11ac (VHT20) Channel 48	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT20) Channel 52	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

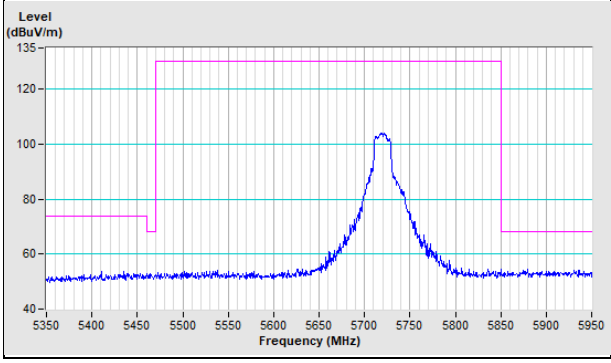
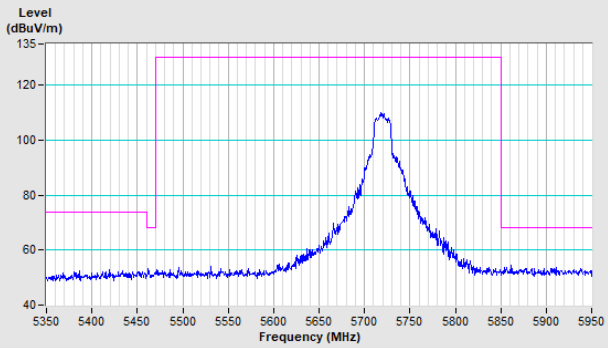
802.11ac (VHT20) Channel 60	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT20) Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

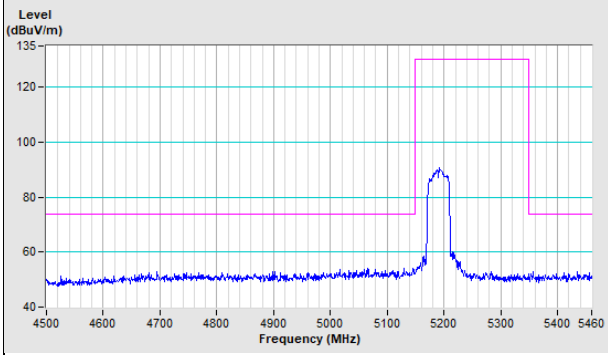
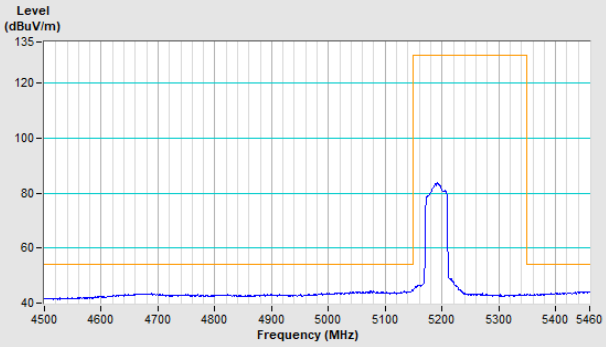
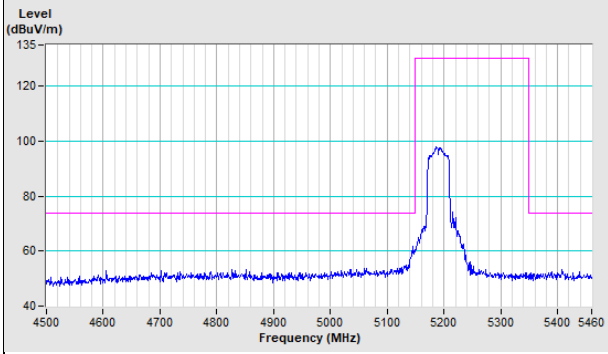
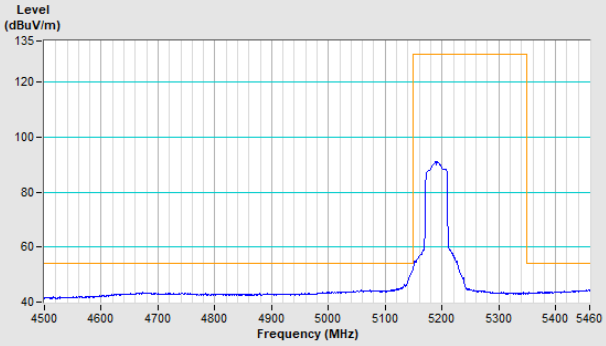
802.11ac (VHT20) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT20) Channel 116	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

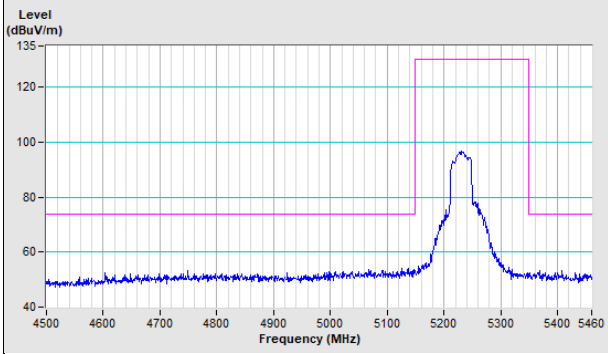
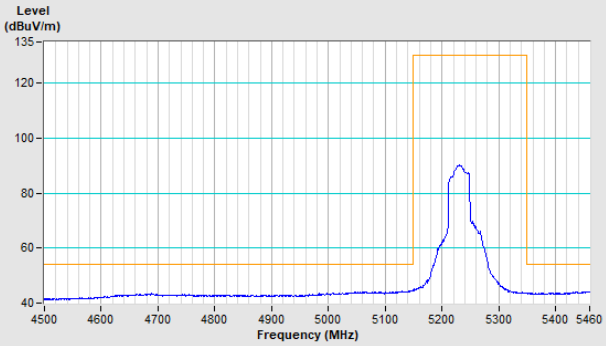
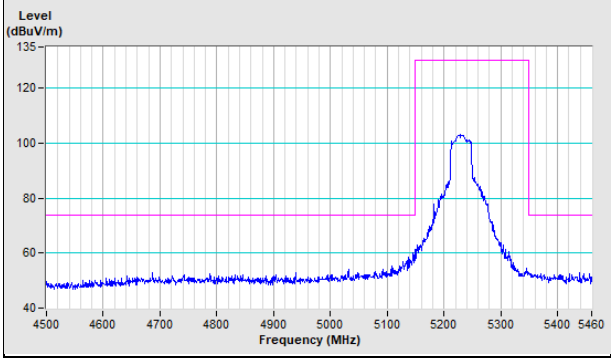
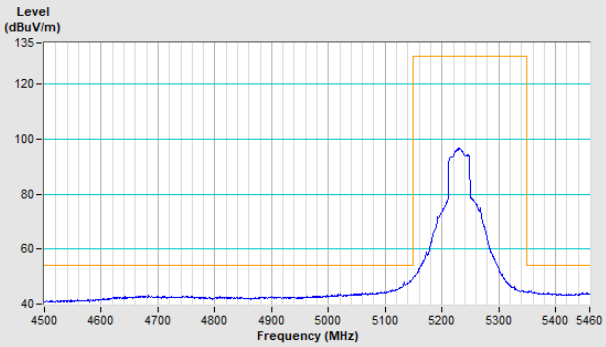
802.11ac (VHT20) Channel 132	
Horizontal (Peak)	Vertical (Peak)
	

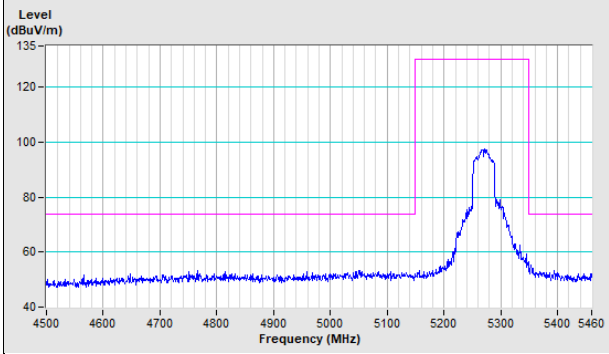
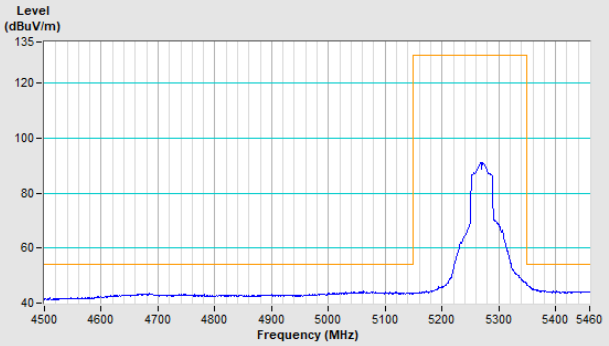
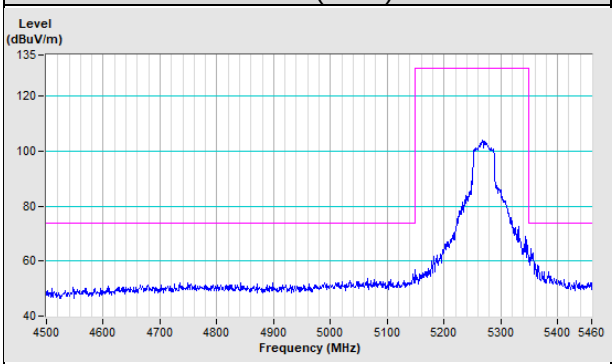
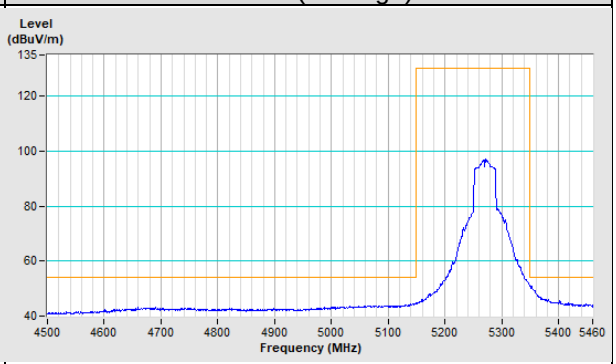
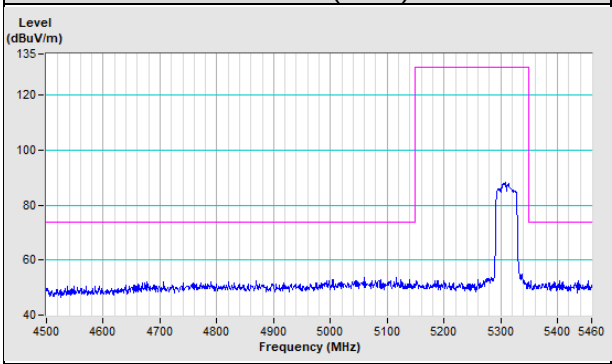
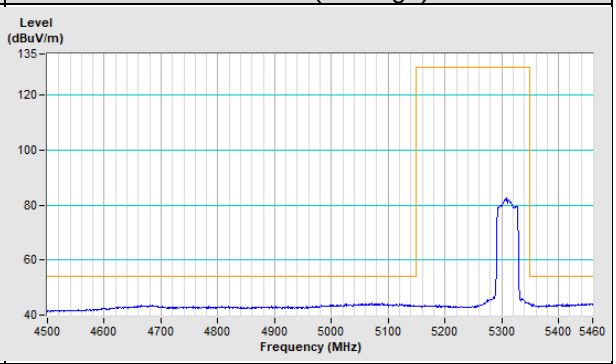
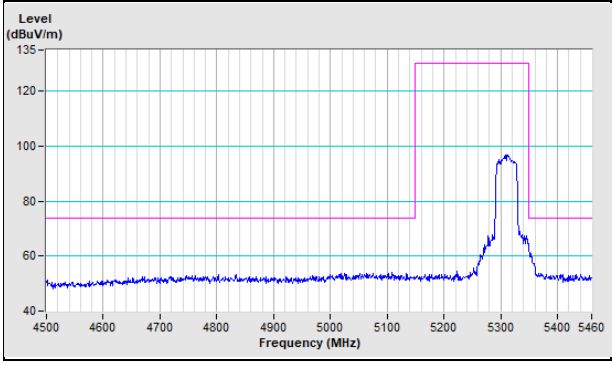
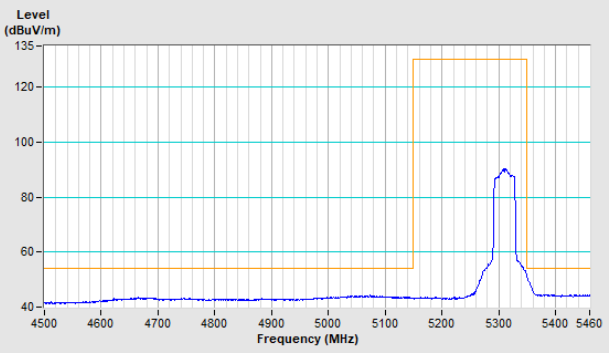
802.11ac (VHT20) Channel 136	
Horizontal (Peak)	Vertical (Peak)
	

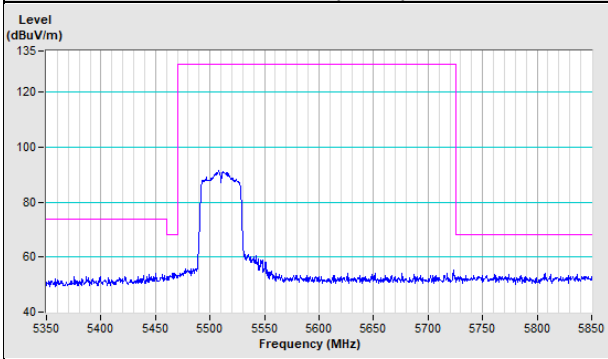
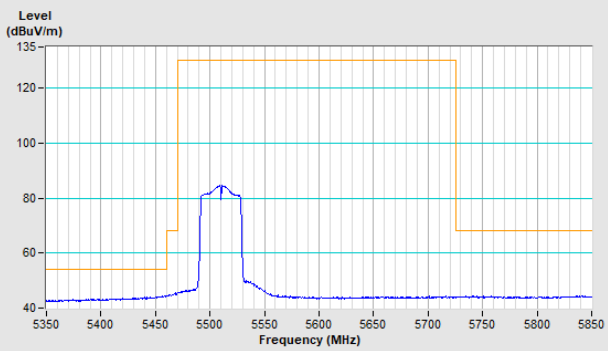
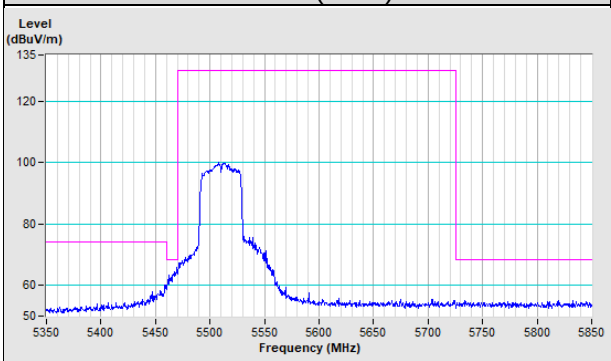
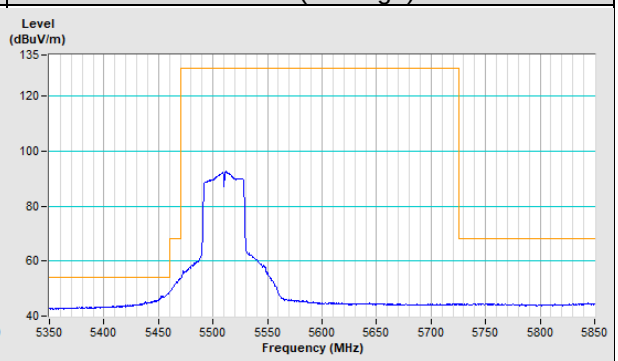
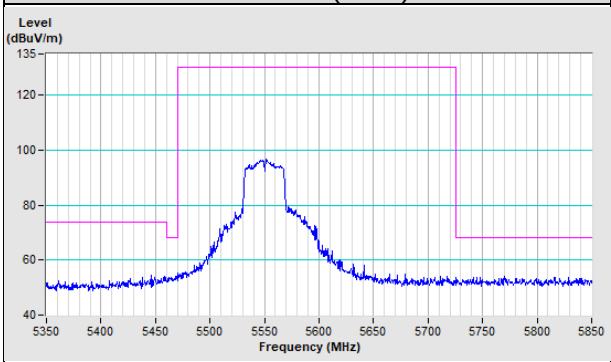
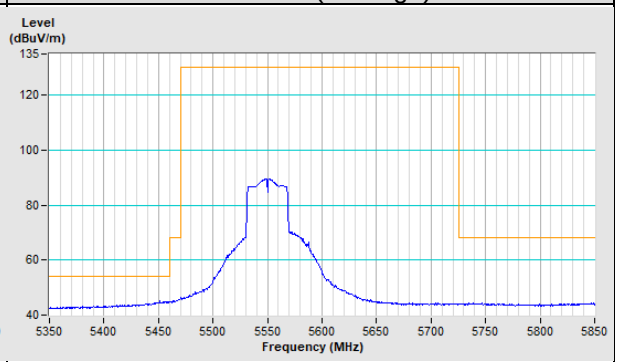
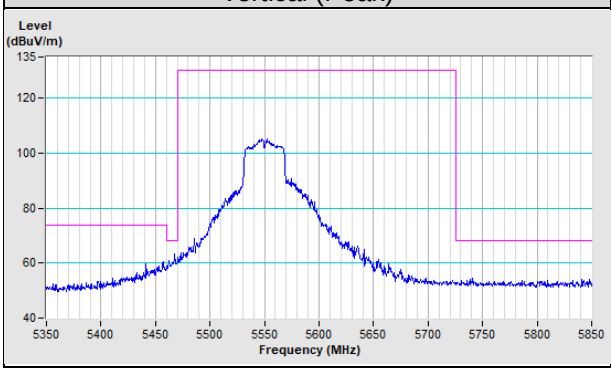
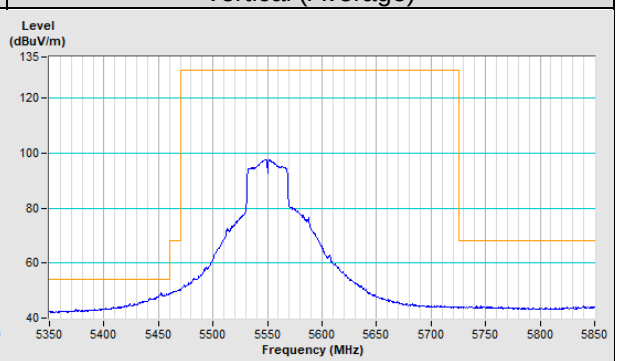
802.11ac (VHT20) Channel 140	
Horizontal (Peak)	Vertical (Peak)
	

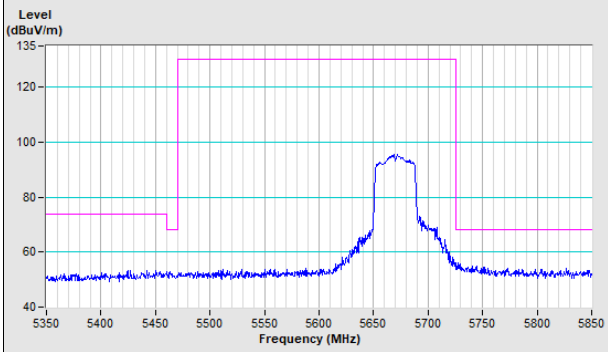
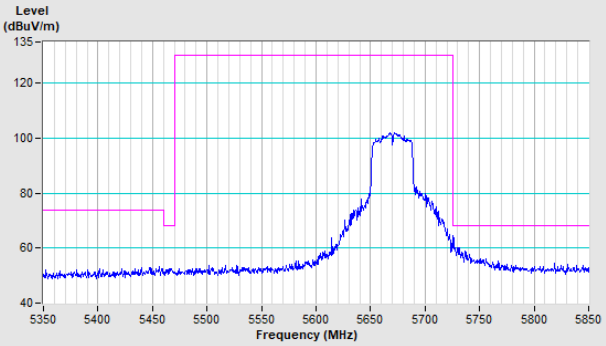
802.11ac (VHT20) Channel 144	
Horizontal (Peak)	Vertical (Peak)
	

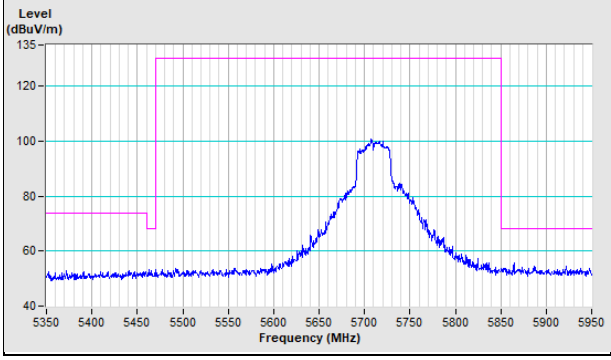
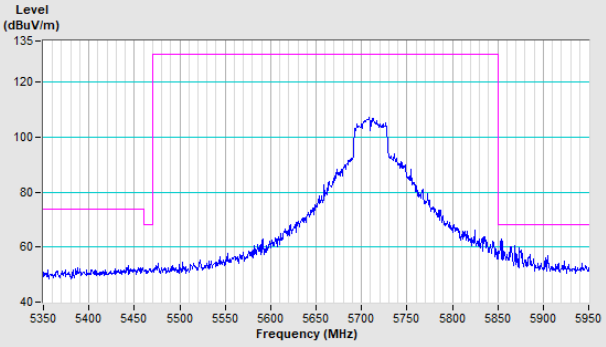
802.11ac (VHT40) Channel 38	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

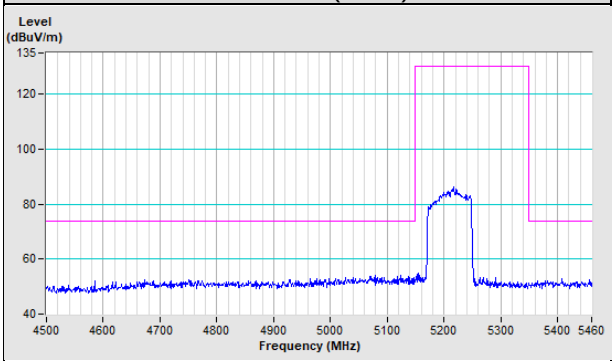
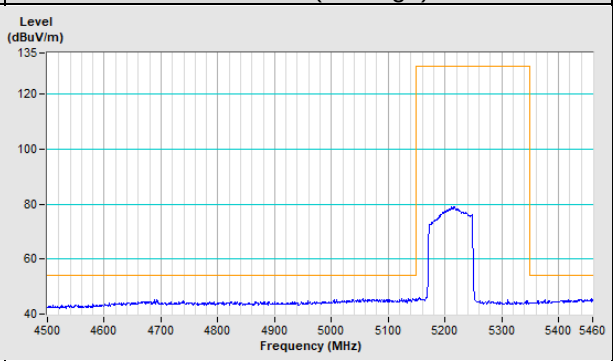
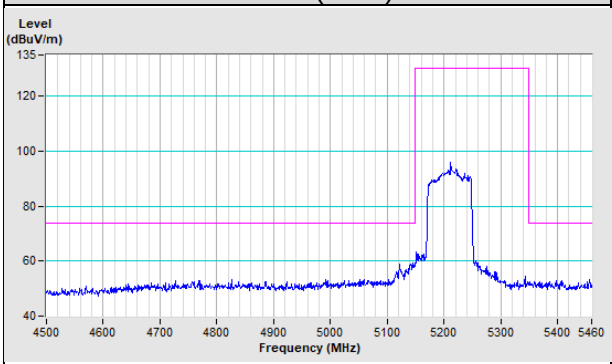
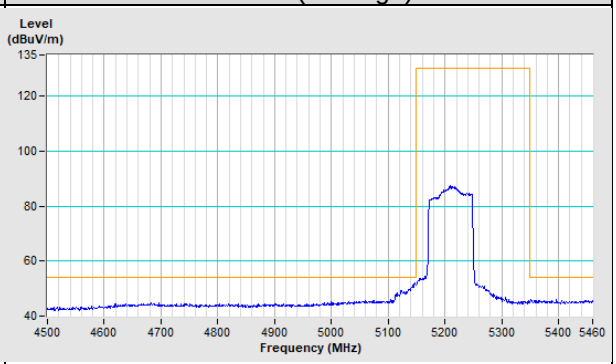
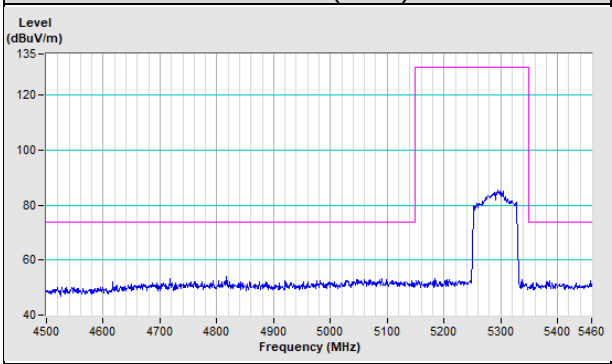
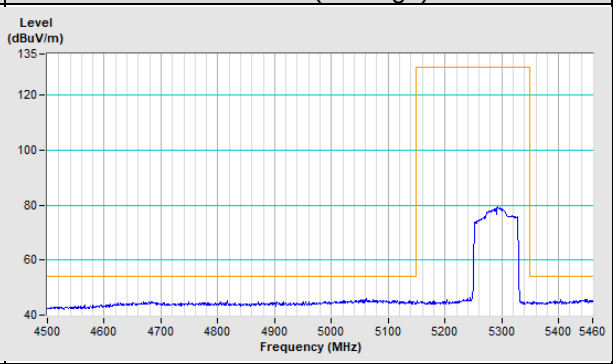
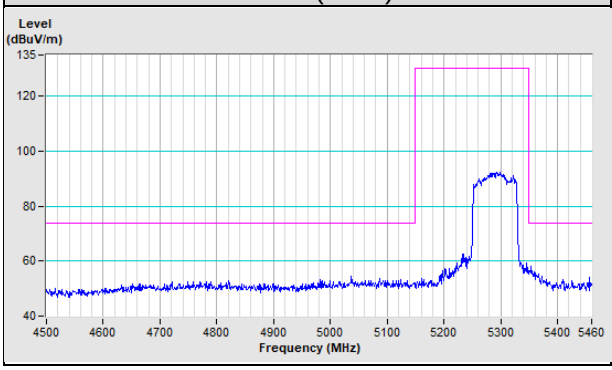
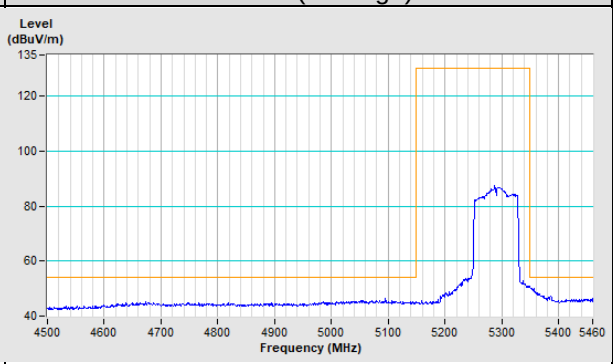
802.11ac (VHT40) Channel 46	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

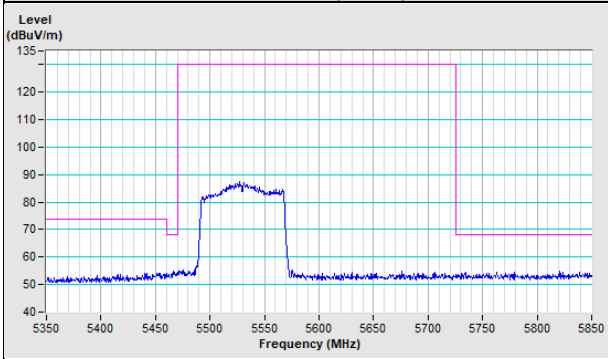
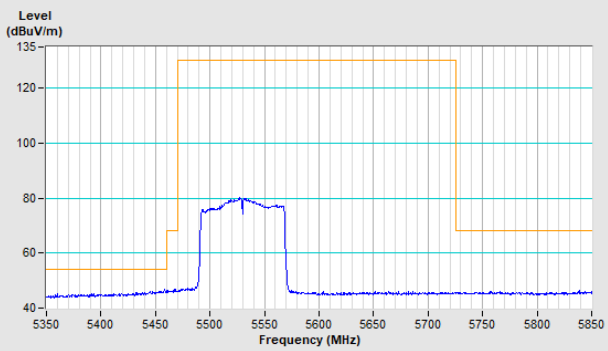
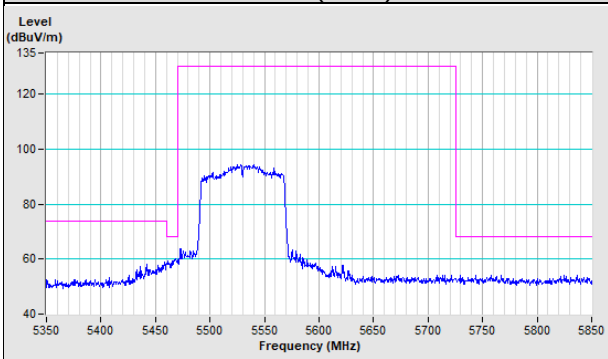
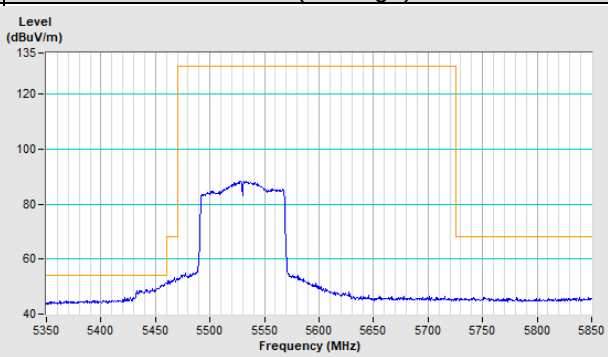
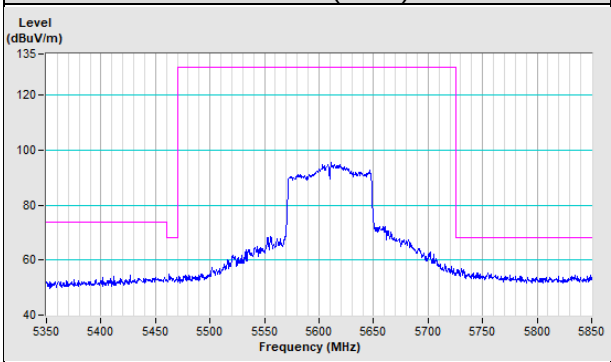
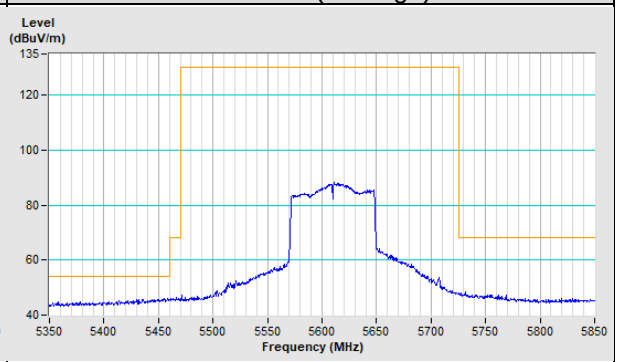
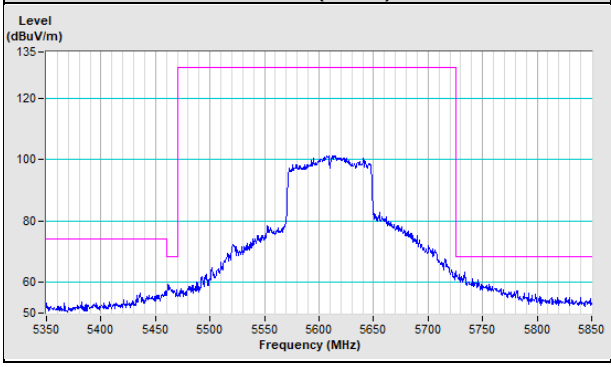
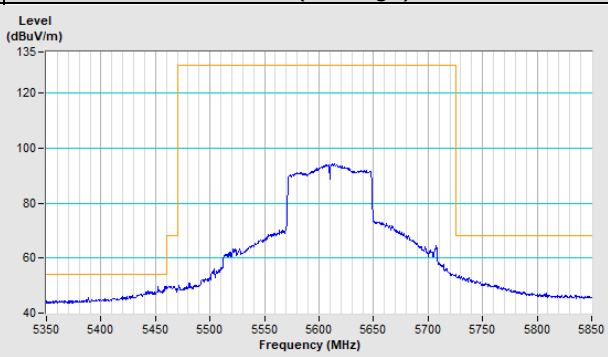
802.11ac (VHT40) Channel 54	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT40) Channel 62	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

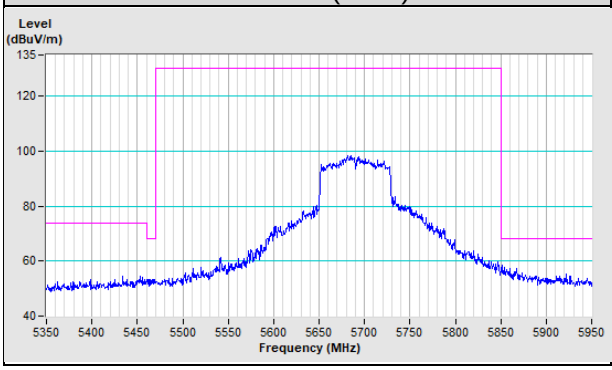
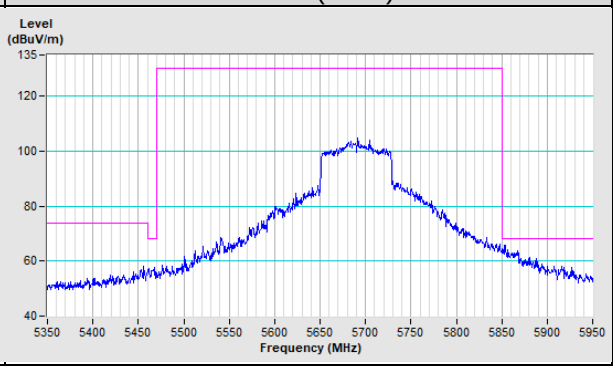
802.11ac (VHT40) Channel 102	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ac (VHT40) Channel 110	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ac (VHT40) Channel 134	
Horizontal (Peak)	Vertical (Peak)
	

802.11ac (VHT40) Channel 142	
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)
	

802.11ac (VHT80) Channel 138	
Horizontal (Peak)	Vertical (Peak)
	

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 according to ISO/IEC 17025.

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

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