

## Partial FCC Test Report

**Report No.:** RF200114C25-3

**FCC ID:** O57AX200NGW

**Test Model:** AX200NGW

**Received Date:** Jan. 14, 2020

**Test Date:** Jan. 26 ~ Mar. 13, 2020

**Issued Date:** Mar. 13, 2020

**Applicant:** Lenovo(Shanghai) Electronics Technology Co., Ltd.

**Address:** Section 304-305, Building No.4, #222, Meiyue Road, China(Shanghai) Pilot Free Trade Zone ,Shanghai 200131 , China

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

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

**Test Location:** No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City  
33383, Taiwan

**FCC Registration /  
Designation Number:** 788550 / TW0003



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### Release Control Record

Issue No.	Description	Date Issued
RF200114C25-3	Original Release	Mar. 13, 2020

## 1 Certificate of Conformity

**Product:** WLAN and BT , 2x2 Pcle M.2 2230 adapter card

**Brand:** Intel® Wi-Fi 6 AX200

**Test Model:** AX200NGW

**Sample Status:** Engineering Sample

**Applicant:** Lenovo(Shanghai) Electronics Technology Co., Ltd.

**Test Date:** Jan. 26 ~ Mar. 13, 2020

**Standards:** 47 CFR FCC Part 15, Subpart E (Section 15.407)  
ANSI C63.10:2013

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

**Prepared by :** Gina Liu , **Date:** Mar. 13, 2020  
Gina Liu / Specialist

**Approved by :** Dylan Chiou , **Date:** Mar. 13, 2020  
Dylan Chiou / Senior Project Engineer

## 2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
FCC Clause	Test Item	Result	Remarks
15.407(b)(6)	AC Power Conducted Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -5.49 dB at 0.53318 MHz.
15.407(b) (1/2/3/4(i/ii)/6)	Radiated Emissions & Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -5.1 dB at 11020 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	N/A	Refer to Note
15.407(e)	6 dB Bandwidth	N/A	Refer to Note
15.407(g)	Frequency Stability	N/A	Refer to Note
15.203	Antenna Requirement	Pass	Antenna connector is I-PEX not a standard connector.

\*For U-NII-3 band compliance with rule part 15.407(b)(4)(i), the OOB test plots were recorded in Annex A. Note:

1. This report is a partial report, only test item of Conducted Emission, Radiated Emissions and Maximum Peak Output Power were performed for this report. Other testing data please refer to Intel report no.: 181210-03.TR01, 181210-03.TR02, and 181210-03.TR03 for module (Brand: Intel® Wi-Fi 6 AX200 , Model: AX200NGW).
2. 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

<b>Product</b>	WLAN and BT , 2x2 Pcle M.2 2230 adapter card
<b>Brand</b>	<b>Intel® Wi-Fi 6 AX200</b>
<b>Test Model</b>	AX200NGW
<b>Status of EUT</b>	Engineering Sample
<b>Power Supply Rating</b>	3.3Vdc form host equipment
<b>Modulation Type</b>	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDMA
<b>Modulation Technology</b>	OFDM, OFDMA
<b>Transfer Rate</b>	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0 Mbps 802.11n: up to 300.0 Mbps 802.11ac: up to 1733.3 Mbps 802.11ax: up to 2402.0 Mbps
<b>Operating Frequency</b>	5180 ~ 5250 MHz, 5250 ~ 5320 MHz, 5500 ~ 5720 MHz, 5745 ~ 5825 MHz
<b>Number of Channel</b>	5180 ~ 5320 MHz: 8 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20) 4 for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40) 2 for 802.11ac (VHT80), 802.11ax (HE80) 1 for 802.11ac (VHT160), 802.11ax (HE160) 5500 ~ 5720 MHz: 12 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20) 6 for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40) 3 for 802.11ac (VHT80), 802.11ax (HE80) 1 for 802.11ac (VHT160), 802.11ax (HE160) 5745 ~ 5825 MHz: 5 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20) 2 for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40) 1 for 802.11ac (VHT80), 802.11ax (HE80)
<b>Output Power</b>	31.405 mW for 5180 ~ 5250 MHz 30.620 mW for 5260 ~ 5320 MHz 31.55 mW for 5500 ~ 5720 MHz 31.477 mW for 5745 ~ 5825 MHz
<b>Antenna Type</b>	Refer to Note as below
<b>Antenna Connector</b>	Refer to Note as below
<b>Accessory Device</b>	N/A
<b>Data Cable Supplied</b>	N/A

**Note:**

1. The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers.

Modulation Mode	Tx Function
802.11a	1TX
802.11n (HT20)	2TX
802.11n (HT40)	2TX
802.11ac (VHT20)	2TX
802.11ac (VHT40)	2TX
802.11ax (HE20)	2TX
802.11ax (HE40)	2TX
802.11ac (VHT80)	2TX
802.11ax (HE80)	2TX
802.11ac (VHT160)	2TX
802.11ax (HE160)	2TX

\* The modulation and bandwidth are similar for 802.11n mode for HT20 / HT40 and 802.11ac mode for VHT20 / VHT40 / VHT80 / VHT160 and 802.11ax mode for HE20 / HE40 / HE80 / HE160, therefore investigated worst case to representative mode in test report. (Final test mode refer section 3.2.1)

2. The EUT is authorized for use in specific End-product. Please refer to below table for more details.

Product	Brand	Model	Description
Notebook Computer	Lenovo	IdeaPad 5 14ARE05*****	All models are electrically identical, different models are for marketing purpose.
		81YM*****	

Note: \*=0-9,A-Z,a-z,"-" or blank, for marketing use only, with no impact on RF compliance of the product.

3. The EUT contains two SKU listed as below.

SKU	Description
1	Metal Case SKU
2	Plastic Case SKU

4. The antenna information is listed as below.

Antenna Type	SKU	Manufacturer	Parts Number	Antenna Gain (dBi)				Connector
				BT/WLAN 2.4GHz	WLAN 5.15-5.35 GHz	WLAN 5.47-5.725 GHz	WLAN 5.725-5.85 GHz	
PIFA	Metal	YAGEO Corporation	Main Antenna: ANTA0LC13691WLAN1 (DC33002E100)	0.32	-0.56	-1.08	-0.33	I-PEX
			Aux. Antenna: ANTA0LC13691WLAN2 (DC33002E110)	0.11	-2.98	-0.44	1.07	
	Plastic	YAGEO Corporation	Main Antenna: ANTA0LC13691WLAN3 (DC33002E120)	0.46	0.06	-0.67	0.52	
			Aux. Antenna: ANTA0LC13691WLAN4 (DC33002E130)	0.29	-2.34	0.1	1.41	
	Metal	High-Tek Electronics Co., Ltd	Main Antenna: 0ACCN019005N (DC33002E000)	-0.76	-1.70	-0.82	-0.82	
			Aux. Antenna: 0ACCN019006N (DC33002E010)	-2.97	-1.92	0.39	1.64	
	Plastic	High-Tek Electronics Co., Ltd	Main Antenna: 0ACCN019007N (DC33002E020)	0.61	0.86	0.35	0.99	
			Aux. Antenna: 0ACCN019008N (DC33002E030)	0.60	-1.77	0.74	1.84	

\* Only the antenna which has the maximum gain was chosen as a representative for the final test.

5. The following accessories were for the End-product.

Product	Brand	Model	Description
Adapter 1	Lenovo	ADLX65YCC3A	I/P: 100-240 Vac, 50-60 Hz, 1.8 A O/P: 20 Vdc, 3.25 A
Adapter 2	Lenovo	ADLX65YAC3D	I/P: 100-240 Vac, 50-60 Hz, 1.8 A O/P: 20 Vdc, 3.25 A
Adapter 3	Lenovo	ADLX65NCC3A	I/P: 100-240 Vac, 50-60 Hz, 1.8 A O/P: 20 Vdc, 3.25 A
Battery 1	Lenovo	L19M3PF4	11.52 Vdc, 4840 mAh, 55 Wh
Battery 2	Lenovo	L19M3PF3	11.1 Vdc, 3950 mAh, 43.5 Wh

6. 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 ~ 5320 MHz

8 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	52	5260
40	5200	56	5280
44	5220	60	5300
48	5240	64	5320

4 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	54	5270
46	5230	62	5310

2 channel is provided for 802.11ac (VHT80), 802.11ax (HE80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	58	5290

1 channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

Channel	Frequency (MHz)
50	5250

### For 5500 ~ 5720 MHz

12 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

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 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

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		

1 channel is provided for 802.11ac (VHT80), 802.11ax (HE80):

Channel	Frequency (MHz)
114	5570

### For 5745 ~ 5825 MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

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

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

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

1 channel is provided for 802.11ac (VHT80), 802.11ax (HE80):

Channel	Frequency (MHz)
155	5775

### 3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable To				Description
	RE $\geq$ 1G	RE $<$ 1G	PLC	Power	
A	√	√	√	√	SKU 1 + Battery 1
B	√	√	-	-	SKU 2 + Battery 2

Where **RE $\geq$ 1G**: Radiated Emission above 1 GHz      **RE $<$ 1G**: Radiated Emission below 1 GHz  
**PLC**: Power Line Conducted Emission      **Power**: Maximum Output Power Measurement

**Note:** “-” means no effect.

**Note:** For radiated emission (below 1GHz) and power line conducted emission test items chosen the worst maximum fundamental emission level channel

#### **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	Modulation Type	Data Rate (Mbps)
A, B	5180-5320	802.11a	36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	6.0
		802.11ax (HE20)	36 to 64	36, 40, 48, 52, 60, 64	OFDMA	BPSK	MCS0
		802.11ax (HE40)	38 to 62	38, 46, 54, 62	OFDMA	BPSK	MCS0
		802.11ax (HE80)	42 to 58	42, 58	OFDMA	BPSK	MCS0
		802.11ax (HE160)	50	50	OFDMA	BPSK	MCS0
	5500-5720	802.11a	100 to 140	100, 116, 140	OFDM	BPSK	6.0
		802.11ax (HE20)	100 to 140	100, 116, 140	OFDMA	BPSK	MCS0
		802.11ax (HE40)	102 to 134	102, 110, 134	OFDMA	BPSK	MCS0
		802.11ax (HE80)	106 to 122	106, 122	OFDMA	BPSK	MCS0
		802.11ax (HE160)	114	114	OFDMA	BPSK	MCS0
	5745-5825	802.11a	149 to 165	149, 157, 165	OFDM	BPSK	6.0
		802.11ax (HE20)	149 to 165	149, 157, 165	OFDMA	BPSK	MCS0
		802.11ax (HE40)	151 to 159	151, 159	OFDMA	BPSK	MCS0
		802.11ax (HE80)	155	155	OFDMA	BPSK	MCS0

#### **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	Modulation Type	Data Rate (Mbps)
A	5745-5825	802.11a	149 to 165	157	OFDM	BPSK	6.0
B	5745-5825	802.11ax (HE20)	149 to 165	157	OFDMA	BPSK	MCS0

**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	Modulation Type	Data Rate (Mbps)
A, B	5745-5825	802.11a	149 to 165	157	OFDM	BPSK	6.0

**Maximum Output Power 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	Modulation Type	Data Rate (Mbps)
A	5180-5320	802.11a	36 to 64	36, 40, 44, 48, 52, 56, 60, 64	OFDM	BPSK	6.0
		802.11n (HT20)	36 to 64	36, 40, 44, 48, 52, 56, 60, 64	OFDM	BPSK	6.5
		802.11n (HT40)	38 to 62	38, 46, 54, 62	OFDM	BPSK	13.5
		802.11ac (VHT20)	36 to 64	36, 40, 44, 48, 52, 56, 60, 64	OFDM	BPSK	7.2
		802.11ac (VHT40)	38 to 62	38, 46, 54, 62	OFDM	BPSK	15.0
		802.11ac (VHT80)	42 to 58	42, 58	OFDM	BPSK	29.3
		802.11ac (HE160)	50	50	OFDM	BPSK	58.5
		802.11ax (HE20)	36 to 64	36, 40, 44, 48, 52, 56, 60, 64	OFDMA	BPSK	MCS0
		802.11ax (HE40)	38 to 62	38, 46, 54, 62	OFDMA	BPSK	MCS0
		802.11ax (HE80)	42 to 58	42, 58	OFDMA	BPSK	MCS0
802.11ax (HE160)	50	50	OFDMA	BPSK	MCS0		

EUT Configure Mode	Frequency Band (MHz)	Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
A	5500-5720	802.11a	100 to 144	100, 116, 120, 124, 132, 140, 144	OFDM	BPSK	6.0
		802.11n (HT20)	100 to 144	100, 116, 120, 124, 132, 140, 144	OFDM	BPSK	6.5
		802.11n (HT40)	102 to 142	102, 110, 118, 126, 134, 142	OFDM	BPSK	13.5
		802.11ac (VHT20)	100 to 144	100, 116, 120, 124, 132, 140, 144	OFDM	BPSK	7.2
		802.11ac (VHT40)	102 to 142	102, 110, 118, 126, 134, 142	OFDM	BPSK	15.0
		802.11ac (VHT80)	106 to 122	106, 122	OFDM	BPSK	29.3
		802.11ac (VHT160)	114	114	OFDM	BPSK	58.5
		802.11ax (HE20)	100 to 144	100, 116, 120, 124, 132, 140, 144	OFDMA	BPSK	MCS0
		802.11ax (HE40)	102 to 142	102, 110, 118, 126, 134, 142	OFDMA	BPSK	MCS0
		802.11ax (HE80)	106 to 122	106, 122	OFDMA	BPSK	MCS0
	802.11ax (HE160)	114	114	OFDMA	BPSK	MCS0	
	5745-5825	802.11a	149 to 165	149, 153, 157, 161, 165	OFDM	BPSK	6.0
		802.11n (HT20)	149 to 165	149, 153, 157, 161, 165	OFDM	BPSK	6.5
		802.11n (HT40)	151 to 159	151, 159	OFDM	BPSK	13.5
		802.11ac (VHT20)	149 to 165	149, 153, 157, 161, 165	OFDM	BPSK	7.2
		802.11ac (VHT40)	151 to 159	151, 159	OFDM	BPSK	15.0
		802.11ac (VHT80)	155	155	OFDM	BPSK	29.3
		802.11ax (HE20)	149 to 165	149, 153, 157, 161, 165	OFDMA	BPSK	MCS0
802.11ax (HE40)		151 to 159	151, 159	OFDMA	BPSK	MCS0	
802.11ax (HE80)	155	155	OFDMA	BPSK	MCS0		

**Test Condition:**

Applicable To	Environmental Conditions	Input Power	Tested by
RE≥1G	25 deg. C, 65 % RH	120 Vac, 60 Hz	Adair Peng, Titan Hsu
RE<1G	25 deg. C, 65 % RH	120 Vac, 60 Hz	Titan Hsu
PLC	25 deg. C, 65 % RH	120 Vac, 60 Hz	Titan Hsu
Power	25 deg. C, 65 % RH	120 Vac, 60 Hz	Titan Hsu

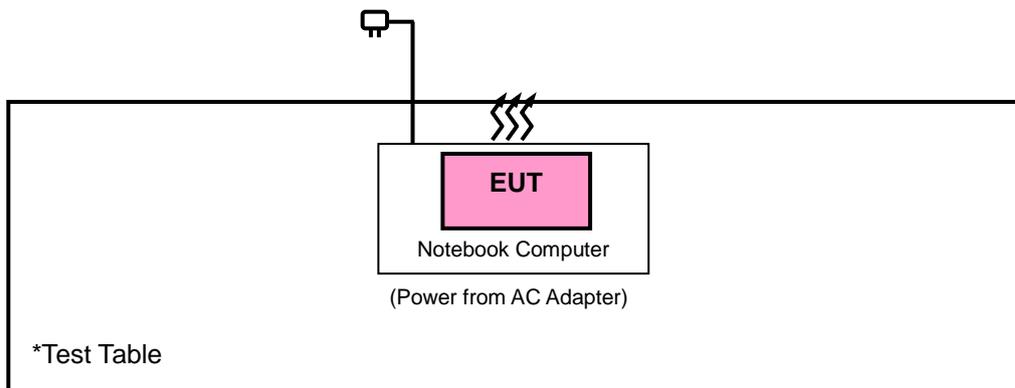
### 3.3 Description of Support Units

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

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
1.	Notebook Computer	Lenovo	IdeaPad 5 14ARE05***** 81YM*****	NA	NA	-
2.	Adapter	Lenovo	ADLX65NCC3A	NA	NA	-

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

#### 3.3.1 Configuration of System under Test



### 3.4 General Description of Applied Standards and References

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

#### Test Standard:

##### FCC Part 15, Subpart E (15.407)

ANSI C63.10-2013

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

#### References Test Guidance:

##### KDB 789033 D02 General UNII Test Procedures New Rules v02r01

##### KDB 662911 D01 Multiple Transmitter Output v02r01

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

## 4 Test Types and Results

### 4.1 Radiated Emission and Bandedge Measurement

#### 4.1.1 Limits of Radiated Emission and Bandedge Measurement

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

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

**Note:**

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 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.

## 4.1.2 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	<input checked="" type="checkbox"/> 15.407(b)(4)(i)	PK:-27 (dBm/MHz) <sup>*1</sup> PK:10 (dBm/MHz) <sup>*2</sup> PK:15.6 (dBm/MHz) <sup>*3</sup> PK:27 (dBm/MHz) <sup>*4</sup>	PK: 68.2 (dBµV/m) <sup>*1</sup> PK:105.2 (dBµV/m) <sup>*2</sup> PK: 110.8 (dBµV/m) <sup>*3</sup> PK:122.2 (dBµV/m) <sup>*4</sup>
	<input type="checkbox"/> 15.407(b)(4)(ii)	Emission limits in section 15.247(d)	

<sup>\*1</sup> beyond 75 MHz or more above of the band edge.  
<sup>\*2</sup> below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.  
<sup>\*3</sup> below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.  
<sup>\*4</sup> 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:

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

## 4.1.3 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver ROHDE & SCHWARZ	ESIB7	100187	May 30, 2019	May 29, 2020
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Jun. 10, 2019	Jun. 09, 2020
BILOG Antenna SCHWARZBECK	VULB9168	9168-171	Nov. 11, 2019	Nov. 10, 2020
HORN Antenna SCHWARZBECK	9120D	209	Nov. 24, 2019	Nov. 23, 2020
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Nov. 24, 2019	Nov. 23, 2020
Loop Antenna TESEQ	HLA 6121	45745	Jul. 01, 2019	Jun. 30, 2020
Preamplifier Agilent (Below 1GHz)	8447D	2944A10738	Aug. 20, 2019	Aug. 19, 2020
Preamplifier Agilent (Above 1GHz)	8449B	3008A02465	Mar. 27, 2019	Mar. 26, 2020
Preamplifier EMC	EMC184045B	980175	Sep. 05, 2019	Sep. 04, 2020
RF Coaxial Cable WOKEN With 5dB PAD	8D-FB	Cable-CH3-01	Aug. 20, 2019	Aug. 19, 2020
RF signal cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH3-03 (223653/4)	Aug. 20, 2019	Aug. 19, 2020
RF signal cable HUBER+SUHNER& EMCI	SUCOFLEX 104&EMC104-SM- SM-8000	Cable-CH3-03 (309224+170907)	Aug. 20, 2019	Aug. 19, 2020
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller BV ADT	AT100	AT93021702	NA	NA
Turn Table BV ADT	TT100	TT93021702	NA	NA
Turn Table Controller BV ADT	SC100	SC93021702	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
USB Wideband Power Sensor KEYSIGHT	U2021XA	MY55050005/MY55 190004/MY551900 07/MY55210005	Jul. 15, 2019	Jul. 14, 2020

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

#### 4.1.4 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:**

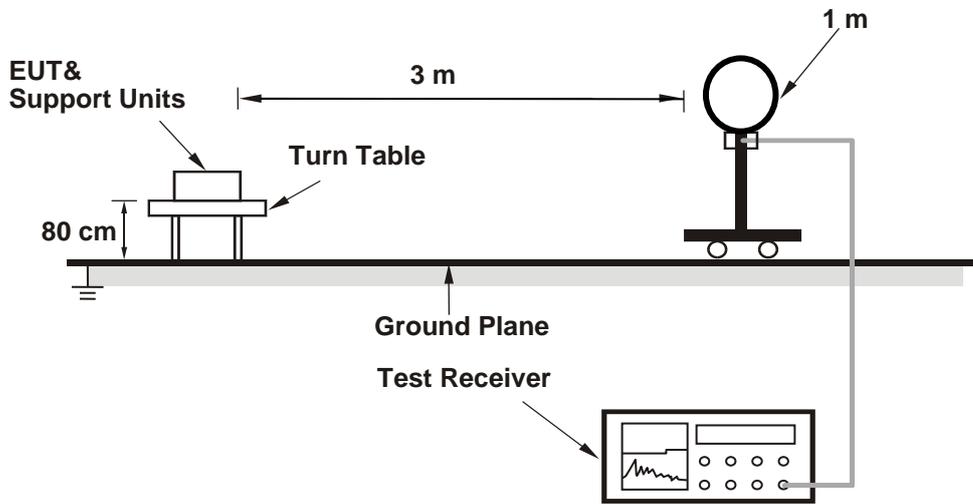
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle < 98 %) or 10 Hz (Duty cycle  $\geq 98$  %) for Average detection (AV) at frequency above 1 GHz.  
(11a: RBW = 1 MHz, VBW = 1 kHz ; 11n (HT20): RBW = 1 MHz, VBW = 1 kHz ;  
11n (HT40): RBW = 1 MHz, VBW = 1 kHz ; 11ac (VHT80): RBW = 1 MHz, VBW = 1 kHz)
4. All modes of operation were investigated and the worst-case emissions are reported.

#### 4.1.5 Deviation from Test Standard

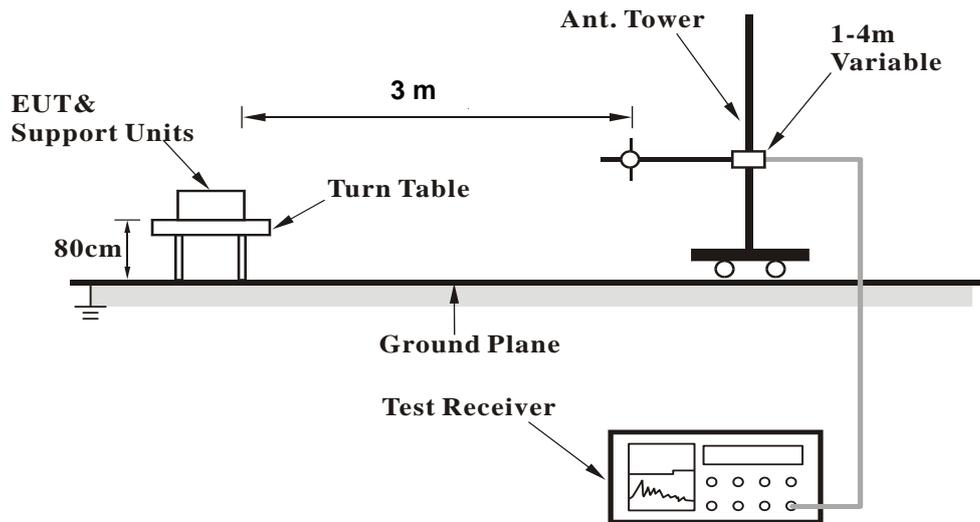
No deviation.

4.1.6 Test Setup

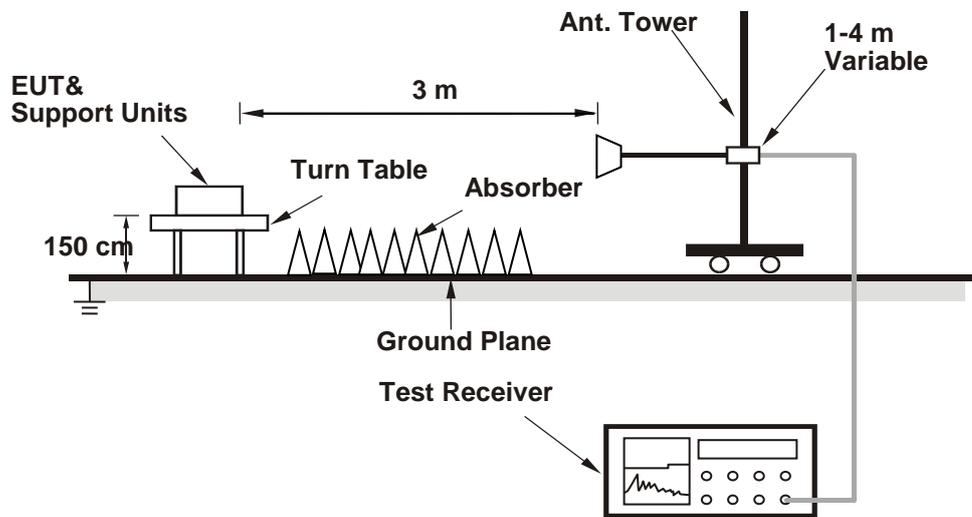
<Radiated Emission below 30 MHz>



<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).

**4.1.7 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.

4.1.8 Test Results

**ABOVE 1GHz DATA**

**Mode A**

**802.11a**

<b>CHANNEL</b>	TX Channel 36	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.6 PK	74.0	-17.4	3.77 H	283	52.5	4.1
2	5150.00	43.2 AV	54.0	-10.8	3.77 H	283	39.1	4.1
3	*5180.00	104.8 PK			3.82 H	279	65.5	39.3
4	*5180.00	94.0 AV			3.82 H	279	54.7	39.3
5	#10360.00	60.3 PK	68.2	-7.9	2.09 H	103	43.1	17.2

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	1.53 V	150	51.8	4.1
2	5150.00	43.0 AV	54.0	-11.0	1.53 V	150	38.9	4.1
3	*5180.00	103.0 PK			1.48 V	147	63.7	39.3
4	*5180.00	91.6 AV			1.48 V	147	52.3	39.3
5	#10360.00	60.5 PK	68.2	-7.7	1.83 V	22	43.3	17.2

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	105.9 PK			3.93 H	288	66.6	39.3
2	*5200.00	95.2 AV			3.93 H	288	55.9	39.3
3	#10400.00	61.3 PK	68.2	-6.9	2.22 H	125	43.9	17.4

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	103.0 PK			1.49 V	150	63.7	39.3
2	*5200.00	92.1 AV			1.49 V	150	52.8	39.3
3	#10400.00	60.6 PK	68.2	-7.6	1.89 V	19	43.2	17.4

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	104.0 PK			3.94 H	281	64.9	39.1
2	*5240.00	93.6 AV			3.94 H	281	54.5	39.1
3	5350.00	56.1 PK	74.0	-17.9	3.85 H	271	52.0	4.1
4	5350.00	42.5 AV	54.0	-11.5	3.85 H	271	38.4	4.1
5	#10480.00	61.7 PK	68.2	-6.5	2.35 H	119	43.7	18.0

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	102.6 PK			1.50 V	159	63.5	39.1
2	*5240.00	91.9 AV			1.50 V	159	52.8	39.1
3	5350.00	55.7 PK	74.0	-18.3	1.55 V	163	51.6	4.1
4	5350.00	42.3 AV	54.0	-11.7	1.55 V	163	38.2	4.1
5	#10480.00	61.3 PK	68.2	-6.9	1.91 V	26	43.3	18.0

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	3.85 H	278	51.8	4.1
2	5150.00	43.6 AV	54.0	-10.4	3.85 H	278	39.5	4.1
3	*5260.00	103.6 PK			3.89 H	275	64.6	39.0
4	*5260.00	92.9 AV			3.89 H	275	53.9	39.0
5	#10520.00	61.1 PK	68.2	-7.1	1.63 H	299	42.8	18.3

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.5 PK	74.0	-18.5	1.55 V	156	51.4	4.1
2	5150.00	43.3 AV	54.0	-10.7	1.55 V	156	39.2	4.1
3	*5260.00	102.5 PK			1.48 V	153	63.5	39.0
4	*5260.00	91.8 AV			1.48 V	153	52.8	39.0
5	#10520.00	60.8 PK	68.2	-7.4	2.02 V	302	42.5	18.3

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	104.0 PK			3.24 H	272	64.9	39.1
2	*5300.00	93.1 AV			3.24 H	272	54.0	39.1
3	10600.00	61.6 PK	74.0	-12.4	1.69 H	302	42.7	18.9
4	10600.00	48.4 AV	54.0	-5.6	1.69 H	302	29.5	18.9

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	102.3 PK			1.47 V	150	63.2	39.1
2	*5300.00	92.1 AV			1.47 V	150	53.0	39.1
3	10600.00	61.4 PK	74.0	-12.6	2.15 V	312	42.5	18.9
<b>4</b>	<b>10600.00</b>	<b>48.5 AV</b>	<b>54.0</b>	<b>-5.5</b>	<b>2.15 V</b>	<b>312</b>	<b>29.6</b>	<b>18.9</b>

**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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	103.0 PK			2.98 H	284	63.8	39.2
2	*5320.00	92.5 AV			2.98 H	284	53.3	39.2
3	5350.00	55.9 PK	74.0	-18.1	3.00 H	289	51.8	4.1
4	5350.00	43.7 AV	54.0	-10.3	3.00 H	289	39.6	4.1
5	10640.00	61.2 PK	74.0	-12.8	1.65 H	298	42.6	18.6
6	10640.00	48.4 AV	54.0	-5.6	1.65 H	298	29.8	18.6

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	102.5 PK			1.50 V	150	63.3	39.2
2	*5320.00	92.2 AV			1.50 V	150	53.0	39.2
3	5350.00	55.6 PK	74.0	-18.4	1.52 V	155	51.5	4.1
4	5350.00	43.6 AV	54.0	-10.4	1.52 V	155	39.5	4.1
5	10640.00	60.9 PK	74.0	-13.1	2.11 V	313	42.3	18.6
6	10640.00	48.1 AV	54.0	-5.9	2.11 V	313	29.5	18.6

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.6 PK	74.0	-17.4	3.58 H	277	52.1	4.5
2	5460.00	42.5 AV	54.0	-11.5	3.58 H	277	38.0	4.5
3	#5470.00	56.7 PK	68.2	-11.5	3.63 H	280	52.2	4.5
4	*5500.00	106.3 PK			3.51 H	273	66.6	39.7
5	*5500.00	95.2 AV			3.51 H	273	55.5	39.7
6	11000.00	61.8 PK	74.0	-12.2	1.73 H	287	42.5	19.3
7	11000.00	48.3 AV	54.0	-5.7	1.73 H	287	29.0	19.3

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.3 PK	74.0	-17.7	1.41 V	150	51.8	4.5
2	5460.00	42.2 AV	54.0	-11.8	1.41 V	150	37.7	4.5
3	#5470.00	56.4 PK	68.2	-11.8	1.37 V	143	51.9	4.5
4	*5500.00	104.6 PK			1.45 V	148	64.9	39.7
5	*5500.00	93.6 AV			1.45 V	148	53.9	39.7
6	11000.00	61.5 PK	74.0	-12.5	2.31 V	340	42.2	19.3
7	11000.00	48.1 AV	54.0	-5.9	2.31 V	340	28.8	19.3

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	106.6 PK			3.30 H	273	66.9	39.7
2	*5580.00	95.9 AV			3.30 H	273	56.2	39.7
3	11160.00	61.2 PK	74.0	-12.8	1.85 H	288	42.6	18.6
4	11160.00	47.8 AV	54.0	-6.2	1.85 H	288	29.2	18.6

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	105.4 PK			1.46 V	143	65.7	39.7
2	*5580.00	94.5 AV			1.46 V	143	54.8	39.7
3	11160.00	60.9 PK	74.0	-13.1	2.34 V	327	42.3	18.6
4	11160.00	47.6 AV	54.0	-6.4	2.34 V	327	29.0	18.6

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.0 PK			3.47 H	274	66.2	39.8
2	*5700.00	95.0 AV			3.47 H	274	55.2	39.8
3	#5925.00	57.4 PK	68.2	-10.8	2.57 H	280	52.1	5.3
4	11400.00	61.1 PK	74.0	-12.9	1.89 H	291	42.6	18.5
5	11400.00	47.3 AV	54.0	-6.7	1.89 H	291	28.8	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	104.4 PK			1.35 V	139	64.6	39.8
2	*5700.00	93.2 AV			1.35 V	139	53.4	39.8
3	#5925.00	57.3 PK	68.2	-10.9	1.43 V	150	52.0	5.3
4	11400.00	60.8 PK	74.0	-13.2	2.19 V	329	42.3	18.5
5	11400.00	47.1 AV	54.0	-6.9	2.19 V	329	28.6	18.5

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

<b>CHANNEL</b>	TX Channel 149	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5745.00	105.7 PK			3.29 H	65	65.7	40.0
2	*5745.00	95.2 AV			3.29 H	65	55.2	40.0
3	11490.00	60.9 PK	74.0	-13.1	1.82 H	309	42.1	18.8
4	11490.00	47.1 AV	54.0	-6.9	1.82 H	309	28.3	18.8

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5745.00	102.5 PK			1.49 V	139	62.5	40.0
2	*5745.00	92.0 AV			1.49 V	139	52.0	40.0
3	11490.00	60.8 PK	74.0	-13.2	2.35 V	322	42.0	18.8
4	11490.00	46.9 AV	54.0	-7.1	2.35 V	322	28.1	18.8

**REMARKS:**

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

<b>CHANNEL</b>	TX Channel 157	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	106.9 PK			3.43 H	67	66.7	40.2
2	*5785.00	96.0 AV			3.43 H	67	55.8	40.2
3	11570.00	62.0 PK	74.0	-12.0	1.91 H	320	43.5	18.5
4	11570.00	47.4 AV	54.0	-6.6	1.91 H	320	28.9	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	102.9 PK			1.55 V	137	62.7	40.2
2	*5785.00	91.9 AV			1.55 V	137	51.7	40.2
3	11570.00	61.7 PK	74.0	-12.3	2.23 V	309	43.2	18.5
4	11570.00	47.1 AV	54.0	-6.9	2.23 V	309	28.6	18.5

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	105.0 PK			3.39 H	68	64.6	40.4
2	*5825.00	94.7 AV			3.39 H	68	54.3	40.4
3	11650.00	61.1 PK	74.0	-12.9	1.87 H	297	42.6	18.5
4	11650.00	47.4 AV	54.0	-6.6	1.87 H	297	28.9	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	102.9 PK			1.56 V	136	62.5	40.4
2	*5825.00	91.6 AV			1.56 V	136	51.2	40.4
3	11650.00	60.8 PK	74.0	-13.2	2.31 V	323	42.3	18.5
4	11650.00	47.3 AV	54.0	-6.7	2.31 V	323	28.8	18.5

**REMARKS:**

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

802.11ax (HE20)

<b>CHANNEL</b>	TX Channel 36	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.5 PK	74.0	-17.5	3.22 H	285	52.4	4.1
2	5150.00	43.3 AV	54.0	-10.7	3.22 H	285	39.2	4.1
3	*5180.00	104.8 PK			3.17 H	277	65.5	39.3
4	*5180.00	90.7 AV			3.17 H	277	51.4	39.3
5	#10360.00	62.5 PK	68.2	-5.7	2.61 H	143	45.3	17.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.7 PK	74.0	-17.3	1.55 V	150	52.6	4.1
2	5150.00	43.8 AV	54.0	-10.2	1.55 V	150	39.7	4.1
3	*5180.00	101.9 PK			1.47 V	148	62.6	39.3
4	*5180.00	89.1 AV			1.47 V	148	49.8	39.3
5	#10360.00	60.8 PK	68.2	-7.4	1.90 V	31	43.6	17.2

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	105.0 PK			3.15 H	275	65.7	39.3
2	*5200.00	90.7 AV			3.15 H	275	51.4	39.3
3	#10400.00	61.2 PK	68.2	-7.0	2.09 H	120	43.8	17.4

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	102.3 PK			2.16 V	151	63.0	39.3
2	*5200.00	89.3 AV			2.16 V	151	50.0	39.3
3	#10400.00	60.7 PK	68.2	-7.5	1.68 V	12	43.3	17.4

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	103.6 PK			3.12 H	275	64.5	39.1
2	*5240.00	90.5 AV			3.12 H	275	51.4	39.1
3	5350.00	55.8 PK	74.0	-18.2	3.03 H	283	51.7	4.1
4	5350.00	42.6 AV	54.0	-11.4	3.03 H	283	38.5	4.1
5	#10480.00	61.5 PK	68.2	-6.7	2.03 H	135	43.5	18.0

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	102.6 PK			2.14 V	149	63.5	39.1
2	*5240.00	89.1 AV			2.14 V	149	50.0	39.1
3	5350.00	55.7 PK	74.0	-18.3	2.03 V	153	51.6	4.1
4	5350.00	42.4 AV	54.0	-11.6	2.03 V	153	38.3	4.1
5	#10480.00	61.3 PK	68.2	-6.9	1.69 V	23	43.3	18.0

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	3.10 H	280	51.8	4.1
2	5150.00	43.7 AV	54.0	-10.3	3.10 H	280	39.6	4.1
3	*5260.00	104.6 PK			3.08 H	278	65.6	39.0
4	*5260.00	90.7 AV			3.08 H	278	51.7	39.0
5	#10520.00	60.9 PK	68.2	-7.3	1.59 H	301	42.6	18.3

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.7 PK	74.0	-18.3	1.32 V	153	51.6	4.1
2	5150.00	43.4 AV	54.0	-10.6	1.32 V	153	39.3	4.1
3	*5260.00	102.4 PK			1.30 V	149	63.4	39.0
4	*5260.00	89.3 AV			1.30 V	149	50.3	39.0
5	#10520.00	60.6 PK	68.2	-7.6	2.13 V	292	42.3	18.3

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	103.9 PK			2.89 H	277	64.8	39.1
2	*5300.00	90.6 AV			2.89 H	277	51.5	39.1
3	10600.00	61.4 PK	74.0	-12.6	1.62 H	285	42.5	18.9
4	10600.00	48.5 AV	54.0	-5.5	1.62 H	285	29.6	18.9

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	102.5 PK			1.53 V	150	63.4	39.1
2	*5300.00	89.1 AV			1.53 V	150	50.0	39.1
3	10600.00	61.6 PK	74.0	-12.4	1.93 V	310	42.7	18.9
4	10600.00	48.3 AV	54.0	-5.7	1.93 V	310	29.4	18.9

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	104.8 PK			3.18 H	276	65.6	39.2
2	*5320.00	91.1 AV			3.18 H	276	51.9	39.2
3	5350.00	55.9 PK	74.0	-18.1	3.20 H	279	51.8	4.1
4	5350.00	43.9 AV	54.0	-10.1	3.20 H	279	39.8	4.1
5	10640.00	61.2 PK	74.0	-12.8	1.63 H	299	42.6	18.6
6	10640.00	48.3 AV	54.0	-5.7	1.63 H	299	29.7	18.6

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	103.3 PK			1.48 V	149	64.1	39.2
2	*5320.00	89.9 AV			1.48 V	149	50.7	39.2
3	5350.00	55.6 PK	74.0	-18.4	1.52 V	153	51.5	4.1
4	5350.00	43.6 AV	54.0	-10.4	1.52 V	153	39.5	4.1
5	10640.00	61.3 PK	74.0	-12.7	2.11 V	316	42.7	18.6
6	10640.00	48.2 AV	54.0	-5.8	2.11 V	316	29.6	18.6

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.5 PK	74.0	-17.5	3.61 H	290	52.0	4.5
2	5460.00	42.5 AV	54.0	-11.5	3.61 H	290	38.0	4.5
3	#5470.00	57.1 PK	68.2	-11.1	3.55 H	280	52.6	4.5
4	*5500.00	105.4 PK			3.49 H	276	65.7	39.7
5	*5500.00	92.1 AV			3.49 H	276	52.4	39.7
6	11000.00	62.7 PK	74.0	-11.3	1.91 H	290	43.4	19.3
7	11000.00	48.4 AV	54.0	-5.6	1.91 H	290	29.1	19.3

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.4 PK	74.0	-17.6	1.53 V	143	51.9	4.5
2	5460.00	42.3 AV	54.0	-11.7	1.53 V	143	37.8	4.5
3	#5470.00	56.9 PK	68.2	-11.3	1.49 V	148	52.4	4.5
4	*5500.00	101.7 PK			1.57 V	149	62.0	39.7
5	*5500.00	88.4 AV			1.57 V	149	48.7	39.7
6	11000.00	62.6 PK	74.0	-11.4	2.25 V	326	43.3	19.3
7	11000.00	48.3 AV	54.0	-5.7	2.25 V	326	29.0	19.3

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	105.9 PK			3.43 H	280	66.2	39.7
2	*5580.00	92.5 AV			3.43 H	280	52.8	39.7
3	11160.00	62.1 PK	74.0	-11.9	1.83 H	284	43.5	18.6
4	11160.00	47.9 AV	54.0	-6.1	1.83 H	284	29.3	18.6

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	102.2 PK			1.53 V	142	62.5	39.7
2	*5580.00	88.7 AV			1.53 V	142	49.0	39.7
3	11160.00	61.9 PK	74.0	-12.1	2.33 V	331	43.3	18.6
4	11160.00	47.7 AV	54.0	-6.3	2.33 V	331	29.1	18.6

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	103.8 PK			3.44 H	279	64.0	39.8
2	*5700.00	91.6 AV			3.44 H	279	51.8	39.8
3	#5925.00	57.6 PK	68.2	-10.6	2.58 H	283	52.3	5.3
4	11400.00	61.5 PK	74.0	-12.5	1.82 H	283	43.0	18.5
5	11400.00	47.3 AV	54.0	-6.7	1.82 H	283	28.8	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	100.0 PK			1.63 V	147	60.2	39.8
2	*5700.00	87.8 AV			1.63 V	147	48.0	39.8
3	#5925.00	57.3 PK	68.2	-10.9	1.58 V	150	52.0	5.3
4	11400.00	61.6 PK	74.0	-12.4	2.34 V	336	43.1	18.5
5	11400.00	47.5 AV	54.0	-6.5	2.34 V	336	29.0	18.5

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

<b>CHANNEL</b>	TX Channel 149	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5745.00	104.4 PK			3.54 H	277	64.4	40.0
2	*5745.00	91.3 AV			3.54 H	277	51.3	40.0
3	11490.00	60.5 PK	74.0	-13.5	1.75 H	288	41.7	18.8
4	11490.00	47.3 AV	54.0	-6.7	1.75 H	288	28.5	18.8

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5745.00	100.6 PK			1.55 V	140	60.6	40.0
2	*5745.00	87.5 AV			1.55 V	140	47.5	40.0
3	11490.00	60.6 PK	74.0	-13.4	2.35 V	323	41.8	18.8
4	11490.00	47.3 AV	54.0	-6.7	2.35 V	323	28.5	18.8

**REMARKS:**

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

<b>CHANNEL</b>	TX Channel 157	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	105.0 PK			3.50 H	280	64.8	40.2
2	*5785.00	91.6 AV			3.50 H	280	51.4	40.2
3	11570.00	60.5 PK	74.0	-13.5	1.81 H	290	42.0	18.5
4	11570.00	47.1 AV	54.0	-6.9	1.81 H	290	28.6	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	99.2 PK			1.38 V	135	59.0	40.2
2	*5785.00	86.2 AV			1.38 V	135	46.0	40.2
3	11570.00	60.3 PK	74.0	-13.7	2.20 V	318	41.8	18.5
4	11570.00	47.0 AV	54.0	-7.0	2.20 V	318	28.5	18.5

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	105.0 PK			3.44 H	281	64.6	40.4
2	*5825.00	92.0 AV			3.44 H	281	51.6	40.4
3	11650.00	60.4 PK	74.0	-13.6	1.77 H	293	41.9	18.5
4	11650.00	47.1 AV	54.0	-6.9	1.77 H	293	28.6	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	101.6 PK			1.06 V	129	61.2	40.4
2	*5825.00	88.0 AV			1.06 V	129	47.6	40.4
3	11650.00	60.1 PK	74.0	-13.9	2.08 V	310	41.6	18.5
4	11650.00	46.8 AV	54.0	-7.2	2.08 V	310	28.3	18.5

**REMARKS:**

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

802.11ax (HE40)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	3.15 H	278	51.8	4.1
2	5150.00	43.6 AV	54.0	-10.4	3.15 H	278	39.5	4.1
3	*5190.00	101.6 PK			3.20 H	275	62.3	39.3
4	*5190.00	88.6 AV			3.20 H	275	49.3	39.3
5	#10380.00	60.2 PK	68.2	-8.0	1.53 H	296	42.8	17.4

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.6 PK	74.0	-18.4	2.23 V	156	51.5	4.1
2	5150.00	43.6 AV	54.0	-10.4	2.23 V	156	39.5	4.1
3	*5190.00	98.5 PK			2.20 V	153	59.2	39.3
4	*5190.00	85.8 AV			2.20 V	153	46.5	39.3
5	#10380.00	59.9 PK	68.2	-8.3	2.12 V	303	42.5	17.4

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	100.9 PK			3.09 H	275	61.8	39.1
2	*5230.00	88.1 AV			3.09 H	275	49.0	39.1
3	5350.00	55.9 PK	74.0	-18.1	3.11 H	278	51.8	4.1
4	5350.00	43.6 AV	54.0	-10.4	3.11 H	278	39.5	4.1
5	#10460.00	60.3 PK	68.2	-7.9	1.55 H	293	42.5	17.8

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	98.4 PK			2.18 V	161	59.3	39.1
2	*5230.00	85.2 AV			2.18 V	161	46.1	39.1
3	5350.00	55.7 PK	74.0	-18.3	2.20 V	163	51.6	4.1
4	5350.00	43.4 AV	54.0	-10.6	2.20 V	163	39.3	4.1
5	#10460.00	60.2 PK	68.2	-8.0	1.93 V	293	42.4	17.8

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

<b>CHANNEL</b>	TX Channel 54	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.7 PK	74.0	-18.3	3.25 H	281	51.6	4.1
2	5150.00	43.6 AV	54.0	-10.4	3.25 H	281	39.5	4.1
3	*5270.00	100.4 PK			3.23 H	277	61.3	39.1
4	*5270.00	87.4 AV			3.23 H	277	48.3	39.1
5	#10540.00	61.1 PK	68.2	-7.1	1.61 H	306	42.6	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.4 PK	74.0	-18.6	1.53 V	155	51.3	4.1
2	5150.00	43.2 AV	54.0	-10.8	1.53 V	155	39.1	4.1
3	*5270.00	99.2 PK			1.48 V	151	60.1	39.1
4	*5270.00	87.0 AV			1.48 V	151	47.9	39.1
5	#10540.00	60.8 PK	68.2	-7.4	2.11 V	316	42.3	18.5

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	101.4 PK			3.03 H	275	62.2	39.2
2	*5310.00	88.3 AV			3.03 H	275	49.1	39.2
3	5350.00	55.9 PK	74.0	-18.1	3.05 H	278	51.8	4.1
4	5350.00	43.7 AV	54.0	-10.3	3.05 H	278	39.6	4.1
5	10620.00	61.1 PK	74.0	-12.9	1.59 H	299	42.3	18.8
6	10620.00	48.2 AV	54.0	-5.8	1.59 H	299	29.4	18.8

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	100.3 PK			1.50 V	149	61.1	39.2
2	*5310.00	87.1 AV			1.50 V	149	47.9	39.2
3	5350.00	55.7 PK	74.0	-18.3	1.53 V	150	51.6	4.1
4	5350.00	43.7 AV	54.0	-10.3	1.53 V	150	39.6	4.1
5	10620.00	61.2 PK	74.0	-12.8	2.05 V	301	42.4	18.8
6	10620.00	48.0 AV	54.0	-6.0	2.05 V	301	29.2	18.8

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.2 PK	74.0	-17.8	3.45 H	282	51.7	4.5
2	5460.00	42.5 AV	54.0	-11.5	3.45 H	282	38.0	4.5
3	#5470.00	56.8 PK	68.2	-11.4	3.57 H	279	52.3	4.5
4	*5510.00	102.2 PK			3.48 H	277	62.5	39.7
5	*5510.00	89.3 AV			3.48 H	277	49.6	39.7
6	11020.00	61.6 PK	74.0	-12.4	2.01 H	288	42.5	19.1
7	11020.00	48.0 AV	54.0	-6.0	2.01 H	288	28.9	19.1

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	1.58 V	139	51.5	4.5
2	5460.00	42.4 AV	54.0	-11.6	1.58 V	139	37.9	4.5
3	#5470.00	56.5 PK	68.2	-11.7	1.50 V	133	52.0	4.5
4	*5510.00	98.4 PK			1.63 V	142	58.7	39.7
5	*5510.00	85.5 AV			1.63 V	142	45.8	39.7
6	11020.00	61.3 PK	74.0	-12.7	2.40 V	326	42.2	19.1
7	11020.00	47.7 AV	54.0	-6.3	2.40 V	326	28.6	19.1

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	102.2 PK			3.26 H	277	62.5	39.7
2	*5550.00	89.3 AV			3.26 H	277	49.6	39.7
3	11100.00	61.0 PK	74.0	-13.0	1.89 H	290	42.4	18.6
4	11100.00	47.4 AV	54.0	-6.6	1.89 H	290	28.8	18.6

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	98.2 PK			1.63 V	142	58.5	39.7
2	*5550.00	85.4 AV			1.63 V	142	45.7	39.7
3	11100.00	60.7 PK	74.0	-13.3	2.29 V	340	42.1	18.6
4	11100.00	47.1 AV	54.0	-6.9	2.29 V	340	28.5	18.6

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	101.8 PK			3.33 H	276	62.0	39.8
2	*5670.00	89.3 AV			3.33 H	276	49.5	39.8
3	#5925.00	57.8 PK	68.2	-10.4	3.44 H	280	52.5	5.3
4	11340.00	60.9 PK	74.0	-13.1	1.89 H	297	42.2	18.7
5	11340.00	47.3 AV	54.0	-6.7	1.89 H	297	28.6	18.7

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	97.8 PK			1.57 V	140	58.0	39.8
2	*5670.00	84.8 AV			1.57 V	140	45.0	39.8
3	#5925.00	57.5 PK	68.2	-10.7	1.61 V	139	52.2	5.3
4	11340.00	60.7 PK	74.0	-13.3	2.31 V	331	42.0	18.7
5	11340.00	47.0 AV	54.0	-7.0	2.31 V	331	28.3	18.7

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

<b>CHANNEL</b>	TX Channel 151	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5755.00	101.1 PK			3.36 H	279	61.1	40.0
2	*5755.00	88.5 AV			3.36 H	279	48.5	40.0
3	11510.00	61.4 PK	74.0	-12.6	1.83 H	299	42.5	18.9
4	11510.00	47.9 AV	54.0	-6.1	1.83 H	299	29.0	18.9

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5755.00	97.2 PK			1.23 V	130	57.2	40.0
2	*5755.00	84.1 AV			1.23 V	130	44.1	40.0
3	11510.00	61.1 PK	74.0	-12.9	2.15 V	330	42.2	18.9
4	11510.00	47.7 AV	54.0	-6.3	2.15 V	330	28.8	18.9

**REMARKS:**

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

<b>CHANNEL</b>	TX Channel 159	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	102.4 PK			3.46 H	277	62.1	40.3
2	*5795.00	88.6 AV			3.46 H	277	48.3	40.3
3	11590.00	61.5 PK	74.0	-12.5	1.88 H	312	43.1	18.4
4	11590.00	47.3 AV	54.0	-6.7	1.88 H	312	28.9	18.4

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	96.8 PK			1.20 V	130	56.5	40.3
2	*5795.00	84.3 AV			1.20 V	130	44.0	40.3
3	11590.00	61.2 PK	74.0	-12.8	2.08 V	333	42.8	18.4
4	11590.00	46.9 AV	54.0	-7.1	2.08 V	333	28.5	18.4

**REMARKS:**

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

802.11ax (HE80)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	3.00 H	277	51.8	4.1
2	5150.00	43.6 AV	54.0	-10.4	3.00 H	277	39.5	4.1
3	*5210.00	98.7 PK			2.98 H	275	59.5	39.2
4	*5210.00	86.1 AV			2.98 H	275	46.9	39.2
5	5350.00	55.7 PK	74.0	-18.3	3.02 H	278	51.6	4.1
6	5350.00	43.4 AV	54.0	-10.6	3.02 H	278	39.3	4.1
7	#10420.00	60.4 PK	68.2	-7.8	1.66 H	302	42.8	17.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.6 PK	74.0	-18.4	2.23 V	155	51.5	4.1
2	5150.00	43.4 AV	54.0	-10.6	2.23 V	155	39.3	4.1
3	*5210.00	96.6 PK			2.21 V	153	57.4	39.2
4	*5210.00	83.8 AV			2.21 V	153	44.6	39.2
5	5350.00	55.4 PK	74.0	-18.6	2.26 V	158	51.3	4.1
6	5350.00	43.2 AV	54.0	-10.8	2.26 V	158	39.1	4.1
7	#10420.00	60.2 PK	68.2	-8.0	2.02 V	313	42.6	17.6

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	3.08 H	281	51.8	4.1
2	5150.00	43.7 AV	54.0	-10.3	3.08 H	281	39.6	4.1
3	*5290.00	98.6 PK			3.03 H	276	59.5	39.1
4	*5290.00	85.8 AV			3.03 H	276	46.7	39.1
5	5350.00	56.0 PK	74.0	-18.0	3.10 H	282	51.9	4.1
6	5350.00	43.9 AV	54.0	-10.1	3.10 H	282	39.8	4.1
7	#10580.00	61.5 PK	68.2	-6.7	1.66 H	311	42.7	18.8

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.6 PK	74.0	-18.4	1.52 V	155	51.5	4.1
2	5150.00	43.3 AV	54.0	-10.7	1.52 V	155	39.2	4.1
3	*5290.00	98.0 PK			1.49 V	150	58.9	39.1
4	*5290.00	84.7 AV			1.49 V	150	45.6	39.1
5	5350.00	55.5 PK	74.0	-18.5	1.55 V	156	51.4	4.1
6	5350.00	43.4 AV	54.0	-10.6	1.55 V	156	39.3	4.1
7	#10580.00	61.3 PK	68.2	-6.9	2.02 V	313	42.5	18.8

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.7 PK	74.0	-17.3	3.41 H	280	52.2	4.5
2	5460.00	42.7 AV	54.0	-11.3	3.41 H	280	38.2	4.5
3	#5470.00	56.5 PK	68.2	-11.7	3.33 H	277	52.0	4.5
4	*5530.00	100.4 PK			3.29 H	276	60.7	39.7
5	*5530.00	87.5 AV			3.29 H	276	47.8	39.7
6	#5925.00	57.4 PK	68.2	-10.8	3.38 H	279	52.1	5.3
7	11060.00	62.1 PK	74.0	-11.9	1.92 H	303	43.2	18.9
8	11060.00	48.0 AV	54.0	-6.0	1.92 H	303	29.1	18.9

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.2 PK	74.0	-17.8	1.55 V	143	51.7	4.5
2	5460.00	42.5 AV	54.0	-11.5	1.55 V	143	38.0	4.5
3	#5470.00	56.3 PK	68.2	-11.9	1.61 V	139	51.8	4.5
4	*5530.00	94.2 PK			1.58 V	141	54.5	39.7
5	*5530.00	82.1 AV			1.58 V	141	42.4	39.7
6	#5925.00	57.3 PK	68.2	-10.9	1.63 V	138	52.0	5.3
7	11060.00	61.9 PK	74.0	-12.1	2.43 V	339	43.0	18.9
8	11060.00	47.9 AV	54.0	-6.1	2.43 V	339	29.0	18.9

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.5 PK	74.0	-17.5	3.52 H	282	52.0	4.5
2	5460.00	42.6 AV	54.0	-11.4	3.52 H	282	38.1	4.5
3	#5470.00	56.3 PK	68.2	-11.9	3.43 H	280	51.8	4.5
4	*5610.00	100.4 PK			3.39 H	276	60.6	39.8
5	*5610.00	87.8 AV			3.39 H	276	48.0	39.8
6	#5925.00	57.9 PK	68.2	-10.3	3.34 H	282	52.6	5.3
7	11220.00	61.4 PK	74.0	-12.6	1.85 H	290	42.7	18.7
8	11220.00	48.1 AV	54.0	-5.9	1.85 H	290	29.4	18.7

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.1 PK	74.0	-17.9	1.59 V	149	51.6	4.5
2	5460.00	42.4 AV	54.0	-11.6	1.59 V	149	37.9	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.60 V	144	51.5	4.5
4	*5610.00	96.0 PK			1.58 V	143	56.2	39.8
5	*5610.00	82.8 AV			1.58 V	143	43.0	39.8
6	#5925.00	57.7 PK	68.2	-10.5	1.63 V	155	52.4	5.3
7	11220.00	61.2 PK	74.0	-12.8	2.39 V	334	42.5	18.7
8	11220.00	47.9 AV	54.0	-6.1	2.39 V	334	29.2	18.7

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

<b>CHANNEL</b>	TX Channel 155	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5650.00	55.7 PK	68.2	-12.5	3.41 H	282	51.3	4.4
2	*5775.00	99.4 PK			3.38 H	279	59.3	40.1
3	*5775.00	86.5 AV			3.38 H	279	46.4	40.1
4	#5925.00	57.1 PK	68.2	-11.1	3.39 H	287	51.8	5.3
5	11550.00	61.2 PK	74.0	-12.8	1.93 H	294	42.5	18.7
6	11550.00	47.8 AV	54.0	-6.2	1.93 H	294	29.1	18.7

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5650.00	55.6 PK	68.2	-12.6	1.23 V	133	51.2	4.4
2	*5775.00	94.6 PK			1.13 V	130	54.5	40.1
3	*5775.00	82.4 AV			1.13 V	130	42.3	40.1
4	#5925.00	57.7 PK	68.2	-10.5	1.10 V	128	52.4	5.3
5	11550.00	61.0 PK	74.0	-13.0	2.22 V	332	42.3	18.7
6	11550.00	47.5 AV	54.0	-6.5	2.22 V	332	28.8	18.7

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

802.11ax (HE160)

<b>CHANNEL</b>	TX Channel 50	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	3.10 H	280	51.8	4.1
2	5150.00	43.6 AV	54.0	-10.4	3.10 H	280	39.5	4.1
3	*5250.00	97.1 PK			3.08 H	277	58.1	39.0
4	*5250.00	84.0 AV			3.08 H	277	45.0	39.0
5	5350.00	56.6 PK	74.0	-17.4	3.11 H	282	52.5	4.1
6	5350.00	44.6 AV	54.0	-9.4	3.11 H	282	40.5	4.1
7	#10500.00	61.0 PK	68.2	-7.2	1.62 H	308	42.8	18.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.6 PK	74.0	-18.4	2.23 V	150	51.5	4.1
2	5150.00	43.7 AV	54.0	-10.3	2.23 V	150	39.6	4.1
3	*5250.00	93.3 PK			2.19 V	146	54.3	39.0
4	*5250.00	80.9 AV			2.19 V	146	41.9	39.0
5	5350.00	57.8 PK	74.0	-16.2	2.22 V	148	53.7	4.1
6	5350.00	44.6 AV	54.0	-9.4	2.22 V	148	40.5	4.1
7	#10500.00	60.7 PK	68.2	-7.5	1.99 V	297	42.5	18.2

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

<b>CHANNEL</b>	TX Channel 114	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	3.39 H	278	51.5	4.5
2	5460.00	43.8 AV	54.0	-10.2	3.39 H	278	39.3	4.5
3	#5470.00	56.3 PK	68.2	-11.9	3.42 H	282	51.8	4.5
4	*5570.00	98.5 PK			3.40 H	279	58.8	39.7
5	*5570.00	85.0 AV			3.40 H	279	45.3	39.7
6	#5725.00	56.3 PK	68.2	-11.9	3.45 H	284	51.6	4.7
7	11140.00	61.0 PK	74.0	-13.0	1.69 H	313	42.5	18.5
8	11140.00	48.0 AV	54.0	-6.0	1.69 H	313	29.5	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.1 PK	74.0	-17.9	1.47 V	142	51.6	4.5
2	5460.00	44.0 AV	54.0	-10.0	1.47 V	142	39.5	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.51 V	148	51.5	4.5
4	*5570.00	94.9 PK			1.49 V	144	55.2	39.7
5	*5570.00	81.2 AV			1.49 V	144	41.5	39.7
6	#5725.00	56.3 PK	68.2	-11.9	1.53 V	149	51.6	4.7
7	11140.00	61.1 PK	74.0	-12.9	1.49 V	302	42.6	18.5
8	11140.00	48.1 AV	54.0	-5.9	1.49 V	302	29.6	18.5

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

**Mode B**

**802.11a**

<b>CHANNEL</b>	TX Channel 36	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.6 PK	74.0	-18.4	1.90 H	112	51.5	4.1
2	5150.00	43.1 AV	54.0	-10.9	1.90 H	112	39.0	4.1
3	*5180.00	100.0 PK			1.88 H	104	60.7	39.3
4	*5180.00	89.3 AV			1.88 H	104	50.0	39.3
5	#10360.00	59.4 PK	68.2	-8.8	1.42 H	302	42.2	17.2

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.3 PK	74.0	-17.7	2.33 V	65	52.2	4.1
2	5150.00	43.3 AV	54.0	-10.7	2.33 V	65	39.2	4.1
3	*5180.00	101.8 PK			2.31 V	63	62.5	39.3
4	*5180.00	90.6 AV			2.31 V	63	51.3	39.3
5	#10360.00	59.7 PK	68.2	-8.5	1.93 V	302	42.5	17.2

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.5 PK	74.0	-18.5	1.90 H	105	51.4	4.1
2	5150.00	43.2 AV	54.0	-10.8	1.90 H	105	39.1	4.1
3	*5200.00	99.6 PK			1.87 H	102	60.3	39.3
4	*5200.00	88.6 AV			1.87 H	102	49.3	39.3
5	#10400.00	59.9 PK	68.2	-8.3	1.52 H	306	42.5	17.4

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.1 PK	74.0	-17.9	2.27 V	50	52.0	4.1
2	5150.00	43.3 AV	54.0	-10.7	2.27 V	50	39.2	4.1
3	*5200.00	101.9 PK			2.29 V	54	62.6	39.3
4	*5200.00	91.3 AV			2.29 V	54	52.0	39.3
5	#10400.00	59.9 PK	68.2	-8.3	2.09 V	311	42.5	17.4

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	99.5 PK			1.83 H	102	60.4	39.1
2	*5240.00	88.9 AV			1.83 H	102	49.8	39.1
3	5350.00	55.6 PK	74.0	-18.4	1.85 H	103	51.5	4.1
4	5350.00	43.1 AV	54.0	-10.9	1.85 H	103	39.0	4.1
5	#10480.00	60.3 PK	68.2	-7.9	1.49 H	312	42.3	18.0

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	102.7 PK			2.31 V	54	63.6	39.1
2	*5240.00	91.6 AV			2.31 V	54	52.5	39.1
3	5350.00	56.1 PK	74.0	-17.9	2.32 V	60	52.0	4.1
4	5350.00	43.2 AV	54.0	-10.8	2.32 V	60	39.1	4.1
5	#10480.00	60.2 PK	68.2	-8.0	1.82 V	286	42.2	18.0

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.1 PK	74.0	-17.9	1.88 H	106	52.0	4.1
2	5150.00	43.3 AV	54.0	-10.7	1.88 H	106	39.2	4.1
3	*5260.00	101.8 PK			1.96 H	102	62.8	39.0
4	*5260.00	88.7 AV			1.96 H	102	49.7	39.0
5	#10520.00	60.6 PK	68.2	-7.6	1.53 H	292	42.3	18.3

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	2.40 V	58	51.8	4.1
2	5150.00	43.1 AV	54.0	-10.9	2.40 V	58	39.0	4.1
3	*5260.00	103.3 PK			2.37 V	55	64.3	39.0
4	*5260.00	92.4 AV			2.37 V	55	53.4	39.0
5	#10520.00	60.5 PK	68.2	-7.7	2.05 V	313	42.2	18.3

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	101.9 PK			1.49 H	102	62.8	39.1
2	*5300.00	89.3 AV			1.49 H	102	50.2	39.1
3	10600.00	61.2 PK	74.0	-12.8	1.63 H	302	42.3	18.9
4	10600.00	48.3 AV	54.0	-5.7	1.63 H	302	29.4	18.9

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	103.8 PK			2.37 V	55	64.7	39.1
2	*5300.00	92.7 AV			2.37 V	55	53.6	39.1
3	10600.00	61.4 PK	74.0	-12.6	2.13 V	312	42.5	18.9
4	10600.00	48.1 AV	54.0	-5.9	2.13 V	312	29.2	18.9

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	102.1 PK			1.49 H	100	62.9	39.2
2	*5320.00	88.9 AV			1.49 H	100	49.7	39.2
3	5350.00	55.9 PK	74.0	-18.1	1.52 H	106	51.8	4.1
4	5350.00	43.1 AV	54.0	-10.9	1.52 H	106	39.0	4.1
5	10640.00	60.8 PK	74.0	-13.2	1.52 H	299	42.2	18.6
6	10640.00	47.9 AV	54.0	-6.1	1.52 H	299	29.3	18.6

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	103.2 PK			2.31 V	55	64.0	39.2
2	*5320.00	92.4 AV			2.31 V	55	53.2	39.2
3	5350.00	56.1 PK	74.0	-17.9	2.33 V	60	52.0	4.1
4	5350.00	43.3 AV	54.0	-10.7	2.33 V	60	39.2	4.1
5	10640.00	61.1 PK	74.0	-12.9	2.15 V	310	42.5	18.6
6	10640.00	48.2 AV	54.0	-5.8	2.15 V	310	29.6	18.6

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.9 PK	74.0	-18.1	1.25 H	278	51.4	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.25 H	278	39.2	4.5
3	#5470.00	56.1 PK	68.2	-12.1	1.26 H	280	51.6	4.5
4	*5500.00	96.4 PK			1.24 H	276	56.7	39.7
5	*5500.00	86.0 AV			1.24 H	276	46.3	39.7
6	11100.00	60.9 PK	74.0	-13.1	1.61 H	302	42.3	18.6
7	11100.00	47.9 AV	54.0	-6.1	1.61 H	302	29.3	18.6

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	1.68 V	178	51.5	4.5
2	5460.00	44.0 AV	54.0	-10.0	1.68 V	178	39.5	4.5
3	#5470.00	56.1 PK	68.2	-12.1	1.69 V	180	51.6	4.5
4	*5500.00	101.2 PK			1.65 V	176	61.5	39.7
5	*5500.00	90.1 AV			1.65 V	176	50.4	39.7
6	11000.00	61.6 PK	74.0	-12.4	2.06 V	306	42.3	19.3
7	<b>11000.00</b>	<b>48.9 AV</b>	<b>54.0</b>	<b>-5.1</b>	<b>2.06 V</b>	<b>306</b>	<b>29.6</b>	<b>19.3</b>

**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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	97.7 PK			1.28 H	276	58.0	39.7
2	*5580.00	87.0 AV			1.28 H	276	47.3	39.7
3	11160.00	60.9 PK	74.0	-13.1	1.63 H	293	42.3	18.6
4	11160.00	47.9 AV	54.0	-6.1	1.63 H	293	29.3	18.6

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	101.4 PK			1.61 V	175	61.7	39.7
2	*5580.00	91.1 AV			1.61 V	175	51.4	39.7
3	11160.00	61.1 PK	74.0	-12.9	1.99 V	308	42.5	18.6
4	11160.00	48.1 AV	54.0	-5.9	1.99 V	308	29.5	18.6

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	97.8 PK			1.49 H	276	58.0	39.8
2	*5700.00	86.7 AV			1.49 H	276	46.9	39.8
3	#5725.00	56.2 PK	68.2	-12.0	1.52 H	278	51.5	4.7
4	11400.00	60.8 PK	74.0	-13.2	1.59 H	289	42.3	18.5
5	11400.00	47.7 AV	54.0	-6.3	1.59 H	289	29.2	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	100.2 PK			1.38 V	198	60.4	39.8
2	*5700.00	89.1 AV			1.38 V	198	49.3	39.8
3	#5725.00	56.0 PK	68.2	-12.2	1.42 V	200	51.3	4.7
4	11400.00	60.8 PK	74.0	-13.2	2.03 V	311	42.3	18.5
5	11400.00	47.9 AV	54.0	-6.1	2.03 V	311	29.4	18.5

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

<b>CHANNEL</b>	TX Channel 149	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5745.00	101.4 PK			3.00 H	65	61.4	40.0
2	*5745.00	90.4 AV			3.00 H	65	50.4	40.0
3	11490.00	60.9 PK	74.0	-13.1	1.66 H	309	42.1	18.8
4	11490.00	47.8 AV	54.0	-6.2	1.66 H	309	29.0	18.8

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5745.00	102.3 PK			2.15 V	71	62.3	40.0
2	*5745.00	91.7 AV			2.15 V	71	51.7	40.0
3	11490.00	61.0 PK	74.0	-13.0	2.25 V	313	42.2	18.8
4	11490.00	47.9 AV	54.0	-6.1	2.25 V	313	29.1	18.8

**REMARKS:**

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

<b>CHANNEL</b>	TX Channel 157	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	101.1 PK			2.95 H	67	60.9	40.2
2	*5785.00	90.0 AV			2.95 H	67	49.8	40.2
3	11570.00	61.0 PK	74.0	-13.0	1.58 H	297	42.5	18.5
4	11570.00	47.8 AV	54.0	-6.2	1.58 H	297	29.3	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	103.8 PK			2.13 V	68	63.6	40.2
2	*5785.00	93.0 AV			2.13 V	68	52.8	40.2
3	11570.00	60.8 PK	74.0	-13.2	2.19 V	313	42.3	18.5
4	11570.00	47.7 AV	54.0	-6.3	2.19 V	313	29.2	18.5

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	101.6 PK			3.04 H	69	61.2	40.4
2	*5825.00	91.2 AV			3.04 H	69	50.8	40.4
3	11650.00	60.8 PK	74.0	-13.2	1.66 H	305	42.3	18.5
4	11650.00	47.5 AV	54.0	-6.5	1.66 H	305	29.0	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	103.8 PK			2.10 V	70	63.4	40.4
2	*5825.00	93.3 AV			2.10 V	70	52.9	40.4
3	11650.00	60.8 PK	74.0	-13.2	2.25 V	314	42.3	18.5
4	11650.00	47.5 AV	54.0	-6.5	2.25 V	314	29.0	18.5

**REMARKS:**

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

802.11ax (HE20)

<b>CHANNEL</b>	TX Channel 36	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.6 PK	74.0	-18.4	1.55 H	106	51.5	4.1
2	5150.00	43.1 AV	54.0	-10.9	1.55 H	106	39.0	4.1
3	*5180.00	96.0 PK			1.53 H	104	56.7	39.3
4	*5180.00	82.7 AV			1.53 H	104	43.4	39.3
5	#10360.00	59.5 PK	68.2	-8.7	1.45 H	293	42.3	17.2

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.3 PK	74.0	-17.7	1.93 V	282	52.2	4.1
2	5150.00	43.3 AV	54.0	-10.7	1.93 V	282	39.2	4.1
3	*5180.00	100.8 PK			1.95 V	285	61.5	39.3
4	*5180.00	87.9 AV			1.95 V	285	48.6	39.3
5	#10360.00	59.5 PK	68.2	-8.7	2.08 V	314	42.3	17.2

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.7 PK	74.0	-18.3	1.55 H	103	51.6	4.1
2	5150.00	43.2 AV	54.0	-10.8	1.55 H	103	39.1	4.1
3	*5200.00	96.1 PK			1.52 H	100	56.8	39.3
4	*5200.00	82.8 AV			1.52 H	100	43.5	39.3
5	#10400.00	59.7 PK	68.2	-8.5	1.53 H	305	42.3	17.4

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.1 PK	74.0	-17.9	2.08 V	273	52.0	4.1
2	5150.00	43.3 AV	54.0	-10.7	2.08 V	273	39.2	4.1
3	*5200.00	101.1 PK			2.12 V	275	61.8	39.3
4	*5200.00	87.8 AV			2.12 V	275	48.5	39.3
5	#10400.00	59.9 PK	68.2	-8.3	1.93 V	303	42.5	17.4

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	96.5 PK			1.52 H	101	57.4	39.1
2	*5240.00	83.4 AV			1.52 H	101	44.3	39.1
3	5350.00	55.9 PK	74.0	-18.1	1.55 H	105	51.8	4.1
4	5350.00	43.3 AV	54.0	-10.7	1.55 H	105	39.2	4.1
5	#10480.00	60.4 PK	68.2	-7.8	1.63 H	313	42.4	18.0

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	101.8 PK			1.78 V	275	62.7	39.1
2	*5240.00	88.4 AV			1.78 V	275	49.3	39.1
3	5350.00	56.1 PK	74.0	-17.9	1.80 V	277	52.0	4.1
4	5350.00	43.3 AV	54.0	-10.7	1.80 V	277	39.2	4.1
5	#10480.00	60.3 PK	68.2	-7.9	1.93 V	295	42.3	18.0

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	1.49 H	106	51.8	4.1
2	5150.00	43.1 AV	54.0	-10.9	1.49 H	106	39.0	4.1
3	*5260.00	98.4 PK			1.48 H	104	59.4	39.0
4	*5260.00	85.0 AV			1.48 H	104	46.0	39.0
5	#10520.00	60.5 PK	68.2	-7.7	1.63 H	305	42.2	18.3

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.1 PK	74.0	-17.9	2.20 V	283	52.0	4.1
2	5150.00	43.3 AV	54.0	-10.7	2.20 V	283	39.2	4.1
3	*5260.00	102.2 PK			2.18 V	280	63.2	39.0
4	*5260.00	89.4 AV			2.18 V	280	50.4	39.0
5	#10520.00	60.6 PK	68.2	-7.6	2.03 V	301	42.3	18.3

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	98.6 PK			1.51 H	102	59.5	39.1
2	*5300.00	85.2 AV			1.51 H	102	46.1	39.1
3	10600.00	61.1 PK	74.0	-12.9	1.59 H	302	42.2	18.9
4	10600.00	48.2 AV	54.0	-5.8	1.59 H	302	29.3	18.9

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	100.3 PK			2.19 V	51	61.2	39.1
2	*5300.00	86.3 AV			2.19 V	51	47.2	39.1
3	10600.00	61.1 PK	74.0	-12.9	2.05 V	305	42.2	18.9
4	10600.00	48.1 AV	54.0	-5.9	2.05 V	305	29.2	18.9

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	98.2 PK			1.49 H	99	59.0	39.2
2	*5320.00	85.1 AV			1.49 H	99	45.9	39.2
3	5350.00	56.1 PK	74.0	-17.9	1.52 H	98	52.0	4.1
4	5350.00	43.3 AV	54.0	-10.7	1.52 H	98	39.2	4.1
5	10640.00	60.9 PK	74.0	-13.1	1.61 H	313	42.3	18.6
6	10640.00	48.1 AV	54.0	-5.9	1.61 H	313	29.5	18.6

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	100.4 PK			2.23 V	51	61.2	39.2
2	*5320.00	87.1 AV			2.23 V	51	47.9	39.2
3	5350.00	56.0 PK	74.0	-18.0	2.25 V	53	51.9	4.1
4	5350.00	43.4 AV	54.0	-10.6	2.25 V	53	39.3	4.1
5	10640.00	61.1 PK	74.0	-12.9	2.01 V	312	42.5	18.6
6	10640.00	48.1 AV	54.0	-5.9	2.01 V	312	29.5	18.6

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.8 PK	74.0	-18.2	1.38 H	259	51.3	4.5
2	5460.00	43.8 AV	54.0	-10.2	1.38 H	259	39.3	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.40 H	260	51.5	4.5
4	*5500.00	96.8 PK			1.36 H	256	57.1	39.7
5	*5500.00	83.7 AV			1.36 H	256	44.0	39.7
6	11000.00	61.6 PK	74.0	-12.4	1.52 H	289	42.3	19.3
7	11000.00	48.7 AV	54.0	-5.3	1.52 H	289	29.4	19.3

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.9 PK	74.0	-18.1	1.97 V	285	51.4	4.5
2	5460.00	44.0 AV	54.0	-10.0	1.97 V	285	39.5	4.5
3	#5470.00	56.2 PK	68.2	-12.0	1.99 V	283	51.7	4.5
4	*5500.00	102.0 PK			1.96 V	280	62.3	39.7
5	*5500.00	88.9 AV			1.96 V	280	49.2	39.7
6	11000.00	61.8 PK	74.0	-12.2	2.13 V	316	42.5	19.3
7	11000.00	48.8 AV	54.0	-5.2	2.13 V	316	29.5	19.3

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	97.5 PK			1.37 H	261	57.8	39.7
2	*5580.00	83.9 AV			1.37 H	261	44.2	39.7
3	11160.00	61.1 PK	74.0	-12.9	1.50 H	298	42.5	18.6
4	11160.00	48.1 AV	54.0	-5.9	1.50 H	298	29.5	18.6

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	101.2 PK			1.96 V	285	61.5	39.7
2	*5580.00	88.2 AV			1.96 V	285	48.5	39.7
3	11160.00	60.9 PK	74.0	-13.1	2.05 V	312	42.3	18.6
4	11160.00	47.9 AV	54.0	-6.1	2.05 V	312	29.3	18.6

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	97.3 PK			1.24 H	247	57.5	39.8
2	*5700.00	84.7 AV			1.24 H	247	44.9	39.8
3	#5725.00	56.1 PK	68.2	-12.1	1.26 H	250	51.4	4.7
4	11400.00	61.0 PK	74.0	-13.0	1.49 H	296	42.5	18.5
5	11400.00	48.0 AV	54.0	-6.0	1.49 H	296	29.5	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	103.4 PK			2.28 V	286	63.6	39.8
2	*5700.00	90.2 AV			2.28 V	286	50.4	39.8
3	#5725.00	56.2 PK	68.2	-12.0	2.30 V	289	51.5	4.7
4	11400.00	60.9 PK	74.0	-13.1	2.05 V	308	42.4	18.5
5	11400.00	47.8 AV	54.0	-6.2	2.05 V	308	29.3	18.5

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

<b>CHANNEL</b>	TX Channel 149	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5745.00	100.3 PK			3.15 H	61	60.3	40.0
2	*5745.00	86.9 AV			3.15 H	61	46.9	40.0
3	11490.00	61.3 PK	74.0	-12.7	1.63 H	299	42.5	18.8
4	11490.00	48.1 AV	54.0	-5.9	1.63 H	299	29.3	18.8

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5745.00	103.3 PK			2.21 V	285	63.3	40.0
2	*5745.00	90.4 AV			2.21 V	285	50.4	40.0
3	11490.00	60.9 PK	74.0	-13.1	2.21 V	305	42.1	18.8
4	11490.00	48.0 AV	54.0	-6.0	2.21 V	305	29.2	18.8

**REMARKS:**

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

<b>CHANNEL</b>	TX Channel 157	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	98.6 PK			3.36 H	75	58.4	40.2
2	*5785.00	85.8 AV			3.36 H	75	45.6	40.2
3	11570.00	61.0 PK	74.0	-13.0	1.63 H	293	42.5	18.5
4	11570.00	48.0 AV	54.0	-6.0	1.63 H	293	29.5	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	104.8 PK			2.20 V	285	64.6	40.2
2	*5785.00	90.7 AV			2.20 V	285	50.5	40.2
3	11570.00	61.0 PK	74.0	-13.0	2.22 V	321	42.5	18.5
4	11570.00	47.6 AV	54.0	-6.4	2.22 V	321	29.1	18.5

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	99.6 PK			3.33 H	68	59.2	40.4
2	*5825.00	86.8 AV			3.33 H	68	46.4	40.4
3	11650.00	61.0 PK	74.0	-13.0	1.63 H	293	42.5	18.5
4	11650.00	48.0 AV	54.0	-6.0	1.63 H	293	29.5	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	104.5 PK			2.38 V	286	64.1	40.4
2	*5825.00	91.4 AV			2.38 V	286	51.0	40.4
3	11650.00	60.9 PK	74.0	-13.1	2.29 V	318	42.4	18.5
4	11650.00	47.7 AV	54.0	-6.3	2.29 V	318	29.2	18.5

**REMARKS:**

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

802.11ax (HE40)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.7 PK	74.0	-18.3	1.52 H	105	51.6	4.1
2	5150.00	43.1 AV	54.0	-10.9	1.52 H	105	39.0	4.1
3	*5190.00	93.5 PK			1.51 H	103	54.2	39.3
4	*5190.00	80.4 AV			1.51 H	103	41.1	39.3
5	#10380.00	59.9 PK	68.2	-8.3	1.59 H	311	42.5	17.4

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.1 PK	74.0	-17.9	1.82 V	275	52.0	4.1
2	5150.00	43.4 AV	54.0	-10.6	1.82 V	275	39.3	4.1
3	*5190.00	99.0 PK			1.80 V	273	59.7	39.3
4	*5190.00	84.6 AV			1.80 V	273	45.3	39.3
5	#10380.00	59.8 PK	68.2	-8.4	2.12 V	309	42.4	17.4

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	93.6 PK			1.55 H	103	54.5	39.1
2	*5230.00	80.6 AV			1.55 H	103	41.5	39.1
3	5350.00	55.8 PK	74.0	-18.2	1.53 H	105	51.7	4.1
4	5350.00	43.2 AV	54.0	-10.8	1.53 H	105	39.1	4.1
5	#10460.00	60.3 PK	68.2	-7.9	1.55 H	312	42.5	17.8

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	98.7 PK			1.92 V	275	59.6	39.1
2	*5230.00	85.5 AV			1.92 V	275	46.4	39.1
3	5350.00	56.2 PK	74.0	-17.8	1.95 V	279	52.1	4.1
4	5350.00	43.3 AV	54.0	-10.7	1.95 V	279	39.2	4.1
5	#10460.00	60.1 PK	68.2	-8.1	2.11 V	315	42.3	17.8

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

<b>CHANNEL</b>	TX Channel 54	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.0 PK	74.0	-18.0	1.47 H	106	51.9	4.1
2	5150.00	43.3 AV	54.0	-10.7	1.47 H	106	39.2	4.1
3	*5270.00	96.4 PK			1.45 H	101	57.3	39.1
4	*5270.00	82.6 AV			1.45 H	101	43.5	39.1
5	#10540.00	61.0 PK	68.2	-7.2	1.55 H	306	42.5	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	2.26 V	72	51.8	4.1
2	5150.00	43.1 AV	54.0	-10.9	2.26 V	72	39.0	4.1
3	*5270.00	97.6 PK			2.21 V	70	58.5	39.1
4	*5270.00	83.9 AV			2.21 V	70	44.8	39.1
5	#10540.00	61.0 PK	68.2	-7.2	1.93 V	293	42.5	18.5

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	95.6 PK			1.51 H	101	56.4	39.2
2	*5310.00	82.4 AV			1.51 H	101	43.2	39.2
3	5350.00	56.1 PK	74.0	-17.9	1.55 H	106	52.0	4.1
4	5350.00	43.3 AV	54.0	-10.7	1.55 H	106	39.2	4.1
5	10620.00	61.0 PK	74.0	-13.0	1.52 H	303	42.2	18.8
6	10620.00	48.1 AV	54.0	-5.9	1.52 H	303	29.3	18.8

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	98.9 PK			1.87 V	281	59.7	39.2
2	*5310.00	85.7 AV			1.87 V	281	46.5	39.2
3	5350.00	55.9 PK	74.0	-18.1	1.90 V	283	51.8	4.1
4	5350.00	43.3 AV	54.0	-10.7	1.90 V	283	39.2	4.1
5	10620.00	61.3 PK	74.0	-12.7	2.21 V	313	42.5	18.8
6	10620.00	48.3 AV	54.0	-5.7	2.21 V	313	29.5	18.8

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	1.38 H	260	51.5	4.5
2	5460.00	43.8 AV	54.0	-10.2	1.38 H	260	39.3	4.5
3	#5470.00	56.1 PK	68.2	-12.1	1.37 H	259	51.6	4.5
4	*5510.00	93.0 PK			1.35 H	255	53.3	39.7
5	*5510.00	80.4 AV			1.35 H	255	40.7	39.7
6	11020.00	61.4 PK	74.0	-12.6	1.63 H	305	42.3	19.1
7	11020.00	48.6 AV	54.0	-5.4	1.63 H	305	29.5	19.1

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.2 PK	74.0	-17.8	2.18 V	279	51.7	4.5
2	5460.00	44.1 AV	54.0	-9.9	2.18 V	279	39.6	4.5
3	#5470.00	56.1 PK	68.2	-12.1	2.20 V	282	51.6	4.5
4	*5510.00	98.7 PK			2.16 V	280	59.0	39.7
5	*5510.00	85.7 AV			2.16 V	280	46.0	39.7
6	11020.00	61.6 PK	74.0	-12.4	2.13 V	315	42.5	19.1
7	11020.00	48.9 AV	54.0	-5.1	2.13 V	315	29.8	19.1

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	94.2 PK			1.49 H	260	54.5	39.7
2	*5550.00	81.3 AV			1.49 H	260	41.6	39.7
3	11100.00	61.1 PK	74.0	-12.9	1.61 H	296	42.5	18.6
4	11100.00	48.1 AV	54.0	-5.9	1.61 H	296	29.5	18.6

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	98.9 PK			2.22 V	290	59.2	39.7
2	*5550.00	85.7 AV			2.22 V	290	46.0	39.7
3	11100.00	61.0 PK	74.0	-13.0	2.14 V	305	42.4	18.6
4	11100.00	48.2 AV	54.0	-5.8	2.14 V	305	29.6	18.6

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	94.7 PK			1.47 H	247	54.9	39.8
2	*5670.00	81.7 AV			1.47 H	247	41.9	39.8
3	#5725.00	56.2 PK	68.2	-12.0	1.53 H	251	51.5	4.7
4	11340.00	61.0 PK	74.0	-13.0	1.53 H	301	42.3	18.7
5	11340.00	48.0 AV	54.0	-6.0	1.53 H	301	29.3	18.7

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	99.7 PK			2.26 V	281	59.9	39.8
2	*5670.00	87.1 AV			2.26 V	281	47.3	39.8
3	#5725.00	56.3 PK	68.2	-11.9	2.30 V	285	51.6	4.7
4	11340.00	61.2 PK	74.0	-12.8	2.08 V	307	42.5	18.7
5	11340.00	48.3 AV	54.0	-5.7	2.08 V	307	29.6	18.7

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

<b>CHANNEL</b>	TX Channel 151	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5650.00	56.2 PK	68.2	-12.0	3.30 H	280	51.8	4.4
2	*5755.00	97.0 PK			3.36 H	282	57.0	40.0
3	*5755.00	84.8 AV			3.36 H	282	44.8	40.0
4	11510.00	61.4 PK	74.0	-12.6	1.59 H	293	42.5	18.9
5	11510.00	48.2 AV	54.0	-5.8	1.59 H	293	29.3	18.9

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5650.00	55.9 PK	68.2	-12.3	2.32 V	290	51.5	4.4
2	*5755.00	100.9 PK			2.30 V	288	60.9	40.0
3	*5755.00	88.0 AV			2.30 V	288	48.0	40.0
4	11510.00	61.2 PK	74.0	-12.8	2.28 V	315	42.3	18.9
5	11510.00	48.1 AV	54.0	-5.9	2.28 V	315	29.2	18.9

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

<b>CHANNEL</b>	TX Channel 159	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	98.1 PK			3.54 H	66	57.8	40.3
2	*5795.00	85.2 AV			3.54 H	66	44.9	40.3
3	#5850.00	56.9 PK	68.2	-11.3	3.52 H	68	51.6	5.3
4	11590.00	60.7 PK	74.0	-13.3	1.56 H	302	42.3	18.4
5	11590.00	47.4 AV	54.0	-6.6	1.56 H	302	29.0	18.4

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	101.2 PK			2.28 V	289	60.9	40.3
2	*5795.00	88.0 AV			2.28 V	289	47.7	40.3
3	#5850.00	56.7 PK	68.2	-11.5	2.31 V	292	51.4	5.3
4	11590.00	60.8 PK	74.0	-13.2	2.31 V	313	42.4	18.4
5	11590.00	47.6 AV	54.0	-6.4	2.31 V	313	29.2	18.4

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.9 PK	74.0	-17.1	1.57 H	248	52.8	4.1
2	5150.00	44.5 AV	54.0	-9.5	1.57 H	248	40.4	4.1
3	*5210.00	90.8 PK			1.55 H	102	51.6	39.2
4	*5210.00	78.5 AV			1.55 H	102	39.3	39.2
5	5350.00	56.0 PK	74.0	-18.0	1.58 H	99	51.9	4.1
6	5350.00	43.2 AV	54.0	-10.8	1.58 H	99	39.1	4.1
7	#10420.00	59.8 PK	68.2	-8.4	1.55 H	305	42.2	17.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.1 PK	74.0	-17.9	1.95 V	278	52.0	4.1
2	5150.00	43.3 AV	54.0	-10.7	1.95 V	278	39.2	4.1
3	*5210.00	97.4 PK			1.93 V	272	58.2	39.2
4	*5210.00	83.3 AV			1.93 V	272	44.1	39.2
5	5350.00	56.2 PK	74.0	-17.8	2.01 V	282	52.1	4.1
6	5350.00	43.4 AV	54.0	-10.6	2.01 V	282	39.3	4.1
7	#10420.00	59.9 PK	68.2	-8.3	1.93 V	315	42.3	17.6

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.6 PK	74.0	-18.4	1.45 H	105	51.5	4.1
2	5150.00	43.1 AV	54.0	-10.9	1.45 H	105	39.0	4.1
3	*5290.00	92.2 PK			1.43 H	103	53.1	39.1
4	*5290.00	77.8 AV			1.43 H	103	38.7	39.1
5	5350.00	55.9 PK	74.0	-18.1	1.48 H	108	51.8	4.1
6	5350.00	43.3 AV	54.0	-10.7	1.48 H	108	39.2	4.1
7	#10580.00	61.1 PK	68.2	-7.1	1.42 H	293	42.3	18.8

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.2 PK	74.0	-17.8	1.90 V	280	52.1	4.1
2	5150.00	43.6 AV	54.0	-10.4	1.90 V	280	39.5	4.1
3	*5290.00	96.9 PK			1.86 V	276	57.8	39.1
4	*5290.00	83.6 AV			1.86 V	276	44.5	39.1
5	5350.00	56.1 PK	74.0	-17.9	1.92 V	282	52.0	4.1
6	5350.00	43.3 AV	54.0	-10.7	1.92 V	282	39.2	4.1
7	#10580.00	61.1 PK	68.2	-7.1	2.01 V	305	42.3	18.8

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.8 PK	74.0	-18.2	1.54 H	251	51.3	4.5
2	5460.00	43.8 AV	54.0	-10.2	1.54 H	251	39.3	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.53 H	250	51.5	4.5
4	*5530.00	92.4 PK			1.50 H	249	52.7	39.7
5	*5530.00	78.8 AV			1.50 H	249	39.1	39.7
6	#5725.00	56.3 PK	68.2	-11.9	1.59 H	257	51.6	4.7
7	11060.00	61.2 PK	74.0	-12.8	1.63 H	312	42.3	18.9
8	11060.00	48.5 AV	54.0	-5.5	1.63 H	312	29.6	18.9

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	2.28 V	290	51.5	4.5
2	5460.00	44.1 AV	54.0	-9.9	2.28 V	290	39.6	4.5
3	#5470.00	56.2 PK	68.2	-12.0	2.31 V	293	51.7	4.5
4	*5530.00	97.2 PK			2.27 V	289	57.5	39.7
5	*5530.00	83.7 AV			2.27 V	289	44.0	39.7
6	#5725.00	56.2 PK	68.2	-12.0	2.35 V	299	51.5	4.7
7	11060.00	61.5 PK	74.0	-12.5	2.23 V	318	42.6	18.9
8	11060.00	48.7 AV	54.0	-5.3	2.23 V	318	29.8	18.9

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.9 PK	74.0	-18.1	1.55 H	248	51.4	4.5
2	5460.00	44.1 AV	54.0	-9.9	1.55 H	248	39.6	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.58 H	250	51.5	4.5
4	*5610.00	92.6 PK			1.53 H	246	52.8	39.8
5	*5610.00	79.6 AV			1.53 H	246	39.8	39.8
6	#5725.00	56.2 PK	68.2	-12.0	1.61 H	253	51.5	4.7
7	11220.00	61.0 PK	74.0	-13.0	1.52 H	301	42.3	18.7
8	11220.00	48.3 AV	54.0	-5.7	1.52 H	301	29.6	18.7

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.8 PK	74.0	-18.2	2.30 V	285	51.3	4.5
2	5460.00	44.1 AV	54.0	-9.9	2.30 V	285	39.6	4.5
3	#5470.00	56.0 PK	68.2	-12.2	2.32 V	286	51.5	4.5
4	*5610.00	96.4 PK			2.28 V	284	56.6	39.8
5	*5610.00	84.1 AV			2.28 V	284	44.3	39.8
6	#5725.00	56.3 PK	68.2	-11.9	2.31 V	290	51.6	4.7
7	11220.00	61.3 PK	74.0	-12.7	2.25 V	323	42.6	18.7
8	11220.00	48.7 AV	54.0	-5.3	2.25 V	323	30.0	18.7

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

<b>CHANNEL</b>	TX Channel 155	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5650.00	56.1 PK	68.2	-12.1	3.52 H	70	51.7	4.4
2	*5775.00	95.6 PK			3.60 H	67	55.5	40.1
3	*5775.00	83.2 AV			3.60 H	67	43.1	40.1
4	#5850.00	56.9 PK	68.2	-11.3	3.55 H	71	51.6	5.3
5	11550.00	60.9 PK	74.0	-13.1	1.52 H	288	42.2	18.7
6	11550.00	47.9 AV	54.0	-6.1	1.52 H	288	29.2	18.7

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5650.00	56.2 PK	68.2	-12.0	2.42 V	290	51.8	4.4
2	*5775.00	99.5 PK			2.40 V	287	59.4	40.1
3	*5775.00	86.0 AV			2.40 V	287	45.9	40.1
4	#5850.00	56.8 PK	68.2	-11.4	2.37 V	282	51.5	5.3
5	11550.00	61.2 PK	74.0	-12.8	2.13 V	305	42.5	18.7
6	11550.00	47.9 AV	54.0	-6.1	2.13 V	305	29.2	18.7

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

802.11ax (HE160)

<b>CHANNEL</b>	TX Channel 50	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.1 PK	74.0	-17.9	1.60 H	105	52.0	4.1
2	5150.00	43.3 AV	54.0	-10.7	1.60 H	105	39.2	4.1
3	*5250.00	89.6 PK			1.57 H	103	50.6	39.0
4	*5250.00	75.2 AV			1.57 H	103	36.2	39.0
5	5350.00	56.0 PK	74.0	-18.0	1.62 H	108	51.9	4.1
6	5350.00	43.1 AV	54.0	-10.9	1.62 H	108	39.0	4.1
7	#10500.00	60.7 PK	68.2	-7.5	1.61 H	311	42.5	18.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.3 PK	74.0	-17.7	1.93 V	276	52.2	4.1
2	5150.00	43.3 AV	54.0	-10.7	1.93 V	276	39.2	4.1
3	*5250.00	95.1 PK			1.91 V	274	56.1	39.0
4	*5250.00	79.5 AV			1.91 V	274	40.5	39.0
5	5350.00	56.2 PK	74.0	-17.8	1.95 V	280	52.1	4.1
6	5350.00	43.4 AV	54.0	-10.6	1.95 V	280	39.3	4.1
7	#10500.00	60.7 PK	68.2	-7.5	2.05 V	313	42.5	18.2

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

<b>CHANNEL</b>	TX Channel 114	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.9 PK	74.0	-18.1	1.55 H	248	51.4	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.55 H	248	39.2	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.54 H	245	51.5	4.5
4	*5570.00	89.8 PK			1.52 H	246	50.1	39.7
5	*5570.00	77.2 AV			1.52 H	246	37.5	39.7
6	#5725.00	56.3 PK	68.2	-11.9	1.58 H	250	51.6	4.7
7	11140.00	60.7 PK	74.0	-13.3	1.42 H	302	42.2	18.5
8	11140.00	47.8 AV	54.0	-6.2	1.42 H	302	29.3	18.5

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	2.28 V	287	51.5	4.5
2	5460.00	44.3 AV	54.0	-9.7	2.28 V	287	39.8	4.5
3	#5470.00	56.1 PK	68.2	-12.1	2.30 V	288	51.6	4.5
4	*5570.00	94.9 PK			2.25 V	282	55.2	39.7
5	*5570.00	81.5 AV			2.25 V	282	41.8	39.7
6	#5725.00	56.1 PK	68.2	-12.1	2.32 V	291	51.4	4.7
7	11140.00	61.0 PK	74.0	-13.0	2.18 V	309	42.5	18.5
8	11140.00	48.2 AV	54.0	-5.8	2.18 V	309	29.7	18.5

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

**9 kHz ~ 30 MHz Data:**

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

**30 MHz ~ 1 GHz Worst-Case Data:**

**Mode A**

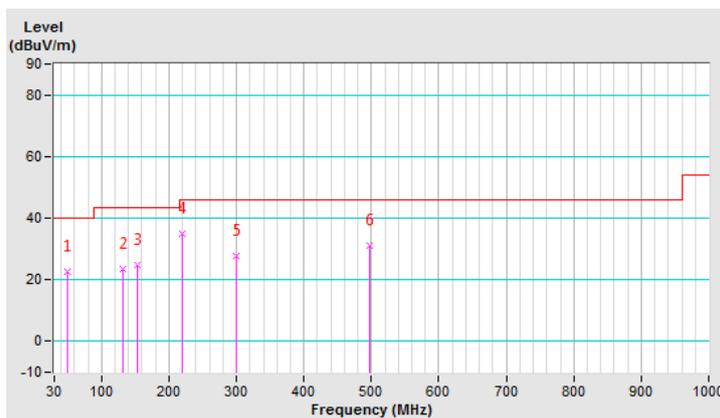
**802.11a**

<b>CHANNEL</b>	TX Channel 157	<b>DETECTOR FUNCTION</b>	Quasi-Peak (QP)
<b>FREQUENCY RANGE</b>	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.68	22.7 QP	40.0	-17.3	1.50 H	6	31.5	-8.8
2	131.22	23.6 QP	43.5	-19.9	1.50 H	264	33.5	-9.9
3	153.71	24.9 QP	43.5	-18.6	1.50 H	97	33.5	-8.6
4	219.78	35.0 QP	46.0	-11.0	2.00 H	51	46.3	-11.3
5	299.91	27.7 QP	46.0	-18.3	1.50 H	112	35.0	-7.3
6	498.13	31.1 QP	46.0	-14.9	1.00 H	61	32.6	-1.5

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.



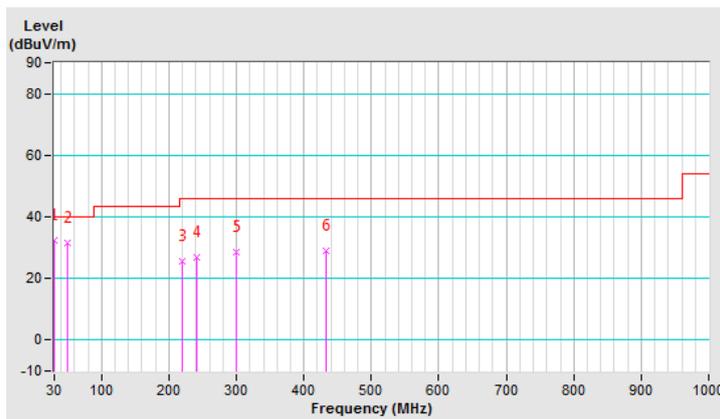
<b>CHANNEL</b>	TX Channel 157	<b>DETECTOR FUNCTION</b>	Quasi-Peak (QP)
<b>FREQUENCY RANGE</b>	30MHz ~ 1GHz		

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	30.00	32.4 QP	40.0	-7.6	1.50 V	137	42.8	-10.4
2	49.68	31.5 QP	40.0	-8.5	1.50 V	285	40.3	-8.8
3	219.78	25.7 QP	46.0	-20.3	1.00 V	57	37.0	-11.3
4	240.87	27.0 QP	46.0	-19.0	1.50 V	30	36.8	-9.8
5	299.91	28.7 QP	46.0	-17.3	2.00 V	13	36.0	-7.3
6	433.46	28.9 QP	46.0	-17.1	1.50 V	9	31.9	-3.0

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.



**Mode B**

**802.11ax (HE20)**

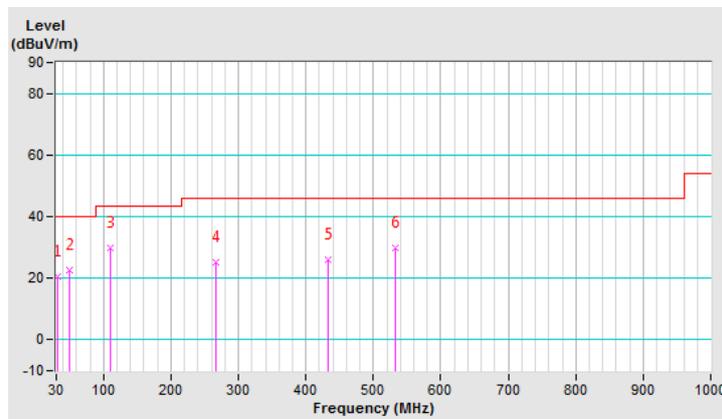
<b>CHANNEL</b>	TX Channel 157	<b>DETECTOR FUNCTION</b>	Quasi-Peak (QP)
<b>FREQUENCY RANGE</b>	30MHz ~ 1GHz		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBUV/m)	LIMIT (dBUV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBUV)	CORRECTION FACTOR (dB/m)
1	31.41	20.7 QP	40.0	-19.3	1.00 H	188	31.4	-10.7
2	49.68	22.5 QP	40.0	-17.5	1.50 H	343	31.3	-8.8
3	110.13	30.0 QP	43.5	-13.5	1.50 H	7	41.8	-11.8
4	267.58	25.1 QP	46.0	-20.9	1.50 H	249	33.7	-8.6
5	433.46	26.2 QP	46.0	-19.8	1.00 H	33	29.2	-3.0
6	533.28	30.0 QP	46.0	-16.0	1.50 H	42	30.8	-0.8

**REMARKS:**

1. Emission Level(dBUV/m) = Raw Value(dBUV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.



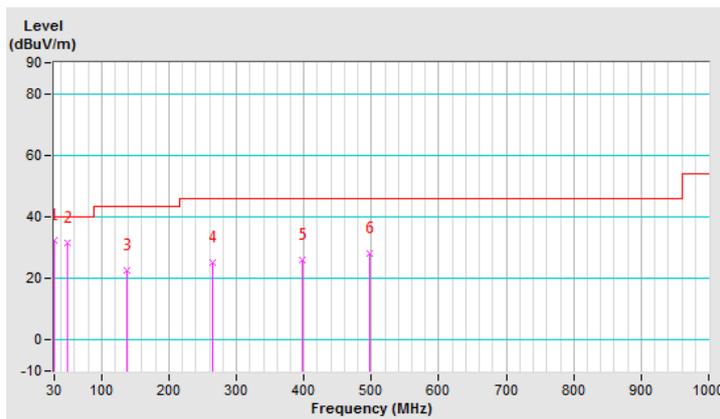
<b>CHANNEL</b>	TX Channel 157	<b>DETECTOR FUNCTION</b>	Quasi-Peak (QP)
<b>FREQUENCY RANGE</b>	30MHz ~ 1GHz		

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	30.00	32.2 QP	40.0	-7.8	1.50 V	322	42.6	-10.4
2	49.68	31.6 QP	40.0	-8.4	1.50 V	305	40.4	-8.8
3	138.25	22.7 QP	43.5	-20.8	2.00 V	16	31.9	-9.2
4	264.77	25.2 QP	46.0	-20.8	1.50 V	336	34.0	-8.8
5	398.32	26.2 QP	46.0	-19.8	1.50 V	208	30.7	-4.5
6	498.13	28.0 QP	46.0	-18.0	1.00 V	4	29.5	-1.5

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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. 11, 2019	Dec. 10, 2020
RF signal cable Woken	5D-FB	Cable-cond1-01	Sep. 05, 2019	Sep. 04, 2020
LISN ROHDE & SCHWARZ (EUT)	ENV216	101826	Feb. 21, 2019	Feb. 20, 2020
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100311	Aug. 22, 2019	Aug. 21, 2020
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.  
 3. The VCCI Site Registration No. is C-12040.

#### 4.2.3 Test Procedures

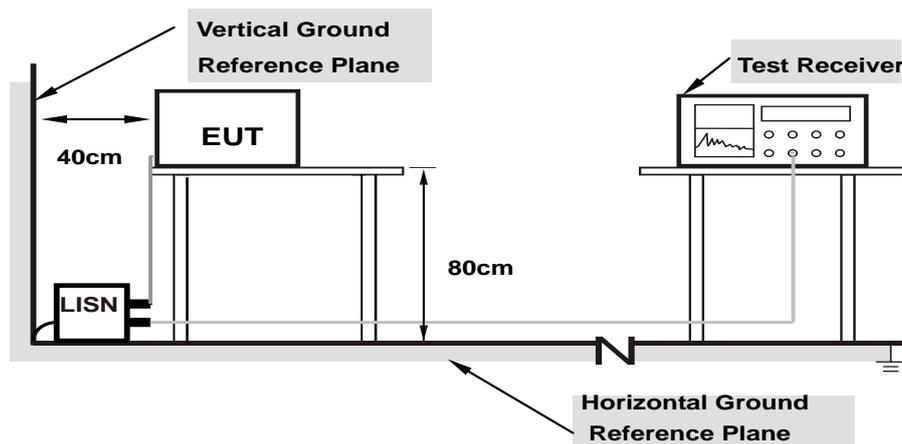
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling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

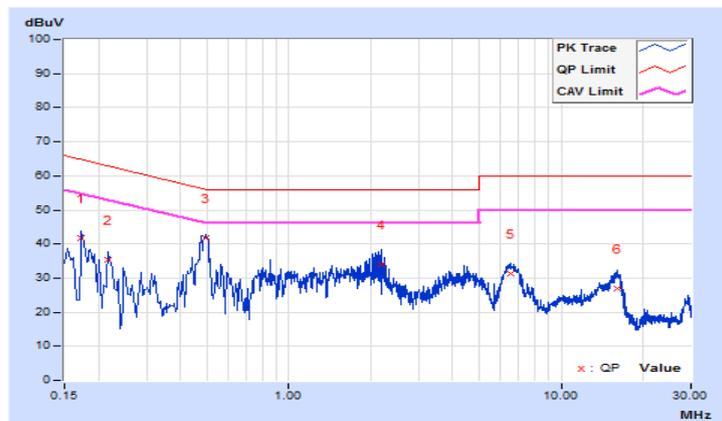
#### 4.2.7 Test Results

Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	Environmental Conditions	23°C, 68%RH
Tested by	Titan Hsu	Test Date	2020/2/20
Test Mode	Mode A		

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	0.17346	10.15	31.65	17.59	41.80	27.74	64.79	54.79	-22.99	-27.05
2	0.21647	10.16	25.24	11.46	35.40	21.62	62.95	52.95	-27.55	-31.33
3	0.49454	10.19	31.71	25.00	41.90	35.19	56.09	46.09	-14.19	-10.90
4	2.17929	10.37	23.53	12.82	33.90	23.19	56.00	46.00	-22.10	-22.81
5	6.51548	10.50	20.92	16.47	31.42	26.97	60.00	50.00	-28.58	-23.03
6	16.09107	10.64	16.41	9.04	27.05	19.68	60.00	50.00	-32.95	-30.32

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

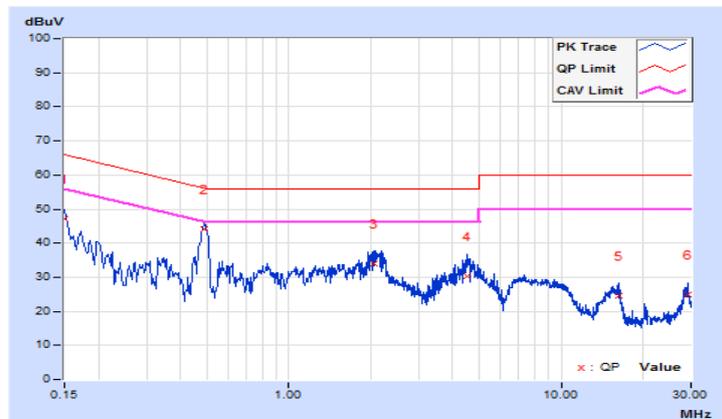


Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	Environmental Conditions	23°C, 68%RH
Tested by	Titan Hsu	Test Date	2020/2/20
Test Mode	Mode A		

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	0.15000	10.13	37.13	26.48	47.26	36.61	66.00	56.00	-18.74	-19.39
2	0.49017	10.18	33.86	27.51	44.04	37.69	56.16	46.16	-12.12	-8.47
3	2.04635	10.36	23.68	13.63	34.04	23.99	56.00	46.00	-21.96	-22.01
4	4.53311	10.47	19.73	10.26	30.20	20.73	56.00	46.00	-25.80	-25.27
5	16.22792	10.70	14.02	9.16	24.72	19.86	60.00	50.00	-35.28	-30.14
6	29.23649	10.91	13.87	9.96	24.78	20.87	60.00	50.00	-35.22	-29.13

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

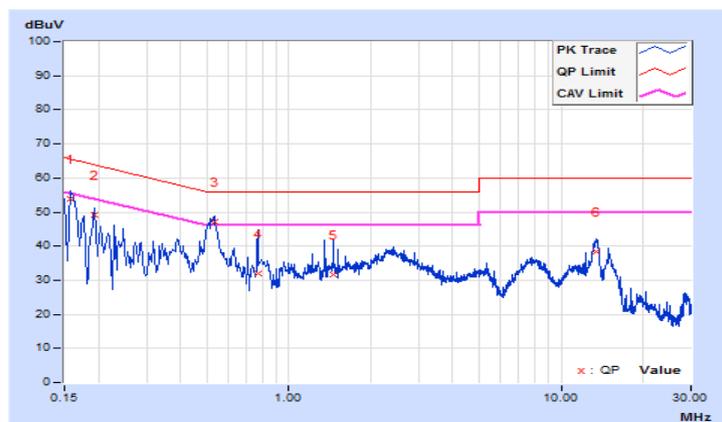


Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	Environmental Conditions	23°C, 68%RH
Tested by	Titan Hsu	Test Date	2020/2/20
Test Mode	Mode B		

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	0.15782	10.15	43.84	29.94	53.99	40.09	65.58	55.58	-11.59	-15.49
2	0.19301	10.16	38.91	26.60	49.07	36.76	63.91	53.91	-14.84	-17.15
<b>3</b>	<b>0.53318</b>	<b>10.19</b>	<b>36.82</b>	<b>30.32</b>	<b>47.01</b>	<b>40.51</b>	<b>56.00</b>	<b>46.00</b>	<b>-8.99</b>	<b>-5.49</b>
4	0.76778	10.23	21.82	15.36	32.05	25.59	56.00	46.00	-23.95	-20.41
5	1.45594	10.31	21.19	15.89	31.50	26.20	56.00	46.00	-24.50	-19.80
6	13.47137	10.60	27.75	22.40	38.35	33.00	60.00	50.00	-21.65	-17.00

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

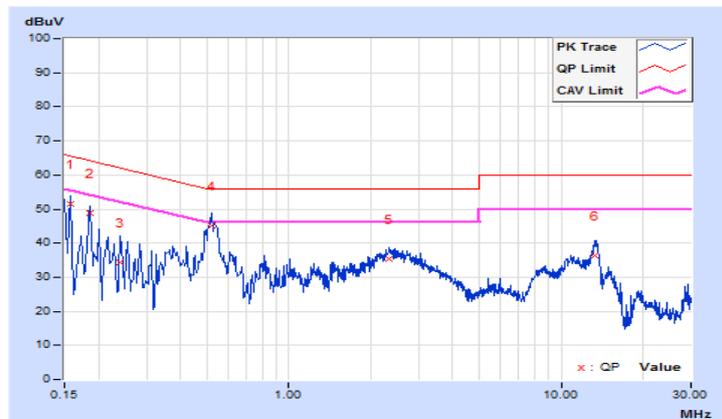


Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	Environmental Conditions	23°C, 68%RH
Tested by	Titan Hsu	Test Date	2020/2/20
Test Mode	Mode B		

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	0.15782	10.13	41.54	24.10	51.67	34.23	65.58	55.58	-13.91	-21.35
2	0.18519	10.13	38.53	26.45	48.66	36.58	64.25	54.25	-15.59	-17.67
3	0.23993	10.14	24.04	10.00	34.18	20.14	62.10	52.10	-27.92	-31.96
4	0.52130	10.19	34.84	27.83	45.03	38.02	56.00	46.00	-10.97	-7.98
5	2.33960	10.38	25.14	20.35	35.52	30.73	56.00	46.00	-20.48	-15.27
6	13.36189	10.63	25.90	20.03	36.53	30.66	60.00	50.00	-23.47	-19.34

Remarks:

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



### 4.3 Transmit Power Measurement

#### 4.3.1 Limits of Transmit Power Measurement

Operation Band	EUT Category		Limit
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p $\leq$ 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

Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for  $N_{ANT} \leq 4$ ;

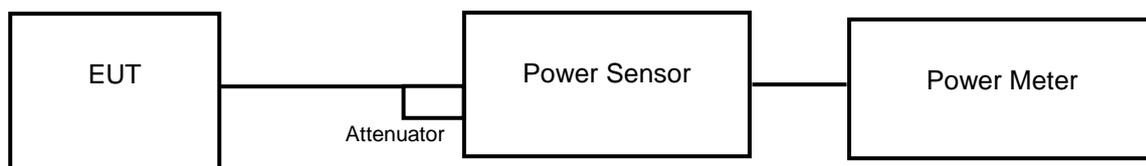
Array Gain = 0 dB (i.e., no array gain) for channel widths  $\geq 40$  MHz for any  $N_{ANT}$ ;

Array Gain =  $5 \log(N_{ANT}/N_{SS})$  dB or 3 dB, whichever is less for 20 MHz channel widths with  $N_{ANT} \geq 5$ .

For power measurements on all other devices: Array Gain =  $10 \log(N_{ANT}/N_{SS})$  dB.

#### 4.3.2 Test Setup

##### <Power Output Measurement>



#### 4.3.3 Test Instruments

Refer to section 4.1.3 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. Duty factor is not added to measured value.

#### 4.3.5 Deviation from Test Standard

No deviation.

#### 4.3.6 EUT Operating Conditions

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

#### 4.3.7 Test Results

##### Power Output:

##### 802.11a (SISO)

Channel	Frequency (MHz)	Maximum Conducted Power (mW)		Maximum Conducted Power (dBm)		Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 0	Chain 1		
36	5180	31.261	30.269	14.95	14.81	24	Pass
40	5200	31.046	31.333	14.92	14.96	24	Pass
44	5220	29.648	31.405	14.72	14.97	24	Pass
48	5240	30.339	29.717	14.82	14.73	24	Pass
52	5260	29.923	29.785	14.76	14.74	24	Pass
56	5280	30.620	30.479	14.86	14.84	24	Pass
60	5300	30.409	29.648	14.83	14.72	24	Pass
64	5320	29.923	29.785	14.76	14.74	24	Pass
100	5500	31.477	31.189	14.98	14.94	24	Pass
116	5580	31.117	31.477	14.93	14.98	24	Pass
120	5600	31.189	31.405	14.94	14.97	24	Pass
124	5620	31.117	31.117	14.93	14.93	24	Pass
132	5660	31.405	30.832	14.97	14.89	24	Pass
140	5700	31.550	30.974	14.99	14.91	24	Pass
144	5720	31.477	29.717	14.98	14.73	24	Pass
149	5745	31.261	29.580	14.95	14.71	30	Pass
153	5765	31.405	29.376	14.97	14.68	30	Pass
157	5785	31.117	31.046	14.93	14.92	30	Pass
161	5805	31.477	29.648	14.98	14.72	30	Pass
165	5825	31.261	30.061	14.95	14.78	30	Pass

**802.11n (HT20)**

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	8.93	8.96	15.704	11.96	24	Pass
40	5200	8.72	8.49	14.521	11.62	24	Pass
44	5220	9.12	8.74	15.631	11.94	24	Pass
48	5240	8.82	8.63	14.928	11.74	24	Pass
52	5260	8.76	8.63	14.825	11.71	24	Pass
56	5280	8.73	8.62	14.757	11.69	24	Pass
60	5300	8.74	8.52	14.588	11.64	24	Pass
64	5320	8.83	8.54	14.791	11.70	24	Pass
100	5500	8.99	8.83	15.560	11.92	24	Pass
116	5580	8.94	8.93	15.668	11.95	24	Pass
120	5600	8.88	8.96	15.596	11.93	24	Pass
124	5620	8.95	8.85	15.524	11.91	24	Pass
132	5660	8.89	8.89	15.488	11.90	24	Pass
140	5700	8.98	8.81	15.524	11.91	24	Pass
144	5720	8.96	8.66	15.205	11.82	24	Pass
149	5745	8.93	8.66	15.171	11.81	30	Pass
153	5765	8.89	8.81	15.346	11.86	30	Pass
157	5785	8.92	8.81	15.417	11.88	30	Pass
161	5805	8.98	8.66	15.241	11.83	30	Pass
165	5825	8.96	8.68	15.241	11.83	30	Pass

**802.11n (HT40)**

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	8.83	8.59	14.859	11.72	24	Pass
46	5230	8.97	8.54	15.031	11.77	24	Pass
54	5270	8.93	8.74	15.311	11.85	24	Pass
62	5310	8.98	8.76	15.417	11.88	24	Pass
102	5510	8.76	8.57	14.723	11.68	24	Pass
110	5550	8.71	8.59	14.655	11.66	24	Pass
118	5590	8.75	8.63	14.791	11.70	24	Pass
126	5630	8.82	8.59	14.859	11.72	24	Pass
134	5670	8.73	8.48	14.521	11.62	24	Pass
142	5710	8.82	8.44	14.588	11.64	24	Pass
151	5755	8.78	8.49	14.622	11.65	30	Pass
159	5795	8.93	8.52	14.928	11.74	30	Pass

## 802.11ac (VHT20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	8.98	8.96	15.776	11.98	24	Pass
40	5200	8.77	8.49	14.588	11.64	24	Pass
44	5220	8.82	8.45	14.622	11.65	24	Pass
48	5240	8.85	8.61	14.928	11.74	24	Pass
52	5260	8.78	8.63	14.859	11.72	24	Pass
56	5280	8.71	8.58	14.655	11.66	24	Pass
60	5300	8.79	8.63	14.859	11.72	24	Pass
64	5320	8.87	8.61	14.962	11.75	24	Pass
100	5500	8.98	8.94	15.740	11.97	24	Pass
116	5580	8.91	8.95	15.631	11.94	24	Pass
120	5600	8.90	8.91	15.560	11.92	24	Pass
124	5620	8.92	8.90	15.560	11.92	24	Pass
132	5660	8.93	8.78	15.382	11.87	24	Pass
140	5700	8.96	8.76	15.382	11.87	24	Pass
144	5720	8.94	8.59	15.066	11.78	24	Pass
149	5745	8.97	8.61	15.136	11.80	30	Pass
153	5765	8.93	8.66	15.171	11.81	30	Pass
157	5785	8.96	8.75	15.382	11.87	30	Pass
161	5805	8.92	8.64	15.101	11.79	30	Pass
165	5825	8.94	8.78	15.382	11.87	30	Pass

**802.11ac (VHT40)**

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	8.85	8.64	14.997	11.76	24	Pass
46	5230	8.96	8.59	15.101	11.79	24	Pass
54	5270	8.93	8.69	15.205	11.82	24	Pass
62	5310	8.98	8.69	15.311	11.85	24	Pass
102	5510	8.80	8.59	14.825	11.71	24	Pass
110	5550	8.73	8.59	14.689	11.67	24	Pass
118	5590	8.79	8.66	14.928	11.74	24	Pass
126	5630	8.85	8.65	14.997	11.76	24	Pass
134	5670	8.76	8.56	14.689	11.67	24	Pass
142	5710	8.79	8.46	14.588	11.64	24	Pass
151	5755	8.77	8.46	14.555	11.63	30	Pass
159	5795	8.86	8.54	14.825	11.71	30	Pass

**802.11ac (VHT80)**

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	8.95	8.69	15.241	11.83	24	Pass
58	5290	8.98	8.95	15.776	11.98	24	Pass
106	5530	8.76	8.86	15.205	11.82	24	Pass
122	5610	8.97	8.75	15.382	11.87	24	Pass
138	5690	8.98	8.67	15.276	11.84	24	Pass
155	5775	8.98	8.67	15.311	11.85	30	Pass

**802.11ac (VHT160)**

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
50	5250	8.98	8.82	15.524	11.91	24	Pass
114	5570	8.76	8.93	15.346	11.86	24	Pass

**802.11ax (HE20)**

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	8.81	8.92	15.417	11.88	24	Pass
40	5200	8.86	8.71	15.136	11.80	24	Pass
44	5220	8.93	8.73	15.276	11.84	24	Pass
48	5240	8.95	8.87	15.560	11.92	24	Pass
52	5260	8.91	8.91	15.560	11.92	24	Pass
56	5280	8.94	8.83	15.488	11.90	24	Pass
60	5300	8.97	8.75	15.382	11.87	24	Pass
64	5320	8.96	8.87	15.596	11.93	24	Pass
100	5500	8.90	8.72	15.205	11.82	24	Pass
116	5580	8.83	8.78	15.205	11.82	24	Pass
120	5600	8.89	8.73	15.205	11.82	24	Pass
124	5620	8.96	8.76	15.382	11.87	24	Pass
132	5660	8.89	8.83	15.382	11.87	24	Pass
140	5700	8.91	8.60	15.031	11.77	24	Pass
144	5720	8.95	8.57	15.031	11.77	24	Pass
149	5745	8.82	8.50	14.689	11.67	30	Pass
153	5765	8.91	8.61	15.031	11.77	30	Pass
157	5785	8.94	8.65	15.171	11.81	30	Pass
161	5805	8.92	8.51	14.894	11.73	30	Pass
165	5825	8.88	8.54	14.859	11.72	30	Pass

### 802.11ax (HE40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	8.83	8.79	15.205	11.82	24	Pass
46	5230	8.96	8.80	15.453	11.89	24	Pass
54	5270	8.72	8.52	14.555	11.63	24	Pass
62	5310	8.78	8.44	14.521	11.62	24	Pass
102	5510	8.92	8.87	15.524	11.91	24	Pass
110	5550	8.86	8.91	15.488	11.90	24	Pass
118	5590	8.88	8.84	15.382	11.87	24	Pass
126	5630	8.95	8.79	15.417	11.88	24	Pass
134	5670	8.89	8.71	15.171	11.81	24	Pass
142	5710	8.97	8.65	15.205	11.82	24	Pass
151	5755	8.95	8.51	14.962	11.75	30	Pass
159	5795	8.99	8.67	15.276	11.84	30	Pass

### 802.11ax (HE80)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	8.86	8.44	14.689	11.67	24	Pass
58	5290	8.79	8.67	14.928	11.74	24	Pass
106	5530	8.96	8.93	15.704	11.96	24	Pass
122	5610	8.83	8.62	14.928	11.74	24	Pass
138	5690	8.71	8.46	14.454	11.60	24	Pass
155	5775	9.08	8.83	15.740	11.97	30	Pass

### 802.11ax (HE160)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
50	5250	8.97	8.56	15.066	11.78	24	Pass
114	5570	8.42	8.79	14.521	11.62	24	Pass

## 5 Pictures of Test Arrangements

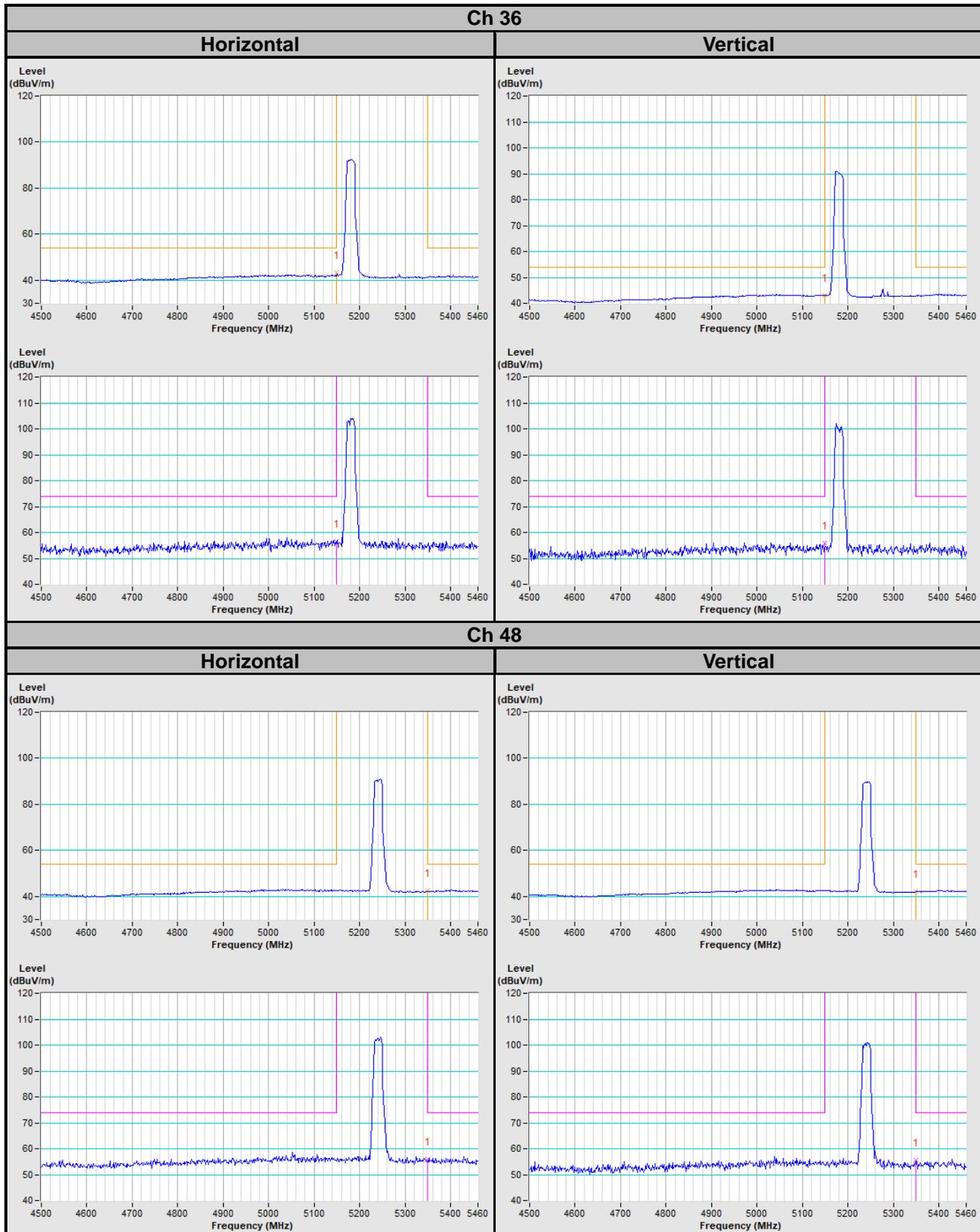
Please refer to the attached file (Test Setup Photo).

## Annex A- Radiated Out of Band Emission (OOBE) Measurement

Mode A

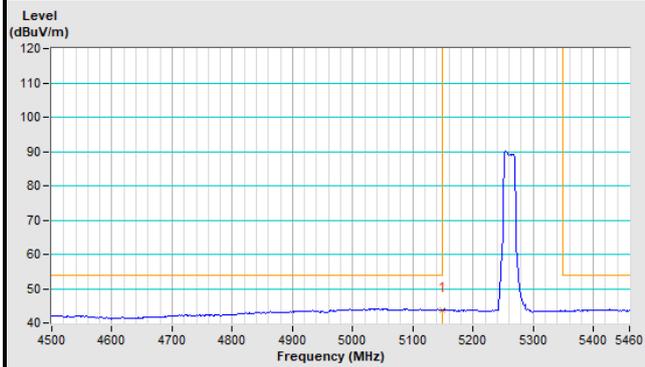
For 5180 ~ 5320 MHz

802.11a

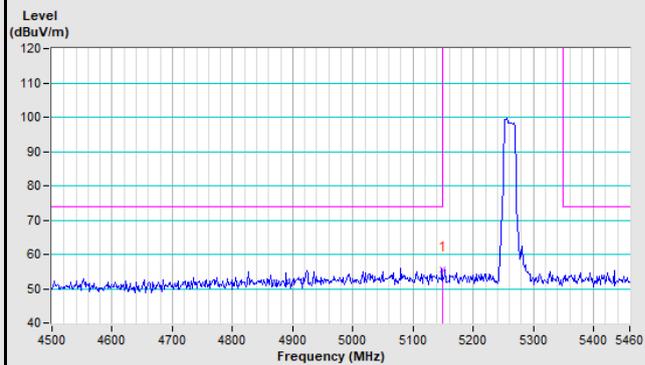
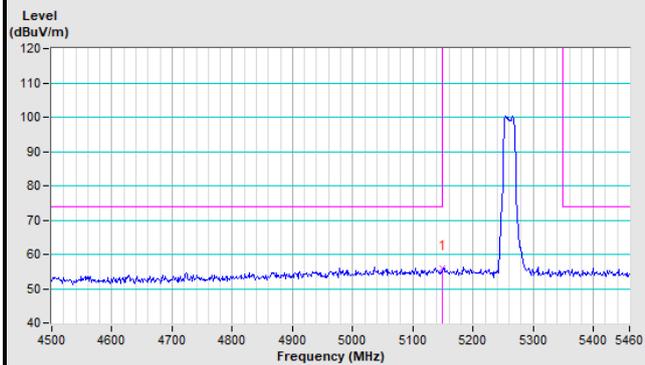
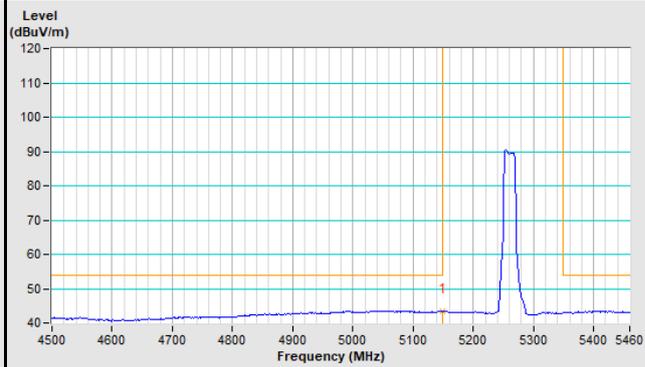


### Ch 52

#### Horizontal

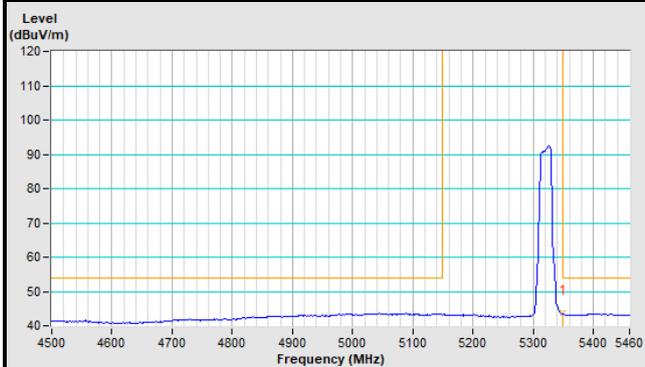


#### Vertical

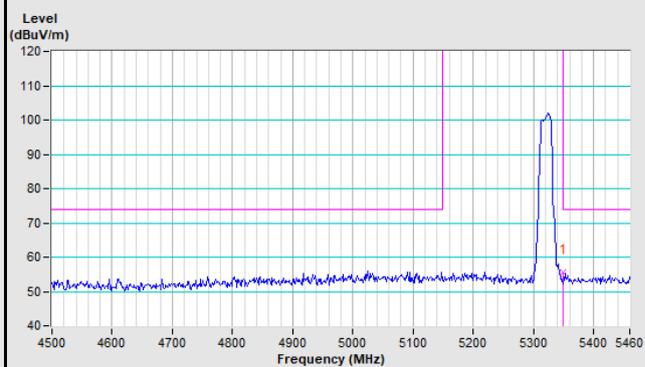
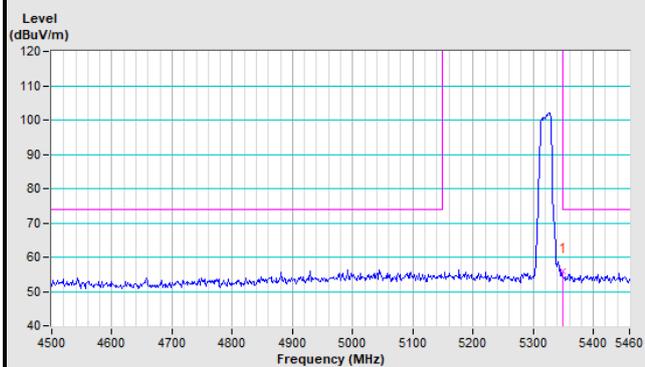
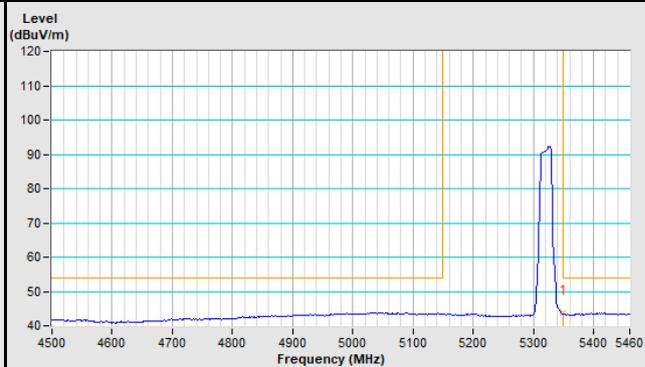


### Ch 64

#### Horizontal



#### Vertical

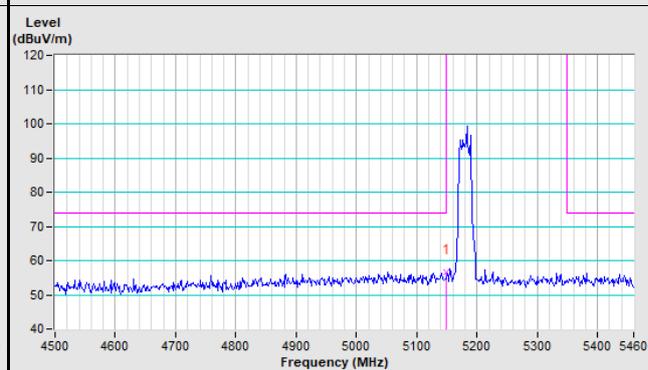
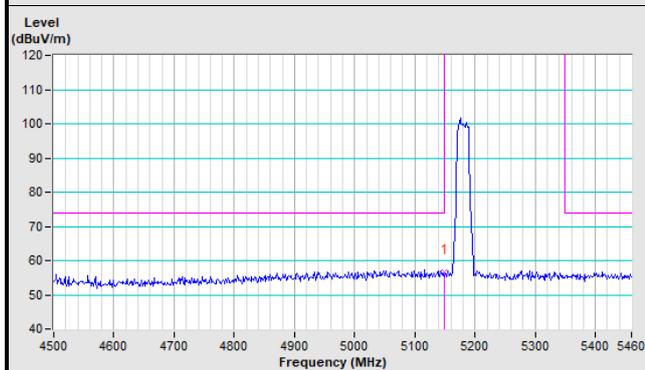
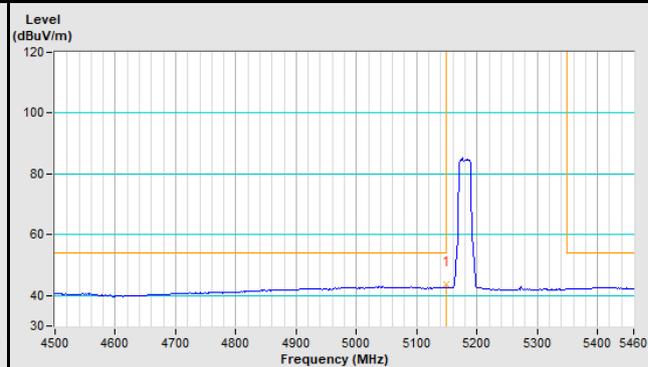
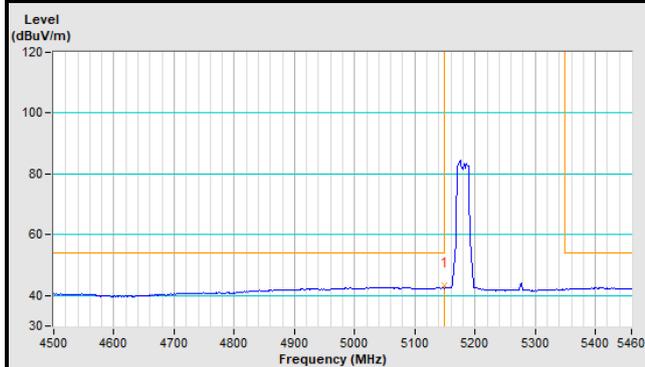


802.11ax (HE20)

Ch 36

Horizontal

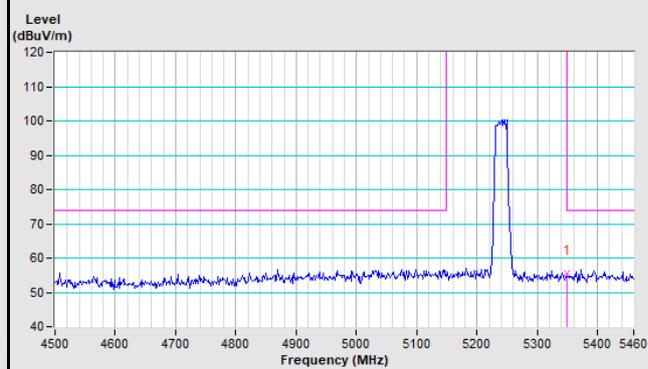
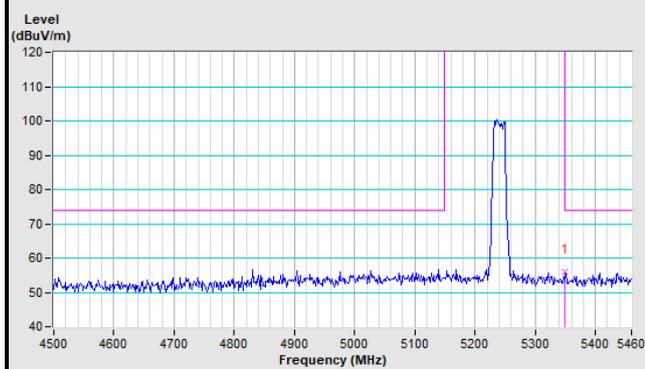
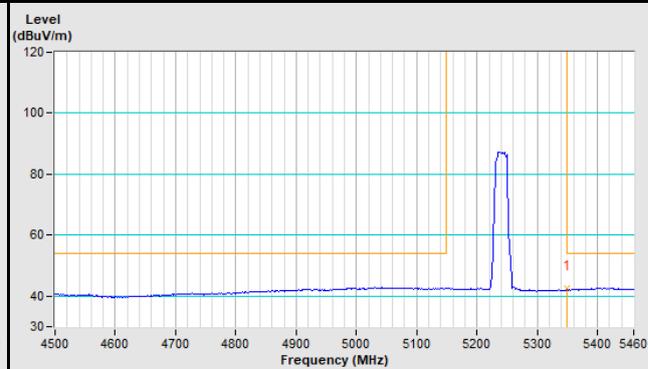
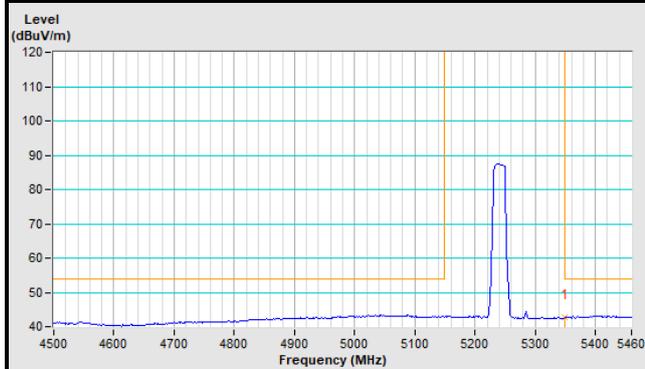
Vertical



Ch 48

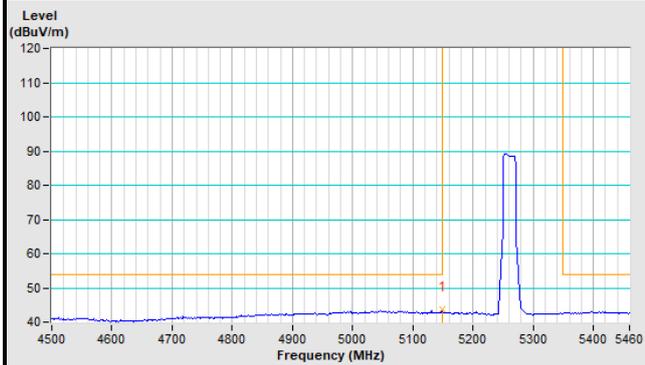
Horizontal

Vertical

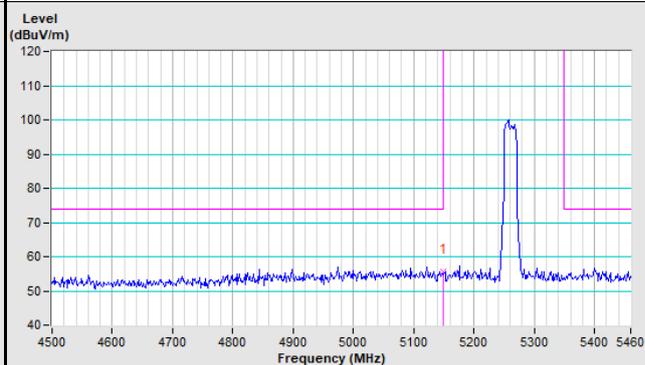
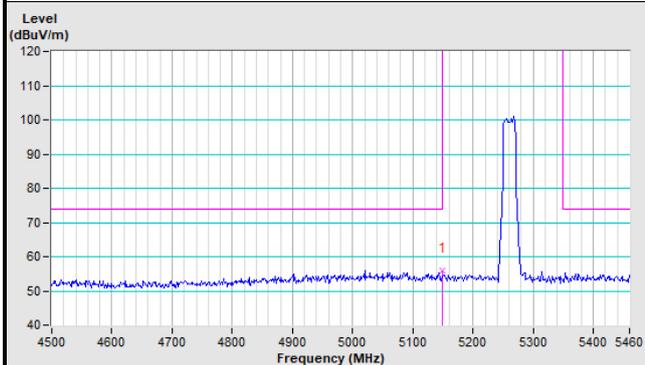
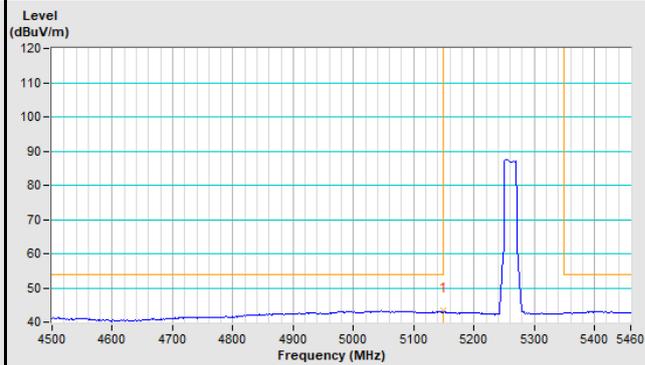


### Ch 52

#### Horizontal

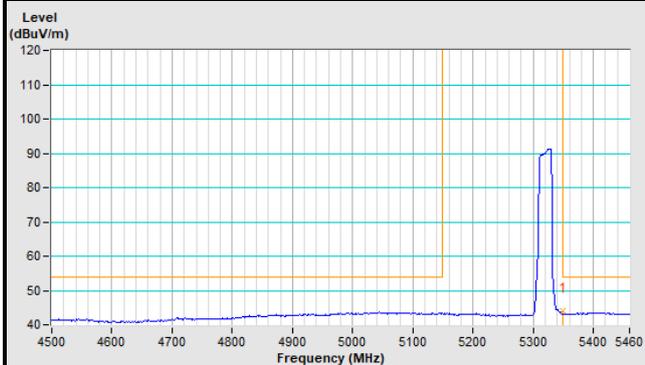


#### Vertical

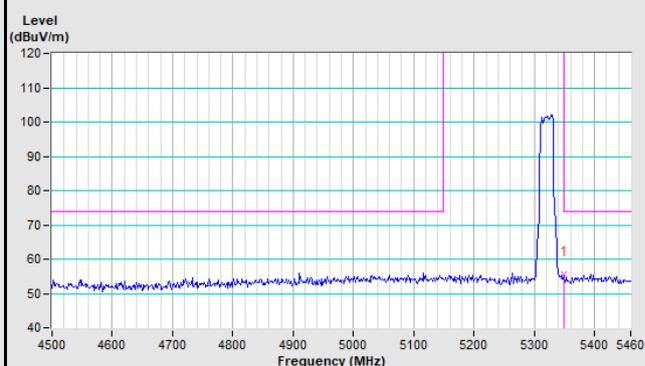
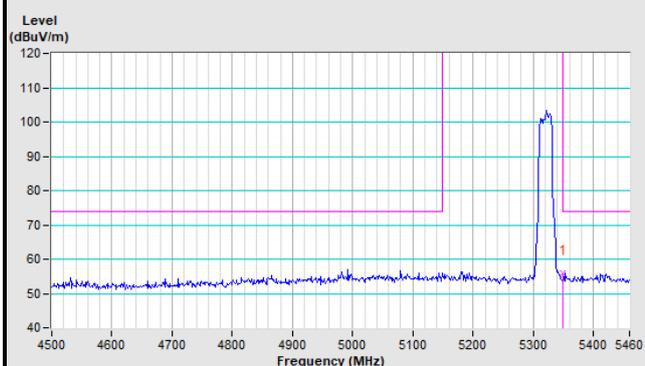
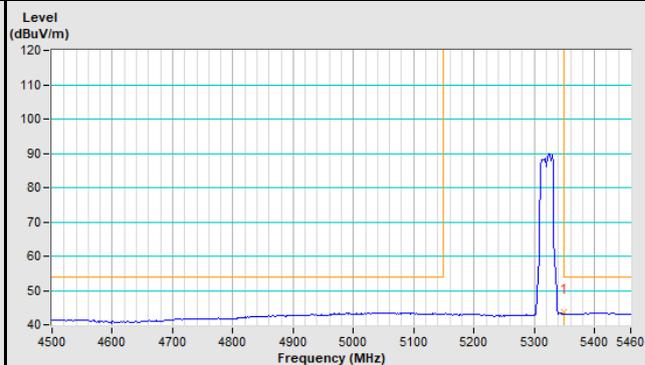


### Ch 64

#### Horizontal



#### Vertical

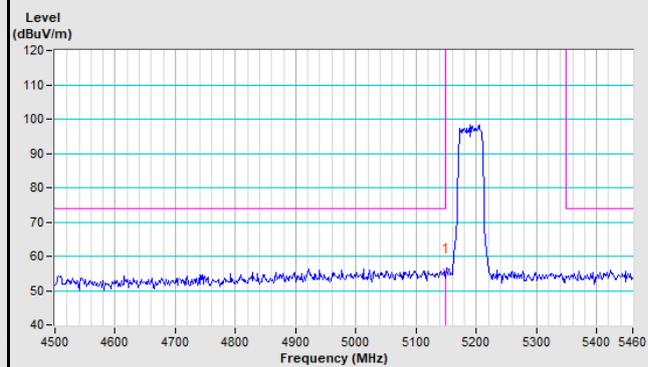
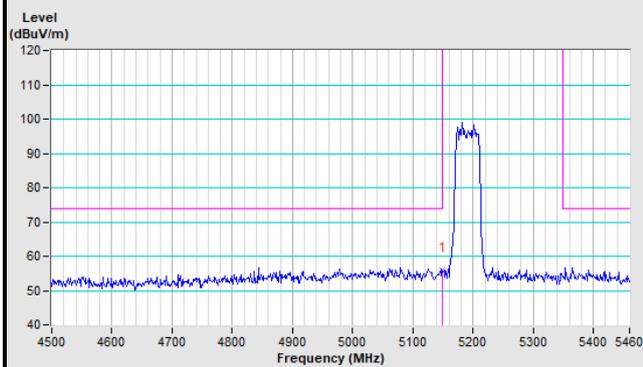
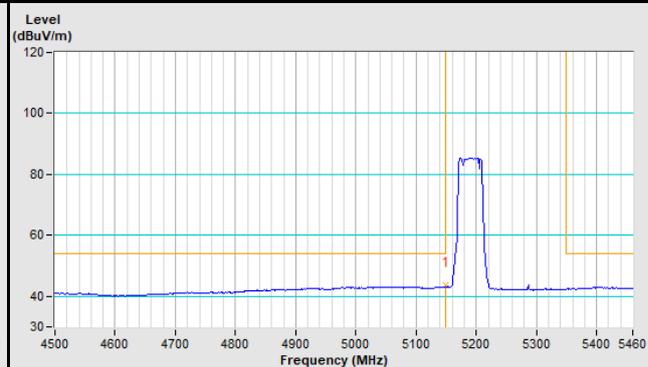
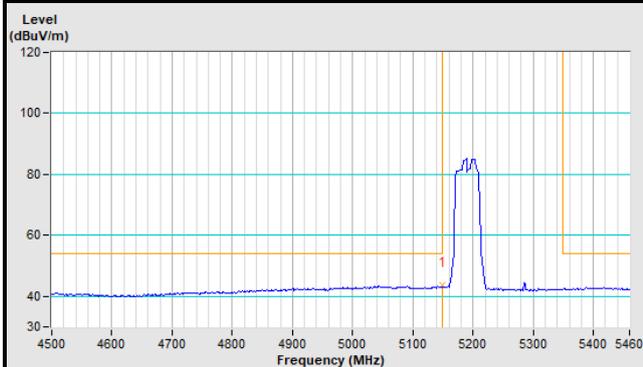


802.11ax (HE40)

Ch 38

Horizontal

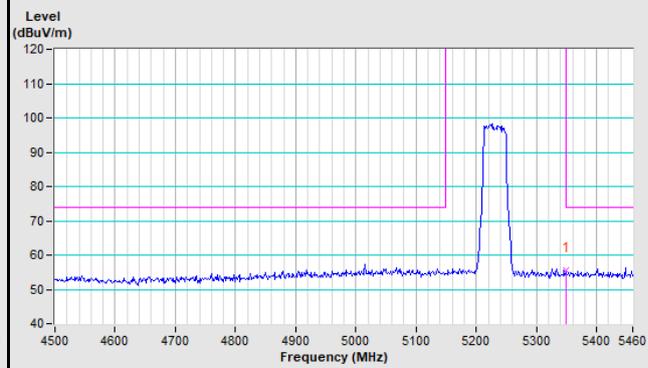
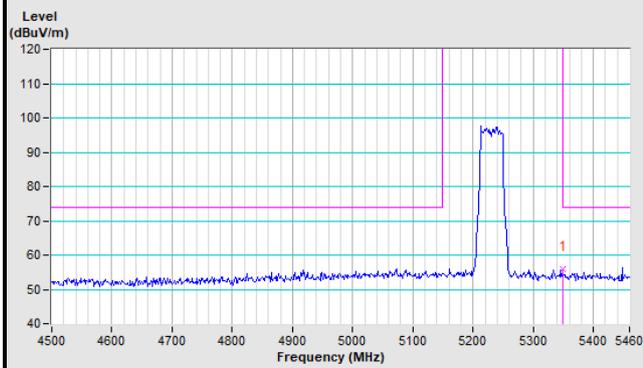
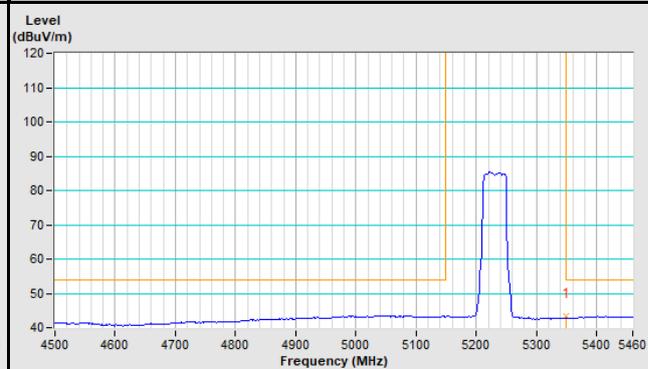
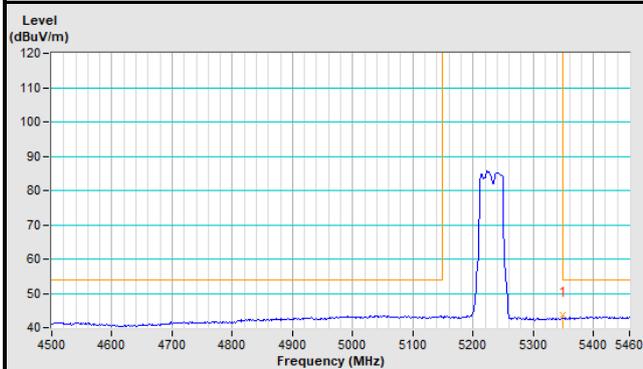
Vertical



Ch 46

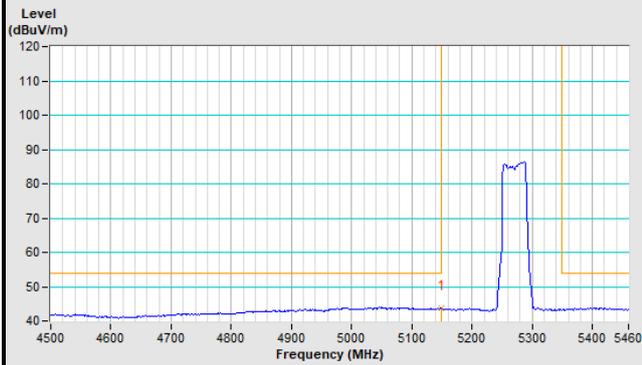
Horizontal

Vertical

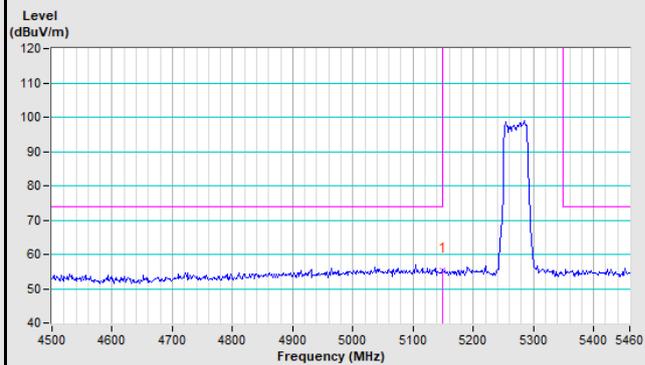
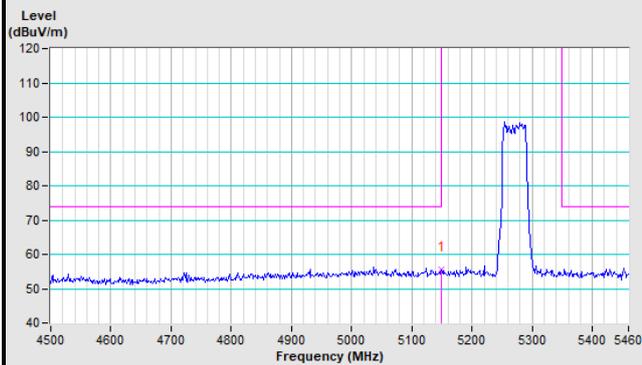
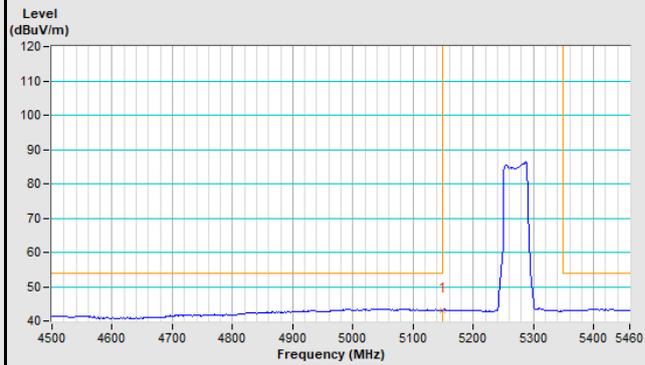


### Ch 54

#### Horizontal

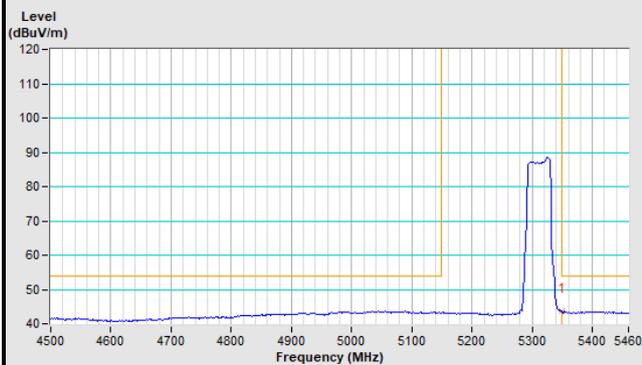


#### Vertical

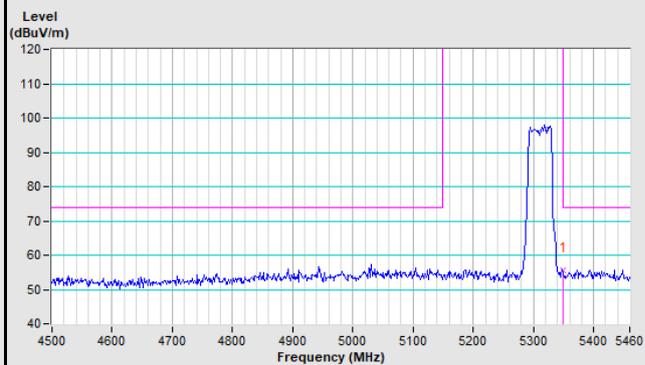
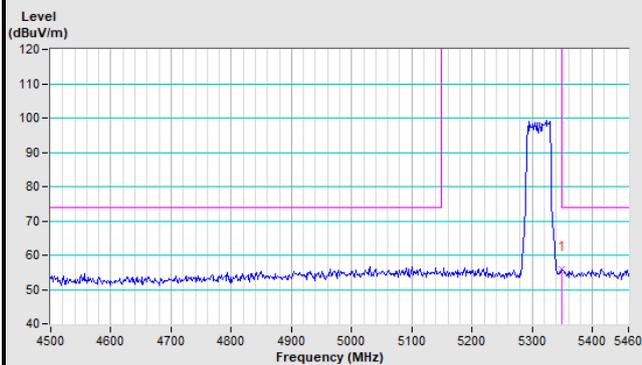
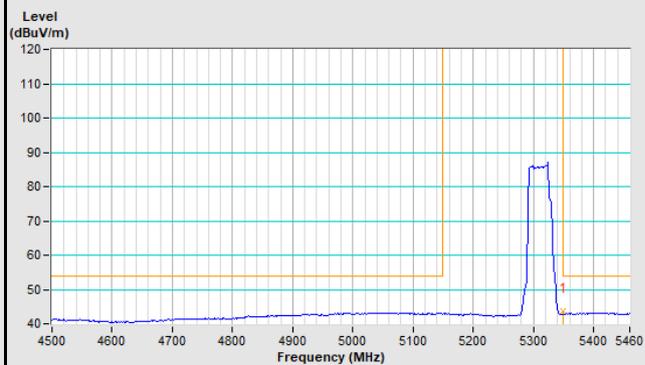


### Ch 62

#### Horizontal



#### Vertical

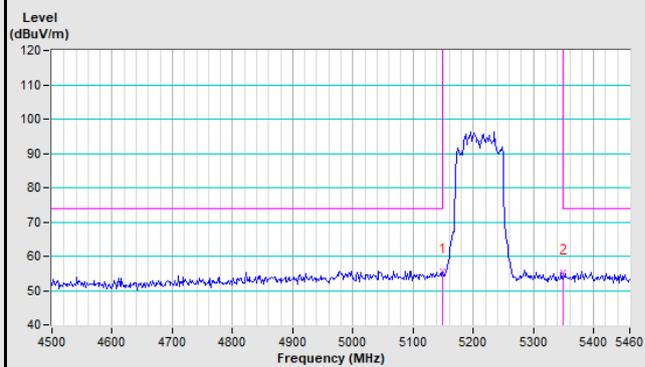
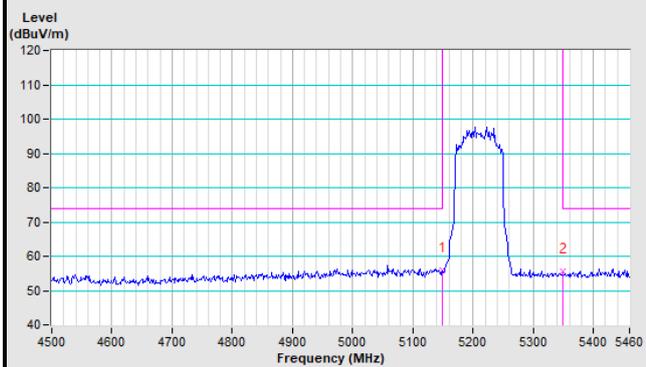
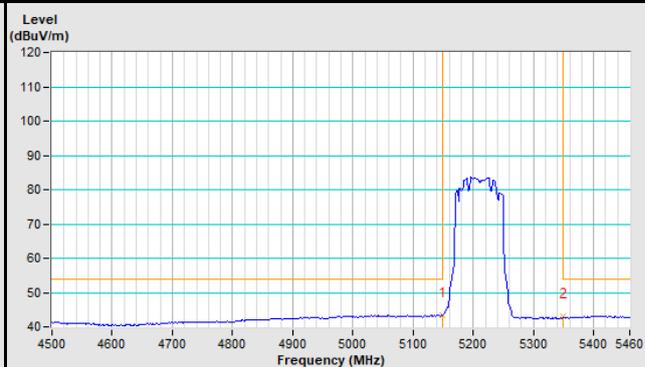
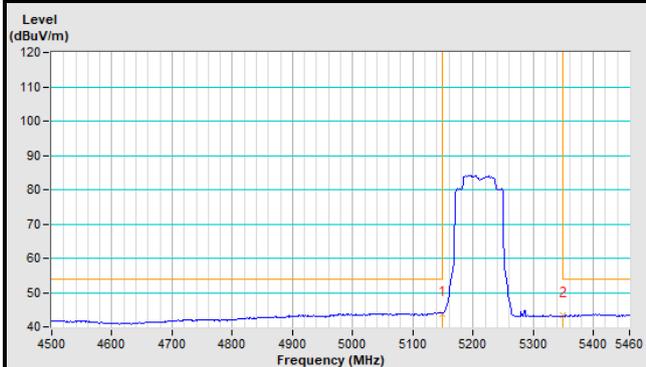


802.11ax (HE80)

Ch 42

Horizontal

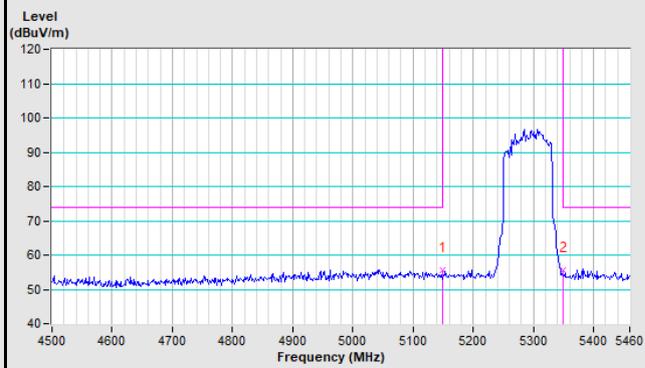
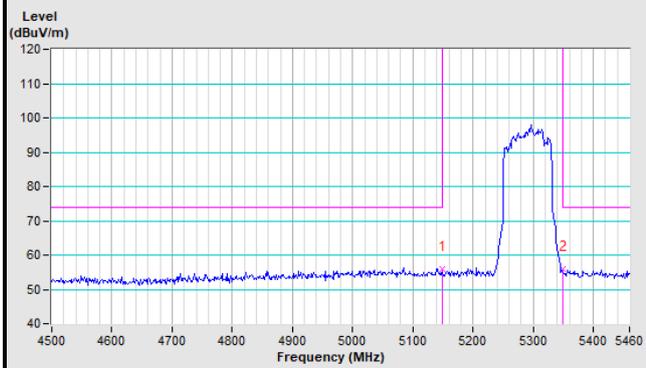
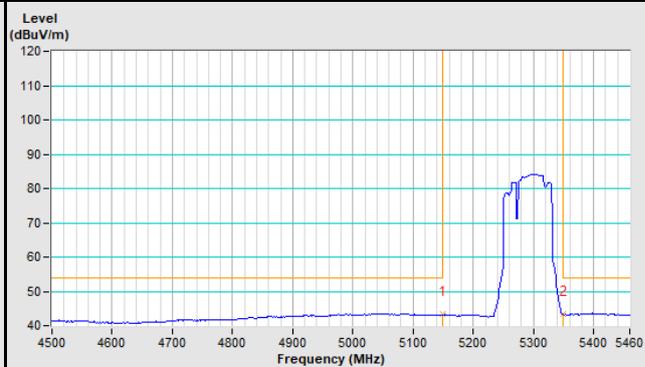
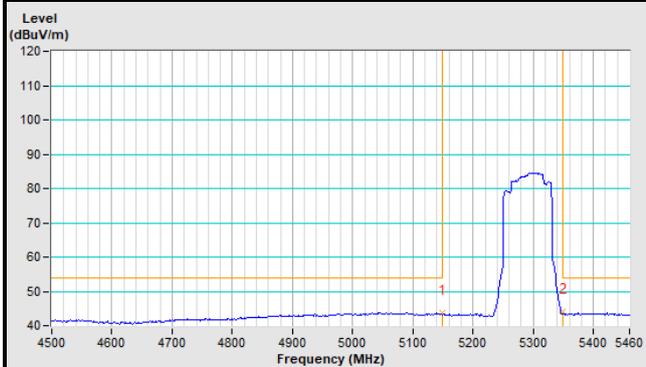
Vertical



Ch 58

Horizontal

Vertical

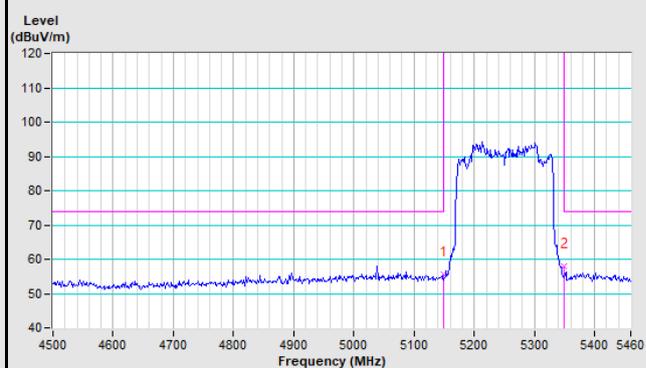
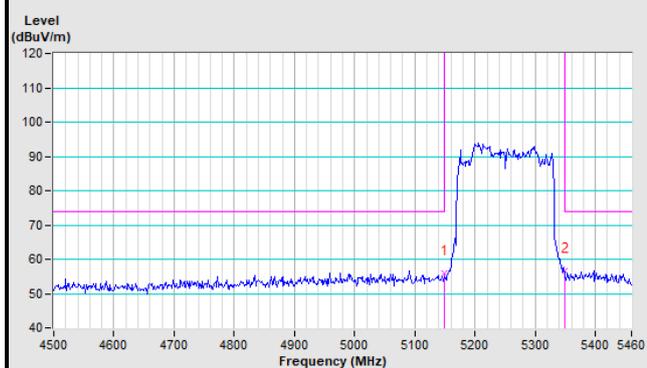
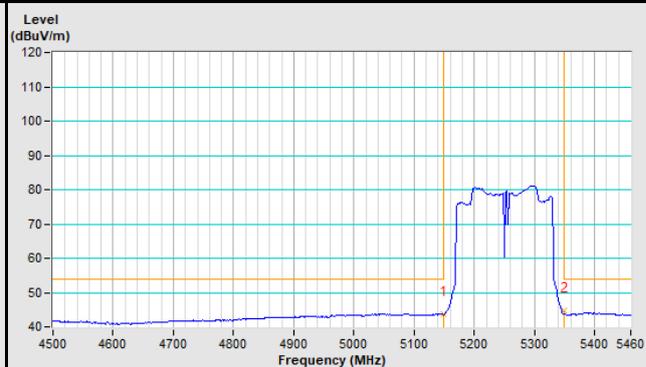
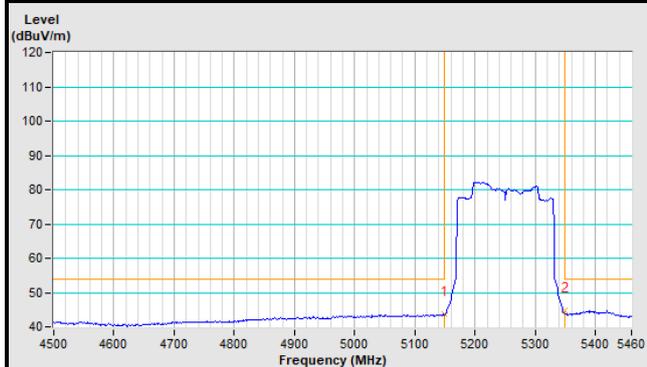


802.11ax (HE160)

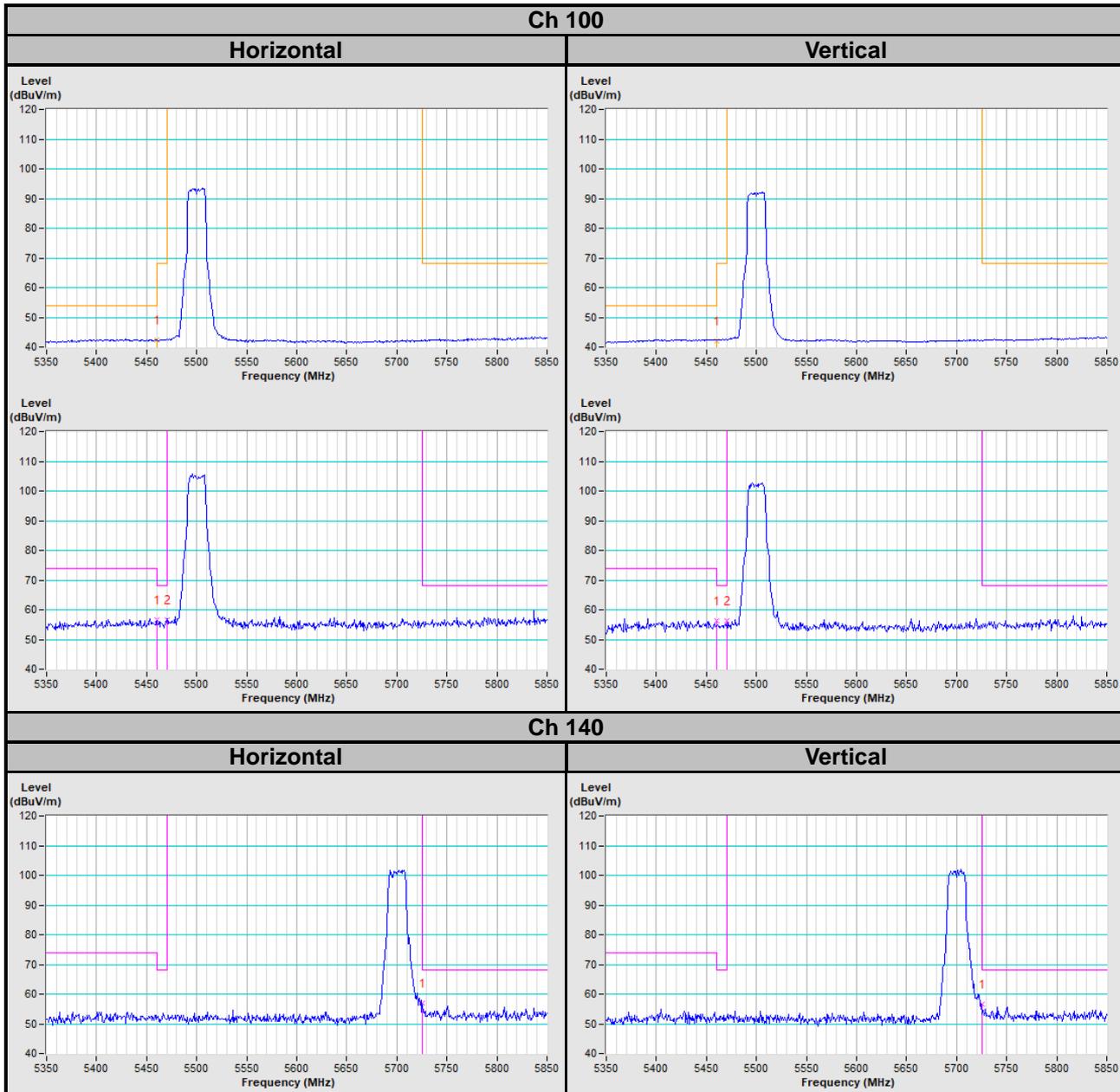
Ch 50

Horizontal

Vertical



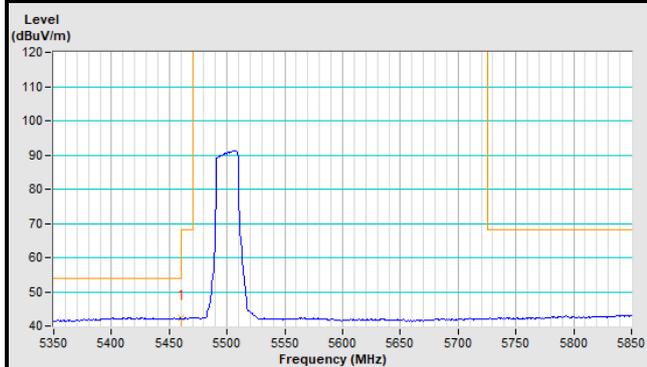
For 5500 ~ 5720 MHz  
802.11a



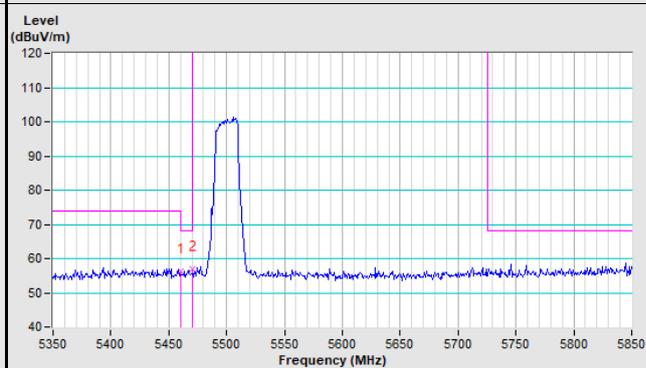
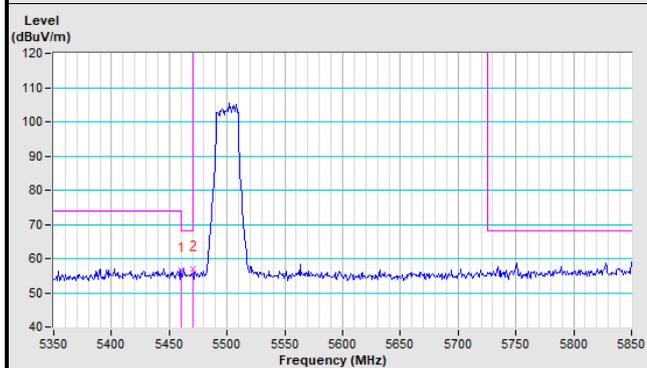
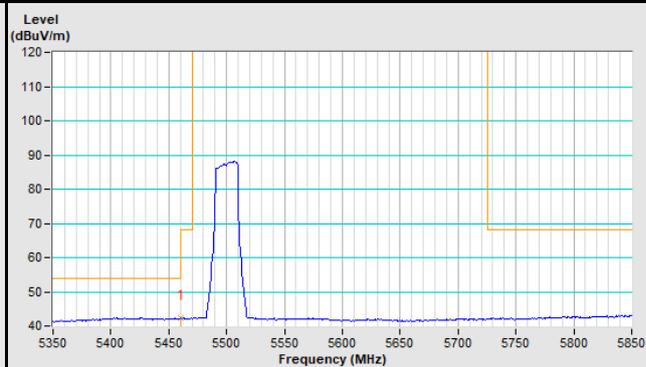
802.11ax (HE20)

Ch 100

Horizontal

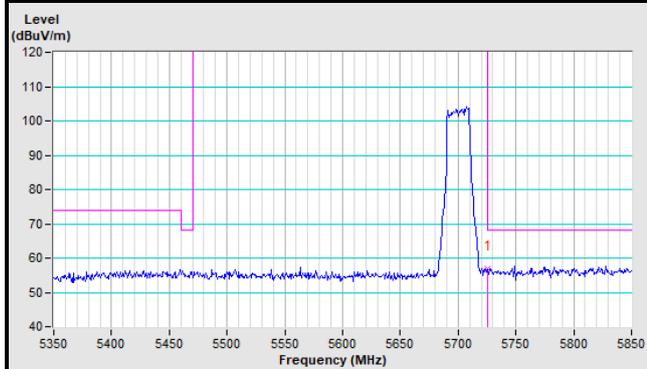


Vertical

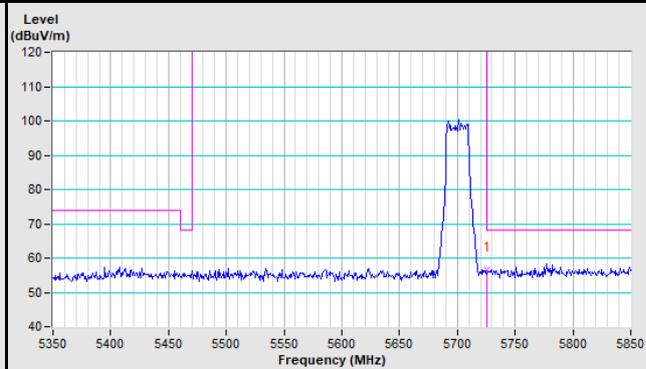


Ch 140

Horizontal



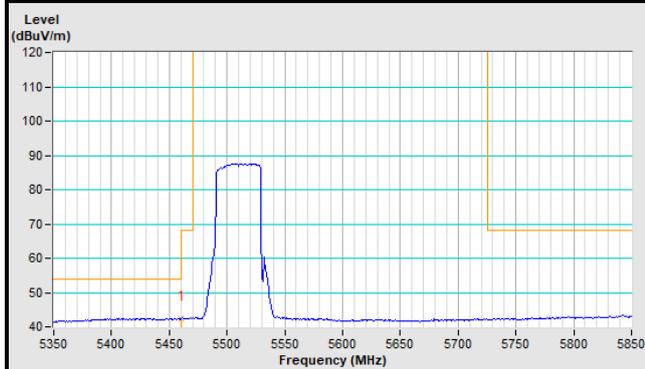
Vertical



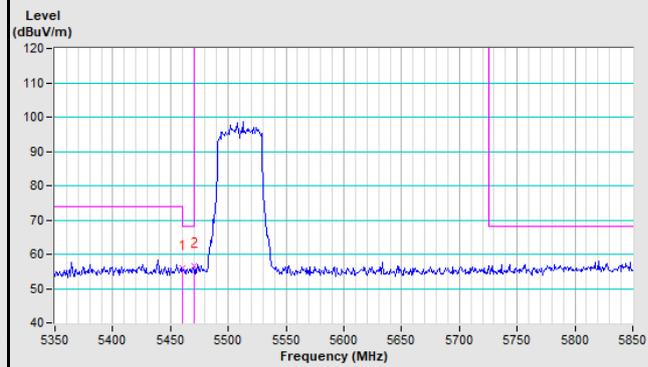
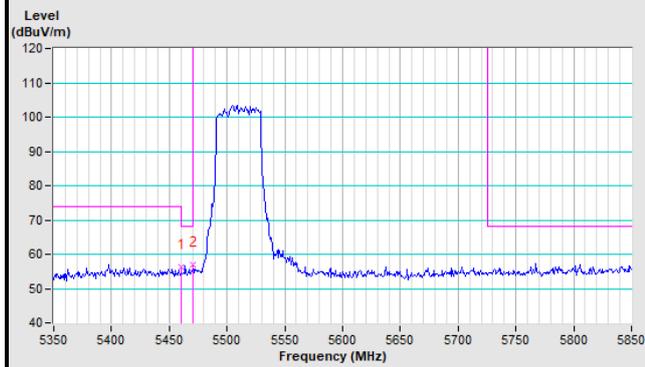
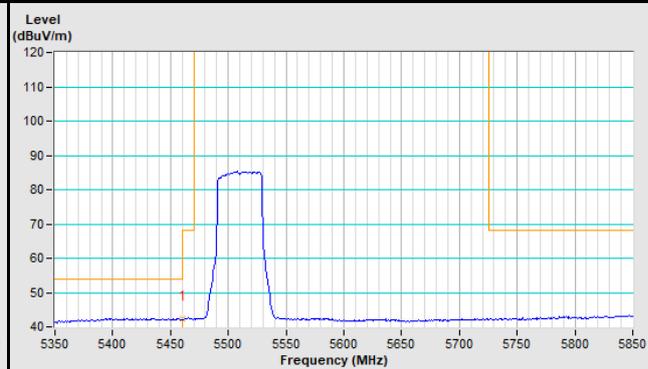
802.11ax (HE40)

Ch 102

Horizontal

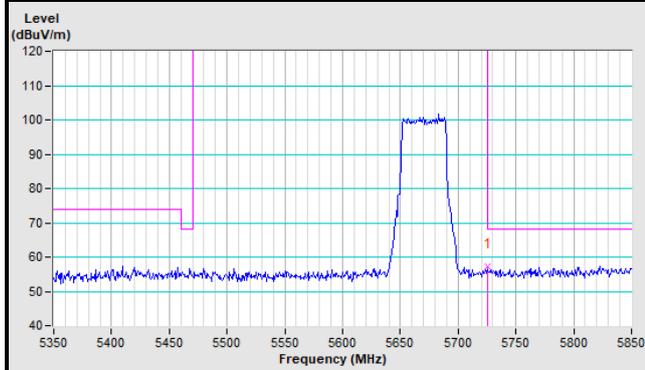


Vertical

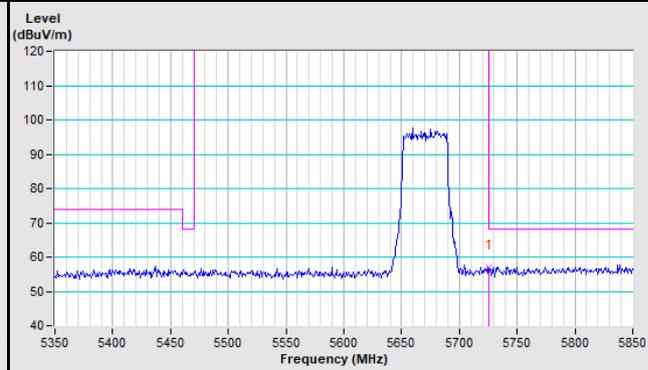


Ch 134

Horizontal



Vertical

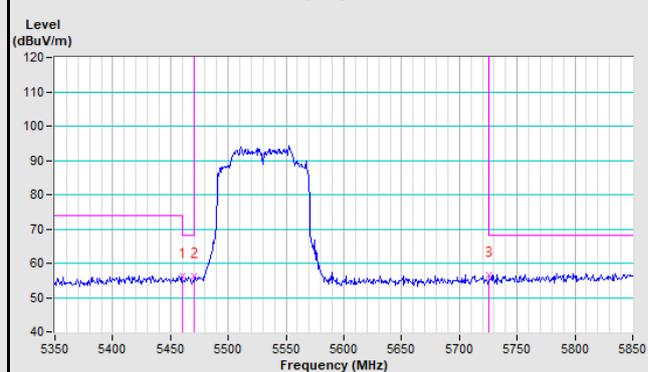
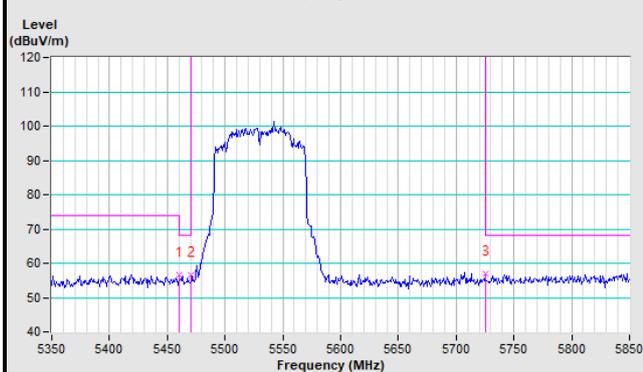
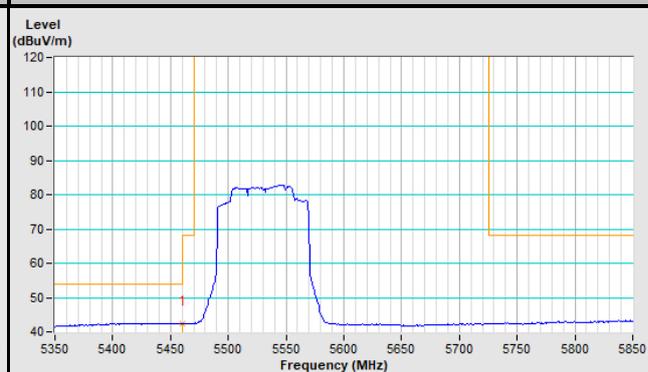
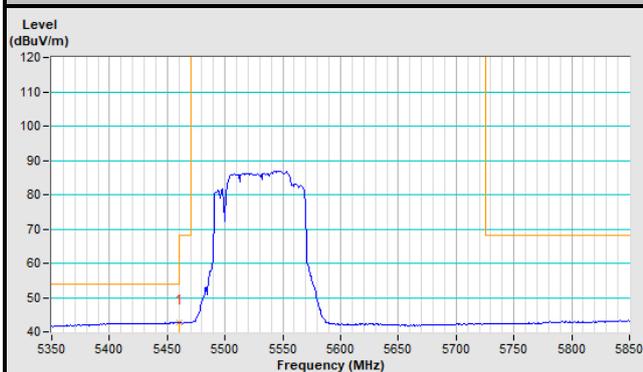


802.11ax (HE80)

Ch 106

Horizontal

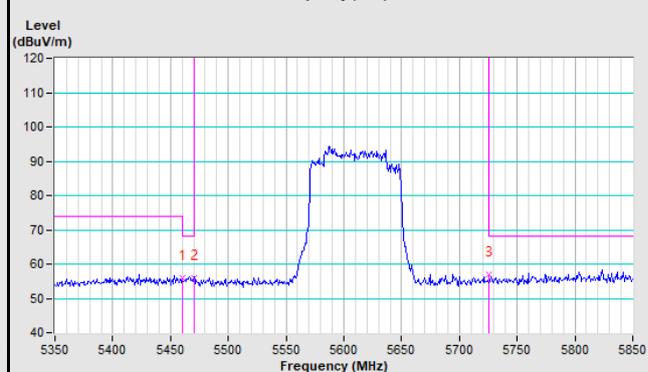
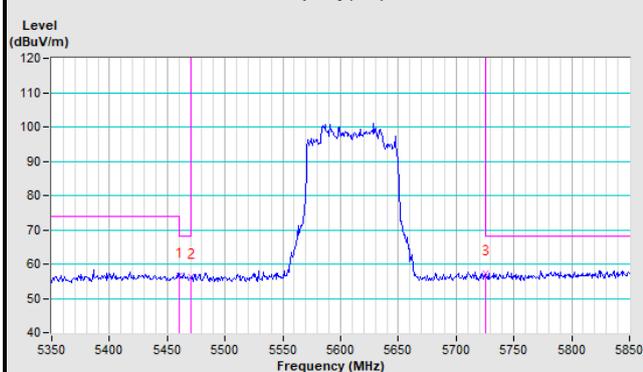
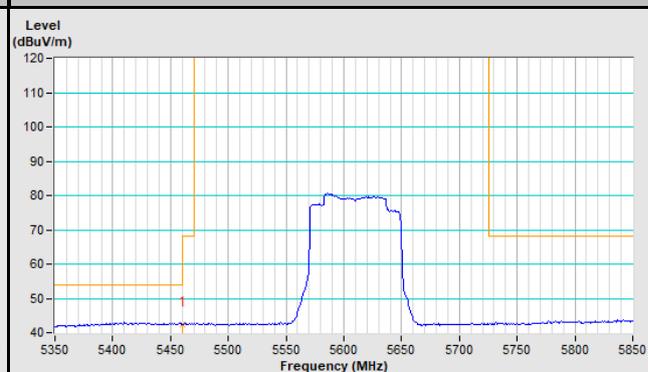
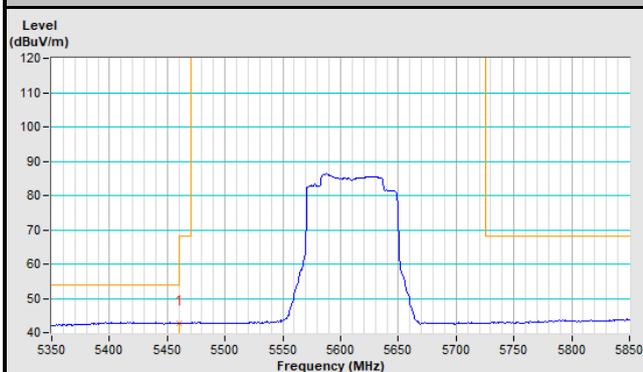
Vertical



Ch 122

Horizontal

Vertical

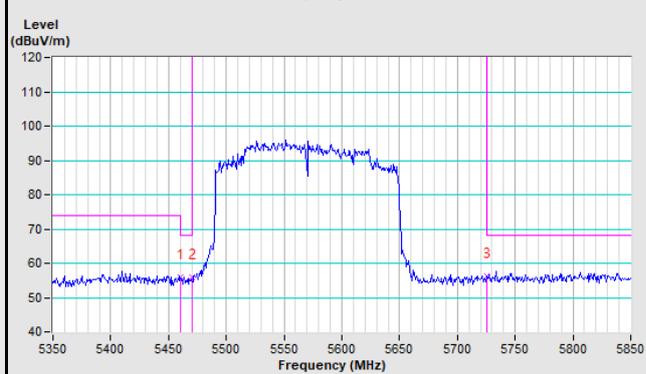
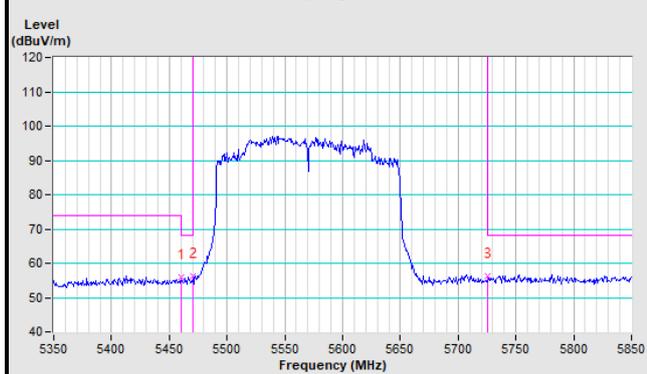
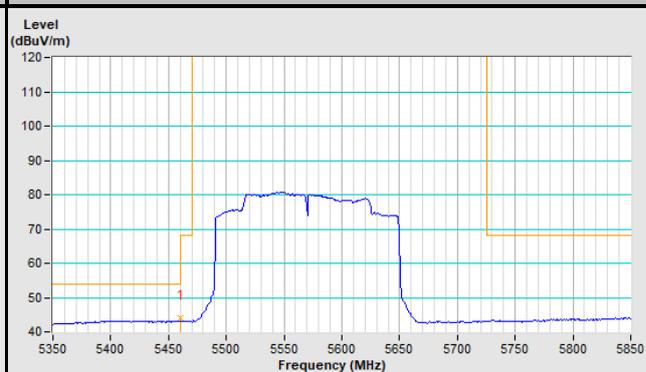
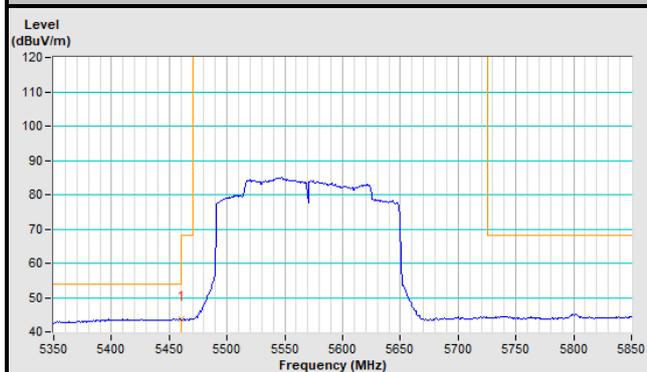


802.11ax (HE160)

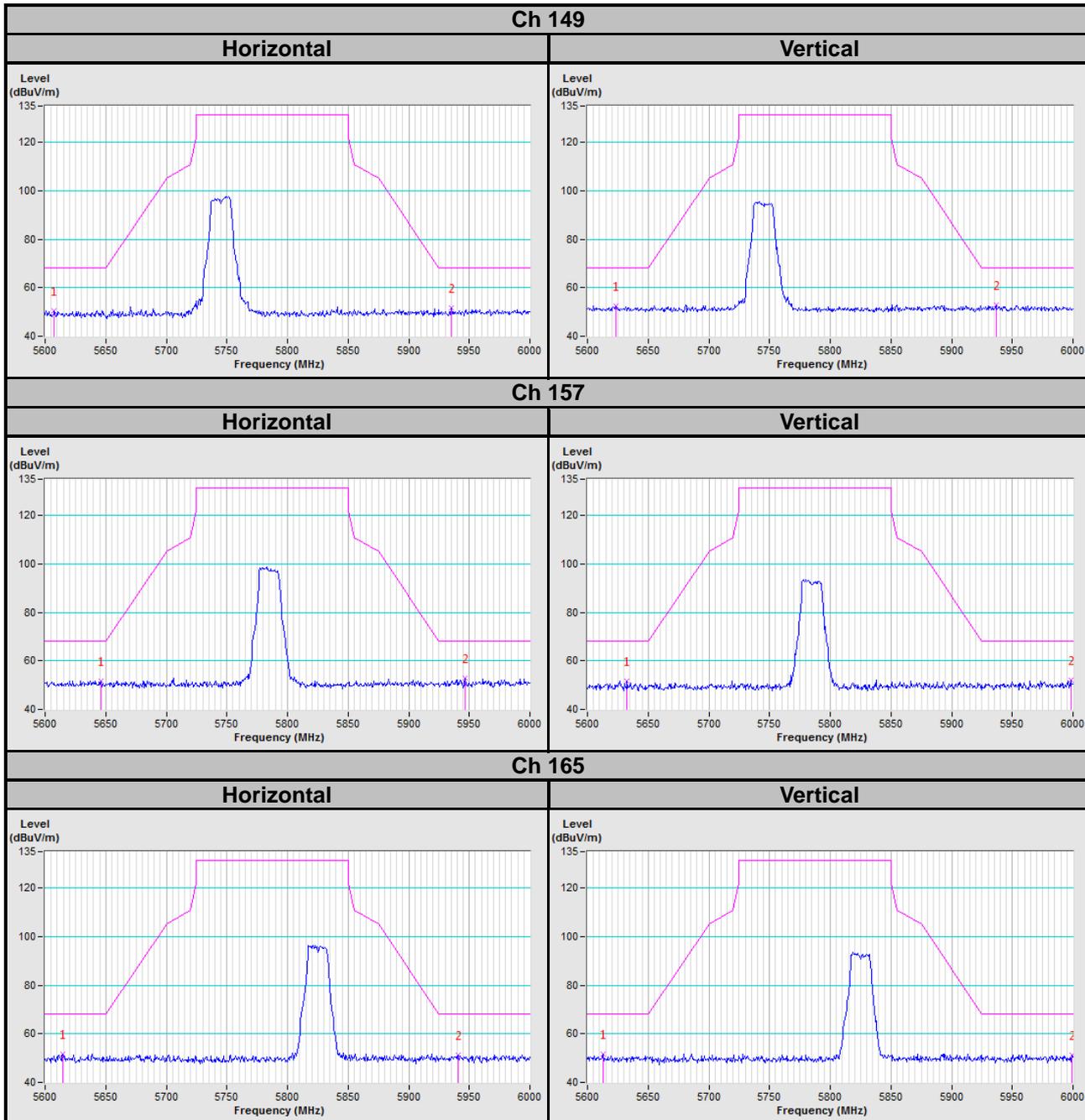
Ch 114

Horizontal

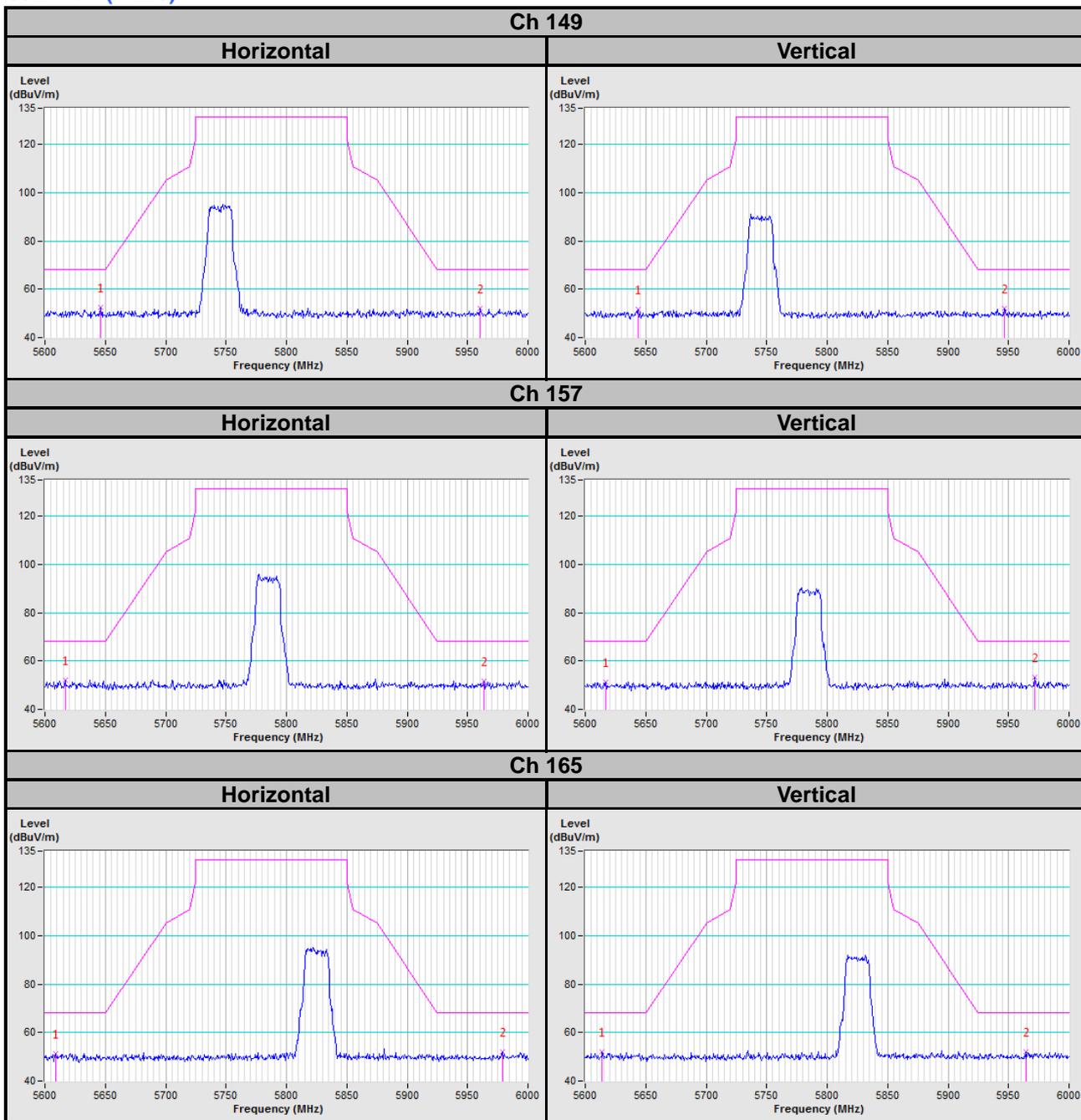
Vertical



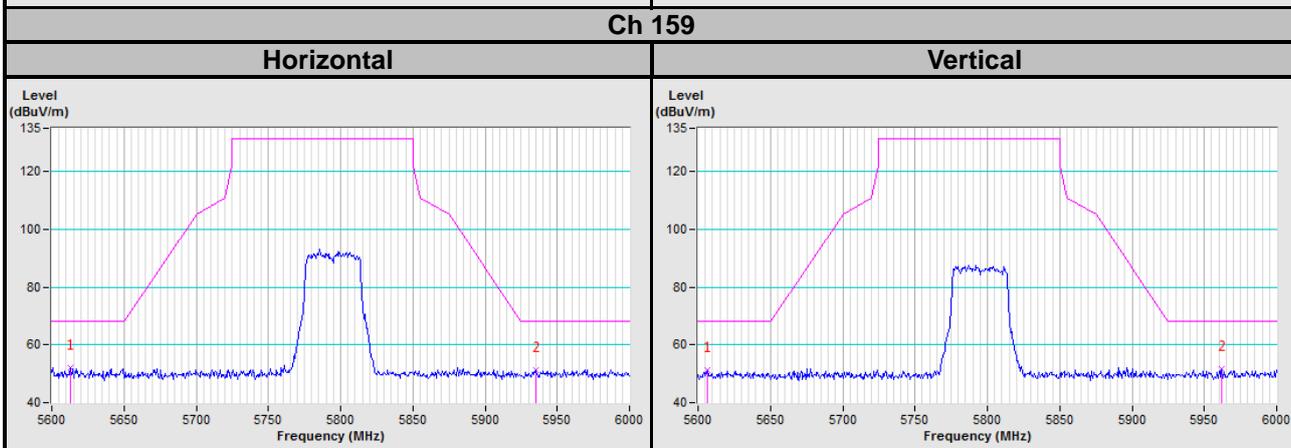
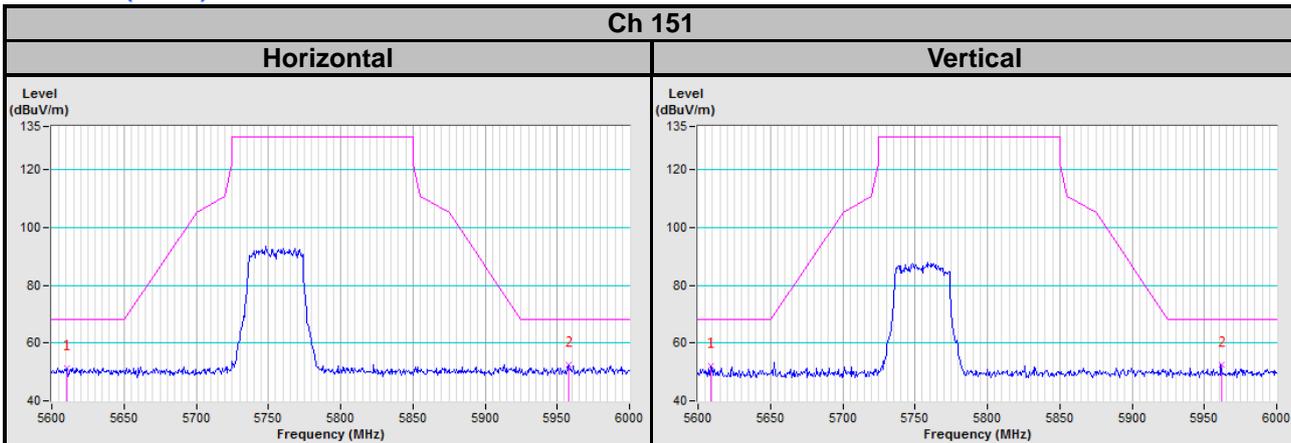
For 5745 ~ 5825 MHz:  
802.11a



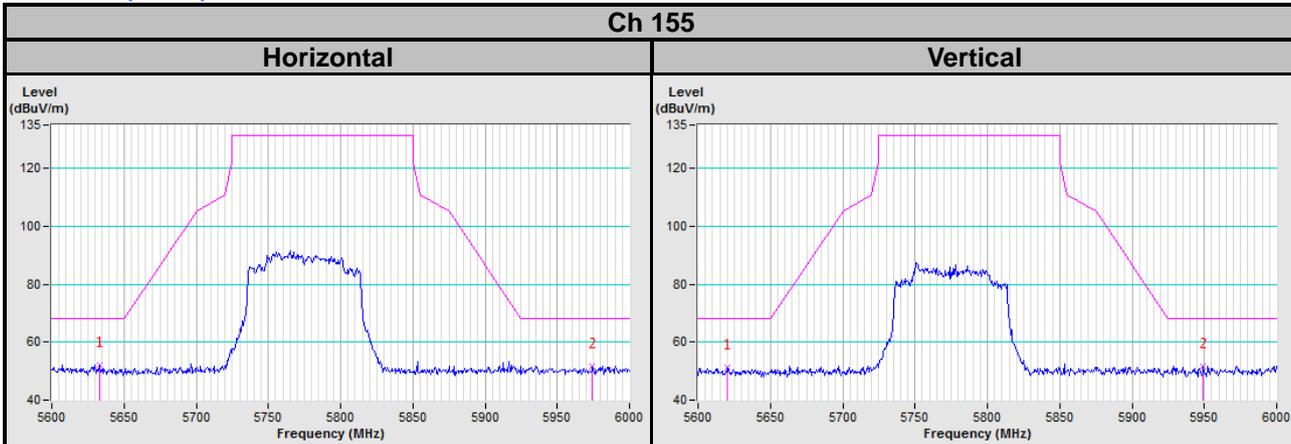
802.11ax (HE20)



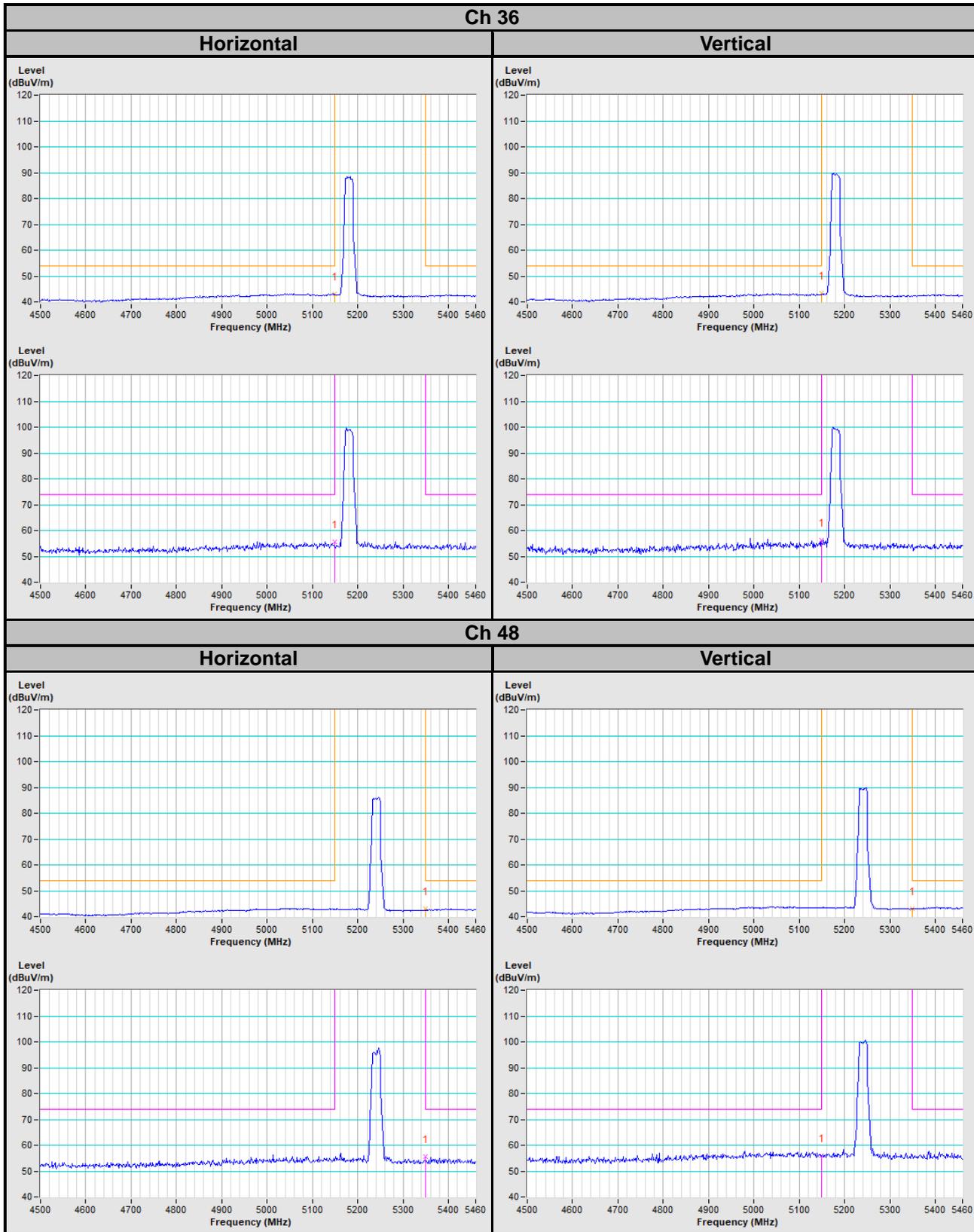
802.11ax (HE40)



802.11ax (HE80)

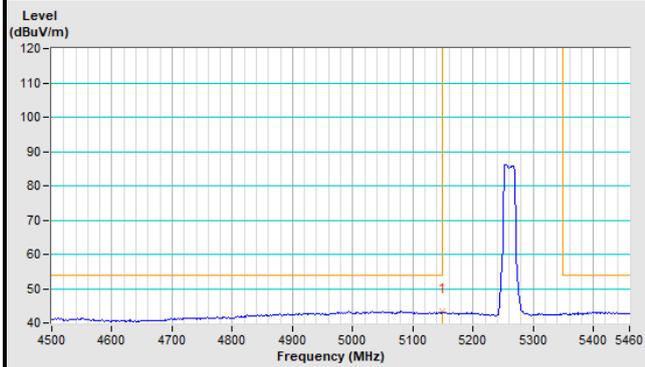


**Mode B**  
**For 5180 ~ 5320 MHz**  
**802.11a**

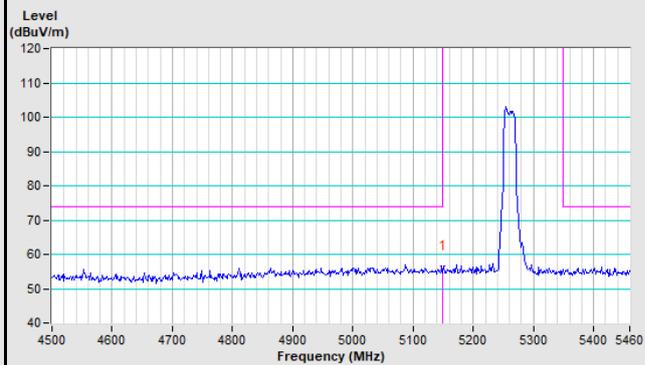
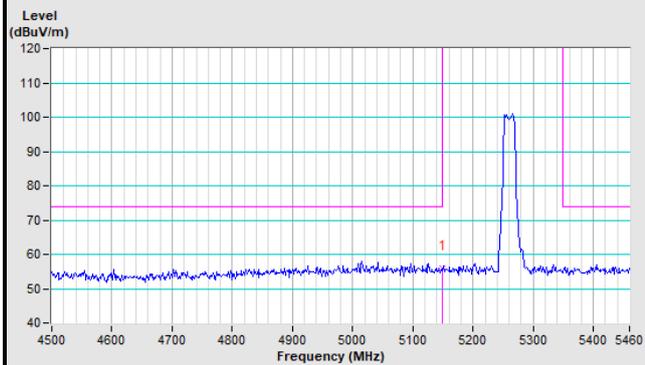
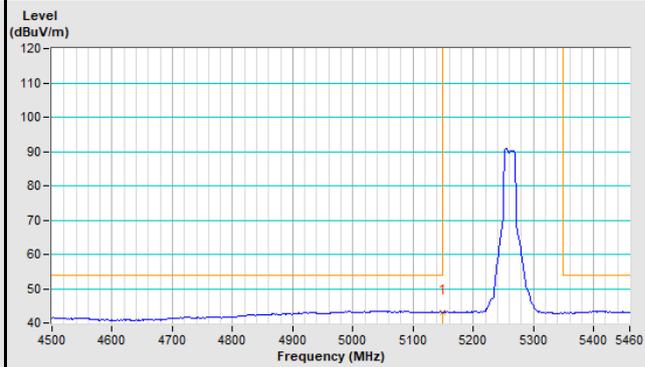


### Ch 52

#### Horizontal

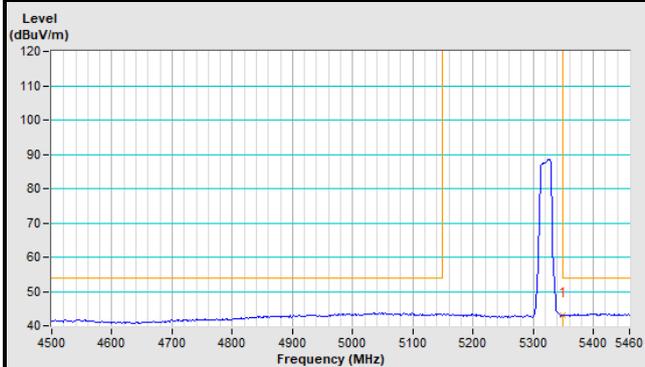


#### Vertical

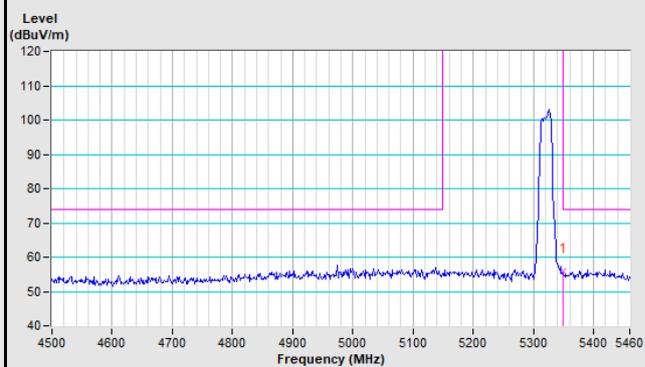
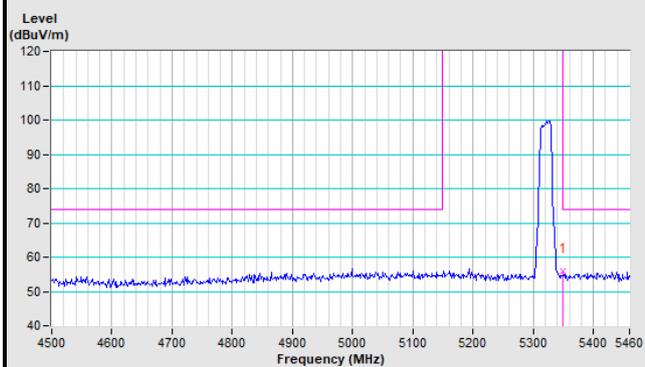
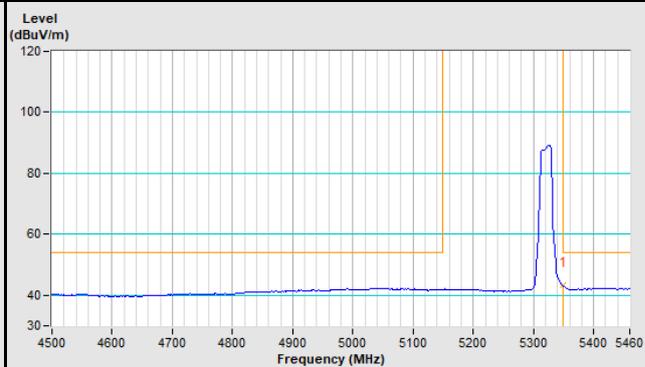


### Ch 64

#### Horizontal



#### Vertical

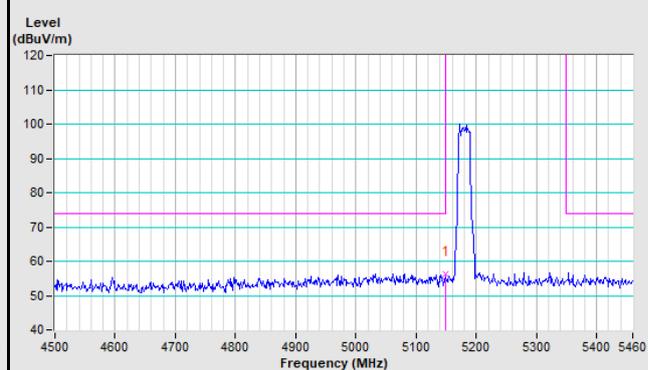
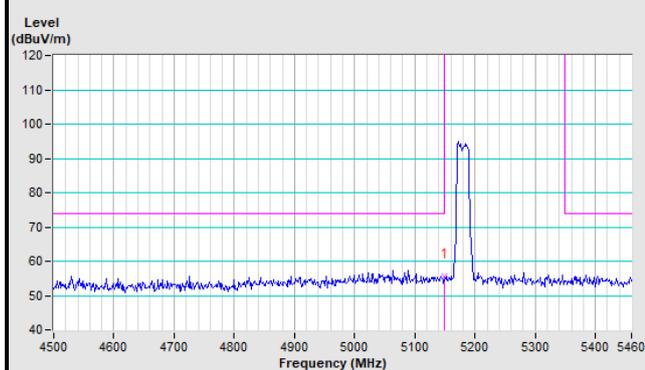
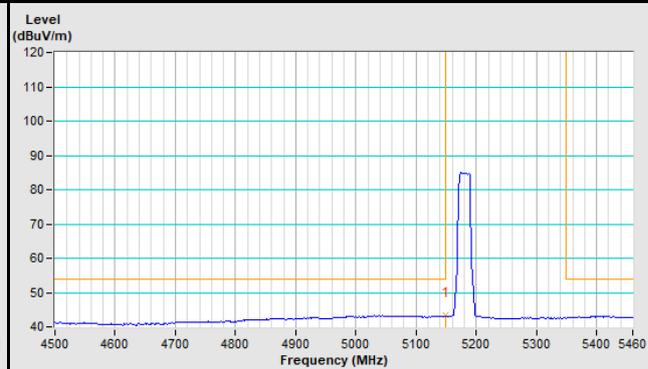
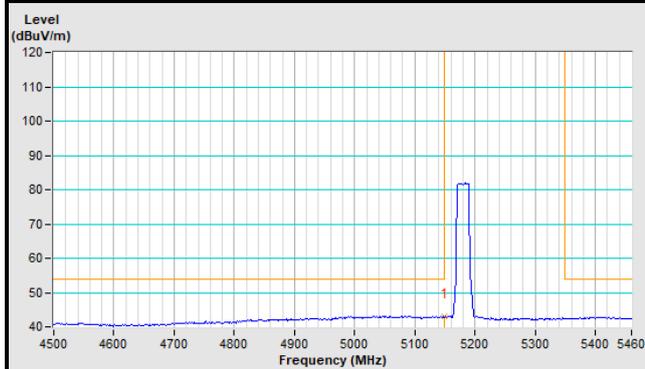


802.11ax (HE20)

Ch 36

Horizontal

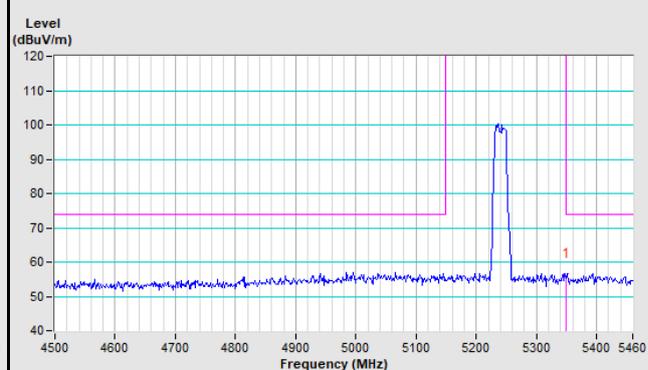
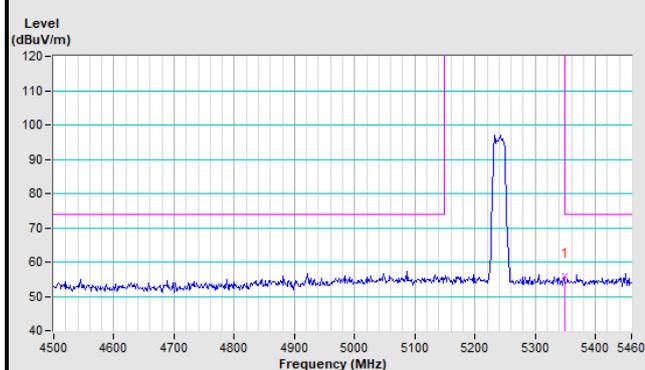
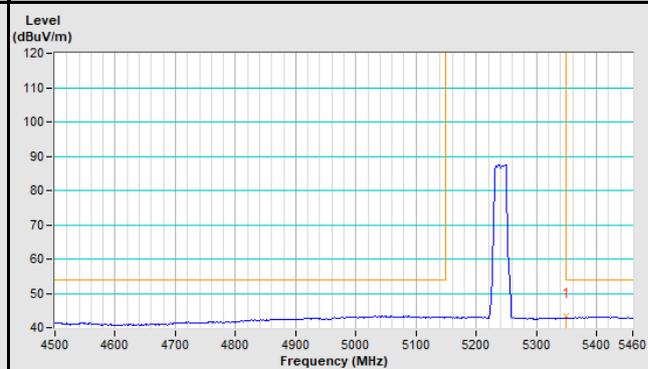
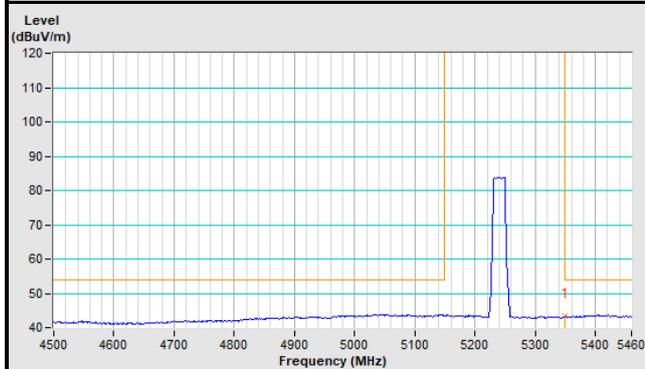
Vertical



Ch 48

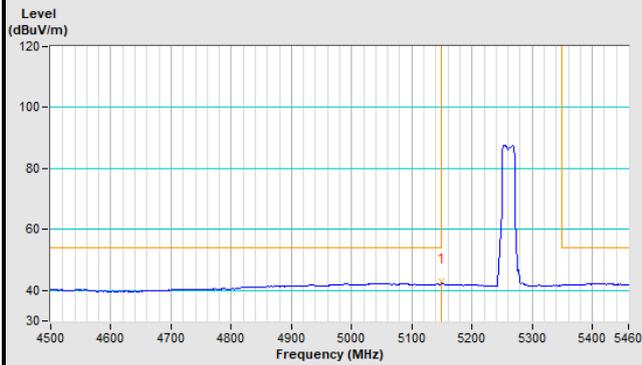
Horizontal

Vertical

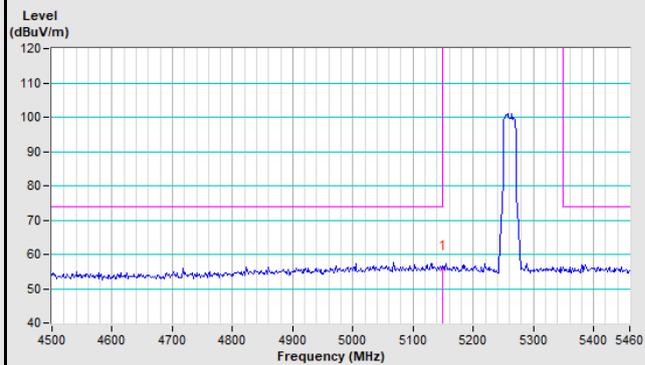
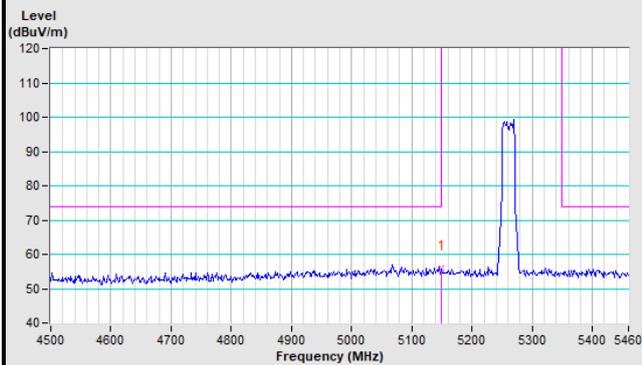
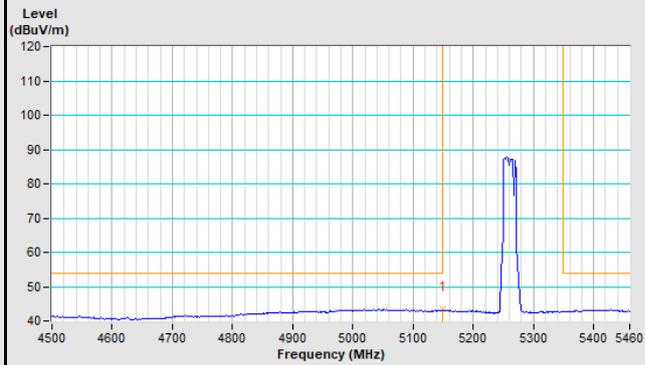


### Ch 52

#### Horizontal

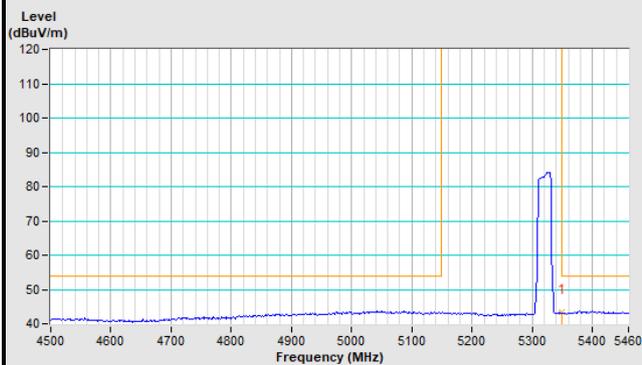


#### Vertical

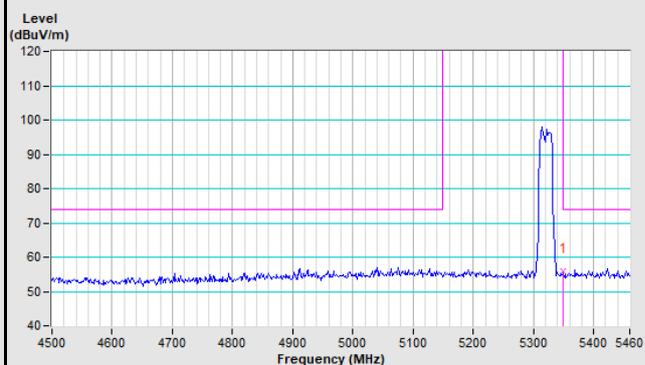
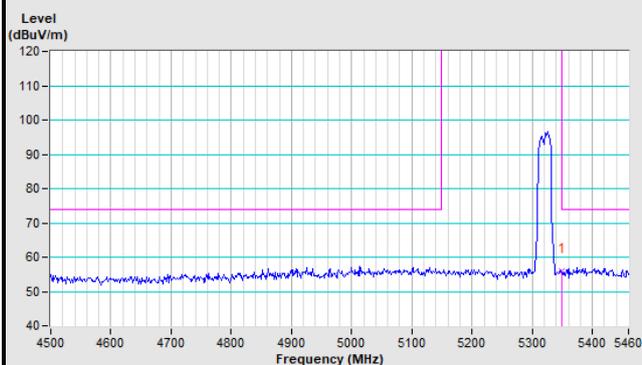
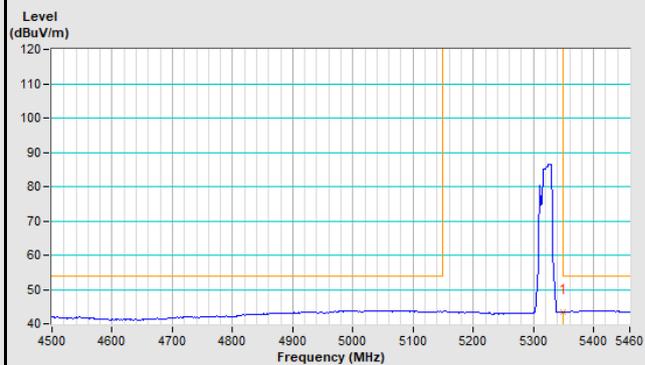


### Ch 64

#### Horizontal



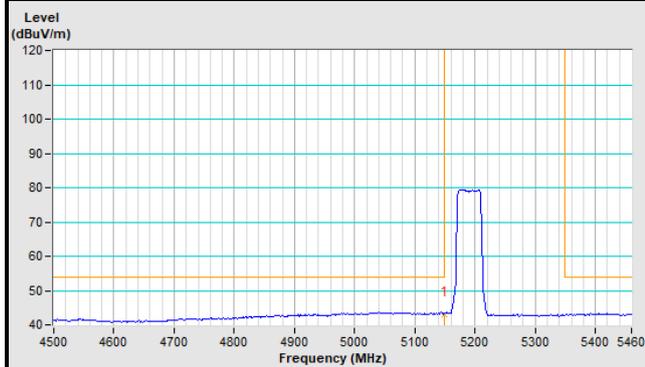
#### Vertical



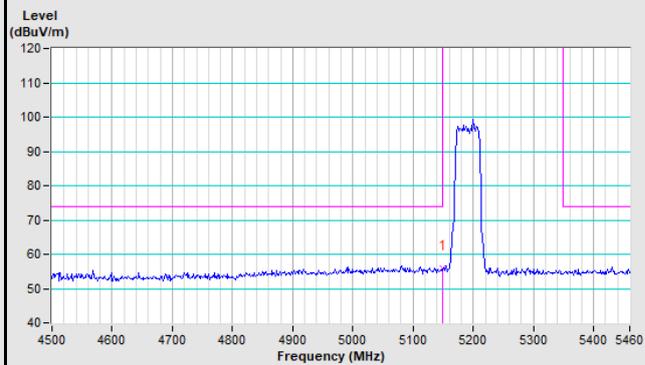
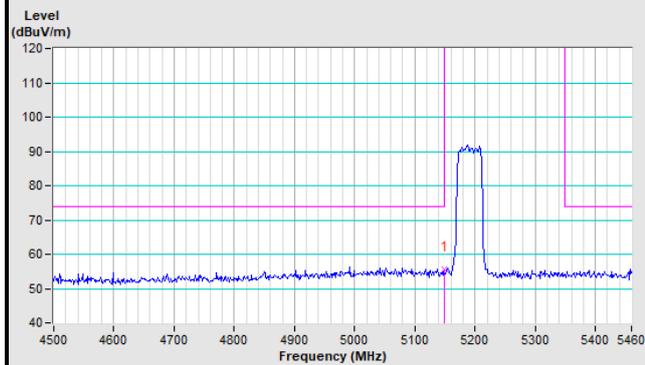
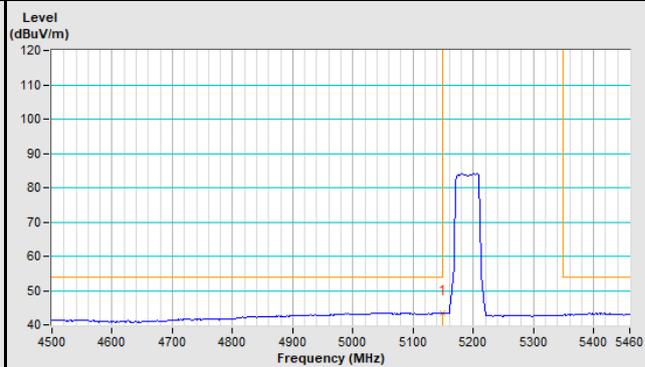
802.11ax (HE40)

Ch 38

Horizontal

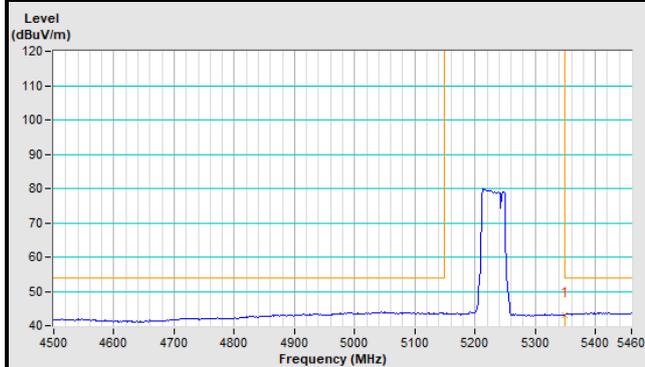


Vertical

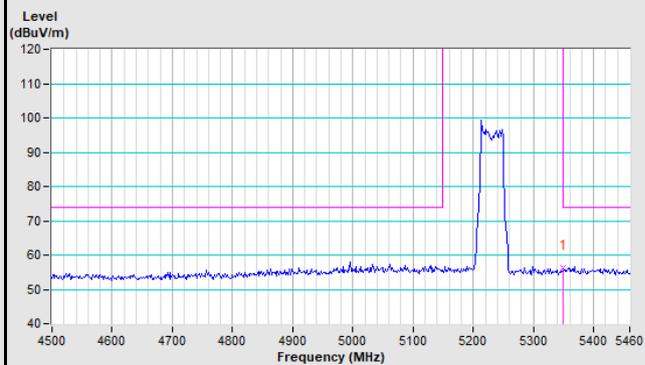
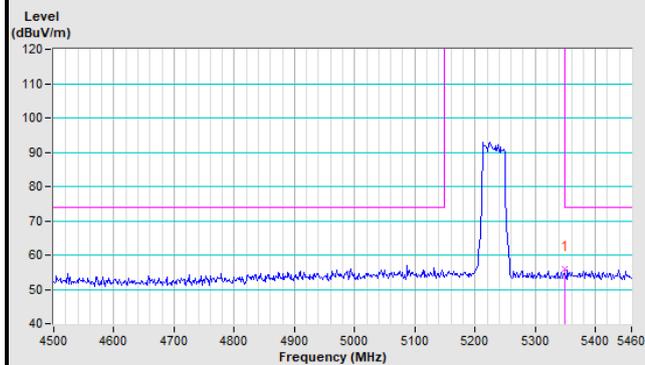
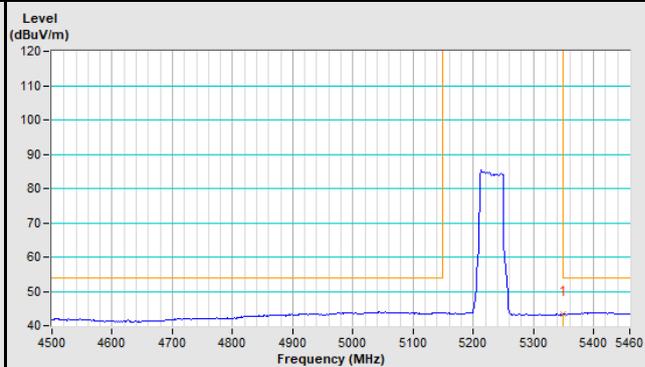


Ch 46

Horizontal

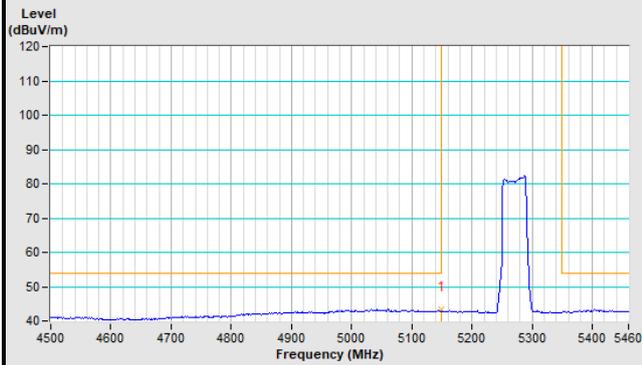


Vertical

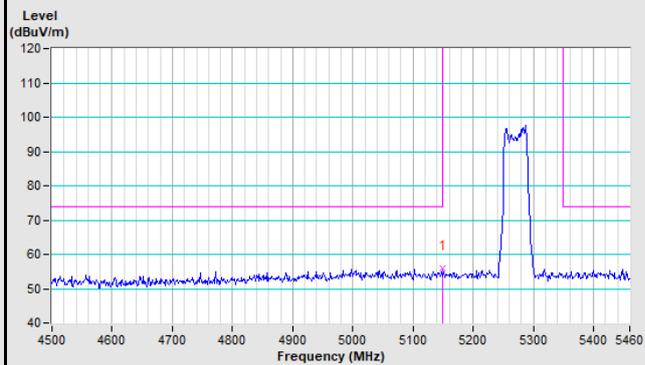
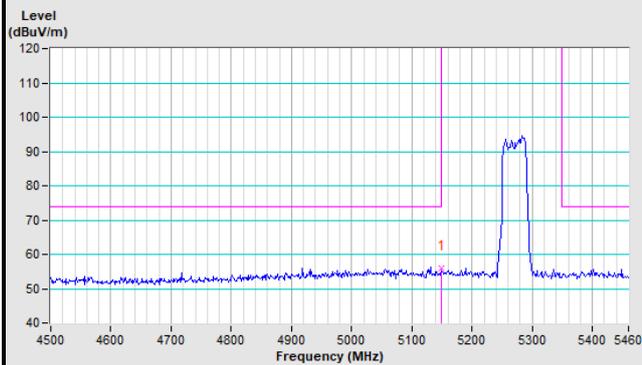
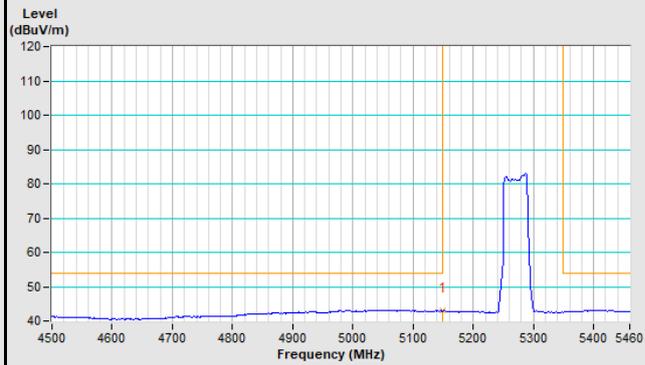


### Ch 54

#### Horizontal

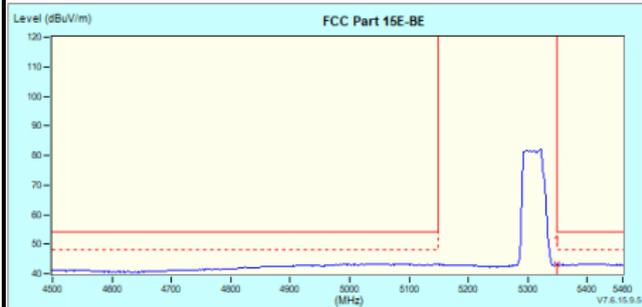


#### Vertical

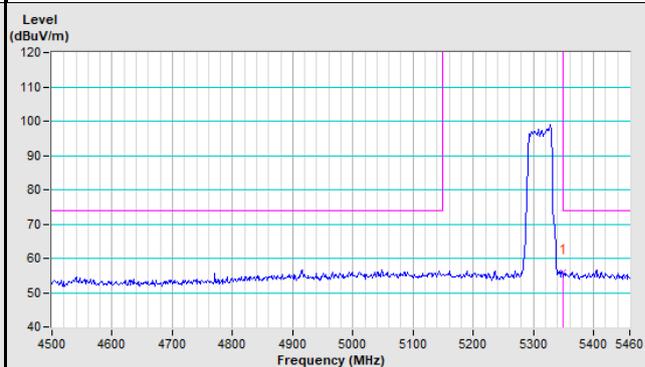
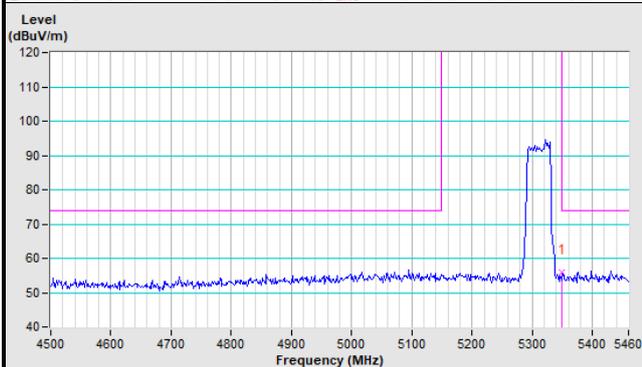
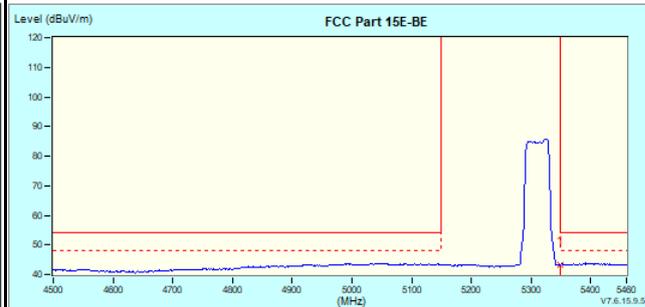


### Ch 62

#### Horizontal



#### Vertical

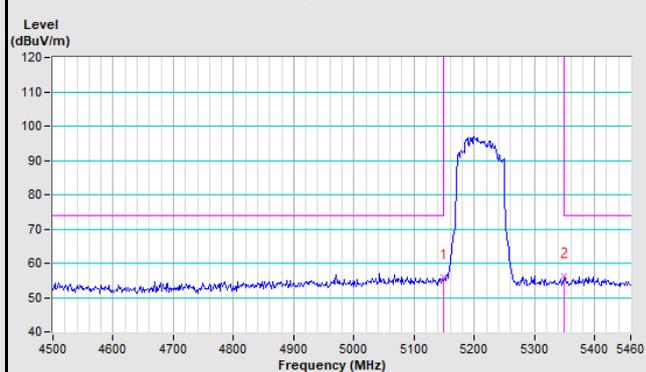
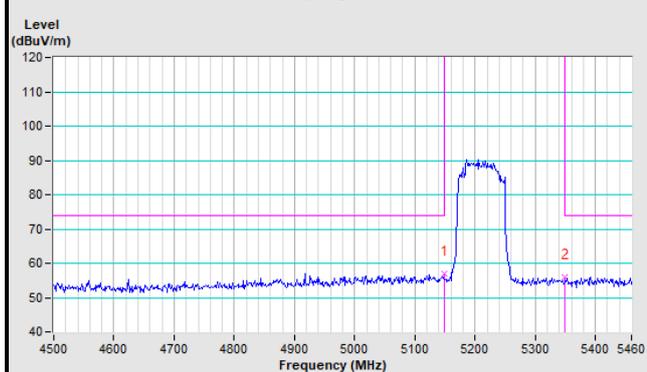
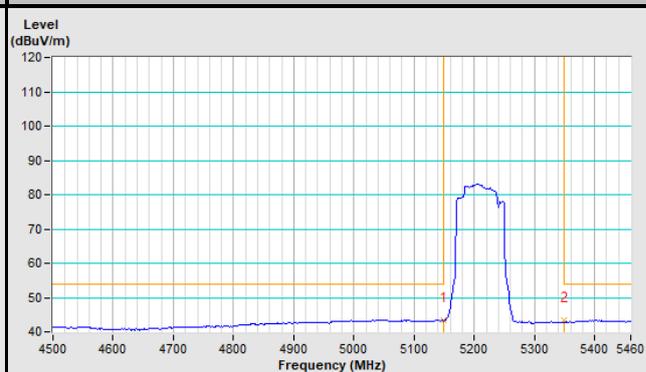
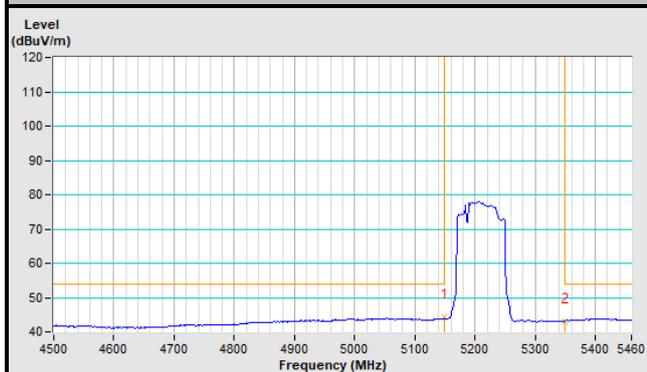


802.11ax (HE80)

Ch 42

Horizontal

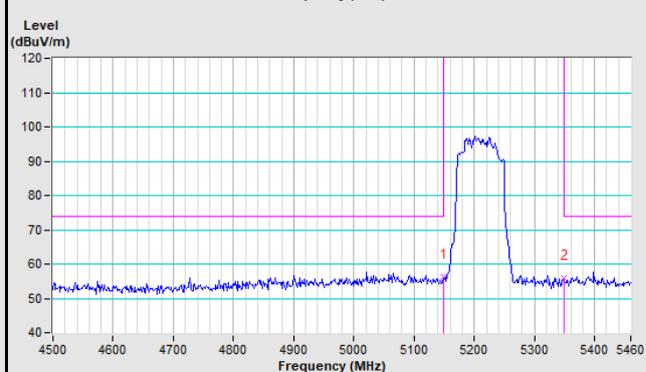
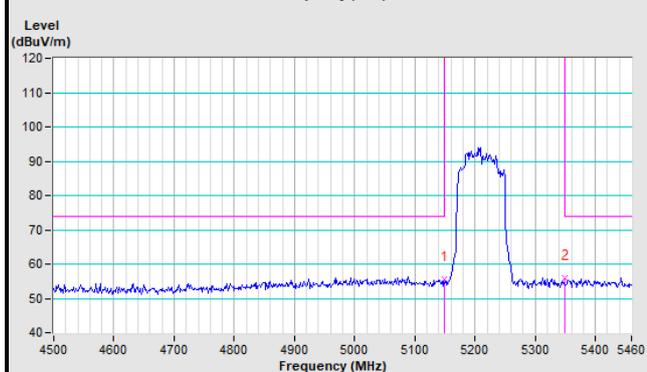
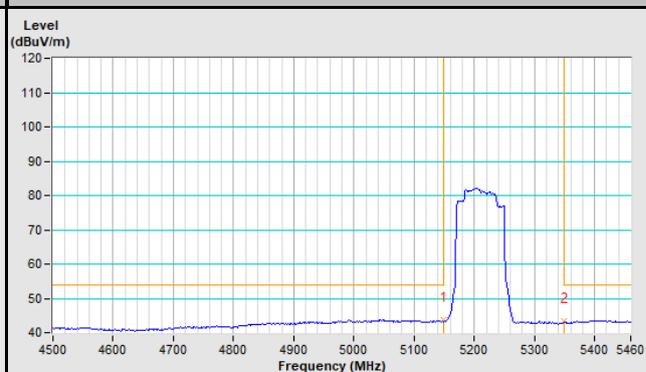
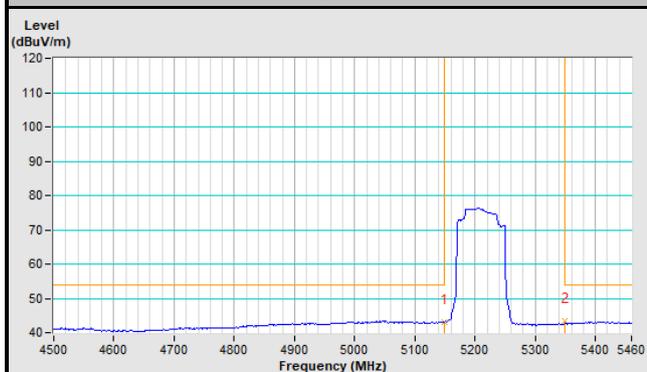
Vertical



Ch 58

Horizontal

Vertical

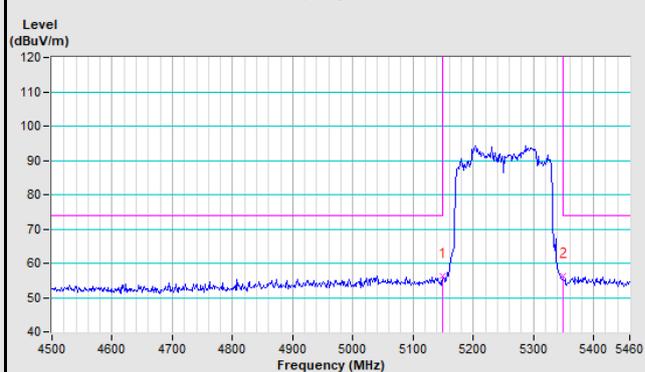
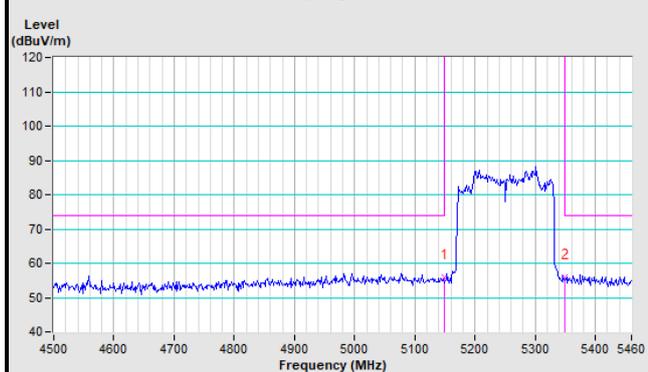
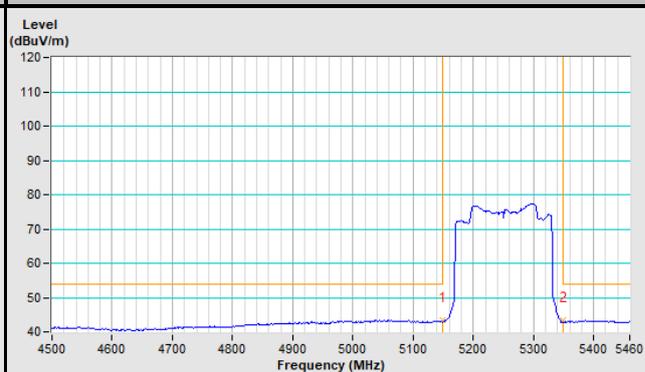
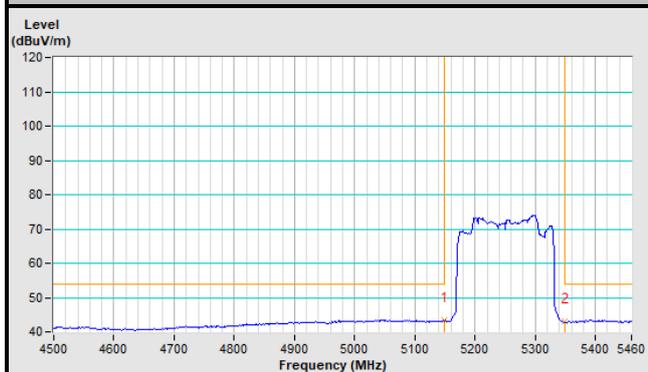


802.11ax (HE160)

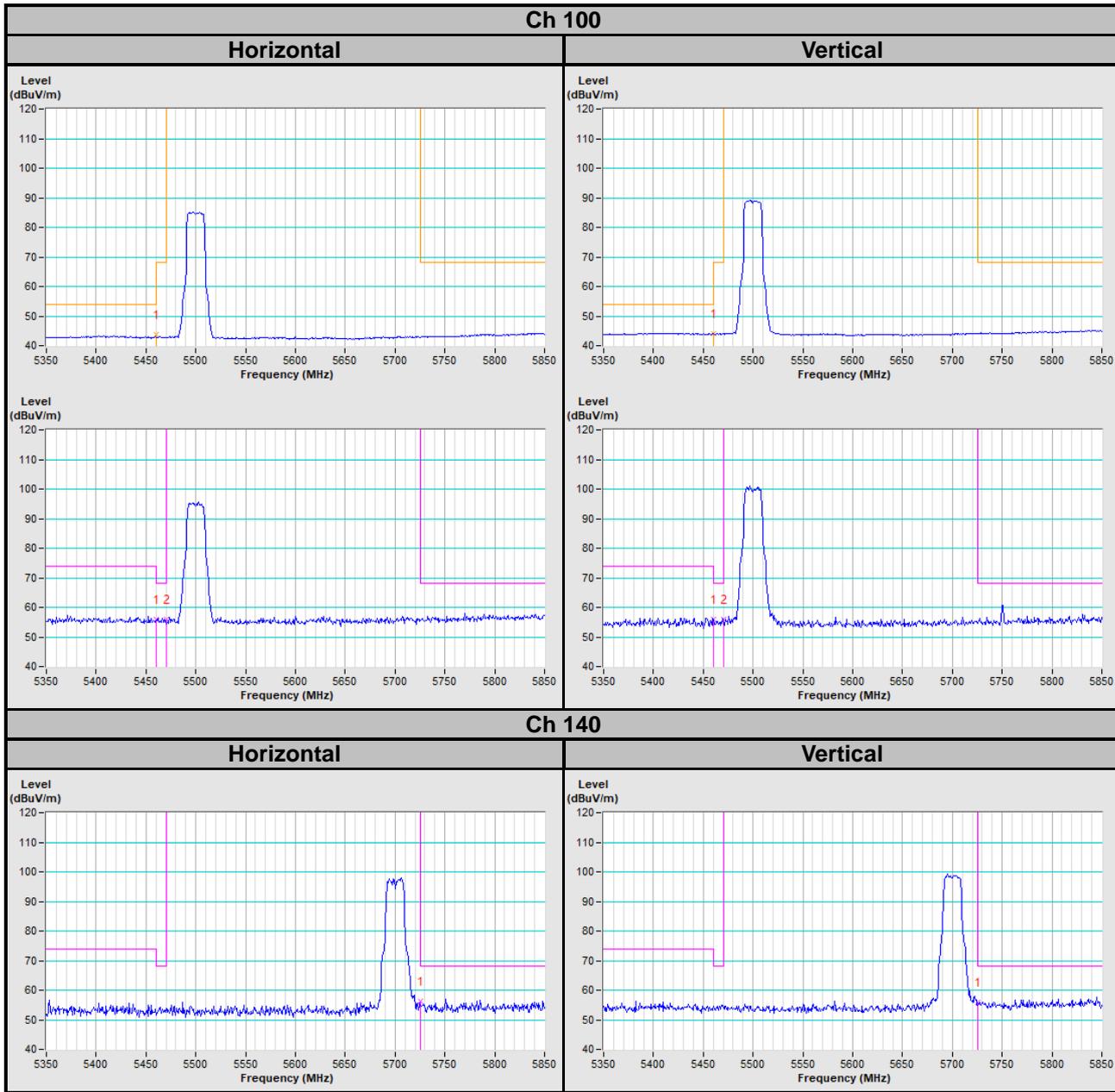
Ch 50

Horizontal

Vertical



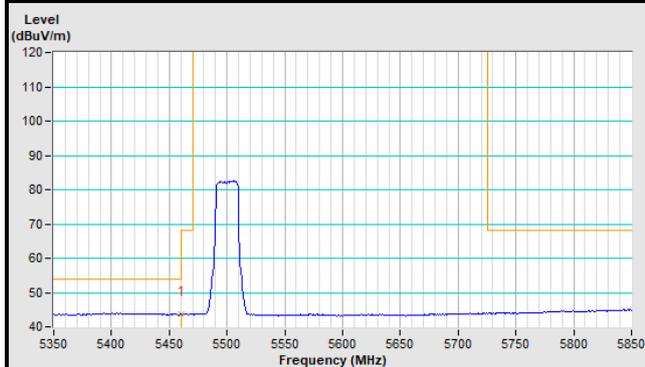
For 5500 ~ 5720 MHz  
802.11a



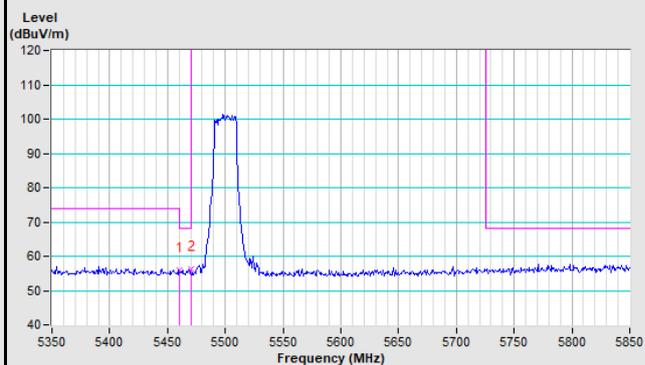
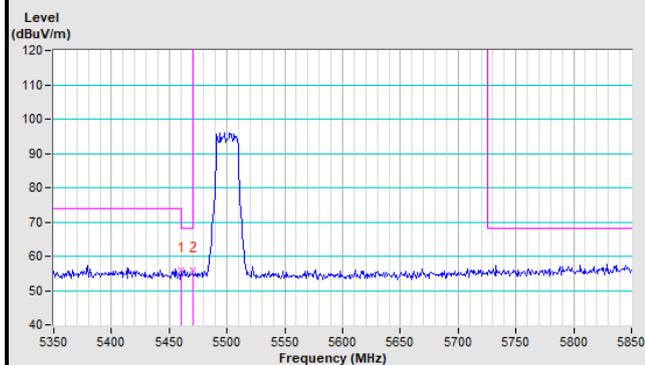
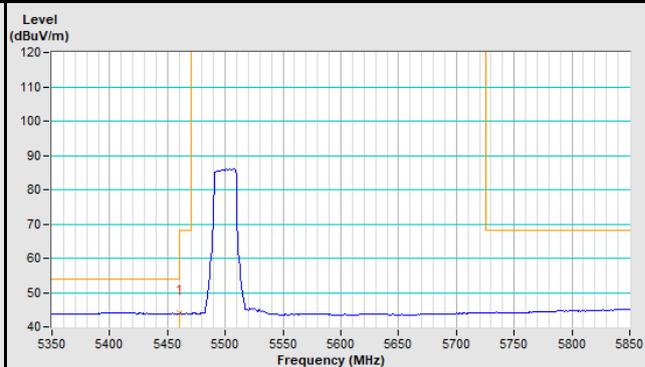
### 802.11ax (HE20)

#### Ch 100

##### Horizontal

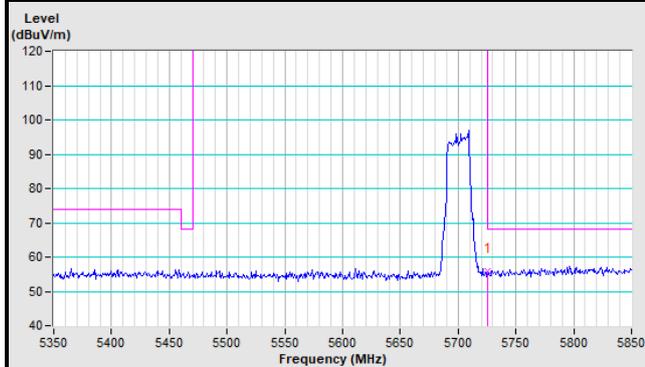


##### Vertical

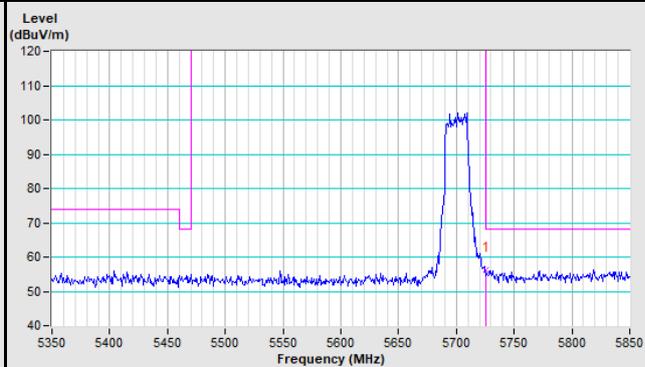


#### Ch 140

##### Horizontal



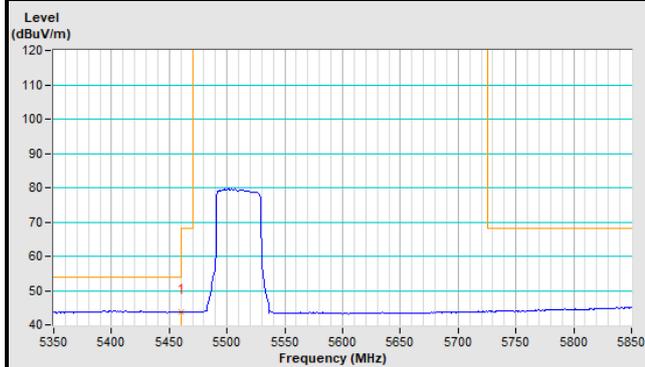
##### Vertical



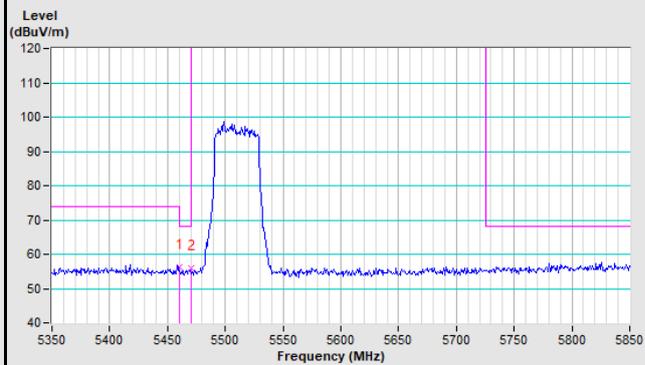
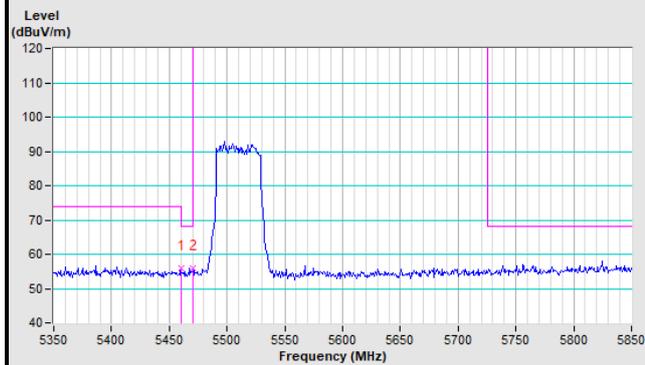
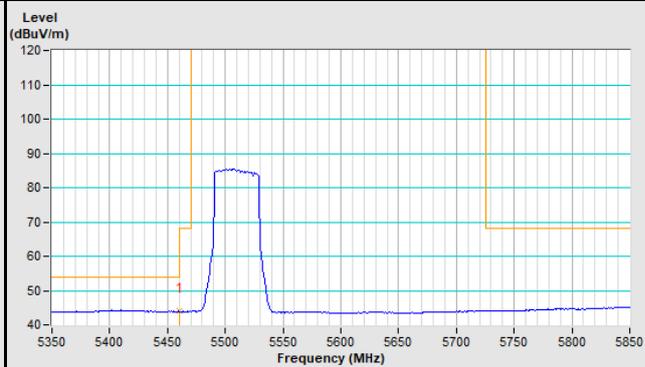
### 802.11ax (HE40)

#### Ch 102

##### Horizontal

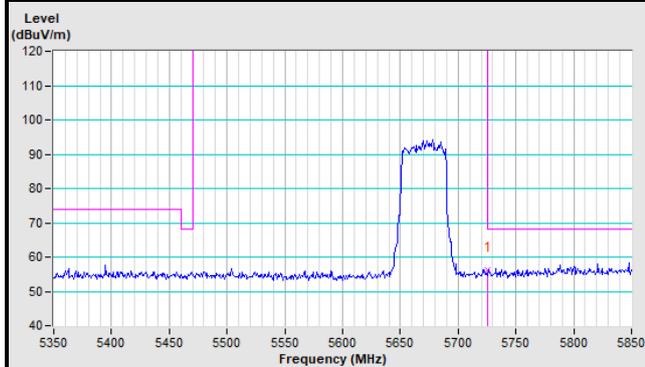


##### Vertical

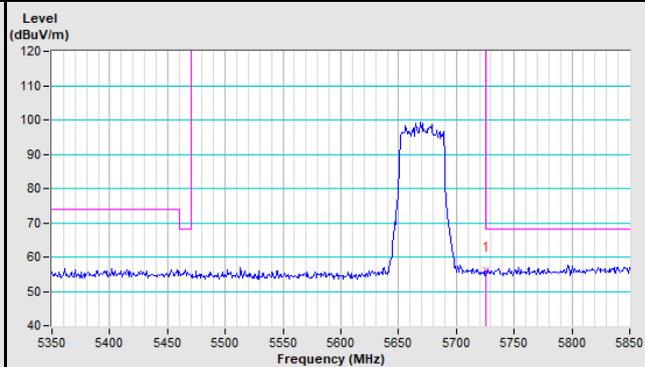


#### Ch 134

##### Horizontal



##### Vertical

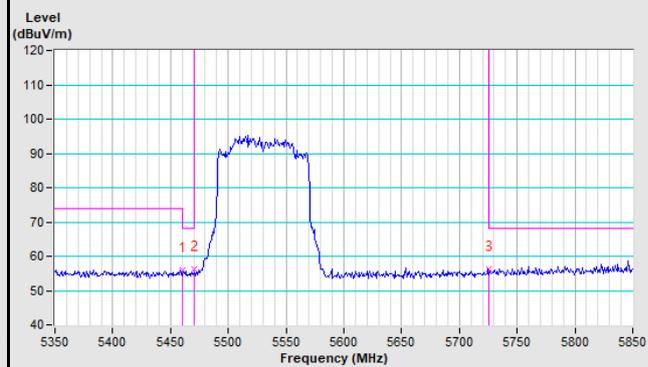
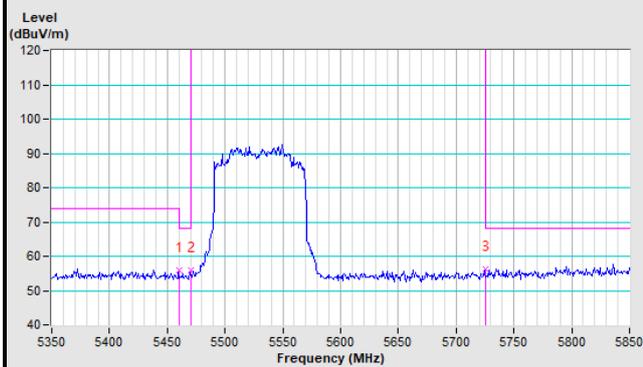
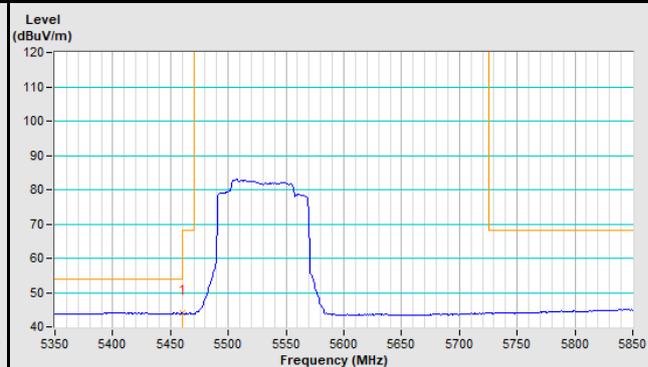
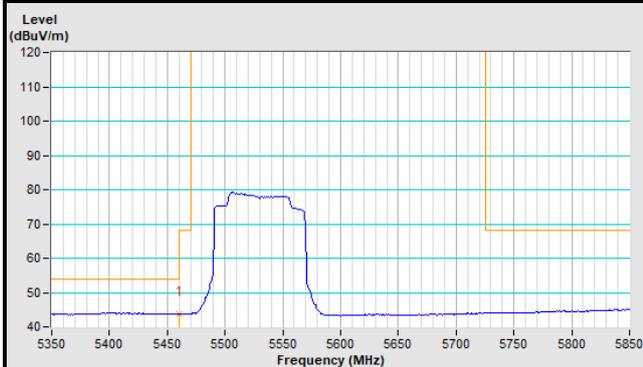


802.11ax (HE80)

Ch 106

Horizontal

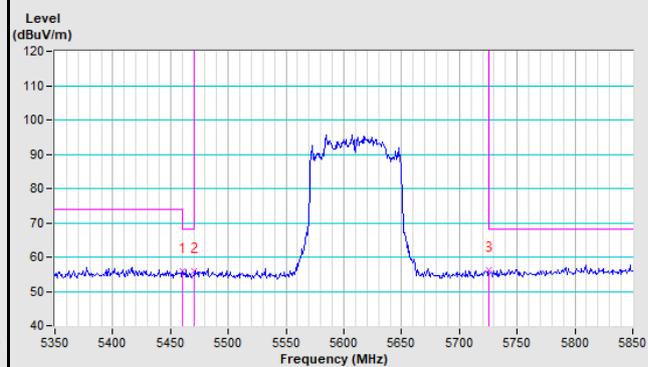
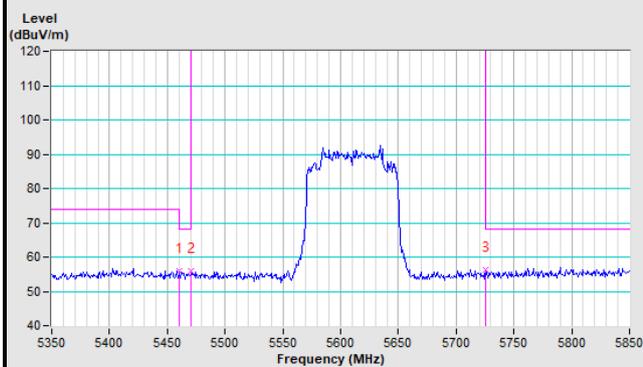
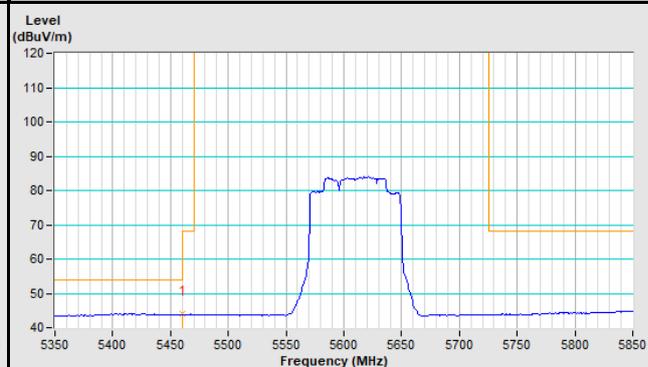
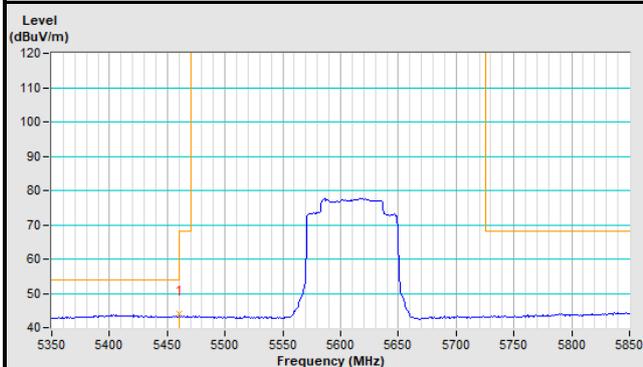
Vertical



Ch 122

Horizontal

Vertical

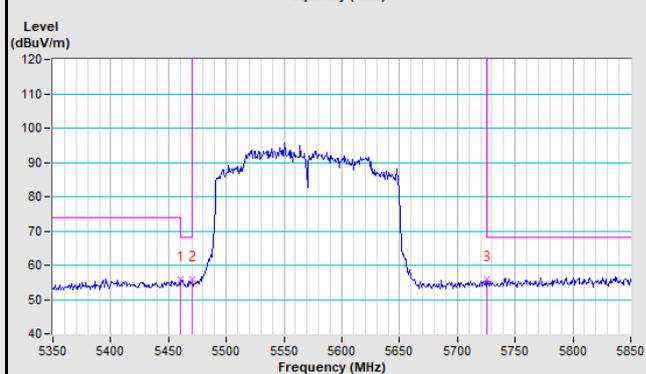
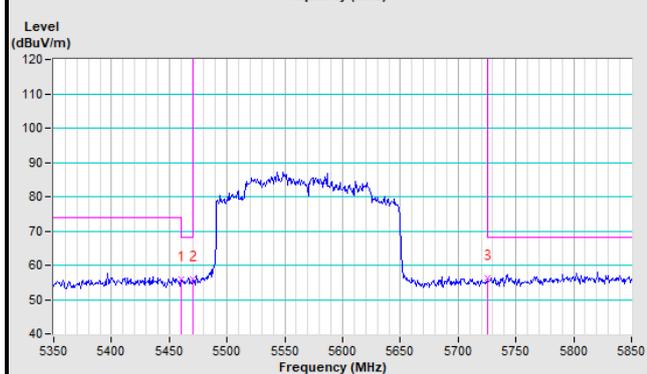
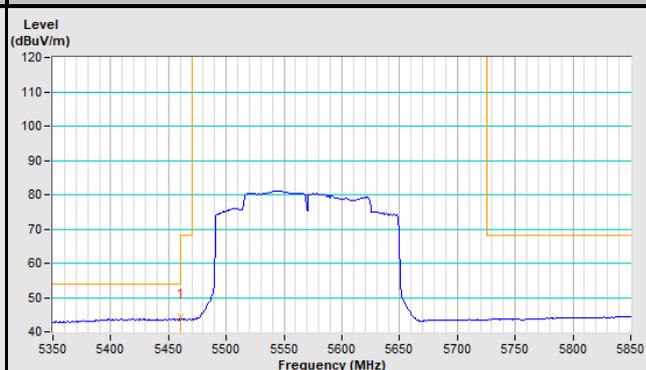
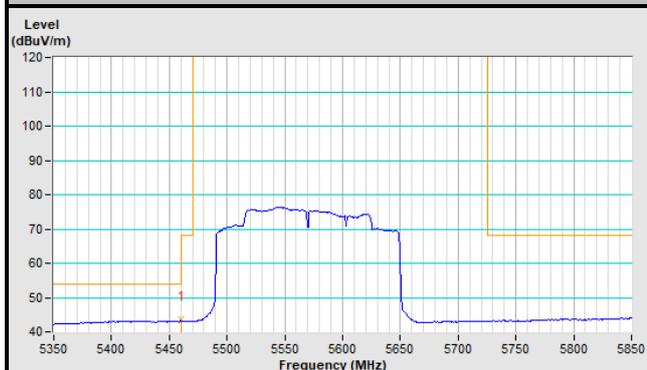


802.11ax (HE160)

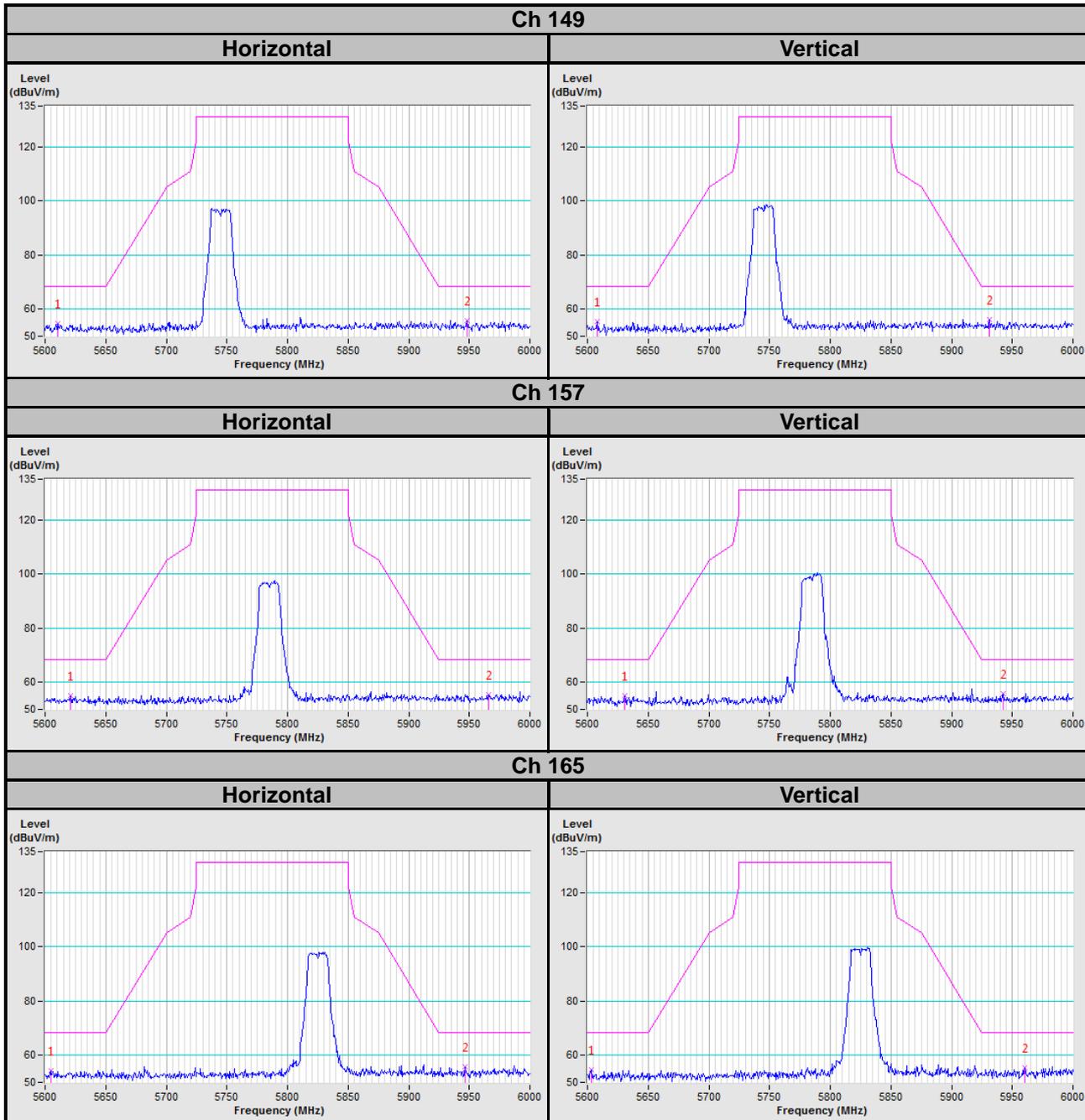
Ch 114

Horizontal

Vertical



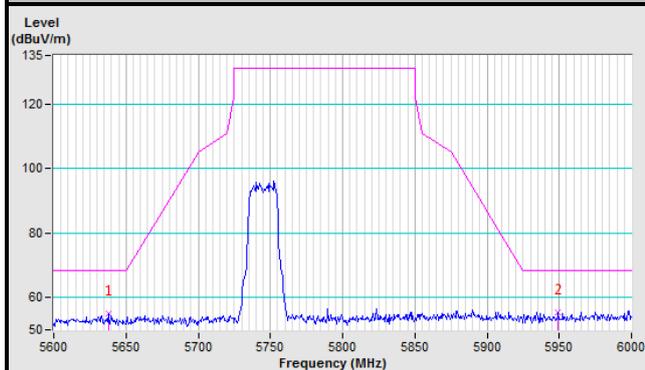
For 5745 ~ 5825 MHz:  
802.11a



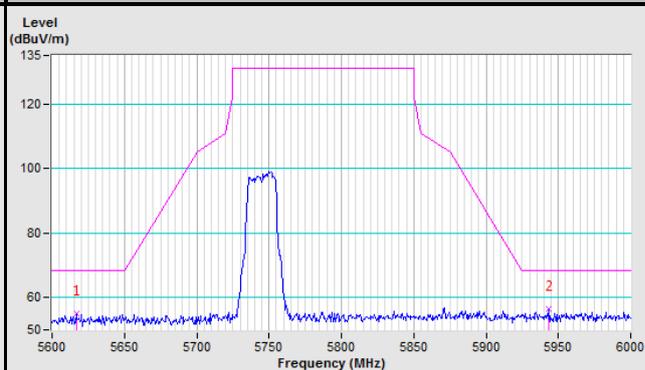
802.11ax (HE20)

Ch 149

Horizontal

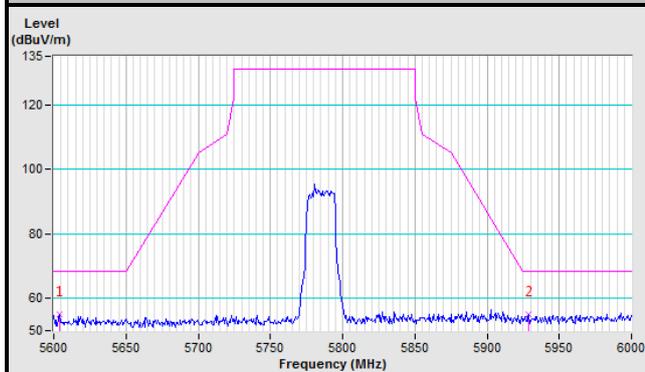


Vertical

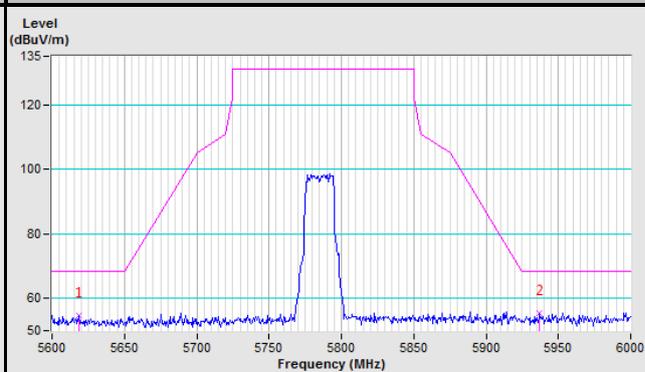


Ch 157

Horizontal

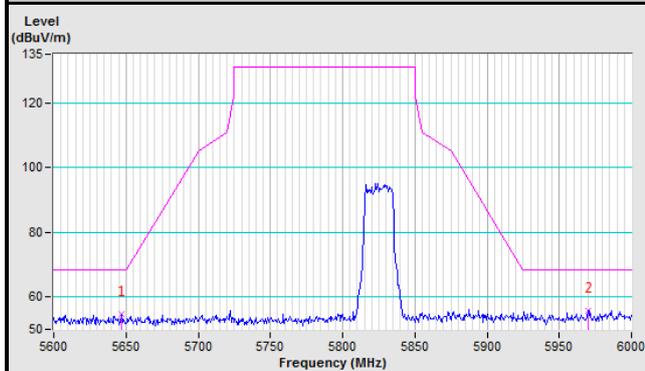


Vertical

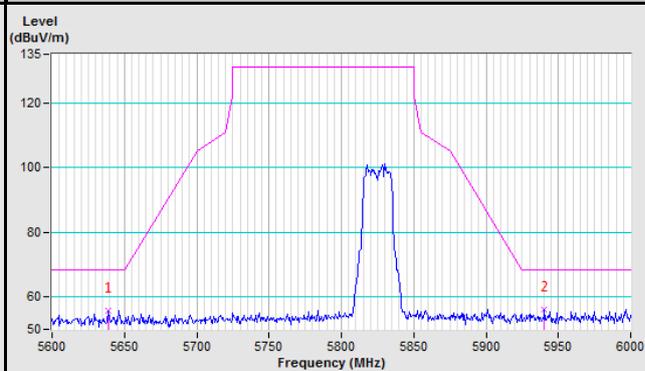


Ch 165

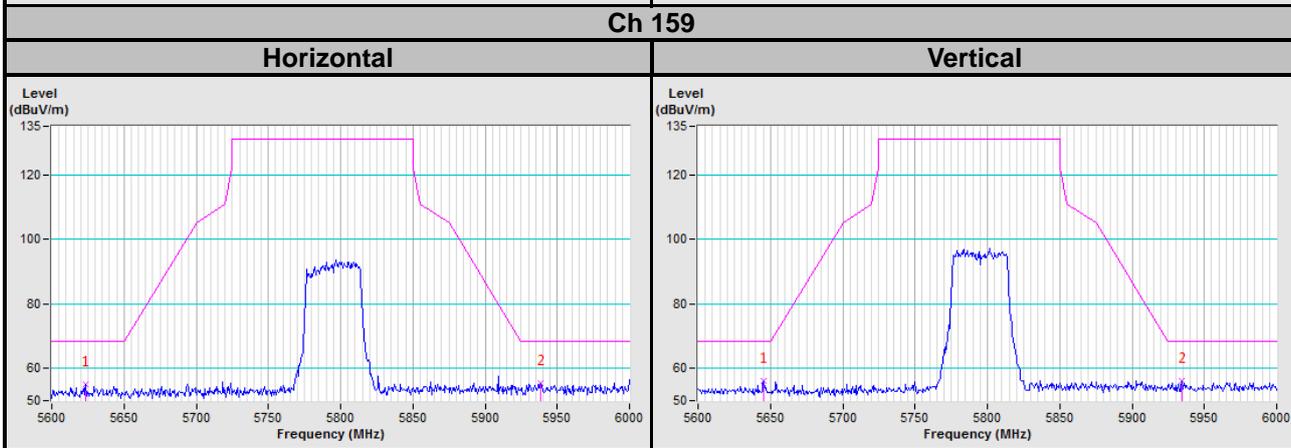
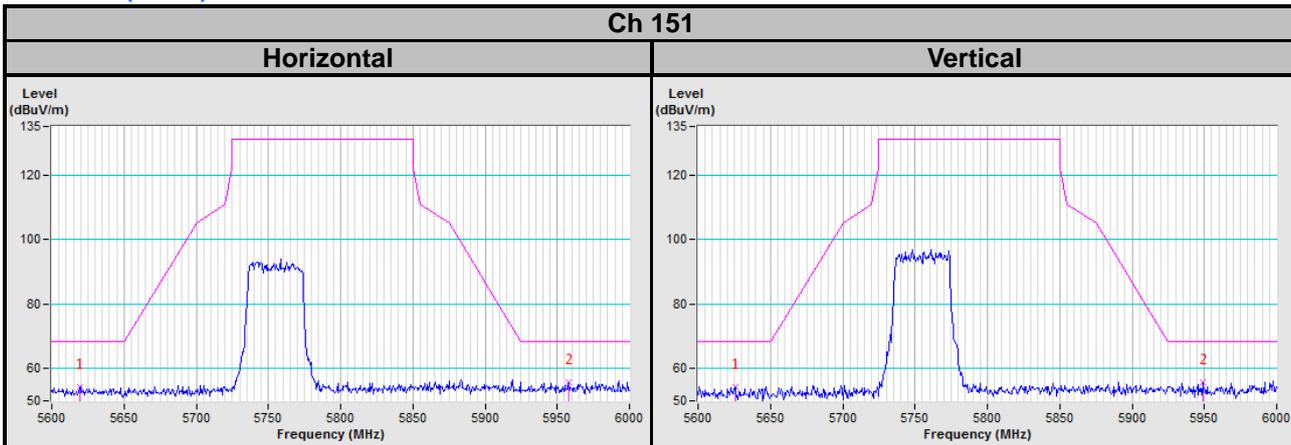
Horizontal



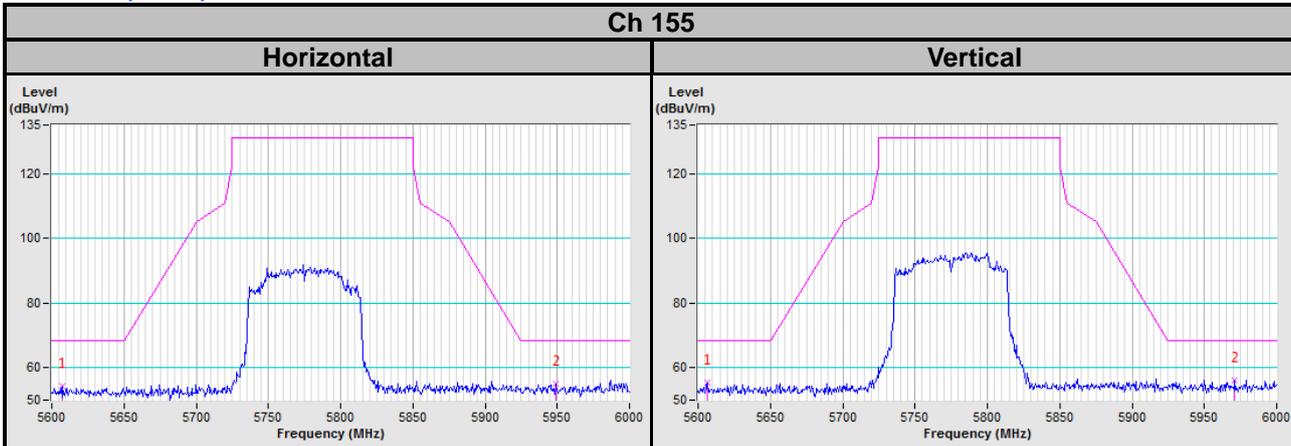
Vertical



### 802.11ax (HE40)



### 802.11ax (HE80)



## 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.

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

**Lin Kou EMC/RF Lab**

Tel: 886-2-26052180

Fax: 886-2-26051924

**Hsin Chu EMC/RF/Telecom Lab**

Tel: 886-3-6668565

Fax: 886-3-6668323

**Hwa Ya EMC/RF/Safety Lab**

Tel: 886-3-3183232

Fax: 886-3-3270892

**Email:** [service.adt@tw.bureauveritas.com](mailto:service.adt@tw.bureauveritas.com)

**Web Site:** [www.bureauveritas-adt.com](http://www.bureauveritas-adt.com)

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

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