FCC Test Report

Report No.:	RFBDYS-WTW-P21091059-1
FCC ID:	TVE-4617T06785
Test Model:	FAP-433F (refer to item 3.1 for more details)
Series Model:	FortiAP 433Fxxxxxx, FAP-433Fxxxxxx, FORTIAP-433Fxxxxxx (where “x” can be used as “A-Z”, or “0-9”, or “-”, or blank for software changes or marketing purposes only) (refer to item 3.1 for more details)
Received Date:	Dec. 16, 2021
Test Date:	Dec. 16, 2021 ~ Jul. 05, 2022
Issued Date:	Sep. 13, 2022
Applicant:	Fortinet Inc.
Address:	899 Kifer Road Sunnyvale, CA 94086 USA
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location (1):	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / Designation Number(1):	788550 / TW0003
Test Location (2):	No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
FCC Registration / Designation Number(2):	281270 / TW0032

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Release Control Record

Issue No.	Description	Date Issued
RFBDYS-WTW-P21091059	Original release	Sep. 13, 2022

1 Certificate of Conformity

Product:	Secured Wireless Access Point
Brand:	Fortinet
Test Model:	FAP-433F (refer to item 3.1 for more details)
Series Model:	FortiAP 433Fxxxxxx, FAP-433Fxxxxxx, FORTIAP-433Fxxxxxx (where “x” can be used as “A-Z”, or “0-9”, or “-”, or blank for software changes or marketing purposes only) (refer to item 3.1 for more details)
Sample Status:	Engineering sample
Applicant:	Fortinet Inc.
Test Date:	Dec. 16, 2021 ~ Jul. 05, 2022
Standards:	47 CFR FCC Part 15, Subpart E (Section 15.407) ANSI C63.10:2013

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

Prepared by : Pettie Chen , **Date:** Sep. 13, 2022

Pettie Chen / Senior Specialist

Approved by : Jeremy . Lin , **Date:** Sep. 13, 2022

Jeremy Lin / Project Engineer

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
FCC Clause	Test Item	Result	Remarks
15.407(b)(9)	AC Power Conducted Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -7.98dB at 0.53800MHz.
15.407(b) (1/2/3/4(i/ii)/9)	Radiated Emissions & Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -0.12dB at 5150.00MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	Pass	Meet the requirement of limit.
---	Occupied Bandwidth Measurement	-	Reference only.
15.407(a)(1/2/3)	Peak Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6dB bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	Antenna connector is RPSMA. (The device is professionally installed)

Note:
1. For U-NII-3 band compliance with rule part 15.407(b)(4)(i), the OOBE test plots were recorded in Annex A.
2. For U-NII-1 band compliance with rule 15.407(b) of the band-edge items, the test plots were recorded in Annex B. Test Procedures refer to report 4.1.3.
3. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

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

Measurement	Frequency	Expanded Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.94 dB
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.00 dB
	30MHz ~ 200MHz	2.91 dB
	200MHz ~1000MHz	2.92 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	1.76 dB
	18GHz ~ 40GHz	1.77 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Secured Wireless Access Point
Brand	Fortinet
Test Model	FAP-433F
Series Model	FortiAP 433Fxxxxxx, FAP-433Fxxxxxx, FORTIAP-433Fxxxxxx (where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)
Model Difference	Refer to note
Sample Status	Engineering sample
Power Supply Rating	12Vdc from Adapter 54Vdc from PoE
Modulation Type	802.11a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: 54/48/36/24/18/12/9/6Mbps 802.11n (HT20/40): 6.5 to 600Mbps (MCS0 to MCS31) 802.11ac (VHT20/40): 6.5 to 1733Mbps (MCS0 to MCS9, NSS=1 to 4) 802.11ax: 18 to 2400Mbps (MCS0 to MCS11, NSS=1 to 4)
Operating Frequency	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5720MHz, 5745 ~ 5825MHz
Number of Channel	5GHz traffic radio: 5180 ~ 5240MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 4 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2 802.11ac (VHT80), 802.11ax (HE80): 1 802.11ac (VHT80+VHT80), 802.11ax (HE80+HE80): 1 5260 ~ 5320MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 4 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2 802.11ac (VHT80), 802.11ax (HE80): 1 802.11ac (VHT80+VHT80), 802.11ax (HE80+HE80): 1 5500 ~ 5720MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 12 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 6 802.11ac (VHT80), 802.11ax (HE80): 3 802.11ac (VHT80+VHT80), 802.11ax (HE80+HE80): 2 5745 ~ 5825MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 5 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2 802.11ac (VHT80), 802.11ax (HE80): 1

Number of Channel	Scanning radio: 5180 ~ 5240MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 4 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1 5260 ~ 5320MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 4 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1 5500 ~ 5720MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 12 802.11n (HT40), 802.11ac (VHT40): 6 802.11ac (VHT80): 3 5745 ~ 5825MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 5 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1
Output Power	Ant. Model: FANT-04ABGN-0606-O-R 5180 ~ 5240MHz: CDD Mode: 533.587mW Beamforming Mode: 242.638mW 5260 ~ 5320MHz: CDD Mode: 179.820mW Beamforming Mode: 51.599mW 5500 ~ 5720MHz: CDD Mode: 239.681mW Beamforming Mode: 61.975mW 5745 ~ 5825MHz: CDD Mode: 860.945mW Beamforming Mode: 219.912mW Ant. Model: FANT-04ABGN-0606-P-R 5180 ~ 5240MHz: CDD Mode: 533.587mW Beamforming Mode: 246.163mW 5260 ~ 5320MHz: CDD Mode: 126.998mW Beamforming Mode: 57.916mW 5500 ~ 5720MHz: CDD Mode: 203.565mW Beamforming Mode: 61.313mW 5745 ~ 5825MHz: CDD Mode: 829.937mW Beamforming Mode: 246.589mW
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	NA
Cable Supplied	NA

Note:

1. This report is prepared for FCC class II permissive change. This report is issued as a supplementary report of BV CPS report no.: RF191111C01-1, RF191111C01B R1. Differences compared with the original report are removing model: FAP-431F series and adding two antennas. Therefore, the EUT with new antennas were tested and presented in the test report.
2. The following models are provided to this EUT. The model FAP-433F was chosen for final test.

Brand	Test Model	Series Model	Difference
Fortinet	FAP-433F	FortiAP 433Fxxxxxx, FAP-433Fxxxxxx, FORTIAP-433Fxxxxxx (where “x” can be used as “A-Z”, or “0-9”, or “-”, or blank for software changes or marketing purposes only)	external antenna

3. The EUT incorporates a MIMO function. Physically, the 5G traffic radio of EUT provides 4 completed transmitters and 4 receivers. The Scanning radio of EUT provides 1 completed transmitter and 1 receiver.

Modulation Mode	CDD Mode	Beamforming Mode	TX Function	Radio
802.11a	Support	Not Support	4TX	5G traffic radio
802.11n (HT20)	Support	Not Support	4TX	
802.11n (HT40)	Support	Not Support	4TX	
802.11ac (VHT20)	Support	Support	4TX	
802.11ac (VHT40)	Support	Support	4TX	
802.11ac (VHT80)	Support	Support	4TX	
802.11ac (VHT80+VHT80)	Support	Support	2TX+2TX	
802.11ax (HE20)	Support	Support	4TX	
802.11ax (HE40)	Support	Support	4TX	
802.11ax (HE80)	Support	Support	4TX	
802.11ax (HE80+HE80)	Support	Support	2TX+2TX	
802.11a	Support	Not Support	1TX	Scanning radio
802.11n (HT20)	Support	Not Support	1TX	
802.11n (HT40)	Support	Not Support	1TX	
802.11ac (VHT20)	Support	Not Support	1TX	
802.11ac (VHT40)	Support	Not Support	1TX	
802.11ac (VHT80)	Support	Not Support	1TX	

* The bandwidth and modulation are similar for HT20/HT40 on 802.11n mode and VHT20/VHT40 on 802.11n mode and HE20/HE40 on 802.11ax mode. Therefore the investigated worst case is the representative mode in test report. (Final test mode refer section 3.2.1)

* For 802.11n/ax, CDD mode and Beamforming mode are presented in power output test item. For other test items, CDD mode is the worst case for final tests after pretesting.

* The EUT supports Full RU only.

4. The EUT consumes power from the following adapter and POE.

Adapter (support units only)	
Brand	Asian Power Devices Inc.
Model	WA-30J12R
Input Power	100-240Vac, 50-60Hz, 0.9A MAX
Output Power	12Vdc, 2.5A
Power Line	1.5m cable without core attached on adapter

POE (support units only)	
Brand	EnGenius
Model	EPA5006GAT
Input Power	100-240Vac, 50-60Hz, 0.8A
Output Power	54Vdc, 0.6A PIN 4,5:54Vdc PIN 7,8:RETURN

5. The following antennas were provided to the EUT.

Antenna Type	PIFA					
Antenna Connector	IPEX					
Antenna No.	Gain (dBi)					
	2400MHz	2450MHz	2500MHz	UNII-1 & UNII-2A	UNII-2C	UNII-3
BT	4.23	4.66	**4.71**	-	-	**-**

For External Antenna (Original)

Antenna Type	Dipole					
Antenna Connector	SMA					
Gain (dBi)	Frequency					
	2400MHz	2450MHz	2500MHz	5150MHz	5500MHz	5850MHz
Ext. Ant.	3.88	3.33	4	6.01	6.18	6.2

Optional Antennas (New): New antennas are for connection to WLAN A1/A2/A3/A4

Ant. Type	Connector Type	Gain (dBi)	Frequency				
			2.4G	5G B1	5G B2	5G B3	5G B4
Omni	4 RPSMA	FANT-04ABGN-0606-O-R	6	6	6	6	6
Patch	4 RPSMA	FANT-04ABGN-0606-P-R	6	6	6	6	6

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

6. 2G traffic radio, 5GHz traffic radio and Scanning radio (5G) technologies can transmit at same time. But 5GHz traffic radio and Scanning radio (5G) cannot transmit in the same band at same time.
   2G traffic radio and Scanning radio (2.4G) cannot transmit at same time.

3.2 Description of Test Modes

For 5180 ~ 5240MHz:

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

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

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

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

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

Channel	Frequency
42	5210MHz

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

Channel	Frequency
42	5210MHz

5260~5320MHz:

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

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

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

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

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

Channel	Frequency
58	5290MHz

5500~5720MHz:

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

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

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

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

3 channels are provided for 802.11ac (VHT80), 802.11ax (HE80):

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

2 channels are provided for 802.11ac (VHT80+VHT80), 802.11ax (HE80+HE80):

Channel	Frequency	Channel	Frequency
106	5530 MHz	122	5610 MHz

For 5745 ~ 5825MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755MHz	159	5795MHz

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

Channel	Frequency
155	5775MHz

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable to				Description	
	RE≥1G	RE<1G	PLC	APCM	Antenna Model	Power
A	√	√	√	√	FANT-04ABGN-0606-O-R	Power from adapter
B	-	√	√	-		Power from PoE
C	√	√	√	√	FANT-04ABGN-0606-P-R	Power from adapter
D	-	√	√	-		Power from PoE

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

PLC: Power Line Conducted Emission APCM: Antenna Port Conducted Measurement

Note:
1. The antenna of EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Z-plane**.
2. Radiated emission test (below 1GHz) and power line conducted emission test items chosen the worst maximum power.
3. "-": Means no effect.

Radiated Emission Test (Above 1GHz):

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

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

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
CDD Mode						
A, C	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
A, C	802.11ax (HE20)		36 to 48	36, 40, 48	OFDMA	MCS0
A, C	802.11ax (HE40)		38 to 46	38, 46	OFDMA	MCS0
A, C	802.11ax (HE80)		42	42	OFDMA	MCS0
A, C	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0
A, C	802.11ax (HE20)		52 to 64	52, 60, 64	OFDMA	MCS0
A, C	802.11ax (HE40)		54 to 62	54, 62	OFDMA	MCS0
A, C	802.11ax (HE80)		58	58	OFDMA	MCS0
A, C	802.11ax (HE80+80)		42+58	42+58	OFDMA	MCS0
A, C	802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0
A, C	802.11ax (HE20)		100 to 144	100, 116, 140, 144	OFDMA	MCS0
A, C	802.11ax (HE40)		102 to 142	102, 110, 134, 142	OFDMA	MCS0
A, C	802.11ax (HE80)		106 to 138	106, 122, 138	OFDMA	MCS0
A, C	802.11ax (HE80+80)		106+122	106+122	OFDMA	MCS0
A, C	802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6.0
A, C	802.11ax (HE20)		149 to 165	149, 157, 165	OFDMA	MCS0
A, C	802.11ax (HE40)		151 to 159	151, 159	OFDMA	MCS0
A, C	802.11ax (HE80)		155	155	OFDMA	MCS0

Radiated Emission Test (Below 1GHz):

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

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

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
CDD Mode						
A, B	802.11a	5180-5240	36 to 48	165	OFDM	6.0
		5260-5320	52 to 64			
		5500-5720	100 to 144			
		5745-5825	149 to 165			
C, D	802.11ax (HE40)	5180-5240	38 to 46	159	OFDMA	MCS0
		5260-5320	54 to 62			
		5500-5720	106 to 138			
		5745-5825	149 to 165			

Power Line Conducted Emission Test:

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

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

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
CDD Mode						
A, B	802.11a	5180-5240	36 to 48	165	OFDM	6.0
		5260-5320	52 to 64			
		5500-5720	100 to 144			
		5745-5825	149 to 165			
C, D	802.11ax (HE40)	5180-5240	38 to 46	159	OFDMA	MCS0
		5260-5320	54 to 62			
		5500-5720	106 to 138			
		5745-5825	149 to 165			

Antenna Port Conducted Measurement:

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

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

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

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
CDD Mode						
A, C	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
A, C	802.11ac (VHT20)		36 to 48	36, 40, 48	OFDM	MCS0
A, C	802.11ac (VHT40)		38 to 46	38, 46	OFDM	MCS0
A, C	802.11ac (VHT80)		42	42	OFDM	MCS0
A, C	802.11ax (HE20)		36 to 48	36, 40, 48	OFDMA	MCS0
A, C	802.11ax (HE40)		38 to 46	38, 46	OFDMA	MCS0
A, C	802.11ax (HE80)		42	42	OFDMA	MCS0
A, C	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0
A, C	802.11ac (VHT20)		52 to 64	52, 60, 64	OFDM	MCS0
A, C	802.11ac (VHT40)		54 to 62	54, 62	OFDM	MCS0
A, C	802.11ac (VHT80)		58	58	OFDM	MCS0
A, C	802.11ax (HE20)		52 to 64	52, 60, 64	OFDMA	MCS0
A, C	802.11ax (HE40)		54 to 62	54, 62	OFDMA	MCS0
A, C	802.11ax (HE80)		58	58	OFDMA	MCS0
A, C	802.11ax (HE80+80)		42+58	42+58	OFDMA	MCS0
A, C	802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0
A, C	802.11ac (VHT20)		100 to 144	100, 116, 140, 144	OFDM	MCS0
A, C	802.11ac (VHT40)		102 to 142	102, 110, 134, 142	OFDM	MCS0
A, C	802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	MCS0
A, C	802.11ax (HE20)		100 to 144	100, 116, 140, 144	OFDMA	MCS0
A, C	802.11ax (HE40)		102 to 142	102, 110, 134, 142	OFDMA	MCS0
A, C	802.11ax (HE80)		106 to 138	106, 122, 138	OFDMA	MCS0
A, C	802.11ax (HE80+80)		106+122	106+122	OFDMA	MCS0
A, C	802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6.0
A, C	802.11ac (VHT20)		149 to 165	149, 157, 165	OFDM	MCS0
A, C	802.11ac (VHT40)		151 to 159	151, 159	OFDM	MCS0
A, C	802.11ac (VHT80)		155	155	OFDM	MCS0
A, C	802.11ax (HE20)		149 to 165	149, 157, 165	OFDMA	MCS0
A, C	802.11ax (HE40)		151 to 159	151, 159	OFDMA	MCS0
A, C	802.11ax (HE80)		155	155	OFDMA	MCS0
Beamforming Mode						
A, C	802.11ac (VHT20)	5180-5240	36 to 48	36, 40, 48	OFDM	MCS0
A, C	802.11ac (VHT40)		38 to 46	38, 46	OFDM	MCS0
A, C	802.11ac (VHT80)		42	42	OFDM	MCS0
A, C	802.11ax (HE20)		36 to 48	36, 40, 48	OFDMA	MCS0
A, C	802.11ax (HE40)		38 to 46	38, 46	OFDMA	MCS0
A, C	802.11ax (HE80)		42	42	OFDMA	MCS0
A, C	802.11ac (VHT20)	5260-5320	52 to 64	52, 60, 64	OFDM	MCS0
A, C	802.11ac (VHT40)		54 to 62	54, 62	OFDM	MCS0
A, C	802.11ac (VHT80)		58	58	OFDM	MCS0
A, C	802.11ax (HE20)		52 to 64	52, 60, 64	OFDMA	MCS0
A, C	802.11ax (HE40)		54 to 62	54, 62	OFDMA	MCS0
A, C	802.11ax (HE80)		58	58	OFDMA	MCS0
A, C	802.11ax (HE80+80)		42+58	42+58	OFDMA	MCS0
A, C	802.11ac (VHT20)	5500-5720	100 to 144	100, 116, 140, 144	OFDM	MCS0
A, C	802.11ac (VHT40)		102 to 142	102, 110, 134, 142	OFDM	MCS0
A, C	802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	MCS0
A, C	802.11ax (HE20)		100 to 144	100, 116, 140, 144	OFDMA	MCS0
A, C	802.11ax (HE40)		102 to 142	102, 110, 134, 142	OFDMA	MCS0
A, C	802.11ax (HE80)		106 to 138	106, 122, 138	OFDMA	MCS0
A, C	802.11ax (HE80+80)		106+122	106+122	OFDMA	MCS0
A, C	802.11ac (VHT20)	5745-5825	149 to 165	149, 157, 165	OFDM	MCS0
A, C	802.11ac (VHT40)		151 to 159	151, 159	OFDM	MCS0
A, C	802.11ac (VHT80)		155	155	OFDM	MCS0
A, C	802.11ax (HE20)		149 to 165	149, 157, 165	OFDMA	MCS0
A, C	802.11ax (HE40)		151 to 159	151, 159	OFDMA	MCS0
A, C	802.11ax (HE80)		155	155	OFDMA	MCS0

*802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80) are for Conducted Output Power Measurement only.

Test Condition:

Applicable to	Environmental Conditions	Input Power	Tested by
RE≥1G	21 deg. C, 68% RH	120Vac, 60Hz	Edison Lee
RE<1G	23 deg. C, 68% RH	120Vac, 60Hz	Adair Peng
PLC	25 deg. C, 75% RH	120Vac, 60Hz	Edison Lee
APCM	25 deg. C, 60% RH	120Vac, 60Hz	Vincent Huang

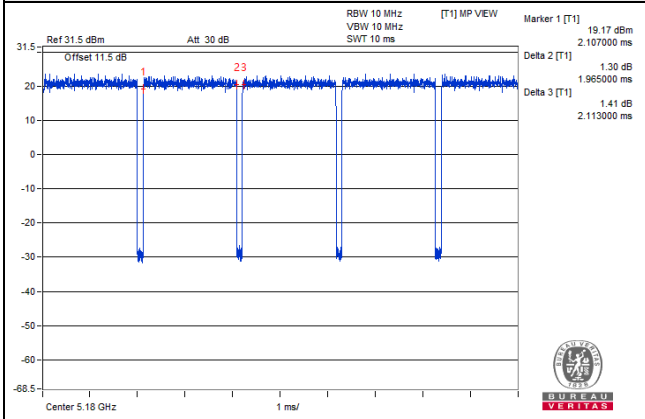
3.3 Duty Cycle of Test Signal

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

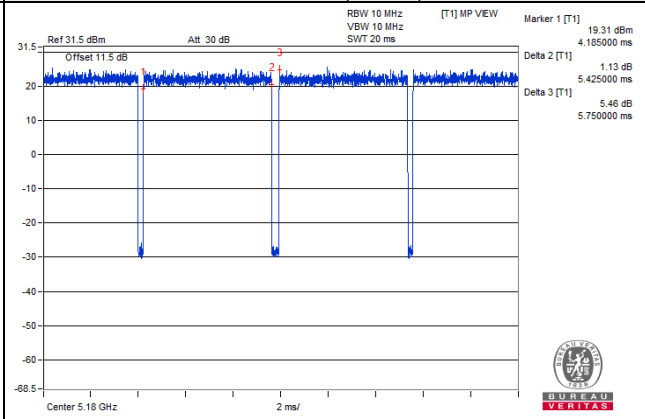
Test Mode A

802.11a: Duty cycle = 1.965/2.113 = 0.93, Duty factor = 10 * log (1/0.93) = 0.32
802.11ax (HE20): Duty cycle = 5.425/5.75 = 0.943, Duty factor = 10 * log (1/0.943) = 0.25
802.11ax (HE40): Duty cycle = 5.435/5.86 = 0.927, Duty factor = 10 * log (1/0.927) = 0.33
802.11ax (HE80): Duty cycle = 5.362/6.517 = 0.823, Duty factor = 10 * log (1/0.823) = 0.85
802.11ax (HE80+HE80): Duty cycle = 5.407/6.434 = 0.84, Duty factor = 10 * log (1/0.84) = 0.76

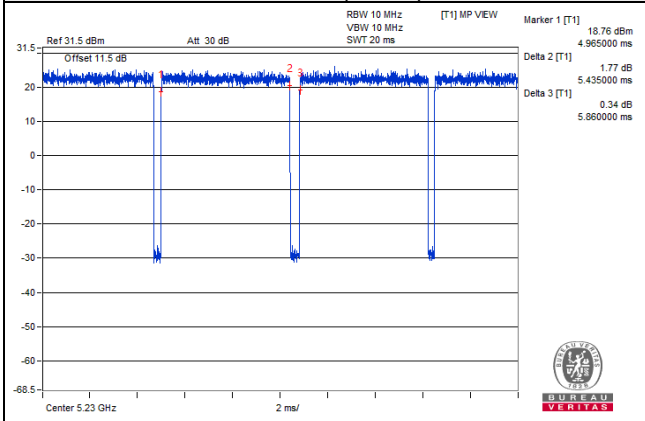
802.11a



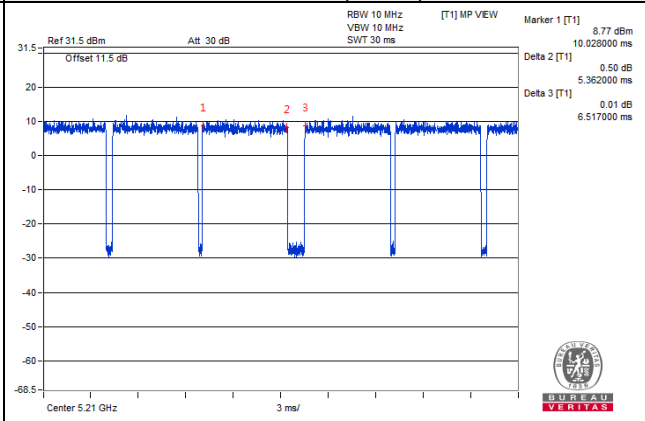
802.11ax (HE20)



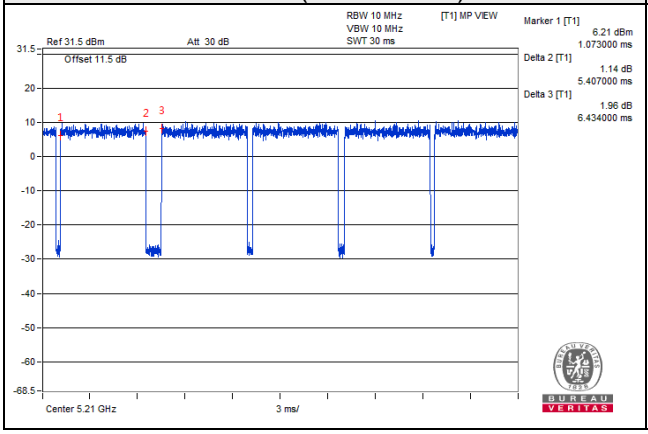
802.11ax (HE40)



802.11ax (HE80)



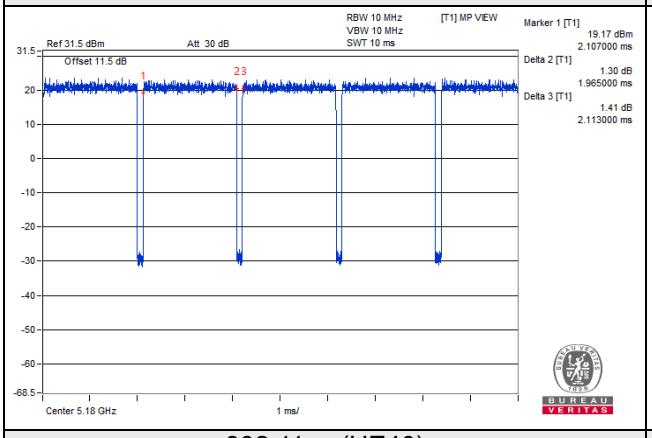
802.11ax (HE80+HE80)



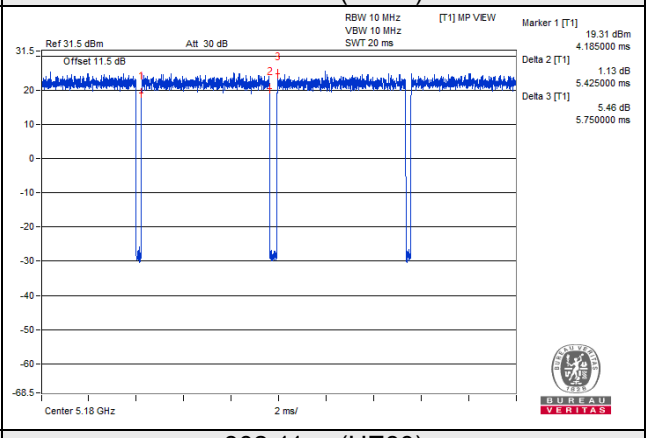
Test Mode C

802.11a: Duty cycle = 1.965/2.113 = 0.93, Duty factor = 10 * log (1/0.93) = 0.32
802.11ax (HE20): Duty cycle = 5.425/5.75 = 0.943, Duty factor = 10 * log (1/0.943) = 0.25
802.11ax (HE40): Duty cycle = 5.435/5.86 = 0.927, Duty factor = 10 * log (1/0.927) = 0.33
802.11ax (HE80): Duty cycle = 5.362/6.517 = 0.823, Duty factor = 10 * log (1/0.823) = 0.85
802.11ax (HE80+HE80): Duty cycle = 5.407/6.434 = 0.84, Duty factor = 10 * log (1/0.84) = 0.76

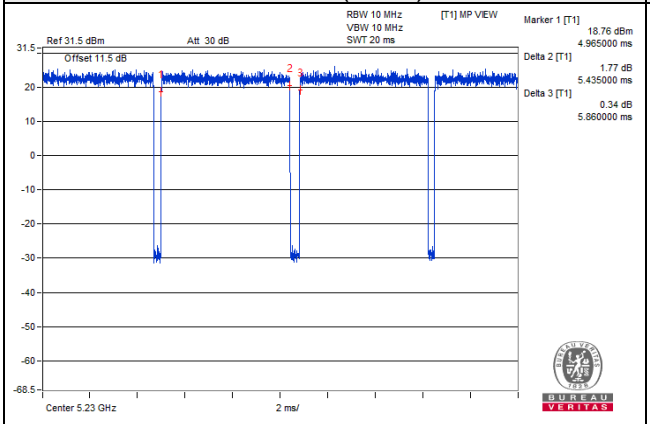
802.11a



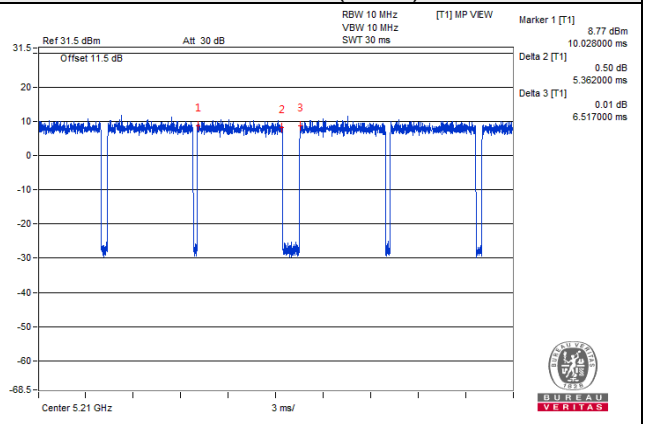
802.11ax (HE20)



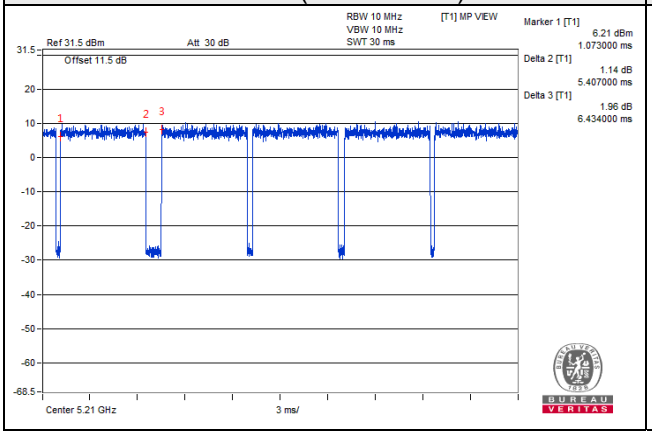
802.11ax (HE40)



802.11ax (HE80)



802.11ax (HE80+HE80)



3.4 Description of Support Units

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

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Notebook	Lenovo	20J4 MD A003TW	PF-11H9AK	FCC DoC Approved	-
B.	Load	NA	NA	NA	NA	-
C.	Adapter	Asian Power Devices Inc.	WA-30J12R	NA	NA	Provided by client
D.	USB Flash	HP	v250W	10	NA	-
E.	POE	EnGenius	EPA5006GAT	NA	NA	Provided by client

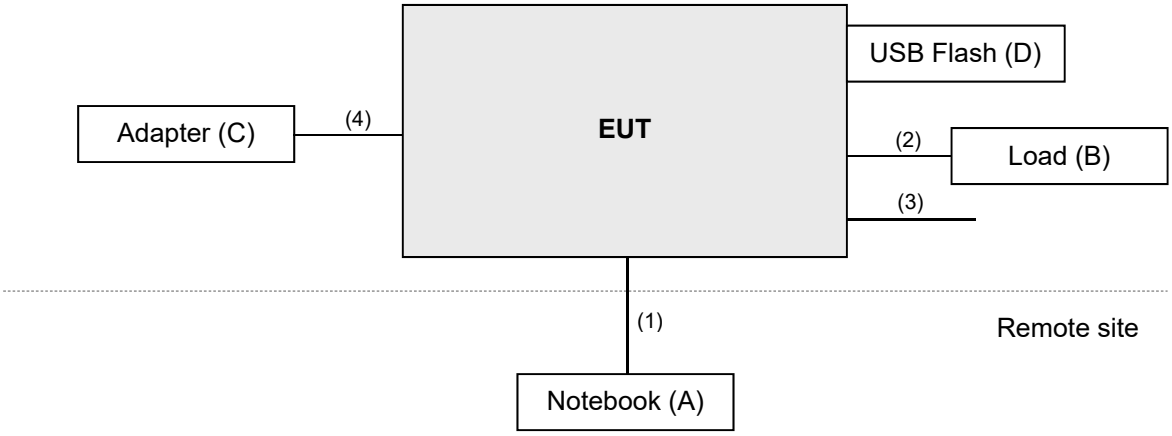
Note:

1. All power cords of the above support units are non-shielded (1.8m).
2. Item A, E acted as communication partners to transfer data.

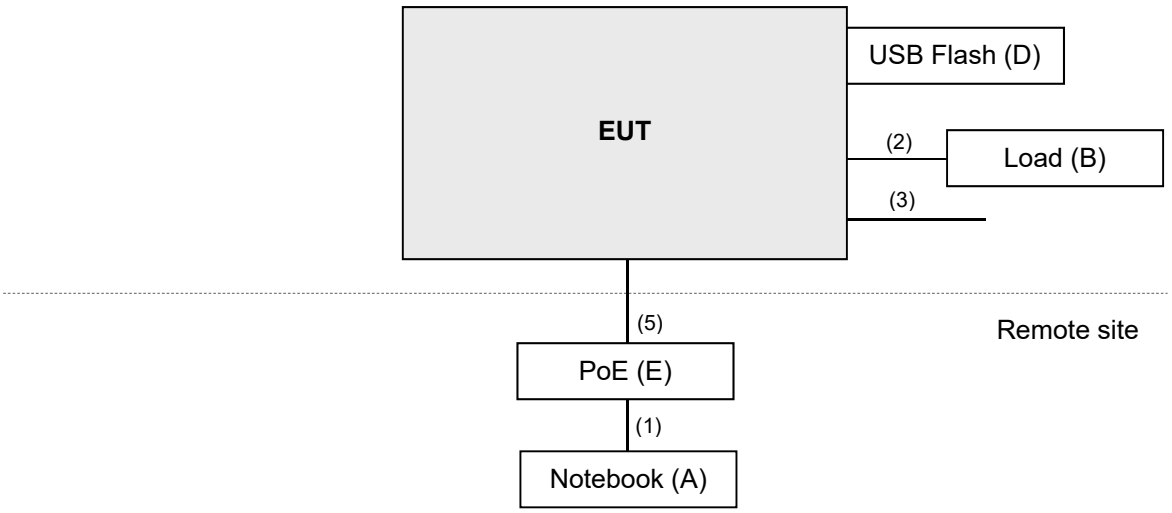
ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	LAN	1	6.0	N	0	RJ45, Cat5e
2.	LAN	1	1.5	N	0	RJ45, Cat5e
3.	Console	1	1.5	Y	1	-
4.	Power cable	1	1.5	-	0	Provided by client
5.	LAN	1	1.5	N	0	RJ45, Cat5e

3.4.1 Configuration of System under Test

Mode A, C



Mode B, D



3.5 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards 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 Procedure New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01

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

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

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

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

Note:

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

Limits of unwanted emission out of the restricted bands

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

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

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

4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver Rohde & Schwarz	N9038A	MY50010158	Nov. 10, 2020	Nov. 09, 2021
			Oct. 26, 2021	Oct. 25, 2022
Spectrum Analyzer KEYSIGHT	N9020B	MY60110440	Dec. 09, 2021	Dec. 08, 2022
BILOG Antenna SCHWARZBECK	VULB9168	9168-1213	Oct. 27, 2021	Oct. 26, 2022
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-563	Nov. 14, 2021	Nov. 13, 2022
HORN Antenna SCHWARZBECK	BBHA 9170	9170-995	Nov. 14, 2021	Nov. 13, 2022
Loop Antenna EMCI	EM-6879	269	Sep. 16, 2021	Sep. 15, 2022
Loop Antenna TESEQ	HLA 6121	45745	Jul. 21, 2021	Jul. 20, 2022
Preamplifier EMCI	EMC330N	980782	Jan. 19, 2021	Jan. 18, 2022
			Jan. 17, 2022	Jan. 16, 2023
Preamplifier EMCI	EMC118A45SE	980817	Jul. 16, 2021	Jul. 15, 2022
Preamplifier EMCI	EMC184045SE	980788	Jan. 18, 2021	Jan. 17, 2022
			Jan. 17, 2022	Jan. 16, 2023
RF signal cable EMCI	EMC104-SM-SM-(9000+2000+1000)	201243+ 201231+ 210102	Jan. 18, 2021	Jan. 17, 2022
			Jan. 17, 2022	Jan. 16, 2023
RF signal cable EMCI	EMCCFD400-NM-NM-(9000+300+500)	201236+ 201235+ 201233	Jan. 18, 2021	Jan. 17, 2022
			Jan. 17, 2022	Jan. 16, 2023
RF signal cable EMCI	EMC101G-KM-KM-(5000+3000+2000)	201260+201257+201254	Jan. 18, 2021	Jan. 17, 2022
			Jan. 17, 2022	Jan. 16, 2023
Software BV ADT	ADT_Radiated_V7.6.15.9.5	NA	NA	NA
Antenna Tower Max-Full	MFT-151SS-0.5T	NA	NA	NA
Turn Table Max-Full	MF-7802BS	NA	NA	NA
Turn Table Controller Max-Full	MF-7802BS	MF780208674	NA	NA
USB Wideband Power Sensor KEYSIGHT	U2021XA	MY55050005/MY55190004/MY55190007/MY55210005	Jul. 12, 2021	Jul. 11, 2022

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 WM Chamber 8.

4.1.3 Test Procedures

For Radiated emission below 30MHz

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

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

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

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

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

Note:

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

For Radiated emission above 30MHz

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

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

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

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

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

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

Note:

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

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

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

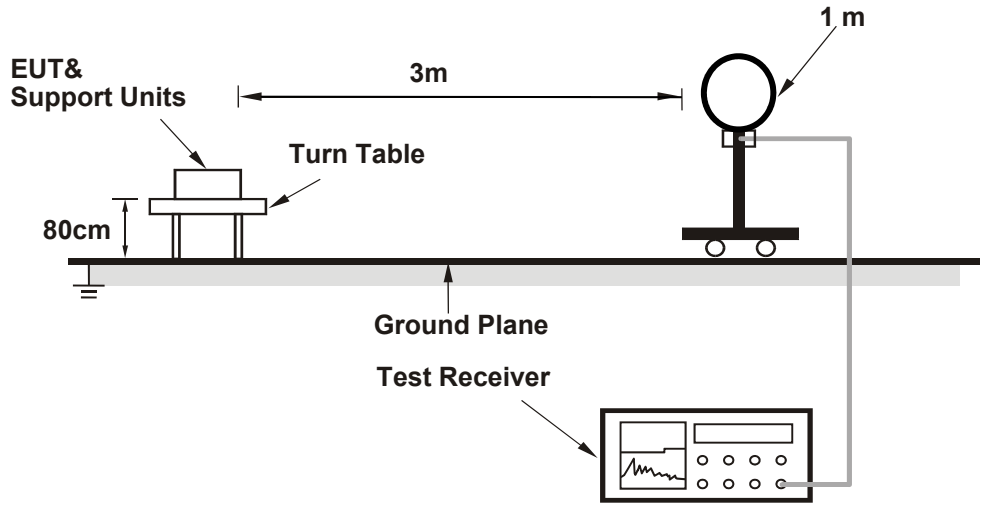
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

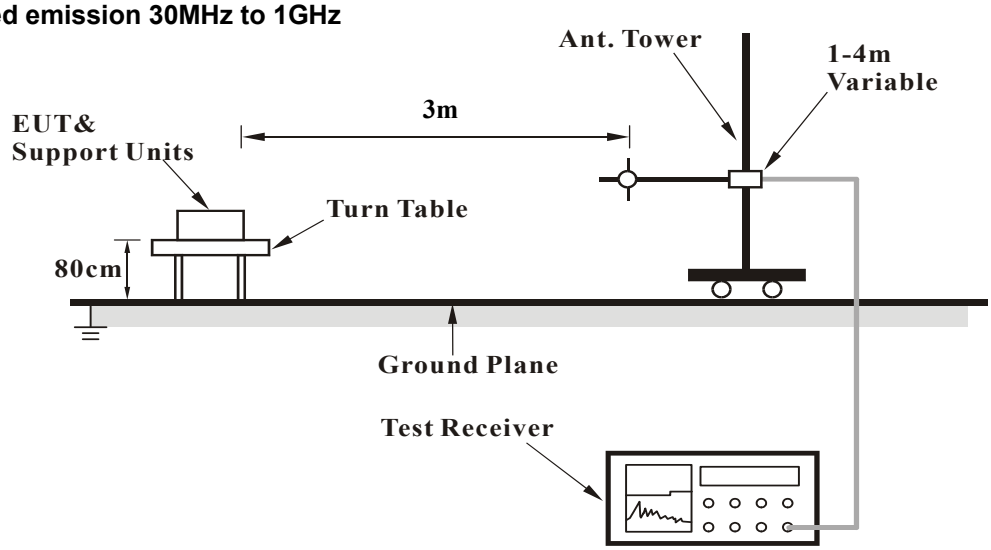
No deviation.

4.1.5 Test Setup

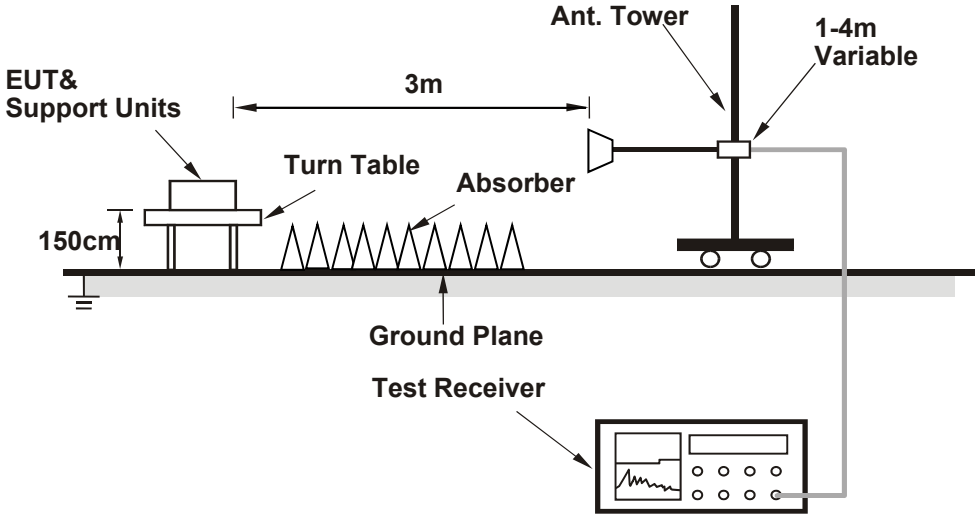
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



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

4.1.6 EUT Operating Conditions

a. Placed the EUT on the testing table.
b. Prepared a notebook to act as a communication partner and placed it outside of testing area.
c. The communication partner connected with EUT via a RJ45 cable and ran a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.
d. The communication partner sent data to EUT by command "PING".

4.1.7 Test Results

Above 1GHz data:

Test Mode A

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.70 PK	74.00	-17.30	1.27 H	95	54.30	2.40
2	5150.00	44.95 AV	54.00	-9.05	1.27 H	95	42.55	2.40
3	*5180.00	114.85 PK			1.28 H	97	74.57	40.28
4	*5180.00	105.49 AV			1.28 H	97	65.21	40.28
5	#10360.00	55.05 PK	68.20	-13.15	2.10 H	111	46.55	8.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	66.53 PK	74.00	-7.47	1.64 V	317	64.13	2.40
2	5150.00	53.70 AV	54.00	-0.30	1.64 V	317	51.30	2.40
3	*5180.00	125.95 PK			1.65 V	316	85.67	40.28
4	*5180.00	116.91 AV			1.65 V	316	76.63	40.28
5	#10360.00	55.19 PK	68.20	-13.01	1.77 V	98	46.69	8.50

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	118.19 PK			3.29 H	169	77.95	40.24
2	*5200.00	108.51 AV			3.29 H	169	68.27	40.24
3	#10400.00	55.20 PK	68.20	-13.00	2.13 H	115	46.75	8.45
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	127.77 PK			1.49 V	311	87.53	40.24
2	*5200.00	118.72 AV			1.49 V	311	78.48	40.24
3	#10400.00	55.27 PK	68.20	-12.93	1.75 V	101	46.82	8.45

Remarks:

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	118.42 PK			1.94 H	170	78.31	40.11
2	*5240.00	109.03 AV			1.94 H	170	68.92	40.11
3	5375.88	57.51 PK	74.00	-16.49	1.95 H	169	55.50	2.01
4	5375.88	44.04 AV	54.00	-9.96	1.95 H	169	42.03	2.01
5	#10480.00	55.37 PK	68.20	-12.83	2.08 H	111	46.88	8.49
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	127.52 PK			1.41 V	282	87.41	40.11
2	*5240.00	117.53 AV			1.41 V	282	77.42	40.11
3	5375.88	63.94 PK	74.00	-10.06	1.40 V	283	61.93	2.01
4	5375.88	47.85 AV	54.00	-6.15	1.40 V	283	45.84	2.01
5	#10480.00	55.41 PK	68.20	-12.79	1.73 V	98	46.92	8.49

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.96 PK	74.00	-18.04	1.89 H	324	53.90	2.06
2	5150.00	43.36 AV	54.00	-10.64	1.89 H	324	41.30	2.06
3	*5260.00	100.74 PK			1.83 H	333	60.90	39.84
4	*5260.00	92.54 AV			1.83 H	333	52.70	39.84
5	#10520.00	54.14 PK	68.20	-14.06	2.66 H	127	46.10	8.04
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	56.96 PK	74.00	-17.04	1.89 V	311	54.90	2.06
2	5150.00	43.56 AV	54.00	-10.44	1.89 V	311	41.50	2.06
3	*5260.00	113.04 PK			1.88 V	309	73.20	39.84
4	*5260.00	103.84 AV			1.88 V	309	64.00	39.84
5	#10520.00	54.74 PK	68.20	-13.46	1.78 V	208	46.70	8.04

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	101.16 PK			1.87 H	345	61.40	39.76
2	*5300.00	92.66 AV			1.87 H	345	52.90	39.76
3	10600.00	54.46 PK	74.00	-19.54	2.58 H	136	46.30	8.16
4	10600.00	41.56 AV	54.00	-12.44	2.58 H	136	33.40	8.16
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	113.36 PK			1.88 V	331	73.60	39.76
2	*5300.00	104.16 AV			1.88 V	331	64.40	39.76
3	10600.00	54.96 PK	74.00	-19.04	1.74 V	218	46.80	8.16
4	10600.00	42.26 AV	54.00	-11.74	1.74 V	218	34.10	8.16

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	100.81 PK			1.94 H	331	61.00	39.81
2	*5320.00	91.91 AV			1.94 H	331	52.10	39.81
3	5350.00	56.11 PK	74.00	-17.89	1.99 H	328	54.30	1.81
4	5350.00	42.91 AV	54.00	-11.09	1.99 H	328	41.10	1.81
5	10640.00	54.43 PK	74.00	-19.57	2.64 H	141	46.30	8.13
6	10640.00	41.73 AV	54.00	-12.27	2.64 H	141	33.60	8.13
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	112.91 PK			1.78 V	177	73.10	39.81
2	*5320.00	103.21 AV			1.78 V	177	63.40	39.81
3	5350.00	56.51 PK	74.00	-17.49	1.69 V	174	54.70	1.81
4	5350.00	43.81 AV	54.00	-10.19	1.69 V	174	42.00	1.81
5	10640.00	54.93 PK	74.00	-19.07	1.79 V	212	46.80	8.13
6	10640.00	42.33 AV	54.00	-11.67	1.79 V	212	34.20	8.13

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.15 PK	74.00	-16.85	2.50 H	200	55.20	1.95
2	5460.00	42.79 AV	54.00	-11.21	2.50 H	200	40.84	1.95
3	#5470.00	56.48 PK	68.20	-11.72	2.55 H	209	54.49	1.99
4	*5500.00	101.24 PK			2.46 H	195	61.08	40.16
5	*5500.00	91.91 AV			2.46 H	195	51.75	40.16
6	11000.00	55.43 PK	74.00	-18.57	1.66 H	125	47.35	8.08
7	11000.00	41.81 AV	54.00	-12.19	1.66 H	125	33.73	8.08
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.73 PK	74.00	-17.27	1.66 V	325	54.78	1.95
2	5460.00	43.67 AV	54.00	-10.33	1.66 V	325	41.72	1.95
3	#5470.00	57.48 PK	68.20	-10.72	1.66 V	329	55.49	1.99
4	*5500.00	111.84 PK			1.53 V	349	71.68	40.16
5	*5500.00	102.70 AV			1.53 V	349	62.54	40.16
6	11000.00	54.57 PK	74.00	-19.43	1.66 V	250	46.49	8.08
7	11000.00	41.24 AV	54.00	-12.76	1.66 V	250	33.16	8.08

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	100.42 PK			1.75 H	272	59.74	40.68
2	*5580.00	91.59 AV			1.75 H	272	50.91	40.68
3	11160.00	55.62 PK	74.00	-18.38	1.66 H	52	47.33	8.29
4	11160.00	42.52 AV	54.00	-11.48	1.66 H	52	34.23	8.29
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	111.58 PK			1.54 V	313	70.90	40.68
2	*5580.00	102.73 AV			1.54 V	313	62.05	40.68
3	11160.00	55.97 PK	74.00	-18.03	1.66 V	244	47.68	8.29
4	11160.00	42.26 AV	54.00	-11.74	1.66 V	244	33.97	8.29

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	101.52 PK			2.94 H	7	60.33	41.19
2	*5700.00	91.78 AV			2.94 H	7	50.59	41.19
3	#5725.00	57.24 PK	68.20	-10.96	2.82 H	360	53.92	3.32
4	11400.00	55.57 PK	74.00	-18.43	1.66 H	254	46.84	8.73
5	11400.00	42.77 AV	54.00	-11.23	1.66 H	254	34.04	8.73
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	112.96 PK			1.50 V	350	71.77	41.19
2	*5700.00	103.49 AV			1.50 V	350	62.30	41.19
3	#5725.00	57.90 PK	68.20	-10.30	1.56 V	348	54.58	3.32
4	11400.00	55.49 PK	74.00	-18.51	1.66 V	54	46.76	8.73
5	11400.00	42.73 AV	54.00	-11.27	1.66 V	54	34.00	8.73

Remarks:

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

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.82 PK	68.20	-11.38	2.70 H	10	54.83	1.99
2	*5720.00	101.90 PK			2.74 H	7	60.57	41.33
3	*5720.00	92.11 AV			2.74 H	7	50.78	41.33
4	#5850.00	58.08 PK	68.20	-10.12	2.70 H	10	54.44	3.64
5	11440.00	55.27 PK	74.00	-18.73	1.67 H	211	46.50	8.77
6	11440.00	42.54 AV	54.00	-11.46	1.67 H	211	33.77	8.77
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.79 PK	68.20	-10.41	1.67 V	201	55.80	1.99
2	*5720.00	113.16 PK			1.65 V	207	71.83	41.33
3	*5720.00	104.18 AV			1.65 V	207	62.85	41.33
4	#5850.00	58.34 PK	68.20	-9.86	1.55 V	221	54.70	3.64
5	11440.00	56.05 PK	74.00	-17.95	1.66 V	254	47.28	8.77
6	11440.00	43.18 AV	54.00	-10.82	1.66 V	254	34.41	8.77

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5628.80	56.87 PK	68.20	-11.33	1.67 H	179	53.95	2.92
2	*5745.00	115.92 PK			1.67 H	179	74.40	41.52
3	*5745.00	107.02 AV			1.67 H	179	65.50	41.52
4	#5939.20	56.84 PK	68.20	-11.36	1.67 H	179	53.26	3.58
5	11490.00	55.24 PK	74.00	-18.76	1.66 H	214	46.40	8.84
6	11490.00	43.34 AV	54.00	-10.66	1.66 H	214	34.50	8.84
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	#5644.40	64.41 PK	68.20	-3.79	1.72 V	220	61.40	3.01
2	*5745.00	126.42 PK			1.72 V	220	84.90	41.52
3	*5745.00	117.22 AV			1.72 V	220	75.70	41.52
4	#5941.60	60.57 PK	68.20	-7.63	1.72 V	220	56.98	3.59
5	11490.00	56.14 PK	74.00	-17.86	1.71 V	251	47.30	8.84
6	11490.00	43.94 AV	54.00	-10.06	1.71 V	251	35.10	8.84

Remarks:

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5602.80	57.16 PK	68.20	-11.04	1.62 H	169	54.40	2.76
2	*5785.00	115.10 PK			1.62 H	169	73.40	41.70
3	*5785.00	106.00 AV			1.62 H	169	64.30	41.70
4	#5981.60	57.20 PK	68.20	-11.00	1.62 H	169	53.53	3.67
5	11570.00	55.36 PK	74.00	-18.64	1.69 H	221	46.60	8.76
6	11570.00	43.26 AV	54.00	-10.74	1.69 H	221	34.50	8.76
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	#5649.20	60.37 PK	68.20	-7.83	1.96 V	198	57.33	3.04
2	*5785.00	125.70 PK			1.96 V	198	84.00	41.70
3	*5785.00	116.10 AV			1.96 V	198	74.40	41.70
4	#5932.80	59.13 PK	68.20	-9.07	1.96 V	198	55.55	3.58
5	11570.00	55.86 PK	74.00	-18.14	1.73 V	258	47.10	8.76
6	11570.00	43.66 AV	54.00	-10.34	1.73 V	258	34.90	8.76

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5645.20	57.53 PK	68.20	-10.67	1.69 H	171	54.51	3.02
2	*5825.00	115.73 PK			1.69 H	171	74.00	41.73
3	*5825.00	106.53 AV			1.69 H	171	64.80	41.73
4	#5935.20	57.90 PK	68.20	-10.30	1.69 H	171	54.32	3.58
5	11650.00	55.00 PK	74.00	-19.00	1.62 H	204	46.20	8.80
6	11650.00	43.20 AV	54.00	-10.80	1.62 H	204	34.40	8.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5627.60	59.47 PK	68.20	-8.73	1.93 V	35	56.56	2.91
2	*5825.00	125.23 PK			1.93 V	35	83.50	41.73
3	*5825.00	115.73 AV			1.93 V	35	74.00	41.73
4	#5931.20	63.28 PK	68.20	-4.92	1.93 V	35	59.70	3.58
5	11650.00	56.10 PK	74.00	-17.90	1.77 V	245	47.30	8.80
6	11650.00	43.80 AV	54.00	-10.20	1.77 V	245	35.00	8.80

Remarks:

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

802.11ax (HE20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.94 PK	74.00	-16.06	1.52 H	98	55.54	2.40
2	5150.00	45.73 AV	54.00	-8.27	1.52 H	98	43.33	2.40
3	*5180.00	114.91 PK			1.51 H	99	74.63	40.28
4	*5180.00	102.69 AV			1.51 H	99	62.41	40.28
5	#10360.00	55.23 PK	68.20	-12.97	2.05 H	114	46.73	8.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	67.57 PK	74.00	-6.43	1.54 V	58	65.17	2.40
2	5150.00	53.64 AV	54.00	-0.36	1.54 V	58	51.24	2.40
3	*5180.00	129.63 PK			1.52 V	57	89.35	40.28
4	*5180.00	116.55 AV			1.52 V	57	76.27	40.28
5	#10360.00	55.36 PK	68.20	-12.84	1.71 V	112	46.87	8.49

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	120.27 PK			1.69 H	84	80.03	40.24
2	*5200.00	107.26 AV			1.69 H	84	67.02	40.24
3	#10400.00	55.26 PK	68.20	-12.94	2.01 H	109	46.81	8.45
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	130.72 PK			1.40 V	320	90.48	40.24
2	*5200.00	118.49 AV			1.40 V	320	78.25	40.24
3	#10400.00	55.42 PK	68.20	-12.78	1.65 V	116	46.97	8.45

Remarks:

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	121.40 PK			1.80 H	68	81.29	40.11
2	*5240.00	108.20 AV			1.80 H	68	68.09	40.11
3	5350.00	57.72 PK	74.00	-16.28	1.81 H	67	55.67	2.05
4	5350.00	43.95 AV	54.00	-10.05	1.81 H	67	41.90	2.05
5	#10480.00	55.37 PK	68.20	-12.83	1.99 H	112	46.88	8.49
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	131.83 PK			1.41 V	69	91.72	40.11
2	*5240.00	118.20 AV			1.41 V	69	78.09	40.11
3	5350.00	60.31 PK	74.00	-13.69	1.42 V	68	58.30	2.01
4	5350.00	47.94 AV	54.00	-6.06	1.42 V	68	45.93	2.01
5	#10480.00	55.40 PK	68.20	-12.80	1.71 V	112	46.91	8.49

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.68 PK	74.00	-18.32	1.80 H	238	53.62	2.06
2	5150.00	43.09 AV	54.00	-10.91	1.80 H	238	41.03	2.06
3	*5260.00	105.46 PK			1.79 H	239	65.62	39.84
4	*5260.00	92.65 AV			1.79 H	239	52.81	39.84
5	#10520.00	54.65 PK	68.20	-13.55	1.55 H	258	46.61	8.04
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	55.62 PK	74.00	-18.38	1.48 V	297	53.56	2.06
2	5150.00	43.54 AV	54.00	-10.46	1.48 V	297	41.48	2.06
3	*5260.00	116.55 PK			1.47 V	295	76.71	39.84
4	*5260.00	103.84 AV			1.47 V	295	64.00	39.84
5	#10520.00	54.56 PK	68.20	-13.64	1.47 V	295	46.52	8.04

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	106.74 PK			1.85 H	236	66.98	39.76
2	*5300.00	93.80 AV			1.85 H	236	54.04	39.76
3	10600.00	55.07 PK	74.00	-18.93	1.55 H	152	46.91	8.16
4	10600.00	41.93 AV	54.00	-12.07	1.55 H	152	33.77	8.16
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	115.26 PK			1.52 V	357	75.50	39.76
2	*5300.00	102.81 AV			1.52 V	357	63.05	39.76
3	10600.00	55.20 PK	74.00	-18.80	1.66 V	241	47.04	8.16
4	10600.00	41.94 AV	54.00	-12.06	1.66 V	241	33.78	8.16

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	107.03 PK			1.85 H	235	67.22	39.81
2	*5320.00	93.45 AV			1.85 H	235	53.64	39.81
3	5350.00	55.57 PK	74.00	-18.43	1.87 H	237	53.76	1.81
4	5350.00	42.75 AV	54.00	-11.25	1.87 H	237	40.94	1.81
5	10640.00	54.35 PK	74.00	-19.65	1.68 H	80	46.22	8.13
6	10640.00	41.39 AV	54.00	-12.61	1.68 H	80	33.26	8.13
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	116.69 PK			1.63 V	232	76.88	39.81
2	*5320.00	103.91 AV			1.63 V	232	64.10	39.81
3	5350.00	56.07 PK	74.00	-17.93	1.60 V	230	54.26	1.81
4	5350.00	42.96 AV	54.00	-11.04	1.60 V	230	41.15	1.81
5	10640.00	54.60 PK	74.00	-19.40	1.66 V	244	46.47	8.13
6	10640.00	41.65 AV	54.00	-12.35	1.66 V	244	33.52	8.13

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.15 PK	74.00	-17.85	2.71 H	299	54.20	1.95
2	5460.00	43.15 AV	54.00	-10.85	2.71 H	299	41.20	1.95
3	#5470.00	56.59 PK	68.20	-11.61	2.72 H	300	54.60	1.99
4	*5500.00	104.66 PK			2.77 H	306	64.50	40.16
5	*5500.00	92.56 AV			2.77 H	306	52.40	40.16
6	11000.00	54.48 PK	74.00	-19.52	1.62 H	208	46.40	8.08
7	11000.00	41.18 AV	54.00	-12.82	1.62 H	208	33.10	8.08
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.65 PK	74.00	-17.35	1.60 V	341	54.70	1.95
2	5460.00	43.65 AV	54.00	-10.35	1.60 V	341	41.70	1.95
3	#5470.00	57.09 PK	68.20	-11.11	1.55 V	337	55.10	1.99
4	*5500.00	114.36 PK			1.53 V	336	74.20	40.16
5	*5500.00	102.66 AV			1.53 V	336	62.50	40.16
6	11000.00	54.68 PK	74.00	-19.32	1.67 V	249	46.60	8.08
7	11000.00	41.28 AV	54.00	-12.72	1.67 V	249	33.20	8.08

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	106.78 PK			2.74 H	292	66.10	40.68
2	*5580.00	94.28 AV			2.74 H	292	53.60	40.68
3	11160.00	54.69 PK	74.00	-19.31	1.64 H	199	46.40	8.29
4	11160.00	41.49 AV	54.00	-12.51	1.64 H	199	33.20	8.29
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	114.88 PK			1.57 V	349	74.20	40.68
2	*5580.00	102.78 AV			1.57 V	349	62.10	40.68
3	11160.00	56.09 PK	74.00	-17.91	1.62 V	247	47.80	8.29
4	11160.00	42.39 AV	54.00	-11.61	1.62 V	247	34.10	8.29

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.89 PK			2.77 H	289	65.70	41.19
2	*5700.00	94.49 AV			2.77 H	289	53.30	41.19
3	#5725.00	58.52 PK	68.20	-9.68	2.80 H	288	55.20	3.32
4	11400.00	55.13 PK	74.00	-18.87	1.55 H	210	46.40	8.73
5	11400.00	42.23 AV	54.00	-11.77	1.55 H	210	33.50	8.73
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	115.39 PK			1.56 V	356	74.20	41.19
2	*5700.00	102.29 AV			1.56 V	356	61.10	41.19
3	#5725.00	57.72 PK	68.20	-10.48	1.63 V	347	54.40	3.32
4	11400.00	56.43 PK	74.00	-17.57	1.59 V	255	47.70	8.73
5	11400.00	43.13 AV	54.00	-10.87	1.59 V	255	34.40	8.73

Remarks:

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

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.09 PK	68.20	-11.11	2.83 H	299	55.10	1.99
2	*5720.00	106.97 PK			2.82 H	295	65.64	41.33
3	*5720.00	94.27 AV			2.82 H	295	52.94	41.33
4	#5850.00	59.04 PK	68.20	-9.16	2.89 H	293	55.40	3.64
5	11440.00	54.97 PK	74.00	-19.03	1.69 H	213	46.20	8.77
6	11440.00	42.07 AV	54.00	-11.93	1.69 H	213	33.30	8.77
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.59 PK	68.20	-11.61	1.59 V	345	54.60	1.99
2	*5720.00	114.97 PK			1.56 V	345	73.64	41.33
3	*5720.00	102.77 AV			1.56 V	345	61.44	41.33
4	#5850.00	57.74 PK	68.20	-10.46	1.54 V	339	54.10	3.64
5	11440.00	56.37 PK	74.00	-17.63	1.66 V	256	47.60	8.77
6	11440.00	43.07 AV	54.00	-10.93	1.66 V	256	34.30	8.77

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5634.80	57.47 PK	68.20	-10.73	1.73 H	169	54.52	2.95
2	*5745.00	117.72 PK			1.73 H	169	76.20	41.52
3	*5745.00	105.22 AV			1.73 H	169	63.70	41.52
4	#5982.80	57.27 PK	68.20	-10.93	1.73 H	169	53.59	3.68
5	11490.00	55.34 PK	74.00	-18.66	1.62 H	210	46.50	8.84
6	11490.00	43.24 AV	54.00	-10.76	1.62 H	210	34.40	8.84
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	#5644.40	66.77 PK	68.20	-1.43	1.62 V	35	63.76	3.01
2	*5745.00	128.42 PK			1.62 V	35	86.90	41.52
3	*5745.00	116.42 AV			1.62 V	35	74.90	41.52
4	#5954.00	58.58 PK	68.20	-9.62	1.62 V	35	54.99	3.59
5	11490.00	56.14 PK	74.00	-17.86	1.66 V	261	47.30	8.84
6	11490.00	43.54 AV	54.00	-10.46	1.66 V	261	34.70	8.84

Remarks:

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5611.60	57.62 PK	68.20	-10.58	1.71 H	343	54.81	2.81
2	*5785.00	116.20 PK			1.71 H	343	74.50	41.70
3	*5785.00	104.40 AV			1.71 H	343	62.70	41.70
4	#5952.00	58.31 PK	68.20	-9.89	1.71 H	343	54.72	3.59
5	11570.00	55.26 PK	74.00	-18.74	1.61 H	196	46.50	8.76
6	11570.00	43.06 AV	54.00	-10.94	1.61 H	196	34.30	8.76
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	#5639.20	59.97 PK	68.20	-8.23	1.71 V	225	56.99	2.98
2	*5785.00	127.80 PK			1.71 V	225	86.10	41.70
3	*5785.00	115.80 AV			1.71 V	225	74.10	41.70
4	#5931.20	59.77 PK	68.20	-8.43	1.71 V	225	56.19	3.58
5	11570.00	55.96 PK	74.00	-18.04	1.70 V	259	47.20	8.76
6	11570.00	43.66 AV	54.00	-10.34	1.70 V	259	34.90	8.76

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5622.40	56.67 PK	68.20	-11.53	1.56 H	338	53.79	2.88
2	*5825.00	117.93 PK			1.56 H	338	76.20	41.73
3	*5825.00	105.63 AV			1.56 H	338	63.90	41.73
4	#5967.60	58.18 PK	68.20	-10.02	1.56 H	338	54.55	3.63
5	11650.00	55.00 PK	74.00	-19.00	1.70 H	198	46.20	8.80
6	11650.00	43.30 AV	54.00	-10.70	1.70 H	198	34.50	8.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5629.60	60.11 PK	68.20	-8.09	1.67 V	295	57.19	2.92
2	*5825.00	127.83 PK			1.67 V	295	86.10	41.73
3	*5825.00	115.73 AV			1.67 V	295	74.00	41.73
4	#5933.20	63.37 PK	68.20	-4.83	1.67 V	295	59.79	3.58
5	11650.00	56.20 PK	74.00	-17.80	1.68 V	262	47.40	8.80
6	11650.00	44.10 AV	54.00	-9.90	1.68 V	262	35.30	8.80

Remarks:

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

802.11ax (HE40)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.13 PK	74.00	-16.87	1.52 H	101	54.73	2.40
2	5150.00	44.38 AV	54.00	-9.62	1.52 H	101	41.98	2.40
3	*5190.00	110.55 PK			1.50 H	102	70.29	40.26
4	*5190.00	98.33 AV			1.50 H	102	58.07	40.26
5	#10380.00	55.25 PK	68.20	-12.95	2.00 H	116	46.77	8.48
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	70.78 PK	74.00	-3.22	1.42 V	140	68.38	2.40
2	5150.00	53.43 AV	54.00	-0.57	1.42 V	140	51.03	2.40
3	*5190.00	122.35 PK			1.41 V	142	82.09	40.26
4	*5190.00	109.36 AV			1.41 V	142	69.10	40.26
5	#10380.00	55.41 PK	68.20	-12.79	1.74 V	115	46.93	8.48

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.03 PK	74.00	-16.97	1.52 H	99	54.63	2.40
2	5150.00	44.46 AV	54.00	-9.54	1.52 H	99	42.06	2.40
3	*5230.00	114.75 PK			1.50 H	102	74.60	40.15
4	*5230.00	102.02 AV			1.50 H	102	61.87	40.15
5	#10460.00	55.27 PK	68.20	-12.93	2.03 H	109	46.79	8.48
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	65.43 PK	74.00	-8.57	1.43 V	46	63.03	2.40
2	5150.00	53.59 AV	54.00	-0.41	1.43 V	46	51.19	2.40
3	*5230.00	128.29 PK			1.42 V	45	88.14	40.15
4	*5230.00	114.53 AV			1.42 V	45	74.38	40.15
5	#10460.00	55.43 PK	68.20	-12.77	1.78 V	111	46.95	8.48

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.06 PK	74.00	-15.94	2.34 H	269	56.00	2.06
2	5150.00	43.46 AV	54.00	-10.54	2.34 H	269	41.40	2.06
3	*5270.00	111.32 PK			2.38 H	271	71.50	39.82
4	*5270.00	98.35 AV			2.38 H	271	58.53	39.82
5	#10540.00	55.75 PK	68.20	-12.45	1.65 H	52	47.68	8.07
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.07 PK	74.00	-15.93	2.50 V	344	56.01	2.06
2	5150.00	46.84 AV	54.00	-7.16	2.50 V	344	44.78	2.06
3	*5270.00	116.82 PK			2.73 V	344	77.00	39.82
4	*5270.00	103.77 AV			2.73 V	344	63.95	39.82
5	#10540.00	55.02 PK	68.20	-13.18	1.61 V	344	46.95	8.07

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	111.83 PK			1.89 H	222	72.05	39.78
2	*5310.00	98.56 AV			1.89 H	222	58.78	39.78
3	5350.00	56.25 PK	74.00	-17.75	1.90 H	212	54.44	1.81
4	5350.00	42.98 AV	54.00	-11.02	1.90 H	212	41.17	1.81
5	10620.00	54.69 PK	74.00	-19.31	1.66 H	210	46.54	8.15
6	10620.00	41.78 AV	54.00	-12.22	1.66 H	210	33.63	8.15
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	121.25 PK			1.71 V	241	81.47	39.78
2	*5310.00	108.48 AV			1.71 V	241	68.70	39.78
3	5350.00	58.62 PK	74.00	-15.38	1.70 V	245	56.81	1.81
4	5350.00	45.16 AV	54.00	-8.84	1.70 V	245	43.35	1.81
5	10620.00	54.67 PK	74.00	-19.33	1.66 V	200	46.52	8.15
6	10620.00	41.34 AV	54.00	-12.66	1.66 V	200	33.19	8.15

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.05 PK	74.00	-17.95	2.82 H	285	54.10	1.95
2	5460.00	43.15 AV	54.00	-10.85	2.82 H	285	41.20	1.95
3	#5470.00	56.89 PK	68.20	-11.31	2.80 H	289	54.90	1.99
4	*5510.00	106.92 PK			2.86 H	289	66.70	40.22
5	*5510.00	94.32 AV			2.86 H	289	54.10	40.22
6	11020.00	54.81 PK	74.00	-19.19	1.70 H	198	46.70	8.11
7	11020.00	41.51 AV	54.00	-12.49	1.70 H	198	33.40	8.11
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	61.45 PK	74.00	-12.55	1.76 V	266	59.50	1.95
2	5460.00	47.85 AV	54.00	-6.15	1.76 V	266	45.90	1.95
3	#5470.00	67.09 PK	68.20	-1.11	1.70 V	261	65.10	1.99
4	*5510.00	117.62 PK			1.66 V	272	77.40	40.22
5	*5510.00	105.22 AV			1.66 V	272	65.00	40.22
6	11020.00	55.91 PK	74.00	-18.09	1.67 V	238	47.80	8.11
7	11020.00	42.41 AV	54.00	-11.59	1.67 V	238	34.30	8.11

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	107.39 PK			2.87 H	291	66.90	40.49
2	*5550.00	95.09 AV			2.87 H	291	54.60	40.49
3	11100.00	54.46 PK	74.00	-19.54	1.52 H	203	46.20	8.26
4	11100.00	41.76 AV	54.00	-12.24	1.52 H	203	33.50	8.26
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	117.39 PK			1.75 V	260	76.90	40.49
2	*5550.00	105.99 AV			1.75 V	260	65.50	40.49
3	11100.00	56.16 PK	74.00	-17.84	1.63 V	250	47.90	8.26
4	11100.00	42.86 AV	54.00	-11.14	1.63 V	250	34.60	8.26

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	109.03 PK			2.86 H	288	67.90	41.13
2	*5670.00	96.03 AV			2.86 H	288	54.90	41.13
3	#5725.00	58.32 PK	68.20	-9.88	2.88 H	293	55.00	3.32
4	11340.00	55.44 PK	74.00	-18.56	1.66 H	195	46.70	8.74
5	11340.00	42.54 AV	54.00	-11.46	1.66 H	195	33.80	8.74
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	117.73 PK			1.74 V	221	76.60	41.13
2	*5670.00	105.83 AV			1.74 V	221	64.70	41.13
3	#5725.00	61.32 PK	68.20	-6.88	1.60 V	221	58.00	3.32
4	11340.00	56.14 PK	74.00	-17.86	1.66 V	257	47.40	8.74
5	11340.00	43.24 AV	54.00	-10.76	1.66 V	257	34.50	8.74

Remarks:

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

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.39 PK	68.20	-11.81	2.80 H	293	54.40	1.99
2	*5710.00	109.07 PK			2.84 H	292	67.80	41.27
3	*5710.00	96.77 AV			2.84 H	292	55.50	41.27
4	#5850.00	58.84 PK	68.20	-9.36	2.88 H	292	55.20	3.64
5	11420.00	54.65 PK	74.00	-19.35	1.69 H	201	45.90	8.75
6	11420.00	42.25 AV	54.00	-11.75	1.69 H	201	33.50	8.75
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.49 PK	68.20	-11.71	1.55 V	227	54.50	1.99
2	*5710.00	118.77 PK			1.57 V	222	77.50	41.27
3	*5710.00	105.97 AV			1.57 V	222	64.70	41.27
4	#5850.00	58.24 PK	68.20	-9.96	1.60 V	231	54.60	3.64
5	11420.00	56.25 PK	74.00	-17.75	1.66 V	253	47.50	8.75
6	11420.00	43.15 AV	54.00	-10.85	1.66 V	253	34.40	8.75

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5635.60	57.22 PK	68.20	-10.98	3.00 H	298	54.26	2.96
2	*5755.00	114.97 PK			3.00 H	298	73.40	41.57
3	*5755.00	102.77 AV			3.00 H	298	61.20	41.57
4	#5956.40	57.37 PK	68.20	-10.83	3.00 H	298	53.78	3.59
5	11510.00	55.23 PK	74.00	-18.77	1.66 H	204	46.40	8.83
6	11510.00	42.93 AV	54.00	-11.07	1.66 H	204	34.10	8.83
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	#5647.20	62.06 PK	68.20	-6.14	1.63 V	226	59.03	3.03
2	*5755.00	123.47 PK			1.63 V	226	81.90	41.57
3	*5755.00	111.37 AV			1.63 V	226	69.80	41.57
4	#5939.20	58.56 PK	68.20	-9.64	1.63 V	226	54.98	3.58
5	11510.00	56.03 PK	74.00	-17.97	1.67 V	248	47.20	8.83
6	11510.00	43.13 AV	54.00	-10.87	1.67 V	248	34.30	8.83

Remarks:

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5636.40	60.47 PK	68.20	-7.73	3.19 H	299	57.51	2.96
2	*5795.00	115.44 PK			3.19 H	299	73.70	41.74
3	*5795.00	103.34 AV			3.19 H	299	61.60	41.74
4	#5934.40	61.09 PK	68.20	-7.11	3.19 H	299	57.51	3.58
5	11590.00	54.94 PK	74.00	-19.06	1.72 H	193	46.20	8.74
6	11590.00	43.04 AV	54.00	-10.96	1.72 H	193	34.30	8.74
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	#5642.80	63.84 PK	68.20	-4.36	1.56 V	214	60.84	3.00
2	*5795.00	126.14 PK			1.56 V	214	84.40	41.74
3	*5795.00	113.24 AV			1.56 V	214	71.50	41.74
4	#5938.40	62.43 PK	68.20	-5.77	1.56 V	214	58.85	3.58
5	11590.00	56.04 PK	74.00	-17.96	1.63 V	251	47.30	8.74
6	11590.00	43.24 AV	54.00	-10.76	1.63 V	251	34.50	8.74

Remarks:

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 (HE80)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.02 PK	74.00	-16.98	1.55 H	78	54.62	2.40
2	5150.00	44.92 AV	54.00	-9.08	1.55 H	78	42.52	2.40
3	*5210.00	104.11 PK			1.54 H	80	63.90	40.21
4	*5210.00	92.89 AV			1.54 H	80	52.68	40.21
5	#10420.00	55.27 PK	68.20	-12.93	2.08 H	110	46.81	8.46
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	65.76 PK	74.00	-8.24	1.49 V	47	63.36	2.40
2	**5150.00**	**53.88 AV**	**54.00**	**-0.12**	**1.49 V**	**47**	**51.48**	**2.40**
3	*5210.00	117.47 PK			1.50 V	45	77.26	40.21
4	*5210.00	104.75 AV			1.50 V	45	64.54	40.21
5	#10420.00	55.36 PK	68.20	-12.84	1.71 V	112	46.90	8.46

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.85 PK	74.00	-18.15	2.20 H	150	53.79	2.06
2	5150.00	43.14 AV	54.00	-10.86	2.20 H	150	41.08	2.06
3	*5290.00	104.77 PK			2.19 H	146	64.99	39.78
4	*5290.00	92.82 AV			2.19 H	146	53.04	39.78
5	#10580.00	54.68 PK	68.20	-13.52	1.66 H	211	46.55	8.13
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	*5290.00	116.41 PK			1.63 V	44	76.63	39.78
2	*5290.00	103.09 AV			1.63 V	44	63.31	39.78
3	5350.00	70.89 PK	74.00	-3.11	1.63 V	241	69.08	1.81
4	5350.00	52.85 AV	54.00	-1.15	1.63 V	241	51.04	1.81
5	#10580.00	54.74 PK	68.20	-13.46	2.11 V	250	46.61	8.13

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.15 PK	74.00	-17.85	2.85 H	289	54.20	1.95
2	5460.00	43.45 AV	54.00	-10.55	2.85 H	289	41.50	1.95
3	#5470.00	57.39 PK	68.20	-10.81	2.80 H	291	55.40	1.99
4	*5530.00	105.85 PK			2.86 H	290	65.50	40.35
5	*5530.00	92.75 AV			2.86 H	290	52.40	40.35
6	11060.00	54.58 PK	74.00	-19.42	1.71 H	203	46.40	8.18
7	11060.00	41.68 AV	54.00	-12.32	1.71 H	203	33.50	8.18
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	62.15 PK	74.00	-11.85	1.86 V	244	60.20	1.95
2	5460.00	49.45 AV	54.00	-4.55	1.86 V	244	47.50	1.95
3	#5470.00	66.89 PK	68.20	-1.31	1.74 V	263	64.90	1.99
4	*5530.00	113.35 PK			1.58 V	273	73.00	40.35
5	*5530.00	102.15 AV			1.58 V	273	61.80	40.35
6	11060.00	55.38 PK	74.00	-18.62	1.71 V	256	47.20	8.18
7	11060.00	42.58 AV	54.00	-11.42	1.71 V	256	34.40	8.18

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5610.00	106.96 PK			2.79 H	299	66.10	40.86
2	*5610.00	95.26 AV			2.79 H	299	54.40	40.86
3	#5725.00	58.02 PK	68.20	-10.18	2.81 H	302	54.70	3.32
4	11220.00	55.30 PK	74.00	-18.70	1.68 H	198	46.90	8.40
5	11220.00	42.20 AV	54.00	-11.80	1.68 H	198	33.80	8.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5610.00	118.56 PK			1.69 V	218	77.70	40.86
2	*5610.00	104.96 AV			1.69 V	218	64.10	40.86
3	#5725.00	63.52 PK	68.20	-4.68	1.73 V	214	60.20	3.32
4	11220.00	55.90 PK	74.00	-18.10	1.61 V	244	47.50	8.40
5	11220.00	43.00 AV	54.00	-11.00	1.61 V	244	34.60	8.40

Remarks:

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

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.69 PK	68.20	-11.51	2.62 H	231	54.70	1.99
2	*5690.00	107.37 PK			2.77 H	228	66.20	41.17
3	*5690.00	96.37 AV			2.77 H	228	55.20	41.17
4	#5850.00	58.74 PK	68.20	-9.46	2.75 H	225	55.10	3.64
5	11380.00	55.44 PK	74.00	-18.56	1.52 H	207	46.70	8.74
6	11380.00	42.54 AV	54.00	-11.46	1.52 H	207	33.80	8.74
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.09 PK	68.20	-11.11	1.59 V	230	55.10	1.99
2	*5690.00	117.37 PK			1.55 V	221	76.20	41.17
3	*5690.00	105.47 AV			1.55 V	221	64.30	41.17
4	#5850.00	59.54 PK	68.20	-8.66	1.56 V	226	55.90	3.64
5	11380.00	56.34 PK	74.00	-17.66	1.59 V	248	47.60	8.74
6	11380.00	43.34 AV	54.00	-10.66	1.59 V	248	34.60	8.74

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5633.20	57.57 PK	68.20	-10.63	3.27 H	298	54.63	2.94
2	*5775.00	111.36 PK			3.27 H	298	69.70	41.66
3	*5775.00	97.56 AV			3.27 H	298	55.90	41.66
4	#5968.00	57.23 PK	68.20	-10.97	3.27 H	298	53.60	3.63
5	11550.00	54.78 PK	74.00	-19.22	1.67 H	207	46.00	8.78
6	11550.00	42.88 AV	54.00	-11.12	1.67 H	207	34.10	8.78
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5632.40	61.21 PK	68.20	-6.99	1.69 V	219	58.27	2.94
2	*5775.00	119.56 PK			1.69 V	219	77.90	41.66
3	*5775.00	107.76 AV			1.69 V	219	66.10	41.66
4	#5926.00	60.34 PK	68.20	-7.86	1.69 V	219	56.76	3.58
5	11550.00	55.68 PK	74.00	-18.32	1.65 V	255	46.90	8.78
6	11550.00	43.28 AV	54.00	-10.72	1.65 V	255	34.50	8.78

Remarks:

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

802.11ax (HE80+80)

CHANNEL	TX Channel 42+58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5130.00	59.29 PK	74.00	-14.71	1.82 H	64	56.90	2.39
2	5130.00	44.99 AV	54.00	-9.01	1.82 H	64	42.60	2.39
3	5150.00	58.30 PK	74.00	-15.70	1.75 H	65	55.90	2.40
4	5150.00	45.20 AV	54.00	-8.80	1.75 H	65	42.80	2.40
5	*5210.00	97.51 PK			1.81 H	61	57.30	40.21
6	*5210.00	85.01 AV			1.81 H	61	44.80	40.21
7	*5290.00	97.52 PK			1.70 H	243	57.50	40.02
8	*5290.00	84.42 AV			1.70 H	243	44.40	40.02
9	5350.00	57.85 PK	74.00	-16.15	1.79 H	250	55.80	2.05
10	5350.00	44.65 AV	54.00	-9.35	1.79 H	250	42.60	2.05
11	#10420.00	56.46 PK	68.20	-11.74	2.62 H	145	48.00	8.46
12	#10580.00	56.63 PK	68.20	-11.57	2.79 H	131	47.90	8.73
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	5130.00	59.69 PK	74.00	-14.31	2.03 V	300	57.30	2.39
2	5130.00	48.49 AV	54.00	-5.51	2.03 V	300	46.10	2.39
3	5150.00	60.40 PK	74.00	-13.60	2.02 V	312	58.00	2.40
4	5150.00	46.60 AV	54.00	-7.40	2.02 V	312	44.20	2.40
5	*5210.00	109.21 PK			2.11 V	305	69.00	40.21
6	*5210.00	96.71 AV			2.11 V	305	56.50	40.21
7	*5290.00	106.92 PK			2.03 V	141	66.90	40.02
8	*5290.00	93.72 AV			2.03 V	141	53.70	40.02
9	5350.00	59.55 PK	74.00	-14.45	1.97 V	151	57.50	2.05
10	5350.00	46.45 AV	54.00	-7.55	1.97 V	151	44.40	2.05
11	#10420.00	56.86 PK	68.20	-11.34	1.86 V	205	48.40	8.46
12	#10580.00	57.23 PK	68.20	-10.97	2.01 V	219	48.50	8.73

Remarks:

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

802.11ax (HE80+80)

CHANNEL	TX Channel 106+122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5370.00	58.73 PK	74.00	-15.27	1.71 H	100	56.70	2.03
2	5370.00	44.73 AV	54.00	-9.27	1.71 H	100	42.70	2.03
3	5460.00	58.70 PK	74.00	-15.30	1.69 H	99	56.60	2.10
4	5460.00	45.40 AV	54.00	-8.60	1.69 H	99	43.30	2.10
5	5470.00	59.53 PK	68.20	-8.67	1.72 H	102	57.40	2.13
1	*5530.00	103.62 PK			1.67 H	93	63.20	40.42
2	*5530.00	90.72 AV			1.67 H	93	50.30	40.42
3	*5610.00	103.28 PK			1.92 H	3	62.20	41.08
4	*5610.00	90.68 AV			1.92 H	3	49.60	41.08
5	#5725.00	60.02 PK	68.20	-8.18	1.84 H	10	56.40	3.62
6	11060.00	57.18 PK	74.00	-16.82	2.58 H	142	48.30	8.88
7	11060.00	38.48 AV	54.00	-15.52	2.58 H	142	29.60	8.88
8	11220.00	57.96 PK	74.00	-16.04	2.81 H	125	49.10	8.86
9	11220.00	38.76 AV	54.00	-15.24	2.81 H	125	29.90	8.86
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	5370.00	61.13 PK	74.00	-12.87	1.60 V	354	59.10	2.03
2	5370.00	53.03 AV	54.00	-0.97	1.60 V	354	51.00	2.03
3	5460.00	65.00 PK	74.00	-9.00	1.70 V	1	62.90	2.10
4	5460.00	52.30 AV	54.00	-1.70	1.70 V	1	50.20	2.10
5	5470.00	67.63 PK	68.20	-0.57	1.69 V	358	65.50	2.13
1	*5530.00	114.92 PK			1.59 V	359	74.50	40.42
2	*5530.00	102.22 AV			1.59 V	359	61.80	40.42
3	*5610.00	112.88 PK			1.68 V	274	71.80	41.08
4	*5610.00	100.28 AV			1.68 V	274	59.20	41.08
5	#5725.00	65.62 PK	68.20	-2.58	1.77 V	281	62.00	3.62
6	11060.00	57.78 PK	74.00	-16.22	2.05 V	217	48.90	8.88
7	11060.00	39.48 AV	54.00	-14.52	2.05 V	217	30.60	8.88
8	11220.00	58.36 PK	74.00	-15.64	1.96 V	223	49.50	8.86
9	11220.00	39.16 AV	54.00	-14.84	1.96 V	223	30.30	8.86

Remarks:

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

Test Mode C

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	66.30 PK	74.00	-7.70	1.57 H	2	63.90	2.40
2	5150.00	51.70 AV	54.00	-2.30	1.57 H	2	49.30	2.40
3	*5180.00	123.98 PK			1.46 H	19	83.70	40.28
4	*5180.00	114.98 AV			1.46 H	19	74.70	40.28
5	#10360.00	56.00 PK	68.20	-12.20	1.66 H	353	47.50	8.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.80 PK	74.00	-15.20	2.58 V	352	56.40	2.40
2	5150.00	46.50 AV	54.00	-7.50	2.58 V	352	44.10	2.40
3	*5180.00	120.68 PK			2.69 V	358	80.40	40.28
4	*5180.00	110.98 AV			2.69 V	358	70.70	40.28
5	#10360.00	55.90 PK	68.20	-12.30	2.67 V	354	47.40	8.50

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	124.04 PK			1.60 H	3	83.80	40.24
2	*5200.00	115.04 AV			1.60 H	3	74.80	40.24
3	#10400.00	56.15 PK	68.20	-12.05	1.69 H	350	47.70	8.45
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	120.84 PK			2.51 V	353	80.60	40.24
2	*5200.00	111.04 AV			2.51 V	353	70.80	40.24
3	#10400.00	56.05 PK	68.20	-12.15	2.62 V	357	47.60	8.45

Remarks:

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	123.31 PK			1.88 H	17	83.20	40.11
2	*5240.00	113.71 AV			1.88 H	17	73.60	40.11
3	5350.00	60.15 PK	74.00	-13.85	1.81 H	19	58.10	2.05
4	5350.00	46.25 AV	54.00	-7.75	1.81 H	19	44.20	2.05
5	5376.00	58.91 PK	74.00	-15.09	1.76 H	20	56.90	2.01
6	5376.00	47.71 AV	54.00	-6.29	1.76 H	20	45.70	2.01
7	#10480.00	56.29 PK	68.20	-11.91	1.72 H	349	47.80	8.49
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	120.41 PK			2.53 V	19	80.30	40.11
2	*5240.00	111.41 AV			2.53 V	19	71.30	40.11
3	5350.00	58.45 PK	74.00	-15.55	2.60 V	22	56.40	2.05
4	5350.00	45.55 AV	54.00	-8.45	2.60 V	22	43.50	2.05
5	5376.00	58.51 PK	74.00	-15.49	2.58 V	12	56.50	2.01
6	5376.00	46.81 AV	54.00	-7.19	2.58 V	12	44.80	2.01
7	#10480.00	56.09 PK	68.20	-12.11	2.72 V	358	47.60	8.49

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5260.00	113.89 PK			1.18 H	343	74.05	39.84
2	*5260.00	104.64 AV			1.18 H	343	64.80	39.84
3	5376.00	56.65 PK	74.00	-17.35	2.28 H	355	54.88	1.77
4	5376.00	44.28 AV	54.00	-9.72	2.28 H	355	42.51	1.77
5	#10520.00	55.67 PK	68.20	-12.53	1.66 H	133	47.63	8.04
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	*5260.00	111.58 PK			2.50 V	347	71.74	39.84
2	*5260.00	102.09 AV			2.50 V	347	62.25	39.84
3	5376.00	56.48 PK	74.00	-17.52	2.60 V	352	54.71	1.77
4	5376.00	44.84 AV	54.00	-9.16	2.60 V	352	43.07	1.77
5	#10520.00	55.65 PK	68.20	-12.55	1.66 V	241	47.61	8.04

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	114.53 PK			1.73 H	5	74.77	39.76
2	*5300.00	105.14 AV			1.73 H	5	65.38	39.76
3	10600.00	54.90 PK	74.00	-19.10	1.66 H	255	46.74	8.16
4	10600.00	42.32 AV	54.00	-11.68	1.66 H	255	34.16	8.16
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	111.28 PK			2.51 V	360	71.52	39.76
2	*5300.00	101.90 AV			2.51 V	360	62.14	39.76
3	10600.00	55.61 PK	74.00	-18.39	1.66 V	332	47.45	8.16
4	10600.00	42.69 AV	54.00	-11.31	1.66 V	332	34.53	8.16

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	114.35 PK			1.00 H	344	74.54	39.81
2	*5320.00	105.25 AV			1.00 H	344	65.44	39.81
3	5376.00	56.86 PK	74.00	-17.14	1.08 H	350	55.09	1.77
4	5376.00	44.22 AV	54.00	-9.78	1.08 H	350	42.45	1.77
5	10640.00	54.30 PK	74.00	-19.70	1.66 H	285	46.17	8.13
6	10640.00	41.75 AV	54.00	-12.25	1.66 H	285	33.62	8.13
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	112.03 PK			3.11 V	348	72.22	39.81
2	*5320.00	102.27 AV			3.11 V	348	62.46	39.81
3	5376.00	56.51 PK	74.00	-17.49	3.12 V	347	54.74	1.77
4	5376.00	44.70 AV	54.00	-9.30	3.12 V	347	42.93	1.77
5	10640.00	54.60 PK	74.00	-19.40	1.66 V	254	46.47	8.13
6	10640.00	41.80 AV	54.00	-12.20	1.66 V	254	33.67	8.13

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5376.00	56.59 PK	74.00	-17.41	1.91 H	349	54.82	1.77
2	5376.00	43.83 AV	54.00	-10.17	1.91 H	349	42.06	1.77
3	#5470.00	58.18 PK	68.20	-10.02	1.30 H	330	56.19	1.99
4	*5500.00	113.11 PK			1.22 H	349	72.95	40.16
5	*5500.00	104.21 AV			1.22 H	349	64.05	40.16
6	11000.00	54.46 PK	74.00	-19.54	2.22 H	213	46.38	8.08
7	11000.00	41.38 AV	54.00	-12.62	2.22 H	213	33.30	8.08
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5376.00	56.74 PK	74.00	-17.26	2.57 V	345	54.97	1.77
2	5376.00	44.02 AV	54.00	-9.98	2.57 V	345	42.25	1.77
3	#5470.00	58.19 PK	68.20	-10.01	2.91 V	346	56.20	1.99
4	*5500.00	112.35 PK			2.90 V	345	72.19	40.16
5	*5500.00	102.36 AV			2.90 V	345	62.20	40.16
6	11000.00	56.04 PK	74.00	-17.96	2.11 V	166	47.96	8.08
7	11000.00	41.69 AV	54.00	-12.31	2.11 V	166	33.61	8.08

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	112.79 PK			1.67 H	333	72.11	40.68
2	*5580.00	102.97 AV			1.67 H	333	62.29	40.68
3	11160.00	54.81 PK	74.00	-19.19	1.66 H	225	46.52	8.29
4	11160.00	42.41 AV	54.00	-11.59	1.66 H	225	34.12	8.29
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	109.77 PK			2.58 V	313	69.09	40.68
2	*5580.00	100.52 AV			2.58 V	313	59.84	40.68
3	11160.00	55.07 PK	74.00	-18.93	1.65 V	155	46.78	8.29
4	11160.00	42.70 AV	54.00	-11.30	1.65 V	155	34.41	8.29

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	114.68 PK			1.47 H	343	73.49	41.19
2	*5700.00	105.34 AV			1.47 H	343	64.15	41.19
3	#5725.00	58.79 PK	68.20	-9.41	1.52 H	340	55.47	3.32
4	11400.00	55.68 PK	74.00	-18.32	2.55 H	314	46.95	8.73
5	11400.00	42.87 AV	54.00	-11.13	2.55 H	314	34.14	8.73
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	110.16 PK			3.12 V	345	68.97	41.19
2	*5700.00	100.50 AV			3.12 V	345	59.31	41.19
3	#5725.00	57.49 PK	68.20	-10.71	3.11 V	340	54.17	3.32
4	11400.00	56.51 PK	74.00	-17.49	2.11 V	52	47.78	8.73
5	11400.00	42.92 AV	54.00	-11.08	2.11 V	52	34.19	8.73

Remarks:

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

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.87 PK	68.20	-11.33	1.40 H	342	54.88	1.99
2	*5720.00	115.48 PK			1.43 H	347	74.15	41.33
3	*5720.00	105.69 AV			1.43 H	347	64.36	41.33
4	#5850.00	57.73 PK	68.20	-10.47	1.42 H	342	54.09	3.64
5	11440.00	56.12 PK	74.00	-17.88	2.11 H	155	47.35	8.77
6	11440.00	42.63 AV	54.00	-11.37	2.11 H	155	33.86	8.77
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	58.02 PK	68.20	-10.18	2.10 V	344	56.03	1.99
2	*5720.00	110.79 PK			2.09 V	345	69.46	41.33
3	*5720.00	101.80 AV			2.09 V	345	60.47	41.33
4	#5850.00	58.44 PK	68.20	-9.76	2.08 V	343	54.80	3.64
5	11440.00	55.90 PK	74.00	-18.10	1.55 V	311	47.13	8.77
6	11440.00	42.88 AV	54.00	-11.12	1.55 V	311	34.11	8.77

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5642.00	65.80 PK	68.20	-2.40	1.22 H	349	62.80	3.00
2	*5745.00	127.92 PK			1.22 H	349	86.40	41.52
3	*5745.00	118.62 AV			1.22 H	349	77.10	41.52
4	#5939.60	59.62 PK	68.20	-8.58	1.22 H	349	56.04	3.58
5	11490.00	55.74 PK	74.00	-18.26	2.02 H	240	46.90	8.84
6	11490.00	43.54 AV	54.00	-10.46	2.02 H	240	34.70	8.84
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	#5641.60	62.06 PK	68.20	-6.14	3.12 V	346	59.06	3.00
2	*5745.00	123.22 PK			3.12 V	346	81.70	41.52
3	*5745.00	114.32 AV			3.12 V	346	72.80	41.52
4	#5940.00	58.21 PK	68.20	-9.99	3.12 V	346	54.63	3.58
5	11490.00	60.74 PK	74.00	-13.26	2.67 V	163	51.90	8.84
6	11490.00	48.64 AV	54.00	-5.36	2.67 V	163	39.80	8.84

Remarks:

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5641.60	61.54 PK	68.20	-6.66	1.35 H	343	58.54	3.00
2	*5785.00	127.90 PK			1.35 H	343	86.20	41.70
3	*5785.00	118.70 AV			1.35 H	343	77.00	41.70
4	#5933.60	60.13 PK	68.20	-8.07	1.35 H	343	56.55	3.58
5	11570.00	55.76 PK	74.00	-18.24	1.92 H	231	47.00	8.76
6	11570.00	43.56 AV	54.00	-10.44	1.92 H	231	34.80	8.76
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	#5649.60	59.78 PK	68.20	-8.42	3.03 V	328	56.74	3.04
2	*5785.00	124.70 PK			3.03 V	328	83.00	41.70
3	*5785.00	115.50 AV			3.03 V	328	73.80	41.70
4	#5947.20	58.62 PK	68.20	-9.58	3.03 V	328	55.05	3.57
5	11570.00	60.66 PK	74.00	-13.34	2.66 V	167	51.90	8.76
6	11570.00	48.66 AV	54.00	-5.34	2.66 V	167	39.90	8.76

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5634.80	62.19 PK	68.20	-6.01	1.47 H	358	59.24	2.95
2	*5825.00	126.93 PK			1.47 H	358	85.20	41.73
3	*5825.00	117.83 AV			1.47 H	358	76.10	41.73
4	#5940.00	64.58 PK	68.20	-3.62	1.47 H	358	61.00	3.58
5	11650.00	55.60 PK	74.00	-18.40	2.11 H	242	46.80	8.80
6	11650.00	43.70 AV	54.00	-10.30	2.11 H	242	34.90	8.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5614.40	59.34 PK	68.20	-8.86	2.64 V	337	56.51	2.83
2	*5825.00	122.93 PK			2.64 V	322	81.20	41.73
3	*5825.00	114.73 AV			2.64 V	322	73.00	41.73
4	#5925.20	62.27 PK	68.20	-5.93	2.64 V	337	58.69	3.58
5	11650.00	60.50 PK	74.00	-13.50	2.64 V	163	51.70	8.80
6	11650.00	48.20 AV	54.00	-5.80	2.64 V	163	39.40	8.80

Remarks:

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

802.11ax (HE20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	69.70 PK	74.00	-4.30	1.56 H	345	67.30	2.40
2	5150.00	52.40 AV	54.00	-1.60	1.56 H	345	50.00	2.40
3	*5180.00	125.98 PK			1.53 H	352	85.70	40.28
4	*5180.00	112.88 AV			1.53 H	352	72.60	40.28
5	#10360.00	56.50 PK	68.20	-11.70	1.67 H	354	48.00	8.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	63.10 PK	74.00	-10.90	2.58 V	347	60.70	2.40
2	5150.00	47.60 AV	54.00	-6.40	2.58 V	347	45.20	2.40
3	*5180.00	122.78 PK			2.52 V	357	82.50	40.28
4	*5180.00	109.68 AV			2.52 V	357	69.40	40.28
5	#10360.00	56.30 PK	68.20	-11.90	2.66 V	359	47.80	8.50

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	127.74 PK			1.53 H	18	87.50	40.24
2	*5200.00	114.94 AV			1.53 H	18	74.70	40.24
3	#10400.00	56.65 PK	68.20	-11.55	1.71 H	351	48.20	8.45
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	123.34 PK			2.59 V	357	83.10	40.24
2	*5200.00	110.84 AV			2.59 V	357	70.60	40.24
3	#10400.00	56.35 PK	68.20	-11.85	2.58 V	350	47.90	8.45

Remarks:

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	126.91 PK			1.52 H	354	86.80	40.11
2	*5240.00	114.11 AV			1.52 H	354	74.00	40.11
3	5350.00	58.65 PK	74.00	-15.35	1.59 H	1	56.60	2.05
4	5350.00	46.75 AV	54.00	-7.25	1.59 H	1	44.70	2.05
5	5376.00	58.71 PK	74.00	-15.29	1.61 H	357	56.70	2.01
6	5376.00	46.51 AV	54.00	-7.49	1.61 H	357	44.50	2.01
7	#10480.00	56.79 PK	68.20	-11.41	1.68 H	359	48.30	8.49
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	123.41 PK			2.72 V	357	83.30	40.11
2	*5240.00	110.71 AV			2.72 V	357	70.60	40.11
3	5350.00	58.55 PK	74.00	-15.45	2.58 V	2	56.50	2.05
4	5350.00	45.05 AV	54.00	-8.95	2.58 V	2	43.00	2.05
5	5376.00	58.91 PK	74.00	-15.09	2.69 V	359	56.90	2.01
6	5376.00	48.61 AV	54.00	-5.39	2.69 V	359	46.60	2.01
7	#10480.00	56.49 PK	68.20	-11.71	2.58 V	350	48.00	8.49

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5260.00	115.26 PK			1.28 H	13	75.42	39.84
2	*5260.00	105.52 AV			1.28 H	13	65.68	39.84
3	5376.00	56.18 PK	74.00	-17.82	1.26 H	20	54.41	1.77
4	5376.00	43.38 AV	54.00	-10.62	1.26 H	20	41.61	1.77
5	#10520.00	55.80 PK	68.20	-12.40	1.82 H	222	47.76	8.04
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	*5260.00	113.88 PK			2.66 V	329	74.04	39.84
2	*5260.00	101.26 AV			2.66 V	329	61.42	39.84
3	5376.00	57.26 PK	74.00	-16.74	2.39 V	319	55.49	1.77
4	5376.00	44.12 AV	54.00	-9.88	2.39 V	319	42.35	1.77
5	#10520.00	55.63 PK	68.20	-12.57	1.35 V	52	47.59	8.04

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	116.93 PK			1.49 H	4	77.17	39.76
2	*5300.00	105.05 AV			1.49 H	4	65.29	39.76
3	10600.00	54.96 PK	74.00	-19.04	1.66 H	285	46.80	8.16
4	10600.00	41.88 AV	54.00	-12.12	1.66 H	285	33.72	8.16
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	114.31 PK			1.83 V	3	74.55	39.76
2	*5300.00	100.73 AV			1.83 V	3	60.97	39.76
3	10600.00	54.99 PK	74.00	-19.01	2.11 V	159	46.83	8.16
4	10600.00	42.04 AV	54.00	-11.96	2.11 V	159	33.88	8.16

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	114.62 PK			1.05 H	2	74.81	39.81
2	*5320.00	104.63 AV			1.05 H	2	64.82	39.81
3	5376.00	57.18 PK	74.00	-16.82	1.06 H	5	55.41	1.77
4	5376.00	44.88 AV	54.00	-9.12	1.06 H	5	43.11	1.77
5	10640.00	54.22 PK	74.00	-19.78	2.41 H	250	46.09	8.13
6	10640.00	41.60 AV	54.00	-12.40	2.41 H	250	33.47	8.13
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	113.97 PK			2.35 V	323	74.16	39.81
2	*5320.00	100.94 AV			2.35 V	323	61.13	39.81
3	5376.00	57.59 PK	74.00	-16.41	2.30 V	333	55.82	1.77
4	5376.00	44.43 AV	54.00	-9.57	2.30 V	333	42.66	1.77
5	10640.00	54.50 PK	74.00	-19.50	1.83 V	355	46.37	8.13
6	10640.00	41.61 AV	54.00	-12.39	1.83 V	355	33.48	8.13

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5376.00	56.47 PK	74.00	-17.53	1.94 H	347	54.70	1.77
2	5376.00	44.07 AV	54.00	-9.93	1.94 H	347	42.30	1.77
3	#5470.00	57.49 PK	68.20	-10.71	1.92 H	344	55.50	1.99
4	*5500.00	116.56 PK			1.53 H	359	76.40	40.16
5	*5500.00	104.66 AV			1.53 H	359	64.50	40.16
6	11000.00	54.78 PK	74.00	-19.22	1.72 H	223	46.70	8.08
7	11000.00	42.38 AV	54.00	-11.62	1.72 H	223	34.30	8.08
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5376.00	56.47 PK	74.00	-17.53	2.49 V	355	54.70	1.77
2	5376.00	44.57 AV	54.00	-9.43	2.49 V	355	42.80	1.77
3	#5470.00	57.49 PK	68.20	-10.71	2.49 V	349	55.50	1.99
4	*5500.00	113.96 PK			2.52 V	354	73.80	40.16
5	*5500.00	102.66 AV			2.52 V	354	62.50	40.16
6	11000.00	55.38 PK	74.00	-18.62	2.11 V	163	47.30	8.08
7	11000.00	41.88 AV	54.00	-12.12	2.11 V	163	33.80	8.08

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	118.08 PK			1.54 H	352	77.40	40.68
2	*5580.00	104.78 AV			1.54 H	352	64.10	40.68
3	11160.00	54.79 PK	74.00	-19.21	2.24 H	217	46.50	8.29
4	11160.00	41.69 AV	54.00	-12.31	2.24 H	217	33.40	8.29
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	114.98 PK			2.58 V	347	74.30	40.68
2	*5580.00	101.98 AV			2.58 V	347	61.30	40.68
3	11160.00	54.99 PK	74.00	-19.01	2.09 V	158	46.70	8.29
4	11160.00	42.39 AV	54.00	-11.61	2.09 V	158	34.10	8.29

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	116.09 PK			1.49 H	359	74.90	41.19
2	*5700.00	104.29 AV			1.49 H	359	63.10	41.19
3	#5725.00	58.42 PK	68.20	-9.78	1.61 H	355	55.10	3.32
4	11400.00	55.43 PK	74.00	-18.57	2.30 H	214	46.70	8.73
5	11400.00	42.03 AV	54.00	-11.97	2.30 H	214	33.30	8.73
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	114.39 PK			2.44 V	316	73.20	41.19
2	*5700.00	101.49 AV			2.44 V	316	60.30	41.19
3	#5725.00	57.92 PK	68.20	-10.28	2.62 V	322	54.60	3.32
4	11400.00	55.53 PK	74.00	-18.47	1.99 V	171	46.80	8.73
5	11400.00	42.73 AV	54.00	-11.27	1.99 V	171	34.00	8.73

Remarks:

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

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.39 PK	68.20	-10.81	1.53 H	351	55.40	1.99
2	*5720.00	116.93 PK			1.41 H	356	75.60	41.33
3	*5720.00	104.83 AV			1.41 H	356	63.50	41.33
4	#5850.00	59.24 PK	68.20	-8.96	1.56 H	349	55.60	3.64
5	11440.00	55.37 PK	74.00	-18.63	2.29 H	220	46.60	8.77
6	11440.00	42.27 AV	54.00	-11.73	2.29 H	220	33.50	8.77
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.29 PK	68.20	-10.91	2.62 V	321	55.30	1.99
2	*5720.00	114.53 PK			2.55 V	309	73.20	41.33
3	*5720.00	101.43 AV			2.55 V	309	60.10	41.33
4	#5850.00	59.14 PK	68.20	-9.06	2.57 V	317	55.50	3.64
5	11440.00	55.87 PK	74.00	-18.13	2.13 V	171	47.10	8.77
6	11440.00	42.87 AV	54.00	-11.13	2.13 V	171	34.10	8.77

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5646.40	64.55 PK	68.20	-3.65	1.22 H	359	61.53	3.02
2	*5745.00	129.02 PK			1.22 H	359	87.50	41.52
3	*5745.00	117.12 AV			1.22 H	359	75.60	41.52
4	#5939.20	59.92 PK	68.20	-8.28	1.22 H	359	56.34	3.58
5	11490.00	55.74 PK	74.00	-18.26	2.10 H	237	46.90	8.84
6	11490.00	43.14 AV	54.00	-10.86	2.10 H	237	34.30	8.84
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	#5644.80	61.09 PK	68.20	-7.11	2.92 V	327	58.08	3.01
2	*5745.00	128.32 PK			2.92 V	327	86.80	41.52
3	*5745.00	115.62 AV			2.92 V	327	74.10	41.52
4	#5941.60	58.69 PK	68.20	-9.51	2.92 V	327	55.10	3.59
5	11490.00	56.14 PK	74.00	-17.86	2.66 V	165	47.30	8.84
6	11490.00	43.54 AV	54.00	-10.46	2.66 V	165	34.70	8.84

Remarks:

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5637.20	61.87 PK	68.20	-6.33	1.61 H	346	58.91	2.96
2	*5785.00	130.10 PK			1.61 H	346	88.40	41.70
3	*5785.00	118.10 AV			1.61 H	346	76.40	41.70
4	#5933.60	59.76 PK	68.20	-8.44	1.61 H	346	56.18	3.58
5	11570.00	55.46 PK	74.00	-18.54	2.03 H	233	46.70	8.76
6	11570.00	43.16 AV	54.00	-10.84	2.03 H	233	34.40	8.76
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	#5641.60	58.65 PK	68.20	-9.55	3.30 V	326	55.65	3.00
2	*5785.00	127.20 PK			3.30 V	326	85.50	41.70
3	*5785.00	114.50 AV			3.30 V	326	72.80	41.70
4	#5983.20	58.51 PK	68.20	-9.69	3.30 V	326	54.83	3.68
5	11570.00	55.86 PK	74.00	-18.14	2.52 V	161	47.10	8.76
6	11570.00	43.56 AV	54.00	-10.44	2.52 V	161	34.80	8.76

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5630.00	61.49 PK	68.20	-6.71	1.33 H	338	58.56	2.93
2	*5825.00	130.93 PK			1.33 H	338	89.20	41.73
3	*5825.00	118.53 AV			1.33 H	338	76.80	41.73
4	#5930.40	65.56 PK	68.20	-2.64	1.33 H	338	61.98	3.58
5	11650.00	55.60 PK	74.00	-18.40	2.25 H	237	46.80	8.80
6	11650.00	43.20 AV	54.00	-10.80	2.25 H	237	34.40	8.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5626.80	58.73 PK	68.20	-9.47	3.13 V	323	55.82	2.91
2	*5825.00	125.83 PK			3.13 V	323	84.10	41.73
3	*5825.00	114.43 AV			3.13 V	323	72.70	41.73
4	#5934.80	62.34 PK	68.20	-5.86	3.13 V	323	58.76	3.58
5	11650.00	55.90 PK	74.00	-18.10	2.51 V	160	47.10	8.80
6	11650.00	43.60 AV	54.00	-10.40	2.51 V	160	34.80	8.80

Remarks:

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

802.11ax (HE40)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	70.40 PK	74.00	-3.60	1.54 H	352	68.00	2.40
2	5150.00	52.90 AV	54.00	-1.10	1.54 H	352	50.50	2.40
3	*5190.00	121.06 PK			1.50 H	17	80.80	40.26
4	*5190.00	108.36 AV			1.50 H	17	68.10	40.26
5	#10380.00	56.68 PK	68.20	-11.52	1.72 H	358	48.20	8.48
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	62.10 PK	74.00	-11.90	3.05 V	3	59.70	2.40
2	5150.00	49.10 AV	54.00	-4.90	3.05 V	3	46.70	2.40
3	*5190.00	117.36 PK			3.27 V	352	77.10	40.26
4	*5190.00	104.56 AV			3.27 V	352	64.30	40.26
5	#10380.00	56.38 PK	68.20	-11.82	2.72 V	349	47.90	8.48

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	122.95 PK			1.60 H	342	82.80	40.15
2	*5230.00	110.85 AV			1.60 H	342	70.70	40.15
3	5350.00	60.65 PK	74.00	-13.35	1.67 H	358	58.60	2.05
4	5350.00	46.45 AV	54.00	-7.55	1.67 H	358	44.40	2.05
5	5376.00	60.31 PK	74.00	-13.69	1.64 H	351	58.30	2.01
6	5376.00	46.11 AV	54.00	-7.89	1.64 H	351	44.10	2.01
7	#10460.00	56.88 PK	68.20	-11.32	1.69 H	351	48.40	8.48
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	120.75 PK			2.88 V	346	80.60	40.15
2	*5230.00	107.75 AV			2.88 V	346	67.60	40.15
3	5350.00	60.15 PK	74.00	-13.85	2.72 V	353	58.10	2.05
4	5350.00	45.25 AV	54.00	-8.75	2.72 V	353	43.20	2.05
5	5376.00	60.41 PK	74.00	-13.59	2.69 V	350	58.40	2.01
6	5376.00	47.91 AV	54.00	-6.09	2.69 V	350	45.90	2.01
7	#10460.00	56.58 PK	68.20	-11.62	2.69 V	348	48.10	8.48

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5270.00	119.17 PK			1.61 H	344	79.35	39.82
2	*5270.00	106.47 AV			1.61 H	344	66.65	39.82
3	5376.00	58.64 PK	74.00	-15.36	1.94 H	344	56.87	1.77
4	5376.00	45.70 AV	54.00	-8.30	1.94 H	344	43.93	1.77
5	#10540.00	54.27 PK	68.20	-13.93	1.67 H	211	46.20	8.07
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5270.00	116.82 PK			2.73 V	344	77.00	39.82
2	*5270.00	103.77 AV			2.73 V	344	63.95	39.82
3	5376.00	57.78 PK	74.00	-16.22	2.50 V	344	56.01	1.77
4	5376.00	46.55 AV	54.00	-7.45	2.50 V	344	44.78	1.77
5	#10540.00	55.02 PK	68.20	-13.18	1.61 V	344	46.95	8.07

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	119.96 PK			1.68 H	15	80.18	39.78
2	*5310.00	106.68 AV			1.68 H	15	66.90	39.78
3	5350.00	63.15 PK	74.00	-10.85	1.80 H	15	61.34	1.81
4	5350.00	50.29 AV	54.00	-3.71	1.80 H	15	48.48	1.81
5	10620.00	54.78 PK	74.00	-19.22	1.66 H	222	46.63	8.15
6	10620.00	41.95 AV	54.00	-12.05	1.66 H	222	33.80	8.15
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	117.20 PK			2.13 V	331	77.42	39.78
2	*5310.00	104.15 AV			2.13 V	331	64.37	39.78
3	5350.00	51.35 PK	74.00	-22.65	2.14 V	331	49.54	1.81
4	5350.00	48.78 AV	54.00	-5.22	2.14 V	331	46.97	1.81
5	10620.00	55.29 PK	74.00	-18.71	2.55 V	166	47.14	8.15
6	10620.00	41.92 AV	54.00	-12.08	2.55 V	166	33.77	8.15

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.55 PK	74.00	-13.45	1.39 H	343	58.60	1.95
2	5460.00	47.85 AV	54.00	-6.15	1.39 H	343	45.90	1.95
3	#5470.00	63.69 PK	68.20	-4.51	1.41 H	345	61.70	1.99
4	*5510.00	119.62 PK			1.71 H	358	79.40	40.22
5	*5510.00	106.92 AV			1.71 H	358	66.70	40.22
6	11020.00	54.71 PK	74.00	-19.29	2.24 H	217	46.60	8.11
7	11020.00	41.61 AV	54.00	-12.39	2.24 H	217	33.50	8.11
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	58.15 PK	74.00	-15.85	2.62 V	351	56.20	1.95
2	5460.00	46.15 AV	54.00	-7.85	2.62 V	351	44.20	1.95
3	#5470.00	63.09 PK	68.20	-5.11	2.66 V	351	61.10	1.99
4	*5510.00	116.52 PK			2.51 V	355	76.30	40.22
5	*5510.00	104.62 AV			2.51 V	355	64.40	40.22
6	11020.00	54.81 PK	74.00	-19.19	2.09 V	170	46.70	8.11
7	11020.00	42.01 AV	54.00	-11.99	2.09 V	170	33.90	8.11

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	120.09 PK			1.44 H	341	79.60	40.49
2	*5550.00	106.89 AV			1.44 H	341	66.40	40.49
3	11100.00	55.36 PK	74.00	-18.64	2.19 H	208	47.10	8.26
4	11100.00	41.86 AV	54.00	-12.14	2.19 H	208	33.60	8.26
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	116.69 PK			2.66 V	345	76.20	40.49
2	*5550.00	103.59 AV			2.66 V	345	63.10	40.49
3	11100.00	55.16 PK	74.00	-18.84	2.09 V	172	46.90	8.26
4	11100.00	42.36 AV	54.00	-11.64	2.09 V	172	34.10	8.26

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	120.53 PK			1.44 H	341	79.40	41.13
2	*5670.00	107.83 AV			1.44 H	341	66.70	41.13
3	#5725.00	65.32 PK	68.20	-2.88	1.40 H	343	62.00	3.32
4	11340.00	55.94 PK	74.00	-18.06	2.18 H	216	47.20	8.74
5	11340.00	42.44 AV	54.00	-11.56	2.18 H	216	33.70	8.74
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	116.63 PK			2.41 V	332	75.50	41.13
2	*5670.00	104.33 AV			2.41 V	332	63.20	41.13
3	#5725.00	59.82 PK	68.20	-8.38	2.61 V	341	56.50	3.32
4	11340.00	55.64 PK	74.00	-18.36	2.21 V	170	46.90	8.74
5	11340.00	42.84 AV	54.00	-11.16	2.21 V	170	34.10	8.74

Remarks:

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

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.39 PK	68.20	-10.81	1.49 H	349	55.40	1.99
2	*5710.00	120.67 PK			1.33 H	340	79.40	41.27
3	*5710.00	108.37 AV			1.33 H	340	67.10	41.27
4	#5850.00	59.24 PK	68.20	-8.96	1.53 H	356	55.60	3.64
5	11420.00	55.75 PK	74.00	-18.25	2.20 H	213	47.00	8.75
6	11420.00	42.45 AV	54.00	-11.55	2.20 H	213	33.70	8.75
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.19 PK	68.20	-11.01	2.51 V	340	55.20	1.99
2	*5710.00	116.87 PK			2.65 V	333	75.60	41.27
3	*5710.00	104.77 AV			2.65 V	333	63.50	41.27
4	#5850.00	59.14 PK	68.20	-9.06	2.66 V	343	55.50	3.64
5	11420.00	55.95 PK	74.00	-18.05	2.13 V	160	47.20	8.75
6	11420.00	43.05 AV	54.00	-10.95	2.13 V	160	34.30	8.75

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5647.20	66.26 PK	68.20	-1.94	1.34 H	343	63.23	3.03
2	*5755.00	127.47 PK			1.34 H	343	85.90	41.57
3	*5755.00	114.27 AV			1.34 H	343	72.70	41.57
4	#5964.80	58.97 PK	68.20	-9.23	1.34 H	343	55.35	3.62
5	11510.00	55.23 PK	74.00	-18.77	2.02 H	238	46.40	8.83
6	11510.00	42.73 AV	54.00	-11.27	2.02 H	238	33.90	8.83
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	#5649.20	61.54 PK	68.20	-6.66	3.55 V	338	58.50	3.04
2	*5755.00	122.07 PK			3.55 V	338	80.50	41.57
3	*5755.00	110.27 AV			3.55 V	338	68.70	41.57
4	#5958.80	58.10 PK	68.20	-10.10	3.55 V	338	54.50	3.60
5	11510.00	55.63 PK	74.00	-18.37	2.68 V	167	46.80	8.83
6	11510.00	43.13 AV	54.00	-10.87	2.68 V	167	34.30	8.83

Remarks:

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5648.00	61.58 PK	68.20	-6.62	1.58 H	355	58.55	3.03
2	*5795.00	124.34 PK			1.58 H	355	82.60	41.74
3	*5795.00	112.34 AV			1.58 H	355	70.60	41.74
4	#5925.00	67.08 PK	68.20	-1.12	1.62 H	356	63.50	3.58
5	#5925.60	63.67 PK	68.20	-4.53	1.58 H	355	60.09	3.58
6	11590.00	55.24 PK	74.00	-18.76	2.10 H	232	46.50	8.74
7	11590.00	42.74 AV	54.00	-11.26	2.10 H	232	34.00	8.74
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	#5647.60	59.20 PK	68.20	-9.00	3.21 V	337	56.17	3.03
2	*5795.00	123.24 PK			3.21 V	337	81.50	41.74
3	*5795.00	110.64 AV			3.21 V	337	68.90	41.74
4	#5925.00	66.78 PK	68.20	-1.42	3.24 V	331	63.20	3.58
5	#5928.80	63.83 PK	68.20	-4.37	3.21 V	337	60.25	3.58
6	11590.00	55.84 PK	74.00	-18.16	2.51 V	159	47.10	8.74
7	11590.00	42.94 AV	54.00	-11.06	2.51 V	159	34.20	8.74

Remarks:

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 (HE80)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	64.60 PK	74.00	-9.40	1.33 H	351	62.20	2.40
2	5150.00	52.80 AV	54.00	-1.20	1.33 H	351	50.40	2.40
3	*5210.00	115.11 PK			1.55 H	340	74.90	40.21
4	*5210.00	102.81 AV			1.55 H	340	62.60	40.21
5	#10420.00	56.66 PK	68.20	-11.54	1.61 H	359	48.20	8.46
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	61.70 PK	74.00	-12.30	2.78 V	353	59.30	2.40
2	5150.00	48.70 AV	54.00	-5.30	2.78 V	353	46.30	2.40
3	*5210.00	113.21 PK			2.92 V	345	73.00	40.21
4	*5210.00	100.31 AV			2.92 V	345	60.10	40.21
5	#10420.00	56.46 PK	68.20	-11.74	2.55 V	351	48.00	8.46

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	117.87 PK			1.00 H	348	78.09	39.78
2	*5290.00	105.20 AV			1.00 H	348	65.42	39.78
3	5363.00	68.21 PK	74.00	-5.79	1.31 H	352	66.42	1.79
4	5363.00	52.78 AV	54.00	-1.22	1.31 H	352	50.99	1.79
5	#10580.00	55.11 PK	68.20	-13.09	1.67 H	36	46.98	8.13
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	*5290.00	112.88 PK			2.62 V	354	73.10	39.78
2	*5290.00	100.40 AV			2.62 V	354	60.62	39.78
3	5363.00	61.34 PK	74.00	-12.66	2.55 V	354	59.55	1.79
4	5363.00	48.97 AV	54.00	-5.03	2.55 V	354	47.18	1.79
5	#10580.00	54.21 PK	68.20	-13.99	1.66 V	255	46.08	8.13

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.05 PK	74.00	-11.95	1.57 H	352	60.10	1.95
2	5460.00	48.85 AV	54.00	-5.15	1.57 H	352	46.90	1.95
3	#5470.00	67.39 PK	68.20	-0.81	1.52 H	348	65.40	1.99
4	*5530.00	116.25 PK			1.64 H	335	75.90	40.35
5	*5530.00	103.85 AV			1.64 H	335	63.50	40.35
6	11060.00	55.28 PK	74.00	-18.72	2.38 H	221	47.10	8.18
7	11060.00	41.88 AV	54.00	-12.12	2.38 H	221	33.70	8.18
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	51.05 PK	74.00	-22.95	2.66 V	329	49.10	1.95
2	5460.00	42.05 AV	54.00	-11.95	2.66 V	329	40.10	1.95
3	#5470.00	66.19 PK	68.20	-2.01	2.58 V	351	64.20	1.99
4	*5530.00	114.75 PK			2.67 V	331	74.40	40.35
5	*5530.00	100.55 AV			2.67 V	331	60.20	40.35
6	11060.00	54.88 PK	74.00	-19.12	2.12 V	163	46.70	8.18
7	11060.00	42.28 AV	54.00	-11.72	2.12 V	163	34.10	8.18

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5610.00	118.76 PK			1.53 H	359	77.90	40.86
2	*5610.00	106.06 AV			1.53 H	359	65.20	40.86
3	#5725.00	67.02 PK	68.20	-1.18	1.63 H	342	63.70	3.32
4	11220.00	55.70 PK	74.00	-18.30	2.22 H	214	47.30	8.40
5	11220.00	41.90 AV	54.00	-12.10	2.22 H	214	33.50	8.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5610.00	116.16 PK			2.64 V	328	75.30	40.86
2	*5610.00	103.66 AV			2.64 V	328	62.80	40.86
3	#5725.00	60.02 PK	68.20	-8.18	2.57 V	331	56.70	3.32
4	11220.00	56.60 PK	74.00	-17.40	2.06 V	172	48.20	8.40
5	11220.00	42.50 AV	54.00	-11.50	2.06 V	172	34.10	8.40

Remarks:

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

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	58.69 PK	68.20	-9.51	1.49 H	342	56.70	1.99
2	*5690.00	121.57 PK			1.46 H	339	80.40	41.17
3	*5690.00	108.37 AV			1.46 H	339	67.20	41.17
4	#5850.00	63.74 PK	68.20	-4.46	1.43 H	340	60.10	3.64
5	11380.00	56.04 PK	74.00	-17.96	2.21 H	210	47.30	8.74
6	11380.00	42.64 AV	54.00	-11.36	2.21 H	210	33.90	8.74
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.49 PK	68.20	-10.71	2.55 V	332	55.50	1.99
2	*5690.00	116.57 PK			2.59 V	333	75.40	41.17
3	*5690.00	105.27 AV			2.59 V	333	64.10	41.17
4	#5850.00	59.04 PK	68.20	-9.16	2.61 V	342	55.40	3.64
5	11380.00	56.14 PK	74.00	-17.86	2.01 V	152	47.40	8.74
6	11380.00	43.04 AV	54.00	-10.96	2.01 V	152	34.30	8.74

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5649.60	64.29 PK	68.20	-3.91	1.33 H	337	61.25	3.04
2	#5650.00	66.94 PK	68.20	-1.26	1.27 H	340	63.90	3.04
3	*5775.00	120.46 PK			1.33 H	337	78.80	41.66
4	*5775.00	108.16 AV			1.33 H	337	66.50	41.66
5	#5925.00	65.68 PK	68.20	-2.52	1.38 H	342	62.10	3.58
6	#5931.20	59.31 PK	68.20	-8.89	1.33 H	337	55.73	3.58
7	11550.00	54.98 PK	74.00	-19.02	2.17 H	3	46.20	8.78
8	11550.00	42.38 AV	54.00	-11.62	2.17 H	3	33.60	8.78
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	#5649.60	62.30 PK	68.20	-5.90	3.24 V	340	59.26	3.04
2	#5650.00	63.04 PK	68.20	-5.16	3.33 V	351	60.00	3.04
3	*5775.00	117.36 PK			3.24 V	340	75.70	41.66
4	*5775.00	105.06 AV			3.24 V	340	63.40	41.66
5	#5925.00	61.48 PK	68.20	-6.72	3.27 V	342	57.90	3.58
6	#5929.20	59.55 PK	68.20	-8.65	3.24 V	340	55.97	3.58
7	11550.00	56.18 PK	74.00	-17.82	2.49 V	153	47.40	8.78
8	11550.00	43.48 AV	54.00	-10.52	2.49 V	153	34.70	8.78

Remarks:

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

802.11ax (HE80+80)

CHANNEL	TX Channel 42+58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5050.00	58.96 PK	74.00	-15.04	1.63 H	18	56.80	2.16
2	5050.00	50.16 AV	54.00	-3.84	1.63 H	18	48.00	2.16
3	5150.00	65.20 PK	74.00	-8.80	1.55 H	22	62.80	2.40
4	5150.00	52.60 AV	54.00	-1.40	1.55 H	22	50.20	2.40
5	*5210.00	112.31 PK			1.64 H	20	72.10	40.21
6	*5210.00	99.01 AV			1.64 H	20	58.80	40.21
7	*5290.00	108.92 PK			1.22 H	348	68.90	40.02
8	*5290.00	96.42 AV			1.22 H	348	56.40	40.02
9	5350.00	62.35 PK	74.00	-11.65	1.63 H	12	60.30	2.05
10	5350.00	49.05 AV	54.00	-4.95	1.63 H	12	47.00	2.05
11	5370.00	60.03 PK	74.00	-13.97	1.61 H	13	58.00	2.03
12	5370.00	49.73 AV	54.00	-4.27	1.61 H	13	47.70	2.03
13	#10420.00	56.46 PK	68.20	-11.74	1.68 H	352	48.00	8.46
14	#10580.00	57.23 PK	68.20	-10.97	1.72 H	348	48.50	8.73
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	5050.00	58.16 PK	74.00	-15.84	2.87 V	350	56.00	2.16
2	5050.00	45.16 AV	54.00	-8.84	2.87 V	350	43.00	2.16
3	5150.00	62.60 PK	74.00	-11.40	3.07 V	358	60.20	2.40
4	5150.00	50.00 AV	54.00	-4.00	3.07 V	358	47.60	2.40
5	*5210.00	107.81 PK			3.11 V	344	67.60	40.21
6	*5210.00	95.61 AV			3.11 V	344	55.40	40.21
7	*5290.00	106.32 PK			2.24 V	337	66.30	40.02
8	*5290.00	93.32 AV			2.24 V	337	53.30	40.02
9	5350.00	61.25 PK	74.00	-12.75	2.42 V	342	59.20	2.05
10	5350.00	47.85 AV	54.00	-6.15	2.42 V	342	45.80	2.05
11	5370.00	59.43 PK	74.00	-14.57	2.36 V	339	57.40	2.03
12	5370.00	47.33 AV	54.00	-6.67	2.36 V	339	45.30	2.03
13	#10420.00	56.26 PK	68.20	-11.94	2.55 V	358	47.80	8.46
14	#10580.00	56.93 PK	68.20	-11.27	2.61 V	343	48.20	8.73

Remarks:

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

802.11ax (HE80+80)

CHANNEL	TX Channel 106+122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5370.00	62.23 PK	74.00	-11.77	1.75 H	13	60.20	2.03
2	5370.00	53.03 AV	54.00	-0.97	1.75 H	13	51.00	2.03
3	5460.00	64.10 PK	74.00	-9.90	1.71 H	15	62.00	2.10
4	5460.00	51.50 AV	54.00	-2.50	1.71 H	15	49.40	2.10
5	#5470.00	67.43 PK	68.20	-0.77	1.69 H	353	65.30	2.13
6	*5530.00	116.02 PK			1.76 H	356	75.60	40.42
7	*5530.00	102.42 AV			1.76 H	356	62.00	40.42
8	*5610.00	112.78 PK			1.12 H	339	71.70	41.08
9	*5610.00	99.28 AV			1.12 H	339	58.20	41.08
10	#5725.00	67.62 PK	68.20	-0.58	1.58 H	341	64.00	3.62
11	11060.00	57.78 PK	74.00	-16.22	1.71 H	348	48.90	8.88
12	11060.00	44.18 AV	54.00	-9.82	1.71 H	348	35.30	8.88
13	11220.00	57.66 PK	74.00	-16.34	1.59 H	359	48.80	8.86
14	11220.00	44.76 AV	54.00	-9.24	1.59 H	359	35.90	8.86
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	5370.00	59.83 PK	74.00	-14.17	2.62 V	349	57.80	2.03
2	5370.00	48.33 AV	54.00	-5.67	2.62 V	349	46.30	2.03
3	5460.00	62.30 PK	74.00	-11.70	2.58 V	357	60.20	2.10
4	5460.00	50.10 AV	54.00	-3.90	2.58 V	357	48.00	2.10
5	#5470.00	66.03 PK	68.20	-2.17	2.61 V	354	63.90	2.13
6	*5530.00	112.92 PK			2.50 V	353	72.50	40.42
7	*5530.00	99.72 AV			2.50 V	353	59.30	40.42
8	*5610.00	111.88 PK			2.77 V	333	70.80	41.08
9	*5610.00	99.18 AV			2.77 V	333	58.10	41.08
10	#5725.00	63.02 PK	68.20	-5.18	2.69 V	342	59.40	3.62
11	11060.00	57.48 PK	74.00	-16.52	2.58 V	345	48.60	8.88
12	11060.00	43.88 AV	54.00	-10.12	2.58 V	345	35.00	8.88
13	11220.00	57.16 PK	74.00	-16.84	2.69 V	339	48.30	8.86
14	11220.00	44.36 AV	54.00	-9.64	2.69 V	339	35.50	8.86

Remarks:

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

Below 1GHz Worst-Case Data:

Test Mode A

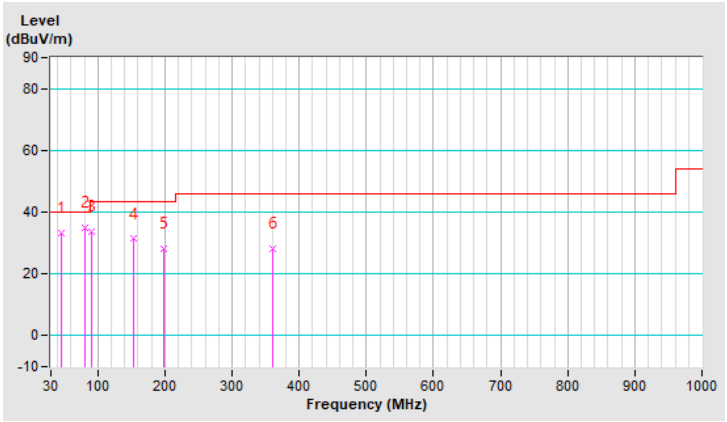
802.11a

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	45.46	33.40 QP	40.00	-6.60	2.00 H	320	51.51	-18.11
2	80.61	34.88 QP	40.00	-5.12	2.00 H	142	58.16	-23.28
3	90.45	33.61 QP	43.50	-9.89	2.00 H	285	57.61	-24.00
4	152.30	31.31 QP	43.50	-12.19	2.00 H	335	49.33	-18.02
5	198.70	28.01 QP	43.50	-15.49	1.01 H	164	49.69	-21.68
6	360.36	28.34 QP	46.00	-17.66	1.01 H	230	44.64	-16.30

Remarks:

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

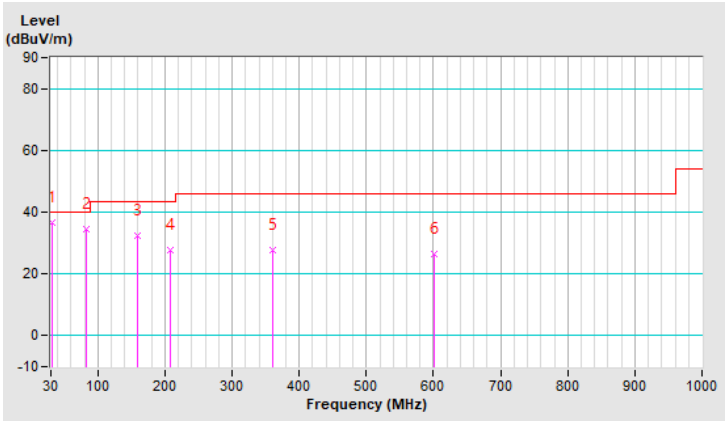


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	32.81	36.49 QP	40.00	-3.51	1.00 V	231	55.94	-19.45
2	82.01	34.67 QP	40.00	-5.33	1.00 V	83	58.18	-23.51
3	159.33	32.48 QP	43.50	-11.02	2.00 V	281	50.49	-18.01
4	207.13	27.80 QP	43.50	-15.70	1.00 V	351	49.58	-21.78
5	360.36	27.52 QP	46.00	-18.48	1.00 V	206	43.82	-16.30
6	600.75	26.27 QP	46.00	-19.73	1.50 V	288	36.53	-10.26

Remarks:

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



Test Mode B

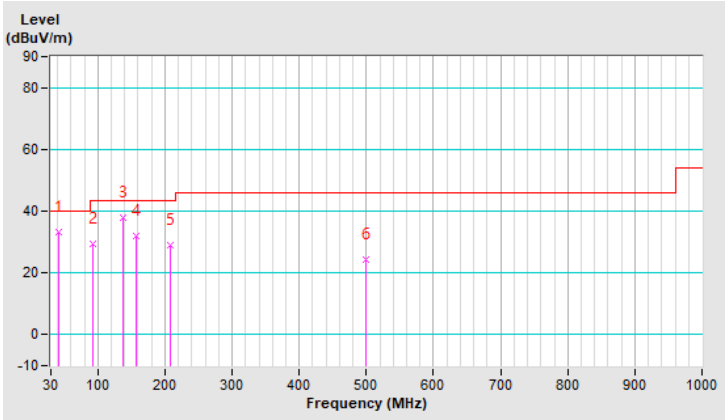
802.11a

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	41.25	33.27 QP	40.00	-6.73	2.00 H	325	51.69	-18.42
2	91.86	29.57 QP	43.50	-13.93	1.50 H	276	53.36	-23.79
3	138.25	37.71 QP	43.50	-5.79	1.50 H	295	56.43	-18.72
4	157.93	31.81 QP	43.50	-11.69	1.00 H	292	49.77	-17.96
5	207.13	28.85 QP	43.50	-14.65	2.00 H	355	50.63	-21.78
6	499.54	24.14 QP	46.00	-21.86	1.50 H	250	37.05	-12.91

Remarks:

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

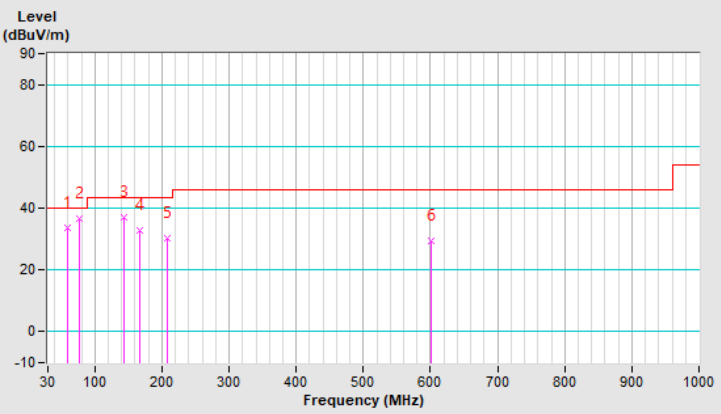


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	59.52	33.81 QP	40.00	-6.19	1.00 V	218	52.55	-18.74
2	77.80	36.59 QP	40.00	-3.41	1.00 V	299	59.15	-22.56
3	142.46	37.04 QP	43.50	-6.46	1.50 V	218	55.43	-18.39
4	166.36	32.94 QP	43.50	-10.56	1.00 V	248	51.24	-18.30
5	207.13	30.44 QP	43.50	-13.06	1.00 V	232	52.22	-21.78
6	600.75	29.47 QP	46.00	-16.53	1.50 V	331	39.73	-10.26

Remarks:

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



Test Mode C

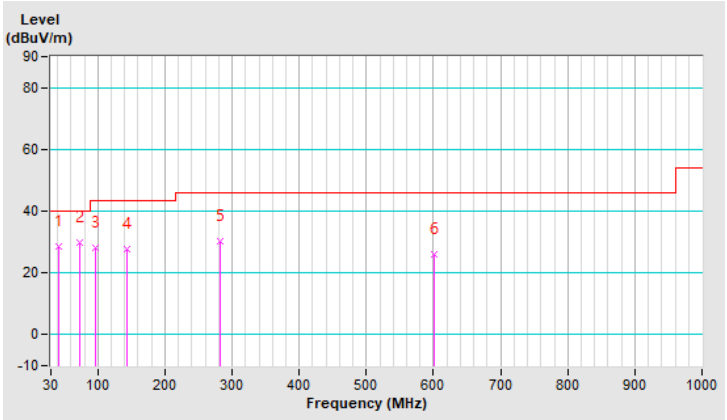
802.11ax (HE40)

CHANNEL	TX Channel 159	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	42.65	28.48 QP	40.00	-11.52	2.00 H	164	46.80	-18.32
2	72.17	29.91 QP	40.00	-10.09	1.00 H	300	50.99	-21.08
3	96.07	27.96 QP	43.50	-15.54	1.50 H	145	51.67	-23.71
4	143.87	27.55 QP	43.50	-15.95	1.00 H	159	45.79	-18.24
5	281.64	30.31 QP	46.00	-15.69	1.00 H	183	48.28	-17.97
6	600.75	25.89 QP	46.00	-20.11	1.00 H	174	36.10	-10.21

Remarks:

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

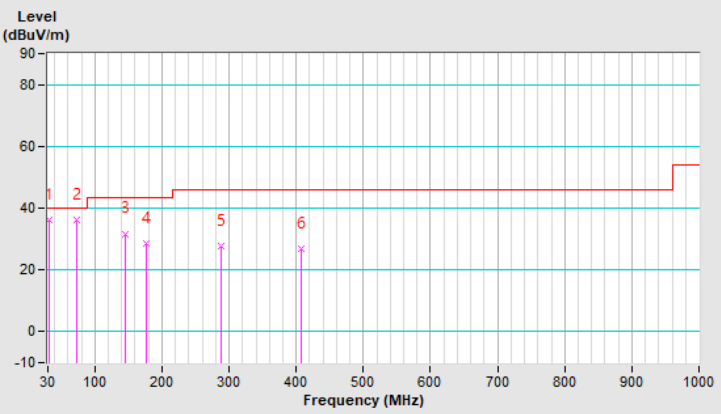


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	31.41	36.11 QP	40.00	-3.89	1.49 V	203	55.66	-19.55
2	73.58	36.34 QP	40.00	-3.66	1.49 V	16	57.82	-21.48
3	145.28	31.74 QP	43.50	-11.76	1.99 V	204	49.95	-18.21
4	176.20	28.68 QP	43.50	-14.82	1.49 V	18	47.77	-19.09
5	287.26	27.87 QP	46.00	-18.13	1.00 V	27	45.74	-17.87
6	408.16	26.72 QP	46.00	-19.28	1.00 V	198	41.70	-14.98

Remarks:

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



Test Mode D

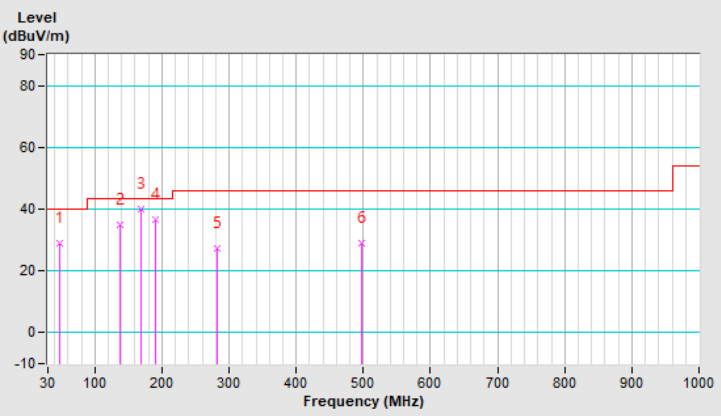
802.11ax (HE40)

CHANNEL	TX Channel 159	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	48.28	29.16 QP	40.00	-10.84	1.00 H	159	47.23	-18.07
2	138.25	34.82 QP	43.50	-8.68	1.00 H	169	53.54	-18.72
3	169.17	40.07 QP	43.50	-3.43	1.50 H	249	58.54	-18.47
4	190.26	36.52 QP	43.50	-6.98	1.00 H	165	57.50	-20.98
5	283.04	27.47 QP	46.00	-18.53	2.00 H	174	45.42	-17.95
6	498.13	29.14 QP	46.00	-16.86	1.00 H	97	42.07	-12.93

Remarks:

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

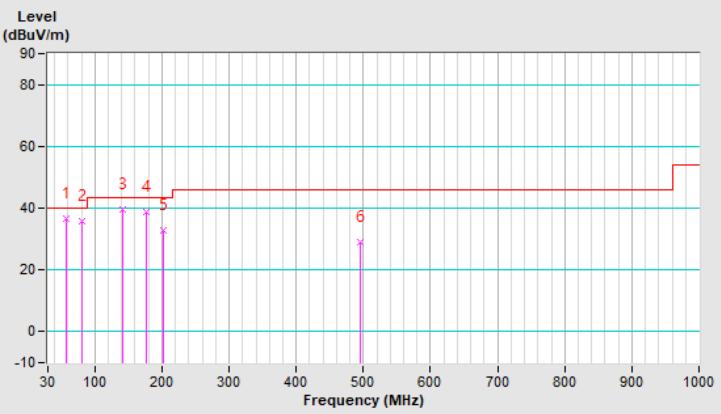


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	58.12	36.45 QP	40.00	-3.55	1.00 V	228	55.15	-18.70
2	80.61	35.94 QP	40.00	-4.06	1.00 V	189	59.23	-23.29
3	141.06	39.64 QP	43.50	-3.86	1.00 V	344	58.19	-18.55
4	176.20	38.78 QP	43.50	-4.72	1.00 V	343	57.91	-19.13
5	202.91	32.89 QP	43.50	-10.61	1.50 V	76	54.63	-21.74
6	495.32	28.86 QP	46.00	-17.14	1.00 V	267	41.83	-12.97

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz: the amplitude of spurious emissions attenuated more than 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 0.50MHz.

4.2.2 Test Instruments

Test Date: Mar. 21 ~ Mar. 22, 2022

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESR3	102412	Jan. 22, 2022	Jan. 21, 2023
RF signal cable Woken	5D-FB	Cable-cond2-01	Sep. 04, 2021	Sep. 03, 2022
LISN ROHDE & SCHWARZ (EUT)	ENV216	101196	Apr. 26, 2021	Apr. 25, 2022
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Sep. 17, 2021	Sep. 16, 2022
Software ADT	BV ADT_Cond_ V7.3.7.4	NA	NA	NA

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

4.2.3 Test Procedures

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

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

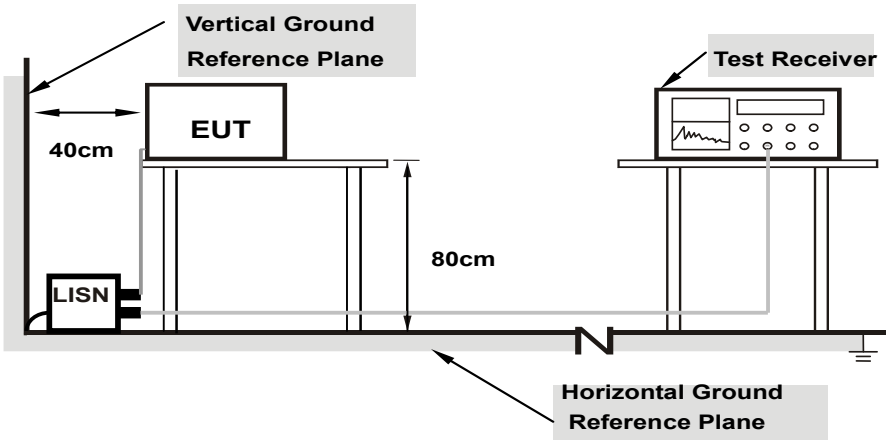
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

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

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



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

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

4.2.6 EUT Operating Conditions

Same as 4.1.6.

4.2.7 Test Results

Worst-case data:

Test Mode A

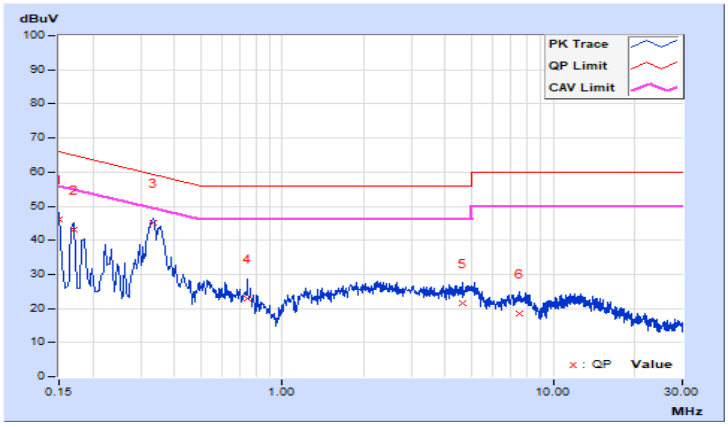
802.11a

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

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.13	35.83	19.13	45.96	29.26	66.00	56.00	-20.04	-26.74
2	0.16977	10.14	33.04	17.76	43.18	27.90	64.97	54.97	-21.79	-27.07
3	0.33325	10.21	34.80	27.72	45.01	37.93	59.37	49.37	-14.36	-11.44
4	0.74200	10.27	12.73	5.94	23.00	16.21	56.00	46.00	-33.00	-29.79
5	4.64200	10.41	11.01	4.11	21.42	14.52	56.00	46.00	-34.58	-31.48
6	7.48200	10.43	7.95	1.66	18.38	12.09	60.00	50.00	-41.62	-37.91

Remarks:

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

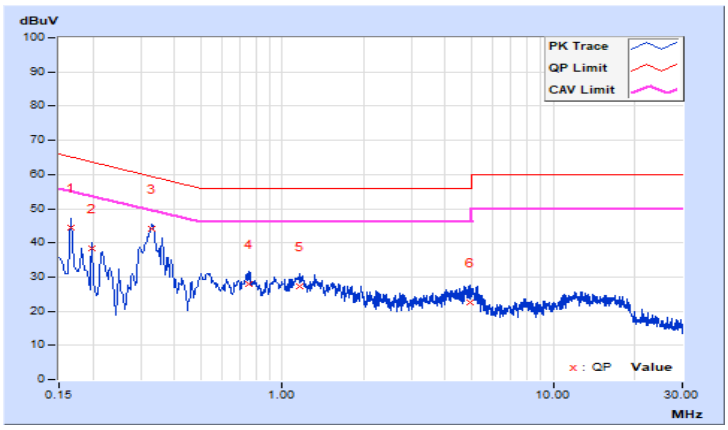


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16600	10.16	34.12	19.37	44.28	29.53	65.16	55.16	-20.88	-25.63
2	0.19800	10.19	28.12	15.14	38.31	25.33	63.69	53.69	-25.38	-28.36
3	0.33000	10.24	33.77	26.31	44.01	36.55	59.45	49.45	-15.44	-12.90
4	0.75000	10.29	17.81	11.61	28.10	21.90	56.00	46.00	-27.90	-24.10
5	1.16174	10.32	16.97	11.98	27.29	22.30	56.00	46.00	-28.71	-23.70
6	4.94600	10.42	12.16	4.77	22.58	15.19	56.00	46.00	-33.42	-30.81

Remarks:

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



Test Mode B

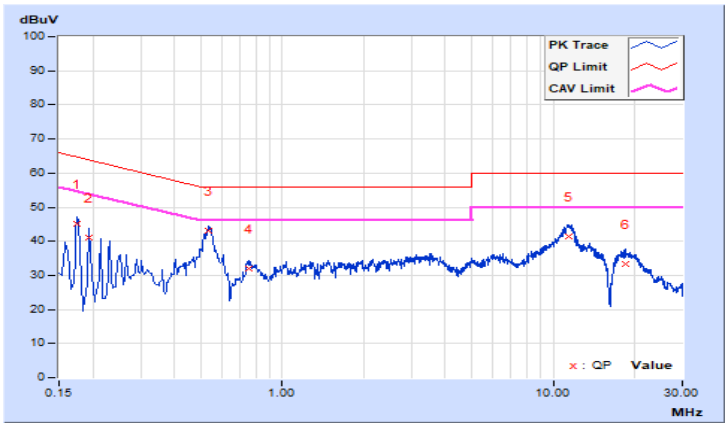
802.11a

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

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17400	10.14	34.93	17.08	45.07	27.22	64.77	54.77	-19.70	-27.55
2	0.19400	10.16	30.81	14.42	40.97	24.58	63.86	53.86	-22.89	-29.28
3	0.53400	10.25	32.91	27.50	43.16	37.75	56.00	46.00	-12.84	-8.25
4	0.75000	10.28	21.62	16.78	31.90	27.06	56.00	46.00	-24.10	-18.94
5	11.43000	10.48	30.98	25.56	41.46	36.04	60.00	50.00	-18.54	-13.96
6	18.57400	10.58	22.70	17.19	33.28	27.77	60.00	50.00	-26.72	-22.23

Remarks:

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

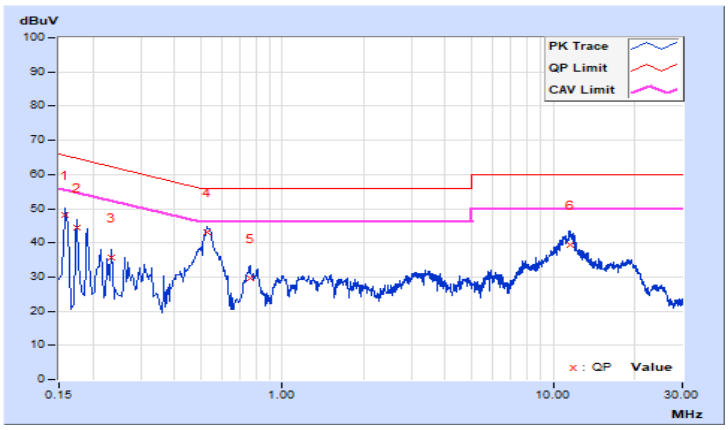


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15800	10.15	38.06	20.39	48.21	30.54	65.57	55.57	-17.36	-25.03
2	0.17400	10.16	34.23	16.38	44.39	26.54	64.77	54.77	-20.38	-28.23
3	0.23400	10.20	25.61	11.64	35.81	21.84	62.31	52.31	-26.50	-30.47
4	0.52984	10.27	32.84	27.55	43.11	37.82	56.00	46.00	-12.89	-8.18
5	0.75800	10.29	19.47	14.81	29.76	25.10	56.00	46.00	-26.24	-20.90
6	11.52200	10.54	28.99	23.38	39.53	33.92	60.00	50.00	-20.47	-16.08

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.



Test Mode C

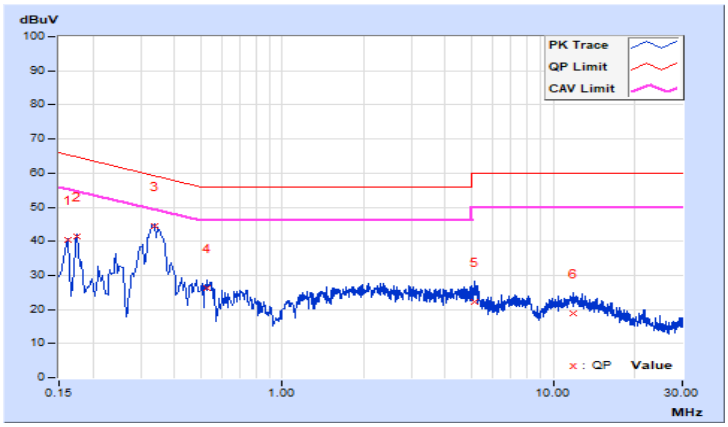
802.11ax (HE40)

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

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16200	10.14	30.35	15.44	40.49	25.58	65.36	55.36	-24.87	-29.78
2	0.17400	10.14	31.33	15.57	41.47	25.71	64.77	54.77	-23.30	-29.06
3	0.33678	10.21	34.17	26.55	44.38	36.76	59.28	49.28	-14.90	-12.52
4	0.53000	10.25	16.04	9.01	26.29	19.26	56.00	46.00	-29.71	-26.74
5	5.11000	10.41	11.84	3.89	22.25	14.30	60.00	50.00	-37.75	-35.70
6	11.79400	10.48	8.29	2.61	18.77	13.09	60.00	50.00	-41.23	-36.91

Remarks:

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

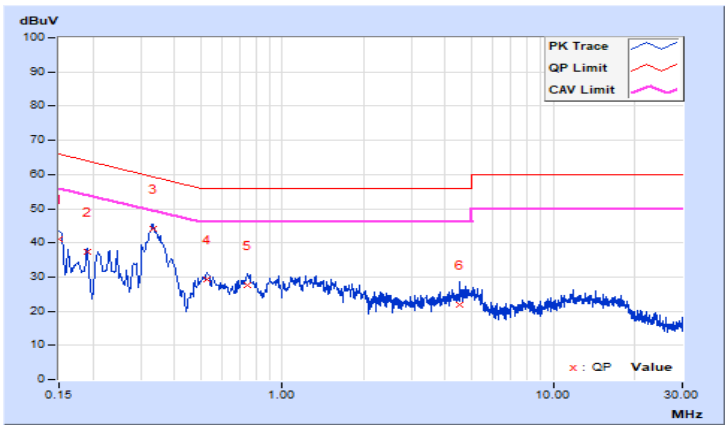


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.14	30.99	18.90	41.13	29.04	66.00	56.00	-24.87	-26.96
2	0.19000	10.18	27.17	16.39	37.35	26.57	64.04	54.04	-26.69	-27.47
3	0.33237	10.24	33.86	27.12	44.10	37.36	59.39	49.39	-15.29	-12.03
4	0.52600	10.27	18.94	12.37	29.21	22.64	56.00	46.00	-26.79	-23.36
5	0.74200	10.29	17.46	12.10	27.75	22.39	56.00	46.00	-28.25	-23.61
6	4.54600	10.41	11.35	4.41	21.76	14.82	56.00	46.00	-34.24	-31.18

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.



Test Mode D

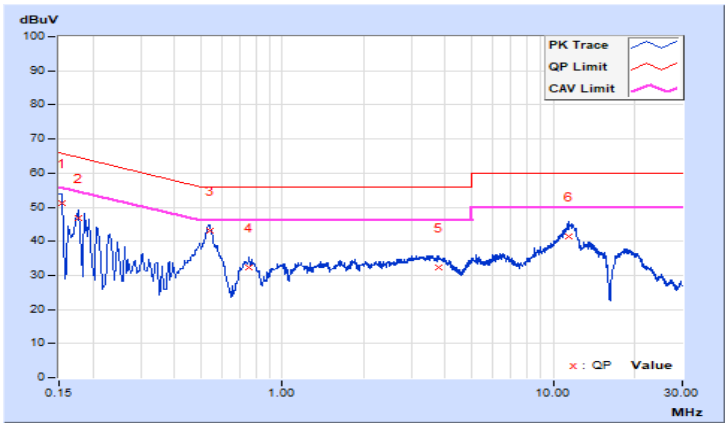
802.11ax (HE40)

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

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	10.13	41.00	24.08	51.13	34.21	65.78	55.78	-14.65	-21.57
2	0.17800	10.15	36.75	18.29	46.90	28.44	64.58	54.58	-17.68	-26.14
3	**0.53800**	**10.25**	**32.98**	**27.77**	**43.23**	**38.02**	**56.00**	**46.00**	**-12.77**	**-7.98**
4	0.75400	10.28	21.93	17.22	32.21	27.50	56.00	46.00	-23.79	-18.50
5	3.79000	10.40	22.06	16.51	32.46	26.91	56.00	46.00	-23.54	-19.09
6	11.47800	10.48	30.77	25.44	41.25	35.92	60.00	50.00	-18.75	-14.08

Remarks:

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

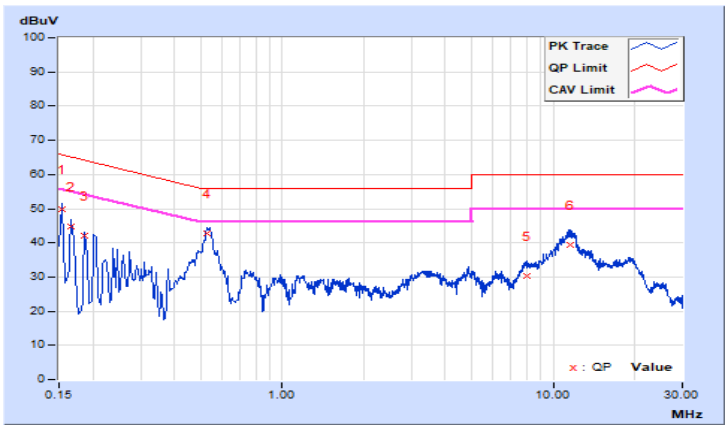


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	10.14	39.72	24.48	49.86	34.62	65.78	55.78	-15.92	-21.16
2	0.16600	10.16	34.60	19.39	44.76	29.55	65.16	55.16	-20.40	-25.61
3	0.18600	10.18	31.88	17.03	42.06	27.21	64.21	54.21	-22.15	-27.00
4	0.52984	10.27	32.58	27.20	42.85	37.47	56.00	46.00	-13.15	-8.53
5	8.04600	10.47	19.88	14.08	30.35	24.55	60.00	50.00	-29.65	-25.45
6	11.53800	10.54	28.99	23.34	39.53	33.88	60.00	50.00	-20.47	-16.12

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

*B is the 26 dB emission bandwidth in megahertz

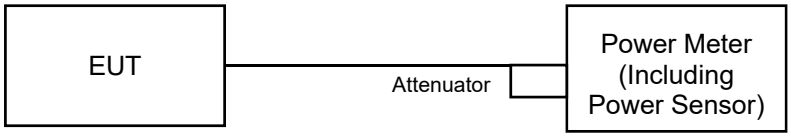
Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

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 ≥ 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 $N_{ANT} \geq 5$.

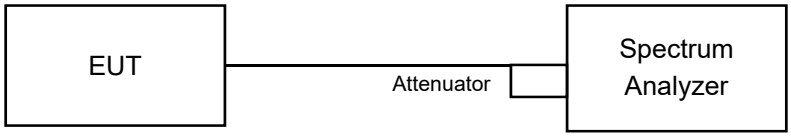
For power measurements on all other devices: Array Gain = 10 log(N_{ANT}/N_{SS}) dB.

4.3.2 Test Setup

For Power Output



For 26dB Bandwidth and power output of transmission above 5.725 GHz where the EBW crosses 5.725 GHz



4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.4 Test Procedure

For Average Power Measurement

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

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

For 26dB Bandwidth

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

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Conditions

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

4.3.7 Test Result

Test Mode A

CDD Mode

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	17.87	17.75	17.72	17.89	241.475	23.83	30.00	Pass
40	5200	17.84	17.82	17.75	17.81	241.309	23.83	30.00	Pass
48	5240	17.81	17.80	17.70	17.87	240.770	23.82	30.00	Pass
52	5260	10.29	10.08	10.24	10.41	42.435	16.28	23.81	Pass
60	5300	10.51	10.00	10.08	10.50	42.652	16.30	23.86	Pass
64	5320	10.49	10.02	10.36	10.49	43.299	16.36	23.87	Pass
100	5500	10.48	9.96	9.99	10.33	41.843	16.22	23.84	Pass
116	5580	10.51	10.29	9.98	10.38	42.805	16.31	23.87	Pass
140	5700	10.45	10.51	10.18	10.31	43.501	16.38	23.87	Pass
144	5720 For U-NII-2C	8.95	8.73	8.76	8.63	32.397	15.11	22.61	Pass
144	5720 For U-NII-3	0.36	2.76	2.33	3.43	7.406	8.70	30.00	Pass
149	5745	23.81	23.36	22.98	22.59	837.368	29.23	30.00	Pass
157	5785	23.79	23.03	22.99	22.64	822.962	29.15	30.00	Pass
165	5825	23.95	23.49	23.03	22.75	860.945	29.35	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	19.13	23.81	<	24
60	5300	19.32	23.86	<	24
64	5320	19.37	23.87	<	24
100	5500	19.26	23.84	<	24
116	5580	19.39	23.87	<	24
140	5700	19.39	23.87	<	24
144 (U-NII-2C)	5720	14.50	22.61	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	18.26	18.12	18.10	18.32	264.338	24.22	30.00	Pass
40	5200	18.36	18.08	18.14	18.31	265.745	24.24	30.00	Pass
48	5240	18.31	18.03	18.16	18.38	265.626	24.24	30.00	Pass
52	5260	10.98	10.68	10.81	10.95	48.722	16.88	24.00	Pass
60	5300	11.06	10.66	10.88	10.98	49.183	16.92	24.00	Pass
64	5320	11.05	10.77	10.83	11.01	49.399	16.94	24.00	Pass
100	5500	11.18	10.98	10.93	10.82	50.120	17.00	24.00	Pass
116	5580	11.11	10.96	10.88	11.03	50.309	17.02	24.00	Pass
140	5700	10.99	11.04	10.88	10.83	49.618	16.96	24.00	Pass
144	5720 For U-NII-2C	9.00	9.75	9.50	9.09	36.337	15.60	22.89	Pass
144	5720 For U-NII-3	4.16	4.60	4.91	3.84	11.626	10.65	30.00	Pass
149	5745	23.76	22.52	22.65	22.15	764.469	28.83	30.00	Pass
157	5785	23.55	22.80	22.36	22.06	749.891	28.75	30.00	Pass
165	5825	23.59	22.86	22.45	22.56	777.851	28.91	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.36	24.29	>	24
60	5300	21.21	24.26	>	24
64	5320	21.63	24.35	>	24
100	5500	21.13	24.24	>	24
116	5580	21.10	24.24	>	24
140	5700	21.17	24.25	>	24
144 (U-NII-2C)	5720	15.46	22.89	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	16.82	16.21	16.34	16.46	177.178	22.48	30.00	Pass
46	5230	21.80	20.52	20.53	21.71	525.307	27.20	30.00	Pass
54	5270	14.89	14.13	14.45	14.70	114.087	20.57	24.00	Pass
62	5310	14.85	14.14	14.36	14.77	113.772	20.56	24.00	Pass
102	5510	14.69	14.52	12.94	14.19	103.679	20.16	24.00	Pass
110	5550	15.08	14.55	14.52	14.48	117.089	20.69	24.00	Pass
134	5670	14.61	14.94	14.71	13.93	114.393	20.58	24.00	Pass
142	5710 For U-NII-2C	13.87	13.83	13.65	13.79	103.119	20.13	24.00	Pass
142	5710 For U-NII-3	3.36	2.98	3.01	3.55	9.077	9.58	30.00	Pass
151	5755	22.16	21.26	20.61	20.42	523.331	27.19	30.00	Pass
159	5795	23.05	22.45	21.75	21.76	677.221	28.31	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	42.13	27.24	>	24
62	5310	41.91	27.22	>	24
102	5510	41.82	27.21	>	24
110	5550	41.91	27.22	>	24
134	5670	41.83	27.21	>	24
142 (U-NII-2C)	5710	35.93	26.55	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	16.07	15.73	15.45	16.16	154.249	21.88	30.00	Pass
58	5290	16.96	17.05	15.32	16.19	175.990	22.45	24.00	Pass
106	5530	15.51	15.69	13.94	15.46	132.561	21.22	24.00	Pass
122	5610	16.49	16.99	16.65	16.56	186.097	22.70	24.00	Pass
138	5690 For U-NII-2C	17.29	17.03	16.75	16.45	237.633	23.76	24.00	Pass
138	5690 For U-NII-3	3.59	2.89	2.05	3.61	9.882	9.95	30.00	Pass
155	5775	19.61	19.20	18.77	18.66	323.375	25.10	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	82.46	30.16	>	24
106	5530	82.49	30.16	>	24
122	5610	82.31	30.15	>	24
138 (U-NII-2C)	5690	76.26	29.82	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT80+80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	10.08	11.59	-	-	24.607	13.91	30.00	Pass
58	5290	-	-	9.42	10.11	19.006	12.79	24.00	Pass
106	5530	15.99	15.51	-	-	75.282	18.77	24.00	Pass
122	5610	-	-	15.09	15.02	64.054	18.07	24.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
42+58(H)	5290	104.12	31.17	>	24
106+122(L)	5530	148.84	32.72	>	24
106+122(H)	5610	152.83	32.84	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	18.31	18.18	18.16	18.38	267.859	24.28	30.00	Pass
40	5200	18.44	18.15	18.24	18.36	270.366	24.32	30.00	Pass
48	5240	18.41	18.12	18.24	18.44	270.710	24.33	30.00	Pass
52	5260	11.01	10.72	10.83	10.96	49.001	16.90	24.00	Pass
60	5300	11.09	10.69	10.90	10.99	49.438	16.94	24.00	Pass
64	5320	11.07	10.77	10.86	11.03	49.600	16.95	24.00	Pass
100	5500	11.19	11.01	10.97	10.84	50.407	17.02	24.00	Pass
116	5580	11.13	10.99	10.90	11.04	50.541	17.04	24.00	Pass
140	5700	10.99	11.06	10.90	10.85	49.789	16.97	24.00	Pass
144	5720 For U-NII-2C	9.03	9.76	9.54	9.13	36.716	15.65	22.89	Pass
144	5720 For U-NII-3	4.19	4.61	4.95	3.88	11.748	10.70	30.00	Pass
149	5745	23.93	22.94	22.77	22.18	798.392	29.02	30.00	Pass
157	5785	23.66	22.87	22.51	22.26	772.421	28.88	30.00	Pass
165	5825	23.75	23.06	22.58	22.66	805.075	29.06	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.36	24.29	>	24
60	5300	21.21	24.26	>	24
64	5320	21.63	24.35	>	24
100	5500	21.13	24.24	>	24
116	5580	21.10	24.24	>	24
140	5700	21.17	24.25	>	24
144 (U-NII-2C)	5720	15.46	22.89	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	16.89	16.26	16.41	16.54	179.966	22.55	30.00	Pass
46	5230	21.88	20.59	20.59	21.77	533.587	27.27	30.00	Pass
54	5270	14.92	14.15	14.47	14.72	114.685	20.60	24.00	Pass
62	5310	14.88	14.16	14.38	14.80	114.438	20.59	24.00	Pass
102	5510	14.79	14.62	13.08	14.33	106.529	20.27	24.00	Pass
110	5550	15.11	14.58	14.55	14.51	117.901	20.72	24.00	Pass
134	5670	14.63	14.97	14.73	13.96	115.051	20.61	24.00	Pass
142	5710 For U-NII-2C	13.88	13.86	13.67	13.82	103.654	20.16	24.00	Pass
142	5710 For U-NII-3	3.37	3.01	3.03	3.58	9.124	9.60	30.00	Pass
151	5755	22.19	21.32	20.81	20.80	541.826	27.34	30.00	Pass
159	5795	23.25	22.55	21.95	21.81	699.616	28.45	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	42.13	27.24	>	24
62	5310	41.91	27.22	>	24
102	5510	41.82	27.21	>	24
110	5550	41.91	27.22	>	24
134	5670	41.83	27.21	>	24
142 (U-NII-2C)	5710	35.93	26.55	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	16.14	15.82	15.51	16.23	156.848	21.95	30.00	Pass
58	5290	17.02	17.15	15.42	16.31	179.820	22.55	24.00	Pass
106	5530	15.82	15.74	14.03	15.57	137.043	21.37	24.00	Pass
122	5610	16.51	17.02	16.67	16.58	187.072	22.72	24.00	Pass
138	5690 For U-NII-2C	17.32	17.07	16.79	16.49	239.681	23.80	24.00	Pass
138	5690 For U-NII-3	3.62	2.93	2.09	3.65	9.967	9.99	30.00	Pass
155	5775	19.67	19.33	19.05	18.72	333.213	25.23	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	82.46	30.16	>	24
106	5530	82.49	30.16	>	24
122	5610	82.31	30.15	>	24
138 (U-NII-2C)	5690	76.26	29.82	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE80+80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	10.14	11.71	-	-	25.153	14.01	30.00	Pass
58	5290	-	-	9.57	10.25	19.650	12.93	24.00	Pass
106	5530	16.11	15.62	-	-	77.307	18.88	24.00	Pass
122	5610	-	-	15.19	15.11	65.471	18.16	24.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
42+58(H)	5290	104.12	31.17	>	24
106+122(L)	5530	148.84	32.72	>	24
106+122(H)	5610	152.83	32.84	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

Test Mode A

Beamforming Mode

802.11ac (VHT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	17.81	17.67	17.61	17.73	235.843	23.73	23.98	Pass
40	5200	17.87	17.60	17.67	17.87	238.493	23.77	23.98	Pass
48	5240	17.75	17.52	17.74	17.95	237.863	23.76	23.98	Pass
52	5260	10.98	10.68	10.81	10.95	48.722	16.88	17.98	Pass
60	5300	11.06	10.66	10.88	10.98	49.183	16.92	17.98	Pass
64	5320	11.05	10.77	10.83	11.01	49.399	16.94	17.98	Pass
100	5500	11.18	10.98	10.93	10.82	50.120	17.00	17.98	Pass
116	5580	11.11	10.96	10.88	11.03	50.309	17.02	17.98	Pass
140	5700	10.99	11.04	10.88	10.83	49.618	16.96	17.98	Pass
144	5720 For U-NII-2C	9.00	9.75	9.50	9.09	36.337	15.60	16.87	Pass
144	5720 For U-NII-3	4.16	4.60	4.91	3.84	11.626	10.65	23.98	Pass
149	5745	17.22	17.45	17.44	16.78	211.419	23.25	23.98	Pass
157	5785	17.44	17.38	17.28	16.80	211.484	23.25	23.98	Pass
165	5825	17.33	17.50	17.29	16.58	209.388	23.21	23.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
6. For U-NII-3, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.36	24.29	>	24
60	5300	21.21	24.26	>	24
64	5320	21.63	24.35	>	24
100	5500	21.13	24.24	>	24
116	5580	21.10	24.24	>	24
140	5700	21.17	24.25	>	24
144 (U-NII-2C)	5720	15.46	22.89	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	16.82	16.21	16.34	16.46	177.178	22.48	23.98	Pass
46	5230	18.48	17.10	17.15	18.37	242.342	23.84	23.98	Pass
54	5270	11.18	10.77	10.78	11.18	50.151	17.00	17.98	Pass
62	5310	11.23	10.89	10.77	11.16	50.550	17.04	17.98	Pass
102	5510	11.33	11.28	11.15	11.01	52.661	17.21	17.98	Pass
110	5550	11.41	11.26	11.18	11.10	53.206	17.26	17.98	Pass
134	5670	11.48	11.36	11.22	11.18	54.103	17.33	17.98	Pass
142	5710 For U-NII-2C	11.10	11.00	10.87	11.04	54.336	17.35	17.98	Pass
142	5710 For U-NII-3	0.59	0.15	0.23	0.80	4.784	6.80	23.98	Pass
151	5755	17.22	17.52	17.31	16.71	209.925	23.22	23.98	Pass
159	5795	17.44	17.35	17.28	16.78	210.887	23.24	23.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
6. For U-NII-3, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	42.13	27.24	>	24
62	5310	41.91	27.22	>	24
102	5510	41.82	27.21	>	24
110	5550	41.91	27.22	>	24
134	5670	41.83	27.21	>	24
142 (U-NII-2C)	5710	35.93	26.55	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	16.07	15.73	15.45	16.16	154.249	21.88	23.98	Pass
58	5290	11.22	10.71	10.71	11.02	49.443	16.94	17.98	Pass
106	5530	11.48	11.19	11.08	11.11	52.948	17.24	17.98	Pass
122	5610	11.31	11.20	11.31	11.08	53.047	17.25	17.98	Pass
138	5690 For U-NII-2C	11.54	10.82	10.78	10.72	60.898	17.85	17.98	Pass
138	5690 For U-NII-3	-2.16	-3.32	-3.92	-2.12	2.544	4.05	23.98	Pass
155	5775	17.48	17.53	17.36	16.82	215.134	23.33	23.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
6. For U-NII-3, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	82.46	30.16	>	24
106	5530	82.49	30.16	>	24
122	5610	82.31	30.15	>	24
138 (U-NII-2C)	5690	76.26	29.82	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT80+80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	10.08	11.59	-	-	24.607	13.91	23.98	Pass
58	5290	-	-	9.42	10.11	19.006	12.79	17.98	Pass
106	5530	11.86	12.21	-	-	31.980	15.05	17.98	Pass
122	5610	-	-	10.65	11.83	26.855	14.29	17.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
42+58(H)	5290	104.12	31.17	>	24
106+122(L)	5530	148.84	32.72	>	24
106+122(H)	5610	152.83	32.84	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	17.86	17.73	17.67	17.79	238.983	23.78	23.98	Pass
40	5200	17.95	17.67	17.77	17.92	242.638	23.85	23.98	Pass
48	5240	17.85	17.61	17.82	18.01	242.406	23.85	23.98	Pass
52	5260	11.01	10.72	10.83	10.96	49.001	16.90	17.98	Pass
60	5300	11.09	10.69	10.90	10.99	49.438	16.94	17.98	Pass
64	5320	11.07	10.77	10.86	11.03	49.600	16.95	17.98	Pass
100	5500	11.19	11.01	10.97	10.84	50.407	17.02	17.98	Pass
116	5580	11.13	10.99	10.90	11.04	50.541	17.04	17.98	Pass
140	5700	10.99	11.06	10.90	10.85	49.789	16.97	17.98	Pass
144	5720 For U-NII-2C	9.03	9.76	9.54	9.13	36.584	15.63	16.87	Pass
144	5720 For U-NII-3	4.19	4.61	4.95	3.88	11.706	10.68	23.98	Pass
149	5745	17.31	17.58	17.55	16.89	216.857	23.36	23.98	Pass
157	5785	17.52	17.39	17.36	16.82	213.856	23.30	23.98	Pass
165	5825	17.41	17.52	17.33	16.78	213.293	23.29	23.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
6. For U-NII-3, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.36	24.29	>	24
60	5300	21.21	24.26	>	24
64	5320	21.63	24.35	>	24
100	5500	21.13	24.24	>	24
116	5580	21.10	24.24	>	24
140	5700	21.17	24.25	>	24
144 (U-NII-2C)	5720	15.46	22.89	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	16.89	16.26	16.41	16.54	179.966	22.55	23.98	Pass
46	5230	18.56	17.17	17.21	18.43	246.163	23.91	23.98	Pass
54	5270	11.20	10.89	10.88	11.21	50.916	17.07	17.98	Pass
62	5310	11.31	10.99	10.89	11.22	51.599	17.13	17.98	Pass
102	5510	11.44	11.31	11.22	11.08	53.519	17.29	17.98	Pass
110	5550	11.52	11.36	11.21	11.11	53.993	17.32	17.98	Pass
134	5670	11.55	11.41	11.33	11.21	54.921	17.40	17.98	Pass
142	5710 For U-NII-2C	11.16	11.05	10.93	11.08	54.997	17.40	17.98	Pass
142	5710 For U-NII-3	0.65	0.20	0.29	0.84	4.842	6.85	23.98	Pass
151	5755	17.33	17.63	17.41	16.89	215.964	23.34	23.98	Pass
159	5795	17.52	17.45	17.39	16.82	214.996	23.32	23.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
6. For U-NII-3, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	42.13	27.24	>	24
62	5310	41.91	27.22	>	24
102	5510	41.82	27.21	>	24
110	5550	41.91	27.22	>	24
134	5670	41.83	27.21	>	24
142 (U-NII-2C)	5710	35.93	26.55	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	16.14	15.82	15.51	16.23	156.848	21.95	23.98	Pass
58	5290	11.30	10.89	10.78	11.18	50.853	17.06	17.98	Pass
106	5530	11.55	11.22	11.18	11.22	53.898	17.32	17.98	Pass
122	5610	11.36	11.28	11.36	11.11	53.694	17.30	17.98	Pass
138	5690 For U-NII-2C	11.64	10.88	10.84	10.80	61.975	17.92	17.98	Pass
138	5690 For U-NII-3	-2.06	-3.26	-3.86	-2.04	2.590	4.13	23.98	Pass
155	5775	17.55	17.63	17.41	16.99	219.912	23.42	23.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
6. For U-NII-3, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	82.46	30.16	>	24
106	5530	82.49	30.16	>	24
122	5610	82.31	30.15	>	24
138 (U-NII-2C)	5690	76.26	29.82	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE80+80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	10.14	11.71	-	-	25.153	14.01	23.98	Pass
58	5290	-	-	9.57	10.25	19.650	12.93	17.98	Pass
106	5530	11.98	12.32	-	-	32.837	15.16	17.98	Pass
122	5610	-	-	10.75	11.92	27.445	14.38	17.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
42+58(H)	5290	104.12	31.17	>	24
106+122(L)	5530	148.84	32.72	>	24
106+122(H)	5610	152.83	32.84	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

Test Mode C

CDD Mode

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	17.87	17.75	17.72	17.89	241.475	23.83	30.00	Pass
40	5200	17.84	17.82	17.75	17.81	241.309	23.83	30.00	Pass
48	5240	17.81	17.80	17.70	17.87	240.770	23.82	30.00	Pass
52	5260	10.22	9.99	10.13	10.36	41.665	16.20	23.81	Pass
60	5300	10.45	9.83	10.01	10.42	41.746	16.21	23.86	Pass
64	5320	10.33	9.98	10.26	10.34	42.175	16.25	23.87	Pass
100	5500	10.31	9.82	9.82	10.21	40.423	16.07	23.84	Pass
116	5580	10.41	10.21	9.82	10.26	41.696	16.20	23.87	Pass
140	5700	10.43	10.45	10.02	10.23	42.723	16.31	23.87	Pass
144	5720 For U-NII-2C	9.44	9.37	9.63	9.30	37.781	15.77	22.65	Pass
144	5720 For U-NII-3	0.77	2.46	3.10	3.91	8.020	9.04	30.00	Pass
149	5745	23.72	23.22	22.82	22.42	811.407	29.09	30.00	Pass
157	5785	23.56	22.82	22.81	22.33	780.399	28.92	30.00	Pass
165	5825	23.82	23.31	22.82	22.63	829.937	29.19	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	19.13	23.81	<	24
60	5300	19.32	23.86	<	24
64	5320	19.37	23.87	<	24
100	5500	19.26	23.84	<	24
116	5580	19.39	23.87	<	24
140	5700	19.39	23.87	<	24
144 (U-NII-2C)	5720	14.65	22.65	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	16.66	17.11	15.36	16.34	175.158	22.43	30.00	Pass
40	5200	18.36	18.08	18.14	18.31	265.745	24.24	30.00	Pass
48	5240	18.31	18.03	18.16	18.38	265.626	24.24	30.00	Pass
52	5260	10.82	10.52	10.71	10.88	47.372	16.76	24.00	Pass
60	5300	9.93	10.52	10.70	10.72	44.664	16.50	24.00	Pass
64	5320	10.82	10.63	10.71	10.88	47.661	16.78	24.00	Pass
100	5500	11.02	10.82	10.88	10.71	48.748	16.88	24.00	Pass
116	5580	10.99	10.71	10.71	10.88	48.359	16.84	24.00	Pass
140	5700	10.82	10.88	10.72	10.71	47.904	16.80	24.00	Pass
144	5720 For U-NII-2C	10.12	10.68	10.24	10.31	45.712	16.60	22.92	Pass
144	5720 For U-NII-3	4.28	4.99	5.17	3.50	11.999	10.79	30.00	Pass
149	5745	23.52	22.23	22.41	21.93	722.150	28.59	30.00	Pass
157	5785	23.41	22.66	22.15	21.88	722.011	28.59	30.00	Pass
165	5825	23.40	22.71	22.36	22.41	751.782	28.76	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.36	24.29	>	24
60	5300	21.21	24.26	>	24
64	5320	21.63	24.35	>	24
100	5500	21.13	24.24	>	24
116	5580	21.10	24.24	>	24
140	5700	21.17	24.25	>	24
144 (U-NII-2C)	5720	15.58	22.92	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	15.44	15.52	13.69	15.52	129.673	21.13	30.00	Pass
46	5230	21.80	20.52	20.53	21.71	525.307	27.20	30.00	Pass
54	5270	14.86	14.10	14.45	14.76	114.107	20.57	24.00	Pass
62	5310	14.81	14.19	14.32	14.75	113.405	20.55	24.00	Pass
102	5510	14.88	14.60	14.50	14.10	113.489	20.55	24.00	Pass
110	5550	15.23	14.46	14.52	14.43	117.315	20.69	24.00	Pass
134	5670	14.57	15.01	14.67	13.65	112.820	20.52	24.00	Pass
142	5710 For U-NII-2C	12.31	13.30	12.97	13.08	84.682	19.28	24.00	Pass
142	5710 For U-NII-3	2.31	2.99	2.00	4.02	8.411	9.25	30.00	Pass
151	5755	22.02	21.14	20.52	20.33	509.852	27.07	30.00	Pass
159	5795	22.08	22.19	20.52	21.61	584.610	27.67	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	42.13	27.24	>	24
62	5310	41.91	27.22	>	24
102	5510	41.82	27.21	>	24
110	5550	41.91	27.22	>	24
134	5670	41.83	27.21	>	24
142 (U-NII-2C)	5710	36.09	26.57	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	13.42	13.79	12.02	13.04	81.971	19.14	30.00	Pass
58	5290	15.34	15.57	13.78	14.78	124.195	20.94	24.00	Pass
106	5530	15.86	15.63	13.95	15.19	132.976	21.24	24.00	Pass
122	5610	17.01	17.23	15.66	16.61	185.706	22.69	24.00	Pass
138	5690 For U-NII-2C	15.51	16.33	16.32	16.13	197.372	22.95	24.00	Pass
138	5690 For U-NII-3	1.45	2.27	1.44	2.94	7.832	8.94	30.00	Pass
155	5775	18.87	19.22	17.66	18.38	287.86	24.59	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	82.46	30.16	>	24
106	5530	82.49	30.16	>	24
122	5610	82.31	30.15	>	24
138 (U-NII-2C)	5690	76.34	29.82	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT80+80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	11.65	12.05	-	-	30.654	14.86	30.00	Pass
58	5290	-	-	11.52	12.11	30.446	14.84	24.00	Pass
106	5530	15.45	14.83	-	-	65.484	18.16	24.00	Pass
122	5610	-	-	15.01	14.86	62.315	17.95	24.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
42+58(H)	5290	104.12	31.17	>	24
106+122(L)	5530	148.84	32.72	>	24
106+122(H)	5610	152.83	32.84	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	16.71	17.15	15.39	16.39	176.906	22.48	30.00	Pass
40	5200	18.44	18.15	18.24	18.36	270.366	24.32	30.00	Pass
48	5240	18.41	18.12	18.24	18.44	270.710	24.33	30.00	Pass
52	5260	10.82	10.66	10.71	10.82	47.574	16.77	24.00	Pass
60	5300	10.86	10.52	10.86	10.99	48.212	16.83	24.00	Pass
64	5320	11.01	10.69	10.78	10.91	48.639	16.87	24.00	Pass
100	5500	11.10	10.88	10.82	10.71	48.983	16.90	24.00	Pass
116	5580	11.02	10.82	10.71	10.82	48.580	16.86	24.00	Pass
140	5700	10.72	10.93	10.88	10.71	48.213	16.83	24.00	Pass
144	5720 For U-NII-2C	10.12	10.68	10.24	10.31	45.876	16.62	22.92	Pass
144	5720 For U-NII-3	4.40	5.07	5.30	3.80	12.459	10.95	30.00	Pass
149	5745	23.89	22.90	22.67	22.10	786.999	28.96	30.00	Pass
157	5785	23.59	22.80	22.46	22.19	760.881	28.81	30.00	Pass
165	5825	23.66	23.01	22.49	22.60	791.649	28.99	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.36	24.29	>	24
60	5300	21.21	24.26	>	24
64	5320	21.63	24.35	>	24
100	5500	21.13	24.24	>	24
116	5580	21.10	24.24	>	24
140	5700	21.17	24.25	>	24
144 (U-NII-2C)	5720	15.58	22.92	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	15.48	15.56	13.72	15.55	130.736	21.16	30.00	Pass
46	5230	21.88	20.59	20.59	21.77	533.587	27.27	30.00	Pass
54	5270	14.89	14.12	14.48	14.80	114.908	20.60	24.00	Pass
62	5310	14.85	14.21	14.38	14.77	114.320	20.58	24.00	Pass
102	5510	14.91	14.62	14.53	14.13	114.209	20.58	24.00	Pass
110	5550	15.26	14.48	14.55	14.47	118.128	20.72	24.00	Pass
134	5670	14.60	15.04	14.70	13.67	113.549	20.55	24.00	Pass
142	5710 For U-NII-2C	12.34	13.39	12.90	13.15	85.306	19.31	24.00	Pass
142	5710 For U-NII-3	2.34	3.08	1.93	4.09	8.486	9.29	30.00	Pass
151	5755	22.11	21.29	20.75	20.71	533.752	27.27	30.00	Pass
159	5795	22.17	22.31	20.61	21.73	599.048	27.77	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	42.13	27.24	>	24
62	5310	41.91	27.22	>	24
102	5510	41.82	27.21	>	24
110	5550	41.91	27.22	>	24
134	5670	41.83	27.21	>	24
142 (U-NII-2C)	5710	36.09	26.57	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	13.47	13.82	12.05	13.08	82.688	19.17	30.00	Pass
58	5290	15.45	15.66	13.89	14.86	126.998	21.04	24.00	Pass
106	5530	15.92	15.71	14.05	15.31	135.696	21.33	24.00	Pass
122	5610	17.07	17.12	15.73	16.75	187.182	22.72	24.00	Pass
138	5690 For U-NII-2C	15.66	16.44	16.45	16.28	203.565	23.09	24.00	Pass
138	5690 For U-NII-3	1.60	2.38	1.57	3.09	8.080	9.07	30.00	Pass
155	5775	18.99	19.35	17.74	18.51	295.737	24.71	30.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	82.46	30.16	>	24
106	5530	82.49	30.16	>	24
122	5610	82.31	30.15	>	24
138 (U-NII-2C)	5690	76.34	29.82	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE80+80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	11.77	12.15	-	-	31.437	14.97	30.00	Pass
58	5290	-	-	11.61	12.22	31.160	14.94	24.00	Pass
106	5530	15.58	14.95	-	-	67.402	18.29	24.00	Pass
122	5610	-	-	15.11	14.99	63.984	18.06	24.00	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi = 6 dBi, so the output power limit shall not be reduced.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
42+58(H)	5290	104.12	31.17	>	24
106+122(L)	5530	148.84	32.72	>	24
106+122(H)	5610	152.83	32.84	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

Test Mode C

Beamforming Mode

802.11ac (VHT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	16.66	17.11	15.36	16.34	175.158	22.43	23.98	Pass
40	5200	17.87	17.60	17.67	17.87	238.493	23.77	23.98	Pass
48	5240	17.75	17.52	17.74	17.95	237.863	23.76	23.98	Pass
52	5260	10.82	10.52	10.71	10.88	47.372	16.76	17.98	Pass
60	5300	9.93	10.52	10.70	10.72	44.664	16.50	17.98	Pass
64	5320	10.82	10.63	10.71	10.88	47.661	16.78	17.98	Pass
100	5500	11.02	10.82	10.88	10.71	48.748	16.88	17.98	Pass
116	5580	10.99	10.71	10.71	10.88	48.359	16.84	17.98	Pass
140	5700	10.82	10.88	10.72	10.71	47.904	16.80	17.98	Pass
144	5720 For U-NII-2C	10.12	10.68	10.24	10.31	45.712	16.60	16.90	Pass
144	5720 For U-NII-3	4.28	4.99	5.17	3.50	11.999	10.79	23.98	Pass
149	5745	18.48	17.19	17.37	16.89	226.270	23.55	23.98	Pass
157	5785	18.48	17.73	17.22	16.95	232.030	23.66	23.98	Pass
165	5825	18.31	17.62	17.27	17.32	232.858	23.67	23.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
6. For U-NII-3, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.36	24.29	>	24
60	5300	21.21	24.26	>	24
64	5320	21.63	24.35	>	24
100	5500	21.13	24.24	>	24
116	5580	21.10	24.24	>	24
140	5700	21.17	24.25	>	24
144 (U-NII-2C)	5720	15.58	22.92	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	15.44	15.52	13.69	15.52	129.673	21.13	23.98	Pass
46	5230	18.48	17.10	17.15	18.37	242.342	23.84	23.98	Pass
54	5270	11.85	11.09	11.44	11.75	57.058	17.56	17.98	Pass
62	5310	11.81	11.19	11.32	11.75	56.837	17.55	17.98	Pass
102	5510	12.06	11.71	11.56	11.28	58.644	17.68	17.98	Pass
110	5550	12.41	11.58	11.67	11.55	60.784	17.84	17.98	Pass
134	5670	11.69	12.12	11.74	10.68	57.673	17.61	17.98	Pass
142	5710 For U-NII-2C	10.20	11.24	10.86	11.02	52.414	17.19	17.98	Pass
142	5710 For U-NII-3	0.17	0.84	-0.07	1.89	5.157	7.12	23.98	Pass
151	5755	18.54	17.72	17.05	16.89	230.170	23.62	23.98	Pass
159	5795	18.13	18.16	17.45	17.68	244.681	23.89	23.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
6. For U-NII-3, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	42.13	27.24	>	24
62	5310	41.91	27.22	>	24
102	5510	41.82	27.21	>	24
110	5550	41.91	27.22	>	24
134	5670	41.83	27.21	>	24
142 (U-NII-2C)	5710	36.09	26.57	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	13.42	13.79	12.02	13.04	81.971	19.14	23.98	Pass
58	5290	11.93	12.16	10.37	11.37	56.637	17.53	17.98	Pass
106	5530	12.44	12.20	10.45	11.72	60.086	17.79	17.98	Pass
122	5610	12.11	12.29	10.71	11.61	59.463	17.74	17.98	Pass
138	5690 For U-NII-2C	10.22	10.86	10.92	10.68	56.837	17.55	17.98	Pass
138	5690 For U-NII-3	-3.84	-3.20	-3.96	-2.51	2.254	3.53	23.98	Pass
155	5775	18.05	18.37	16.84	17.44	236.302	23.73	23.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
6. For U-NII-3, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	82.46	30.16	>	24
106	5530	82.49	30.16	>	24
122	5610	82.31	30.15	>	24
138 (U-NII-2C)	5690	76.26	29.82	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT80+80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	11.65	12.05	-	-	30.654	14.86	23.98	Pass
58	5290	-	-	11.52	12.11	30.446	14.84	17.98	Pass
106	5530	12.14	11.49	-	-	30.461	14.84	17.98	Pass
122	5610	-	-	11.56	11.54	28.578	14.56	17.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
42+58(H)	5290	104.12	31.17	>	24
106+122(L)	5530	148.84	32.72	>	24
106+122(H)	5610	152.83	32.84	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	16.71	17.15	15.39	16.39	176.906	22.48	23.98	Pass
40	5200	17.95	17.67	17.77	17.92	242.638	23.85	23.98	Pass
48	5240	17.85	17.61	17.82	18.01	242.406	23.85	23.98	Pass
52	5260	10.82	10.66	10.71	10.82	47.574	16.77	17.98	Pass
60	5300	10.86	10.52	10.86	10.99	48.212	16.83	17.98	Pass
64	5320	11.01	10.69	10.78	10.91	48.639	16.87	17.98	Pass
100	5500	11.10	10.88	10.82	10.71	48.983	16.90	17.98	Pass
116	5580	11.02	10.82	10.71	10.82	48.580	16.86	17.98	Pass
140	5700	10.72	10.93	10.88	10.71	48.213	16.83	17.98	Pass
144	5720 For U-NII-2C	10.12	10.68	10.24	10.31	45.712	16.60	16.90	Pass
144	5720 For U-NII-3	4.40	5.07	5.30	3.80	12.415	10.94	23.98	Pass
149	5745	18.85	17.86	17.63	17.06	246.589	23.92	23.98	Pass
157	5785	18.66	17.87	17.53	17.26	244.521	23.88	23.98	Pass
165	5825	18.57	17.92	17.40	17.51	245.207	23.90	23.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
6. For U-NII-3, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.36	24.29	>	24
60	5300	21.21	24.26	>	24
64	5320	21.63	24.35	>	24
100	5500	21.13	24.24	>	24
116	5580	21.10	24.24	>	24
140	5700	21.17	24.25	>	24
144 (U-NII-2C)	5720	15.58	22.92	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	15.48	15.56	13.72	15.55	130.736	21.16	23.98	Pass
46	5230	18.56	17.17	17.21	18.43	246.163	23.91	23.98	Pass
54	5270	11.88	11.11	11.47	11.79	57.458	17.59	17.98	Pass
62	5310	11.85	11.21	11.38	11.77	57.296	17.58	17.98	Pass
102	5510	12.09	11.73	11.59	11.31	59.016	17.71	17.98	Pass
110	5550	12.44	11.60	11.70	11.59	61.205	17.87	17.98	Pass
134	5670	11.72	12.15	11.77	10.70	58.046	17.64	17.98	Pass
142	5710 For U-NII-2C	10.33	11.40	10.86	11.14	53.678	17.30	17.98	Pass
142	5710 For U-NII-3	0.33	1.09	-0.11	2.08	5.341	7.28	23.98	Pass
151	5755	18.63	17.87	17.28	17.27	240.971	23.82	23.98	Pass
159	5795	18.22	18.28	16.54	17.80	239.010	23.78	23.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
6. For U-NII-3, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	42.13	27.24	>	24
62	5310	41.91	27.22	>	24
102	5510	41.82	27.21	>	24
110	5550	41.91	27.22	>	24
134	5670	41.83	27.21	>	24
142 (U-NII-2C)	5710	36.09	26.57	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	13.47	13.82	12.05	13.08	82.688	19.17	23.98	Pass
58	5290	12.04	12.25	10.48	11.45	57.916	17.63	17.98	Pass
106	5530	12.50	12.28	10.55	11.84	61.313	17.88	17.98	Pass
122	5610	12.17	12.38	10.78	11.75	60.710	17.83	17.98	Pass
138	5690 For U-NII-2C	10.37	10.97	11.05	10.83	58.622	17.68	17.98	Pass
138	5690 For U-NII-3	-3.69	-3.09	-3.83	-2.36	2.325	3.66	23.98	Pass
155	5775	18.17	18.50	16.92	17.57	242.761	23.85	23.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
6. For U-NII-3, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	82.46	30.16	>	24
106	5530	82.49	30.16	>	24
122	5610	82.31	30.15	>	24
138 (U-NII-2C)	5690	76.34	29.82	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE80+80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	11.77	12.15			31.437	14.97	23.98	Pass
58	5290			11.61	12.22	31.160	14.94	17.98	Pass
106	5530	12.27	11.61			31.353	14.96	17.98	Pass
122	5610			11.66	11.67	29.345	14.68	17.98	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
3. For U-NII-1, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(12.02-6) = 23.98 dBm.
4. For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].
5. For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(12.02-6)].

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

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
42+58(H)	5290	104.12	31.17	>	24
106+122(L)	5530	148.84	32.72	>	24
106+122(H)	5610	152.83	32.84	>	24

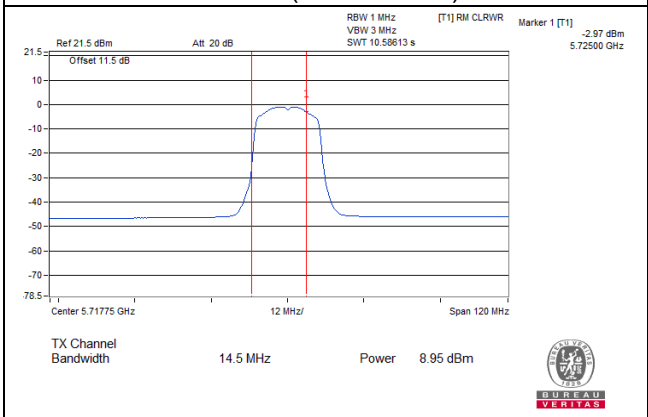
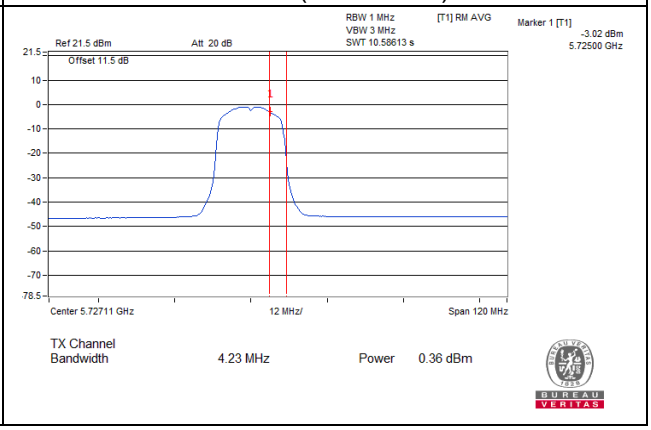
Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

Straddle channel power plots:

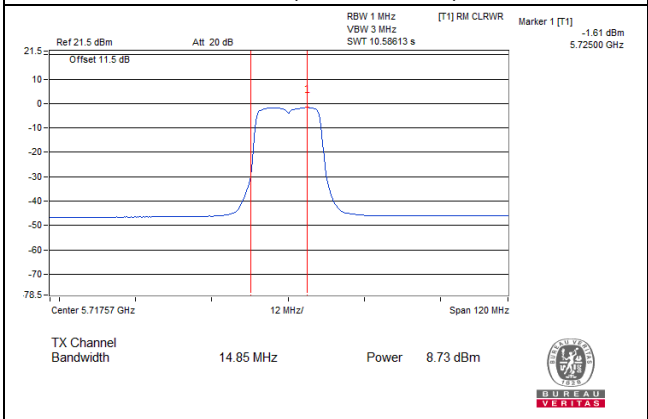
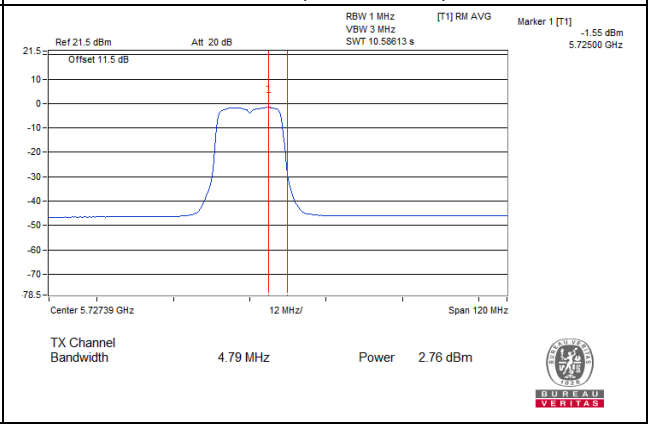
Test Mode A

802.11a

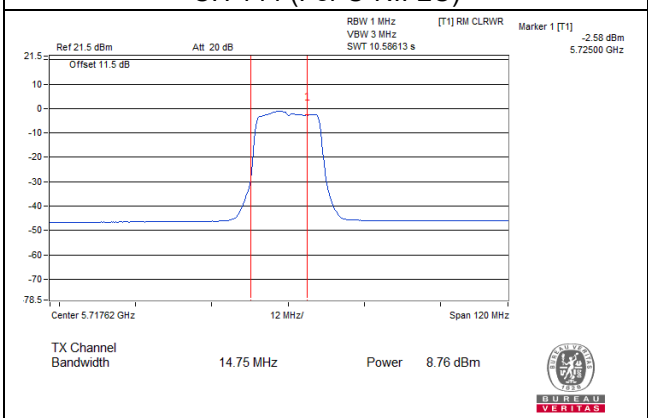
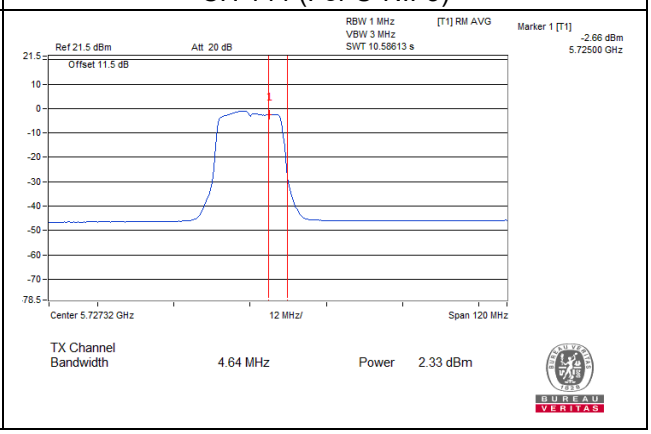
Chain 0

CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
	
TX Channel Bandwidth 14.5 MHz Power 8.95 dBm	TX Channel Bandwidth 4.23 MHz Power 0.36 dBm

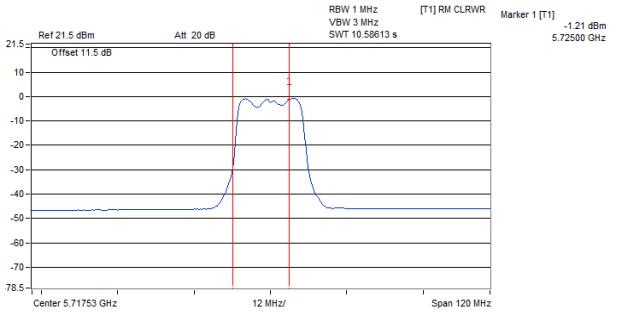
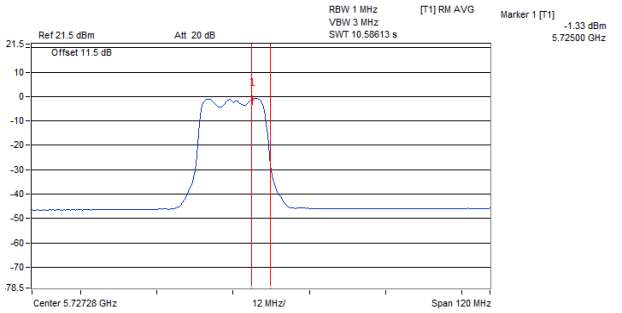
Chain 1

CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
	
TX Channel Bandwidth 14.85 MHz Power 8.73 dBm	TX Channel Bandwidth 4.79 MHz Power 2.76 dBm

Chain 2

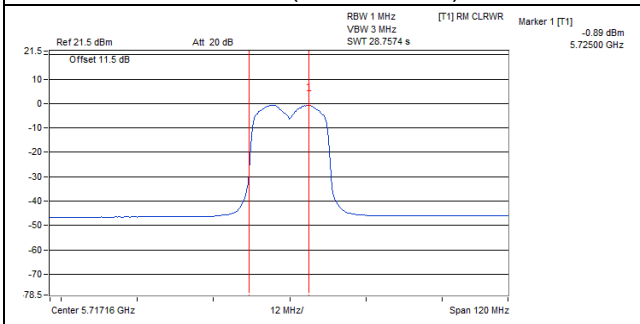
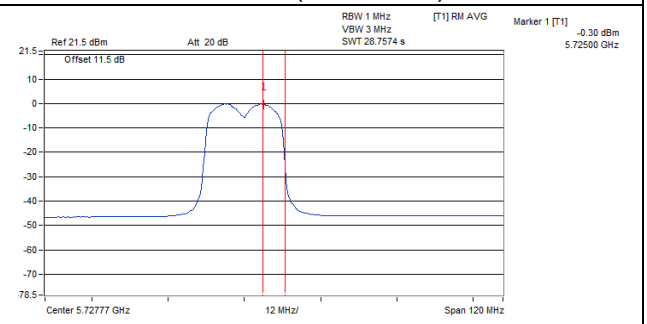
CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
	
TX Channel Bandwidth 14.75 MHz Power 8.76 dBm	TX Channel Bandwidth 4.64 MHz Power 2.33 dBm

Chain 3

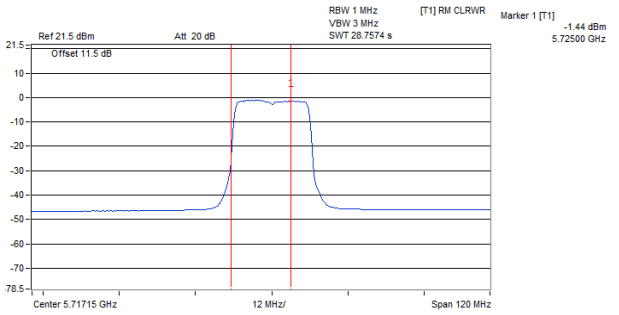
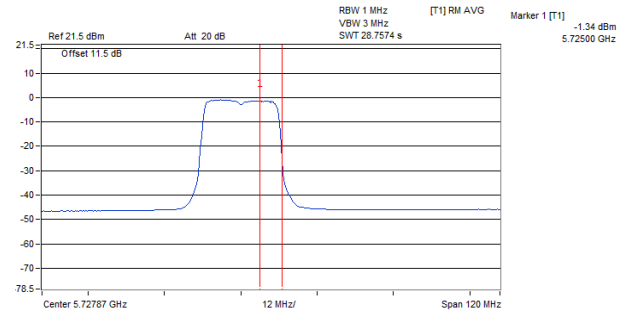
CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
 TX Channel Bandwidth 14.93 MHz Power 8.63 dBm	 TX Channel Bandwidth 4.56 MHz Power 3.43 dBm

802.11ax (HE20)

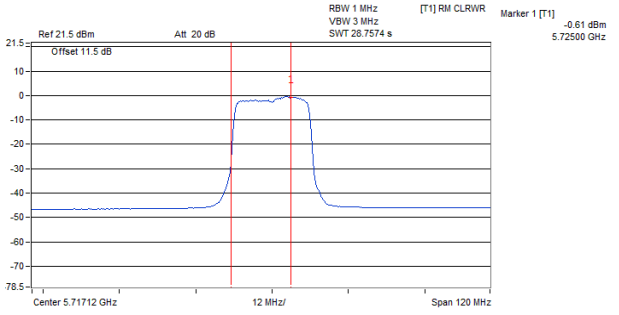
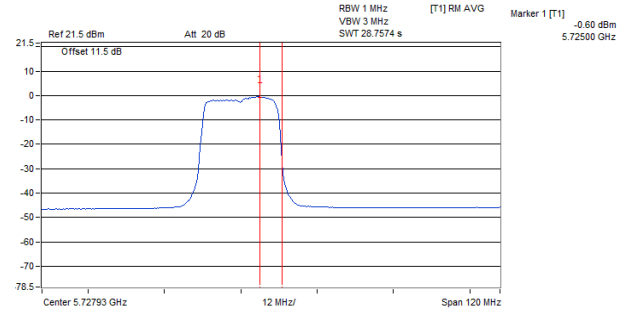
Chain 0

CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
	
TX Channel Bandwidth 15.68 MHz Power 9.03 dBm	TX Channel Bandwidth 5.55 MHz Power 4.19 dBm

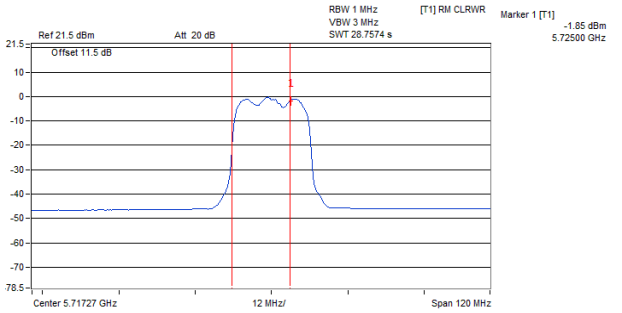
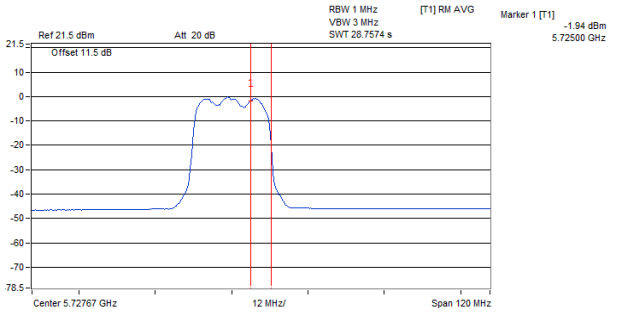
Chain 1

CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
	
TX Channel Bandwidth 15.7 MHz Power 9.76 dBm	TX Channel Bandwidth 5.75 MHz Power 4.61 dBm

Chain 2

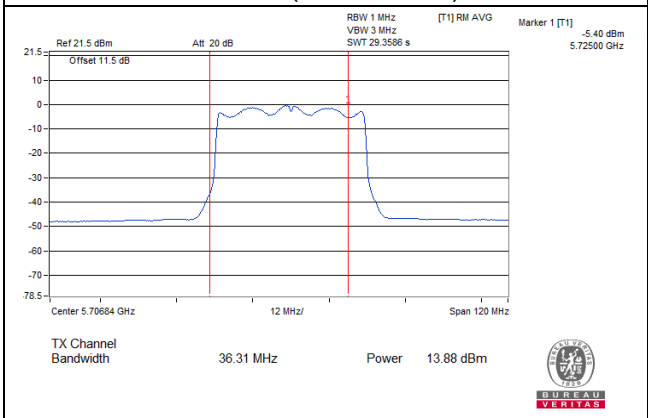
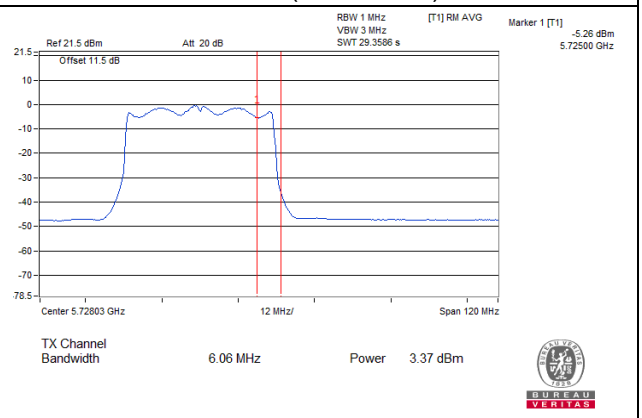
CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
	
TX Channel Bandwidth 15.76 MHz Power 9.54 dBm	TX Channel Bandwidth 5.87 MHz Power 4.95 dBm

Chain 3

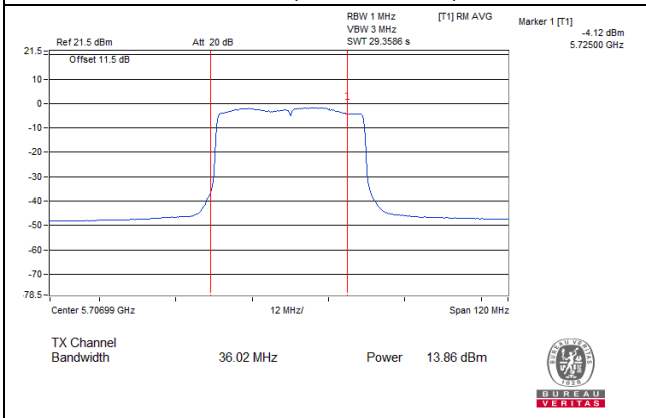
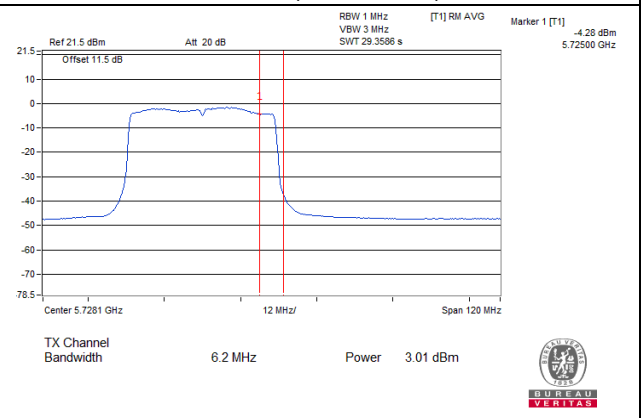
CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
 TX Channel Bandwidth 15.46 MHz Power 9.13 dBm	 TX Channel Bandwidth 5.35 MHz Power 3.88 dBm

802.11ax (HE40)

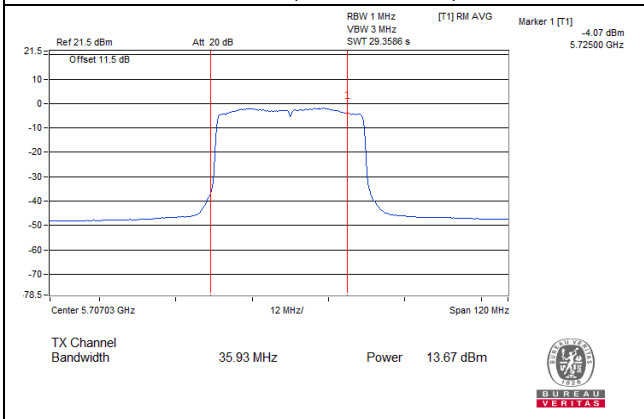
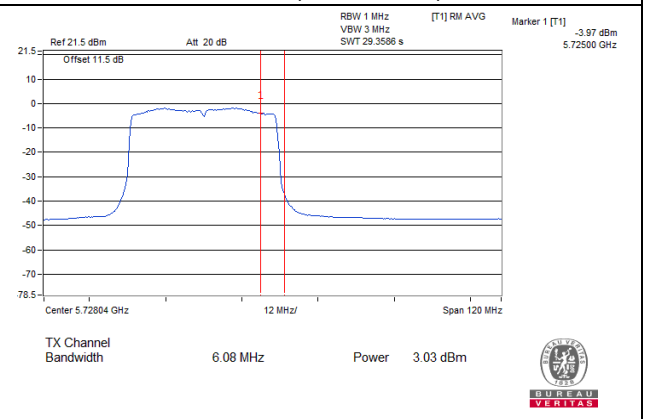
Chain 0

CH 142 (For U-NII-2C)	CH 142 (For U-NII-3)
	
TX Channel Bandwidth 36.31 MHz Power 13.88 dBm	TX Channel Bandwidth 6.06 MHz Power 3.37 dBm

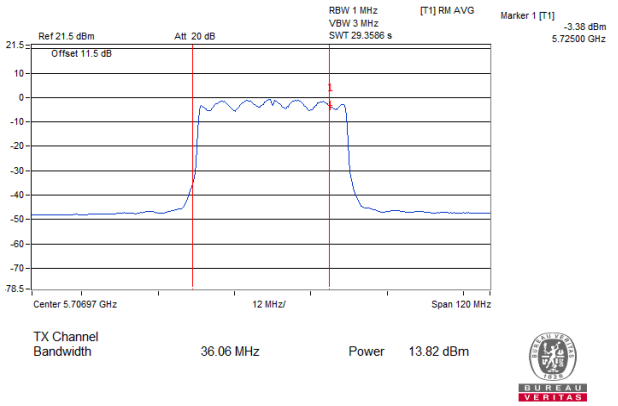
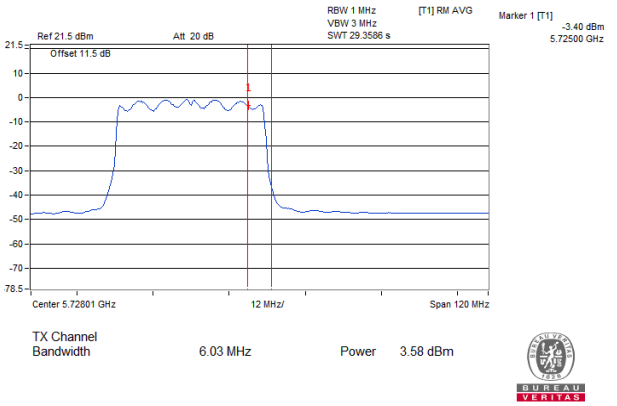
Chain 1

CH 142 (For U-NII-2C)	CH 142 (For U-NII-3)
	
TX Channel Bandwidth 36.02 MHz Power 13.86 dBm	TX Channel Bandwidth 6.2 MHz Power 3.01 dBm

Chain 2

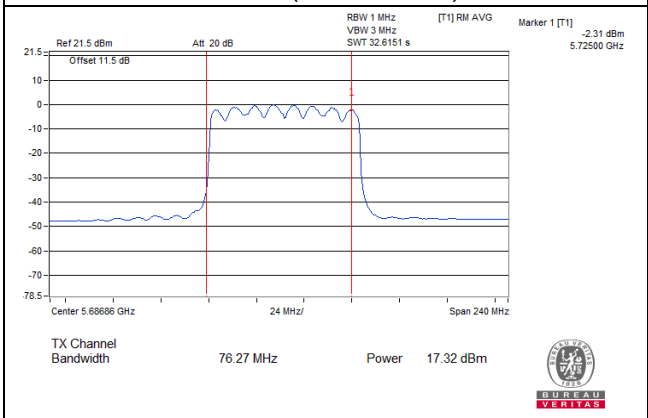
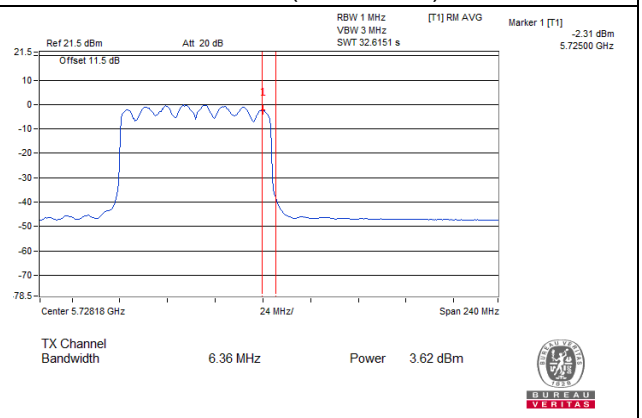
CH 142 (For U-NII-2C)	CH 142 (For U-NII-3)
	
TX Channel Bandwidth 35.93 MHz Power 13.67 dBm	TX Channel Bandwidth 6.08 MHz Power 3.03 dBm

Chain 3

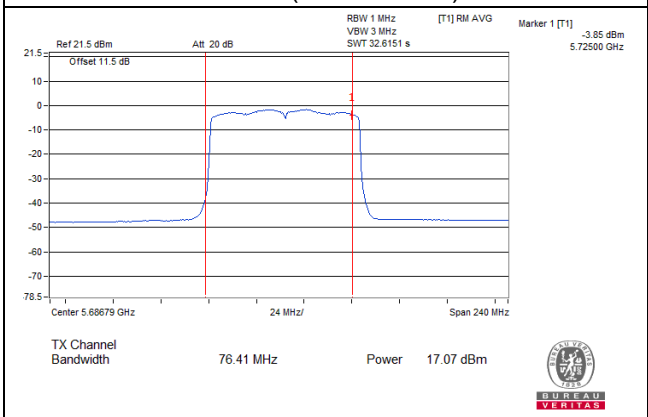
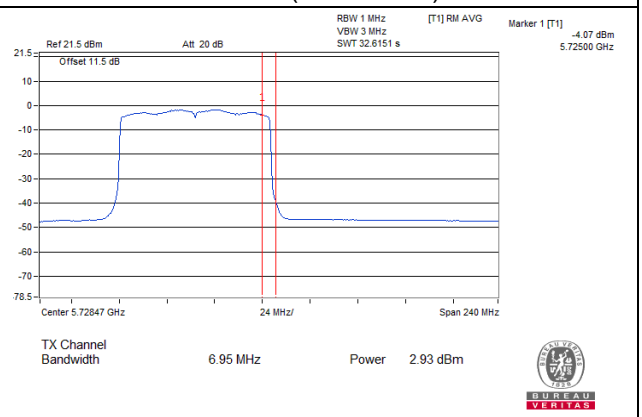
CH 142 (For U-NII-2C)	CH 142 (For U-NII-3)
	

802.11ax (HE80)

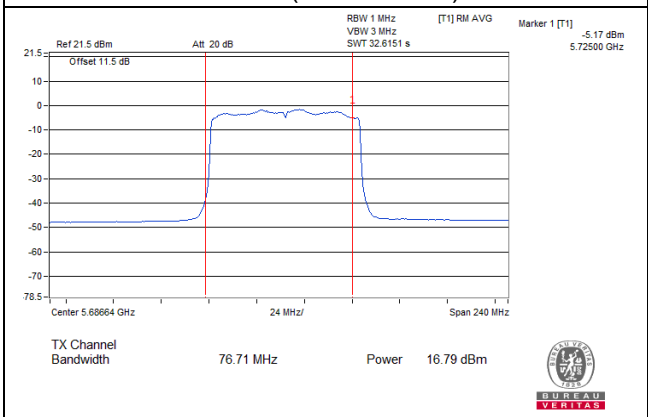
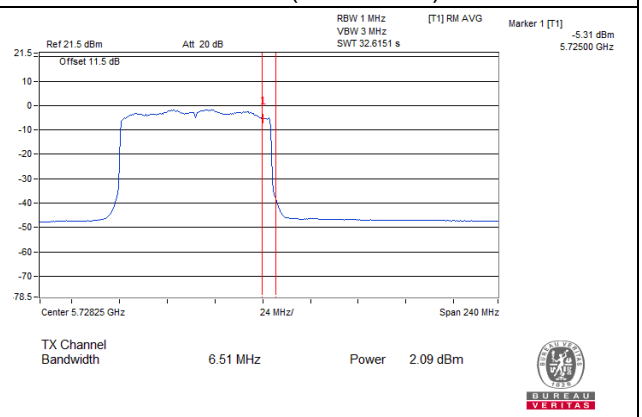
Chain 0

CH 138 (For U-NII-2C)	CH 138 (For U-NII-3)
	
TX Channel Bandwidth 76.27 MHz Power 17.32 dBm	TX Channel Bandwidth 6.36 MHz Power 3.62 dBm

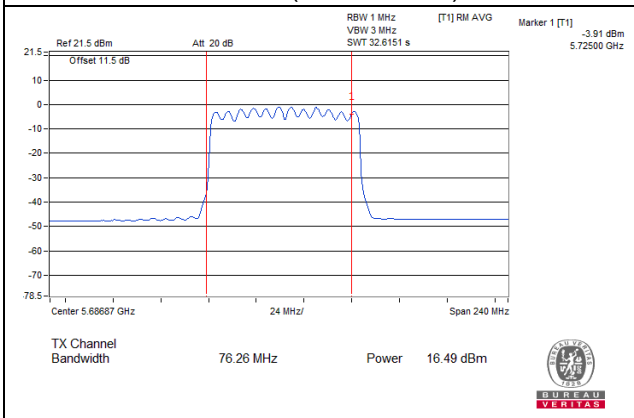
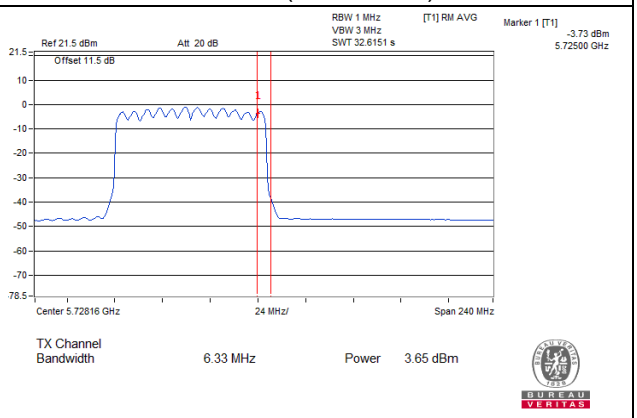
Chain 1

CH 138 (For U-NII-2C)	CH 138 (For U-NII-3)
	
TX Channel Bandwidth 76.41 MHz Power 17.07 dBm	TX Channel Bandwidth 6.95 MHz Power 2.93 dBm

Chain 2

CH 138 (For U-NII-2C)	CH 138 (For U-NII-3)
	
TX Channel Bandwidth 76.71 MHz Power 16.79 dBm	TX Channel Bandwidth 6.51 MHz Power 2.09 dBm

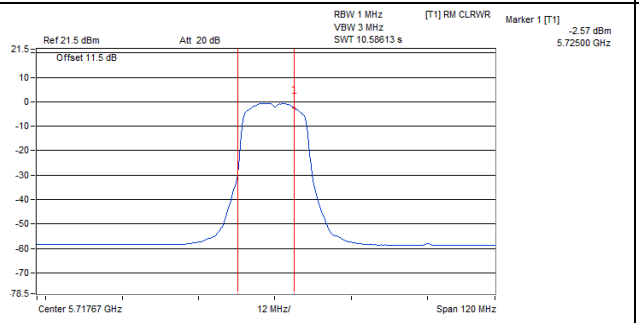
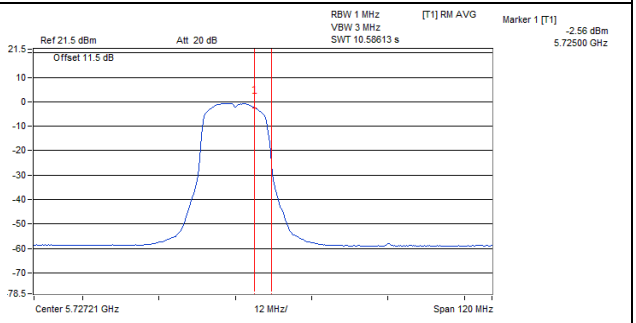
Chain 3

CH 138 (For U-NII-2C)	CH 138 (For U-NII-3)
 TX Channel Bandwidth 76.26 MHz Power 16.49 dBm	 TX Channel Bandwidth 6.33 MHz Power 3.65 dBm

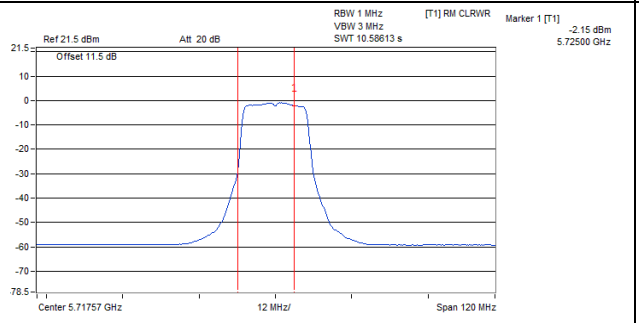
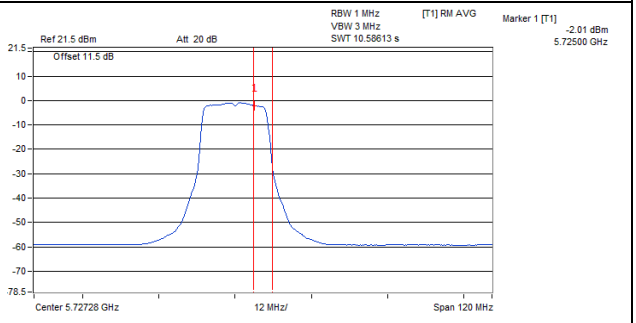
Test Mode C

802.11a

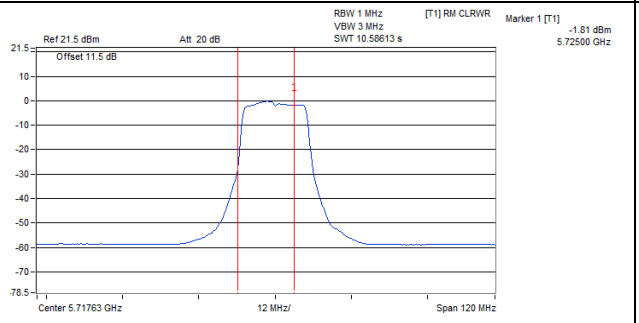
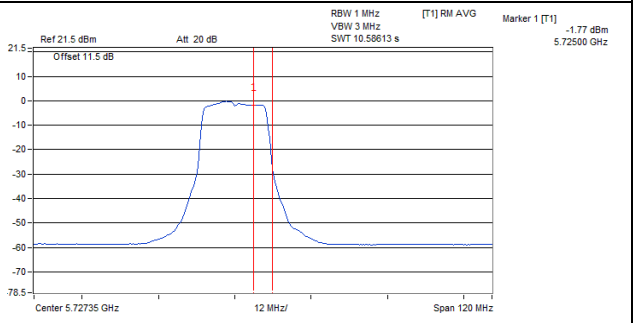
Chain 0

CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
 TX Channel Bandwidth 14.65 MHz Power 9.44 dBm	 TX Channel Bandwidth 4.42 MHz Power 0.77 dBm

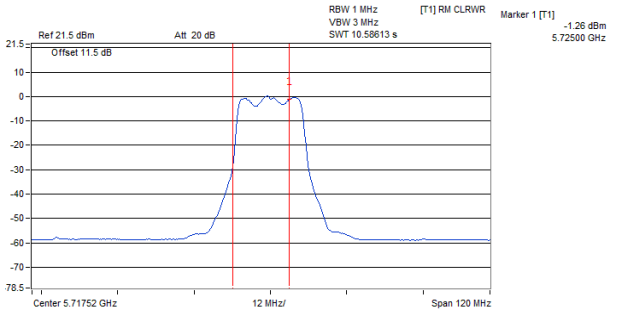
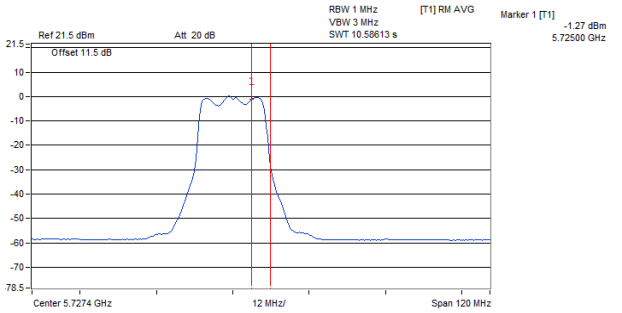
Chain 1

CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
 TX Channel Bandwidth 14.86 MHz Power 9.37 dBm	 TX Channel Bandwidth 4.57 MHz Power 2.46 dBm

Chain 2

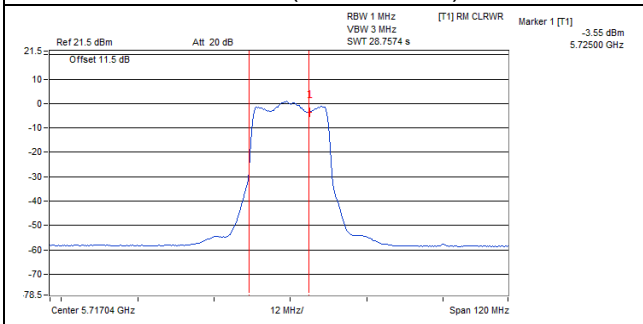
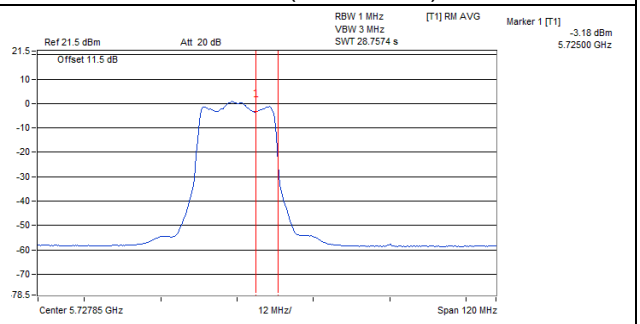
CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
 TX Channel Bandwidth 14.74 MHz Power 9.63 dBm	 TX Channel Bandwidth 4.71 MHz Power 3.1 dBm

Chain 3

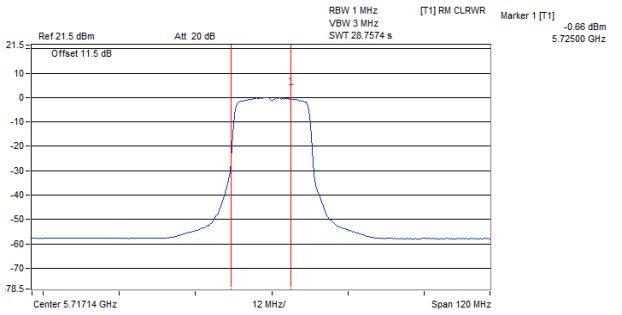
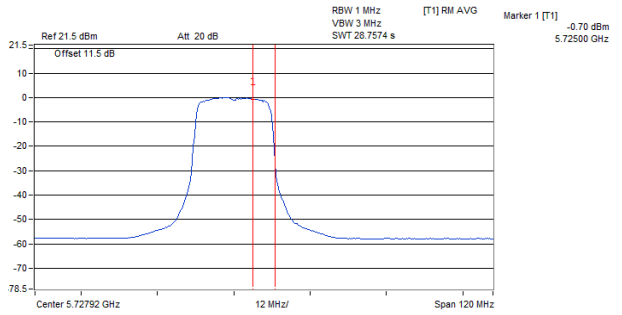
CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
 TX Channel Bandwidth 14.95 MHz Power 9.3 dBm	 TX Channel Bandwidth 4.81 MHz Power 3.91 dBm

802.11ax (HE20)

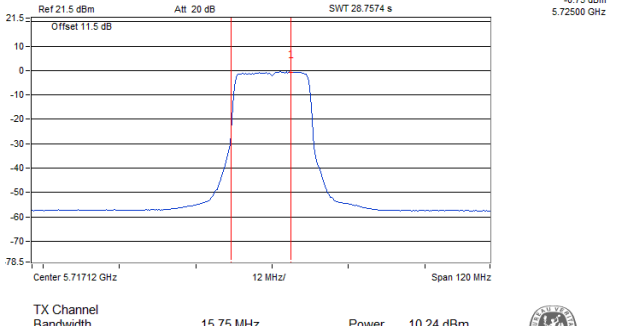
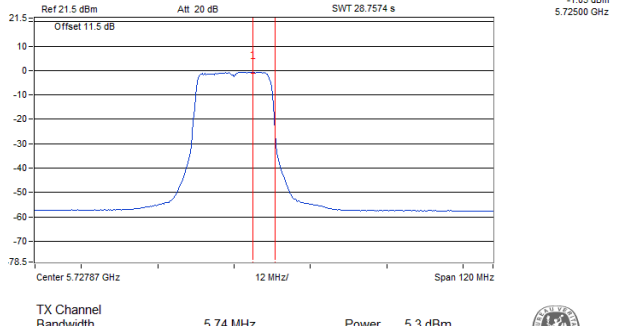
Chain 0

CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
	
TX Channel Bandwidth 15.91 MHz Power 10.12 dBm	TX Channel Bandwidth 5.7 MHz Power 4.4 dBm

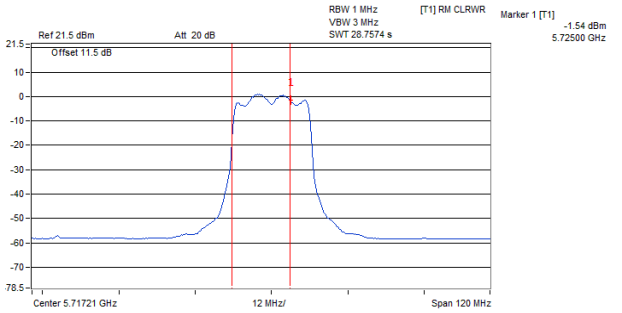
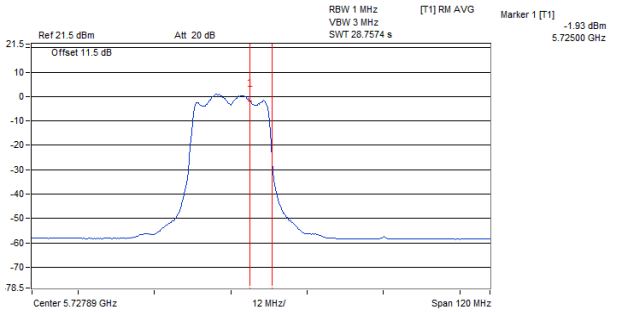
Chain 1

CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
	
TX Channel Bandwidth 15.72 MHz Power 10.68 dBm	TX Channel Bandwidth 5.84 MHz Power 5.07 dBm

Chain 2

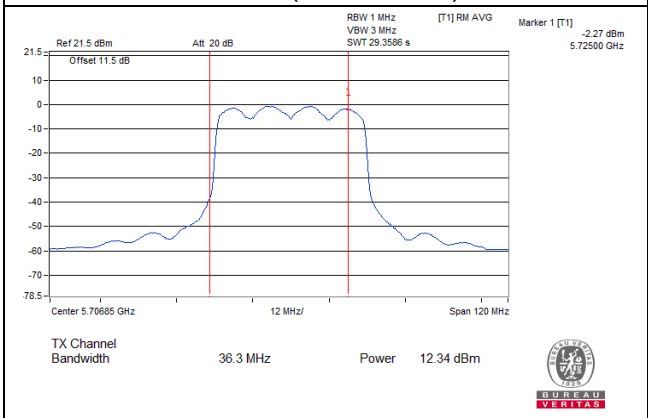
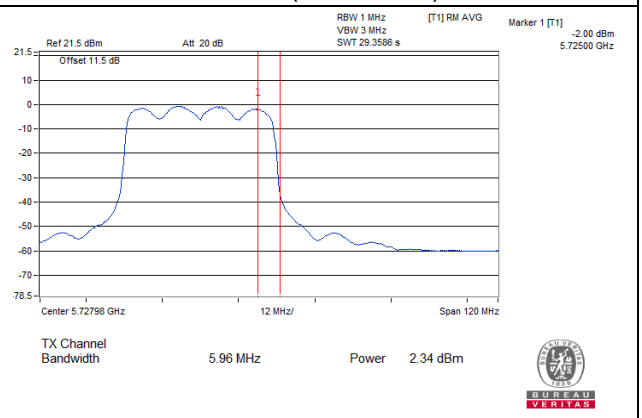
CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
	
TX Channel Bandwidth 15.75 MHz Power 10.24 dBm	TX Channel Bandwidth 5.74 MHz Power 5.3 dBm

Chain 3

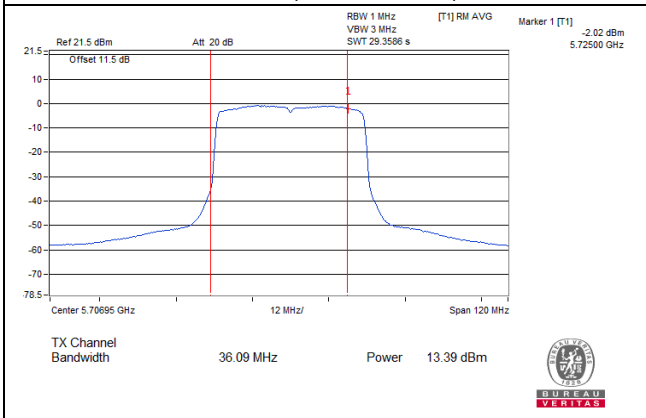
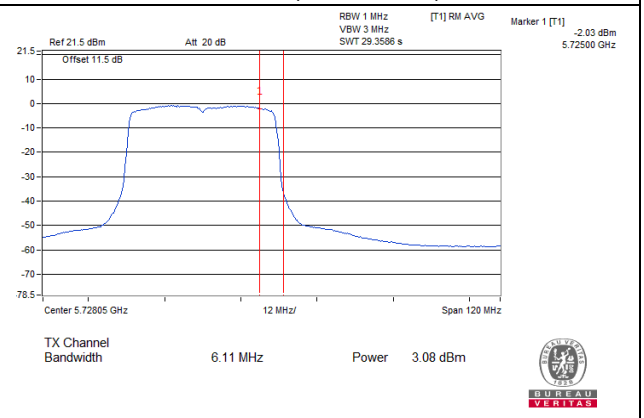
CH 144 (For U-NII-2C)	CH 144 (For U-NII-3)
 TX Channel Bandwidth 15.58 MHz Power 10.31 dBm	 TX Channel Bandwidth 5.79 MHz Power 3.8 dBm

802.11ax (HE40)

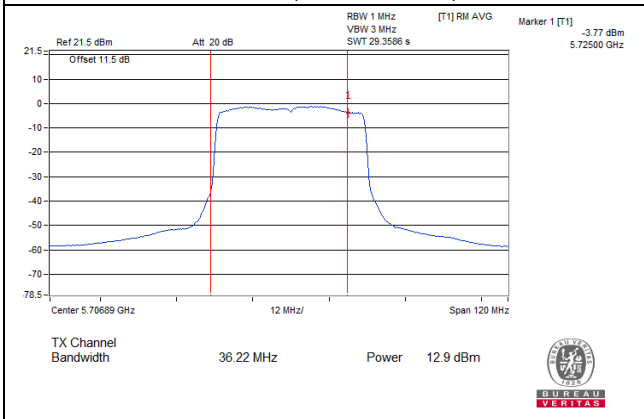
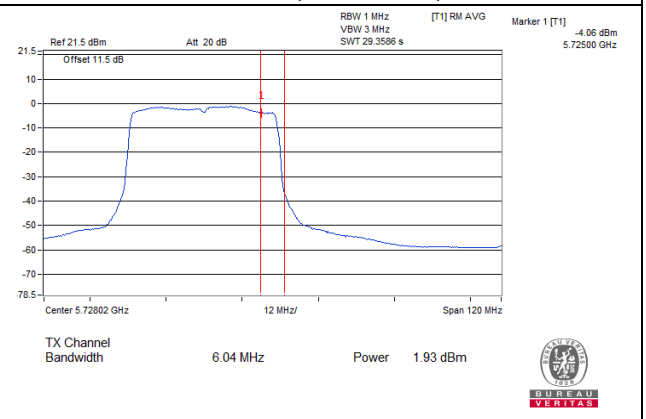
Chain 0

CH 142 (For U-NII-2C)	CH 142 (For U-NII-3)
	
TX Channel Bandwidth 36.3 MHz Power 12.34 dBm	TX Channel Bandwidth 5.96 MHz Power 2.34 dBm

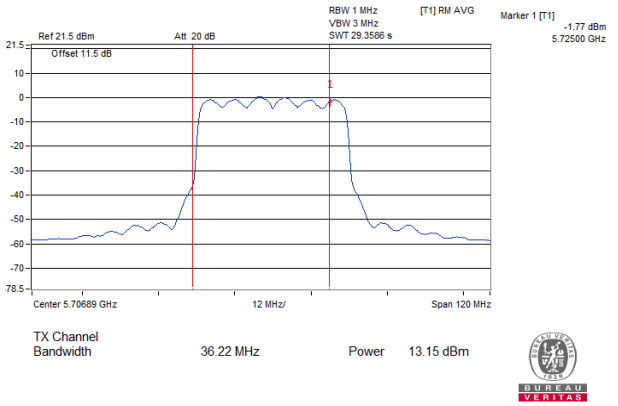
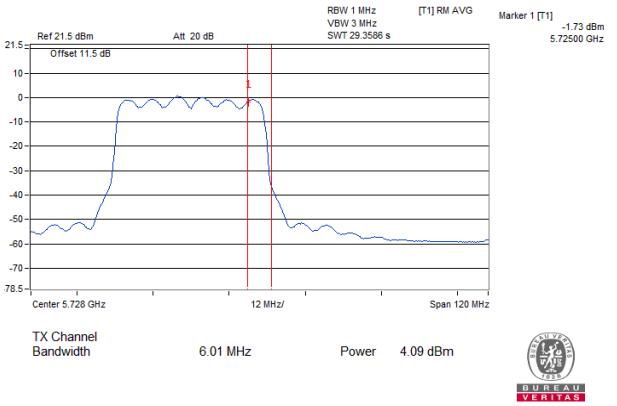
Chain 1

CH 142 (For U-NII-2C)	CH 142 (For U-NII-3)
	
TX Channel Bandwidth 36.09 MHz Power 13.39 dBm	TX Channel Bandwidth 6.11 MHz Power 3.08 dBm

Chain 2

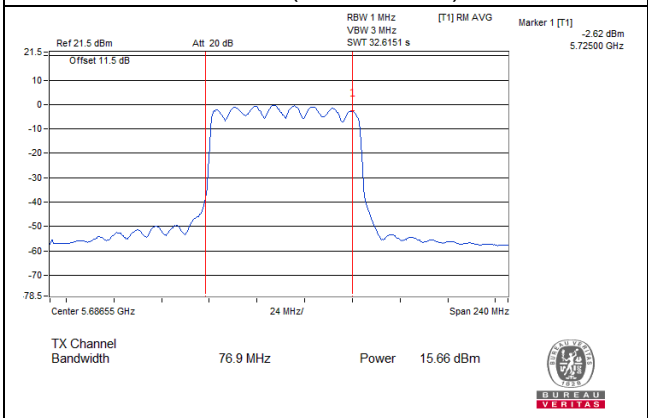
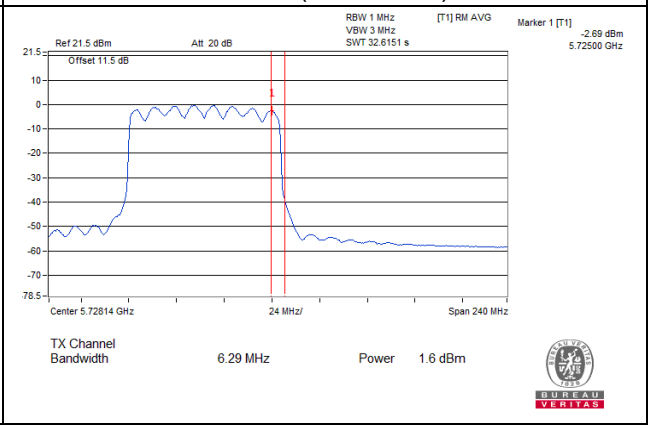
CH 142 (For U-NII-2C)	CH 142 (For U-NII-3)
	
TX Channel Bandwidth 36.22 MHz Power 12.9 dBm	TX Channel Bandwidth 6.04 MHz Power 1.93 dBm

Chain 3

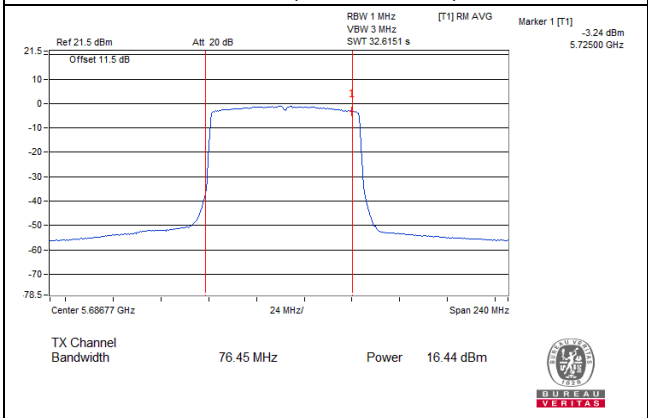
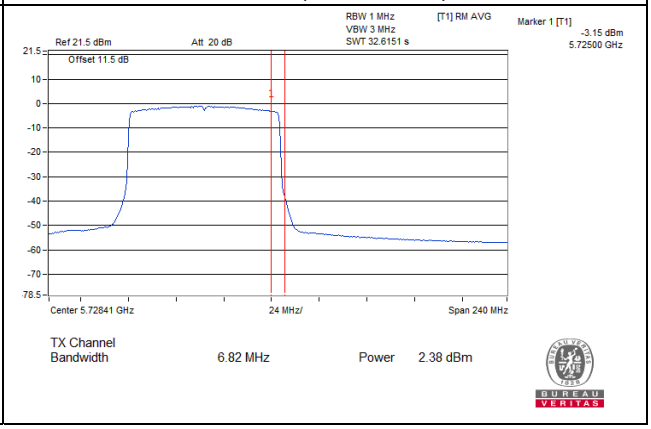
CH 142 (For U-NII-2C)	CH 142 (For U-NII-3)
 TX Channel Bandwidth 36.22 MHz Power 13.15 dBm	 TX Channel Bandwidth 6.01 MHz Power 4.09 dBm

802.11ax (HE80)

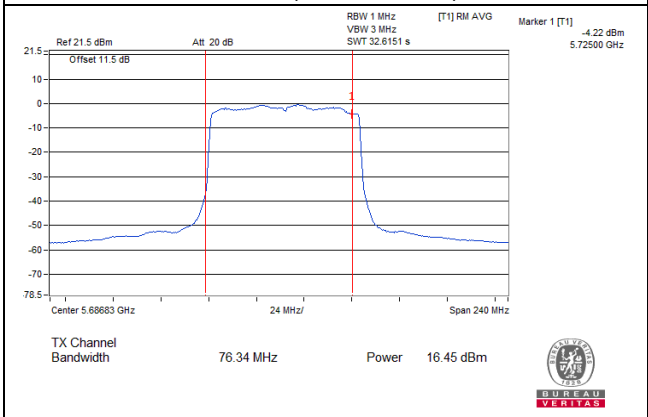
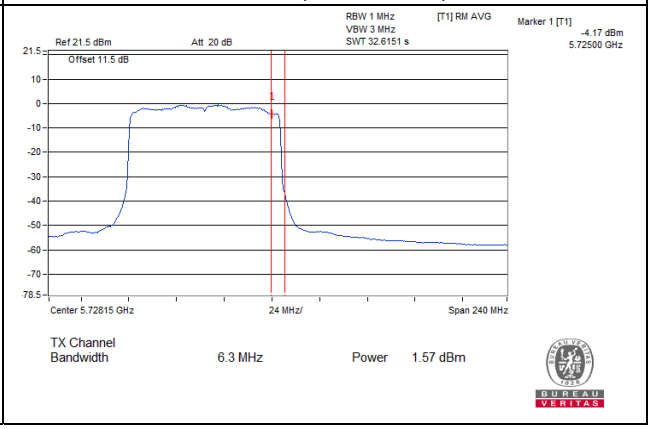
Chain 0

CH 138 (For U-NII-2C)	CH 138 (For U-NII-3)
	
TX Channel Bandwidth 76.9 MHz Power 15.66 dBm	TX Channel Bandwidth 6.29 MHz Power 1.6 dBm

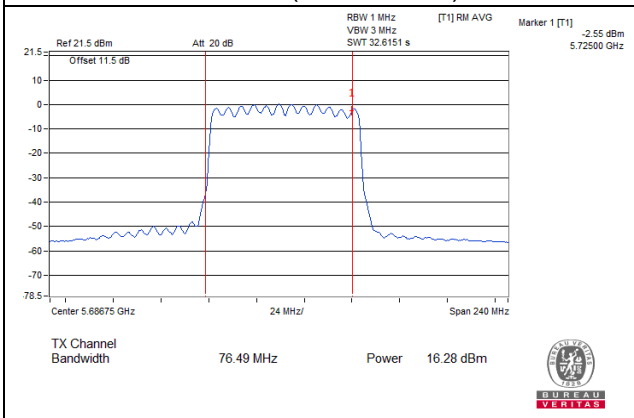
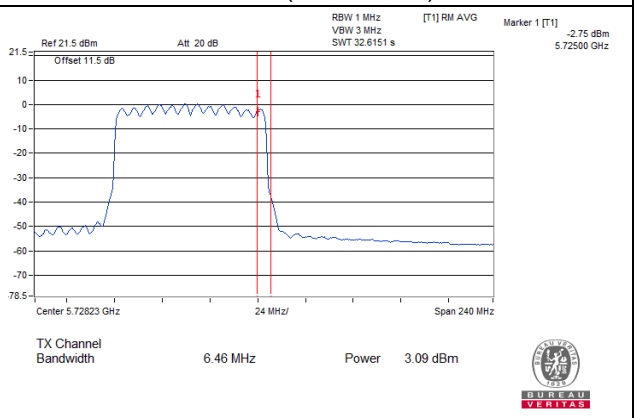
Chain 1

CH 138 (For U-NII-2C)	CH 138 (For U-NII-3)
	
TX Channel Bandwidth 76.45 MHz Power 16.44 dBm	TX Channel Bandwidth 6.82 MHz Power 2.38 dBm

Chain 2

CH 138 (For U-NII-2C)	CH 138 (For U-NII-3)
	
TX Channel Bandwidth 76.34 MHz Power 16.45 dBm	TX Channel Bandwidth 6.3 MHz Power 1.57 dBm

Chain 3

CH 138 (For U-NII-2C)	CH 138 (For U-NII-3)
 TX Channel Bandwidth 76.49 MHz Power 16.28 dBm	 TX Channel Bandwidth 6.46 MHz Power 3.09 dBm

26dB Bandwidth:

Test Mode A

802.11a

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	19.13	19.71	19.82	19.39
60	5300	19.32	19.66	19.97	19.55
64	5320	19.46	19.67	20.05	19.37
100	5500	19.26	19.59	19.69	19.55
116	5580	19.39	19.40	19.92	19.65
140	5700	20.00	19.59	19.39	19.50
144	5720 For U-NII-2C	14.50	14.85	14.75	14.93

802.11ax (HE20)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	21.36	21.47	21.39	21.47
60	5300	21.61	21.82	21.58	21.21
64	5320	21.92	21.63	21.64	21.66
100	5500	21.98	21.88	21.67	21.13
116	5580	21.35	21.40	21.10	21.40
140	5700	21.66	21.17	21.35	21.68
144	5720 For U-NII-2C	15.68	15.70	15.76	15.46

802.11ax (HE40)

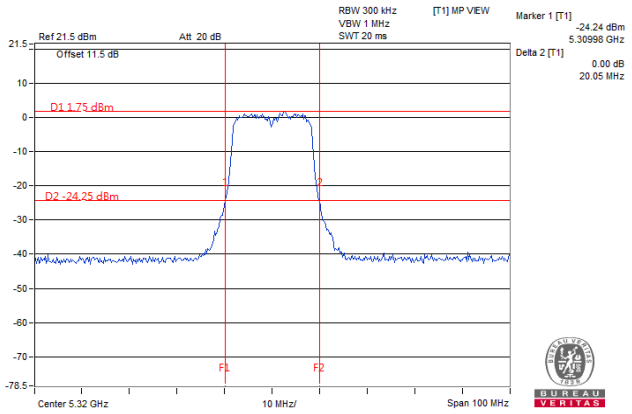
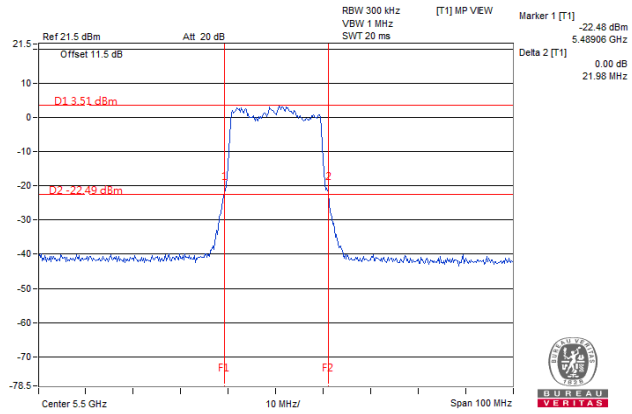
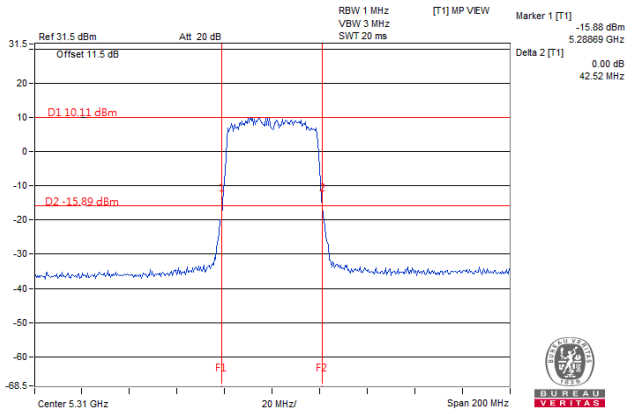
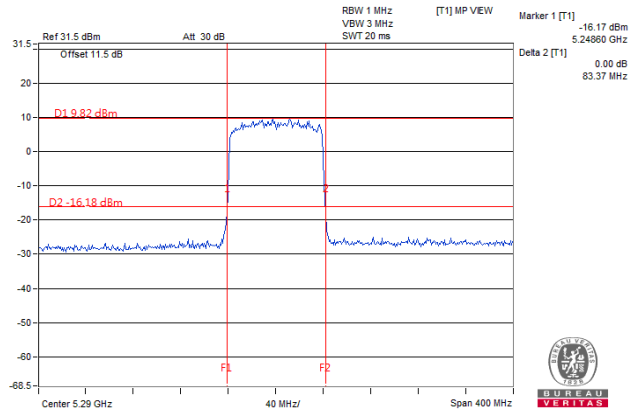
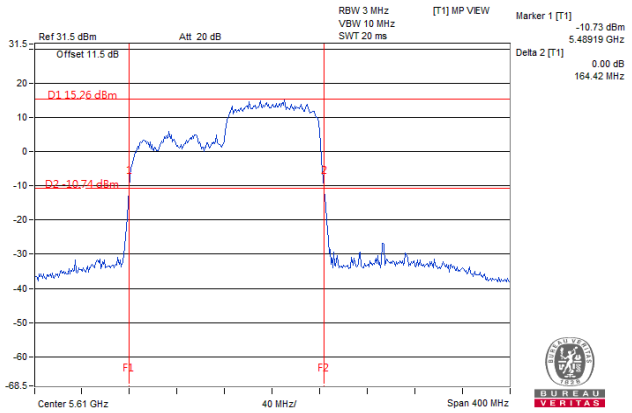
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	42.22	42.27	42.21	42.13
62	5310	42.24	42.38	42.52	41.91
102	5510	42.35	42.23	42.34	41.82
110	5550	41.91	42.44	41.99	41.92
134	5670	42.06	42.34	42.02	41.83
142	5710 For U-NII-2C	36.31	36.02	35.93	36.06

802.11ax (HE80)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	82.83	83.37	82.82	82.46
106	5530	82.61	83.37	82.80	82.49
122	5610	82.72	83.08	83.05	82.31
138	5690 For U-NII-2C	76.27	76.41	76.71	76.26

802.11ax (HE80+80)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	83.40	83.18	-	-
58	5290	-	-	104.12	160.87
106	5530	148.84	152.83	-	-
122	5610	-	-	152.83	164.42

Spectrum Plot of Worst Value	
802.11a / Chain 2 / Ch 64	802.11ax (HE20) / Chain 0 / Ch 100
	
802.11ax (HE40) / Chain 2 / Ch 62	802.11ax (HE80) / Chain 1 / Ch 58
	
802.11ax (HE80+80) / Chain 3 / Ch 122	
	

Test Mode C

802.11a

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	19.13	19.71	19.82	19.39
60	5300	19.32	19.66	19.97	19.55
64	5320	19.46	19.67	20.05	19.37
100	5500	19.26	19.59	19.69	19.55
116	5580	19.39	19.40	19.92	19.65
140	5700	20.00	19.59	19.39	19.50
144	5720 For U-NII-2C	14.65	14.86	14.74	14.95

802.11ax (HE20)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	21.36	21.47	21.39	21.47
60	5300	21.61	21.82	21.58	21.21
64	5320	21.92	21.63	21.64	21.66
100	5500	21.98	21.88	21.67	21.13
116	5580	21.35	21.40	21.10	21.40
140	5700	21.66	21.17	21.35	21.68
144	5720 For U-NII-2C	15.91	15.72	15.75	15.58

802.11ax (HE40)

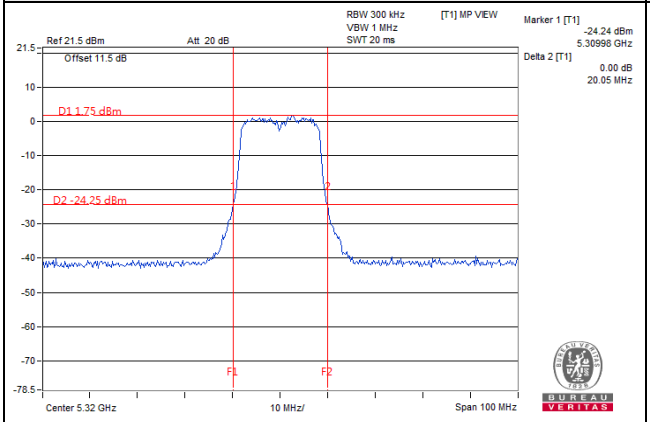
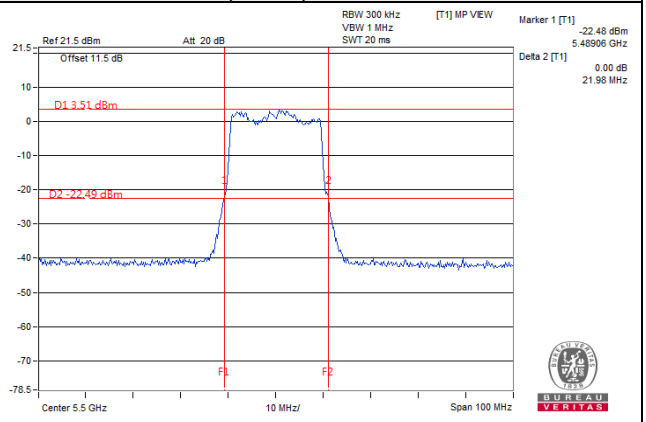
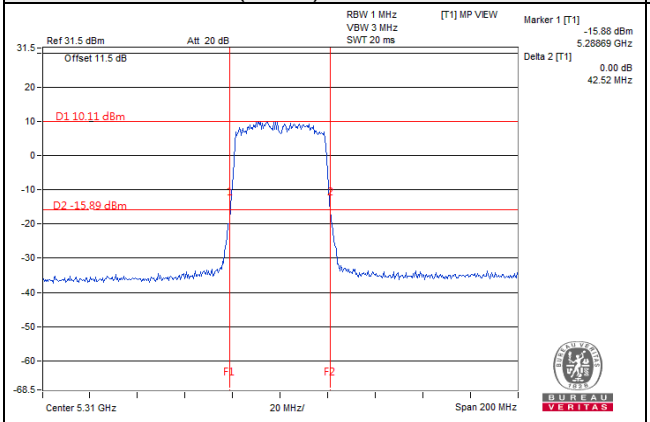
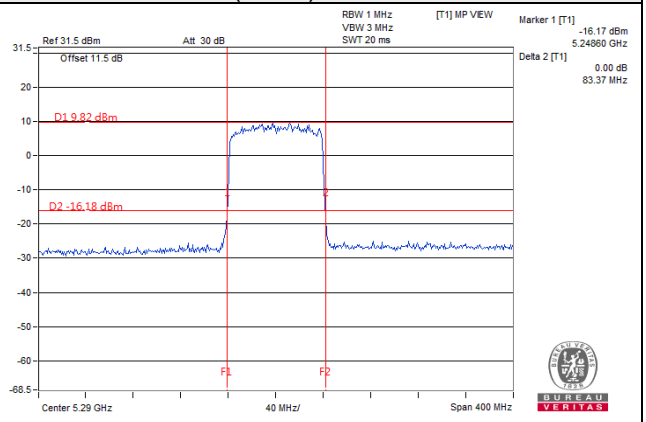
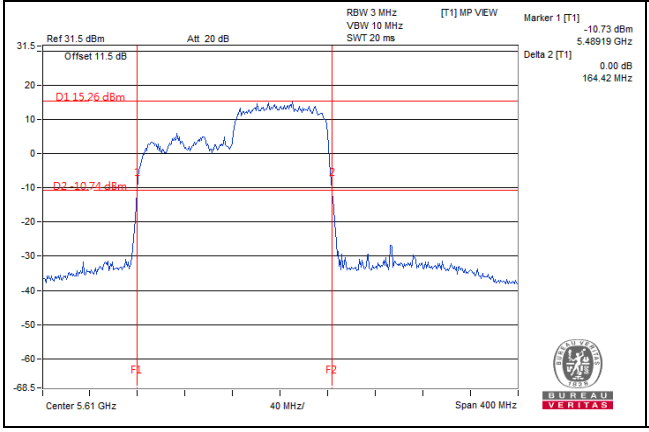
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	42.22	42.27	42.21	42.13
62	5310	42.24	42.38	42.52	41.91
102	5510	42.35	42.23	42.34	41.82
110	5550	41.91	42.44	41.99	41.92
134	5670	42.06	42.34	42.02	41.83
142	5710 For U-NII-2C	36.30	36.09	36.22	36.22

802.11ax (HE80)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	82.83	83.37	82.82	82.46
106	5530	82.61	83.37	82.80	82.49
122	5610	82.72	83.08	83.05	82.31
138	5690 For U-NII-2C	76.90	76.45	76.34	76.49

802.11ax (HE80+80)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	83.40	83.18	-	-
58	5290	-	-	104.12	160.87
106	5530	148.84	152.83	-	-
122	5610	-	-	152.83	164.42

Spectrum Plot of Worst Value	
802.11a / Chain 2 / Ch 64	802.11ax (HE20) / Chain 0 / Ch 100
	
802.11ax (HE40) / Chain 2 / Ch 62	802.11ax (HE80) / Chain 1 / Ch 58
	
802.11ax (HE80+80) / Chain 2 / Ch 122	
	

EUT Maximum Conducted Power

Test Mode A

CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	43.299	16.36
5470~5725	43.501	16.38

802.11ac (VHT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	49.399	16.94
5470~5725	50.309	17.02

802.11ac (VHT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	114.087	20.57
5470~5725	117.089	20.69

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	175.990	22.45
5470~5725	237.633	23.76

802.11ac (VHT80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	19.006	12.79
5470~5725	75.282	18.77

802.11ax (HE20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	49.600	16.95
5470~5725	50.541	17.04

802.11ax (HE40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	114.685	20.60
5470~5725	117.901	20.72

802.11ax (HE80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	179.820	22.55
5470~5725	239.681	23.80

802.11ax (HE80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	19.650	12.93
5470~5725	77.307	18.88

Test Mode A

Beamforming Mode

802.11ac (VHT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	49.399	16.94
5470~5725	50.309	17.02

802.11ac (VHT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	50.550	17.04
5470~5725	54.336	17.35

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	49.443	16.94
5470~5725	60.898	17.85

802.11ac (VHT80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	19.006	12.79
5470~5725	31.980	15.05

802.11ax (HE20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	49.600	16.95
5470~5725	50.541	17.04

802.11ax (HE40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	51.599	17.13
5470~5725	54.997	17.40

802.11ax (HE80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	50.853	17.06
5470~5725	61.975	17.92

802.11ax (HE80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	19.650	12.93
5470~5725	32.837	15.16

Test Mode C

CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	42.175	16.25
5470~5725	42.723	16.31

802.11ac (VHT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	47.661	16.78
5470~5725	48.748	16.88

802.11ac (VHT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	114.107	20.57
5470~5725	117.315	20.69

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	124.195	20.94
5470~5725	197.372	22.95

802.11ac (VHT80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	30.446	14.84
5470~5725	65.484	18.16

802.11ax (HE20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	48.639	16.87
5470~5725	48.983	16.90

802.11ax (HE40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	114.908	20.60
5470~5725	118.128	20.72

802.11ax (HE80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	126.998	21.04
5470~5725	203.565	23.09

802.11ax (HE80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	31.160	14.94
5470~5725	67.402	18.29

Test Mode C

Beamforming Mode

802.11ac (VHT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	47.661	16.78
5470~5725	48.748	16.88

802.11ac (VHT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	57.058	17.56
5470~5725	60.784	17.84

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	56.637	17.53
5470~5725	60.086	17.79

802.11ac (VHT80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	30.446	14.84
5470~5725	30.461	14.84

802.11ax (HE20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	48.639	16.87
5470~5725	48.983	16.90

802.11ax (HE40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	57.458	17.59
5470~5725	61.205	17.87

802.11ax (HE80)

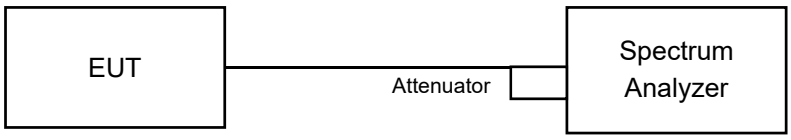
Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	57.916	17.63
5470~5725	61.313	17.88

802.11ax (HE80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	31.160	14.94
5470~5725	31.353	14.96

4.4 Occupied Bandwidth Measurement

4.4.1 Test Setup



4.4.2 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.3 Test Procedure

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

4.4.4 Test Result

Test Mode A

802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	16.32	16.44	16.44	16.44
40	5200	16.56	16.44	16.44	16.44
48	5240	16.32	16.44	16.44	16.32
52	5260	16.32	16.44	16.44	16.44
60	5300	16.32	16.44	16.44	16.44
64	5320	16.44	16.44	16.44	16.56
100	5500	16.32	16.44	16.44	16.44
116	5580	16.44	16.44	16.56	16.44
140	5700	16.56	16.44	16.44	16.44
144	5720 For U-NII-2C	13.16	13.28	13.28	13.28
144	5720 For U-NII-3	3.04	3.16	3.16	3.16
149	5745	16.80	16.69	16.68	16.44
157	5785	16.44	16.68	16.56	16.56
165	5825	16.68	16.92	16.44	16.44

802.11ax (HE20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	18.84	18.96	19.08	18.96
40	5200	19.08	18.96	18.96	19.08
48	5240	18.84	18.96	18.96	18.96
52	5260	18.84	18.96	18.96	18.96
60	5300	18.96	18.96	18.96	18.96
64	5320	18.96	18.96	19.08	19.08
100	5500	19.20	19.08	19.08	18.84
116	5580	18.96	18.96	18.96	18.96
140	5700	19.08	18.84	18.84	19.08
144	5720 For U-NII-2C	14.48	14.60	14.48	14.36
144	5720 For U-NII-3	4.36	4.48	4.48	4.36
149	5745	19.20	19.08	19.08	18.84
157	5785	19.08	19.08	19.08	18.84
165	5825	19.20	19.08	19.20	18.96

802.11ax (HE40)

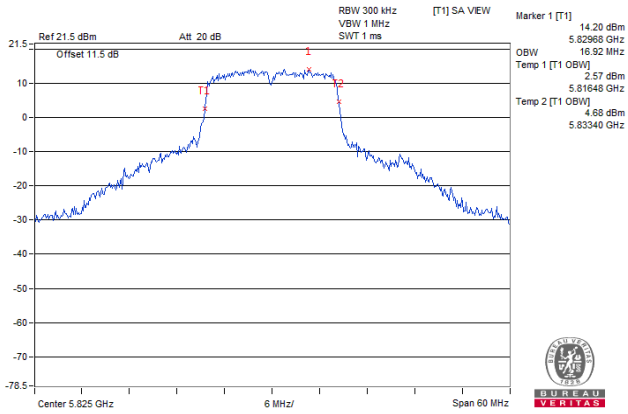
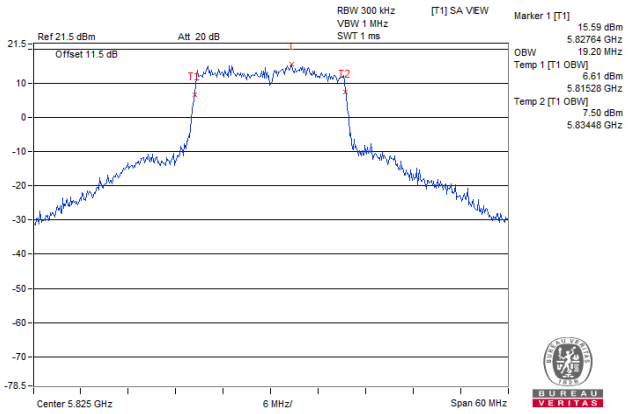
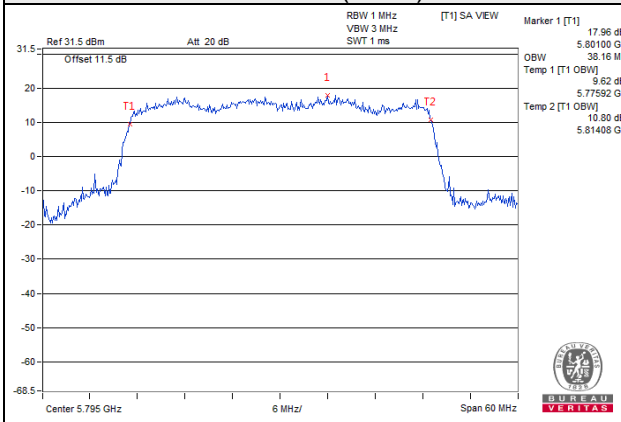
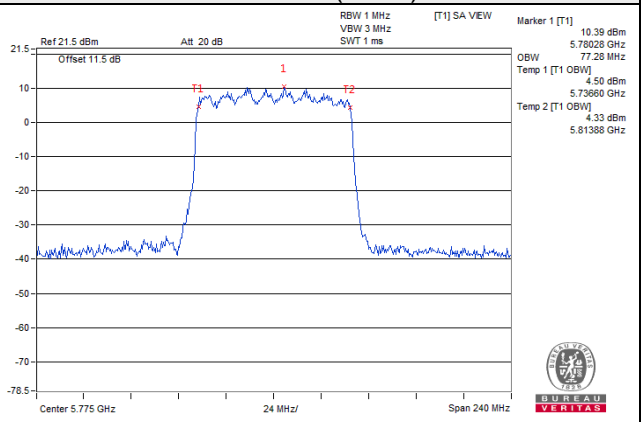
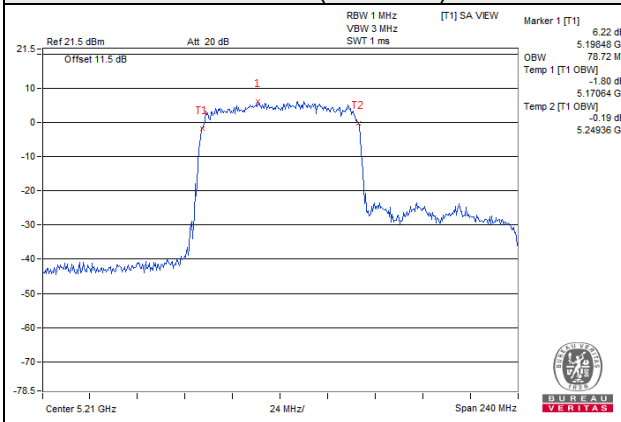
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	37.80	38.04	38.04	37.80
46	5230	37.92	37.92	38.16	37.92
54	5270	38.04	38.04	38.04	37.80
62	5310	37.92	38.04	37.92	37.92
102	5510	38.16	38.04	38.16	37.80
110	5550	37.92	37.92	37.92	37.92
134	5670	37.92	37.92	37.92	37.92
142	5710 For U-NII-2C	34.20	34.44	33.96	34.20
142	5710 For U-NII-3	4.20	4.20	3.96	4.20
151	5755	37.92	37.92	37.92	37.92
159	5795	38.16	38.04	38.04	37.92

802.11ax (HE80)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	77.28	77.28	77.28	77.28
58	5290	77.04	77.04	77.28	77.04
106	5530	77.28	77.28	77.28	76.80
122	5610	77.04	77.04	77.04	76.80
138	5690 For U-NII-2C	73.88	73.40	73.40	73.40
138	5690 For U-NII-3	3.40	3.40	3.40	3.40
155	5775	77.28	76.80	76.80	76.80

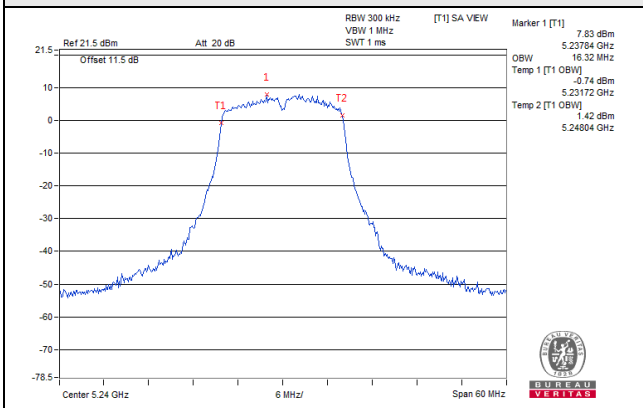
802.11ax (HE80+80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	77.76	78.72	-	-
58	5290	-	-	77.28	77.74
106	5530	78.24	77.76	-	-
122	5610	-	-	77.52	77.91

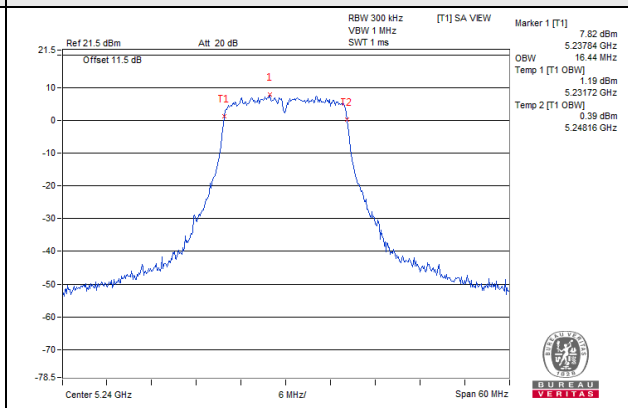
Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	
802.11ax (HE80+80)	
	

Spectrum Plot for near By DFS Band

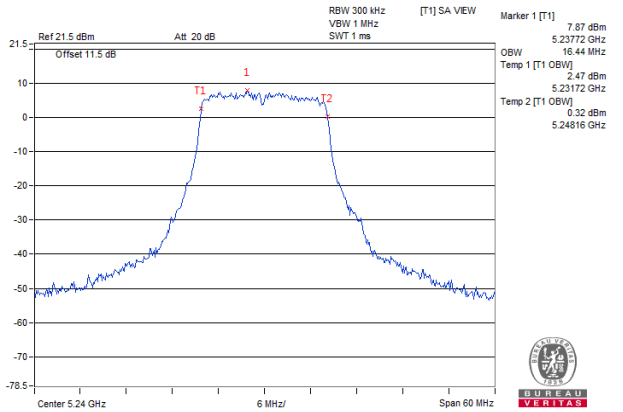
802.11a / Chain 0 / CH 48



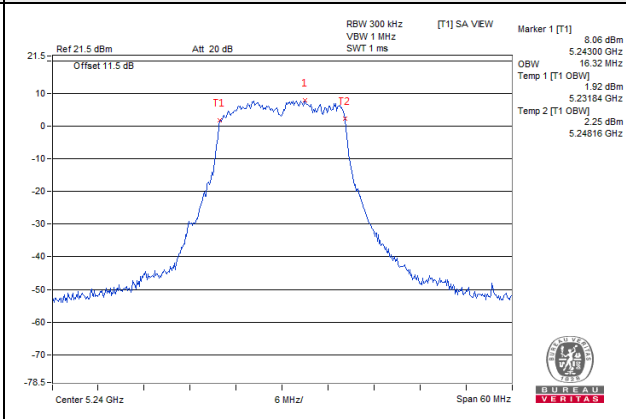
802.11a / Chain 1 / CH 48



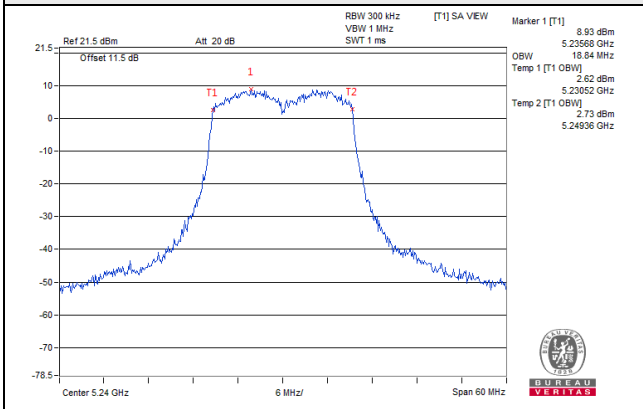
802.11a / Chain 2 / CH 48



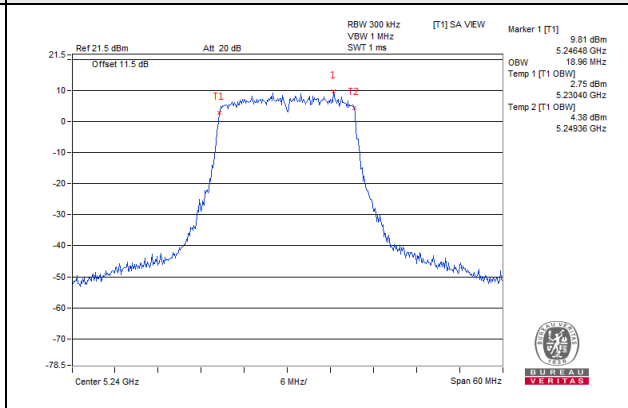
802.11a / Chain 3 / CH 48



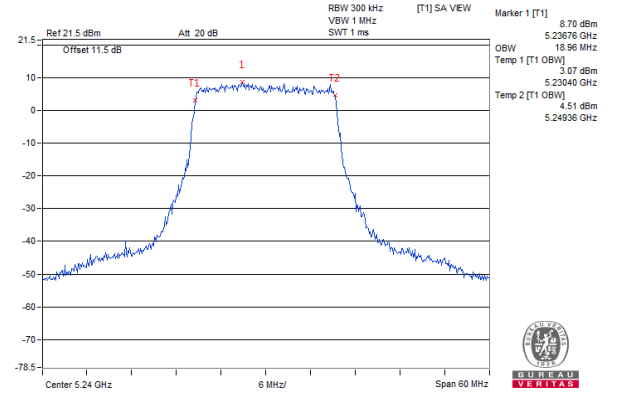
802.11ax (HE20) / Chain 0 / CH 48



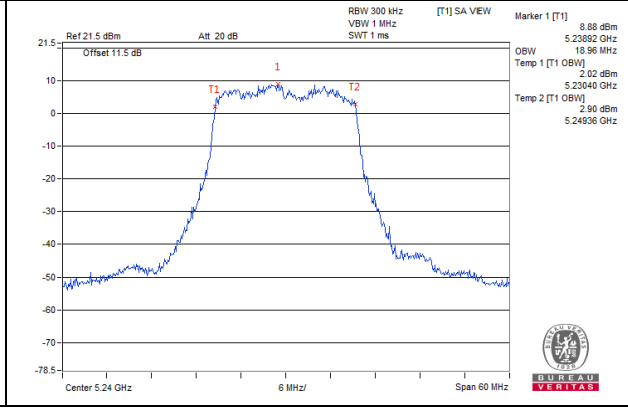
802.11ax (HE20) / Chain 1 / CH 48

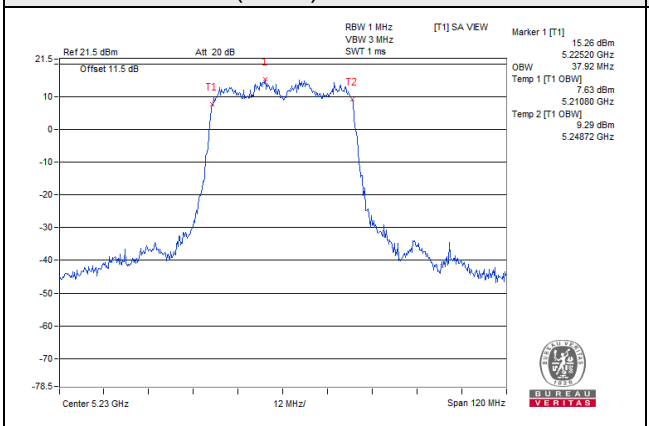
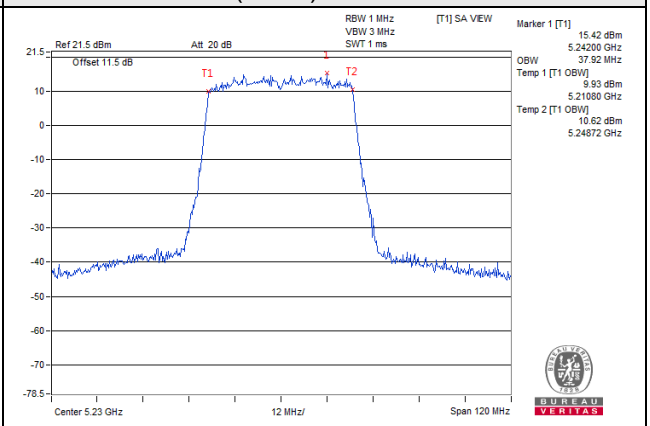
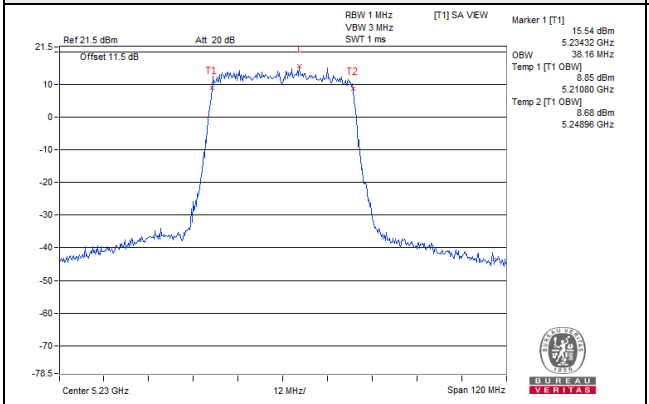
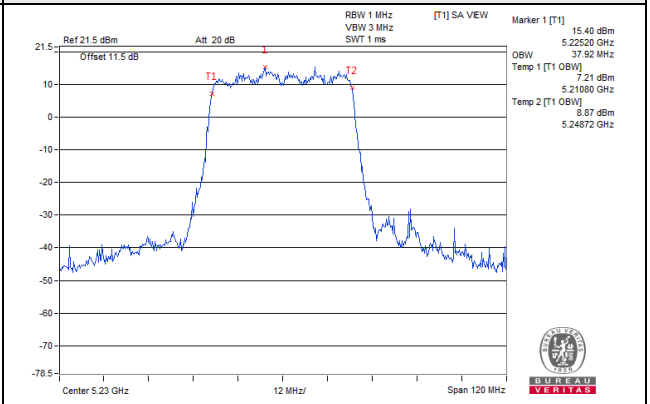
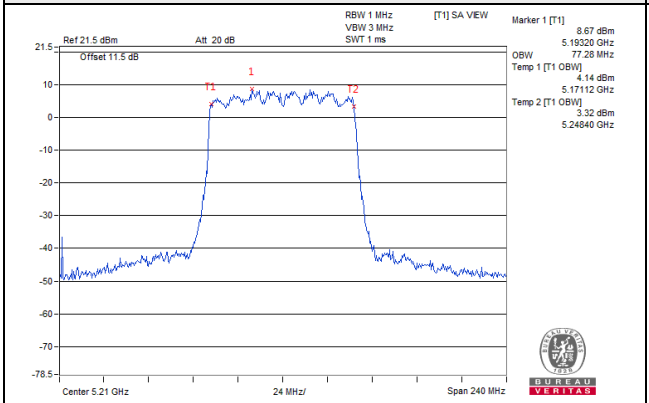
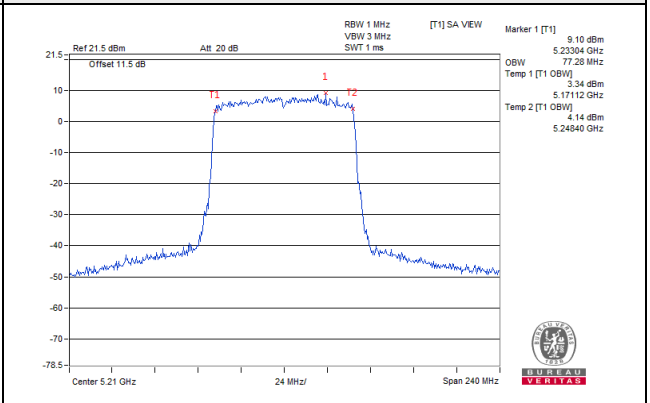
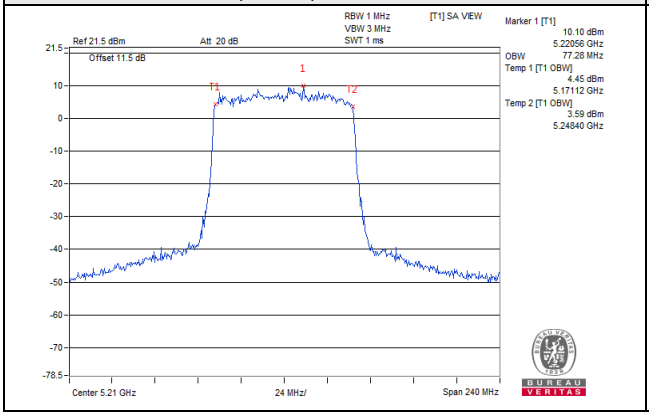
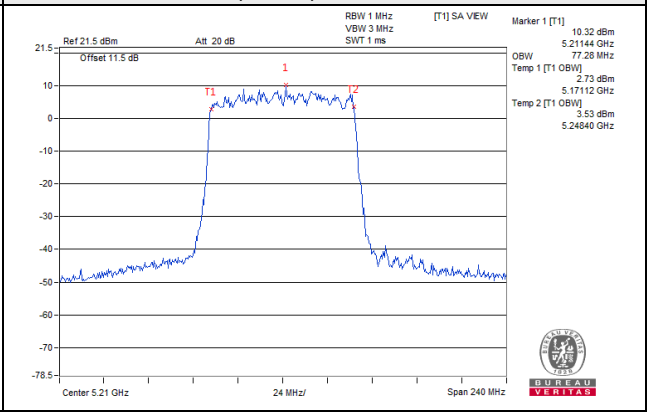


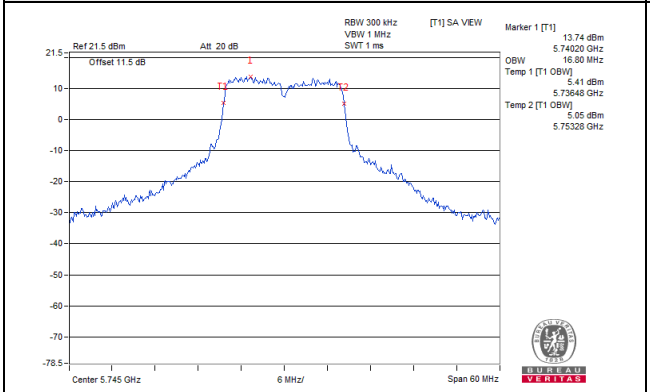
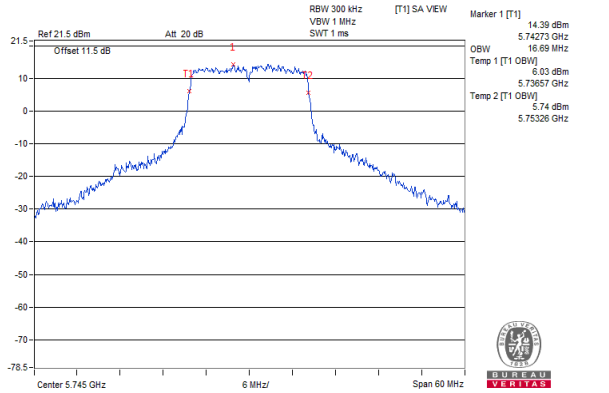
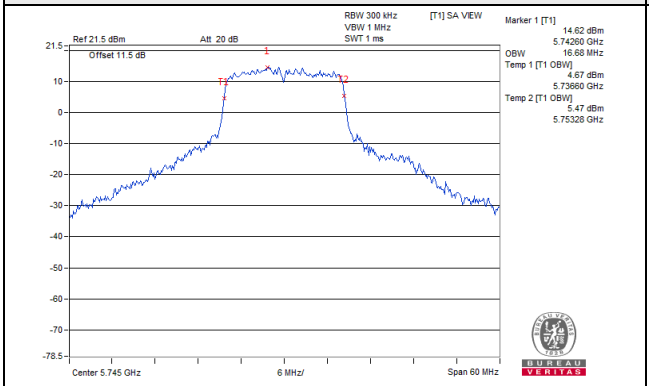
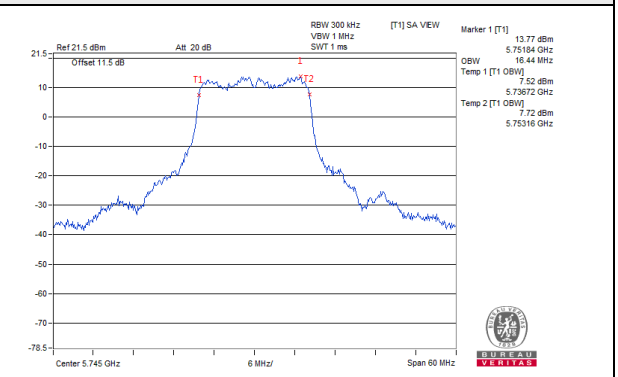
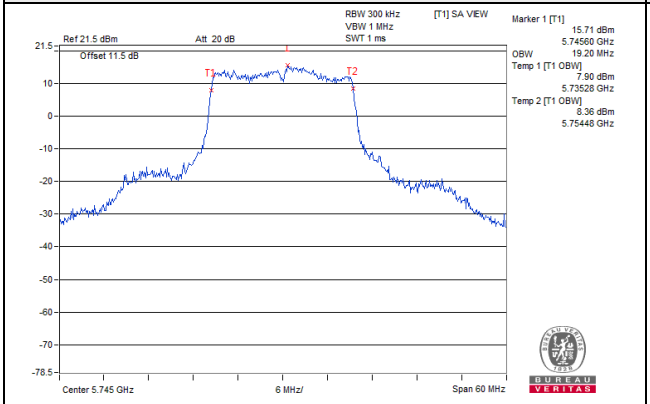
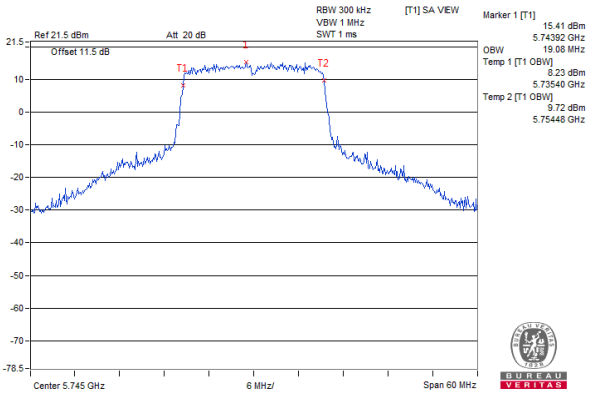
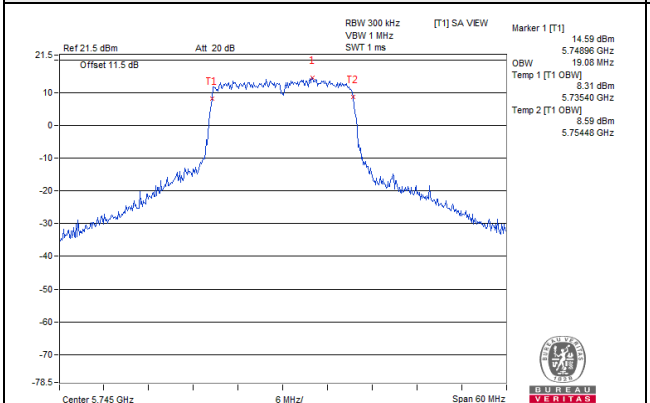
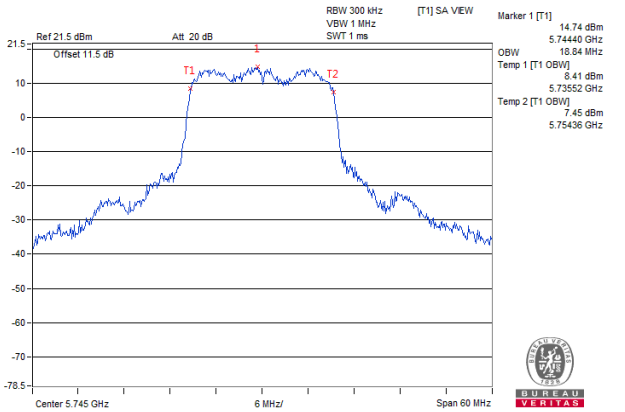
802.11ax (HE20) / Chain 2 / CH 48

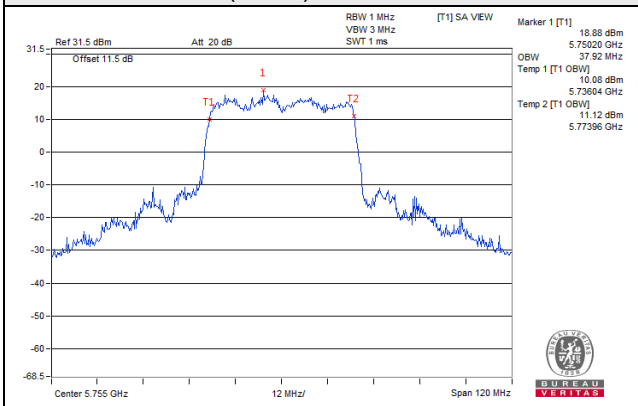
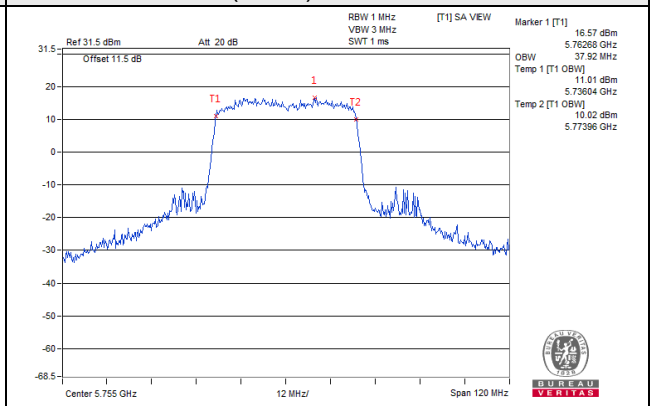
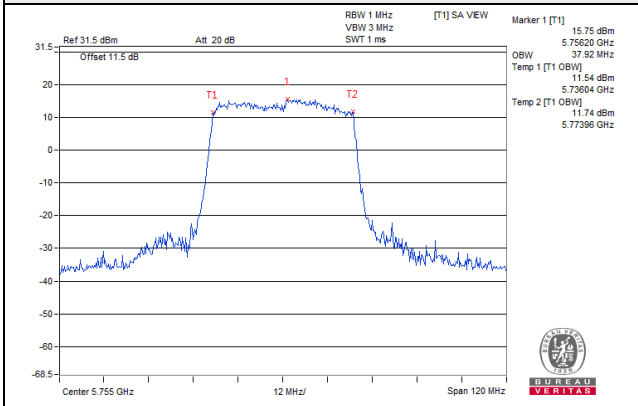
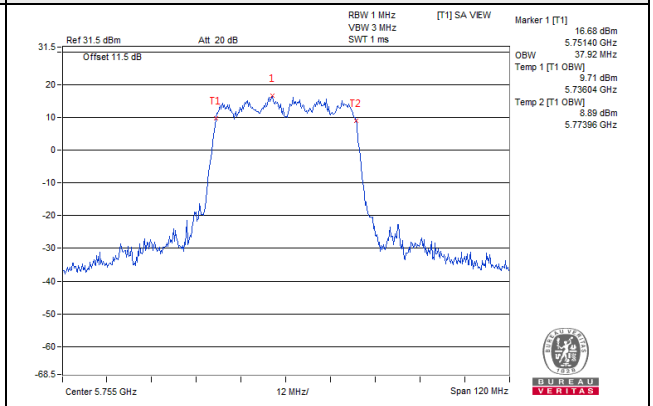
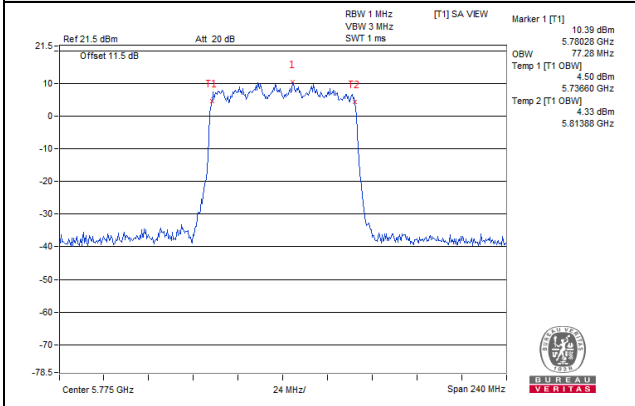
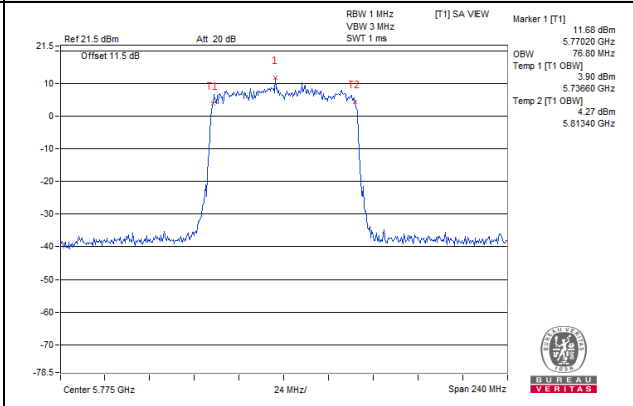
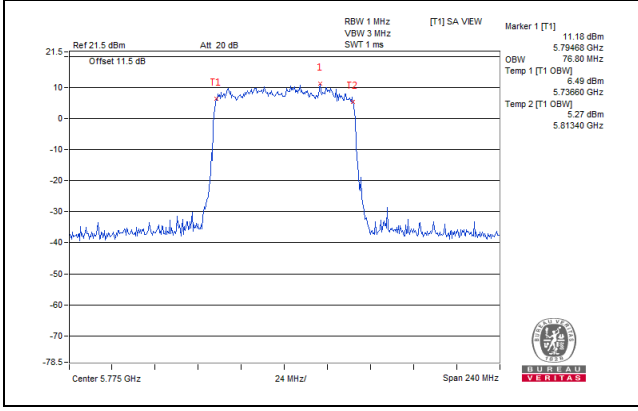
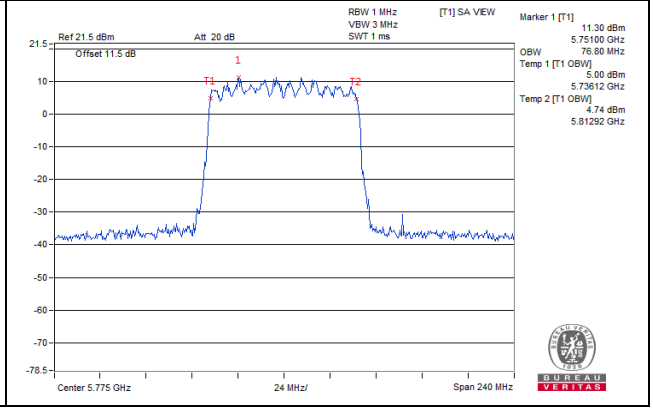


802.11ax (HE20) / Chain 3 / CH 48



Spectrum Plot for near By DFS Band	
802.11ax (HE40) / Chain 0 / CH 46	802.11ax (HE40) / Chain 1 / CH 46
	
802.11ax (HE40) / Chain 2 / CH 46	802.11ax (HE40) / Chain 3 / CH 46
	
802.11ax (HE80) / Chain 0 / CH 42	802.11ax (HE80) / Chain 1 / CH 42
	
802.11ax (HE80) / Chain 2 / CH 42	802.11ax (HE80) / Chain 3 / CH 42
	

Spectrum Plot for near By DFS Band	
802.11a / Chain 0 / CH 149	802.11a / Chain 1 / CH 149
	
802.11a / Chain 2 / CH 149	802.11a / Chain 3 / CH 149
	
802.11ax (HE20) / Chain 0 / CH 149	802.11ax (HE20) / Chain 1 / CH 149
	
802.11ax (HE20) / Chain 2 / CH 149	802.11ax (HE20) / Chain 3 / CH 149
	

Spectrum Plot for near By DFS Band	
802.11ax (HE40) / Chain 0 / CH 151	802.11ax (HE40) / Chain 1 / CH 151
	
802.11ax (HE40) / Chain 2 / CH 151	802.11ax (HE40) / Chain 3 / CH 151
	
802.11ax (HE80) / Chain 0 / CH 155	802.11ax (HE80) / Chain 1 / CH 155
	
802.11ax (HE80) / Chain 2 / CH 155	802.11ax (HE80) / Chain 3 / CH 155
	

Test Mode C

802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	16.68	16.44	16.44	16.44
40	5200	16.56	16.56	16.44	16.44
48	5240	16.56	16.56	16.44	16.44
52	5260	16.32	16.44	16.44	16.44
60	5300	16.32	16.44	16.44	16.44
64	5320	16.44	16.44	16.44	16.56
100	5500	16.32	16.44	16.44	16.44
116	5580	16.44	16.44	16.56	16.44
140	5700	16.56	16.44	16.44	16.44
144	5720 For U-NII-2C	13.28	13.28	13.28	13.28
144	5720 For U-NII-3	2.92	3.16	3.16	3.16
149	5745	16.80	16.69	16.68	16.44
157	5785	16.44	16.68	16.56	16.56
165	5825	16.68	16.92	16.44	16.44

802.11ax (HE20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	18.84	19.08	18.96	18.96
40	5200	19.08	18.84	18.96	18.84
48	5240	18.84	19.08	19.08	18.96
52	5260	18.84	18.96	18.96	18.96
60	5300	18.96	18.96	18.96	18.96
64	5320	18.96	18.96	19.08	19.08
100	5500	19.20	19.08	19.08	18.84
116	5580	18.96	18.96	18.96	18.96
140	5700	19.08	18.84	18.84	19.08
144	5720 For U-NII-2C	14.60	14.60	14.60	14.60
144	5720 For U-NII-3	4.48	4.48	4.48	4.48
149	5745	19.20	19.08	19.08	18.84
157	5785	19.08	19.08	19.08	18.84
165	5825	19.20	19.08	19.20	18.96

802.11ax (HE40)

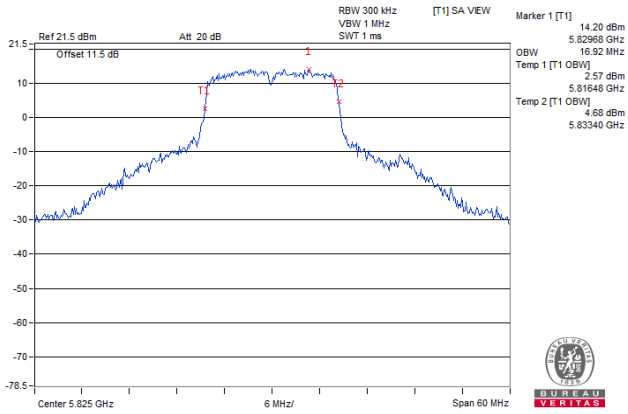
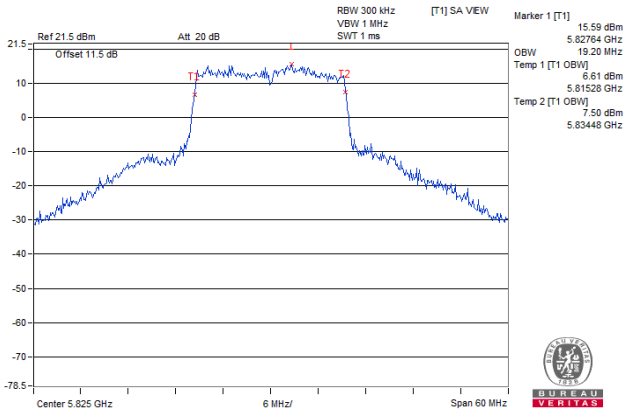
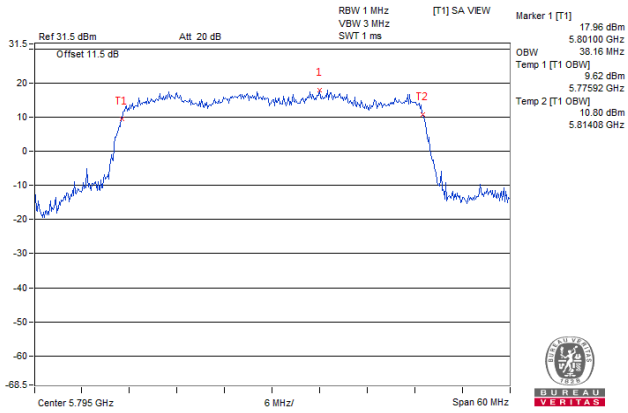
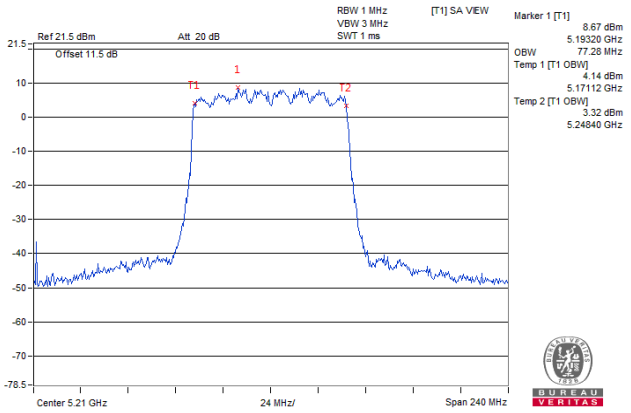
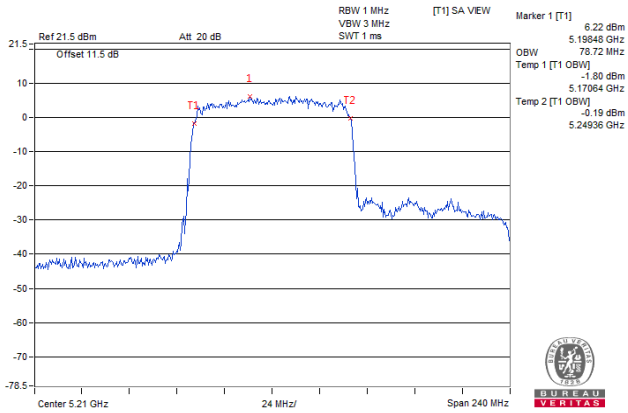
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	38.16	38.04	38.04	37.68
46	5230	37.68	38.16	37.92	37.92
54	5270	38.04	38.04	38.04	37.80
62	5310	37.92	38.04	37.92	37.92
102	5510	38.16	38.04	38.16	37.80
110	5550	37.92	37.92	37.92	37.92
134	5670	37.92	37.92	37.92	37.92
142	5710 For U-NII-2C	34.20	34.20	34.20	34.20
142	5710 For U-NII-3	3.72	3.72	3.72	3.72
151	5755	37.92	37.92	37.92	37.92
159	5795	38.16	38.04	38.04	37.92

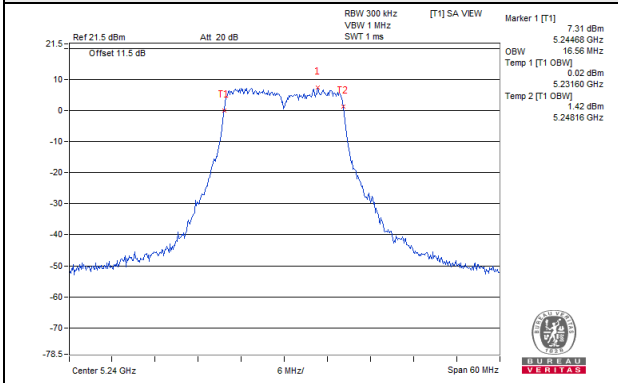
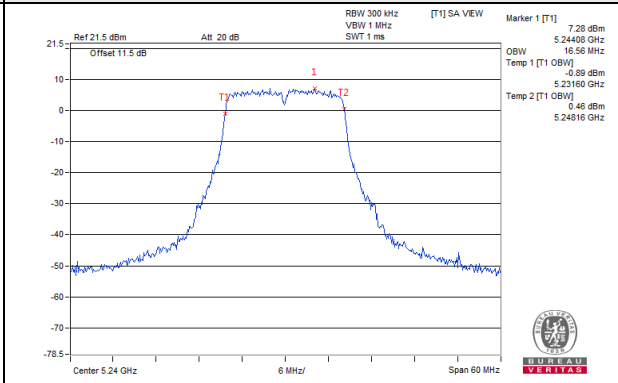
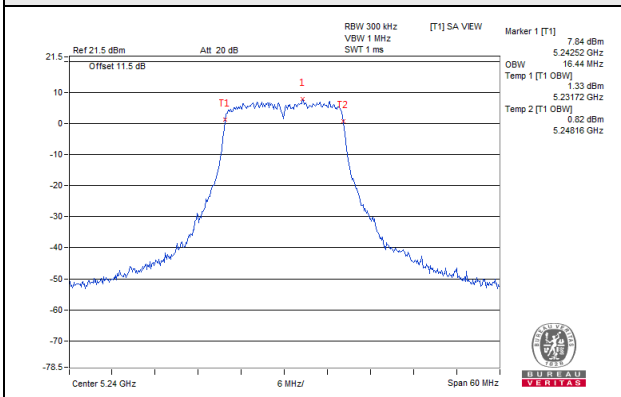
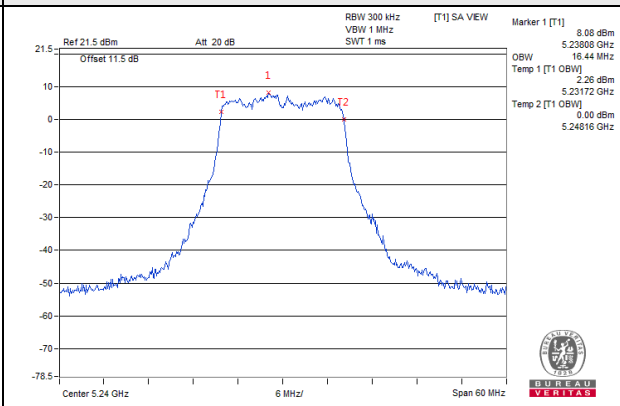
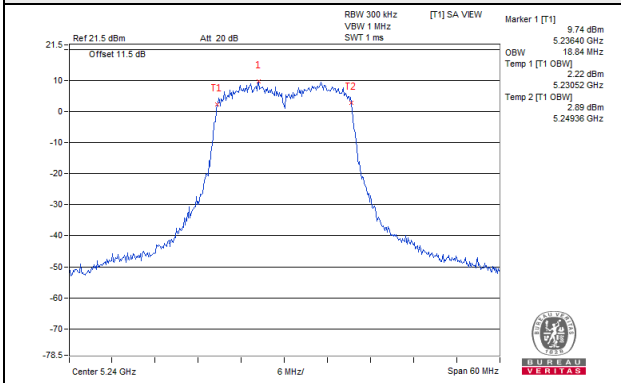
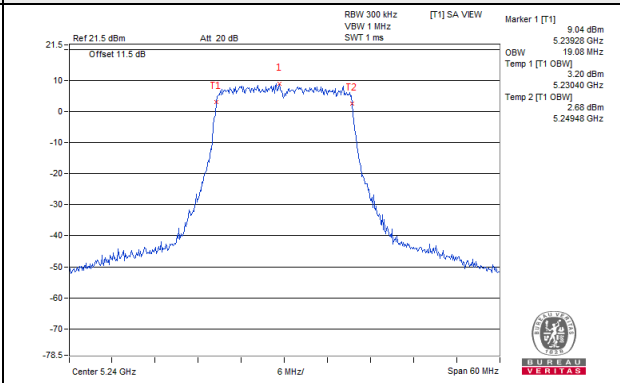
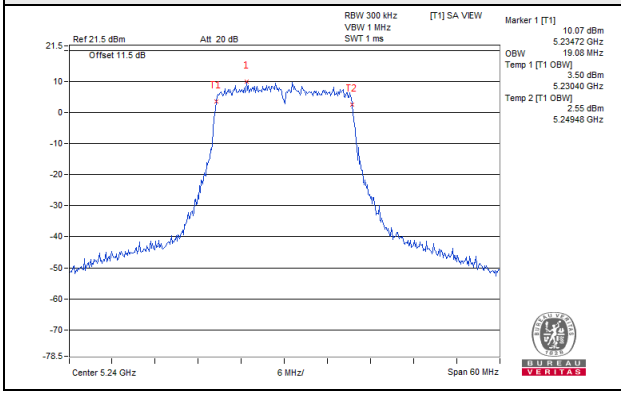
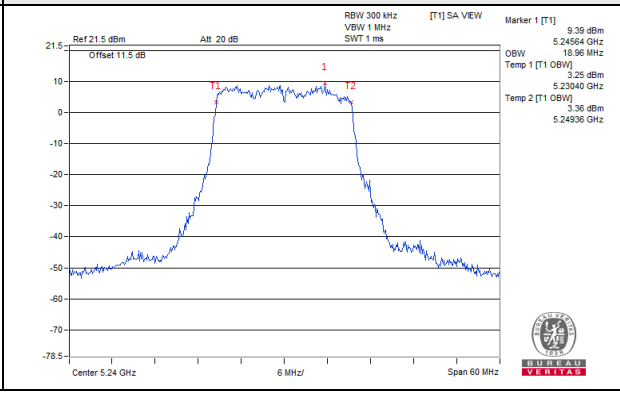
802.11ax (HE80)

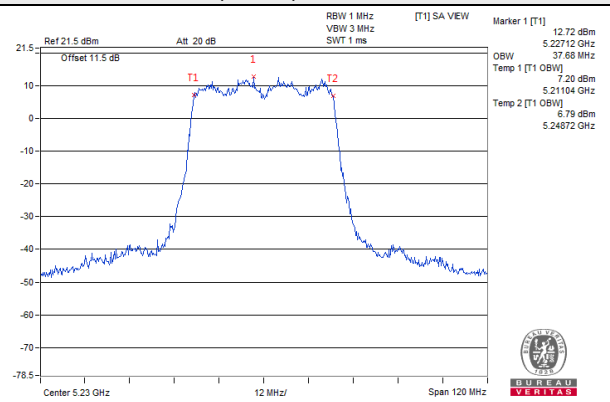
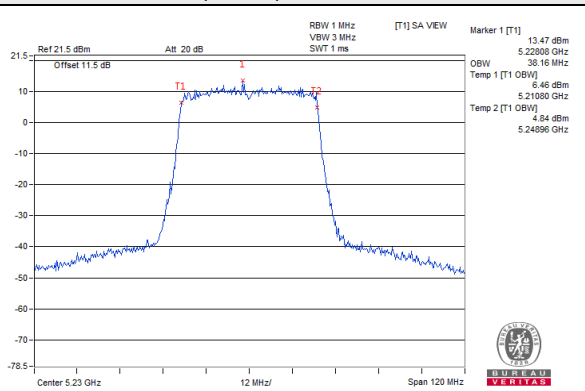
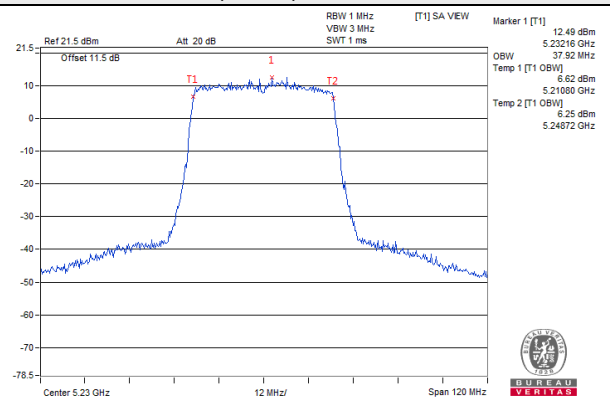
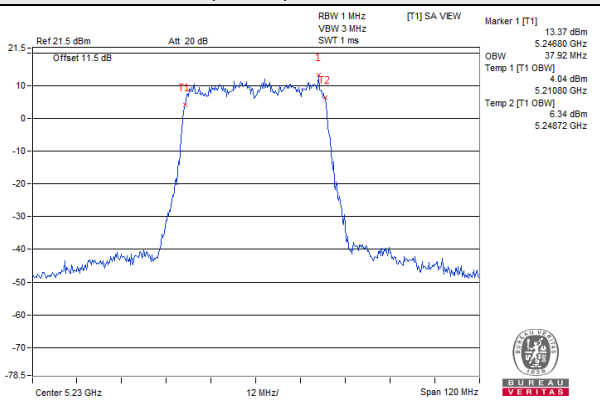
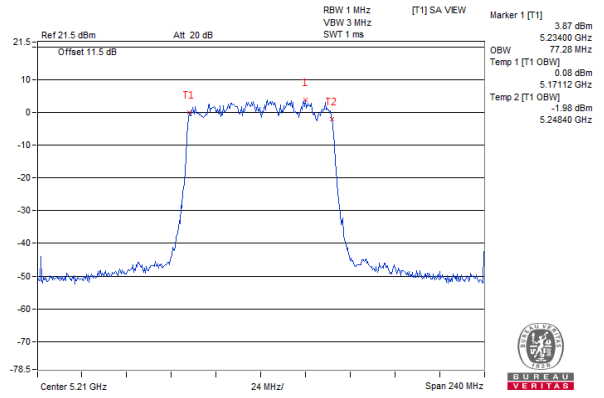
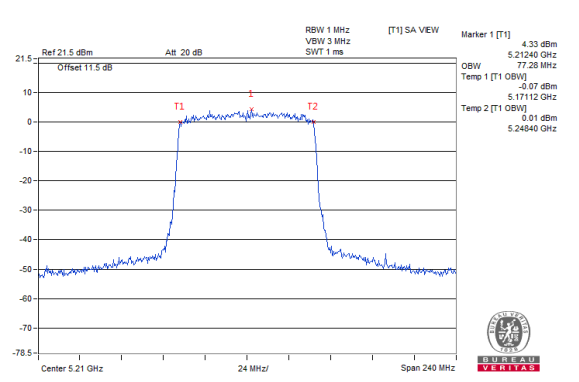
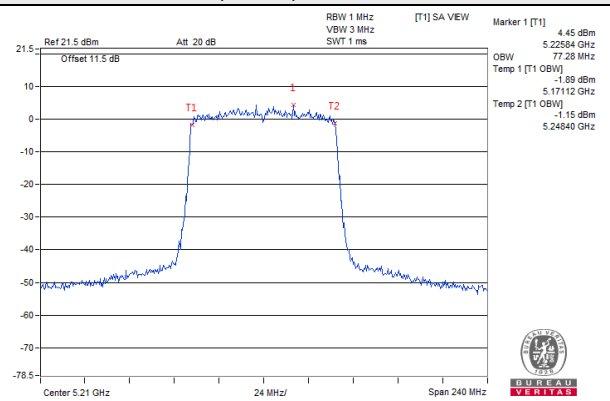
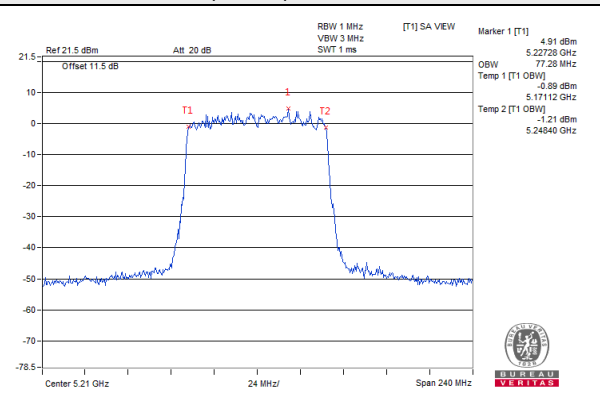
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	77.28	77.28	77.28	77.28
58	5290	77.04	77.04	77.28	77.04
106	5530	77.28	77.28	77.28	76.80
122	5610	77.04	77.04	77.04	76.80
138	5690 For U-NII-2C	73.88	73.88	73.88	73.88
138	5690 For U-NII-3	2.92	3.40	2.92	2.92
155	5775	77.28	76.80	76.80	76.80

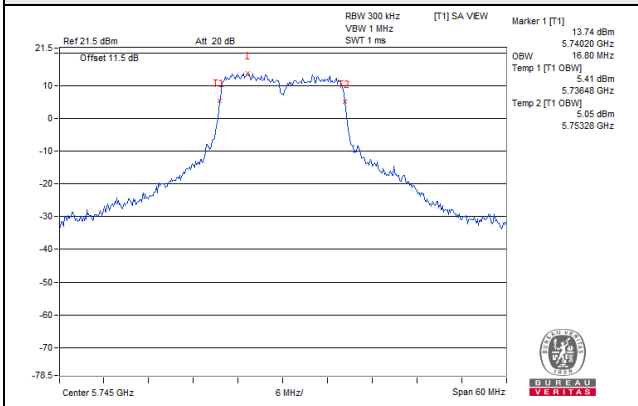
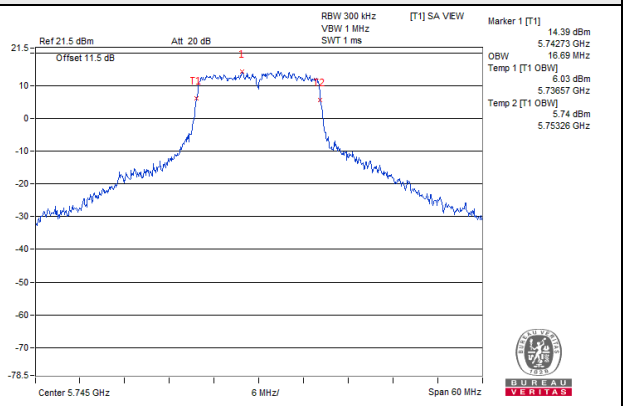
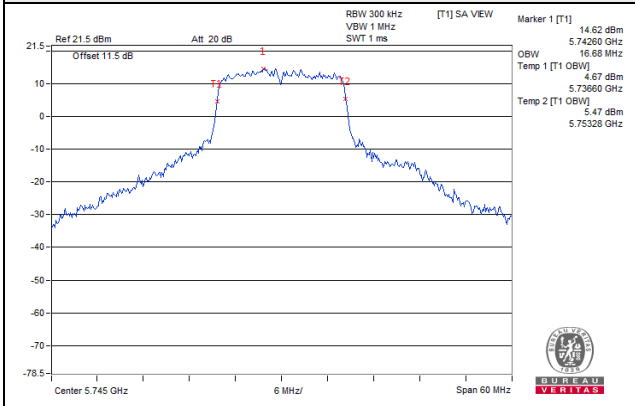
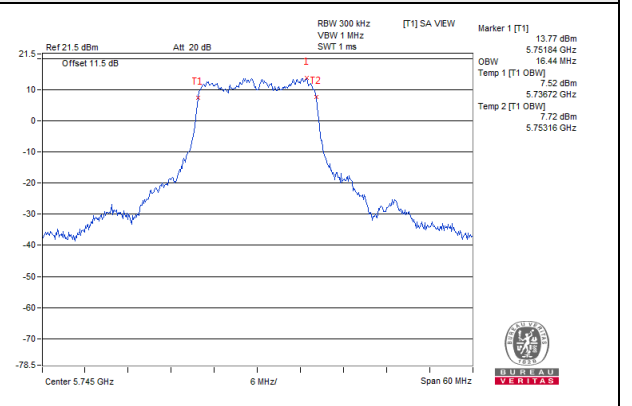
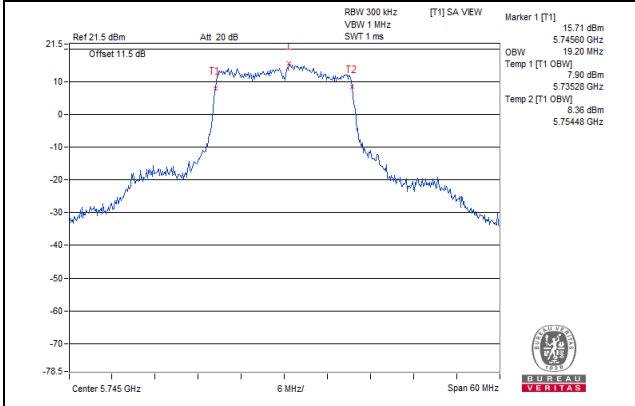
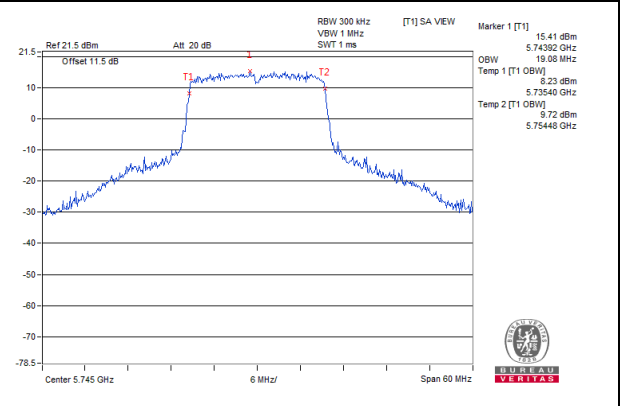
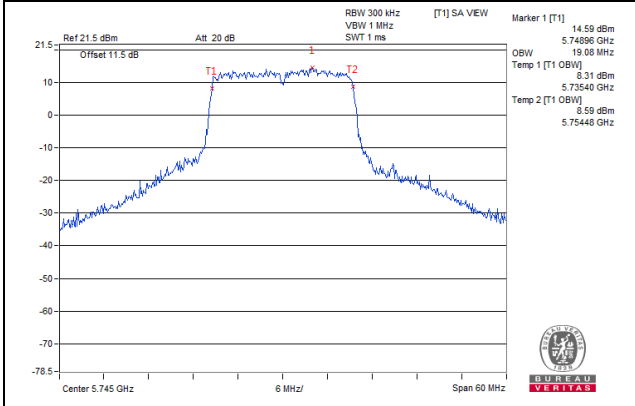
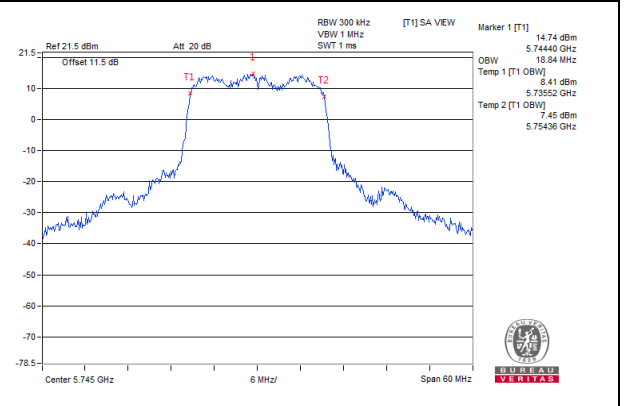
802.11ax (HE80+80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	77.76	78.72	-	-
58	5290	-	-	77.28	77.74
106	5530	78.24	77.76	-	-
122	5610	-	-	77.52	77.91

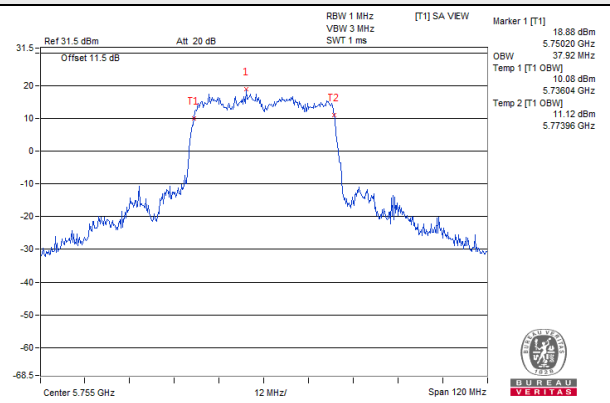
Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	
802.11ax (HE80+80)	
	

Spectrum Plot for near By DFS Band	
802.11a / Chain 0 / CH 48	802.11a / Chain 1 / CH 48
	
802.11a / Chain 2 / CH 48	802.11a / Chain 3 / CH 48
	
802.11ax (HE20) / Chain 0 / CH 48	802.11ax (HE20) / Chain 1 / CH 48
	
802.11ax (HE20) / Chain 2 / CH 48	802.11ax (HE20) / Chain 3 / CH 48
	

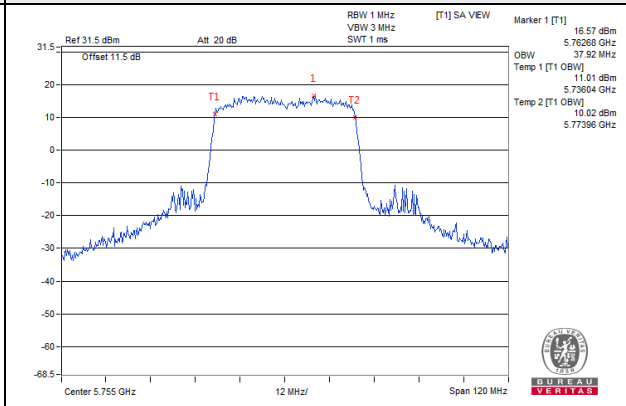
Spectrum Plot for near By DFS Band	
802.11ax (HE40) / Chain 0 / CH 46	802.11ax (HE40) / Chain 1 / CH 46
	
802.11ax (HE40) / Chain 2 / CH 46	802.11ax (HE40) / Chain 3 / CH 46
	
802.11ax (HE80) / Chain 0 / CH 42	802.11ax (HE80) / Chain 1 / CH 42
	
802.11ax (HE80) / Chain 2 / CH 42	802.11ax (HE80) / Chain 3 / CH 42
	

Spectrum Plot for near By DFS Band	
802.11a / Chain 0 / CH 149	802.11a / Chain 1 / CH 149
	
802.11a / Chain 2 / CH 149	802.11a / Chain 3 / CH 149
	
802.11ax (HE20) / Chain 0 / CH 149	802.11ax (HE20) / Chain 1 / CH 149
	
802.11ax (HE20) / Chain 2 / CH 149	802.11ax (HE20) / Chain 3 / CH 149
	
Spectrum Plot for near By DFS Band	

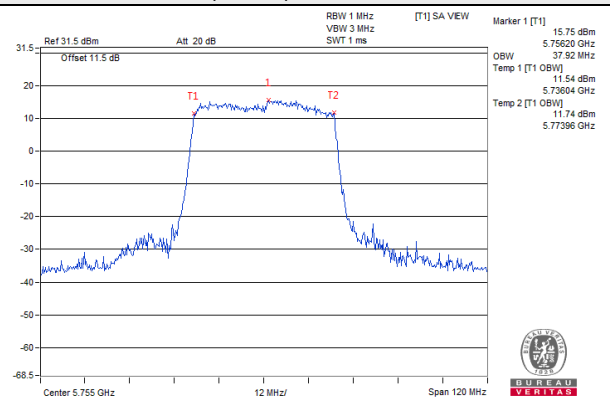
802.11ax (HE40) / Chain 0 / CH 151



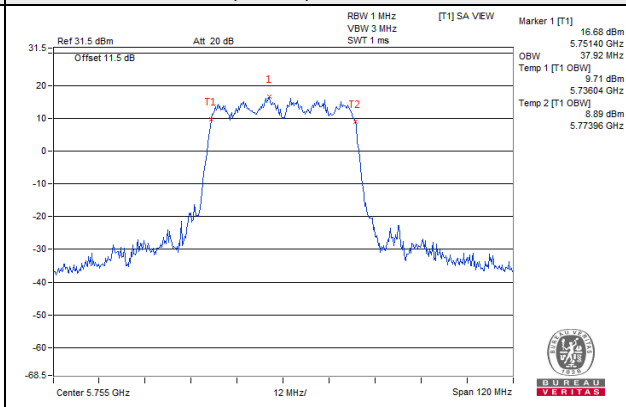
802.11ax (HE40) / Chain 1 / CH 151



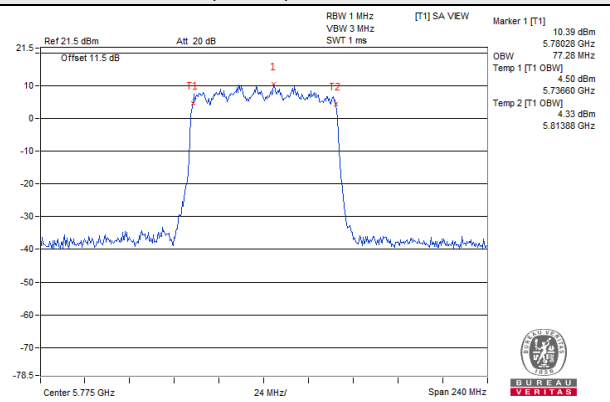
802.11ax (HE40) / Chain 2 / CH 151



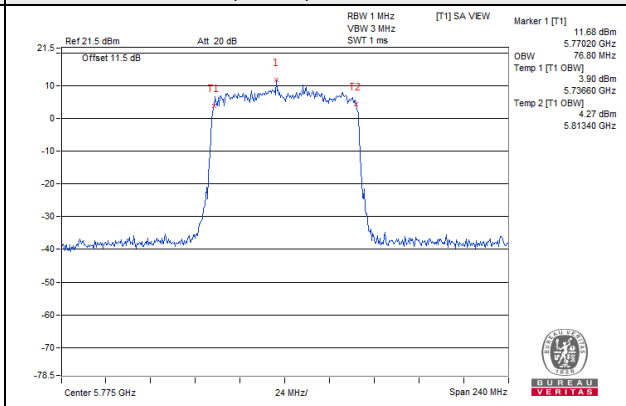
802.11ax (HE40) / Chain 3 / CH 151



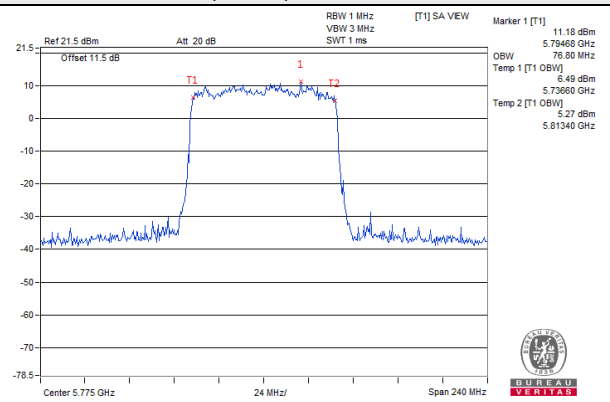
802.11ax (HE80) / Chain 0 / CH 155



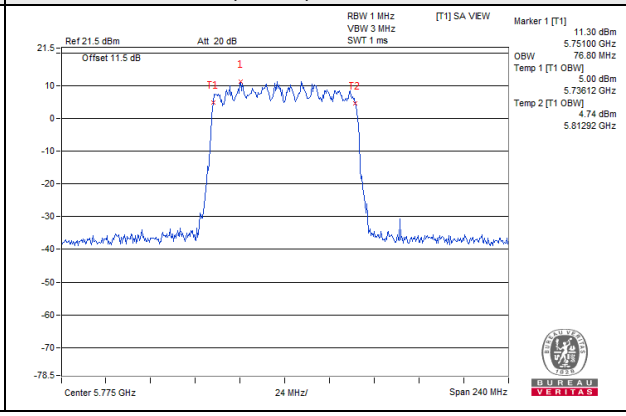
802.11ax (HE80) / Chain 1 / CH 155



802.11ax (HE80) / Chain 2 / CH 155



802.11ax (HE80) / Chain 3 / CH 155

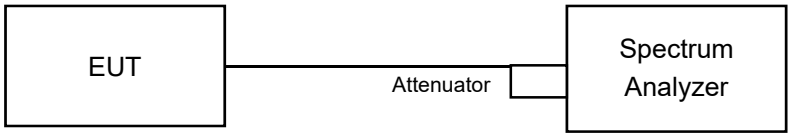


4.5 Peak Power Spectral Density Measurement

4.5.1 Limits of Peak Power Spectral Density Measurement

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

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedures

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

Using method SA-2

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.

b. Set RBW = 1MHz, Set VBW ≥ 3 MHz, Detector = RMS

c. Set Channel power measure = 1MHz

d. Sweep time = auto, trigger set to “free run”.

e. Trace average at least 100 traces in power averaging mode.

f. Record the max value and add 10 log (1/duty cycle)

For U-NII-3 band:

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.

b. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS

c. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.

d. Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log(500 kHz / 300 kHz)

e. Sweep time = auto, trigger set to “free run”.

f. Trace average at least 100 traces in power averaging mode.

g. Record the max value and add 10 log (1/duty cycle)

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Conditions

Same as 4.3.6.

4.5.7 Test Results

Test Mode A

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

802.11a

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	4.79	4.38	4.26	4.42	0.32	10.81	10.98	Pass
40	5200	4.33	4.40	3.99	4.75	0.32	10.72	10.98	Pass
48	5240	4.55	4.40	4.51	4.43	0.32	10.81	10.98	Pass
52	5260	-3.76	-4.41	-5.02	-2.27	0.32	2.60	4.98	Pass
60	5300	-3.81	-4.18	-4.91	-1.57	0.32	2.91	4.98	Pass
64	5320	-3.50	-4.37	-4.25	-1.60	0.32	3.06	4.98	Pass
100	5500	-3.85	-3.94	-4.39	-3.18	0.32	2.52	4.98	Pass
116	5580	-4.30	-4.54	-3.99	-2.88	0.32	2.46	4.98	Pass
140	5700	-4.20	-3.88	-3.54	-3.13	0.32	2.67	4.98	Pass
144	5720 For U-NII-2C	-5.31	-3.73	-3.59	-2.81	0.32	2.57	4.98	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
   For U-NII-1, the directional gain is 12.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(12.02-6) = 10.98 dBm/MHz.
   For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
   For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	4.08	5.16	3.33	4.42	0.25	10.57	10.98	Pass
40	5200	5.39	4.38	2.54	5.04	0.25	10.74	10.98	Pass
48	5240	6.24	3.01	3.45	3.83	0.25	10.60	10.98	Pass
52	5260	-3.86	-3.39	-5.70	-3.47	0.25	2.26	4.98	Pass
60	5300	-3.38	-5.23	-4.08	-2.81	0.25	2.49	4.98	Pass
64	5320	-3.40	-4.97	-4.04	-1.93	0.25	2.83	4.98	Pass
100	5500	-4.52	-4.60	-4.86	-2.39	0.25	2.30	4.98	Pass
116	5580	-4.19	-4.33	-4.89	-2.39	0.25	2.43	4.98	Pass
140	5700	-4.13	-4.42	-3.74	-3.01	0.25	2.48	4.98	Pass
144	5720 For U-NII-2C	-4.11	-3.86	-4.91	-4.01	0.25	2.07	4.98	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
   For U-NII-1, the directional gain is 12.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(12.02-6) = 10.98 dBm/MHz.
   For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
   For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	-0.59	-0.55	0.44	0.58	0.33	6.35	10.98	Pass
46	5230	4.17	4.12	3.67	5.48	0.33	10.77	10.98	Pass
54	5270	-2.67	-1.96	-3.48	-3.74	0.33	3.45	4.98	Pass
62	5310	-2.50	-3.30	-4.86	-1.92	0.33	3.34	4.98	Pass
102	5510	-1.83	-2.57	-2.08	-3.58	0.33	3.89	4.98	Pass
110	5550	-2.08	-3.14	-4.47	-1.85	0.33	3.58	4.98	Pass
134	5670	-2.21	-2.38	-4.20	-2.69	0.33	3.55	4.98	Pass
142	5710 For U-NII-2C	-2.19	-2.66	-1.95	-3.87	0.33	3.74	4.98	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
   For U-NII-1, the directional gain is 12.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(12.02-6) = 10.98 dBm/MHz.
   For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
   For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE80)

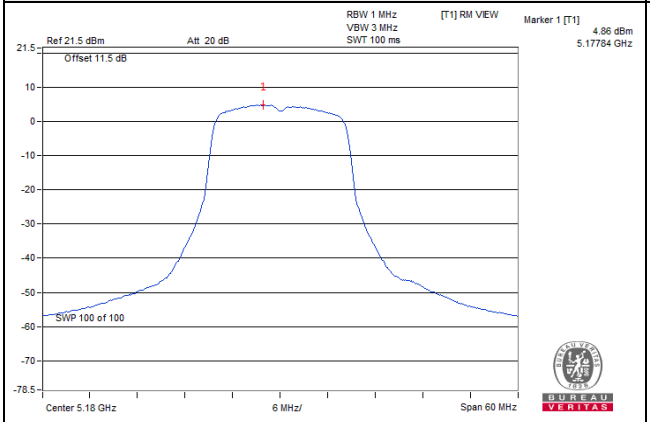
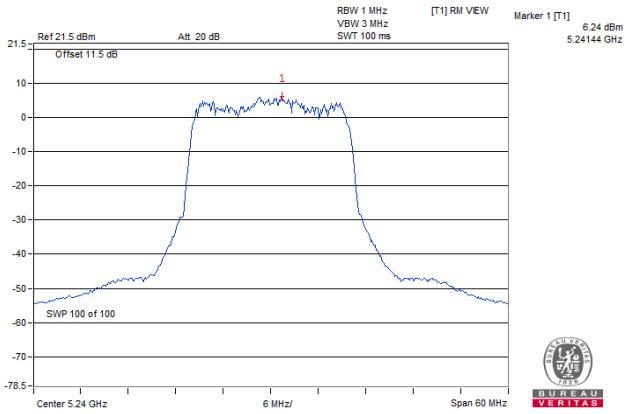
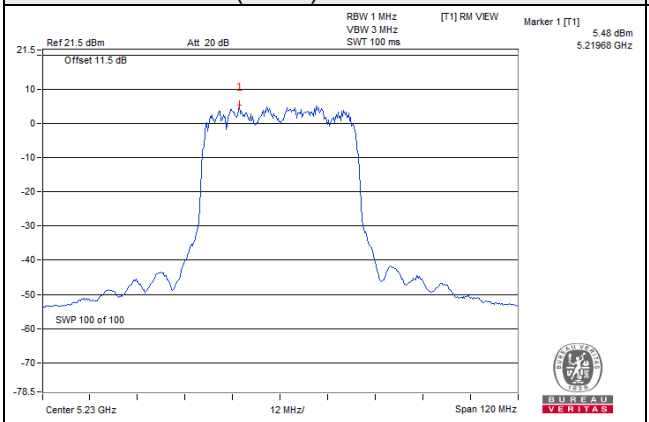
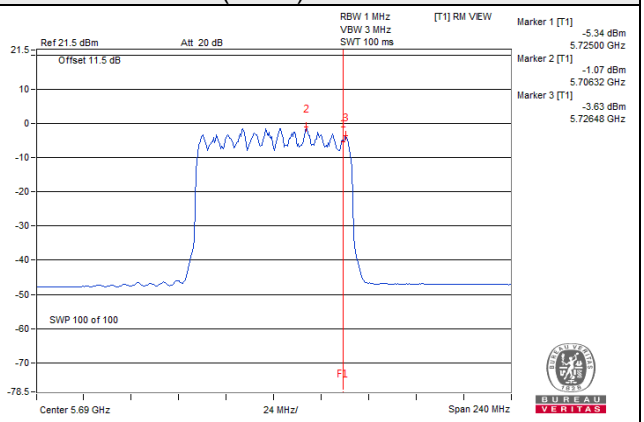
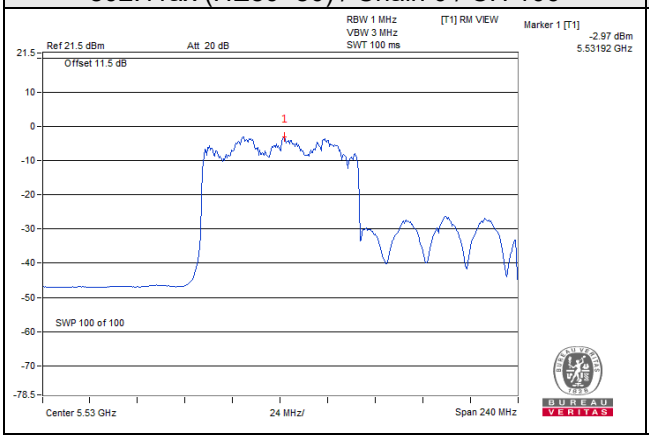
Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	-3.44	-3.44	-2.98	-3.08	0.85	3.64	10.98	Pass
58	5290	-3.62	-3.13	-5.77	-2.19	0.85	3.38	4.98	Pass
106	5530	-4.99	-4.35	-5.69	-3.84	0.85	2.21	4.98	Pass
122	5610	-3.20	-4.35	-4.03	-1.67	0.85	3.69	4.98	Pass
138	5690 For U-NII-2C	-2.97	-3.89	-3.01	-1.54	0.85	4.10	4.98	Pass

Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
   For U-NII-1, the directional gain is 12.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(12.02-6) = 10.98 dBm/MHz.
   For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
   For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE80+80)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	-8.49	-9.58	-	-	0.76	-5.23	10.98	Pass
58	5290	-	-	-10.17	-10.57	0.76	-6.60	4.98	Pass
106	5530	-3.19	-3.65	-	-	0.76	0.36	4.98	Pass
122	5610	-	-	-3.76	-3.96	0.76	-0.09	4.98	Pass

Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
   For U-NII-1, the directional gain is 12.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(12.02-6) = 10.98 dBm/MHz.
   For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
   For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value	
802.11a / Chain 0 / CH 36	802.11ax (HE20) / Chain 0 / CH 48
	
802.11ax (HE40) / Chain 3 / CH 46	802.11ax (HE80) / Chain 3 / CH 138
	
802.11ax (HE80+80) / Chain 0 / CH 106	
	

For U-NII-3 band:

802.11a

TX chain	Chan.	Freq. (MHz)	PSD w/o Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD with Duty Factor (dBm/500kHz)	Limit (dBm/500 kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	144	5720 For U-NII-3	-12.11	-9.89	6.02	0.32	-3.55	23.98	Pass
	149	5745	1.29	3.51	6.02	0.32	9.85	23.98	Pass
	157	5785	1.31	3.53	6.02	0.32	9.87	23.98	Pass
	165	5825	0.99	3.21	6.02	0.32	9.55	23.98	Pass
1	144	5720 For U-NII-3	-12.78	-10.56	6.02	0.32	-4.22	23.98	Pass
	149	5745	1.47	3.69	6.02	0.32	10.03	23.98	Pass
	157	5785	1.43	3.65	6.02	0.32	9.99	23.98	Pass
	165	5825	1.32	3.54	6.02	0.32	9.88	23.98	Pass
2	144	5720 For U-NII-3	-12.89	-10.67	6.02	0.32	-4.33	23.98	Pass
	149	5745	1.67	3.89	6.02	0.32	10.23	23.98	Pass
	157	5785	1.42	3.64	6.02	0.32	9.98	23.98	Pass
	165	5825	0.89	3.11	6.02	0.32	9.45	23.98	Pass
3	144	5720 For U-NII-3	-13.32	-11.1	6.02	0.32	-4.76	23.98	Pass
	149	5745	1.23	3.45	6.02	0.32	9.79	23.98	Pass
	157	5785	1.46	3.68	6.02	0.32	10.02	23.98	Pass
	165	5825	1.67	3.89	6.02	0.32	10.23	23.98	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 30-(12.02-6) = 23.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE20)

TX chain	Chan.	Freq. (MHz)	PSD w/o Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD with Duty Factor (dBm/500kHz)	Limit (dBm/500 kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	144	5720 For U-NII-3	-12.64	-10.42	6.02	0.25	-4.15	23.98	Pass
	149	5745	0.88	3.10	6.02	0.25	9.37	23.98	Pass
	157	5785	-0.08	2.14	6.02	0.25	8.41	23.98	Pass
	165	5825	0.44	2.66	6.02	0.25	8.93	23.98	Pass
1	144	5720 For U-NII-3	-13.40	-11.18	6.02	0.25	-4.91	23.98	Pass
	149	5745	-0.39	1.83	6.02	0.25	8.10	23.98	Pass
	157	5785	-0.23	1.99	6.02	0.25	8.26	23.98	Pass
	165	5825	-0.06	2.16	6.02	0.25	8.43	23.98	Pass
2	144	5720 For U-NII-3	-14.45	-12.23	6.02	0.25	-5.96	23.98	Pass
	149	5745	-0.60	1.62	6.02	0.25	7.89	23.98	Pass
	157	5785	-0.16	2.06	6.02	0.25	8.33	23.98	Pass
	165	5825	-0.49	1.73	6.02	0.25	8.00	23.98	Pass
3	144	5720 For U-NII-3	-12.08	-9.86	6.02	0.25	-3.59	23.98	Pass
	149	5745	-0.25	1.97	6.02	0.25	8.24	23.98	Pass
	157	5785	-0.08	2.14	6.02	0.25	8.41	23.98	Pass
	165	5825	0.08	2.30	6.02	0.25	8.57	23.98	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 30-(12.02-6) = 23.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE40)

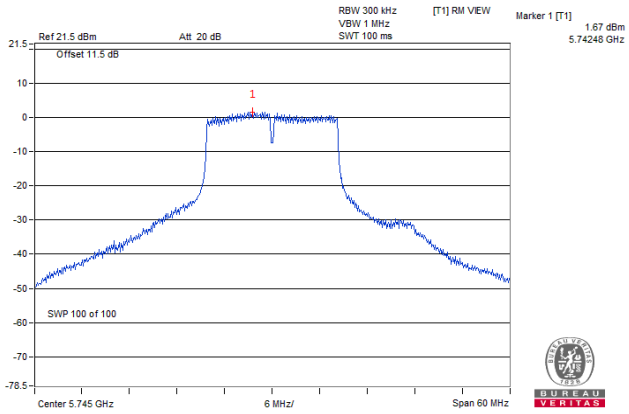
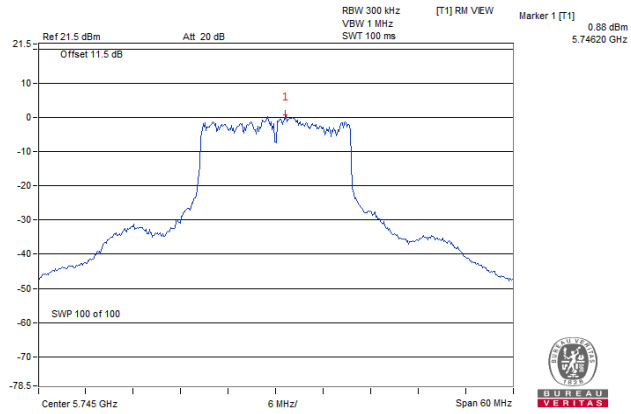
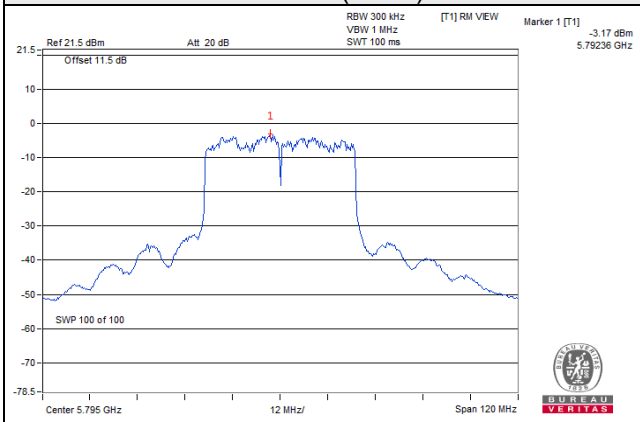
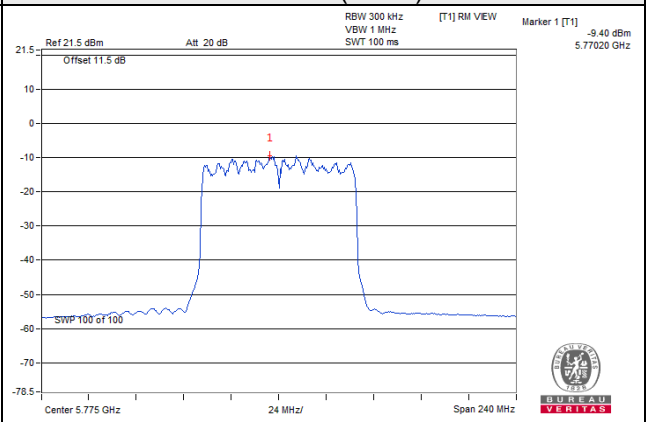
TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	142	5710 For U-NII-3	-13.00	-10.78	6.02	0.33	-4.43	23.98	Pass
	151	5755	-3.52	-1.30	6.02	0.33	5.05	23.98	Pass
	159	5795	-3.17	-0.95	6.02	0.33	5.40	23.98	Pass
1	142	5710 For U-NII-3	-13.01	-10.79	6.02	0.33	-4.44	23.98	Pass
	151	5755	-4.10	-1.88	6.02	0.33	4.47	23.98	Pass
	159	5795	-3.82	-1.60	6.02	0.33	4.75	23.98	Pass
2	142	5710 For U-NII-3	-13.67	-11.45	6.02	0.33	-5.10	23.98	Pass
	151	5755	-4.58	-2.36	6.02	0.33	3.99	23.98	Pass
	159	5795	-3.60	-1.38	6.02	0.33	4.97	23.98	Pass
3	142	5710 For U-NII-3	-11.47	-9.25	6.02	0.33	-2.90	23.98	Pass
	151	5755	-4.46	-2.24	6.02	0.33	4.11	23.98	Pass
	159	5795	-3.64	-1.42	6.02	0.33	4.93	23.98	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 30-(12.02-6) = 23.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	138	5690 For U-NII-3	-14.14	-11.92	6.02	0.85	-5.05	23.98	Pass
	155	5775	-10.46	-8.24	6.02	0.85	-1.37	23.98	Pass
1	138	5690 For U-NII-3	-14.33	-12.11	6.02	0.85	-5.24	23.98	Pass
	155	5775	-10.68	-8.46	6.02	0.85	-1.59	23.98	Pass
2	138	5690 For U-NII-3	-14.65	-12.43	6.02	0.85	-5.56	23.98	Pass
	155	5775	-9.92	-7.70	6.02	0.85	-0.83	23.98	Pass
3	138	5690 For U-NII-3	-12.82	-10.60	6.02	0.85	-3.73	23.98	Pass
	155	5775	-9.40	-7.18	6.02	0.85	-0.31	23.98	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 30-(12.02-6) = 23.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	

Test Mode C

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

802.11a

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	3.11	4.36	4.04	4.26	0.32	10.31	10.98	Pass
40	5200	3.04	3.85	4.54	4.77	0.32	10.44	10.98	Pass
48	5240	4.13	3.69	4.31	3.98	0.32	10.37	10.98	Pass
52	5260	-2.46	-3.31	-4.63	-3.05	0.32	3.05	4.98	Pass
60	5300	-2.53	-4.44	-3.70	-2.20	0.32	3.21	4.98	Pass
64	5320	-2.75	-4.27	-3.56	-2.42	0.32	3.15	4.98	Pass
100	5500	-2.49	-3.19	-3.73	-2.13	0.32	3.50	4.98	Pass
116	5580	-2.31	-3.15	-3.54	-1.35	0.32	3.84	4.98	Pass
140	5700	-2.98	-3.24	-3.07	-3.29	0.32	3.20	4.98	Pass
144	5720 For U-NII-2C	-3.34	-3.20	-2.91	-2.70	0.32	3.31	4.98	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
   For U-NII-1, the directional gain is 12.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(12.02-6) = 10.98 dBm/MHz.
   For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
   For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	2.00	3.58	2.63	1.57	0.25	8.78	10.98	Pass
40	5200	4.66	4.80	3.48	4.45	0.25	10.65	10.98	Pass
48	5240	4.62	4.79	3.44	4.50	0.25	10.64	10.98	Pass
52	5260	-4.00	-3.98	-3.43	-2.99	0.25	2.69	4.98	Pass
60	5300	-3.18	-3.84	-3.39	-3.37	0.25	2.83	4.98	Pass
64	5320	-2.04	-3.99	-3.07	-4.24	0.25	3.02	4.98	Pass
100	5500	-5.25	-2.42	-2.15	-3.87	0.25	3.02	4.98	Pass
116	5580	-3.17	-3.14	-3.77	-2.43	0.25	3.17	4.98	Pass
140	5700	-2.62	-2.82	-4.14	-4.38	0.25	2.85	4.98	Pass
144	5720 For U-NII-2C	-1.98	-1.77	-2.26	-4.68	0.25	3.74	4.98	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
   For U-NII-1, the directional gain is 12.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(12.02-6) = 10.98 dBm/MHz.
   For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
   For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	-1.60	-1.07	-3.25	-1.68	0.33	4.52	10.98	Pass
46	5230	4.78	3.37	5.33	4.49	0.33	10.90	10.98	Pass
54	5270	-1.38	-2.20	-1.86	-1.60	0.33	4.60	4.98	Pass
62	5310	-1.42	-2.10	-1.99	-1.56	0.33	4.59	4.98	Pass
102	5510	-1.35	-1.71	-1.82	-2.23	0.33	4.58	4.98	Pass
110	5550	-1.06	-1.88	-1.78	-1.92	0.33	4.71	4.98	Pass
134	5670	-1.76	-1.29	-1.63	-2.45	0.33	4.59	4.98	Pass
142	5710 For U-NII-2C	-4.53	-2.79	-2.09	-4.02	0.33	3.10	4.98	Pass

Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
   For U-NII-1, the directional gain is 12.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(12.02-6) = 10.98 dBm/MHz.
   For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
   For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	-7.40	-7.63	-8.28	-5.70	0.85	-0.27	10.98	Pass
58	5290	-5.59	-5.38	-6.47	-5.49	0.85	1.16	4.98	Pass
106	5530	-4.99	-4.59	-6.06	-3.97	0.85	2.03	4.98	Pass
122	5610	-1.77	-3.59	-4.36	-4.83	0.85	3.40	4.98	Pass
138	5690 For U-NII-2C	-2.57	-4.74	-1.91	-1.90	0.85	4.23	4.98	Pass

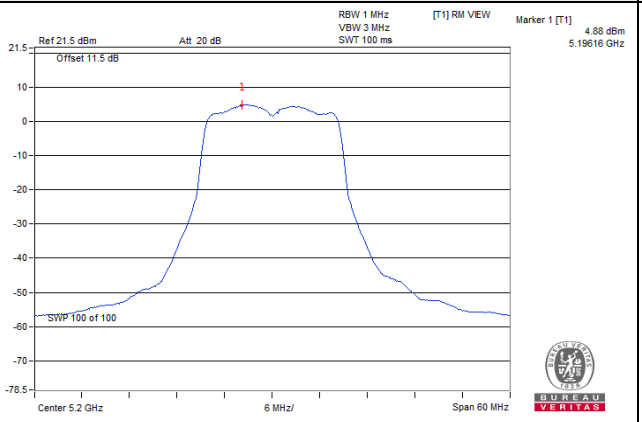
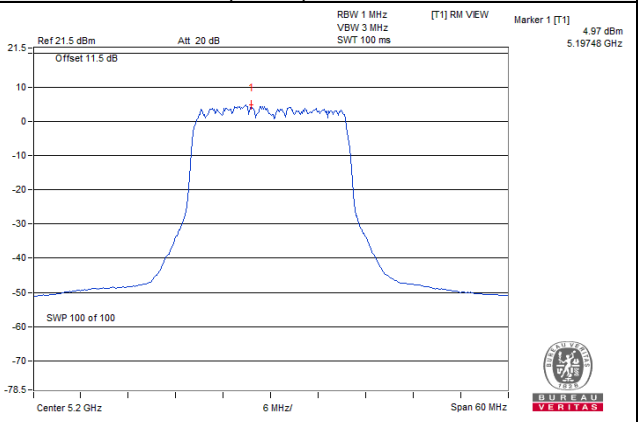
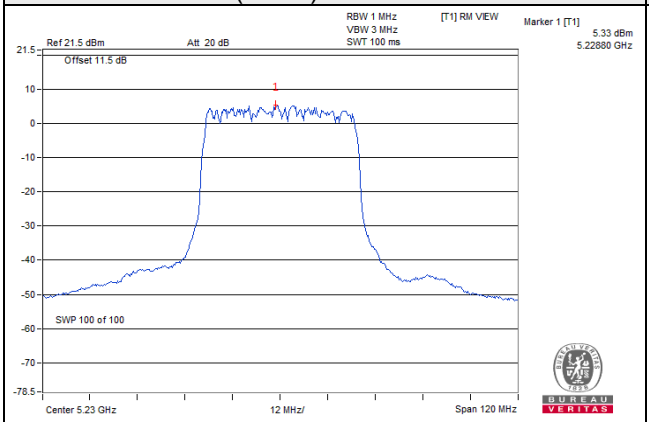
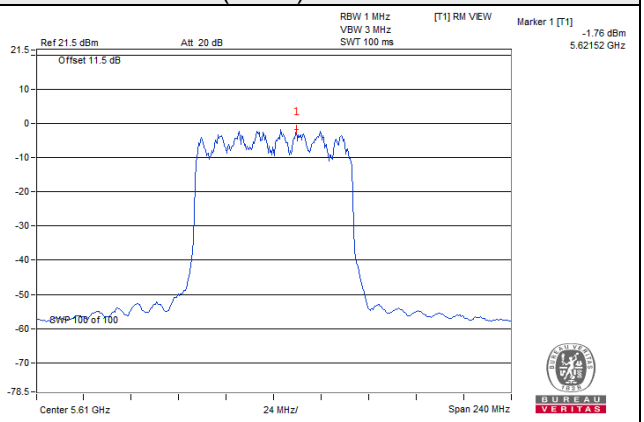
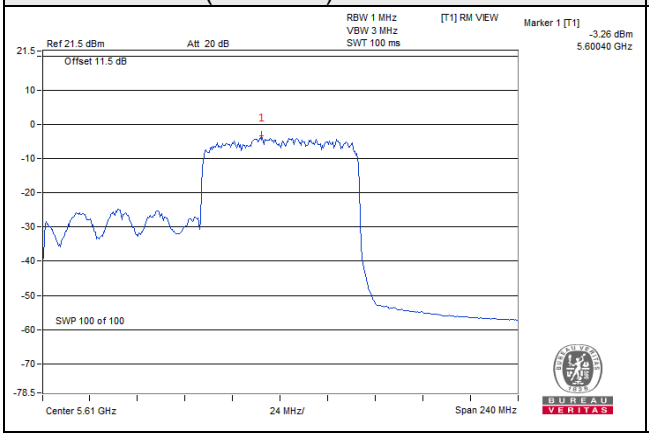
Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
   For U-NII-1, the directional gain is 12.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(12.02-6) = 10.98 dBm/MHz.
   For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
   For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE80+80)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	-7.37	-7.35	-	-	0.76	-3.59	10.98	Pass
58	5290	-	-	-8.02	-7.46	0.76	-3.96	4.98	Pass
106	5530	-3.49	-5.28	-	-	0.76	-0.52	4.98	Pass
122	5610	-	-	-3.26	-5.67	0.76	-0.53	4.98	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
   For U-NII-1, the directional gain is 12.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(12.02-6) = 10.98 dBm/MHz.
   For U-NII-2A, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
   For U-NII-2C, the directional gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 11-(12.02-6) = 4.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value	
802.11a / Chain 3 / CH 40	802.11ax (HE20) / Chain 1 / CH 40
	
802.11ax (HE40) / Chain 2 / CH 46	802.11ax (HE80) / Chain 0 / CH 122
	
802.11ax (HE80+80) / Chain 2 / CH 122	
	

For U-NII-3 band:

802.11a

TX chain	Chan.	Freq. (MHz)	PSD w/o Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD with Duty Factor (dBm/500kHz)	Limit (dBm/500 kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	144	5720 For U-NII-3	-13.68	-11.46	6.02	0.32	-5.12	23.98	Pass
	149	5745	1.43	3.65	6.02	0.32	9.99	23.98	Pass
	157	5785	1.63	3.85	6.02	0.32	10.19	23.98	Pass
	165	5825	1.84	4.06	6.02	0.32	10.40	23.98	Pass
1	144	5720 For U-NII-3	-13.28	-11.06	6.02	0.32	-4.72	23.98	Pass
	149	5745	1.09	3.31	6.02	0.32	9.65	23.98	Pass
	157	5785	1.37	3.59	6.02	0.32	9.93	23.98	Pass
	165	5825	1.73	3.95	6.02	0.32	10.29	23.98	Pass
2	144	5720 For U-NII-3	-13.51	-11.29	6.02	0.32	-4.95	23.98	Pass
	149	5745	1.65	3.87	6.02	0.32	10.21	23.98	Pass
	157	5785	1.67	3.89	6.02	0.32	10.23	23.98	Pass
	165	5825	1.65	3.87	6.02	0.32	10.21	23.98	Pass
3	144	5720 For U-NII-3	-12.23	-10.01	6.02	0.32	-3.67	23.98	Pass
	149	5745	1.08	3.30	6.02	0.32	9.64	23.98	Pass
	157	5785	1.43	3.65	6.02	0.32	9.99	23.98	Pass
	165	5825	1.48	3.70	6.02	0.32	10.04	23.98	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 30-(12.02-6) = 23.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE20)

TX chain	Chan.	Freq. (MHz)	PSD w/o Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD with Duty Factor (dBm/500kHz)	Limit (dBm/500 kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	144	5720 For U-NII-3	-13.49	-11.27	6.02	0.25	-5.00	23.98	Pass
	149	5745	0.33	2.55	6.02	0.25	8.82	23.98	Pass
	157	5785	0.63	2.85	6.02	0.25	9.12	23.98	Pass
	165	5825	0.40	2.62	6.02	0.25	8.89	23.98	Pass
1	144	5720 For U-NII-3	-14.80	-12.58	6.02	0.25	-6.31	23.98	Pass
	149	5745	-0.16	2.06	6.02	0.25	8.33	23.98	Pass
	157	5785	-0.84	1.38	6.02	0.25	7.65	23.98	Pass
	165	5825	-0.31	1.91	6.02	0.25	8.18	23.98	Pass
2	144	5720 For U-NII-3	-14.08	-11.86	6.02	0.25	-5.59	23.98	Pass
	149	5745	-0.54	1.68	6.02	0.25	7.95	23.98	Pass
	157	5785	-0.28	1.94	6.02	0.25	8.21	23.98	Pass
	165	5825	-0.52	1.70	6.02	0.25	7.97	23.98	Pass
3	144	5720 For U-NII-3	-15.68	-13.46	6.02	0.25	-7.19	23.98	Pass
	149	5745	-0.17	2.05	6.02	0.25	8.32	23.98	Pass
	157	5785	-0.88	1.34	6.02	0.25	7.61	23.98	Pass
	165	5825	0.03	2.25	6.02	0.25	8.52	23.98	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 30-(12.02-6) = 23.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE40)

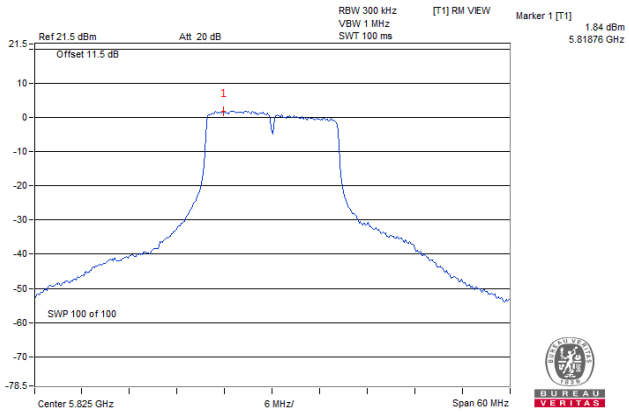
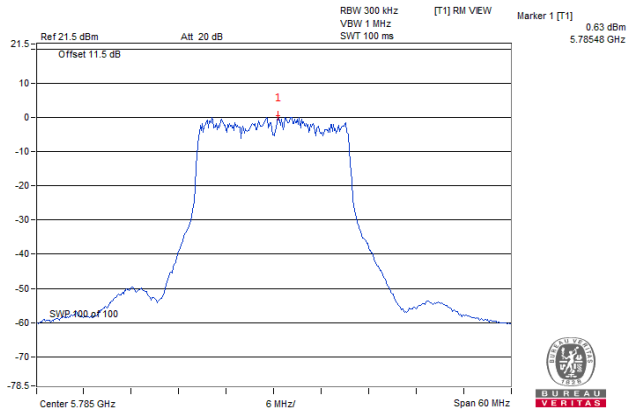
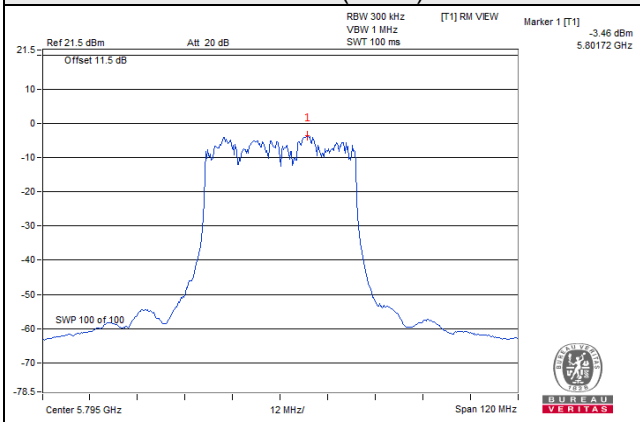
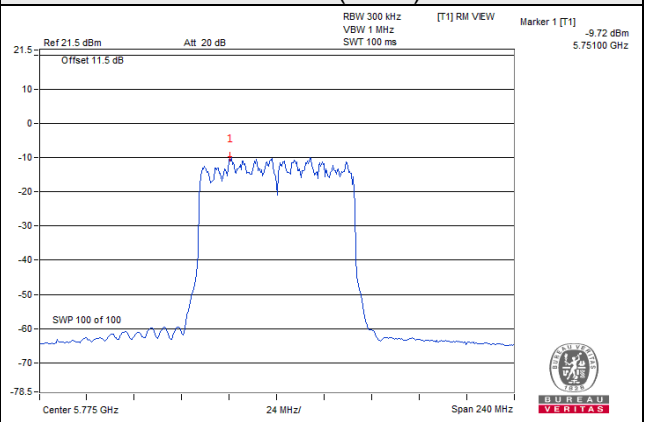
TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	142	5710 For U-NII-3	-11.95	-9.73	6.02	0.33	-3.38	23.98	Pass
	151	5755	-3.50	-1.28	6.02	0.33	5.07	23.98	Pass
	159	5795	-3.46	-1.24	6.02	0.33	5.11	23.98	Pass
1	142	5710 For U-NII-3	-13.11	-10.89	6.02	0.33	-4.54	23.98	Pass
	151	5755	-4.41	-2.19	6.02	0.33	4.16	23.98	Pass
	159	5795	-4.16	-1.94	6.02	0.33	4.41	23.98	Pass
2	142	5710 For U-NII-3	-14.11	-11.89	6.02	0.33	-5.54	23.98	Pass
	151	5755	-4.61	-2.39	6.02	0.33	3.96	23.98	Pass
	159	5795	-4.18	-1.96	6.02	0.33	4.39	23.98	Pass
3	142	5710 For U-NII-3	-12.30	-10.08	6.02	0.33	-3.73	23.98	Pass
	151	5755	-4.68	-2.46	6.02	0.33	3.89	23.98	Pass
	159	5795	-4.39	-2.17	6.02	0.33	4.18	23.98	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 30-(12.02-6) = 23.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	138	5690 For U-NII-3	-15.37	-13.15	6.02	0.85	-6.28	23.98	Pass
	155	5775	-10.90	-8.68	6.02	0.85	-1.81	23.98	Pass
1	138	5690 For U-NII-3	-13.58	-11.36	6.02	0.85	-4.49	23.98	Pass
	155	5775	-11.25	-9.03	6.02	0.85	-2.16	23.98	Pass
2	138	5690 For U-NII-3	-15.05	-12.83	6.02	0.85	-5.96	23.98	Pass
	155	5775	-10.24	-8.02	6.02	0.85	-1.15	23.98	Pass
3	138	5690 For U-NII-3	-12.65	-10.43	6.02	0.85	-3.56	23.98	Pass
	155	5775	-9.72	-7.50	6.02	0.85	-0.63	23.98	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = gain is 12.02 dBi > 6 dBi, so the power density limit shall be reduced to 30-(12.02-6) = 23.98 dBm/MHz.
3. Refer to section 3.3 for duty cycle spectrum plot.

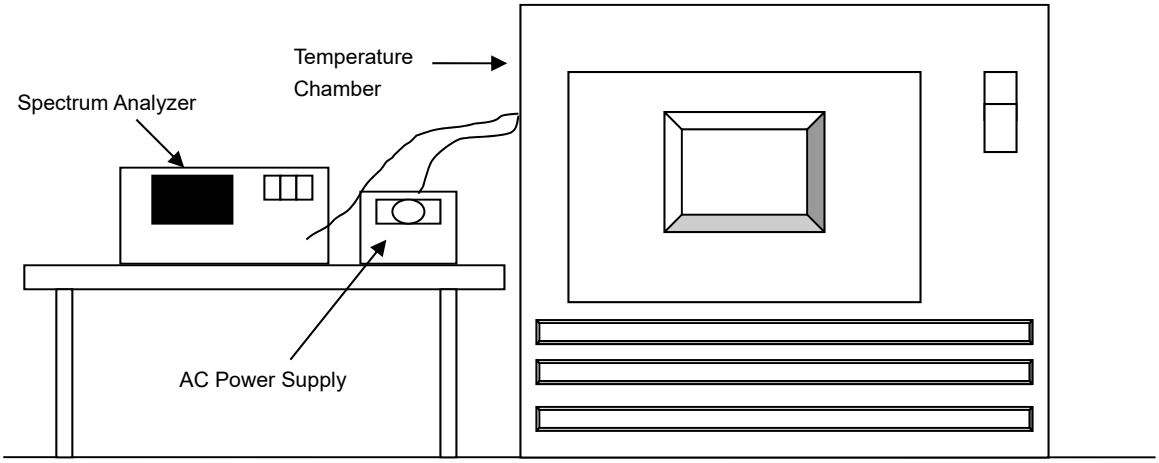
Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	

4.6 Frequency Stability

4.6.1 Limits of Frequency Stability Measurement

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

4.6.2 Test Setup



4.6.3 Test Instruments

Test Date: Jul. 05, 2022

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100040	Sep. 15, 2021	Sep. 14, 2022
WIT Standard Temperature And Humidity Chamber	TH-4S-C	W981030	May 30, 2022	May 29, 2023
Digital Multimeter Fluke	87-III	70360742	Jun. 23, 2022	Jun. 22, 2023
AC Power Supply Extech	CFW-105	E000603	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.

4.6.4 Test Procedure

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

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

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

d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.

e. Repeat step d with the temperature chamber set to the next desired temperature.

f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

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

4.6.7 Test Results

Test Mode A

Frequency Stability Versus Temp.									
Operating Frequency: 5180MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
45	120	5179.9800	Pass	5179.9819	Pass	5179.9787	Pass	5179.9793	Pass
40	120	5179.9846	Pass	5179.9837	Pass	5179.9832	Pass	5179.9830	Pass
30	120	5180.0060	Pass	5180.0071	Pass	5180.0033	Pass	5180.0069	Pass
20	120	5180.0119	Pass	5180.0162	Pass	5180.0167	Pass	5180.0138	Pass
10	120	5180.0034	Pass	5180.0033	Pass	5180.0038	Pass	5180.0054	Pass
0	120	5180.0177	Pass	5180.0198	Pass	5180.0176	Pass	5180.0164	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
20	138	5180.0105	Pass	5180.0100	Pass	5180.0130	Pass	5180.0105	Pass
	120	5180.0119	Pass	5180.0162	Pass	5180.0167	Pass	5180.0138	Pass
	102	5180.0150	Pass	5180.0120	Pass	5180.0170	Pass	5180.0161	Pass

Test Mode C

Frequency Stability Versus Temp.									
Operating Frequency: 5180MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
45	120	5180.0125	Pass	5180.0120	Pass	5180.0115	Pass	5180.0124	Pass
40	120	5180.0040	Pass	5180.0020	Pass	5180.0029	Pass	5180.0045	Pass
30	120	5180.0086	Pass	5180.0109	Pass	5180.0093	Pass	5180.0096	Pass
20	120	5179.9928	Pass	5179.9952	Pass	5179.9941	Pass	5179.9966	Pass
10	120	5180.0072	Pass	5180.0074	Pass	5180.0075	Pass	5180.0032	Pass
0	120	5180.0140	Pass	5180.0173	Pass	5180.0149	Pass	5180.0149	Pass

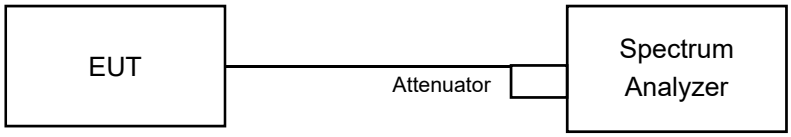
Frequency Stability Versus Voltage									
Operating Frequency: 5180MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
20	138	5179.9944	Pass	5179.9957	Pass	5179.9940	Pass	5179.9985	Pass
	120	5179.9928	Pass	5179.9952	Pass	5179.9941	Pass	5179.9966	Pass
	102	5179.9853	Pass	5179.9854	Pass	5179.9844	Pass	5179.9864	Pass

4.7 6dB Bandwidth Measurement

4.7.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

4.7.2 Test Setup



4.7.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.7.4 Test Procedure

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

4.7.5 Deviation from Test Standard

No deviation.

4.7.6 EUT Operating Condition

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

4.7.7 Test Results

Test Mode A

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	3.15	3.15	2.89	3.16	0.5	Pass
149	5745	16.36	16.36	16.36	16.10	0.5	Pass
157	5785	15.43	16.36	15.96	15.81	0.5	Pass
165	5825	15.98	15.95	15.77	15.78	0.5	Pass

802.11ax (HE20)

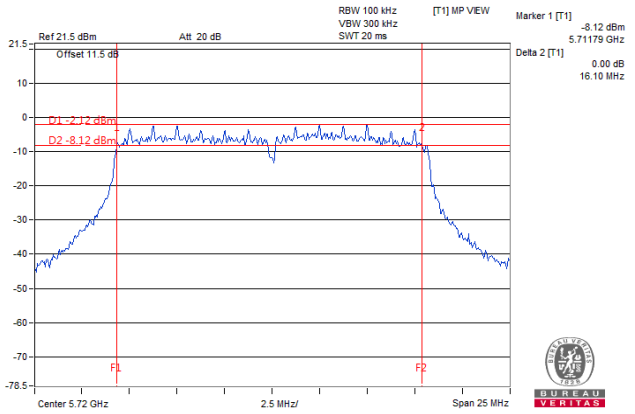
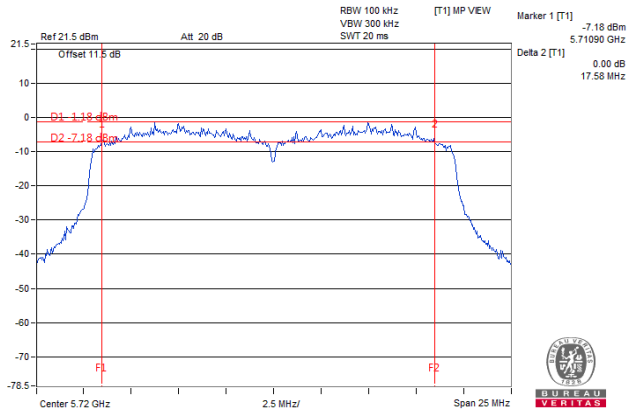
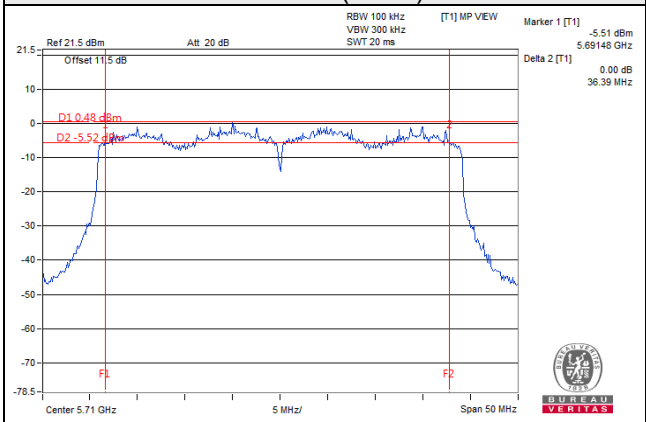
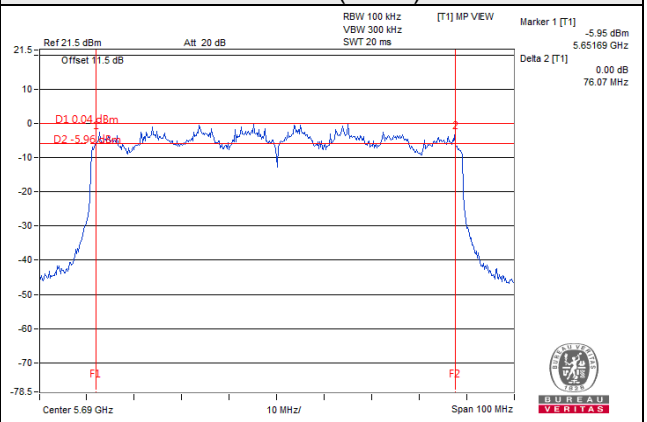
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	3.48	4.49	4.23	3.75	0.5	Pass
149	5745	18.88	18.77	18.71	16.94	0.5	Pass
157	5785	17.94	18.65	18.87	16.90	0.5	Pass
165	5825	18.69	18.67	18.93	17.75	0.5	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
142	5710 For U-NII-3	2.87	3.73	3.56	3.81	0.5	Pass
151	5755	37.85	37.80	37.86	37.38	0.5	Pass
159	5795	37.67	37.98	37.97	36.72	0.5	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
138	5690 For U-NII-3	2.76	3.82	3.67	2.79	0.5	Pass
155	5775	77.44	75.71	76.56	75.84	0.5	Pass

Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	

Test Mode C

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	3.15	3.15	2.89	3.16	0.5	Pass
149	5745	16.36	16.36	16.36	16.10	0.5	Pass
157	5785	15.43	16.36	15.96	15.81	0.5	Pass
165	5825	15.98	15.95	15.77	15.78	0.5	Pass

802.11ax (HE20)

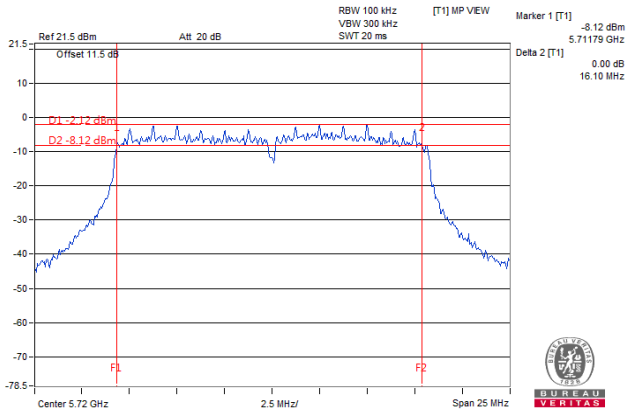
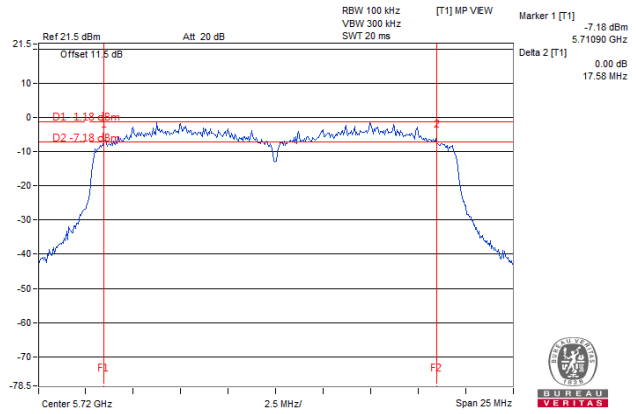
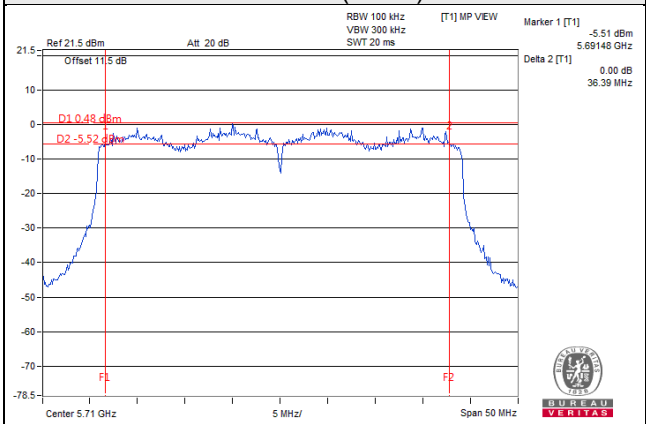
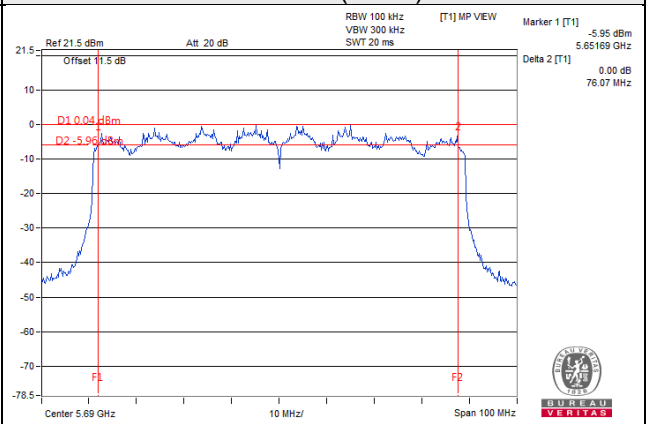
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	3.48	4.49	4.23	3.75	0.5	Pass
149	5745	18.88	18.77	18.71	16.94	0.5	Pass
157	5785	17.94	18.65	18.87	16.90	0.5	Pass
165	5825	18.69	18.67	18.93	17.75	0.5	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
142	5710 For U-NII-3	2.87	3.73	3.56	3.81	0.5	Pass
151	5755	37.85	37.80	37.86	37.38	0.5	Pass
159	5795	37.67	37.98	37.97	36.72	0.5	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
138	5690 For U-NII-3	2.76	3.82	3.67	2.79	0.5	Pass
155	5775	77.44	75.71	76.56	75.84	0.5	Pass

Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	

5 Pictures of Test Arrangements

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

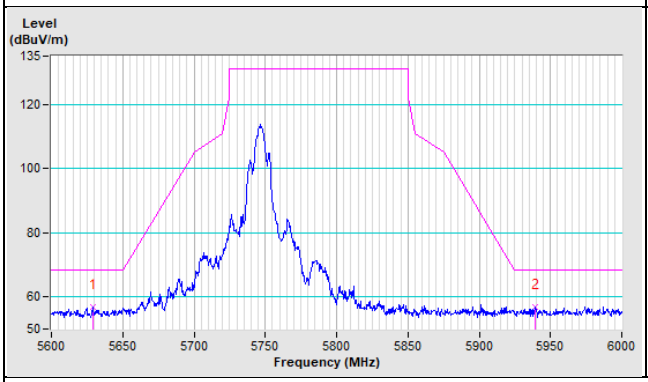
Annex A- Radiated out of Band Emission (OOBE) Measurement (For U-NII-3 band)

Test Mode A

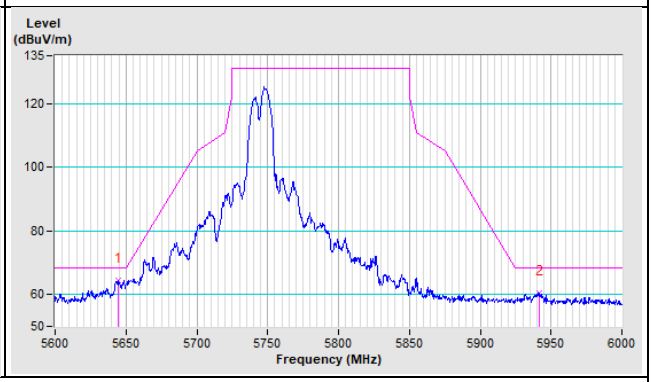
802.11a

CH149

Horizontal

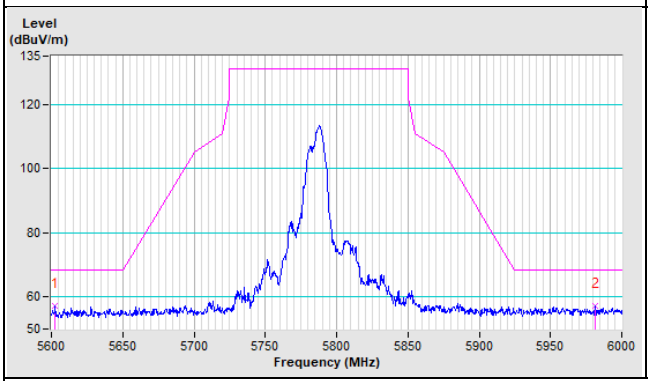


Vertical

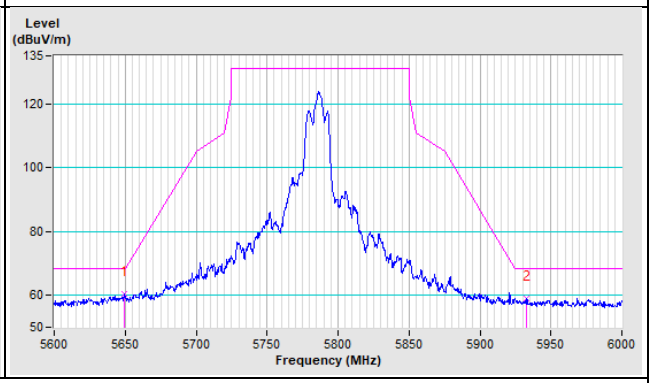


CH157

Horizontal

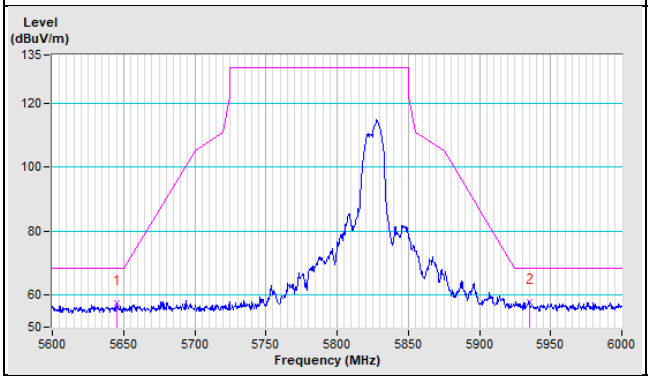


Vertical

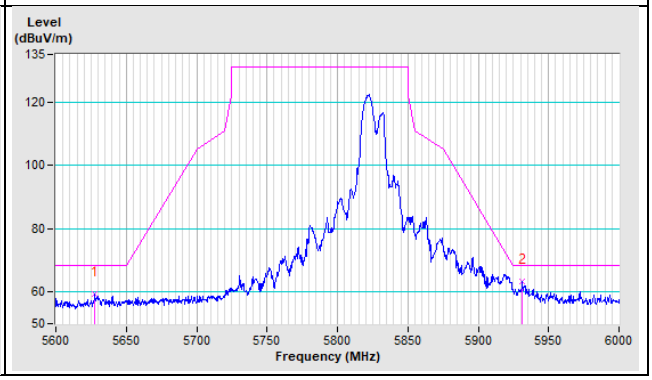


CH165

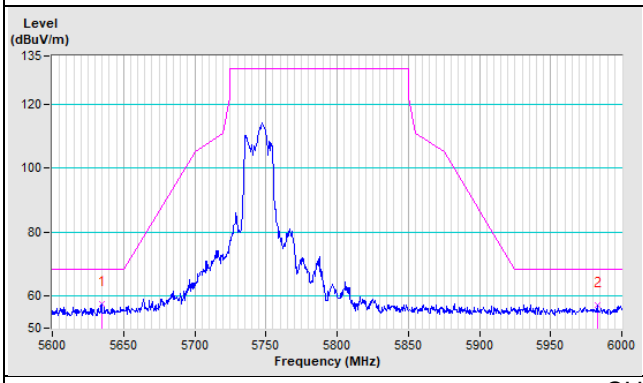
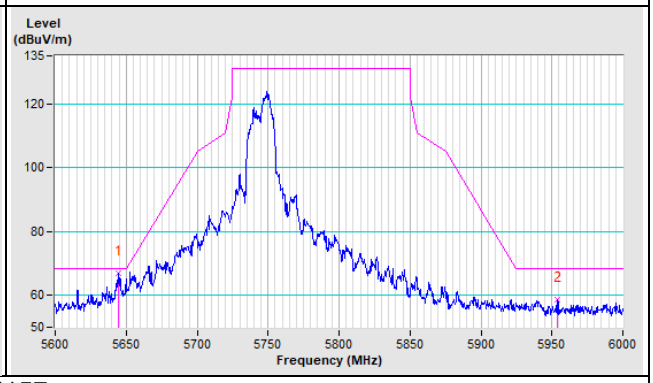
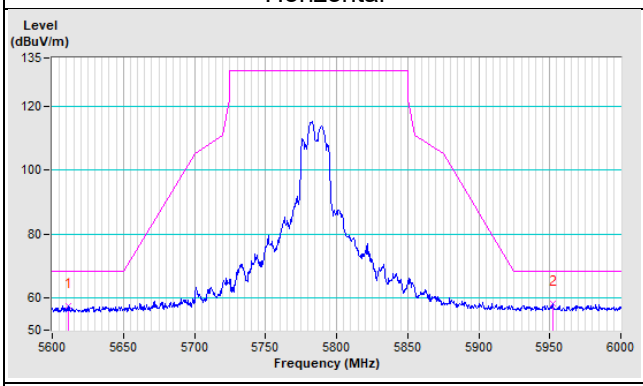
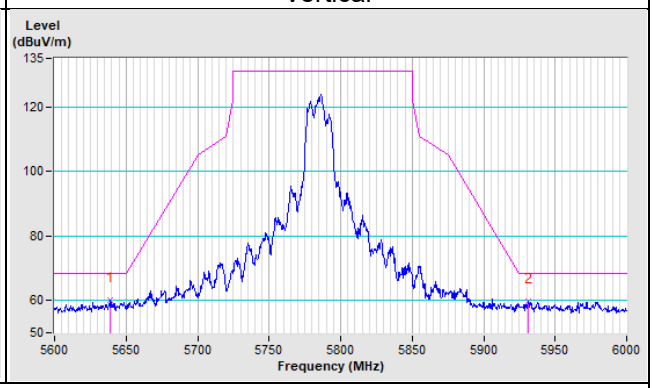
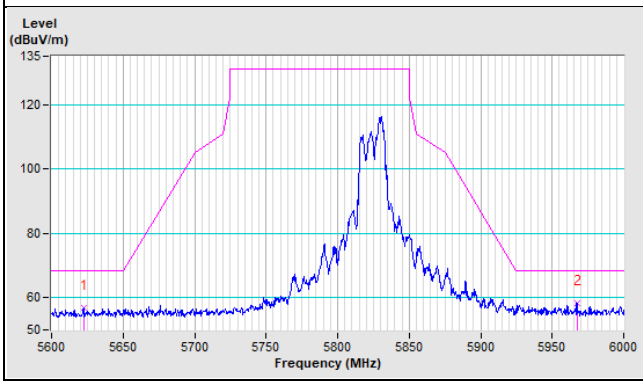
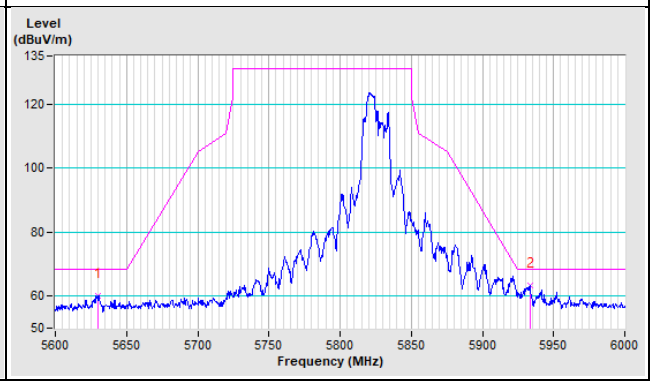
Horizontal



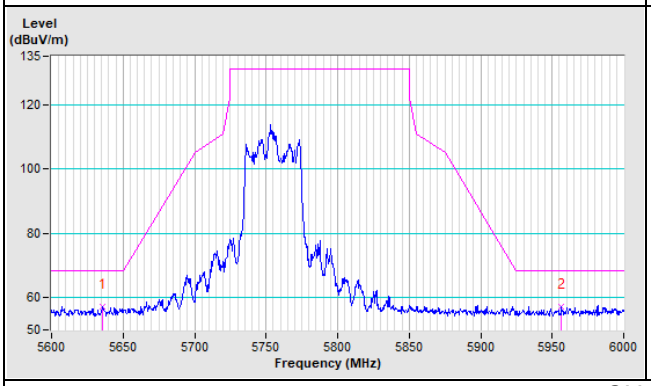
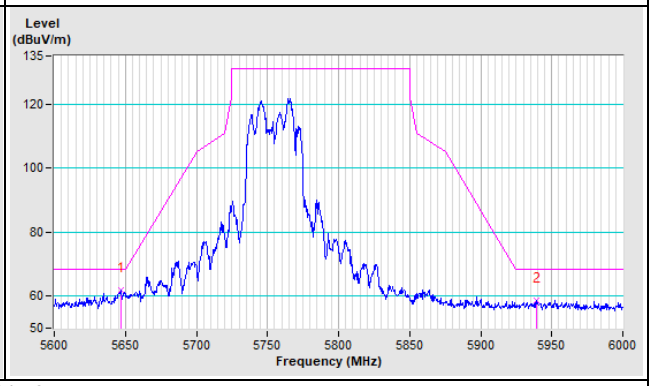
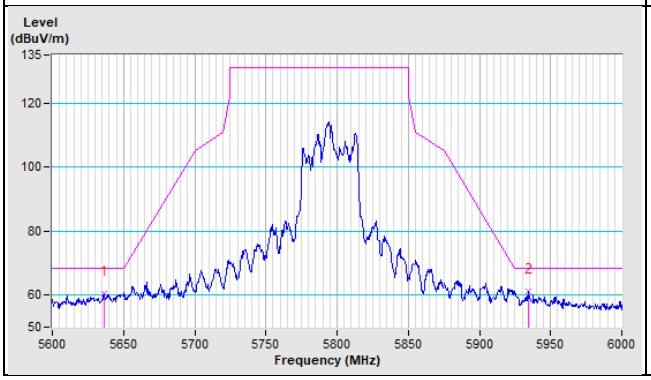
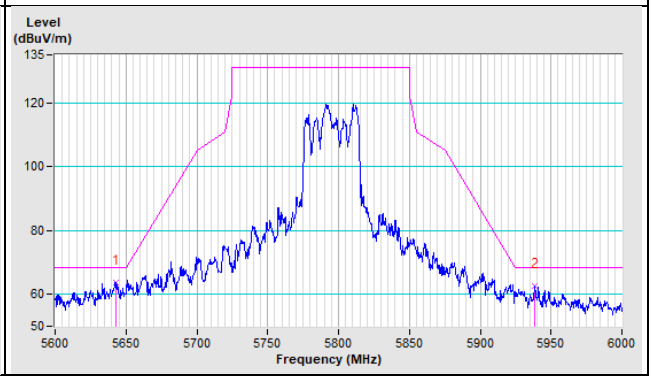
Vertical



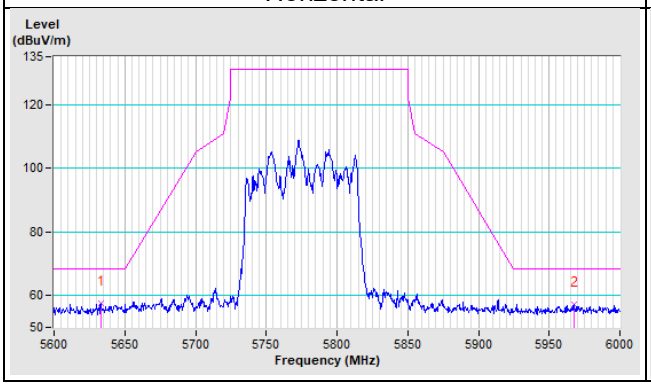
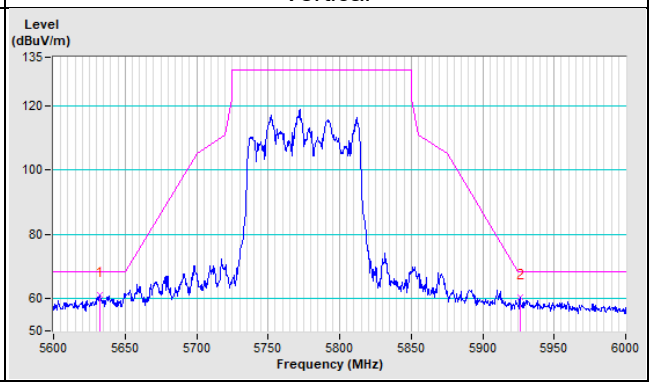
802.11ax (HE20)

CH149	
Horizontal	Vertical
	
CH157	
Horizontal	Vertical
	
CH165	
Horizontal	Vertical
	

802.11ax (HE40)

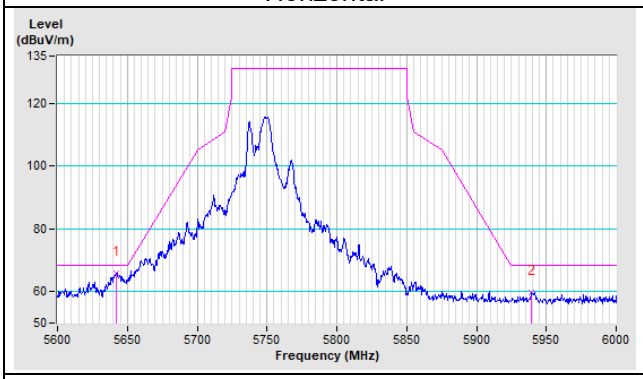
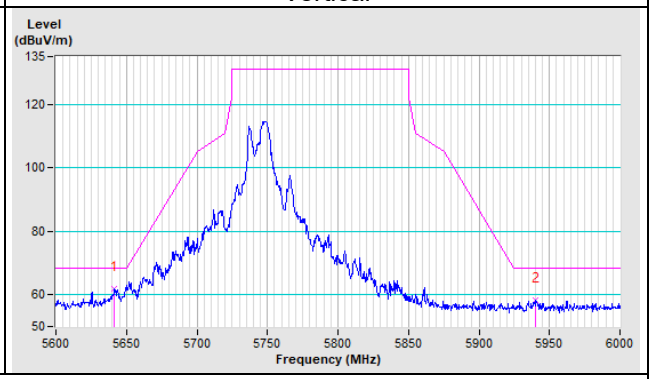
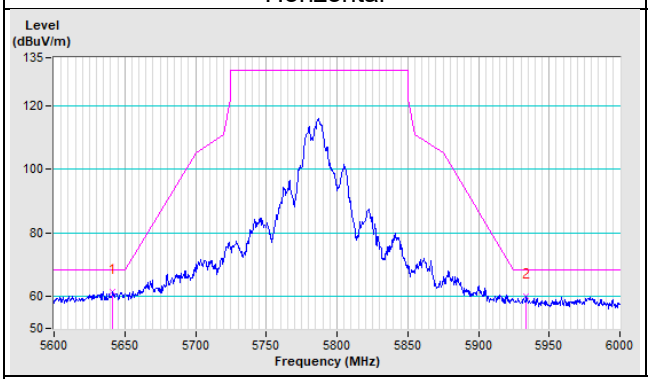
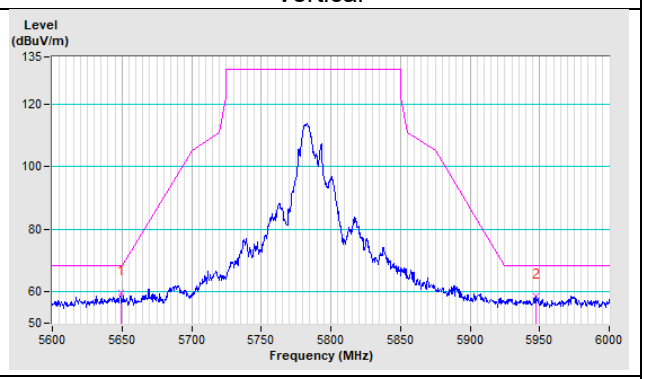
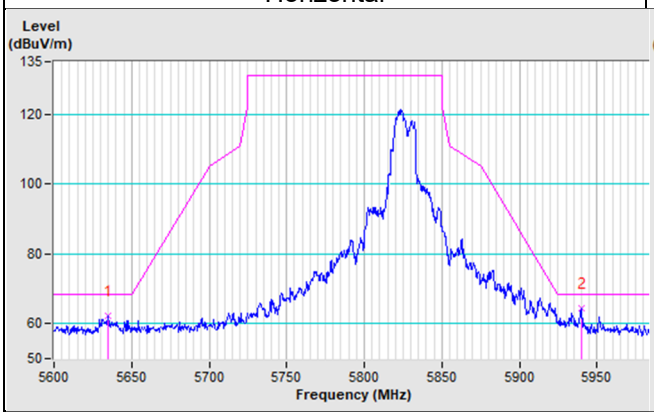
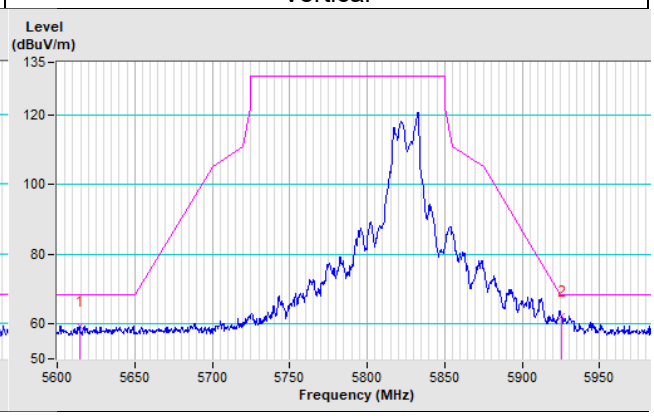
CH151	
Horizontal	Vertical
	
CH159	
Horizontal	Vertical
	

802.11ax (HE80)

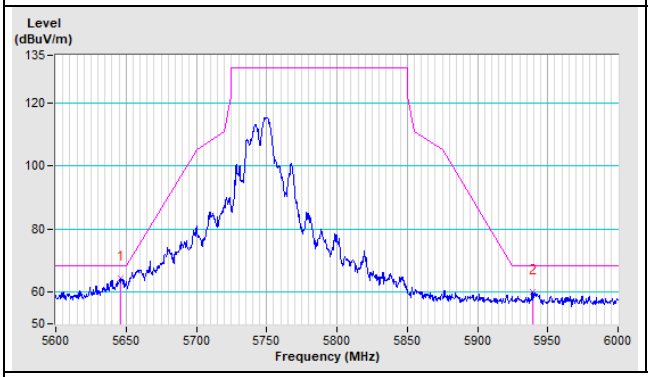
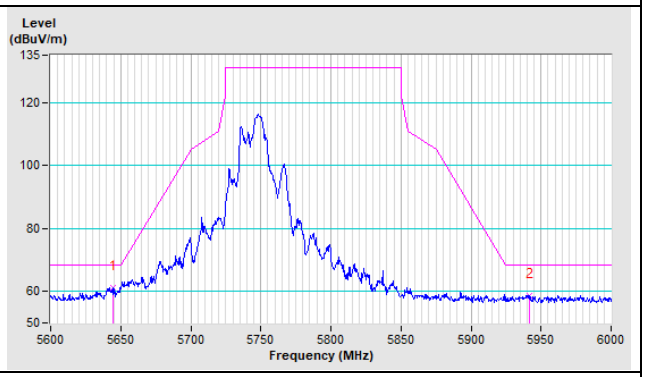
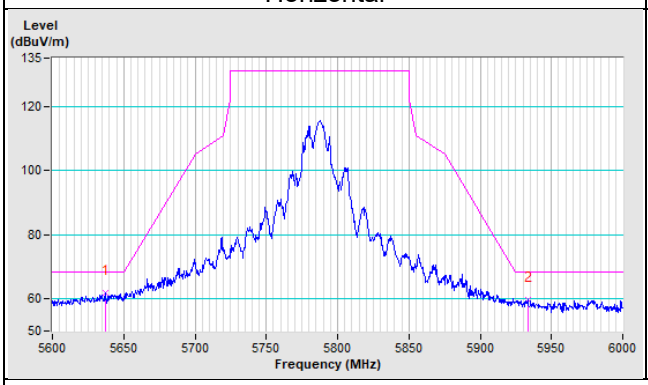
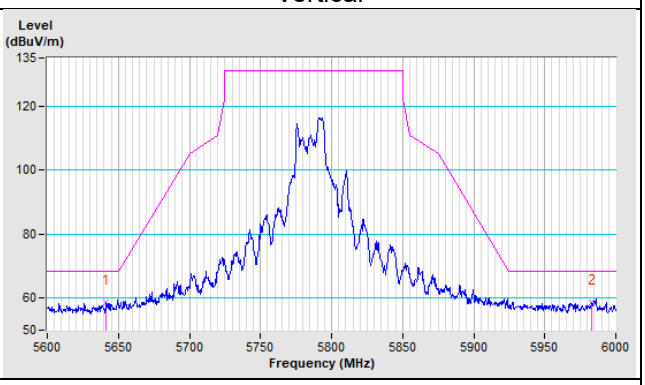
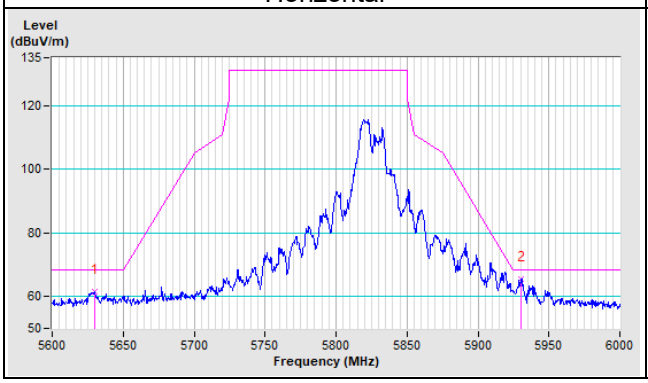
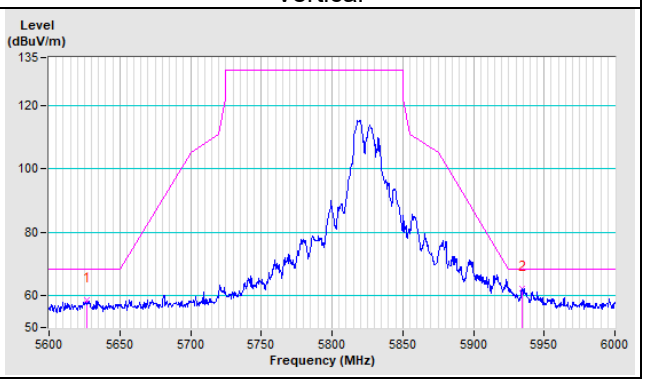
CH155	
Horizontal	Vertical
	

Test Mode C

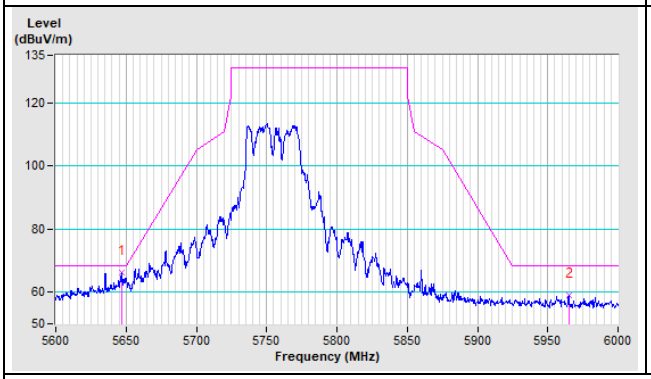
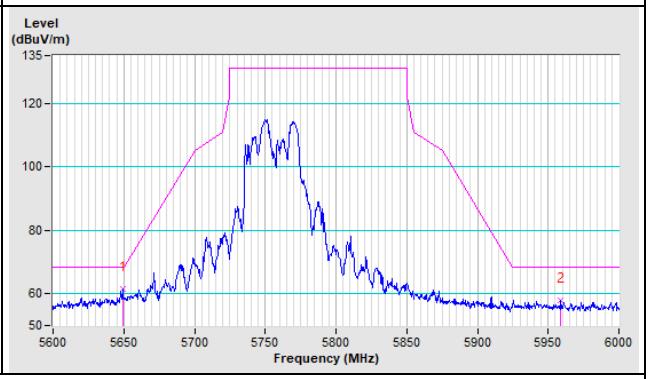
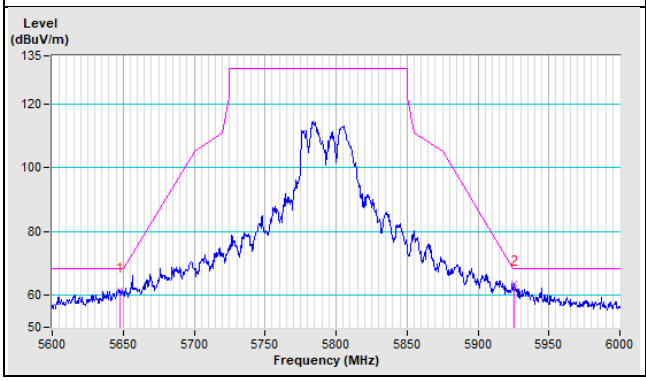
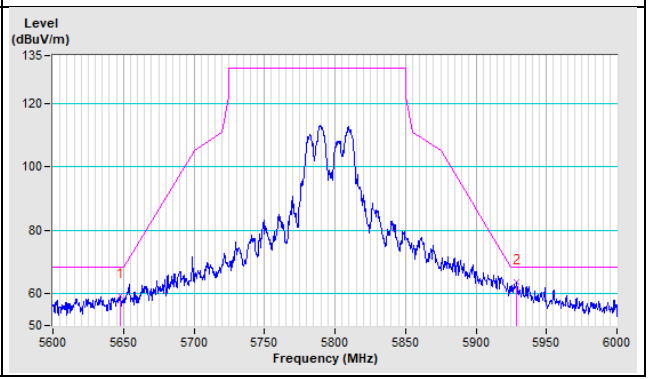
802.11a

CH149	
Horizontal	Vertical
	
CH157	
Horizontal	Vertical
	
CH165	
Horizontal	Vertical
	

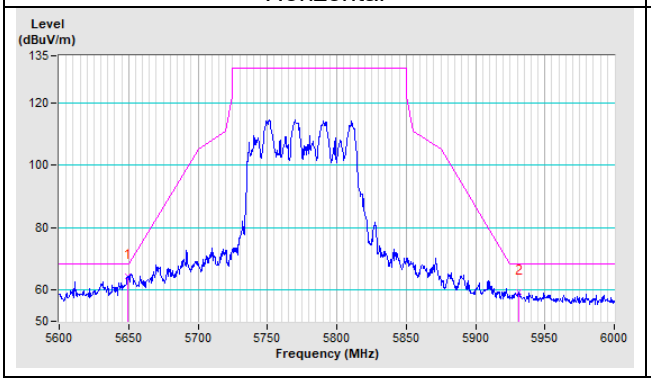
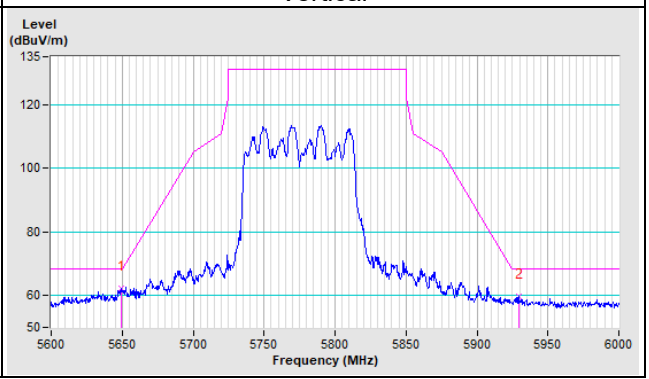
802.11ax (HE20)

CH149	
Horizontal	Vertical
	
CH157	
Horizontal	Vertical
	
CH165	
Horizontal	Vertical
	

802.11ax (HE40)

CH151	
Horizontal	Vertical
	
CH159	
Horizontal	Vertical
	

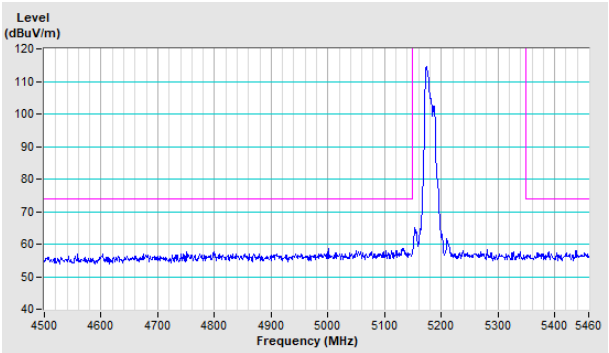
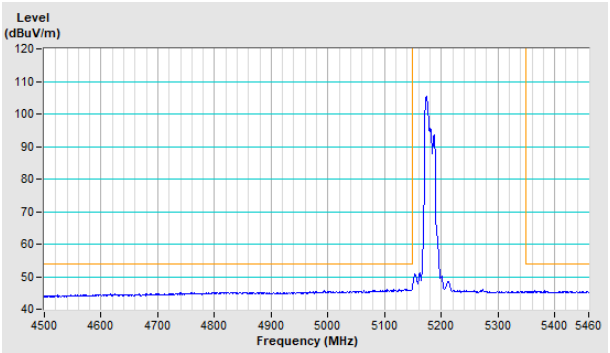
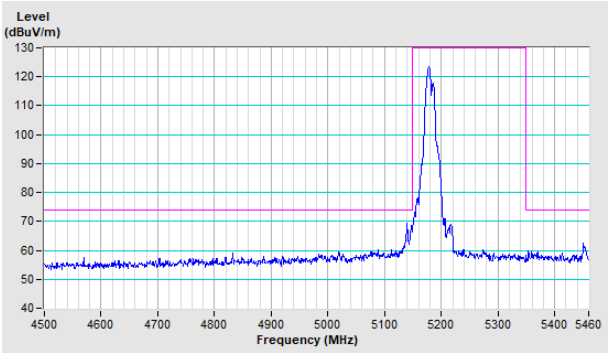
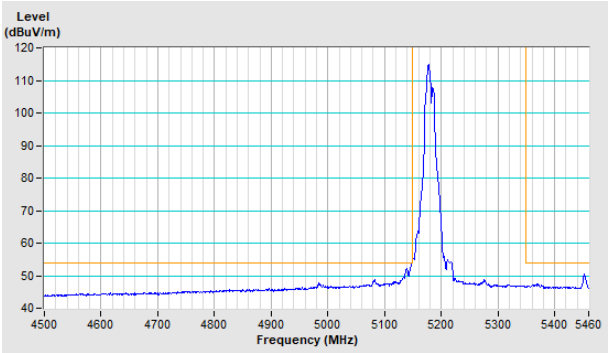
802.11ax (HE80)

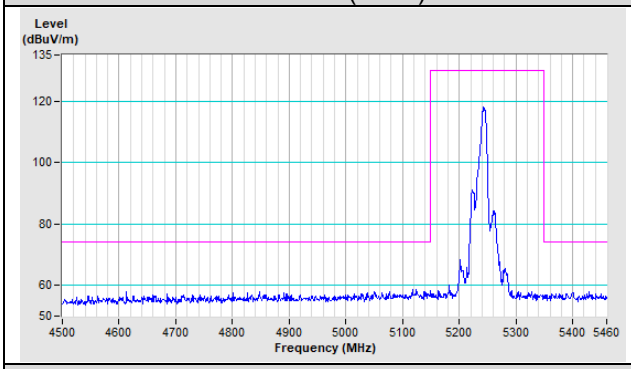
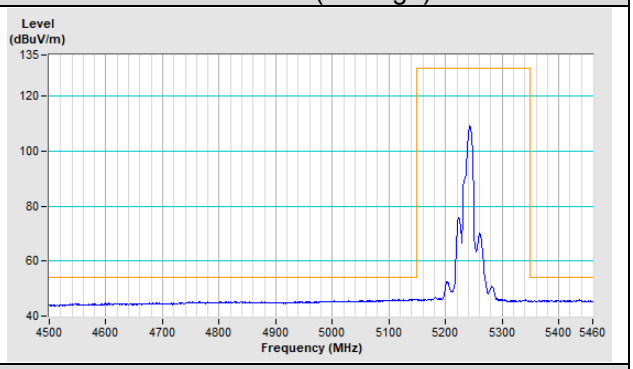
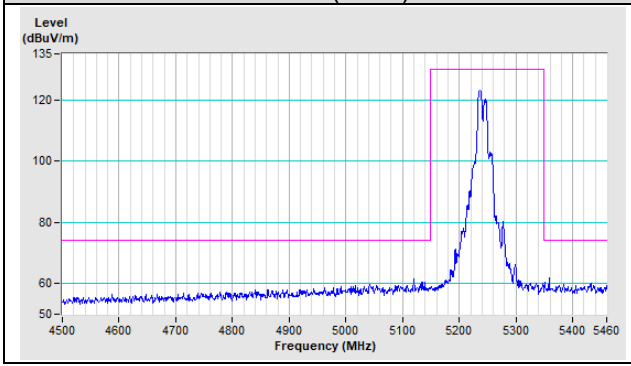
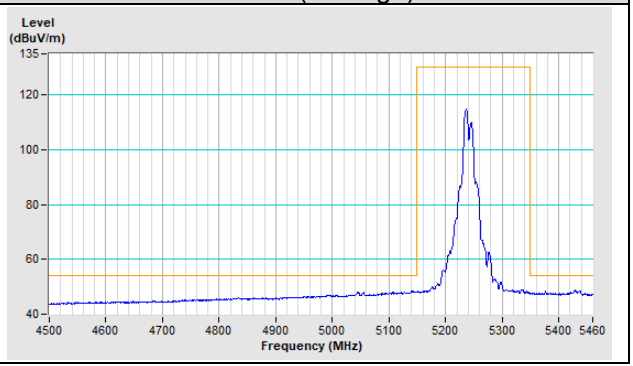
CH155	
Horizontal	Vertical
	

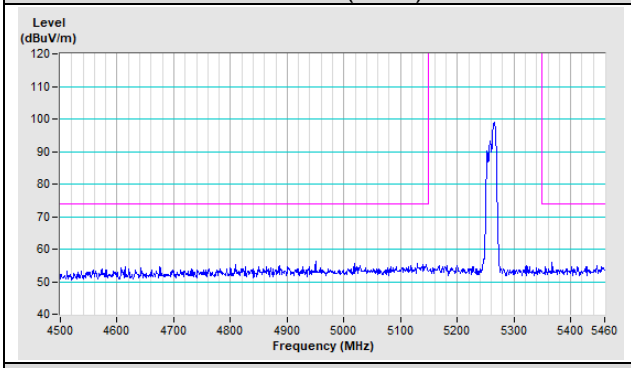
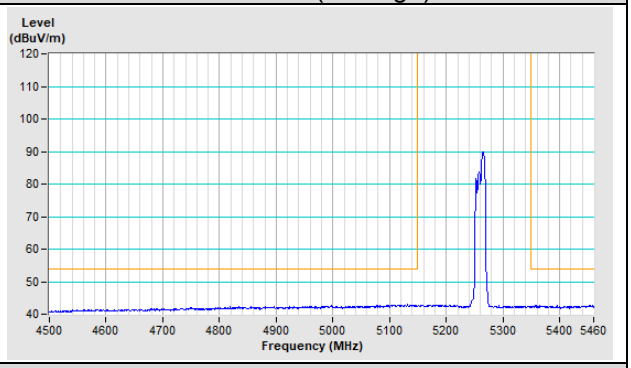
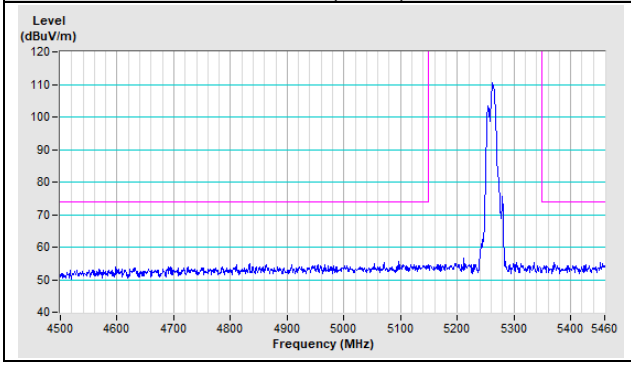
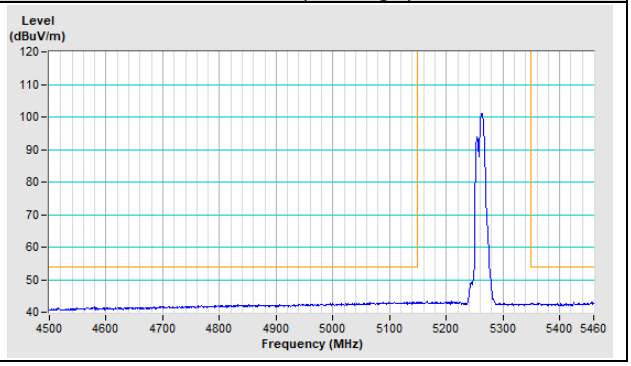
Annex B- Band Edge Measurement

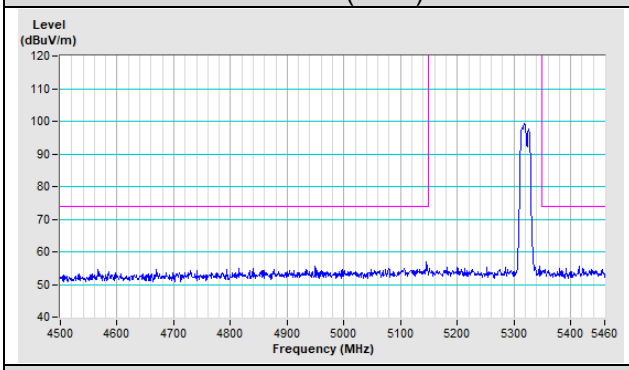
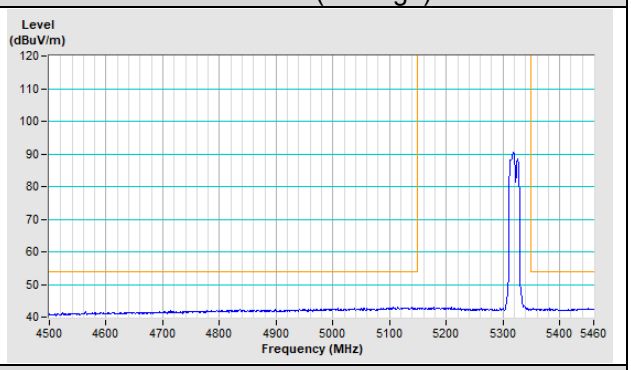
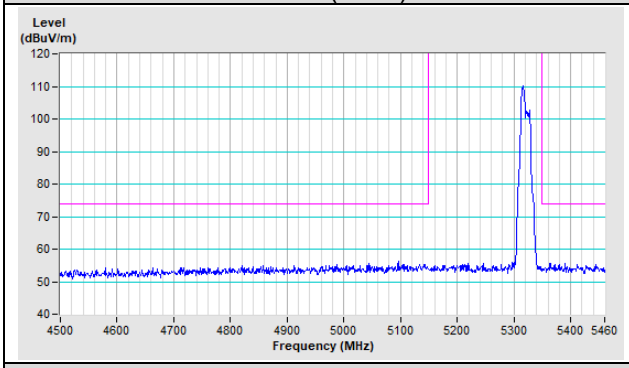
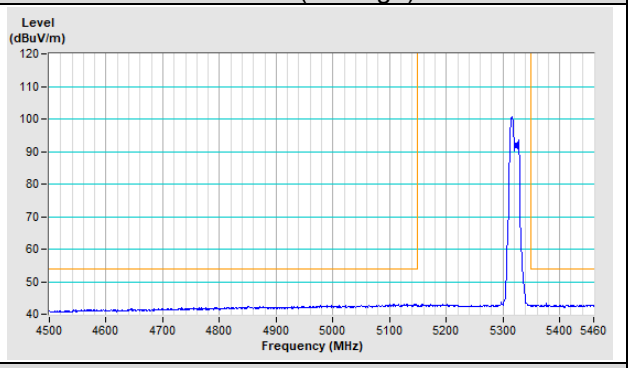
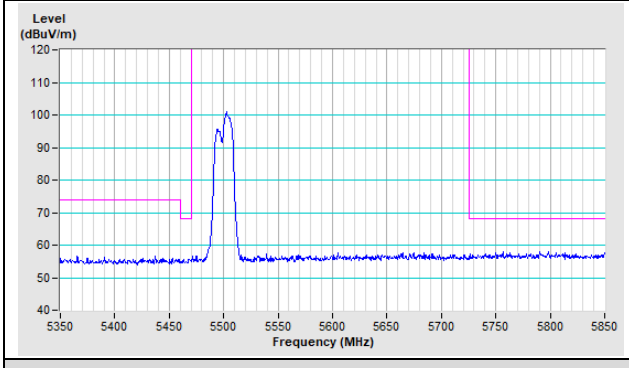
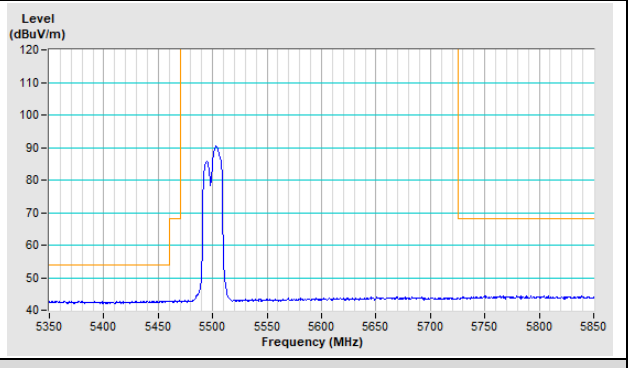
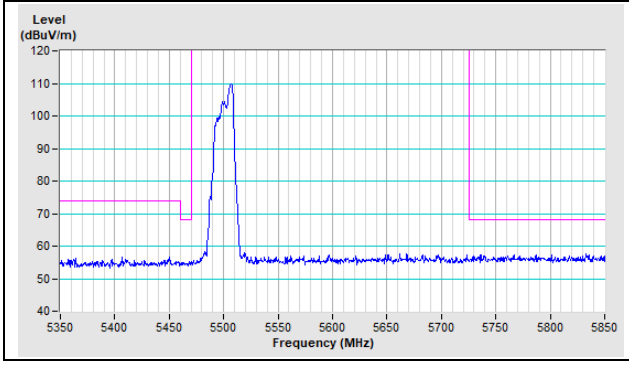
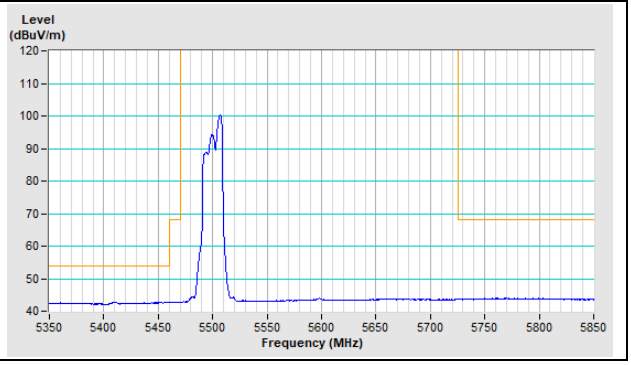
Test Mode A

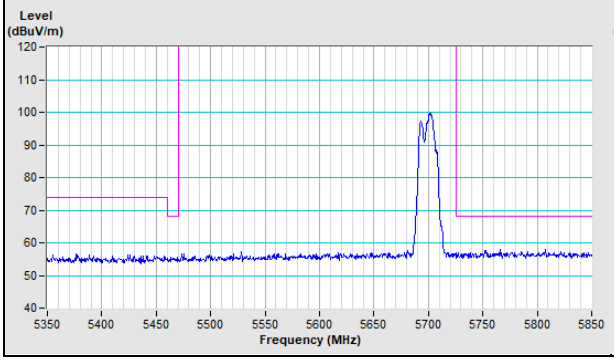
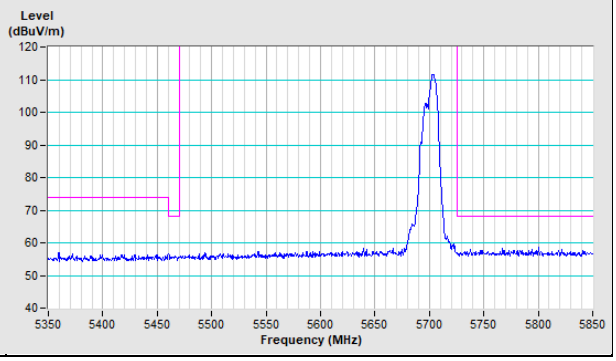
802.11a

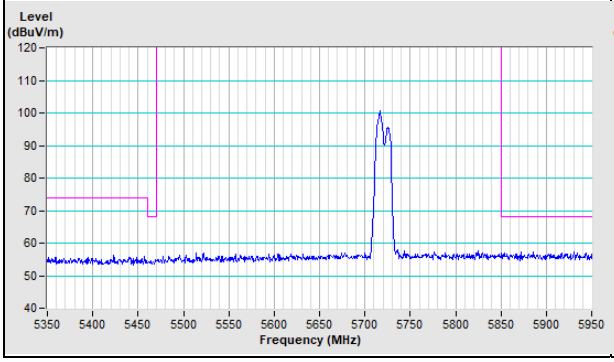
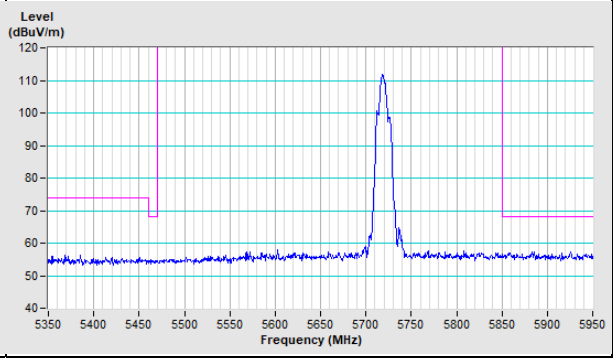
Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Channel 48	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Channel 52	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Channel 140	
Horizontal (Peak)	Vertical (Peak)
	

Channel 144	
Horizontal (Peak)	Vertical (Peak)
	

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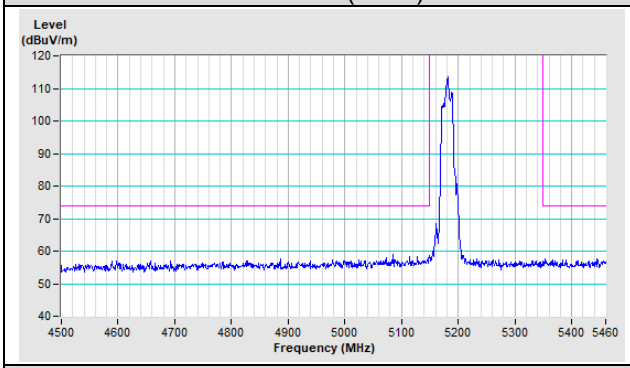
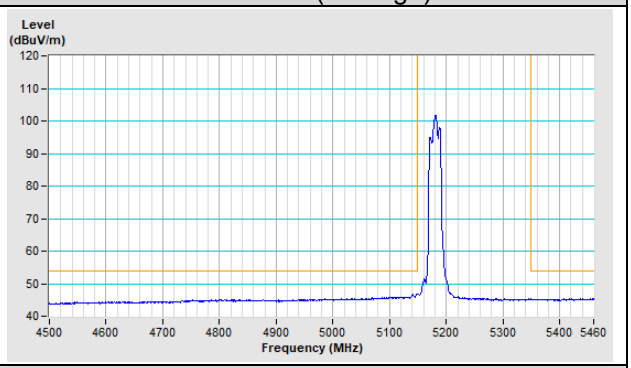
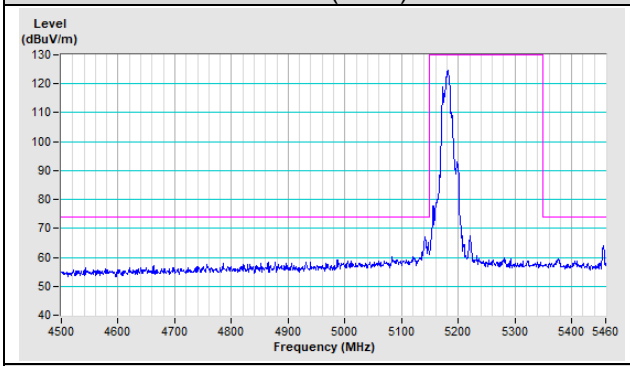
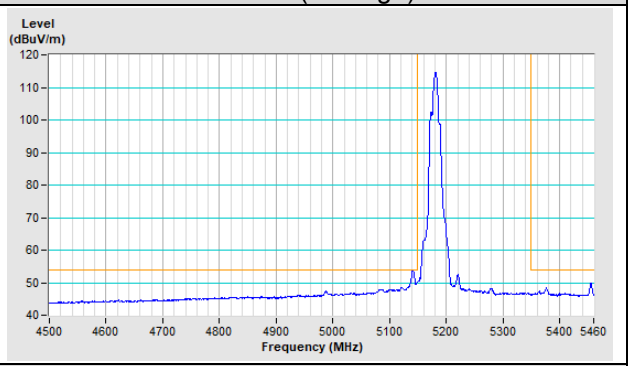
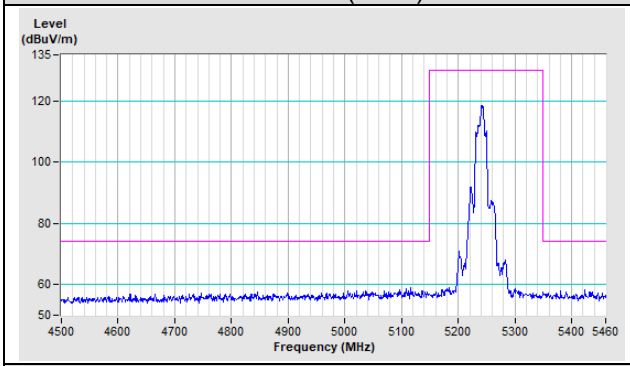
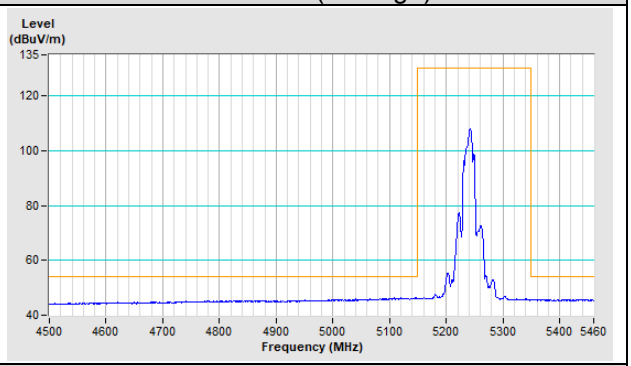
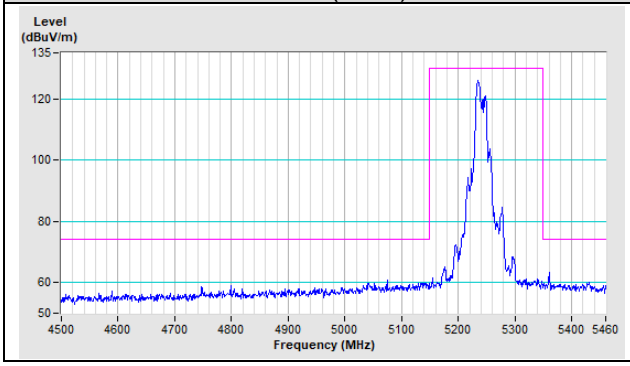
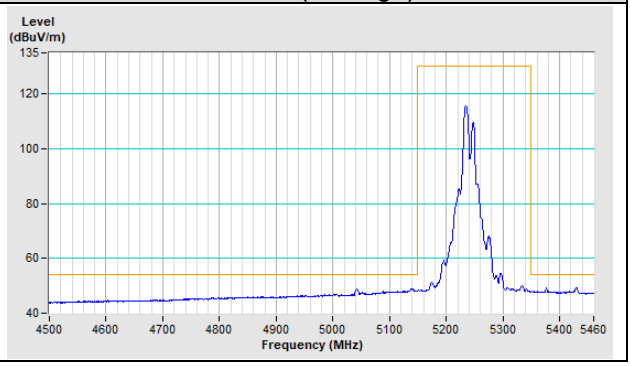
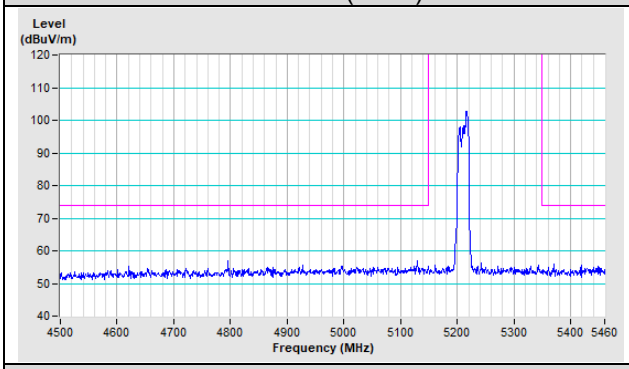
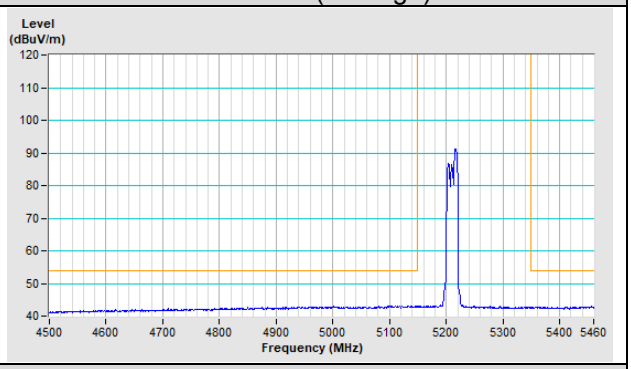
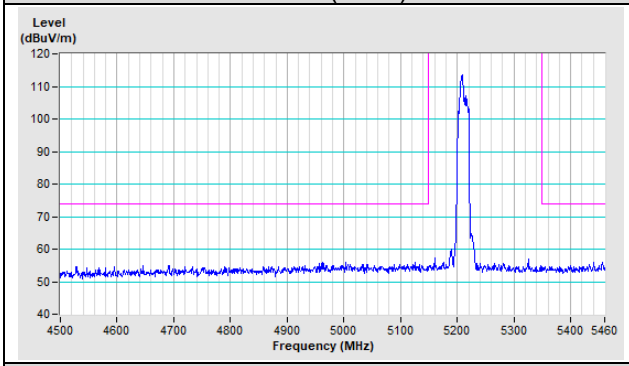
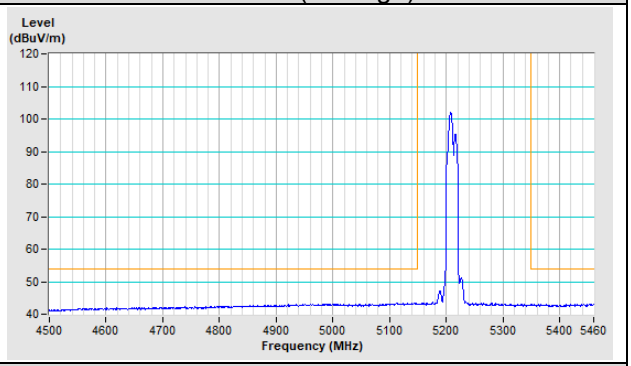
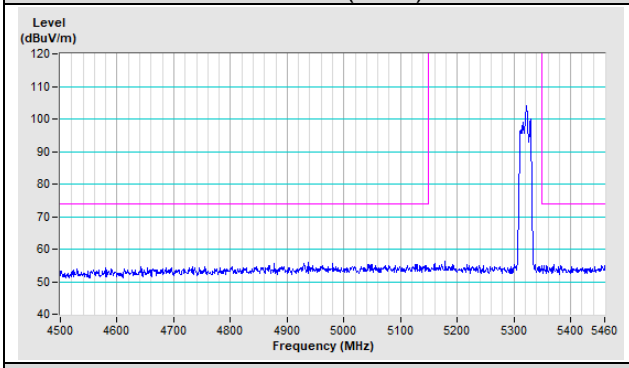
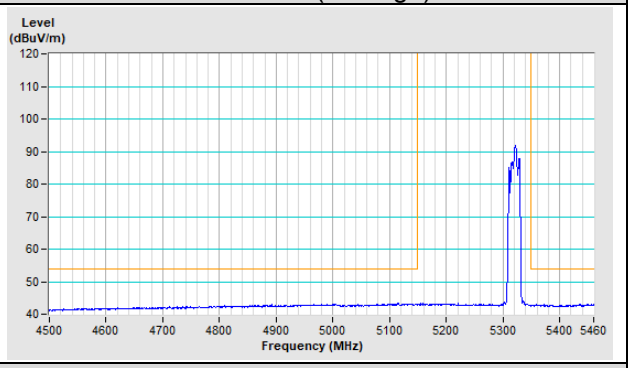
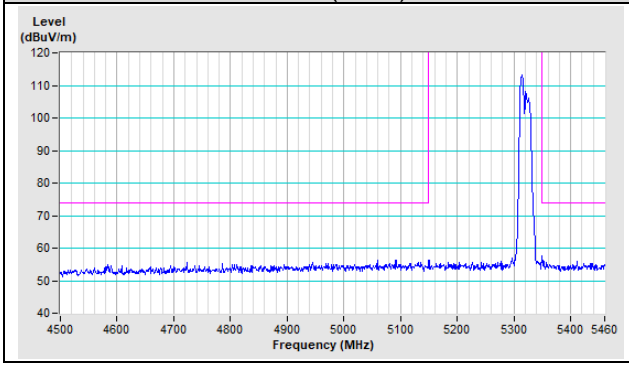
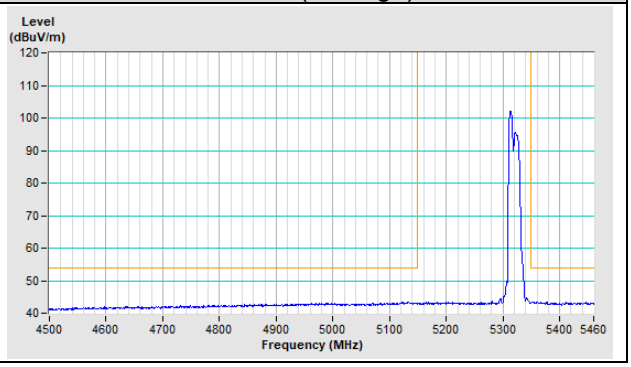
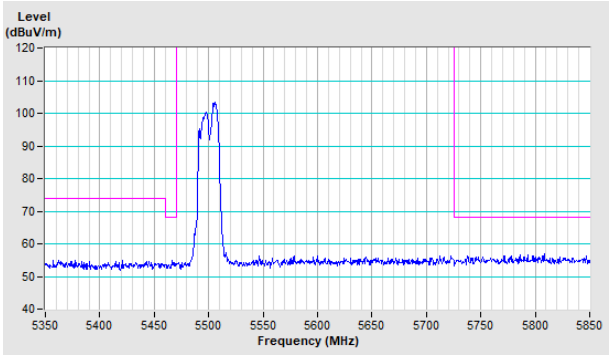
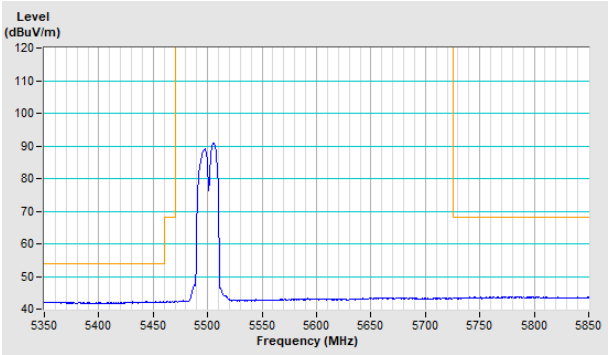
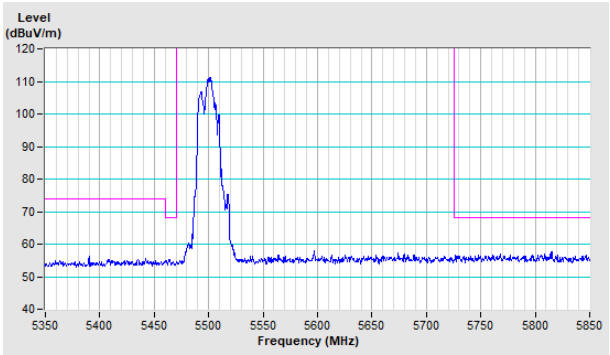
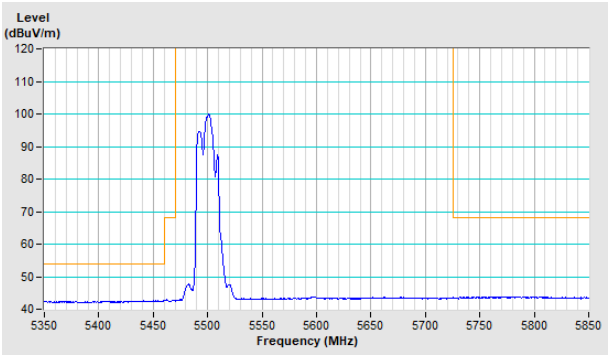
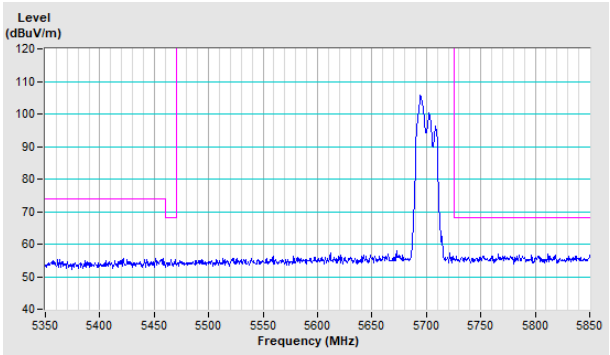
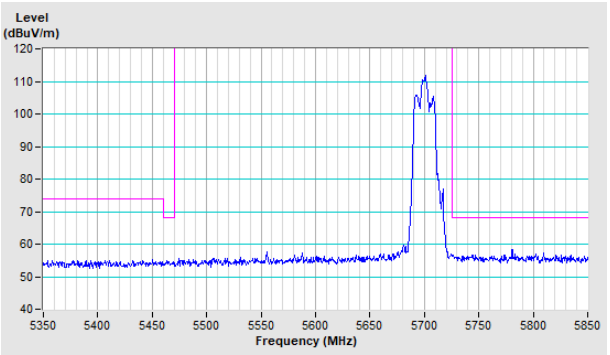
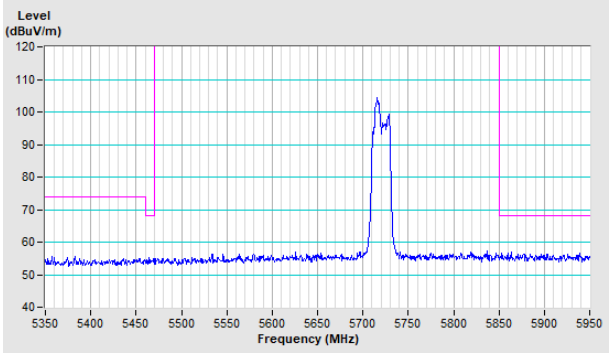
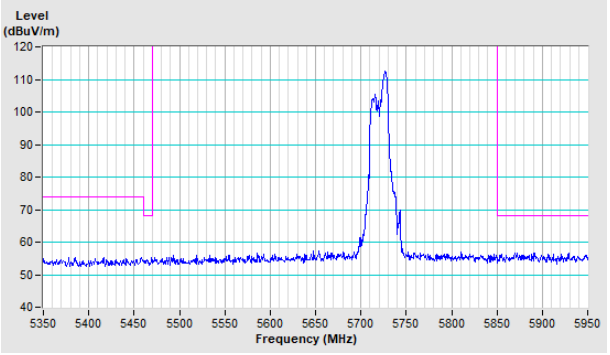
Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
Channel 48	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

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

Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
Channel 140	
Horizontal (Peak)	Vertical (Peak)
	
Channel 144	
Horizontal (Peak)	Vertical (Peak)
	

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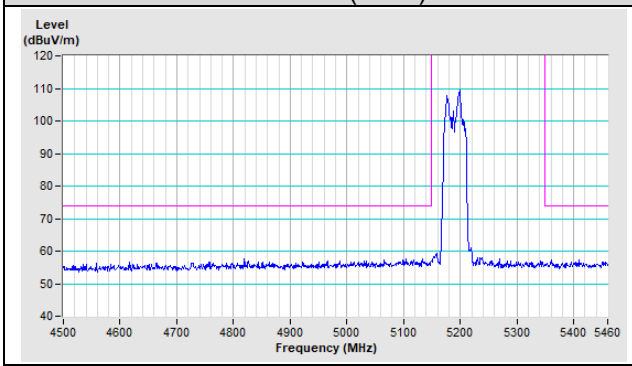
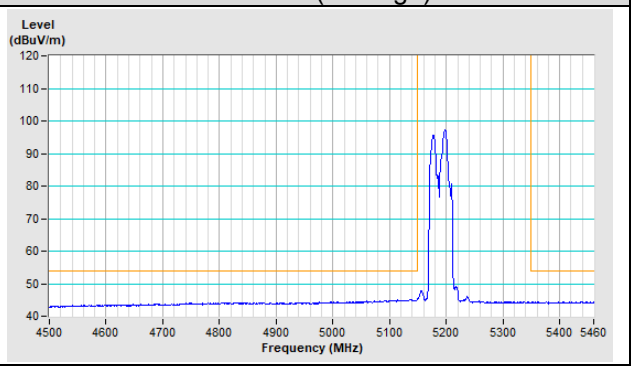
Channel 38

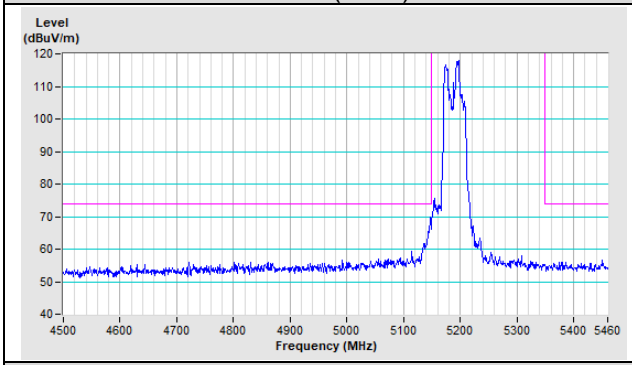
Horizontal (Peak)



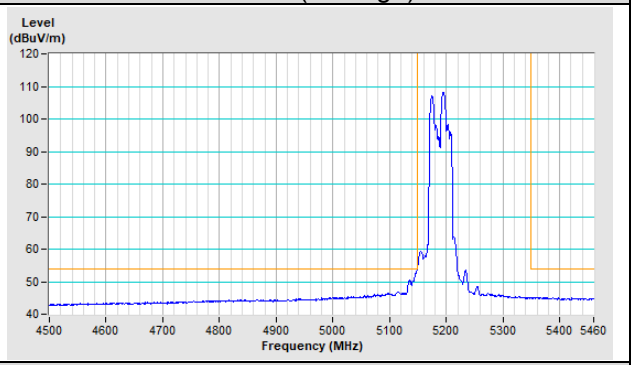
Horizontal (Average)



Vertical (Peak)

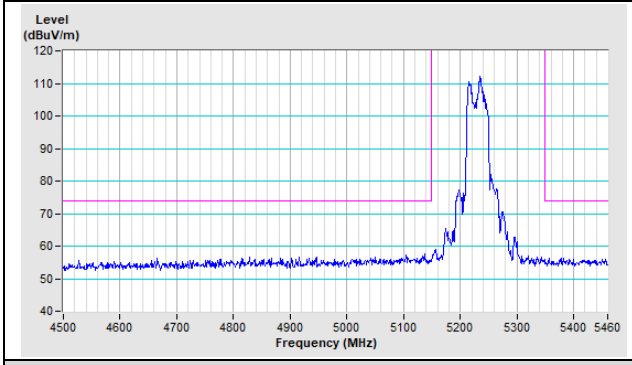


Vertical (Average)

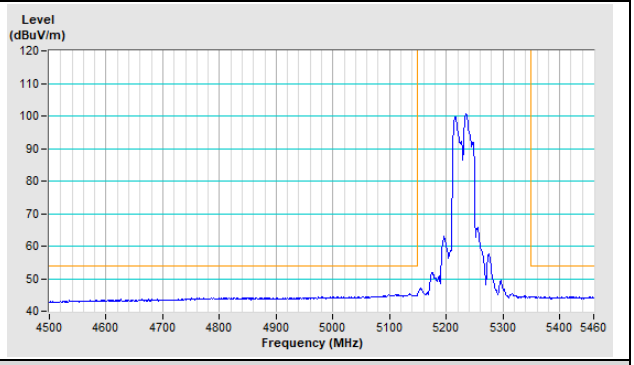


Channel 46

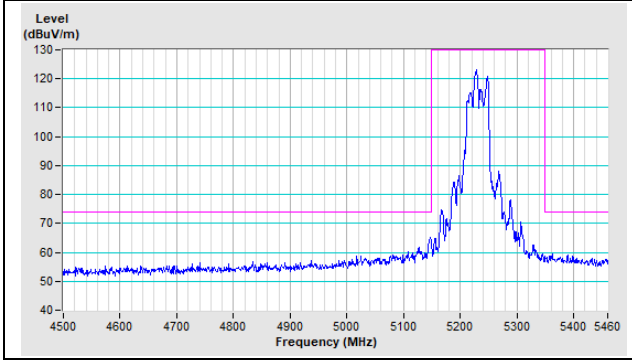
Horizontal (Peak)



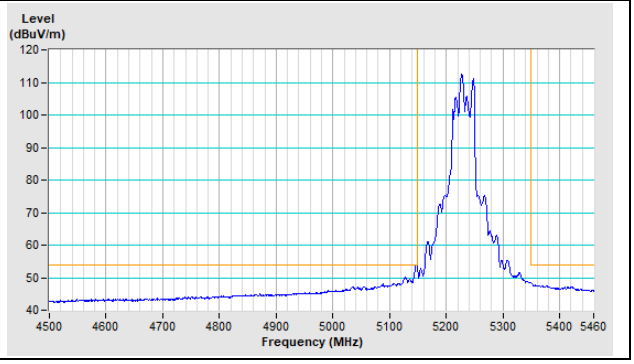
Horizontal (Average)

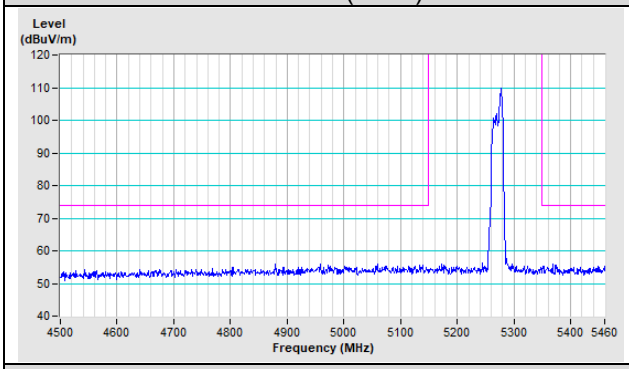
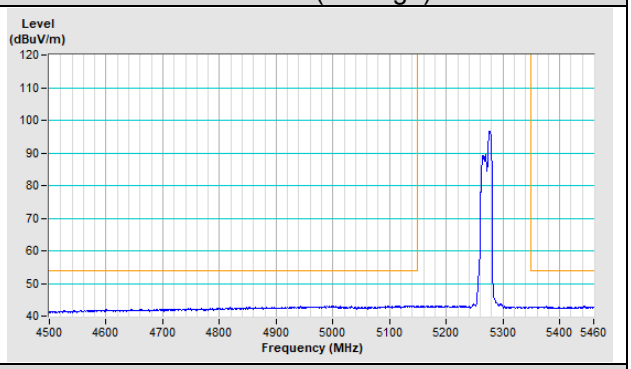
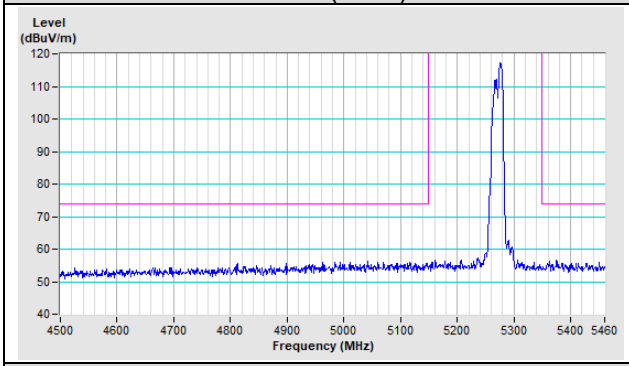
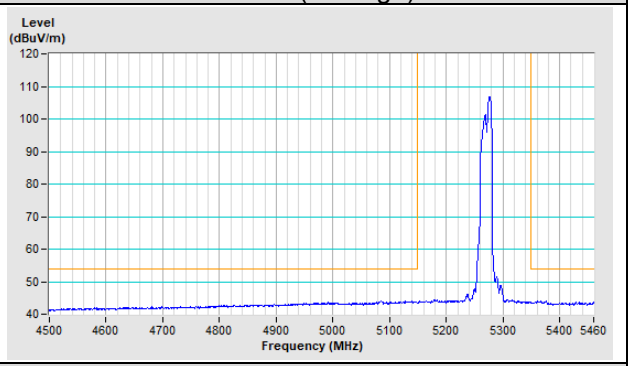
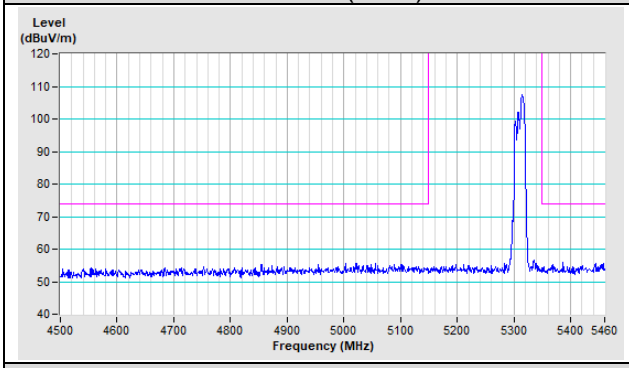
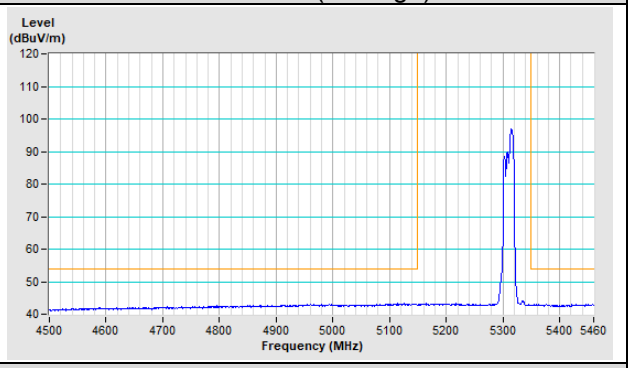
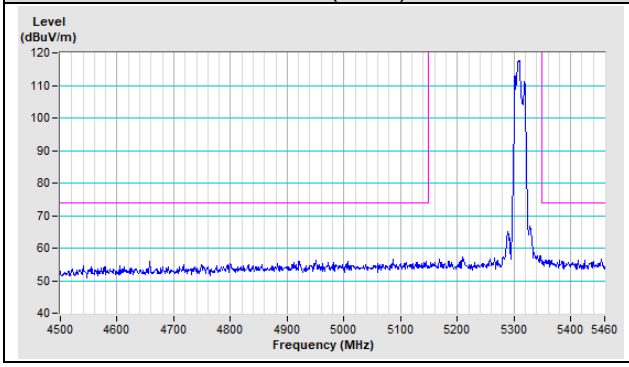
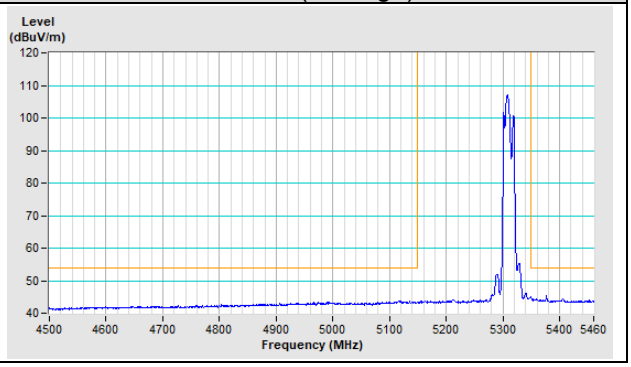


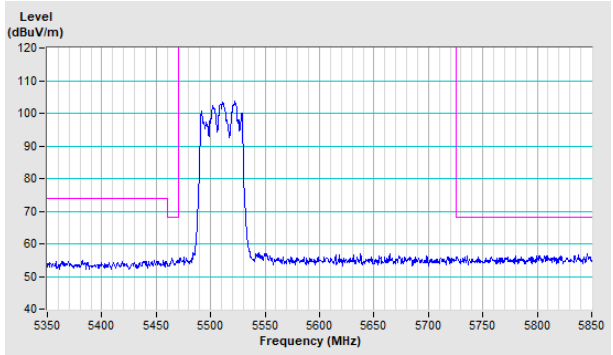
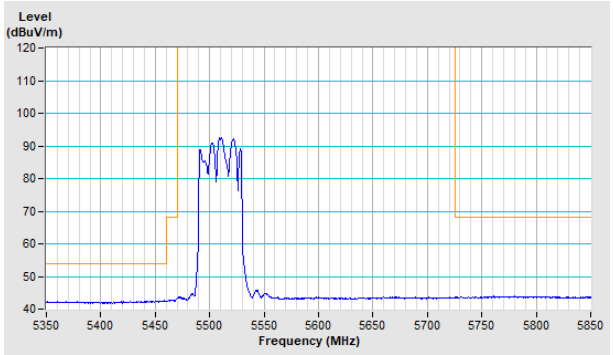
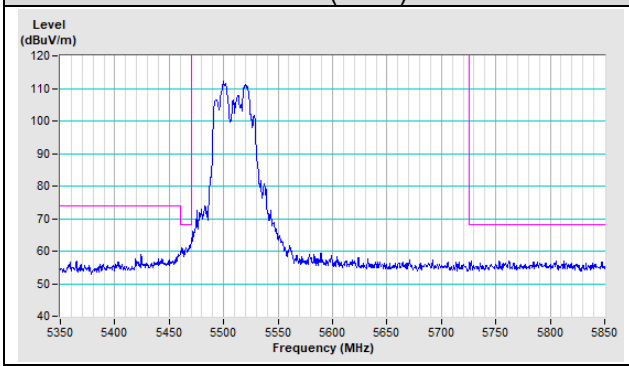
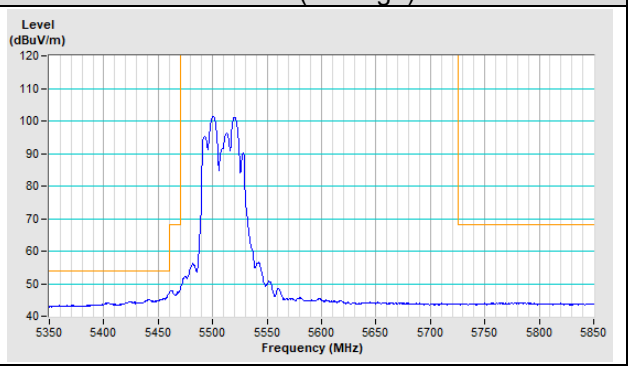
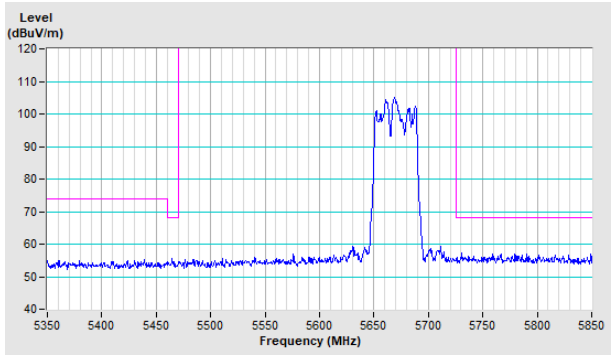
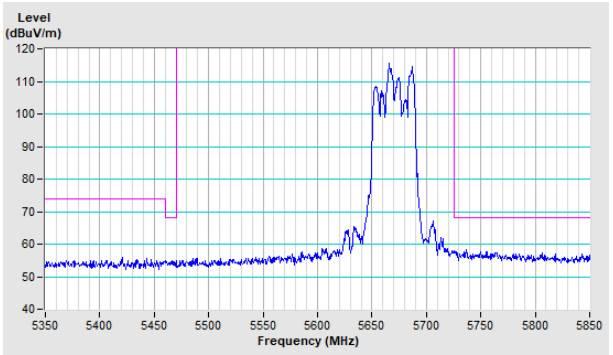
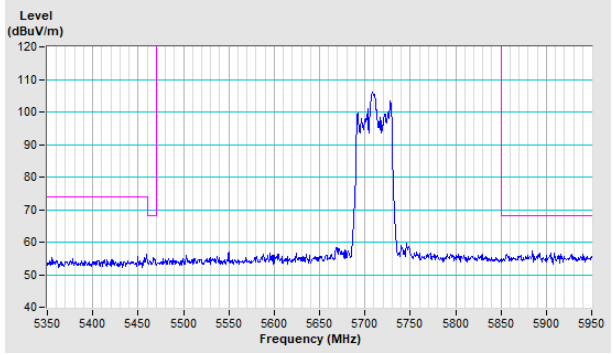
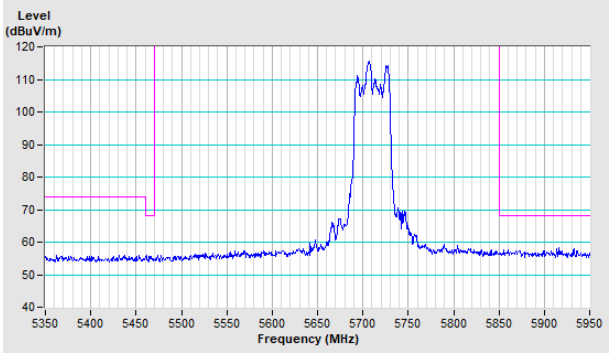
Vertical (Peak)



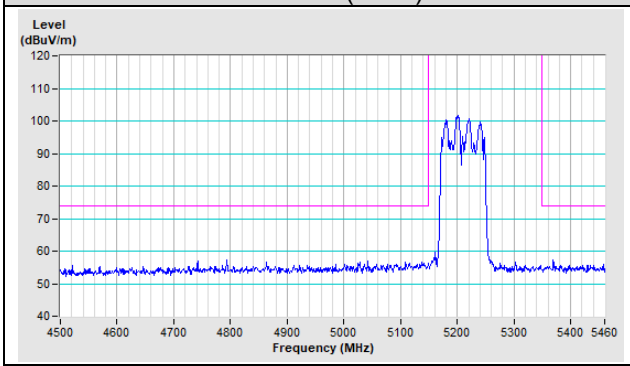
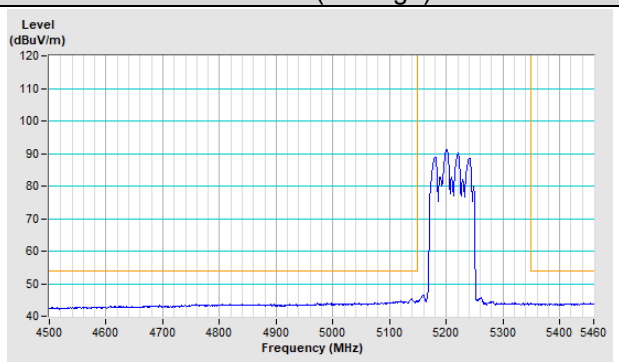
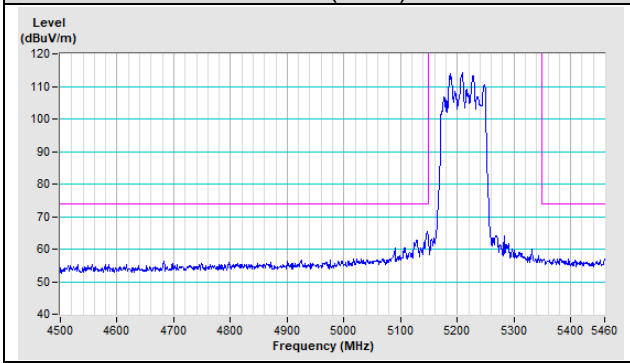
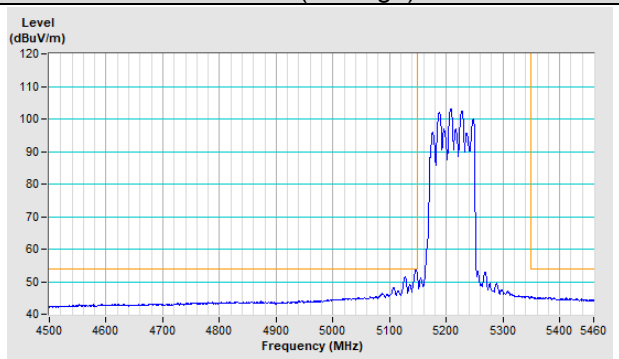
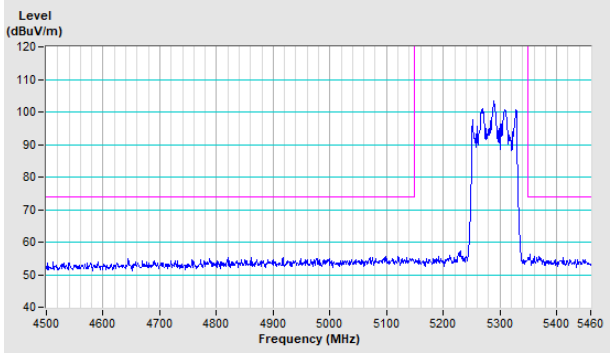
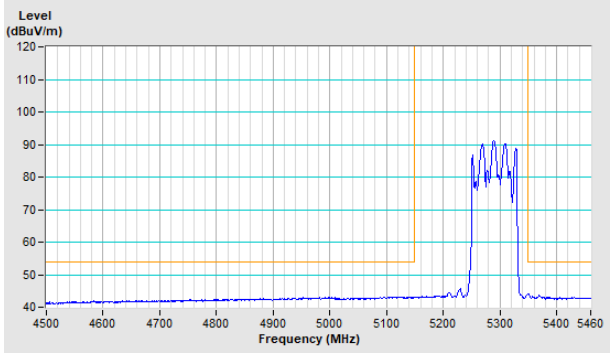
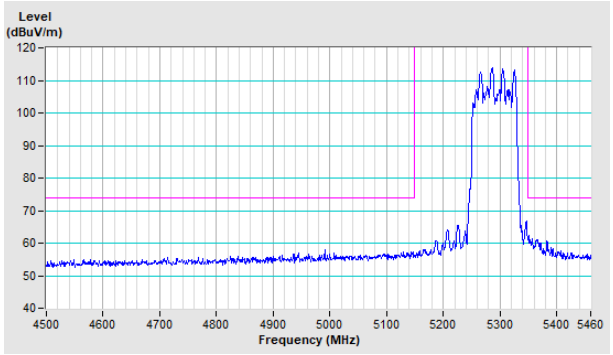
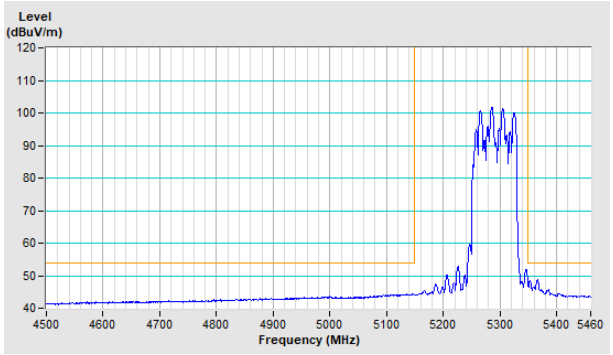
Vertical (Average)

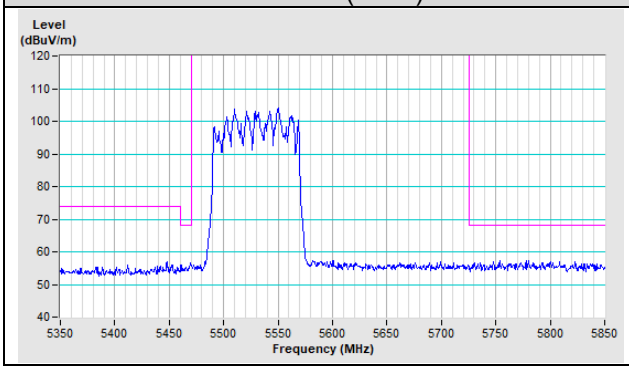
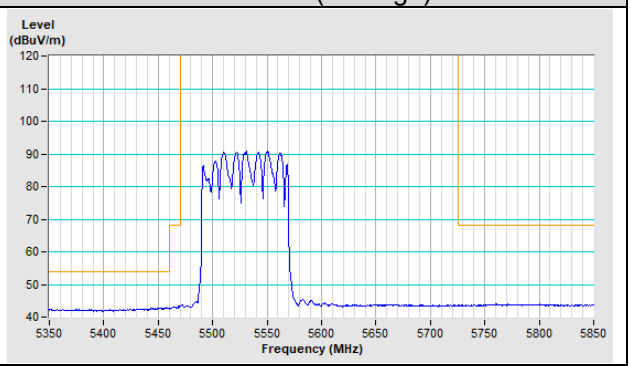
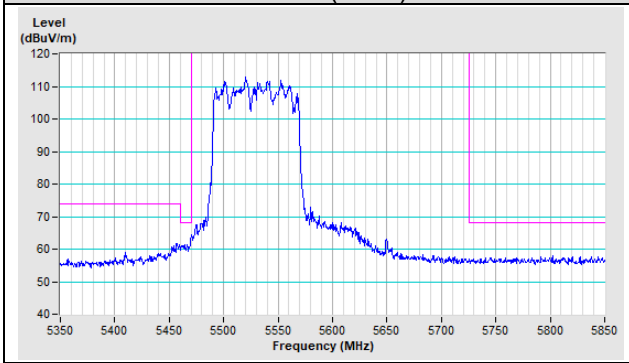
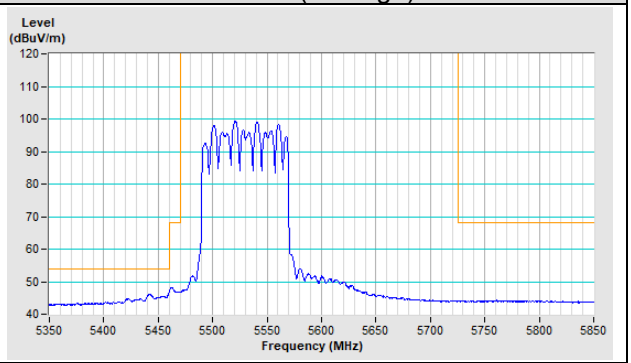
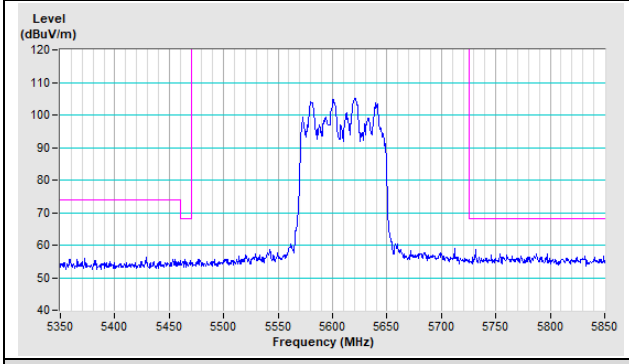
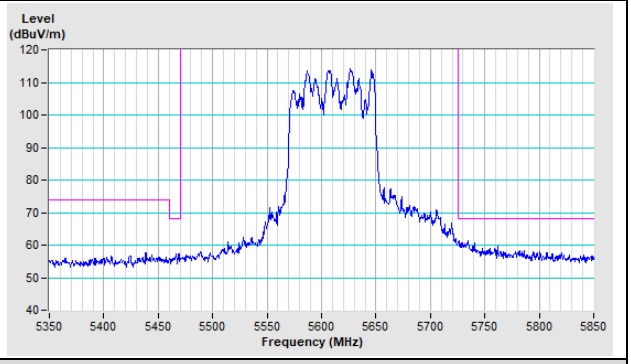
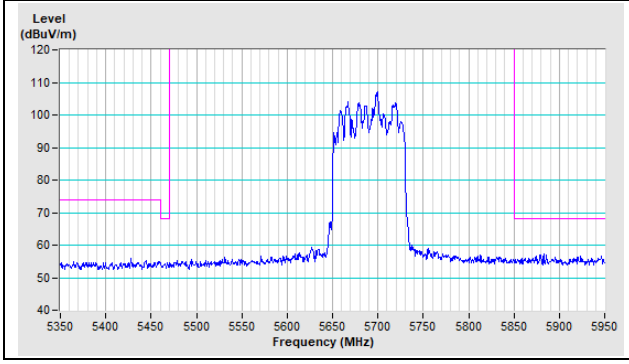
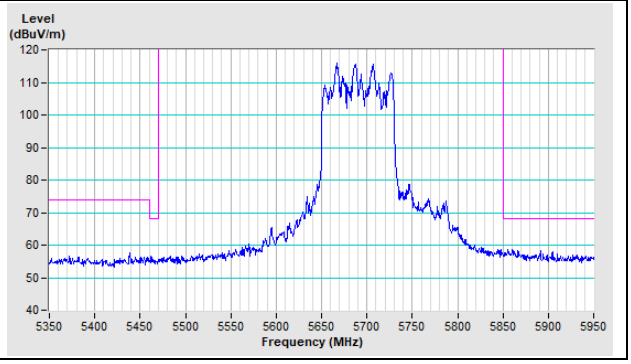


Channel 54	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
Channel 62	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Channel 102	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
Channel 134	
Horizontal (Peak)	Vertical (Peak)
	
Channel 142	
Horizontal (Peak)	Vertical (Peak)
	

802.11ax (HE80)

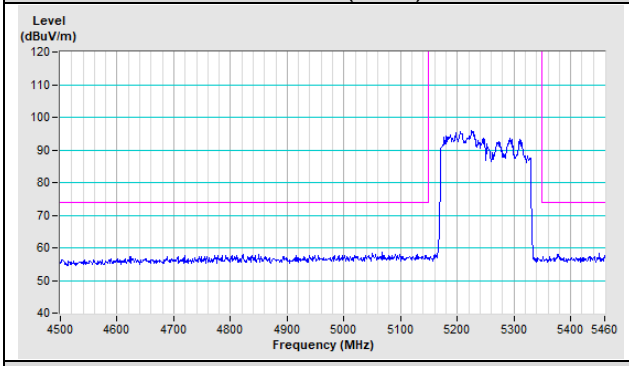
Channel 42	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
Channel 58	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Channel 106	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
Channel 122	
Horizontal (Peak)	Vertical (Peak)
	
Channel 138	
Horizontal (Peak)	Vertical (Peak)
	

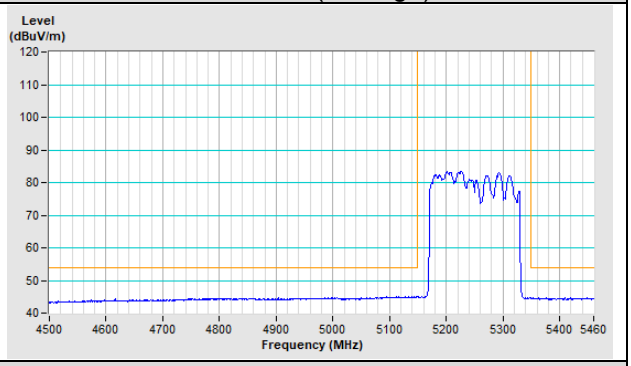
802.11ax (HE80+80)

Channel 42+58

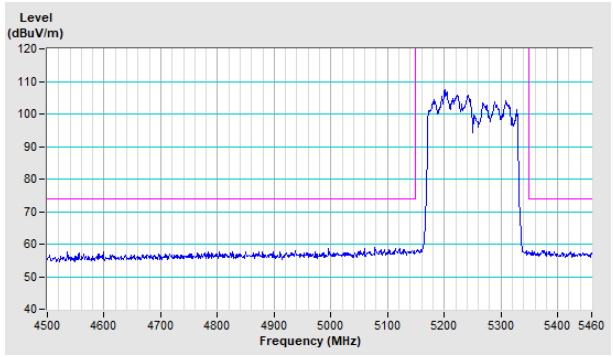
Horizontal (Peak)



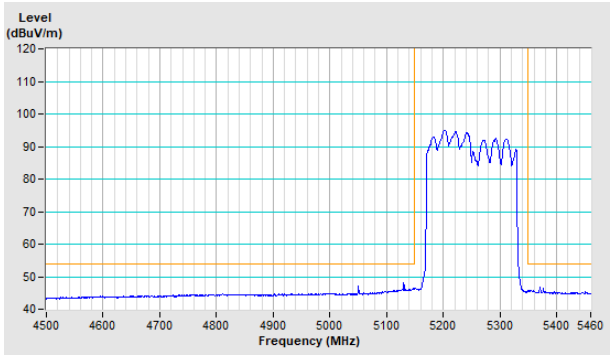
Horizontal (Average)



Vertical (Peak)

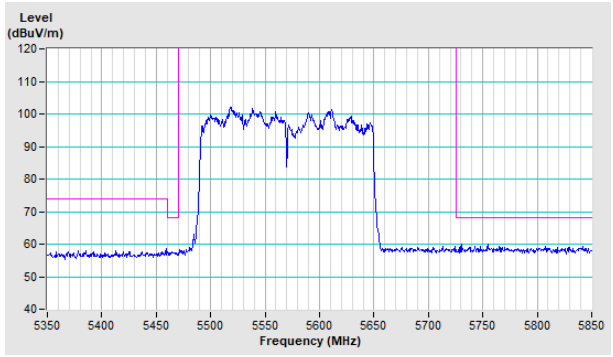


Vertical (Average)

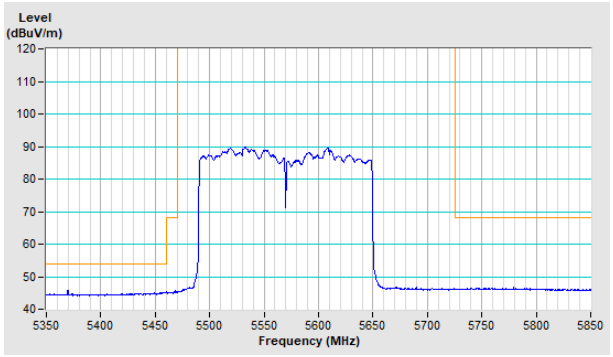


Channel 106+122

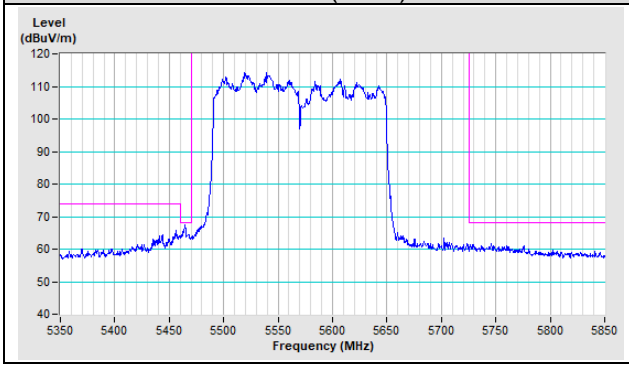
Horizontal (Peak)



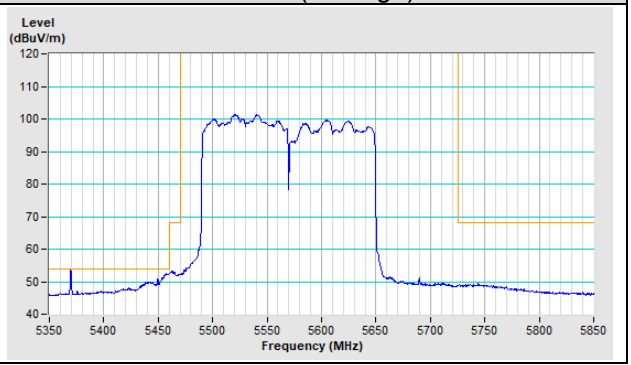
Horizontal (Average)



Vertical (Peak)

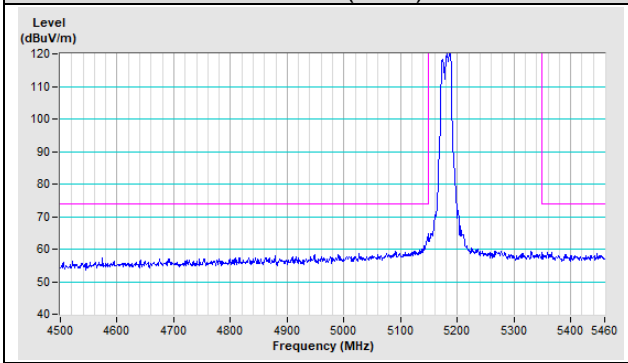
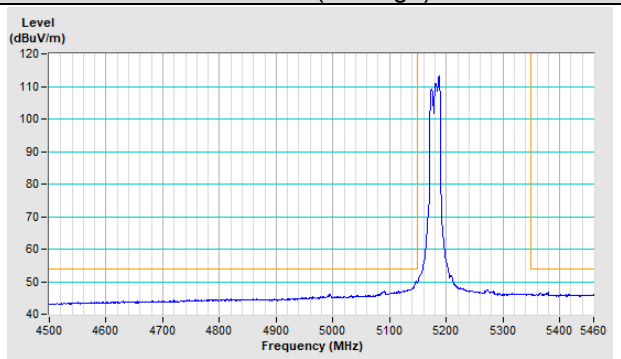
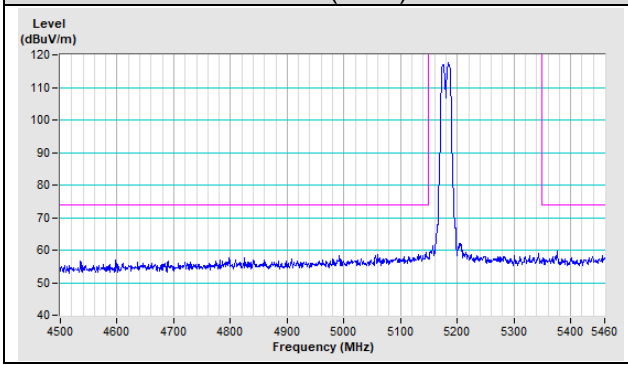
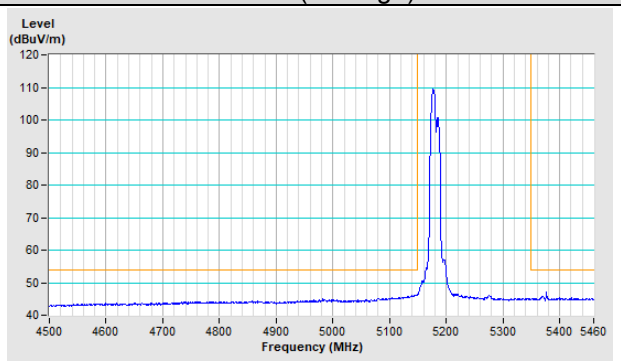


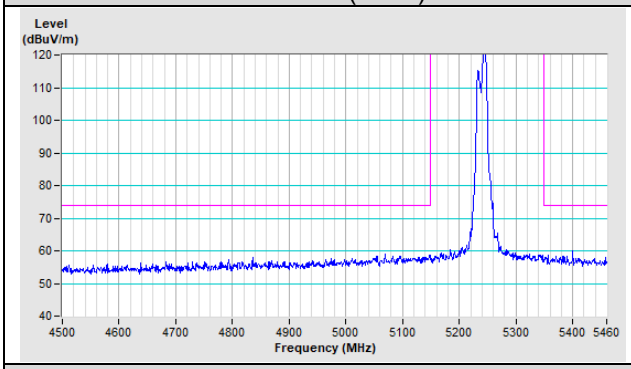
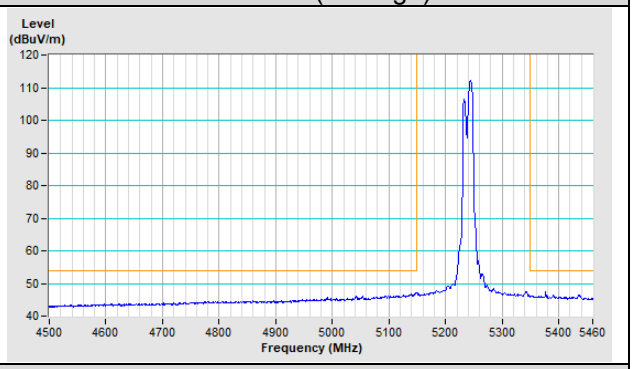
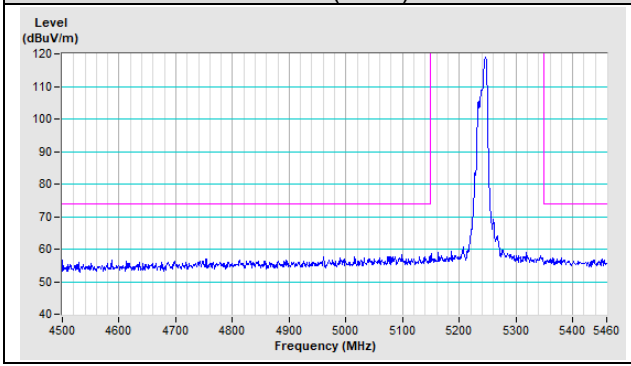
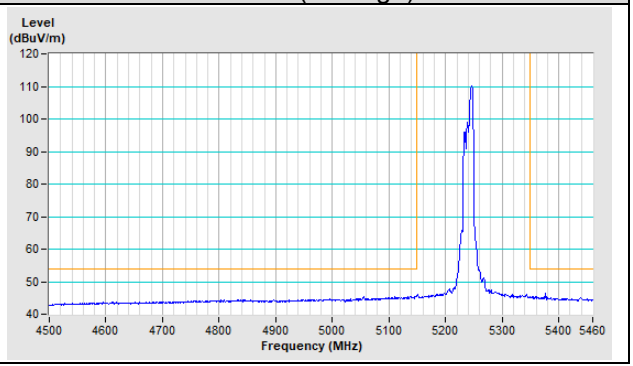
Vertical (Average)

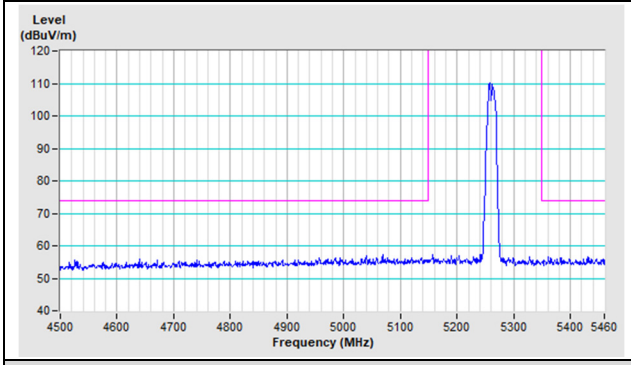
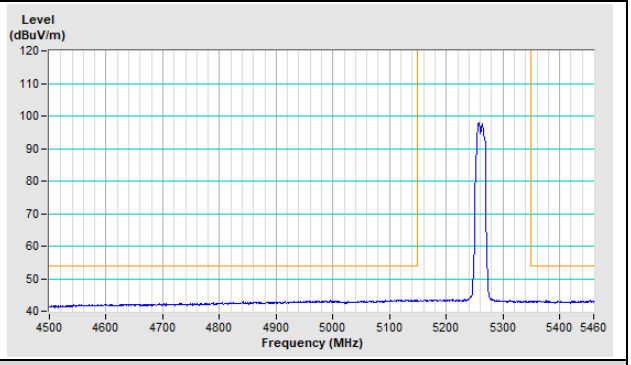
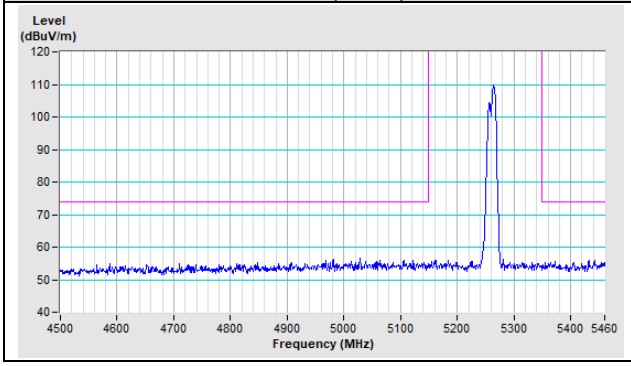
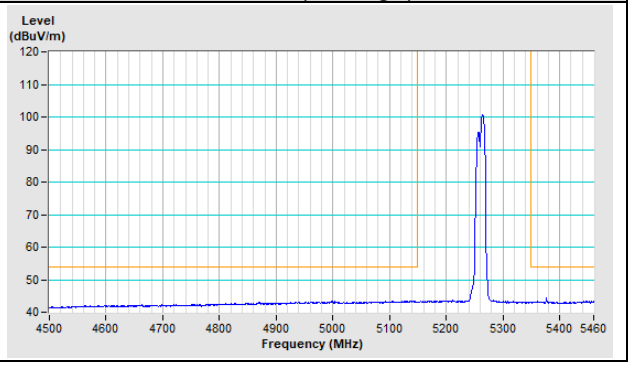


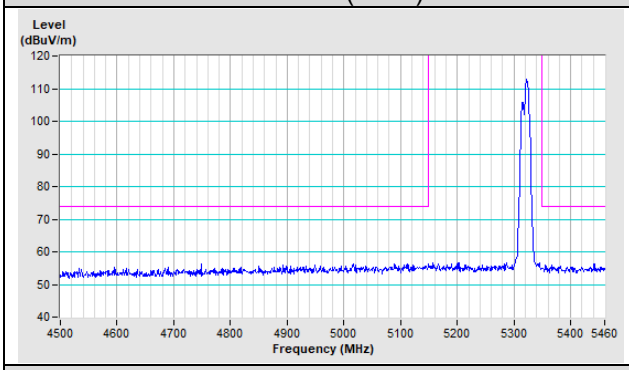
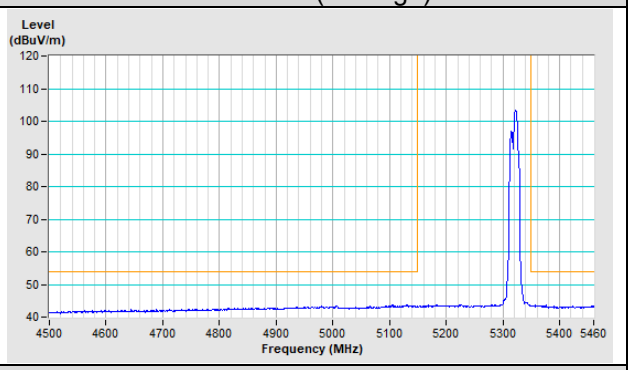
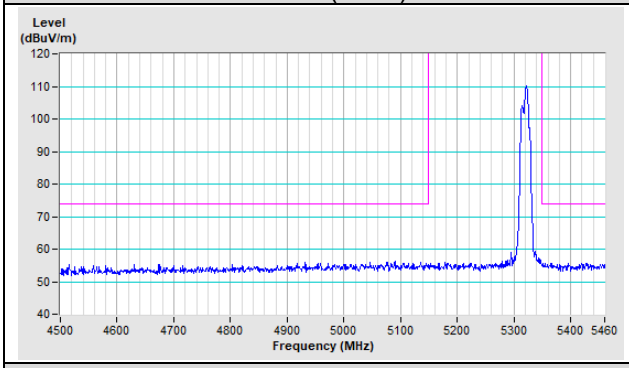
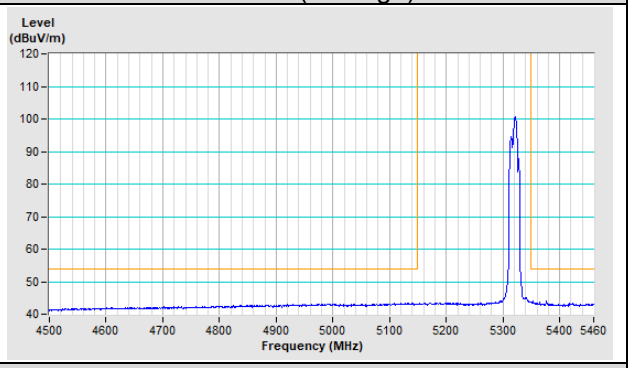
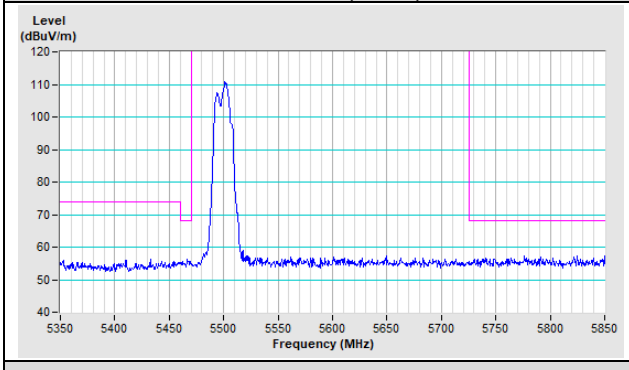
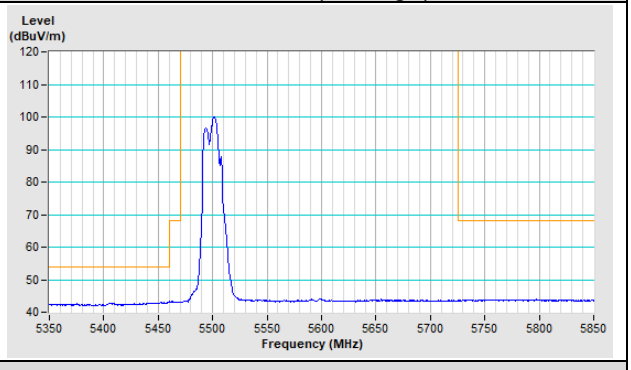
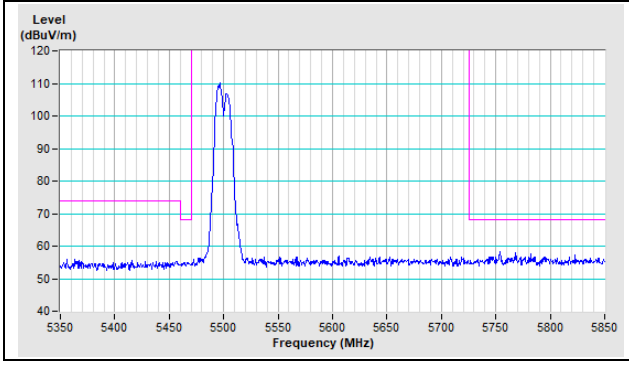
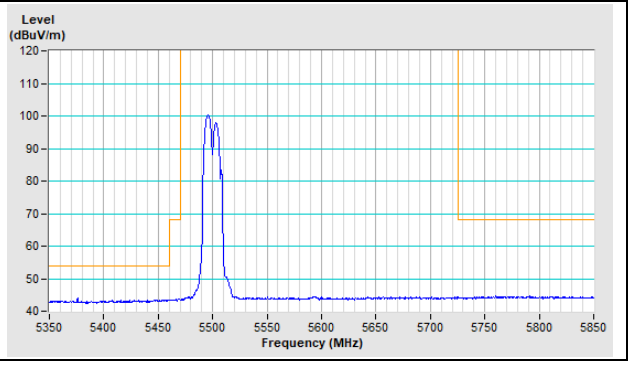
Test Mode C

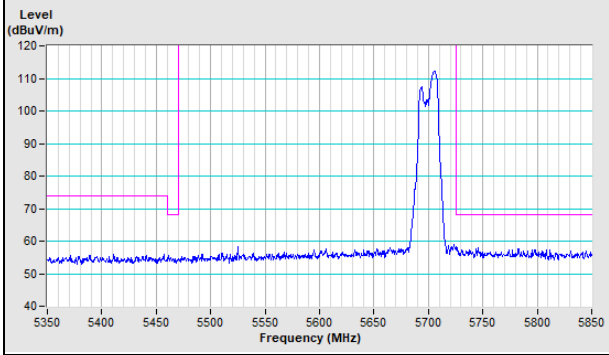
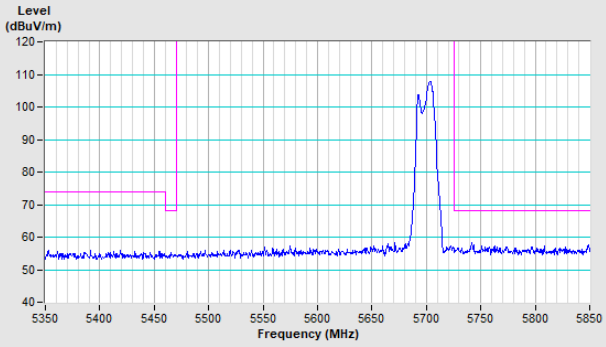
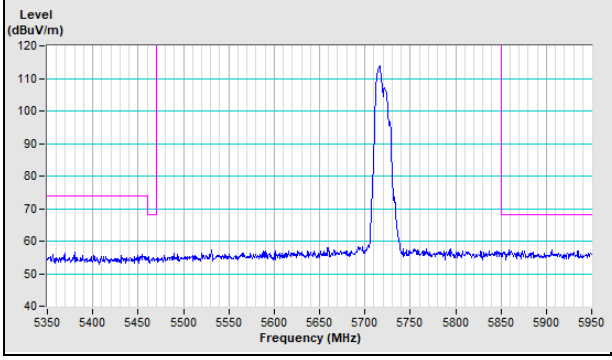
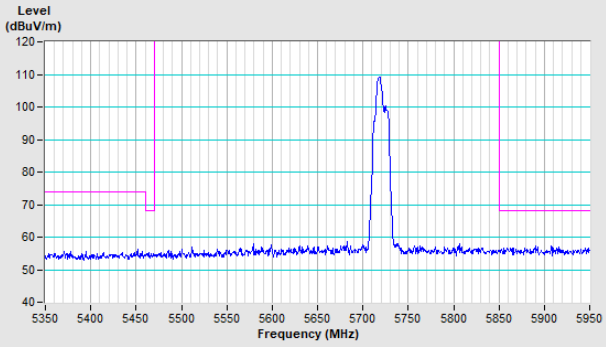
802.11a

Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Channel 48	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Channel 52	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

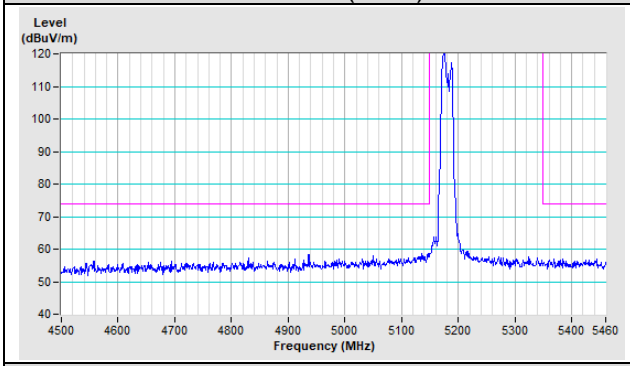
Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Channel 140	
Horizontal (Peak)	Vertical (Peak)
	
Channel 144	
Horizontal (Peak)	Vertical (Peak)
	

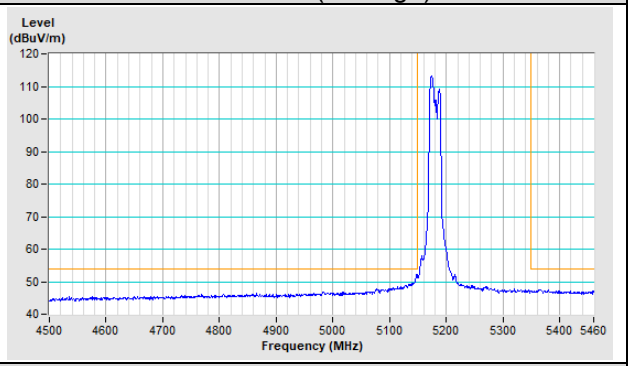
802.11ax (HE20)

Channel 36

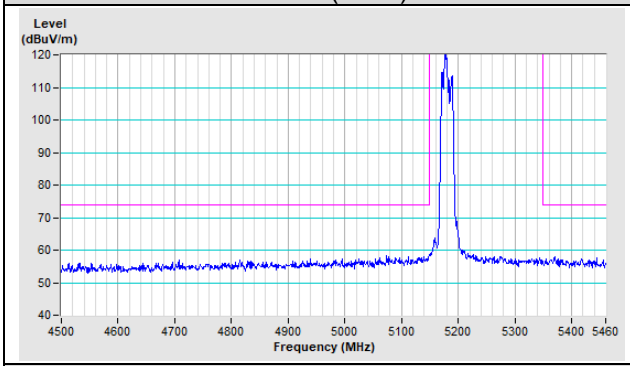
Horizontal (Peak)



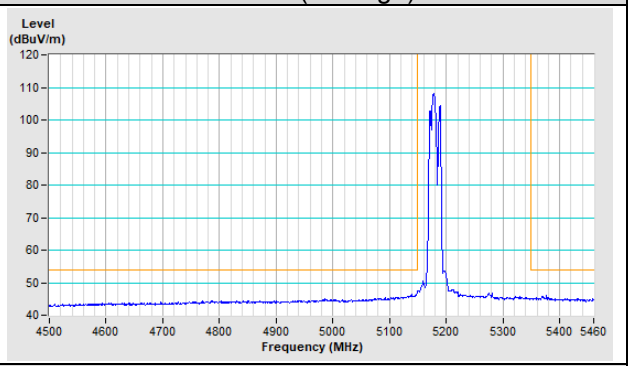
Horizontal (Average)



Vertical (Peak)

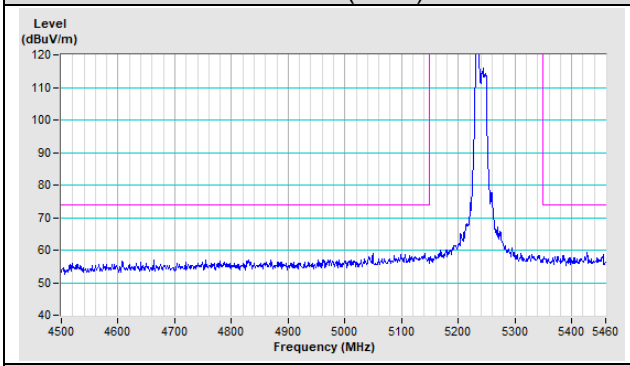


Vertical (Average)

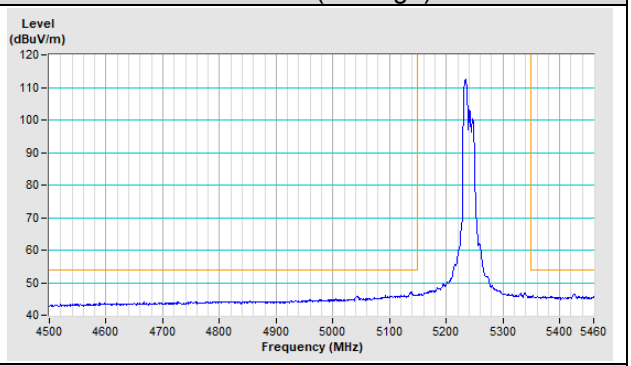


Channel 48

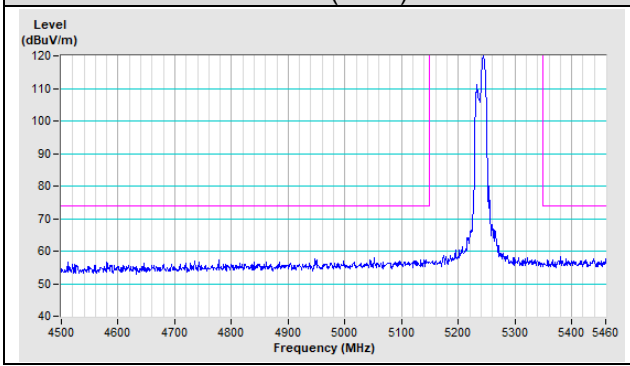
Horizontal (Peak)



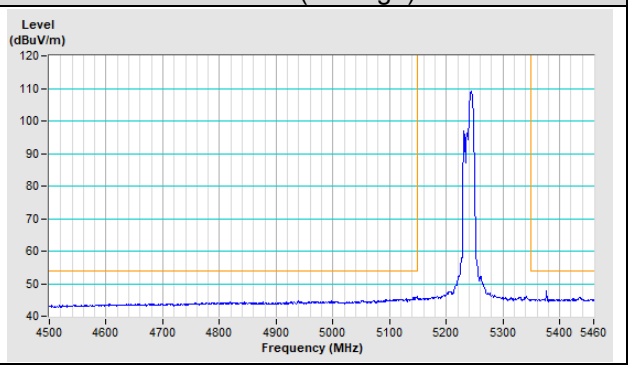
Horizontal (Average)

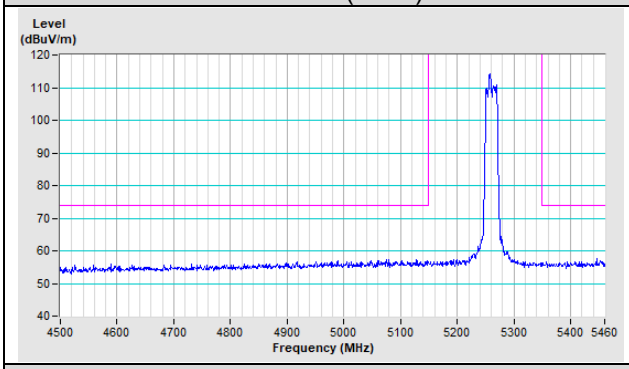
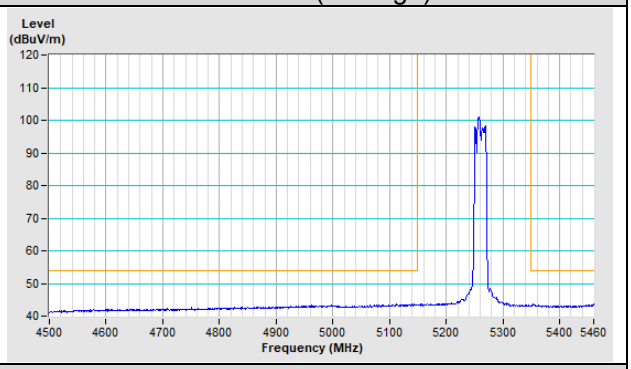
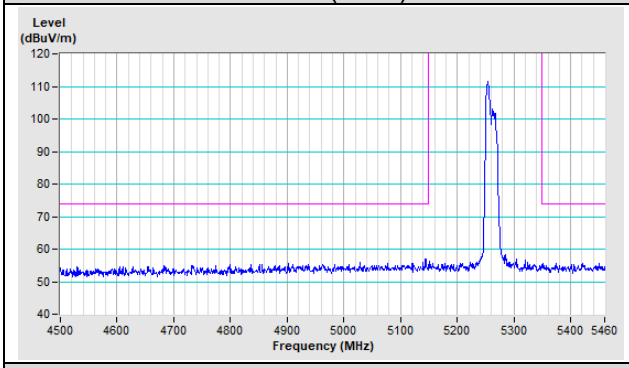
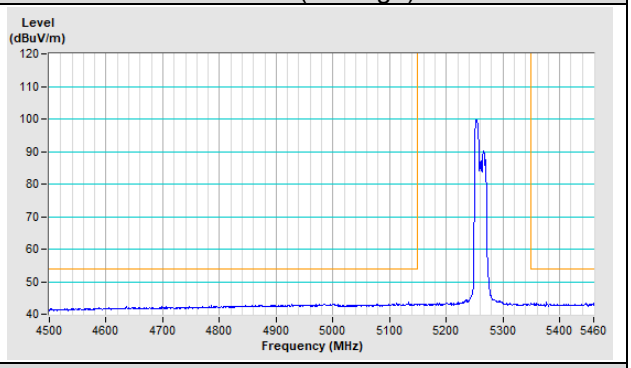
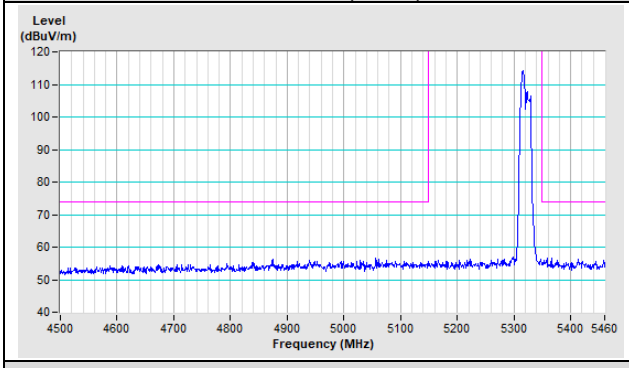
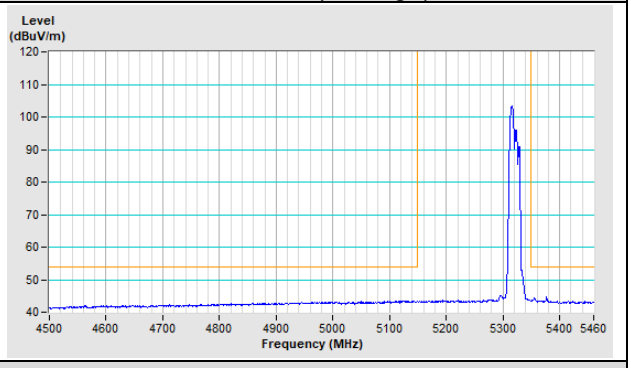
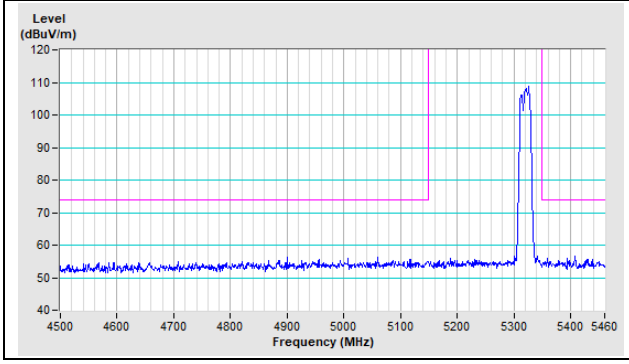
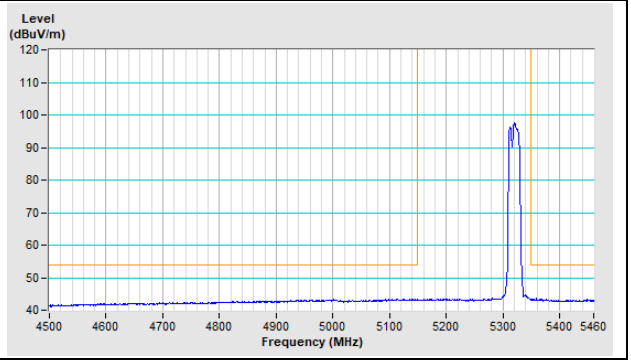


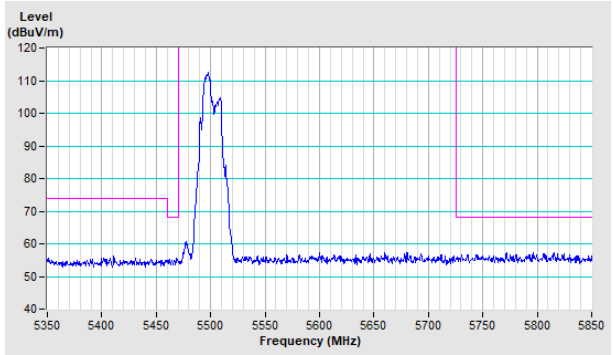
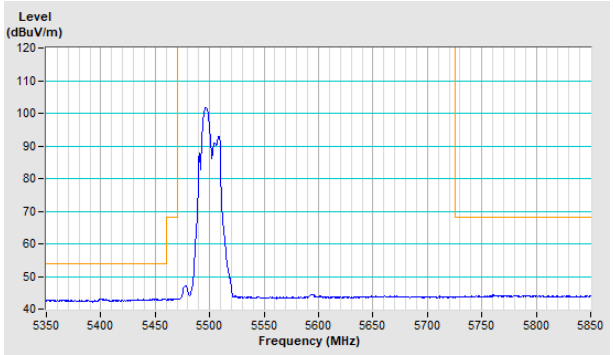
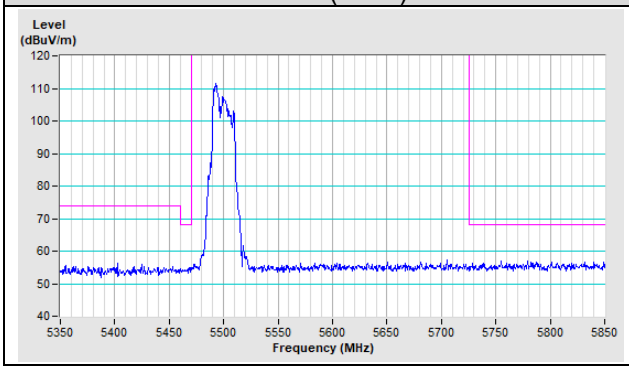
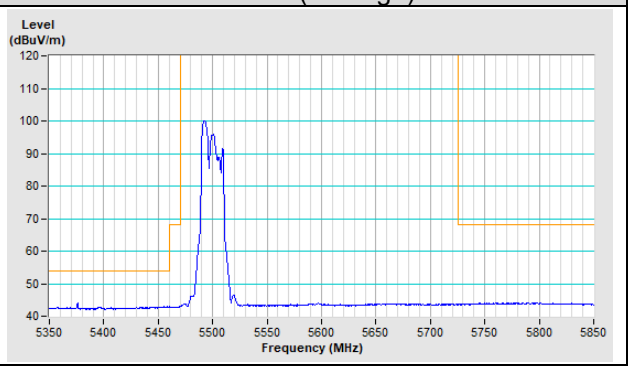
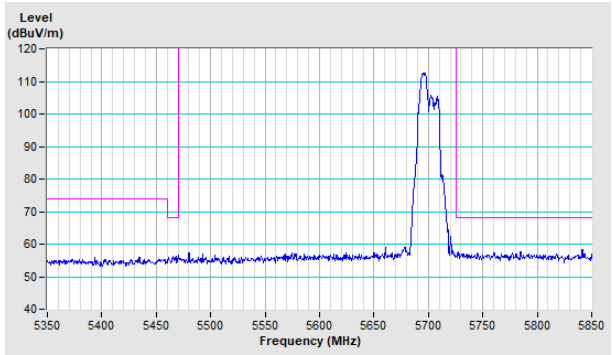
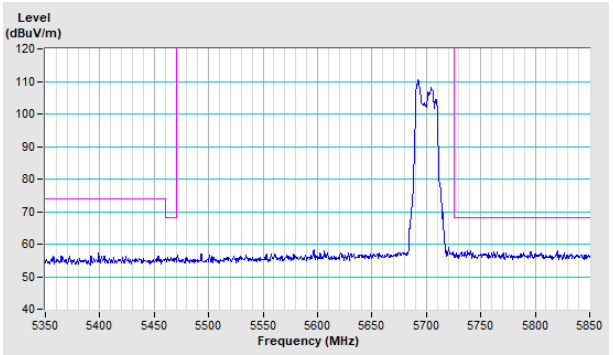
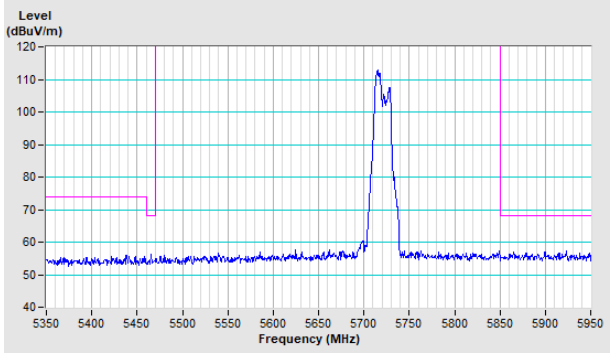
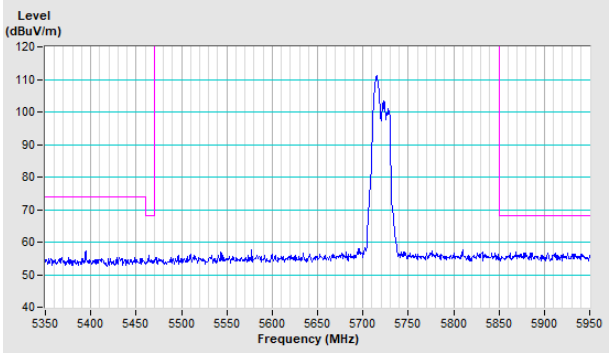
Vertical (Peak)



Vertical (Average)



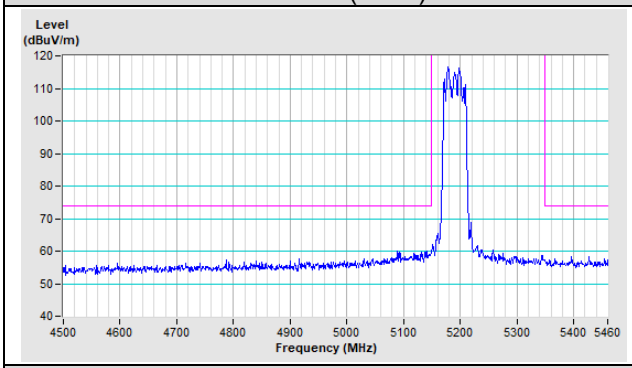
Channel 52	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
Channel 140	
Horizontal (Peak)	Vertical (Peak)
	
Channel 144	
Horizontal (Peak)	Vertical (Peak)
	

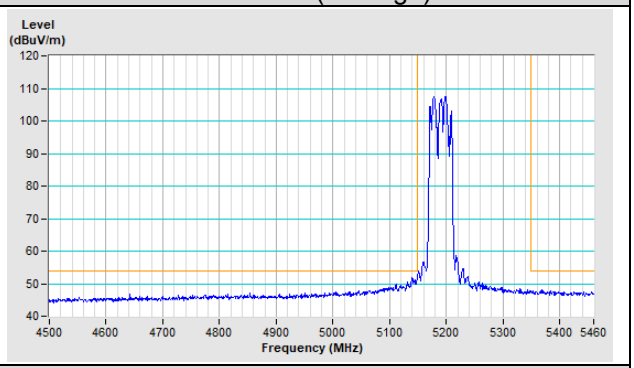
802.11ax (HE40)

Channel 38

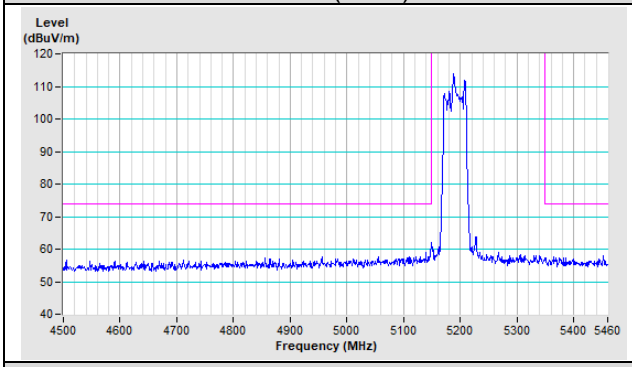
Horizontal (Peak)



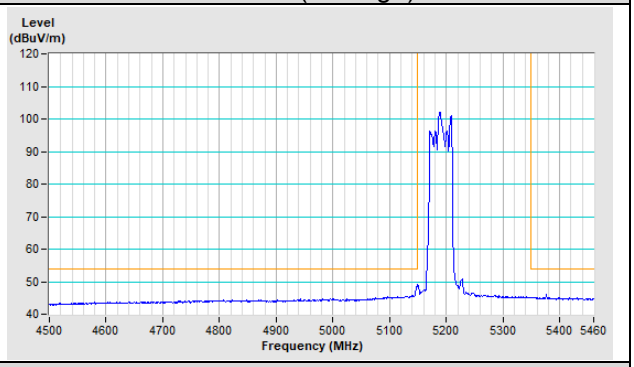
Horizontal (Average)



Vertical (Peak)

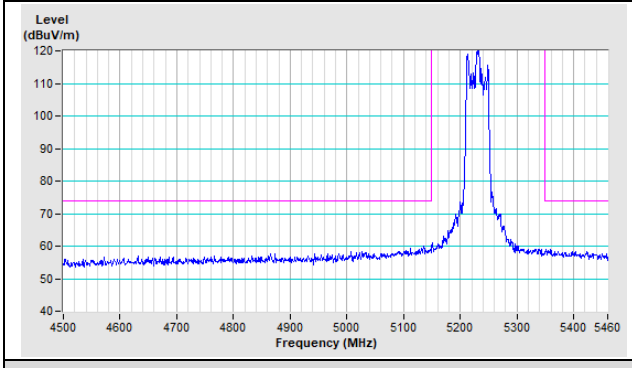


Vertical (Average)

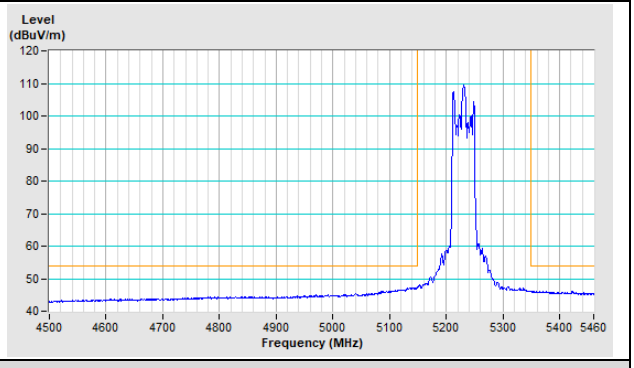


Channel 46

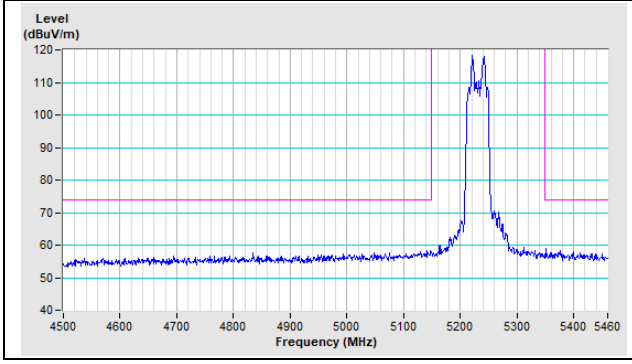
Horizontal (Peak)



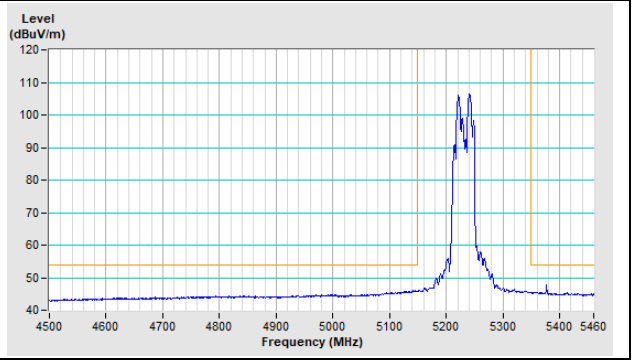
Horizontal (Average)

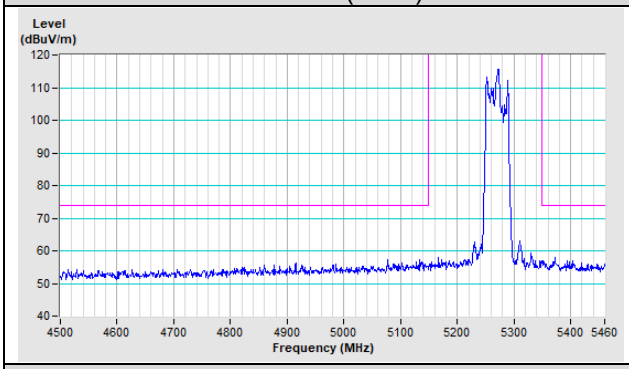
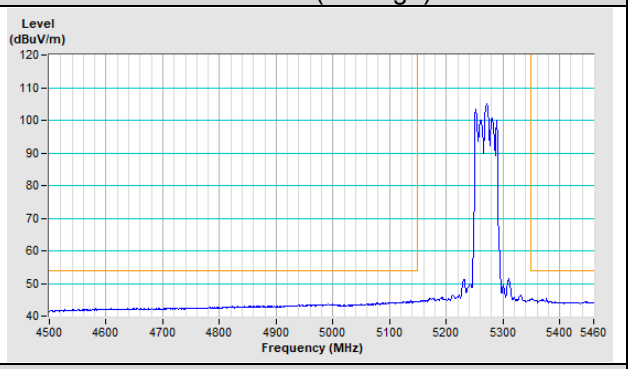
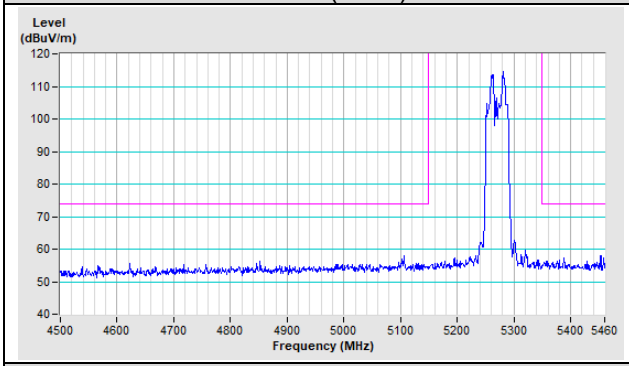
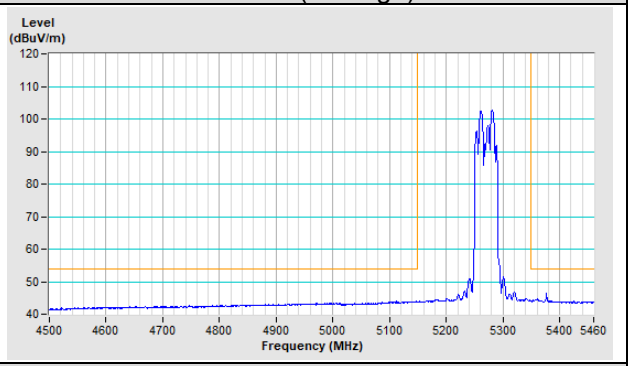
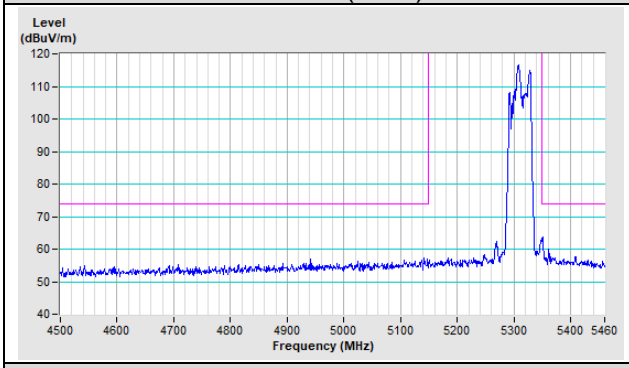
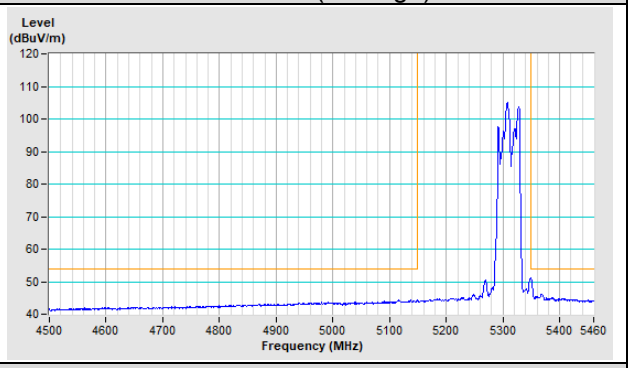
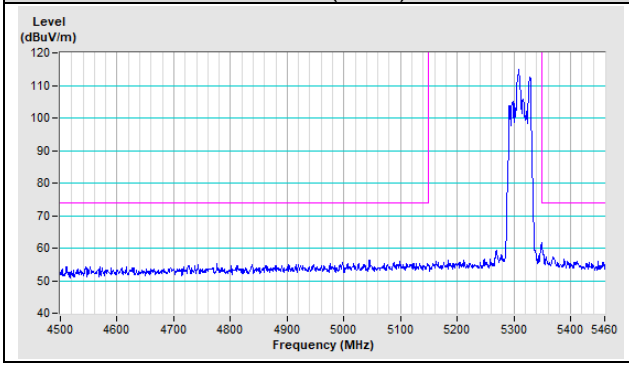
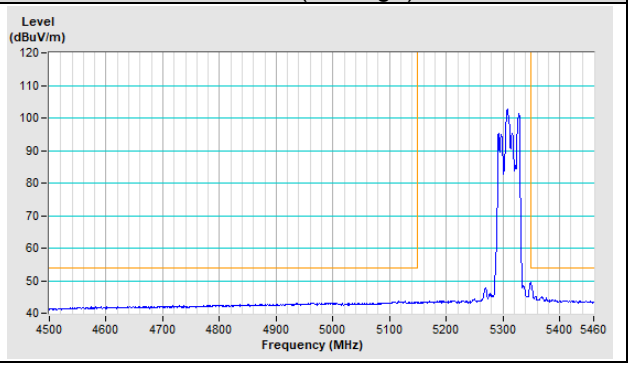


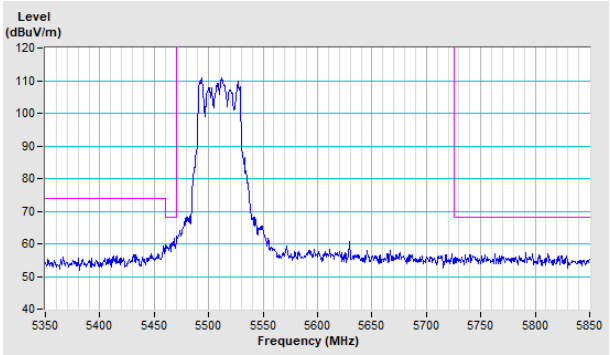
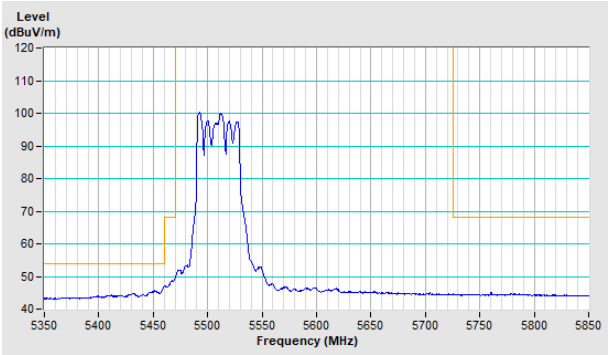
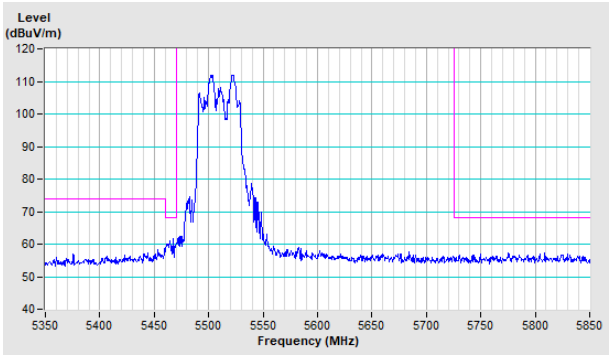
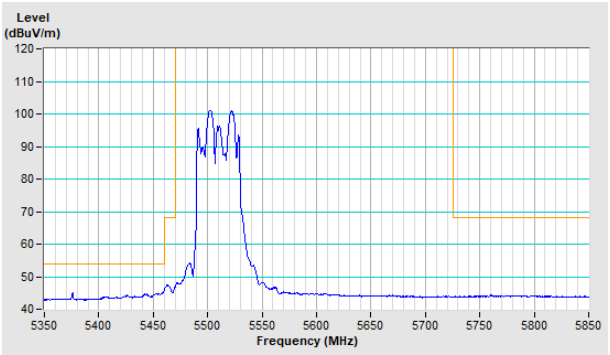
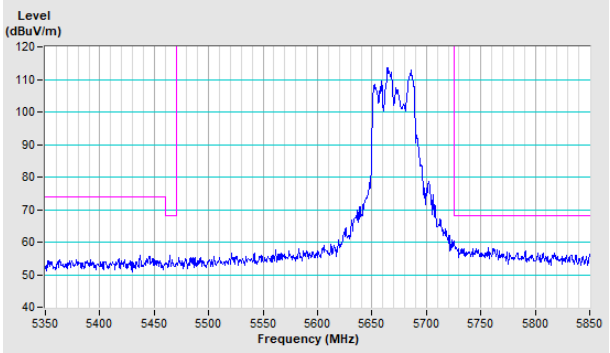
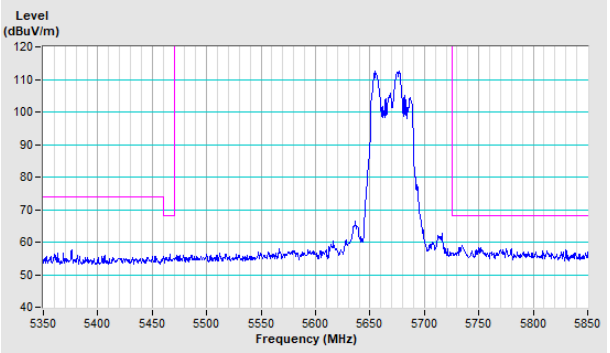
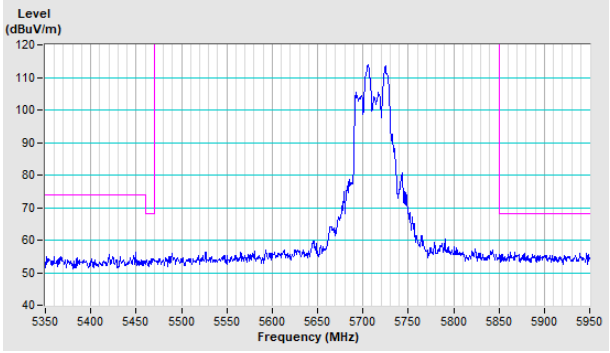
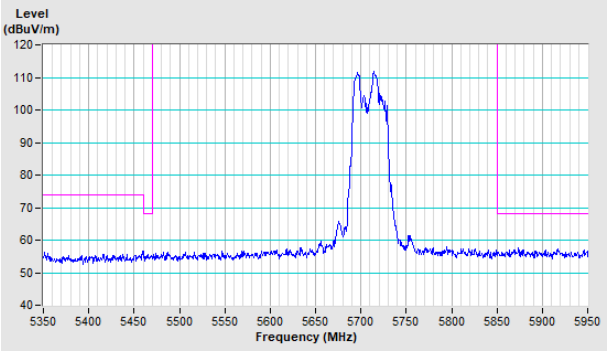
Vertical (Peak)



Vertical (Average)



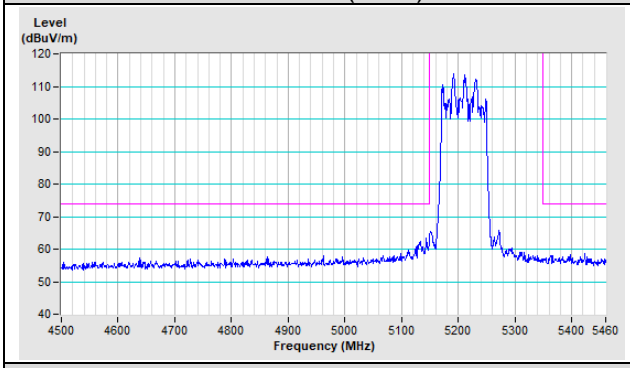
Channel 54	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
Channel 62	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Channel 102	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
Channel 134	
Horizontal (Peak)	Vertical (Peak)
	
Channel 142	
Horizontal (Peak)	Vertical (Peak)
	

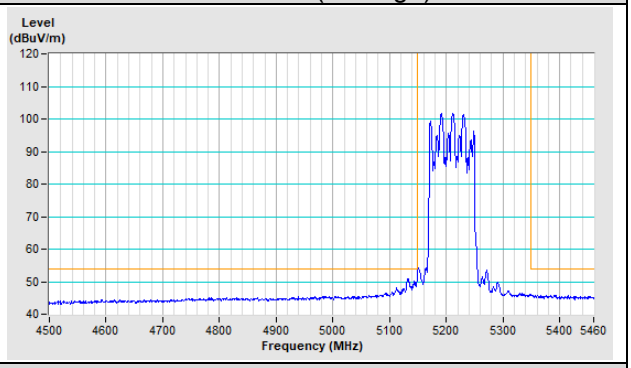
802.11ax (HE80)

Channel 42

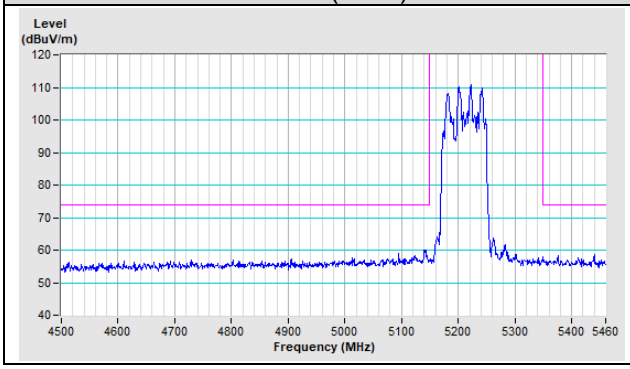
Horizontal (Peak)



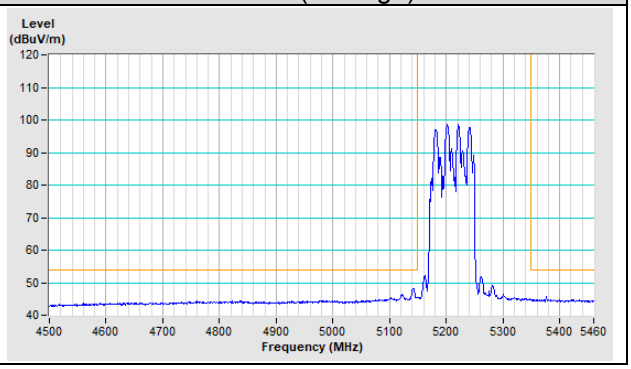
Horizontal (Average)



Vertical (Peak)

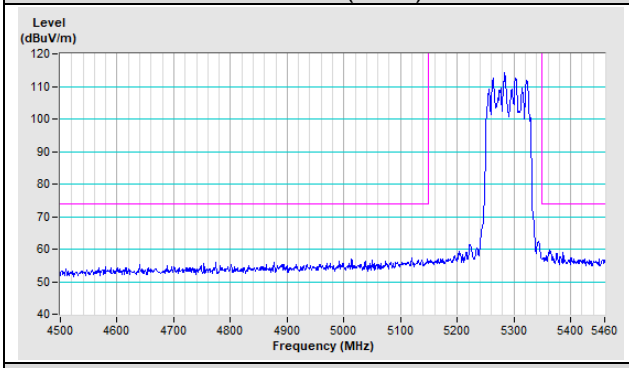


Vertical (Average)

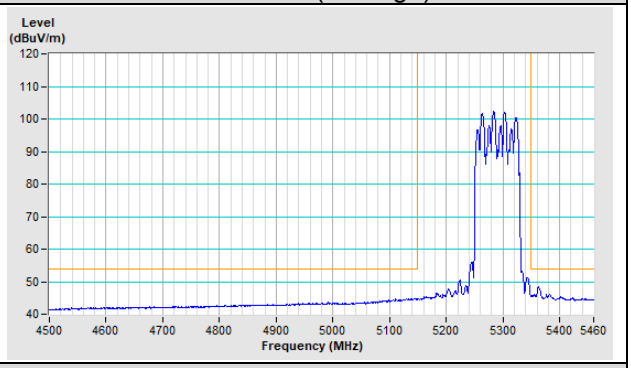


Channel 58

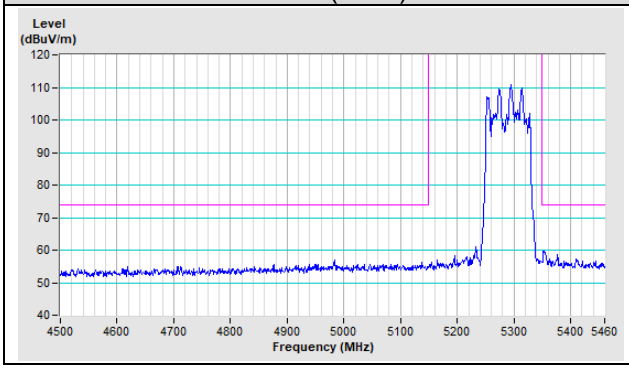
Horizontal (Peak)



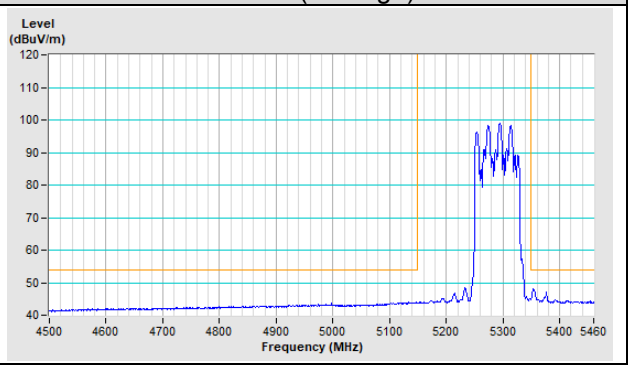
Horizontal (Average)

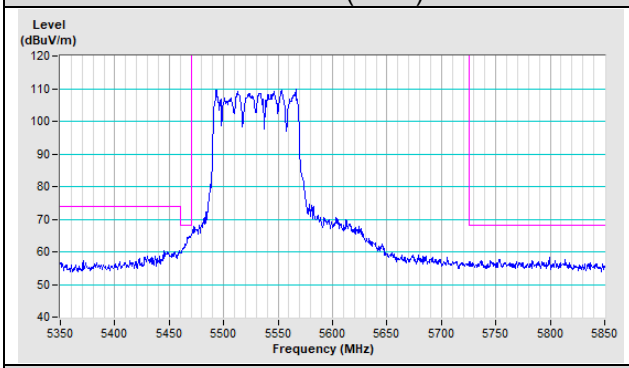
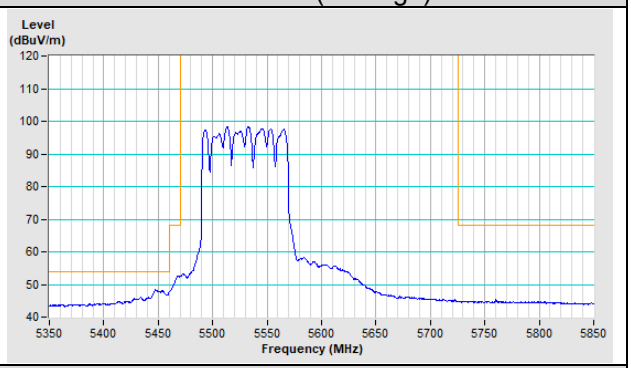
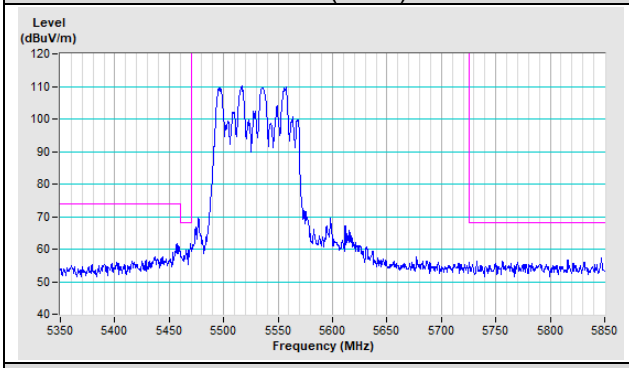
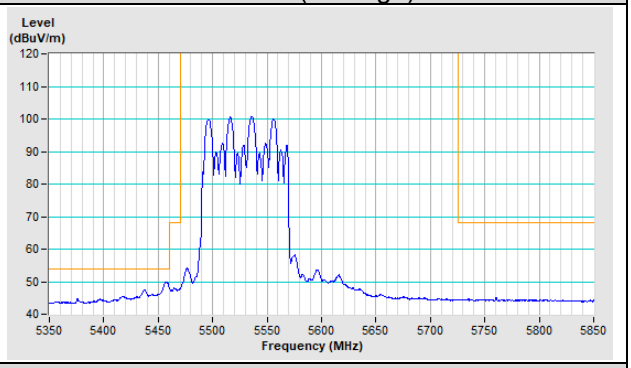
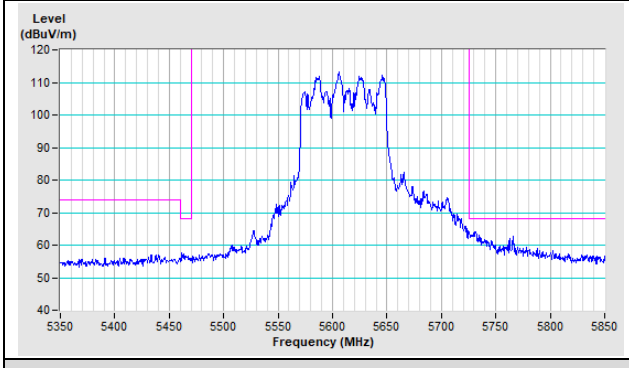
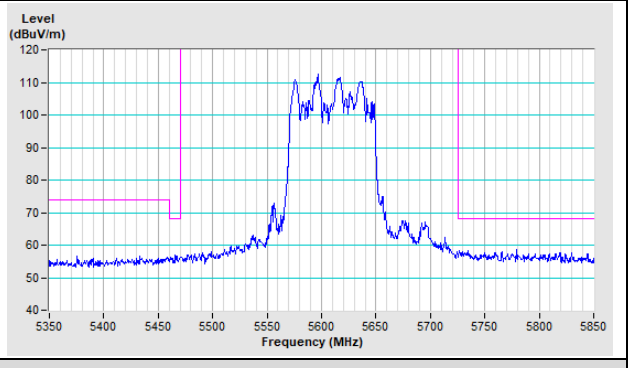
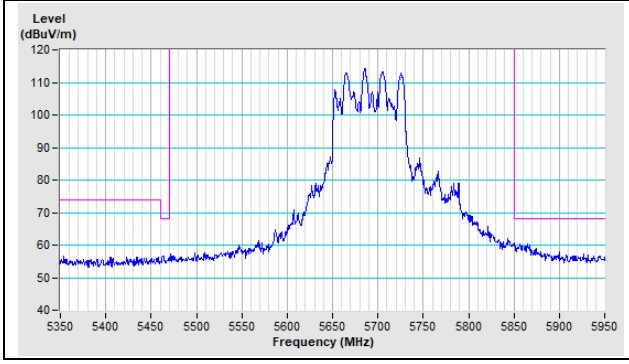
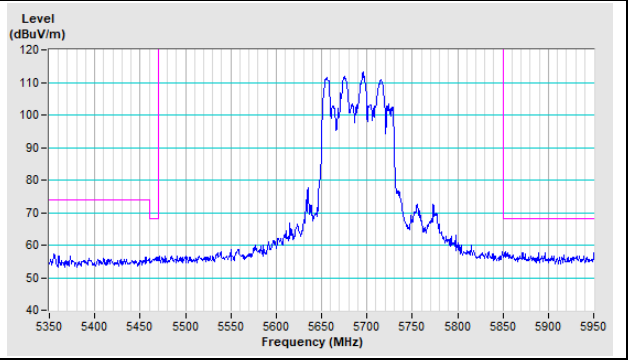


Vertical (Peak)



Vertical (Average)

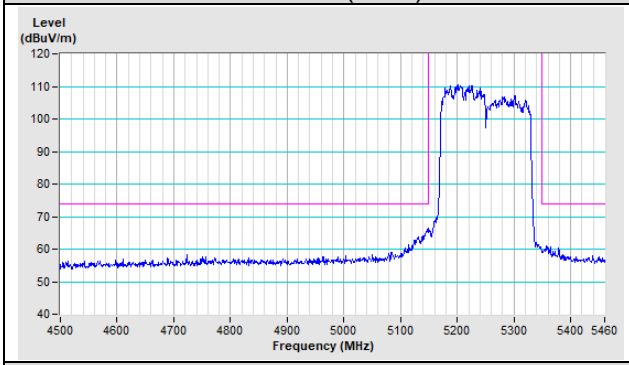


Channel 106	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
Channel 122	
Horizontal (Peak)	Vertical (Peak)
	
Channel 138	
Horizontal (Peak)	Vertical (Peak)
	

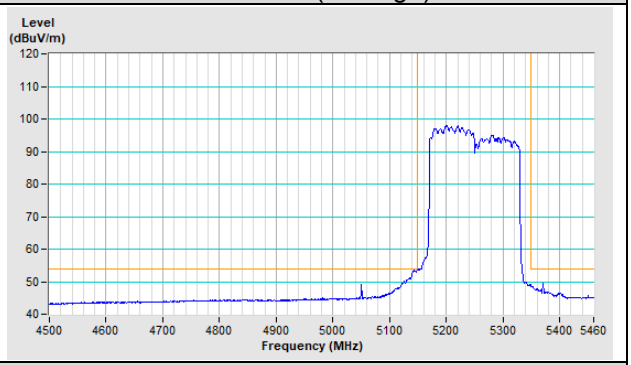
802.11ax (HE80+80)

Channel 42+58

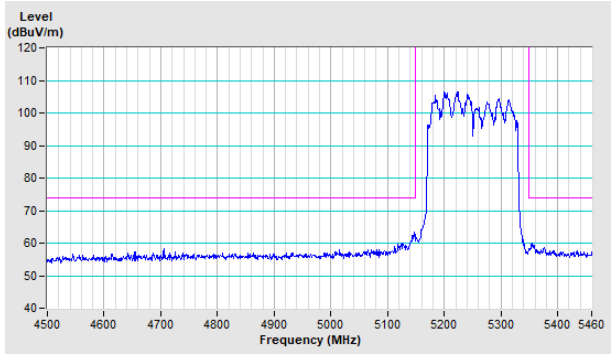
Horizontal (Peak)



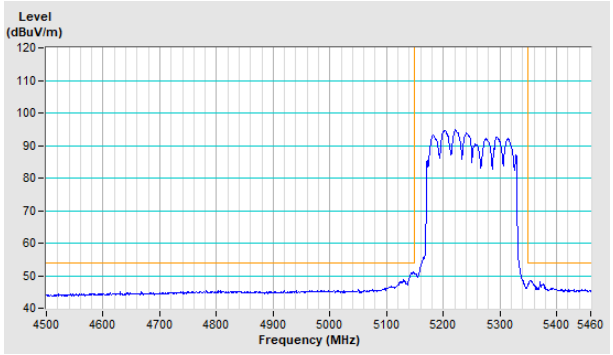
Horizontal (Average)



Vertical (Peak)

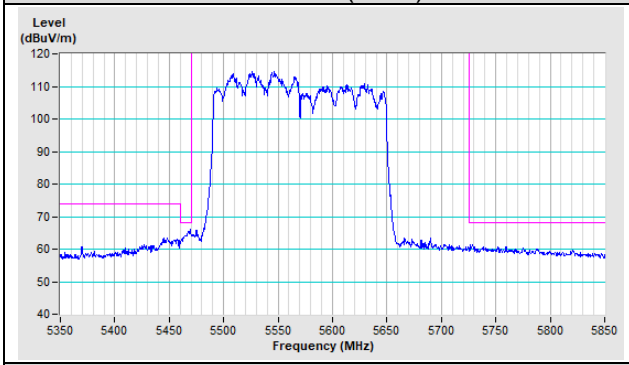


Vertical (Average)

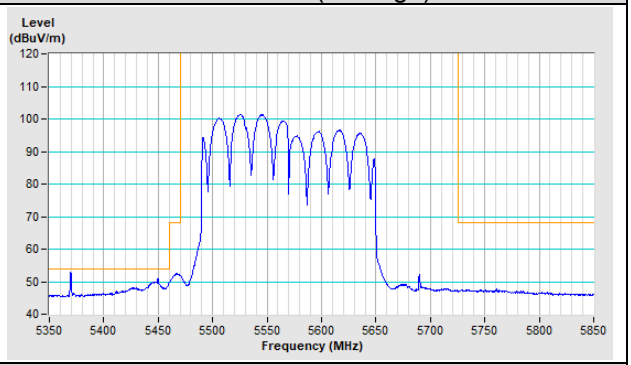


Channel 106+122

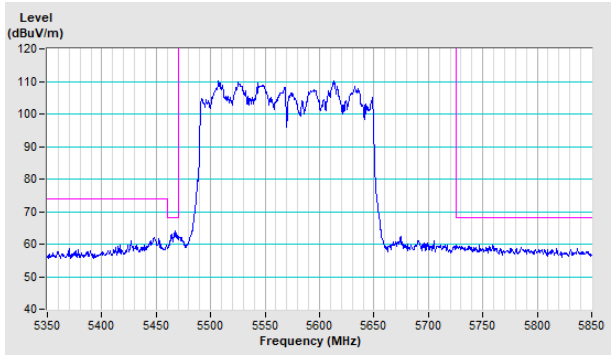
Horizontal (Peak)



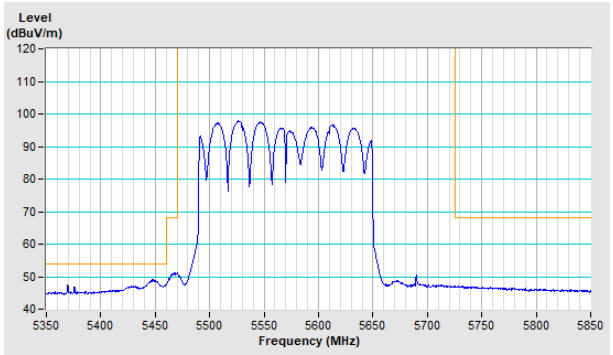
Horizontal (Average)



Vertical (Peak)



Vertical (Average)



Appendix – Information of the Testing Laboratories

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

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

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Web Site: www.bureauveritas-adt.com

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

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