

FCC Test Report

Report No.: RF191111C01B

FCC ID: TVE-4617T06785

Test Model: FAP-431F, FAP-433F (refer to item 3.1 for more details)

Series Model: FortiAP 431Fxxxxxx, FAP-431Fxxxxxx, FORTIAP-431Fxxxxxx, 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: Apr. 15, 2020

Test Date: Apr. 16 ~ Jun. 05, 2020

Issued Date: Jun. 20, 2020

Applicant: Fortinet Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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**FCC Registration /
Designation Number:** 788550 / TW0003



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Release Control Record

Issue No.	Description	Date Issued
RF191111C01B	Original release.	Jun. 20, 2020

1 Certificate of Conformity

Product: Secured Wireless Access Point

Brand: Fortinet

Test Model: FAP-431F, FAP-433F (refer to item 3.1 for more details)

Series Model: FortiAP 431Fxxxxxx, FAP-431Fxxxxxx, FORTIAP-431Fxxxxxx, 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: Apr. 16 ~ Jun. 05, 2020

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

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

Prepared by : Pettie Chen , **Date:** Jun. 20, 2020
Pettie Chen / Senior Specialist

Approved by : Bruce Chen , **Date:** Jun. 20, 2020
Bruce Chen / Senior Project Engineer

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
FCC Clause	Test Item	Result	Remarks
15.407(b)(6)	AC Power Conducted Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -5.86dB at 0.52844MHz.
15.407(b)(1/2/3/4(i/ii)/6)	Radiated Emissions & Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -1.0dB at 5130.00, 5350.00MHz.
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(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	For internal antenna: Antenna connector is IPEX not a standard connector. For external antenna: Antenna connector is SMA. (The device is professionally installed)

Note:

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	3.04 dB
	30MHz ~ 200MHz	3.86 dB
	200MHz ~ 1000MHz	3.87 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	2.29 dB
	18GHz ~ 40GHz	2.29 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Secured Wireless Access Point
Brand	Fortinet
Test Model	FAP-431F, FAP-433F
Series Model	FortiAP 431Fxxxxxx, FAP-431Fxxxxxx, FORTIAP-431Fxxxxxx, 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	5260 ~ 5320MHz, 5500 ~ 5720MHz
Number of Channel	<u>5GHz traffic radio:</u> 5180 ~ 5240MHz: 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 <u>Scanning radio:</u> 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

Output Power	Model: FAP-431F 5260 ~ 5320MHz: 5G traffic radio: CDD Mode: 225.992mW 5G traffic radio: Beamforming Mode: 59.597mW Scanning radio: CDD Mode: 16.749mW 5500 ~ 5720MHz: 5G traffic radio: CDD Mode: 224.897mW 5G traffic radio: Beamforming Mode: 57.550mW Scanning radio: CDD Mode: 16.827mW Model: FAP-433F 5260 ~ 5320MHz: 5G traffic radio: CDD Mode: 202.031mW 5G traffic radio: Beamforming Mode: 50.965mW Scanning radio: CDD Mode: 16.293mW 5500 ~ 5720MHz: 5G traffic radio: CDD Mode: 213.960mW 5G traffic radio: Beamforming Mode: 53.744mW Scanning radio: CDD Mode: 16.368mW
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. The difference compared with the original report (BV CPS report no.: RF191111C01-1) is adding 5.26GHz to 5.32GHz, 5.50GHz to 5.72GHz and 5180~5240MHz [802ac (VHT80+VHT80), 802.11ax (HE80+HE80)] mode by software.
2. The following models are provided to this EUT. The model FAP-433F, FAP-431F were chosen for final test.

Brand	Test Model	Series Model	Difference
Fortinet	FAP-431F	FortiAP 431Fxxxxxx, FAP-431Fxxxxxx, FORTIAP-431Fxxxxxx (where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)	internal antenna
	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 EUT provides 4 completed transmitters and 4 receivers.

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	
802.11ax (HE20)	Support	Support	4TX	
802.11ax (HE40)	Support	Support	4TX	
802.11ax (HE80)	Support	Support	4TX	
802.11ax (HE80+80)	Support	Support	2TX+2TX	
802.11a	Support	Not Support	1TX	
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.

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.

For Internal Antenna

Antenna Type	PIFA					
Antenna Connector	IPEX					
Antenna No.	Gain (dBi)					
	2400MHz	2450MHz	2500MHz	UNII-1 & UNII-2A	UNII-2C	UNII-3
DL1	4.04	4.36	4.79	6.21	6.33	5.25
DL2	5.52	5.29	5.19	5.07	5.99	5.03
DL3	4.34	5.06	5.05	5.30	5.15	5.18
DL4	4.72	4.66	5.62	5.34	6.37	5.85
Scanning	4.93	4.60	5.22	5.06	5.09	5.14
BT	4.23	4.66	4.71	-	-	-

For External Antenna

Antenna Type	Dipole					
Antenna Connector	SMA					
Gain (dBi)	Frequency					
	2400MHz	2450MHz	2500MHz	UNII-1 & UNII-2A	UNII-2C	UNII-3
Ext. Ant.	3.88	3.33	4	6.01	6.18	6.2
BT	4.23	4.66	4.71	-	-	-

*The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

6. 2G traffic radio, 5GHz traffic radio, Scanning radio (5G) and BLE 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.
 BLE and 2G traffic radio (2.4G) cannot transmit at same time.
 BLE and Scanning radio (2.4G) cannot transmit at same time.

3.2 Description of Test Modes

5180~5240MHz:

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

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable to				Description	
	RE \geq 1G	RE<1G	PLC	APCM	EUT Model	Power
A	√	√	√	√	FAP-431F	Power from adapter
B	-	√	√	-		Power from PoE
C	√	√	√	√	FAP-433F	Power from adapter
D	-	√	√	-		Power from PoE

Where RE \geq 1G: Radiated Emission above 1GHz & Bandedge Measurement
 RE<1G: Radiated Emission below 1GHz
 PLC: Power Line Conducted Emission
 APCM: Antenna Port Conducted Measurement

Note:

- The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Y-plane (For Model: FAP-431F_5G traffic radio), X-plane (For Model: FAP-431F_Scanning radio), X-plane (For Model: FAP-433F)**
- "-" means no effect.
- Radiated emission (below 1GHz) and power line conducted emission test items chosen the worst maximum power.

Radiated Emission Test (Above 1GHz):

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)	Remark
CDD Mode							
A, C	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0	5G traffic radio
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	Scanning radio
A, C	802.11a		52 to 64	52, 60, 64	OFDM	6.0	
A, C	802.11n (HT20)		52 to 64	52, 60, 64	OFDM	6.5	
A, C	802.11n (HT40)		54 to 62	54, 62	OFDM	13.5	
A, C	802.11ac (VHT80)		58	58	OFDM	65.0	
A, C	802.11a		5500-5720	100 to 144	100, 116, 140, 144	OFDM	
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	Scanning radio
A, C	802.11a	100 to 144		100, 116, 140, 144	OFDM	6.0	
A, C	802.11n (HT20)	100 to 144		100, 116, 140, 144	OFDM	6.5	
A, C	802.11n (HT40)	102 to 142		102, 110, 134, 142	OFDM	13.5	
A, C	802.11ac (VHT80)	106 to 138		106, 122, 138	OFDM	65.0	
Beamforming Mode							
A, C	802.11ax (HE20)	5260-5320	52 to 64	52, 60, 64	OFDMA	MCS0	5G traffic radio
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	802.11ax (HE20)	5500-5720	100 to 144	100, 116, 140, 144	OFDMA	MCS0	5G traffic radio
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	

Radiated Emission Test (Below 1GHz):

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)	Remark
CDD Mode							
A, B	802.11ax (HE80)	5260-5320	58	58	OFDMA	6.0	5G traffic radio
	802.11a	5500-5720	100 to 144	100	OFDM	6.0	Scanning radio
C, D	802.11ax (HE80)	5500-5720	106 to 138	106	OFDMA	6.0	5G traffic radio
	802.11n (HT20)	5500-5720	100 to 144	116	OFDM	6.5	Scanning radio

Power Line Conducted Emission Test:

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)	Remark
CDD Mode							
A, B	802.11ax (HE80)	5260-5320	58	58	OFDMA	6.0	5G traffic radio
	802.11a	5500-5720	100 to 144	100	OFDM	6.0	Scanning radio
C, D	802.11ax (HE80)	5500-5720	106 to 138	106	OFDMA	6.0	5G traffic radio
	802.11n (HT20)	5500-5720	100 to 144	116	OFDM	6.5	Scanning radio

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)	Remark
CDD Mode							
A, C	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0	5G traffic radio
A, C	802.11n (HT20)		52 to 64	52, 60, 64	OFDM	6.5	
A, C	802.11n (HT40)		54 to 62	54, 62	OFDM	13.5	
A, C	802.11ac (VHT20)		52 to 64	52, 60, 64	OFDM	6.5	
A, C	802.11ac (VHT40)		54 to 62	54, 62	OFDM	13.5	
A, C	802.11ac (VHT80)		58	58	OFDM	65.0	
A, C	802.11ax (HE20)		52 to 64	52, 60, 64	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	802.11ax (HE80)		58	58	OFDMA	MCS0	
A, C	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0	Scanning radio
A, C	802.11n (HT20)		52 to 64	52, 60, 64	OFDM	6.5	
A, C	802.11n (HT40)		54 to 62	54, 62	OFDM	13.5	
A, C	802.11ac (VHT80)		58	58	OFDM	65.0	
A, C	802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0	5G traffic radio
A, C	802.11n (HT20)		100 to 144	100, 116, 140, 144	OFDM	6.5	
A, C	802.11n (HT40)		102 to 142	102, 110, 134, 142	OFDM	13.5	
A, C	802.11ac (VHT20)		100 to 144	100, 116, 140, 144	OFDM	6.5	
A, C	802.11ac (VHT40)		102 to 142	102, 110, 134, 142	OFDM	13.5	
A, C	802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	65.0	
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	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0	Scanning radio
A, C	802.11n (HT20)		100 to 144	100, 116, 140, 144	OFDM	6.5	
A, C	802.11n (HT40)		102 to 142	102, 110, 134, 142	OFDM	13.5	
A, C	802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	65.0	
Beamforming Mode							
A, C	802.11ac (VHT20)	5260-5320	52 to 64	52, 60, 64	OFDM	6.5	5G traffic radio
A, C	802.11ac (VHT40)		54 to 62	54, 62	OFDM	13.5	
A, C	802.11ac (VHT80)		58	58	OFDM	65.0	
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	802.11ac (VHT20)	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.5	5G traffic radio
A, C	802.11ac (VHT40)		102 to 142	102, 110, 134, 142	OFDM	13.5	
A, C	802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	65.0	
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	

*802.11n (HT20), 802.11n (HT40), 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	23 deg. C, 66% RH	120Vac, 60Hz	Adair Peng Titan Hsu
RE<1G	23 deg. C, 66% RH	120Vac, 60Hz 54Vdc	Titan Hsu
PLC	23 deg. C, 66% RH	120Vac, 60Hz 54Vdc	Titan Hsu
APCM	25 deg. C, 60% RH	120Vac, 60Hz	Jisyong Wang

3.3 Duty Cycle of Test Signal

Duty cycle of test signal is < 98%, duty factor shall be considered.

Test Mode A

5G traffic radio: CDD Mode

802.11a: Duty cycle = $1.955/2.095 = 0.933$, Duty factor = $10 * \log(1/0.933) = 0.30$

802.11ax (HE20): Duty cycle = $5.387/5.7 = 0.945$, Duty factor = $10 * \log(1/0.945) = 0.25$

802.11ax (HE40): Duty cycle = $5.351/5.751 = 0.93$, Duty factor = $10 * \log(1/0.93) = 0.31$

802.11ax (HE80): Duty cycle = $5.362/5.812 = 0.923$, Duty factor = $10 * \log(1/0.923) = 0.35$

802.11ax (HE80+80): Duty cycle = $5.388/5.738 = 0.939$, Duty factor = $10 * \log(1/0.939) = 0.27$



Test Mode A

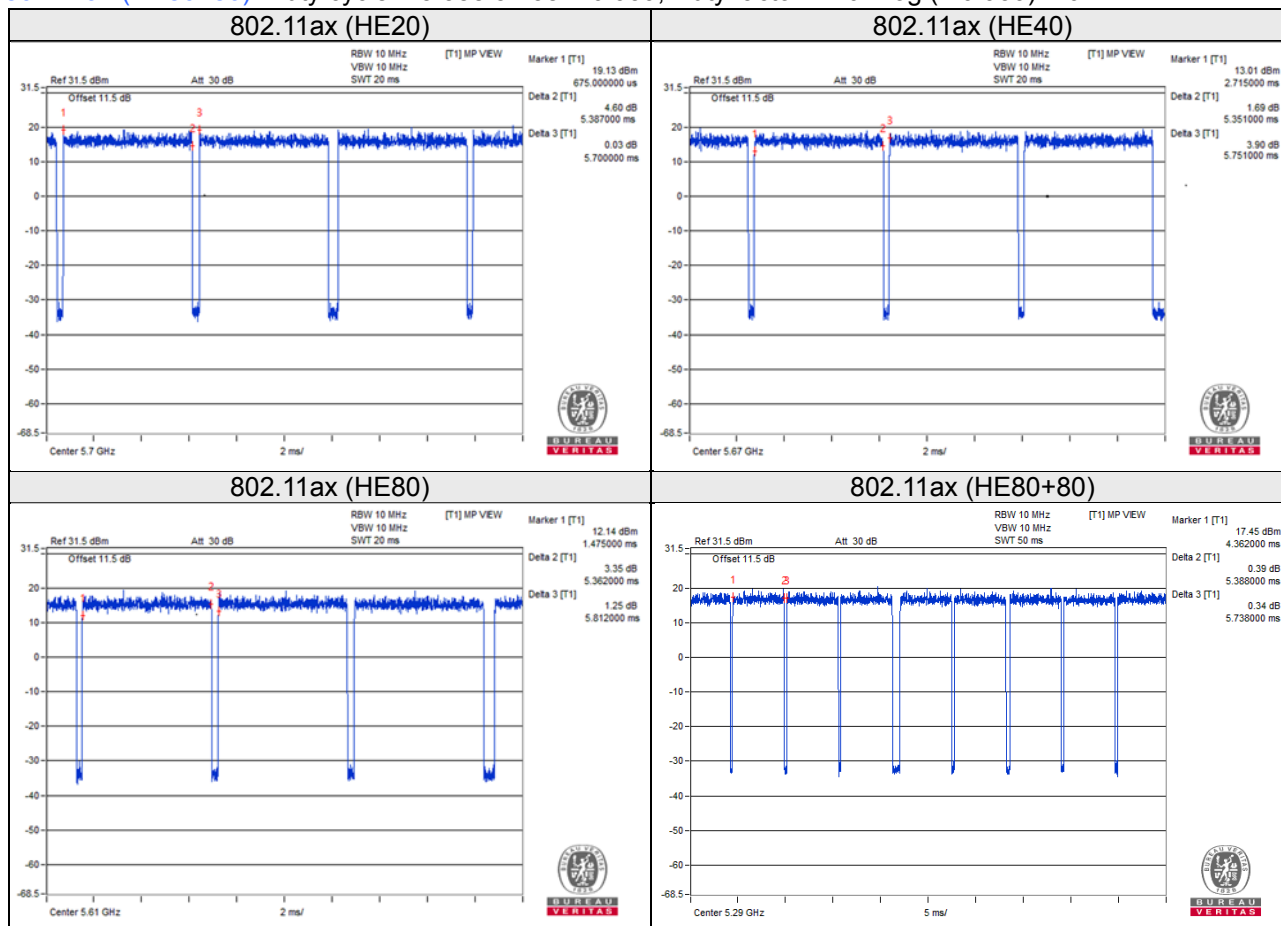
5G traffic radio: Beamforming Mode

802.11ax (HE20): Duty cycle = $5.387/5.7 = 0.945$, Duty factor = $10 * \log(1/0.945) = 0.25$

802.11ax (HE40): Duty cycle = $5.351/5.751 = 0.93$, Duty factor = $10 * \log(1/0.93) = 0.31$

802.11ax (HE80): Duty cycle = $5.362/5.812 = 0.923$, Duty factor = $10 * \log(1/0.923) = 0.35$

802.11ax (HE80+80): Duty cycle = $5.388/5.738 = 0.939$, Duty factor = $10 * \log(1/0.939) = 0.27$



Test Mode A

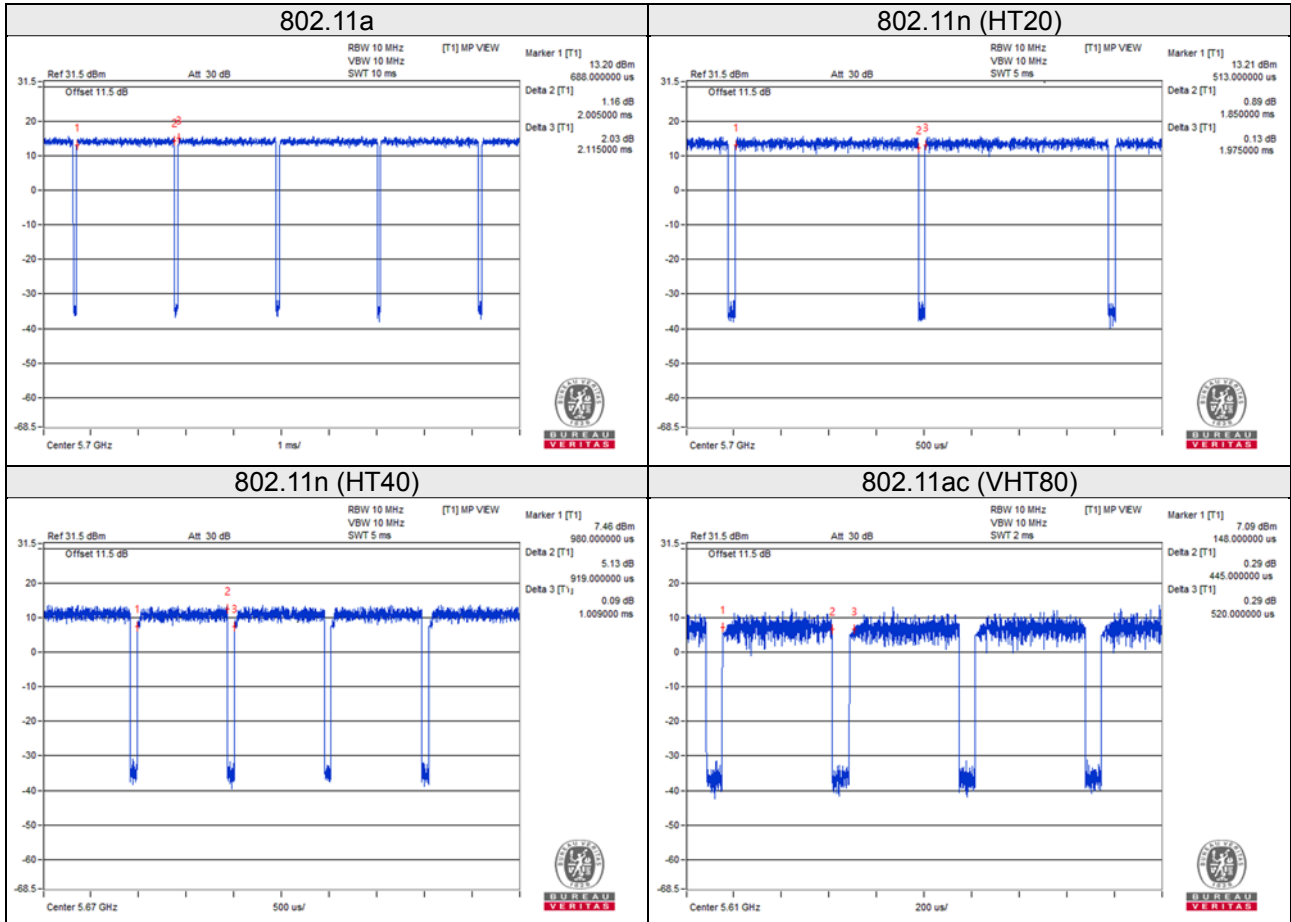
Scanning radio: CDD Mode

802.11a: Duty cycle = $2.005/2.115 = 0.948$, Duty factor = $10 * \log(1/0.948) = 0.23$

802.11n (HT20): Duty cycle = $1.85/1.975 = 0.937$, Duty factor = $10 * \log(1/0.937) = 0.28$

802.11n (HT40): Duty cycle = $0.919/1.009 = 0.911$, Duty factor = $10 * \log(1/0.911) = 0.41$

802.11ac (VHT80): Duty cycle = $0.445/0.52 = 0.856$, Duty factor = $10 * \log(1/0.856) = 0.68$



Test Mode C

5G traffic radio: CDD Mode

802.11a: Duty cycle = $1.97/2.12 = 0.929$, Duty factor = $10 * \log(1/0.929) = 0.32$

802.11ax (HE20): Duty cycle = $5.4/5.762 = 0.937$, Duty factor = $10 * \log(1/0.937) = 0.28$

802.11ax (HE40): Duty cycle = $5.423/5.688 = 0.953$, Duty factor = $10 * \log(1/0.953) = 0.21$

802.11ax (HE80): Duty cycle = $5.388/5.738 = 0.939$, Duty factor = $10 * \log(1/0.939) = 0.27$

802.11ax (HE80+80): Duty cycle = $5.388/5.738 = 0.939$, Duty factor = $10 * \log(1/0.939) = 0.27$



Test Mode C

5G traffic radio: Beamforming Mode

802.11ax (HE20): Duty cycle = $5.413/5.763 = 0.939$, Duty factor = $10 * \log(1/0.939) = 0.27$

802.11ax (HE40): Duty cycle = $5.4/5.851 = 0.923$, Duty factor = $10 * \log(1/0.923) = 0.35$

802.11ax (HE80): Duty cycle = $5.4/5.687 = 0.95$, Duty factor = $10 * \log(1/0.95) = 0.22$

802.11ax (HE80+80): Duty cycle = $5.388/5.738 = 0.939$, Duty factor = $10 * \log(1/0.939) = 0.27$



Test Mode C

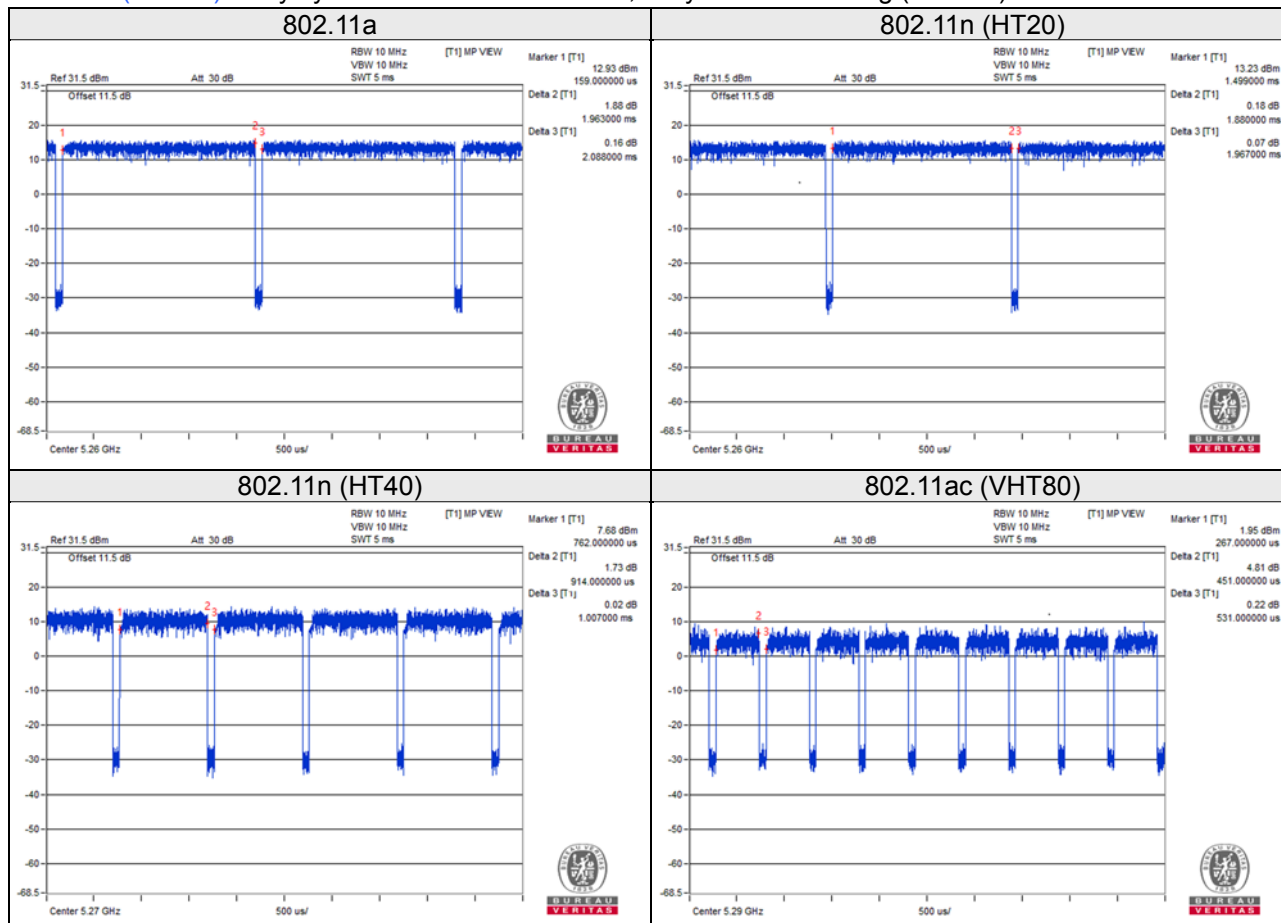
Scanning radio: CDD Mode

802.11a: Duty cycle = $1.963/2.088 = 0.94$, Duty factor = $10 * \log(1/0.94) = 0.27$

802.11n (HT20): Duty cycle = $1.88/1.967 = 0.956$, Duty factor = $10 * \log(1/0.956) = 0.20$

802.11n (HT40): Duty cycle = $0.914/1.007 = 0.908$, Duty factor = $10 * \log(1/0.908) = 0.42$

802.11ac (VHT80): Duty cycle = $0.451/0.531 = 0.849$, Duty factor = $10 * \log(1/0.849) = 0.71$



3.4 Description of Support Units

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

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Notebook	DELL	E5410	1HC2XM1	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	09	NA	-
E.	POE	EnGenius	EPA5006GAT	NA	NA	Provided by client

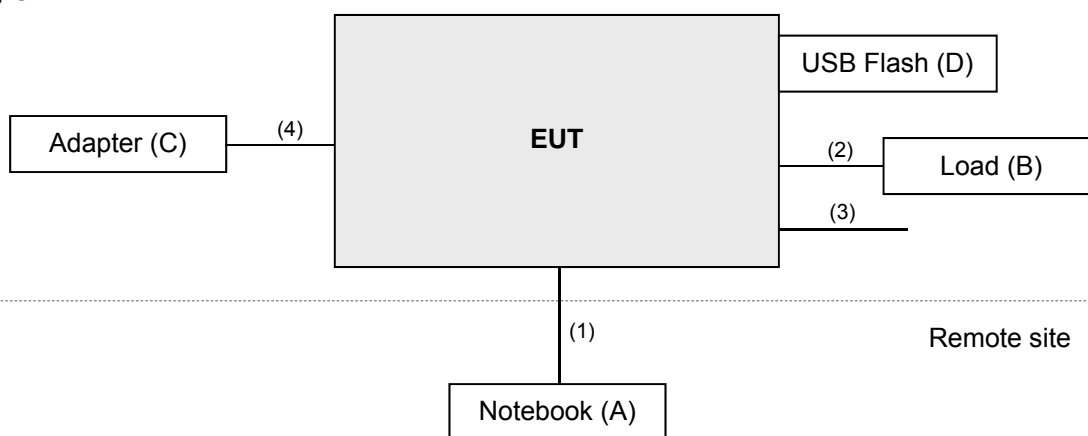
Note:

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.

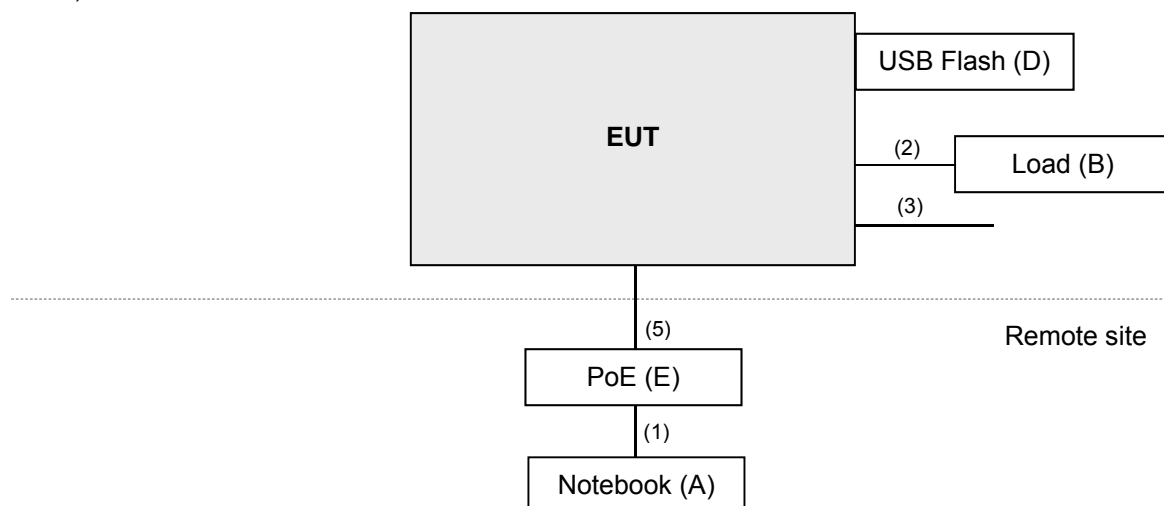
ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	LAN	1	7.0	N	0	RJ45, Cat5e
2.	LAN	1	1.5	N	0	RJ45, Cat5e
3.	Console	1	1.0	Y	1	-
4.	Power cable	1	1.5	-	0	Provided by client
5.	LAN	1	1.5	N	0	RJ45, Cat5e

3.4.1 Configuration of System under Test

Mode A, C



Mode B, D



3.5 General Description of Applied Standards and References

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

Test standard:

FCC Part 15, Subpart E (15.407)

ANSI C63.10:2013

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

KDB 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

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

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

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

4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver ROHDE & SCHWARZ	ESR3	102579	Jun. 27, 2019	Jun. 26, 2020
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Jun. 12, 2019	Jun. 11, 2020
BILOG Antenna SCHWARZBECK	VULB9168	9168-171	Nov. 11, 2019	Nov. 10, 2020
HORN Antenna SCHWARZBECK	9120D	209	Nov. 24, 2019	Nov. 23, 2020
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Nov. 24, 2019	Nov. 23, 2020
Preamplifier Agilent (Below 1GHz)	8447D	2944A10738	Aug. 20, 2019	Aug. 19, 2020
Pre-Amplifier Agilent (Above 1GHz)	8449B	3008A01961	Sep. 05, 2019	Sep. 04, 2020
RF Coaxial Cable WOKEN With 5dB PAD	8D-FB	Cable-CH3-01	Aug. 20, 2019	Aug. 19, 2020
RF signal cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH3-03 (223653/4)	Aug. 20, 2019	Aug. 19, 2020
RF signal cable HUBER+SUHNER& EMCI	SUCOFLEX 104&EMC104-SM- SM-8000	Cable-CH3-03 (309224+170907)	Aug. 20, 2019	Aug. 19, 2020
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller BV ADT	AT100	AT93021702	NA	NA
Turn Table BV ADT	TT100	TT93021702	NA	NA
Turn Table Controller BV ADT	SC100	SC93021702	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Pre-amplifier (18GHz- 40GHz) EMC	EMC184045B	980175	Sep. 05, 2019	Sep. 04, 2020
USB Wideband Power Sensor KEYSIGHT	U2021XA	MY55050005/MY5 5190004/MY55190 007/MY55210005	Jul. 15, 2019	Jul. 14, 2020

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

4.1.3 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:

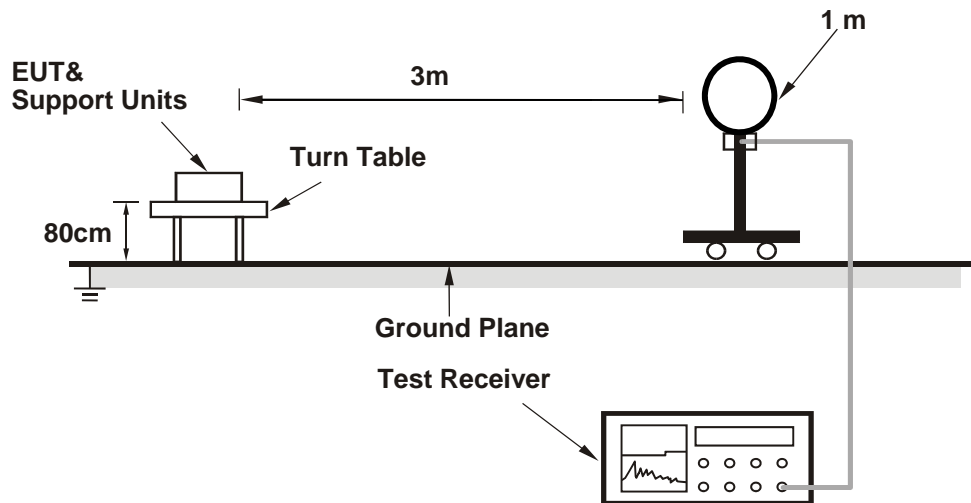
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
5G traffic radio: 802.11a: RBW = 1MHz, VBW = 1kHz; 802.11ax (HE20): RBW = 1MHz, VBW = 1kHz; 802.11ax (HE40): RBW = 1MHz, VBW = 1kHz; 802.11ax (HE80): RBW = 1MHz, VBW = 1kHz;
5G traffic radio: Beamforming Mode: 802.11ax (HE20): RBW = 1MHz, VBW = 1kHz; 802.11ax (HE40): RBW = 1MHz, VBW = 1kHz; 802.11ax (HE80): RBW = 1MHz, VBW = 1kHz;
Scanning radio: 802.11a: RBW = 1MHz, VBW = 1kHz; 802.11n (HT20): RBW = 1MHz, VBW = 1kHz; 802.11n (HT40): RBW = 1MHz, VBW = 3kHz; 802.11ac (VHT80): RBW = 1MHz, VBW = 3kHz
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

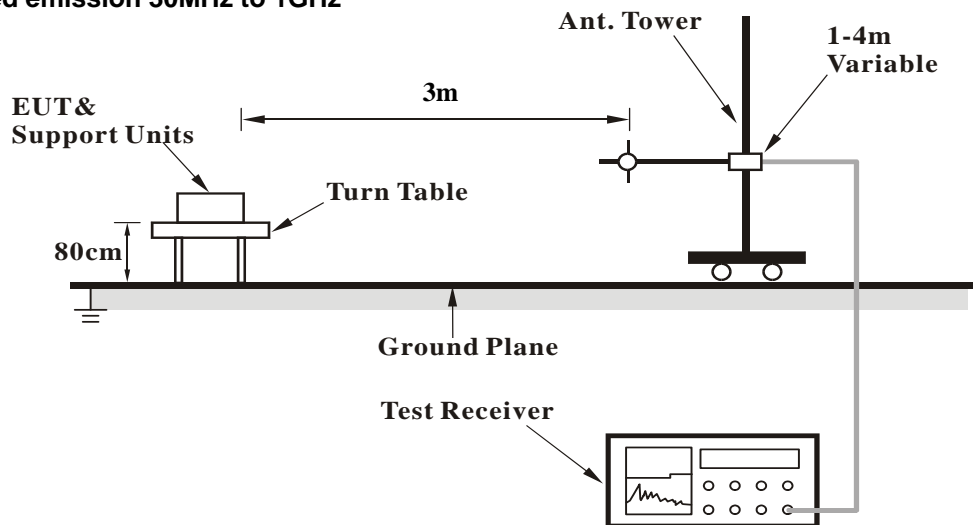
No deviation.

4.1.5 Test Setup

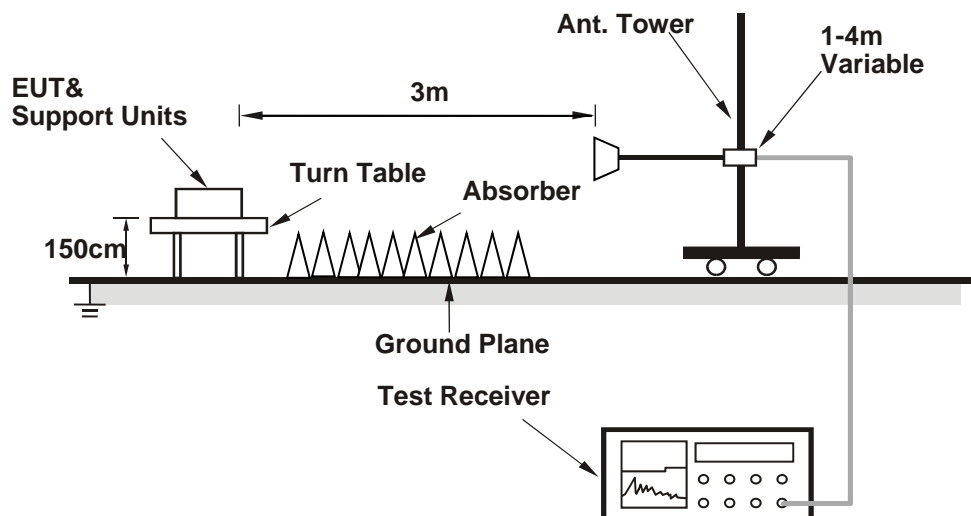
For Radiated emission below 30MHz



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

5G traffic radio: CDD Mode

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.8 PK	74.0	-17.2	2.11 H	10	52.7	4.1
2	5150.00	42.9 AV	54.0	-11.1	2.11 H	10	38.8	4.1
3	*5260.00	117.7 PK			2.25 H	4	78.7	39.0
4	*5260.00	107.9 AV			2.25 H	4	68.9	39.0
5	#10520.00	60.1 PK	68.2	-8.1	1.81 H	103	41.8	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.6 PK	74.0	-17.4	1.50 V	358	52.5	4.1
2	5150.00	42.6 AV	54.0	-11.4	1.50 V	358	38.5	4.1
3	*5260.00	116.8 PK			1.44 V	352	77.8	39.0
4	*5260.00	107.2 AV			1.44 V	352	68.2	39.0
5	#10520.00	59.7 PK	68.2	-8.5	1.83 V	153	41.4	18.3

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	118.5 PK			1.97 H	357	79.4	39.1
2	*5300.00	108.3 AV			1.97 H	357	69.2	39.1
3	10600.00	60.6 PK	74.0	-13.4	1.77 H	102	41.7	18.9
4	10600.00	47.1 AV	54.0	-6.9	1.77 H	102	28.2	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	117.1 PK			1.39 V	349	78.0	39.1
2	*5300.00	107.1 AV			1.39 V	349	68.0	39.1
3	10600.00	60.3 PK	74.0	-13.7	1.79 V	161	41.4	18.9
4	10600.00	46.9 AV	54.0	-7.1	1.79 V	161	28.0	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	117.9 PK			1.65 H	358	78.7	39.2
2	*5320.00	107.8 AV			1.65 H	358	68.6	39.2
3	5350.00	58.7 PK	74.0	-15.3	1.88 H	359	54.6	4.1
4	5350.00	45.3 AV	54.0	-8.7	1.88 H	359	41.2	4.1
5	10640.00	60.6 PK	74.0	-13.4	1.93 H	123	42.0	18.6
6	10640.00	46.6 AV	54.0	-7.4	1.93 H	123	28.0	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	118.2 PK			1.14 V	5	79.0	39.2
2	*5320.00	108.4 AV			1.14 V	5	69.2	39.2
3	5350.00	59.1 PK	74.0	-14.9	1.31 V	357	55.0	4.1
4	5350.00	45.4 AV	54.0	-8.6	1.31 V	357	41.3	4.1
5	10640.00	60.7 PK	74.0	-13.3	1.85 V	156	42.1	18.6
6	10640.00	46.8 AV	54.0	-7.2	1.85 V	156	28.2	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	1.46 H	3	51.5	4.5
2	5460.00	43.8 AV	54.0	-10.2	1.46 H	3	39.3	4.5
3	#5470.00	56.3 PK	68.2	-11.9	1.65 H	10	51.8	4.5
4	*5500.00	115.8 PK			1.63 H	8	76.1	39.7
5	*5500.00	105.7 AV			1.63 H	8	66.0	39.7
6	11000.00	60.9 PK	74.0	-13.1	2.97 H	327	41.6	19.3
7	11000.00	49.8 AV	54.0	-4.2	2.97 H	327	30.5	19.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.7 PK	74.0	-18.3	2.42 V	344	51.2	4.5
2	5460.00	43.6 AV	54.0	-10.4	2.42 V	344	39.1	4.5
3	#5470.00	57.0 PK	68.2	-11.2	2.46 V	341	52.5	4.5
4	*5500.00	117.1 PK			2.40 V	339	77.4	39.7
5	*5500.00	106.2 AV			2.40 V	339	66.5	39.7
6	11000.00	61.6 PK	74.0	-12.4	2.42 V	337	42.3	19.3
7	11000.00	49.3 AV	54.0	-4.7	2.42 V	337	30.0	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	114.0 PK			1.59 H	6	74.3	39.7
2	*5580.00	104.6 AV			1.59 H	6	64.9	39.7
3	11160.00	59.9 PK	74.0	-14.1	2.99 H	328	41.3	18.6
4	11160.00	48.5 AV	54.0	-5.5	2.99 H	328	29.9	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	117.2 PK			2.14 V	354	77.5	39.7
2	*5580.00	107.5 AV			2.14 V	354	67.8	39.7
3	11160.00	60.7 PK	74.0	-13.3	2.45 V	340	42.1	18.6
4	11160.00	48.4 AV	54.0	-5.6	2.45 V	340	29.8	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	115.6 PK			2.83 H	2	75.8	39.8
2	*5700.00	105.5 AV			2.83 H	2	65.7	39.8
3	#5725.00	48.7 PK	68.2	-19.5	2.93 H	337	44.0	4.7
4	11400.00	59.5 PK	74.0	-14.5	2.74 H	331	41.0	18.5
5	11400.00	47.3 AV	54.0	-6.7	2.74 H	331	28.8	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	116.8 PK			2.18 V	354	77.0	39.8
2	*5700.00	106.8 AV			2.18 V	354	67.0	39.8
3	#5725.00	59.2 PK	68.2	-9.0	1.97 V	6	54.5	4.7
4	11400.00	60.6 PK	74.0	-13.4	2.45 V	341	42.1	18.5
5	11400.00	48.4 AV	54.0	-5.6	2.45 V	341	29.9	18.5

Remarks:

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

CHANNEL	TX Channel 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	5460.00	55.8 PK	74.0	-18.2	1.75 H	355	51.3	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.75 H	355	39.2	4.5
3	#5470.00	56.4 PK	68.2	-11.8	1.78 H	357	51.9	4.5
4	*5720.00	119.1 PK			1.70 H	347	79.1	40.0
5	*5720.00	108.7 AV			1.70 H	347	68.7	40.0
6	#5850.00	57.5 PK	68.2	-10.7	1.80 H	359	52.2	5.3
7	11440.00	60.8 PK	74.0	-13.2	3.00 H	325	42.2	18.6
8	11440.00	47.8 AV	54.0	-6.2	3.00 H	325	29.2	18.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.7 PK	74.0	-18.3	1.60 V	5	51.2	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.60 V	5	39.2	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.62 V	8	51.5	4.5
4	*5720.00	116.3 PK			1.57 V	357	76.3	40.0
5	*5720.00	106.5 AV			1.57 V	357	66.5	40.0
6	#5850.00	56.7 PK	68.2	-11.5	1.65 V	12	51.4	5.3
7	11440.00	60.9 PK	74.0	-13.1	3.02 V	342	42.3	18.6
8	11440.00	47.8 AV	54.0	-6.2	3.02 V	342	29.2	18.6

Remarks:

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

802.11ax (HE20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.1 PK	74.0	-17.9	1.88 H	1	52.0	4.1
2	5150.00	42.7 AV	54.0	-11.3	1.88 H	1	38.6	4.1
3	*5260.00	121.5 PK			1.95 H	5	82.5	39.0
4	*5260.00	108.2 AV			1.95 H	5	69.2	39.0
5	#10520.00	60.3 PK	68.2	-7.9	1.69 H	117	42.0	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	1.24 V	7	51.8	4.1
2	5150.00	42.6 AV	54.0	-11.4	1.24 V	7	38.5	4.1
3	*5260.00	121.4 PK			1.06 V	13	82.4	39.0
4	*5260.00	108.0 AV			1.06 V	13	69.0	39.0
5	#10520.00	60.1 PK	68.2	-8.1	1.77 V	185	41.8	18.3

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	121.4 PK			1.63 H	1	82.3	39.1
2	*5300.00	107.9 AV			1.63 H	1	68.8	39.1
3	10600.00	60.9 PK	74.0	-13.1	1.80 H	120	42.0	18.9
4	10600.00	47.3 AV	54.0	-6.7	1.80 H	120	28.4	18.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	120.7 PK			1.07 V	13	81.6	39.1
2	*5300.00	107.3 AV			1.07 V	13	68.2	39.1
3	10600.00	60.7 PK	74.0	-13.3	1.84 V	177	41.8	18.9
4	10600.00	47.2 AV	54.0	-6.8	1.84 V	177	28.3	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	120.5 PK			1.70 H	19	81.3	39.2
2	*5320.00	107.1 AV			1.70 H	19	67.9	39.2
3	5350.00	57.0 PK	74.0	-17.0	1.88 H	11	52.9	4.1
4	5350.00	44.1 AV	54.0	-9.9	1.88 H	11	40.0	4.1
5	10640.00	60.6 PK	74.0	-13.4	1.87 H	101	42.0	18.6
6	10640.00	46.7 AV	54.0	-7.3	1.87 H	101	28.1	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	121.5 PK			1.20 V	352	82.3	39.2
2	*5320.00	107.9 AV			1.20 V	352	68.7	39.2
3	5350.00	57.5 PK	74.0	-16.5	1.14 V	3	53.4	4.1
4	5350.00	44.3 AV	54.0	-9.7	1.14 V	3	40.2	4.1
5	10640.00	60.8 PK	74.0	-13.2	1.78 V	168	42.2	18.6
6	10640.00	46.9 AV	54.0	-7.1	1.78 V	168	28.3	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.9 PK	74.0	-18.1	1.38 H	15	51.4	4.5
2	5460.00	43.1 AV	54.0	-10.9	1.38 H	15	38.6	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.36 H	12	51.5	4.5
4	*5500.00	119.4 PK			1.61 H	10	79.7	39.7
5	*5500.00	105.2 AV			1.61 H	10	65.5	39.7
6	11000.00	60.6 PK	74.0	-13.4	2.89 H	327	41.3	19.3
7	11000.00	50.0 AV	54.0	-4.0	2.89 H	327	30.7	19.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.9 PK	74.0	-18.1	2.35 V	6	51.4	4.5
2	5460.00	43.8 AV	54.0	-10.2	2.35 V	6	39.3	4.5
3	#5470.00	58.9 PK	68.2	-9.3	2.33 V	3	54.4	4.5
4	*5500.00	119.1 PK			2.31 V	4	79.4	39.7
5	*5500.00	106.0 AV			2.31 V	4	66.3	39.7
6	11000.00	60.0 PK	74.0	-14.0	2.27 V	12	40.7	19.3
7	11000.00	47.6 AV	54.0	-6.4	2.27 V	12	28.3	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	118.4 PK			1.46 H	14	78.7	39.7
2	*5580.00	104.6 AV			1.46 H	14	64.9	39.7
3	11160.00	60.3 PK	74.0	-13.7	2.76 H	329	41.7	18.6
4	11160.00	48.6 AV	54.0	-5.4	2.76 H	329	30.0	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	119.5 PK			2.28 V	357	79.8	39.7
2	*5580.00	106.0 AV			2.28 V	357	66.3	39.7
3	11160.00	60.6 PK	74.0	-13.4	2.50 V	335	42.0	18.6
4	11160.00	47.9 AV	54.0	-6.1	2.50 V	335	29.3	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	119.6 PK			2.98 H	335	79.8	39.8
2	*5700.00	105.7 AV			2.98 H	335	65.9	39.8
3	#5725.00	48.9 PK	68.2	-19.3	3.17 H	311	44.2	4.7
4	11400.00	59.8 PK	74.0	-14.2	2.85 H	329	41.3	18.5
5	11400.00	47.5 AV	54.0	-6.5	2.85 H	329	29.0	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	118.9 PK			2.49 V	358	79.1	39.8
2	*5700.00	105.9 AV			2.49 V	358	66.1	39.8
3	#5725.00	60.8 PK	68.2	-7.4	2.47 V	333	56.1	4.7
4	11400.00	60.6 PK	74.0	-13.4	2.45 V	341	42.1	18.5
5	11400.00	47.8 AV	54.0	-6.2	2.45 V	341	29.3	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	55.5 PK	74.0	-18.5	1.92 H	356	51.0	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.92 H	356	39.2	4.5
3	#5470.00	55.8 PK	68.2	-12.4	1.93 H	355	51.3	4.5
4	*5720.00	120.4 PK			1.89 H	353	80.4	40.0
5	*5720.00	107.5 AV			1.89 H	353	67.5	40.0
6	#5850.00	56.5 PK	68.2	-11.7	1.95 H	351	51.2	5.3
7	11440.00	60.9 PK	74.0	-13.1	2.89 H	316	42.3	18.6
8	11440.00	47.8 AV	54.0	-6.2	2.89 H	316	29.2	18.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.7 PK	74.0	-18.3	1.73 V	355	51.2	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.73 V	355	39.2	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.78 V	3	51.5	4.5
4	*5720.00	119.0 PK			1.70 V	358	79.0	40.0
5	*5720.00	105.8 AV			1.70 V	358	65.8	40.0
6	#5850.00	56.8 PK	68.2	-11.4	1.80 V	10	51.5	5.3
7	11440.00	60.9 PK	74.0	-13.1	2.99 V	341	42.3	18.6
8	11440.00	47.8 AV	54.0	-6.2	2.99 V	341	29.2	18.6

Remarks:

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

802.11ax (HE40)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.2 PK	74.0	-17.8	1.69 H	10	52.1	4.1
2	5150.00	42.9 AV	54.0	-11.1	1.69 H	10	38.8	4.1
3	*5270.00	118.0 PK			1.59 H	2	78.9	39.1
4	*5270.00	104.9 AV			1.59 H	2	65.8	39.1
5	#10540.00	60.1 PK	68.2	-8.1	1.91 H	99	41.6	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.3 PK	74.0	-17.7	1.25 V	354	52.2	4.1
2	5150.00	43.0 AV	54.0	-11.0	1.25 V	354	38.9	4.1
3	*5270.00	118.1 PK			1.17 V	359	79.0	39.1
4	*5270.00	105.3 AV			1.17 V	359	66.2	39.1
5	#10540.00	60.3 PK	68.2	-7.9	1.68 V	169	41.8	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	118.2 PK			1.69 H	359	79.0	39.2
2	*5310.00	105.1 AV			1.69 H	359	65.9	39.2
3	5350.00	62.6 PK	74.0	-11.4	1.77 H	8	58.5	4.1
4	5350.00	48.6 AV	54.0	-5.4	1.77 H	8	44.5	4.1
5	10620.00	60.3 PK	74.0	-13.7	1.79 H	120	41.5	18.8
6	10620.00	46.8 AV	54.0	-7.2	1.79 H	120	28.0	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	118.6 PK			1.16 V	359	79.4	39.2
2	*5310.00	105.6 AV			1.16 V	359	66.4	39.2
3	5350.00	62.7 PK	74.0	-11.3	1.21 V	1	58.6	4.1
4	5350.00	48.7 AV	54.0	-5.3	1.21 V	1	44.6	4.1
5	10620.00	60.5 PK	74.0	-13.5	1.88 V	171	41.7	18.8
6	10620.00	46.8 AV	54.0	-7.2	1.88 V	171	28.0	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.9 PK	74.0	-17.1	1.16 H	13	52.4	4.5
2	5460.00	44.5 AV	54.0	-9.5	1.16 H	13	40.0	4.5
3	#5470.00	61.7 PK	68.2	-6.5	1.08 H	20	57.2	4.5
4	*5510.00	116.4 PK			1.24 H	13	76.7	39.7
5	*5510.00	103.2 AV			1.24 H	13	63.5	39.7
6	11020.00	60.6 PK	74.0	-13.4	3.07 H	335	41.5	19.1
7	11020.00	48.4 AV	54.0	-5.6	3.07 H	335	29.3	19.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.8 PK	74.0	-16.2	2.31 V	348	53.3	4.5
2	5460.00	45.5 AV	54.0	-8.5	2.31 V	348	41.0	4.5
3	#5470.00	62.1 PK	68.2	-6.1	2.33 V	360	57.6	4.5
4	*5510.00	117.8 PK			2.32 V	5	78.1	39.7
5	*5510.00	104.4 AV			2.32 V	5	64.7	39.7
6	11020.00	60.9 PK	74.0	-13.1	3.12 V	339	41.8	19.1
7	11020.00	48.2 AV	54.0	-5.8	3.12 V	339	29.1	19.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	115.2 PK			2.73 H	338	75.5	39.7
2	*5550.00	102.9 AV			2.73 H	338	63.2	39.7
3	11100.00	59.3 PK	74.0	-14.7	2.65 H	332	40.7	18.6
4	11100.00	47.1 AV	54.0	-6.9	2.65 H	332	28.5	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	116.1 PK			2.40 V	3	76.4	39.7
2	*5550.00	103.3 AV			2.40 V	3	63.6	39.7
3	11100.00	60.5 PK	74.0	-13.5	3.12 V	343	41.9	18.6
4	11100.00	47.9 AV	54.0	-6.1	3.12 V	343	29.3	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	116.1 PK			3.03 H	334	76.3	39.8
2	*5670.00	103.2 AV			3.03 H	334	63.4	39.8
3	#5725.00	57.3 PK	68.2	-10.9	3.02 H	338	52.6	4.7
4	11340.00	60.1 PK	74.0	-13.9	2.90 H	335	41.4	18.7
5	11340.00	47.6 AV	54.0	-6.4	2.90 H	335	28.9	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	116.6 PK			2.09 V	354	76.8	39.8
2	*5670.00	103.8 AV			2.09 V	354	64.0	39.8
3	#5725.00	57.3 PK	68.2	-10.9	2.03 V	4	52.6	4.7
4	11340.00	60.8 PK	74.0	-13.2	3.06 V	344	42.1	18.7
5	11340.00	48.1 AV	54.0	-5.9	3.06 V	344	29.4	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	55.7 PK	74.0	-18.3	1.99 H	18	51.2	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.99 H	18	39.2	4.5
3	#5470.00	56.0 PK	68.2	-12.2	2.02 H	20	51.5	4.5
4	*5710.00	117.1 PK			1.98 H	15	77.1	40.0
5	*5710.00	104.0 AV			1.98 H	15	64.0	40.0
6	#5850.00	56.7 PK	68.2	-11.5	1.95 H	17	51.4	5.3
7	11420.00	60.7 PK	74.0	-13.3	2.89 H	316	42.2	18.5
8	11420.00	47.6 AV	54.0	-6.4	2.89 H	316	29.1	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.5 PK	74.0	-18.5	1.73 V	6	51.0	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.73 V	6	39.2	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.78 V	10	51.5	4.5
4	*5710.00	116.6 PK			1.71 V	3	76.6	40.0
5	*5710.00	103.6 AV			1.71 V	3	63.6	40.0
6	#5850.00	56.7 PK	68.2	-11.5	1.81 V	11	51.4	5.3
7	11420.00	60.8 PK	74.0	-13.2	3.05 V	341	42.3	18.5
8	11420.00	47.6 AV	54.0	-6.4	3.05 V	341	29.1	18.5

Remarks:

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

802.11ax (HE80)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.7 PK	74.0	-18.3	1.69 H	357	51.6	4.1
2	5150.00	42.7 AV	54.0	-11.3	1.69 H	357	38.6	4.1
3	*5290.00	111.6 PK			1.66 H	2	72.5	39.1
4	*5290.00	102.0 AV			1.66 H	2	62.9	39.1
5	5350.00	58.8 PK	74.0	-15.2	1.53 H	0	54.7	4.1
6	5350.00	46.6 AV	54.0	-7.4	1.53 H	0	42.5	4.1
7	#10580.00	61.0 PK	68.2	-7.2	1.75 H	111	42.2	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.1 PK	74.0	-17.9	1.61 V	355	52.0	4.1
2	5150.00	42.9 AV	54.0	-11.1	1.61 V	355	38.8	4.1
3	*5290.00	114.6 PK			2.25 V	2	75.5	39.1
4	*5290.00	101.9 AV			2.25 V	2	62.8	39.1
5	5350.00	62.1 PK	74.0	-11.9	2.37 V	6	58.0	4.1
6	5350.00	48.9 AV	54.0	-5.1	2.37 V	6	44.8	4.1
7	#10580.00	60.7 PK	68.2	-7.5	1.91 V	153	41.9	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.9 PK	74.0	-14.1	1.29 H	17	55.4	4.5
2	5460.00	48.2 AV	54.0	-5.8	1.29 H	17	43.7	4.5
3	#5470.00	60.2 PK	68.2	-8.0	1.38 H	18	55.7	4.5
4	*5530.00	112.4 PK			1.34 H	17	72.7	39.7
5	*5530.00	99.7 AV			1.34 H	17	60.0	39.7
6	#5725.00	56.3 PK	68.2	-11.9	1.38 H	53	51.6	4.7
7	11060.00	60.7 PK	74.0	-13.3	2.85 H	322	41.8	18.9
8	11060.00	48.1 AV	54.0	-5.9	2.85 H	322	29.2	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.1 PK	74.0	-12.9	2.31 V	347	56.6	4.5
2	5460.00	48.6 AV	54.0	-5.4	2.31 V	347	44.1	4.5
3	#5470.00	66.2 PK	68.2	-2.0	2.32 V	4	61.7	4.5
4	*5530.00	113.5 PK			2.32 V	3	73.8	39.7
5	*5530.00	101.0 AV			2.32 V	3	61.3	39.7
6	#5725.00	56.3 PK	68.2	-11.9	2.35 V	6	51.6	4.7
7	11060.00	60.9 PK	74.0	-13.1	2.95 V	331	42.0	18.9
8	11060.00	48.4 AV	54.0	-5.6	2.95 V	331	29.5	18.9

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.9 PK	74.0	-18.1	1.47 H	10	51.4	4.5
2	5460.00	44.0 AV	54.0	-10.0	1.47 H	10	39.5	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.42 H	8	51.5	4.5
4	*5610.00	112.8 PK			1.39 H	5	73.0	39.8
5	*5610.00	99.5 AV			1.39 H	5	59.7	39.8
6	#5725.00	56.3 PK	68.2	-11.9	1.53 H	13	51.6	4.7
7	11220.00	60.4 PK	74.0	-13.6	2.99 H	331	41.7	18.7
8	11220.00	47.9 AV	54.0	-6.1	2.99 H	331	29.2	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.8 PK	74.0	-18.2	1.88 V	3	51.3	4.5
2	5460.00	43.8 AV	54.0	-10.2	1.88 V	3	39.3	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.86 V	359	51.5	4.5
4	*5610.00	113.1 PK			1.84 V	355	73.3	39.8
5	*5610.00	100.3 AV			1.84 V	355	60.5	39.8
6	#5725.00	58.0 PK	68.2	-10.2	1.96 V	348	53.3	4.7
7	11220.00	60.9 PK	74.0	-13.1	3.11 V	338	42.2	18.7
8	11220.00	48.3 AV	54.0	-5.7	3.11 V	338	29.6	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	55.5 PK	74.0	-18.5	1.93 H	345	51.0	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.93 H	345	39.2	4.5
3	#5470.00	55.8 PK	68.2	-12.4	1.96 H	348	51.3	4.5
4	*5690.00	114.3 PK			1.92 H	343	74.5	39.8
5	*5690.00	101.4 AV			1.92 H	343	61.6	39.8
6	#5850.00	56.6 PK	68.2	-11.6	2.00 H	347	51.3	5.3
7	11380.00	60.7 PK	74.0	-13.3	2.85 H	311	42.2	18.5
8	11380.00	47.6 AV	54.0	-6.4	2.85 H	311	29.1	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.8 PK	74.0	-18.2	1.72 V	6	51.3	4.5
2	5460.00	44.0 AV	54.0	-10.0	1.72 V	6	39.5	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.75 V	10	51.5	4.5
4	*5690.00	112.4 PK			1.70 V	5	72.6	39.8
5	*5690.00	100.1 AV			1.70 V	5	60.3	39.8
6	#5850.00	56.8 PK	68.2	-11.4	1.82 V	11	51.5	5.3
7	11380.00	60.6 PK	74.0	-13.4	3.16 V	340	42.1	18.5
8	11380.00	47.7 AV	54.0	-6.3	3.16 V	340	29.2	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 42+58	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5130.00	58.0 PK	74.0	-16.0	1.51 H	329	54.0	4.0
2	5130.00	46.5 AV	54.0	-7.5	1.51 H	329	42.5	4.0
3	5150.00	57.4 PK	74.0	-16.6	1.61 H	333	53.3	4.1
4	5150.00	46.2 AV	54.0	-7.8	1.61 H	333	42.1	4.1
5	*5210.00	109.2 PK			1.46 H	330	70.0	39.2
6	*5210.00	96.2 AV			1.46 H	330	57.0	39.2
7	*5290.00	109.7 PK			1.30 H	3	70.6	39.1
8	*5290.00	97.1 AV			1.30 H	3	58.0	39.1
9	5350.00	59.1 PK	74.0	-14.9	1.41 H	15	55.0	4.1
10	5350.00	47.1 AV	54.0	-6.9	1.41 H	15	43.0	4.1
11	5370.00	57.5 PK	74.0	-16.5	1.39 H	1	53.3	4.2
12	5370.00	45.2 AV	54.0	-8.8	1.39 H	1	41.0	4.2
13	#10420.00	59.5 PK	68.2	-8.7	1.93 H	202	42.7	16.8
14	#10580.00	59.3 PK	68.2	-8.9	2.23 H	309	41.9	17.4

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5130.00	59.4 PK	74.0	-14.6	1.23 V	17	55.4	4.0
2	5130.00	48.8 AV	54.0	-5.2	1.23 V	17	44.8	4.0
3	5150.00	58.8 PK	74.0	-15.2	1.19 V	20	54.7	4.1
4	5150.00	47.6 AV	54.0	-6.4	1.19 V	20	43.5	4.1
5	*5210.00	111.9 PK			1.11 V	13	72.7	39.2
6	*5210.00	98.7 AV			1.11 V	13	59.5	39.2
7	*5290.00	107.3 PK			1.15 V	15	68.2	39.1
8	*5290.00	93.8 AV			1.15 V	15	54.7	39.1
9	5350.00	58.9 PK	74.0	-15.1	1.21 V	19	54.8	4.1
10	5350.00	46.9 AV	54.0	-7.1	1.21 V	19	42.8	4.1
11	5370.00	59.8 PK	74.0	-14.2	1.15 V	16	55.6	4.2
12	5370.00	47.6 AV	54.0	-6.4	1.15 V	16	43.4	4.2
13	#10420.00	59.8 PK	68.2	-8.4	1.69 V	103	43.0	16.8
14	#10580.00	58.9 PK	68.2	-9.3	1.44 V	123	41.5	17.4

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5370.00	56.2 PK	74.0	-17.8	2.99 H	351	52.0	4.2
2	5370.00	45.3 AV	54.0	-8.7	2.99 H	351	41.1	4.2
3	5460.00	58.0 PK	74.0	-16.0	3.15 H	344	53.5	4.5
4	5460.00	45.4 AV	54.0	-8.6	3.15 H	344	40.9	4.5
5	#5470.00	59.0 PK	68.2	-9.2	3.03 H	343	54.5	4.5
6	*5530.00	111.9 PK			3.11 H	339	72.2	39.7
7	*5530.00	98.7 AV			3.11 H	339	59.0	39.7
8	*5610.00	110.2 PK			3.01 H	51	70.4	39.8
9	*5610.00	96.8 AV			3.01 H	51	57.0	39.8
10	#5725.00	58.5 PK	68.2	-9.7	2.95 H	66	53.8	4.7
11	11060.00	59.1 PK	74.0	-14.9	2.03 H	222	41.7	17.4
12	11060.00	46.1 AV	54.0	-7.9	2.03 H	222	28.7	17.4
13	11220.00	59.2 PK	74.0	-14.8	2.65 H	119	42.3	16.9
14	11220.00	45.9 AV	54.0	-8.1	2.65 H	119	29.0	16.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5370.00	59.7 PK	74.0	-14.3	1.21 V	3	55.5	4.2
2	5370.00	50.5 AV	54.0	-3.5	1.21 V	3	46.3	4.2
3	5460.00	61.5 PK	74.0	-12.5	1.17 V	5	57.0	4.5
4	5460.00	48.0 AV	54.0	-6.0	1.17 V	5	43.5	4.5
5	#5470.00	62.0 PK	68.2	-6.2	1.20 V	1	57.5	4.5
6	*5530.00	111.7 PK			1.15 V	359	72.0	39.7
7	*5530.00	98.2 AV			1.15 V	359	58.5	39.7
8	*5610.00	108.0 PK			1.93 V	306	68.2	39.8
9	*5610.00	95.2 AV			1.93 V	306	55.4	39.8
10	#5725.00	56.7 PK	68.2	-11.5	1.88 V	315	52.0	4.7
11	11060.00	59.0 PK	74.0	-15.0	1.59 V	159	41.6	17.4
12	11060.00	46.2 AV	54.0	-7.8	1.59 V	159	28.8	17.4
13	11220.00	59.1 PK	74.0	-14.9	1.61 V	199	42.2	16.9
14	11220.00	45.7 AV	54.0	-8.3	1.61 V	199	28.8	16.9

Remarks:

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

Test Mode A

5G traffic radio: Beamforming Mode

802.11ax (HE20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.3 PK	74.0	-17.7	1.88 H	2	52.2	4.1
2	5150.00	42.8 AV	54.0	-11.2	1.88 H	2	38.7	4.1
3	*5260.00	115.1 PK			1.86 H	360	76.1	39.0
4	*5260.00	102.6 AV			1.86 H	360	63.6	39.0
5	#10520.00	60.0 PK	68.2	-8.2	3.21 H	202	41.7	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.3 PK	74.0	-17.7	1.42 V	344	52.2	4.1
2	5150.00	42.8 AV	54.0	-11.2	1.42 V	344	38.7	4.1
3	*5260.00	113.7 PK			1.35 V	342	74.7	39.0
4	*5260.00	101.3 AV			1.35 V	342	62.3	39.0
5	#10520.00	59.8 PK	68.2	-8.4	3.11 V	146	41.5	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	114.4 PK			1.75 H	287	75.3	39.1
2	*5300.00	101.9 AV			1.75 H	287	62.8	39.1
3	10600.00	60.7 PK	74.0	-13.3	3.16 H	212	41.8	18.9
4	10600.00	47.9 AV	54.0	-6.1	3.16 H	212	29.0	18.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	114.7 PK			1.08 V	348	75.6	39.1
2	*5300.00	102.3 AV			1.08 V	348	63.2	39.1
3	10600.00	60.7 PK	74.0	-13.3	3.25 V	154	41.8	18.9
4	10600.00	47.8 AV	54.0	-6.2	3.25 V	154	28.9	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	114.6 PK			1.96 H	360	75.4	39.2
2	*5320.00	102.0 AV			1.96 H	360	62.8	39.2
3	5350.00	55.9 PK	74.0	-18.1	1.92 H	349	51.8	4.1
4	5350.00	44.8 AV	54.0	-9.2	1.92 H	349	40.7	4.1
5	10640.00	60.4 PK	74.0	-13.6	3.11 H	216	41.8	18.6
6	10640.00	47.7 AV	54.0	-6.3	3.11 H	216	29.1	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	113.8 PK			1.17 V	347	74.6	39.2
2	*5320.00	102.0 AV			1.17 V	347	62.8	39.2
3	5350.00	58.1 PK	74.0	-15.9	1.09 V	328	54.0	4.1
4	5350.00	44.8 AV	54.0	-9.2	1.09 V	328	40.7	4.1
5	10640.00	60.4 PK	74.0	-13.6	3.20 V	142	41.8	18.6
6	10640.00	47.4 AV	54.0	-6.6	3.20 V	142	28.8	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	1.43 H	293	51.5	4.5
2	5460.00	43.5 AV	54.0	-10.5	1.43 H	293	39.0	4.5
3	#5470.00	56.5 PK	68.2	-11.7	1.40 H	291	52.0	4.5
4	*5500.00	111.1 PK			1.38 H	288	71.4	39.7
5	*5500.00	98.9 AV			1.38 H	288	59.2	39.7
6	11000.00	61.4 PK	74.0	-12.6	2.93 H	196	42.1	19.3
7	11000.00	48.4 AV	54.0	-5.6	2.93 H	196	29.1	19.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	1.41 V	353	51.5	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.41 V	353	39.2	4.5
3	#5470.00	56.2 PK	68.2	-12.0	1.38 V	357	51.7	4.5
4	*5500.00	111.4 PK			1.35 V	355	71.7	39.7
5	*5500.00	98.4 AV			1.35 V	355	58.7	39.7
6	11000.00	61.0 PK	74.0	-13.0	3.02 V	139	41.7	19.3
7	11000.00	48.2 AV	54.0	-5.8	3.02 V	139	28.9	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	113.0 PK			1.20 H	283	73.3	39.7
2	*5580.00	100.9 AV			1.20 H	283	61.2	39.7
3	11160.00	60.3 PK	74.0	-13.7	3.31 H	212	41.7	18.6
4	11160.00	47.4 AV	54.0	-6.6	3.31 H	212	28.8	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	112.6 PK			1.09 V	352	72.9	39.7
2	*5580.00	100.5 AV			1.09 V	352	60.8	39.7
3	11160.00	60.3 PK	74.0	-13.7	3.20 V	155	41.7	18.6
4	11160.00	47.4 AV	54.0	-6.6	3.20 V	155	28.8	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	111.0 PK			1.30 H	282	71.2	39.8
2	*5700.00	99.1 AV			1.30 H	282	59.3	39.8
3	#5725.00	56.9 PK	68.2	-11.3	1.29 H	328	52.2	4.7
4	11400.00	60.6 PK	74.0	-13.4	2.35 H	226	42.1	18.5
5	11400.00	47.2 AV	54.0	-6.8	2.35 H	226	28.7	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	108.4 PK			1.13 V	347	68.6	39.8
2	*5700.00	96.8 AV			1.13 V	347	57.0	39.8
3	#5725.00	57.4 PK	68.2	-10.8	1.13 V	338	52.7	4.7
4	11400.00	60.3 PK	74.0	-13.7	3.12 V	163	41.8	18.5
5	11400.00	47.5 AV	54.0	-6.5	3.12 V	163	29.0	18.5

Remarks:

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

CHANNEL	TX Channel 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	5460.00	55.5 PK	74.0	-18.5	3.02 H	338	51.0	4.5
2	5460.00	43.6 AV	54.0	-10.4	3.02 H	338	39.1	4.5
3	#5470.00	56.0 PK	68.2	-12.2	3.09 H	341	51.5	4.5
4	*5720.00	110.2 PK			2.99 H	335	70.2	40.0
5	*5720.00	98.5 AV			2.99 H	335	58.5	40.0
6	#5850.00	56.7 PK	68.2	-11.5	2.98 H	335	51.4	5.3
7	11440.00	61.1 PK	74.0	-12.9	3.21 H	155	42.5	18.6
8	11440.00	48.0 AV	54.0	-6.0	3.21 H	155	29.4	18.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.7 PK	74.0	-18.3	1.33 V	351	51.2	4.5
2	5460.00	43.9 AV	54.0	-10.1	1.33 V	351	39.4	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.36 V	355	51.5	4.5
4	*5720.00	111.1 PK			1.31 V	353	71.1	40.0
5	*5720.00	98.9 AV			1.31 V	353	58.9	40.0
6	#5850.00	56.7 PK	68.2	-11.5	1.40 V	348	51.4	5.3
7	11440.00	61.0 PK	74.0	-13.0	3.22 V	215	42.4	18.6
8	11440.00	47.9 AV	54.0	-6.1	3.22 V	215	29.3	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 (HE40)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.7 PK	74.0	-18.3	1.90 H	10	51.6	4.1
2	5150.00	42.7 AV	54.0	-11.3	1.90 H	10	38.6	4.1
3	*5270.00	111.1 PK			1.85 H	3	72.0	39.1
4	*5270.00	99.9 AV			1.85 H	3	60.8	39.1
5	#10540.00	60.3 PK	68.2	-7.9	3.16 H	223	41.8	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.0 PK	74.0	-18.0	1.26 V	5	51.9	4.1
2	5150.00	43.1 AV	54.0	-10.9	1.26 V	5	39.0	4.1
3	*5270.00	109.8 PK			1.05 V	9	70.7	39.1
4	*5270.00	97.4 AV			1.05 V	9	58.3	39.1
5	#10540.00	60.5 PK	68.2	-7.7	3.12 V	219	42.0	18.5

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	111.0 PK			1.91 H	358	71.8	39.2
2	*5310.00	100.4 AV			1.91 H	358	61.2	39.2
3	5350.00	57.8 PK	74.0	-16.2	1.74 H	359	53.7	4.1
4	5350.00	45.4 AV	54.0	-8.6	1.74 H	359	41.3	4.1
5	10620.00	60.6 PK	74.0	-13.4	3.22 H	208	41.8	18.8
6	10620.00	47.9 AV	54.0	-6.1	3.22 H	208	29.1	18.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	111.6 PK			1.19 V	348	72.4	39.2
2	*5310.00	98.8 AV			1.19 V	348	59.6	39.2
3	5350.00	59.8 PK	74.0	-14.2	1.22 V	327	55.7	4.1
4	5350.00	45.2 AV	54.0	-8.8	1.22 V	327	41.1	4.1
5	10620.00	60.9 PK	74.0	-13.1	3.26 V	153	42.1	18.8
6	10620.00	47.8 AV	54.0	-6.2	3.26 V	153	29.0	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.8 PK	74.0	-17.2	1.40 H	283	52.3	4.5
2	5460.00	43.3 AV	54.0	-10.7	1.40 H	283	38.8	4.5
3	#5470.00	60.3 PK	68.2	-7.9	1.38 H	288	55.8	4.5
4	*5510.00	108.7 PK			1.41 H	291	69.0	39.7
5	*5510.00	96.1 AV			1.41 H	291	56.4	39.7
6	11020.00	60.8 PK	74.0	-13.2	3.13 H	220	41.7	19.1
7	11020.00	47.7 AV	54.0	-6.3	3.13 H	220	28.6	19.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.0 PK	74.0	-13.0	1.30 V	323	56.5	4.5
2	5460.00	43.8 AV	54.0	-10.2	1.30 V	323	39.3	4.5
3	#5470.00	64.6 PK	68.2	-3.6	1.32 V	326	60.1	4.5
4	*5510.00	108.7 PK			1.30 V	323	69.0	39.7
5	*5510.00	96.1 AV			1.30 V	323	56.4	39.7
6	11020.00	60.9 PK	74.0	-13.1	3.13 V	159	41.8	19.1
7	11020.00	48.2 AV	54.0	-5.8	3.13 V	159	29.1	19.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	108.9 PK			1.25 H	285	69.2	39.7
2	*5550.00	96.4 AV			1.25 H	285	56.7	39.7
3	11100.00	60.5 PK	74.0	-13.5	3.16 H	231	41.9	18.6
4	11100.00	47.6 AV	54.0	-6.4	3.16 H	231	29.0	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	108.5 PK			1.30 V	323	68.8	39.7
2	*5550.00	95.7 AV			1.30 V	323	56.0	39.7
3	11100.00	60.5 PK	74.0	-13.5	3.10 V	161	41.9	18.6
4	11100.00	47.4 AV	54.0	-6.6	3.10 V	161	28.8	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	108.7 PK			1.40 H	282	68.9	39.8
2	*5670.00	95.8 AV			1.40 H	282	56.0	39.8
3	#5725.00	56.4 PK	68.2	-11.8	1.42 H	285	51.7	4.7
4	11340.00	60.4 PK	74.0	-13.6	3.09 H	205	41.7	18.7
5	11340.00	47.5 AV	54.0	-6.5	3.09 H	205	28.8	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	107.3 PK			1.30 V	306	67.5	39.8
2	*5670.00	93.9 AV			1.30 V	306	54.1	39.8
3	#5725.00	56.7 PK	68.2	-11.5	1.32 V	310	52.0	4.7
4	11340.00	60.5 PK	74.0	-13.5	2.97 V	137	41.8	18.7
5	11340.00	47.5 AV	54.0	-6.5	2.97 V	137	28.8	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	55.7 PK	74.0	-18.3	2.89 H	344	51.2	4.5
2	5460.00	43.7 AV	54.0	-10.3	2.89 H	344	39.2	4.5
3	#5470.00	56.0 PK	68.2	-12.2	3.05 H	349	51.5	4.5
4	*5710.00	107.0 PK			3.01 H	342	67.0	40.0
5	*5710.00	95.0 AV			3.01 H	342	55.0	40.0
6	#5850.00	56.7 PK	68.2	-11.5	2.92 H	339	51.4	5.3
7	11420.00	60.9 PK	74.0	-13.1	3.19 H	159	42.4	18.5
8	11420.00	47.8 AV	54.0	-6.2	3.19 H	159	29.3	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.9 PK	74.0	-18.1	1.33 V	352	51.4	4.5
2	5460.00	44.0 AV	54.0	-10.0	1.33 V	352	39.5	4.5
3	#5470.00	56.1 PK	68.2	-12.1	1.36 V	355	51.6	4.5
4	*5710.00	108.2 PK			1.28 V	354	68.2	40.0
5	*5710.00	96.0 AV			1.28 V	354	56.0	40.0
6	#5850.00	56.8 PK	68.2	-11.4	1.29 V	349	51.5	5.3
7	11420.00	60.9 PK	74.0	-13.1	3.12 V	219	42.4	18.5
8	11420.00	47.9 AV	54.0	-6.1	3.12 V	219	29.4	18.5

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.6 PK	74.0	-18.4	1.95 H	6	51.5	4.1
2	5150.00	42.7 AV	54.0	-11.3	1.95 H	6	38.6	4.1
3	*5290.00	110.0 PK			1.91 H	2	70.9	39.1
4	*5290.00	95.8 AV			1.91 H	2	56.7	39.1
5	5350.00	57.1 PK	74.0	-16.9	1.91 H	346	53.0	4.1
6	5350.00	44.9 AV	54.0	-9.1	1.91 H	346	40.8	4.1
7	#10580.00	60.8 PK	68.2	-7.4	3.16 H	209	42.0	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.4 PK	74.0	-18.6	1.31 V	15	51.3	4.1
2	5150.00	42.6 AV	54.0	-11.4	1.31 V	15	38.5	4.1
3	*5290.00	108.4 PK			1.27 V	10	69.3	39.1
4	*5290.00	94.3 AV			1.27 V	10	55.2	39.1
5	5350.00	58.0 PK	74.0	-16.0	1.22 V	351	53.9	4.1
6	5350.00	45.0 AV	54.0	-9.0	1.22 V	351	40.9	4.1
7	#10580.00	60.6 PK	68.2	-7.6	2.99 V	132	41.8	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	63.0 PK	74.0	-11.0	1.49 H	291	58.5	4.5
2	5460.00	45.3 AV	54.0	-8.7	1.49 H	291	40.8	4.5
3	#5470.00	65.2 PK	68.2	-3.0	1.51 H	288	60.7	4.5
4	*5530.00	108.1 PK			1.39 H	284	68.4	39.7
5	*5530.00	98.4 AV			1.39 H	284	58.7	39.7
6	#5725.00	56.7 PK	68.2	-11.5	1.39 H	301	52.0	4.7
7	11060.00	59.9 PK	74.0	-14.1	2.88 H	277	41.0	18.9
8	11060.00	46.9 AV	54.0	-7.1	2.88 H	277	28.0	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	63.6 PK	74.0	-10.4	1.43 V	310	59.1	4.5
2	5460.00	45.5 AV	54.0	-8.5	1.43 V	310	41.0	4.5
3	#5470.00	65.5 PK	68.2	-2.7	1.50 V	299	61.0	4.5
4	*5530.00	109.7 PK			1.31 V	320	70.0	39.7
5	*5530.00	99.4 AV			1.31 V	320	59.7	39.7
6	#5725.00	56.9 PK	68.2	-11.3	1.39 V	297	52.2	4.7
7	11060.00	60.0 PK	74.0	-14.0	2.55 V	221	41.1	18.9
8	11060.00	47.1 AV	54.0	-6.9	2.55 V	221	28.2	18.9

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.5 PK	74.0	-17.5	1.51 H	293	52.0	4.5
2	5460.00	43.5 AV	54.0	-10.5	1.51 H	293	39.0	4.5
3	#5470.00	56.4 PK	68.2	-11.8	1.39 H	294	51.9	4.5
4	*5610.00	107.3 PK			1.43 H	281	67.5	39.8
5	*5610.00	98.0 AV			1.43 H	281	58.2	39.8
6	#5725.00	55.6 PK	68.2	-12.6	1.57 H	301	50.9	4.7
7	11220.00	60.2 PK	74.0	-13.8	2.91 H	216	41.5	18.7
8	11220.00	47.0 AV	54.0	-7.0	2.91 H	216	28.3	18.7
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.8 PK	74.0	-17.2	1.31 V	297	52.3	4.5
2	5460.00	43.5 AV	54.0	-10.5	1.31 V	297	39.0	4.5
3	#5470.00	57.0 PK	68.2	-11.2	1.33 V	301	52.5	4.5
4	*5610.00	108.4 PK			1.22 V	321	68.6	39.8
5	*5610.00	98.8 AV			1.22 V	321	59.0	39.8
6	#5725.00	56.7 PK	68.2	-11.5	1.28 V	314	52.0	4.7
7	11220.00	60.6 PK	74.0	-13.4	2.85 V	209	41.9	18.7
8	11220.00	47.2 AV	54.0	-6.8	2.85 V	209	28.5	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	55.7 PK	74.0	-18.3	3.19 H	344	51.2	4.5
2	5460.00	43.8 AV	54.0	-10.2	3.19 H	344	39.3	4.5
3	#5470.00	56.0 PK	68.2	-12.2	3.20 H	348	51.5	4.5
4	*5690.00	103.4 PK			3.23 H	341	63.6	39.8
5	*5690.00	90.7 AV			3.23 H	341	50.9	39.8
6	#5850.00	56.7 PK	68.2	-11.5	3.15 H	351	51.4	5.3
7	11380.00	60.8 PK	74.0	-13.2	3.22 H	163	42.3	18.5
8	11380.00	47.7 AV	54.0	-6.3	3.22 H	163	29.2	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.8 PK	74.0	-18.2	1.99 V	316	51.3	4.5
2	5460.00	43.8 AV	54.0	-10.2	1.99 V	316	39.3	4.5
3	#5470.00	56.0 PK	68.2	-12.2	2.00 V	311	51.5	4.5
4	*5690.00	105.0 PK			1.94 V	312	65.2	39.8
5	*5690.00	93.0 AV			1.94 V	312	53.2	39.8
6	#5850.00	56.7 PK	68.2	-11.5	1.92 V	309	51.4	5.3
7	11380.00	61.0 PK	74.0	-13.0	3.16 V	220	42.5	18.5
8	11380.00	48.0 AV	54.0	-6.0	3.16 V	220	39.5	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 42+58	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5130.00	61.0 PK	74.0	-13.0	1.26 H	21	57.0	4.0
2	5130.00	52.3 AV	54.0	-1.7	1.26 H	21	48.3	4.0
3	*5210.00	108.0 PK			1.59 H	294	68.8	39.2
4	*5210.00	95.1 AV			1.59 H	294	55.9	39.2
5	*5290.00	105.1 PK			2.64 H	26	66.0	39.1
6	*5290.00	93.5 AV			2.64 H	26	54.4	39.1
7	5350.00	56.6 PK	74.0	-17.4	2.23 H	101	52.5	4.1
8	5350.00	45.2 AV	54.0	-8.8	2.23 H	101	41.1	4.1
9	#10420.00	60.2 PK	68.2	-8.0	2.88 H	223	42.6	17.6
10	#10580.00	61.3 PK	68.2	-6.9	3.31 H	163	42.5	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5130.00	62.0 PK	74.0	-12.0	1.66 V	303	58.0	4.0
2	5130.00	52.0 AV	54.0	-2.0	1.66 V	303	48.0	4.0
3	*5210.00	106.8 PK			1.50 V	20	67.6	39.2
4	*5210.00	95.2 AV			1.50 V	20	56.0	39.2
5	*5290.00	104.1 PK			1.66 V	331	65.0	39.1
6	*5290.00	92.1 AV			1.66 V	331	53.0	39.1
7	5350.00	58.1 PK	74.0	-15.9	1.69 V	303	54.0	4.1
8	5350.00	43.5 AV	54.0	-10.5	1.69 V	303	39.4	4.1
9	#10420.00	60.1 PK	68.2	-8.1	2.20 V	193	42.5	17.6
10	#10580.00	61.1 PK	68.2	-7.1	3.09 V	177	42.3	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5370.00	57.5 PK	74.0	-16.5	1.60 H	282	53.3	4.2
2	5370.00	51.6 AV	54.0	-2.4	1.60 H	282	47.4	4.2
3	5460.00	55.8 PK	74.0	-18.2	1.62 H	286	51.3	4.5
4	5460.00	43.8 AV	54.0	-10.2	1.62 H	286	39.3	4.5
5	#5470.00	57.0 PK	68.2	-11.2	1.65 H	292	52.5	4.5
6	*5530.00	103.0 PK			1.47 H	289	63.3	39.7
7	*5530.00	92.2 AV			1.47 H	289	52.5	39.7
8	*5610.00	99.7 PK			2.88 H	5	59.9	39.8
9	*5610.00	87.3 AV			2.88 H	5	47.5	39.8
10	#5725.00	56.5 PK	68.2	-11.7	2.91 H	8	51.8	4.7
11	11060.00	60.7 PK	74.0	-13.3	3.06 H	202	41.8	18.9
12	11060.00	47.9 AV	54.0	-6.1	3.06 H	202	29.0	18.9
13	11220.00	60.5 PK	74.0	-13.5	3.16 H	203	41.8	18.7
14	11220.00	47.7 AV	54.0	-6.3	3.16 H	203	29.0	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5375.00	57.5 PK	74.0	-16.5	1.29 V	330	53.3	4.2
2	5375.00	48.0 AV	54.0	-6.0	1.29 V	330	43.8	4.2
3	5460.00	55.8 PK	74.0	-18.2	1.26 V	3	51.3	4.5
4	5460.00	43.8 AV	54.0	-10.2	1.26 V	3	39.3	4.5
5	#5470.00	64.4 PK	68.2	-3.8	1.30 V	354	59.9	4.5
6	*5530.00	103.3 PK			1.26 V	327	63.6	39.7
7	*5530.00	91.7 AV			1.26 V	327	52.0	39.7
8	*5610.00	99.1 PK			1.36 V	308	59.3	39.8
9	*5610.00	86.8 AV			1.36 V	308	47.0	39.8
10	#5725.00	56.3 PK	68.2	-11.9	1.40 V	311	51.6	4.7
11	11060.00	60.8 PK	74.0	-13.2	2.99 V	206	41.9	18.9
12	11060.00	47.9 AV	54.0	-6.1	2.99 V	206	29.0	18.9
13	11220.00	60.7 PK	74.0	-13.3	3.03 V	210	42.0	18.7
14	11220.00	47.8 AV	54.0	-6.2	3.03 V	210	29.1	18.7

Remarks:

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

Scanning radio: CDD Mode

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.2 PK	74.0	-18.8	3.30 H	345	51.1	4.1
2	5150.00	42.7 AV	54.0	-11.3	3.30 H	345	38.6	4.1
3	*5260.00	100.8 PK			3.28 H	343	61.8	39.0
4	*5260.00	90.7 AV			3.28 H	343	51.7	39.0
5	#10520.00	59.8 PK	68.2	-8.4	2.99 H	153	41.5	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.1 PK	74.0	-18.9	2.29 V	356	51.0	4.1
2	5150.00	42.4 AV	54.0	-11.6	2.29 V	356	38.3	4.1
3	*5260.00	102.0 PK			2.15 V	355	63.0	39.0
4	*5260.00	91.6 AV			2.15 V	355	52.6	39.0
5	#10520.00	59.6 PK	68.2	-8.6	3.02 V	205	41.3	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	101.0 PK			3.07 H	342	61.9	39.1
2	*5300.00	90.9 AV			3.07 H	342	51.8	39.1
3	10600.00	59.9 PK	74.0	-14.1	2.69 H	177	41.0	18.9
4	10600.00	47.6 AV	54.0	-6.4	2.69 H	177	28.7	18.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	103.0 PK			2.47 V	359	63.9	39.1
2	*5300.00	92.9 AV			2.47 V	359	53.8	39.1
3	10600.00	60.1 PK	74.0	-13.9	3.06 V	210	41.2	18.9
4	10600.00	47.9 AV	54.0	-6.1	3.06 V	210	29.0	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	100.2 PK			3.19 H	344	61.0	39.2
2	*5320.00	90.2 AV			3.19 H	344	51.0	39.2
3	5350.00	56.1 PK	74.0	-17.9	3.33 H	352	52.0	4.1
4	5350.00	42.4 AV	54.0	-11.6	3.33 H	352	38.3	4.1
5	10640.00	59.6 PK	74.0	-14.4	3.01 H	161	41.0	18.6
6	10640.00	47.4 AV	54.0	-6.6	3.01 H	161	28.8	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	102.4 PK			2.57 V	359	63.2	39.2
2	*5320.00	98.1 AV			2.57 V	359	58.9	39.2
3	5350.00	56.8 PK	74.0	-17.2	2.61 V	1	52.7	4.1
4	5350.00	43.8 AV	54.0	-10.2	2.61 V	1	39.7	4.1
5	10640.00	59.9 PK	74.0	-14.1	3.11 V	213	41.3	18.6
6	10640.00	47.8 AV	54.0	-6.2	3.11 V	213	29.2	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.7 PK	74.0	-18.3	2.98 H	349	51.2	4.5
2	5460.00	42.4 AV	54.0	-11.6	2.98 H	349	37.9	4.5
3	#5470.00	56.0 PK	68.2	-12.2	3.09 H	352	51.5	4.5
4	*5500.00	102.5 PK			3.01 H	343	62.8	39.7
5	*5500.00	92.2 AV			3.01 H	343	52.5	39.7
6	11000.00	60.9 PK	74.0	-13.1	2.85 H	161	41.6	19.3
7	11000.00	47.6 AV	54.0	-6.4	2.85 H	161	28.3	19.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.5 PK	74.0	-17.5	2.83 V	3	52.0	4.5
2	5460.00	42.5 AV	54.0	-11.5	2.83 V	3	38.0	4.5
3	#5470.00	56.5 PK	68.2	-11.7	2.81 V	357	52.0	4.5
4	*5500.00	104.6 PK			2.79 V	6	64.9	39.7
5	*5500.00	94.4 AV			2.79 V	6	54.7	39.7
6	11000.00	61.1 PK	74.0	-12.9	2.68 V	222	41.8	19.3
7	11000.00	47.9 AV	54.0	-6.1	2.68 V	222	28.6	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	101.3 PK			3.03 H	345	61.6	39.7
2	*5580.00	91.2 AV			3.03 H	345	51.5	39.7
3	11160.00	60.3 PK	74.0	-13.7	2.77 H	153	41.7	18.6
4	11160.00	47.1 AV	54.0	-6.9	2.77 H	153	28.5	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	103.5 PK			2.58 V	4	63.8	39.7
2	*5580.00	93.6 AV			2.58 V	4	53.9	39.7
3	11160.00	60.6 PK	74.0	-13.4	2.71 V	230	42.0	18.6
4	11160.00	47.3 AV	54.0	-6.7	2.71 V	230	28.7	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	101.1 PK			2.97 H	350	61.3	39.8
2	*5700.00	91.1 AV			2.97 H	350	51.3	39.8
3	#5725.00	56.3 PK	68.2	-11.9	3.13 H	344	51.6	4.7
4	11400.00	60.0 PK	74.0	-14.0	2.82 H	153	41.5	18.5
5	11400.00	47.0 AV	54.0	-7.0	2.82 H	153	28.5	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	103.5 PK			2.64 V	5	63.7	39.8
2	*5700.00	93.5 AV			2.64 V	5	53.7	39.8
3	#5725.00	56.7 PK	68.2	-11.5	2.77 V	2	52.0	4.7
4	11400.00	60.1 PK	74.0	-13.9	2.57 V	213	41.6	18.5
5	11400.00	47.2 AV	54.0	-6.8	2.57 V	213	28.7	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	55.7 PK	74.0	-18.3	3.20 H	19	51.2	4.5
2	5460.00	43.7 AV	54.0	-10.3	3.20 H	19	39.2	4.5
3	#5470.00	55.9 PK	68.2	-12.3	3.22 H	22	51.4	4.5
4	*5720.00	99.1 PK			3.18 H	17	59.1	40.0
5	*5720.00	88.8 AV			3.18 H	17	48.8	40.0
6	#5850.00	56.7 PK	68.2	-11.5	3.25 H	26	51.4	5.3
7	11440.00	60.8 PK	74.0	-13.2	3.02 H	166	42.2	18.6
8	11440.00	47.6 AV	54.0	-6.4	3.02 H	166	29.0	18.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.7 PK	74.0	-18.3	2.76 V	339	51.2	4.5
2	5460.00	43.8 AV	54.0	-10.2	2.76 V	339	39.3	4.5
3	#5470.00	56.0 PK	68.2	-12.2	2.80 V	340	51.5	4.5
4	*5720.00	103.7 PK			2.73 V	336	63.7	40.0
5	*5720.00	93.3 AV			2.73 V	336	53.3	40.0
6	#5850.00	56.7 PK	68.2	-11.5	2.72 V	332	51.4	5.3
7	11440.00	60.8 PK	74.0	-13.2	3.13 V	220	42.2	18.6
8	11440.00	47.7 AV	54.0	-6.3	3.13 V	220	29.1	18.6

Remarks:

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

802.11n (HT20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.2 PK	74.0	-18.8	3.43 H	353	51.1	4.1
2	5150.00	42.1 AV	54.0	-11.9	3.43 H	353	38.0	4.1
3	*5260.00	100.2 PK			3.30 H	346	61.2	39.0
4	*5260.00	90.2 AV			3.30 H	346	51.2	39.0
5	#10520.00	59.5 PK	68.2	-8.7	2.88 H	171	41.2	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.6 PK	74.0	-18.4	2.12 V	356	51.5	4.1
2	5150.00	42.3 AV	54.0	-11.7	2.12 V	356	38.2	4.1
3	*5260.00	102.2 PK			2.15 V	355	63.2	39.0
4	*5260.00	91.3 AV			2.15 V	355	52.3	39.0
5	#10520.00	59.7 PK	68.2	-8.5	3.15 V	216	41.4	18.3

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	100.2 PK			3.42 H	344	61.1	39.1
2	*5300.00	89.7 AV			3.42 H	344	50.6	39.1
3	10600.00	60.0 PK	74.0	-14.0	2.89 H	159	41.1	18.9
4	10600.00	47.6 AV	54.0	-6.4	2.89 H	159	28.7	18.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	102.8 PK			2.48 V	358	63.7	39.1
2	*5300.00	92.4 AV			2.48 V	358	53.3	39.1
3	10600.00	60.3 PK	74.0	-13.7	3.16 V	221	41.4	18.9
4	10600.00	47.9 AV	54.0	-6.1	3.16 V	221	29.0	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	99.4 PK			3.21 H	345	60.2	39.2
2	*5320.00	89.4 AV			3.21 H	345	50.2	39.2
3	5350.00	55.0 PK	74.0	-19.0	3.31 H	351	50.9	4.1
4	5350.00	42.8 AV	54.0	-11.2	3.31 H	351	38.7	4.1
5	10640.00	60.1 PK	74.0	-13.9	2.93 H	171	41.5	18.6
6	10640.00	47.4 AV	54.0	-6.6	2.93 H	171	28.8	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	102.0 PK			2.43 V	360	62.8	39.2
2	*5320.00	91.9 AV			2.43 V	360	52.7	39.2
3	5350.00	55.6 PK	74.0	-18.4	2.46 V	3	51.5	4.1
4	5350.00	43.3 AV	54.0	-10.7	2.46 V	3	39.2	4.1
5	10640.00	60.3 PK	74.0	-13.7	3.11 V	212	41.7	18.6
6	10640.00	47.6 AV	54.0	-6.4	3.11 V	212	29.0	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.8 PK	74.0	-18.2	3.03 H	350	51.3	4.5
2	5460.00	42.5 AV	54.0	-11.5	3.03 H	350	38.0	4.5
3	#5470.00	55.9 PK	68.2	-12.3	3.14 H	349	51.4	4.5
4	*5500.00	101.8 PK			3.10 H	345	62.1	39.7
5	*5500.00	91.0 AV			3.10 H	345	51.3	39.7
6	11000.00	61.1 PK	74.0	-12.9	2.91 H	170	41.8	19.3
7	11000.00	47.9 AV	54.0	-6.1	2.91 H	170	28.6	19.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.3 PK	74.0	-17.7	2.77 V	359	51.8	4.5
2	5460.00	42.6 AV	54.0	-11.4	2.77 V	359	38.1	4.5
3	#5470.00	56.4 PK	68.2	-11.8	2.81 V	1	51.9	4.5
4	*5500.00	103.9 PK			2.78 V	4	64.2	39.7
5	*5500.00	93.2 AV			2.78 V	4	53.5	39.7
6	11000.00	61.3 PK	74.0	-12.7	2.77 V	235	42.0	19.3
7	11000.00	48.0 AV	54.0	-6.0	2.77 V	235	28.7	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	102.5 PK			3.00 H	345	62.8	39.7
2	*5580.00	90.9 AV			3.00 H	345	51.2	39.7
3	11160.00	59.9 PK	74.0	-14.1	2.69 H	159	41.3	18.6
4	11160.00	46.8 AV	54.0	-7.2	2.69 H	159	28.2	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	103.8 PK			2.48 V	4	64.1	39.7
2	*5580.00	93.4 AV			2.48 V	4	53.7	39.7
3	11160.00	60.2 PK	74.0	-13.8	2.59 V	220	41.6	18.6
4	11160.00	46.9 AV	54.0	-7.1	2.59 V	220	28.3	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	100.8 PK			3.03 H	349	61.0	39.8
2	*5700.00	91.0 AV			3.03 H	349	51.2	39.8
3	#5725.00	56.5 PK	68.2	-11.7	2.96 H	353	51.8	4.7
4	11400.00	60.5 PK	74.0	-13.5	2.75 H	168	42.0	18.5
5	11400.00	46.7 AV	54.0	-7.3	2.75 H	168	28.2	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	103.1 PK			2.63 V	6	63.3	39.8
2	*5700.00	93.2 AV			2.63 V	6	53.4	39.8
3	#5725.00	56.9 PK	68.2	-11.3	2.58 V	3	52.2	4.7
4	11400.00	60.6 PK	74.0	-13.4	2.58 V	219	42.1	18.5
5	11400.00	47.0 AV	54.0	-7.0	2.58 V	219	28.5	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	56.0 PK	74.0	-18.0	3.40 H	190	51.5	4.5
2	5460.00	43.7 AV	54.0	-10.3	3.40 H	190	39.2	4.5
3	#5470.00	56.1 PK	68.2	-12.1	3.42 H	192	51.6	4.5
4	*5720.00	98.7 PK			3.36 H	187	58.7	40.0
5	*5720.00	88.8 AV			3.36 H	187	48.8	40.0
6	#5850.00	56.6 PK	68.2	-11.6	3.32 H	182	51.3	5.3
7	11440.00	60.9 PK	74.0	-13.1	3.05 H	159	42.3	18.6
8	11440.00	47.7 AV	54.0	-6.3	3.05 H	159	29.1	18.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.7 PK	74.0	-18.3	2.76 V	339	51.2	4.5
2	5460.00	43.8 AV	54.0	-10.2	2.76 V	339	39.3	4.5
3	#5470.00	56.0 PK	68.2	-12.2	2.78 V	342	51.5	4.5
4	*5720.00	102.9 PK			2.74 V	335	62.9	40.0
5	*5720.00	93.0 AV			2.74 V	335	53.0	40.0
6	#5850.00	56.9 PK	68.2	-11.3	2.72 V	335	51.6	5.3
7	11440.00	60.9 PK	74.0	-13.1	3.12 V	226	42.3	18.6
8	11440.00	47.8 AV	54.0	-6.2	3.12 V	226	29.2	18.6

Remarks:

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

802.11n (HT40)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.2 PK	74.0	-18.8	3.39 H	350	51.1	4.1
2	5150.00	42.1 AV	54.0	-11.9	3.39 H	350	38.0	4.1
3	*5270.00	97.1 PK			3.49 H	344	58.0	39.1
4	*5270.00	87.8 AV			3.49 H	344	48.7	39.1
5	#10540.00	59.7 PK	68.2	-8.5	3.09 H	161	41.2	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.4 PK	74.0	-18.6	2.75 V	355	51.3	4.1
2	5150.00	42.4 AV	54.0	-11.6	2.75 V	355	38.3	4.1
3	*5270.00	98.0 PK			2.72 V	359	58.9	39.1
4	*5270.00	87.9 AV			2.72 V	359	48.8	39.1
5	#10540.00	60.0 PK	68.2	-8.2	2.89 V	196	41.5	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	96.9 PK			3.26 H	345	57.7	39.2
2	*5310.00	86.6 AV			3.26 H	345	47.4	39.2
3	5350.00	55.3 PK	74.0	-18.7	3.39 H	347	51.2	4.1
4	5350.00	43.1 AV	54.0	-10.9	3.39 H	347	39.0	4.1
5	10620.00	60.6 PK	74.0	-13.4	2.89 H	155	41.8	18.8
6	10620.00	47.8 AV	54.0	-6.2	2.89 H	155	29.0	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	99.1 PK			2.48 V	360	59.9	39.2
2	*5310.00	88.9 AV			2.48 V	360	49.7	39.2
3	5350.00	55.4 PK	74.0	-18.6	2.50 V	3	51.3	4.1
4	5350.00	43.2 AV	54.0	-10.8	2.50 V	3	39.1	4.1
5	10620.00	60.8 PK	74.0	-13.2	2.99 V	213	42.0	18.8
6	10620.00	47.9 AV	54.0	-6.1	2.99 V	213	29.1	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.5 PK	74.0	-18.5	2.91 H	344	51.0	4.5
2	5460.00	42.6 AV	54.0	-11.4	2.91 H	344	38.1	4.5
3	#5470.00	55.6 PK	68.2	-12.6	2.88 H	341	51.1	4.5
4	*5510.00	98.0 PK			3.03 H	346	58.3	39.7
5	*5510.00	87.3 AV			3.03 H	346	47.6	39.7
6	11020.00	60.6 PK	74.0	-13.4	2.88 H	153	41.5	19.1
7	11020.00	47.4 AV	54.0	-6.6	2.88 H	153	28.3	19.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.5 PK	74.0	-18.5	2.69 V	358	51.0	4.5
2	5460.00	42.8 AV	54.0	-11.2	2.69 V	358	38.3	4.5
3	#5470.00	56.2 PK	68.2	-12.0	2.73 V	3	51.7	4.5
4	*5510.00	100.3 PK			2.64 V	6	60.6	39.7
5	*5510.00	89.6 AV			2.64 V	6	49.9	39.7
6	11020.00	60.8 PK	74.0	-13.2	2.55 V	229	41.7	19.1
7	11020.00	47.6 AV	54.0	-6.4	2.55 V	229	28.5	19.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	98.7 PK			3.05 H	347	59.0	39.7
2	*5550.00	88.0 AV			3.05 H	347	48.3	39.7
3	11100.00	60.3 PK	74.0	-13.7	2.77 H	170	41.7	18.6
4	11100.00	47.0 AV	54.0	-7.0	2.77 H	170	28.4	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	100.9 PK			2.77 V	4	61.2	39.7
2	*5550.00	90.3 AV			2.77 V	4	50.6	39.7
3	11100.00	60.6 PK	74.0	-13.4	2.70 V	230	42.0	18.6
4	11100.00	47.2 AV	54.0	-6.8	2.70 V	230	28.6	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	98.0 PK			3.11 H	343	58.2	39.8
2	*5670.00	87.3 AV			3.11 H	343	47.5	39.8
3	#5725.00	55.4 PK	68.2	-12.8	2.95 H	352	50.7	4.7
4	11340.00	60.3 PK	74.0	-13.7	2.81 H	159	41.6	18.7
5	11340.00	47.2 AV	54.0	-6.8	2.81 H	159	28.5	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	100.2 PK			2.50 V	5	60.4	39.8
2	*5670.00	89.7 AV			2.50 V	5	49.9	39.8
3	#5725.00	55.8 PK	68.2	-12.4	2.61 V	4	51.1	4.7
4	11340.00	60.6 PK	74.0	-13.4	2.73 V	231	41.9	18.7
5	11340.00	47.3 AV	54.0	-6.7	2.73 V	231	28.6	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	55.7 PK	74.0	-18.3	3.65 H	190	51.2	4.5
2	5460.00	43.6 AV	54.0	-10.4	3.65 H	190	39.1	4.5
3	#5470.00	56.0 PK	68.2	-12.2	3.59 H	188	51.5	4.5
4	*5710.00	96.8 PK			3.62 H	187	56.8	40.0
5	*5710.00	86.8 AV			3.62 H	187	46.8	40.0
6	#5850.00	56.8 PK	68.2	-11.4	3.59 H	192	51.5	5.3
7	11420.00	60.7 PK	74.0	-13.3	3.11 H	166	42.2	18.5
8	11420.00	47.7 AV	54.0	-6.3	3.11 H	166	29.2	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.7 PK	74.0	-18.3	2.69 V	340	51.2	4.5
2	5460.00	43.7 AV	54.0	-10.3	2.69 V	340	39.2	4.5
3	#5470.00	56.0 PK	68.2	-12.2	2.72 V	344	51.5	4.5
4	*5710.00	100.2 PK			2.67 V	335	60.2	40.0
5	*5710.00	90.3 AV			2.67 V	335	50.3	40.0
6	#5850.00	56.7 PK	68.2	-11.5	2.65 V	341	51.4	5.3
7	11420.00	60.7 PK	74.0	-13.3	3.06 V	224	42.2	18.5
8	11420.00	47.6 AV	54.0	-6.4	3.06 V	224	29.1	18.5

Remarks:

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

802.11ac (VHT80)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	54.9 PK	74.0	-19.1	3.19 H	349	50.8	4.1
2	5150.00	42.1 AV	54.0	-11.9	3.19 H	349	38.0	4.1
3	*5290.00	94.7 PK			3.28 H	344	55.6	39.1
4	*5290.00	83.8 AV			3.28 H	344	44.7	39.1
5	5350.00	61.8 PK	74.0	-12.2	3.33 H	351	57.7	4.1
6	5350.00	47.4 AV	54.0	-6.6	3.33 H	351	43.3	4.1
7	#10580.00	60.7 PK	68.2	-7.5	2.85 H	170	41.9	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.1 PK	74.0	-18.9	2.48 V	355	51.0	4.1
2	5150.00	42.3 AV	54.0	-11.7	2.48 V	355	38.2	4.1
3	*5290.00	95.9 PK			2.46 V	358	56.8	39.1
4	*5290.00	86.1 AV			2.46 V	358	47.0	39.1
5	5350.00	63.2 PK	74.0	-10.8	2.53 V	356	59.1	4.1
6	5350.00	49.2 AV	54.0	-4.8	2.53 V	356	45.1	4.1
7	#10580.00	60.9 PK	68.2	-7.3	3.02 V	223	42.1	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	60.1 PK	74.0	-13.9	2.88 H	351	55.6	4.5
2	5460.00	43.4 AV	54.0	-10.6	2.88 H	351	38.9	4.5
3	#5470.00	60.5 PK	68.2	-7.7	2.89 H	340	56.0	4.5
4	*5530.00	95.7 PK			3.05 H	346	56.0	39.7
5	*5530.00	85.7 AV			3.05 H	346	46.0	39.7
6	#5725.00	55.4 PK	68.2	-12.8	2.91 H	353	50.7	4.7
7	11060.00	60.6 PK	74.0	-13.4	2.84 H	163	41.7	18.9
8	11060.00	46.9 AV	54.0	-7.1	2.84 H	163	28.0	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.5 PK	74.0	-16.5	2.58 V	359	53.0	4.5
2	5460.00	45.1 AV	54.0	-8.9	2.58 V	359	40.6	4.5
3	#5470.00	62.7 PK	68.2	-5.5	2.55 V	3	58.2	4.5
4	*5530.00	97.9 PK			2.49 V	2	58.2	39.7
5	*5530.00	87.9 AV			2.49 V	2	48.2	39.7
6	#5725.00	55.8 PK	68.2	-12.4	2.61 V	3	51.1	4.7
7	11060.00	60.9 PK	74.0	-13.1	2.72 V	221	42.0	18.9
8	11060.00	47.2 AV	54.0	-6.8	2.72 V	221	28.3	18.9

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.6 PK	74.0	-18.4	3.03 H	357	51.1	4.5
2	5460.00	43.3 AV	54.0	-10.7	3.03 H	357	38.8	4.5
3	#5470.00	55.9 PK	68.2	-12.3	3.09 H	349	51.4	4.5
4	*5610.00	96.0 PK			3.00 H	345	56.2	39.8
5	*5610.00	84.9 AV			3.00 H	345	45.1	39.8
6	#5725.00	56.2 PK	68.2	-12.0	2.97 H	350	51.5	4.7
7	11220.00	60.3 PK	74.0	-13.7	2.75 H	169	41.6	18.7
8	11220.00	46.8 AV	54.0	-7.2	2.75 H	169	28.1	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.1 PK	74.0	-17.9	2.77 V	3	51.6	4.5
2	5460.00	43.7 AV	54.0	-10.3	2.77 V	3	39.2	4.5
3	#5470.00	56.4 PK	68.2	-11.8	2.69 V	2	51.9	4.5
4	*5610.00	98.3 PK			2.82 V	6	58.5	39.8
5	*5610.00	87.1 AV			2.82 V	6	47.3	39.8
6	#5725.00	56.6 PK	68.2	-11.6	2.66 V	1	51.9	4.7
7	11220.00	60.6 PK	74.0	-13.4	2.53 V	219	41.9	18.7
8	11220.00	47.0 AV	54.0	-7.0	2.53 V	219	28.3	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.6 PK	74.0	-18.4	3.66 H	192	51.1	4.5
2	5460.00	43.6 AV	54.0	-10.4	3.66 H	192	39.1	4.5
3	#5470.00	56.0 PK	68.2	-12.2	3.64 H	195	51.5	4.5
4	*5690.00	93.2 PK			3.64 H	187	53.4	39.8
5	*5690.00	83.5 AV			3.64 H	187	43.7	39.8
6	#5850.00	56.7 PK	68.2	-11.5	3.60 H	195	51.4	5.3
7	11380.00	60.7 PK	74.0	-13.3	2.92 H	173	42.2	18.5
8	11380.00	47.8 AV	54.0	-6.2	2.92 H	173	29.3	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.7 PK	74.0	-18.3	2.62 V	336	51.2	4.5
2	5460.00	44.0 AV	54.0	-10.0	2.62 V	336	39.5	4.5
3	#5470.00	56.0 PK	68.2	-12.2	2.67 V	340	51.5	4.5
4	*5690.00	98.2 PK			2.59 V	334	58.4	39.8
5	*5690.00	87.0 AV			2.59 V	334	47.2	39.8
6	#5850.00	56.6 PK	68.2	-11.6	2.58 V	340	51.3	5.3
7	11380.00	60.8 PK	74.0	-13.2	3.05 V	226	42.3	18.5
8	11380.00	47.7 AV	54.0	-6.3	3.05 V	226	29.2	18.5

Remarks:

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

5G traffic radio: CDD Mode

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.1 PK	74.0	-17.9	2.21 H	293	52.0	4.1
2	5150.00	42.5 AV	54.0	-11.5	2.21 H	293	38.4	4.1
3	*5260.00	105.4 PK			2.30 H	285	66.4	39.0
4	*5260.00	95.6 AV			2.30 H	285	56.6	39.0
5	#10520.00	60.5 PK	68.2	-7.7	2.15 H	179	42.2	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.3 PK	74.0	-17.7	1.91 V	20	52.2	4.1
2	5150.00	43.0 AV	54.0	-11.0	1.91 V	20	38.9	4.1
3	*5260.00	120.2 PK			1.82 V	14	81.2	39.0
4	*5260.00	110.1 AV			1.82 V	14	71.1	39.0
5	#10520.00	60.8 PK	68.2	-7.4	1.81 V	291	42.5	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	105.6 PK			2.35 H	288	66.5	39.1
2	*5300.00	96.0 AV			2.35 H	288	56.9	39.1
3	10600.00	61.3 PK	68.2	-6.9	2.09 H	187	42.4	18.9
4	10600.00	47.2 AV	54.0	-6.8	2.09 H	187	28.3	18.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	120.5 PK			2.02 V	15	81.4	39.1
2	*5300.00	110.3 AV			2.02 V	15	71.2	39.1
3	10600.00	61.5 PK	68.2	-6.7	1.90 V	302	42.6	18.9
4	10600.00	47.8 AV	54.0	-6.2	1.90 V	302	28.9	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	106.0 PK			2.25 H	297	66.8	39.2
2	*5320.00	96.1 AV			2.25 H	297	56.9	39.2
3	5350.00	56.9 PK	74.0	-17.1	2.17 H	307	52.8	4.1
4	5350.00	43.0 AV	54.0	-11.0	2.17 H	307	38.9	4.1
5	10640.00	60.9 PK	74.0	-13.1	2.23 H	188	42.3	18.6
6	10640.00	47.1 AV	54.0	-6.9	2.23 H	188	28.5	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	120.4 PK			1.92 V	31	81.2	39.2
2	*5320.00	110.3 AV			1.92 V	31	71.1	39.2
3	5350.00	57.3 PK	74.0	-16.7	1.88 V	23	53.2	4.1
4	5350.00	45.0 AV	54.0	-9.0	1.88 V	23	40.9	4.1
5	10640.00	61.5 PK	74.0	-12.5	1.88 V	290	42.9	18.6
6	10640.00	47.8 AV	54.0	-6.2	1.88 V	290	29.2	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.3 PK	74.0	-18.7	1.71 H	299	50.8	4.5
2	5460.00	42.0 AV	54.0	-12.0	1.71 H	299	37.5	4.5
3	#5470.00	56.1 PK	68.2	-12.1	1.78 H	302	51.6	4.5
4	*5500.00	105.2 PK			1.69 H	298	65.5	39.7
5	*5500.00	95.4 AV			1.69 H	298	55.7	39.7
6	11000.00	61.6 PK	74.0	-12.4	2.35 H	188	42.3	19.3
7	11000.00	48.2 AV	54.0	-5.8	2.35 H	188	28.9	19.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.2 PK	74.0	-16.8	1.69 V	300	52.7	4.5
2	5460.00	43.8 AV	54.0	-10.2	1.69 V	300	39.3	4.5
3	#5470.00	61.5 PK	68.2	-6.7	1.71 V	318	57.0	4.5
4	*5500.00	120.2 PK			1.61 V	308	80.5	39.7
5	*5500.00	110.4 AV			1.61 V	308	70.7	39.7
6	11000.00	61.9 PK	74.0	-12.1	1.90 V	277	42.6	19.3
7	11000.00	48.5 AV	54.0	-5.5	1.90 V	277	29.2	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	105.3 PK			1.72 H	300	65.6	39.7
2	*5580.00	95.5 AV			1.72 H	300	55.8	39.7
3	11160.00	60.9 PK	74.0	-13.1	2.22 H	191	42.3	18.6
4	11160.00	47.7 AV	54.0	-6.3	2.22 H	191	29.1	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	120.6 PK			1.65 V	309	80.9	39.7
2	*5580.00	110.7 AV			1.65 V	309	71.0	39.7
3	11160.00	61.3 PK	74.0	-12.7	2.01 V	282	42.7	18.6
4	11160.00	47.9 AV	54.0	-6.1	2.01 V	282	29.3	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	105.5 PK			1.72 H	295	65.7	39.8
2	*5700.00	95.6 AV			1.72 H	295	55.8	39.8
3	#5725.00	56.0 PK	68.2	-12.2	1.77 H	292	51.3	4.7
4	11400.00	61.0 PK	74.0	-13.0	2.07 H	178	42.5	18.5
5	11400.00	47.5 AV	54.0	-6.5	2.07 H	178	29.0	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	120.8 PK			1.88 V	18	81.0	39.8
2	*5700.00	110.9 AV			1.88 V	18	71.1	39.8
3	#5725.00	58.0 PK	68.2	-10.2	1.93 V	23	53.3	4.7
4	11400.00	61.3 PK	74.0	-12.7	1.92 V	271	42.8	18.5
5	11400.00	47.9 AV	54.0	-6.1	1.92 V	271	29.4	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	55.8 PK	74.0	-18.2	1.96 H	291	51.3	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.96 H	291	39.2	4.5
3	#5470.00	56.1 PK	68.2	-12.1	1.99 H	293	51.6	4.5
4	*5720.00	105.7 PK			1.94 H	285	65.7	40.0
5	*5720.00	95.2 AV			1.94 H	285	55.2	40.0
6	#5850.00	57.0 PK	68.2	-11.2	2.02 H	293	51.7	5.3
7	11440.00	60.9 PK	74.0	-13.1	2.33 H	202	42.3	18.6
8	11440.00	47.8 AV	54.0	-6.2	2.33 H	202	29.2	18.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	1.60 V	345	51.5	4.5
2	5460.00	44.0 AV	54.0	-10.0	1.60 V	345	39.5	4.5
3	#5470.00	56.3 PK	68.2	-11.9	1.62 V	347	51.8	4.5
4	*5720.00	120.3 PK			1.52 V	343	80.3	40.0
5	*5720.00	110.6 AV			1.52 V	343	70.6	40.0
6	#5850.00	56.7 PK	68.2	-11.5	1.66 V	350	51.4	5.3
7	11440.00	61.1 PK	74.0	-12.9	1.92 V	289	42.5	18.6
8	11440.00	47.9 AV	54.0	-6.1	1.92 V	289	29.3	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 (HE20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	2.90 H	19	51.8	4.1
2	5150.00	42.3 AV	54.0	-11.7	2.90 H	19	38.2	4.1
3	*5260.00	107.4 PK			2.89 H	20	68.4	39.0
4	*5260.00	93.7 AV			2.89 H	20	54.7	39.0
5	#10520.00	60.6 PK	68.2	-7.6	2.22 H	182	42.3	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.9 PK	74.0	-17.1	1.88 V	23	52.8	4.1
2	5150.00	43.1 AV	54.0	-10.9	1.88 V	23	39.0	4.1
3	*5260.00	122.1 PK			1.96 V	14	83.1	39.0
4	*5260.00	108.2 AV			1.96 V	14	69.2	39.0
5	#10520.00	61.0 PK	68.2	-7.2	1.88 V	290	42.7	18.3

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	107.8 PK			2.81 H	26	68.7	39.1
2	*5300.00	94.0 AV			2.81 H	26	54.9	39.1
3	10600.00	61.3 PK	74.0	-12.7	1.99 H	177	42.4	18.9
4	10600.00	47.5 AV	54.0	-6.5	1.99 H	177	28.6	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	122.5 PK			1.97 V	19	83.4	39.1
2	*5300.00	108.6 AV			1.97 V	19	69.5	39.1
3	10600.00	61.5 PK	74.0	-12.5	1.89 V	293	42.6	18.9
4	10600.00	47.9 AV	54.0	-6.1	1.89 V	293	29.0	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	107.7 PK			2.93 H	23	68.5	39.2
2	*5320.00	93.9 AV			2.93 H	23	54.7	39.2
3	5350.00	55.6 PK	74.0	-18.4	2.88 H	33	51.5	4.1
4	5350.00	42.0 AV	54.0	-12.0	2.88 H	33	37.9	4.1
5	10640.00	60.9 PK	74.0	-13.1	2.07 H	183	42.3	18.6
6	10640.00	47.0 AV	54.0	-7.0	2.07 H	183	28.4	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	122.4 PK			1.90 V	18	83.2	39.2
2	*5320.00	108.5 AV			1.90 V	18	69.3	39.2
3	5350.00	61.4 PK	74.0	-12.6	1.97 V	49	57.3	4.1
4	5350.00	47.9 AV	54.0	-6.1	1.97 V	49	43.8	4.1
5	10640.00	61.4 PK	74.0	-12.6	1.93 V	285	42.8	18.6
6	10640.00	47.5 AV	54.0	-6.5	1.93 V	285	28.9	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.5 PK	74.0	-18.5	1.75 H	292	51.0	4.5
2	5460.00	42.3 AV	54.0	-11.7	1.75 H	292	37.8	4.5
3	#5470.00	56.4 PK	68.2	-11.8	1.71 H	308	51.9	4.5
4	*5500.00	107.8 PK			1.69 H	299	68.1	39.7
5	*5500.00	94.4 AV			1.69 H	299	54.7	39.7
6	11000.00	61.7 PK	74.0	-12.3	2.20 H	191	42.4	19.3
7	11000.00	48.4 AV	54.0	-5.6	2.20 H	191	29.1	19.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.2 PK	74.0	-15.8	1.85 V	29	53.7	4.5
2	5460.00	45.0 AV	54.0	-9.0	1.85 V	29	40.5	4.5
3	#5470.00	58.5 PK	68.2	-9.7	1.91 V	33	54.0	4.5
4	*5500.00	123.1 PK			1.81 V	27	83.4	39.7
5	*5500.00	109.6 AV			1.81 V	27	69.9	39.7
6	11000.00	62.0 PK	74.0	-12.0	2.15 V	293	42.7	19.3
7	11000.00	48.6 AV	54.0	-5.4	2.15 V	293	29.3	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	108.1 PK			1.66 H	303	68.4	39.7
2	*5580.00	94.6 AV			1.66 H	303	54.9	39.7
3	11160.00	61.1 PK	74.0	-12.9	2.10 H	182	42.5	18.6
4	11160.00	47.8 AV	54.0	-6.2	2.10 H	182	29.2	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	123.2 PK			1.87 V	30	83.5	39.7
2	*5580.00	109.7 AV			1.87 V	30	70.0	39.7
3	11160.00	61.4 PK	74.0	-12.6	2.01 V	279	42.8	18.6
4	11160.00	48.0 AV	54.0	-6.0	2.01 V	279	29.4	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	107.4 PK			1.79 H	300	67.6	39.8
2	*5700.00	93.9 AV			1.79 H	300	54.1	39.8
3	#5725.00	56.3 PK	68.2	-11.9	1.75 H	293	51.6	4.7
4	11400.00	60.6 PK	74.0	-13.4	2.22 H	179	42.1	18.5
5	11400.00	47.0 AV	54.0	-7.0	2.22 H	179	28.5	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	122.6 PK			1.87 V	27	82.8	39.8
2	*5700.00	109.0 AV			1.87 V	27	69.2	39.8
3	#5725.00	59.2 PK	68.2	-9.0	1.93 V	33	54.5	4.7
4	11400.00	61.0 PK	74.0	-13.0	1.99 V	269	42.5	18.5
5	11400.00	47.4 AV	54.0	-6.6	1.99 V	269	28.9	18.5

Remarks:

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

CHANNEL	TX Channel 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	5460.00	55.7 PK	74.0	-18.3	1.99 H	286	51.2	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.99 H	286	39.2	4.5
3	#5470.00	56.0 PK	68.2	-12.2	2.01 H	290	51.5	4.5
4	*5720.00	107.8 PK			1.95 H	284	67.8	40.0
5	*5720.00	94.6 AV			1.95 H	284	54.6	40.0
6	#5850.00	56.9 PK	68.2	-11.3	2.00 H	290	51.6	5.3
7	11440.00	60.9 PK	74.0	-13.1	2.44 H	205	42.3	18.6
8	11440.00	47.8 AV	54.0	-6.2	2.44 H	205	29.2	18.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.8 PK	74.0	-18.2	1.56 V	315	51.3	4.5
2	5460.00	44.0 AV	54.0	-10.0	1.56 V	315	39.5	4.5
3	#5470.00	56.1 PK	68.2	-12.1	1.61 V	318	51.6	4.5
4	*5720.00	120.8 PK			1.54 V	312	80.8	40.0
5	*5720.00	108.0 AV			1.54 V	312	68.0	40.0
6	#5850.00	56.7 PK	68.2	-11.5	1.66 V	320	51.4	5.3
7	11440.00	60.9 PK	74.0	-13.1	2.02 V	278	42.3	18.6
8	11440.00	47.7 AV	54.0	-6.3	2.02 V	278	29.1	18.6

Remarks:

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

802.11ax (HE40)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.6 PK	74.0	-18.4	2.93 H	39	51.5	4.1
2	5150.00	42.1 AV	54.0	-11.9	2.93 H	39	38.0	4.1
3	*5270.00	105.9 PK			2.81 H	29	66.8	39.1
4	*5270.00	92.8 AV			2.81 H	29	53.7	39.1
5	#10540.00	60.8 PK	68.2	-7.4	2.00 H	190	42.3	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.0 PK	74.0	-17.0	1.93 V	26	52.9	4.1
2	5150.00	43.5 AV	54.0	-10.5	1.93 V	26	39.4	4.1
3	*5270.00	120.6 PK			2.10 V	55	81.5	39.1
4	*5270.00	107.4 AV			2.10 V	55	68.3	39.1
5	#10540.00	61.1 PK	68.2	-7.1	1.97 V	296	42.6	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	105.8 PK			2.77 H	25	66.6	39.2
2	*5310.00	92.7 AV			2.77 H	25	53.5	39.2
3	5350.00	56.1 PK	74.0	-17.9	2.82 H	39	52.0	4.1
4	5350.00	42.3 AV	54.0	-11.7	2.82 H	39	38.2	4.1
5	10620.00	61.1 PK	74.0	-12.9	2.11 H	185	42.3	18.8
6	10620.00	47.4 AV	54.0	-6.6	2.11 H	185	28.6	18.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	120.5 PK			2.05 V	54	81.3	39.2
2	*5310.00	107.2 AV			2.05 V	54	68.0	39.2
3	5350.00	62.4 PK	74.0	-11.6	2.00 V	48	58.3	4.1
4	5350.00	50.4 AV	54.0	-3.6	2.00 V	48	46.3	4.1
5	10620.00	61.3 PK	74.0	-12.7	1.88 V	288	42.5	18.8
6	10620.00	47.7 AV	54.0	-6.3	1.88 V	288	28.9	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.1 PK	74.0	-17.9	1.85 H	11	51.6	4.5
2	5460.00	41.8 AV	54.0	-12.2	1.85 H	11	37.3	4.5
3	#5470.00	56.3 PK	68.2	-11.9	1.91 H	20	51.8	4.5
4	*5510.00	106.2 PK			1.81 H	15	66.5	39.7
5	*5510.00	92.6 AV			1.81 H	15	52.9	39.7
6	11020.00	60.7 PK	74.0	-13.3	2.01 H	182	41.6	19.1
7	11020.00	47.6 AV	54.0	-6.4	2.01 H	182	28.5	19.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.9 PK	74.0	-14.1	1.88 V	51	55.4	4.5
2	5460.00	46.5 AV	54.0	-7.5	1.88 V	51	42.0	4.5
3	#5470.00	63.7 PK	68.2	-4.5	1.82 V	45	59.2	4.5
4	*5510.00	121.5 PK			1.95 V	45	81.8	39.7
5	*5510.00	107.9 AV			1.95 V	45	68.2	39.7
6	11020.00	61.0 PK	74.0	-13.0	2.10 V	282	41.9	19.1
7	11020.00	48.0 AV	54.0	-6.0	2.10 V	282	28.9	19.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	106.3 PK			1.91 H	22	66.6	39.7
2	*5550.00	92.7 AV			1.91 H	22	53.0	39.7
3	11100.00	60.3 PK	74.0	-13.7	1.99 H	182	41.7	18.6
4	11100.00	47.4 AV	54.0	-6.6	1.99 H	182	28.8	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	121.7 PK			1.90 V	46	82.0	39.7
2	*5550.00	108.1 AV			1.90 V	46	68.4	39.7
3	11100.00	60.6 PK	74.0	-13.4	1.99 V	278	42.0	18.6
4	11100.00	47.6 AV	54.0	-6.4	1.99 V	278	29.0	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	105.9 PK			1.95 H	18	66.1	39.8
2	*5670.00	92.3 AV			1.95 H	18	52.5	39.8
3	#5725.00	56.6 PK	68.2	-11.6	1.88 H	23	51.9	4.7
4	11340.00	60.3 PK	74.0	-13.7	1.95 H	293	41.6	18.7
5	11340.00	47.5 AV	54.0	-6.5	1.95 H	293	28.8	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	121.4 PK			1.93 V	43	81.6	39.8
2	*5670.00	107.8 AV			1.93 V	43	68.0	39.8
3	#5725.00	57.3 PK	68.2	-10.9	1.73 V	33	52.6	4.7
4	11340.00	60.5 PK	74.0	-13.5	2.07 V	285	41.8	18.7
5	11340.00	47.7 AV	54.0	-6.3	2.07 V	285	29.0	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	55.8 PK	74.0	-18.2	1.62 H	286	51.3	4.5
2	5460.00	44.0 AV	54.0	-10.0	1.62 H	286	39.5	4.5
3	#5470.00	56.1 PK	68.2	-12.1	1.65 H	290	51.6	4.5
4	*5710.00	103.9 PK			1.60 H	284	63.9	40.0
5	*5710.00	91.0 AV			1.60 H	284	51.0	40.0
6	#5850.00	56.9 PK	68.2	-11.3	1.70 H	288	51.6	5.3
7	11420.00	60.8 PK	74.0	-13.2	2.40 H	201	42.3	18.5
8	11420.00	47.6 AV	54.0	-6.4	2.40 H	201	29.1	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	1.53 V	355	51.5	4.5
2	5460.00	44.0 AV	54.0	-10.0	1.53 V	355	39.5	4.5
3	#5470.00	56.1 PK	68.2	-12.1	1.59 V	357	51.6	4.5
4	*5710.00	120.2 PK			1.49 V	353	80.2	40.0
5	*5710.00	106.5 AV			1.49 V	353	66.5	40.0
6	#5850.00	56.7 PK	68.2	-11.5	1.62 V	349	51.4	5.3
7	11420.00	60.8 PK	74.0	-13.2	1.93 V	280	42.3	18.5
8	11420.00	47.7 AV	54.0	-6.3	1.93 V	280	29.2	18.5

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.1 PK	74.0	-17.9	2.20 H	261	52.0	4.1
2	5150.00	42.3 AV	54.0	-11.7	2.20 H	261	38.2	4.1
3	*5290.00	101.0 PK			2.32 H	247	61.9	39.1
4	*5290.00	88.6 AV			2.32 H	247	49.5	39.1
5	5350.00	55.1 PK	74.0	-18.9	2.11 H	261	51.0	4.1
6	5350.00	41.9 AV	54.0	-12.1	2.11 H	261	37.8	4.1
7	#10580.00	61.0 PK	68.2	-7.2	2.01 H	188	42.2	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.4 PK	74.0	-16.6	1.93 V	49	53.3	4.1
2	5150.00	44.2 AV	54.0	-9.8	1.93 V	49	40.1	4.1
3	*5290.00	117.7 PK			1.71 V	11	78.6	39.1
4	*5290.00	105.0 AV			1.71 V	11	65.9	39.1
5	5350.00	63.7 PK	74.0	-10.3	1.71 V	300	59.6	4.1
6	5350.00	50.7 AV	54.0	-3.3	1.71 V	300	46.6	4.1
7	#10580.00	61.3 PK	68.2	-6.9	1.92 V	293	42.5	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	55.5 PK	74.0	-18.5	2.11 H	279	51.0	4.5
2	5460.00	42.4 AV	54.0	-11.6	2.11 H	279	37.9	4.5
3	#5470.00	55.6 PK	68.2	-12.6	2.09 H	288	51.1	4.5
4	*5530.00	101.6 PK			2.21 H	273	61.9	39.7
5	*5530.00	89.0 AV			2.21 H	273	49.3	39.7
6	#5725.00	56.2 PK	68.2	-12.0	2.08 H	271	51.5	4.7
7	11060.00	60.4 PK	74.0	-13.6	1.92 H	189	41.5	18.9
8	11060.00	47.4 AV	54.0	-6.6	1.92 H	189	28.5	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	64.7 PK	74.0	-9.3	1.87 V	41	60.2	4.5
2	5460.00	50.6 AV	54.0	-3.4	1.87 V	41	46.1	4.5
3	#5470.00	65.7 PK	68.2	-2.5	1.90 V	45	61.2	4.5
4	*5530.00	117.7 PK			1.93 V	45	78.0	39.7
5	*5530.00	105.3 AV			1.93 V	45	65.6	39.7
6	#5725.00	56.9 PK	68.2	-11.3	1.90 V	50	52.2	4.7
7	11060.00	60.6 PK	74.0	-13.4	1.95 V	275	41.7	18.9
8	11060.00	47.7 AV	54.0	-6.3	1.95 V	275	28.8	18.9

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.6 PK	74.0	-18.4	2.23 H	277	51.1	4.5
2	5460.00	42.3 AV	54.0	-11.7	2.23 H	277	37.8	4.5
3	#5470.00	55.8 PK	68.2	-12.4	2.19 H	288	51.3	4.5
4	*5610.00	101.8 PK			2.24 H	279	62.0	39.8
5	*5610.00	88.9 AV			2.24 H	279	49.1	39.8
6	#5725.00	57.6 PK	68.2	-10.6	2.23 H	273	52.9	4.7
7	11220.00	60.1 PK	74.0	-13.9	1.90 H	193	41.4	18.7
8	11220.00	47.2 AV	54.0	-6.8	1.90 H	193	28.5	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.6 PK	74.0	-17.4	1.80 V	49	52.1	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.80 V	49	39.2	4.5
3	#5470.00	57.3 PK	68.2	-10.9	1.79 V	46	52.8	4.5
4	*5610.00	117.4 PK			1.73 V	45	77.6	39.8
5	*5610.00	105.0 AV			1.73 V	45	65.2	39.8
6	#5725.00	59.7 PK	68.2	-8.5	1.85 V	42	55.0	4.7
7	11220.00	60.3 PK	74.0	-13.7	2.04 V	282	41.6	18.7
8	11220.00	47.4 AV	54.0	-6.6	2.04 V	282	28.7	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.8 PK	74.0	-18.2	1.62 H	290	51.3	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.62 H	290	39.2	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.65 H	292	51.5	4.5
4	*5690.00	101.0 PK			1.57 H	282	61.2	39.8
5	*5690.00	88.6 AV			1.57 H	282	48.8	39.8
6	#5850.00	57.1 PK	68.2	-11.1	1.66 H	299	51.8	5.3
7	11380.00	60.7 PK	74.0	-13.3	2.50 H	192	42.2	18.5
8	11380.00	47.6 AV	54.0	-6.4	2.50 H	192	29.1	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	1.45 V	356	51.5	4.5
2	5460.00	44.0 AV	54.0	-10.0	1.45 V	356	39.5	4.5
3	#5470.00	56.2 PK	68.2	-12.0	1.47 V	358	51.7	4.5
4	*5690.00	116.4 PK			1.43 V	354	76.6	39.8
5	*5690.00	103.9 AV			1.43 V	354	64.1	39.8
6	#5850.00	56.9 PK	68.2	-11.3	1.55 V	349	51.6	5.3
7	11380.00	60.8 PK	74.0	-13.2	2.02 V	288	42.3	18.5
8	11380.00	47.7 AV	54.0	-6.3	2.02 V	288	29.2	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 42+58	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.2 PK	74.0	-18.8	1.45 H	326	51.1	4.1
2	5150.00	42.1 AV	54.0	-11.9	1.45 H	326	38.0	4.1
3	*5210.00	92.6 PK			1.43 H	323	53.4	39.2
4	*5210.00	79.8 AV			1.43 H	323	40.6	39.2
5	*5290.00	91.2 PK			1.33 H	235	52.1	39.1
6	*5290.00	78.8 AV			1.33 H	235	39.7	39.1
7	5350.00	55.1 PK	74.0	-18.9	1.36 H	238	51.0	4.1
8	5350.00	42.1 AV	54.0	-11.9	1.36 H	238	38.0	4.1
9	#10420.00	59.8 PK	68.2	-8.4	2.23 H	153	42.2	17.6
10	#10580.00	60.9 PK	68.2	-7.3	2.26 H	153	42.1	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5130.00	59.0 PK	74.0	-15.0	1.62 V	351	55.0	4.0
2	5130.00	52.8 AV	54.0	-1.2	1.62 V	351	48.8	4.0
3	*5210.00	108.5 PK			1.59 V	195	69.3	39.2
4	*5210.00	95.2 AV			1.59 V	195	56.0	39.2
5	*5290.00	107.2 PK			1.58 V	322	68.1	39.1
6	*5290.00	95.0 AV			1.58 V	322	55.9	39.1
7	5370.00	60.2 PK	74.0	-13.8	1.88 V	49	56.0	4.2
8	5370.00	47.1 AV	54.0	-6.9	1.88 V	49	42.9	4.2
9	#10420.00	59.8 PK	68.2	-8.4	2.11 V	302	42.2	17.6
10	#10580.00	60.9 PK	68.2	-7.3	2.15 V	308	42.1	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.3 PK	74.0	-18.7	1.47 H	293	50.8	4.5
2	5460.00	42.7 AV	54.0	-11.3	1.47 H	293	38.2	4.5
3	#5470.00	55.7 PK	68.2	-12.5	1.52 H	300	51.2	4.5
4	*5530.00	96.9 PK			1.50 H	297	57.2	39.7
5	*5530.00	84.2 AV			1.50 H	297	44.5	39.7
6	*5610.00	97.7 PK			2.03 H	110	57.9	39.8
7	*5610.00	85.0 AV			2.03 H	110	45.2	39.8
8	#5725.00	55.7 PK	68.2	-12.5	2.10 H	116	51.0	4.7
9	11060.00	61.1 PK	74.0	-12.9	2.02 H	169	42.2	18.9
10	11060.00	48.0 AV	54.0	-6.0	2.02 H	169	29.1	18.9
11	11220.00	60.8 PK	74.0	-13.2	2.10 H	172	42.1	18.7
12	11220.00	47.9 AV	54.0	-6.1	2.10 H	172	29.2	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5450.00	59.9 PK	74.0	-14.1	1.62 V	15	55.4	4.5
2	5450.00	51.0 AV	54.0	-3.0	1.62 V	15	46.5	4.5
3	#5470.00	59.5 PK	68.2	-8.7	1.68 V	18	55.0	4.5
4	*5530.00	112.5 PK			1.44 V	199	72.8	39.7
5	*5530.00	99.2 AV			1.44 V	199	59.5	39.7
6	*5610.00	111.9 PK			1.37 V	294	72.1	39.8
7	*5610.00	98.8 AV			1.37 V	294	59.0	39.8
8	#5725.00	58.5 PK	68.2	-9.7	1.50 V	210	53.8	4.7
9	11060.00	61.1 PK	74.0	-12.9	2.02 V	312	42.2	18.9
10	11060.00	48.1 AV	54.0	-5.9	2.02 V	312	29.2	18.9
11	11220.00	61.0 PK	74.0	-13.0	2.05 V	319	42.3	18.7
12	11220.00	47.8 AV	54.0	-6.2	2.05 V	319	29.1	18.7

Remarks:

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

5G traffic radio: Beamforming Mode

802.11ax (HE20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.7 PK	74.0	-18.3	1.75 H	209	51.6	4.1
2	5150.00	42.5 AV	54.0	-11.5	1.75 H	209	38.4	4.1
3	*5260.00	101.5 PK			1.67 H	194	62.5	39.0
4	*5260.00	88.4 AV			1.67 H	194	49.4	39.0
5	#10520.00	60.6 PK	68.2	-7.6	1.75 H	333	42.3	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.6 PK	74.0	-17.4	1.91 V	73	52.5	4.1
2	5150.00	42.7 AV	54.0	-11.3	1.91 V	73	38.6	4.1
3	*5260.00	116.1 PK			1.81 V	50	77.1	39.0
4	*5260.00	104.0 AV			1.81 V	50	65.0	39.0
5	#10520.00	60.8 PK	68.2	-7.4	1.93 V	203	42.5	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	102.1 PK			1.70 H	192	63.0	39.1
2	*5300.00	88.9 AV			1.70 H	192	49.8	39.1
3	10600.00	61.2 PK	74.0	-12.8	1.81 H	321	42.3	18.9
4	10600.00	47.7 AV	54.0	-6.3	1.81 H	321	28.8	18.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	116.6 PK			1.90 V	62	77.5	39.1
2	*5300.00	104.4 AV			1.90 V	62	65.3	39.1
3	10600.00	61.5 PK	74.0	-12.5	2.05 V	193	42.6	18.9
4	10600.00	47.9 AV	54.0	-6.1	2.05 V	193	29.0	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	102.0 PK			1.75 H	195	62.8	39.2
2	*5320.00	88.9 AV			1.75 H	195	49.7	39.2
3	5350.00	55.8 PK	74.0	-18.2	1.70 H	200	51.7	4.1
4	5350.00	42.3 AV	54.0	-11.7	1.70 H	200	38.2	4.1
5	10640.00	61.0 PK	74.0	-13.0	1.81 H	341	42.4	18.6
6	10640.00	47.3 AV	54.0	-6.7	1.81 H	341	28.7	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	116.5 PK			1.85 V	55	77.3	39.2
2	*5320.00	104.4 AV			1.85 V	55	65.2	39.2
3	5350.00	56.5 PK	74.0	-17.5	1.91 V	45	52.4	4.1
4	5350.00	43.8 AV	54.0	-10.2	1.91 V	45	39.7	4.1
5	10640.00	61.1 PK	74.0	-12.9	1.99 V	213	42.5	18.6
6	10640.00	47.5 AV	54.0	-6.5	1.99 V	213	28.9	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.3 PK	74.0	-18.7	1.99 H	112	50.8	4.5
2	5460.00	42.7 AV	54.0	-11.3	1.99 H	112	38.2	4.5
3	#5470.00	55.5 PK	68.2	-12.7	2.02 H	116	51.0	4.5
4	*5500.00	100.7 PK			2.01 H	114	61.0	39.7
5	*5500.00	89.3 AV			2.01 H	114	49.6	39.7
6	11000.00	61.5 PK	74.0	-12.5	1.82 H	336	42.2	19.3
7	11000.00	48.4 AV	54.0	-5.6	1.82 H	336	29.1	19.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.5 PK	74.0	-17.5	1.61 V	249	52.0	4.5
2	5460.00	43.3 AV	54.0	-10.7	1.61 V	249	38.8	4.5
3	#5470.00	57.3 PK	68.2	-10.9	1.59 V	250	52.8	4.5
4	*5500.00	117.2 PK			1.48 V	244	77.5	39.7
5	*5500.00	104.5 AV			1.48 V	244	64.8	39.7
6	11000.00	61.7 PK	74.0	-12.3	1.85 V	223	42.4	19.3
7	11000.00	48.3 AV	54.0	-5.7	1.85 V	223	29.0	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	103.2 PK			2.07 H	96	63.5	39.7
2	*5580.00	90.8 AV			2.07 H	96	51.1	39.7
3	11160.00	60.9 PK	74.0	-13.1	1.85 H	339	42.3	18.6
4	11160.00	47.8 AV	54.0	-6.2	1.85 H	339	29.2	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	117.4 PK			1.56 V	241	77.7	39.7
2	*5580.00	104.7 AV			1.56 V	241	65.0	39.7
3	11160.00	61.1 PK	74.0	-12.9	1.91 V	225	42.5	18.6
4	11160.00	47.8 AV	54.0	-6.2	1.91 V	225	29.2	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	103.5 PK			2.02 H	95	63.7	39.8
2	*5700.00	91.7 AV			2.02 H	95	51.9	39.8
3	#5725.00	55.7 PK	68.2	-12.5	2.10 H	96	51.0	4.7
4	11400.00	60.8 PK	74.0	-13.2	1.92 H	341	42.3	18.5
5	11400.00	47.7 AV	54.0	-6.3	1.92 H	341	29.2	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	116.8 PK			1.51 V	245	77.0	39.8
2	*5700.00	103.9 AV			1.51 V	245	64.1	39.8
3	#5725.00	56.7 PK	68.2	-11.5	1.53 V	250	52.0	4.7
4	11400.00	60.7 PK	74.0	-13.3	1.88 V	209	42.2	18.5
5	11400.00	47.3 AV	54.0	-6.7	1.88 V	209	28.8	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	54.6 PK	74.0	-19.4	1.99 H	178	50.1	4.5
2	5460.00	41.3 AV	54.0	-12.7	1.99 H	178	36.8	4.5
3	#5470.00	54.8 PK	68.2	-13.4	1.93 H	188	50.3	4.5
4	*5720.00	101.7 PK			2.08 H	177	61.7	40.0
5	*5720.00	89.7 AV			2.08 H	177	49.7	40.0
6	#5850.00	56.2 PK	68.2	-12.0	2.01 H	181	50.9	5.3
7	11440.00	59.7 PK	74.0	-14.3	2.22 H	297	41.1	18.6
8	11440.00	46.7 AV	54.0	-7.3	2.22 H	297	28.1	18.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.0 PK	74.0	-19.0	1.58 V	293	50.5	4.5
2	5460.00	41.5 AV	54.0	-12.5	1.58 V	293	37.0	4.5
3	#5470.00	55.7 PK	68.2	-12.5	1.65 V	301	51.2	4.5
4	*5720.00	115.9 PK			1.47 V	312	75.9	40.0
5	*5720.00	103.5 AV			1.47 V	312	63.5	40.0
6	#5850.00	57.5 PK	68.2	-10.7	1.58 V	319	52.2	5.3
7	11440.00	60.3 PK	74.0	-13.7	1.85 V	204	41.7	18.6
8	11440.00	47.1 AV	54.0	-6.9	1.85 V	204	28.5	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 (HE40)

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	55.9 PK	74.0	-18.1	2.03 H	199	51.8	4.1
2	5150.00	42.4 AV	54.0	-11.6	2.03 H	199	38.3	4.1
3	*5270.00	98.3 PK			1.99 H	200	59.2	39.1
4	*5270.00	85.3 AV			1.99 H	200	46.2	39.1
5	#10540.00	60.6 PK	68.2	-7.6	1.90 H	321	42.1	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.7 PK	74.0	-17.3	1.93 V	23	52.6	4.1
2	5150.00	42.9 AV	54.0	-11.1	1.93 V	23	38.8	4.1
3	*5270.00	112.9 PK			2.02 V	13	73.8	39.1
4	*5270.00	100.9 AV			2.02 V	13	61.8	39.1
5	#10540.00	60.8 PK	68.2	-7.4	1.88 V	193	42.3	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	98.0 PK			1.91 H	192	58.8	39.2
2	*5310.00	84.9 AV			1.91 H	192	45.7	39.2
3	5350.00	55.4 PK	74.0	-18.6	2.03 H	199	51.3	4.1
4	5350.00	42.4 AV	54.0	-11.6	2.03 H	199	38.3	4.1
5	10620.00	61.1 PK	74.0	-12.9	1.85 H	350	42.3	18.8
6	10620.00	47.5 AV	54.0	-6.5	1.85 H	350	28.7	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	112.7 PK			2.01 V	19	73.5	39.2
2	*5310.00	100.5 AV			2.01 V	19	61.3	39.2
3	5350.00	57.9 PK	74.0	-16.1	1.96 V	27	53.8	4.1
4	5350.00	43.9 AV	54.0	-10.1	1.96 V	27	39.8	4.1
5	10620.00	61.0 PK	74.0	-13.0	1.98 V	199	42.2	18.8
6	10620.00	47.6 AV	54.0	-6.4	1.98 V	199	28.8	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.4 PK	74.0	-18.6	2.02 H	110	50.9	4.5
2	5460.00	42.7 AV	54.0	-11.3	2.02 H	110	38.2	4.5
3	#5470.00	59.0 PK	68.2	-9.2	2.03 H	108	54.5	4.5
4	*5510.00	99.3 PK			2.00 H	105	59.6	39.7
5	*5510.00	87.6 AV			2.00 H	105	47.9	39.7
6	11020.00	61.4 PK	74.0	-12.6	1.66 H	305	42.3	19.1
7	11020.00	48.3 AV	54.0	-5.7	1.66 H	305	29.2	19.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.8 PK	74.0	-16.2	1.59 V	302	53.3	4.5
2	5460.00	44.0 AV	54.0	-10.0	1.59 V	302	39.5	4.5
3	#5470.00	61.4 PK	68.2	-6.8	1.61 V	297	56.9	4.5
4	*5510.00	115.4 PK			1.57 V	306	75.7	39.7
5	*5510.00	102.2 AV			1.57 V	306	62.5	39.7
6	11020.00	61.5 PK	74.0	-12.5	1.95 V	215	42.4	19.1
7	11020.00	47.9 AV	54.0	-6.1	1.95 V	215	28.8	19.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	98.5 PK			1.93 H	94	58.8	39.7
2	*5550.00	86.6 AV			1.93 H	94	46.9	39.7
3	11100.00	60.7 PK	74.0	-13.3	1.62 H	309	42.1	18.6
4	11100.00	47.6 AV	54.0	-6.4	1.62 H	309	29.0	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	115.7 PK			1.60 V	302	76.0	39.7
2	*5550.00	102.4 AV			1.60 V	302	62.7	39.7
3	11100.00	61.2 PK	74.0	-12.8	2.14 V	223	42.6	18.6
4	11100.00	47.6 AV	54.0	-6.4	2.14 V	223	29.0	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	101.4 PK			2.02 H	95	61.6	39.8
2	*5670.00	89.3 AV			2.02 H	95	49.5	39.8
3	#5725.00	55.6 PK	68.2	-12.6	2.04 H	99	50.9	4.7
4	11340.00	61.0 PK	74.0	-13.0	1.72 H	311	42.3	18.7
5	11340.00	47.7 AV	54.0	-6.3	1.72 H	311	29.0	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	115.3 PK			1.59 V	305	75.5	39.8
2	*5670.00	102.1 AV			1.59 V	305	62.3	39.8
3	#5725.00	56.9 PK	68.2	-11.3	1.66 V	313	52.2	4.7
4	11340.00	60.9 PK	74.0	-13.1	1.99 V	222	42.2	18.7
5	11340.00	47.3 AV	54.0	-6.7	1.99 V	222	28.6	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	54.6 PK	74.0	-19.4	2.11 H	186	50.1	4.5
2	5460.00	41.4 AV	54.0	-12.6	2.11 H	186	36.9	4.5
3	#5470.00	54.8 PK	68.2	-13.4	2.08 H	193	50.3	4.5
4	*5710.00	101.4 PK			2.22 H	183	61.4	40.0
5	*5710.00	89.5 AV			2.22 H	183	49.5	40.0
6	#5850.00	55.7 PK	68.2	-12.5	2.15 H	199	50.4	5.3
7	11420.00	60.1 PK	74.0	-13.9	2.39 H	309	41.6	18.5
8	11420.00	46.8 AV	54.0	-7.2	2.39 H	309	28.3	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.3 PK	74.0	-18.7	1.66 V	312	50.8	4.5
2	5460.00	42.3 AV	54.0	-11.7	1.66 V	312	37.8	4.5
3	#5470.00	55.5 PK	68.2	-12.7	1.63 V	303	51.0	4.5
4	*5710.00	115.3 PK			1.57 V	311	75.3	40.0
5	*5710.00	103.2 AV			1.57 V	311	63.2	40.0
6	#5850.00	56.5 PK	68.2	-11.7	1.52 V	293	51.2	5.3
7	11420.00	60.5 PK	74.0	-13.5	1.93 V	219	42.0	18.5
8	11420.00	47.2 AV	54.0	-6.8	1.93 V	219	28.7	18.5

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.7 PK	74.0	-18.3	2.02 H	199	51.6	4.1
2	5150.00	42.6 AV	54.0	-11.4	2.02 H	199	38.5	4.1
3	*5290.00	95.6 PK			2.11 H	191	56.5	39.1
4	*5290.00	82.3 AV			2.11 H	191	43.2	39.1
5	5350.00	56.1 PK	74.0	-17.9	1.99 H	203	52.0	4.1
6	5350.00	42.7 AV	54.0	-11.3	1.99 H	203	38.6	4.1
7	#10580.00	61.3 PK	68.2	-6.9	1.80 H	339	42.5	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.7 PK	74.0	-17.3	1.67 V	20	52.6	4.1
2	5150.00	43.2 AV	54.0	-10.8	1.67 V	20	39.1	4.1
3	*5290.00	110.1 PK			1.59 V	12	71.0	39.1
4	*5290.00	97.7 AV			1.59 V	12	58.6	39.1
5	5350.00	59.2 PK	74.0	-14.8	1.66 V	11	55.1	4.1
6	5350.00	46.1 AV	54.0	-7.9	1.66 V	11	42.0	4.1
7	#10580.00	61.4 PK	68.2	-6.8	2.09 V	207	42.6	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	55.1 PK	74.0	-18.9	2.00 H	108	50.6	4.5
2	5460.00	42.7 AV	54.0	-11.3	2.00 H	108	38.2	4.5
3	#5470.00	55.5 PK	68.2	-12.7	2.05 H	110	51.0	4.5
4	*5530.00	95.7 PK			2.03 H	106	56.0	39.7
5	*5530.00	83.5 AV			2.03 H	106	43.8	39.7
6	#5725.00	55.8 PK	68.2	-12.4	2.08 H	116	51.1	4.7
7	11060.00	61.2 PK	74.0	-12.8	1.61 H	296	42.3	18.9
8	11060.00	48.0 AV	54.0	-6.0	1.61 H	296	29.1	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.5 PK	74.0	-14.5	1.55 V	289	55.0	4.5
2	5460.00	46.1 AV	54.0	-7.9	1.55 V	289	41.6	4.5
3	#5470.00	60.0 PK	68.2	-8.2	1.66 V	305	55.5	4.5
4	*5530.00	110.2 PK			1.61 V	299	70.5	39.7
5	*5530.00	98.3 AV			1.61 V	299	58.6	39.7
6	#5725.00	56.7 PK	68.2	-11.5	1.63 V	301	52.0	4.7
7	11060.00	61.4 PK	74.0	-12.6	1.96 V	217	42.5	18.9
8	11060.00	47.7 AV	54.0	-6.3	1.96 V	217	28.8	18.9

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.3 PK	74.0	-18.7	2.08 H	92	50.8	4.5
2	5460.00	43.0 AV	54.0	-11.0	2.08 H	92	38.5	4.5
3	#5470.00	55.5 PK	68.2	-12.7	2.11 H	90	51.0	4.5
4	*5610.00	96.2 PK			2.18 H	93	56.4	39.8
5	*5610.00	84.5 AV			2.18 H	93	44.7	39.8
6	#5725.00	55.6 PK	68.2	-12.6	2.20 H	95	50.9	4.7
7	11220.00	60.8 PK	74.0	-13.2	1.68 H	301	42.1	18.7
8	11220.00	47.8 AV	54.0	-6.2	1.68 H	301	29.1	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.8 PK	74.0	-16.2	1.63 V	294	53.3	4.5
2	5460.00	34.6 AV	54.0	-19.4	1.63 V	294	30.1	4.5
3	#5470.00	58.4 PK	68.2	-9.8	1.70 V	307	53.9	4.5
4	*5610.00	110.2 PK			1.66 V	297	70.4	39.8
5	*5610.00	98.3 AV			1.66 V	297	58.5	39.8
6	#5725.00	57.2 PK	68.2	-11.0	1.55 V	292	52.5	4.7
7	11220.00	61.1 PK	74.0	-12.9	2.05 V	229	42.4	18.7
8	11220.00	47.5 AV	54.0	-6.5	2.05 V	229	28.8	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	54.8 PK	74.0	-19.2	2.15 H	189	50.3	4.5
2	5460.00	41.6 AV	54.0	-12.4	2.15 H	189	37.1	4.5
3	#5470.00	55.1 PK	68.2	-13.1	2.05 H	193	50.6	4.5
4	*5690.00	96.5 PK			1.97 H	179	56.7	39.8
5	*5690.00	84.9 AV			1.97 H	179	45.1	39.8
6	#5850.00	56.2 PK	68.2	-12.0	2.11 H	203	50.9	5.3
7	11380.00	60.5 PK	74.0	-13.5	2.08 H	310	42.0	18.5
8	11380.00	46.7 AV	54.0	-7.3	2.08 H	310	28.2	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.6 PK	74.0	-18.4	1.55 V	319	51.1	4.5
2	5460.00	42.3 AV	54.0	-11.7	1.55 V	319	37.8	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.58 V	310	51.5	4.5
4	*5690.00	110.5 PK			1.61 V	307	70.7	39.8
5	*5690.00	98.9 AV			1.61 V	307	59.1	39.8
6	#5850.00	57.4 PK	68.2	-10.8	1.63 V	293	52.1	5.3
7	11380.00	60.7 PK	74.0	-13.3	1.93 V	213	42.2	18.5
8	11380.00	47.0 AV	54.0	-7.0	1.93 V	213	28.5	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 42+58	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5130.00	55.5 PK	74.0	-18.5	2.22 H	266	51.5	4.0
2	5130.00	42.4 AV	54.0	-11.6	2.22 H	266	38.4	4.0
3	*5210.00	88.3 PK			2.05 H	233	49.1	39.2
4	*5210.00	76.7 AV			2.05 H	233	37.5	39.2
5	*5290.00	89.1 PK			2.12 H	29	50.0	39.1
6	*5290.00	77.1 AV			2.12 H	29	38.0	39.1
7	5350.00	55.7 PK	74.0	-18.3	1.93 H	39	51.6	4.1
8	5350.00	41.6 AV	54.0	-12.4	1.93 H	39	37.5	4.1
9	#10420.00	60.0 PK	68.2	-8.2	2.09 H	222	42.4	17.6
10	#10580.00	61.3 PK	68.2	-6.9	1.99 H	263	42.5	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5130.00	61.5 PK	74.0	-12.5	1.64 V	310	57.5	4.0
2	5130.00	53.0 AV	54.0	-1.0	1.64 V	310	49.0	4.0
3	*5210.00	102.6 PK			1.89 V	261	63.4	39.2
4	*5210.00	91.1 AV			1.89 V	261	51.9	39.2
5	*5290.00	102.1 PK			1.56 V	354	63.0	39.1
6	*5290.00	91.8 AV			1.56 V	354	52.7	39.1
7	5350.00	60.8 PK	74.0	-13.2	1.44 V	205	56.7	4.1
8	5350.00	43.4 AV	54.0	-10.6	1.44 V	205	39.3	4.1
9	#10420.00	60.2 PK	68.2	-8.0	2.09 V	331	42.6	17.6
10	#10580.00	61.2 PK	68.2	-7.0	1.97 V	206	42.4	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.2 PK	74.0	-18.8	1.63 H	115	50.7	4.5
2	5460.00	43.2 AV	54.0	-10.8	1.63 H	115	38.7	4.5
3	#5470.00	55.4 PK	68.2	-12.8	1.60 H	120	50.9	4.5
4	*5530.00	90.3 PK			1.58 H	114	50.6	39.7
5	*5530.00	78.7 AV			1.58 H	114	39.0	39.7
6	*5610.00	92.8 PK			1.49 H	106	53.0	39.8
7	*5610.00	81.0 AV			1.49 H	106	41.2	39.8
8	#5725.00	55.6 PK	68.2	-12.6	1.52 H	110	50.9	4.7
9	11060.00	61.1 PK	74.0	-12.9	1.82 H	336	42.2	18.9
10	11060.00	48.0 AV	54.0	-6.0	1.82 H	336	29.1	18.9
11	11220.00	60.8 PK	74.0	-13.2	1.82 H	335	42.1	18.7
12	11220.00	47.7 AV	54.0	-6.3	1.82 H	335	29.0	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5450.00	57.0 PK	74.0	-17.0	1.99 V	125	52.5	4.5
2	5450.00	48.4 AV	54.0	-5.6	1.99 V	125	43.9	4.5
3	#5470.00	57.6 PK	68.2	-10.6	1.92 V	45	53.1	4.5
4	*5530.00	105.5 PK			1.90 V	43	65.8	39.7
5	*5530.00	93.7 AV			1.90 V	43	54.0	39.7
6	*5610.00	102.9 PK			1.93 V	111	63.1	39.8
7	*5610.00	90.7 AV			1.93 V	111	50.9	39.8
8	#5725.00	55.8 PK	68.2	-12.4	2.00 V	113	51.1	4.7
9	11060.00	61.2 PK	74.0	-12.8	2.02 V	233	42.3	18.9
10	11060.00	48.0 AV	54.0	-6.0	2.02 V	233	29.1	18.9
11	11220.00	60.9 PK	74.0	-13.1	2.05 V	235	42.2	18.7
12	11220.00	47.9 AV	54.0	-6.1	2.05 V	235	29.2	18.7

Remarks:

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

Scanning radio: CDD Mode

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5100.00	56.0 PK	74.0	-18.0	2.15 H	160	52.0	4.0
2	5100.00	42.6 AV	54.0	-11.4	2.15 H	160	38.6	4.0
3	5150.00	56.3 PK	74.0	-17.7	2.01 H	161	52.2	4.1
4	5150.00	42.4 AV	54.0	-11.6	2.01 H	161	38.3	4.1
5	*5260.00	93.8 PK			2.11 H	158	54.8	39.0
6	*5260.00	83.5 AV			2.11 H	158	44.5	39.0
7	#10520.00	60.6 PK	68.2	-7.6	1.61 H	120	42.3	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5100.00	57.2 PK	74.0	-16.8	1.75 V	120	53.2	4.0
2	5100.00	46.0 AV	54.0	-8.0	1.75 V	120	42.0	4.0
3	5150.00	56.9 PK	74.0	-17.1	1.77 V	123	52.8	4.1
4	5150.00	43.7 AV	54.0	-10.3	1.77 V	123	39.6	4.1
5	*5260.00	108.4 PK			1.70 V	117	69.4	39.0
6	*5260.00	97.7 AV			1.70 V	117	58.7	39.0
7	#10520.00	60.8 PK	68.2	-7.4	2.03 V	266	42.5	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	94.3 PK			2.15 H	160	55.2	39.1
2	*5300.00	83.9 AV			2.15 H	160	44.8	39.1
3	10600.00	60.6 PK	74.0	-13.4	1.60 H	117	41.7	18.9
4	10600.00	47.2 AV	54.0	-6.8	1.60 H	117	28.3	18.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	108.5 PK			1.72 V	118	69.4	39.1
2	*5300.00	97.9 AV			1.72 V	118	58.8	39.1
3	10600.00	60.9 PK	74.0	-13.1	1.97 V	253	42.0	18.9
4	10600.00	47.4 AV	54.0	-6.6	1.97 V	253	28.5	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	94.4 PK			2.17 H	157	55.2	39.2
2	*5320.00	84.8 AV			2.17 H	157	45.6	39.2
3	5350.00	55.0 PK	74.0	-19.0	2.09 H	159	50.9	4.1
4	5350.00	41.8 AV	54.0	-12.2	2.09 H	159	37.7	4.1
5	5395.00	55.6 PK	74.0	-18.4	2.11 H	161	51.2	4.4
6	5395.00	42.2 AV	54.0	-11.8	2.11 H	161	37.8	4.4
7	10640.00	60.7 PK	74.0	-13.3	1.59 H	121	42.1	18.6
8	10640.00	47.0 AV	54.0	-7.0	1.59 H	121	28.4	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	108.2 PK			1.63 V	115	69.0	39.2
2	*5320.00	98.2 AV			1.63 V	115	59.0	39.2
3	5350.00	58.8 PK	74.0	-15.2	1.63 V	125	54.7	4.1
4	5350.00	45.1 AV	54.0	-8.9	1.63 V	125	41.0	4.1
5	5395.00	59.0 PK	74.0	-15.0	1.69 V	120	54.6	4.4
6	5395.00	46.6 AV	54.0	-7.4	1.69 V	120	42.2	4.4
7	10640.00	60.6 PK	74.0	-13.4	2.12 V	263	42.0	18.6
8	10640.00	47.2 AV	54.0	-6.8	2.12 V	263	28.6	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5420.00	55.9 PK	74.0	-18.1	2.03 H	155	51.5	4.4
2	5420.00	42.6 AV	54.0	-11.4	2.03 H	155	38.2	4.4
3	5460.00	55.6 PK	74.0	-18.4	2.10 H	160	51.1	4.5
4	5460.00	42.5 AV	54.0	-11.5	2.10 H	160	38.0	4.5
5	#5470.00	55.8 PK	68.2	-12.4	2.09 H	161	51.3	4.5
6	*5500.00	93.2 PK			2.00 H	163	53.5	39.7
7	*5500.00	83.3 AV			2.00 H	163	43.6	39.7
8	11000.00	61.7 PK	74.0	-12.3	1.66 H	155	42.4	19.3
9	11000.00	47.9 AV	54.0	-6.1	1.66 H	155	28.6	19.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5420.00	57.8 PK	74.0	-16.2	1.50 V	210	53.4	4.4
2	5420.00	45.3 AV	54.0	-8.7	1.50 V	210	40.9	4.4
3	5460.00	55.0 PK	74.0	-19.0	1.45 V	220	50.5	4.5
4	5460.00	43.0 AV	54.0	-11.0	1.45 V	220	38.5	4.5
5	#5470.00	55.4 PK	68.2	-12.8	1.50 V	217	50.9	4.5
6	*5500.00	107.3 PK			1.42 V	225	67.6	39.7
7	*5500.00	97.3 AV			1.42 V	225	57.6	39.7
8	11000.00	61.8 PK	74.0	-12.2	1.90 V	243	42.5	19.3
9	11000.00	48.2 AV	54.0	-5.8	1.90 V	243	28.9	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	93.1 PK			2.07 H	159	53.4	39.7
2	*5580.00	82.2 AV			2.07 H	159	42.5	39.7
3	11160.00	61.0 PK	74.0	-13.0	1.70 H	157	42.4	18.6
4	11160.00	47.3 AV	54.0	-6.7	1.70 H	157	28.7	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	107.1 PK			1.55 V	215	67.4	39.7
2	*5580.00	96.4 AV			1.55 V	215	56.7	39.7
3	11160.00	60.9 PK	74.0	-13.1	1.97 V	250	42.3	18.6
4	11160.00	47.4 AV	54.0	-6.6	1.97 V	250	28.8	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	92.3 PK			1.97 H	165	52.5	39.8
2	*5700.00	81.8 AV			1.97 H	165	42.0	39.8
3	#5725.00	56.7 PK	68.2	-11.5	2.09 H	166	52.0	4.7
4	11400.00	60.8 PK	74.0	-13.2	1.70 H	161	42.3	18.5
5	11400.00	47.0 AV	54.0	-7.0	1.70 H	161	28.5	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.5 PK			1.46 V	218	66.7	39.8
2	*5700.00	95.8 AV			1.46 V	218	56.0	39.8
3	#5725.00	57.5 PK	68.2	-10.7	1.57 V	209	52.8	4.7
4	11400.00	60.9 PK	74.0	-13.1	1.99 V	260	42.4	18.5
5	11400.00	47.1 AV	54.0	-6.9	1.99 V	260	28.6	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	55.8 PK	74.0	-18.2	2.02 H	281	51.3	4.5
2	5460.00	43.8 AV	54.0	-10.2	2.02 H	281	39.3	4.5
3	#5470.00	56.0 PK	68.2	-12.2	2.05 H	283	51.5	4.5
4	*5720.00	90.8 PK			2.00 H	279	50.8	40.0
5	*5720.00	80.9 AV			2.00 H	279	40.9	40.0
6	#5850.00	56.7 PK	68.2	-11.5	1.92 H	274	51.4	5.3
7	11440.00	60.8 PK	74.0	-13.2	1.69 H	172	42.2	18.6
8	11440.00	47.9 AV	54.0	-6.1	1.69 H	172	29.3	18.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.7 PK	74.0	-18.3	1.72 V	199	51.2	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.72 V	199	39.2	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.75 V	202	51.5	4.5
4	*5720.00	104.1 PK			1.70 V	195	64.1	40.0
5	*5720.00	93.8 AV			1.70 V	195	53.8	40.0
6	#5850.00	56.8 PK	68.2	-11.4	1.79 V	203	51.5	5.3
7	11440.00	60.9 PK	74.0	-13.1	2.02 V	266	42.3	18.6
8	11440.00	47.7 AV	54.0	-6.3	2.02 V	266	29.1	18.6

Remarks:

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

802.11n (HT20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5100.00	55.8 PK	74.0	-18.2	2.00 H	161	51.8	4.0
2	5100.00	42.6 AV	54.0	-11.4	2.00 H	161	38.6	4.0
3	5150.00	55.2 PK	74.0	-18.8	2.09 H	159	51.1	4.1
4	5150.00	42.5 AV	54.0	-11.5	2.09 H	159	38.4	4.1
5	*5260.00	93.0 PK			2.13 H	157	54.0	39.0
6	*5260.00	82.7 AV			2.13 H	157	43.7	39.0
7	#10520.00	60.6 PK	68.2	-7.6	1.57 H	117	42.3	18.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5100.00	59.0 PK	74.0	-15.0	1.57 V	117	55.0	4.0
2	5100.00	45.8 AV	54.0	-8.2	1.57 V	117	41.8	4.0
3	5150.00	57.1 PK	74.0	-16.9	1.61 V	121	53.0	4.1
4	5150.00	43.3 AV	54.0	-10.7	1.61 V	121	39.2	4.1
5	*5260.00	108.0 PK			1.59 V	118	69.0	39.0
6	*5260.00	97.6 AV			1.59 V	118	58.6	39.0
7	#10520.00	60.8 PK	68.2	-7.4	2.11 V	261	42.5	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	93.9 PK			2.19 H	159	54.8	39.1
2	*5300.00	83.6 AV			2.19 H	159	44.5	39.1
3	10600.00	60.9 PK	74.0	-13.1	1.63 H	123	42.0	18.9
4	10600.00	47.4 AV	54.0	-6.6	1.63 H	123	28.5	18.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	108.4 PK			1.70 V	120	69.3	39.1
2	*5300.00	97.7 AV			1.70 V	120	58.6	39.1
3	10600.00	61.0 PK	74.0	-13.0	2.00 V	273	42.1	18.9
4	10600.00	47.5 AV	54.0	-6.5	2.00 V	273	28.6	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	93.4 PK			2.16 H	160	54.2	39.2
2	*5320.00	83.6 AV			2.16 H	160	44.4	39.2
3	5350.00	55.1 PK	74.0	-18.9	2.11 H	157	51.0	4.1
4	5350.00	41.9 AV	54.0	-12.1	2.11 H	157	37.8	4.1
5	5395.00	55.2 PK	74.0	-18.8	2.09 H	163	50.8	4.4
6	5395.00	41.9 AV	54.0	-12.1	2.09 H	163	37.5	4.4
7	10640.00	60.8 PK	74.0	-13.2	1.59 H	129	42.2	18.6
8	10640.00	46.9 AV	54.0	-7.1	1.59 H	129	28.3	18.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	108.5 PK			1.60 V	115	69.3	39.2
2	*5320.00	98.0 AV			1.60 V	115	58.8	39.2
3	5350.00	57.5 PK	74.0	-16.5	1.57 V	119	53.4	4.1
4	5350.00	44.6 AV	54.0	-9.4	1.57 V	119	40.5	4.1
5	5395.00	57.9 PK	74.0	-16.1	1.59 V	120	53.5	4.4
6	5395.00	46.4 AV	54.0	-7.6	1.59 V	120	42.0	4.4
7	10640.00	60.9 PK	74.0	-13.1	2.10 V	263	42.3	18.6
8	10640.00	47.2 AV	54.0	-6.8	2.10 V	263	28.6	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5420.00	55.5 PK	74.0	-18.5	2.11 H	161	51.1	4.4
2	5420.00	42.4 AV	54.0	-11.6	2.11 H	161	38.0	4.4
3	5460.00	55.4 PK	74.0	-18.6	2.07 H	159	50.9	4.5
4	5460.00	42.3 AV	54.0	-11.7	2.07 H	159	37.8	4.5
5	#5470.00	55.5 PK	68.2	-12.7	1.99 H	157	51.0	4.5
6	*5500.00	93.4 PK			2.12 H	168	53.7	39.7
7	*5500.00	83.2 AV			2.12 H	168	43.5	39.7
8	11000.00	61.7 PK	74.0	-12.3	1.63 H	157	42.4	19.3
9	11000.00	48.1 AV	54.0	-5.9	1.63 H	157	28.8	19.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5420.00	57.9 PK	74.0	-16.1	1.51 V	211	53.5	4.4
2	5420.00	45.4 AV	54.0	-8.6	1.51 V	211	41.0	4.4
3	5460.00	55.1 PK	74.0	-18.9	1.47 V	219	50.6	4.5
4	5460.00	43.1 AV	54.0	-10.9	1.47 V	219	38.6	4.5
5	#5470.00	54.5 PK	68.2	-13.7	1.58 V	220	50.0	4.5
6	*5500.00	107.4 PK			1.51 V	220	67.7	39.7
7	*5500.00	97.2 AV			1.51 V	220	57.5	39.7
8	11000.00	61.9 PK	74.0	-12.1	2.02 V	249	42.6	19.3
9	11000.00	48.3 AV	54.0	-5.7	2.02 V	249	29.0	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	93.0 PK			2.10 H	161	53.3	39.7
2	*5580.00	82.7 AV			2.10 H	161	43.0	39.7
3	11160.00	61.0 PK	74.0	-13.0	1.71 H	160	42.4	18.6
4	11160.00	47.1 AV	54.0	-6.9	1.71 H	160	28.5	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	107.2 PK			1.49 V	219	67.5	39.7
2	*5580.00	96.7 AV			1.49 V	219	57.0	39.7
3	11160.00	61.1 PK	74.0	-12.9	2.09 V	263	42.5	18.6
4	11160.00	47.3 AV	54.0	-6.7	2.09 V	263	28.7	18.6

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	92.3 PK			2.03 H	161	52.5	39.8
2	*5700.00	81.8 AV			2.03 H	161	42.0	39.8
3	#5725.00	56.8 PK	68.2	-11.4	2.10 H	159	52.1	4.7
4	11400.00	60.5 PK	74.0	-13.5	1.61 H	157	42.0	18.5
5	11400.00	47.0 AV	54.0	-7.0	1.61 H	157	28.5	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.4 PK			1.55 V	217	66.6	39.8
2	*5700.00	95.7 AV			1.55 V	217	55.9	39.8
3	#5725.00	57.2 PK	68.2	-11.0	1.47 V	223	52.5	4.7
4	11400.00	60.7 PK	74.0	-13.3	1.93 V	257	42.2	18.5
5	11400.00	47.1 AV	54.0	-6.9	1.93 V	257	28.6	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	55.8 PK	74.0	-18.2	2.03 H	281	51.3	4.5
2	5460.00	43.8 AV	54.0	-10.2	2.03 H	281	39.3	4.5
3	#5470.00	56.0 PK	68.2	-12.2	2.08 H	283	51.5	4.5
4	*5720.00	90.6 PK			2.01 H	278	50.6	40.0
5	*5720.00	80.5 AV			2.01 H	278	40.5	40.0
6	#5850.00	56.8 PK	68.2	-11.4	1.99 H	278	51.5	5.3
7	11440.00	60.8 PK	74.0	-13.2	1.82 H	164	42.2	18.6
8	11440.00	47.8 AV	54.0	-6.2	1.82 H	164	29.2	18.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.8 PK	74.0	-18.2	1.63 V	199	51.3	4.5
2	5460.00	43.8 AV	54.0	-10.2	1.63 V	199	39.3	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.65 V	201	51.5	4.5
4	*5720.00	103.7 PK			1.61 V	195	63.7	40.0
5	*5720.00	93.1 AV			1.61 V	195	53.1	40.0
6	#5850.00	56.9 PK	68.2	-11.3	1.70 V	203	51.6	5.3
7	11440.00	60.9 PK	74.0	-13.1	2.00 V	264	42.3	18.6
8	11440.00	47.7 AV	54.0	-6.3	2.00 V	264	29.1	18.6

Remarks:

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

802.11n (HT40)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5100.00	55.5 PK	74.0	-18.5	2.17 H	157	51.5	4.0
2	5100.00	42.5 AV	54.0	-11.5	2.17 H	157	38.5	4.0
3	5150.00	55.3 PK	74.0	-18.7	2.20 H	161	51.2	4.1
4	5150.00	42.3 AV	54.0	-11.7	2.20 H	161	38.2	4.1
5	*5270.00	90.1 PK			2.32 H	159	51.0	39.1
6	*5270.00	79.6 AV			2.32 H	159	40.5	39.1
7	#10540.00	60.3 PK	68.2	-7.9	1.58 H	117	41.8	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5100.00	57.2 PK	74.0	-16.8	1.61 V	117	53.2	4.0
2	5100.00	44.4 AV	54.0	-9.6	1.61 V	117	40.4	4.0
3	5150.00	58.2 PK	74.0	-15.8	1.60 V	120	54.1	4.1
4	5150.00	43.3 AV	54.0	-10.7	1.60 V	120	39.2	4.1
5	*5270.00	105.1 PK			1.59 V	115	66.0	39.1
6	*5270.00	94.8 AV			1.59 V	115	55.7	39.1
7	#10540.00	60.5 PK	68.2	-7.7	1.98 V	263	42.0	18.5

Remarks:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	90.9 PK			2.28 H	157	51.7	39.2
2	*5310.00	80.8 AV			2.28 H	157	41.6	39.2
3	5350.00	55.8 PK	74.0	-18.2	2.20 H	159	51.7	4.1
4	5350.00	41.7 AV	54.0	-12.3	2.20 H	159	37.6	4.1
5	5395.00	55.8 PK	74.0	-18.2	2.17 H	161	51.4	4.4
6	5395.00	41.7 AV	54.0	-12.3	2.17 H	161	37.3	4.4
7	10620.00	60.9 PK	74.0	-13.1	1.63 H	120	42.1	18.8
8	10620.00	47.1 AV	54.0	-6.9	1.63 H	120	28.3	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	105.2 PK			1.73 V	116	66.0	39.2
2	*5310.00	94.9 AV			1.73 V	116	55.7	39.2
3	5350.00	58.8 PK	74.0	-15.2	1.61 V	117	54.7	4.1
4	5350.00	45.4 AV	54.0	-8.6	1.61 V	117	41.3	4.1
5	5395.00	58.0 PK	74.0	-16.0	1.70 V	120	53.6	4.4
6	5395.00	45.6 AV	54.0	-8.4	1.70 V	120	41.2	4.4
7	10620.00	61.1 PK	74.0	-12.9	1.91 V	253	42.3	18.8
8	10620.00	47.4 AV	54.0	-6.6	1.91 V	253	28.6	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.2 PK	74.0	-16.8	2.13 H	166	52.7	4.5
2	5460.00	43.6 AV	54.0	-10.4	2.13 H	166	39.1	4.5
3	#5470.00	57.4 PK	68.2	-10.8	2.07 H	159	52.9	4.5
4	*5510.00	90.7 PK			2.10 H	165	51.0	39.7
5	*5510.00	80.8 AV			2.10 H	165	41.1	39.7
6	11020.00	61.9 PK	74.0	-12.1	1.70 H	161	42.8	19.1
7	11020.00	47.9 AV	54.0	-6.1	1.70 H	161	28.8	19.1

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.7 PK	74.0	-16.3	1.49 V	220	53.2	4.5
2	5460.00	45.1 AV	54.0	-8.9	1.49 V	220	40.6	4.5
3	#5470.00	58.2 PK	68.2	-10.0	1.51 V	219	53.7	4.5
4	*5510.00	104.7 PK			1.46 V	225	65.0	39.7
5	*5510.00	94.8 AV			1.46 V	225	55.1	39.7
6	11020.00	61.8 PK	74.0	-12.2	2.15 V	249	42.7	19.1
7	11020.00	47.9 AV	54.0	-6.1	2.15 V	249	28.8	19.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	90.8 PK			1.99 H	163	51.1	39.7
2	*5550.00	80.7 AV			1.99 H	163	41.0	39.7
3	11100.00	61.0 PK	74.0	-13.0	1.61 H	152	42.4	18.6
4	11100.00	46.9 AV	54.0	-7.1	1.61 H	152	28.3	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	104.9 PK			1.51 V	220	65.2	39.7
2	*5550.00	94.8 AV			1.51 V	220	55.1	39.7
3	11100.00	61.1 PK	74.0	-12.9	1.97 V	247	42.5	18.6
4	11100.00	47.1 AV	54.0	-6.9	1.97 V	247	28.5	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	90.3 PK			2.02 H	159	50.5	39.8
2	*5670.00	80.0 AV			2.02 H	159	40.2	39.8
3	#5725.00	56.5 PK	68.2	-11.7	2.11 H	163	51.8	4.7
4	11340.00	61.2 PK	74.0	-12.8	1.71 H	159	42.5	18.7
5	11340.00	47.2 AV	54.0	-6.8	1.71 H	159	28.5	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	104.5 PK			1.46 V	216	64.7	39.8
2	*5670.00	94.1 AV			1.46 V	216	54.3	39.8
3	#5725.00	56.7 PK	68.2	-11.5	1.51 V	220	52.0	4.7
4	11340.00	61.1 PK	74.0	-12.9	1.90 V	263	42.4	18.7
5	11340.00	47.3 AV	54.0	-6.7	1.90 V	263	28.6	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	55.7 PK	74.0	-18.3	2.05 H	270	51.2	4.5
2	5460.00	43.7 AV	54.0	-10.3	2.05 H	270	39.2	4.5
3	#5470.00	56.0 PK	68.2	-12.2	2.08 H	272	51.5	4.5
4	*5710.00	87.7 PK			2.02 H	264	47.7	40.0
5	*5710.00	77.4 AV			2.02 H	264	37.4	40.0
6	#5850.00	56.9 PK	68.2	-11.3	2.11 H	281	51.6	5.3
7	11420.00	60.8 PK	74.0	-13.2	1.82 H	164	42.3	18.5
8	11420.00	47.7 AV	54.0	-6.3	1.82 H	164	29.2	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.5 PK	74.0	-18.5	1.62 V	199	51.0	4.5
2	5460.00	43.7 AV	54.0	-10.3	1.62 V	199	39.2	4.5
3	#5470.00	55.8 PK	68.2	-12.4	1.67 V	203	51.3	4.5
4	*5710.00	100.5 PK			1.59 V	196	60.5	40.0
5	*5710.00	89.8 AV			1.59 V	196	49.8	40.0
6	#5850.00	56.9 PK	68.2	-11.3	1.66 V	205	51.6	5.3
7	11420.00	60.7 PK	74.0	-13.3	2.22 V	264	42.2	18.5
8	11420.00	47.6 AV	54.0	-6.4	2.22 V	264	29.1	18.5

Remarks:

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

802.11ac (VHT80)

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	56.1 PK	74.0	-17.9	2.20 H	163	52.0	4.1
2	5150.00	43.3 AV	54.0	-10.7	2.20 H	163	39.2	4.1
3	*5290.00	85.6 PK			2.18 H	159	46.5	39.1
4	*5290.00	75.3 AV			2.18 H	159	36.2	39.1
5	5350.00	55.4 PK	74.0	-18.6	2.03 H	155	51.3	4.1
6	5350.00	43.6 AV	54.0	-10.4	2.03 H	155	39.5	4.1
7	#10580.00	60.4 PK	68.2	-7.8	1.51 H	111	41.6	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.3 PK	74.0	-16.7	1.69 V	119	53.2	4.1
2	5150.00	45.0 AV	54.0	-9.0	1.69 V	119	40.9	4.1
3	*5290.00	100.2 PK			1.61 V	117	61.1	39.1
4	*5290.00	89.1 AV			1.61 V	117	50.0	39.1
5	5350.00	66.1 PK	74.0	-7.9	1.67 V	114	62.0	4.1
6	5350.00	53.0 AV	54.0	-1.0	1.67 V	114	48.9	4.1
7	#10580.00	60.5 PK	68.2	-7.7	1.93 V	253	41.7	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	56.2 PK	74.0	-17.8	2.11 H	161	51.7	4.5
2	5460.00	43.0 AV	54.0	-11.0	2.11 H	161	38.5	4.5
3	#5470.00	56.5 PK	68.2	-11.7	2.03 H	158	52.0	4.5
4	*5530.00	88.1 PK			2.12 H	167	48.4	39.7
5	*5530.00	78.0 AV			2.12 H	167	38.3	39.7
6	#5725.00	55.6 PK	68.2	-12.6	2.09 H	160	50.9	4.7
7	11060.00	61.5 PK	74.0	-12.5	1.69 H	169	42.6	18.9
8	11060.00	47.7 AV	54.0	-6.3	1.69 H	169	28.8	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.3 PK	74.0	-12.7	1.50 V	220	56.8	4.5
2	5460.00	47.6 AV	54.0	-6.4	1.50 V	220	43.1	4.5
3	#5470.00	66.5 PK	68.2	-1.7	1.48 V	225	62.0	4.5
4	*5530.00	102.2 PK			1.45 V	227	62.5	39.7
5	*5530.00	92.0 AV			1.45 V	227	52.3	39.7
6	#5725.00	56.7 PK	68.2	-11.5	1.53 V	221	52.0	4.7
7	11060.00	61.7 PK	74.0	-12.3	2.15 V	260	42.8	18.9
8	11060.00	47.9 AV	54.0	-6.1	2.15 V	260	29.0	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.5 PK	74.0	-18.5	2.07 H	166	51.0	4.5
2	5460.00	43.2 AV	54.0	-10.8	2.07 H	166	38.7	4.5
3	#5470.00	56.0 PK	68.2	-12.2	2.09 H	155	51.5	4.5
4	*5610.00	88.6 PK			2.17 H	170	48.8	39.8
5	*5610.00	78.4 AV			2.17 H	170	38.6	39.8
6	#5725.00	55.7 PK	68.2	-12.5	2.13 H	159	51.0	4.7
7	11220.00	61.2 PK	74.0	-12.8	1.71 H	157	42.5	18.7
8	11220.00	47.4 AV	54.0	-6.6	1.71 H	157	28.7	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	1.42 V	217	51.5	4.5
2	5460.00	43.6 AV	54.0	-10.4	1.42 V	217	39.1	4.5
3	#5470.00	56.6 PK	68.2	-11.6	1.49 V	220	52.1	4.5
4	*5610.00	102.6 PK			1.43 V	216	62.8	39.8
5	*5610.00	92.4 AV			1.43 V	216	52.6	39.8
6	#5725.00	56.3 PK	68.2	-11.9	1.51 V	220	51.6	4.7
7	11220.00	61.4 PK	74.0	-12.6	1.99 V	257	42.7	18.7
8	11220.00	47.6 AV	54.0	-6.4	1.99 V	257	28.9	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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	5460.00	55.6 PK	74.0	-18.4	1.90 H	270	51.1	4.5
2	5460.00	43.6 AV	54.0	-10.4	1.90 H	270	39.1	4.5
3	#5470.00	56.0 PK	68.2	-12.2	1.92 H	271	51.5	4.5
4	*5690.00	85.3 PK			1.84 H	265	45.5	39.8
5	*5690.00	75.1 AV			1.84 H	265	35.3	39.8
6	#5850.00	56.7 PK	68.2	-11.5	1.92 H	272	51.4	5.3
7	11380.00	60.8 PK	74.0	-13.2	1.72 H	152	42.3	18.5
8	11380.00	47.6 AV	54.0	-6.4	1.72 H	152	29.1	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.8 PK	74.0	-18.2	1.42 V	220	51.3	4.5
2	5460.00	44.0 AV	54.0	-10.0	1.42 V	220	39.5	4.5
3	#5470.00	56.1 PK	68.2	-12.1	1.45 V	223	51.6	4.5
4	*5690.00	100.0 PK			1.37 V	216	60.2	39.8
5	*5690.00	88.3 AV			1.37 V	216	48.5	39.8
6	#5850.00	56.8 PK	68.2	-11.4	1.47 V	224	51.5	5.3
7	11380.00	60.8 PK	74.0	-13.2	2.20 V	255	42.3	18.5
8	11380.00	47.8 AV	54.0	-6.2	2.20 V	255	29.3	18.5

Remarks:

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

Test Mode A

5G traffic radio: CDD Mode

802.11ax (HE80)

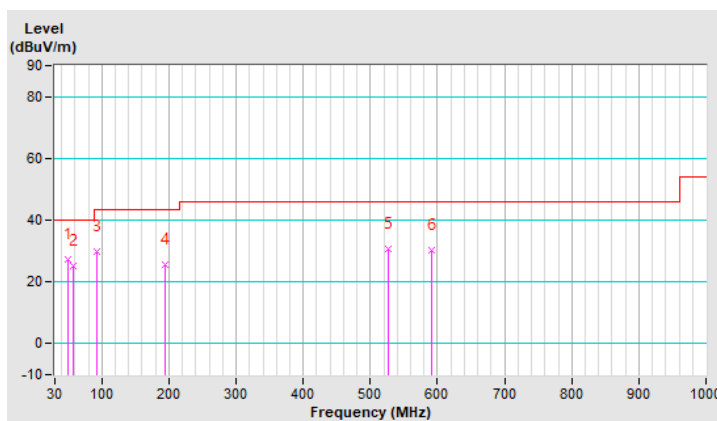
CHANNEL	TX Channel 58	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	A

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.68	27.1 QP	40.0	-12.9	1.49 H	245	35.9	-8.8
2	56.71	25.0 QP	40.0	-15.0	2.00 H	0	34.1	-9.1
3	91.86	30.0 QP	43.5	-13.5	2.00 H	324	44.2	-14.2
4	194.48	25.7 QP	43.5	-17.8	1.49 H	72	37.2	-11.5
5	526.25	30.6 QP	46.0	-15.4	1.49 H	151	31.4	-0.8
6	590.91	30.3 QP	46.0	-15.7	1.49 H	152	29.5	0.8

Remarks:

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

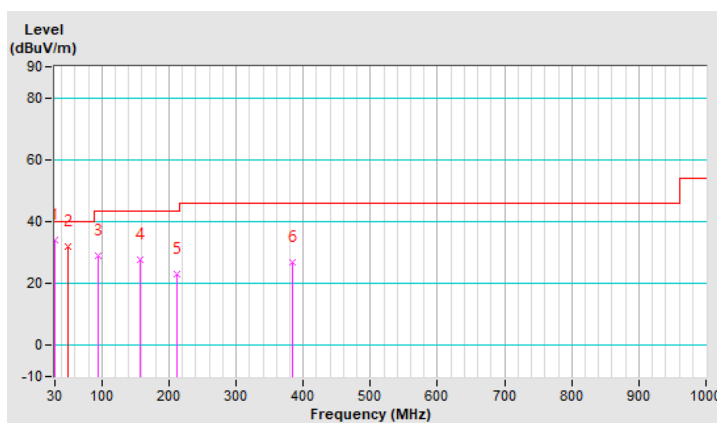


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	A

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	30.00	34.2 QP	40.0	-5.8	1.51 V	185	44.6	-10.4
2	50.43	32.0 QP	40.0	-8.0	1.50 V	140	40.7	-8.7
3	94.67	28.9 QP	43.5	-14.6	1.00 V	122	42.9	-14.0
4	157.93	27.6 QP	43.5	-15.9	1.00 V	13	36.1	-8.5
5	211.35	23.1 QP	43.5	-20.4	1.00 V	13	34.5	-11.4
6	384.26	26.9 QP	46.0	-19.1	1.00 V	13	31.8	-4.9

Remarks:

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



Test Mode A

Scanning radio: CDD Mode

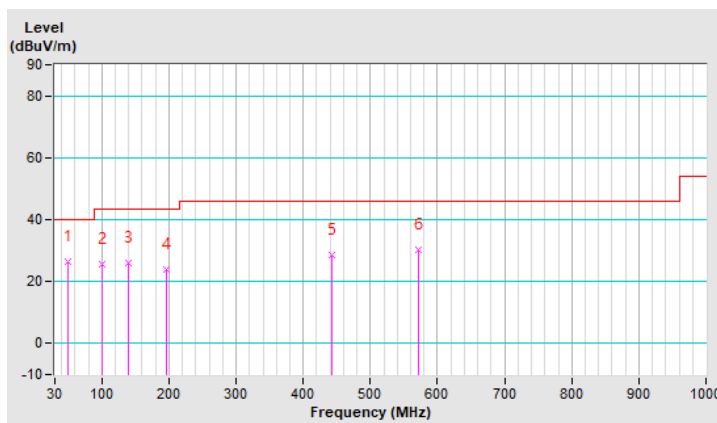
802.11a

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	A

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.68	26.6 QP	40.0	-13.4	2.00 H	303	35.4	-8.8
2	100.29	25.4 QP	43.5	-18.1	2.00 H	258	38.5	-13.1
3	139.65	26.0 QP	43.5	-17.5	2.00 H	77	35.1	-9.1
4	195.88	23.9 QP	43.5	-19.6	1.51 H	82	35.5	-11.6
5	441.90	28.4 QP	46.0	-17.6	2.00 H	112	31.2	-2.8
6	572.64	30.3 QP	46.0	-15.7	1.51 H	145	30.0	0.3

Remarks:

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

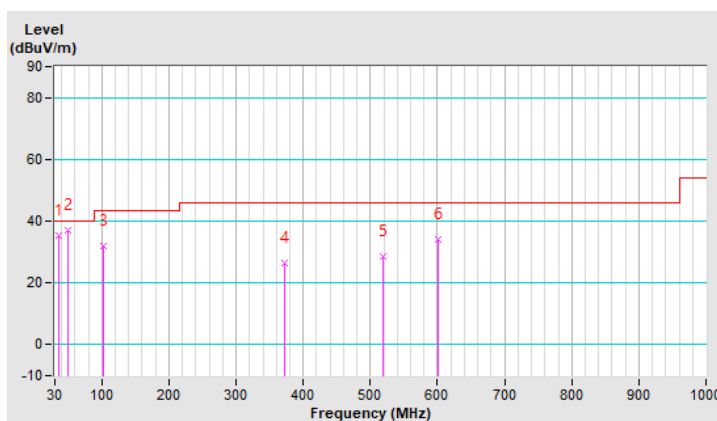


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	A

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	35.62	35.2 QP	40.0	-4.8	1.00 V	171	45.3	-10.1
2	49.68	37.0 QP	40.0	-3.0	1.00 V	244	45.8	-8.8
3	103.10	32.0 QP	43.5	-11.5	1.00 V	79	44.7	-12.7
4	371.61	26.5 QP	46.0	-19.5	1.49 V	56	31.8	-5.3
5	519.22	28.5 QP	46.0	-17.5	2.00 V	223	29.4	-0.9
6	600.75	34.1 QP	46.0	-11.9	1.00 V	297	33.0	1.1

Remarks:

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



Test Mode B

5G traffic radio: CDD Mode

802.11ax (HE80)

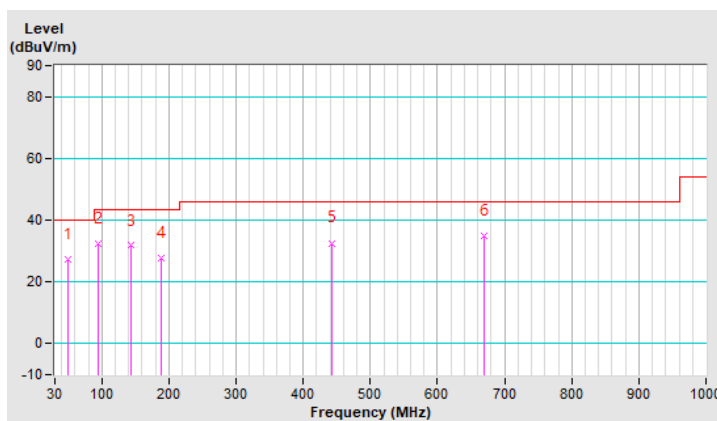
CHANNEL	TX Channel 58	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	B

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.68	27.3 QP	40.0	-12.7	2.00 H	272	36.1	-8.8
2	94.67	32.2 QP	43.5	-11.3	2.00 H	298	46.2	-14.0
3	143.87	31.7 QP	43.5	-11.8	2.00 H	261	40.5	-8.8
4	188.86	27.9 QP	43.5	-15.6	1.51 H	115	38.8	-10.9
5	441.90	32.6 QP	46.0	-13.4	2.00 H	138	35.4	-2.8
6	669.64	34.9 QP	46.0	-11.1	1.00 H	239	33.2	1.7

Remarks:

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

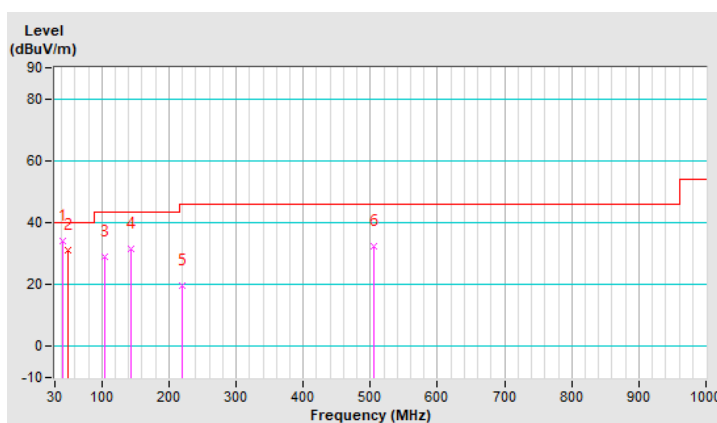


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	B

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	41.25	34.0 QP	40.0	-6.0	1.00 V	356	43.2	-9.2
2	50.42	31.3 QP	40.0	-8.7	2.00 V	15	40.0	-8.7
3	104.51	28.9 QP	43.5	-14.6	1.00 V	16	41.3	-12.4
4	142.46	31.4 QP	43.5	-12.1	1.00 V	289	40.3	-8.9
5	219.78	19.8 QP	46.0	-26.2	1.50 V	12	31.1	-11.3
6	505.16	32.2 QP	46.0	-13.8	1.00 V	147	33.5	-1.3

Remarks:

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



Test Mode B

Scanning radio: CDD Mode

802.11a

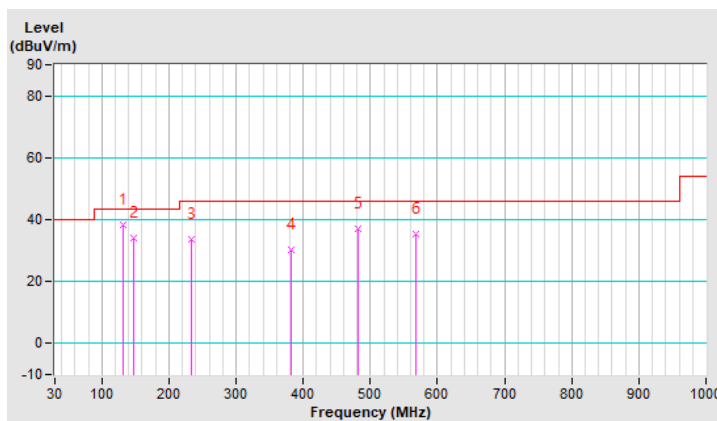
CHANNEL	TX Channel 100	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	B

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	132.62	38.5 QP	43.5	-5.0	2.00 H	258	48.2	-9.7
2	148.09	34.1 QP	43.5	-9.4	2.00 H	258	42.8	-8.7
3	233.84	33.7 QP	46.0	-12.3	1.00 H	282	44.3	-10.6
4	381.45	30.4 QP	46.0	-15.6	1.00 H	124	35.4	-5.0
5	481.26	37.0 QP	46.0	-9.0	2.00 H	297	38.9	-1.9
6	568.42	35.5 QP	46.0	-10.5	1.49 H	103	35.4	0.1

Remarks:

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

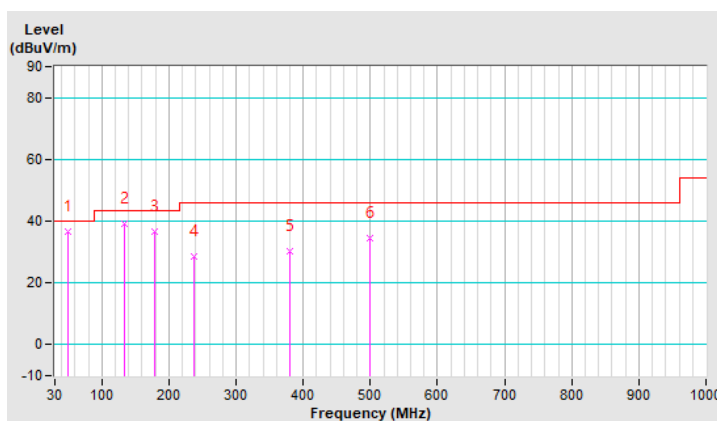


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	B

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.68	36.5 QP	40.0	-3.5	1.01 V	317	45.3	-8.8
2	134.03	39.3 QP	43.5	-4.2	1.01 V	302	48.8	-9.5
3	179.01	36.5 QP	43.5	-7.0	1.01 V	49	46.3	-9.8
4	236.65	28.6 QP	46.0	-17.4	2.00 V	137	38.9	-10.3
5	380.04	30.3 QP	46.0	-15.7	1.01 V	259	35.3	-5.0
6	499.54	34.6 QP	46.0	-11.4	1.01 V	153	36.1	-1.5

Remarks:

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



Test Mode C

5G traffic radio: CDD Mode

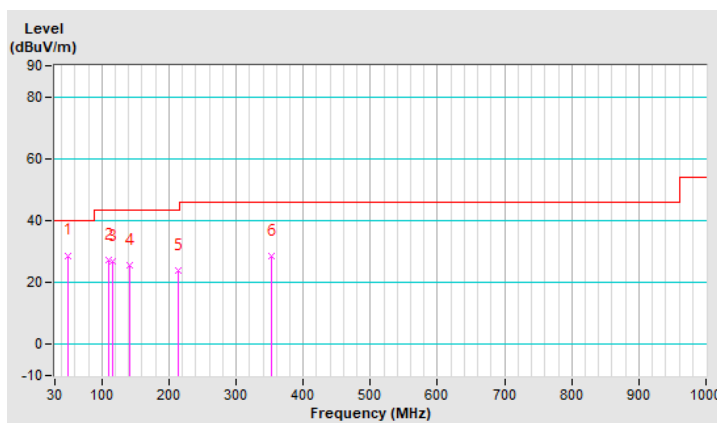
802.11ax (HE80)

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	C

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.68	28.8 QP	40.0	-11.2	2.00 H	224	37.6	-8.8
2	110.13	27.2 QP	43.5	-16.3	1.51 H	359	39.0	-11.8
3	115.75	27.0 QP	43.5	-16.5	1.51 H	359	38.4	-11.4
4	141.06	25.7 QP	43.5	-17.8	2.00 H	66	34.7	-9.0
5	214.16	23.7 QP	43.5	-19.8	1.51 H	202	35.0	-11.3
6	353.33	28.4 QP	46.0	-17.6	1.00 H	184	34.5	-6.1

Remarks:

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

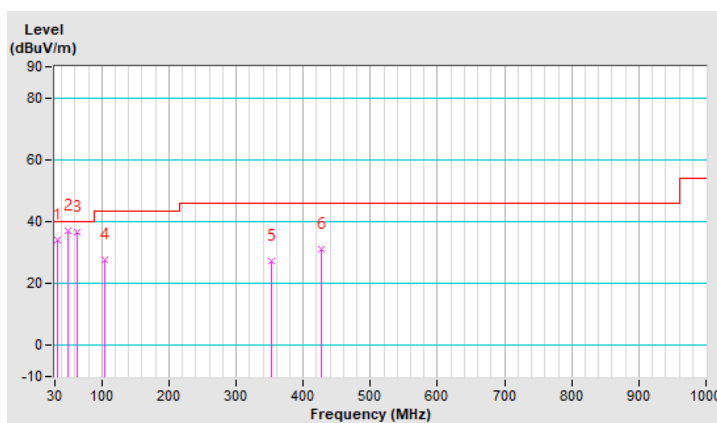


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	C

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	34.22	34.1 QP	40.0	-5.9	1.50 V	83	44.4	-10.3
2	49.68	36.9 QP	40.0	-3.1	1.50 V	8	45.7	-8.8
3	62.33	36.7 QP	40.0	-3.3	1.50 V	5	46.2	-9.5
4	104.51	27.8 QP	43.5	-15.7	1.00 V	117	40.2	-12.4
5	353.33	27.2 QP	46.0	-18.8	1.50 V	157	33.3	-6.1
6	427.84	31.2 QP	46.0	-14.8	1.00 V	156	34.5	-3.3

Remarks:

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



Test Mode C

Scanning radio: CDD Mode

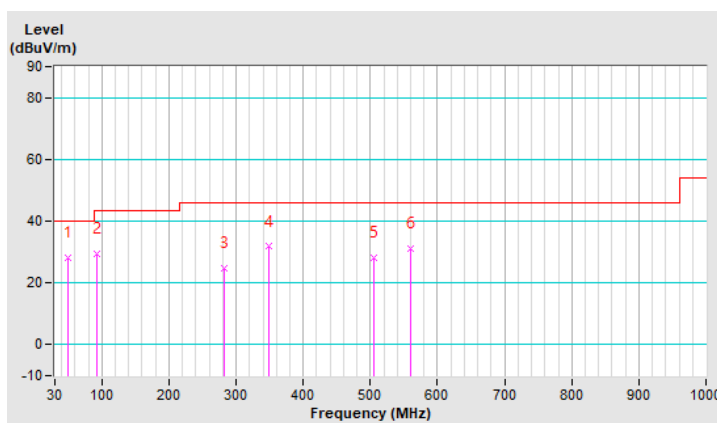
802.11n (HT20)

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	C

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.68	28.3 QP	40.0	-11.7	2.00 H	233	37.1	-8.8
2	91.86	29.6 QP	43.5	-13.9	2.00 H	295	43.8	-14.2
3	283.04	24.7 QP	46.0	-21.3	1.01 H	48	32.6	-7.9
4	349.12	31.7 QP	46.0	-14.3	1.01 H	162	38.0	-6.3
5	505.16	28.2 QP	46.0	-17.8	1.01 H	172	29.5	-1.3
6	559.99	31.1 QP	46.0	-14.9	1.51 H	143	31.4	-0.3

Remarks:

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

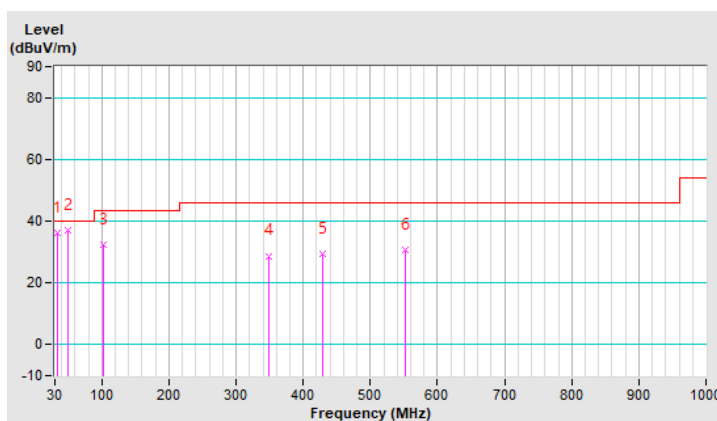


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	C

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	34.22	36.0 QP	40.0	-4.0	1.00 V	165	46.3	-10.3
2	49.68	37.0 QP	40.0	-3.0	1.00 V	106	45.8	-8.8
3	103.10	32.4 QP	43.5	-11.1	1.49 V	88	45.1	-12.7
4	349.12	28.8 QP	46.0	-17.2	1.49 V	308	35.1	-6.3
5	429.25	29.3 QP	46.0	-16.7	1.00 V	149	32.6	-3.3
6	552.96	30.7 QP	46.0	-15.3	1.00 V	167	31.1	-0.4

Remarks:

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



Test Mode D

5G traffic radio: CDD Mode

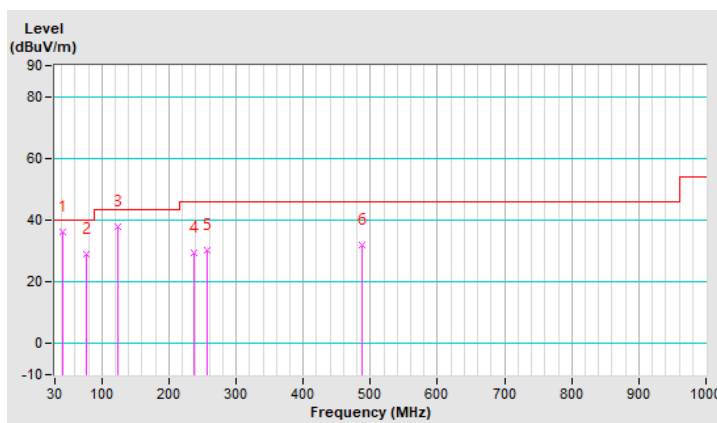
802.11ax (HE80)

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	D

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	36.2 QP	40.0	-3.8	2.00 H	267	45.3	-9.1
2	76.39	28.9 QP	40.0	-11.1	1.01 H	248	41.3	-12.4
3	124.19	38.0 QP	43.5	-5.5	1.50 H	223	48.6	-10.6
4	236.65	29.5 QP	46.0	-16.5	1.50 H	88	39.8	-10.3
5	257.74	30.1 QP	46.0	-15.9	1.01 H	78	39.3	-9.2
6	486.88	32.1 QP	46.0	-13.9	2.00 H	101	33.9	-1.8

Remarks:

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

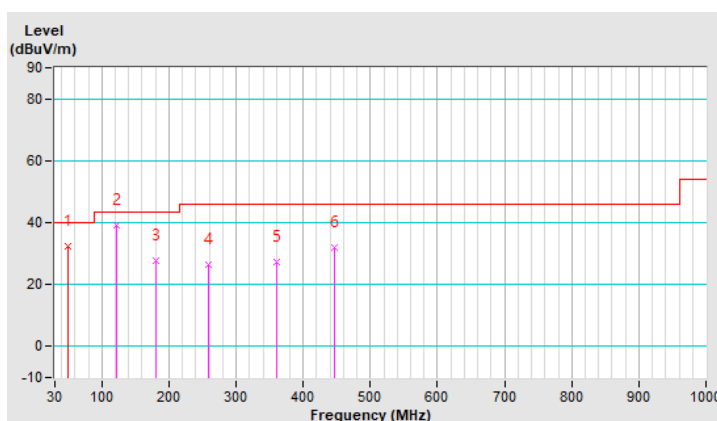


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	D

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	50.43	32.4 QP	40.0	-7.6	1.00 V	340	41.1	-8.7
2	122.78	39.1 QP	43.5	-4.4	1.00 V	172	49.8	-10.7
3	180.42	27.6 QP	43.5	-15.9	1.00 V	67	37.5	-9.9
4	259.14	26.5 QP	46.0	-19.5	1.99 V	336	35.6	-9.1
5	360.36	27.1 QP	46.0	-18.9	1.49 V	176	32.9	-5.8
6	446.12	32.1 QP	46.0	-13.9	1.00 V	95	34.7	-2.6

Remarks:

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



Test Mode D

Scanning radio: CDD Mode

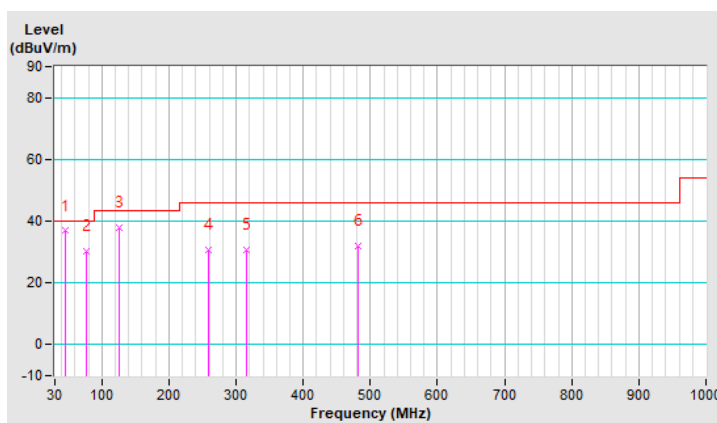
802.11n (HT20)

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	D

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	36.8 QP	40.0	-3.2	1.49 H	222	45.7	-8.9
2	76.39	30.4 QP	40.0	-9.6	1.49 H	240	42.8	-12.4
3	125.59	37.8 QP	43.5	-5.7	1.49 H	214	48.2	-10.4
4	259.14	30.6 QP	46.0	-15.4	1.00 H	85	39.7	-9.1
5	315.38	30.8 QP	46.0	-15.2	1.00 H	59	37.7	-6.9
6	482.67	31.9 QP	46.0	-14.1	1.99 H	296	33.8	-1.9

Remarks:

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

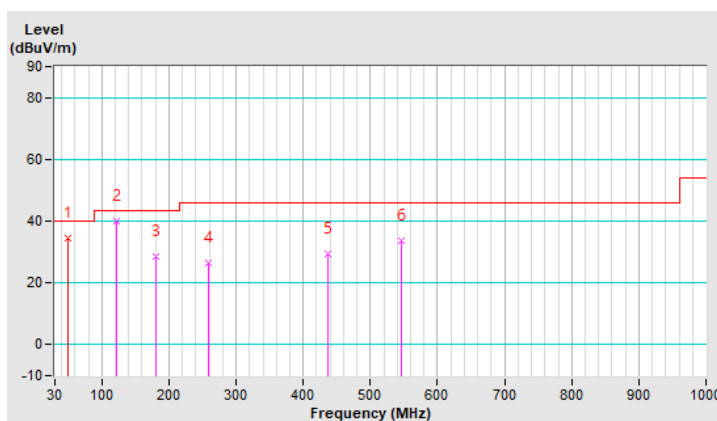


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	D

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.94	34.6 QP	40.0	-5.4	1.00 V	354	43.4	-8.8
2	122.78	39.9 QP	43.5	-3.6	1.00 V	161	50.6	-10.7
3	180.42	28.5 QP	43.5	-15.0	1.00 V	45	38.4	-9.9
4	259.14	26.4 QP	46.0	-19.6	1.49 V	328	35.5	-9.1
5	437.68	29.2 QP	46.0	-16.8	1.49 V	94	32.0	-2.8
6	545.93	33.6 QP	46.0	-12.4	1.00 V	72	34.1	-0.5

Remarks:

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



4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

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

Note: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2.2 Test Instruments

Tested date: May 14, 2020

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESCI	100613	Dec. 11, 2019	Dec. 10, 2020
RF signal cable Woken	5D-FB	Cable-cond1-01	Sep. 05, 2019	Sep. 04, 2020
LISN ROHDE & SCHWARZ (EUT)	ENV216	101826	Feb. 20, 2020	Feb. 19, 2021
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100311	Aug. 22, 2019	Aug. 21, 2020
Software ADT	BV ADT_Cond_ V7.3.7.4	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Shielded Room 1.

3. The VCCI Site Registration No. is C-12040.

4.2.3 Test Procedures

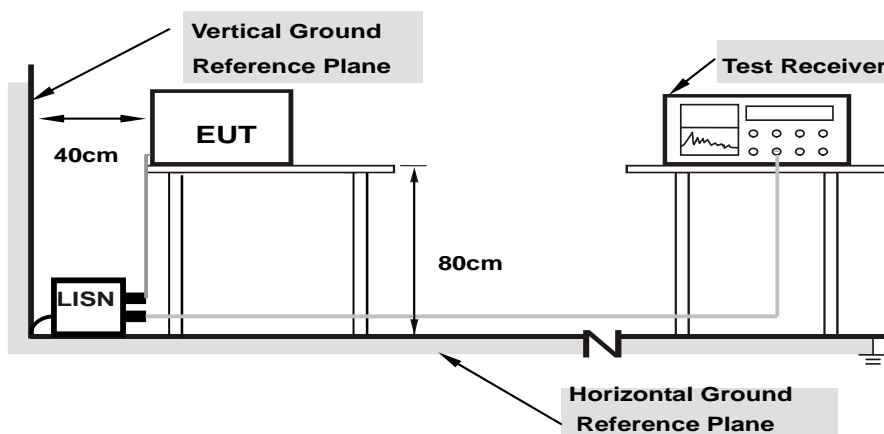
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance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

5G traffic radio: CDD Mode

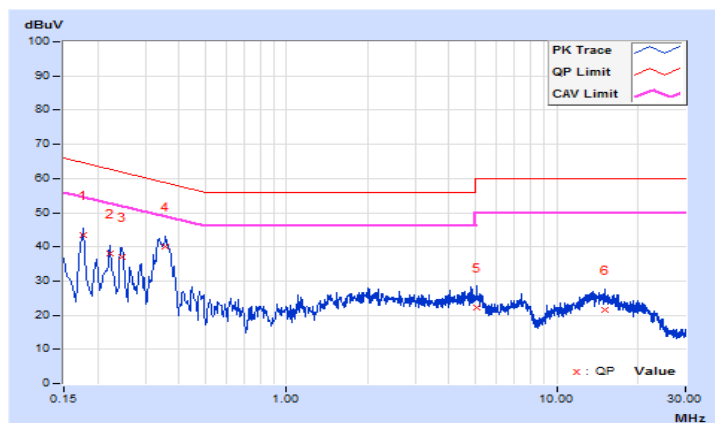
802.11ax (HE80)

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17800	9.81	33.79	16.80	43.60	26.61	64.58	54.58	-20.98	-27.97
2	0.22200	9.82	28.27	15.46	38.09	25.28	62.74	52.74	-24.65	-27.46
3	0.24485	9.82	27.11	15.58	36.93	25.40	61.93	51.93	-25.00	-26.53
4	0.35782	9.85	30.11	23.27	39.96	33.12	58.78	48.78	-18.82	-15.66
5	5.05400	10.07	12.17	5.17	22.24	15.24	60.00	50.00	-37.76	-34.76
6	15.01400	10.20	11.21	5.30	21.41	15.50	60.00	50.00	-38.59	-34.50

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.

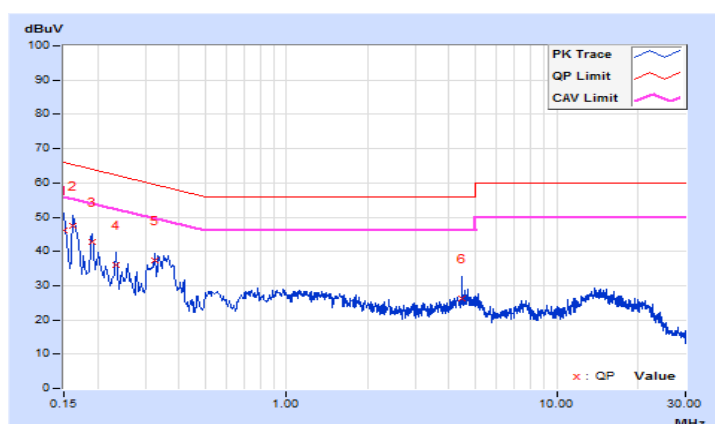


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.82	36.38	17.82	46.20	27.64	66.00	56.00	-19.80	-28.36
2	0.16200	9.82	37.67	24.51	47.49	34.33	65.36	55.36	-17.87	-21.03
3	0.19000	9.81	32.85	20.52	42.66	30.33	64.04	54.04	-21.38	-23.71
4	0.23400	9.82	26.29	13.87	36.11	23.69	62.31	52.31	-26.20	-28.62
5	0.32600	9.86	27.40	19.52	37.26	29.38	59.55	49.55	-22.29	-20.17
6	4.46200	10.10	16.22	7.03	26.32	17.13	56.00	46.00	-29.68	-28.87

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 A

Scanning radio: CDD Mode

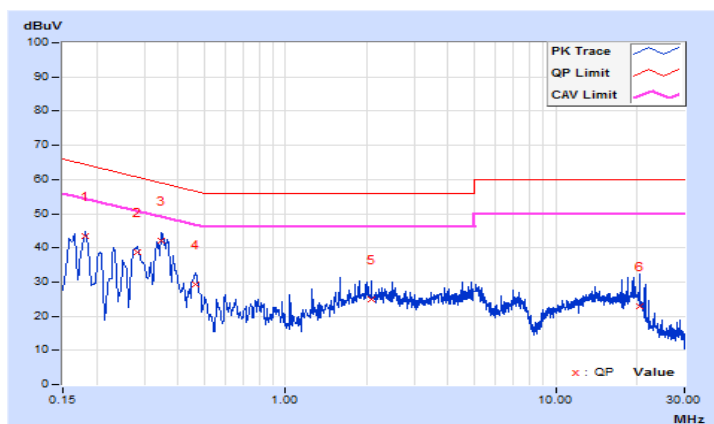
802.11a

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

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18200	9.62	33.85	18.91	43.47	28.53	64.39	54.39	-20.92	-25.86
2	0.28200	9.63	29.04	22.56	38.67	32.19	60.76	50.76	-22.09	-18.57
3	0.34600	9.64	32.58	23.08	42.22	32.72	59.06	49.06	-16.84	-16.34
4	0.46567	9.65	19.60	11.32	29.25	20.97	56.59	46.59	-27.34	-25.62
5	2.08200	9.73	15.25	9.89	24.98	19.62	56.00	46.00	-31.02	-26.38
6	20.45000	9.91	13.05	4.64	22.96	14.55	60.00	50.00	-37.04	-35.45

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.

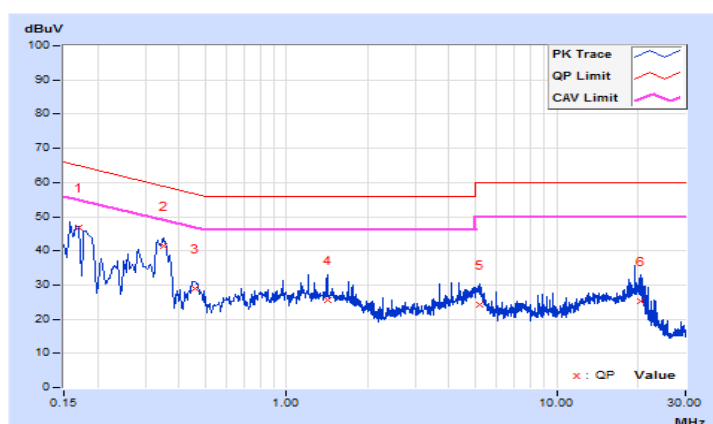


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17000	9.65	37.10	21.15	46.75	30.80	64.96	54.96	-18.21	-24.16
2	0.34943	9.66	31.60	21.85	41.26	31.51	58.98	48.98	-17.72	-17.47
3	0.45596	9.67	19.28	12.17	28.95	21.84	56.77	46.77	-27.82	-24.93
4	1.41400	9.72	15.81	9.86	25.53	19.58	56.00	46.00	-30.47	-26.42
5	5.19000	9.84	14.50	7.85	24.34	17.69	60.00	50.00	-35.66	-32.31
6	20.58600	10.03	15.06	7.16	25.09	17.19	60.00	50.00	-34.91	-32.81

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

5G traffic radio: CDD Mode

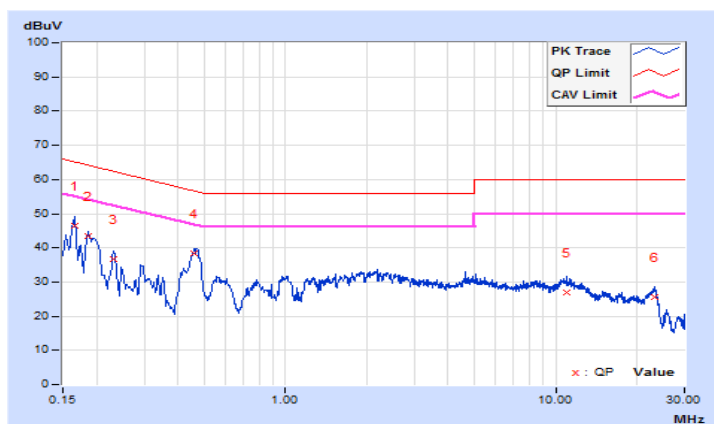
802.11ax (HE80)

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16600	9.63	36.76	22.64	46.39	32.27	65.16	55.16	-18.77	-22.89
2	0.18600	9.62	33.94	20.05	43.56	29.67	64.21	54.21	-20.65	-24.54
3	0.23000	9.62	27.11	16.93	36.73	26.55	62.45	52.45	-25.72	-25.90
4	0.45800	9.65	28.71	24.16	38.36	33.81	56.73	46.73	-18.37	-12.92
5	10.98600	9.88	17.16	12.44	27.04	22.32	60.00	50.00	-32.96	-27.68
6	23.26200	9.91	15.72	11.30	25.63	21.21	60.00	50.00	-34.37	-28.79

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.

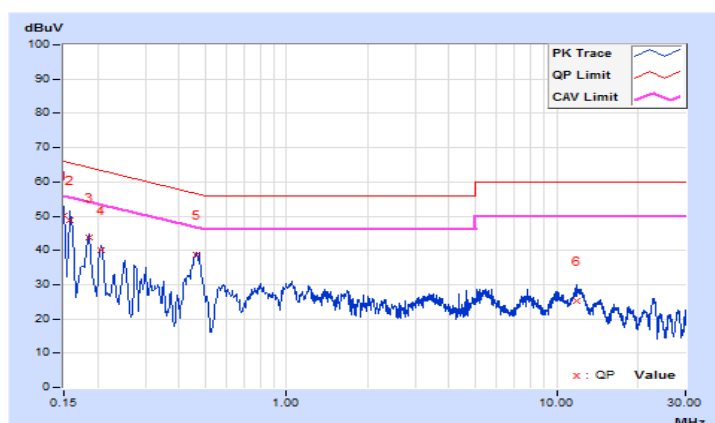


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.66	40.64	26.49	50.30	36.15	66.00	56.00	-15.70	-19.85
2	0.15800	9.66	39.03	24.71	48.69	34.37	65.57	55.57	-16.88	-21.20
3	0.18600	9.65	34.04	19.95	43.69	29.60	64.21	54.21	-20.52	-24.61
4	0.20600	9.64	30.46	17.27	40.10	26.91	63.37	53.37	-23.27	-26.46
5	0.46200	9.67	29.09	24.21	38.76	33.88	56.66	46.66	-17.90	-12.78
6	11.91000	9.94	15.32	10.34	25.26	20.28	60.00	50.00	-34.74	-29.72

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

Scanning radio: CDD Mode

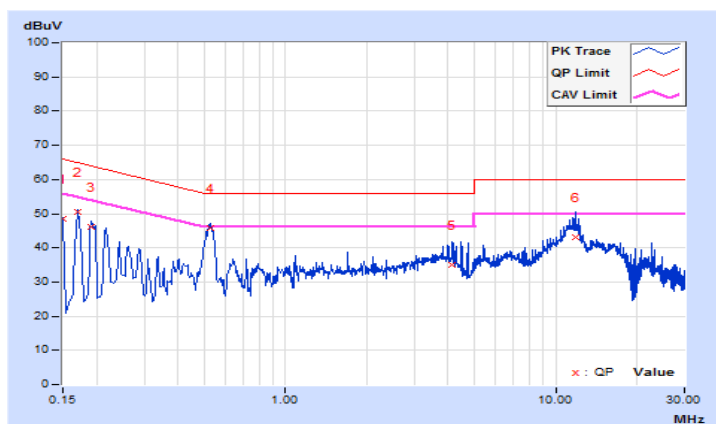
802.11a

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.63	38.70	28.04	48.33	37.67	66.00	56.00	-17.67	-18.33
2	0.17000	9.63	40.72	25.36	50.35	34.99	64.96	54.96	-14.61	-19.97
3	0.19000	9.62	36.66	22.10	46.28	31.72	64.04	54.04	-17.76	-22.32
4	0.52844	9.66	36.12	30.48	45.78	40.14	56.00	46.00	-10.22	-5.86
5	4.14600	9.79	25.31	19.38	35.10	29.17	56.00	46.00	-20.90	-16.83
6	11.86600	9.88	33.05	28.18	42.93	38.06	60.00	50.00	-17.07	-11.94

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.

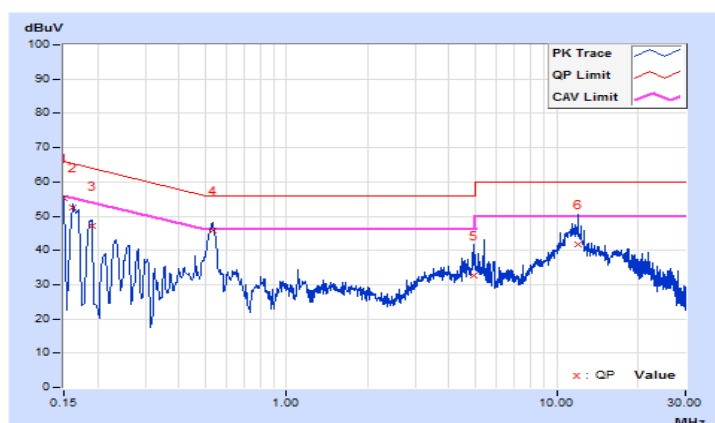


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.15000	9.66	45.69	29.10	55.35	38.76	66.00
2	0.16200	9.66	42.88	27.76	52.54	37.42	65.36	55.36	-12.82	-17.94
3	0.19000	9.64	37.34	21.72	46.98	31.36	64.04	54.04	-17.06	-22.68
4	0.53124	9.68	36.04	30.25	45.72	39.93	56.00	46.00	-10.28	-6.07
5	4.94600	9.83	22.85	15.56	32.68	25.39	56.00	46.00	-23.32	-20.61
6	12.04200	9.94	31.92	26.89	41.86	36.83	60.00	50.00	-18.14	-13.17

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

5G traffic radio: CDD Mode

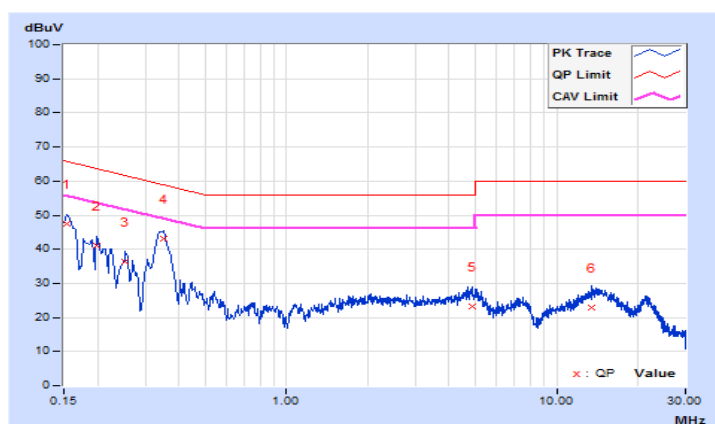
802.11ax (HE80)

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	9.80	37.83	20.63	47.63	30.43	65.78	55.78	-18.15	-25.35
2	0.19800	9.81	31.12	16.81	40.93	26.62	63.69	53.69	-22.76	-27.07
3	0.25400	9.82	26.70	17.65	36.52	27.47	61.63	51.63	-25.11	-24.16
4	0.34943	9.85	33.34	23.88	43.19	33.73	58.98	48.98	-15.79	-15.25
5	4.84600	10.06	13.34	6.06	23.40	16.12	56.00	46.00	-32.60	-29.88
6	13.47400	10.18	12.69	7.01	22.87	17.19	60.00	50.00	-37.13	-32.81

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.

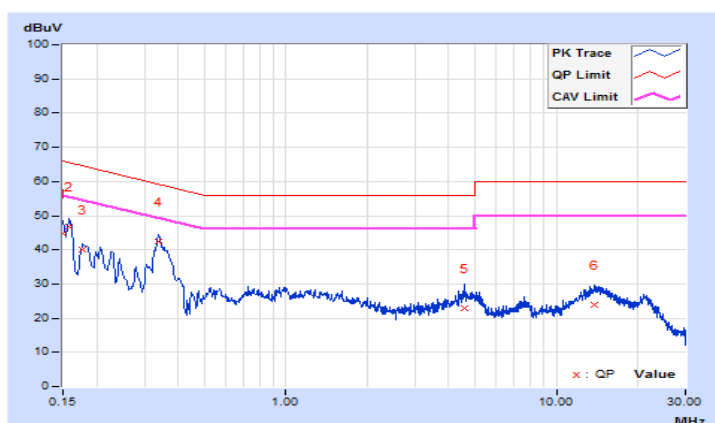


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.68	35.19	16.84	44.87	26.52	66.00	56.00	-21.13	-29.48
2	0.15800	9.68	37.22	23.08	46.90	32.76	65.57	55.57	-18.67	-22.81
3	0.17800	9.68	30.55	17.42	40.23	27.10	64.58	54.58	-24.35	-27.48
4	0.33800	9.68	32.82	26.08	42.50	35.76	59.25	49.25	-16.75	-13.49
5	4.59800	9.78	13.18	6.22	22.96	16.00	56.00	46.00	-33.04	-30.00
6	13.87400	9.91	14.14	8.43	24.05	18.34	60.00	50.00	-35.95	-31.66

Remarks:

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



Test Mode C

Scanning radio: CDD Mode

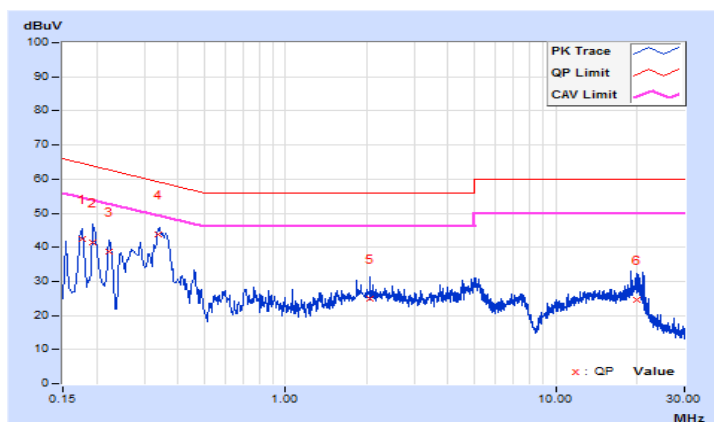
802.11n (HT20)

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17708	9.62	32.88	15.92	42.50	25.54	64.62	54.62	-22.12	-29.08
2	0.19400	9.62	31.90	18.72	41.52	28.34	63.86	53.86	-22.34	-25.52
3	0.22200	9.62	29.14	16.50	38.76	26.12	62.74	52.74	-23.98	-26.62
4	0.33945	9.64	34.00	26.80	43.64	36.44	59.22	49.22	-15.58	-12.78
5	2.05000	9.73	15.08	10.13	24.81	19.86	56.00	46.00	-31.19	-26.14
6	20.10200	9.91	14.54	7.08	24.45	16.99	60.00	50.00	-35.55	-33.01

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.

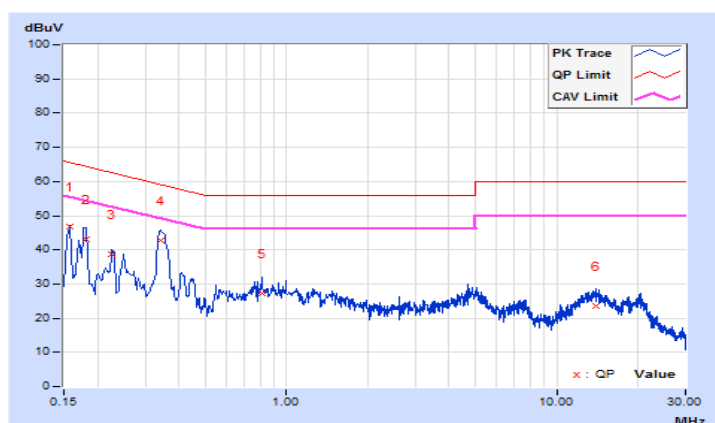


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
-------	-------------	-------------------	--------------------------------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15800	9.66	37.20	24.30	46.86	33.96	65.57	55.57	-18.71	-21.61
2	0.18037	9.65	33.38	19.22	43.03	28.87	64.47	54.47	-21.44	-25.60
3	0.22600	9.64	28.95	17.08	38.59	26.72	62.60	52.60	-24.01	-25.88
4	0.34124	9.66	33.11	25.02	42.77	34.68	59.17	49.17	-16.40	-14.49
5	0.81000	9.69	17.48	12.23	27.17	21.92	56.00	46.00	-28.83	-24.08
6	13.94200	9.97	13.59	7.86	23.56	17.83	60.00	50.00	-36.44	-32.17

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

5G traffic radio: CDD Mode

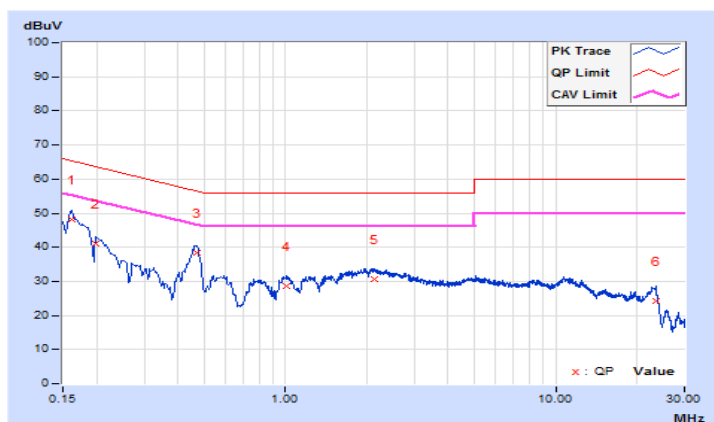
802.11ax (HE80)

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16148	9.63	38.64	23.74	48.27	33.37	65.39	55.39	-17.12	-22.02
2	0.19800	9.62	31.35	16.86	40.97	26.48	63.69	53.69	-22.72	-27.21
3	0.47000	9.65	28.76	23.01	38.41	32.66	56.51	46.51	-18.10	-13.85
4	1.00600	9.68	19.02	15.60	28.70	25.28	56.00	46.00	-27.30	-20.72
5	2.14200	9.73	21.06	16.55	30.79	26.28	56.00	46.00	-25.21	-19.72
6	23.52200	9.91	14.27	10.37	24.18	20.28	60.00	50.00	-35.82	-29.72

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.

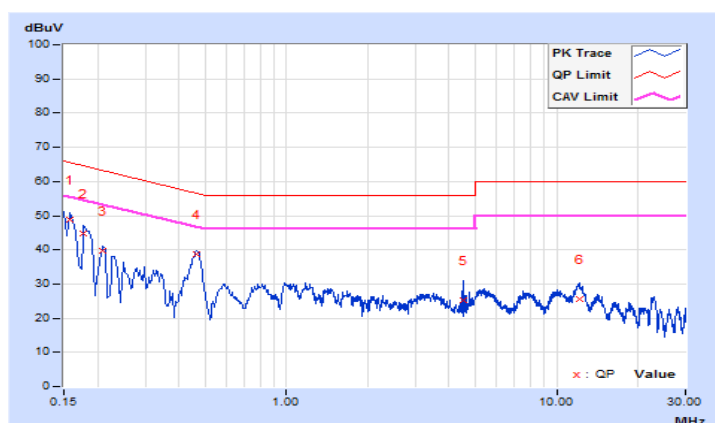


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.15800	9.66	39.10	24.75	48.76	34.41	65.57
2	0.17800	9.65	35.20	20.78	44.85	30.43	64.58	54.58	-19.73	-24.15
3	0.21000	9.64	29.93	17.17	39.57	26.81	63.21	53.21	-23.64	-26.40
4	0.46200	9.67	29.08	24.16	38.75	33.83	56.66	46.66	-17.91	-12.83
5	4.54200	9.83	15.54	6.24	25.37	16.07	56.00	46.00	-30.63	-29.93
6	12.18200	9.94	15.57	10.69	25.51	20.63	60.00	50.00	-34.49	-29.37

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

Scanning radio: CDD Mode

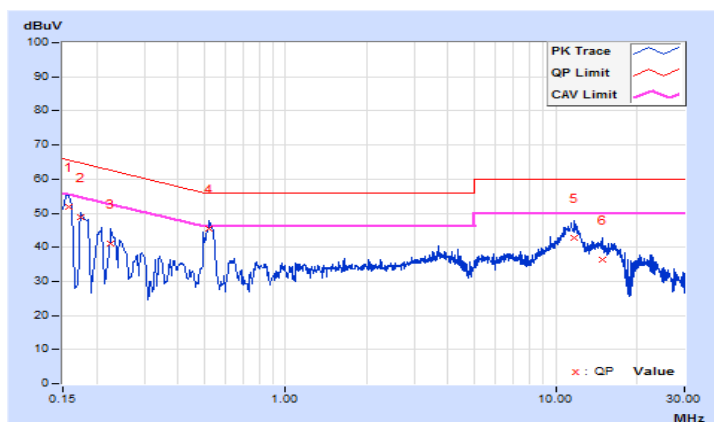
802.11n (HT20)

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15687	9.63	42.33	25.69	51.96	35.32	65.63	55.63	-13.67	-20.31
2	0.17400	9.63	39.09	23.48	48.72	33.11	64.77	54.77	-16.05	-21.66
3	0.22600	9.62	31.30	19.93	40.92	29.55	62.60	52.60	-21.68	-23.05
4	0.52200	9.66	35.71	30.23	45.37	39.89	56.00	46.00	-10.63	-6.11
5	11.75000	9.88	32.96	27.89	42.84	37.77	60.00	50.00	-17.16	-12.23
6	14.88200	9.90	26.57	21.52	36.47	31.42	60.00	50.00	-23.53	-18.58

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.

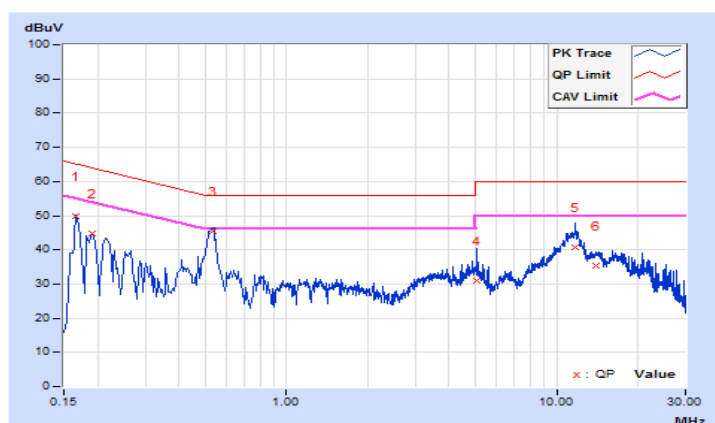


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.16600	9.65	40.35	24.99	50.00	34.64	65.16
2	0.19000	9.64	35.28	19.68	44.92	29.32	64.04	54.04	-19.12	-24.72
3	0.53264	9.68	35.79	30.11	45.47	39.79	56.00	46.00	-10.53	-6.21
4	5.09000	9.84	21.04	14.64	30.88	24.48	60.00	50.00	-29.12	-25.52
5	11.71400	9.93	30.94	25.75	40.87	35.68	60.00	50.00	-19.13	-14.32
6	14.07800	9.97	25.25	20.10	35.22	30.07	60.00	50.00	-24.78	-19.93

Remarks:

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



4.3 Transmit Power Measurement

4.3.1 Limits of Transmit Power Measurement

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

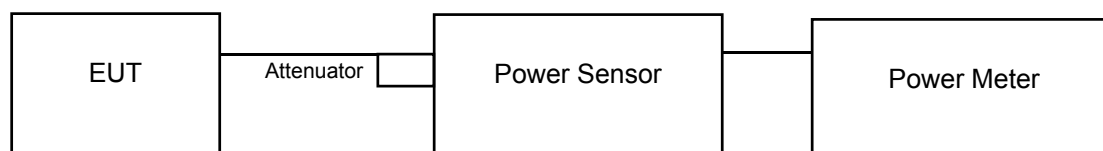
Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

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

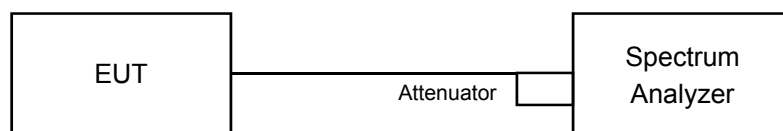
4.3.2 Test Setup

For Power Output

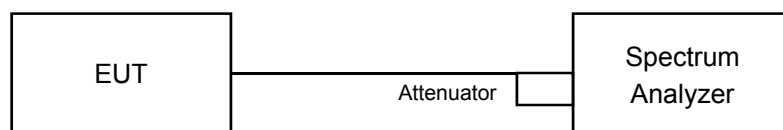
802.11a, 802.11n (HT20), 802.11n (HT40), 802.11ax (HE20), 802.11ax (HE40)



802.11ac (VHT80), 802.11ax (HE80), 802.11ac (VHT80+VHT80), 802.11ac (HE80+HE80)



For 26dB Bandwidth



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

For 802.11a, 802.11n (HT20), 802.11n (HT40), 802.11ax (HE20), 802.11ax (HE40)

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

For 802.11ac (VHT80), 802.11ax (HE80), 802.11ac (VHT80+VHT80), 802.11ac (HE80+HE80)

- a. Set span to encompass the entire 26 dB EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- b. Set sweep trigger to "free run".
- c. Set RBW = 1 MHz
- d. Set VBW \geq 3 MHz
- e. Number of points in sweep \geq 2 Span / RBW
- f. Sweep time \leq (number of points in sweep) * T
- g. Using emission bandwidth to determine the frequency span for integration the channel bandwidth.
- h. Detector = RMS
- i. Trace mode = max hold
- j. Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.
- k. Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

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

Power Output:

Test Mode A

5G traffic radio: 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				
52	5260	11.32	11.38	11.57	11.33	55.230	17.42	23.67	Pass
60	5300	11.40	11.28	11.61	11.12	54.662	17.38	23.67	Pass
64	5320	11.45	11.65	11.92	11.37	57.855	17.62	23.66	Pass
100	5500	11.54	11.40	11.77	11.38	56.831	17.55	23.50	Pass
116	5580	11.34	11.08	11.48	11.20	53.680	17.30	23.50	Pass
140	5700	11.33	11.43	11.46	11.04	54.185	17.34	23.49	Pass
144	5720 For U-NII-2C	4.67	5.32	5.47	4.93	13.900	11.43	22.37	Pass
144	5720 For U-NII-3	-2.62	0.70	-1.63	0.19	3.701	5.68	30.00	Pass

* For U-NII-2A: Max. gain = 6.21dBi > 6dBi, so the power limit shall be reduced.

Ch 52, Ch 60: The power limit shall be reduced to $23.88 - (6.21 - 6) = 23.67$ dBm.

Ch 64: The power limit shall be reduced to $23.87 - (6.21 - 6) = 23.66$ dBm.

For U-NII-2C: Max. gain = 6.37dBi > 6dBi, so the power limit shall be reduced.

Ch 100, Ch 116: The power limit shall be reduced to $23.87 - (6.37 - 6) = 23.50$ dBm.

Ch 140: The power limit shall be reduced to $23.86 - (6.37 - 6) = 23.49$ dBm.

Ch 144: The power limit shall be reduced to $22.74 - (6.37 - 6) = 22.37$ dBm.

Note:

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

Chain 0

- $11\text{dBm} + 10\log(19.45) = 23.88 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.50) = 23.90 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.40) = 23.87 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.37) = 23.87 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.50) = 23.90 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.79) = 23.96 < 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5710.05) = 22.74 < 24\text{dBm}$

Chain 1

- $11\text{dBm} + 10\log(19.50) = 23.90 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.41) = 23.88 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.42) = 23.88 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.47) = 23.89 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.37) = 23.87 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.36) = 23.86 < 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.91) = 22.78 < 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(19.46) = 23.89 < 24\text{dBm}$
2. $11\text{dBm} + 10\log(19.46) = 23.89 < 24\text{dBm}$
3. $11\text{dBm} + 10\log(19.54) = 23.90 < 24\text{dBm}$
4. $11\text{dBm} + 10\log(19.47) = 23.89 < 24\text{dBm}$
5. $11\text{dBm} + 10\log(19.39) = 23.87 < 24\text{dBm}$
6. $11\text{dBm} + 10\log(19.40) = 23.87 < 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5710.01) = 22.75 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(19.44) = 23.88 < 24\text{dBm}$
2. $11\text{dBm} + 10\log(19.53) = 23.90 < 24\text{dBm}$
3. $11\text{dBm} + 10\log(19.47) = 23.89 < 24\text{dBm}$
4. $11\text{dBm} + 10\log(19.66) = 23.93 < 24\text{dBm}$
5. $11\text{dBm} + 10\log(19.52) = 23.90 < 24\text{dBm}$
6. $11\text{dBm} + 10\log(19.62) = 23.92 < 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.94) = 22.77 < 24\text{dBm}$

802.11n (HT20)

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				
52	5260	11.82	11.45	11.71	11.36	57.671	17.61	23.79	Pass
60	5300	11.47	11.30	11.72	11.08	55.200	17.42	23.79	Pass
64	5320	11.38	11.25	11.78	11.15	55.173	17.42	23.79	Pass
100	5500	11.20	11.03	11.38	11.25	52.935	17.24	23.63	Pass
116	5580	11.45	11.10	11.63	11.20	54.584	17.37	23.63	Pass
140	5700	11.28	11.55	11.63	11.28	55.700	17.46	23.63	Pass
144	5720 For U-NII-2C	7.63	7.15	6.18	7.20	21.564	13.34	22.57	Pass
144	5720 For U-NII-3	1.15	0.56	1.05	1.73	5.506	7.41	30.00	Pass

* For U-NII-2A: Max. gain = 6.21dBi > 6dBi, so the power limit shall be reduced to $24 - (6.21 - 6) = 23.79\text{dBm}$.
 For U-NII-2C: Max. gain = 6.37dBi > 6dBi, so the power limit shall be reduced.
 Ch 100, Ch 116, Ch 140: The power limit shall be reduced to $24 - (6.37 - 6) = 23.63\text{dBm}$.
 Ch 144: The power limit shall be reduced to $22.94 - (6.37 - 6) = 22.57\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(21.47) = 24.31 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.41) = 24.30 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.27) = 24.27 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.40) = 24.30 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.37) = 24.29 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.35) = 24.29 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.20) = 22.98 < 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(21.31) = 24.28 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.41) = 24.30 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.41) = 24.30 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.37) = 24.29 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.32) = 24.28 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.45) = 24.31 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5708.92) = 23.06 < 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(21.41) = 24.30 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.27) = 24.27 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.53) = 24.33 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.64) = 24.35 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.26) = 24.27 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.29) = 24.28 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.34) = 22.94 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(21.47) = 24.31 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.46) = 24.31 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.48) = 24.32 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.38) = 24.30 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.33) = 24.28 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.12) = 24.24 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.23) = 22.97 < 24\text{dBm}$

802.11n (HT40)

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				
54	5270	15.80	15.37	15.60	15.28	142.491	21.54	23.79	Pass
62	5310	15.70	15.60	16.02	15.23	146.799	21.67	23.79	Pass
102	5510	15.56	15.02	15.60	15.05	136.041	21.34	23.63	Pass
110	5550	15.58	15.40	15.61	15.36	141.563	21.51	23.63	Pass
134	5670	15.52	15.21	15.65	15.23	138.905	21.43	23.63	Pass
142	5710 For U-NII-2C	8.69	10.73	9.41	10.12	41.094	16.14	23.63	Pass
142	5710 For U-NII-3	-1.37	0.78	-4.11	0.99	3.837	5.84	30.00	Pass

* For U-NII-2A: Max. gain = 6.21dBi > 6dBi, so the power limit shall be reduced to $24 - (6.21 - 6) = 23.79\text{dBm}$.
 For U-NII-2C: Max. gain = 6.37dBi > 6dBi, so the power limit shall be reduced to $24 - (6.37 - 6) = 23.63\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(42.26) = 27.25 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.04) = 27.23 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.15) = 27.24 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.98) = 26.56 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.24) = 27.25 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.13) = 27.24 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.61) = 27.29 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.16) = 27.24 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.88) = 26.57 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(41.96) = 27.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.45) = 27.27 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(41.73) = 27.20 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.33) = 27.26 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.07) = 27.23 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.99) = 26.56 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(42.15) = 27.24 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.56) = 27.29 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.61) = 27.29 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(41.95) = 27.22 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.22) = 27.25 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.73) = 26.59 > 24\text{dBm}$

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				
52	5260	11.85	11.47	11.73	11.38	57.973	17.63	23.79	Pass
60	5300	11.49	11.32	11.73	11.10	55.421	17.44	23.79	Pass
64	5320	11.40	11.27	11.80	11.17	55.429	17.44	23.79	Pass
100	5500	11.21	11.05	11.40	11.27	53.149	17.25	23.63	Pass
116	5580	11.47	11.12	11.65	11.21	54.805	17.39	23.63	Pass
140	5700	11.30	11.56	11.64	11.30	55.890	17.47	23.63	Pass
144	5720 For U-NII-2C	7.65	7.16	6.20	7.22	21.651	13.35	22.57	Pass
144	5720 For U-NII-3	1.17	0.59	1.08	1.75	5.537	7.43	30.00	Pass

* For U-NII-2A: Max. gain = 6.21dBi > 6dBi, so the power limit shall be reduced to 24-(6.21-6) = 23.79dBm.
 For U-NII-2C: Max. gain = 6.37dBi > 6dBi, so the power limit shall be reduced.
 Ch 100, Ch 116, Ch 140: The power limit shall be reduced to 24-(6.37-6) = 23.63dBm.
 Ch 144: The power limit shall be reduced to 22.94-(6.37-6) = 22.57dBm.

Note:

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

Chain 0

1. 11dBm + 10log (21.47) = 24.31 > 24dBm
2. 11dBm + 10log (21.41) = 24.30 > 24dBm
3. 11dBm + 10log (21.27) = 24.27 > 24dBm
4. 11dBm + 10log (21.40) = 24.30 > 24dBm
5. 11dBm + 10log (21.37) = 24.29 > 24dBm
6. 11dBm + 10log (21.35) = 24.29 > 24dBm
7. 11dBm + 10log (5725.00 - 5709.20) = 22.98 < 24dBm

Chain 1

1. 11dBm + 10log (21.31) = 24.28 > 24dBm
2. 11dBm + 10log (21.41) = 24.30 > 24dBm
3. 11dBm + 10log (21.41) = 24.30 > 24dBm
4. 11dBm + 10log (21.37) = 24.29 > 24dBm
5. 11dBm + 10log (21.32) = 24.28 > 24dBm
6. 11dBm + 10log (21.45) = 24.31 > 24dBm
7. 11dBm + 10log (5725.00 - 5708.92) = 23.06 < 24dBm

Chain 2

1. 11dBm + 10log (21.41) = 24.30 > 24dBm
2. 11dBm + 10log (21.27) = 24.27 > 24dBm
3. 11dBm + 10log (21.53) = 24.33 > 24dBm
4. 11dBm + 10log (21.64) = 24.35 > 24dBm
5. 11dBm + 10log (21.26) = 24.27 > 24dBm
6. 11dBm + 10log (21.29) = 24.28 > 24dBm
7. 11dBm + 10log (5725.00 - 5709.34) = 22.94 < 24dBm

Chain 3

1. $11\text{dBm} + 10\log(21.47) = 24.31 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.46) = 24.31 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.48) = 24.32 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.38) = 24.30 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.33) = 24.28 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.12) = 24.24 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.23) = 22.97 < 24\text{dBm}$

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				
54	5270	15.82	15.39	15.61	15.30	143.064	21.56	23.79	Pass
62	5310	15.72	15.61	16.03	15.25	147.301	21.68	23.79	Pass
102	5510	15.58	15.04	15.62	15.07	136.668	21.36	23.63	Pass
110	5550	15.61	15.42	15.63	15.37	142.220	21.53	23.63	Pass
134	5670	15.55	15.22	15.67	15.26	139.630	21.45	23.63	Pass
142	5710 For U-NII-2C	8.71	10.75	9.43	10.14	41.284	16.16	23.63	Pass
142	5710 For U-NII-3	-1.35	0.80	-4.09	1.01	3.855	5.86	30.00	Pass

* For U-NII-2A: Max. gain = 6.21dBi > 6dBi, so the power limit shall be reduced to $24 - (6.21 - 6) = 23.79\text{dBm}$.
 For U-NII-2C: Max. gain = 6.37dBi > 6dBi, so the power limit shall be reduced to $24 - (6.37 - 6) = 23.63\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(42.26) = 27.25 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.04) = 27.23 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.15) = 27.24 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.98) = 26.56 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.24) = 27.25 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.13) = 27.24 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.61) = 27.29 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.16) = 27.24 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.88) = 26.57 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(41.96) = 27.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.45) = 27.27 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(41.73) = 27.20 > 24\text{dBm}$

4. $11\text{dBm} + 10\log(42.33) = 27.26 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.07) = 27.23 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.99) = 26.56 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(42.15) = 27.24 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.56) = 27.29 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.61) = 27.29 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(41.95) = 27.22 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.22) = 27.25 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.73) = 26.59 > 24\text{dBm}$

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				
58	5290	17.61	17.47	17.75	17.16	225.090	23.52	23.79	Pass
106	5530	17.65	17.40	17.61	17.20	223.322	23.49	23.63	Pass
122	5610	17.57	17.46	17.60	17.25	223.499	23.49	23.63	Pass
138	5690 For U-NII-2C	13.00	13.23	10.45	12.93	77.736	18.91	23.63	Pass
138	5690 For U-NII-3	-2.42	-1.23	-3.00	-0.34	2.983	4.75	30.00	Pass

* For U-NII-2A: Max. gain = 6.21dBi > 6dBi, so the power limit shall be reduced to $24 - (6.21 - 6) = 23.79\text{dBm}$.
 For U-NII-2C: Max. gain = 6.37dBi > 6dBi, so the power limit shall be reduced to $24 - (6.37 - 6) = 23.63\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(83.34) = 30.20 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(82.85) = 30.18 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(82.74) = 30.17 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.57) = 29.83 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(82.56) = 30.16 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(82.77) = 30.17 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(82.43) = 30.16 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.45) = 29.83 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(82.94) = 30.18 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.21) = 30.20 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(82.43) = 30.16 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.75) = 29.82 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(83.04) = 30.19 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(82.62) = 30.17 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(82.71) = 30.17 > 24\text{dBm}$

4. $11\text{dBm} + 10\log(5725.00 - 5648.54) = 29.83 > 24\text{dBm}$

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	19.02	17.31	-	-	133.626	21.26	29.79	Pass
58	5290	-	-	17.97	17.58	119.941	20.79	23.79	Pass
106	5530	16.02	17.37	-	-	94.570	19.76	23.63	Pass
122	5610	-	-	17.80	17.02	110.606	20.44	23.63	Pass

* For U-NII-1: Max. gain = 6.21dBi > 6dBi, so the power limit shall be reduced to $30 - (6.21 - 6) = 29.79\text{dBm}$.
 For U-NII-2A: Max. gain = 6.21dBi > 6dBi, so the power limit shall be reduced to $24 - (6.21 - 6) = 23.79\text{dBm}$.
 For U-NII-2C: Max. gain = 6.37dBi > 6dBi, so the power limit shall be reduced to $24 - (6.37 - 6) = 23.63\text{dBm}$.

Note:

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

Chain 0

- $11\text{dBm} + 10\log(82.30) = 30.15 > 24\text{dBm}$
- $11\text{dBm} + 10\log(83.05) = 30.19 > 24\text{dBm}$

Chain 1

- $11\text{dBm} + 10\log(82.85) = 30.18 > 24\text{dBm}$
- $11\text{dBm} + 10\log(83.17) = 30.19 > 24\text{dBm}$

Chain 2

- $11\text{dBm} + 10\log(124.91) = 31.96 > 24\text{dBm}$
- $11\text{dBm} + 10\log(151.31) = 32.79 > 24\text{dBm}$

Chain 3

- $11\text{dBm} + 10\log(125.10) = 31.97 > 24\text{dBm}$
- $11\text{dBm} + 10\log(151.75) = 32.81 > 24\text{dBm}$

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				
52	5260	11.88	11.48	11.75	11.40	58.243	17.65	23.79	Pass
60	5300	11.51	11.35	11.74	11.12	55.674	17.46	23.79	Pass
64	5320	11.42	11.29	11.82	11.18	55.654	17.45	23.79	Pass
100	5500	11.23	11.06	11.41	11.29	53.333	17.27	23.63	Pass
116	5580	11.49	11.14	11.68	11.23	55.092	17.41	23.63	Pass
140	5700	11.32	11.58	11.66	11.32	56.147	17.49	23.63	Pass
144	5720 For U-NII-2C	7.67	7.18	6.22	7.24	21.751	13.37	22.57	Pass
144	5720 For U-NII-3	1.19	0.61	1.10	1.77	5.562	7.45	30.00	Pass

* For U-NII-2A: Max. gain = 6.21dBi > 6dBi, so the power limit shall be reduced to 24-(6.21-6) = 23.79dBm.
 For U-NII-2C: Max. gain = 6.37dBi > 6dBi, so the power limit shall be reduced.
 Ch 100, Ch 116, Ch 140: The power limit shall be reduced to 24-(6.37-6) = 23.63dBm.
 Ch 144: The power limit shall be reduced to 22.94-(6.37-6) = 22.57dBm.

Note:

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

Chain 0

1. 11dBm + 10log (21.47) = 24.31 > 24dBm
2. 11dBm + 10log (21.41) = 24.30 > 24dBm
3. 11dBm + 10log (21.27) = 24.27 > 24dBm
4. 11dBm + 10log (21.40) = 24.30 > 24dBm
5. 11dBm + 10log (21.37) = 24.29 > 24dBm
6. 11dBm + 10log (21.35) = 24.29 > 24dBm
7. 11dBm + 10log (5725.00 - 5709.20) = 22.98 < 24dBm

Chain 1

1. 11dBm + 10log (21.31) = 24.28 > 24dBm
2. 11dBm + 10log (21.41) = 24.30 > 24dBm
3. 11dBm + 10log (21.41) = 24.30 > 24dBm
4. 11dBm + 10log (21.37) = 24.29 > 24dBm
5. 11dBm + 10log (21.32) = 24.28 > 24dBm
6. 11dBm + 10log (21.45) = 24.31 > 24dBm
7. 11dBm + 10log (5725.00 - 5708.92) = 23.06 < 24dBm

Chain 2

1. 11dBm + 10log (21.41) = 24.30 > 24dBm
2. 11dBm + 10log (21.27) = 24.27 > 24dBm
3. 11dBm + 10log (21.53) = 24.33 > 24dBm
4. 11dBm + 10log (21.64) = 24.35 > 24dBm
5. 11dBm + 10log (21.26) = 24.27 > 24dBm
6. 11dBm + 10log (21.29) = 24.28 > 24dBm
7. 11dBm + 10log (5725.00 - 5709.34) = 22.94 < 24dBm

Chain 3

1. $11\text{dBm} + 10\log(21.47) = 24.31 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.46) = 24.31 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.48) = 24.32 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.38) = 24.30 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.33) = 24.28 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.12) = 24.24 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.23) = 22.97 < 24\text{dBm}$

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				
54	5270	15.84	15.41	15.64	15.33	143.888	21.58	23.79	Pass
62	5310	15.74	15.62	16.05	15.27	147.895	21.70	23.79	Pass
102	5510	15.60	15.06	15.64	15.09	137.300	21.38	23.63	Pass
110	5550	15.63	15.44	15.65	15.39	142.876	21.55	23.63	Pass
134	5670	15.57	15.24	15.69	15.28	140.275	21.47	23.63	Pass
142	5710 For U-NII-2C	8.73	10.80	9.47	10.17	41.633	16.19	23.63	Pass
142	5710 For U-NII-3	-1.33	0.82	-4.05	1.04	3.878	5.89	30.00	Pass

* For U-NII-2A: Max. gain = 6.21dBi > 6dBi, so the power limit shall be reduced to $24 - (6.21 - 6) = 23.79\text{dBm}$.
 For U-NII-2C: Max. gain = 6.37dBi > 6dBi, so the power limit shall be reduced to $24 - (6.37 - 6) = 23.63\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(42.26) = 27.25 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.04) = 27.23 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.15) = 27.24 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.98) = 26.56 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.24) = 27.25 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.13) = 27.24 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.61) = 27.29 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.16) = 27.24 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.88) = 26.57 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(41.96) = 27.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.45) = 27.27 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(41.73) = 27.20 > 24\text{dBm}$

4. $11\text{dBm} + 10\log(42.33) = 27.26 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.07) = 27.23 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.99) = 26.56 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(42.15) = 27.24 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.56) = 27.29 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.61) = 27.29 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(41.95) = 27.22 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.22) = 27.25 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.73) = 26.59 > 24\text{dBm}$

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				
58	5290	17.63	17.49	17.76	17.18	225.992	23.54	23.79	Pass
106	5530	17.67	17.42	17.63	17.21	224.232	23.51	23.63	Pass
122	5610	17.59	17.49	17.61	17.30	224.897	23.52	23.63	Pass
138	5690 For U-NII-2C	13.00	13.23	10.45	12.93	77.736	18.91	23.63	Pass
138	5690 For U-NII-3	-2.42	-1.23	-3.00	-0.34	2.983	4.75	30.00	Pass

* For U-NII-2A: Max. gain = 6.21dBi > 6dBi, so the power limit shall be reduced to $24 - (6.21 - 6) = 23.79\text{dBm}$.
 For U-NII-2C: Max. gain = 6.37dBi > 6dBi, so the power limit shall be reduced to $24 - (6.37 - 6) = 23.63\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(83.34) = 30.20 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(82.85) = 30.18 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(82.74) = 30.17 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.57) = 29.83 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(82.56) = 30.16 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(82.77) = 30.17 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(82.43) = 30.16 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.45) = 29.83 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(82.94) = 30.18 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.21) = 30.20 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(82.43) = 30.16 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.75) = 29.82 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(83.04) = 30.19 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(82.62) = 30.17 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(82.71) = 30.17 > 24\text{dBm}$

4. $11\text{dBm} + 10\log(5725.00 - 5648.54) = 29.83 > 24\text{dBm}$

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	19.04	17.35	-	-	134.493	21.29	29.79	Pass
58	5290	-	-	18.01	17.61	120.918	20.82	23.79	Pass
106	5530	16.04	17.41	-	-	95.260	19.79	23.63	Pass
122	5610	-	-	17.82	17.04	111.116	20.46	23.63	Pass

* For U-NII-1: Max. gain = 6.21dBi > 6dBi, so the power limit shall be reduced to $30 - (6.21 - 6) = 29.79\text{dBm}$.
 For U-NII-2A: Max. gain = 6.21dBi > 6dBi, so the power limit shall be reduced to $24 - (6.21 - 6) = 23.79\text{dBm}$.
 For U-NII-2C: Max. gain = 6.37dBi > 6dBi, so the power limit shall be reduced to $24 - (6.37 - 6) = 23.63\text{dBm}$.

Note:

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

Chain 0

- $11\text{dBm} + 10\log(82.30) = 30.15 > 24\text{dBm}$
- $11\text{dBm} + 10\log(83.05) = 30.19 > 24\text{dBm}$

Chain 1

- $11\text{dBm} + 10\log(82.85) = 30.18 > 24\text{dBm}$
- $11\text{dBm} + 10\log(83.17) = 30.19 > 24\text{dBm}$

Chain 2

- $11\text{dBm} + 10\log(124.91) = 31.96 > 24\text{dBm}$
- $11\text{dBm} + 10\log(151.31) = 32.79 > 24\text{dBm}$

Chain 3

- $11\text{dBm} + 10\log(125.10) = 31.97 > 24\text{dBm}$
- $11\text{dBm} + 10\log(151.75) = 32.81 > 24\text{dBm}$

Test Mode A

5G traffic radio: Beamforming Mode

802.11n (HT20)

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				
52	5260	11.80	11.53	11.65	11.03	56.658	17.53	18.49	Pass
60	5300	11.33	11.52	11.53	11.20	55.180	17.42	18.49	Pass
64	5320	11.37	11.43	11.58	11.17	55.089	17.41	18.49	Pass
100	5500	11.22	10.98	11.37	11.27	52.880	17.23	18.01	Pass
116	5580	11.60	11.00	11.48	11.20	54.286	17.35	18.01	Pass
140	5700	11.65	11.52	11.38	11.02	55.200	17.42	18.01	Pass
144	5720 For U-NII-2C	7.31	6.27	5.54	7.55	19.987	13.01	16.98	Pass
144	5720 For U-NII-3	1.23	0.09	0.81	2.55	5.663	7.53	24.65	Pass

*For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $24 - (11.51 - 6) = 18.49 \text{dBm}$.

For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced.

Ch 100, 116, 140: The limit shall be reduced to $24 - (11.99 - 6) = 18.01 \text{dBm}$.

Ch 144: The limit shall be reduced to $22.97 - (11.99 - 6) = 16.98 \text{dBm}$.

For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $30 - (11.35 - 6) = 24.65 \text{dBm}$.

Note:

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

Chain 0

1. $11 \text{dBm} + 10 \log(21.89) = 24.40 > 24 \text{dBm}$
2. $11 \text{dBm} + 10 \log(21.68) = 24.36 > 24 \text{dBm}$
3. $11 \text{dBm} + 10 \log(21.82) = 24.38 > 24 \text{dBm}$
4. $11 \text{dBm} + 10 \log(21.38) = 24.30 > 24 \text{dBm}$
5. $11 \text{dBm} + 10 \log(21.47) = 24.31 > 24 \text{dBm}$
6. $11 \text{dBm} + 10 \log(21.47) = 24.31 > 24 \text{dBm}$
7. $11 \text{dBm} + 10 \log(5725.00 - 5709.15) = 23.00 < 24 \text{dBm}$

Chain 1

1. $11 \text{dBm} + 10 \log(21.57) = 24.33 > 24 \text{dBm}$
2. $11 \text{dBm} + 10 \log(21.65) = 24.35 > 24 \text{dBm}$
3. $11 \text{dBm} + 10 \log(21.47) = 24.31 > 24 \text{dBm}$
4. $11 \text{dBm} + 10 \log(21.69) = 24.36 > 24 \text{dBm}$
5. $11 \text{dBm} + 10 \log(21.61) = 24.34 > 24 \text{dBm}$
6. $11 \text{dBm} + 10 \log(21.55) = 24.33 > 24 \text{dBm}$
7. $11 \text{dBm} + 10 \log(5725.00 - 5708.94) = 23.05 < 24 \text{dBm}$

Chain 2

1. $11 \text{dBm} + 10 \log(21.74) = 24.37 > 24 \text{dBm}$
2. $11 \text{dBm} + 10 \log(21.36) = 24.29 > 24 \text{dBm}$

3. $11\text{dBm} + 10\log(21.52) = 24.32 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.34) = 24.29 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.53) = 24.33 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.43) = 24.31 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.24) = 22.97 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(21.55) = 24.33 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.53) = 24.33 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.71) = 24.36 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.47) = 24.31 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.70) = 24.36 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.70) = 24.36 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.13) = 23.00 < 24\text{dBm}$

802.11n (HT40)

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				
54	5270	11.93	11.52	11.88	11.27	58.601	17.68	18.49	Pass
62	5310	11.71	11.76	11.89	11.35	58.921	17.70	18.49	Pass
102	5510	11.58	11.08	11.70	11.24	55.307	17.43	18.01	Pass
110	5550	11.70	11.34	11.66	11.46	57.056	17.56	18.01	Pass
134	5670	11.68	11.14	11.69	11.34	56.096	17.49	18.01	Pass
142	5710 For U-NII-2C	8.06	6.66	6.20	8.71	24.322	13.86	18.01	Pass
142	5710 For U-NII-3	-3.70	-1.51	-4.04	-2.60	2.232	3.49	24.65	Pass

*For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.51 - 6) = 18.49\text{dBm}$.

For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.99 - 6) = 18.01\text{dBm}$.

For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.35 - 6) = 24.65\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(42.52) = 27.28 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.48) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.52) = 27.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.45) = 27.27 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.00) = 27.23 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.91) = 26.57 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.29) = 27.26 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.64) = 27.29 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.21) = 27.25 > 24\text{dBm}$

4. $11\text{dBm} + 10\log(42.51) = 27.28 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.33) = 27.26 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.82) = 26.58 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(42.44) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.92) = 27.32 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.34) = 27.26 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.36) = 27.26 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.19) = 27.25 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.85) = 26.58 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(42.46) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.24) = 27.25 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.50) = 27.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.54) = 27.28 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.35) = 27.26 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.69) = 26.60 > 24\text{dBm}$

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				
52	5260	11.82	11.55	11.67	11.05	56.918	17.55	18.49	Pass
60	5300	11.35	11.54	11.55	11.21	55.404	17.44	18.49	Pass
64	5320	11.39	11.45	11.60	11.18	55.312	17.43	18.49	Pass
100	5500	11.24	10.99	11.39	11.28	53.065	17.25	18.01	Pass
116	5580	11.61	11.01	11.50	11.20	54.414	17.36	18.01	Pass
140	5700	11.67	11.54	11.40	11.04	55.455	17.44	18.01	Pass
144	5720 For U-NII-2C	7.29	6.25	5.52	7.53	19.894	12.99	16.98	Pass
144	5720 For U-NII-3	1.20	0.07	0.78	2.52	5.626	7.50	24.65	Pass

*For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $24 - (11.51 - 6) = 18.49 \text{dBm}$.

For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced.

Ch 100, 116, 140: The limit shall be reduced to $24 - (11.99 - 6) = 18.01 \text{dBm}$.

Ch 144: The limit shall be reduced to $22.97 - (11.99 - 6) = 16.98 \text{dBm}$.

For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $30 - (11.35 - 6) = 24.65 \text{dBm}$.

Note:

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

Chain 0

1. $11 \text{dBm} + 10 \log(21.89) = 24.40 > 24 \text{dBm}$
2. $11 \text{dBm} + 10 \log(21.68) = 24.36 > 24 \text{dBm}$
3. $11 \text{dBm} + 10 \log(21.82) = 24.38 > 24 \text{dBm}$
4. $11 \text{dBm} + 10 \log(21.38) = 24.30 > 24 \text{dBm}$
5. $11 \text{dBm} + 10 \log(21.47) = 24.31 > 24 \text{dBm}$
6. $11 \text{dBm} + 10 \log(21.47) = 24.31 > 24 \text{dBm}$
7. $11 \text{dBm} + 10 \log(5725.00 - 5709.15) = 23.00 < 24 \text{dBm}$

Chain 1

1. $11 \text{dBm} + 10 \log(21.57) = 24.33 > 24 \text{dBm}$
2. $11 \text{dBm} + 10 \log(21.65) = 24.35 > 24 \text{dBm}$
3. $11 \text{dBm} + 10 \log(21.47) = 24.31 > 24 \text{dBm}$
4. $11 \text{dBm} + 10 \log(21.69) = 24.36 > 24 \text{dBm}$
5. $11 \text{dBm} + 10 \log(21.61) = 24.34 > 24 \text{dBm}$
6. $11 \text{dBm} + 10 \log(21.55) = 24.33 > 24 \text{dBm}$
7. $11 \text{dBm} + 10 \log(5725.00 - 5708.94) = 23.05 < 24 \text{dBm}$

Chain 2

1. $11 \text{dBm} + 10 \log(21.74) = 24.37 > 24 \text{dBm}$
2. $11 \text{dBm} + 10 \log(21.36) = 24.29 > 24 \text{dBm}$
3. $11 \text{dBm} + 10 \log(21.52) = 24.32 > 24 \text{dBm}$
4. $11 \text{dBm} + 10 \log(21.34) = 24.29 > 24 \text{dBm}$

5. $11\text{dBm} + 10\log(21.53) = 24.33 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.43) = 24.31 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.24) = 22.97 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(21.55) = 24.33 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.53) = 24.33 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.71) = 24.36 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.47) = 24.31 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.70) = 24.36 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.70) = 24.36 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.13) = 23.00 < 24\text{dBm}$

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				
54	5270	11.95	11.54	11.90	11.29	58.871	17.70	18.49	Pass
62	5310	11.73	11.78	11.90	11.37	59.157	17.72	18.49	Pass
102	5510	11.60	11.09	11.71	11.25	55.467	17.44	18.01	Pass
110	5550	11.71	11.36	11.68	11.48	57.285	17.58	18.01	Pass
134	5670	11.70	11.16	11.71	11.35	56.324	17.51	18.01	Pass
142	5710 For U-NII-2C	8.04	6.63	6.15	8.69	24.169	13.83	18.01	Pass
142	5710 For U-NII-3	-3.90	-1.55	-4.06	-2.68	2.192	3.41	24.65	Pass

*For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.51 - 6) = 18.49\text{dBm}$.

For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.99 - 6) = 18.01\text{dBm}$.

For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.35 - 6) = 24.65\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(42.52) = 27.28 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.48) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.52) = 27.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.45) = 27.27 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.00) = 27.23 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.91) = 26.57 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.29) = 27.26 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.64) = 27.29 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.21) = 27.25 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.51) = 27.28 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.33) = 27.26 > 24\text{dBm}$

6. $11\text{dBm} + 10\log(5725.00 - 5688.82) = 26.58 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(42.44) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.92) = 27.32 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.34) = 27.26 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.36) = 27.26 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.19) = 27.25 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.85) = 26.58 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(42.46) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.24) = 27.25 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.50) = 27.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.54) = 27.28 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.35) = 27.26 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.69) = 26.60 > 24\text{dBm}$

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				
58	5290	11.80	11.63	11.85	11.56	59.324	17.73	18.49	Pass
106	5530	11.70	11.48	11.68	11.38	57.314	17.58	18.01	Pass
122	5610	11.45	11.37	11.84	11.21	56.162	17.49	18.01	Pass
138	5690 For U-NII-2C	6.71	5.31	7.07	7.52	20.406	13.10	18.01	Pass
138	5690 For U-NII-3	-9.09	-7.49	-6.58	-7.08	0.777	-1.09	24.65	Pass

*For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.51 - 6) = 18.49\text{dBm}$.
 For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.99 - 6) = 18.01\text{dBm}$.
 For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.35 - 6) = 24.65\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(83.33) = 30.20 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.41) = 30.21 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.06) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.30) = 29.84 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.31) = 30.20 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.13) = 30.19 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.23) = 30.20 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.36) = 29.84 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(83.39) = 30.21 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.10) = 30.19 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.60) = 30.22 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.05) = 29.86 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(83.52) = 30.21 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.30) = 30.20 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.56) = 30.21 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.40) = 29.84 > 24\text{dBm}$

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	12.57	13.74	-	-	41.731	16.20	24.49	Pass
58	5290	-	-	13.89	13.31	45.920	16.62	18.49	Pass
106	5530	10.25	11.23	-	-	23.867	13.78	18.01	Pass
122	5610	-	-	11.71	11.20	28.008	14.47	18.01	Pass

*For U-NII-1: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.51 - 6) = 24.49\text{dBm}$.

For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.51 - 6) = 18.49\text{dBm}$.

For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.99 - 6) = 18.01\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(82.93) = 30.18 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(87.45) = 30.41 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.82) = 30.23 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.42) = 30.21 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(127.03) = 32.03 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(159.04) = 33.01 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(123.49) = 31.91 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(159.93) = 33.03 > 24\text{dBm}$

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				
52	5260	11.85	11.56	11.68	11.07	57.150	17.57	18.49	Pass
60	5300	11.37	11.55	11.56	11.22	55.563	17.45	18.49	Pass
64	5320	11.40	11.47	11.62	11.19	55.505	17.44	18.49	Pass
100	5500	11.25	11.00	11.41	11.30	53.250	17.26	18.01	Pass
116	5580	11.63	11.10	11.52	11.21	54.841	17.39	18.01	Pass
140	5700	11.69	11.56	11.42	11.05	55.682	17.46	18.01	Pass
144	5720 For U-NII-2C	7.31	6.27	5.54	7.55	19.987	13.01	16.98	Pass
144	5720 For U-NII-3	1.23	0.09	0.81	2.55	5.663	7.53	24.65	Pass

*For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $24 - (11.51 - 6) = 18.49 \text{dBm}$.

For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced.

Ch 100, 116, 140: The limit shall be reduced to $24 - (11.99 - 6) = 18.01 \text{dBm}$.

Ch 144: The limit shall be reduced to $22.97 - (11.99 - 6) = 16.98 \text{dBm}$.

For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $30 - (11.35 - 6) = 24.65 \text{dBm}$.

Note:

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

Chain 0

1. $11 \text{dBm} + 10 \log(21.89) = 24.40 > 24 \text{dBm}$
2. $11 \text{dBm} + 10 \log(21.68) = 24.36 > 24 \text{dBm}$
3. $11 \text{dBm} + 10 \log(21.82) = 24.38 > 24 \text{dBm}$
4. $11 \text{dBm} + 10 \log(21.38) = 24.30 > 24 \text{dBm}$
5. $11 \text{dBm} + 10 \log(21.47) = 24.31 > 24 \text{dBm}$
6. $11 \text{dBm} + 10 \log(21.47) = 24.31 > 24 \text{dBm}$
7. $11 \text{dBm} + 10 \log(5725.00 - 5709.15) = 23.00 < 24 \text{dBm}$

Chain 1

1. $11 \text{dBm} + 10 \log(21.57) = 24.33 > 24 \text{dBm}$
2. $11 \text{dBm} + 10 \log(21.65) = 24.35 > 24 \text{dBm}$
3. $11 \text{dBm} + 10 \log(21.47) = 24.31 > 24 \text{dBm}$
4. $11 \text{dBm} + 10 \log(21.69) = 24.36 > 24 \text{dBm}$
5. $11 \text{dBm} + 10 \log(21.61) = 24.34 > 24 \text{dBm}$
6. $11 \text{dBm} + 10 \log(21.55) = 24.33 > 24 \text{dBm}$
7. $11 \text{dBm} + 10 \log(5725.00 - 5708.94) = 23.05 < 24 \text{dBm}$

Chain 2

1. $11 \text{dBm} + 10 \log(21.74) = 24.37 > 24 \text{dBm}$
2. $11 \text{dBm} + 10 \log(21.36) = 24.29 > 24 \text{dBm}$
3. $11 \text{dBm} + 10 \log(21.52) = 24.32 > 24 \text{dBm}$
4. $11 \text{dBm} + 10 \log(21.34) = 24.29 > 24 \text{dBm}$

5. $11\text{dBm} + 10\log(21.53) = 24.33 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.43) = 24.31 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.24) = 22.97 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(21.55) = 24.33 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.53) = 24.33 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.71) = 24.36 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.47) = 24.31 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.70) = 24.36 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.70) = 24.36 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.13) = 23.00 < 24\text{dBm}$

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				
54	5270	11.98	11.56	11.91	11.31	59.143	17.72	18.49	Pass
62	5310	11.79	11.80	11.92	11.39	59.569	17.75	18.49	Pass
102	5510	11.62	11.11	11.73	11.27	55.724	17.46	18.01	Pass
110	5550	11.73	11.38	11.70	11.50	57.550	17.60	18.01	Pass
134	5670	11.72	11.18	11.74	11.36	56.586	17.53	18.01	Pass
142	5710 For U-NII-2C	8.06	6.66	6.20	8.71	24.322	13.86	18.01	Pass
142	5710 For U-NII-3	-3.70	-1.51	-4.04	-2.60	2.232	3.49	24.65	Pass

*For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.51 - 6) = 18.49\text{dBm}$.

For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.99 - 6) = 18.01\text{dBm}$.

For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.35 - 6) = 24.65\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(42.52) = 27.28 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.48) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.52) = 27.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.45) = 27.27 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.00) = 27.23 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.91) = 26.57 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.29) = 27.26 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.64) = 27.29 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.21) = 27.25 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.51) = 27.28 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.33) = 27.26 > 24\text{dBm}$

6. $11\text{dBm} + 10\log(5725.00 - 5688.82) = 26.58 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(42.44) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.92) = 27.32 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.34) = 27.26 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.36) = 27.26 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.19) = 27.25 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.85) = 26.58 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(42.46) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.24) = 27.25 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.50) = 27.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.54) = 27.28 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.35) = 27.26 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.69) = 26.60 > 24\text{dBm}$

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				
58	5290	11.82	11.65	11.87	11.58	59.597	17.75	18.49	Pass
106	5530	11.71	11.50	11.70	11.40	57.545	17.60	18.01	Pass
122	5610	11.47	11.38	11.85	11.23	56.353	17.51	18.01	Pass
138	5690 For U-NII-2C	6.71	5.31	7.07	7.52	20.406	13.10	18.01	Pass
138	5690 For U-NII-3	-9.09	-7.49	-6.58	-7.08	0.777	-1.09	24.65	Pass

*For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.51 - 6) = 18.49\text{dBm}$.

For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.99 - 6) = 18.01\text{dBm}$.

For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.35 - 6) = 24.65\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(83.33) = 30.20 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.41) = 30.21 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.06) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.30) = 29.84 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.31) = 30.20 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.13) = 30.19 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.23) = 30.20 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.36) = 29.84 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(83.39) = 30.21 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.10) = 30.19 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.60) = 30.22 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.05) = 29.86 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(83.52) = 30.21 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.30) = 30.20 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.56) = 30.21 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.40) = 29.84 > 24\text{dBm}$

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	12.59	13.77	-	-	41.978	16.23	24.49	Pass
58	5290	-	-	13.91	13.33	46.132	16.64	18.49	Pass
106	5530	10.28	11.25	-	-	24.001	13.80	18.01	Pass
122	5610	-	-	11.74	11.23	28.202	14.50	18.01	Pass

*For U-NII-1: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.51 - 6) = 24.49\text{dBm}$.

For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.51 - 6) = 18.49\text{dBm}$.

For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.99 - 6) = 18.01\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(82.93) = 30.18 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(87.45) = 30.41 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.82) = 30.23 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.42) = 30.21 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(127.03) = 32.03 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(159.04) = 33.01 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(123.49) = 31.91 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(159.93) = 33.03 > 24\text{dBm}$

Test Mode A

Scanning radio: CDD Mode

802.11a

Chan.	Freq. (MHz)	Conducted Power (mW)	Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
52	5260	16.331	12.13	24.00	Pass
60	5300	16.444	12.16	24.00	Pass
64	5320	16.444	12.16	24.00	Pass
100	5500	16.827	12.26	24.00	Pass
116	5580	16.520	12.18	24.00	Pass
140	5700	16.331	12.13	24.00	Pass
144	5720 For U-NII-2C	6.226	7.94	23.41	Pass
144	5720 For U-NII-3	1.950	2.90	30.00	Pass

Note:

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

- $11\text{dBm} + 10\log(24.40) = 24.87 > 24\text{dBm}$
- $11\text{dBm} + 10\log(24.24) = 24.84 > 24\text{dBm}$
- $11\text{dBm} + 10\log(24.51) = 24.89 > 24\text{dBm}$
- $11\text{dBm} + 10\log(24.11) = 24.82 > 24\text{dBm}$
- $11\text{dBm} + 10\log(24.18) = 24.83 > 24\text{dBm}$
- $11\text{dBm} + 10\log(24.37) = 24.86 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5707.55) = 23.41 < 24\text{dBm}$

802.11n (HT20)

Chan.	Freq. (MHz)	Conducted Power (mW)	Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
52	5260	16.749	12.24	24.00	Pass
60	5300	16.406	12.15	24.00	Pass
64	5320	16.520	12.18	24.00	Pass
100	5500	16.444	12.16	24.00	Pass
116	5580	16.368	12.14	24.00	Pass
140	5700	16.482	12.17	24.00	Pass
144	5720 For U-NII-2C	8.136	9.10	23.53	Pass
144	5720 For U-NII-3	2.221	3.47	30.00	Pass

Note:

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

- $11\text{dBm} + 10\log(25.91) = 25.13 > 24\text{dBm}$
- $11\text{dBm} + 10\log(25.10) = 24.99 > 24\text{dBm}$
- $11\text{dBm} + 10\log(25.73) = 25.10 > 24\text{dBm}$
- $11\text{dBm} + 10\log(25.26) = 25.02 > 24\text{dBm}$
- $11\text{dBm} + 10\log(25.87) = 25.12 > 24\text{dBm}$
- $11\text{dBm} + 10\log(25.12) = 25.00 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5707.09) = 23.53 < 24\text{dBm}$

802.11n (HT40)

Chan.	Freq. (MHz)	Conducted Power (mW)	Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
54	5270	16.331	12.13	24.00	Pass
62	5310	15.922	12.02	24.00	Pass
102	5510	16.331	12.13	24.00	Pass
110	5550	16.558	12.19	24.00	Pass
134	5670	16.144	12.08	24.00	Pass
142	5710 For U-NII-2C	5.077	7.06	24.00	Pass
142	5710 For U-NII-3	0.552	-2.58	30.00	Pass

Note:

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

- $11\text{dBm} + 10\log(50.14) = 28.00 > 24\text{dBm}$
- $11\text{dBm} + 10\log(50.20) = 28.00 > 24\text{dBm}$
- $11\text{dBm} + 10\log(50.12) = 28.00 > 24\text{dBm}$
- $11\text{dBm} + 10\log(50.25) = 28.01 > 24\text{dBm}$
- $11\text{dBm} + 10\log(50.47) = 28.03 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5684.69) = 27.05 > 24\text{dBm}$

802.11ac (VHT80)

Chan.	Freq. (MHz)	Conducted Power (mW)	Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
58	5290	15.959	12.03	24.00	Pass
106	5530	16.181	12.09	24.00	Pass
122	5610	16.032	12.05	24.00	Pass
138	5690 For U-NII-2C	3.764	5.76	24.00	Pass
138	5690 For U-NII-3	0.176	-7.54	30.00	Pass

Note:

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

1. $11\text{dBm} + 10\log(101.79) = 31.07 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(101.23) = 31.05 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(100.59) = 31.02 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5638.70) = 30.36 > 24\text{dBm}$

Test Mode C

5G traffic radio: 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				
52	5260	10.31	10.11	10.26	10.43	42.655	16.30	23.91	Pass
60	5300	10.53	10.01	10.11	10.52	42.850	16.32	23.89	Pass
64	5320	10.50	10.03	10.38	10.51	43.449	16.38	23.87	Pass
100	5500	10.51	9.98	10.01	10.35	42.062	16.24	23.74	Pass
116	5580	10.52	10.32	10.01	10.42	43.075	16.34	23.70	Pass
140	5700	10.48	10.53	10.19	10.32	43.679	16.40	23.74	Pass
144	5720 For U-NII-2C	4.06	5.24	4.83	6.07	13.964	11.45	22.54	Pass
144	5720 For U-NII-3	0.20	-1.24	-1.69	1.26	4.103	6.13	29.80	Pass

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced.

Ch 52: The power limit shall be reduced to $23.92 - (6.01 - 6) = 23.91$ dBm.

Ch 60: The power limit shall be reduced to $23.90 - (6.01 - 6) = 23.89$ dBm.

Ch 64: The power limit shall be reduced to $23.88 - (6.01 - 6) = 23.87$ dBm.

For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced.

Ch 100, Ch 140: The power limit shall be reduced to $23.92 - (6.18 - 6) = 23.74$ dBm.

Ch 116: The power limit shall be reduced to $23.88 - (6.18 - 6) = 23.70$ dBm.

Ch 144: The power limit shall be reduced to $22.72 - (6.18 - 6) = 22.54$ dBm.

For U-NII-3: Max. gain = 6.20dBi > 6dBi, so the power limit shall be reduced.

Ch 144: The power limit shall be reduced to $30 - (6.20 - 6) = 29.80$ dBm

Note:

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

Chain 0

- $11\text{dBm} + 10\log(19.61) = 23.92 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.61) = 23.92 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.68) = 23.94 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.59) = 23.92 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.75) = 23.95 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.86) = 23.97 < 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5710.07) = 22.74 < 24\text{dBm}$

Chain 1

- $11\text{dBm} + 10\log(19.61) = 23.92 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.51) = 23.90 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.60) = 23.92 < 24\text{dBm}$
- $11\text{dBm} + 10\log(20.05) = 24.02 > 24\text{dBm}$
- $11\text{dBm} + 10\log(19.41) = 23.88 < 24\text{dBm}$
- $11\text{dBm} + 10\log(19.83) = 23.97 < 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5710.09) = 22.73 < 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(19.63) = 23.92 < 24\text{dBm}$
2. $11\text{dBm} + 10\log(19.69) = 23.94 < 24\text{dBm}$
3. $11\text{dBm} + 10\log(19.70) = 23.94 < 24\text{dBm}$
4. $11\text{dBm} + 10\log(19.79) = 23.96 < 24\text{dBm}$
5. $11\text{dBm} + 10\log(20.02) = 24.01 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(19.60) = 23.92 < 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5710.13) = 22.72 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(19.78) = 23.96 < 24\text{dBm}$
2. $11\text{dBm} + 10\log(19.62) = 23.92 < 24\text{dBm}$
3. $11\text{dBm} + 10\log(19.45) = 23.88 < 24\text{dBm}$
4. $11\text{dBm} + 10\log(19.66) = 23.93 < 24\text{dBm}$
5. $11\text{dBm} + 10\log(19.57) = 23.91 < 24\text{dBm}$
6. $11\text{dBm} + 10\log(19.86) = 23.97 < 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5710.05) = 22.74 < 24\text{dBm}$

802.11n (HT20)

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				
52	5260	11.00	10.68	10.81	10.94	48.751	16.88	23.99	Pass
60	5300	11.06	10.66	10.85	10.98	49.098	16.91	23.99	Pass
64	5320	11.05	10.74	10.83	11.01	49.317	16.93	23.99	Pass
100	5500	11.17	10.98	10.92	10.80	50.005	16.99	23.82	Pass
116	5580	11.11	10.96	10.87	11.02	50.251	17.01	23.82	Pass
140	5700	10.98	11.03	10.88	10.82	49.532	16.95	23.82	Pass
144	5720 For U-NII-2C	6.55	6.93	5.33	6.05	18.022	12.56	22.77	Pass
144	5720 For U-NII-3	-0.22	1.37	1.14	-1.29	4.657	6.68	29.80	Pass

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBm}$.

For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced.

Ch 100, Ch 116, Ch 140: The power limit shall be reduced to $24 - (6.18 - 6) = 23.82\text{dBm}$.

Ch 144: The power limit shall be reduced to $22.95 - (6.18 - 6) = 22.77\text{dBm}$.

For U-NII-3: Max. gain = 6.20dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $30 - (6.20 - 6) = 29.80\text{dBm}$

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(21.68) = 24.36 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.35) = 24.29 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.30) = 24.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.62) = 24.34 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.41) = 24.30 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.82) = 24.38 > 24\text{dBm}$

$$7. 11\text{dBm} + 10\log(5725.00 - 5709.31) = 22.95 < 24\text{dBm}$$

Chain 1

1. $11\text{dBm} + 10\log(21.37) = 24.29 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.57) = 24.33 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.49) = 24.32 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.47) = 24.31 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.66) = 24.35 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.75) = 24.37 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.30) = 22.95 < 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(21.49) = 24.32 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.57) = 24.33 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.83) = 24.39 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.51) = 24.32 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.70) = 24.36 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.77) = 24.37 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.20) = 22.98 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(21.59) = 24.34 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.55) = 24.33 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.42) = 24.30 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.35) = 24.29 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.39) = 24.30 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.30) = 24.28 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.26) = 22.97 < 24\text{dBm}$

802.11n (HT40)

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				
54	5270	15.82	15.08	15.39	15.67	141.897	21.52	23.99	Pass
62	5310	15.80	15.10	15.31	15.72	141.666	21.51	23.99	Pass
102	5510	15.80	15.54	15.48	15.03	140.989	21.49	23.82	Pass
110	5550	16.24	15.50	15.53	15.42	148.115	21.71	23.82	Pass
134	5670	15.53	16.01	15.67	15.01	144.223	21.59	23.82	Pass
142	5710 For U-NII-2C	8.15	9.50	8.23	9.52	37.566	15.75	23.82	Pass
142	5710 For U-NII-3	-2.07	-1.37	-1.03	-1.16	3.514	5.46	29.80	Pass

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBm}$.

For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.18 - 6) = 23.82\text{dBm}$.

For U-NII-3: Max. gain = 6.20dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $30 - (6.20 - 6) = 29.80\text{dBm}$

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(42.43) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.12) = 27.24 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.32) = 27.26 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.49) = 27.28 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.49) = 27.28 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.77) = 26.59 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.42) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.48) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.51) = 27.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.41) = 27.27 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.20) = 27.25 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.95) = 26.56 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(42.79) = 27.31 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.48) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.45) = 27.27 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.50) = 27.28 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.38) = 27.27 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.91) = 26.57 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(42.21) = 27.25 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.50) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.69) = 27.30 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.03) = 27.23 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.93) = 26.57 > 24\text{dBm}$

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				
52	5260	11.01	10.71	10.83	10.96	48.974	16.90	23.99	Pass
60	5300	11.08	10.68	10.90	11.00	49.410	16.94	23.99	Pass
64	5320	11.07	10.78	10.85	11.03	49.600	16.95	23.99	Pass
100	5500	11.19	11.00	10.94	10.83	50.264	17.01	23.82	Pass
116	5580	11.13	10.98	10.90	11.05	50.541	17.04	23.82	Pass
140	5700	11.00	11.06	10.91	10.84	49.818	16.97	23.82	Pass
144	5720 For U-NII-2C	6.53	6.91	5.31	6.03	17.939	12.54	22.77	Pass
144	5720 For U-NII-3	-0.25	1.35	1.12	-1.31	4.634	6.66	29.80	Pass

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBm}$.

For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced.

Ch 100, Ch 116, Ch 140: The power limit shall be reduced to $24 - (6.18 - 6) = 23.82\text{dBm}$.

Ch 144: The power limit shall be reduced to $22.95 - (6.18 - 6) = 22.77\text{dBm}$.

For U-NII-3: Max. gain = 6.20dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $30 - (6.20 - 6) = 29.80\text{dBm}$

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(21.68) = 24.36 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.35) = 24.29 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.30) = 24.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.62) = 24.34 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.41) = 24.30 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.82) = 24.38 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.31) = 22.95 < 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(21.37) = 24.29 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.57) = 24.33 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.49) = 24.32 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.47) = 24.31 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.66) = 24.35 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.75) = 24.37 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.30) = 22.95 < 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(21.49) = 24.32 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.57) = 24.33 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.83) = 24.39 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.51) = 24.32 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.70) = 24.36 > 24\text{dBm}$

6. $11\text{dBm} + 10\log(21.77) = 24.37 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.20) = 22.98 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(21.59) = 24.34 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.55) = 24.33 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.42) = 24.30 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.35) = 24.29 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.39) = 24.30 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.30) = 24.28 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.26) = 22.97 < 24\text{dBm}$

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				
54	5270	15.85	15.10	15.41	15.68	142.555	21.54	23.99	Pass
62	5310	15.82	15.11	15.34	15.73	142.237	21.53	23.99	Pass
102	5510	15.81	15.56	15.50	15.02	141.332	21.50	23.82	Pass
110	5550	16.27	15.52	15.55	15.48	149.219	21.74	23.82	Pass
134	5670	15.55	16.03	15.69	15.01	144.743	21.61	23.82	Pass
142	5710 For U-NII-2C	8.13	9.47	8.20	9.50	37.349	15.72	23.82	Pass
142	5710 For U-NII-3	-2.09	-1.39	-1.05	-1.18	3.498	5.44	29.80	Pass

- * For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBm}$.
- For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.18 - 6) = 23.82\text{dBm}$.
- For U-NII-3: Max. gain = 6.20dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $30 - (6.20 - 6) = 29.80\text{dBm}$

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(42.43) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.12) = 27.24 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.32) = 27.26 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.49) = 27.28 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.49) = 27.28 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.77) = 26.59 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.42) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.48) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.51) = 27.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.41) = 27.27 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.20) = 27.25 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.95) = 26.56 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(42.79) = 27.31 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.48) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.45) = 27.27 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.50) = 27.28 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.38) = 27.27 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.91) = 26.57 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(42.21) = 27.25 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.50) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.69) = 27.30 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.03) = 27.23 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.93) = 26.57 > 24\text{dBm}$

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				
58	5290	17.30	16.65	16.84	17.24	201.213	23.04	23.99	Pass
106	5530	17.60	17.03	17.21	17.16	212.612	23.28	23.82	Pass
122	5610	16.51	17.02	16.67	16.58	187.072	22.72	23.82	Pass
138	5690 For U-NII-2C	11.37	12.92	12.60	12.42	73.431	18.66	23.82	Pass
138	5690 For U-NII-3	-1.53	-1.61	0.19	0.40	3.764	5.76	29.80	Pass

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBm}$.
 For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.18 - 6) = 23.82\text{dBm}$.
 For U-NII-3: Max. gain = 6.20dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $30 - (6.20 - 6) = 29.80\text{dBm}$

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(83.67) = 30.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(82.89) = 30.18 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.00) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.53) = 29.83 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.21) = 30.20 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.46) = 30.21 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(82.99) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.47) = 29.83 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(83.13) = 30.19 > 24\text{dBm}$

2. $11\text{dBm} + 10\log(83.33) = 30.20 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.02) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.26) = 29.85 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(83.85) = 30.23 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(82.66) = 30.17 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.05) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.09) = 29.85 > 24\text{dBm}$

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	14.24	12.59	-	-	44.701	16.50	29.99	Pass
58	5290	-	-	13.01	13.30	41.379	16.17	23.99	Pass
106	5530	18.29	17.23	-	-	120.298	20.80	23.82	Pass
122	5610	-	-	16.67	17.00	96.571	19.85	23.82	Pass

* For U-NII-1: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced to $30-(6.01-6) = 29.99\text{dBm}$.

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24-(6.01-6) = 23.99\text{dBm}$.

For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24-(6.18-6) = 23.82\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(83.75) = 30.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(143.10) = 32.55 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(84.16) = 30.25 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(143.83) = 32.57 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(87.06) = 30.39 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(158.45) = 32.99 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(84.04) = 30.24 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(158.35) = 32.99 > 24\text{dBm}$

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				
52	5260	11.03	10.73	10.85	10.98	49.200	16.92	23.99	Pass
60	5300	11.11	10.71	10.92	11.01	49.665	16.96	23.99	Pass
64	5320	11.09	10.81	10.89	11.05	49.912	16.98	23.99	Pass
100	5500	11.21	11.02	10.98	10.86	50.581	17.04	23.82	Pass
116	5580	11.15	11.01	10.92	11.06	50.773	17.06	23.82	Pass
140	5700	11.01	11.08	10.92	10.86	49.990	16.99	23.82	Pass
144	5720 For U-NII-2C	6.55	6.93	5.33	6.05	18.022	12.56	22.77	Pass
144	5720 For U-NII-3	-0.22	1.37	1.14	-1.29	4.657	6.68	29.80	Pass

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBm}$.

For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced.

Ch 100, Ch 116, Ch 140: The power limit shall be reduced to $24 - (6.18 - 6) = 23.82\text{dBm}$.

Ch 144: The power limit shall be reduced to $22.95 - (6.18 - 6) = 22.77\text{dBm}$.

For U-NII-3: Max. gain = 6.20dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $30 - (6.20 - 6) = 29.80\text{dBm}$

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(21.68) = 24.36 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.35) = 24.29 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.30) = 24.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.62) = 24.34 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.41) = 24.30 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.82) = 24.38 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.31) = 22.95 < 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(21.37) = 24.29 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.57) = 24.33 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.49) = 24.32 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.47) = 24.31 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.66) = 24.35 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.75) = 24.37 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.30) = 22.95 < 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(21.49) = 24.32 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.57) = 24.33 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.83) = 24.39 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.51) = 24.32 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.70) = 24.36 > 24\text{dBm}$

6. $11\text{dBm} + 10\log(21.77) = 24.37 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.20) = 22.98 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(21.59) = 24.34 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.55) = 24.33 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.42) = 24.30 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.35) = 24.29 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.39) = 24.30 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.30) = 24.28 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.26) = 22.97 < 24\text{dBm}$

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				
54	5270	15.88	15.11	15.42	15.70	143.148	21.56	23.99	Pass
62	5310	15.84	15.13	15.36	15.75	142.895	21.55	23.99	Pass
102	5510	15.82	15.58	15.51	15.03	141.740	21.51	23.82	Pass
110	5550	16.29	15.54	15.60	15.50	150.159	21.77	23.82	Pass
134	5670	15.57	16.04	15.67	15.03	144.977	21.61	23.82	Pass
142	5710 For U-NII-2C	8.15	9.50	8.23	9.52	37.566	15.75	23.82	Pass
142	5710 For U-NII-3	-2.07	-1.37	-1.03	-1.16	3.514	5.46	29.80	Pass

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBm}$.

For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.18 - 6) = 23.82\text{dBm}$.

For U-NII-3: Max. gain = 6.20dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $30 - (6.20 - 6) = 29.80\text{dBm}$

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(42.43) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.12) = 27.24 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.32) = 27.26 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.49) = 27.28 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.49) = 27.28 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.77) = 26.59 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.42) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.48) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.51) = 27.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.41) = 27.27 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.20) = 27.25 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.95) = 26.56 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(42.79) = 27.31 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.48) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.45) = 27.27 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.50) = 27.28 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.38) = 27.27 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.91) = 26.57 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(42.21) = 27.25 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.50) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.69) = 27.30 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.03) = 27.23 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.93) = 26.57 > 24\text{dBm}$

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				
58	5290	17.32	16.67	16.85	17.26	202.031	23.05	23.99	Pass
106	5530	17.62	17.05	17.26	17.18	213.960	23.30	23.82	Pass
122	5610	16.53	17.04	16.69	16.60	187.935	22.74	23.82	Pass
138	5690 For U-NII-2C	11.37	12.92	12.60	12.42	73.431	18.66	23.82	Pass
138	5690 For U-NII-3	-1.53	-1.61	0.19	0.40	3.764	5.76	29.80	Pass

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBm}$.
 For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.18 - 6) = 23.82\text{dBm}$.
 For U-NII-3: Max. gain = 6.20dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $30 - (6.20 - 6) = 29.80\text{dBm}$

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(83.67) = 30.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(82.89) = 30.18 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.00) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.53) = 29.83 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.21) = 30.20 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.46) = 30.21 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(82.99) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.47) = 29.83 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(83.13) = 30.19 > 24\text{dBm}$

2. $11\text{dBm} + 10\log(83.33) = 30.20 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.02) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.26) = 29.85 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(83.85) = 30.23 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(82.66) = 30.17 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.05) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.09) = 29.85 > 24\text{dBm}$

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	14.26	12.61	-	-	44.908	16.52	29.99	Pass
58	5290	-	-	13.04	13.32	41.615	16.19	23.99	Pass
106	5530	18.31	17.25	-	-	120.852	20.82	23.82	Pass
122	5610	-	-	16.69	17.02	97.016	19.87	23.82	Pass

* For U-NII-1: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced to $30 - (6.01 - 6) = 29.99\text{dBm}$.

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBm}$.

For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.18 - 6) = 23.82\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(83.75) = 30.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(143.10) = 32.55 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(84.16) = 30.25 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(143.83) = 32.57 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(87.06) = 30.39 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(158.45) = 32.99 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(84.04) = 30.24 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(158.35) = 32.99 > 24\text{dBm}$

Test Mode C

5G traffic radio: Beamforming Mode

802.11n (HT20)

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				
52	5260	10.91	10.47	10.51	10.85	46.882	16.71	17.97	Pass
60	5300	10.92	10.47	10.65	10.82	47.194	16.74	17.97	Pass
64	5320	10.90	10.44	10.68	10.90	47.367	16.75	17.97	Pass
100	5500	10.89	10.84	10.67	10.52	47.348	16.75	17.80	Pass
116	5580	10.90	10.65	10.55	10.78	47.234	16.74	17.80	Pass
140	5700	10.80	10.88	10.52	10.47	46.684	16.69	17.80	Pass
144	5720 For U-NII-2C	4.87	7.89	6.62	6.18	19.124	12.82	16.72	Pass
144	5720 For U-NII-3	1.07	0.52	-1.75	-0.24	4.281	6.32	23.78	Pass

*For U-NII-2A: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.03 - 6) = 17.97\text{dBm}$.

For U-NII-2C: Ch 100, Ch 116, Ch 140: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.20 - 6) = 17.80\text{dBm}$.

For U-NII-2C: Ch 144: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $22.92 - (12.20 - 6) = 16.72\text{dBm}$.

For U-NII-3: Directional gain = $6.2\text{dBi} + 10\log(4) = 12.22\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (12.22 - 6) = 23.78\text{dBm}$.

Note:

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

Chain 0

- $11\text{dBm} + 10\log(21.60) = 24.34 > 24\text{dBm}$
- $11\text{dBm} + 10\log(21.71) = 24.36 > 24\text{dBm}$
- $11\text{dBm} + 10\log(21.50) = 24.32 > 24\text{dBm}$
- $11\text{dBm} + 10\log(21.42) = 24.30 > 24\text{dBm}$
- $11\text{dBm} + 10\log(21.39) = 24.30 > 24\text{dBm}$
- $11\text{dBm} + 10\log(21.45) = 24.31 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.17) = 22.99 < 24\text{dBm}$

Chain 1

- $11\text{dBm} + 10\log(21.82) = 24.38 > 24\text{dBm}$
- $11\text{dBm} + 10\log(21.65) = 24.35 > 24\text{dBm}$
- $11\text{dBm} + 10\log(21.71) = 24.36 > 24\text{dBm}$
- $11\text{dBm} + 10\log(21.58) = 24.34 > 24\text{dBm}$
- $11\text{dBm} + 10\log(21.29) = 24.28 > 24\text{dBm}$
- $11\text{dBm} + 10\log(21.65) = 24.35 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.18) = 22.99 < 24\text{dBm}$

Chain 2

- $11\text{dBm} + 10\log(21.48) = 24.32 > 24\text{dBm}$
- $11\text{dBm} + 10\log(21.52) = 24.32 > 24\text{dBm}$

3. $11\text{dBm} + 10\log(21.42) = 24.30 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.47) = 24.31 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.42) = 24.30 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.07) = 24.23 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.33) = 22.95 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(21.57) = 24.33 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.40) = 24.30 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.52) = 24.32 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.48) = 24.32 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.79) = 24.38 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.54) = 24.33 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.41) = 22.92 < 24\text{dBm}$

802.11n (HT40)

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				
54	5270	11.35	10.58	10.89	11.13	50.321	17.02	17.97	Pass
62	5310	11.30	10.60	10.83	11.20	50.261	17.01	17.97	Pass
102	5510	11.29	11.03	11.00	10.51	49.971	16.99	17.80	Pass
110	5550	11.77	11.01	11.07	10.98	52.974	17.24	17.80	Pass
134	5670	11.14	11.50	11.15	10.51	51.405	17.11	17.80	Pass
142	5710 For U-NII-2C	6.40	6.95	6.37	6.47	19.599	12.92	17.80	Pass
142	5710 For U-NII-3	-1.81	-2.18	-3.27	-3.34	2.382	3.77	23.78	Pass

*For U-NII-2A: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.03 - 6) = 17.97\text{dBm}$.

For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.20 - 6) = 17.80\text{dBm}$.

For U-NII-3: Directional gain = $6.2\text{dBi} + 10\log(4) = 12.22\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (12.22 - 6) = 23.78\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(42.71) = 27.30 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.49) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.57) = 27.29 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.20) = 27.25 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.73) = 26.59 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.38) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.43) = 27.27 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.38) = 27.27 > 24\text{dBm}$

4. $11\text{dBm} + 10\log(42.37) = 27.27 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.43) = 27.27 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.91) = 26.57 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(42.54) = 27.28 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.68) = 27.30 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.49) = 27.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.57) = 27.29 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.07) = 27.23 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.91) = 26.57 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(42.38) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.24) = 27.25 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.12) = 27.24 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.19) = 27.25 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.52) = 27.28 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.84) = 26.58 > 24\text{dBm}$

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				
52	5260	10.93	10.49	10.54	10.87	47.124	16.73	17.97	Pass
60	5300	10.95	10.50	10.67	10.84	47.467	16.76	17.97	Pass
64	5320	10.93	10.48	10.70	10.92	47.665	16.78	17.97	Pass
100	5500	10.91	10.86	10.69	10.54	47.567	16.77	17.80	Pass
116	5580	10.92	10.67	10.57	10.80	47.452	16.76	17.80	Pass
140	5700	10.81	10.91	10.54	10.49	46.899	16.71	17.80	Pass
144	5720 For U-NII-2C	4.85	7.87	6.60	6.16	19.036	12.80	16.72	Pass
144	5720 For U-NII-3	1.05	0.50	-1.77	-0.26	4.262	6.30	23.78	Pass

*For U-NII-2A: Directional gain = 6.01dBi + 10log(4) = 12.03dBi > 6dBi, so the limit shall be reduced to 24-(12.03-6) = 17.97dBm.

For U-NII-2C: Ch 100, Ch 116, Ch 140: Directional Gain = 6.18dBi + 10log(4) = 12.20dBi > 6dBi, so the limit shall be reduced to 24-(12.20-6) = 17.80dBm.

For U-NII-2C: Ch 144: Directional Gain = 6.18dBi + 10log(4) = 12.20dBi > 6dBi, so the limit shall be reduced to 22.92-(12.20-6) = 16.72dBm.

For U-NII-3: Directional gain = 6.2dBi + 10log(4) = 12.22dBi > 6dBi, so the limit shall be reduced to 30-(12.22-6) = 23.78dBm.

Note:

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

Chain 0

1. 11dBm + 10log (21.60) = 24.34 > 24dBm
2. 11dBm + 10log (21.71) = 24.36 > 24dBm
3. 11dBm + 10log (21.50) = 24.32 > 24dBm
4. 11dBm + 10log (21.42) = 24.30 > 24dBm
5. 11dBm + 10log (21.39) = 24.30 > 24dBm
6. 11dBm + 10log (21.45) = 24.31 > 24dBm
7. 11dBm + 10log (5725.00 - 5709.17) = 22.99 < 24dBm

Chain 1

1. 11dBm + 10log (21.82) = 24.38 > 24dBm
2. 11dBm + 10log (21.65) = 24.35 > 24dBm
3. 11dBm + 10log (21.71) = 24.36 > 24dBm
4. 11dBm + 10log (21.58) = 24.34 > 24dBm
5. 11dBm + 10log (21.29) = 24.28 > 24dBm
6. 11dBm + 10log (21.65) = 24.35 > 24dBm
7. 11dBm + 10log (5725.00 - 5709.18) = 22.99 < 24dBm

Chain 2

1. 11dBm + 10log (21.48) = 24.32 > 24dBm
2. 11dBm + 10log (21.52) = 24.32 > 24dBm
3. 11dBm + 10log (21.42) = 24.30 > 24dBm
4. 11dBm + 10log (21.47) = 24.31 > 24dBm

5. $11\text{dBm} + 10\log(21.42) = 24.30 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.07) = 24.23 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.33) = 22.95 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(21.57) = 24.33 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.40) = 24.30 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.52) = 24.32 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.48) = 24.32 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.79) = 24.38 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.54) = 24.33 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.41) = 22.92 < 24\text{dBm}$

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				
54	5270	11.37	10.61	10.91	11.15	50.580	17.04	17.97	Pass
62	5310	11.32	10.62	10.84	11.21	50.434	17.03	17.97	Pass
102	5510	11.31	11.06	11.02	10.53	50.230	17.01	17.80	Pass
110	5550	11.78	11.03	11.09	11.00	53.185	17.26	17.80	Pass
134	5670	11.16	11.52	11.17	10.53	51.643	17.13	17.80	Pass
142	5710 For U-NII-2C	6.38	6.91	6.35	6.45	19.484	12.90	17.80	Pass
142	5710 For U-NII-3	-1.83	-2.20	-3.30	-3.36	2.370	3.75	23.78	Pass

*For U-NII-2A: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.03 - 6) = 17.97\text{dBm}$.

For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.20 - 6) = 17.80\text{dBm}$.

For U-NII-3: Directional gain = $6.2\text{dBi} + 10\log(4) = 12.22\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (12.22 - 6) = 23.78\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(42.71) = 27.30 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.49) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.57) = 27.29 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.20) = 27.25 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.73) = 26.59 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.38) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.43) = 27.27 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.38) = 27.27 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.37) = 27.27 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.43) = 27.27 > 24\text{dBm}$

6. $11\text{dBm} + 10\log(5725.00 - 5688.91) = 26.57 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(42.54) = 27.28 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.68) = 27.30 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.49) = 27.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.57) = 27.29 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.07) = 27.23 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.91) = 26.57 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(42.38) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.24) = 27.25 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.12) = 27.24 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.19) = 27.25 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.52) = 27.28 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.84) = 26.58 > 24\text{dBm}$

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				
58	5290	11.30	10.65	10.82	11.24	50.487	17.03	17.97	Pass
106	5530	11.60	11.02	11.23	11.16	53.437	17.28	17.80	Pass
122	5610	11.03	11.53	11.20	11.10	52.965	17.24	17.80	Pass
138	5690 For U-NII-2C	8.81	8.55	7.56	8.24	28.576	14.56	17.80	Pass
138	5690 For U-NII-3	-5.96	-5.73	-6.83	-7.57	0.951	-0.22	23.78	Pass

*For U-NII-2A: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.03 - 6) = 17.97\text{dBm}$.

For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.20 - 6) = 17.80\text{dBm}$.

For U-NII-3: Directional gain = $6.2\text{dBi} + 10\log(4) = 12.22\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (12.22 - 6) = 23.78\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(83.79) = 30.23 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.17) = 30.19 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.14) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.63) = 29.82 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.18) = 30.20 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.50) = 30.21 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.07) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.61) = 29.83 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(83.29) = 30.20 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.00) = 30.19 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.15) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.45) = 29.83 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(83.50) = 30.21 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.39) = 30.21 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.15) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.14) = 29.85 > 24\text{dBm}$

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	7.55	7.83	-	-	11.756	10.70	23.97	Pass
58	5290	-	-	7.80	8.62	13.304	11.24	17.97	Pass
106	5530	12.29	11.23	-	-	30.217	14.80	17.80	Pass
122	5610	-	-	10.67	11.00	24.257	13.85	17.80	Pass

*For U-NII-1: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (12.03 - 6) = 23.97\text{dBm}$.

*For U-NII-2A: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.03 - 6) = 17.97\text{dBm}$.

For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.20 - 6) = 17.80\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(83.42) = 30.21 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(137.46) = 32.38 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.62) = 30.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(86.90) = 30.39 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(87.72) = 30.43 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(160.42) = 33.05 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(83.54) = 30.21 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(160.37) = 33.05 > 24\text{dBm}$

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				
52	5260	10.95	10.51	10.56	10.88	47.313	16.75	17.97	Pass
60	5300	10.96	10.52	10.69	10.85	47.630	16.78	17.97	Pass
64	5320	10.95	10.50	10.71	10.96	47.915	16.80	17.97	Pass
100	5500	10.93	10.88	10.73	10.58	47.893	16.80	17.80	Pass
116	5580	10.94	10.69	10.59	10.82	47.672	16.78	17.80	Pass
140	5700	10.85	10.93	10.56	10.51	47.172	16.74	17.80	Pass
144	5720 For U-NII-2C	4.87	7.89	6.62	6.18	19.124	12.82	16.72	Pass
144	5720 For U-NII-3	1.07	0.52	-1.75	-0.24	4.281	6.32	23.78	Pass

*For U-NII-2A: Directional gain = 6.01dBi + 10log(4) = 12.03dBi > 6dBi, so the limit shall be reduced to 24-(12.03-6) = 17.97dBm.

For U-NII-2C: Ch 100, Ch 116, Ch 140: Directional Gain = 6.18dBi + 10log(4) = 12.20dBi > 6dBi, so the limit shall be reduced to 24-(12.20-6) = 17.80dBm.

For U-NII-2C: Ch 144: Directional Gain = 6.18dBi + 10log(4) = 12.20dBi > 6dBi, so the limit shall be reduced to 22.92-(12.20-6) = 16.72dBm.

For U-NII-3: Directional gain = 6.2dBi + 10log(4) = 12.22dBi > 6dBi, so the limit shall be reduced to 30-(12.22-6) = 23.78dBm.

Note:

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

Chain 0

1. 11dBm + 10log (21.60) = 24.34 > 24dBm
2. 11dBm + 10log (21.71) = 24.36 > 24dBm
3. 11dBm + 10log (21.50) = 24.32 > 24dBm
4. 11dBm + 10log (21.42) = 24.30 > 24dBm
5. 11dBm + 10log (21.39) = 24.30 > 24dBm
6. 11dBm + 10log (21.45) = 24.31 > 24dBm
7. 11dBm + 10log (5725.00 - 5709.17) = 22.99 < 24dBm

Chain 1

1. 11dBm + 10log (21.82) = 24.38 > 24dBm
2. 11dBm + 10log (21.65) = 24.35 > 24dBm
3. 11dBm + 10log (21.71) = 24.36 > 24dBm
4. 11dBm + 10log (21.58) = 24.34 > 24dBm
5. 11dBm + 10log (21.29) = 24.28 > 24dBm
6. 11dBm + 10log (21.65) = 24.35 > 24dBm
7. 11dBm + 10log (5725.00 - 5709.18) = 22.99 < 24dBm

Chain 2

1. 11dBm + 10log (21.48) = 24.32 > 24dBm
2. 11dBm + 10log (21.52) = 24.32 > 24dBm
3. 11dBm + 10log (21.42) = 24.30 > 24dBm
4. 11dBm + 10log (21.47) = 24.31 > 24dBm

5. $11\text{dBm} + 10\log(21.42) = 24.30 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.07) = 24.23 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.33) = 22.95 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(21.57) = 24.33 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.40) = 24.30 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.52) = 24.32 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(21.48) = 24.32 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(21.79) = 24.38 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(21.54) = 24.33 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5709.41) = 22.92 < 24\text{dBm}$

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				
54	5270	11.40	10.63	10.94	11.20	50.965	17.07	17.97	Pass
62	5310	11.35	10.64	10.88	11.25	50.815	17.06	17.97	Pass
102	5510	11.33	11.10	11.03	10.54	50.466	17.03	17.80	Pass
110	5550	11.80	11.06	11.11	11.01	53.430	17.28	17.80	Pass
134	5670	11.19	11.55	11.19	10.55	51.943	17.16	17.80	Pass
142	5710 For U-NII-2C	6.40	6.95	6.37	6.47	19.599	12.92	17.80	Pass
142	5710 For U-NII-3	-1.81	-2.18	-3.27	-3.34	2.382	3.77	23.78	Pass

*For U-NII-2A: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.03 - 6) = 17.97\text{dBm}$.

For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.20 - 6) = 17.80\text{dBm}$.

For U-NII-3: Directional gain = $6.2\text{dBi} + 10\log(4) = 12.22\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (12.22 - 6) = 23.78\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(42.71) = 27.30 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.49) = 27.28 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.57) = 27.29 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.20) = 27.25 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.31) = 27.26 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.73) = 26.59 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.38) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.43) = 27.27 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.38) = 27.27 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.37) = 27.27 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.43) = 27.27 > 24\text{dBm}$

6. $11\text{dBm} + 10\log(5725.00 - 5688.91) = 26.57 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(42.54) = 27.28 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.68) = 27.30 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.49) = 27.28 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.57) = 27.29 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.07) = 27.23 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.91) = 26.57 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(42.38) = 27.27 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.24) = 27.25 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(42.12) = 27.24 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(42.19) = 27.25 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(42.52) = 27.28 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(5725.00 - 5688.84) = 26.58 > 24\text{dBm}$

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				
58	5290	11.32	10.67	10.85	11.26	50.748	17.05	17.97	Pass
106	5530	11.62	11.05	11.26	11.18	53.744	17.30	17.80	Pass
122	5610	11.05	11.56	11.21	11.12	53.212	17.26	17.80	Pass
138	5690 For U-NII-2C	8.81	8.55	7.56	8.24	28.576	14.56	17.80	Pass
138	5690 For U-NII-3	-5.96	-5.73	-6.83	-7.57	0.951	-0.22	23.78	Pass

*For U-NII-2A: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.03 - 6) = 17.97\text{dBm}$.

For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.20 - 6) = 17.80\text{dBm}$.

For U-NII-3: Directional gain = $6.2\text{dBi} + 10\log(4) = 12.22\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (12.22 - 6) = 23.78\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(83.79) = 30.23 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.17) = 30.19 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.14) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.63) = 29.82 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.18) = 30.20 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.50) = 30.21 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.07) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.61) = 29.83 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(83.29) = 30.20 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.00) = 30.19 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.15) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.45) = 29.83 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(83.50) = 30.21 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(83.39) = 30.21 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(83.15) = 30.19 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5648.14) = 29.85 > 24\text{dBm}$

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	7.57	7.90	-	-	11.881	10.75	23.97	Pass
58	5290	-	-	7.82	8.70	13.466	11.29	17.97	Pass
106	5530	12.31	11.25	-	-	30.357	14.82	17.80	Pass
122	5610	-	-	10.69	11.02	24.369	13.87	17.80	Pass

*For U-NII-1: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (12.03 - 6) = 23.97\text{dBm}$.

*For U-NII-2A: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.03 - 6) = 17.97\text{dBm}$.

For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (12.20 - 6) = 17.80\text{dBm}$.

Note:

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

Chain 0

1. $11\text{dBm} + 10\log(83.42) = 30.21 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(137.46) = 32.38 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.62) = 30.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(86.90) = 30.39 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(87.72) = 30.43 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(160.42) = 33.05 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(83.54) = 30.21 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(160.37) = 33.05 > 24\text{dBm}$

Test Mode C

Scanning radio: CDD Mode

802.11a

Chan.	Freq. (MHz)	Conducted Power (mW)	Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
52	5260	15.885	12.01	23.99	Pass
60	5300	15.704	11.96	23.99	Pass
64	5320	16.032	12.05	23.99	Pass
100	5500	15.740	11.97	23.82	Pass
116	5580	15.276	11.84	23.82	Pass
140	5700	14.421	11.59	23.82	Pass
144	5720 For U-NII-2C	6.574	8.18	23.14	Pass
144	5720 For U-NII-3	1.517	1.81	29.80	Pass

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBm}$

For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced.

Ch 100, Ch 116, Ch 140: The power limit shall be reduced to $24 - (6.18 - 6) = 23.82\text{dBm}$

Ch 144: The power limit shall be reduced to $23.32 - (6.18 - 6) = 23.14\text{dBm}$

For U-NII-3: Max. gain = 6.20dBi > 6dBi, so the power limit shall be reduced.

Ch 144: The power limit shall be reduced to $30 - (6.20 - 6) = 29.80\text{dBm}$

Note:

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

1. $11\text{dBm} + 10\log(24.97) = 24.97 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(25.42) = 25.05 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(25.61) = 25.08 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(25.19) = 25.01 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(25.30) = 25.03 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(25.39) = 25.04 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5707.91) = 23.32 < 24\text{dBm}$

802.11n (HT20)

Chan.	Freq. (MHz)	Conducted Power (mW)	Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
52	5260	15.668	11.95	23.99	Pass
60	5300	15.488	11.90	23.99	Pass
64	5320	15.996	12.04	23.99	Pass
100	5500	15.205	11.82	23.82	Pass
116	5580	14.859	11.72	23.82	Pass
140	5700	13.964	11.45	23.82	Pass
144	5720 For U-NII-2C	5.466	7.38	23.29	Pass
144	5720 For U-NII-3	1.740	2.41	29.80	Pass

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBm}$

For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced.

Ch 100, Ch 116, Ch 140: The power limit shall be reduced to $24 - (6.18 - 6) = 23.82\text{dBm}$

Ch 144: The power limit shall be reduced to $23.47 - (6.18 - 6) = 23.29\text{dBm}$

For U-NII-3: Max. gain = 6.20dBi > 6dBi, so the power limit shall be reduced.

Ch 144: The power limit shall be reduced to $30 - (6.20 - 6) = 29.80\text{dBm}$

Note:

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

1. $11\text{dBm} + 10\log(26.30) = 25.19 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(25.36) = 25.04 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(25.94) = 25.13 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(25.49) = 25.06 > 24\text{dBm}$
5. $11\text{dBm} + 10\log(25.49) = 25.06 > 24\text{dBm}$
6. $11\text{dBm} + 10\log(25.86) = 25.12 > 24\text{dBm}$
7. $11\text{dBm} + 10\log(5725.00 - 5707.31) = 23.47 < 24\text{dBm}$

802.11n (HT40)

Chan.	Freq. (MHz)	Conducted Power (mW)	Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
54	5270	15.101	11.79	23.99	Pass
62	5310	16.293	12.12	23.99	Pass
102	5510	14.723	11.68	23.82	Pass
110	5550	16.368	12.14	23.82	Pass
134	5670	13.583	11.33	23.82	Pass
142	5710 For U-NII-2C	4.922	6.92	23.82	Pass
142	5710 For U-NII-3	1.033	0.14	29.80	Pass

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBm}$

For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.18 - 6) = 23.82\text{dBm}$

For U-NII-3: Max. gain = 6.20dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $30 - (6.20 - 6) = 29.80\text{dBm}$

Note:

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

- $11\text{dBm} + 10\log(50.26) = 28.01 > 24\text{dBm}$
- $11\text{dBm} + 10\log(50.79) = 28.05 > 24\text{dBm}$
- $11\text{dBm} + 10\log(51.81) = 28.14 > 24\text{dBm}$
- $11\text{dBm} + 10\log(50.44) = 28.02 > 24\text{dBm}$
- $11\text{dBm} + 10\log(50.71) = 28.05 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5684.53) = 27.07 > 24\text{dBm}$

802.11ac (VHT80)

Chan.	Freq. (MHz)	Conducted Power (mW)	Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
58	5290	7.656	8.84	23.99	Pass
106	5530	15.136	11.80	23.82	Pass
122	5610	14.962	11.75	23.82	Pass
138	5690 For U-NII-2C	2.799	4.47	23.82	Pass
138	5690 For U-NII-3	0.156	-8.06	29.80	Pass

* For U-NII-2A: Max. gain = 6.01dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBm}$

For U-NII-2C: Max. gain = 6.18dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $24 - (6.18 - 6) = 23.82\text{dBm}$

For U-NII-3: Max. gain = 6.20dBi > 6dBi, so the power limit shall be reduced. The power limit shall be reduced to $30 - (6.20 - 6) = 29.80\text{dBm}$

Note:

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

- $11\text{dBm} + 10\log(101.27) = 31.05 > 24\text{dBm}$
- $11\text{dBm} + 10\log(99.41) = 30.97 > 24\text{dBm}$
- $11\text{dBm} + 10\log(99.95) = 30.99 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5638.59) = 30.36 > 24\text{dBm}$

26dB Bandwidth:

Test Mode A

5G traffic radio: CDD Mode

802.11a

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	19.45	19.50	19.46	19.44
60	5300	19.50	19.41	19.46	19.53
64	5320	19.40	19.42	19.54	19.47
100	5500	19.37	19.47	19.47	19.66
116	5580	19.50	19.37	19.39	19.52
140	5700	19.79	19.36	19.40	19.62
144	5720 For U-NII-2C	14.95	15.09	14.99	15.06

802.11ax (HE20)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	21.47	21.31	21.41	21.47
60	5300	21.41	21.41	21.27	21.46
64	5320	21.27	21.41	21.53	21.48
100	5500	21.40	21.37	21.64	21.38
116	5580	21.37	21.32	21.26	21.33
140	5700	21.35	21.45	21.29	21.12
144	5720 For U-NII-2C	15.80	16.08	15.66	15.77

802.11ax (HE40)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	42.26	42.31	41.96	42.15
62	5310	42.04	42.24	42.45	42.56
102	5510	42.15	42.13	41.73	42.61
110	5550	42.31	42.61	42.33	41.95
134	5670	42.31	42.16	42.07	42.22
142	5710 For U-NII-2C	36.02	36.12	36.01	36.27

802.11ax (HE80)

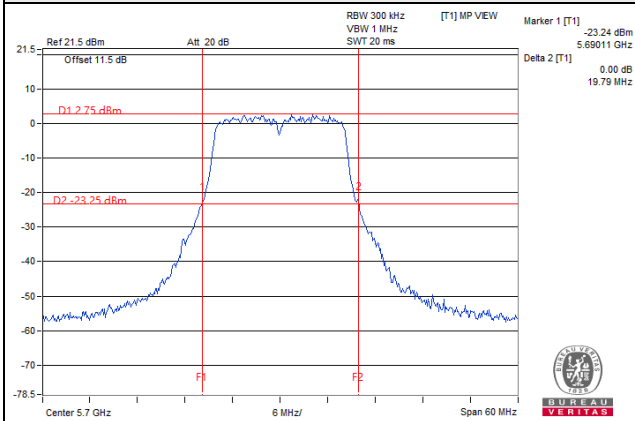
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	83.34	82.56	82.94	83.04
106	5530	82.85	82.77	83.21	82.62
122	5610	82.74	82.43	82.43	82.71
138	5690 For U-NII-2C	76.43	76.55	76.25	76.46

802.11ax (HE80+80)

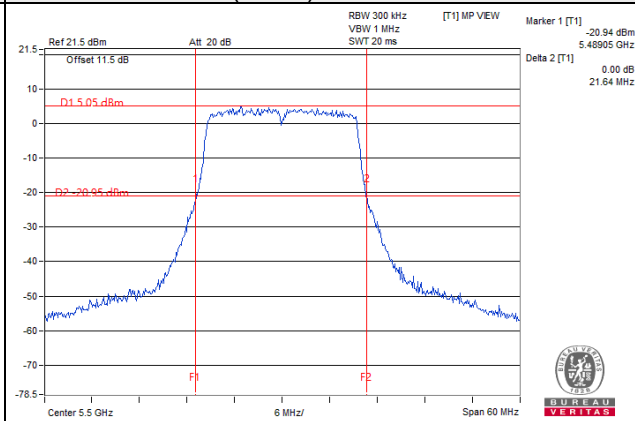
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	82.30	82.85	-	-
58	5290	-	-	124.91	125.10
106	5530	83.05	83.17	-	-
122	5610	-	-	151.31	151.75

Spectrum Plot of Worst Value

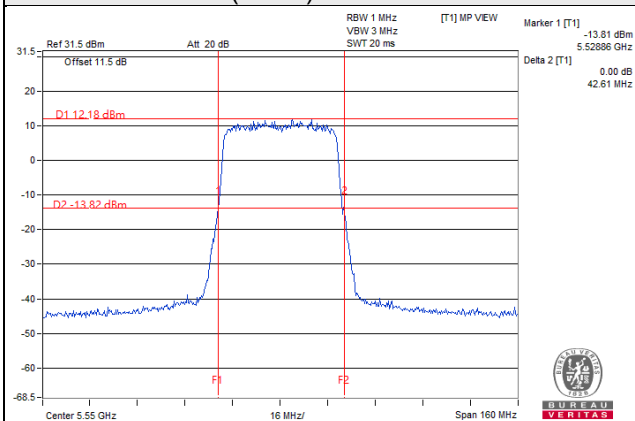
802.11a / Chain 0 / Ch 140



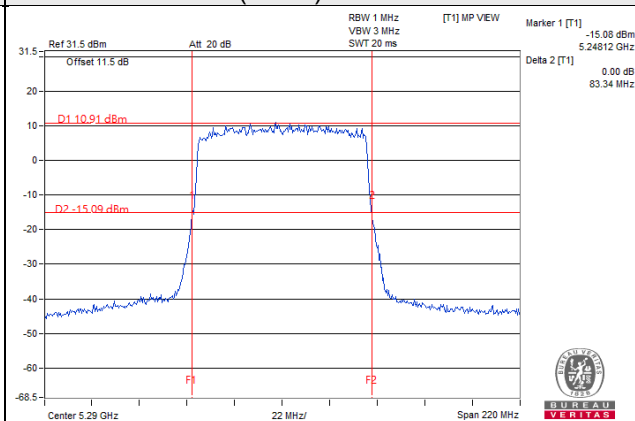
802.11ax (HE20) / Chain 2 / Ch 100



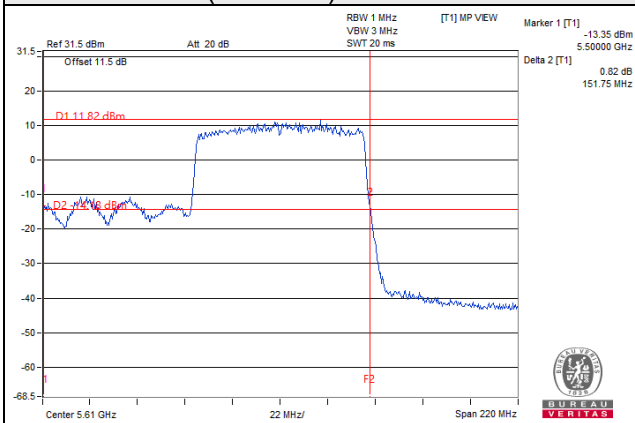
802.11ax (HE40) / Chain 1 / Ch 110



802.11ax (HE80) / Chain 0 / Ch 58



802.11ax (HE80+80) / Chain 3 / Ch 122



Test Mode A

5G traffic radio: Beamforming Mode

802.11ax (HE20)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	21.89	21.57	21.74	21.55
60	5300	21.68	21.65	21.36	21.53
64	5320	21.82	21.47	21.52	21.71
100	5500	21.38	21.69	21.34	21.47
116	5580	21.47	21.61	21.53	21.70
140	5700	21.47	21.55	21.43	21.70
144	5720 For U-NII-2C	15.85	16.06	15.76	15.87

802.11ax (HE40)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	42.52	42.29	42.44	42.46
62	5310	42.48	42.64	42.92	42.24
102	5510	42.52	42.21	42.34	42.50
110	5550	42.45	42.51	42.36	42.54
134	5670	42.00	42.33	42.19	42.35
142	5710 For U-NII-2C	36.09	36.18	36.15	36.31

802.11ax (HE80)

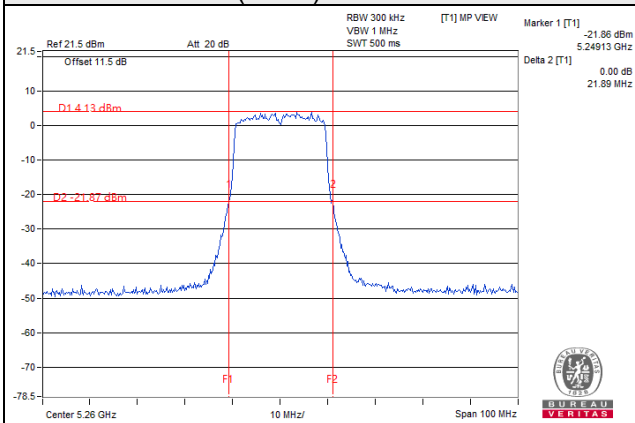
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	83.33	83.31	83.39	83.52
106	5530	83.41	83.13	83.10	83.30
122	5610	83.06	83.23	83.60	83.56
138	5690 For U-NII-2C	76.70	76.64	76.95	76.60

802.11ax (HE80+80)

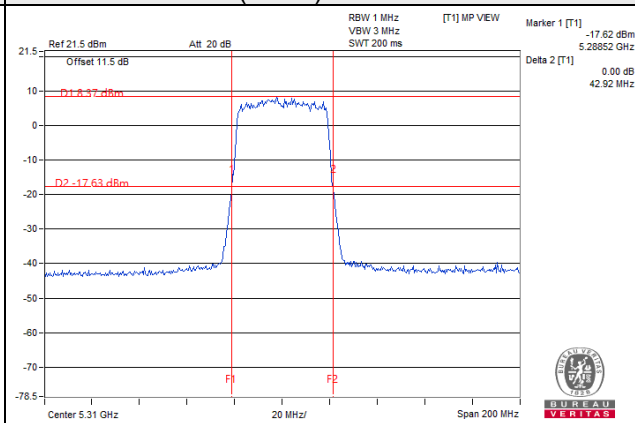
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	82.93	83.82	-	-
58	5290	-	-	127.03	123.49
106	5530	87.45	83.42	-	-
122	5610	-	-	159.04	159.93

Spectrum Plot of Worst Value

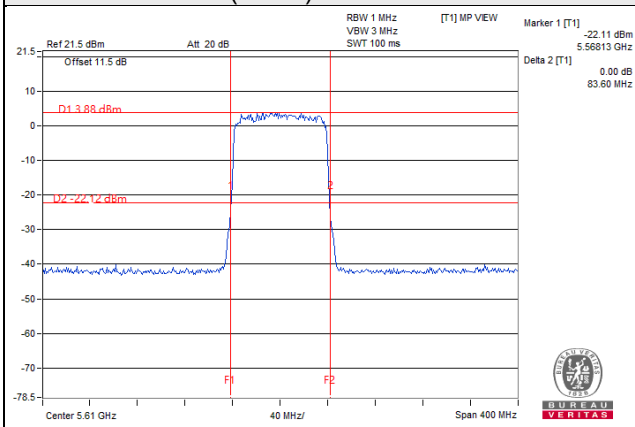
802.11ax (HE20) / Chain 0 / Ch 52



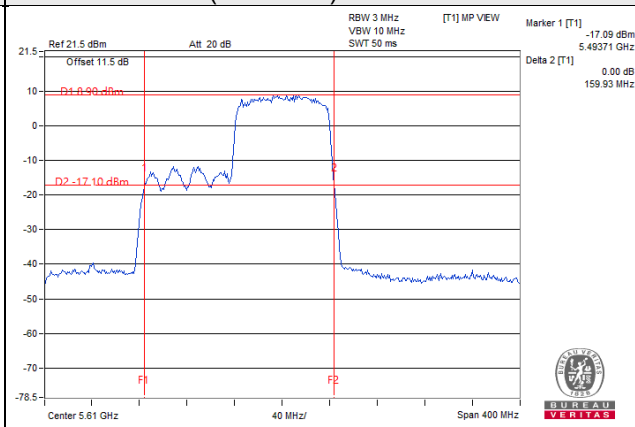
802.11ax (HE40) / Chain 2 / Ch 62



802.11ax (HE80) / Chain 2 / Ch 122



802.11ax (HE80+80) / Chain 3 / Ch 122



Test Mode A

Scanning radio: CDD Mode

802.11a

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
52	5260	24.40
60	5300	24.24
64	5320	24.51
100	5500	24.11
116	5580	24.18
140	5700	24.37
144	5720 For U-NII-2C	17.45

802.11n (HT20)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
52	5260	25.91
60	5300	25.10
64	5320	25.73
100	5500	25.26
116	5580	25.87
140	5700	25.12
144	5720 For U-NII-2C	17.91

802.11n (HT40)

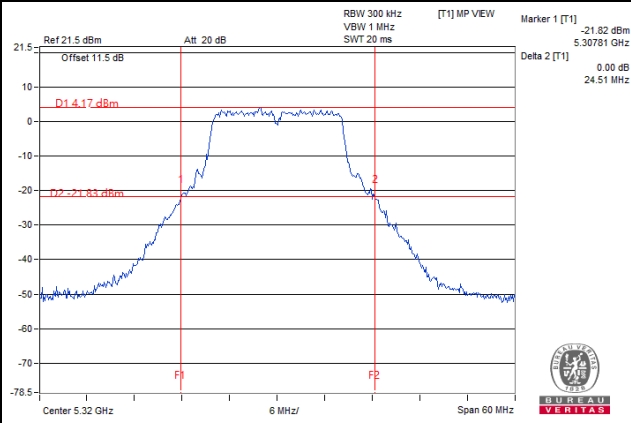
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
54	5270	50.14
62	5310	50.20
102	5510	50.12
110	5550	50.25
134	5670	50.47
142	5710 For U-NII-2C	40.31

802.11ac (VHT80)

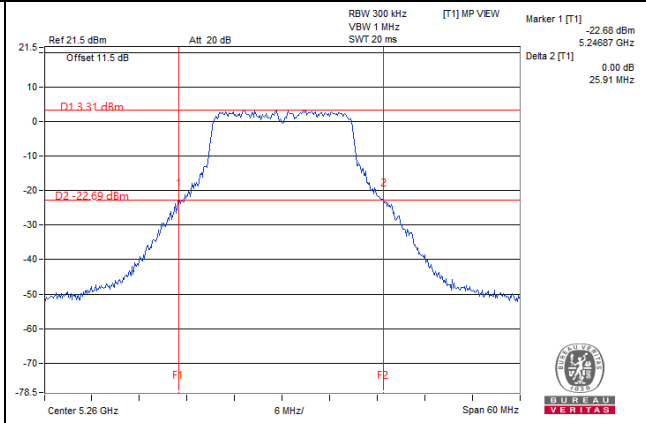
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
58	5290	101.79
106	5530	101.23
122	5610	100.59
138	5690 For U-NII-2C	86.30

Spectrum Plot of Worst Value

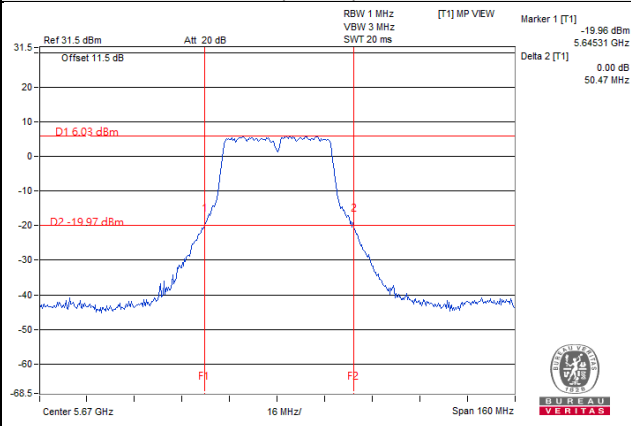
802.11a / Ch 64



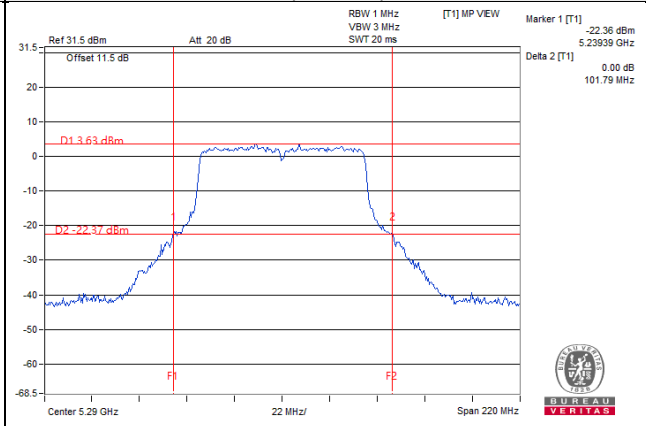
802.11n (HT20) / Ch 52



802.11n (HT40) / Ch 134



802.11ac (VHT80) / Ch 58



Test Mode C

5G traffic radio: CDD Mode

802.11a

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	19.61	19.61	19.63	19.78
60	5300	19.61	19.51	19.69	19.62
64	5320	19.68	19.60	19.70	19.45
100	5500	19.59	20.05	19.79	19.66
116	5580	19.75	19.41	20.02	19.57
140	5700	19.86	19.83	19.60	19.86
144	5720 For U-NII-2C	14.93	14.91	14.87	14.95

802.11ax (HE20)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	21.68	21.37	21.49	21.59
60	5300	21.35	21.57	21.57	21.55
64	5320	21.30	21.49	21.83	21.42
100	5500	21.62	21.47	21.51	21.35
116	5580	21.41	21.66	21.70	21.39
140	5700	21.82	21.75	21.77	21.30
144	5720 For U-NII-2C	15.69	15.70	15.80	15.74

802.11ax (HE40)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	42.43	42.42	42.79	42.21
62	5310	42.12	42.48	42.48	42.50
102	5510	42.32	42.51	42.45	42.69
110	5550	42.49	42.41	42.50	42.03
134	5670	42.49	42.20	42.38	42.31
142	5710 For U-NII-2C	36.23	36.05	36.09	36.07

802.11ax (HE80)

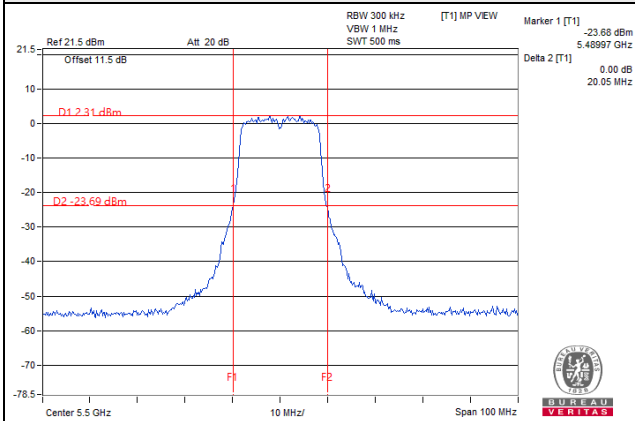
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	83.67	83.21	83.13	83.85
106	5530	82.89	83.46	83.33	82.66
122	5610	83.00	82.99	83.02	83.05
138	5690 For U-NII-2C	76.47	76.53	76.74	76.91

802.11ax (HE80+80)

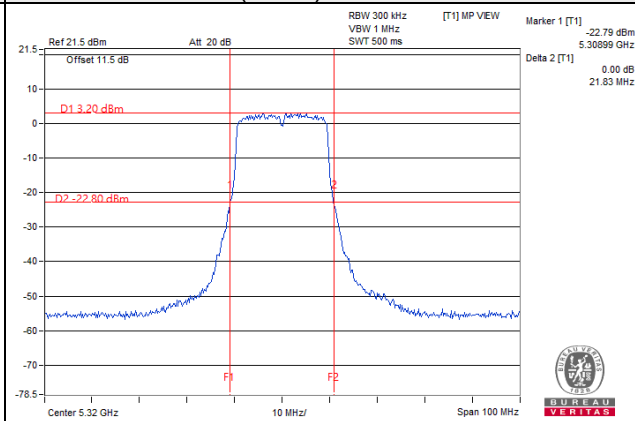
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	83.75	84.16	-	-
58	5290	-	-	87.06	84.04
106	5530	143.10	143.83	-	-
122	5610	-	-	158.45	158.35

Spectrum Plot of Worst Value

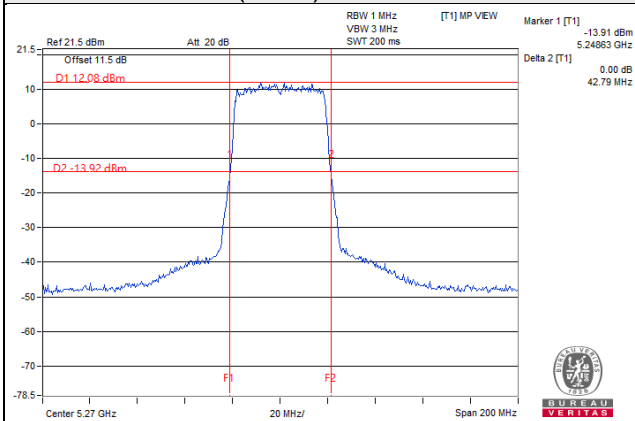
802.11a / Chain 1 / Ch 100



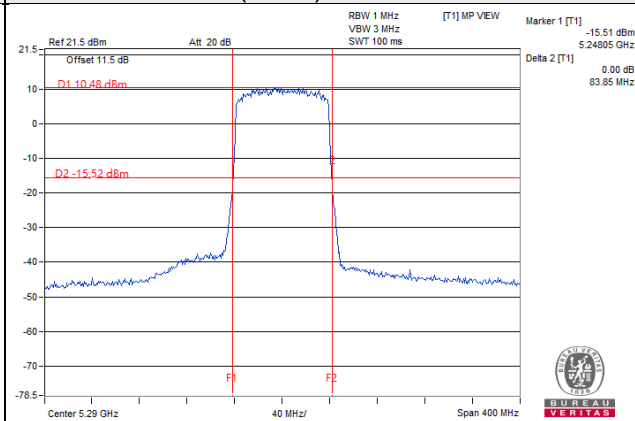
802.11ax (HE20) / Chain 2 / Ch 64



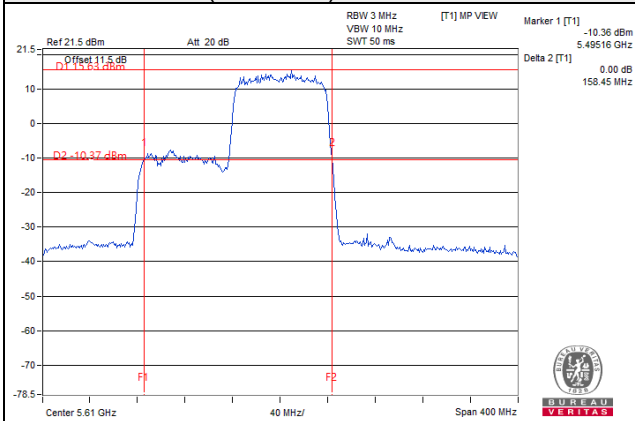
802.11ax (HE40) / Chain 2 / Ch 54



802.11ax (HE80) / Chain 3 / Ch 58



802.11ax (HE80+80) / Chain 2 / Ch 122



Test Mode C

5G traffic radio: Beamforming Mode

802.11ax (HE20)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	21.60	21.82	21.48	21.57
60	5300	21.71	21.65	21.52	21.40
64	5320	21.50	21.71	21.42	21.52
100	5500	21.42	21.58	21.47	21.48
116	5580	21.39	21.29	21.42	21.79
140	5700	21.45	21.65	21.07	21.54
144	5720 For U-NII-2C	15.83	15.82	15.67	15.59

802.11ax (HE40)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	42.71	42.38	42.54	42.38
62	5310	42.49	42.43	42.68	42.24
102	5510	42.57	42.38	42.49	42.12
110	5550	42.20	42.37	42.57	42.19
134	5670	42.31	42.43	42.07	42.52
142	5710 For U-NII-2C	36.27	36.09	36.09	36.16

802.11ax (HE80)

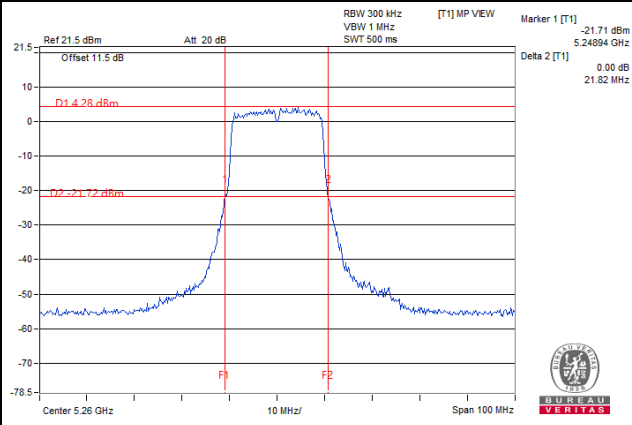
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	83.79	83.18	83.29	83.50
106	5530	83.17	83.50	83.00	83.39
122	5610	83.14	83.07	83.15	83.15
138	5690 For U-NII-2C	76.37	76.39	76.55	76.86

802.11ax (HE80+80)

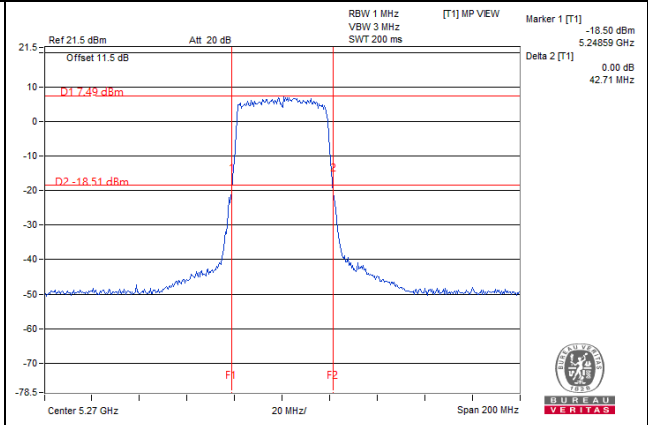
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	83.42	83.62	-	-
58	5290	-	-	87.72	83.54
106	5530	137.46	86.90	-	-
122	5610	-	-	160.42	160.37

Spectrum Plot of Worst Value

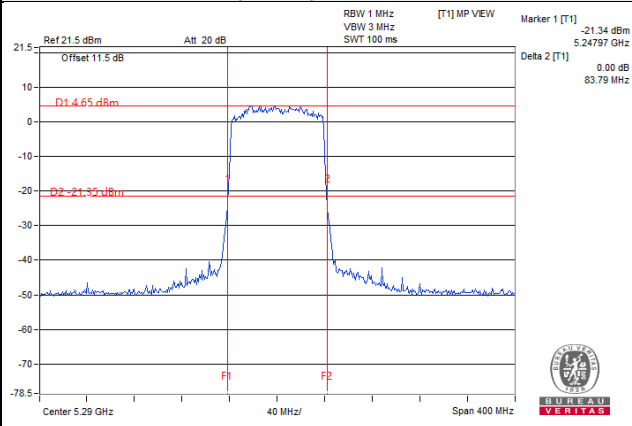
802.11ax (HE20) / Chain 1 / Ch 52



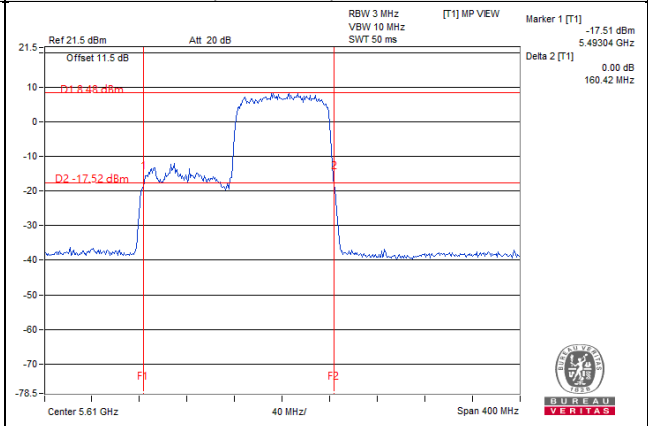
802.11ax (HE40) / Chain 0 / Ch 54



802.11ax (HE80) / Chain 0 / Ch 58



802.11ax (HE80+80) / Chain 2 / Ch 122



Test Mode C

Scanning radio: CDD Mode

802.11a

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
52	5260	24.97
60	5300	25.42
64	5320	25.61
100	5500	25.19
116	5580	25.30
140	5700	25.39
144	5720 For U-NII-2C	17.09

802.11n (HT20)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
52	5260	26.30
60	5300	25.36
64	5320	25.94
100	5500	25.49
116	5580	25.49
140	5700	25.86
144	5720 For U-NII-2C	17.69

802.11n (HT40)

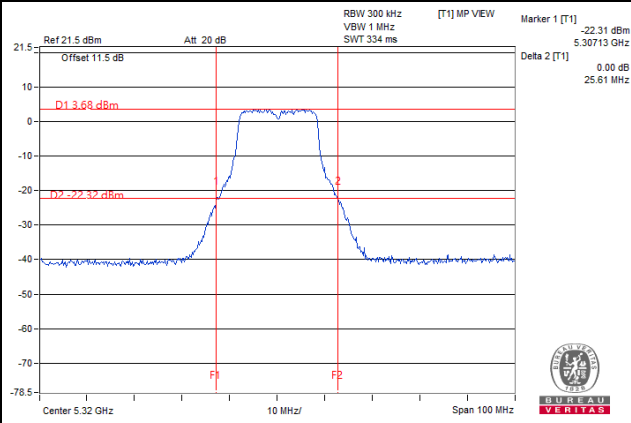
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
54	5270	50.26
62	5310	50.79
102	5510	51.81
110	5550	50.44
134	5670	50.71
142	5710 For U-NII-2C	40.47

802.11ac (VHT80)

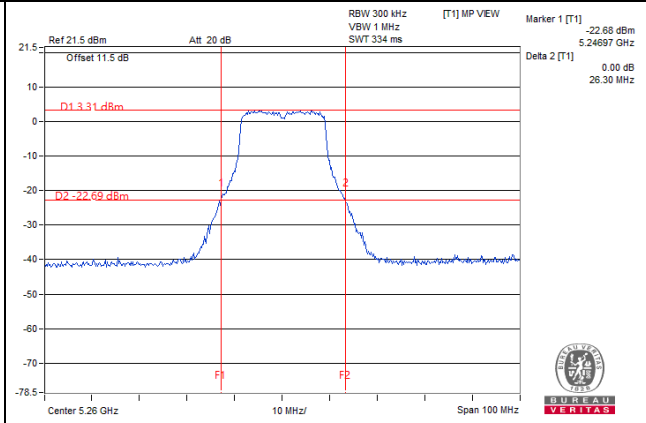
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
58	5290	101.27
106	5530	99.41
122	5610	99.95
138	5690 For U-NII-2C	86.41

Spectrum Plot of Worst Value

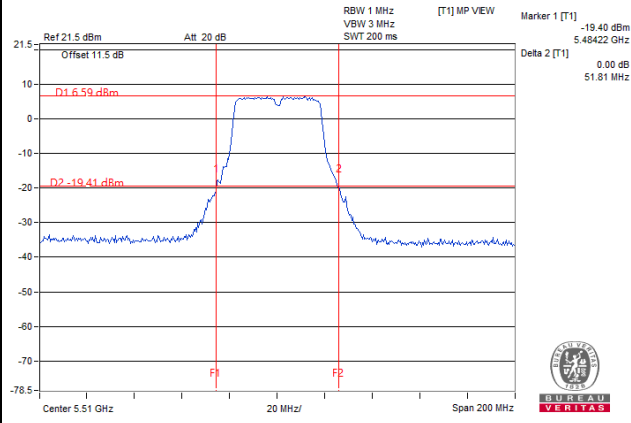
802.11a / Ch 64



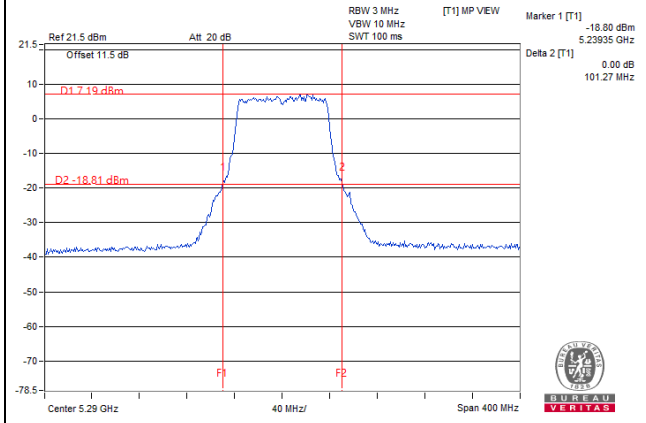
802.11n (HT20) / Ch 52



802.11n (HT40) / Ch 102



802.11ac (VHT80) / Ch 58



EUT Maximum Conducted Power

Test Mode A

5G traffic radio: CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	57.855	17.62
5470~5725	56.831	17.55

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	57.671	17.61
5470~5725	55.700	17.46

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	146.799	21.67
5470~5725	141.563	21.51

802.11ac (VHT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	57.973	17.63
5470~5725	55.890	17.47

802.11ac (VHT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	147.301	21.68
5470~5725	142.220	21.53

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	225.090	23.52
5470~5725	223.499	23.49

802.11ac (VHT80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	119.941	20.79
5470~5725	110.606	20.44

802.11ax (HE20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	58.243	17.65
5470~5725	56.147	17.49

802.11ax (HE40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	147.895	21.70
5470~5725	142.876	21.55

802.11ax (HE80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	225.992	23.54
5470~5725	224.897	23.52

802.11ax (HE80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	120.918	20.82
5470~5725	111.116	20.46

Test Mode A

5G traffic radio: Beamforming Mode

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	56.658	17.53
5470~5725	55.200	17.42

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	58.921	17.70
5470~5725	57.056	17.56

802.11ac (VHT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	56.918	17.55
5470~5725	55.455	17.44

802.11ac (VHT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	59.157	17.72
5470~5725	57.285	17.58

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	59.324	17.73
5470~5725	57.314	17.58

802.11ac (VHT80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	45.920	16.62
5470~5725	28.008	14.47

802.11ax (HE20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	57.150	17.57
5470~5725	55.682	17.46

802.11ax (HE40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	59.569	17.75
5470~5725	57.550	17.60

802.11ax (HE80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	59.597	17.75
5470~5725	57.545	17.60

802.11ax (HE80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	46.132	16.64
5470~5725	28.202	14.50

Test Mode A

Scanning radio: CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	16.444	12.16
5470~5725	16.827	12.26

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	16.749	12.24
5470~5725	16.482	12.17

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	16.331	12.13
5470~5725	16.558	12.19

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	15.959	12.03
5470~5725	16.181	12.09

Test Mode C

5G traffic radio: CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	43.449	16.38
5470~5725	43.679	16.40

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	49.317	16.93
5470~5725	50.251	17.01

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	141.897	21.52
5470~5725	148.115	21.71

802.11ac (VHT20)

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

802.11ac (VHT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	142.555	21.54
5470~5725	149.219	21.74

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	201.213	23.04
5470~5725	212.612	23.28

802.11ac (VHT80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	41.379	16.17
5470~5725	120.298	20.80

802.11ax (HE20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	49.912	16.98
5470~5725	50.773	17.06

802.11ax (HE40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	143.148	21.56
5470~5725	150.159	21.77

802.11ax (HE80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	202.031	23.05
5470~5725	213.960	23.30

802.11ax (HE80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	41.615	16.19
5470~5725	120.852	20.82

Test Mode C

5G traffic radio: Beamforming Mode

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	47.367	16.75
5470~5725	47.348	16.75

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	50.321	17.02
5470~5725	52.974	17.24

802.11ac (VHT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	47.665	16.78
5470~5725	47.567	16.77

802.11ac (VHT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	50.580	17.04
5470~5725	53.185	17.26

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	50.487	17.03
5470~5725	53.437	17.28

802.11ac (VHT80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	13.304	11.24
5470~5725	30.217	14.80

802.11ax (HE20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	47.915	16.80
5470~5725	47.893	16.80

802.11ax (HE40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	50.965	17.07
5470~5725	53.430	17.28

802.11ax (HE80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	50.748	17.05
5470~5725	53.744	17.30

802.11ax (HE80+80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	13.466	11.29
5470~5725	30.357	14.82

Test Mode C

Scanning radio: CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	16.032	12.05
5470~5725	15.740	11.97

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	15.996	12.04
5470~5725	15.205	11.82

802.11n (HT40)

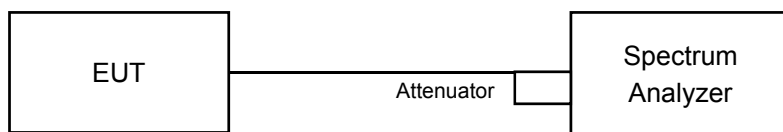
Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	16.293	12.12
5470~5725	16.368	12.14

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	7.656	8.84
5470~5725	15.136	11.80

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

5G traffic radio: CDD Mode

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	16.44	16.44	16.44	16.44
60	5300	16.44	16.56	16.44	16.56
64	5320	16.44	16.44	16.56	16.44
100	5500	16.44	16.44	16.56	16.56
116	5580	16.44	16.56	16.32	16.56
140	5700	16.56	16.56	16.56	16.56
144	5720 For U-NII-2C	13.40	13.40	13.40	13.40
144	5720 For U-NII-3	3.04	3.04	3.04	3.04

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	18.96	18.96	18.96	18.96
60	5300	18.96	18.96	18.96	18.96
64	5320	18.96	18.96	18.96	18.96
100	5500	18.96	18.96	18.96	18.96
116	5580	18.96	18.96	18.96	18.96
140	5700	18.96	18.96	18.96	18.96
144	5720 For U-NII-2C	14.60	14.60	14.60	14.60
144	5720 For U-NII-3	4.36	4.36	4.36	4.36

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	38.04	38.04	38.16	38.04
62	5310	38.16	38.04	38.04	38.04
102	5510	38.04	38.04	38.04	37.80
110	5550	38.04	38.04	38.04	37.92
134	5670	37.92	38.04	38.04	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

802.11ax (HE80)

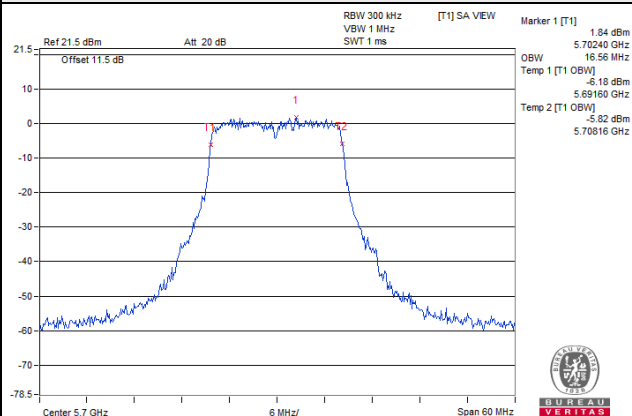
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	77.28	77.28	77.04	77.28
106	5530	77.04	77.04	77.04	77.04
122	5610	77.04	77.28	77.28	77.04
138	5690 For U-NII-2C	73.88	73.88	73.88	73.88
138	5690 For U-NII-3	2.92	3.40	2.92	2.92

802.11ax (HE80+80)

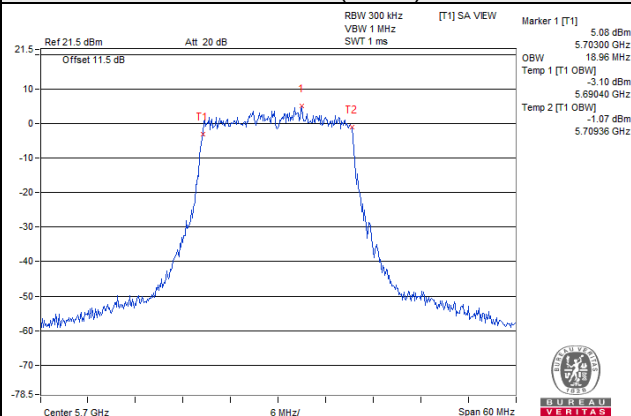
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	77.28	77.28	-	-
58	5290	-	-	77.28	77.52
106	5530	77.52	77.52	-	-
122	5610	-	-	77.52	77.76

Spectrum Plot of Worst Value

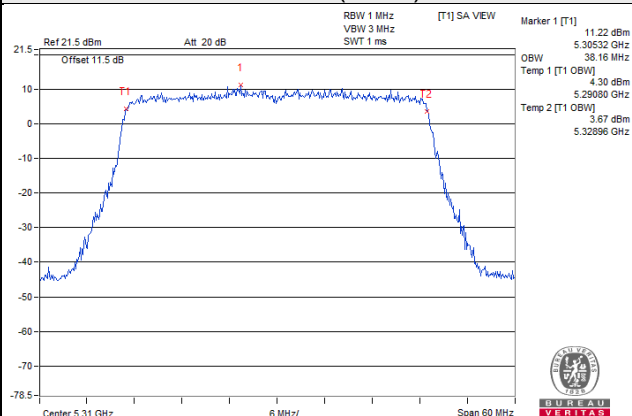
802.11a



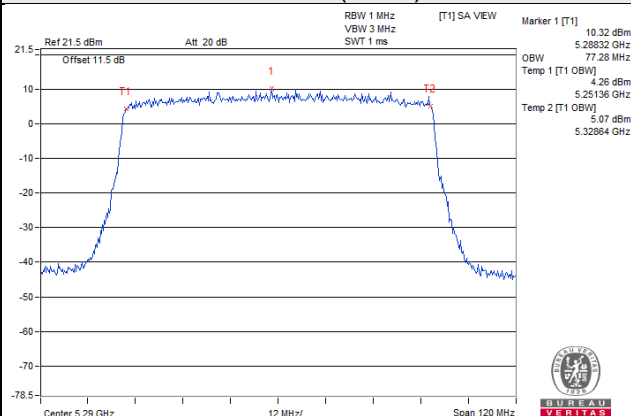
802.11ax (HE20)



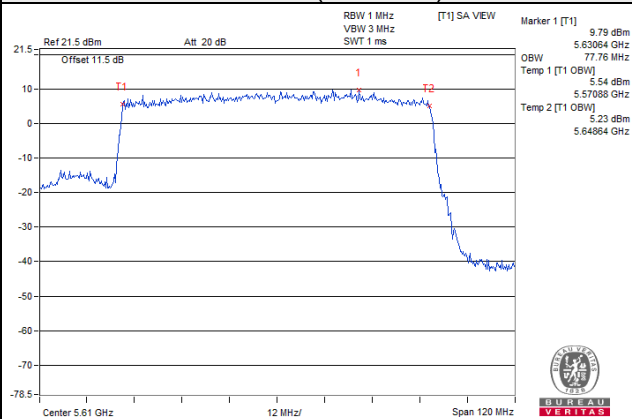
802.11ax (HE40)



802.11ax (HE80)



802.11ax (HE80+80)



Test Mode A

5G traffic radio: Beamforming Mode

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	19.08	18.84	19.08	19.08
60	5300	19.08	18.96	18.96	18.96
64	5320	19.08	18.96	18.96	18.96
100	5500	19.08	19.08	18.96	18.96
116	5580	19.08	18.84	18.84	18.96
140	5700	18.84	18.84	18.96	19.08
144	5720 For U-NII-2C	14.60	14.60	14.60	14.60
144	5720 For U-NII-3	4.36	4.36	4.36	4.36

802.11ax (HE40)

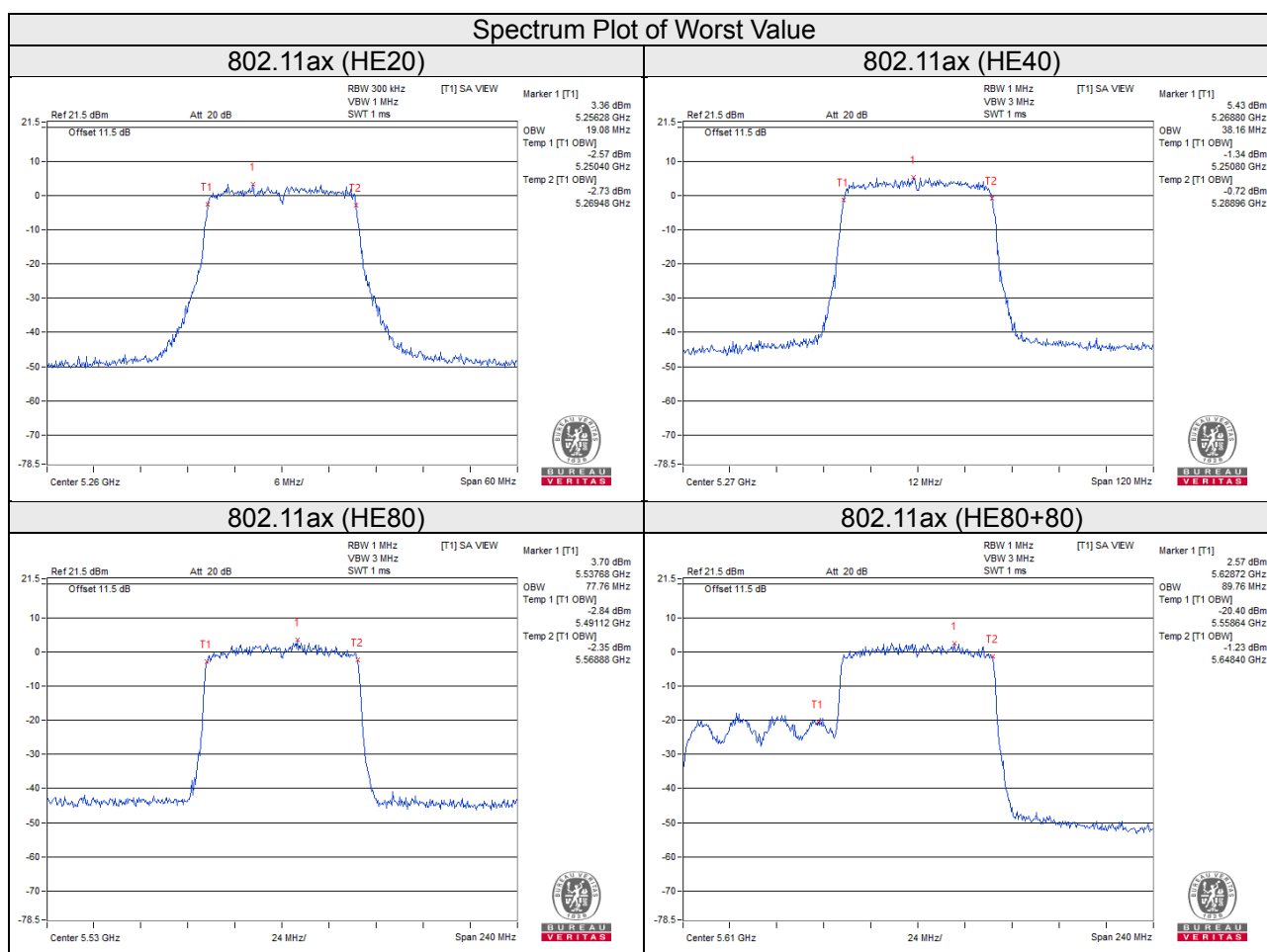
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	38.16	37.92	37.92	38.16
62	5310	37.92	37.92	37.92	37.92
102	5510	38.16	37.92	38.16	38.16
110	5550	37.92	37.92	37.92	37.92
134	5670	37.92	37.92	38.16	37.92
142	5710 For U-NII-2C	34.20	34.20	34.44	34.20
142	5710 For U-NII-3	3.72	3.72	3.72	3.72

802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	76.80	77.28	77.28	77.28
106	5530	76.80	77.76	77.76	77.28
122	5610	77.76	77.28	77.28	77.28
138	5690 For U-NII-2C	74.36	73.88	73.88	73.88
138	5690 For U-NII-3	2.92	2.92	3.40	2.92

802.11ax (HE80+80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	77.28	77.28	-	-
58	5290	-	-	77.76	77.28
106	5530	77.28	77.76	-	-
122	5610	-	-	89.76	88.32



Test Mode A

Scanning radio: CDD Mode

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
52	5260	16.92
60	5300	16.92
64	5320	16.92
100	5500	16.92
116	5580	16.80
140	5700	16.80
144	5720 For U-NII-2C	13.52
144	5720 For U-NII-3	3.40

802.11n (HT20)

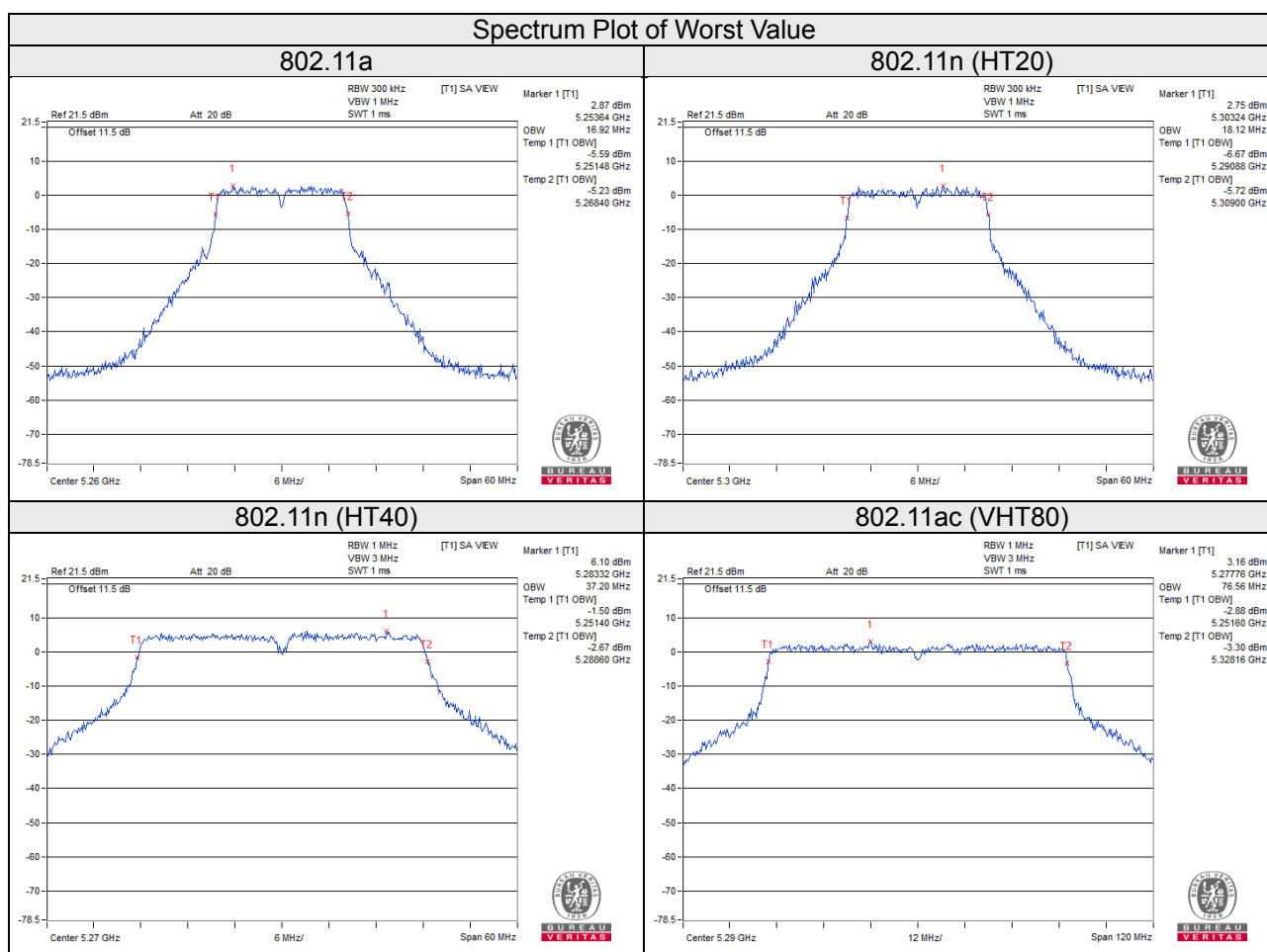
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
52	5260	18.00
60	5300	18.12
64	5320	18.00
100	5500	18.00
116	5580	18.12
140	5700	18.12
144	5720 For U-NII-2C	14.12
144	5720 For U-NII-3	4.00

802.11n (HT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
54	5270	37.20
62	5310	37.20
102	5510	37.20
110	5550	37.20
134	5670	37.20
142	5710 For U-NII-2C	33.72
142	5710 For U-NII-3	3.24

802.11ac (VHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
58	5290	76.56
106	5530	76.56
122	5610	76.56
138	5690 For U-NII-2C	73.40
138	5690 For U-NII-3	2.92



Test Mode C

5G traffic radio: CDD Mode

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	16.56	16.44	16.44	16.56
60	5300	16.56	16.44	16.44	16.32
64	5320	16.44	16.44	16.44	16.44
100	5500	16.44	16.44	16.44	16.32
116	5580	16.32	16.32	16.44	16.44
140	5700	16.44	16.44	16.44	16.56
144	5720 For U-NII-2C	13.40	13.40	13.40	13.40
144	5720 For U-NII-3	3.04	3.04	3.04	3.04

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	18.96	18.96	18.96	18.96
60	5300	18.96	18.96	18.96	18.96
64	5320	18.96	18.96	18.96	18.96
100	5500	18.96	18.96	18.96	18.96
116	5580	18.96	18.96	18.96	18.96
140	5700	18.96	18.96	18.96	18.96
144	5720 For U-NII-2C	14.60	14.60	14.60	14.60
144	5720 For U-NII-3	4.36	4.36	4.36	4.36

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	37.92	37.92	37.92	37.92
62	5310	37.92	37.92	38.16	38.16
102	5510	37.92	37.92	37.92	38.16
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	34.20	34.20
142	5710 For U-NII-3	3.72	3.48	3.72	3.72

802.11ax (HE80)

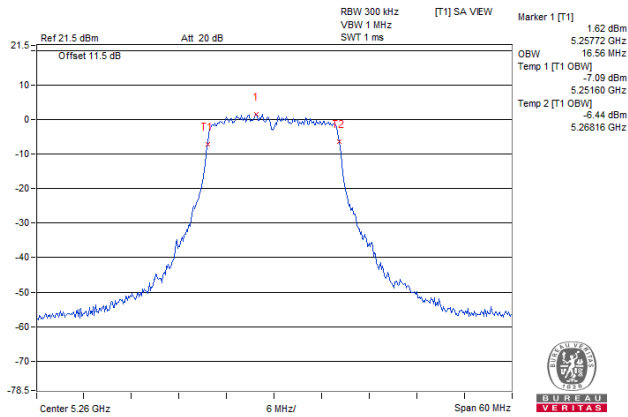
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	77.28	77.28	77.28	77.28
106	5530	77.28	77.76	77.28	77.28
122	5610	76.80	76.80	76.80	76.80
138	5690 For U-NII-2C	73.88	73.88	73.88	73.88
138	5690 For U-NII-3	2.92	3.40	3.40	3.40

802.11ax (HE80+80)

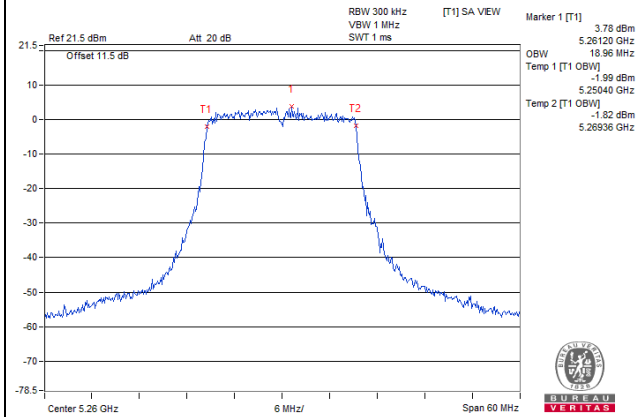
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	78.24	78.72	-	-
58	5290	-	-	78.72	78.72
106	5530	78.95	78.95	-	-
122	5610	-	-	83.04	78.72

Spectrum Plot of Worst Value

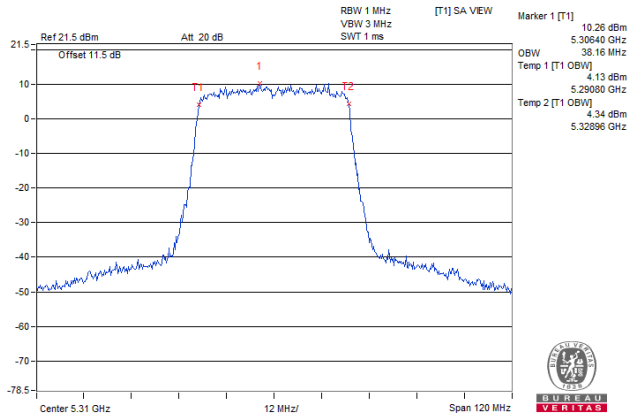
802.11a



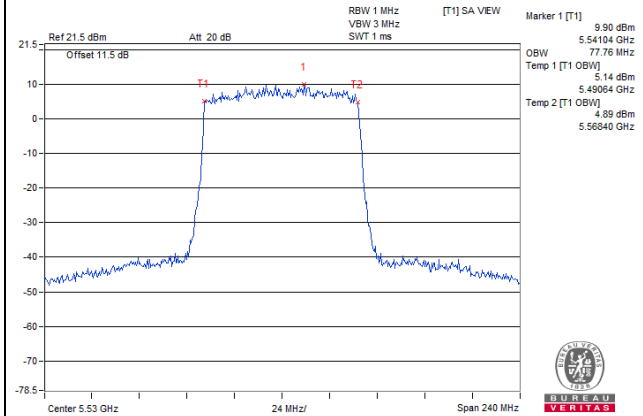
802.11ax (HE20)



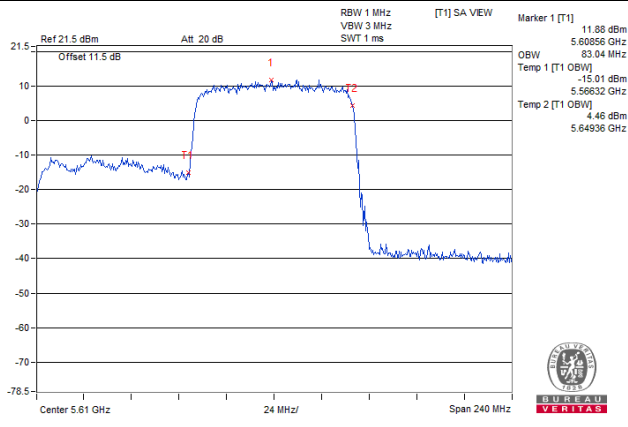
802.11ax (HE40)



802.11ax (HE80)



802.11ax (HE80+80)



Test Mode C

5G traffic radio: Beamforming Mode

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	18.96	18.96	18.96	18.96
60	5300	18.96	18.96	18.96	18.96
64	5320	18.96	18.96	18.96	18.96
100	5500	18.96	18.96	18.96	18.96
116	5580	18.96	18.96	18.96	18.96
140	5700	18.96	18.96	18.96	18.96
144	5720 For U-NII-2C	14.60	14.60	14.60	14.60
144	5720 For U-NII-3	4.36	4.36	4.36	4.36

802.11ax (HE40)

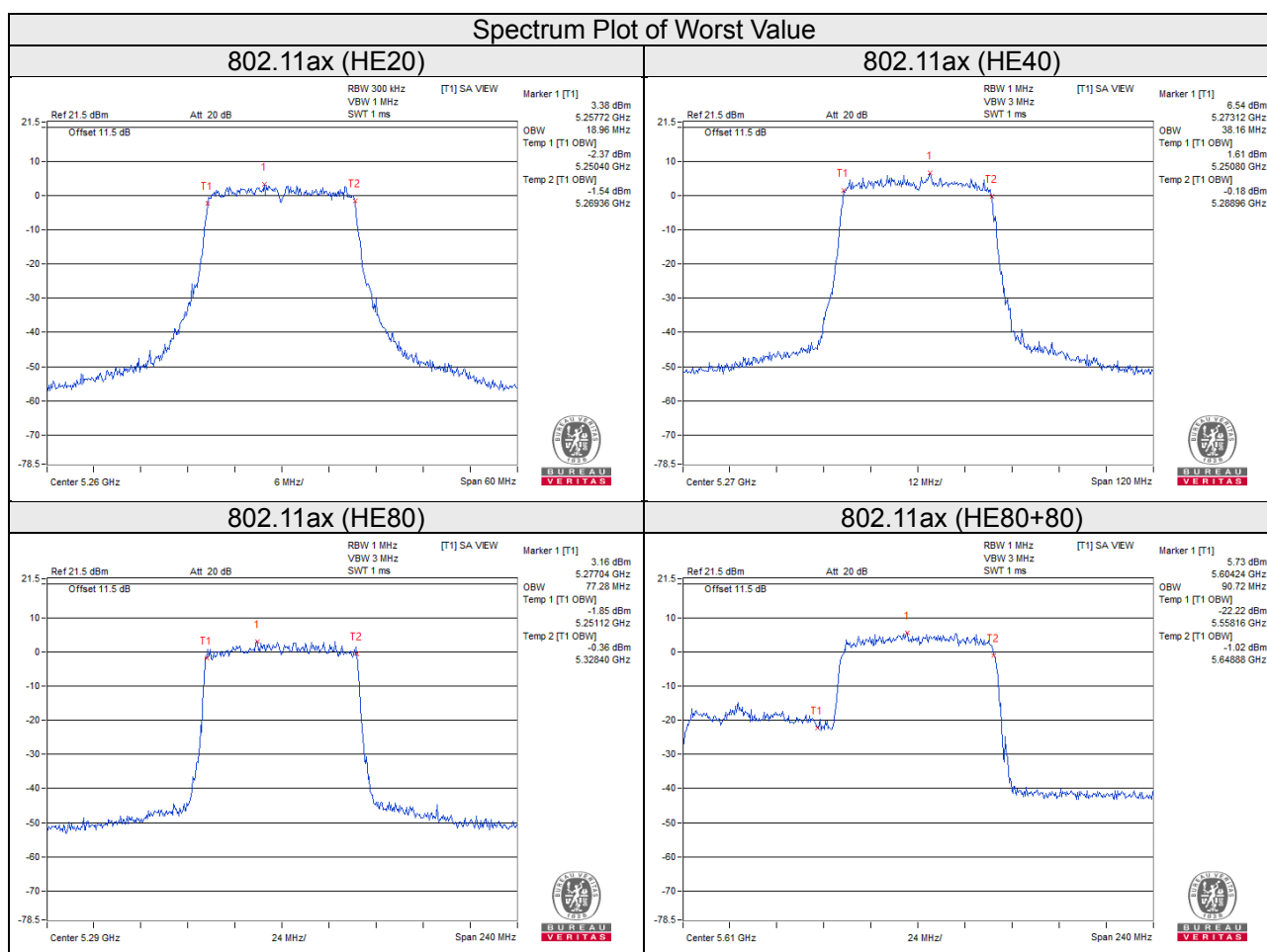
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	38.16	37.92	38.16	37.92
62	5310	38.16	37.92	38.16	37.92
102	5510	37.92	38.16	38.16	37.92
110	5550	37.92	37.92	37.92	37.92
134	5670	37.92	37.92	37.92	37.92
142	5710 For U-NII-2C	34.20	34.20	34.20	34.20
142	5710 For U-NII-3	3.72	3.72	3.72	3.72

802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	77.28	77.28	77.28	77.28
106	5530	77.28	77.28	77.28	77.28
122	5610	77.28	76.80	76.80	76.80
138	5690 For U-NII-2C	73.88	73.88	73.88	73.88
138	5690 For U-NII-3	3.40	2.92	2.92	2.92

802.11ax (HE80+80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	78.24	78.72	-	-
58	5290	-	-	78.72	78.72
106	5530	78.95	78.26	-	-
122	5610	-	-	87.84	90.72



Test Mode C

Scanning radio: CDD Mode

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
52	5260	17.04
60	5300	17.04
64	5320	17.04
100	5500	17.04
116	5580	17.04
140	5700	17.04
144	5720 For U-NII-2C	13.64
144	5720 For U-NII-3	3.52

802.11n (HT20)

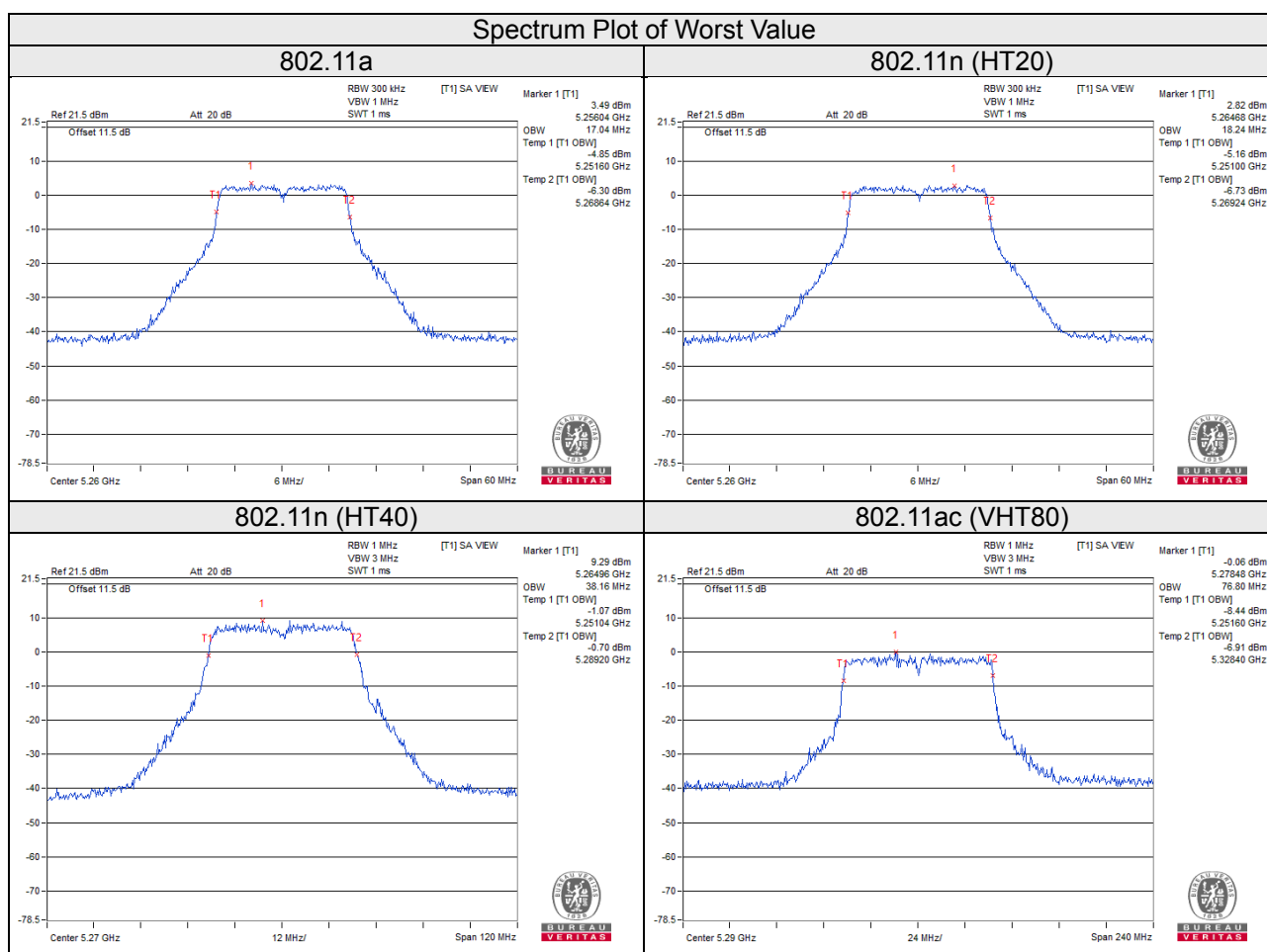
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
52	5260	18.24
60	5300	18.24
64	5320	18.12
100	5500	18.24
116	5580	18.00
140	5700	18.12
144	5720 For U-NII-2C	14.12
144	5720 For U-NII-3	4.00

802.11n (HT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
54	5270	38.16
62	5310	37.20
102	5510	37.44
110	5550	37.20
134	5670	37.20
142	5710 For U-NII-2C	33.72
142	5710 For U-NII-3	3.48

802.11ac (VHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
58	5290	76.80
106	5530	75.84
122	5610	76.80
138	5690 For U-NII-2C	73.40
138	5690 For U-NII-3	2.92

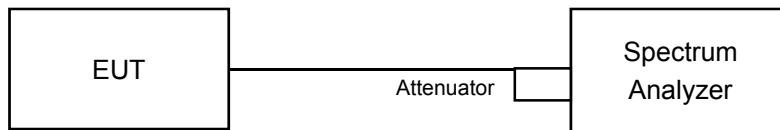


4.5 Peak Power Spectral Density Measurement

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

Duty cycle of test signal is < 98%

Using method SA-2

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

For U-NII-3 band

Duty cycle <98%

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

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Conditions

Same as 4.3.6.

4.5.7 Test Results

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

Test Mode A

5G traffic radio: CDD Mode

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				
52	5260	-1.47	-1.66	-1.99	-1.69	0.30	4.62	5.49	Pass
60	5300	-1.39	-1.61	-1.57	-1.80	0.30	4.73	5.49	Pass
64	5320	-1.48	-1.57	-1.72	-1.70	0.30	4.70	5.49	Pass
100	5500	-1.59	-1.87	-1.90	-2.42	0.30	4.39	5.01	Pass
116	5580	-2.19	-1.78	-1.55	-1.53	0.30	4.57	5.01	Pass
140	5700	-2.26	-1.40	-2.21	-1.99	0.30	4.37	5.01	Pass
144	5720 For U-NII-2C	-2.80	-2.50	-1.60	-2.60	0.30	3.97	5.01	Pass

Note:

- 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.
- For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $11 - (11.51 - 6) = 5.49 \text{dBm}$.
For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $11 - (11.99 - 6) = 5.01 \text{dBm}$.
- 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				
52	5260	-2.09	-2.16	-3.66	-2.28	0.25	3.77	5.49	Pass
60	5300	-1.49	-2.81	-1.57	-2.46	0.25	4.22	5.49	Pass
64	5320	-1.65	-2.80	-1.97	-1.28	0.25	4.38	5.49	Pass
100	5500	-3.07	-2.58	-1.67	-2.33	0.25	3.89	5.01	Pass
116	5580	-2.19	-1.78	-2.37	-2.20	0.25	4.14	5.01	Pass
140	5700	-2.12	-2.71	-2.32	-3.16	0.25	3.71	5.01	Pass
144	5720 For U-NII-2C	-4.26	-2.48	-1.34	-1.78	0.25	3.94	5.01	Pass

Note:

- 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.
- For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $11 - (11.51 - 6) = 5.49 \text{dBm}$.
For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $11 - (11.99 - 6) = 5.01 \text{dBm}$.
- 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				
54	5270	-2.53	-3.19	-1.36	-1.34	0.31	4.30	5.49	Pass
62	5310	-3.77	-1.49	-1.53	-1.35	0.31	4.40	5.49	Pass
102	5510	-1.71	-2.14	-3.39	-1.59	0.31	4.18	5.01	Pass
110	5550	-2.00	-2.34	-2.64	-1.13	0.31	4.34	5.01	Pass
134	5670	-1.90	-2.22	-3.79	-2.63	0.31	3.75	5.01	Pass
142	5710 For U-NII-2C	-1.83	-1.42	-2.58	-3.72	0.31	4.03	5.01	Pass

Note:

- 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.
- For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $11 - (11.51 - 6) = 5.49 \text{dBm}$.
For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $11 - (11.99 - 6) = 5.01 \text{dBm}$.
- 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				
58	5290	-3.39	-3.24	-2.79	-2.98	0.35	3.28	5.49	Pass
106	5530	-3.26	-1.86	-2.04	-2.71	0.35	3.94	5.01	Pass
122	5610	-3.57	-2.42	-3.64	-2.58	0.35	3.35	5.01	Pass
138	5690 For U-NII-2C	-2.08	-2.10	-3.78	-3.19	0.35	3.64	5.01	Pass

Note:

- 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.
- For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (11.51 - 6) = 5.49\text{dBm}$.
For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (11.99 - 6) = 5.01\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE80+80)

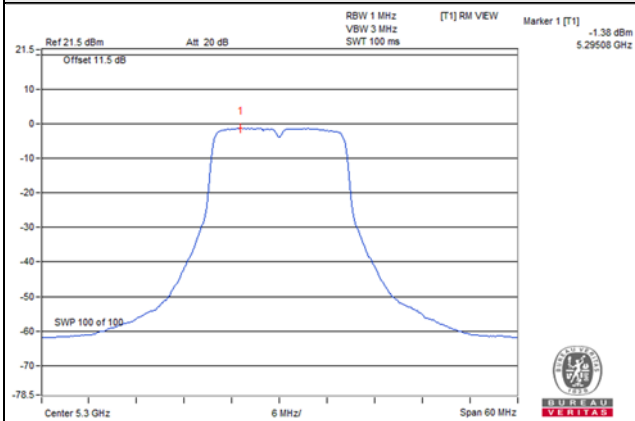
Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	-1.95	-2.99	-	-	0.27	0.84	11.49	Pass
58	5290	-	-	-2.04	-2.58	0.27	0.98	5.49	Pass
106	5530	-1.48	-2.90	-	-	0.27	1.15	5.01	Pass
122	5610	-	-	-2.44	-2.66	0.27	0.73	5.01	Pass

Note:

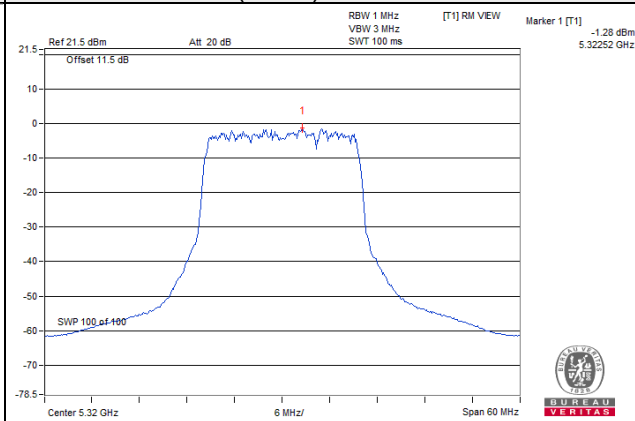
- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- For U-NII-1: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $17 - (11.51 - 6) = 11.49\text{dBm}$.
For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (11.51 - 6) = 5.49\text{dBm}$.
For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (11.99 - 6) = 5.01\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

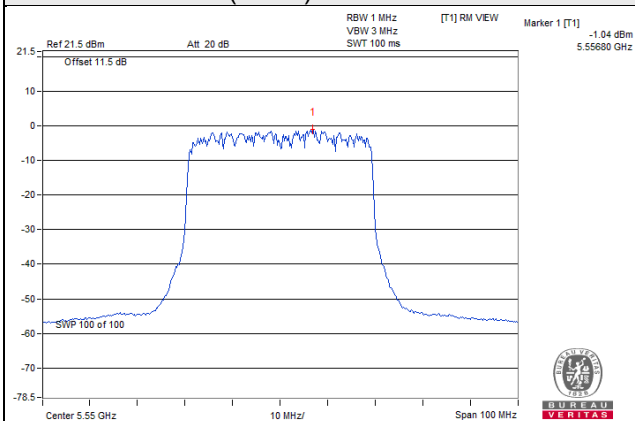
802.11a / Chain 0 / CH 60



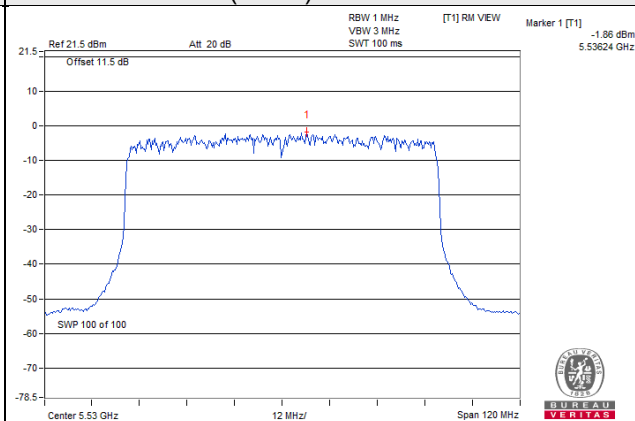
802.11ax (HE20) / Chain 3 / CH 64



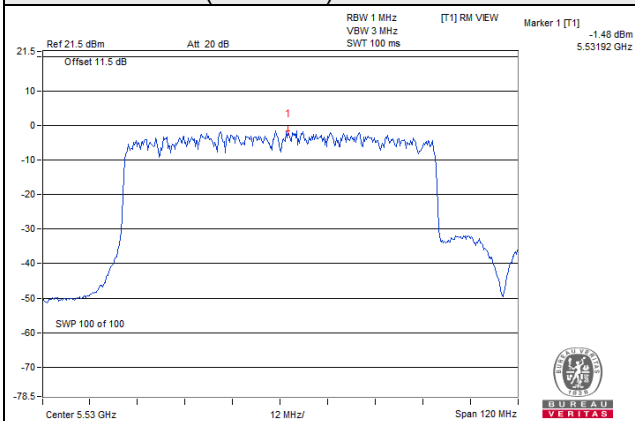
802.11ax (HE40) / Chain 3 / CH 110



802.11ax (HE80) / Chain 1 / CH 106



802.11ax (HE80+80) / Chain 0 / CH 106



Test Mode A

5G traffic radio: Beamforming Mode

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				
52	5260	-2.17	-2.64	-2.97	-1.05	0.25	4.13	5.49	Pass
60	5300	-1.94	-2.15	-1.98	-2.56	0.25	4.12	5.49	Pass
64	5320	-2.00	-2.16	-1.60	-2.13	0.25	4.30	5.49	Pass
100	5500	-1.89	-1.82	-2.62	-2.64	0.25	4.05	5.01	Pass
116	5580	-1.43	-1.87	-3.06	-2.77	0.25	4.04	5.01	Pass
140	5700	-1.23	-1.98	-2.35	-1.86	0.25	4.43	5.01	Pass
144	5720 For U-NII-2C	-3.19	-1.35	-3.42	-2.54	0.25	3.72	5.01	Pass

Note:

- 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.
- For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (11.51 - 6) = 5.49\text{dBm}$.
For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (11.99 - 6) = 5.01\text{dBm}$.
- 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				
54	5270	-6.70	-6.92	-6.53	-6.84	0.31	-0.41	5.49	Pass
62	5310	-7.15	-6.32	-7.03	-6.54	0.31	-0.42	5.49	Pass
102	5510	-9.61	-7.05	-6.97	-6.79	0.31	-1.14	5.01	Pass
110	5550	-6.77	-8.16	-8.06	-7.69	0.31	-1.30	5.01	Pass
134	5670	-5.92	-8.73	-8.26	-6.80	0.31	-0.95	5.01	Pass
142	5710 For U-NII-2C	-5.68	-5.37	-5.67	-4.71	0.31	0.99	5.01	Pass

Note:

- 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.
- For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (11.51 - 6) = 5.49\text{dBm}$.
For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (11.99 - 6) = 5.01\text{dBm}$.
- 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				
58	5290	-9.66	-9.56	-9.71	-9.24	0.35	-3.17	5.49	Pass
106	5530	-9.51	-9.09	-9.76	-9.57	0.35	-3.11	5.01	Pass
122	5610	-9.79	-10.01	-10.49	-9.90	0.35	-3.67	5.01	Pass
138	5690 For U-NII-2C	-9.08	-9.75	-7.95	-7.95	0.35	-2.25	5.01	Pass

Note:

- 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.
- For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $11 - (11.51 - 6) = 5.49 \text{dBm}$.
For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $11 - (11.99 - 6) = 5.01 \text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE80+80)

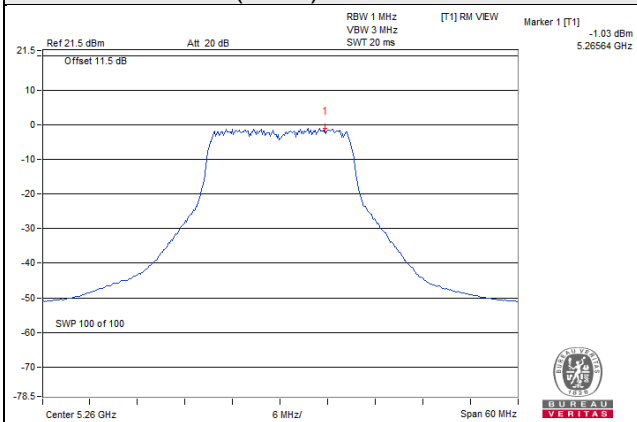
Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	-10.29	-9.79	-	-	0.27	-6.75	11.49	Pass
58	5290	-	-	-8.20	-8.01	0.27	-4.82	5.49	Pass
106	5530	-9.02	-8.23	-	-	0.27	-5.33	5.01	Pass
122	5610	-	-	-11.49	-9.20	0.27	-6.92	5.01	Pass

Note:

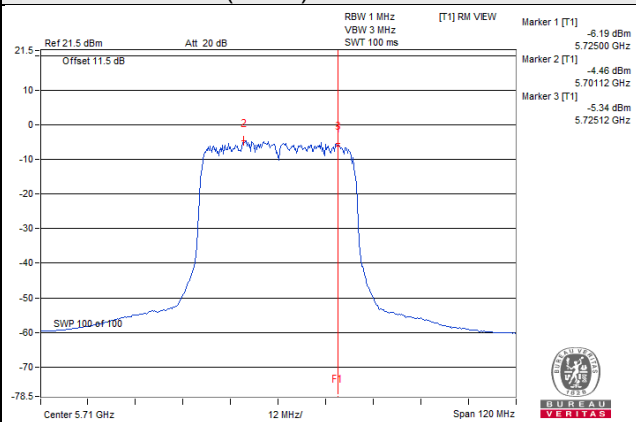
- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- For U-NII-1: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51 \text{dBi} > 6 \text{dBi}$, so the power density limit shall be reduced to $17 - (11.51 - 6) = 11.49 \text{dBm}$.
For U-NII-2A: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.51 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $11 - (11.51 - 6) = 5.49 \text{dBm}$.
For U-NII-2C: Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.99 \text{dBi} > 6 \text{dBi}$, so the limit shall be reduced to $11 - (11.99 - 6) = 5.01 \text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

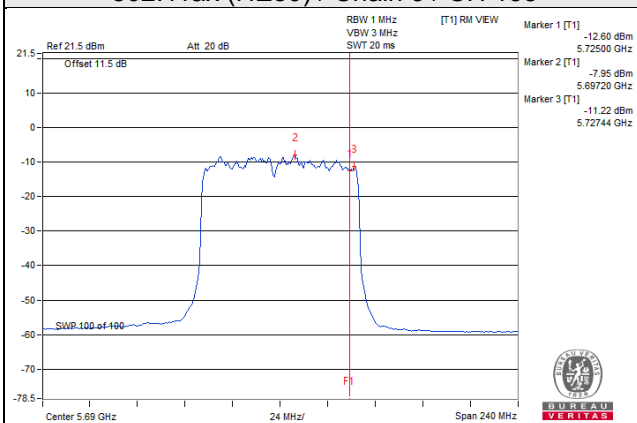
802.11ax (HE20) / Chain 3 / CH 52



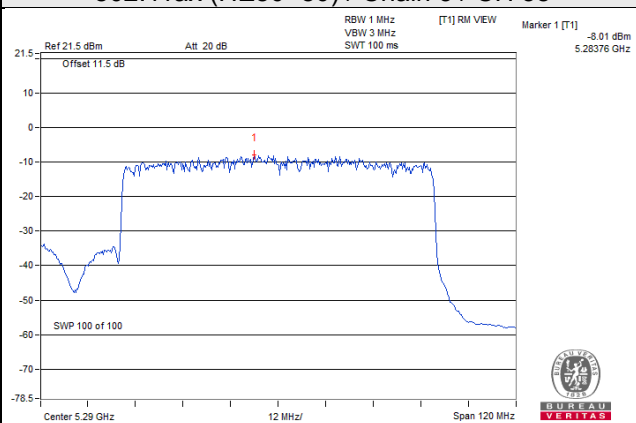
802.11ax (HE40) / Chain 3 / CH 142



802.11ax (HE80) / Chain 3 / CH 138



802.11ax (HE80+80) / Chain 3 / CH 58



Test Mode A

Scanning radio: CDD Mode

802.11a

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD With Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
52	5260	-0.84	0.23	-0.61	11	Pass
60	5300	-0.85	0.23	-0.62	11	Pass
64	5320	-0.96	0.23	-0.73	11	Pass
100	5500	-1.01	0.23	-0.78	11	Pass
116	5580	-1.16	0.23	-0.93	11	Pass
140	5700	-1.35	0.23	-1.12	11	Pass
144	5720 For U-NII-2C	0.25	0.23	0.48	11	Pass

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

802.11n (HT20)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD With Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
52	5260	-1.32	0.28	-1.04	11	Pass
60	5300	-1.31	0.28	-1.03	11	Pass
64	5320	-1.43	0.28	-1.15	11	Pass
100	5500	-1.36	0.28	-1.08	11	Pass
116	5580	-1.54	0.28	-1.26	11	Pass
140	5700	-1.78	0.28	-1.50	11	Pass
144	5720 For U-NII-2C	-0.38	0.28	-0.10	11	Pass

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

802.11n (HT40)

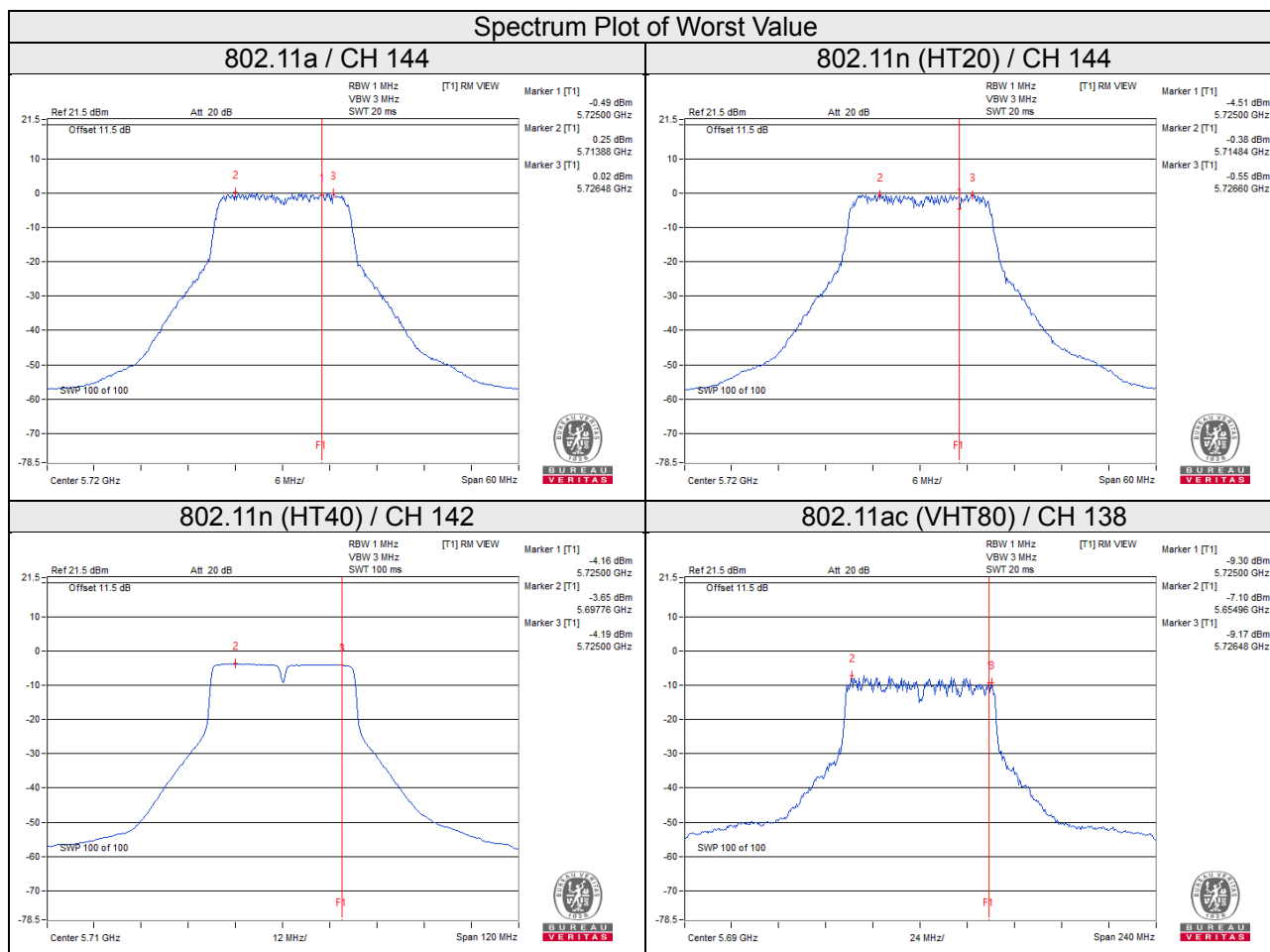
Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD With Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
54	5270	-4.71	0.41	-4.30	11	Pass
62	5310	-4.67	0.41	-4.26	11	Pass
102	5510	-4.79	0.41	-4.38	11	Pass
110	5550	-4.78	0.41	-4.37	11	Pass
134	5670	-4.96	0.41	-4.55	11	Pass
142	5710 For U-NII-2C	-3.65	0.41	-3.24	11	Pass

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

802.11ac (VHT80)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD With Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
58	5290	-8.32	0.68	-7.64	11	Pass
106	5530	-8.30	0.68	-7.62	11	Pass
122	5610	-8.55	0.68	-7.87	11	Pass
138	5690 For U-NII-2C	-7.10	0.68	-6.42	11	Pass

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



For U-NII-3 band:

Test Mode A

5G traffic radio: CDD Mode

802.11a

TX chain	Chan.	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	144	5720 For U-NII-3	-8.71	-6.49	6.02	0.30	-0.17	24.65	Pass
1	144	5720 For U-NII-3	-8.20	-5.98	6.02	0.30	0.34	24.65	Pass
2	144	5720 For U-NII-3	-7.49	-5.27	6.02	0.30	1.05	24.65	Pass
3	144	5720 For U-NII-3	-8.24	-6.02	6.02	0.30	0.30	24.65	Pass

Note:

1. Method 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. For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (11.35 - 6) = 24.65\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE20)

TX chain	Chan.	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	144	5720 For U-NII-3	-7.86	-5.64	6.02	0.25	0.63	24.65	Pass
1	144	5720 For U-NII-3	-7.83	-5.61	6.02	0.25	0.66	24.65	Pass
2	144	5720 For U-NII-3	-10.86	-8.64	6.02	0.25	-2.37	24.65	Pass
3	144	5720 For U-NII-3	-8.36	-6.14	6.02	0.25	0.13	24.65	Pass

Note:

1. Method 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. For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (11.35 - 6) = 24.65\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE40)

TX chain	Chan.	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	-7.86	-5.64	6.02	0.31	1.57	24.65	Pass
1	142	5710 For U-NII-3	-9.21	-6.99	6.02	0.31	0.99	24.65	Pass
2	142	5710 For U-NII-3	-8.81	-6.59	6.02	0.31	1.57	24.65	Pass
3	142	5710 For U-NII-3	-7.77	-5.55	6.02	0.31	0.99	24.65	Pass

Note:

- Method 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.
- For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (11.35 - 6) = 24.65\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE80)

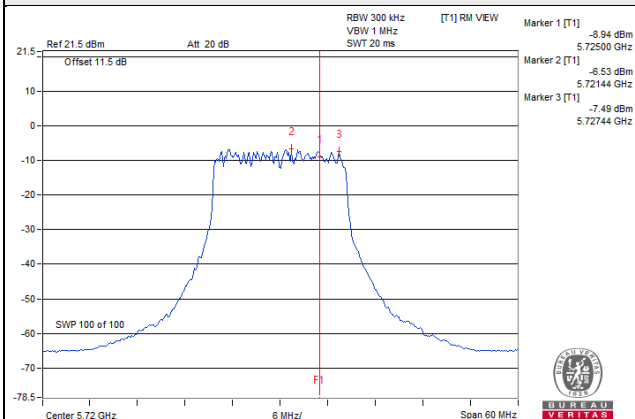
TX chain	Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/ 300kHz)	(dBm/ 500kHz)					
0	138	5690 For U-NII-3	-10.85	-8.63	6.02	0.35	-2.26	24.65	Pass
1	138	5690 For U-NII-3	-11.14	-8.92	6.02	0.35	-2.55	24.65	Pass
2	138	5690 For U-NII-3	-9.69	-7.47	6.02	0.35	-1.10	24.65	Pass
3	138	5690 For U-NII-3	-9.45	-7.23	6.02	0.35	-0.86	24.65	Pass

Note:

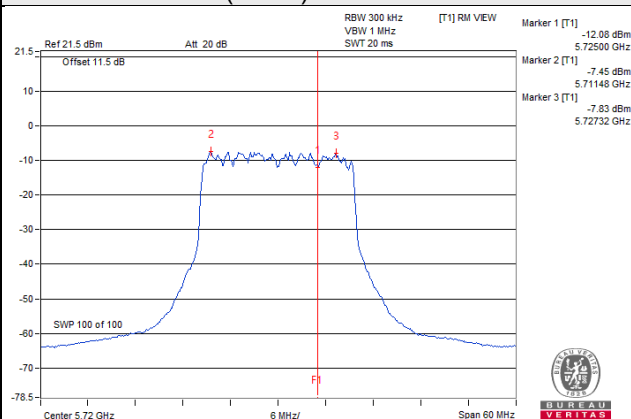
- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (11.35 - 6) = 24.65\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

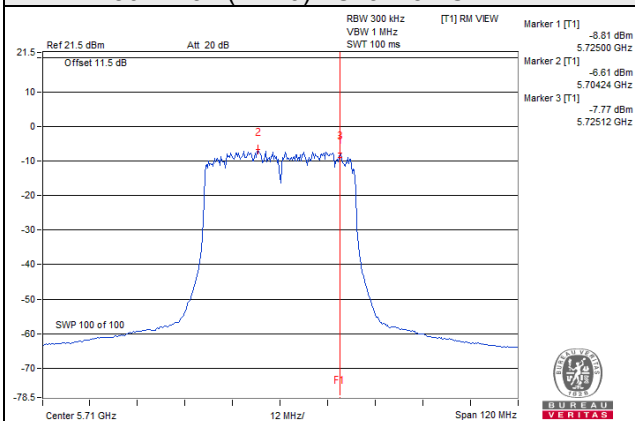
802.11a / Chain 2 / CH 144



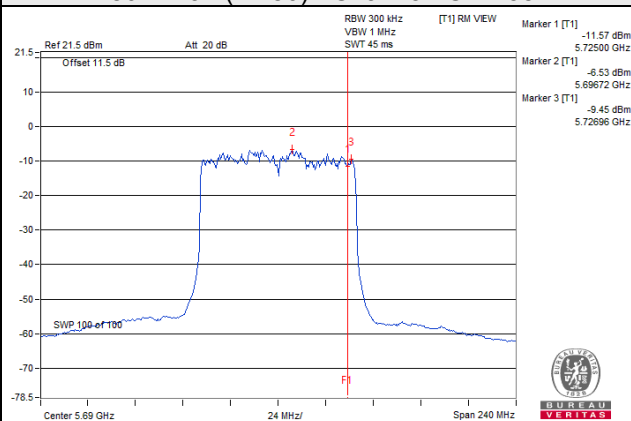
802.11ax (HE20) / Chain 1 / CH 144



802.11ax (HE40) / Chain 3 / CH 142



802.11ax (HE80) / Chain 3 / CH 138



Test Mode A

5G traffic radio: Beamforming Mode

802.11ax (HE20)

TX chain	Chan.	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	144	5720 For U-NII-3	-8.50	-6.28	6.02	0.25	-0.01	24.65	Pass
1	144	5720 For U-NII-3	-8.47	-6.25	6.02	0.25	0.02	24.65	Pass
2	144	5720 For U-NII-3	-8.39	-6.17	6.02	0.25	0.10	24.65	Pass
3	144	5720 For U-NII-3	-7.94	-5.72	6.02	0.25	0.55	24.65	Pass

Note:

- Method 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.
- For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35 \text{dBi} > 6 \text{dBi}$, so the power density limit shall be reduced to $30 - (11.35 - 6) = 24.65 \text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE40)

TX chain	Chan.	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	-10.72	-8.50	6.02	0.31	-2.17	24.65	Pass
1	142	5710 For U-NII-3	-11.15	-8.93	6.02	0.31	-2.60	24.65	Pass
2	142	5710 For U-NII-3	-11.47	-9.25	6.02	0.31	-2.92	24.65	Pass
3	142	5710 For U-NII-3	-11.33	-9.11	6.02	0.31	-2.78	24.65	Pass

Note:

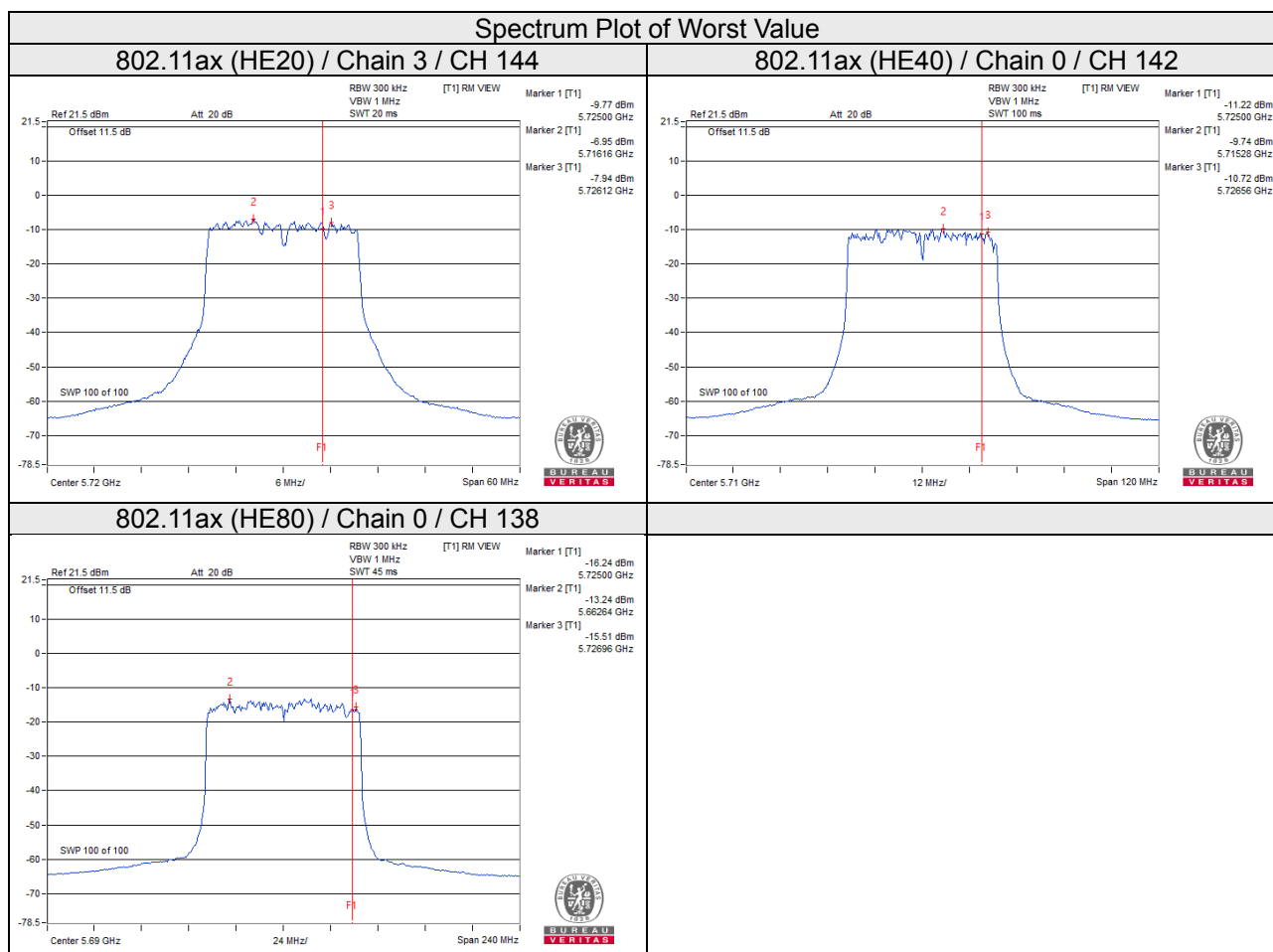
- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35 \text{dBi} > 6 \text{dBi}$, so the power density limit shall be reduced to $30 - (11.35 - 6) = 24.65 \text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE80)

TX chain	Chan.	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	-15.51	-13.29	6.02	0.35	-6.92	24.65	Pass
1	138	5690 For U-NII-3	-15.92	-13.70	6.02	0.35	-7.33	24.65	Pass
2	138	5690 For U-NII-3	-15.53	-13.31	6.02	0.35	-6.94	24.65	Pass
3	138	5690 For U-NII-3	-17.29	-15.07	6.02	0.35	-8.70	24.65	Pass

Note:

- Method 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.
- For U-NII-3: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/4] = 11.35\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (11.35 - 6) = 24.65\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.



Test Mode A

Scanning radio: CDD Mode

802.11a

Chan.	Freq. (MHz)	PSD (dBm/300k Hz)	PSD (dBm/500k Hz)	Duty factor	Total PSD (dBm/500k Hz)	Limit (dBm/500k Hz)	Pass / Fail
144	5720 For U-NII-3	-5.29	-3.07	0.23	-2.84	30.00	Pass

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

802.11n (HT20)

Chan.	Freq. (MHz)	PSD (dBm/300k Hz)	PSD (dBm/500k Hz)	Duty factor	Total PSD (dBm/500k Hz)	Limit (dBm/500k Hz)	Pass / Fail
144	5720 For U-NII-3	-5.92	-3.70	0.28	-3.42	30.00	Pass

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

802.11n (HT40)

Chan.	Freq. (MHz)	PSD (dBm/300k Hz)	PSD (dBm/500k Hz)	Duty factor	Total PSD (dBm/500k Hz)	Limit (dBm/500k Hz)	Pass / Fail
142	5710 For U-NII-3	-9.28	-7.06	0.41	-6.65	30.00	Pass

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

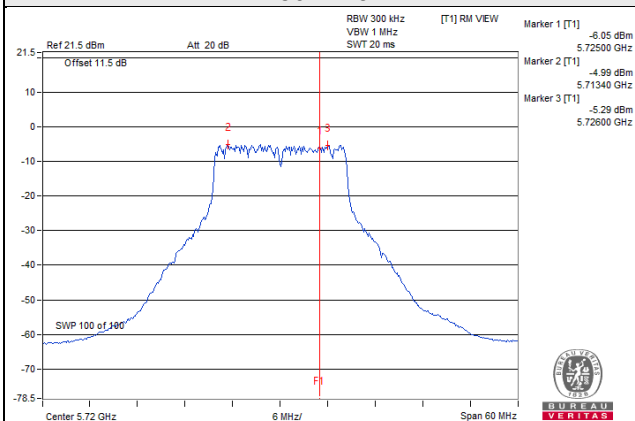
802.11ac (VHT80)

Chan.	Freq. (MHz)	PSD (dBm/300k Hz)	PSD (dBm/500k Hz)	Duty factor	Total PSD (dBm/500k Hz)	Limit (dBm/500k Hz)	Pass / Fail
138	5690 For U-NII-3	-12.10	-9.88	0.68	-9.20	30.00	Pass

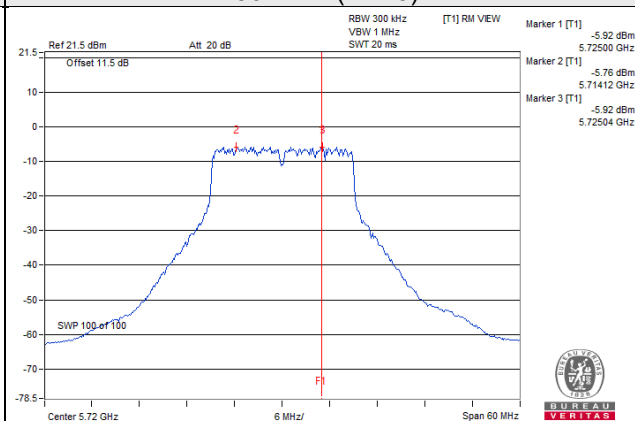
Note: Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

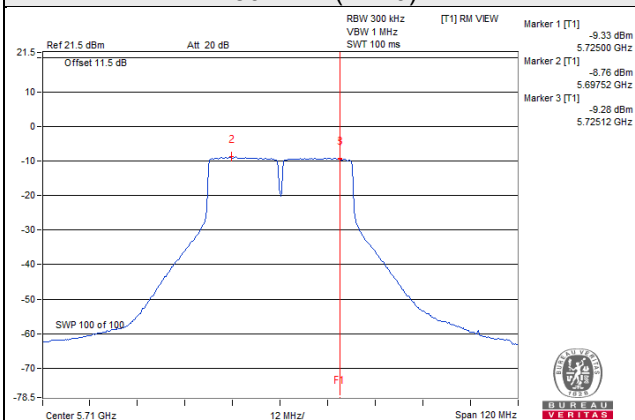
802.11a



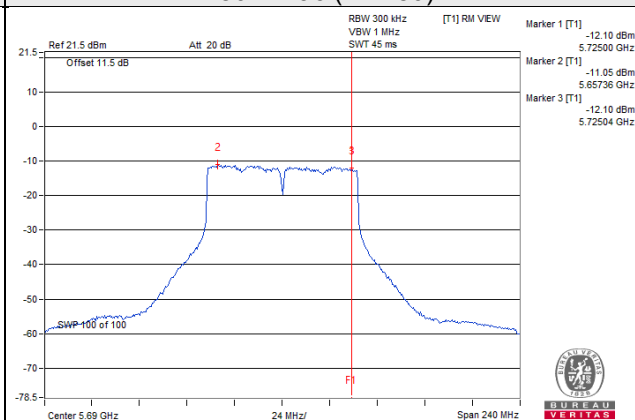
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



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

Test Mode C

5G traffic radio: CDD Mode

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				
52	5260	-2.35	-0.41	-3.44	-1.47	0.32	4.57	4.97	Pass
60	5300	-1.57	-1.94	-2.22	-3.21	0.32	4.15	4.97	Pass
64	5320	-4.23	-1.24	-0.93	-1.16	0.32	4.64	4.97	Pass
100	5500	-2.22	-3.02	-0.45	-1.76	0.32	4.58	4.80	Pass
116	5580	-1.26	-2.82	-1.20	-1.30	0.32	4.75	4.80	Pass
140	5700	-1.31	-1.91	-2.49	-2.82	0.32	4.25	4.80	Pass
144	5720 For U-NII-2C	-1.08	-2.55	-1.50	-2.64	0.32	4.45	4.80	Pass

Note:

- 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.
- For U-NII-2A: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (12.03 - 6) = 4.97\text{dBm}$.
For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (12.20 - 6) = 4.80\text{dBm}$.
- 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				
52	5260	-2.92	-1.06	-0.95	-2.72	0.28	4.48	4.97	Pass
60	5300	-2.24	-1.75	-3.24	-1.09	0.28	4.29	4.97	Pass
64	5320	-1.38	-3.58	-1.44	-2.78	0.28	4.10	4.97	Pass
100	5500	-1.10	-2.64	-1.60	-1.81	0.28	4.55	4.80	Pass
116	5580	-1.53	-2.12	-2.51	-1.43	0.28	4.43	4.80	Pass
140	5700	-0.45	-3.24	-1.24	-3.33	0.28	4.42	4.80	Pass
144	5720 For U-NII-2C	-1.01	-3.41	-3.45	-1.60	0.28	4.07	4.80	Pass

Note:

- 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.
- For U-NII-2A: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (12.03 - 6) = 4.97\text{dBm}$.
For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (12.20 - 6) = 4.80\text{dBm}$.
- 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				
54	5270	-2.41	-3.43	-1.13	-1.76	0.21	4.13	4.97	Pass
62	5310	-1.89	-3.53	-2.96	-2.17	0.21	3.64	4.97	Pass
102	5510	-3.66	-1.97	-4.41	-1.46	0.21	3.52	4.80	Pass
110	5550	-1.97	-1.16	-3.02	-3.53	0.21	3.91	4.80	Pass
134	5670	-1.71	-4.79	-1.67	-0.98	0.21	4.16	4.80	Pass
142	5710 For U-NII-2C	-3.07	-1.82	-1.25	-3.11	0.21	3.99	4.80	Pass

Note:

- 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.
- For U-NII-2A: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (12.03 - 6) = 4.97\text{dBm}$.
For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (12.20 - 6) = 4.80\text{dBm}$.
- 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				
58	5290	-4.17	-3.32	-4.01	-2.21	0.27	2.93	4.97	Pass
106	5530	-3.19	-2.75	-2.50	-4.38	0.27	3.14	4.80	Pass
122	5610	-1.92	-3.58	-1.98	-1.19	0.27	4.21	4.80	Pass
138	5690 For U-NII-2C	-3.16	-1.60	-0.92	-3.99	0.27	4.04	4.80	Pass

Note:

- 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.
- For U-NII-2A: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (12.03 - 6) = 4.97\text{dBm}$.
For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (12.20 - 6) = 4.80\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE80+80)

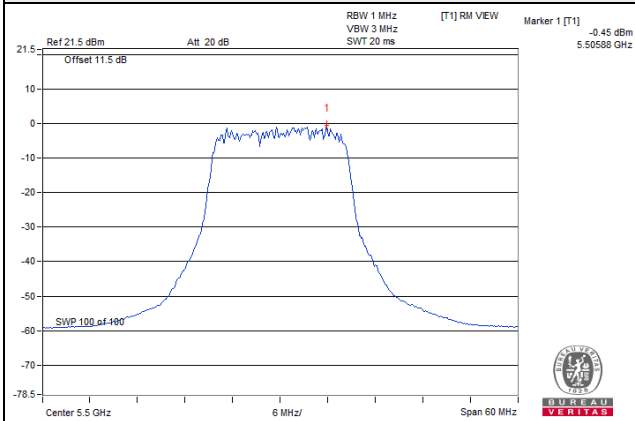
Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	-7.81	-8.51	-	-	0.27	-4.87	10.97	Pass
58	5290	-	-	-7.38	-9.08	0.27	-4.87	4.97	Pass
106	5530	-4.83	-3.31	-	-	0.27	-0.72	4.80	Pass
122	5610	-	-	-4.49	-4.41	0.27	-1.17	4.80	Pass

Note:

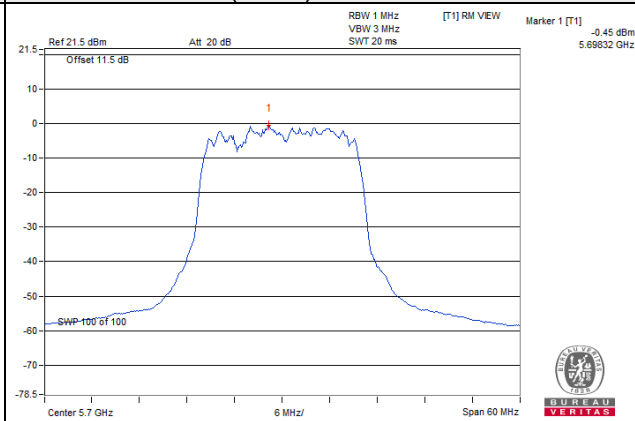
- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- For U-NII-1: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $17 - (12.03 - 6) = 10.97\text{dBm}$.
For U-NII-2A: Directional gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (12.03 - 6) = 4.97\text{dBm}$.
For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (12.20 - 6) = 4.80\text{dBm}$
- Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

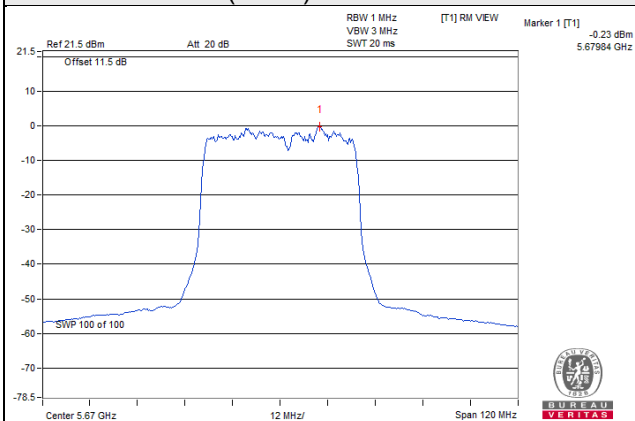
802.11a / Chain 2 / CH 100



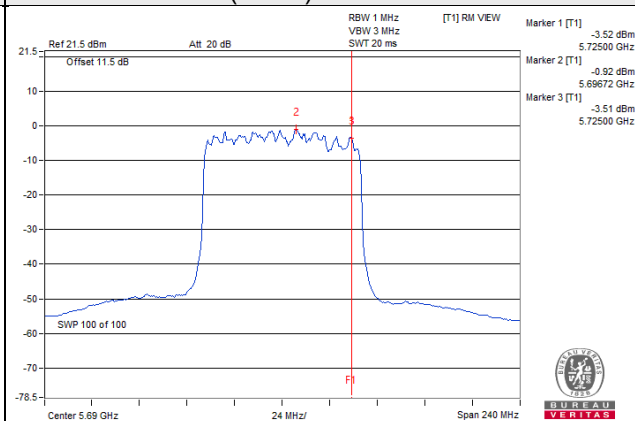
802.11ax (HE20) / Chain 0 / CH 140



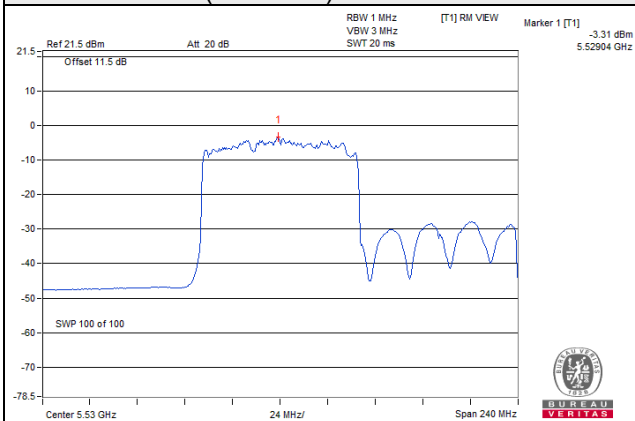
802.11ax (HE40) / Chain 3 / CH 134



802.11ax (HE80) / Chain 2 / CH 138



802.11ax (HE80+80) / Chain 1 / CH 106



Test Mode C

5G traffic radio: Beamforming Mode

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				
52	5260	-0.26	-1.49	-2.55	-2.11	0.27	4.78	4.97	Pass
60	5300	-0.63	-1.18	-2.05	-3.00	0.27	4.67	4.97	Pass
64	5320	-2.65	-4.14	-2.49	-0.60	0.27	4.01	4.97	Pass
100	5500	-2.44	-0.39	-2.21	-4.07	0.27	4.21	4.80	Pass
116	5580	-1.72	-2.99	-2.85	-0.99	0.27	4.23	4.80	Pass
140	5700	-3.36	-3.04	-0.56	-1.16	0.27	4.42	4.80	Pass
144	5720 For U-NII-2C	-1.95	-1.98	-3.09	-1.39	0.27	4.23	4.80	Pass

Note:

- 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.
- For U-NII-2A: Directional Gain = 6.01dBi + 10log(4) = 12.03dBi > 6dBi, so the limit shall be reduced to 11-(12.03-6) = 4.97dBm.
For U-NII-2C: Directional Gain = 6.18dBi + 10log(4) = 12.20dBi > 6dBi, so the limit shall be reduced to 11-(12.20-6) = 4.80dBm.
- 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				
54	5270	-5.37	-7.02	-7.52	-8.31	0.35	-0.55	4.97	Pass
62	5310	-7.58	-7.04	-6.98	-5.95	0.35	-0.48	4.97	Pass
102	5510	-7.08	-4.76	-5.85	-8.18	0.35	0.09	4.80	Pass
110	5550	-5.93	-4.78	-5.47	-7.25	0.35	0.60	4.80	Pass
134	5670	-6.46	-6.61	-5.36	-5.77	0.35	0.35	4.80	Pass
142	5710 For U-NII-2C	-3.62	-3.66	-3.72	-6.38	0.35	2.17	4.80	Pass

Note:

- 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.
- For U-NII-2A: Directional Gain = 6.01dBi + 10log(4) = 12.03dBi > 6dBi, so the limit shall be reduced to 11-(12.03-6) = 4.97dBm.
For U-NII-2C: Directional Gain = 6.18dBi + 10log(4) = 12.20dBi > 6dBi, so the limit shall be reduced to 11-(12.20-6) = 4.80dBm.
- 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				
58	5290	-9.26	-8.90	-9.29	-8.07	0.22	-2.61	4.97	Pass
106	5530	-8.13	-9.53	-9.48	-8.45	0.22	-2.61	4.80	Pass
122	5610	-7.03	-9.73	-8.20	-8.58	0.22	-2.04	4.80	Pass
138	5690 For U-NII-2C	-8.33	-7.85	-7.13	-8.78	0.22	-1.74	4.80	Pass

Note:

- 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.
- For U-NII-2A: Directional Gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (12.03 - 6) = 4.97\text{dBm}$.
For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (12.20 - 6) = 4.80\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

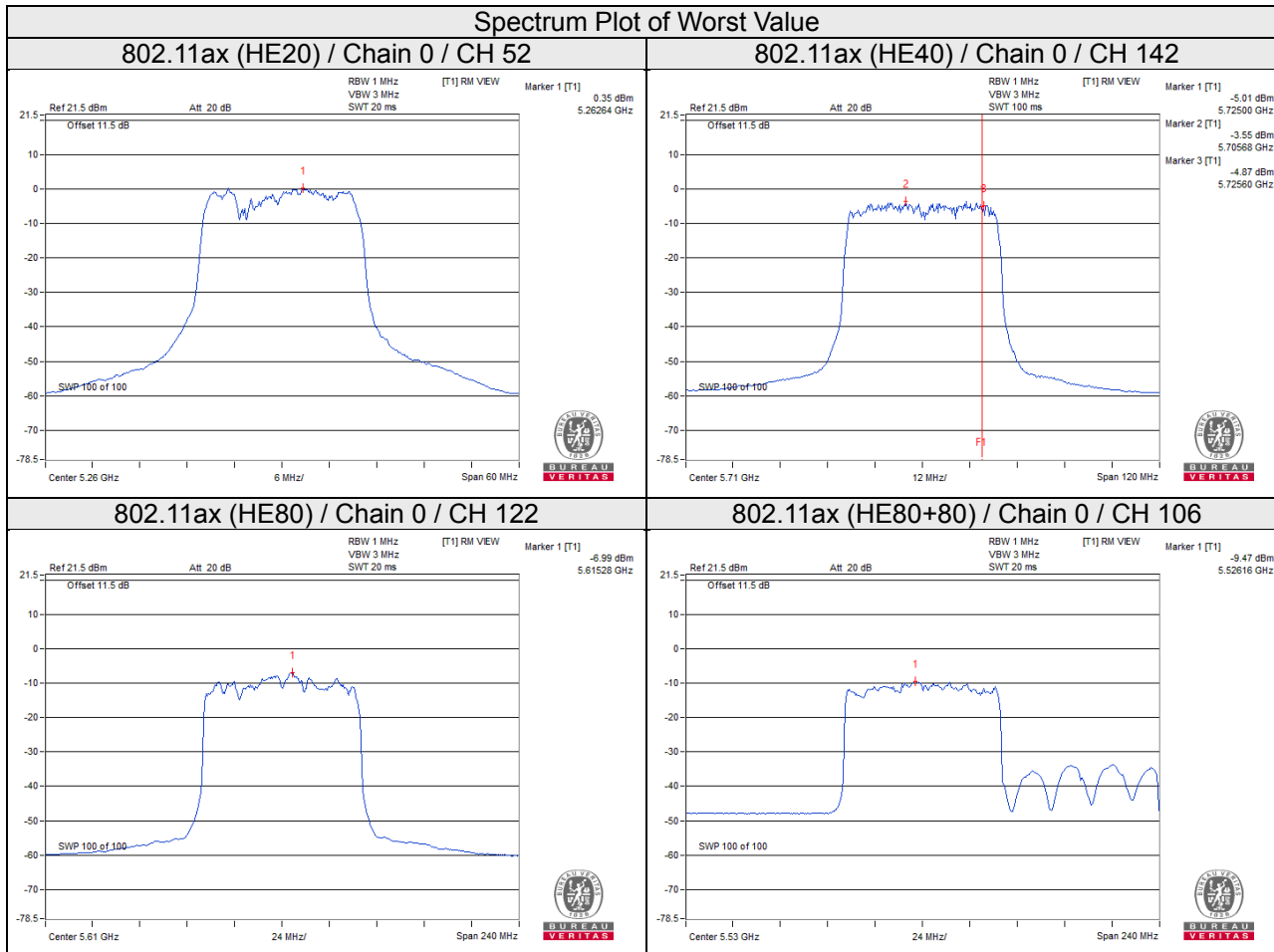
802.11ax (HE80+80)

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	-13.25	-13.60	-	-	0.27	-10.14	10.70	Pass
58	5290	-	-	-12.38	-12.76	0.27	-9.29	4.97	Pass
106	5530	-9.78	-10.22	-	-	0.27	-6.71	4.80	Pass
122	5610	-	-	-10.86	-10.42	0.27	-7.35	4.80	Pass

Note:

- 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.
- For U-NII-1: Directional Gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $17 - (12.30 - 6) = 10.70\text{dBm}$.
For U-NII-2A: Directional Gain = $6.01\text{dBi} + 10\log(4) = 12.03\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (12.03 - 6) = 4.97\text{dBm}$.
For U-NII-2C: Directional Gain = $6.18\text{dBi} + 10\log(4) = 12.20\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (12.20 - 6) = 4.80\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value



Test Mode C

Scanning radio: CDD Mode

802.11a

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD With Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
52	5260	-1.23	0.27	-0.96	10.99	Pass
60	5300	-1.04	0.27	-0.77	10.99	Pass
64	5320	-1.16	0.27	-0.89	10.99	Pass
100	5500	-0.60	0.27	-0.33	10.82	Pass
116	5580	-1.53	0.27	-1.26	10.82	Pass
140	5700	-1.48	0.27	-1.21	10.82	Pass
144	5720 For U-NII-2C	-0.79	0.27	-0.52	10.82	Pass

Note:

- For U-NII-2A: Directional gain = 6.01dBi > 6dBi, so the power density limit shall be reduced to 11-(6.01-6) = 10.99dBm.
For U-NII-2C: Directional Gain = 6.18dBi > 6dBi, so the limit shall be reduced to 11-(6.18-6) = 10.82dBm.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD With Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
52	5260	-1.54	0.20	-1.34	10.99	Pass
60	5300	-1.45	0.20	-1.25	10.99	Pass
64	5320	-1.35	0.20	-1.15	10.99	Pass
100	5500	-1.01	0.20	-0.81	10.82	Pass
116	5580	-1.89	0.20	-1.69	10.82	Pass
140	5700	-1.76	0.20	-1.56	10.82	Pass
144	5720 For U-NII-2C	-0.99	0.20	-0.79	10.82	Pass

Note:

- For U-NII-2A: Directional gain = 6.01dBi > 6dBi, so the power density limit shall be reduced to 11-(6.01-6) = 10.99dBm.
For U-NII-2C: Directional Gain = 6.18dBi > 6dBi, so the limit shall be reduced to 11-(6.18-6) = 10.82dBm.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT40)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD With Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
54	5270	-4.88	0.42	-4.46	10.99	Pass
62	5310	-4.72	0.42	-4.30	10.99	Pass
102	5510	-5.00	0.42	-4.58	10.82	Pass
110	5550	-4.46	0.42	-4.04	10.82	Pass
134	5670	-5.77	0.42	-5.35	10.82	Pass
142	5710 For U-NII-2C	-4.36	0.42	-3.94	10.82	Pass

Note:

1. For U-NII-2A: Directional gain = 6.01dBi > 6dBi, so the power density limit shall be reduced to 11-(6.01-6) = 10.99dBm.

For U-NII-2C: Directional Gain = 6.18dBi > 6dBi, so the limit shall be reduced to 11-(6.18-6) = 10.82dBm.

2. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD With Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
58	5290	-11.30	0.71	-10.59	10.99	Pass
106	5530	-8.20	0.71	-7.49	10.82	Pass
122	5610	-9.41	0.71	-8.70	10.82	Pass
138	5690 For U-NII-2C	-8.79	0.71	-8.08	10.82	Pass

Note:

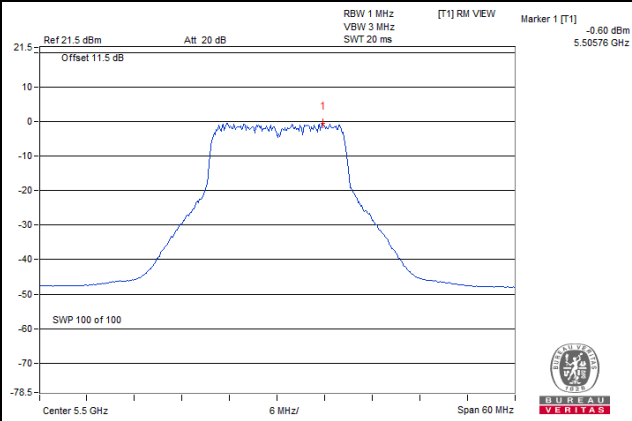
1. For U-NII-2A: Directional gain = 6.01dBi > 6dBi, so the power density limit shall be reduced to 11-(6.01-6) = 10.99dBm.

For U-NII-2C: Directional Gain = 6.18dBi > 6dBi, so the limit shall be reduced to 11-(6.18-6) = 10.82dBm.

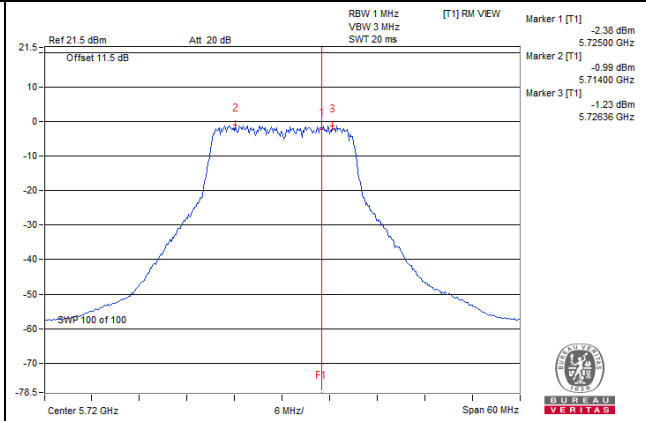
2. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

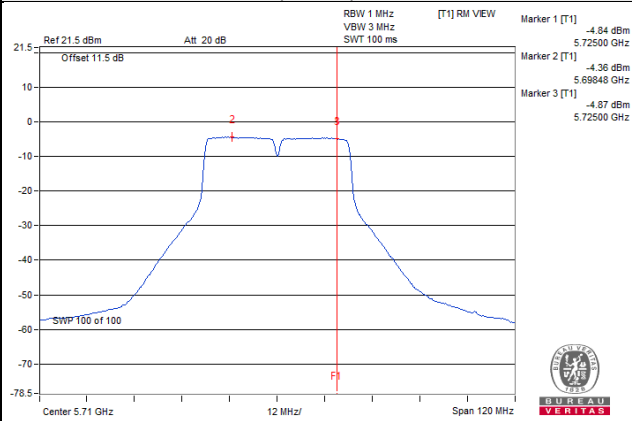
802.11a / CH 100



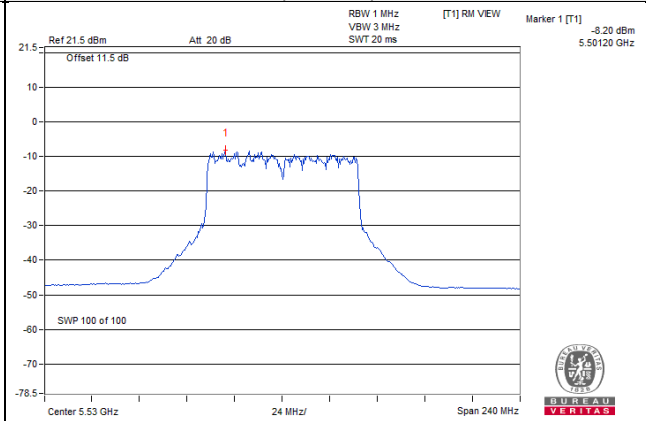
802.11n (HT20) / CH 144



802.11n (HT40) / CH 142



802.11ac (VHT80) / CH 106



For U-NII-3 band:

Test Mode C

5G traffic radio: CDD Mode

802.11a

TX chain	Chan.	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	144	5720 For U-NII-3	-10.78	-8.56	6.02	0.32	-2.22	23.78	Pass
1	144	5720 For U-NII-3	-8.85	-6.63	6.02	0.32	-0.29	23.78	Pass
2	144	5720 For U-NII-3	-10.92	-8.70	6.02	0.32	-2.36	23.78	Pass
3	144	5720 For U-NII-3	-9.26	-7.04	6.02	0.32	-0.70	23.78	Pass

Note:

1. Method 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. For U-NII-3: Directional gain = 6.2dBi + 10log(4) = 12.22dBi > 6dBi, so the power density limit shall be reduced to 30-(12.22-6) = 23.78dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE20)

TX chain	Chan.	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	144	5720 For U-NII-3	-7.81	-5.59	6.02	0.28	0.71	23.78	Pass
1	144	5720 For U-NII-3	-9.14	-6.92	6.02	0.28	-0.62	23.78	Pass
2	144	5720 For U-NII-3	-8.42	-6.20	6.02	0.28	0.10	23.78	Pass
3	144	5720 For U-NII-3	-8.87	-6.65	6.02	0.28	-0.35	23.78	Pass

Note:

1. Method 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. For U-NII-3: Directional gain = 6.2dBi + 10log(4) = 12.22dBi > 6dBi, so the power density limit shall be reduced to 30-(12.22-6) = 23.78dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE40)

TX chain	Chan.	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	-8.63	-6.41	6.02	0.21	-0.18	23.78	Pass
1	142	5710 For U-NII-3	-8.27	-6.05	6.02	0.21	0.18	23.78	Pass
2	142	5710 For U-NII-3	-9.51	-7.29	6.02	0.21	-1.06	23.78	Pass
3	142	5710 For U-NII-3	-8.39	-6.17	6.02	0.21	0.06	23.78	Pass

Note:

1. Method 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. For U-NII-3: Directional gain = 6.2dBi + 10log(4) = 12.22dBi > 6dBi, so the power density limit shall be reduced to 30-(12.22-6) = 23.78dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE80)

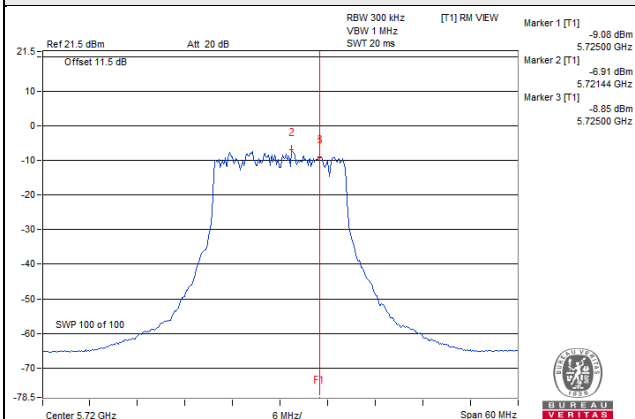
TX chain	Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/ 300kHz)	(dBm/ 500kHz)					
0	138	5690 For U-NII-3	-10.08	-7.86	6.02	0.27	-1.57	23.78	Pass
1	138	5690 For U-NII-3	-8.24	-6.02	6.02	0.27	0.27	23.78	Pass
2	138	5690 For U-NII-3	-10.03	-7.81	6.02	0.27	-1.52	23.78	Pass
3	138	5690 For U-NII-3	-8.62	-6.40	6.02	0.27	-0.11	23.78	Pass

Note:

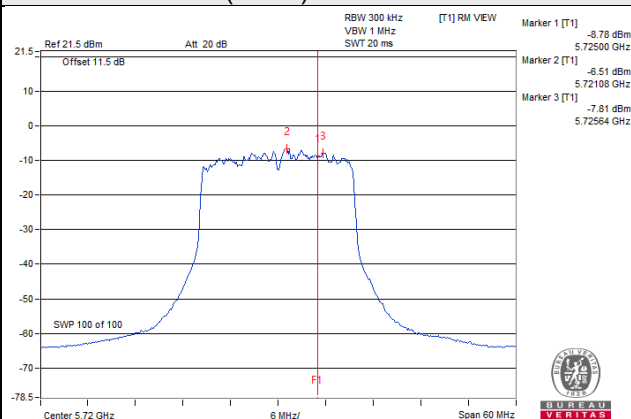
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-3: Directional gain = 6.2dBi + 10log(4) = 12.22dBi > 6dBi, so the power density limit shall be reduced to 30-(12.22-6) = 23.78dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

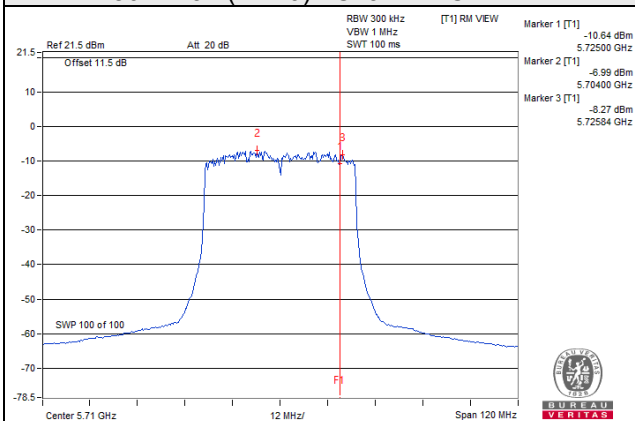
802.11a / Chain 1 / CH 144



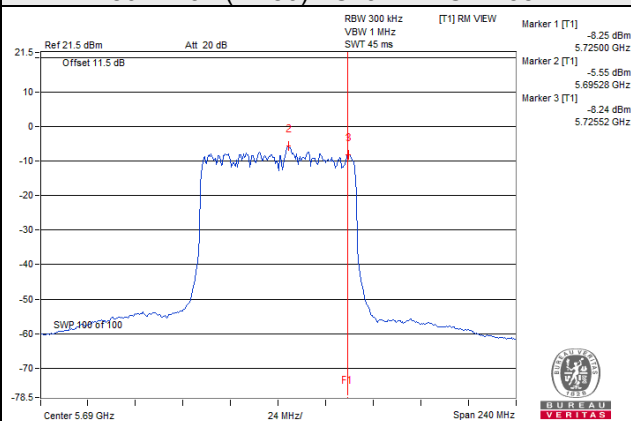
802.11ax (HE20) / Chain 0 / CH 144



802.11ax (HE40) / Chain 1 / CH 142



802.11ax (HE80) / Chain 1 / CH 138



Test Mode C

5G traffic radio: Beamforming Mode

802.11ax (HE20)

TX chain	Chan.	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	144	5720 For U-NII-3	-11.06	-8.84	6.02	0.27	-2.55	23.78	Pass
1	144	5720 For U-NII-3	-7.63	-5.41	6.02	0.27	0.88	23.78	Pass
2	144	5720 For U-NII-3	-12.09	-9.87	6.02	0.27	-3.58	23.78	Pass
3	144	5720 For U-NII-3	-11.90	-9.68	6.02	0.27	-3.39	23.78	Pass

Note:

1. Method 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. For U-NII-3: Directional gain = 6.2dBi + 10log(4) = 12.22dBi > 6dBi, so the power density limit shall be reduced to 30-(12.22-6) = 23.78dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE40)

TX chain	Chan.	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	-10.74	-8.52	6.02	0.35	-2.15	23.78	Pass
1	142	5710 For U-NII-3	-10.83	-8.61	6.02	0.35	-2.24	23.78	Pass
2	142	5710 For U-NII-3	-10.14	-7.92	6.02	0.35	-1.55	23.78	Pass
3	142	5710 For U-NII-3	-10.58	-8.36	6.02	0.35	-1.99	23.78	Pass

Note:

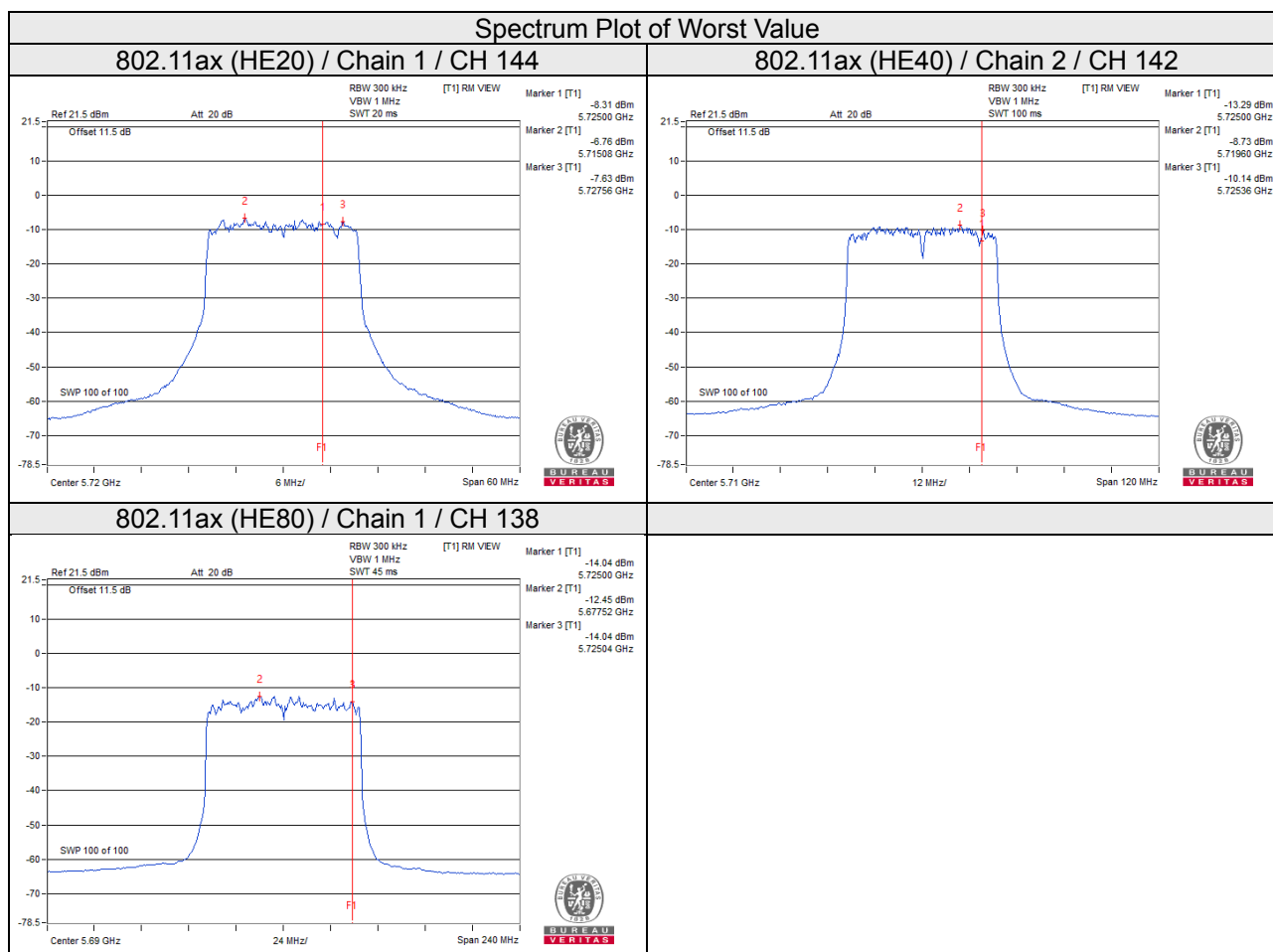
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-3: Directional gain = 6.2dBi + 10log(4) = 12.22dBi > 6dBi, so the power density limit shall be reduced to 30-(12.22-6) = 23.78dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE80)

TX chain	Chan.	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	-14.96	-12.74	6.02	0.22	-6.50	23.78	Pass
1	138	5690 For U-NII-3	-14.04	-11.82	6.02	0.22	-5.58	23.78	Pass
2	138	5690 For U-NII-3	-15.03	-12.81	6.02	0.22	-6.57	23.78	Pass
3	138	5690 For U-NII-3	-15.03	-12.81	6.02	0.22	-6.57	23.78	Pass

Note:

- Method 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.
- For U-NII-3: Directional gain = $6.2\text{dBi} + 10\log(4) = 12.22\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (12.22 - 6) = 23.78\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.



Test Mode C

Scanning radio: CDD Mode

802.11a

Chan.	Freq. (MHz)	PSD (dBm/300k Hz)	PSD (dBm/500k Hz)	Duty factor	Total PSD (dBm/500k Hz)	Limit (dBm/500k Hz)	Pass / Fail
144	5720 For U-NII-3	-6.23	-4.01	0.27	-3.74	29.8	Pass

Note:

1. For U-NII-3: Directional gain = 6.2dBi > 6dBi, so the power density limit shall be reduced to $30-(6.2-6) = 29.8$ dBm.
2. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

Chan.	Freq. (MHz)	PSD (dBm/300k Hz)	PSD (dBm/500k Hz)	Duty factor	Total PSD (dBm/500k Hz)	Limit (dBm/500k Hz)	Pass / Fail
144	5720 For U-NII-3	-6.62	-4.40	0.20	-4.20	29.8	Pass

Note:

1. For U-NII-3: Directional gain = 6.2dBi > 6dBi, so the power density limit shall be reduced to $30-(6.2-6) = 29.8$ dBm.
2. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT40)

Chan.	Freq. (MHz)	PSD (dBm/300k Hz)	PSD (dBm/500k Hz)	Duty factor	Total PSD (dBm/500k Hz)	Limit (dBm/500k Hz)	Pass / Fail
142	5710 For U-NII-3	-10.06	-7.84	0.42	-7.42	29.8	Pass

Note:

1. For U-NII-3: Directional gain = 6.2dBi > 6dBi, so the power density limit shall be reduced to $30-(6.2-6) = 29.8$ dBm.
2. Refer to section 3.3 for duty cycle spectrum plot.

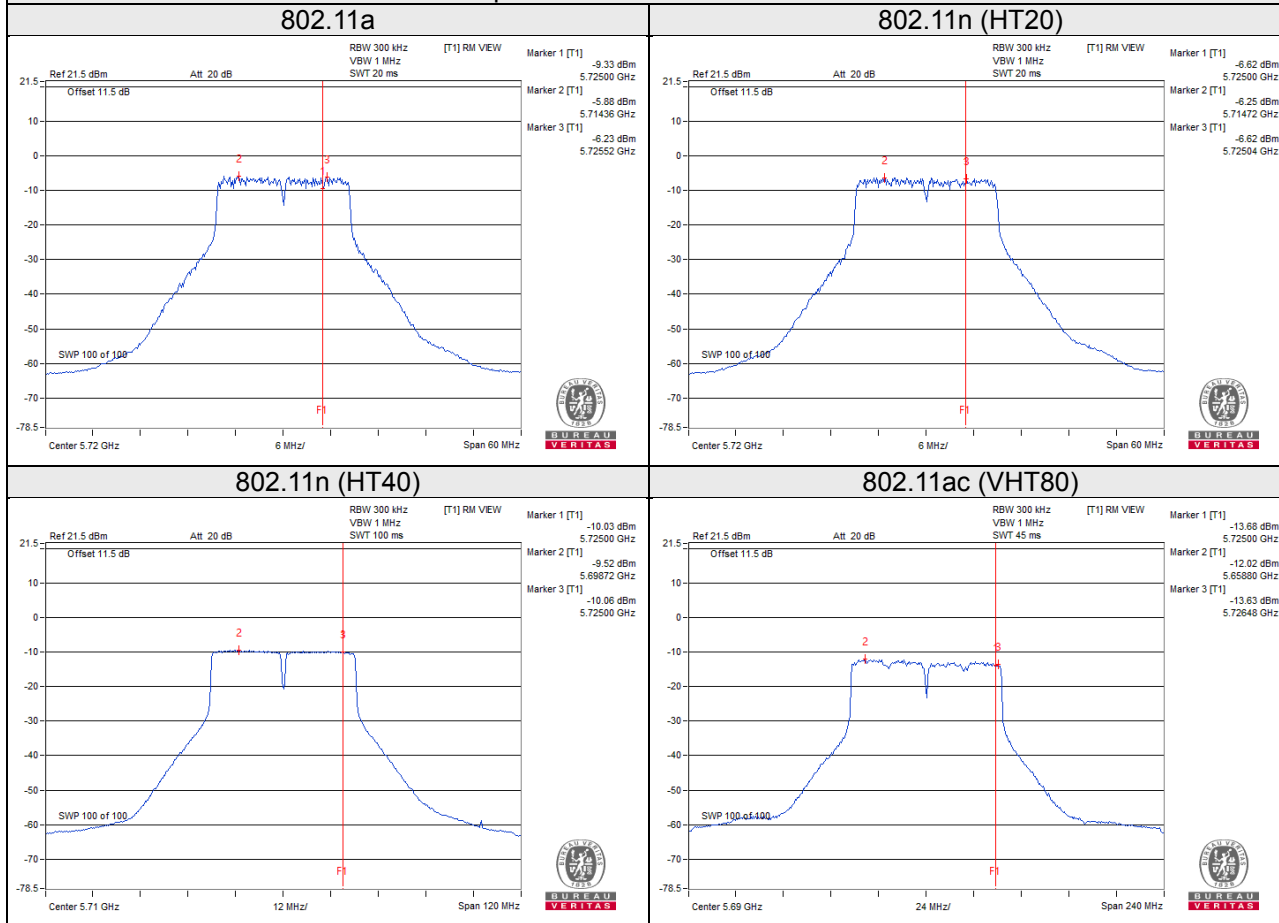
802.11ac (VHT80)

Chan.	Freq. (MHz)	PSD (dBm/300k Hz)	PSD (dBm/500k Hz)	Duty factor	Total PSD (dBm/500k Hz)	Limit (dBm/500k Hz)	Pass / Fail
138	5690 For U-NII-3	-13.63	-11.41	0.71	-10.70	29.8	Pass

Note:

1. For U-NII-3: Directional gain = 6.2dBi > 6dBi, so the power density limit shall be reduced to $30-(6.2-6) = 29.8$ dBm.
2. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

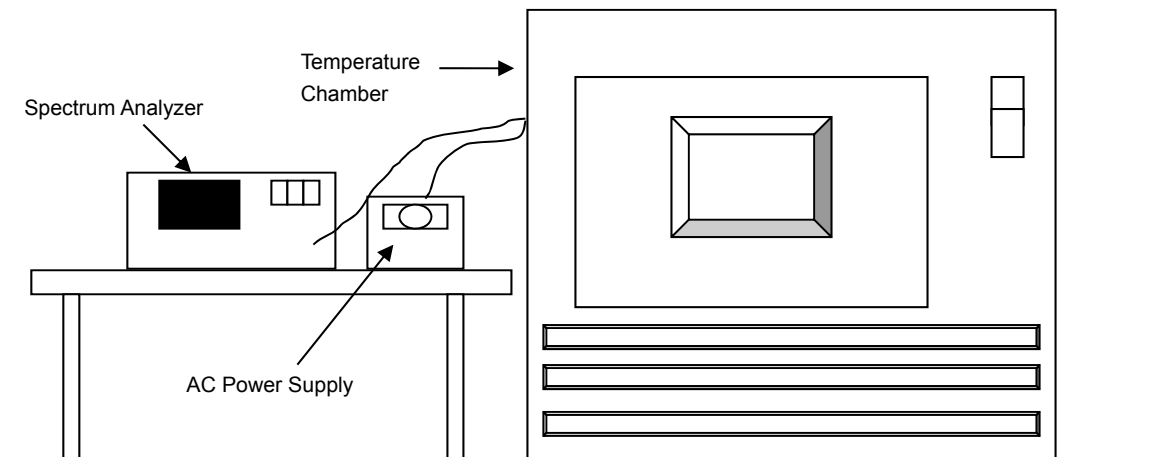


4.6 Frequency Stability

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: Jun. 05, 2020

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Jun. 12, 2019	Jun. 11, 2020
WIT Standard Temperature And Humidity Chamber	TH-4S-C	W981030	Jun. 01, 2020	May 31, 2021
Digital Multimeter Fluke	87-III	70360742	Jun. 27, 2019	Jun. 26, 2020
AC Power Supply Extech	CFW-105	E000603	NA	NA
Voltage Meter Fluke	179	89610322	Sep. 25, 2019	Sep. 24, 2020

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.6.4 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- 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.
- Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.
- 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

5G traffic radio: CDD Mode

Frequency Stability Versus Temp.									
Operating Frequency: 5260MHz									
Temp. (°C)	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	5259.9888	PASS	5259.9846	PASS	5259.9862	PASS	5259.9865	PASS
40	120	5259.9873	PASS	5259.9852	PASS	5259.9868	PASS	5259.9853	PASS
30	120	5259.9922	PASS	5259.9918	PASS	5259.9923	PASS	5259.9944	PASS
20	120	5260.0175	PASS	5260.0170	PASS	5260.0172	PASS	5260.0174	PASS
10	120	5260.0149	PASS	5260.0118	PASS	5260.0131	PASS	5260.0161	PASS
0	120	5259.9863	PASS	5259.9870	PASS	5259.9876	PASS	5259.9882	PASS

Frequency Stability Versus Voltage									
Operating Frequency: 5260MHz									
Temp. (°C)	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	5260.0174	PASS	5260.0177	PASS	5260.0172	PASS	5260.0170	PASS
	120	5260.0175	PASS	5260.0170	PASS	5260.0172	PASS	5260.0174	PASS
	102	5260.0176	PASS	5260.0164	PASS	5260.0177	PASS	5260.0182	PASS

Test Mode A

5G traffic radio: Beamforming Mode

Frequency Stability Versus Temp.									
Operating Frequency: 5260MHz									
Temp. (°C)	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	5259.9888	PASS	5259.9846	PASS	5259.9862	PASS	5259.9865	PASS
40	120	5259.9873	PASS	5259.9852	PASS	5259.9868	PASS	5259.9853	PASS
30	120	5259.9922	PASS	5259.9918	PASS	5259.9923	PASS	5259.9944	PASS
20	120	5260.0175	PASS	5260.0170	PASS	5260.0172	PASS	5260.0174	PASS
10	120	5260.0149	PASS	5260.0118	PASS	5260.0131	PASS	5260.0161	PASS
0	120	5259.9863	PASS	5259.9870	PASS	5259.9876	PASS	5259.9882	PASS

Frequency Stability Versus Voltage									
Operating Frequency: 5260MHz									
Temp. (°C)	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	5260.0174	PASS	5260.0177	PASS	5260.0172	PASS	5260.0170	PASS
	120	5260.0175	PASS	5260.0170	PASS	5260.0172	PASS	5260.0174	PASS
	102	5260.0176	PASS	5260.0164	PASS	5260.0177	PASS	5260.0182	PASS

Test Mode A

Scanning radio: CDD Mode

Frequency Stability Versus Temp.									
Operating Frequency: 5260MHz									
Temp. (°C)	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	5259.9888	PASS	5259.9846	PASS	5259.9862	PASS	5259.9865	PASS
40	120	5259.9873	PASS	5259.9852	PASS	5259.9868	PASS	5259.9853	PASS
30	120	5259.9922	PASS	5259.9918	PASS	5259.9923	PASS	5259.9944	PASS
20	120	5260.0175	PASS	5260.0170	PASS	5260.0172	PASS	5260.0174	PASS
10	120	5260.0149	PASS	5260.0118	PASS	5260.0131	PASS	5260.0161	PASS
0	120	5259.9863	PASS	5259.9870	PASS	5259.9876	PASS	5259.9882	PASS

Frequency Stability Versus Voltage									
Operating Frequency: 5260MHz									
Temp. (°C)	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	5260.0174	PASS	5260.0177	PASS	5260.0172	PASS	5260.0170	PASS
	120	5260.0175	PASS	5260.0170	PASS	5260.0172	PASS	5260.0174	PASS
	102	5260.0176	PASS	5260.0164	PASS	5260.0177	PASS	5260.0182	PASS

Test Mode C

5G traffic radio: CDD Mode

Frequency Stability Versus Temp.									
Operating Frequency: 5260MHz									
Temp. (°C)	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	5260.0213	PASS	5260.0210	PASS	5260.0183	PASS	5260.0192	PASS
40	120	5260.0104	PASS	5260.0111	PASS	5260.0130	PASS	5260.0103	PASS
30	120	5259.9903	PASS	5259.9943	PASS	5259.9915	PASS	5259.9941	PASS
20	120	5259.9826	PASS	5259.9827	PASS	5259.9822	PASS	5259.9817	PASS
10	120	5259.9873	PASS	5259.9886	PASS	5259.9894	PASS	5259.9921	PASS
0	120	5259.9937	PASS	5259.9944	PASS	5259.9933	PASS	5259.9934	PASS

Frequency Stability Versus Voltage									
Operating Frequency: 5260MHz									
Temp. (°C)	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	5259.9826	PASS	5259.9833	PASS	5259.9812	PASS	5259.9824	PASS
	120	5259.9826	PASS	5259.9827	PASS	5259.9822	PASS	5259.9817	PASS
	102	5259.9825	PASS	5259.9837	PASS	5259.9823	PASS	5259.9809	PASS

Test Mode C

5G traffic radio: Beamforming Mode

Frequency Stability Versus Temp.									
Operating Frequency: 5260MHz									
Temp. (°C)	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	5259.9886	PASS	5259.9877	PASS	5259.9910	PASS	5259.9875	PASS
40	120	5260.0017	PASS	5260.0023	PASS	5260.0023	PASS	5260.0017	PASS
30	120	5260.0092	PASS	5260.0097	PASS	5260.0086	PASS	5260.0114	PASS
20	120	5260.0262	PASS	5260.0260	PASS	5260.0267	PASS	5260.0267	PASS
10	120	5259.9795	PASS	5259.9796	PASS	5259.9830	PASS	5259.9810	PASS
0	120	5259.9737	PASS	5259.9753	PASS	5259.9746	PASS	5259.9751	PASS

Frequency Stability Versus Voltage									
Operating Frequency: 5260MHz									
Temp. (°C)	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	5260.0255	PASS	5260.0257	PASS	5260.0260	PASS	5260.0277	PASS
	120	5260.0262	PASS	5260.0260	PASS	5260.0267	PASS	5260.0267	PASS
	102	5260.0262	PASS	5260.0256	PASS	5260.0277	PASS	5260.0268	PASS

Test Mode C

Scanning radio: CDD Mode

Frequency Stability Versus Temp.									
Operating Frequency: 5260MHz									
Temp. (°C)	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	5259.9886	PASS	5259.9877	PASS	5259.9910	PASS	5259.9875	PASS
40	120	5260.0017	PASS	5260.0023	PASS	5260.0023	PASS	5260.0017	PASS
30	120	5260.0092	PASS	5260.0097	PASS	5260.0086	PASS	5260.0114	PASS
20	120	5260.0262	PASS	5260.0260	PASS	5260.0267	PASS	5260.0267	PASS
10	120	5259.9795	PASS	5259.9796	PASS	5259.9830	PASS	5259.9810	PASS
0	120	5259.9737	PASS	5259.9753	PASS	5259.9746	PASS	5259.9751	PASS

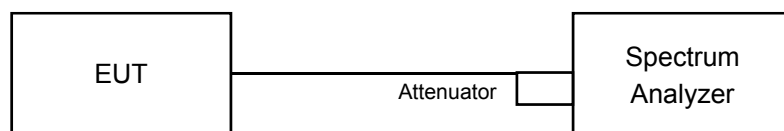
Frequency Stability Versus Voltage									
Operating Frequency: 5260MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
20	138	5260.0255	PASS	5260.0257	PASS	5260.0260	PASS	5260.0277	PASS
	120	5260.0262	PASS	5260.0260	PASS	5260.0267	PASS	5260.0267	PASS
	102	5260.0262	PASS	5260.0256	PASS	5260.0277	PASS	5260.0268	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

Measurement Procedure REF

- Set resolution bandwidth (RBW) = 100kHz
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- 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

5G traffic radio: CDD Mode

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	3.10	3.12	3.12	3.12	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	4.45	4.45	4.40	4.43	0.5	Pass

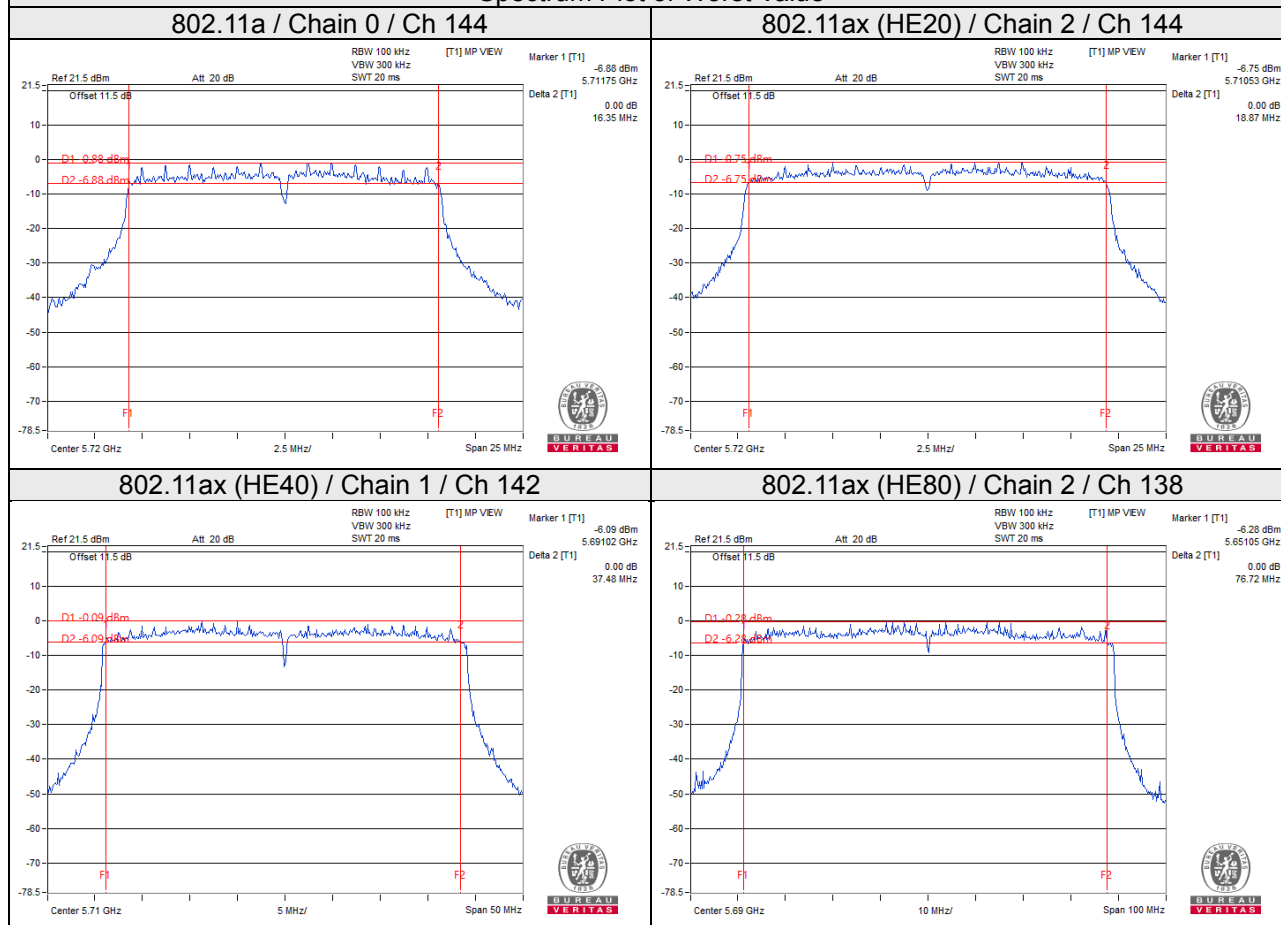
802.11ax (HE40)

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	3.74	3.50	3.62	3.75	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	3.06	3.55	2.77	2.85	0.5	Pass

Spectrum Plot of Worst Value



- *802.11a: Ch 144 (5720MHz for U-NII-3): $16.35 - (5725 - 5711.75) = 3.10$
- *802.11ax (HE20): Ch 144 (5720MHz for U-NII-3): $18.87 - (5725 - 5710.53) = 4.40$
- *802.11ax (HE40): Ch 142 (5710MHz for U-NII-3): $37.48 - (5725 - 5691.02) = 3.50$
- *802.11ax (HE80): Ch 138 (5690MHz for U-NII-3): $76.72 - (5725 - 5651.05) = 2.77$

Test Mode A

5G traffic radio: Beamforming Mode

802.11ax (HE20)

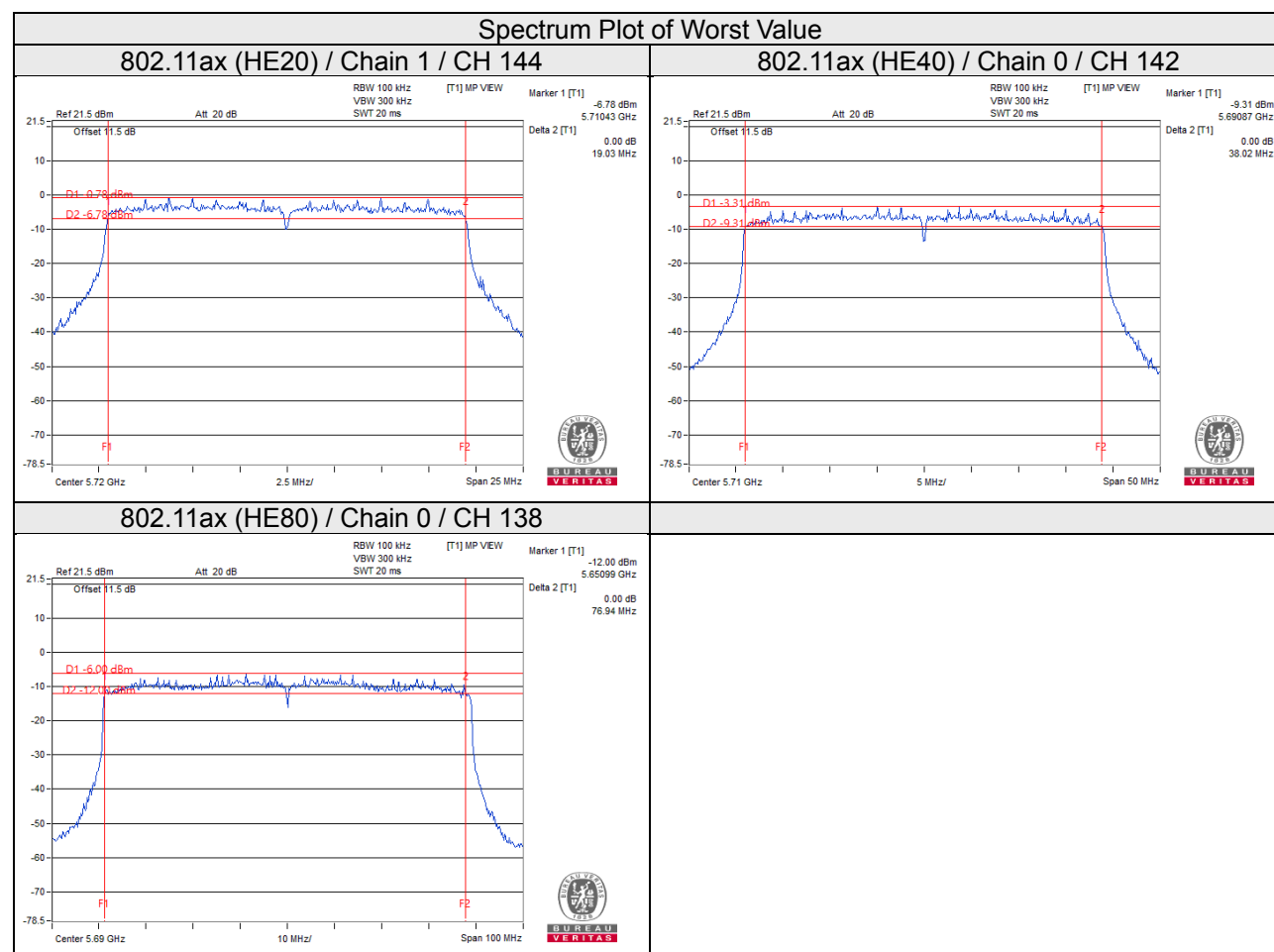
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	4.47	4.46	4.46	4.46	0.5	Pass

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	3.89	3.93	3.93	3.91	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	2.93	2.95	2.99	3.47	0.5	Pass



*802.11ax (HE20): Ch 144 (5720MHz for U-NII-3): 19.03-(5725-5710.43) = 4.46

*802.11ax (HE40): Ch 142 (5710MHz for U-NII-3): 38.02-(5725-5690.87) = 3.89

*802.11ax (HE80): Ch 138 (5690MHz for U-NII-3): 76.94-(5725-5650.99) = 2.93

Test Mode A

Scanning radio: CDD Mode

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
144	5720 For U-NII-3	3.21	0.5	Pass

802.11n (HT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
144	5720 For U-NII-3	3.82	0.5	Pass

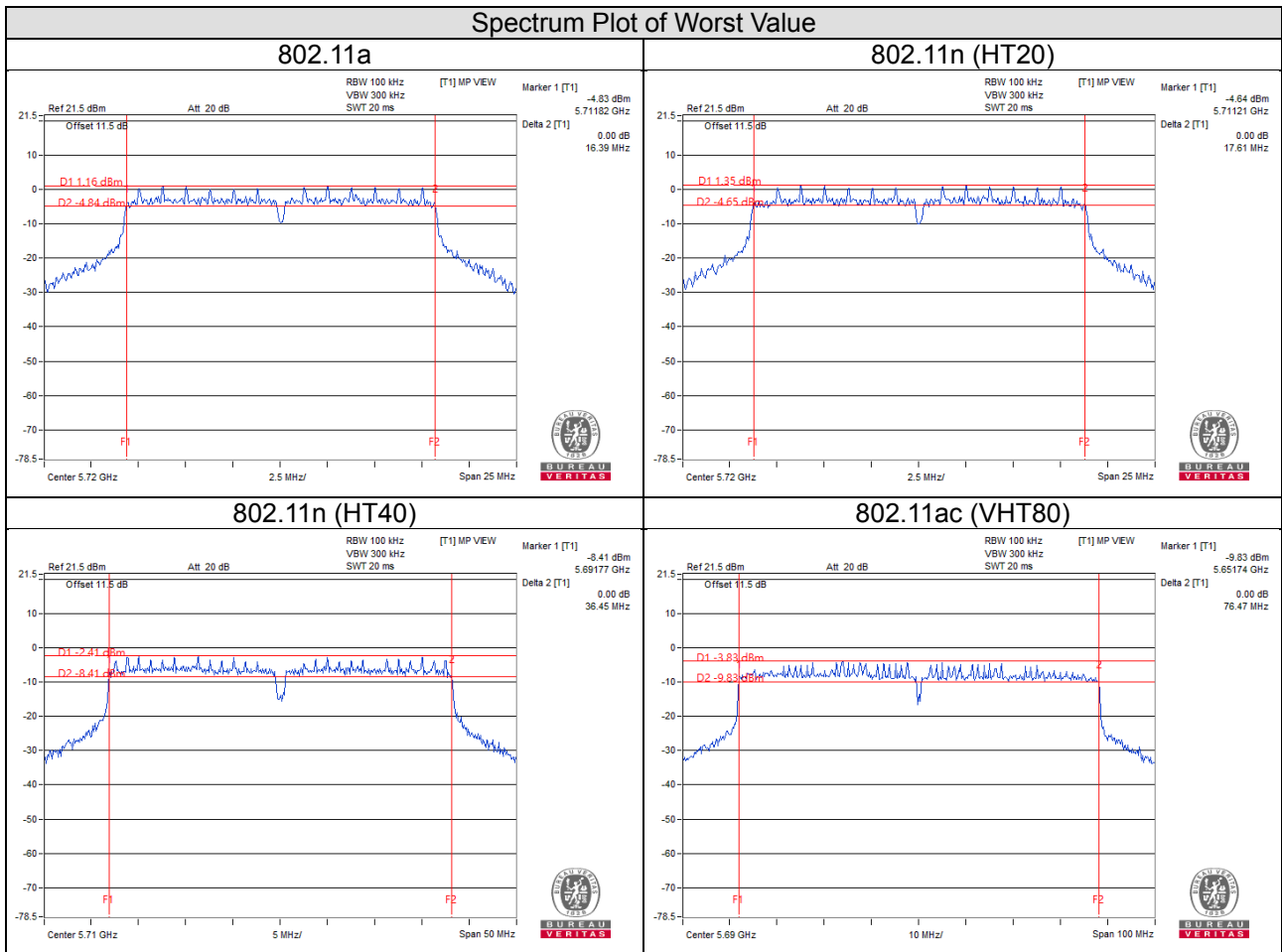
802.11n (HT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
142	5710 For U-NII-3	3.22	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
138	5690 For U-NII-3	3.21	0.5	Pass

Spectrum Plot of Worst Value



- *802.11a: Ch 144 (5720MHz for U-NII-3): $16.39 - (5725 - 5711.82) = 3.21$
- *802.11n (HT20): Ch 144 (5720MHz for U-NII-3): $17.61 - (5725 - 5711.21) = 3.82$
- *802.11n (HT40): Ch 142 (5710MHz for U-NII-3): $36.45 - (5725 - 5691.77) = 3.22$
- *802.11ac (VHT80): Ch 138 (5690MHz for U-NII-3): $76.47 - (5725 - 5651.74) = 3.21$

Test Mode C

5G traffic radio: CDD Mode

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	3.05	3.10	2.88	2.87	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	4.35	4.30	4.31	4.30	0.5	Pass

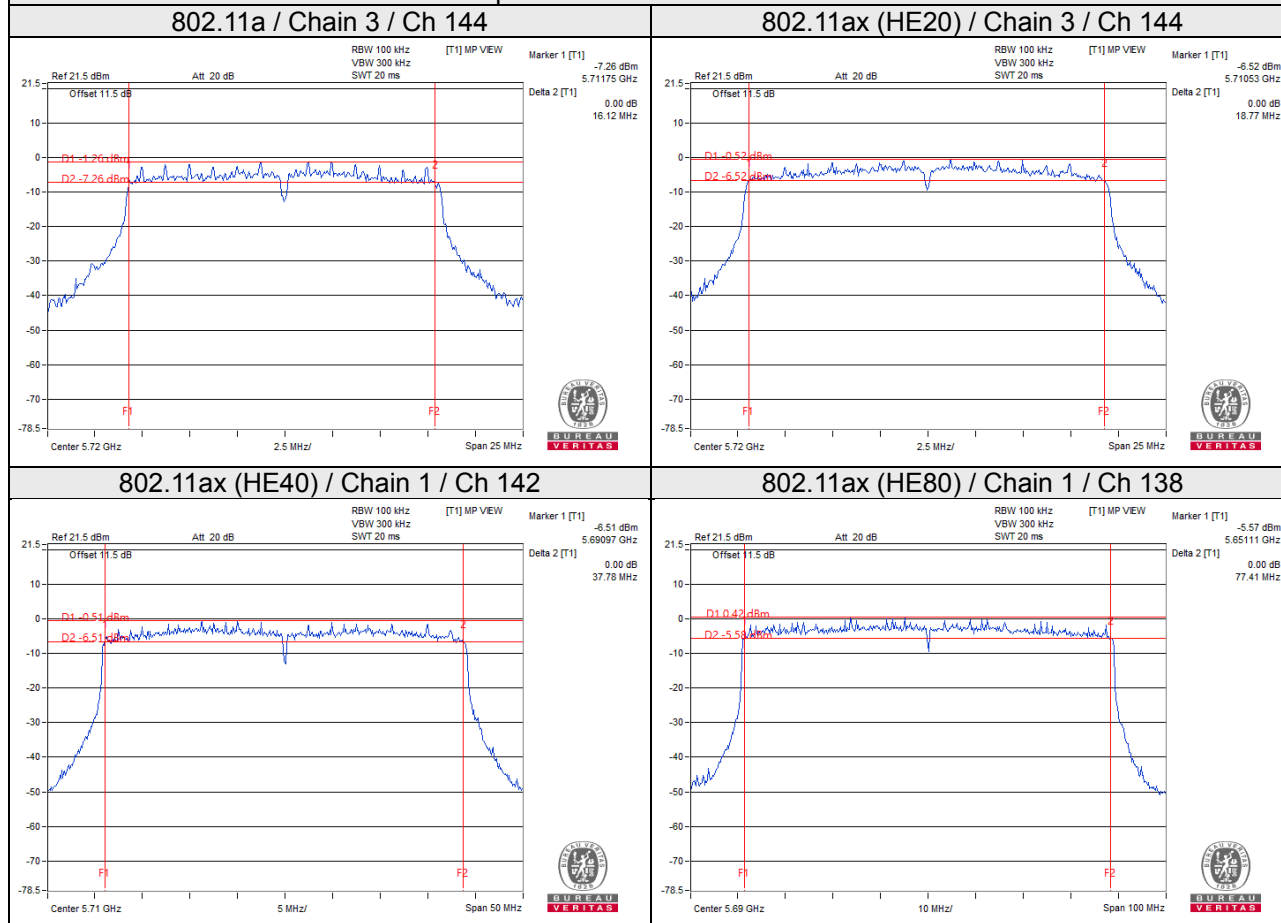
802.11ax (HE40)

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	3.92	3.75	3.80	3.91	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	3.68	3.52	3.86	3.55	0.5	Pass

Spectrum Plot of Worst Value



- *802.11a: Ch 144 (5720MHz for U-NII-3): $16.12 - (5725 - 5711.75) = 2.87$
- *802.11ax (HE20): Ch 144 (5720MHz for U-NII-3): $18.77 - (5725 - 5710.53) = 4.30$
- *802.11ax (HE40): Ch 142 (5710MHz for U-NII-3): $37.78 - (5725 - 5690.97) = 3.75$
- *802.11ax (HE80): Ch 138 (5690MHz for U-NII-3): $77.41 - (5725 - 5651.11) = 3.52$

Test Mode C

5G traffic radio: Beamforming Mode

802.11ax (HE20)

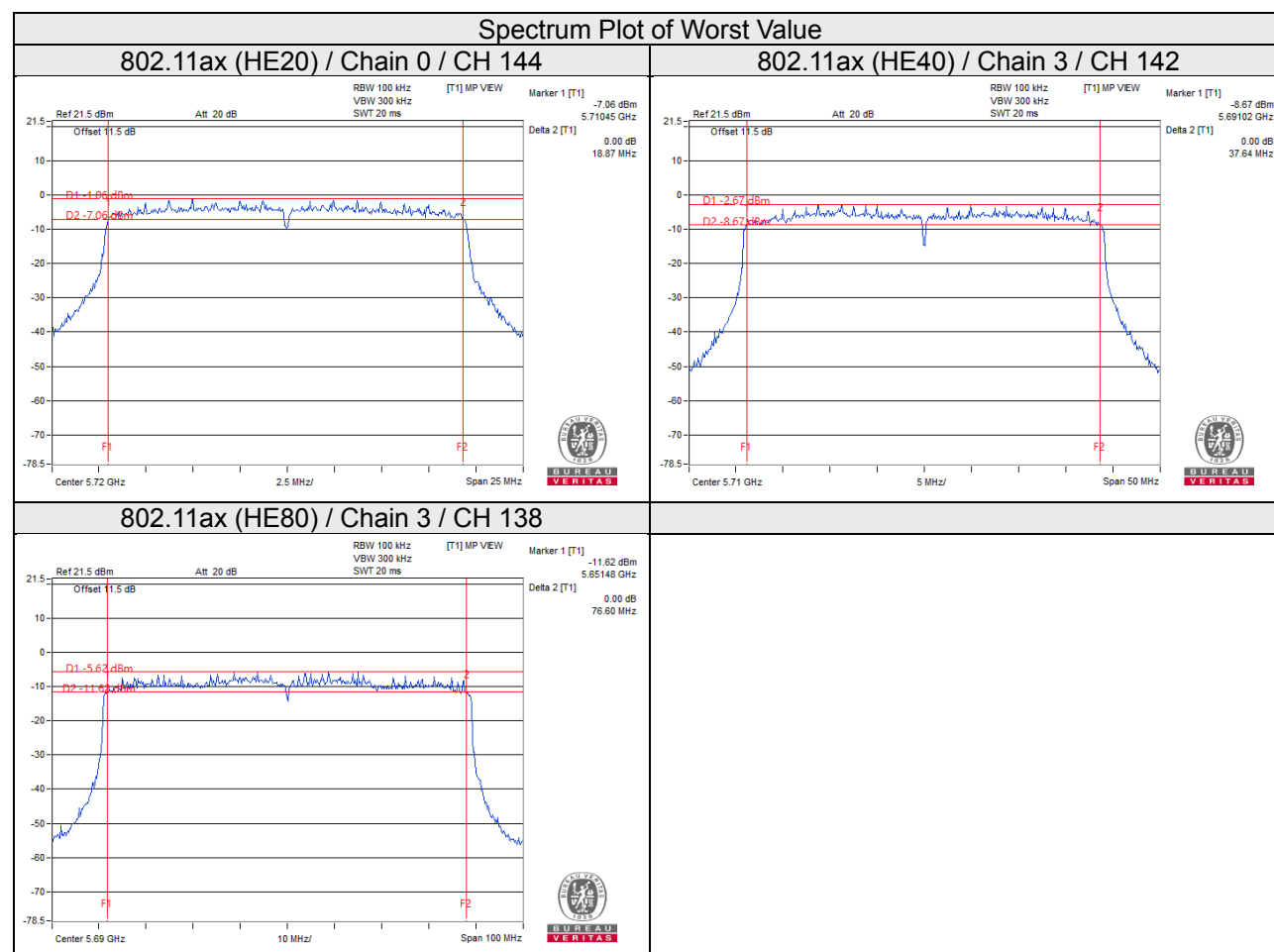
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	4.32	4.40	4.40	4.42	0.5	Pass

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	3.84	3.87	3.77	3.66	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	3.58	3.40	3.27	3.08	0.5	Pass



*802.11ax (HE20): Ch 144 (5720MHz for U-NII-3): $18.87 - (5725 - 5710.45) = 4.32$

*802.11ax (HE40): Ch 142 (5710MHz for U-NII-3): $37.64 - (5725 - 5691.02) = 3.66$

*802.11ax (HE80): Ch 138 (5690MHz for U-NII-3): $76.60 - (5725 - 5651.48) = 3.08$

Test Mode C

Scanning radio: CDD Mode

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
144	5720 For U-NII-3	3.21	0.5	Pass

802.11n (HT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
144	5720 For U-NII-3	3.81	0.5	Pass

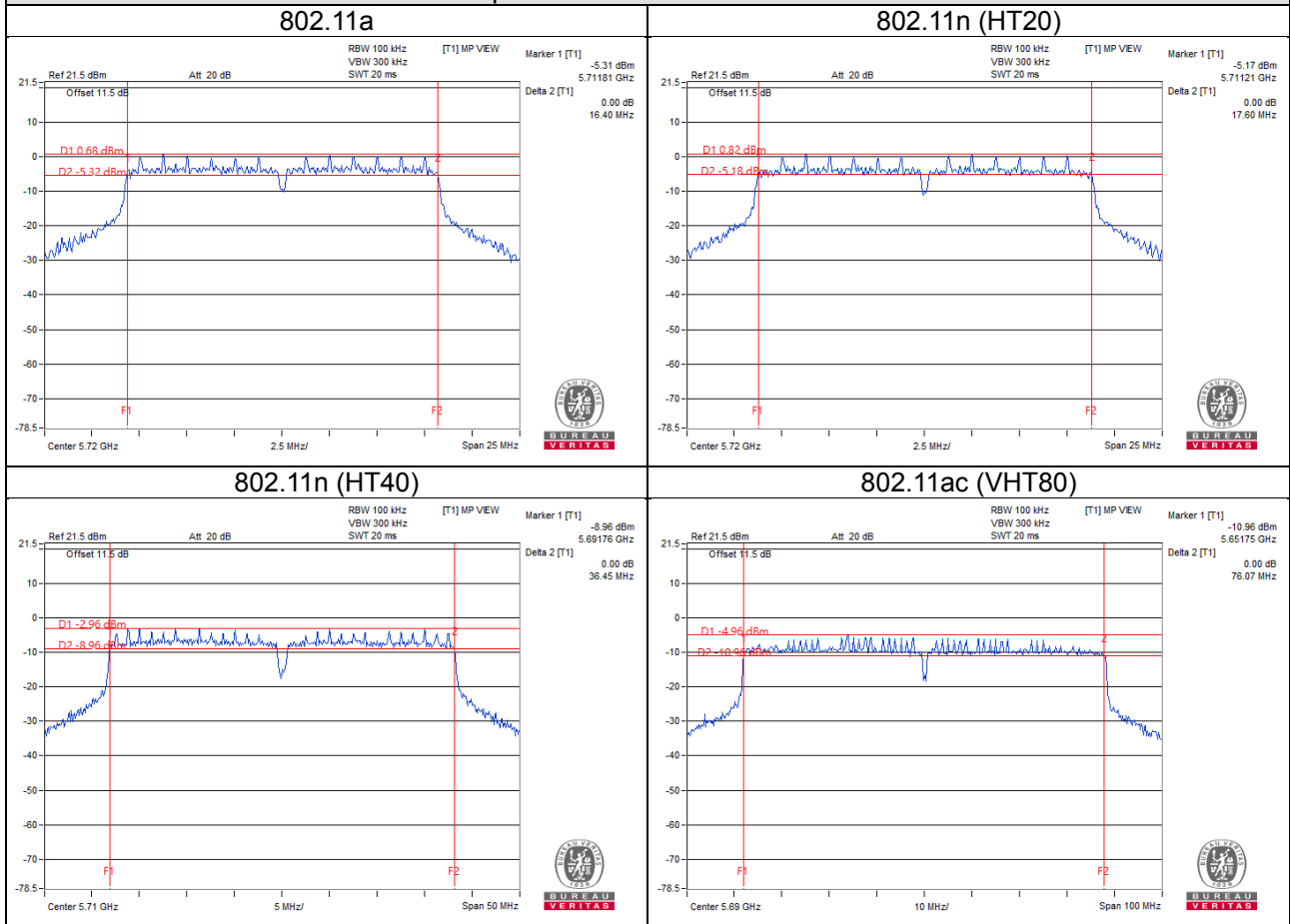
802.11n (HT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
142	5710 For U-NII-3	3.21	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
138	5690 For U-NII-3	2.82	0.5	Pass

Spectrum Plot of Worst Value



- *802.11a: Ch 144 (5720MHz for U-NII-3): $16.40 - (5725 - 5711.81) = 3.21$
- *802.11n (HT20): Ch 144 (5720MHz for U-NII-3): $17.60 - (5725 - 5711.21) = 3.81$
- *802.11n (HT40): Ch 142 (5710MHz for U-NII-3): $36.45 - (5725 - 5691.76) = 3.21$
- *802.11ac (VHT80): Ch 138 (5690MHz for U-NII-3): $76.07 - (5725 - 5651.75) = 2.82$

4.8 Transmit Power Control (TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Applicable	E.I.R.P	FCC 15.407 (h)(1)
√	>500mW	The TPC mechanism is required for system with an E.I.R.P of above 500mW
	<500mW	The TPC mechanism is not required for system with an E.I.R.P of less 500mW

The UUT can adjust a transmitter's output power based on the signal level present at the receiver. TPC is auto controlled by software.

5 Pictures of Test Arrangements

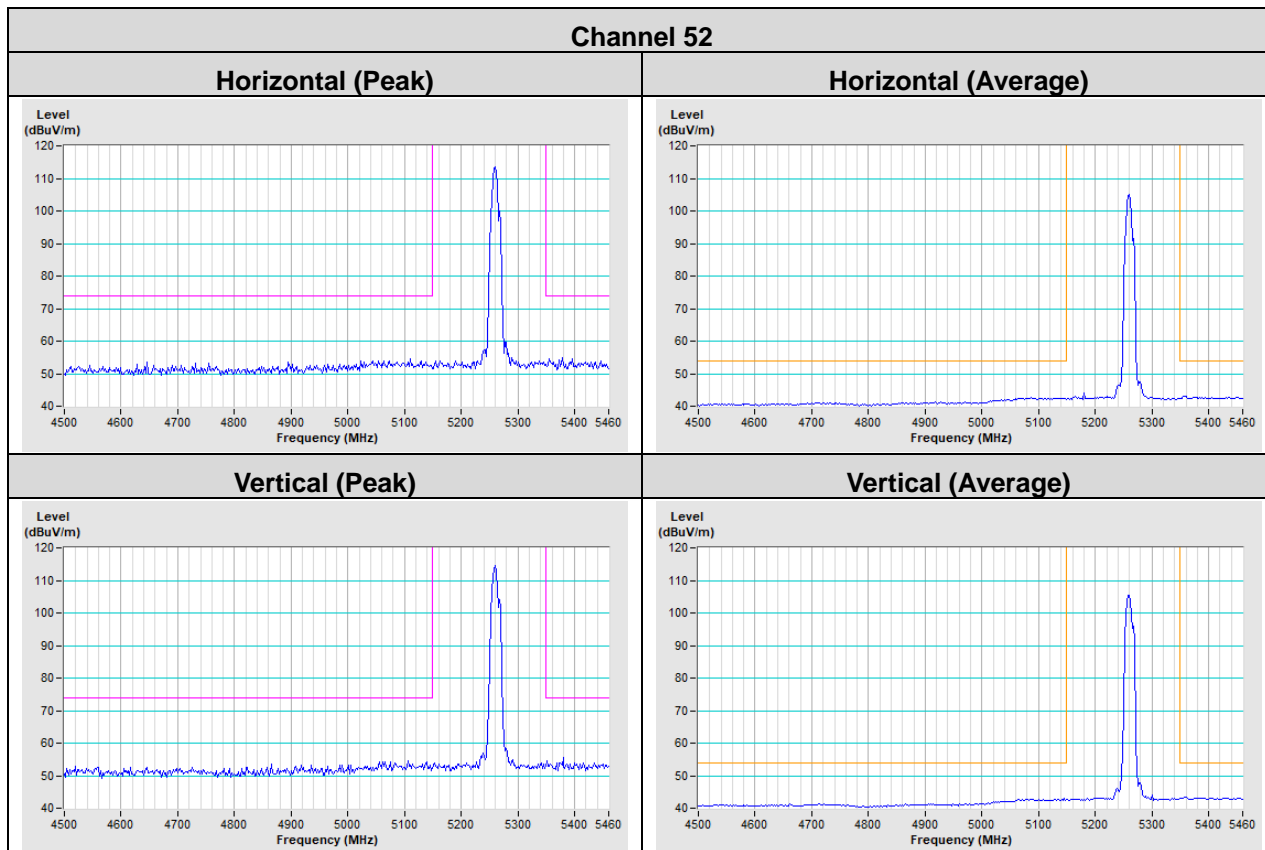
Please refer to the attached file (Test Setup Photo).

Annex A- Band Edge Measurement

Test Mode A

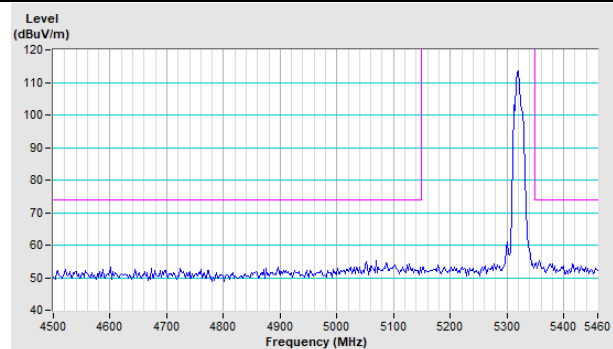
5G traffic radio: CDD Mode

802.11a

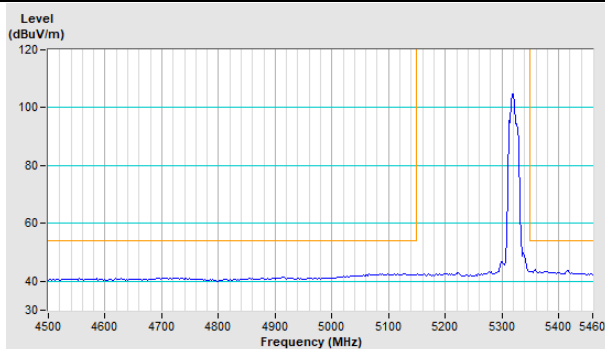


Channel 64

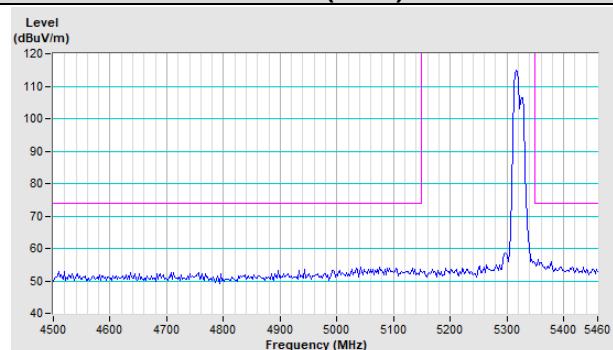
Horizontal (Peak)



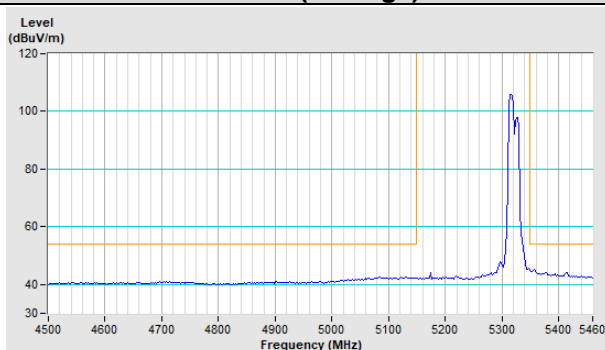
Horizontal (Average)



Vertical (Peak)

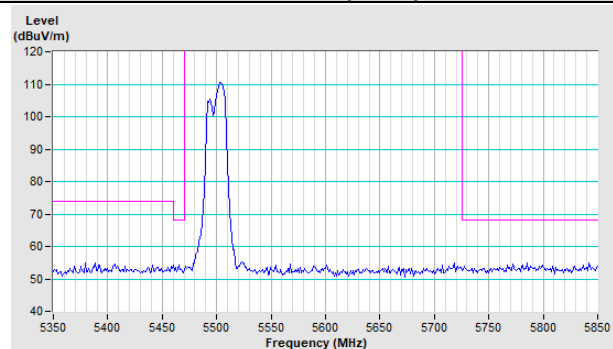


Vertical (Average)

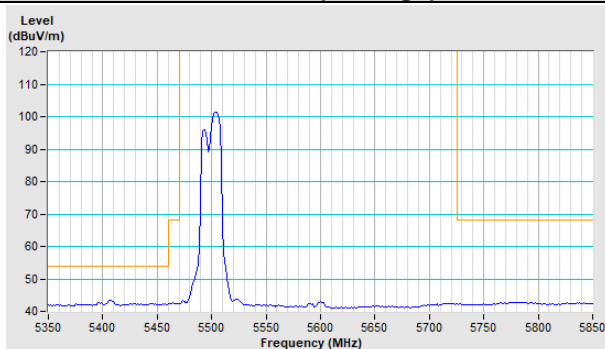


Channel 100

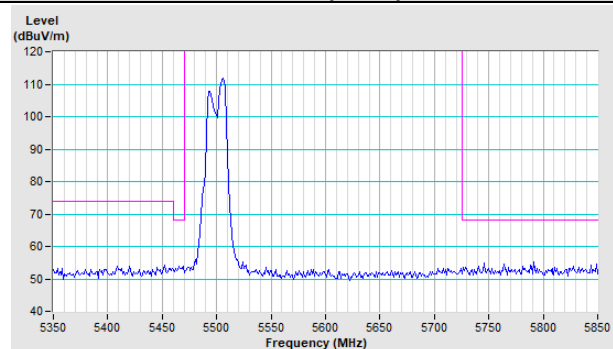
Horizontal (Peak)



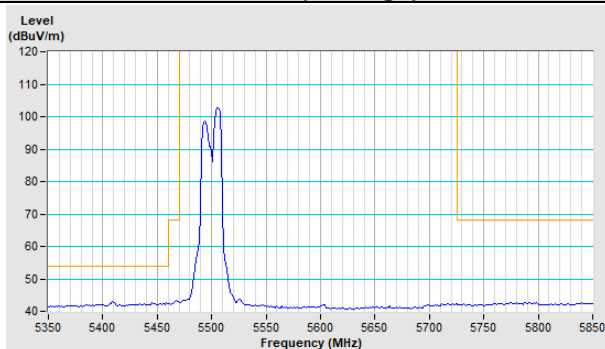
Horizontal (Average)

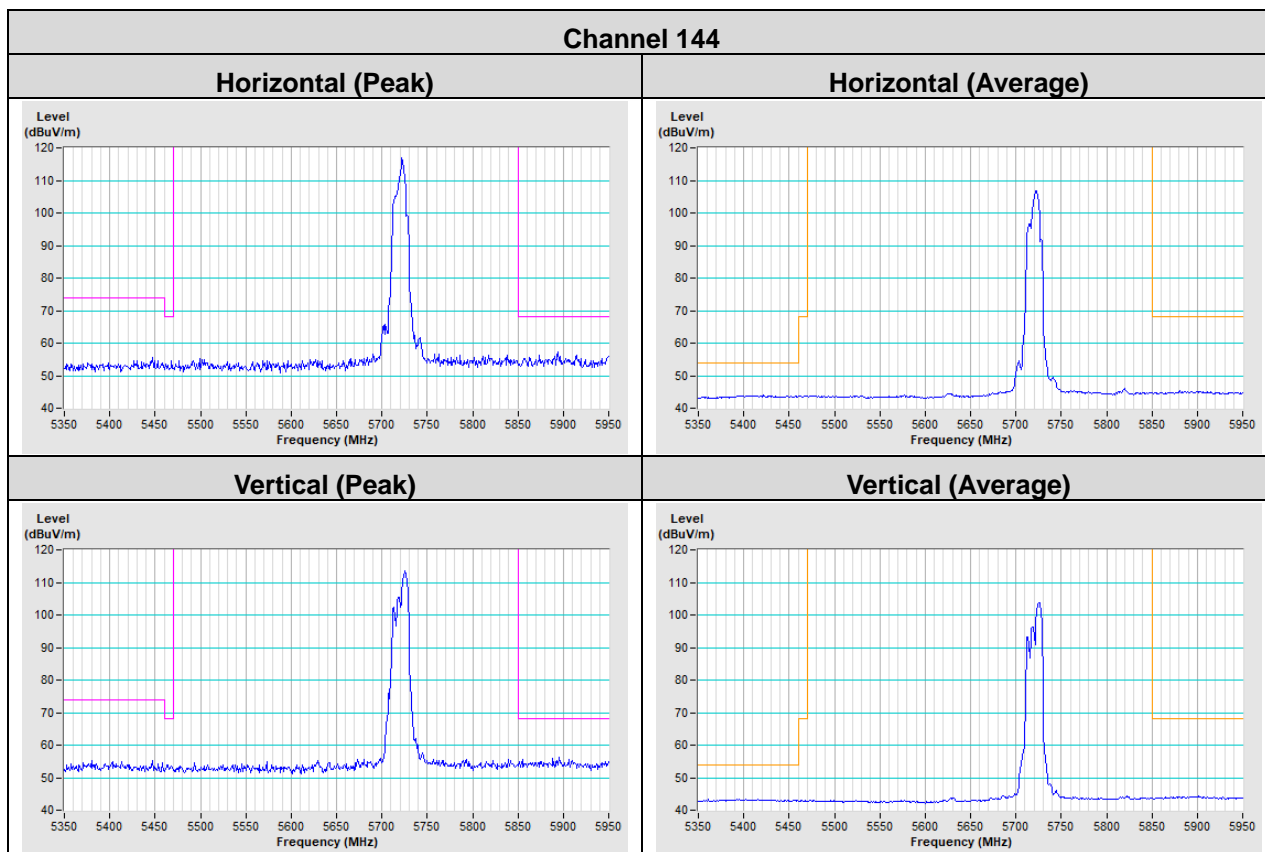
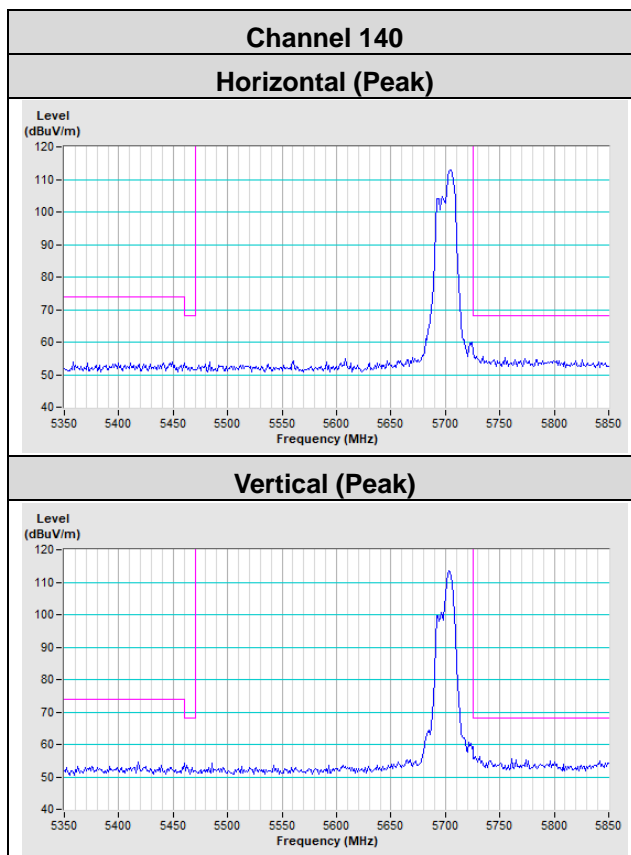


Vertical (Peak)

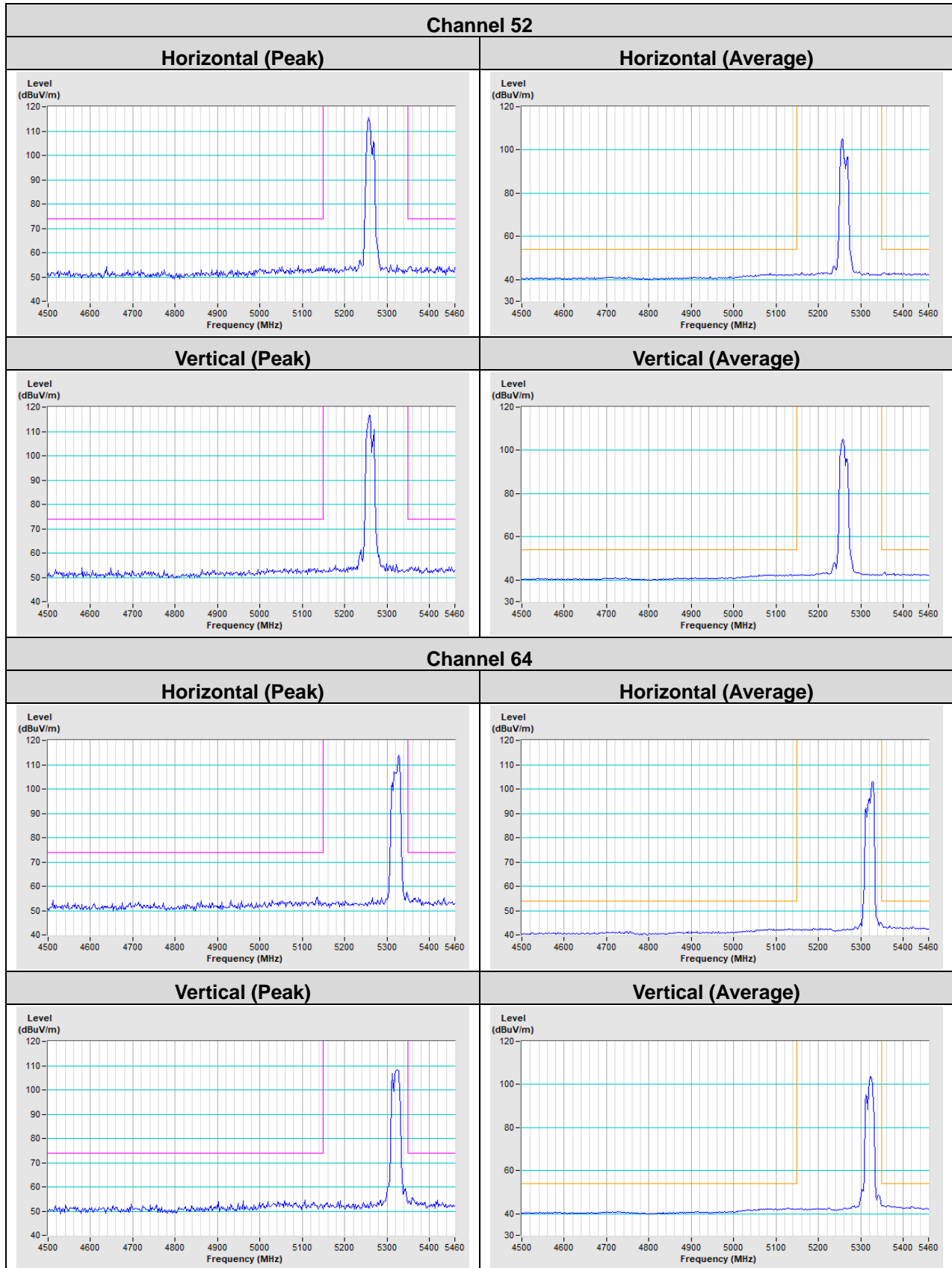


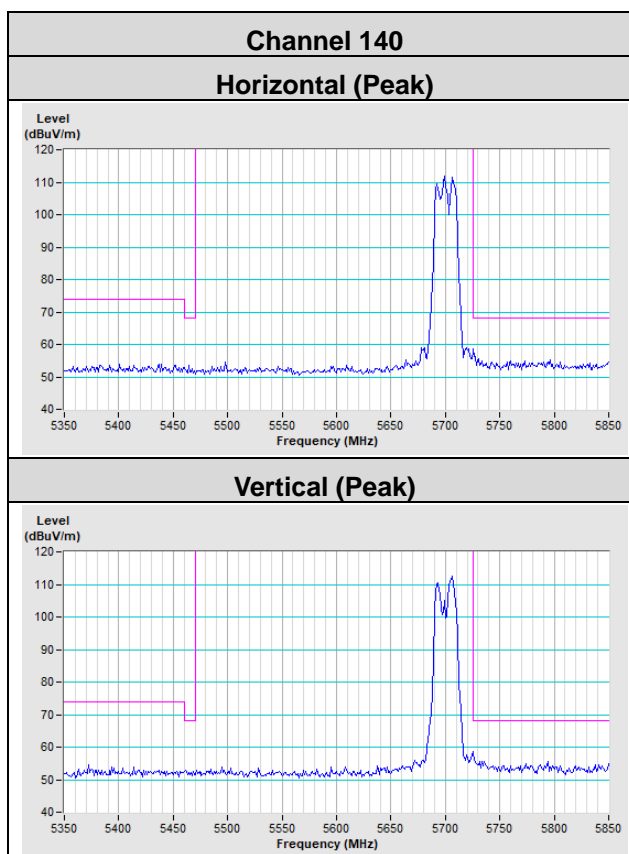
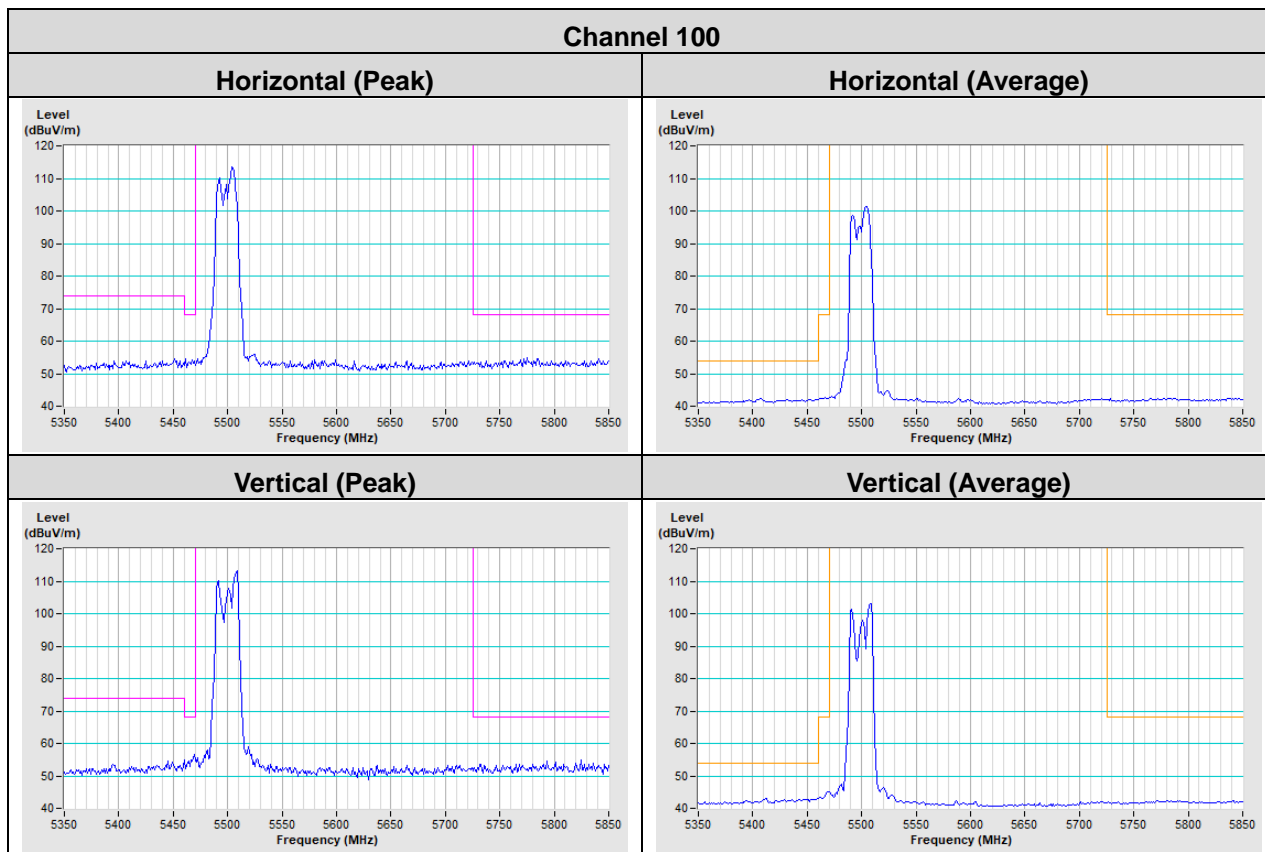
Vertical (Average)





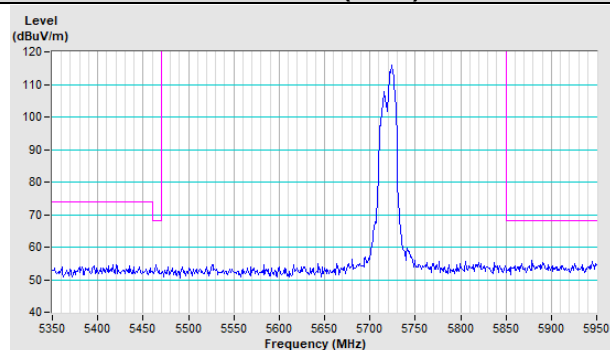
802.11ax (HE20)



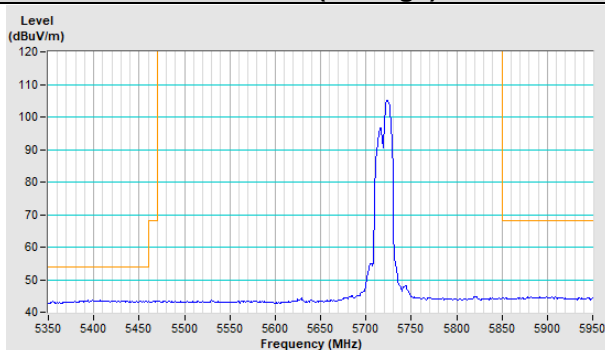


Channel 144

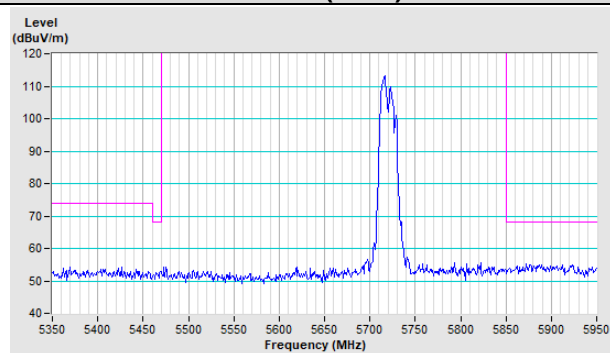
Horizontal (Peak)



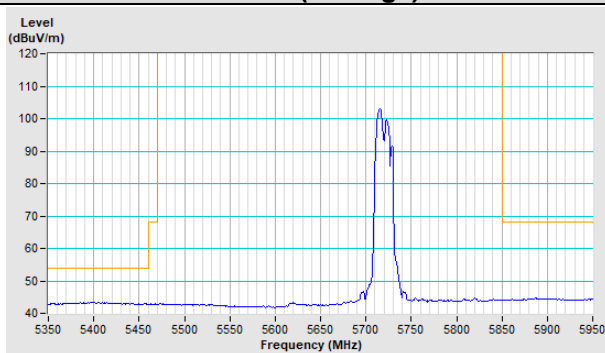
Horizontal (Average)



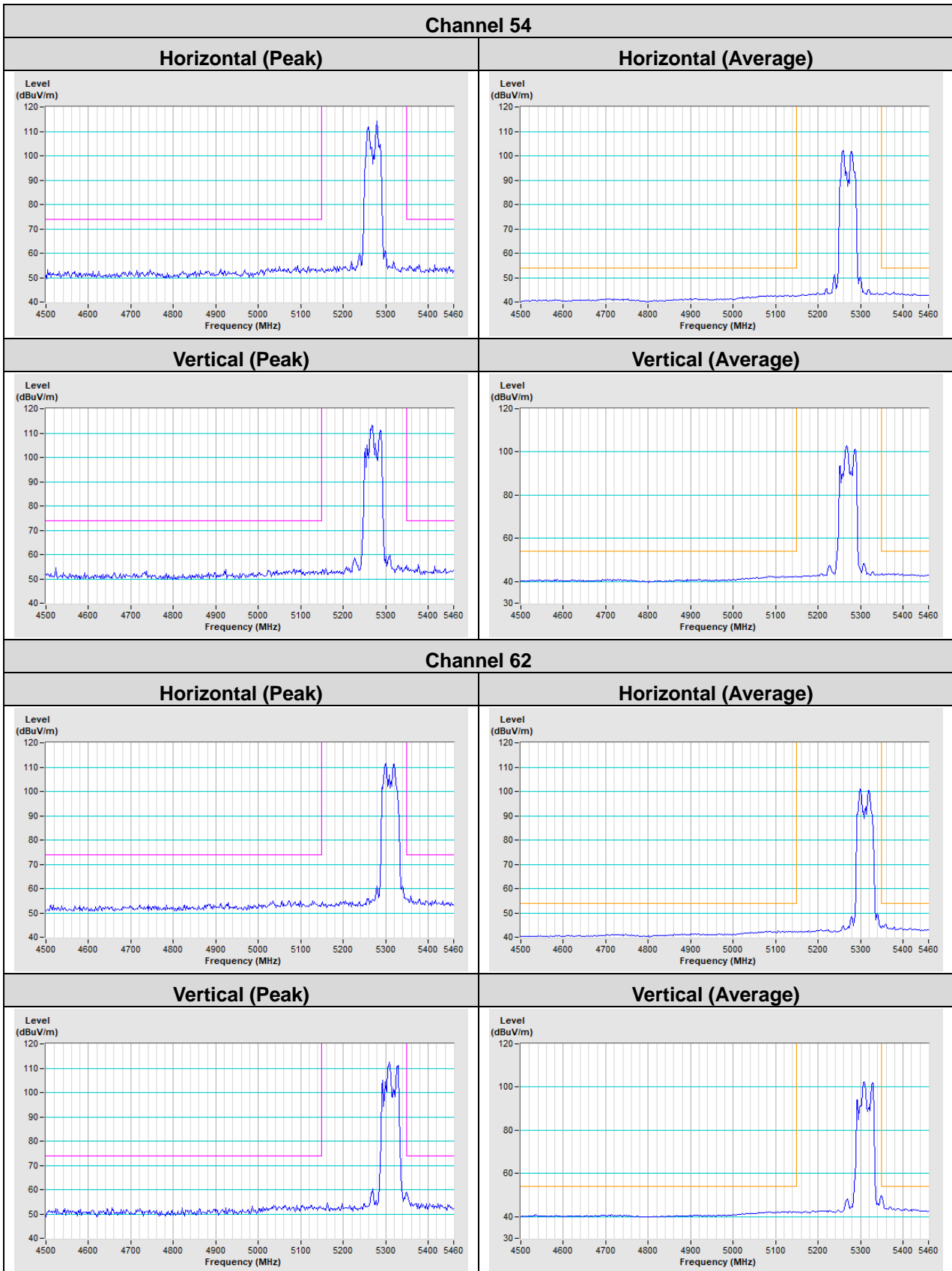
Vertical (Peak)

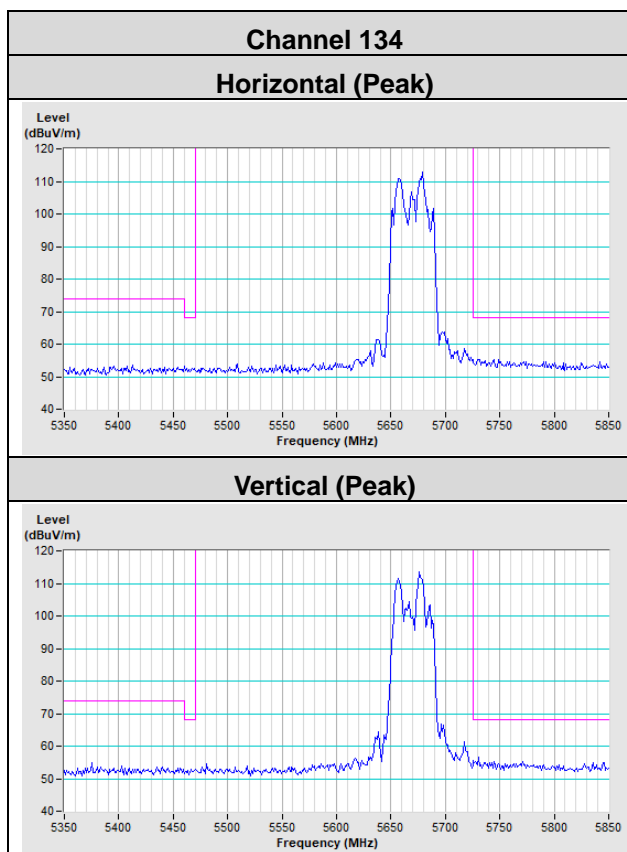
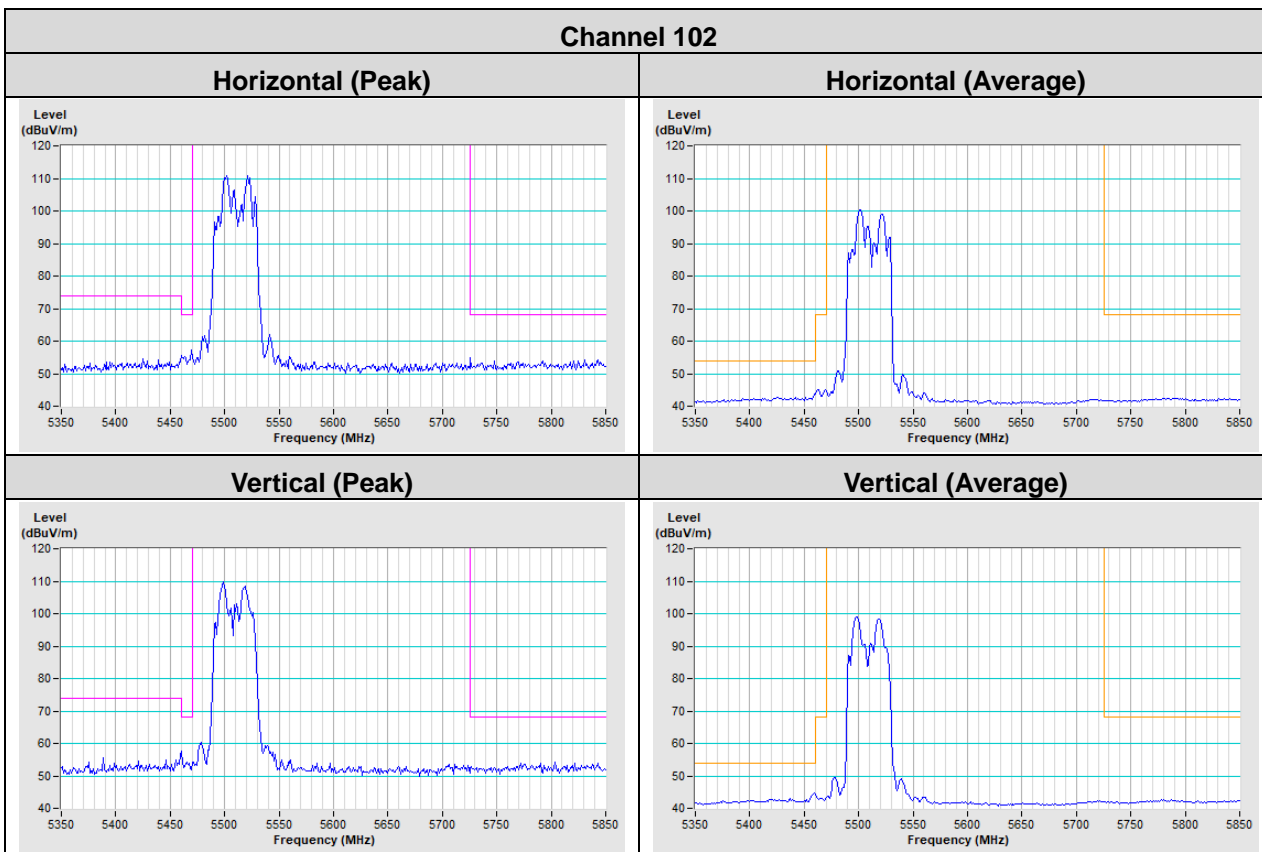


Vertical (Average)



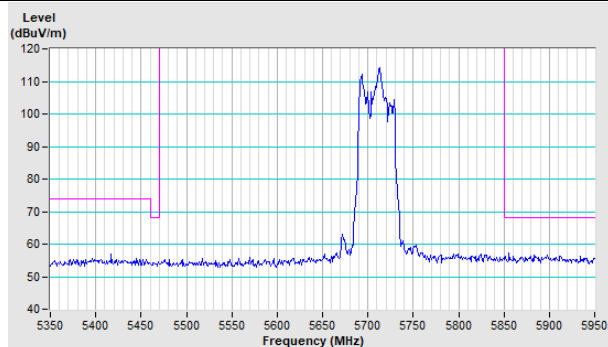
802.11ax (HE40)



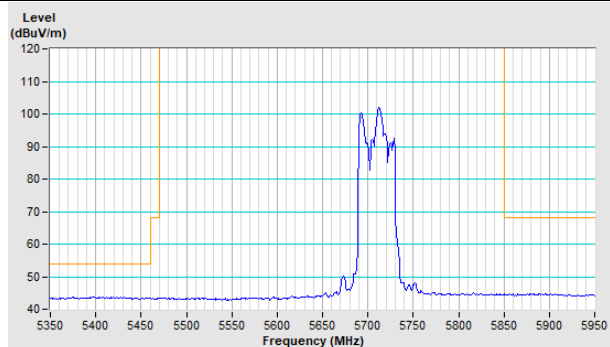


Channel 142

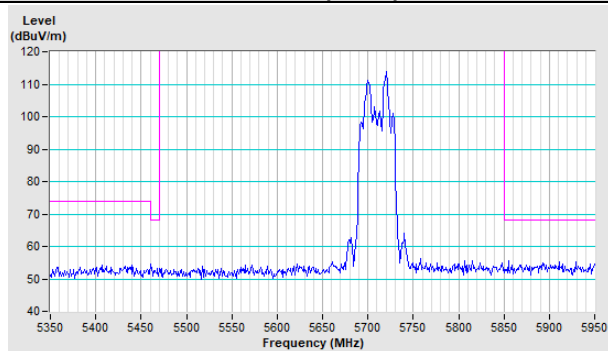
Horizontal (Peak)



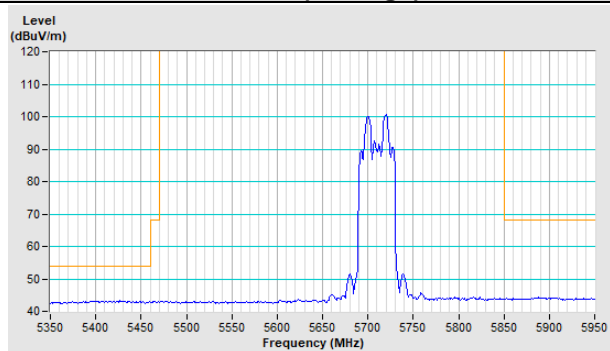
Horizontal (Average)



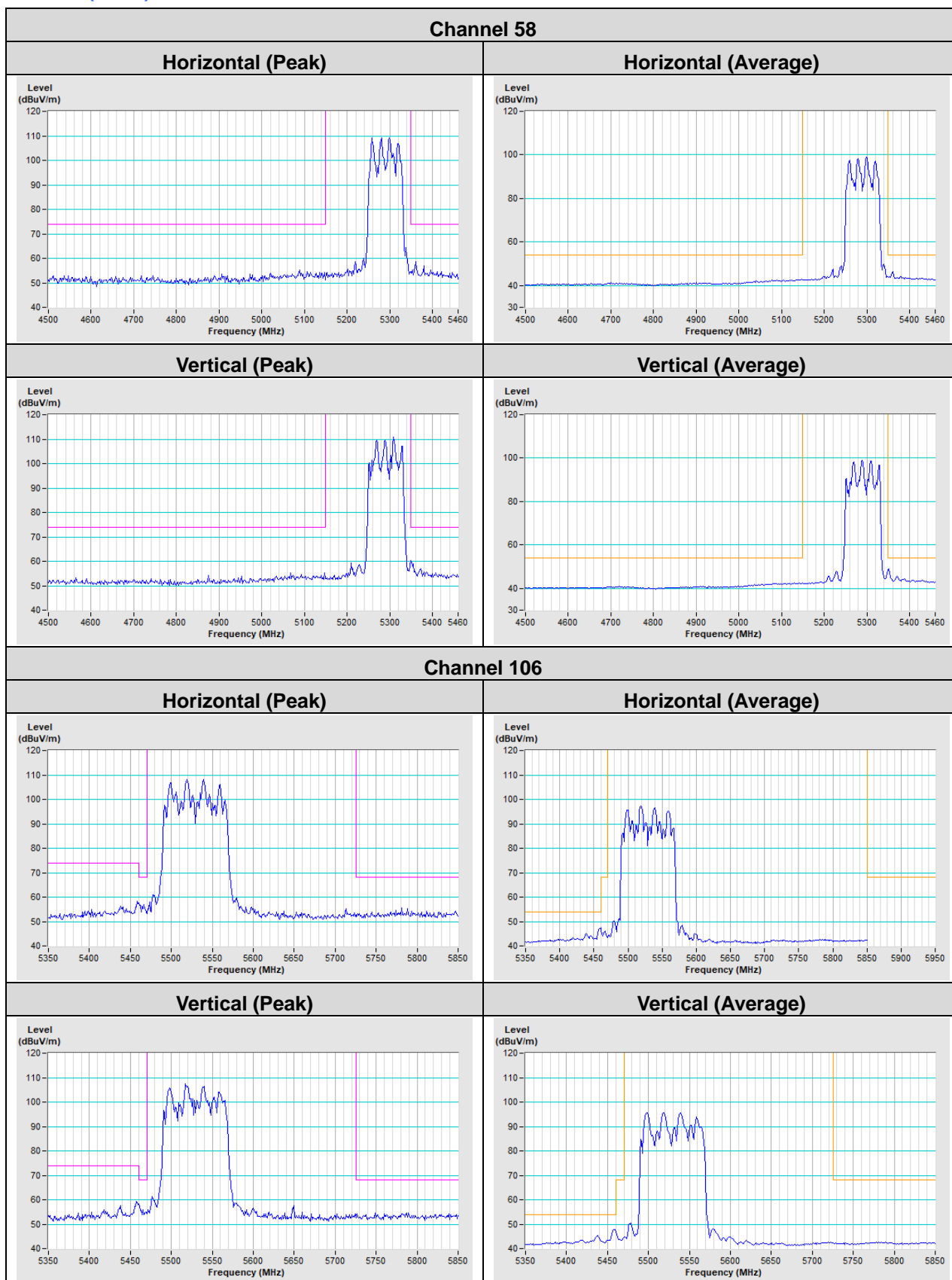
Vertical (Peak)

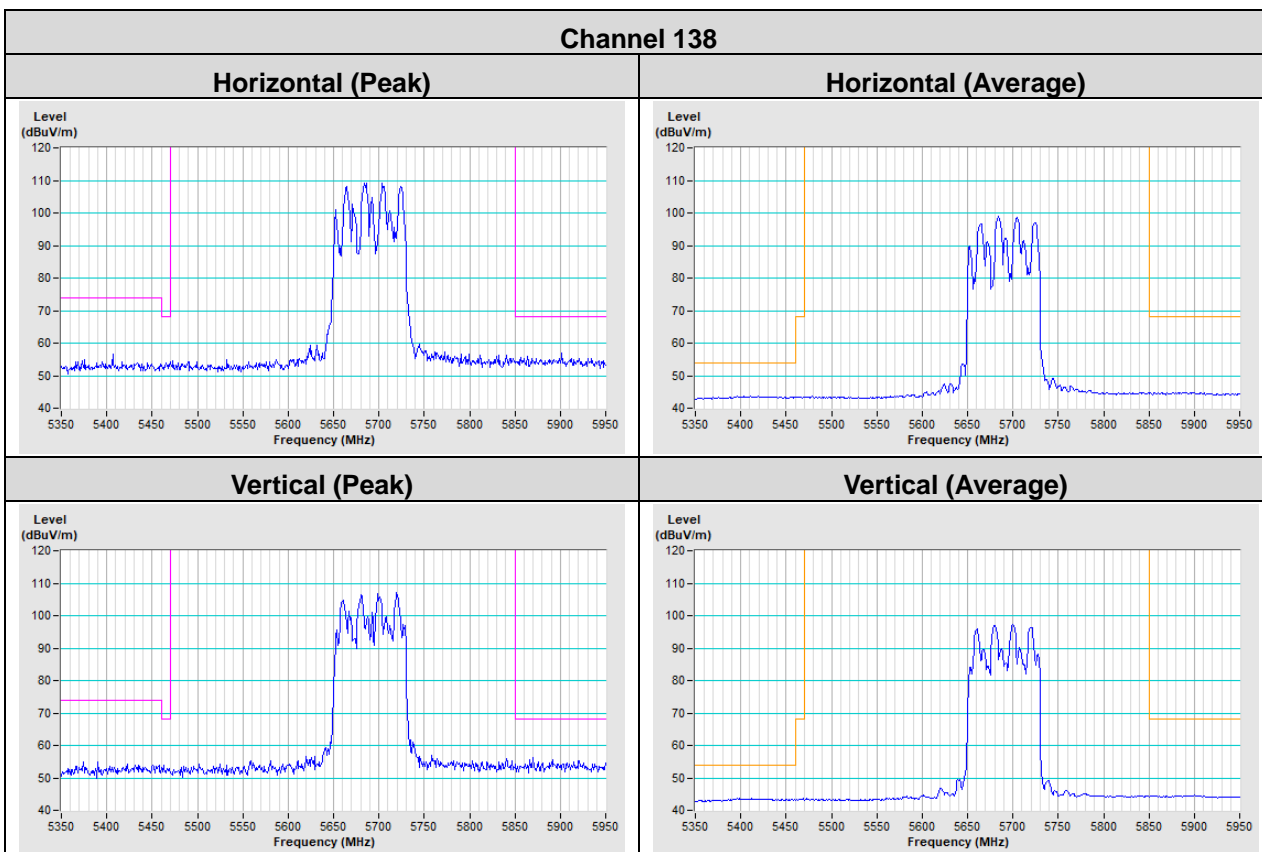
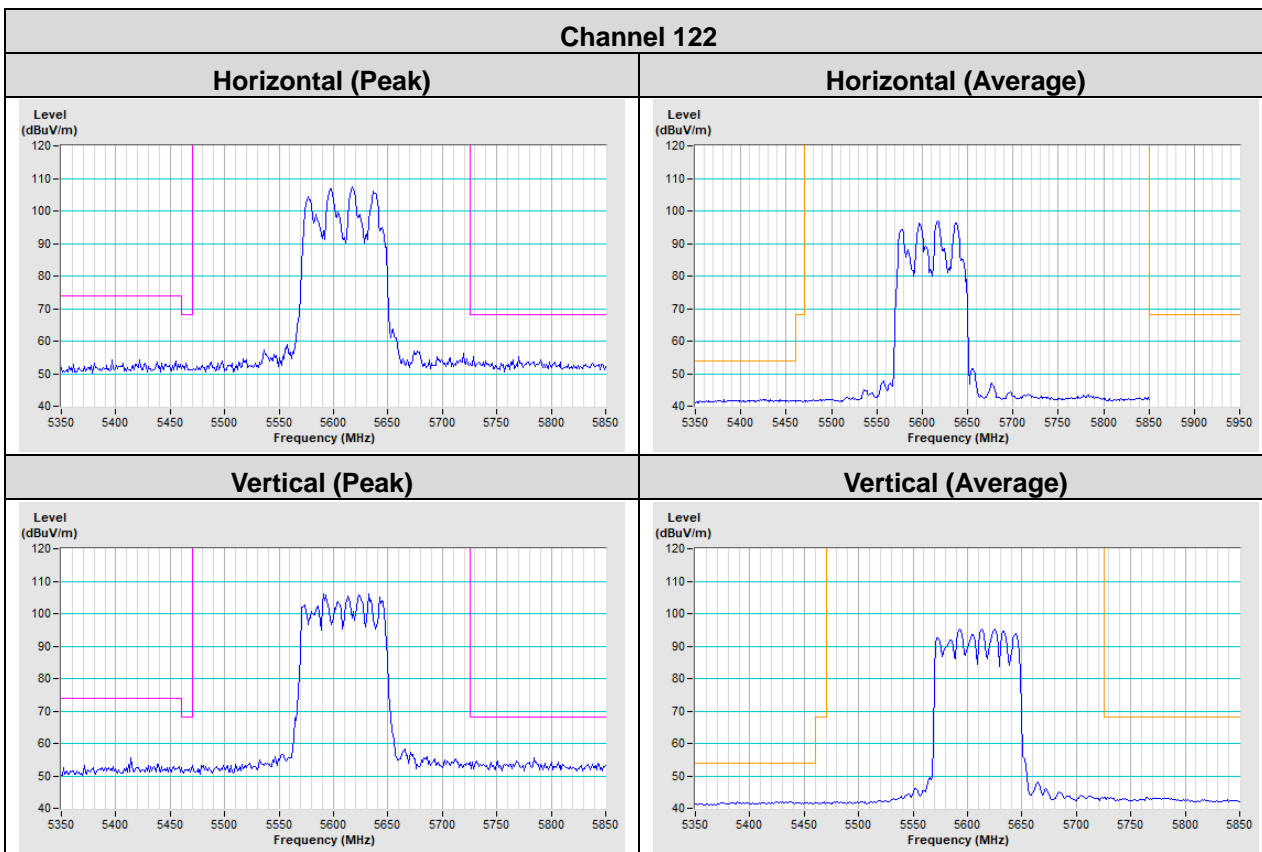


Vertical (Average)

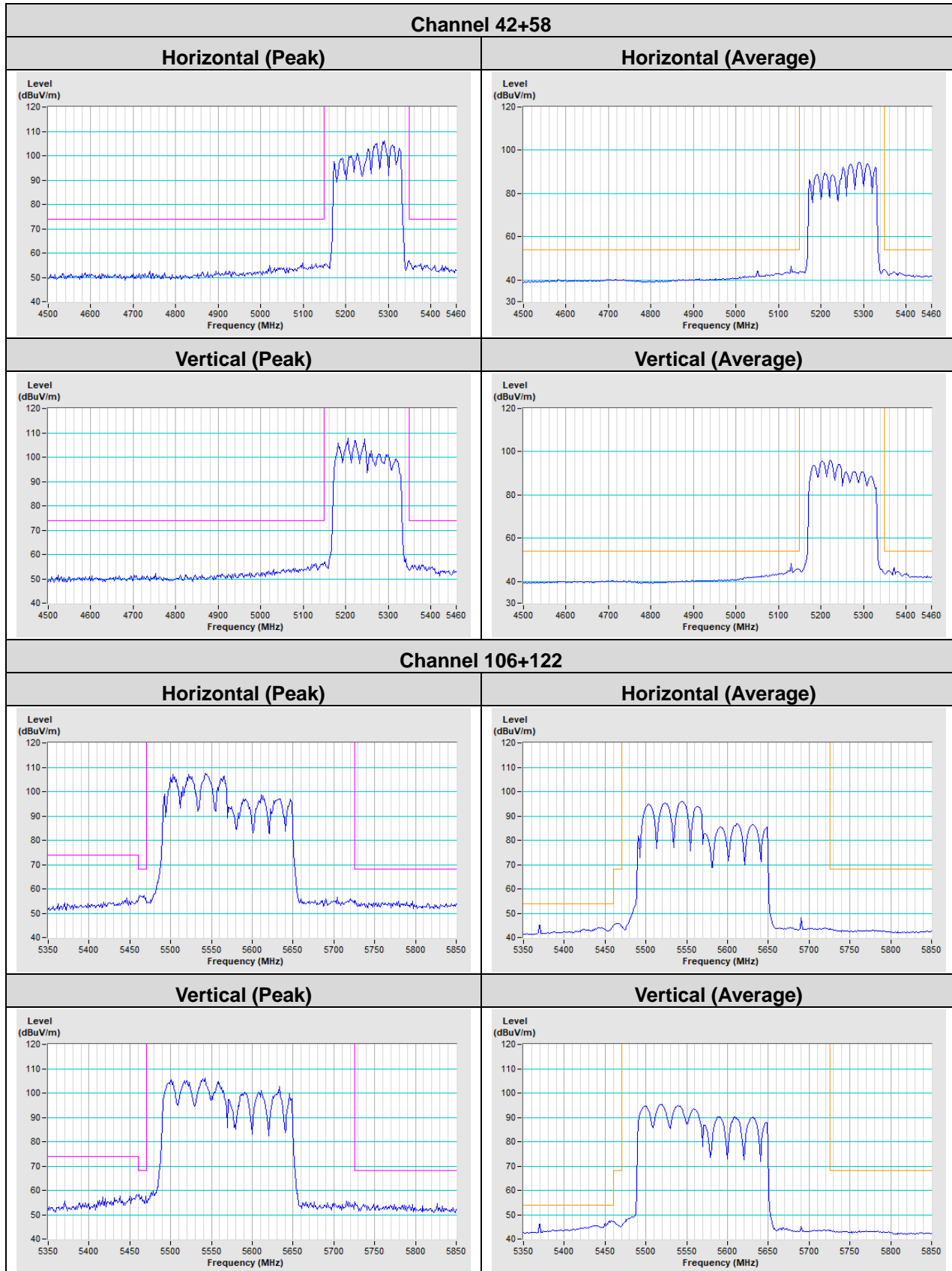


802.11ax (HE80)

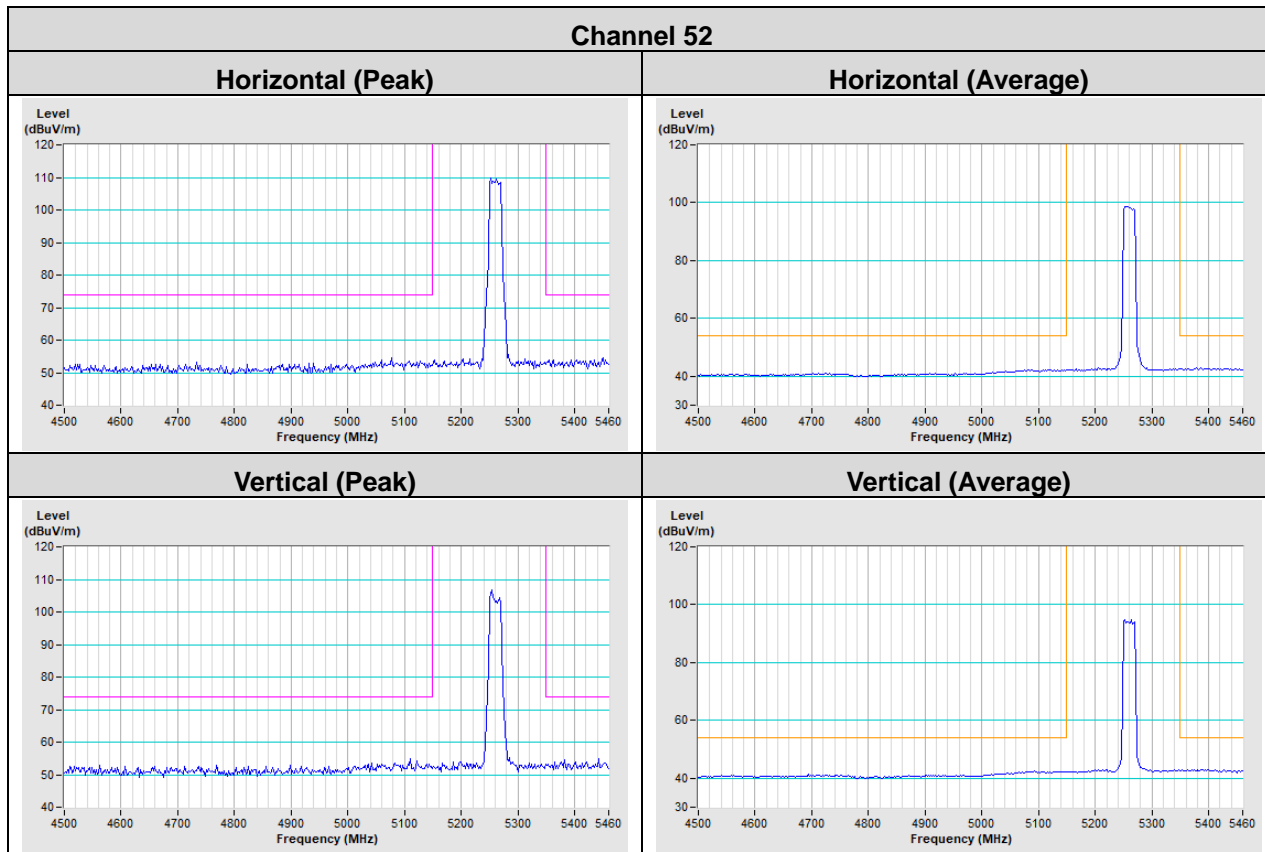




802.11ax (HE80+80)

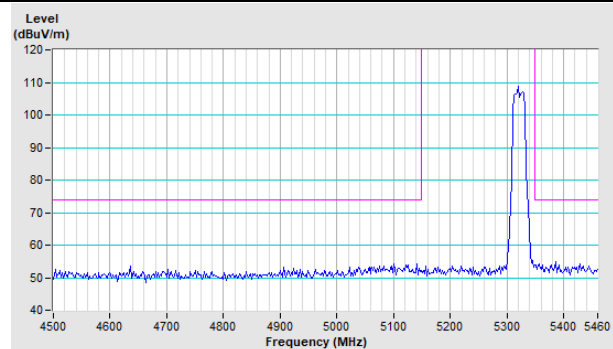


Test Mode A
5G traffic radio: Beamforming Mode
802.11ax(HE20)

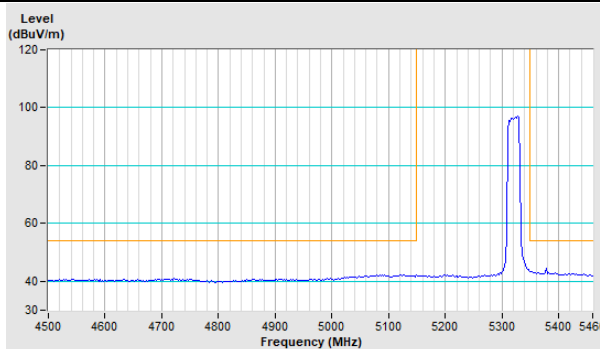


Channel 64

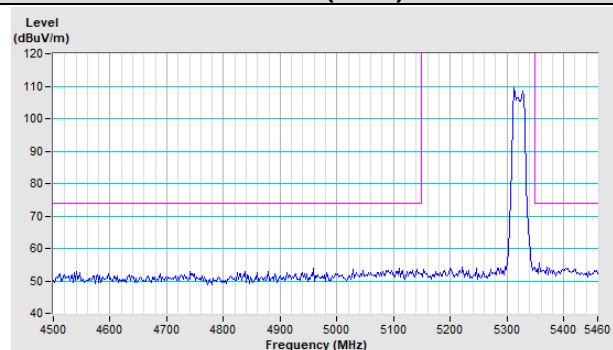
Horizontal (Peak)



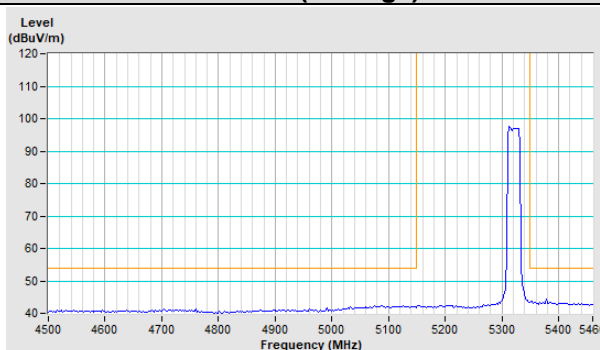
Horizontal (Average)



Vertical (Peak)

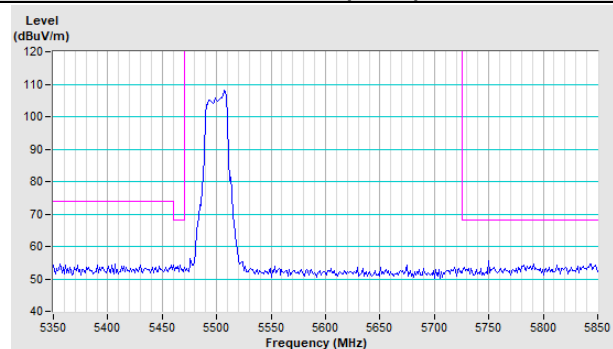


Vertical (Average)

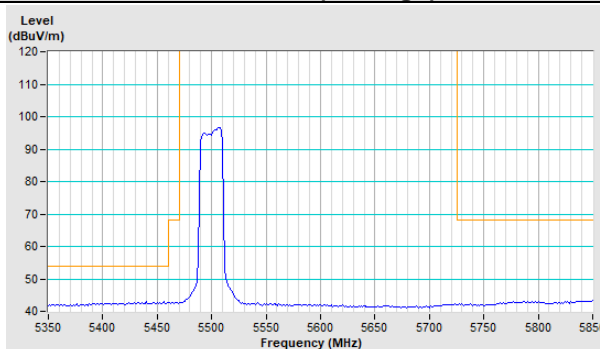


Channel 100

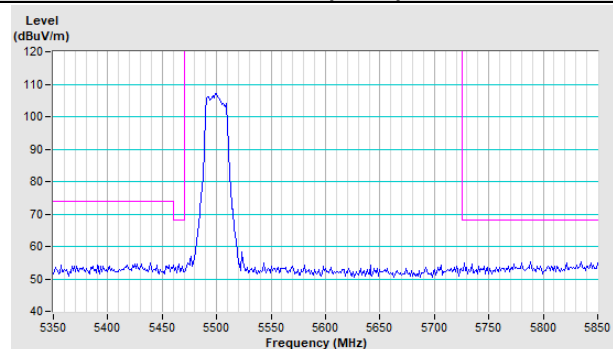
Horizontal (Peak)



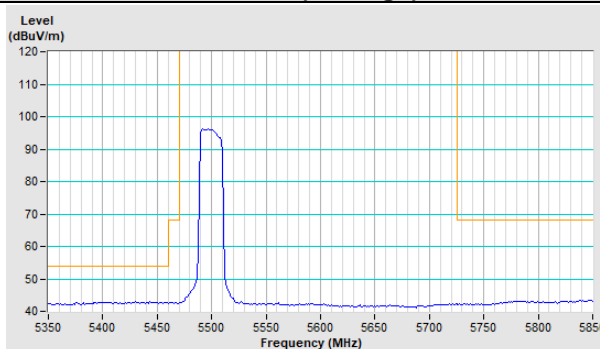
Horizontal (Average)

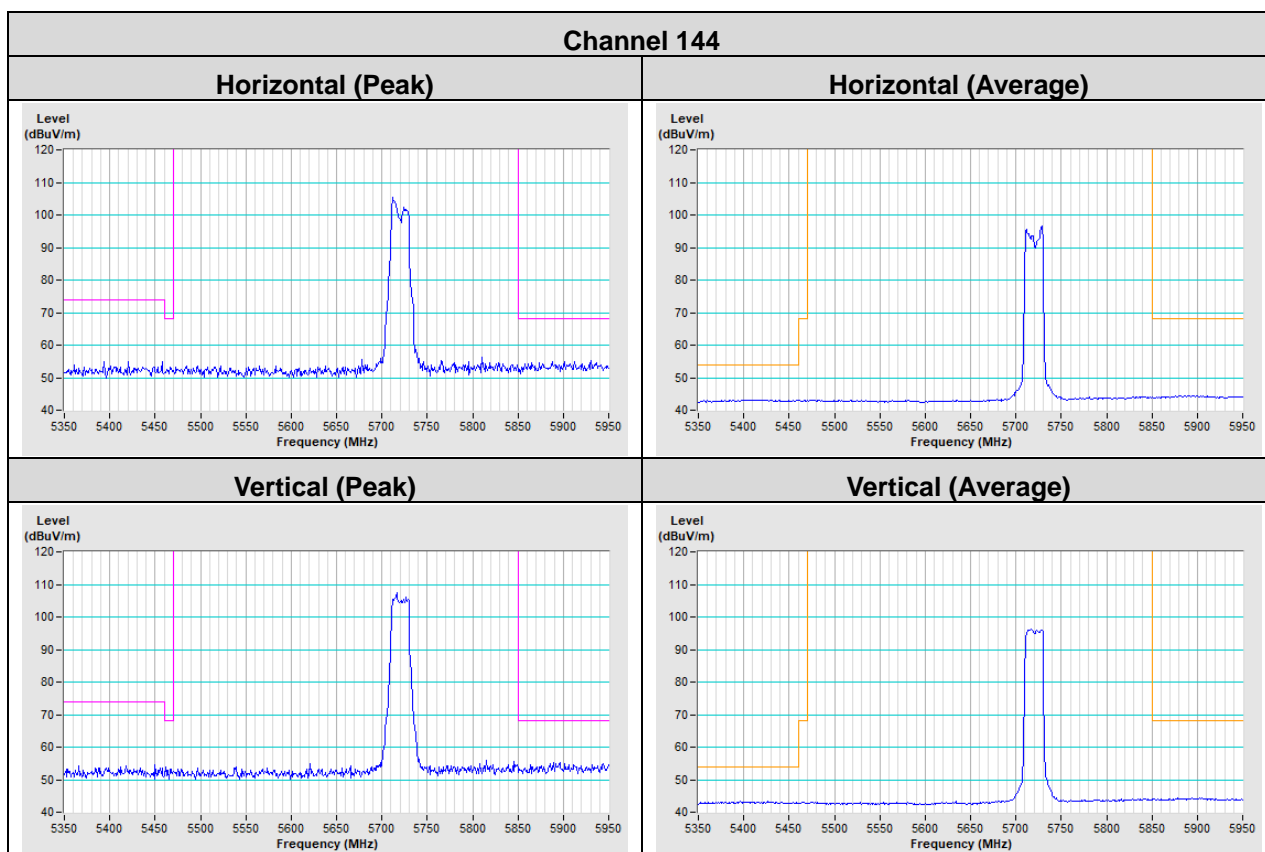
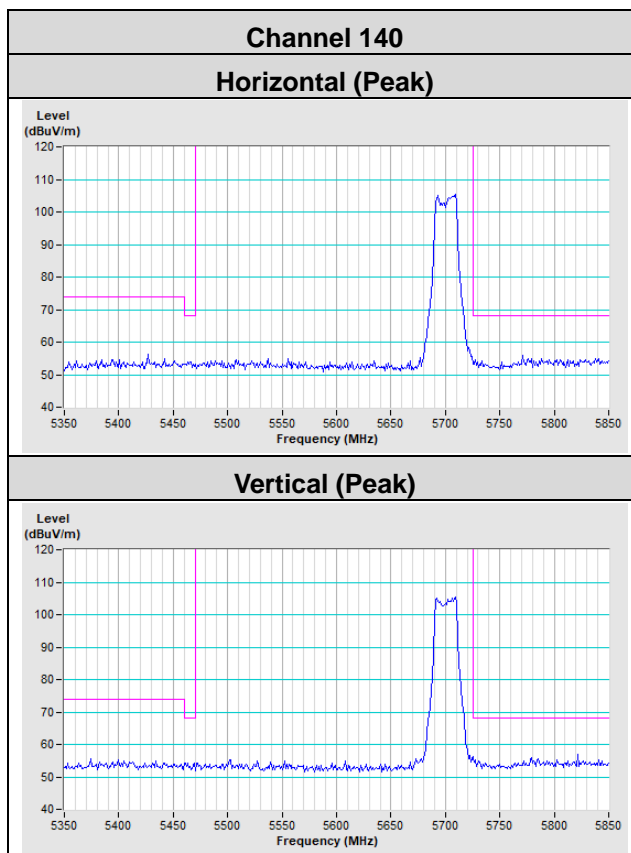


Vertical (Peak)

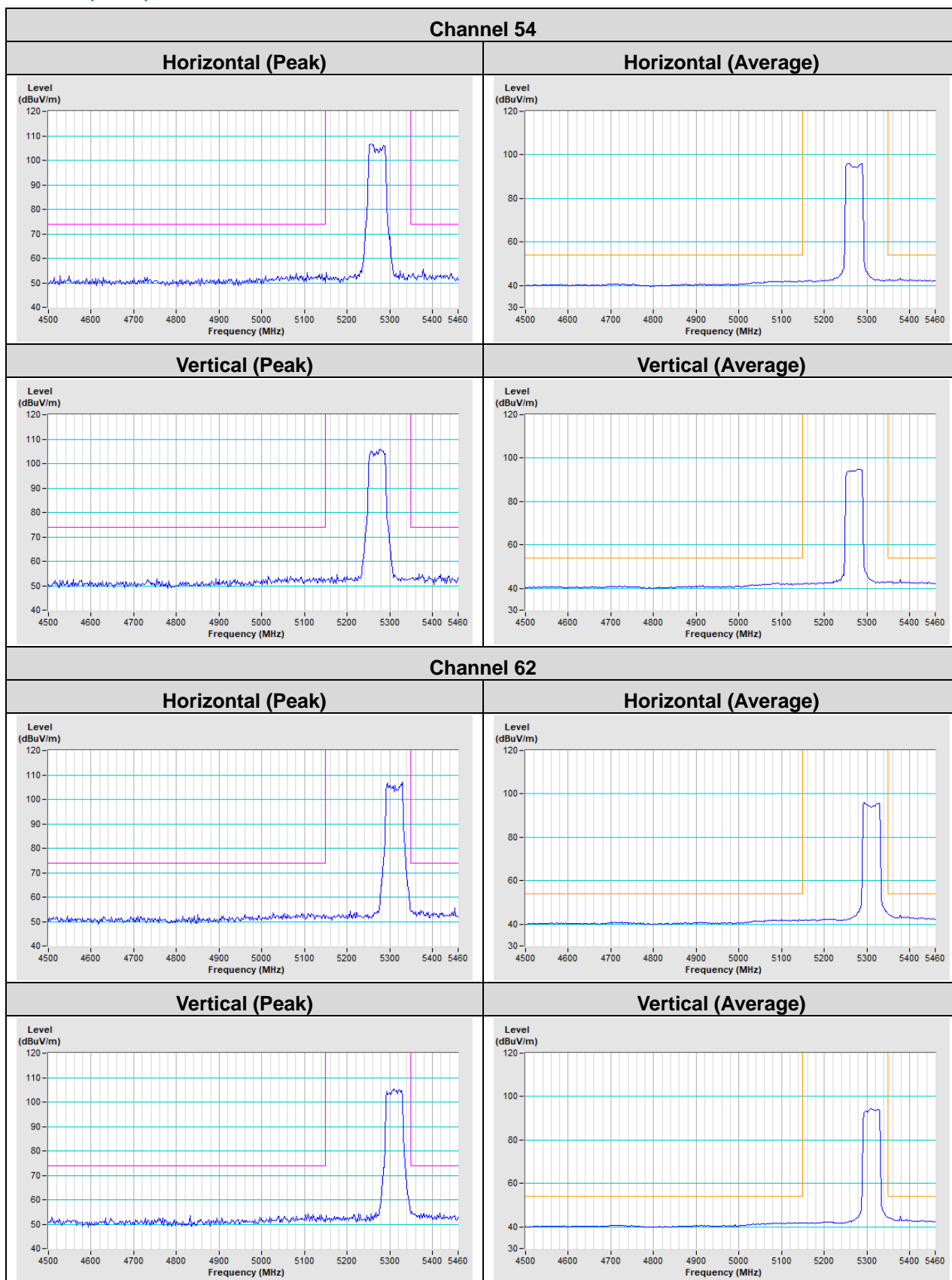


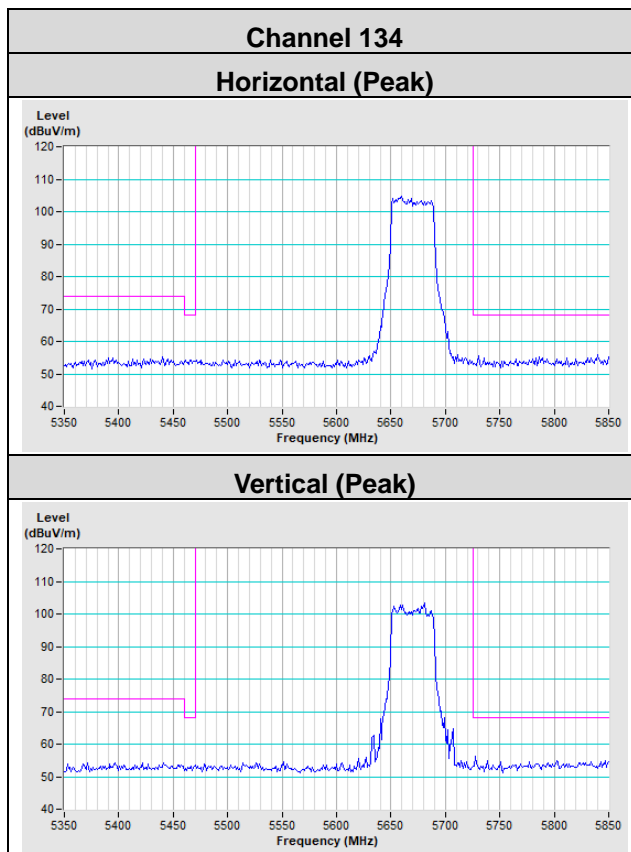
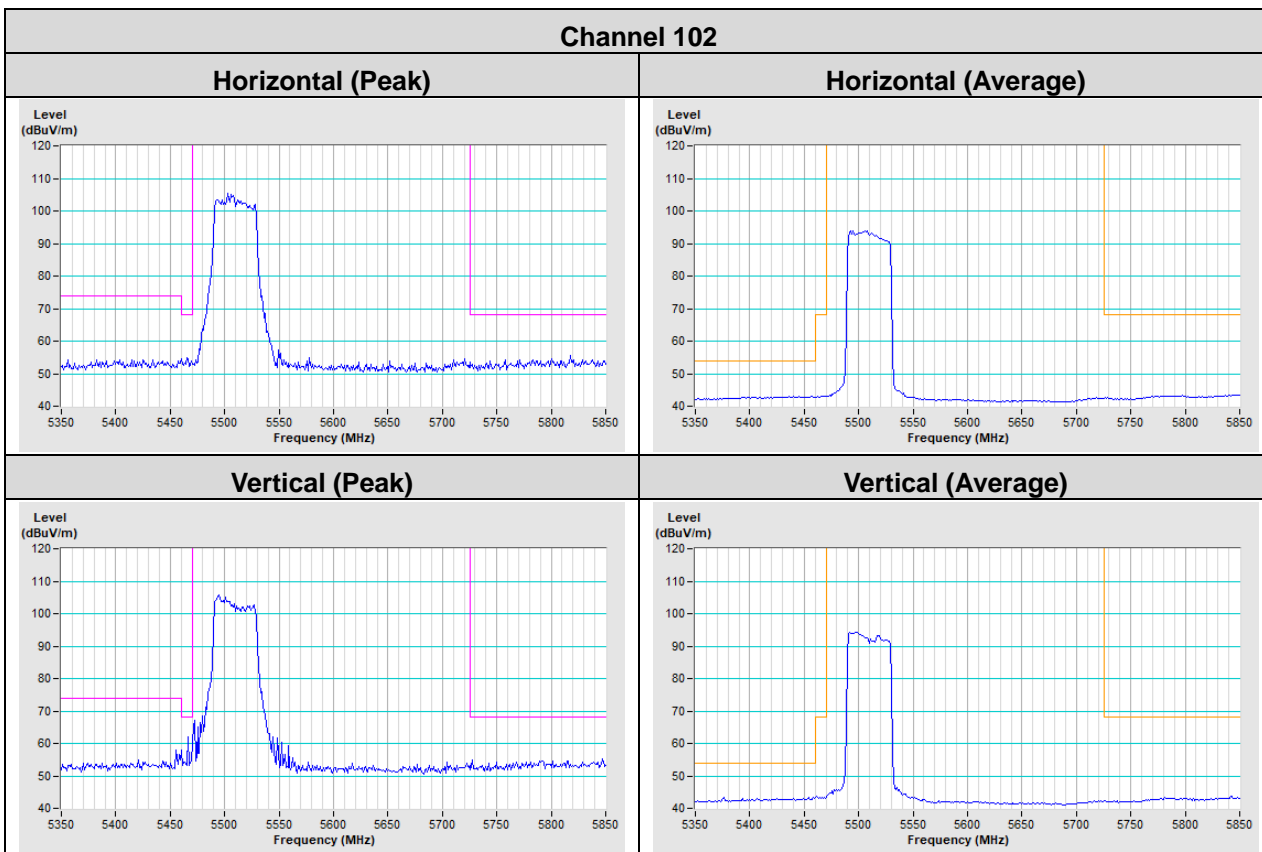
Vertical (Average)





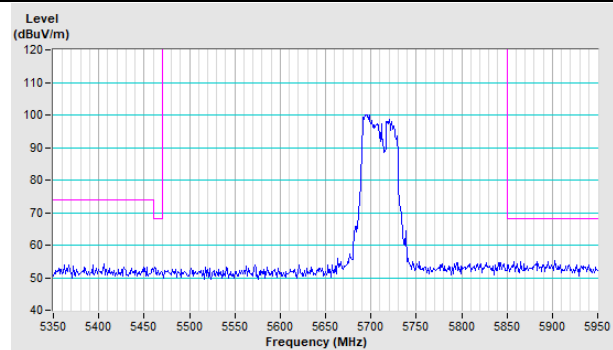
802.11ax (HE40)



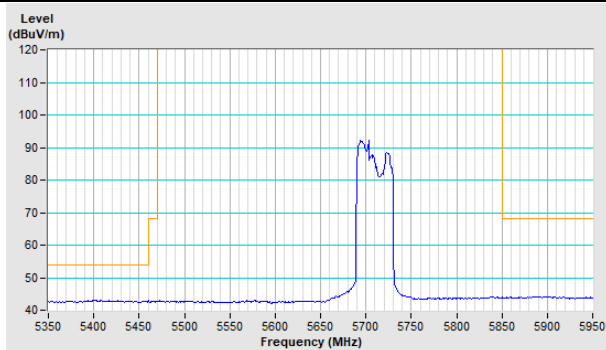


Channel 142

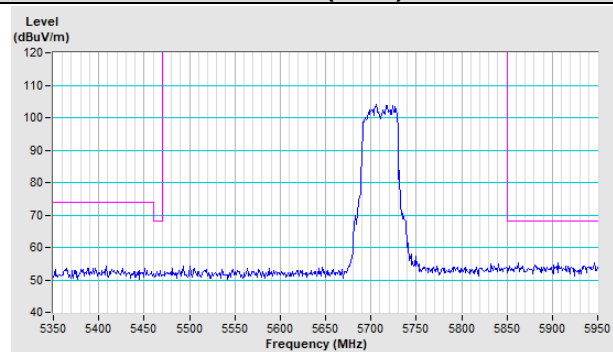
Horizontal (Peak)



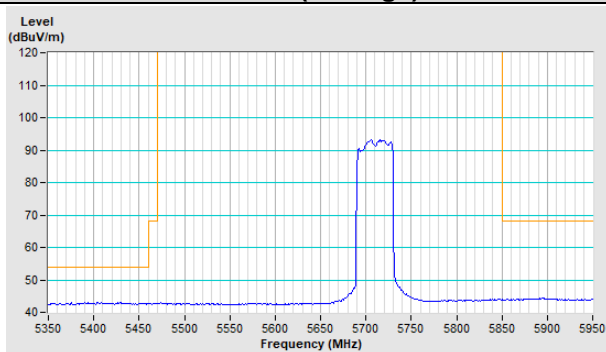
Horizontal (Average)



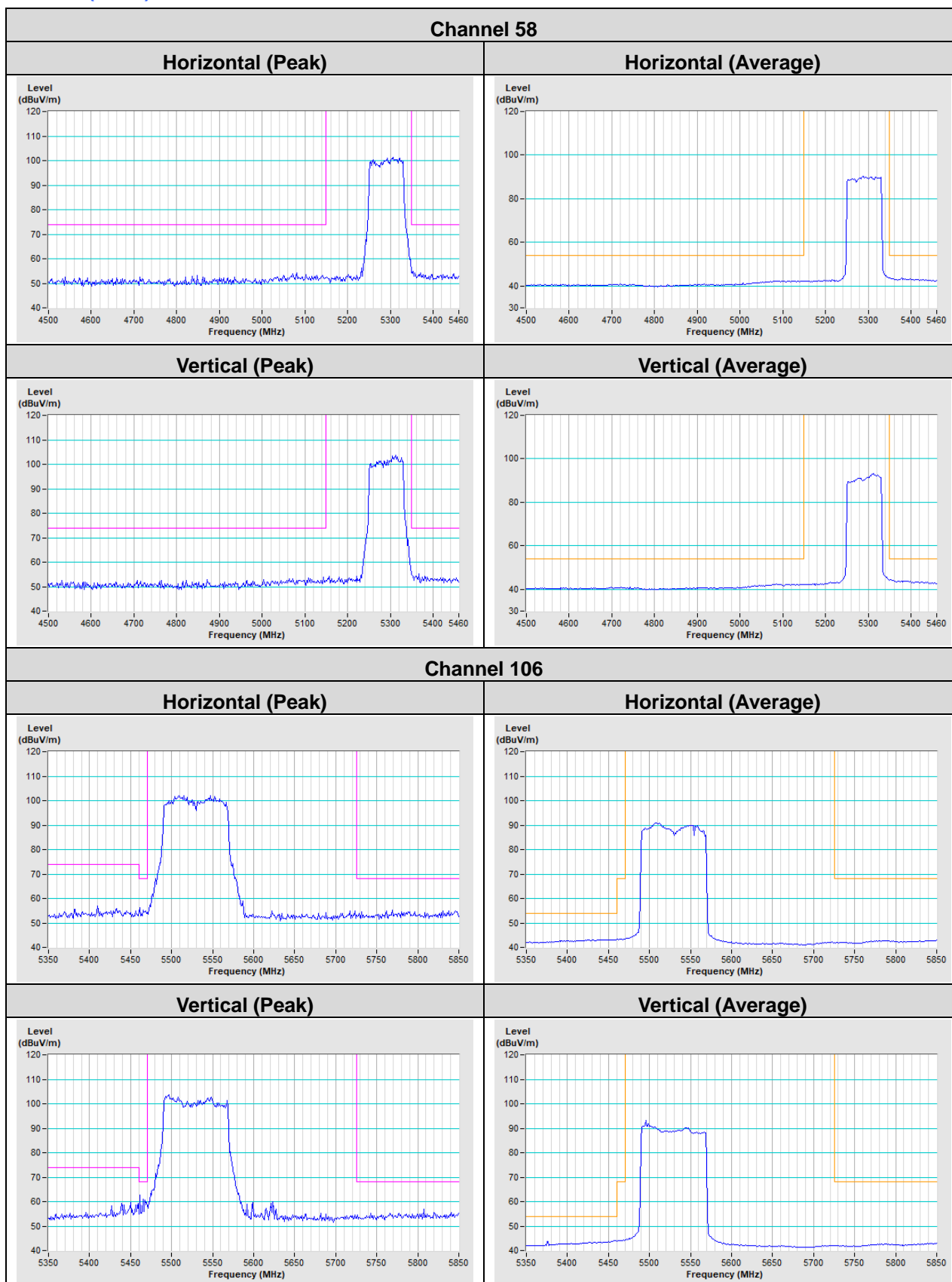
Vertical (Peak)



Vertical (Average)

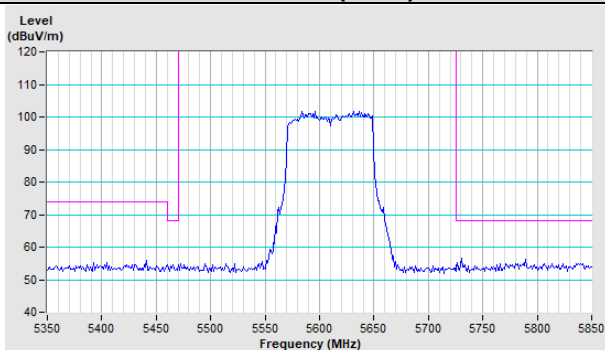


802.11ax (HE80)

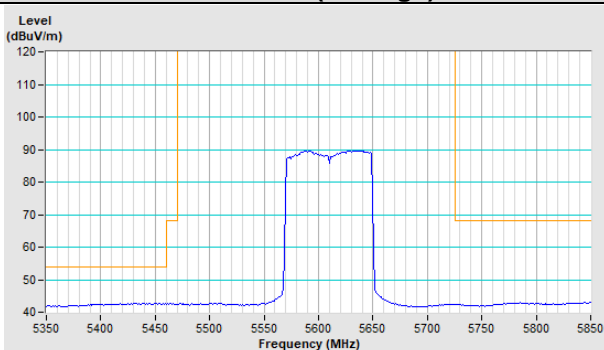


Channel 122

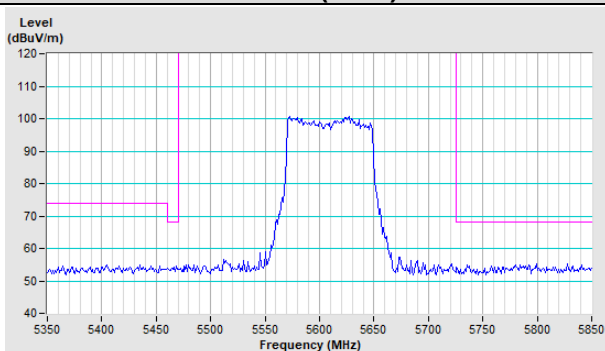
Horizontal (Peak)



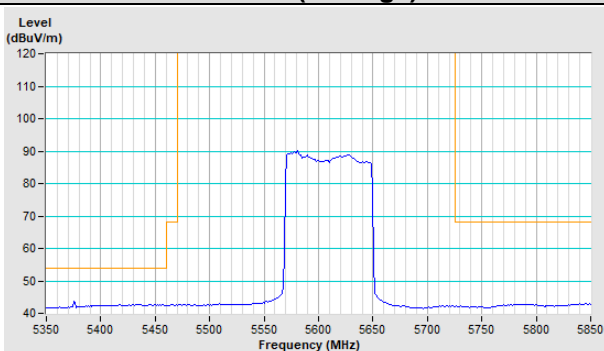
Horizontal (Average)



Vertical (Peak)

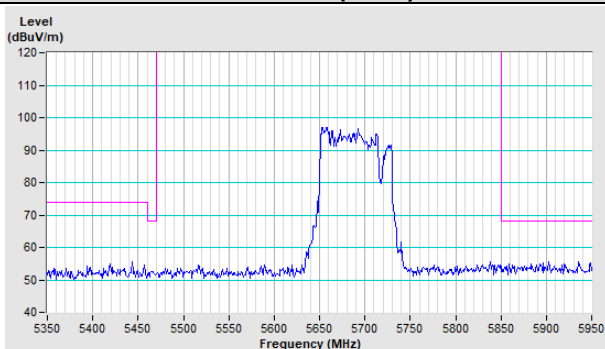


Vertical (Average)

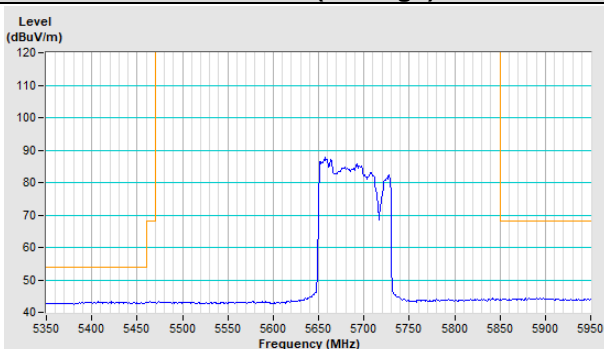


Channel 138

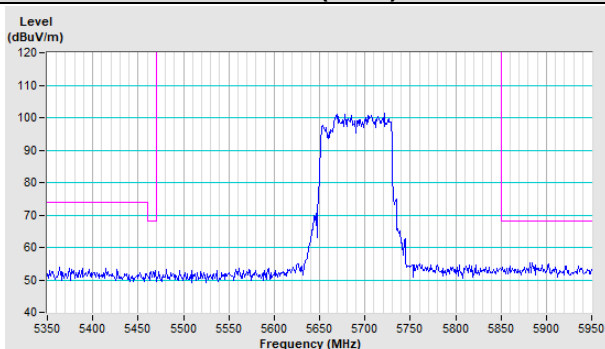
Horizontal (Peak)



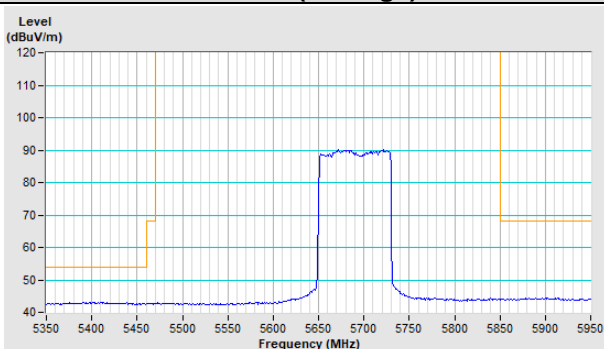
Horizontal (Average)



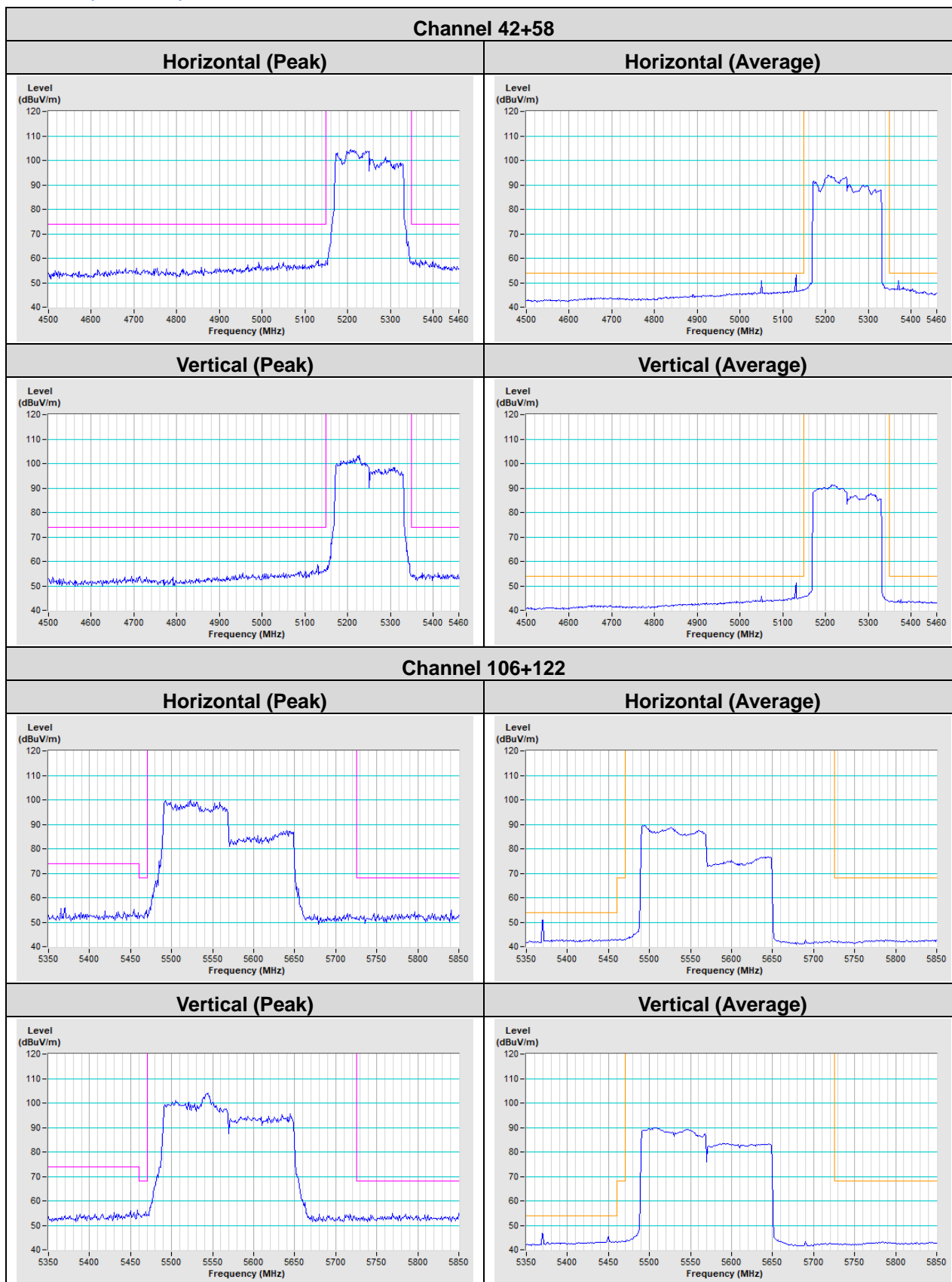
Vertical (Peak)



Vertical (Average)



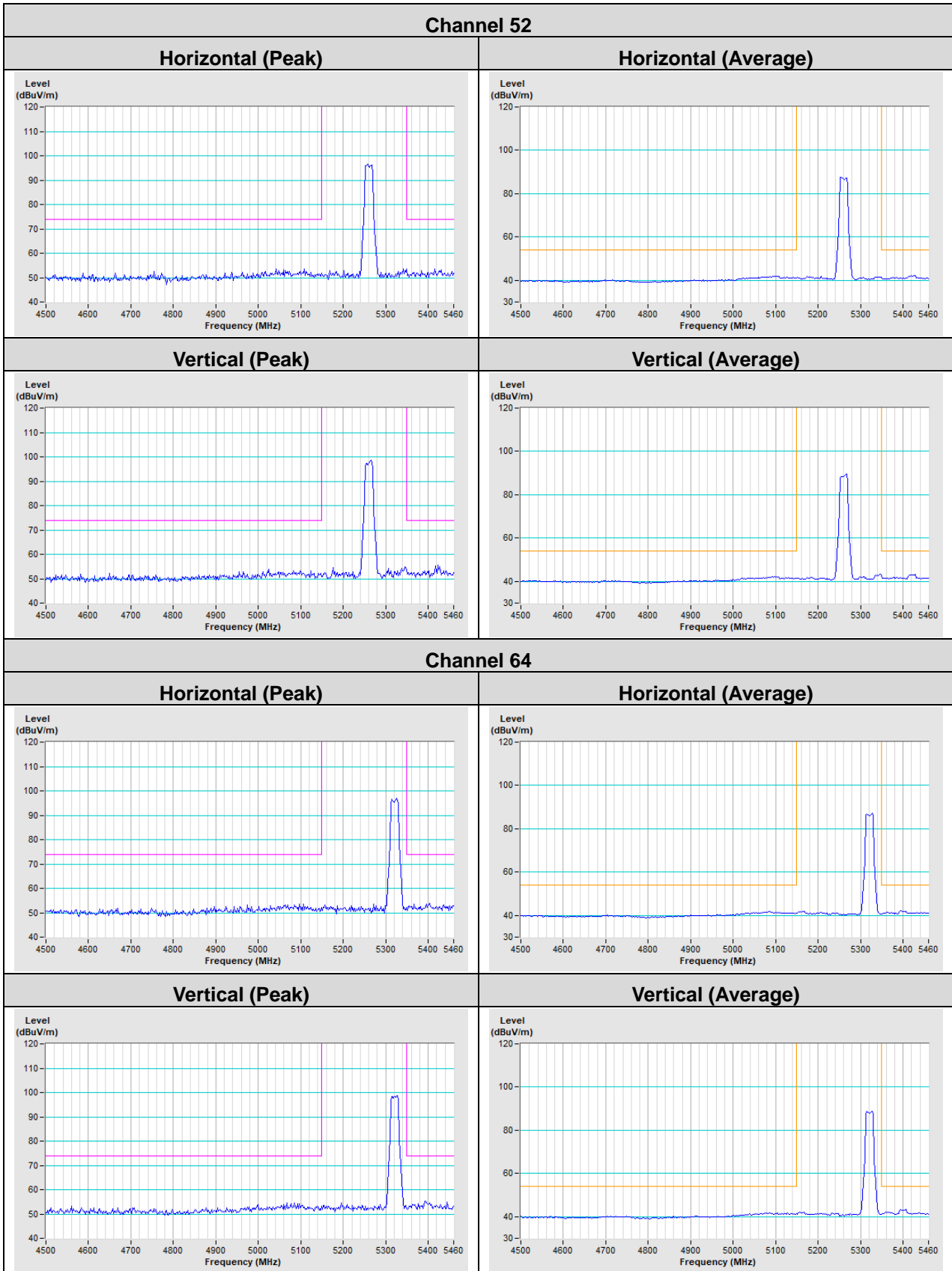
802.11ax (HE80+80)

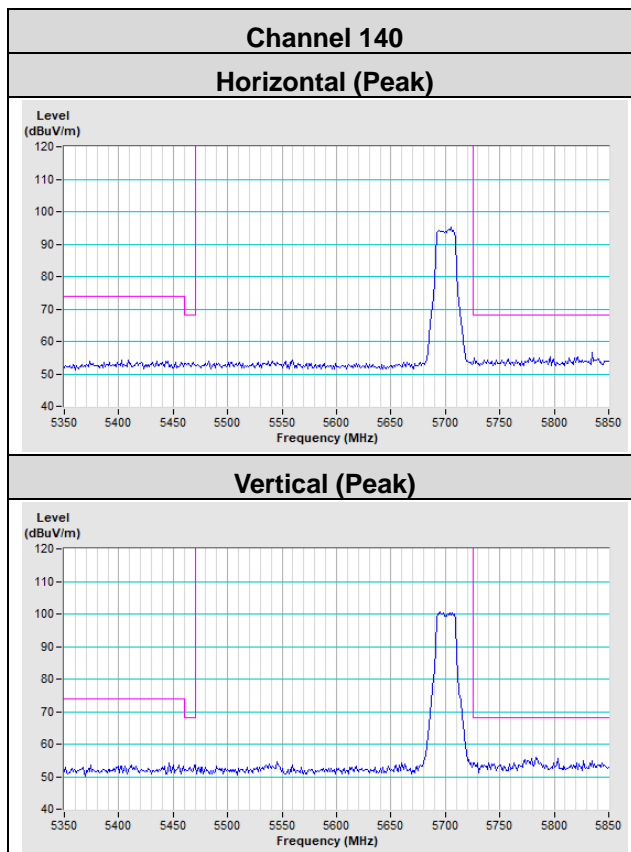
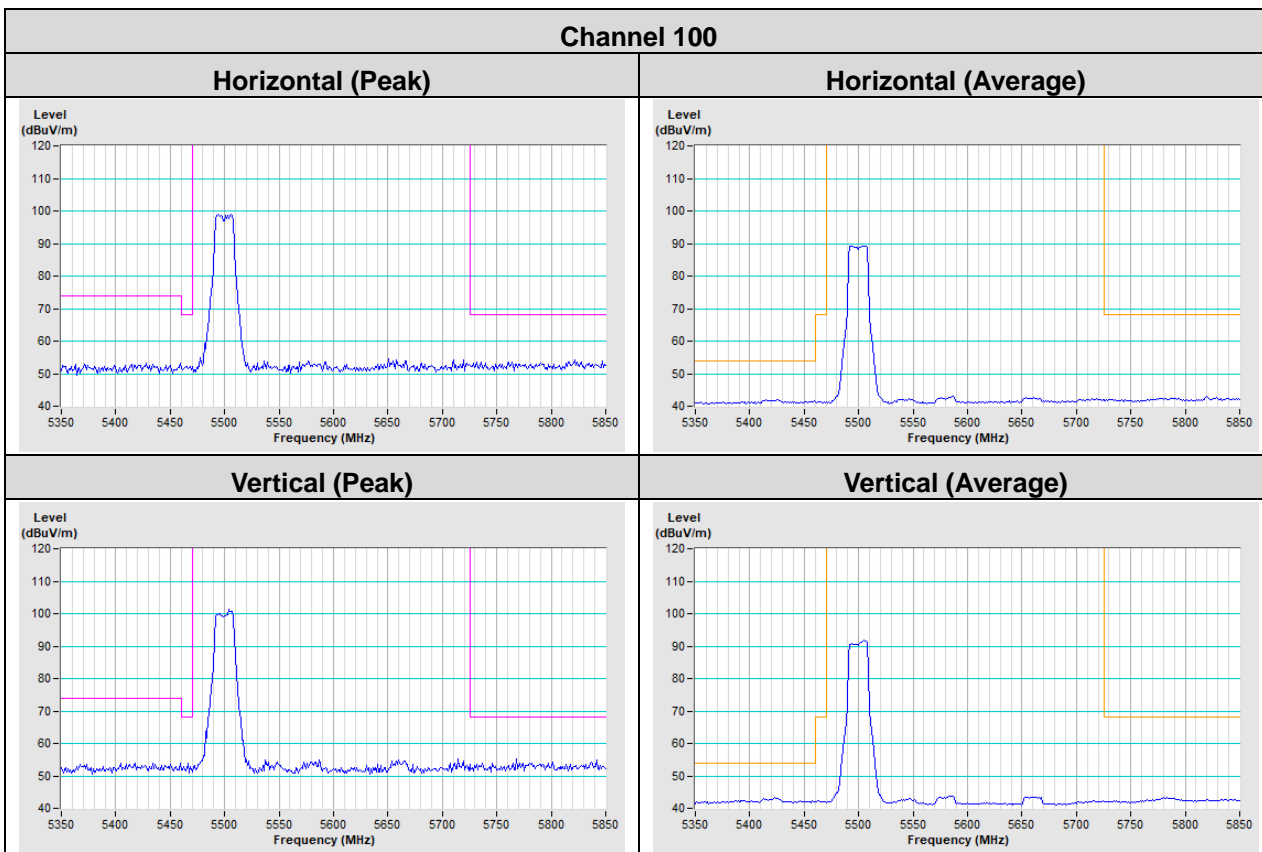


Test Mode A

Scanning radio: CDD Mode

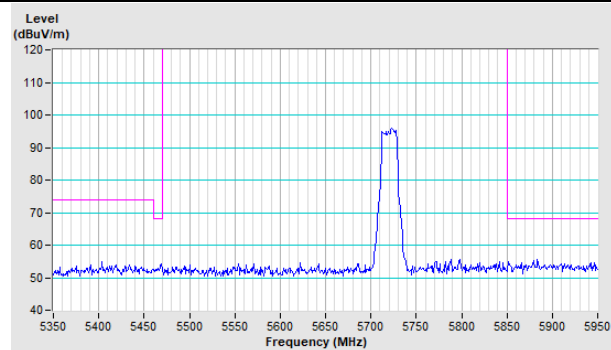
802.11a



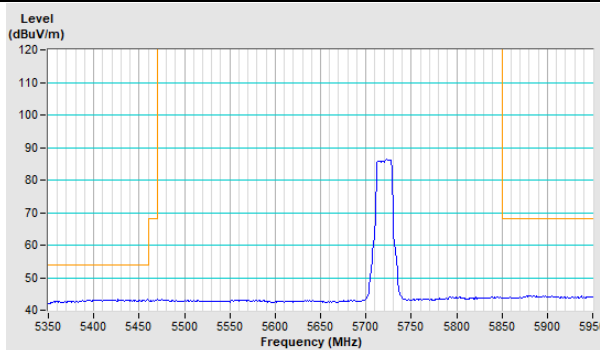


Channel 144

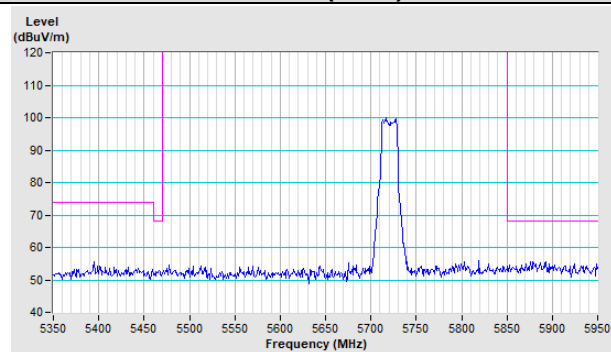
Horizontal (Peak)



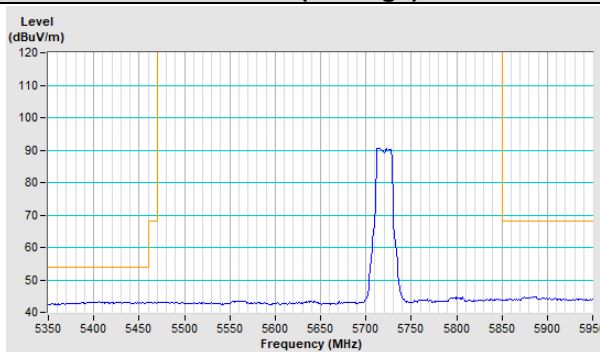
Horizontal (Average)



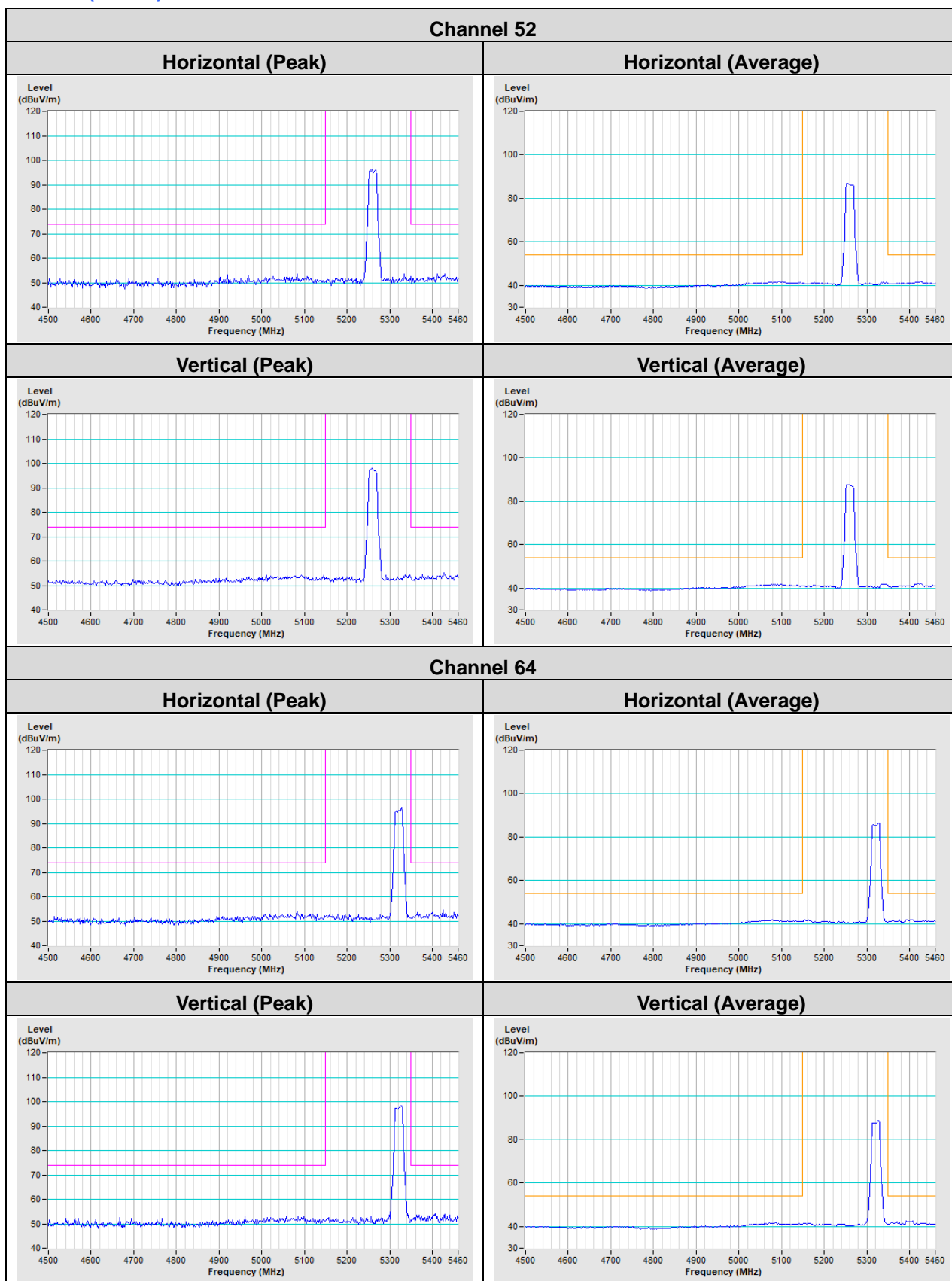
Vertical (Peak)

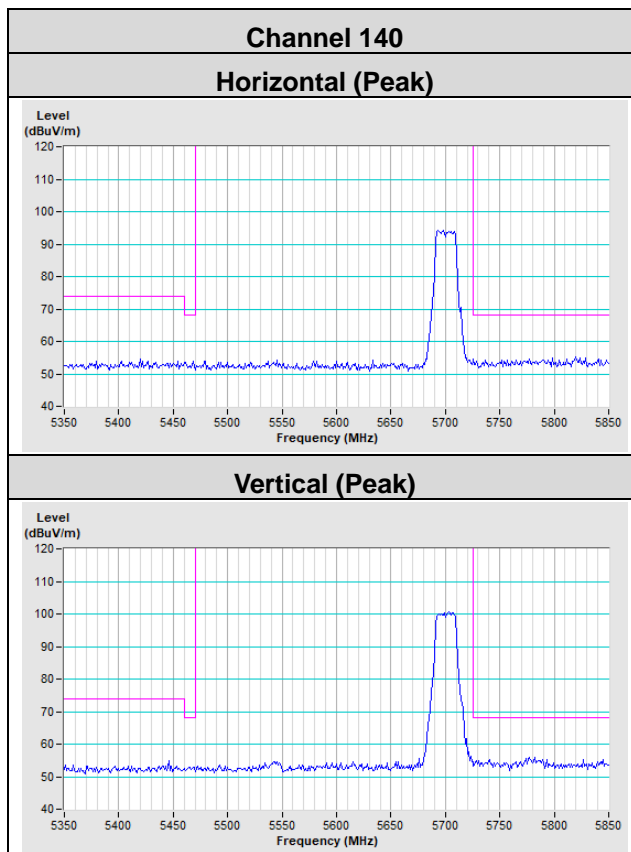
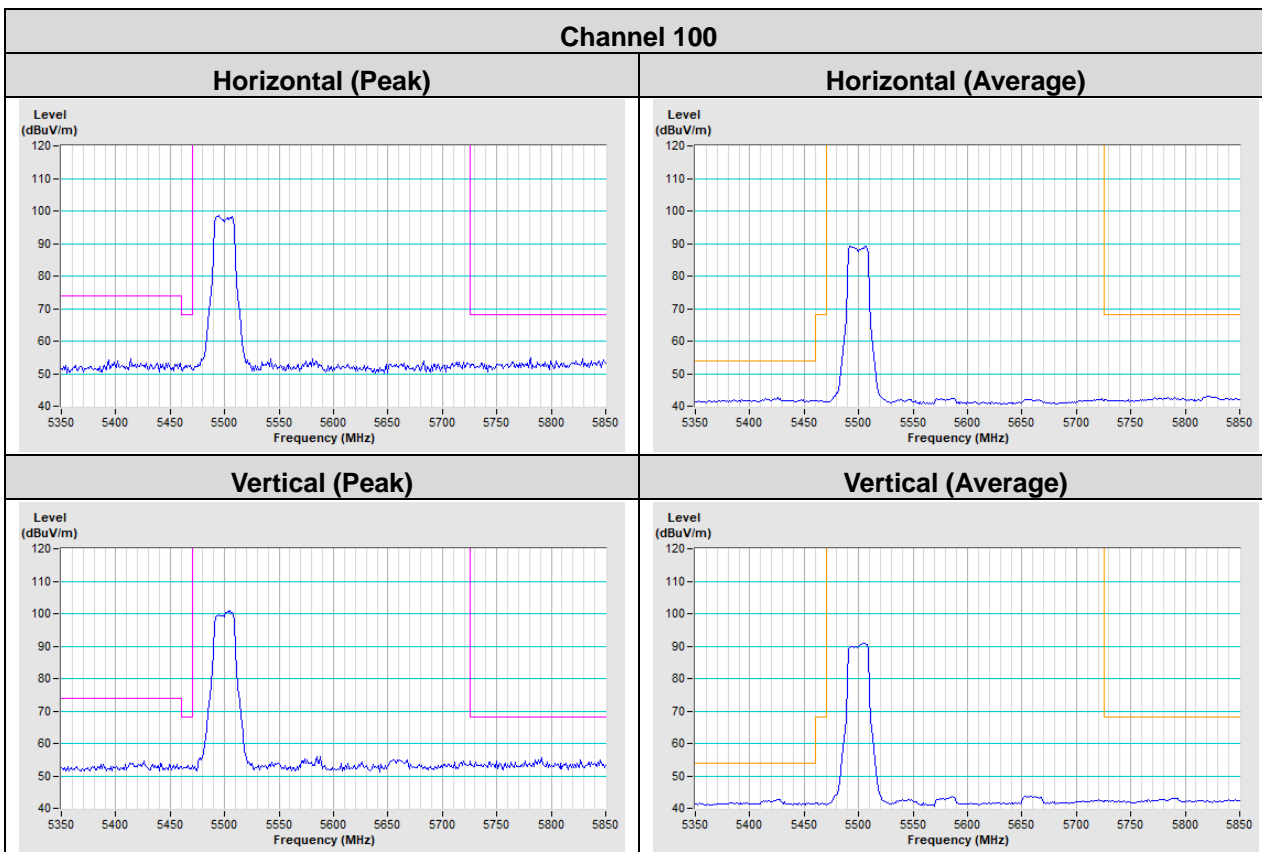


Vertical (Average)



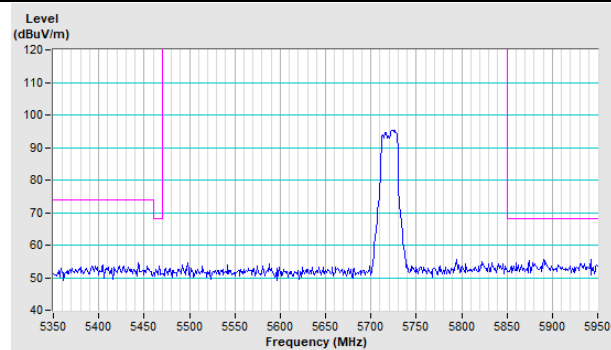
802.11ac (VHT20)



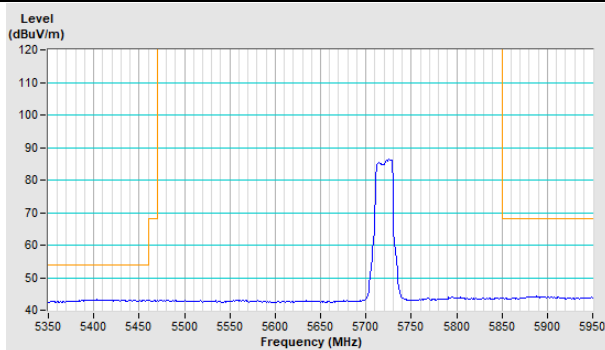


Channel 144

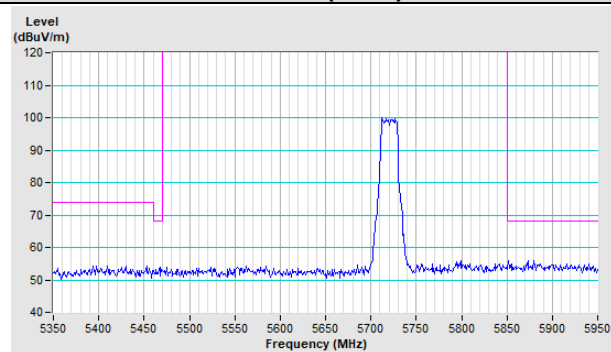
Horizontal (Peak)



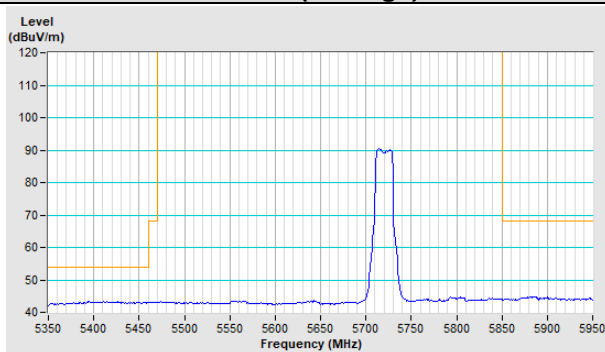
Horizontal (Average)



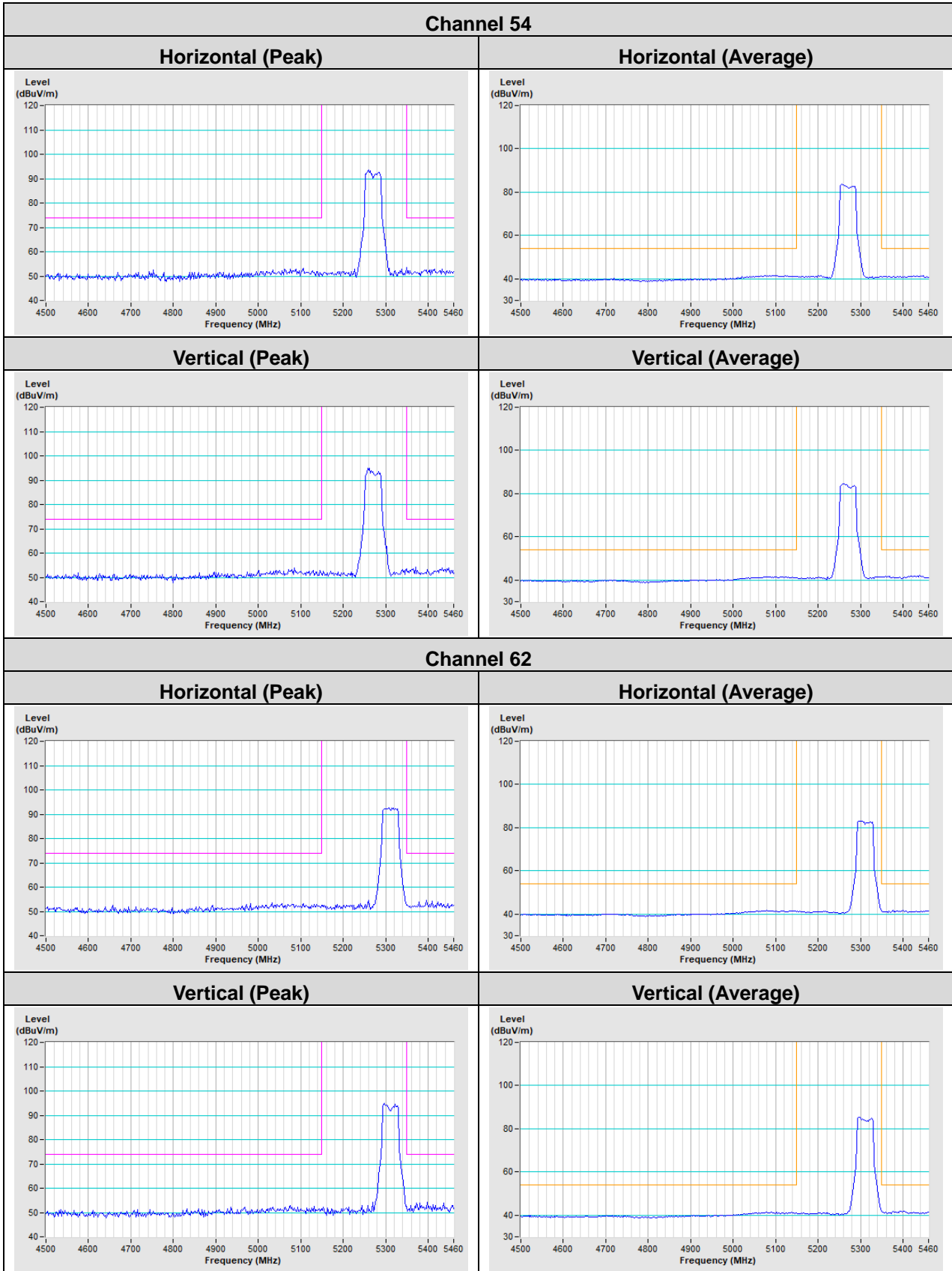
Vertical (Peak)

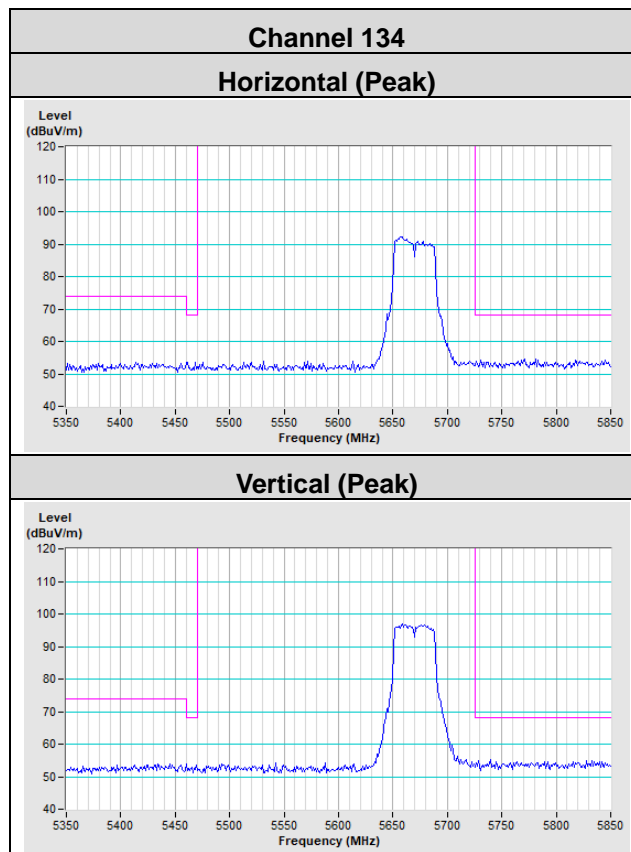
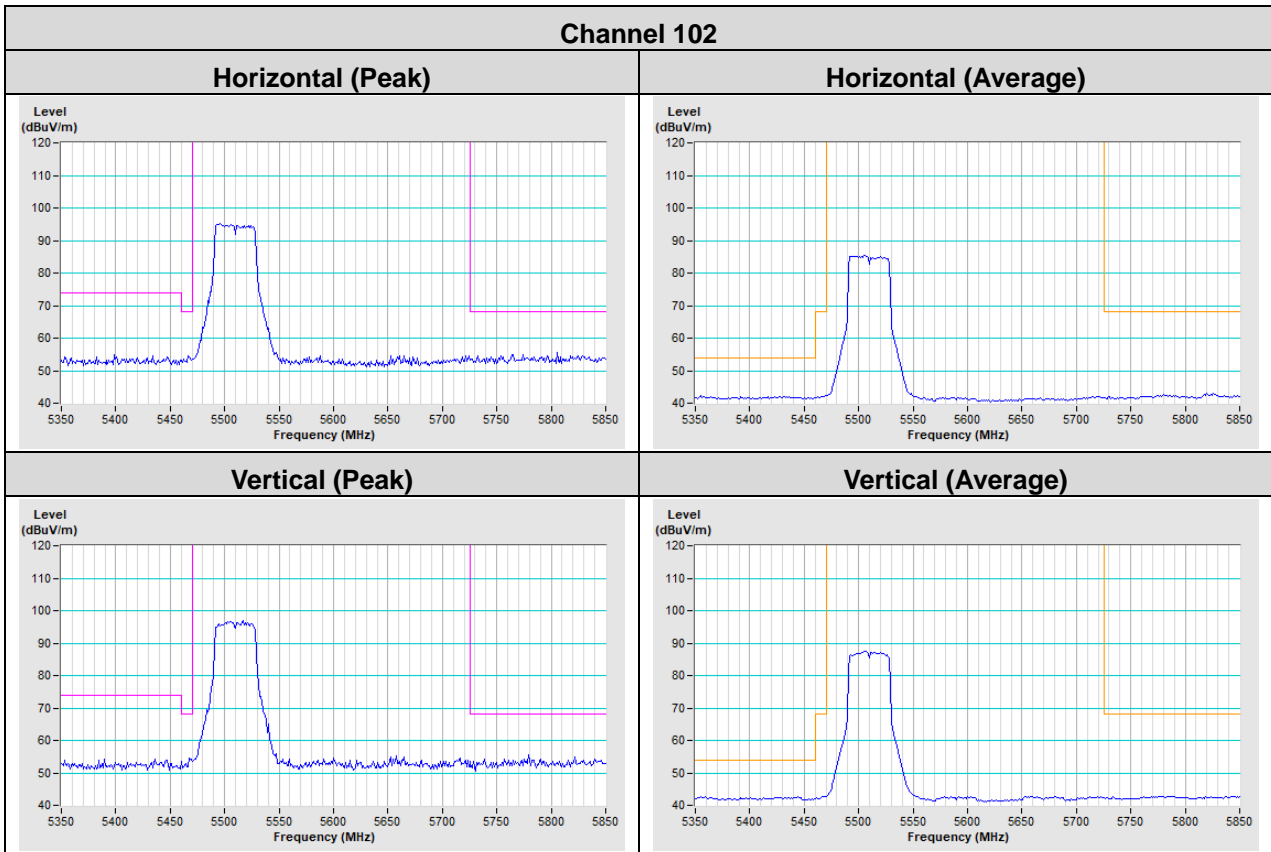


Vertical (Average)



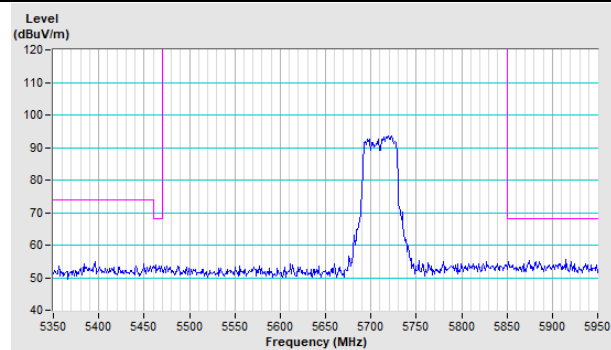
802.11ac (VHT40)



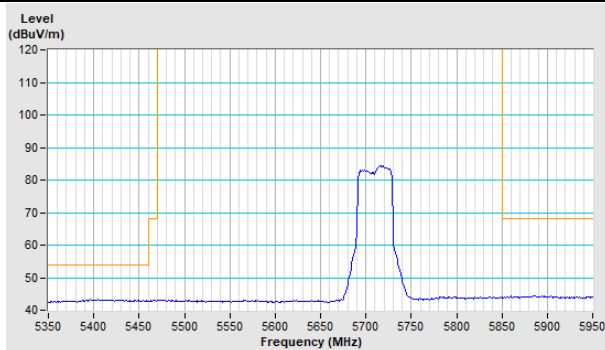


Channel 142

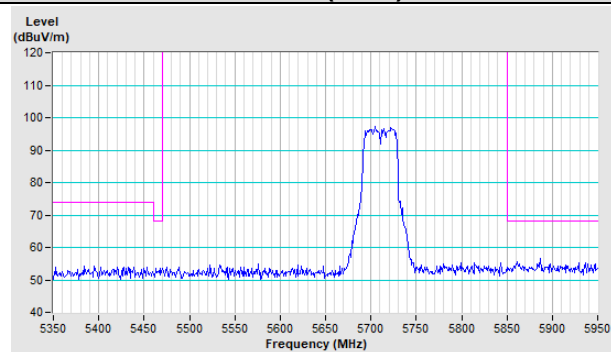
Horizontal (Peak)



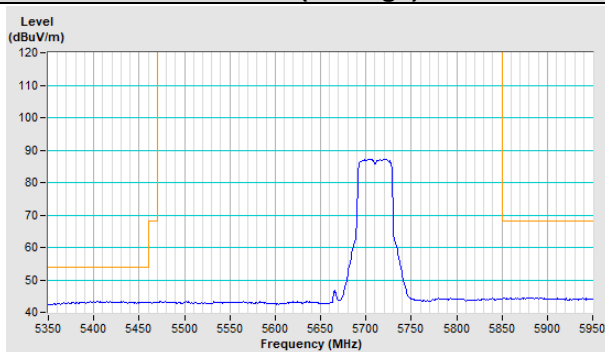
Horizontal (Average)



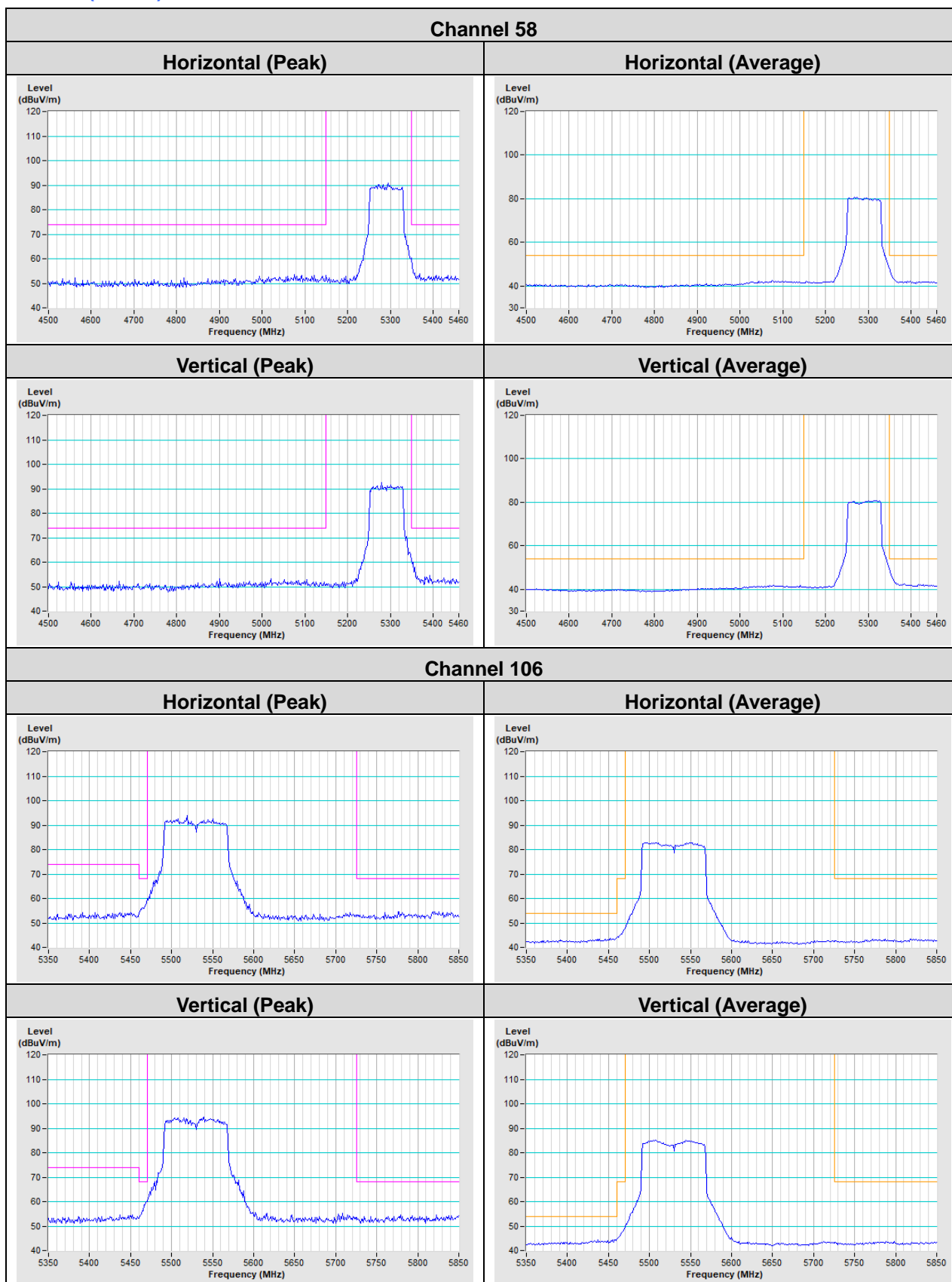
Vertical (Peak)



Vertical (Average)

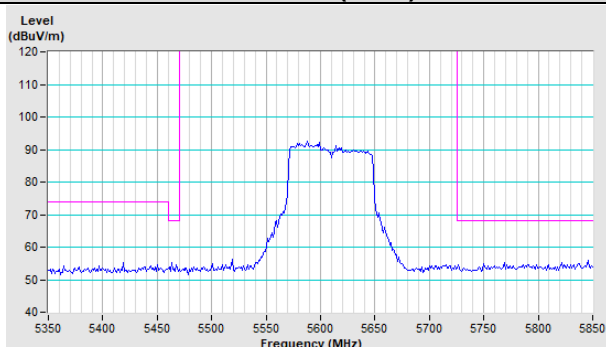


802.11ac (VHT80)

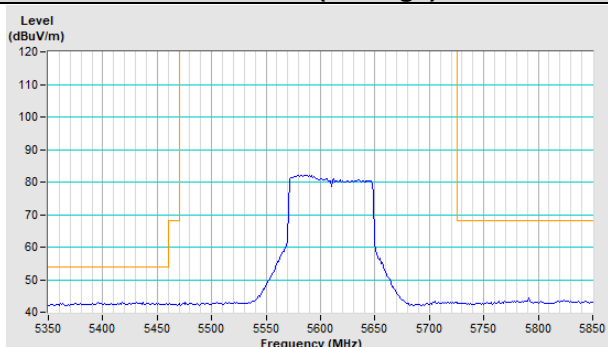


Channel 122

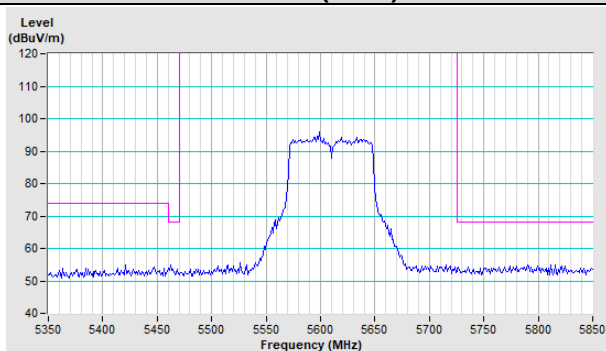
Horizontal (Peak)



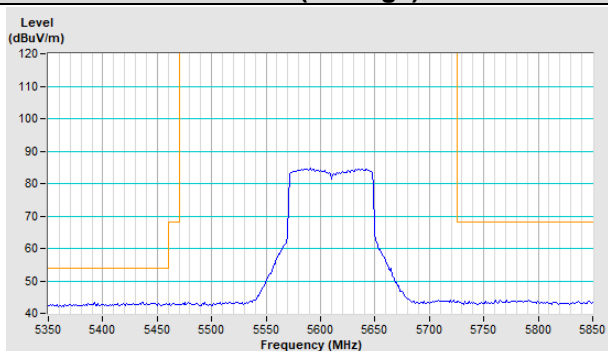
Horizontal (Average)



Vertical (Peak)

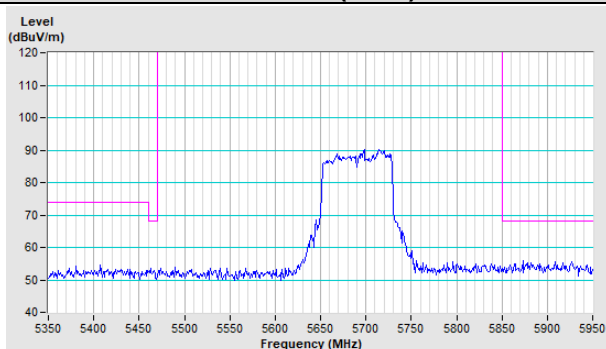


Vertical (Average)

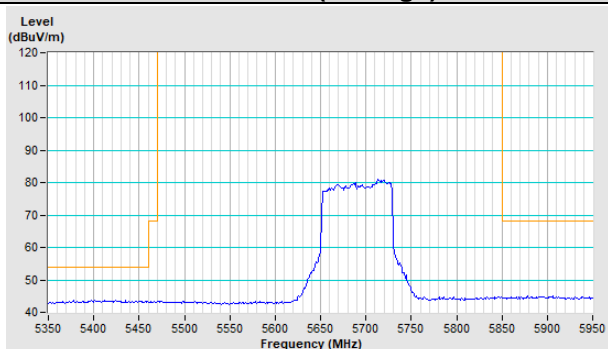


Channel 138

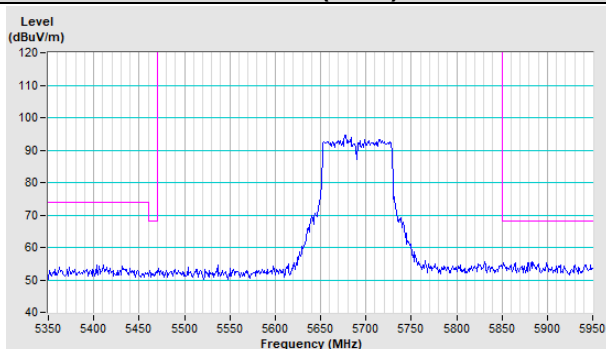
Horizontal (Peak)



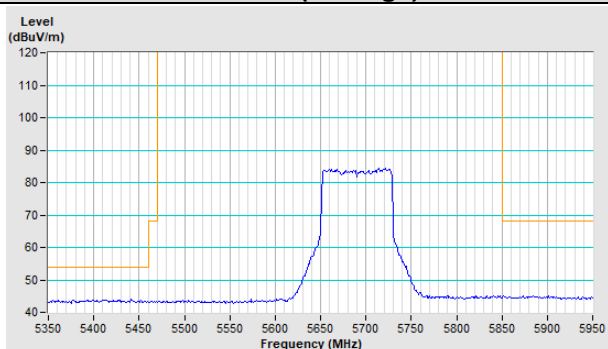
Horizontal (Average)



Vertical (Peak)



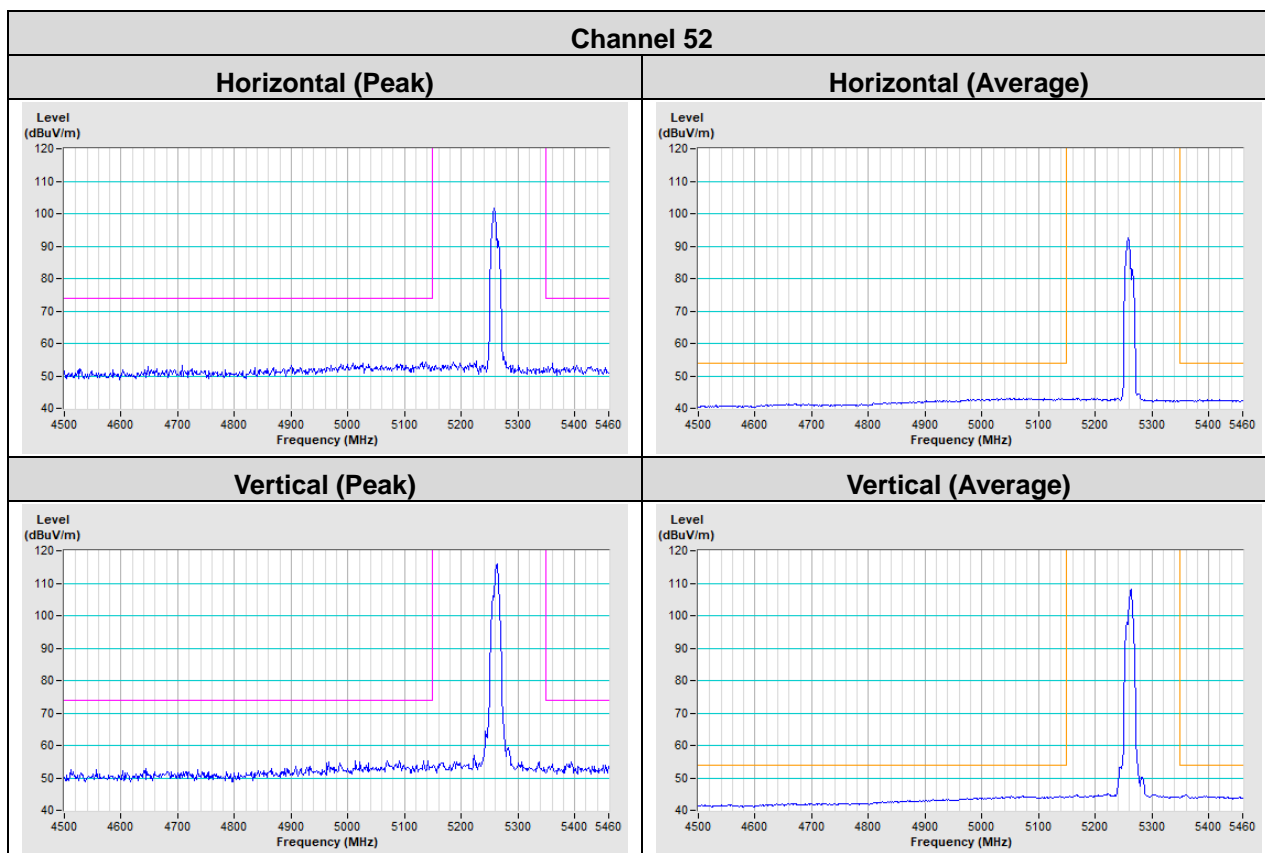
Vertical (Average)



Test Mode C

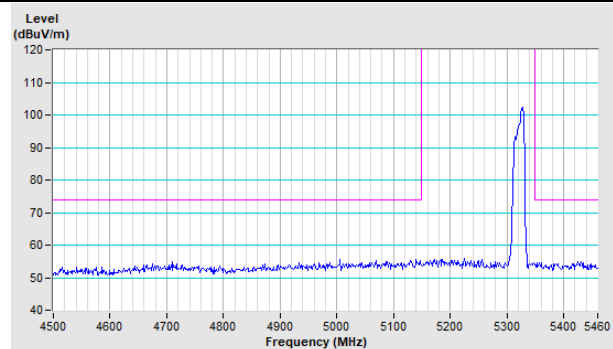
5G traffic radio: CDD Mode

802.11a

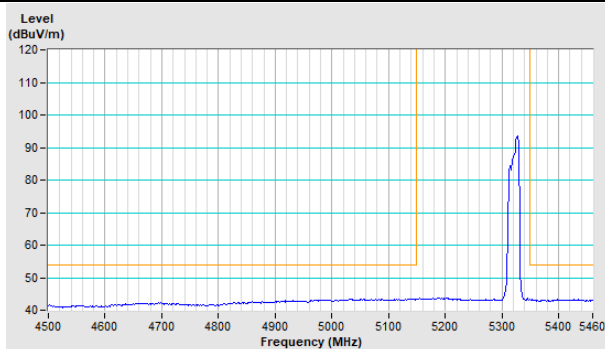


Channel 64

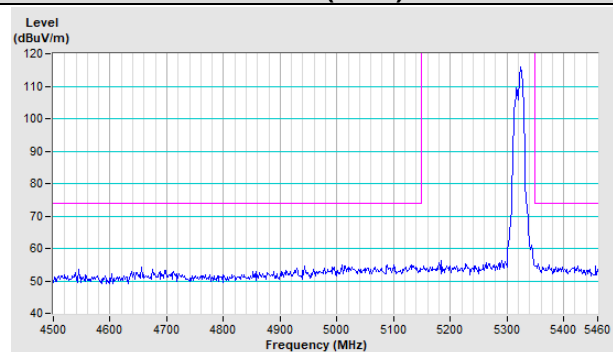
Horizontal (Peak)



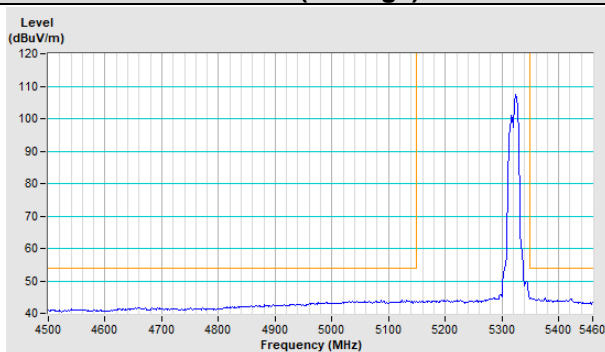
Horizontal (Average)



Vertical (Peak)

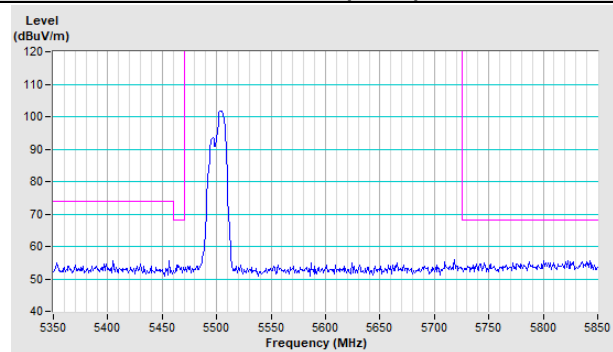


Vertical (Average)

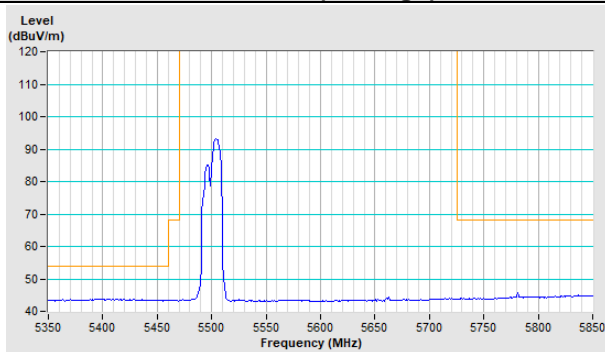


Channel 100

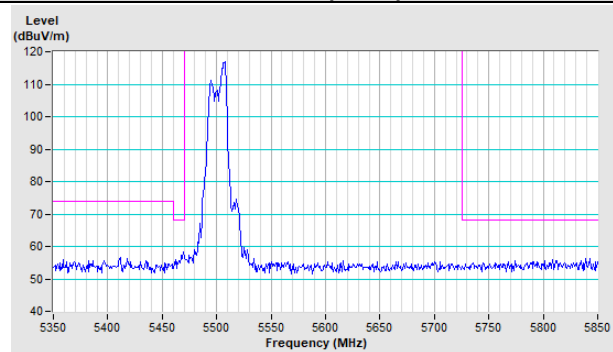
Horizontal (Peak)



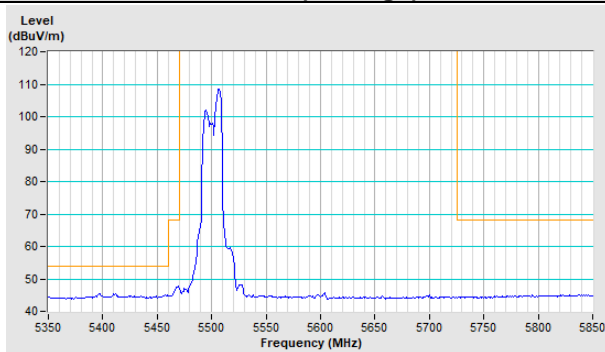
Horizontal (Average)

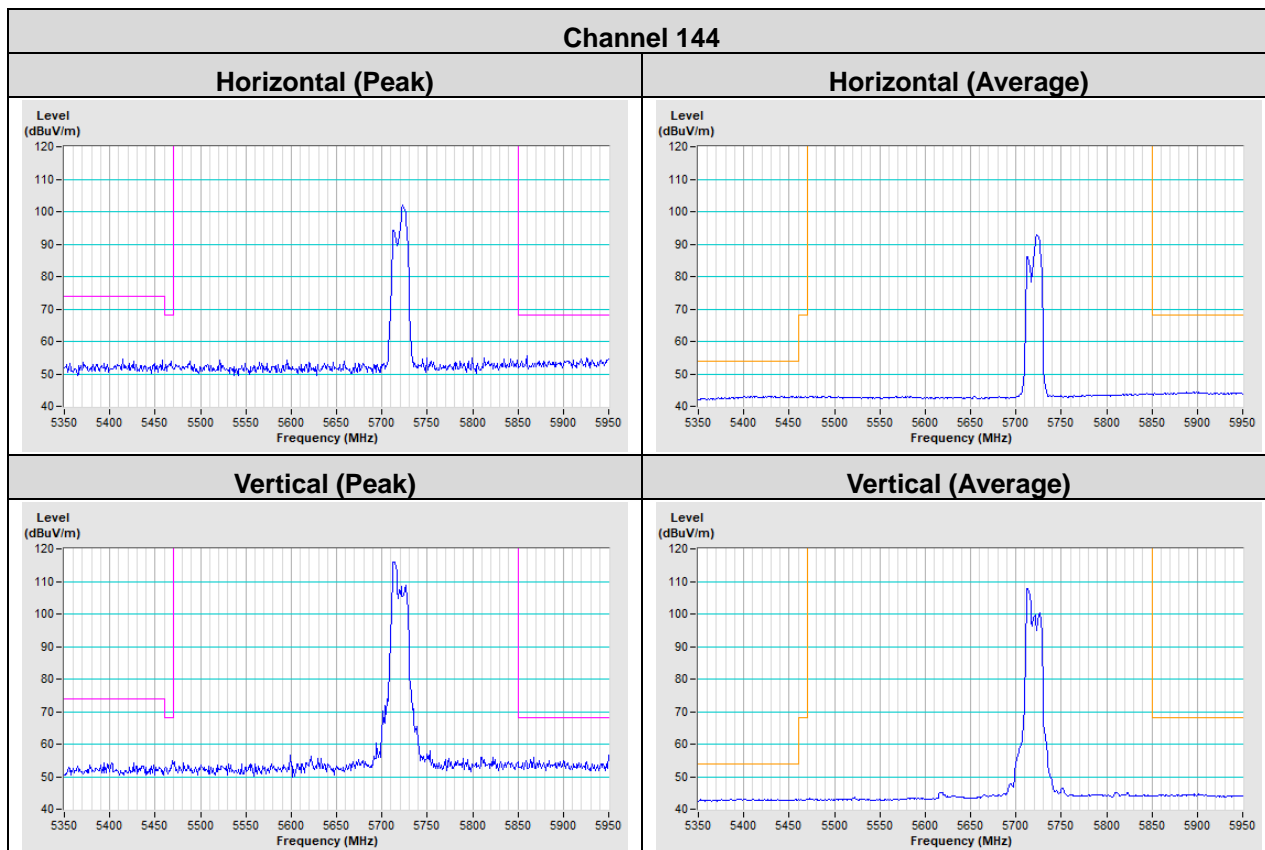
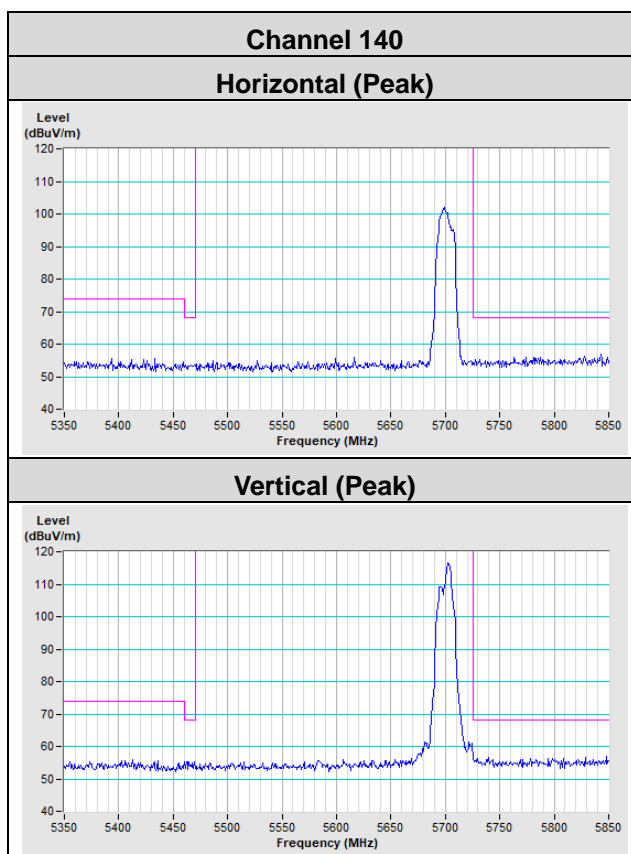


Vertical (Peak)

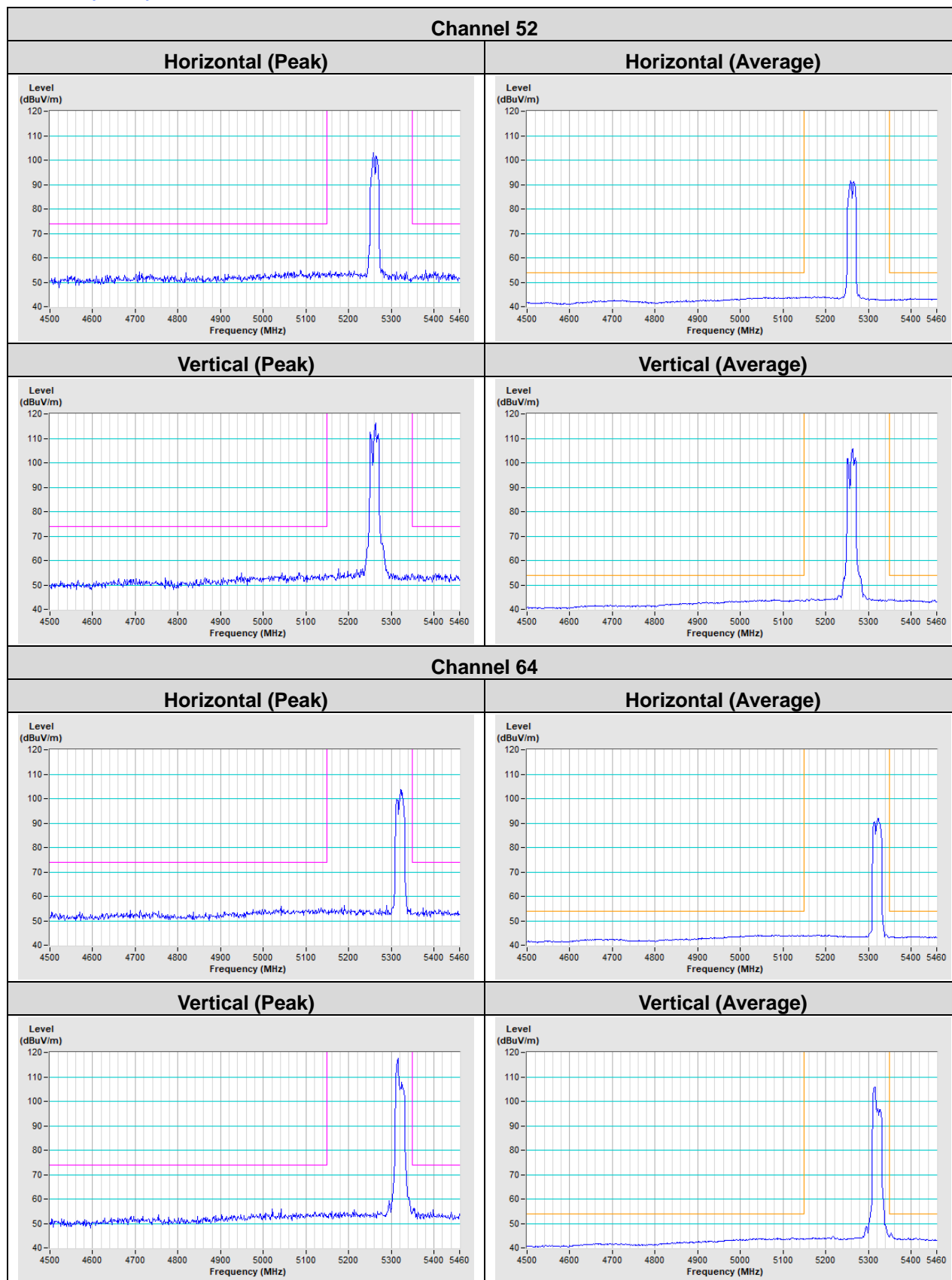


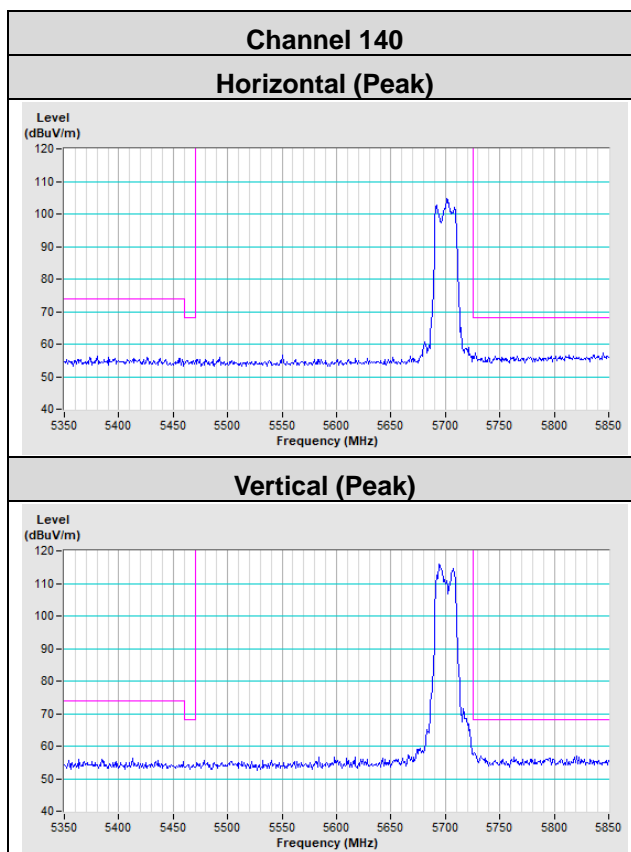
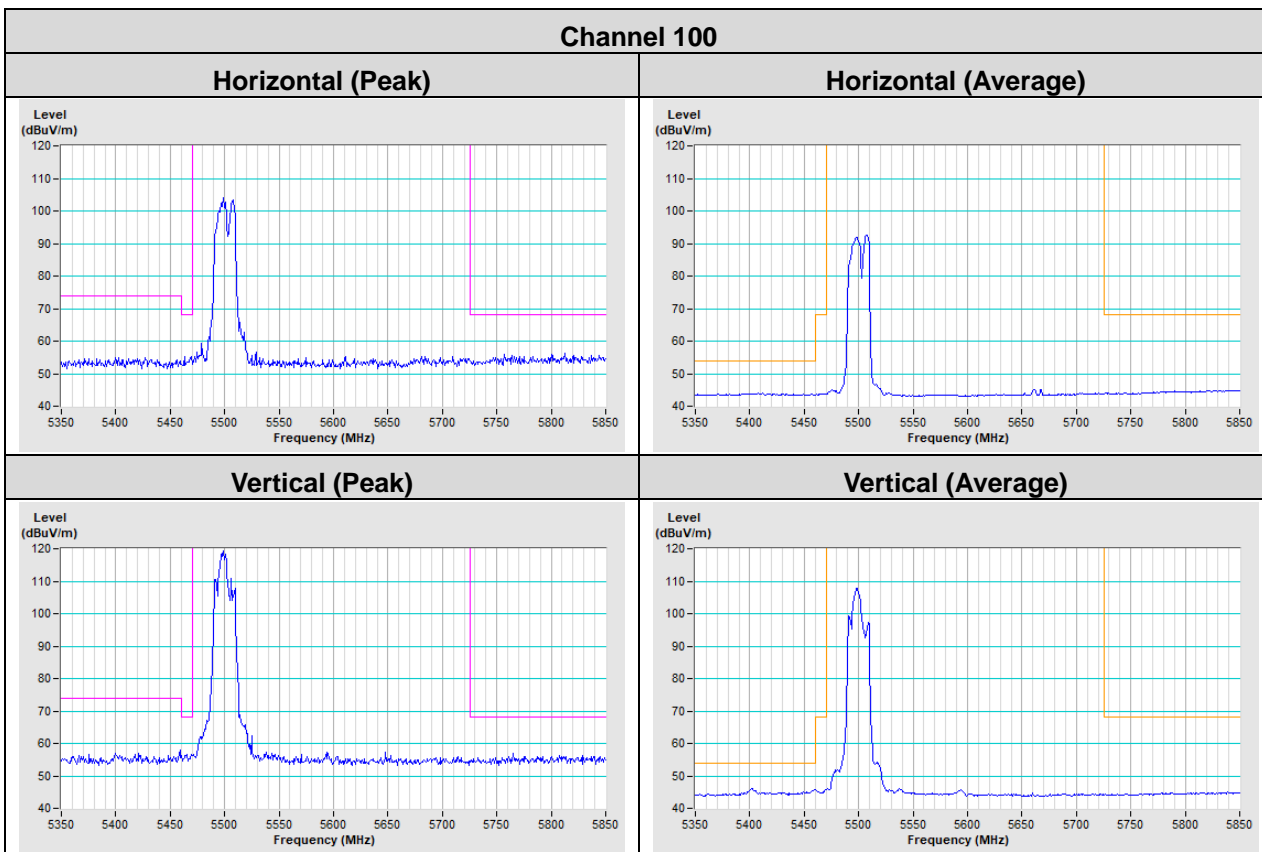
Vertical (Average)





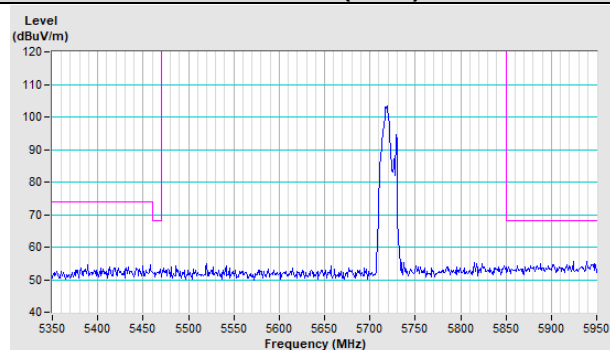
802.11ax (HE20)



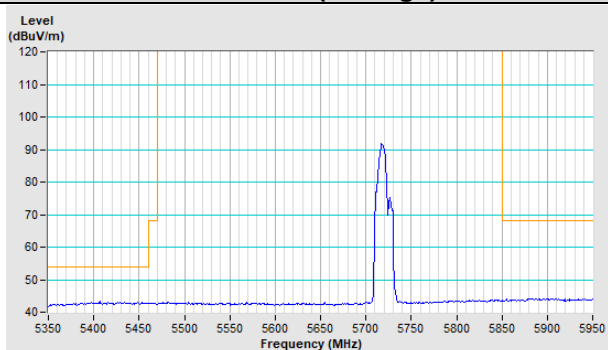


Channel 144

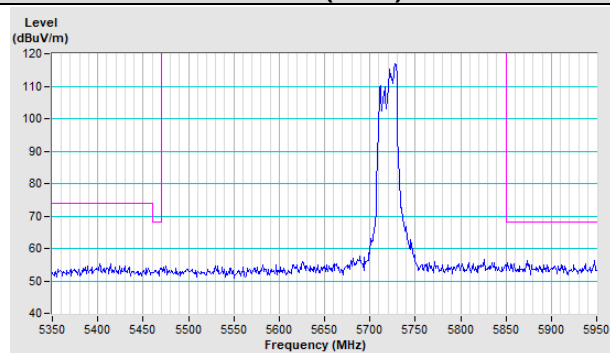
Horizontal (Peak)



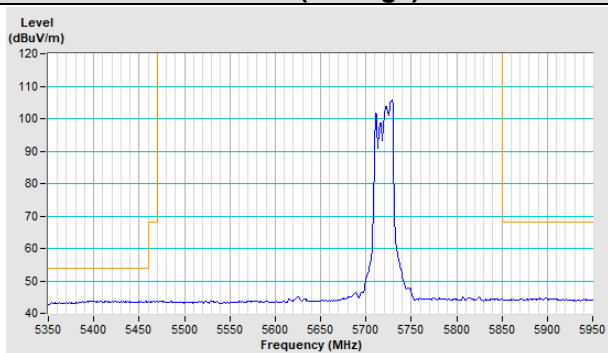
Horizontal (Average)



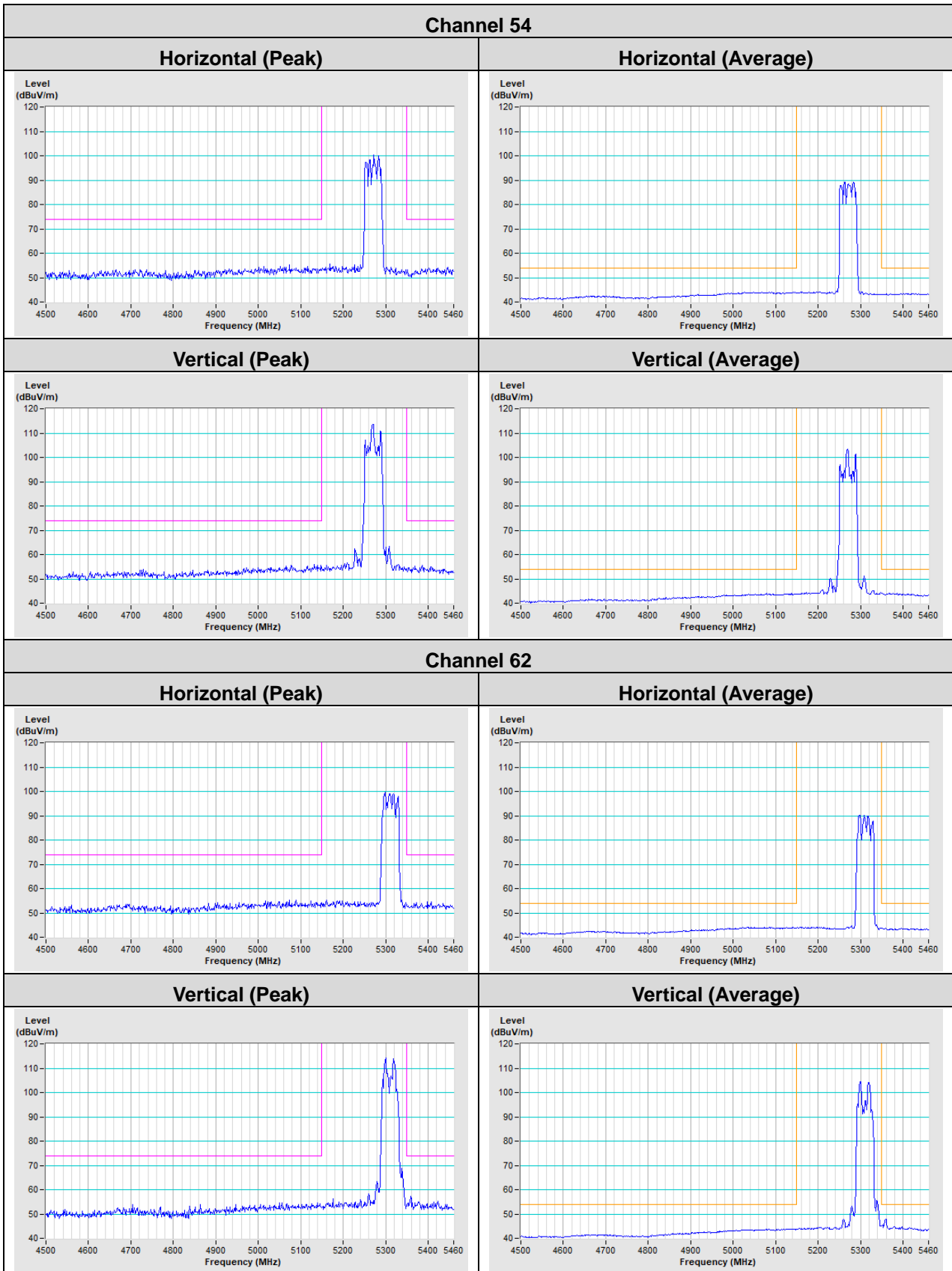
Vertical (Peak)

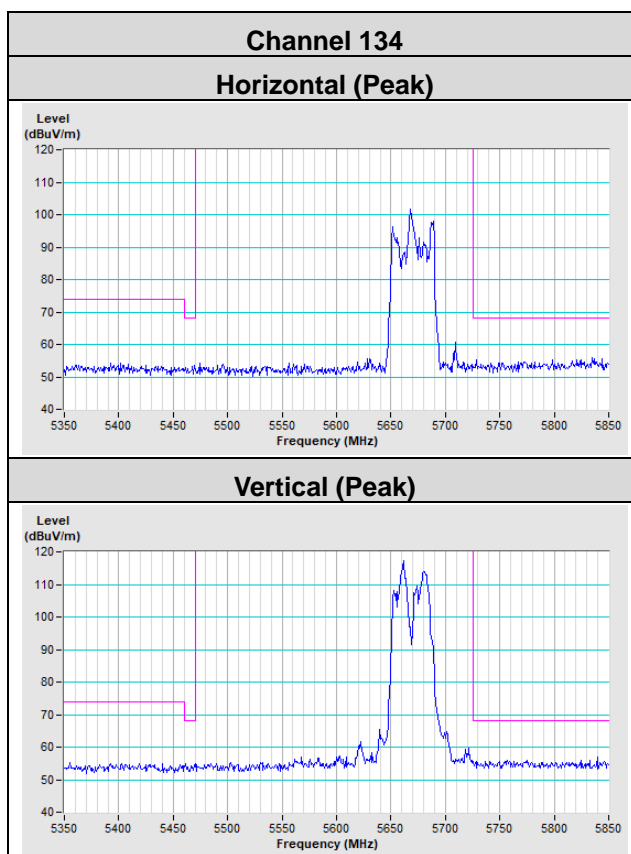
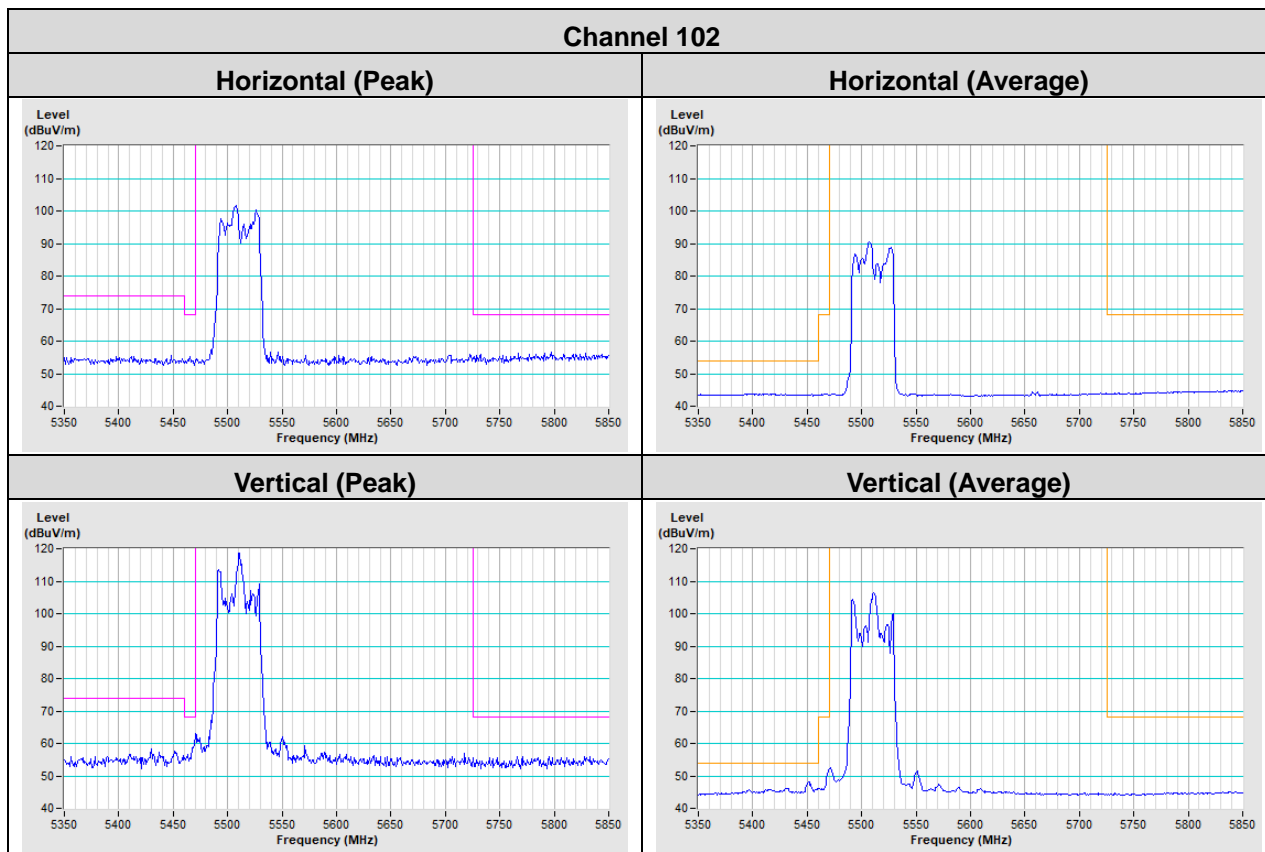


Vertical (Average)



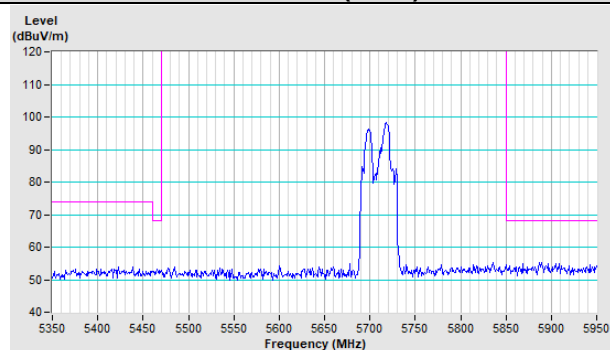
802.11ax (HE40)



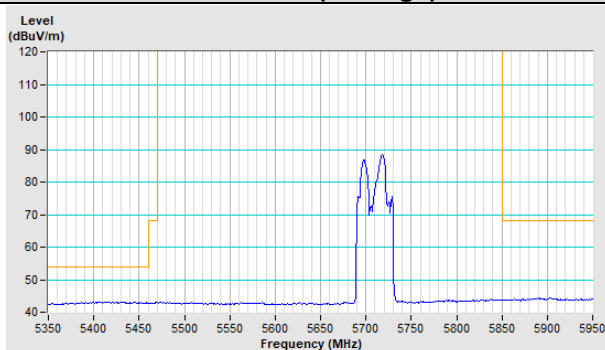


Channel 142

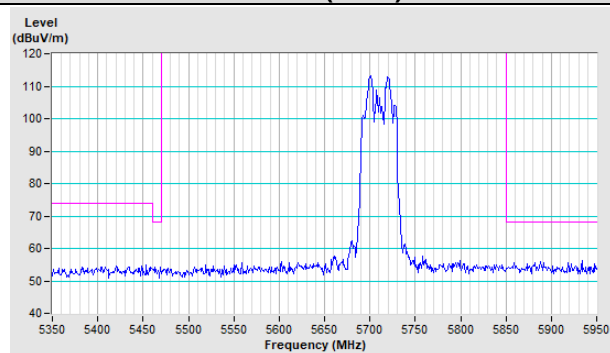
Horizontal (Peak)



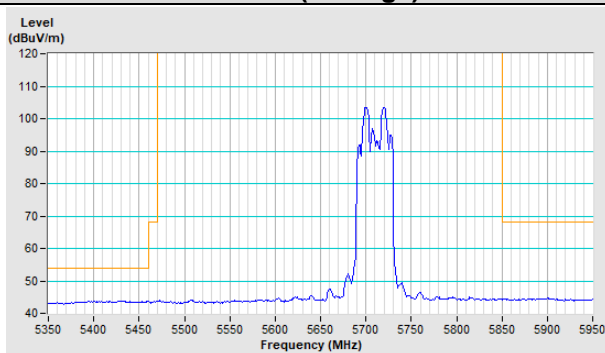
Horizontal (Average)



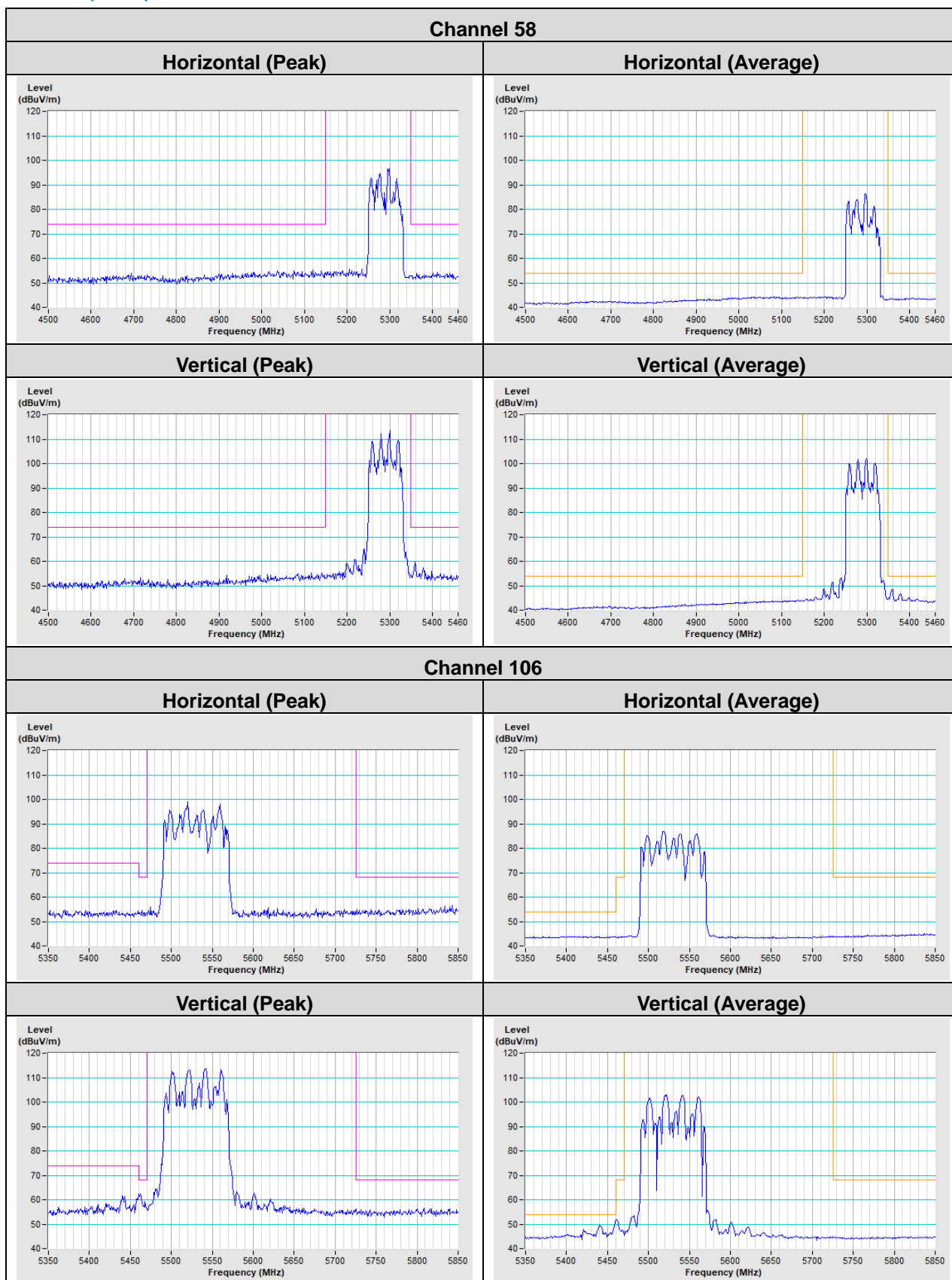
Vertical (Peak)



Vertical (Average)

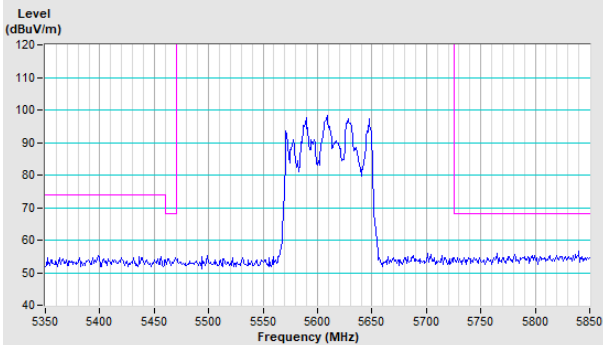


802.11ax (HE80)

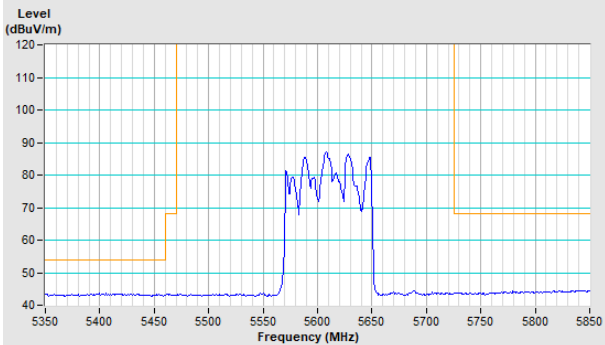


Channel 122

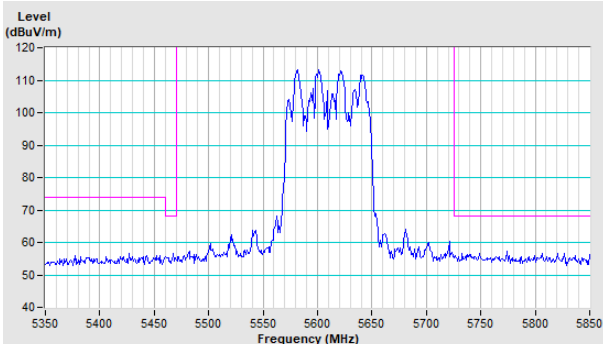
Horizontal (Peak)



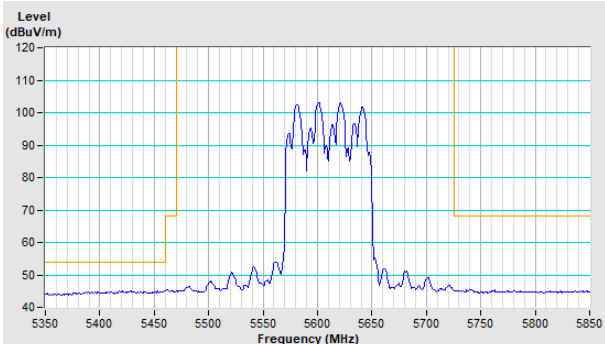
Horizontal (Average)



Vertical (Peak)

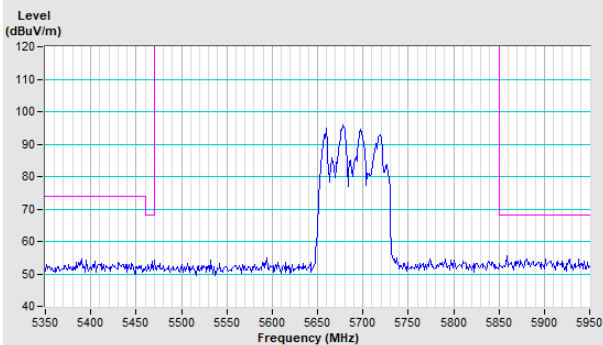


Vertical (Average)

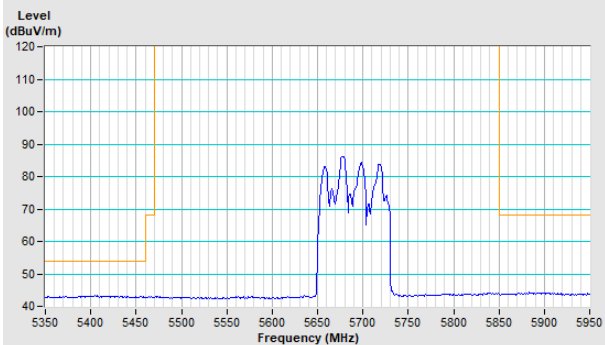


Channel 138

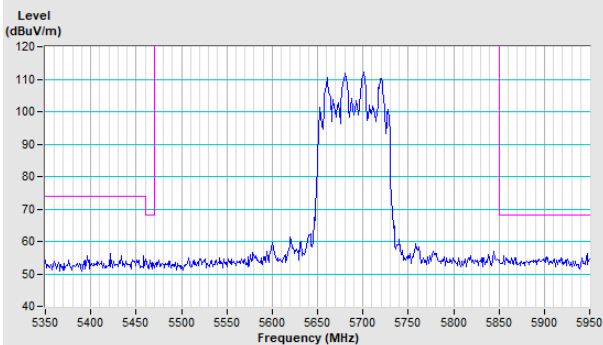
Horizontal (Peak)



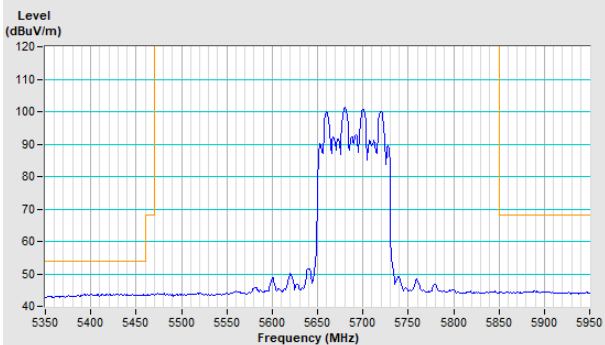
Horizontal (Average)



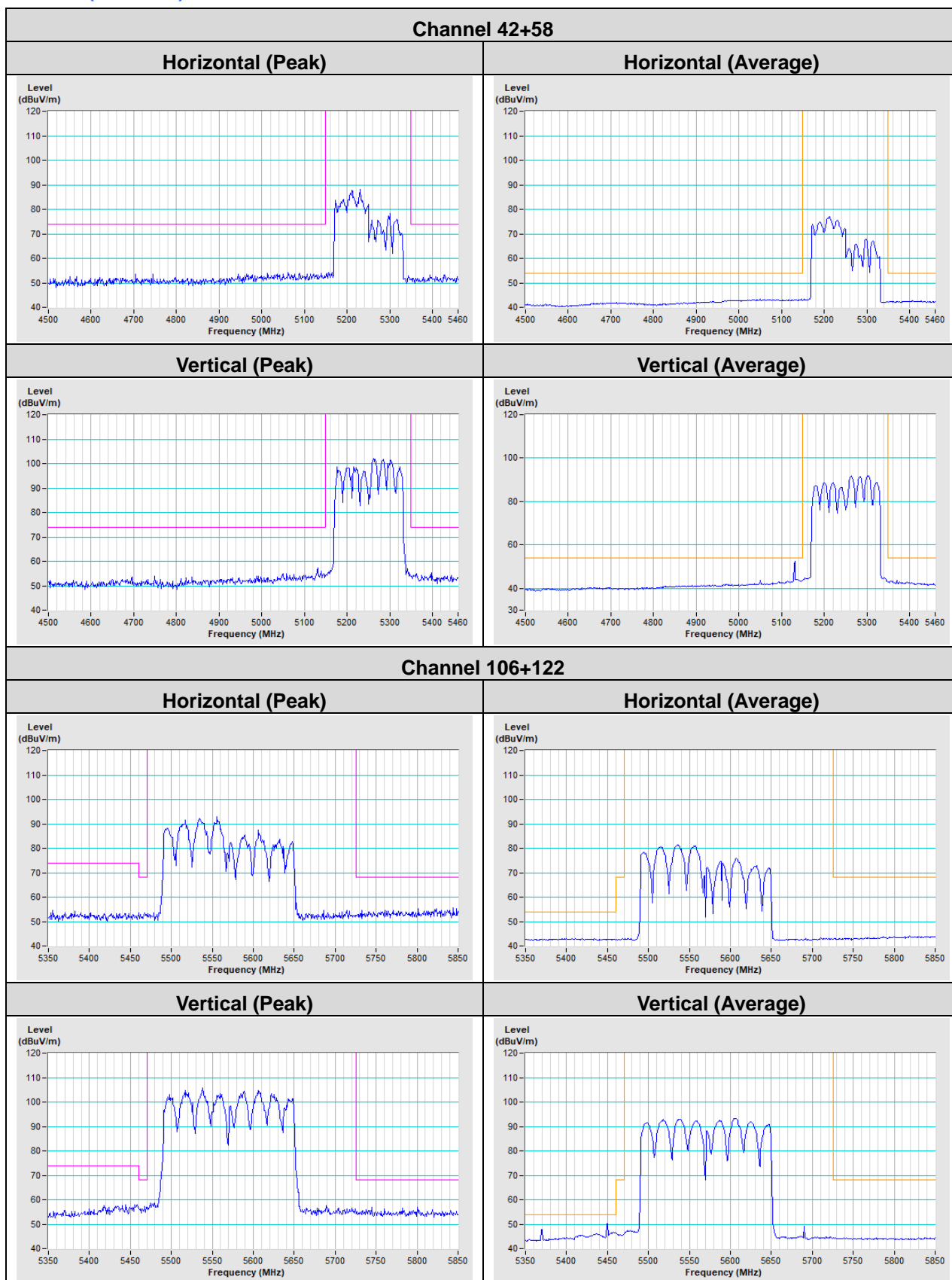
Vertical (Peak)



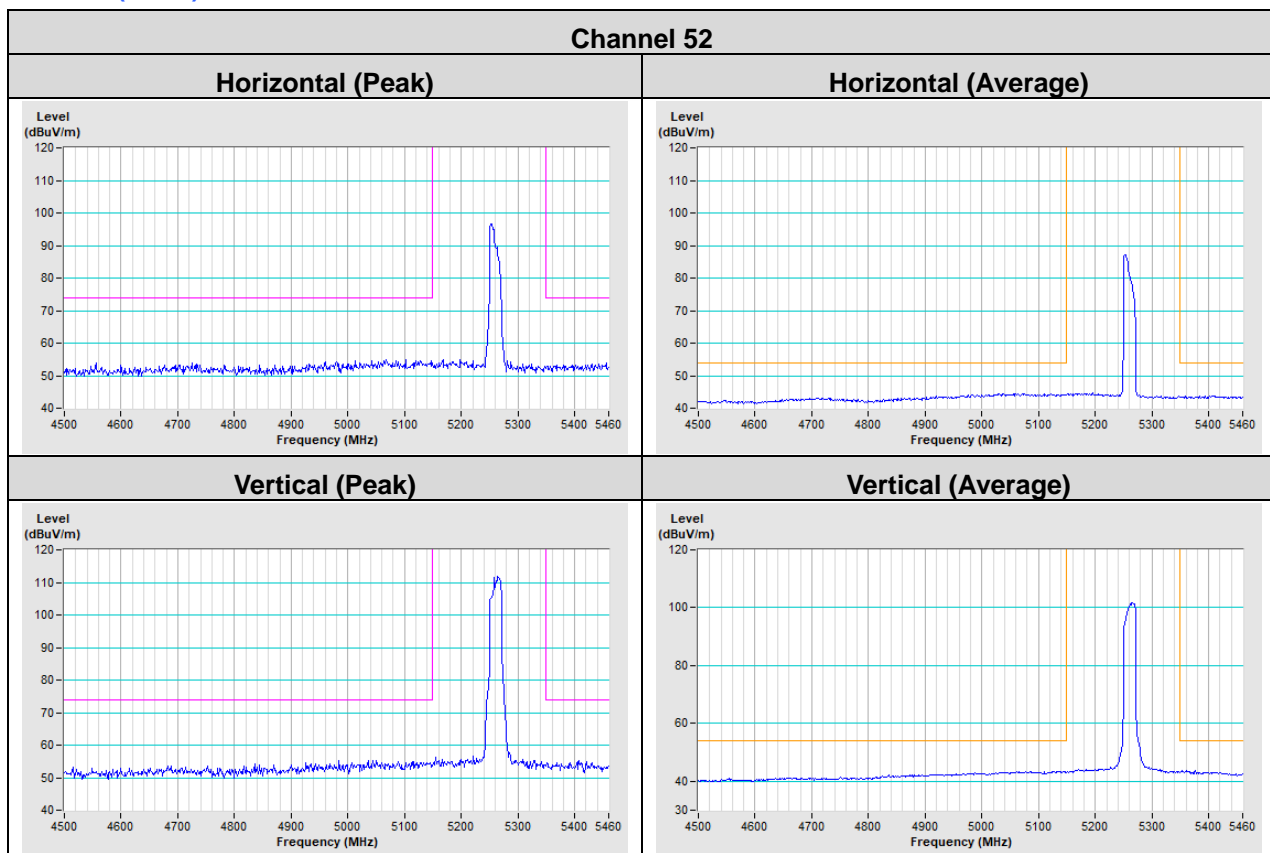
Vertical (Average)



802.11ax (HE80+80)

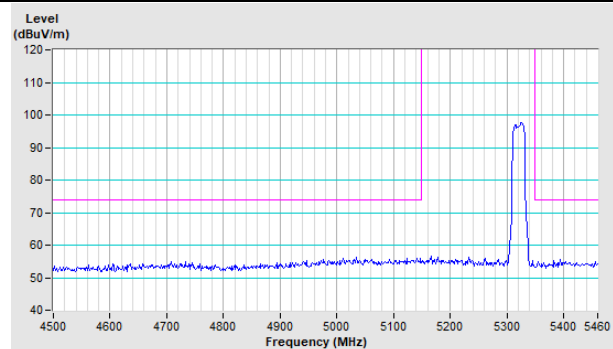


Test Mode C
5G traffic radio: Beamforming Mode
802.11ax (HE20)

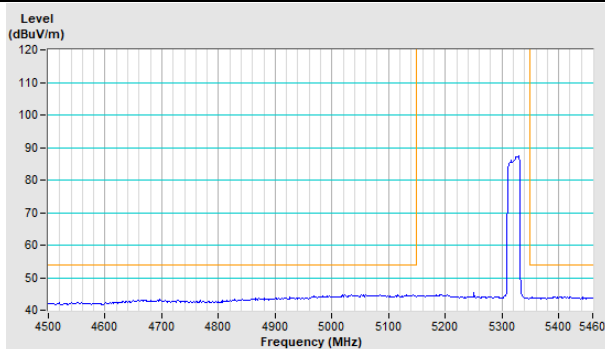


Channel 64

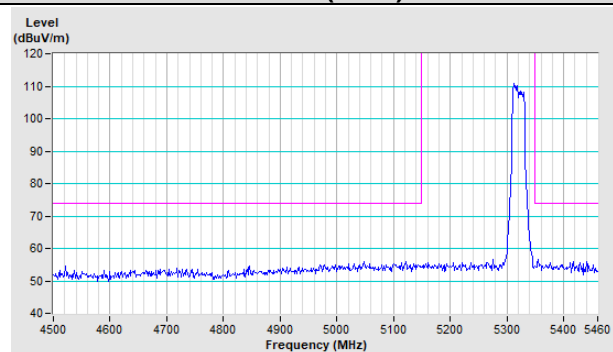
Horizontal (Peak)



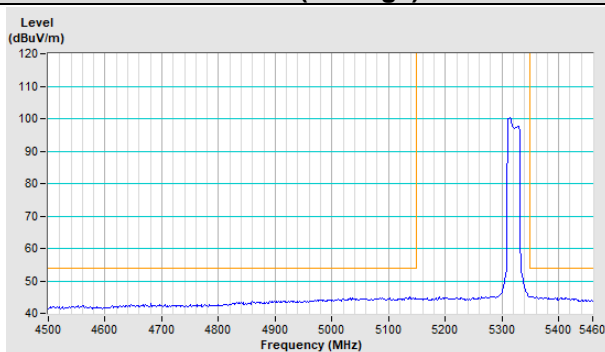
Horizontal (Average)



Vertical (Peak)

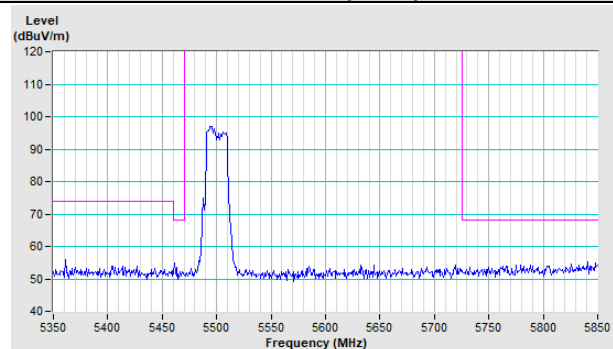


Vertical (Average)

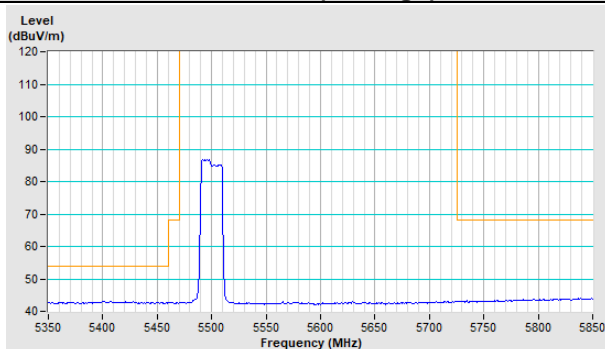


Channel 100

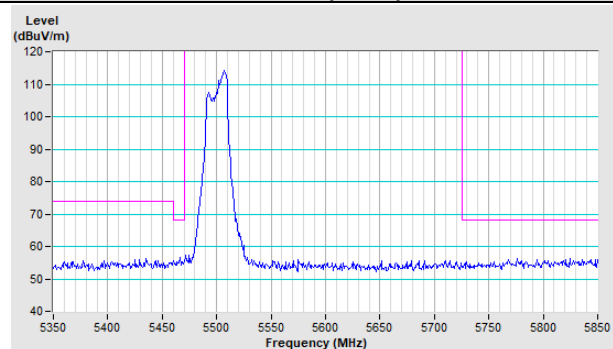
Horizontal (Peak)



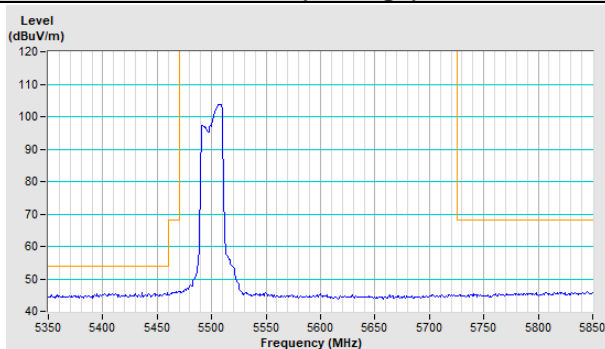
Horizontal (Average)

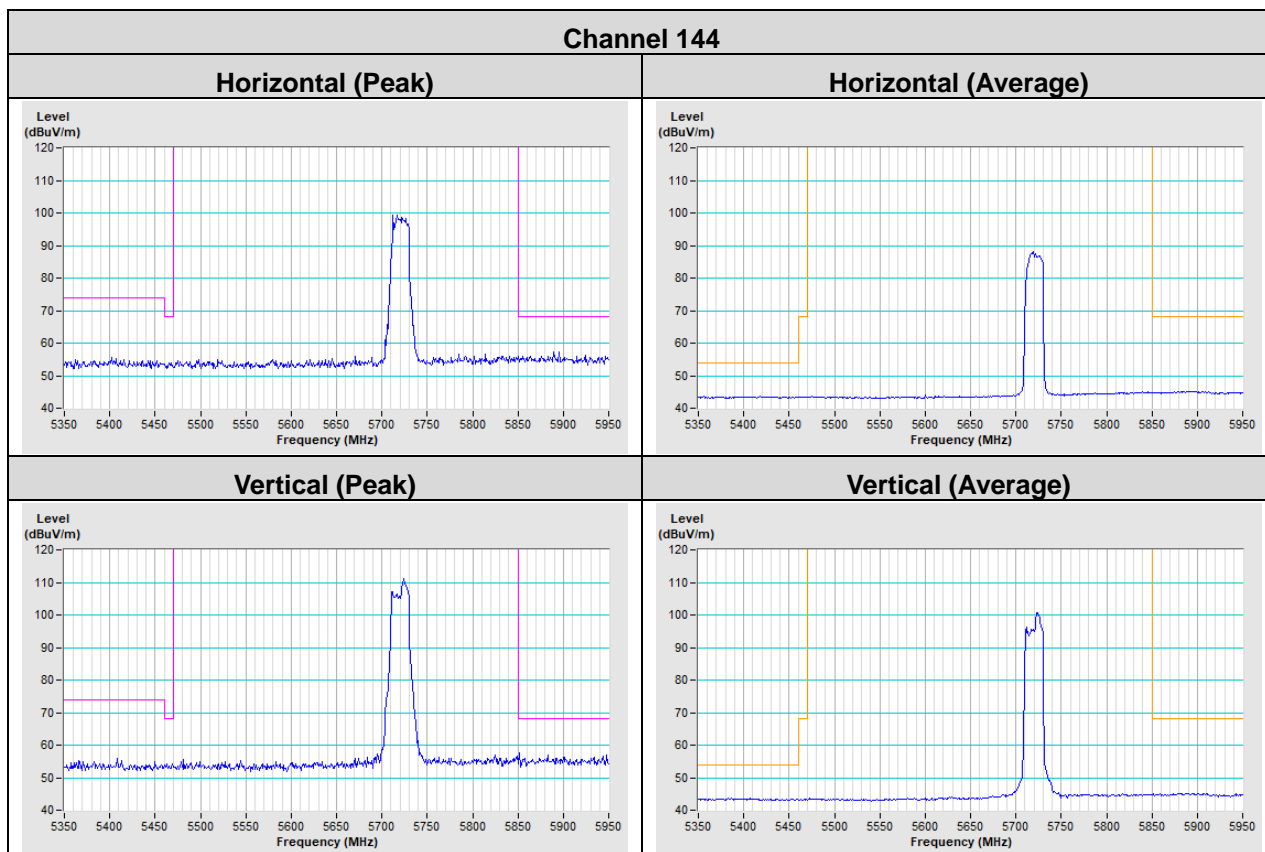
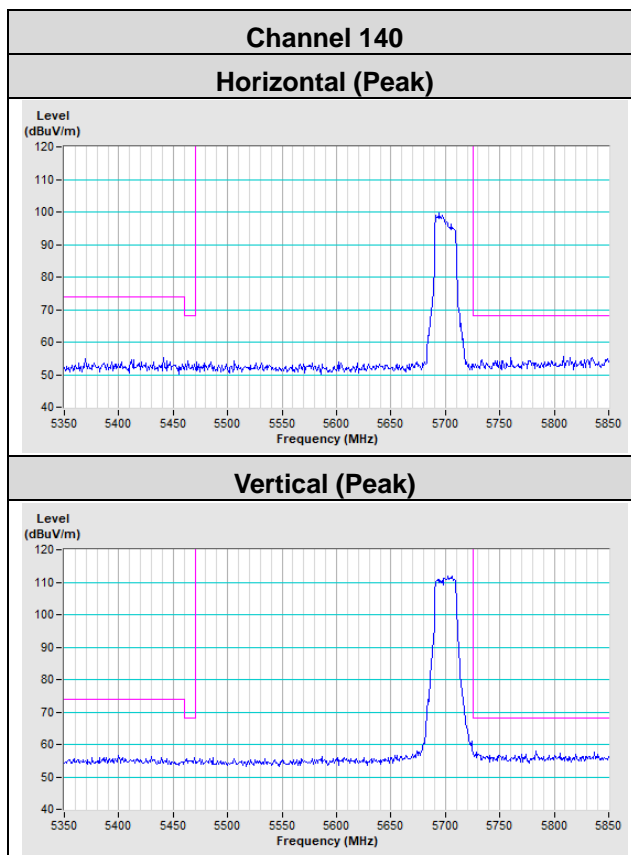


Vertical (Peak)

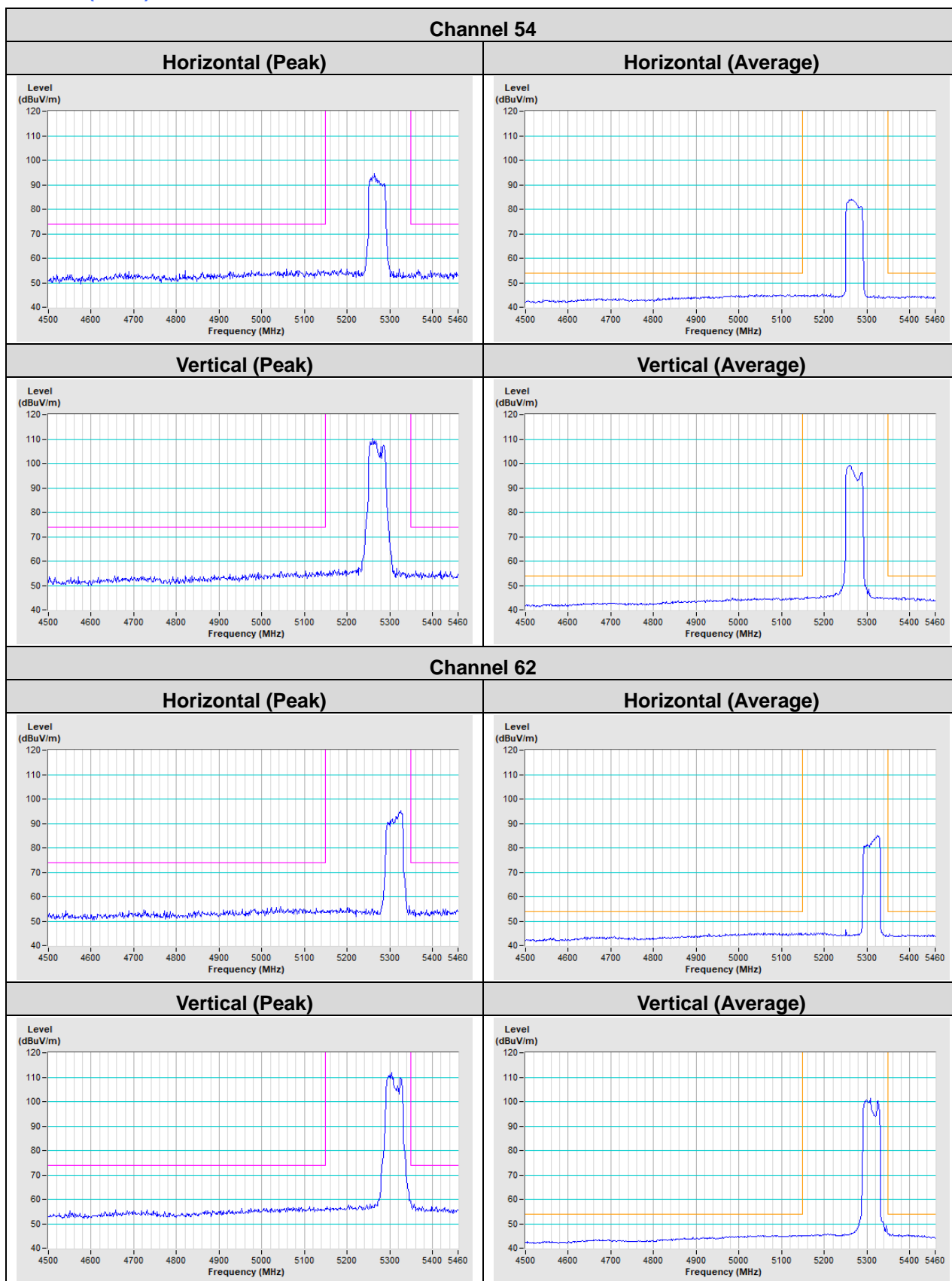


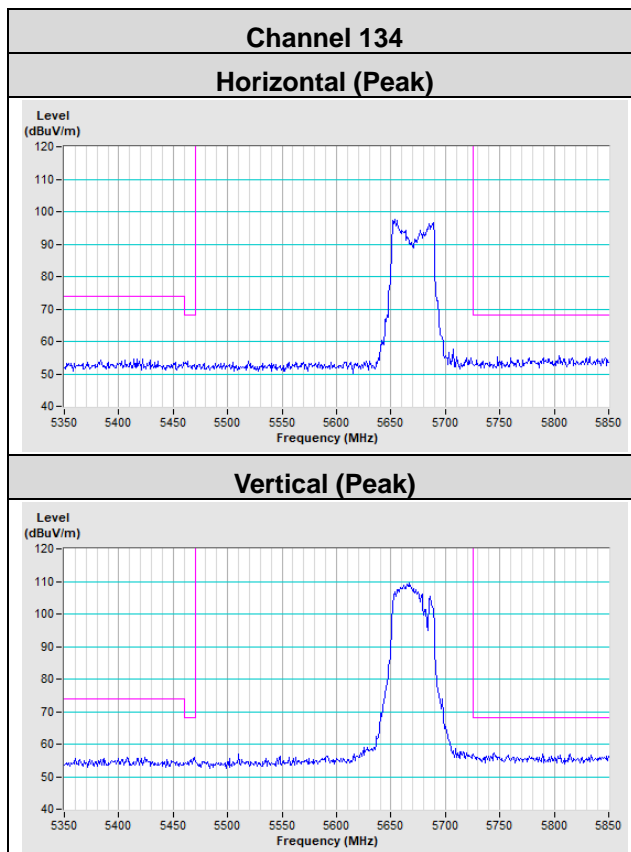
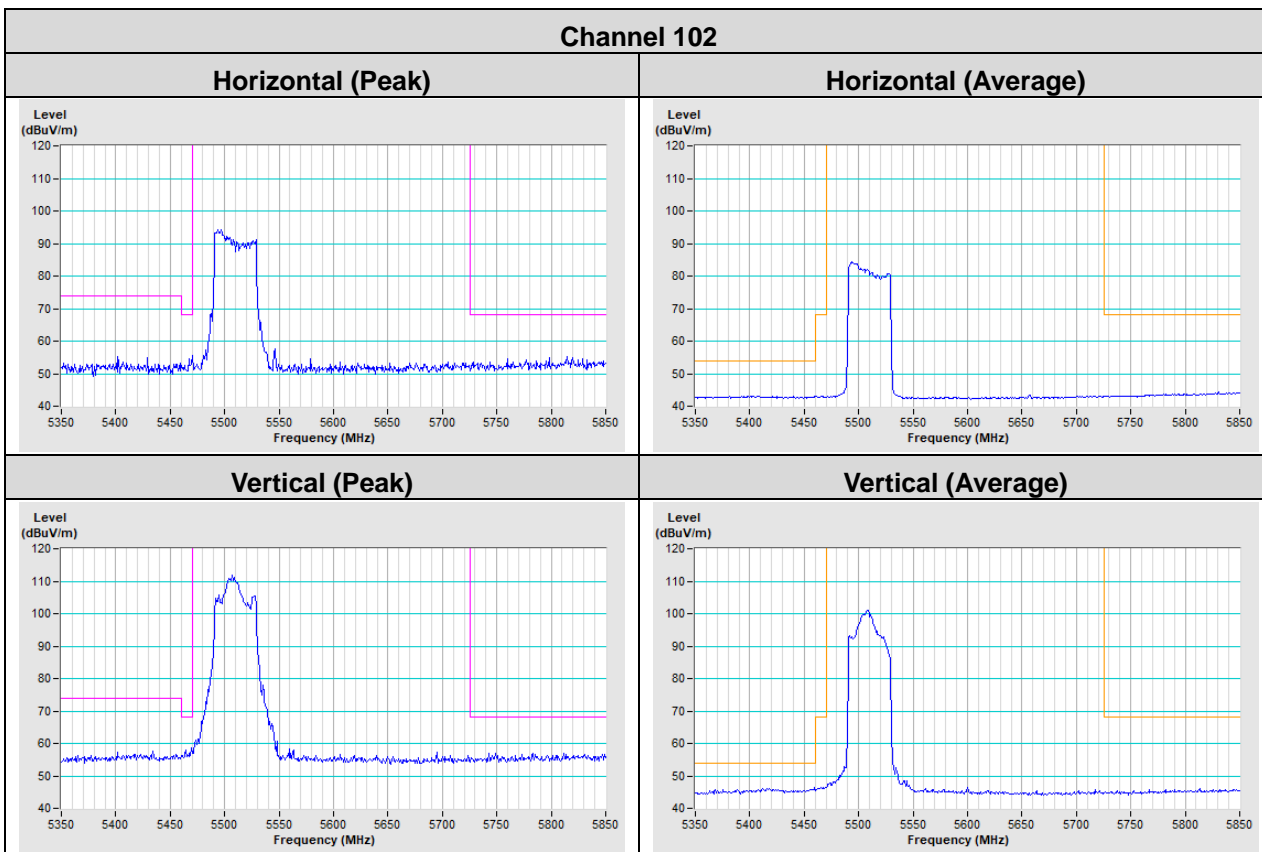
Vertical (Average)





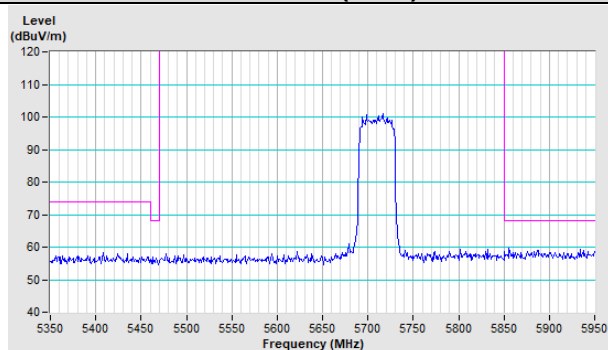
802.11ax (HE40)



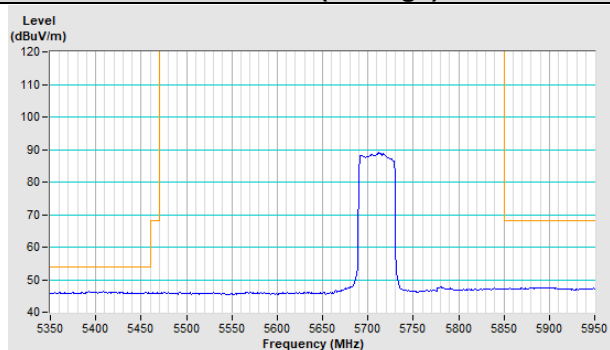


Channel 142

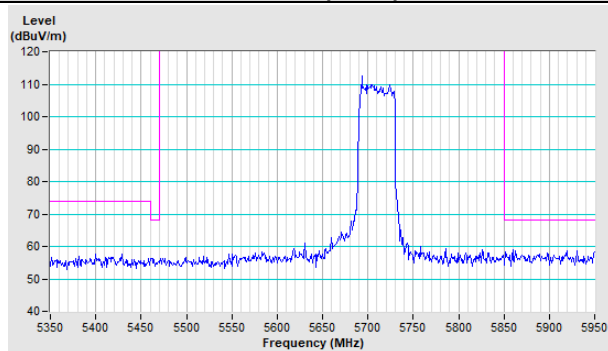
Horizontal (Peak)



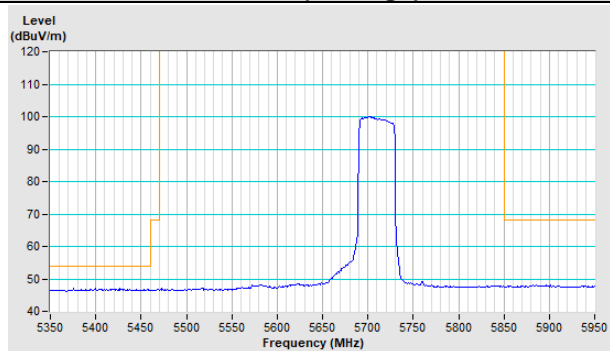
Horizontal (Average)



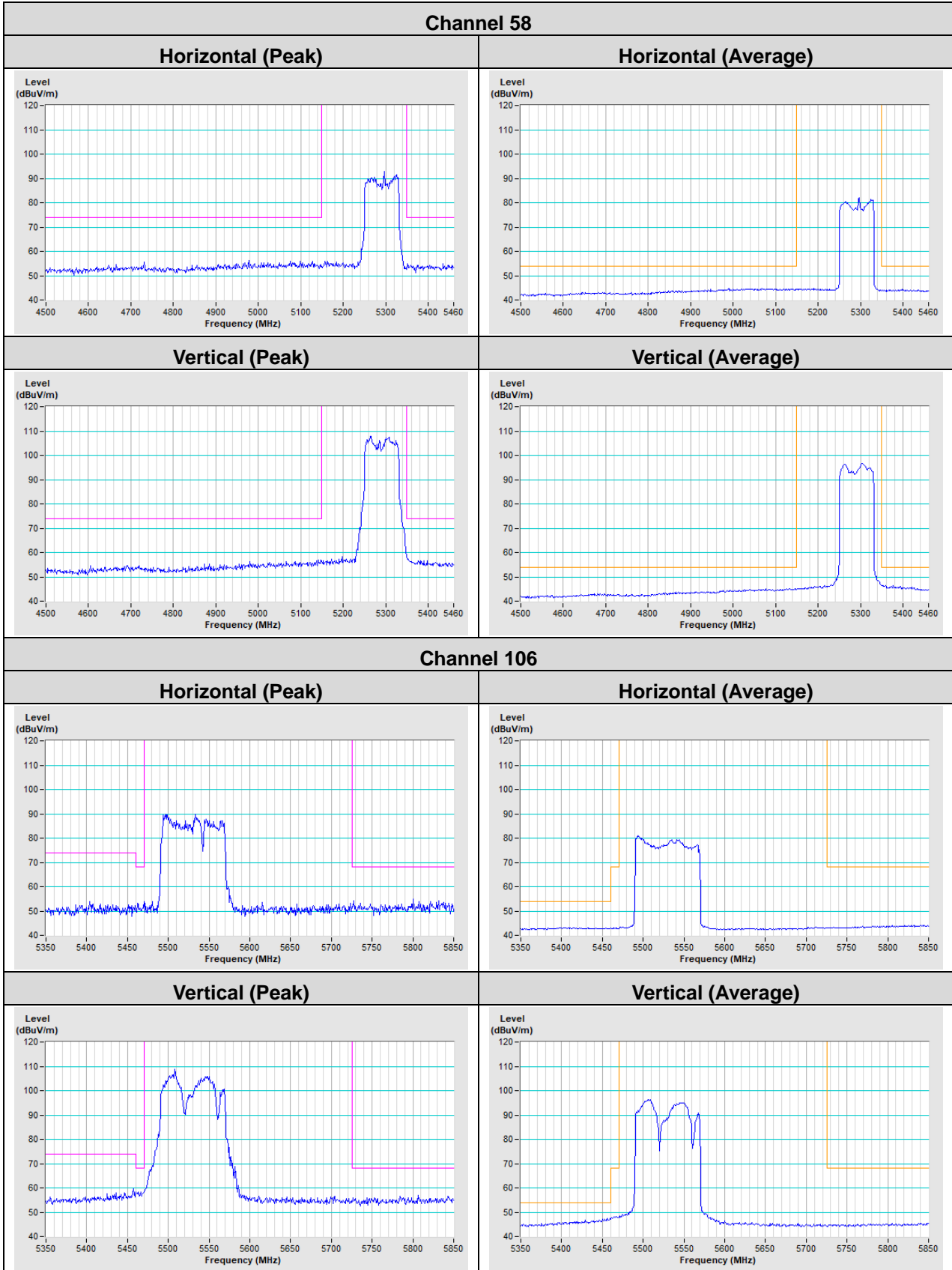
Vertical (Peak)



Vertical (Average)

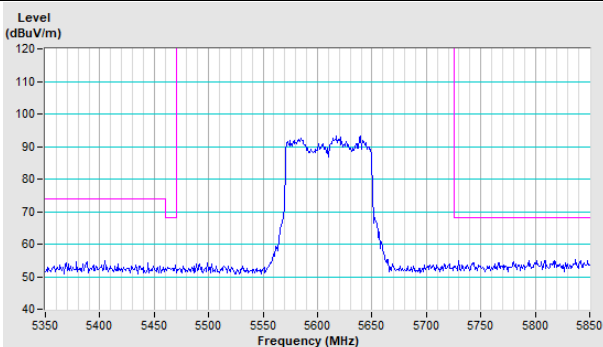


802.11ax (HE80)

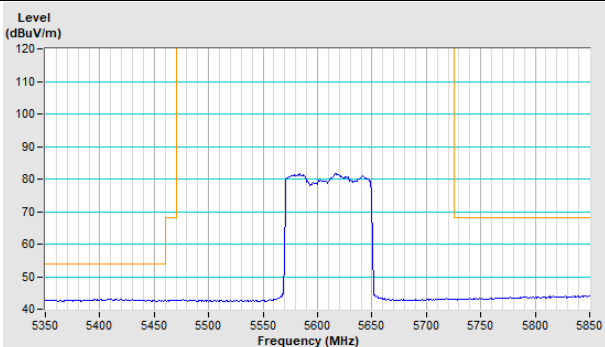


Channel 122

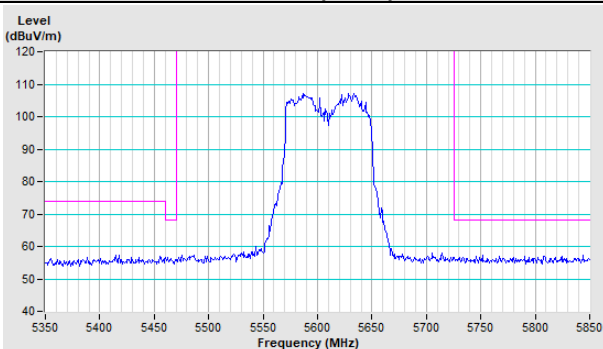
Horizontal (Peak)



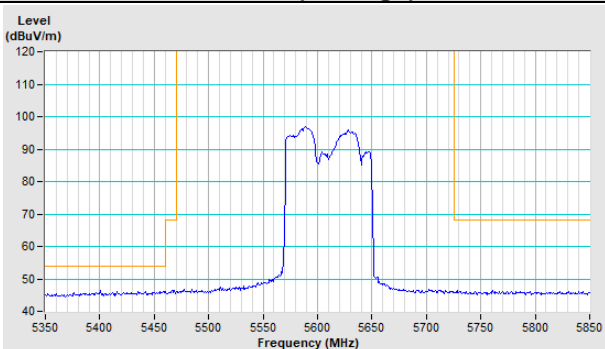
Horizontal (Average)



Vertical (Peak)

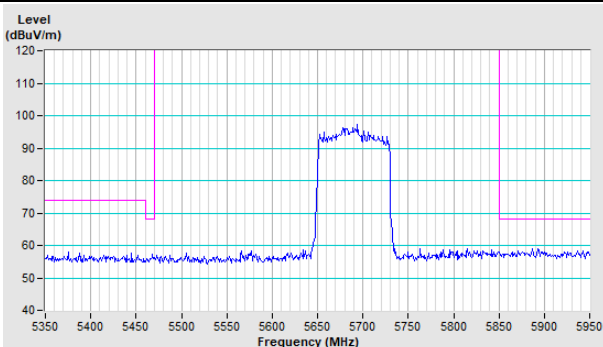


Vertical (Average)

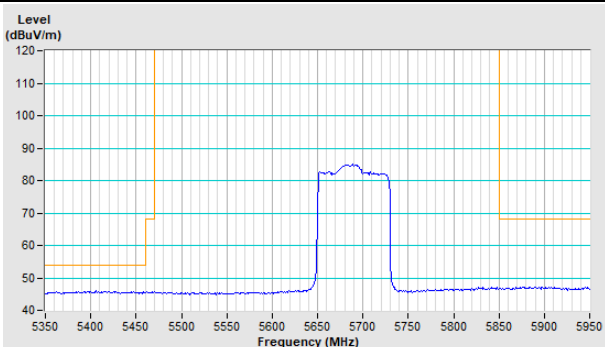


Channel 138

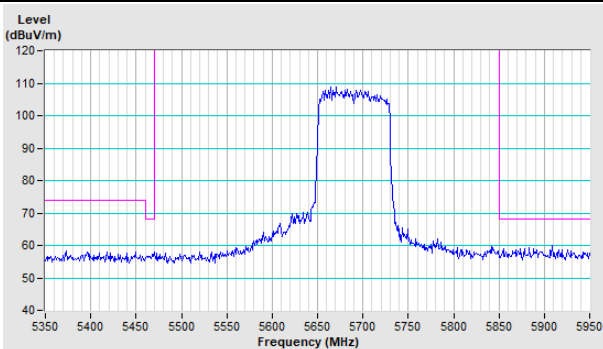
Horizontal (Peak)



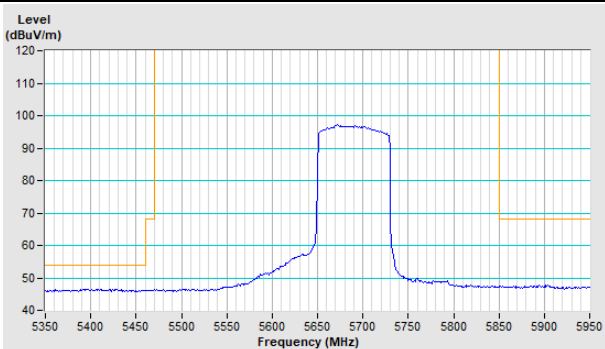
Horizontal (Average)



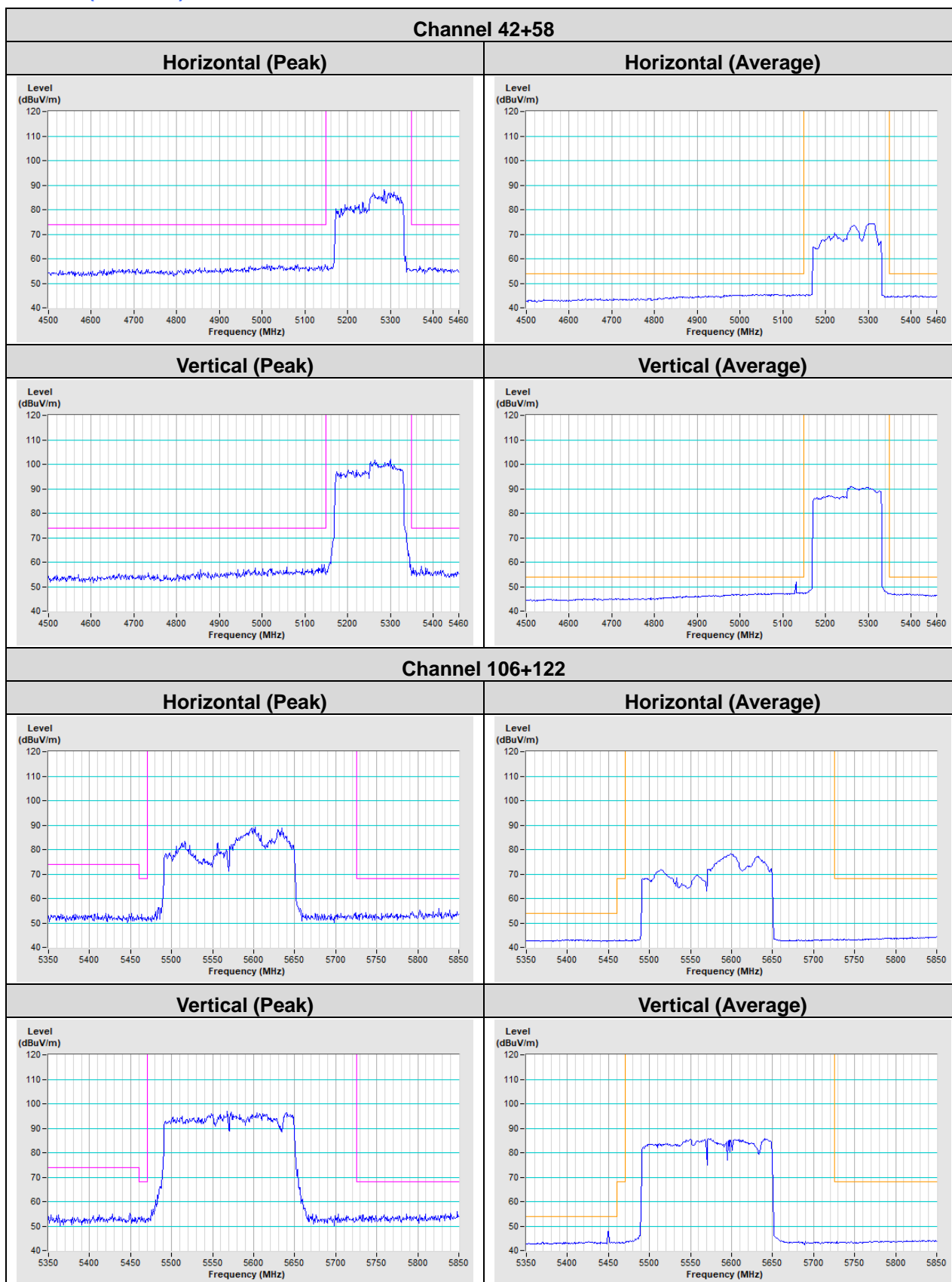
Vertical (Peak)



Vertical (Average)



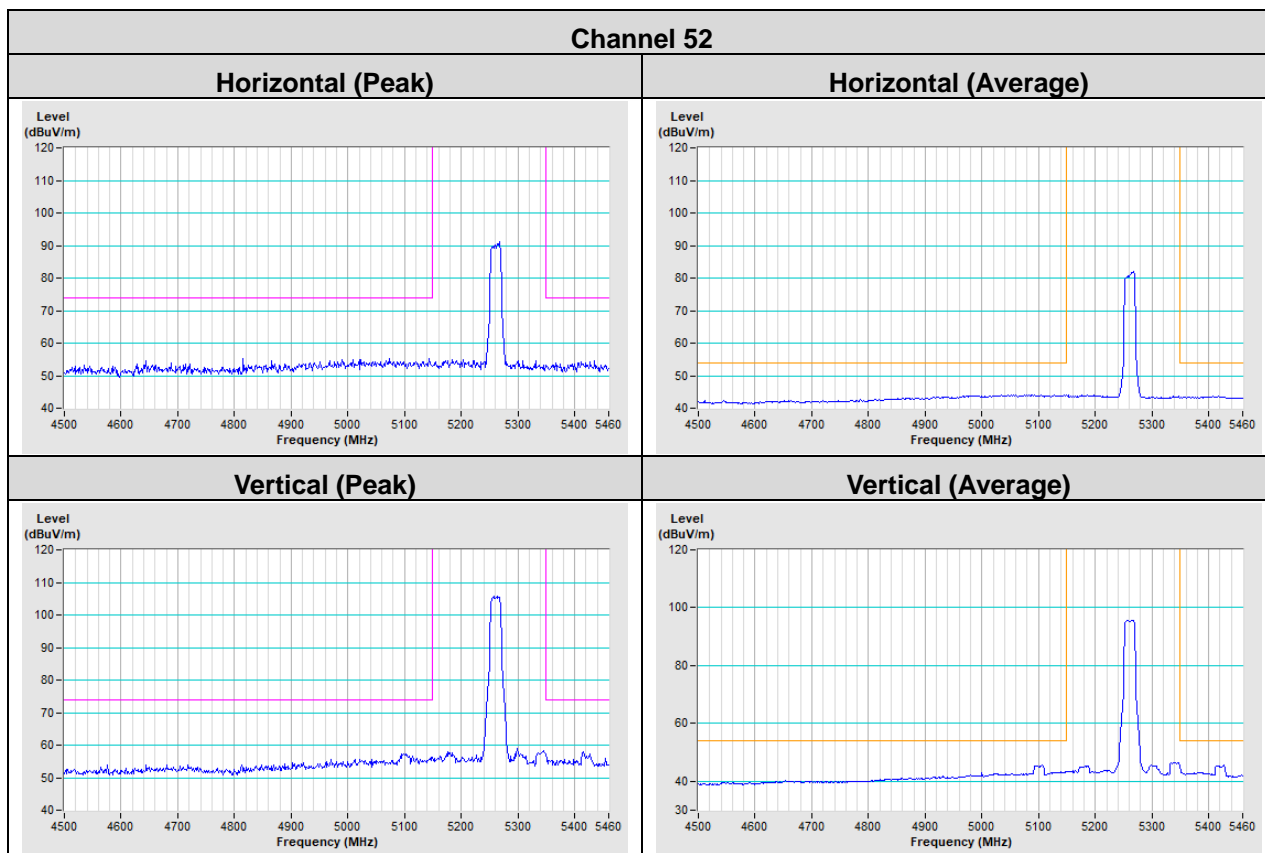
802.11ax (HE80+80)



Test Mode C

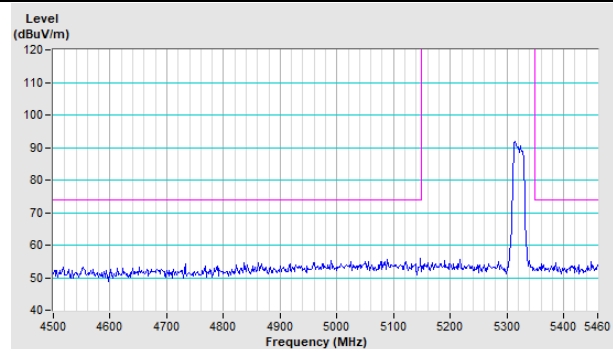
Scanning radio: CDD Mode

802.11a

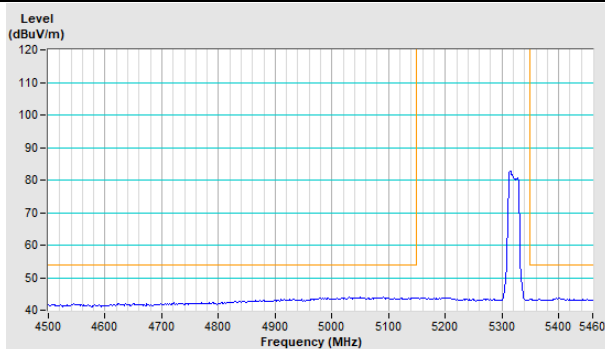


Channel 64

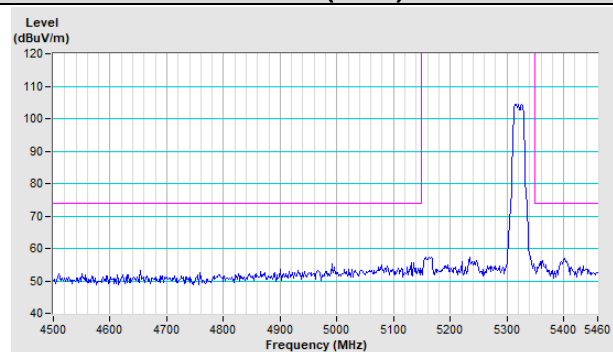
Horizontal (Peak)



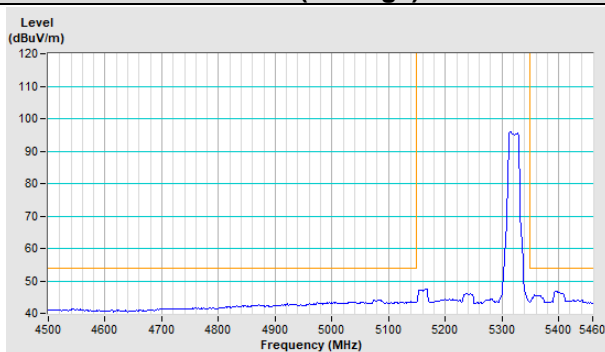
Horizontal (Average)



Vertical (Peak)

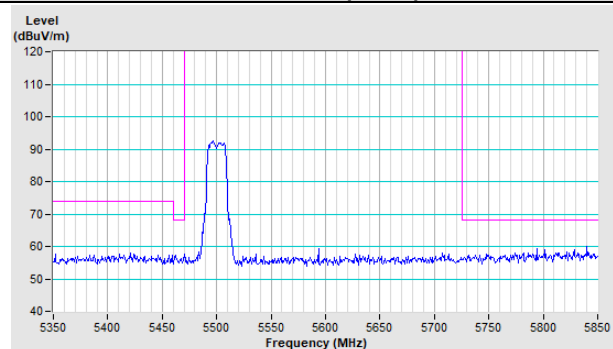


Vertical (Average)

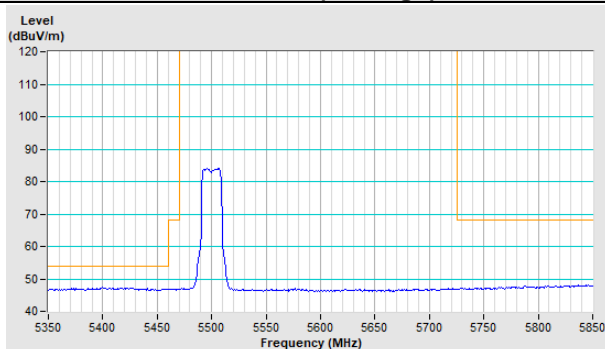


Channel 100

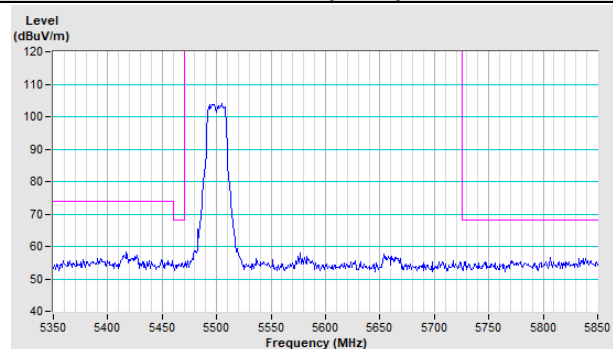
Horizontal (Peak)



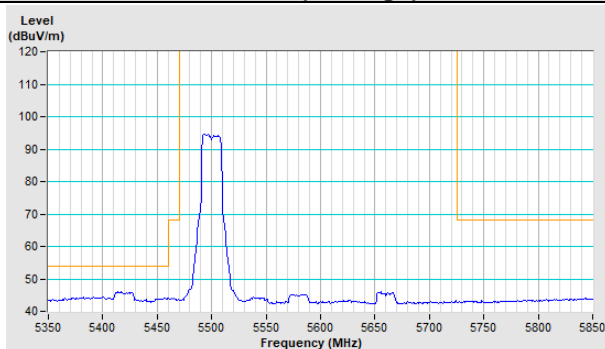
Horizontal (Average)

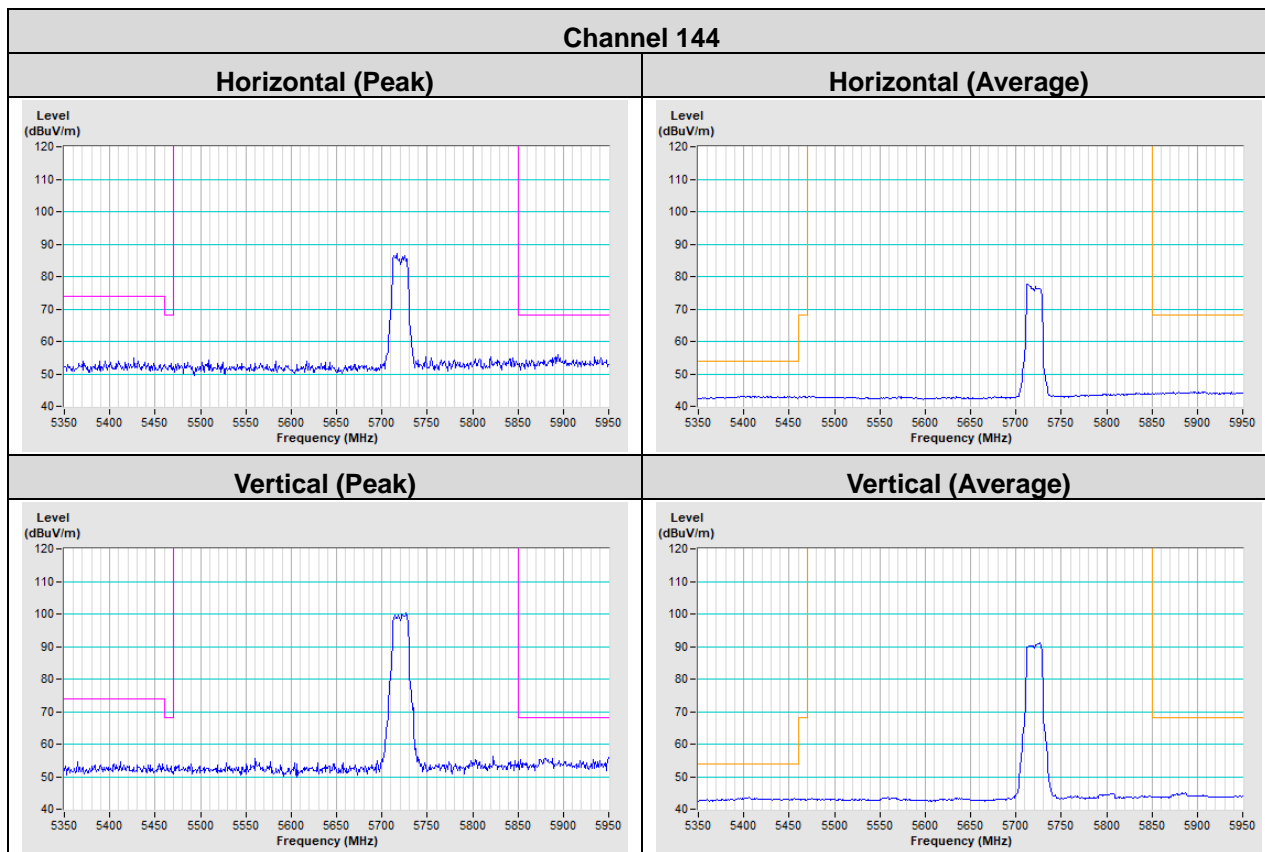
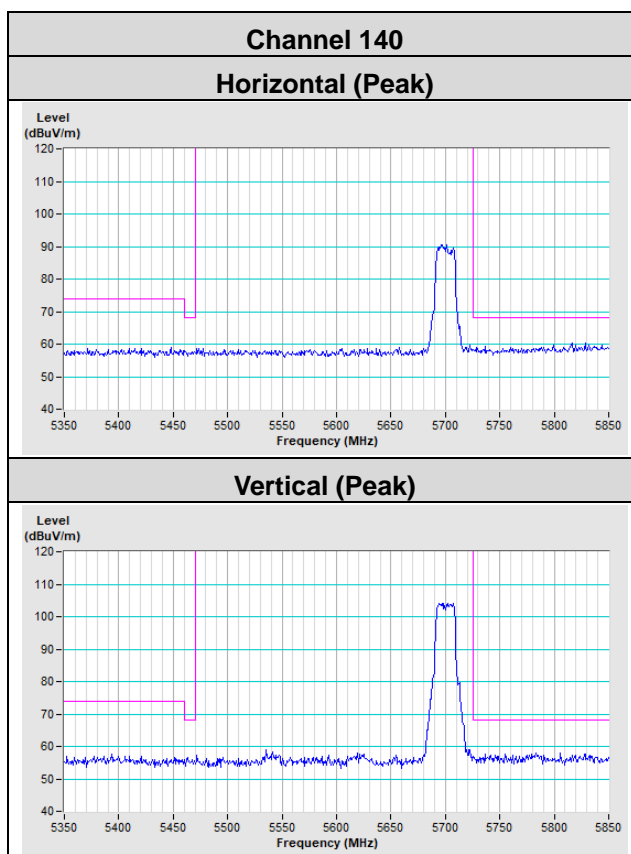


Vertical (Peak)

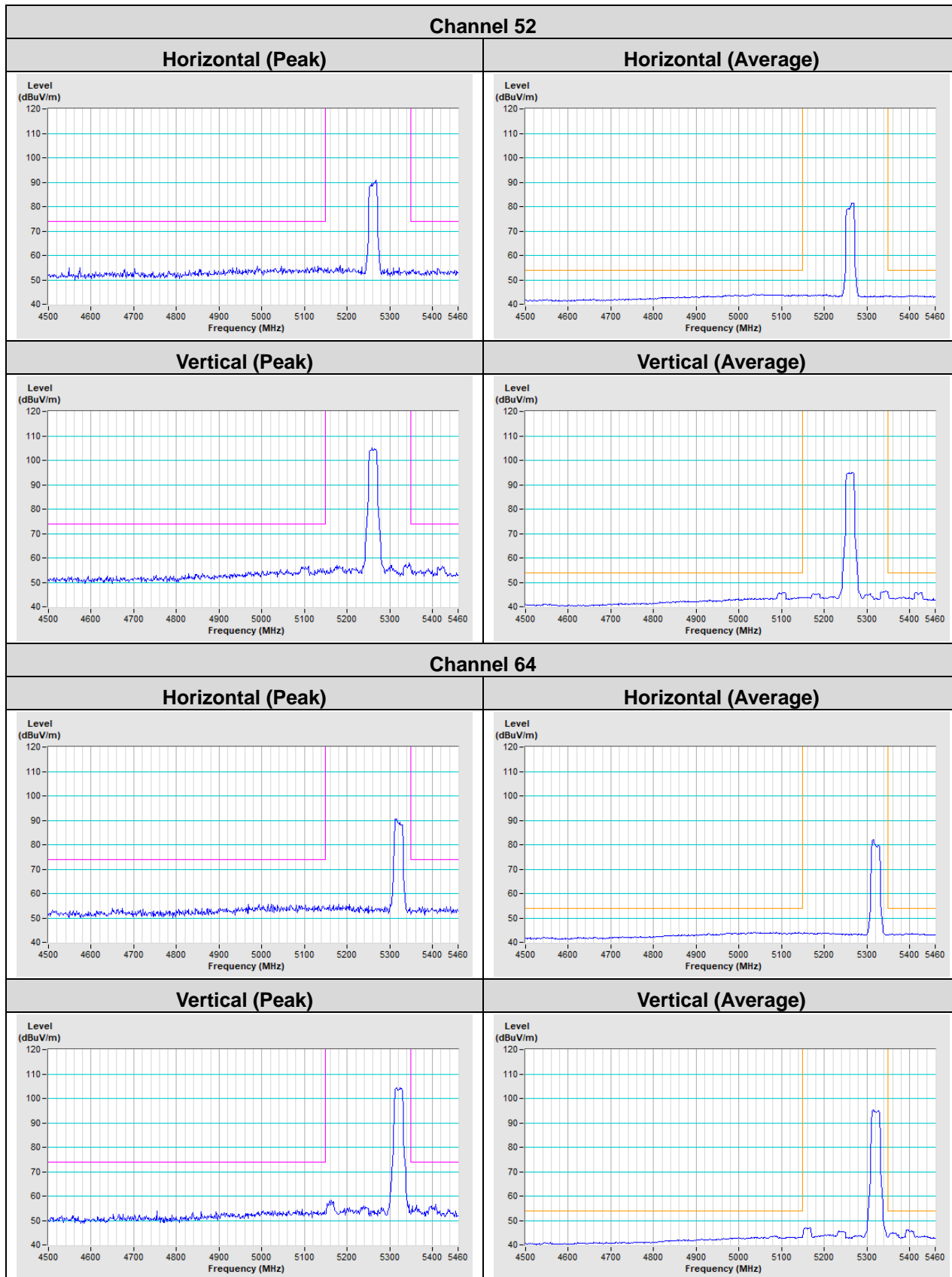


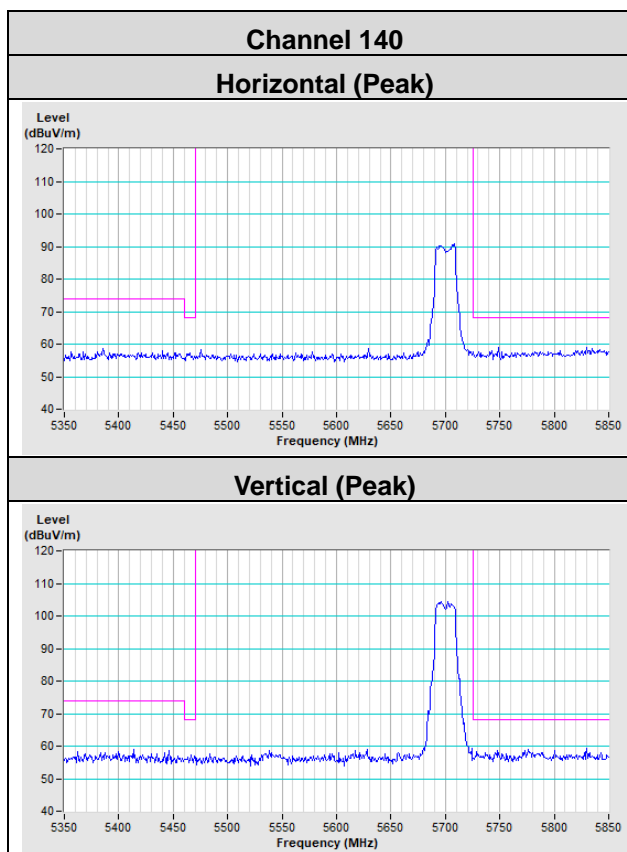
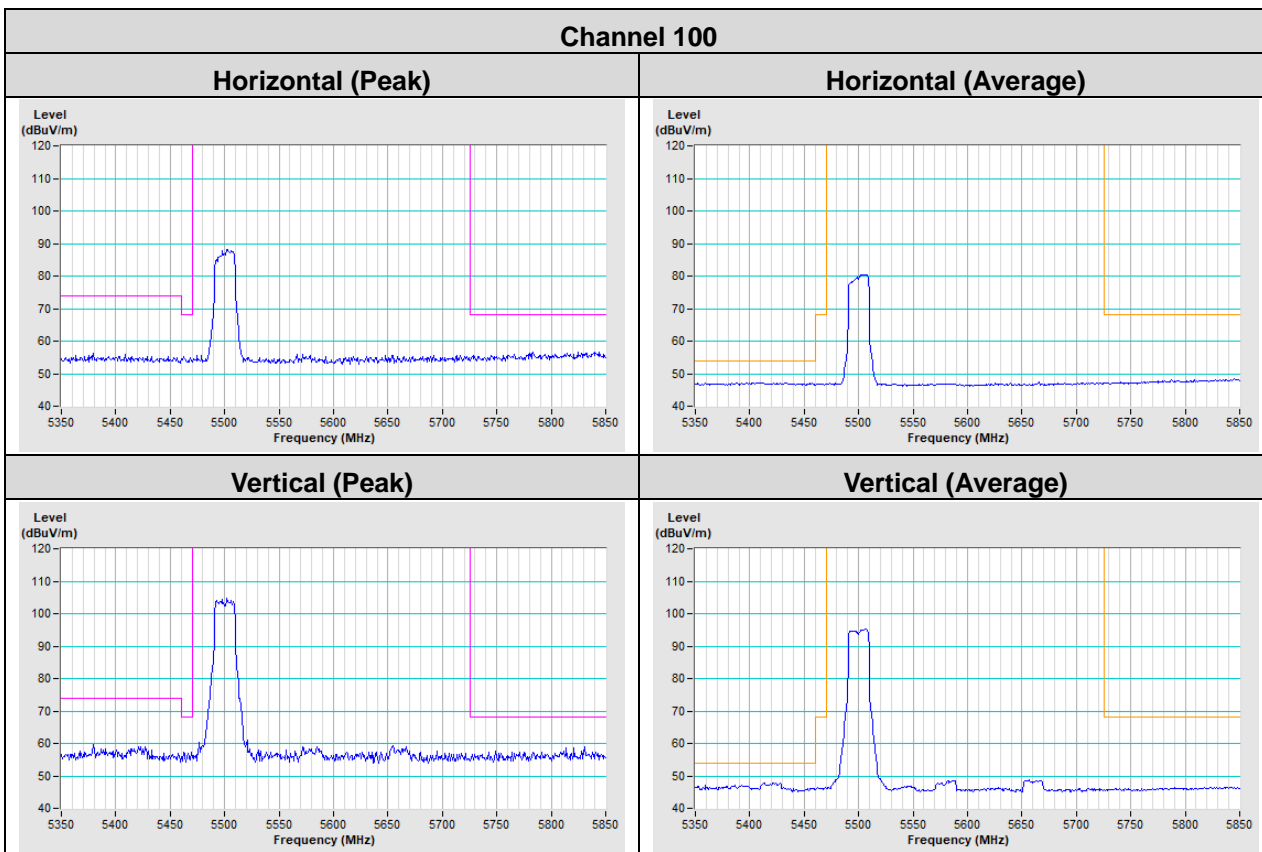
Vertical (Average)





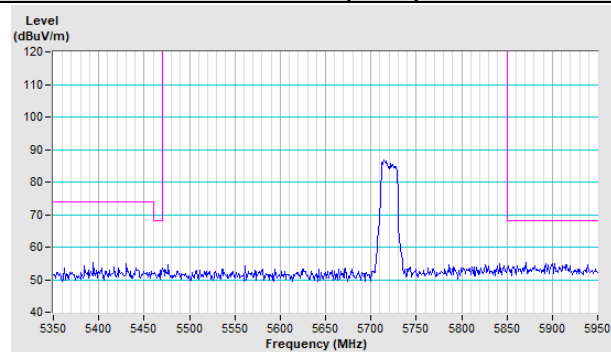
802.11n (HT20)



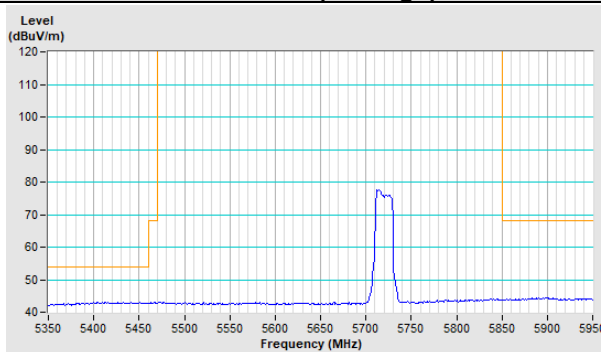


Channel 144

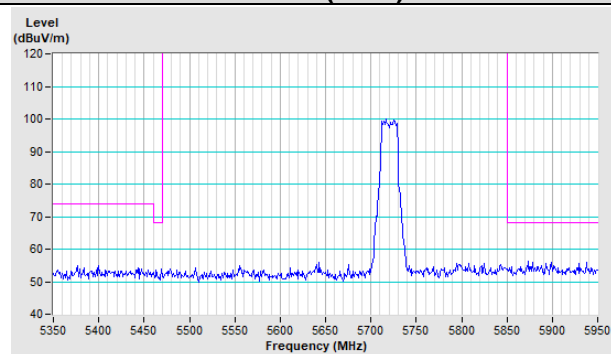
Horizontal (Peak)



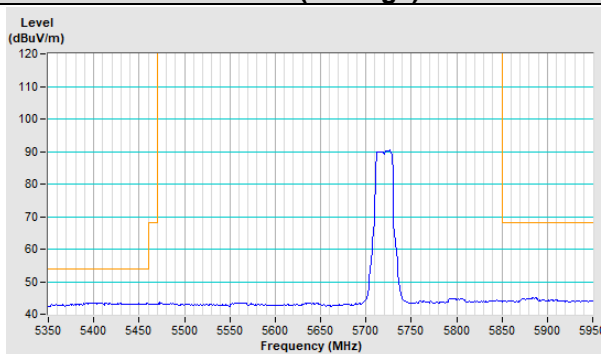
Horizontal (Average)



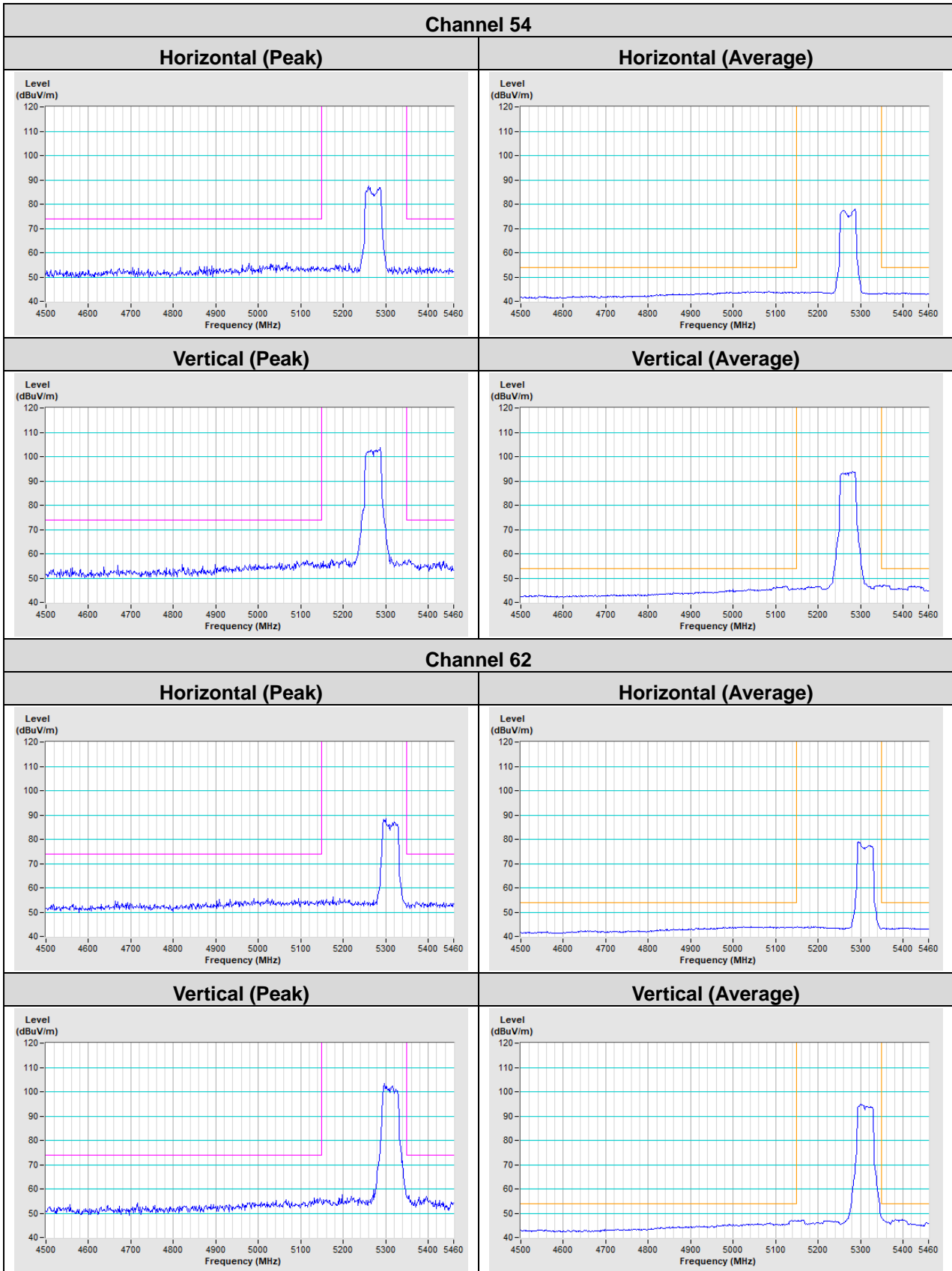
Vertical (Peak)

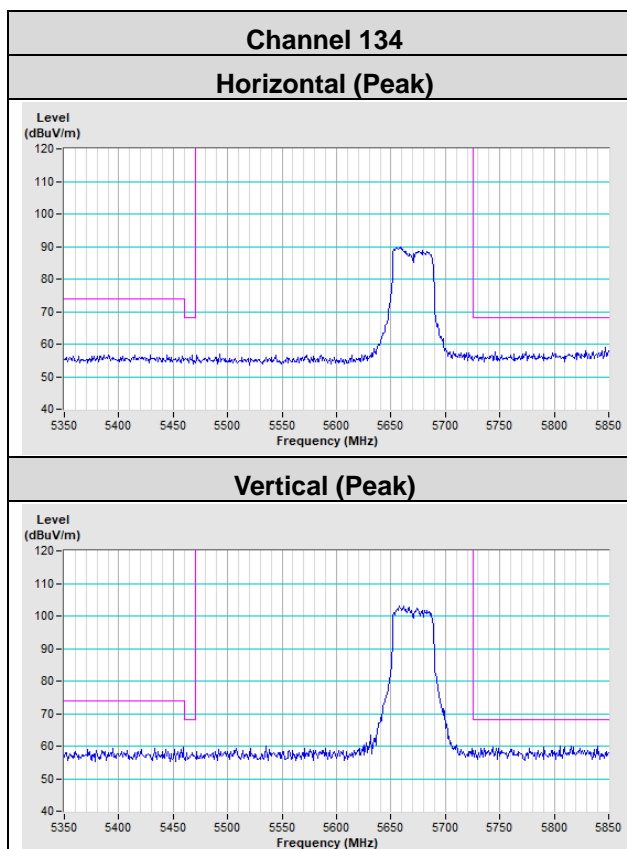
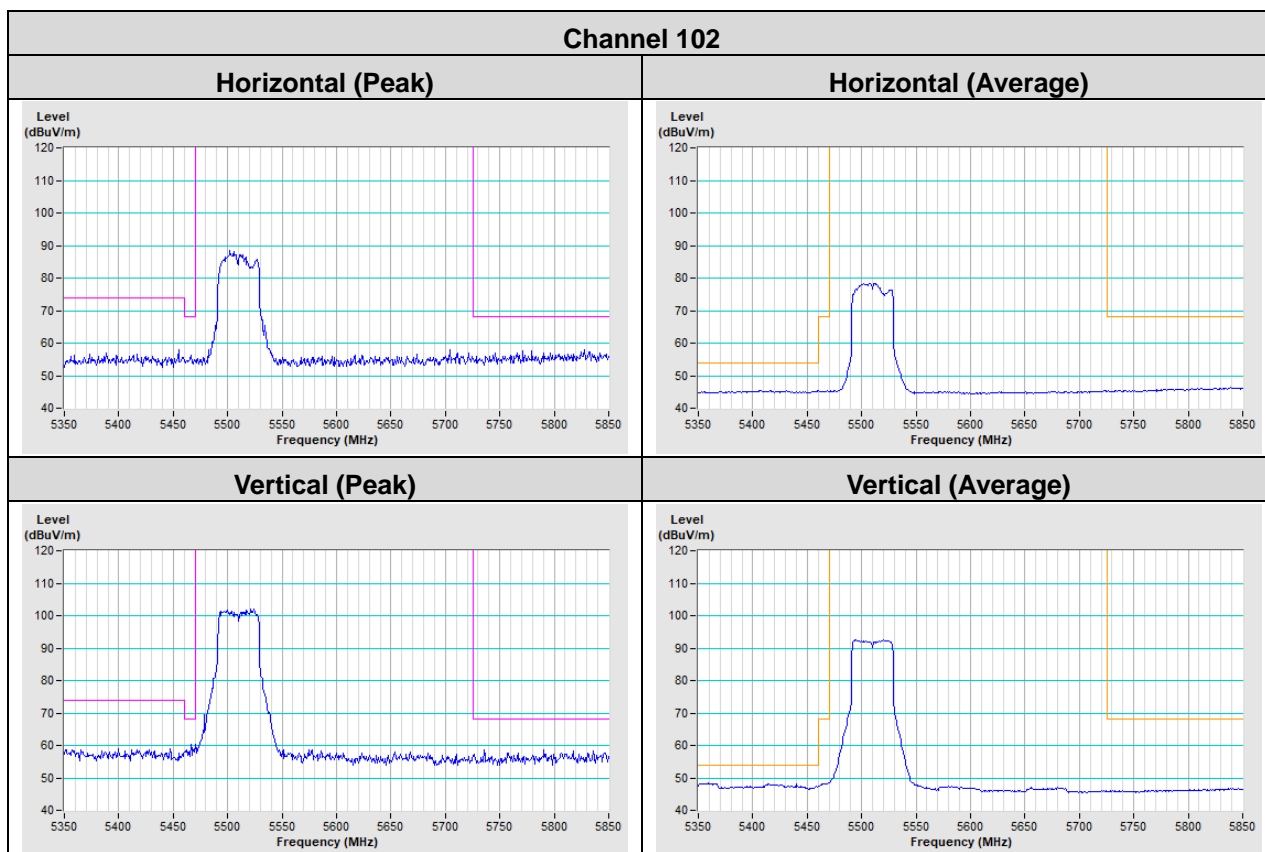


Vertical (Average)



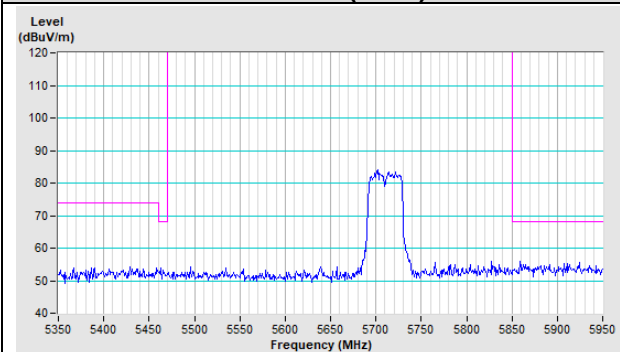
802.11n (HT40)



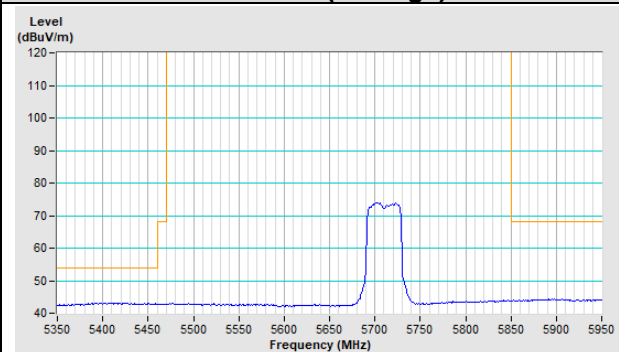


Channel 142

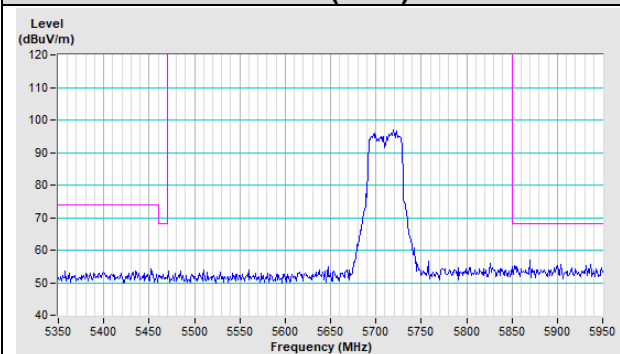
Horizontal (Peak)



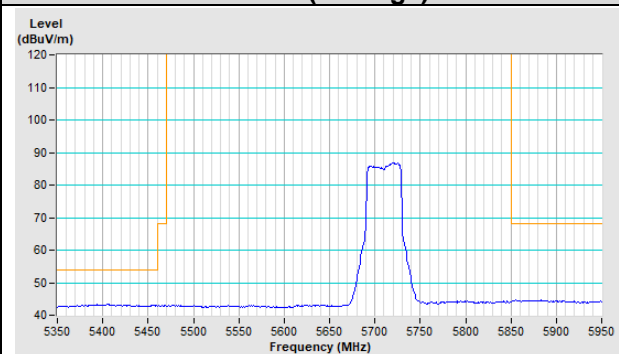
Horizontal (Average)



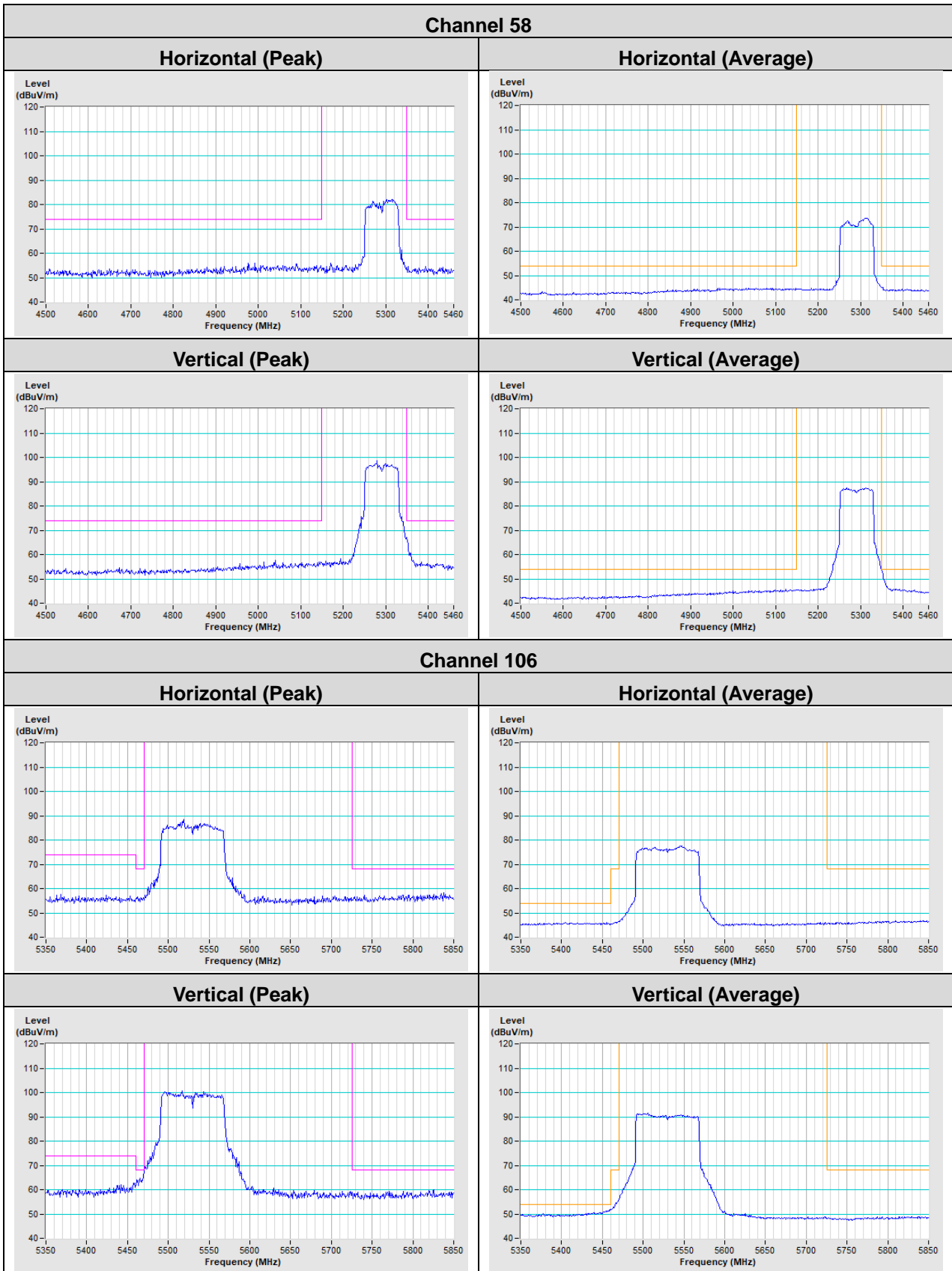
Vertical (Peak)



Vertical (Average)

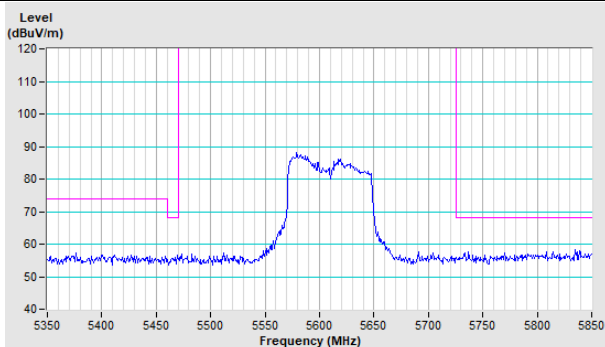


802.11ac (VHT80)

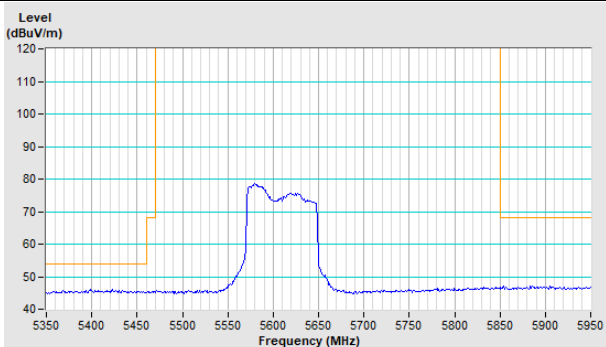


Channel 122

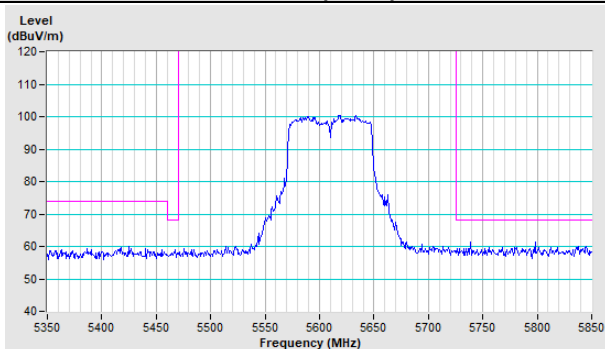
Horizontal (Peak)



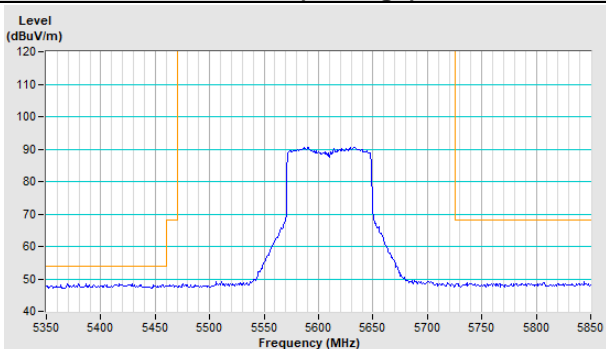
Horizontal (Average)



Vertical (Peak)

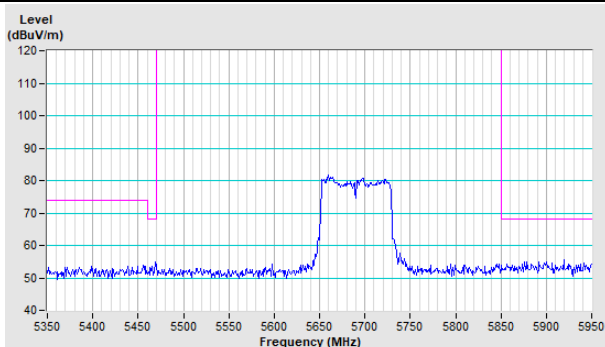


Vertical (Average)

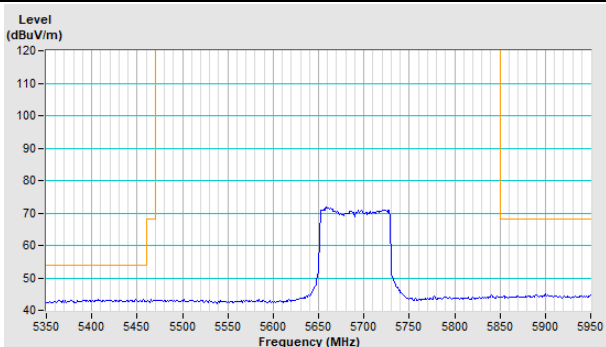


Channel 138

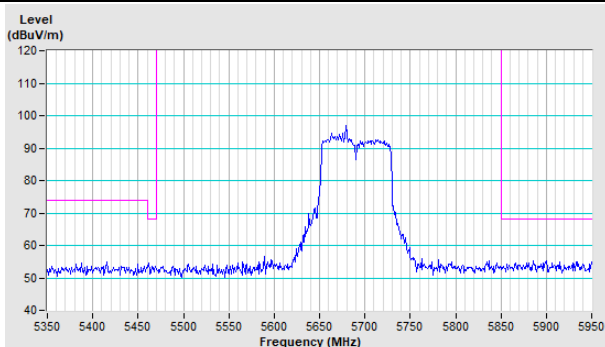
Horizontal (Peak)



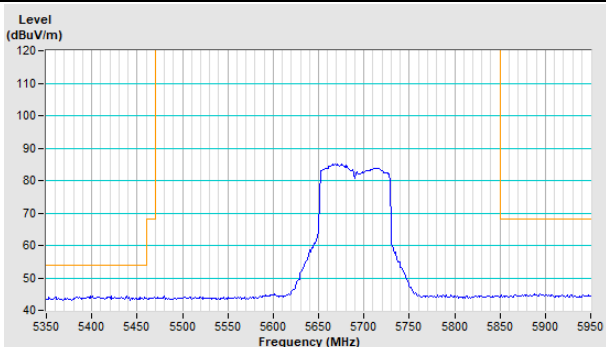
Horizontal (Average)



Vertical (Peak)



Vertical (Average)



Appendix – Information of the Testing Laboratories

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

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Web Site: www.bureauveritas-adt.com

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

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