TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBCUN-WTW-P23110013-4
FCC ID:	H8NNCM1120
Product:	AT&T Internet Air™ for Business 5G Gateway
Brand:	AT&T
Model No.:	NCM1120D2-D323
Received Date:	2023/11/1
Test Date:	2023/11/30 ~ 2024/1/3
Issued Date:	2024/1/29
Applicant:	ASKEY COMPUTER CORP.
Address:	10F, No.119, Jiankang Rd., Zhonghe Dist., New Taipei City, Taiwan
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kewi Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / Designation Number:	788550 / TW0003

Approved by: Jeremy . Lin , **Date:** 2024/1/29

Jeremy Lin / Project Engineer

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Prepared by : Pettie Chen / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBCUN-WTW-P23110013-4	Original release.	2024/1/29

1 Certificate

Product:	AT&T Internet Air™ for Business 5G Gateway
Brand:	AT&T
Test Model:	NCM1120D2-D323
Sample Status:	Engineering sample
Applicant:	ASKEY COMPUTER CORP.
Test Date:	2023/11/30 ~ 2024/1/3
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure:	ANSI C63.10-2013 KDB 789033 D02 General UNII Test Procedure New Rules v02r01 KDB 662911 D01 Multiple Transmitter Output v02r01

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.

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	Pass	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -14.50 dB at 0.16600 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -7.3 dB at 53.28 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.2 dB at 5467.84 MHz
15.203	Antenna Requirement	Pass	Antenna connector is U.FL not a standard connector.

Notes:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The “Dynamic Frequency Selection measurement” was recorded in DFS test report.

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	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	206.5 Hz
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.88 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	2.44 dB
	30 MHz ~ 1 GHz	2.95 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.26 dB
	18 GHz ~ 40 GHz	1.94 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	AT&T Internet Air™ for Business 5G Gateway
Brand	AT&T
Test Model	NCM1120D2-D323
HW Version	REV03
SW Version	NCM1120D2_v240131
Status of EUT	Engineering sample
Power Supply Rating	12Vdc from adapter
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax/11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 2882.4 Mbps
Operating Frequency	5.18 GHz ~ 5.25 GHz 5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 12 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 6 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160): 2
Output Power	5.18 GHz ~ 5.25 GHz: 696.807 mW (28.43 dBm) 5.26 GHz ~ 5.32 GHz: 248.053 mW (23.95 dBm) 5.5 GHz ~ 5.72 GHz: 249.837 mW (23.98 dBm) 5.745 GHz ~ 5.825 GHz: 950.748 mW (29.78 dBm)
EUT Category	Indoor Access Point

Note:

1. The EUT uses following accessories.

AC Adapter		
Brand	Model	Specification
MASS POWER	S030-1C120250VU	AC Input power: 100-240V~ 50/60Hz 0.8A DC Output power: 12.0V 2.5A

2. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	Model	Gain (dBi)				Antenna Type	Connector Type
		5150 ~ 5250 MHz	5250 ~ 5350 MHz	5470 ~ 5725 MHz	5725 ~ 5850 MHz		
ANT 13	AC10508-01A	4.98	4.81	4.23	5.16	PCB	U.FL
ANT 14	AC10508-01B	3.79	3.48	4.64	4.47	PCB	U.FL

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

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ac (VHT160)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX
802.11be (EHT20)	2TX	2RX
802.11be (EHT40)	2TX	2RX
802.11be (EHT80)	2TX	2RX
802.11be (EHT160)	2TX	2RX
Note: The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz, 160 MHz), 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) and 802.11be mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) therefore the manufacturer will control the power for 802.11n/ac/ax mode is same as the 802.11be mode or more lower than it and investigated worst case to representative mode in test report.		

3.3 Channel List

FOR 5180 ~ 5320 MHz

8 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):

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

4 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40):

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

2 channels are provided for 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

1 straddle channel is provided for 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

12 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):

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), 802.11be (EHT40):

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), 802.11be (EHT80):

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

1 straddle channel is provided for 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency
114	5570 MHz

FOR 5745 ~ 5825 MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):

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

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

1 channel is provided for 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

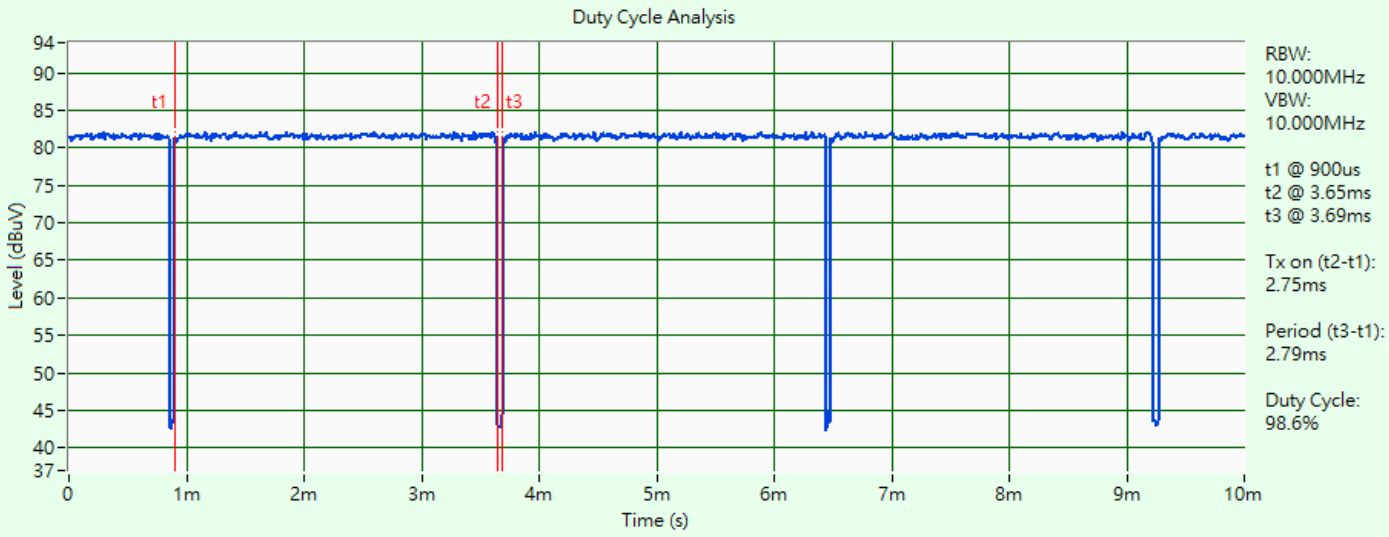
Pre-Scan:	EUT can be used in the following ways: X-axis / Y-axis / Z-axis. Pre-scan in these ways and find the worst case as a representative test condition.
Worst Case:	Worst Condition: Z-axis

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

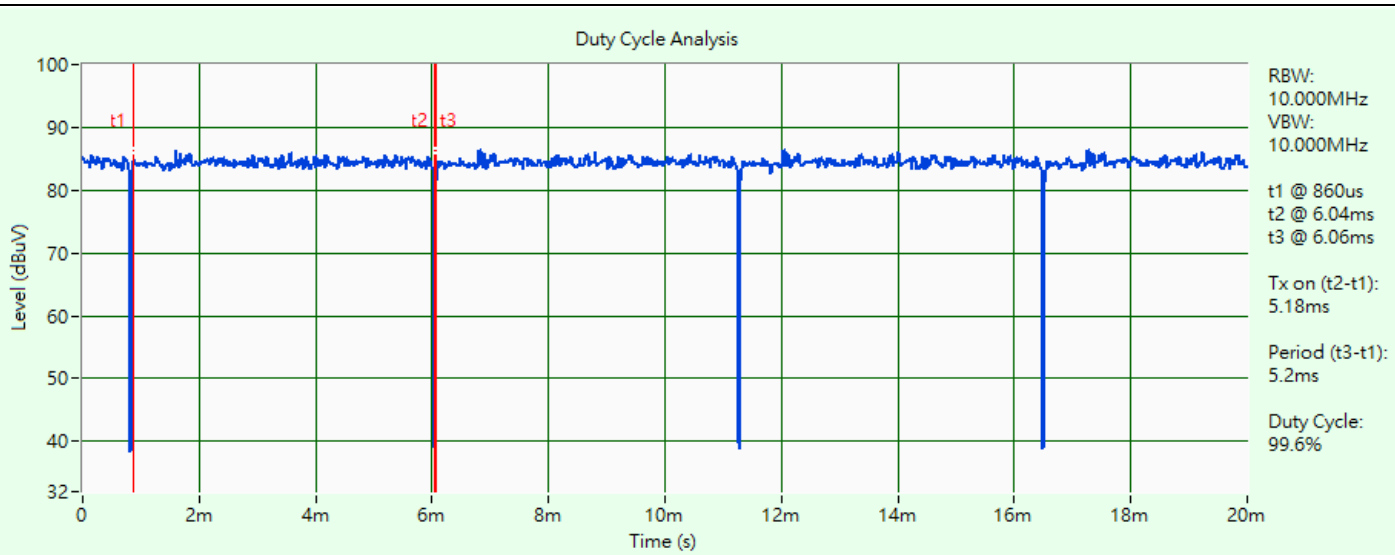
Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	802.11a	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11be (EHT20)	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11be (EHT40)	54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11be (EHT80)	58, 106, 122, 138	BPSK	MCS0
	802.11be (EHT160)	50, 114	BPSK	MCS0
RF Output Power / Power Spectral Density	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)	50, 114	BPSK	MCS0
6 dB Bandwidth	802.11a	144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)	144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	142, 151, 159	BPSK	MCS0
	802.11be (EHT80)	138, 155	BPSK	MCS0
Occupied Bandwidth	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)	50, 114	BPSK	MCS0
Frequency Stability	802.11a	36	unmodulated	-
AC Power Conducted Emissions	802.11a	165	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	802.11a	165	BPSK	6Mb/s
Unwanted Emissions above 1 GHz	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)	50, 114	BPSK	MCS0

3.5 Duty Cycle of Test Signal

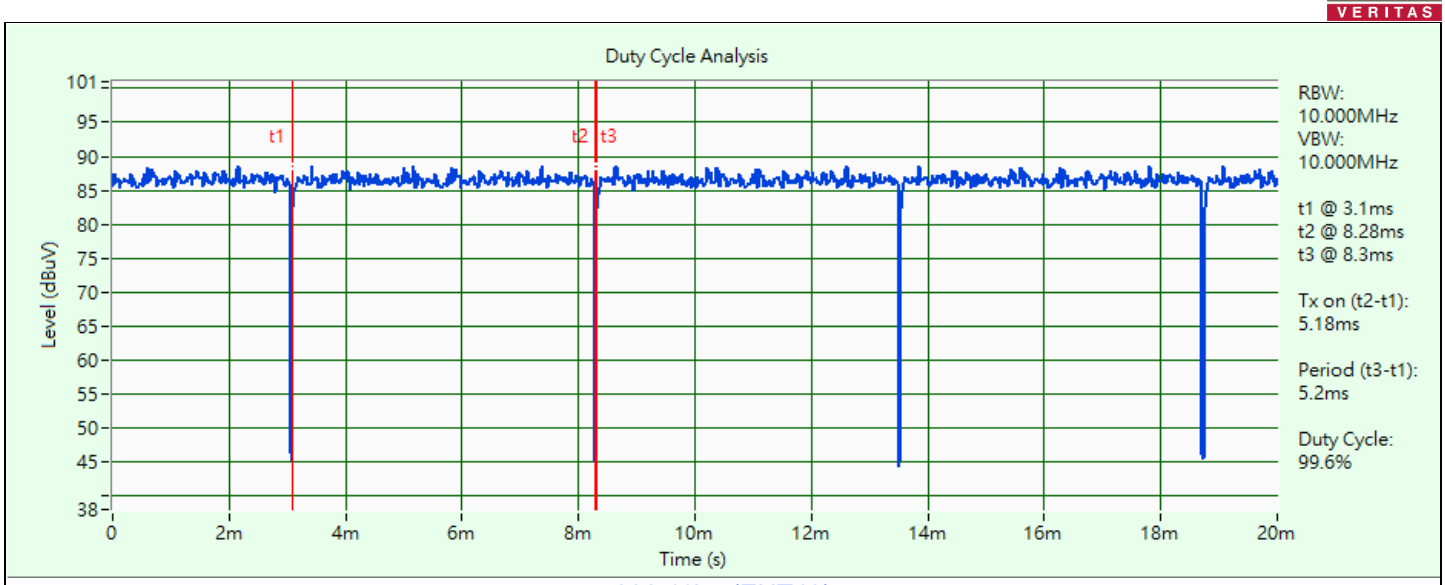
802.11a: Duty cycle = 2.75 ms / 2.79 ms x 100% = 98.6%
802.11be (EHT20): Duty cycle = 5.18 ms / 5.2 ms x 100% = 99.6%
802.11be (EHT40): Duty cycle = 5.18 ms / 5.2 ms x 100% = 99.6%
802.11be (EHT80): Duty cycle = 5.18 ms / 5.2 ms x 100% = 99.6%
802.11be (EHT160): Duty cycle = 5.18 ms / 5.2 ms x 100% = 99.6%



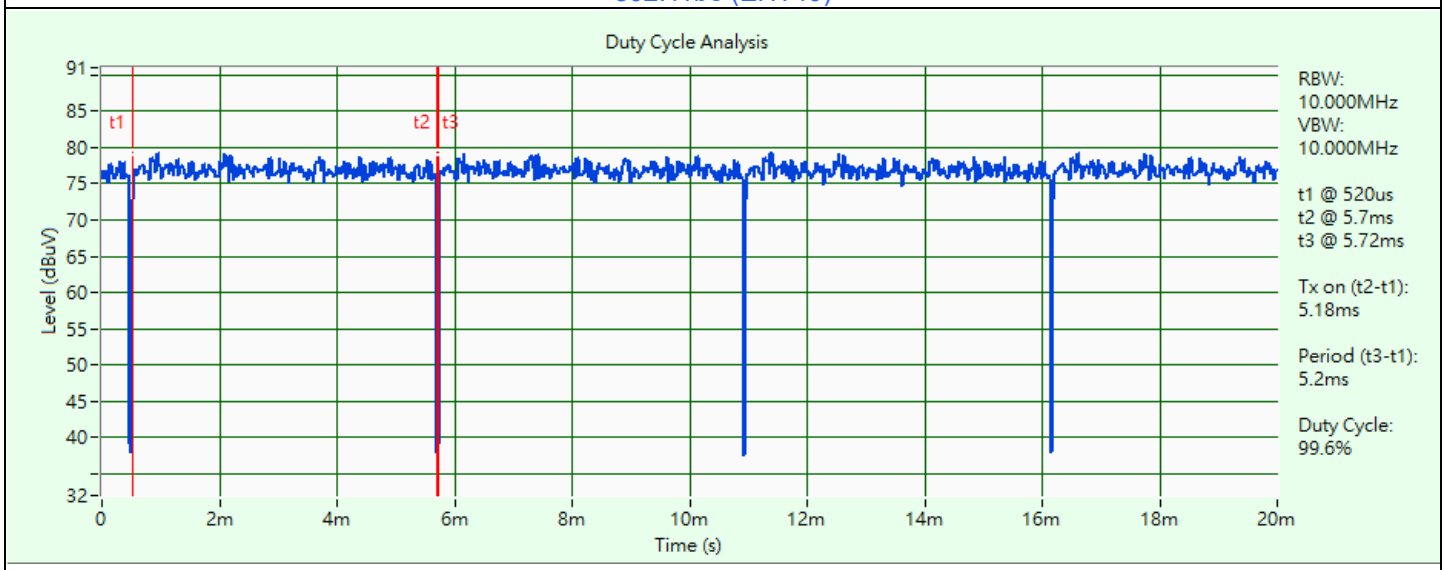
802.11a



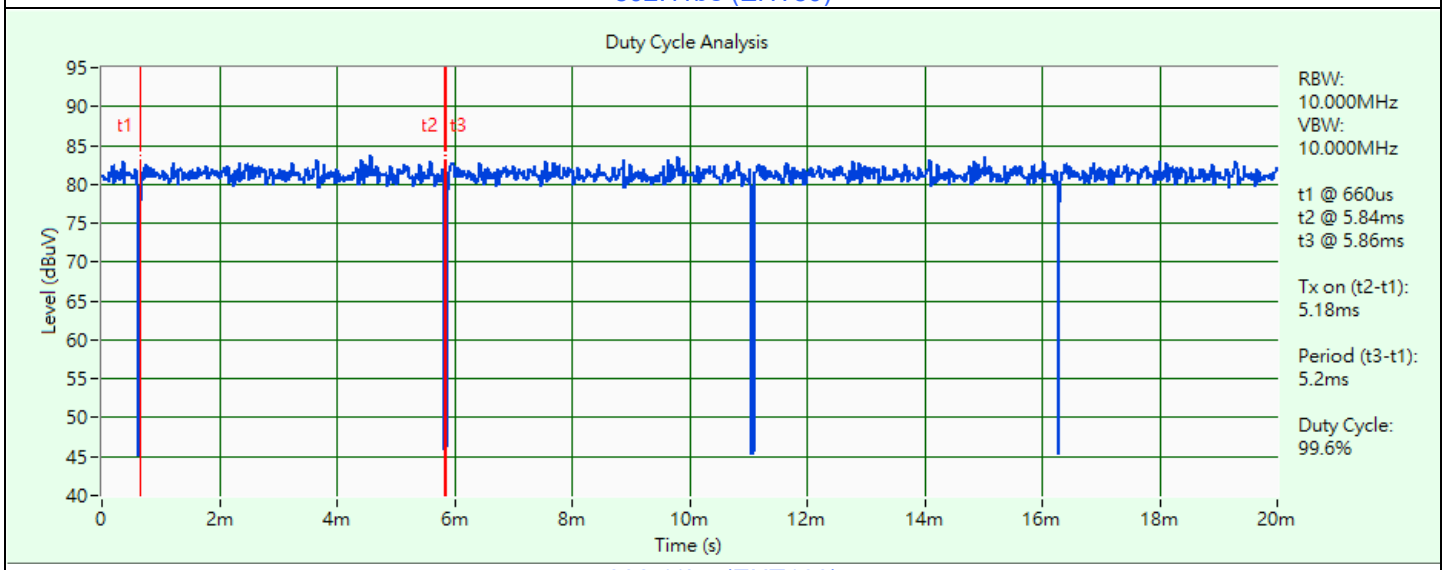
802.11be (EHT20)



802.11be (EHT40)



802.11be (EHT80)

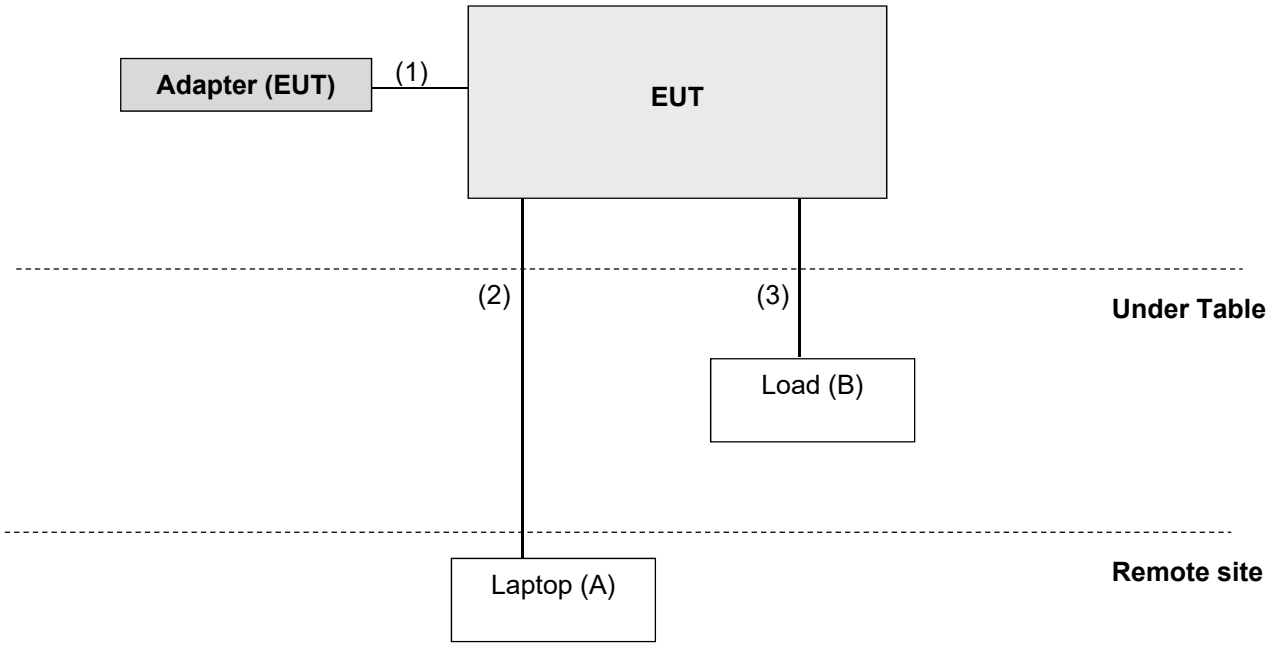


802.11be (EHT160)

3.6 Test Program Used and Operation Descriptions

Controlling software QA_Tool 0.0.2.104 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	Inspiron 14R	8LRKKW1	NA	Provided by Lab
B	Load	NA	NA	NA	NA	-

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.5	N	0	Accessory of EUT
2	LAN Cable	1	10	N	0	Provided by Lab
3	LAN Cable	3	1.8	N	0	Provided by Lab

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/12/10

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Peak Power Analyzer Keysight	8990B	MY51000485	2023/1/19	2024/1/18
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Wideband Power Sensor Keysight	N1923A	MY58020002	2023/1/18	2024/1/17
		MY58140009	2023/1/18	2024/1/17

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/12/10

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
AC Power Supply JIN YIH Technology	6905S	1720444	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2023/7/6	2024/7/5
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber Terchy	HRM-120RF	931022	2022/12/27	2023/12/26

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/12/10

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance HUBER+SUHNER	E1-011276	01	2023/2/1	2024/1/31
	E1-011312	10	2023/1/30	2024/1/29
	E1-011591	17	2023/2/1	2024/1/31
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2023/11/7	2024/11/6
EMI Test Receiver R&S	ESR3	102783	2022/12/21	2023/12/20
Fixed Attenuator SGH	BNC10W10dB	PAD-COND2-01	2023/9/2	2024/9/1
LISN R&S	ESH2-Z5	100100	2023/3/7	2024/3/6
	ESH3-Z5	100312	2023/9/12	2024/9/11
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2023/9/2	2024/9/1
Software BVADT	BVADT_Cond_ V7.3.7.4	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2023/8/31	2024/8/30

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2023/12/4

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower &Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-472	2023/10/16	2024/10/15
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/1/3	2024/1/2
Loop Antenna Electro-Metrics	EM-6879	269	2023/9/23	2024/9/22
Loop Antenna TESEQ	HLA 6121	45745	2023/8/8	2024/8/7
MXE EMI Receiver Keysight	N9038A	MY55420137	2023/5/3	2024/5/2
Preamplifier EMCI	EMC 330H	980112	2023/9/27	2024/9/26
	EMC001340	980201	2023/9/27	2024/9/26
RF Coaxial Cable EMCI	5D-NM-BM	140903+140902	2023/1/7	2024/1/6
RF Coaxial Cable Woken	8D-FB	Cable-Ch10-01	2023/9/27	2024/9/26
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MG-7802	N/A	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2023/12/4

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower &Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	7	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/1/3	2024/1/2
			2023/12/28	2024/12/27
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-969	2023/11/12	2024/11/11
	BBHA 9170	148	2023/11/12	2024/11/11
MXE EMI Receiver Keysight	N9038A	MY55420137	2023/5/3	2024/5/2
Notch Filter Micro-Tronics	BRM17690	004	2023/1/11	2024/1/10
	BRM50716	060	2023/1/11	2024/1/10
Preamplifier EMCI	EMC 012645	980115	2023/9/27	2024/9/26
	EMC 184045	980116	2023/9/27	2024/9/26
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2023/7/8	2024/7/7
	EMC102-KM-KM-3000	150929	2023/7/8	2024/7/7
	EMC104-SM-SM-8000+3000	171005	2023/9/27	2024/9/26
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	EMC104-SM-SM-1000(140807)	2023/9/27	2024/9/26
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MG-7802	N/A	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2023/11/30 ~ 2024/1/3

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

Operation Band	Limit
U-NII-2A	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-3	1 Watt (30 dBm)

*B is the 26 dB emission bandwidth in megahertz

Per KDB 662911 D01 Multiple Transmitter Output 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.

5.3 Power Spectral Density

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	17 dBm/MHz
	Fixed point-to-point Access Point	
	Indoor Access Point	
	Mobile and Portable client device	11 dBm/MHz

Operation Band	Limit
U-NII-2A	11 dBm/MHz
U-NII-2C	11 dBm/MHz
U-NII-3	30 dBm/500 kHz

5.4 6 dB Bandwidth

Within the 5.725-5.850 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Frequency Stability

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

5.7 AC Power Conducted Emissions

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

Notes:

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

5.8 Unwanted Emissions below 1 GHz

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

Notes:

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

5.9 Unwanted Emissions above 1 GHz

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)
Above 960	500	3

Notes:

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

Limits of unwanted emission out of the restricted bands

Applicable To	Limit	
789033 D02 General UNII Test Procedure New Rules v02r01	Field Strength at 3 m	
	PK: 74 (dBμV/m)	AV: 54 (dBμV/m)

For transmitters operating in the 5.15-5.25 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)

For transmitters operating in the 5.25-5.35 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(2)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)

For transmitters operating in the 5.47-5.725 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(3)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
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]
[*1] beyond 75 MHz or more above of the band edge. [*2] below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. [*3] below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. [*4] from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

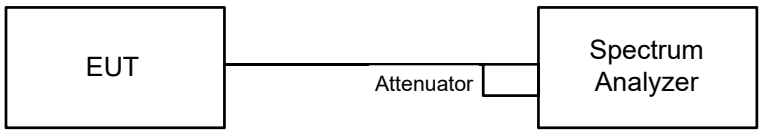
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup



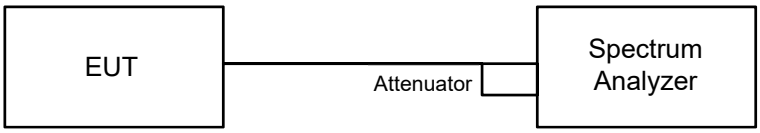
6.1.2 Test Procedure

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%.

6.2 RF Output Power

6.2.1 Test Setup

For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

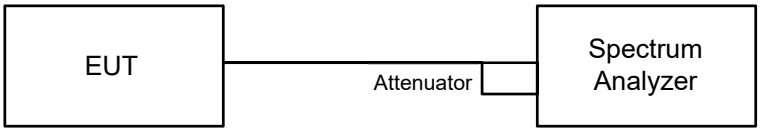
Method SA-1

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger set to “free run”.
e. Trace average at least 100 traces in power averaging mode.
f. Record the max value

Note: When measuring straddle channel power, use compute power by integrating the spectrum across the 26 dB EBW or 99% OBW of the signal using the instrument’s band power measurement function, with band limits set equal to the EBW or OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at 1 MHz intervals extending across the 26 dB EBW or 99% OBW of the spectrum.

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:
Method SA-1

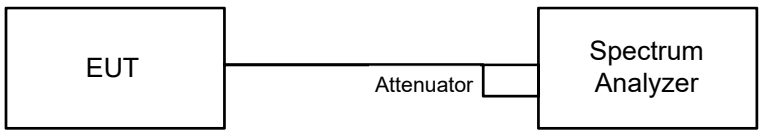
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger set to “free run”.
e. Trace average at least 100 traces in power averaging mode.
f. Record the max value

For specified measurement bandwidth 500 kHz:
Method SA-1

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
c. Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log(500 kHz/300 kHz)
d. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
e. Sweep time = auto, trigger set to “free run”.
f. Trace average at least 100 traces in power averaging mode.
g. Record the max value

6.4 6 dB Bandwidth

6.4.1 Test Setup

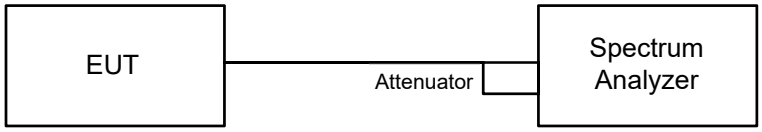


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

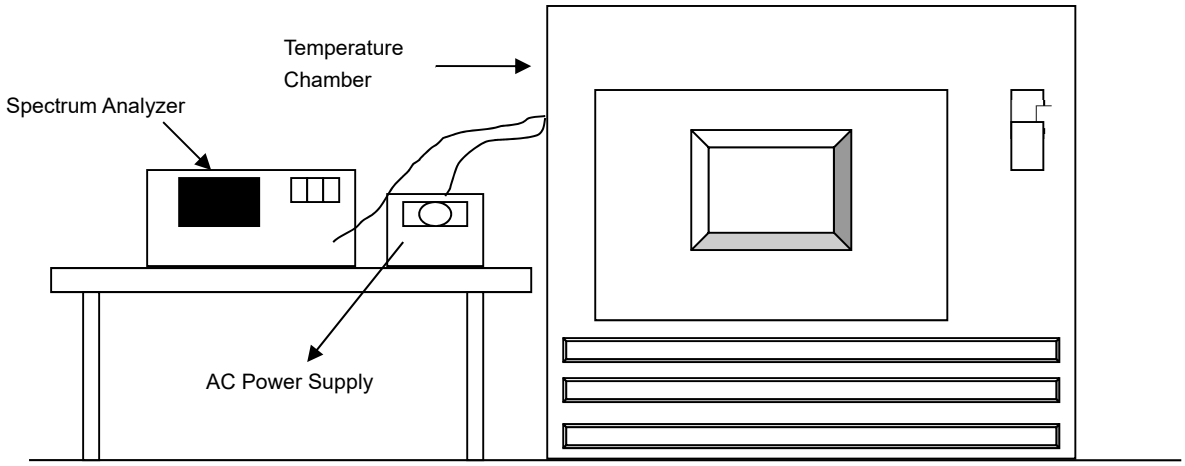


6.5.2 Test Procedure

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.

6.6 Frequency Stability

6.6.1 Test Setup

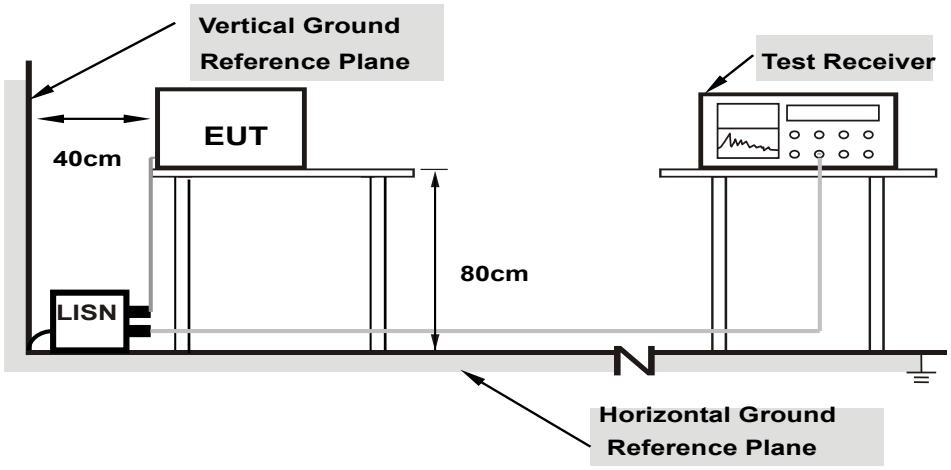


6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 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).

6.7.2 Test Procedure

a. The EUT was placed on a 0.8 meter to the top of table and 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/ 50 uH of coupling impedance for the measuring instrument.

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

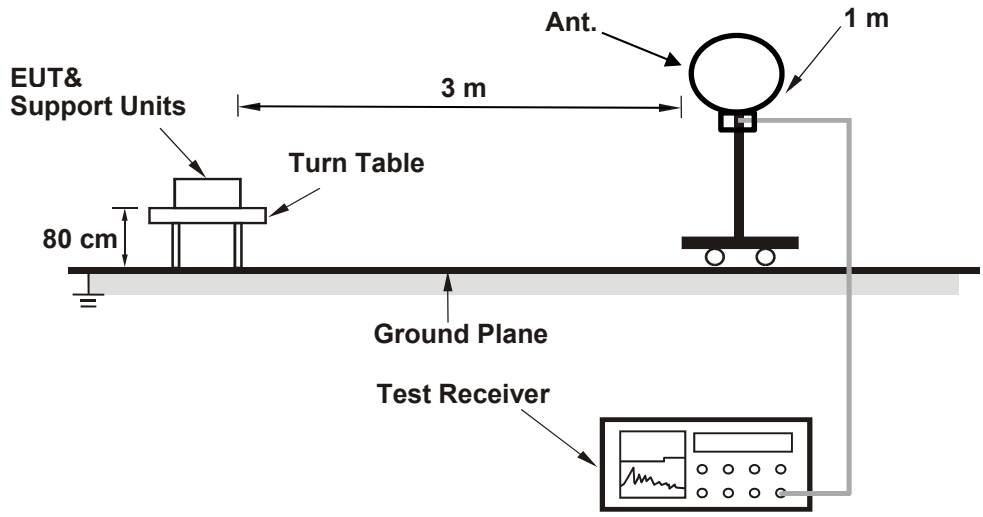
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

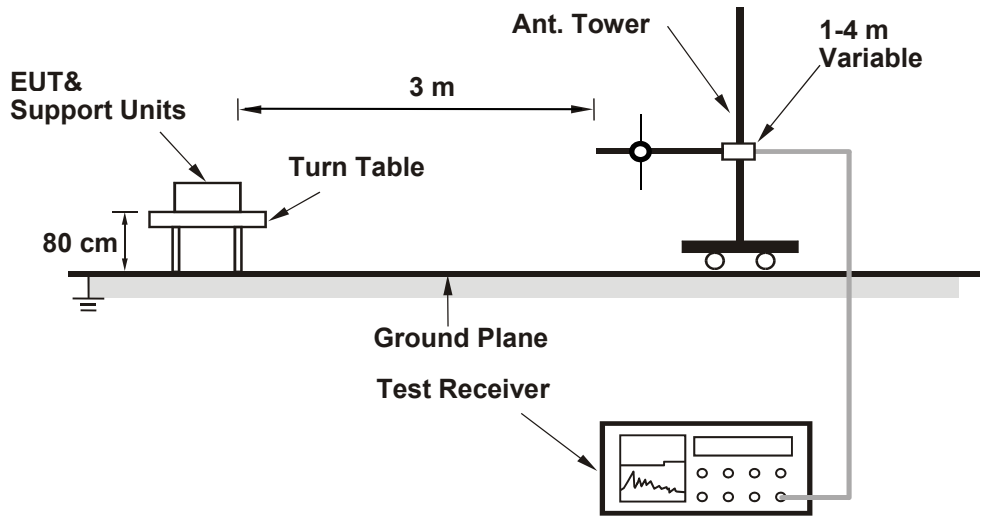
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 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. 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, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency (150 kHz to 30 MHz).
3. All modes of operation were investigated and the worst-case emissions are reported.

For Radiated emission above 30 MHz

a. The EUT was placed on the top of a rotating table 0.8 meters 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.

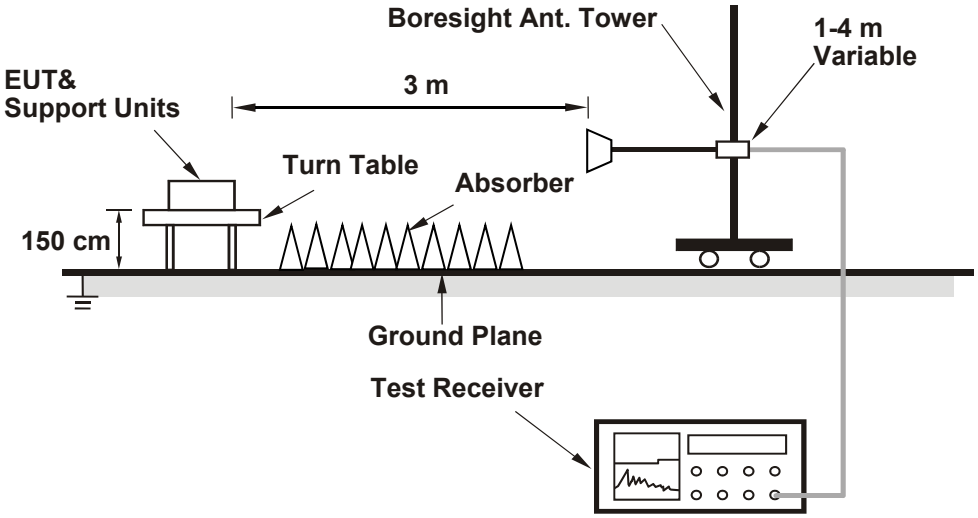
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

a. The EUT was placed on the top of a rotating table 1.5 meters 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 peak and average detects 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.

Notes:

1. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) and Average detection (AV) at frequency above 1 GHz.
2. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10 Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1 GHz.
3. All modes of operation were investigated and the worst-case emissions are reported.

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Tim Chen

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	18.84	18.78
60	5300	26.96	27.25
64	5320	23.47	24.13
100	5500	25.71	24.41
116	5580	18.81	18.79
140	5700	23.96	27.08
144 (U-NII-2C)	5720	14.30	14.35
144 (U-NII-3)	5720	4.33	4.40

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	18.78	23.73	<	24
60	5300	26.96	25.3	>	24
64	5320	23.47	24.7	>	24
100	5500	24.41	24.87	>	24
116	5580	18.79	23.73	<	24
140	5700	23.96	24.79	>	24
144 (U-NII-2C)	5720	14.30	22.55	<	24

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

802.11be (EHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.34	20.35
60	5300	21.34	20.37
64	5320	27.23	22.75
100	5500	28.08	27.64
116	5580	20.36	20.31
140	5700	22.95	22.89
144 (U-NII-2C)	5720	15.17	15.14
144 (U-NII-3)	5720	5.14	5.16

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	20.34	24.08	>	24
60	5300	20.37	24.08	>	24
64	5320	22.75	24.56	>	24
100	5500	27.64	25.41	>	24
116	5580	20.31	24.07	>	24
140	5700	22.89	24.59	>	24
144 (U-NII-2C)	5720	15.14	22.8	<	24

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

802.11be (EHT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	40.27	40.45
62	5310	42.12	42.75
102	5510	40.45	44.29
110	5550	40.42	40.33
134	5670	40.78	40.78
142 (U-NII-2C)	5710	35.16	35.22
142 (U-NII-3)	5710	5.16	5.13

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	40.27	27.04	>	24
62	5310	42.12	27.24	>	24
102	5510	40.45	27.06	>	24
110	5550	40.33	27.05	>	24
134	5670	40.78	27.1	>	24
142 (U-NII-2C)	5710	35.16	26.46	>	24

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

802.11be (EHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	96.09	96.59
106	5530	83.61	86.64
122	5610	81.27	81.20
138 (U-NII-2C)	5690	75.71	75.66
138 (U-NII-3)	5690	5.60	5.61

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	96.09	30.82	>	24
106	5530	83.61	30.22	>	24
122	5610	81.20	30.09	>	24
138 (U-NII-2C)	5690	75.66	29.78	>	24

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

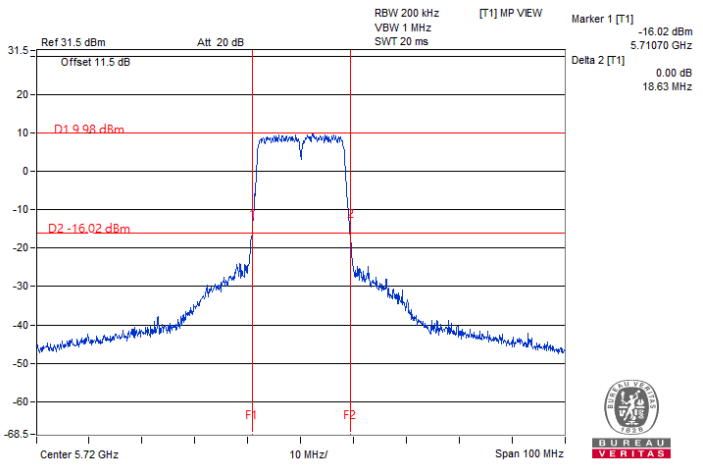
802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	82.38	82.42
50 (U-NII-2A)	5250	83.77	83.90
114	5570	166.32	167.17

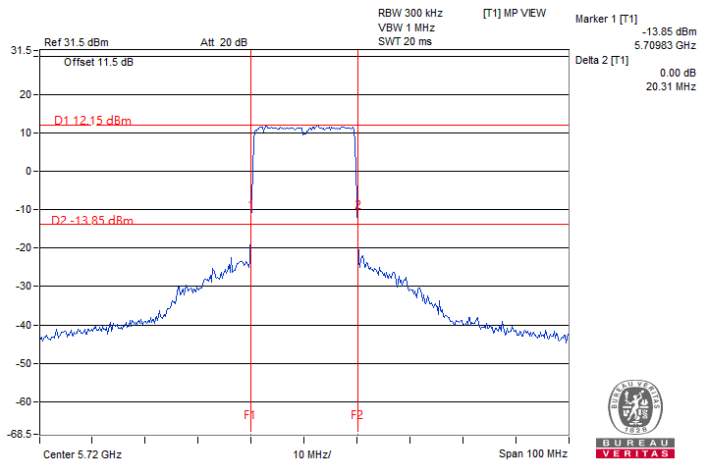
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	83.77	30.23	>	24
114	5570	166.32	33.2	>	24

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

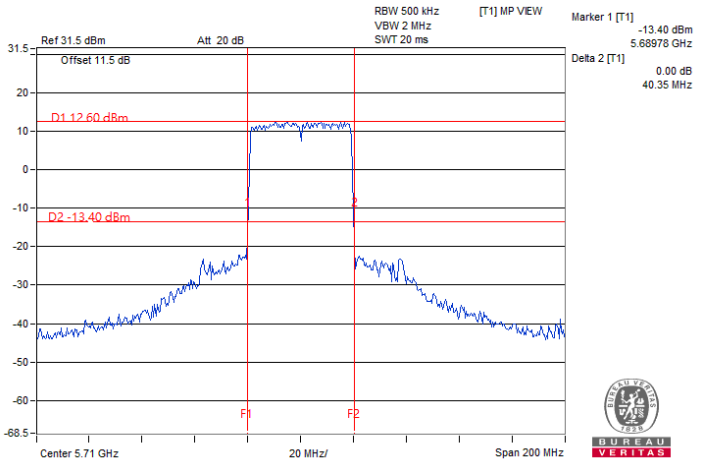
Spectrum Plot of Minimum Value



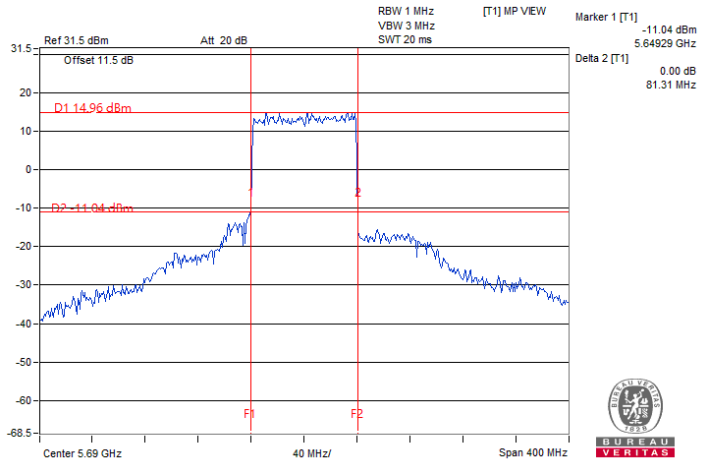
802.11a / Chain 0 : CH 144 (U-NII-3)



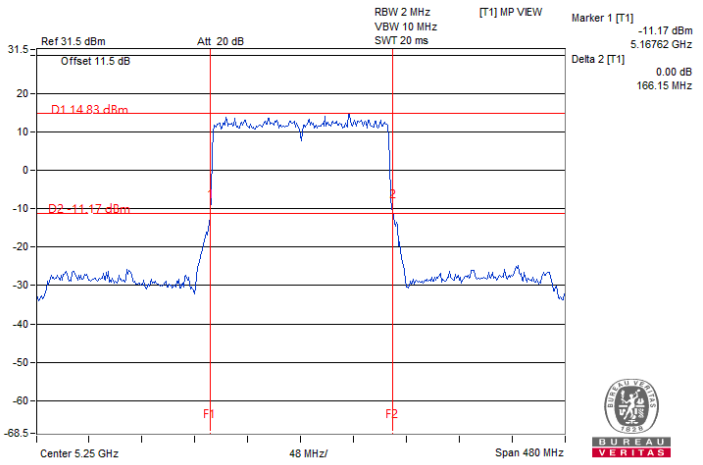
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-3)



802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)



802.11be (EHT80) / Chain 0 : CH 138 (U-NII-3)



802.11be (EHT160) / Chain 0 : CH 50 (U-NII-1)

Notes:

1. For U-NII-2C straddle channel = 5725 MHz - Marker 1
2. For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz
3. For U-NII-1 straddle channel = 5250 MHz - Marker 1
4. For U-NII-2A straddle channel = Marker 1 + Delta 2 - 5250 MHz

7.2 RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Tim Chen

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	21.94	21.89	310.84	24.93	30	Pass
40	5200	24.92	24.86	616.652	27.90	30	Pass
48	5240	24.91	24.84	614.531	27.89	30	Pass
52	5260	19.73	19.46	182.28	22.61	23.73	Pass
60	5300	19.71	19.42	181.039	22.58	24	Pass
64	5320	19.88	19.64	189.32	22.77	24	Pass
100	5500	19.75	19.51	183.737	22.64	24	Pass
116	5580	19.71	19.45	181.645	22.59	23.73	Pass
140	5700	19.73	19.47	182.484	22.61	24	Pass
*144 (U-NII-2C)	5720	18.55	18.41	144.219	21.59	22.55	Pass
*144 (U-NII-3)	5720	12.50	12.40	35.975	15.56	30	Pass
149	5745	26.93	26.58	948.162	29.77	30	Pass
157	5785	26.89	26.42	927.183	29.67	30	Pass
165	5825	27.06	26.46	950.748	29.78	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 4.98 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.81 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.64 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	21.74	21.72	297.873	24.74	30	Pass
40	5200	24.60	24.52	571.542	27.57	30	Pass
48	5240	25.64	25.19	696.807	28.43	30	Pass
52	5260	19.92	19.71	191.715	22.83	24	Pass
60	5300	19.38	19.12	168.354	22.26	24	Pass
64	5320	19.35	19.07	166.823	22.22	24	Pass
100	5500	19.97	19.73	193.284	22.86	24	Pass
116	5580	20.45	20.17	214.909	23.32	24	Pass
140	5700	19.91	19.67	190.632	22.80	24	Pass
*144 (U-NII-2C)	5720	18.69	18.22	140.335	21.47	22.8	Pass
*144 (U-NII-3)	5720	13.71	13.30	44.876	16.52	30	Pass
149	5745	26.65	26.26	885.05	29.47	30	Pass
157	5785	26.57	26.24	874.668	29.42	30	Pass
165	5825	26.68	26.19	881.497	29.45	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 4.98 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.81 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.64 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	19.93	19.48	187.117	22.72	30	Pass
46	5230	24.02	23.75	489.485	26.90	30	Pass
54	5270	21.04	20.58	241.345	23.83	24	Pass
62	5310	20.97	20.90	248.053	23.95	24	Pass
102	5510	20.51	19.76	207.084	23.16	24	Pass
110	5550	21.10	20.49	240.769	23.82	24	Pass
134	5670	20.85	20.02	222.08	23.47	24	Pass
*142 (U-NII-2C)	5710	19.95	19.40	185.952	22.69	24	Pass
*142 (U-NII-3)	5710	10.93	10.38	23.302	13.67	30	Pass
151	5755	24.88	24.85	613.102	27.88	30	Pass
159	5795	24.79	24.37	574.827	27.60	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 4.98 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.81 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.64 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	19.95	19.89	196.354	22.93	30	Pass
58	5290	20.97	20.87	247.206	23.93	24	Pass
106	5530	21.07	20.86	249.837	23.98	24	Pass
122	5610	20.73	20.59	232.855	23.67	24	Pass
*138 (U-NII-2C)	5690	21.06	20.55	241.145	23.82	24	Pass
*138 (U-NII-3)	5690	8.68	8.22	14.016	11.47	30	Pass
155	5775	21.91	21.72	303.832	24.83	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 4.98 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.81 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.64 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.

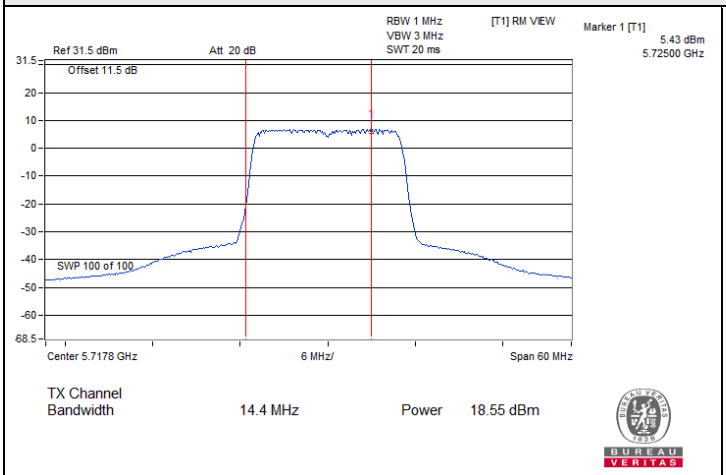
802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	16.55	15.82	83.38	19.21	30	Pass
*50 (U-NII-2A)	5250	16.71	16.06	87.246	19.41	24	Pass
114	5570	20.46	19.75	205.579	23.13	24	Pass

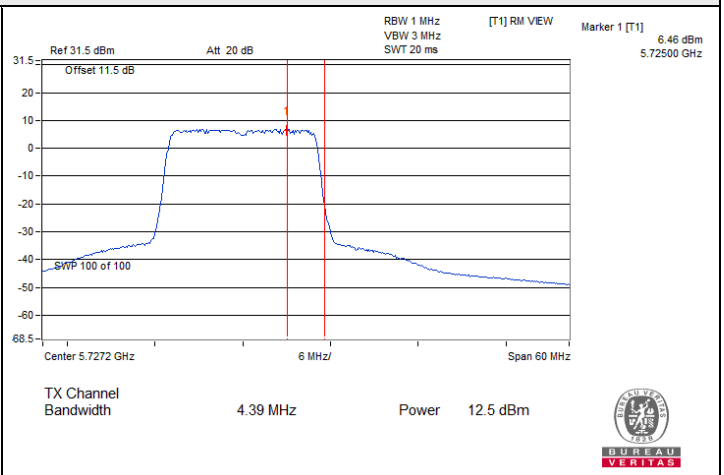
Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 4.98 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.81 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.64 dBi < 6 dBi, so the output power limit shall not be reduced.

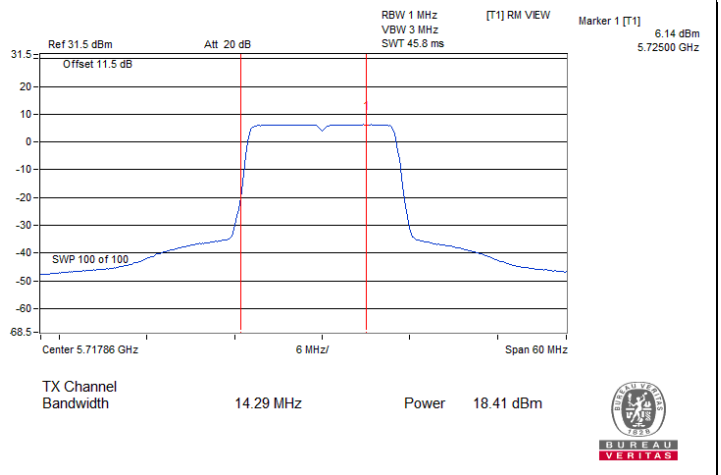
Spectrum Plot for channel straddling



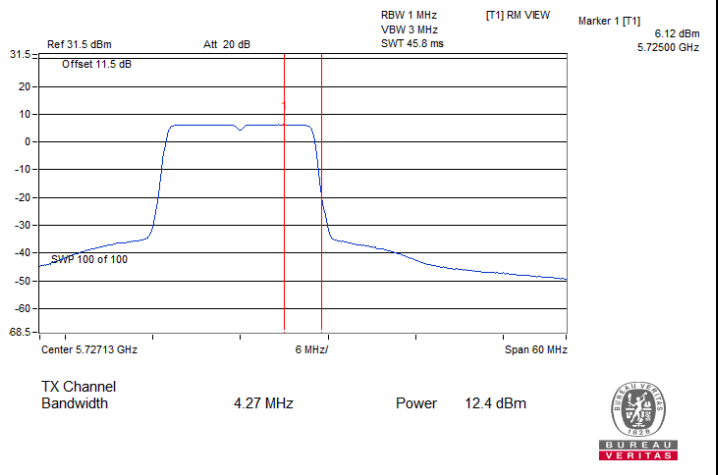
802.11a / Chain 0 : CH 144 (U-NII-2C)



802.11a / Chain 0 : CH 144 (U-NII-3)

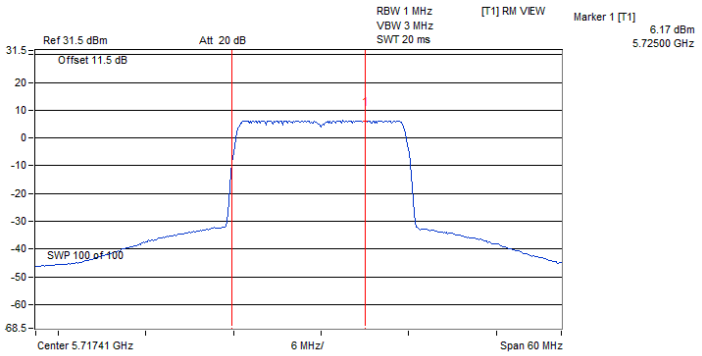


802.11a / Chain 1 : CH 144 (U-NII-2C)



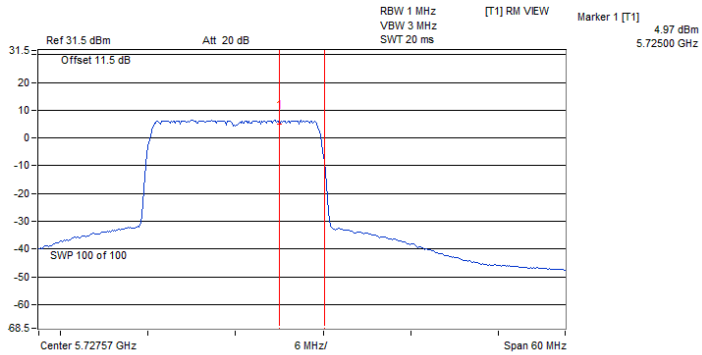
802.11a / Chain 1 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



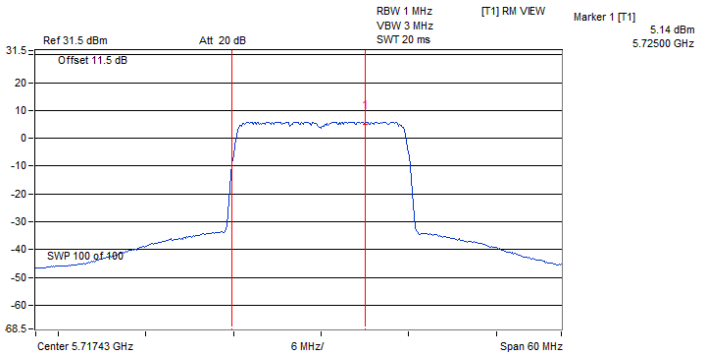
TX Channel Bandwidth 15.17 MHz Power 18.69 dBm

802.11be (EHT20) / Chain 0 : CH 144 (U-NII-2C)



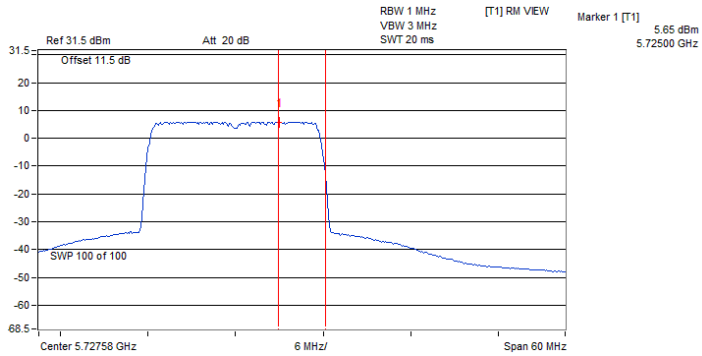
TX Channel Bandwidth 5.14 MHz Power 13.71 dBm

802.11be (EHT20) / Chain 0 : CH 144 (U-NII-3)



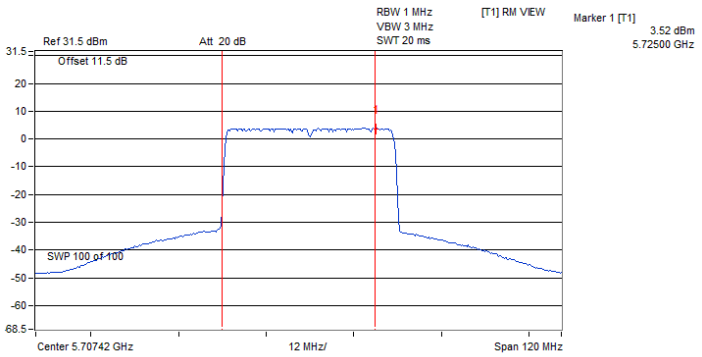
TX Channel Bandwidth 15.14 MHz Power 18.22 dBm

802.11be (EHT20) / Chain 1 : CH 144 (U-NII-2C)



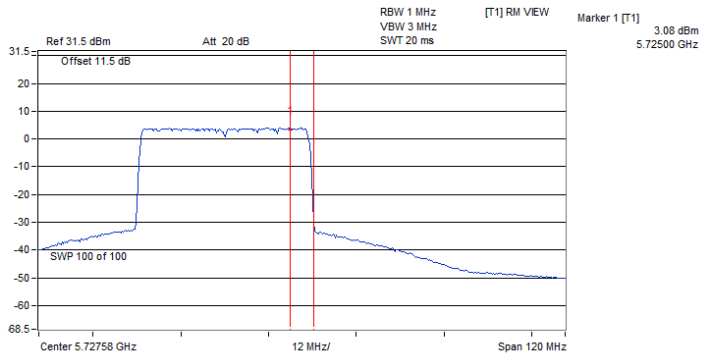
TX Channel Bandwidth 5.16 MHz Power 13.3 dBm

802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



TX Channel Bandwidth 35.16 MHz Power 19.95 dBm

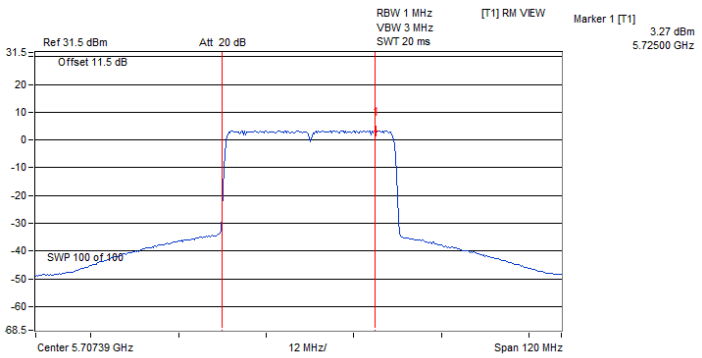
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-2C)



TX Channel Bandwidth 5.16 MHz Power 10.93 dBm

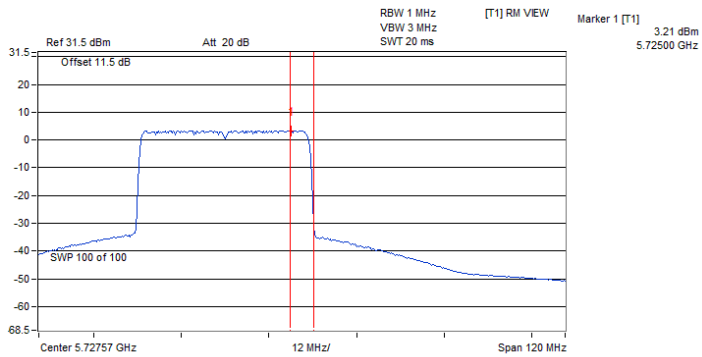
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-3)

Spectrum Plot for channel straddling



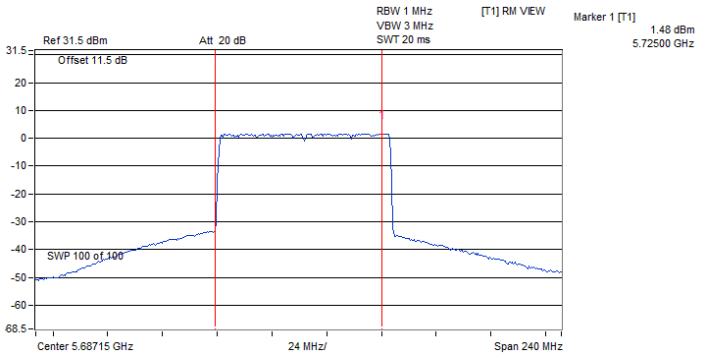
TX Channel Bandwidth 35.22 MHz Power 19.4 dBm

802.11be (EHT40) / Chain 1 : CH 142 (U-NII-2C)



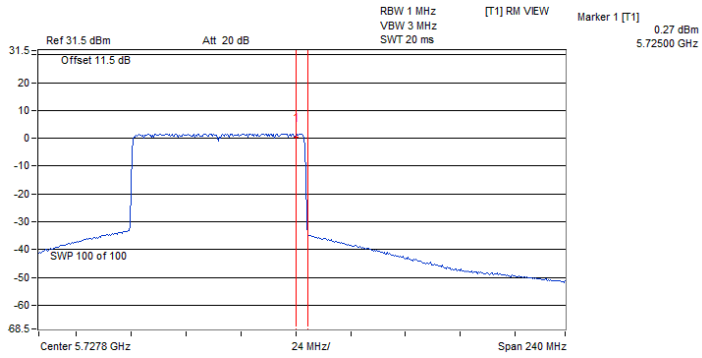
TX Channel Bandwidth 5.13 MHz Power 10.38 dBm

802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)



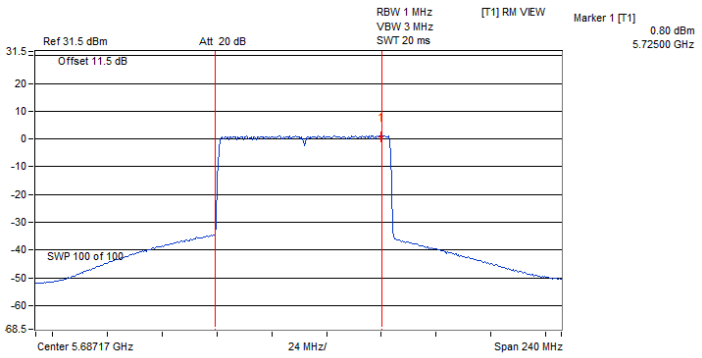
TX Channel Bandwidth 75.71 MHz Power 21.06 dBm

802.11be (EHT80) / Chain 0 : CH 138 (U-NII-2C)



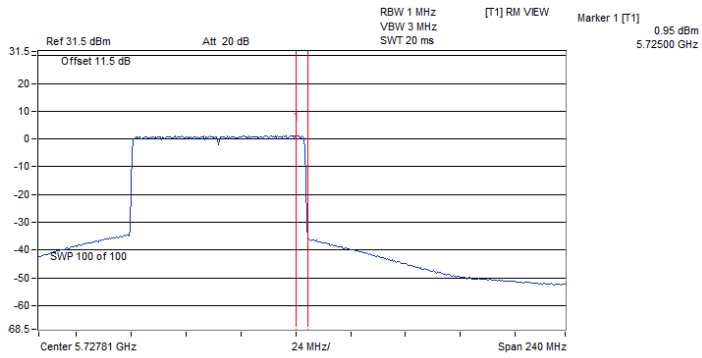
TX Channel Bandwidth 5.6 MHz Power 8.68 dBm

802.11be (EHT80) / Chain 0 : CH 138 (U-NII-3)



TX Channel Bandwidth 75.66 MHz Power 20.55 dBm

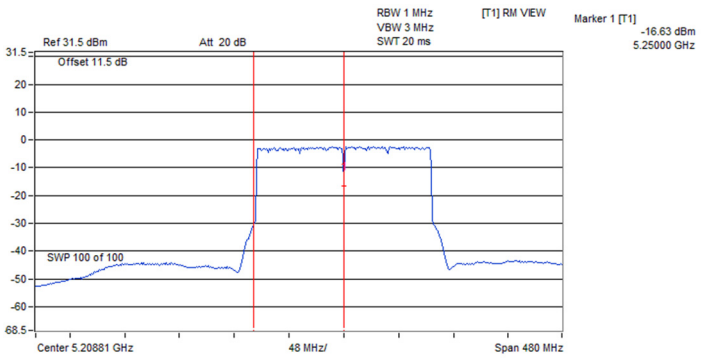
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)



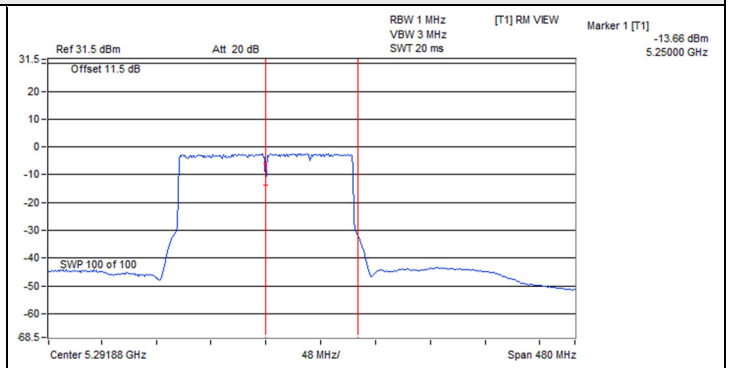
TX Channel Bandwidth 5.61 MHz Power 8.22 dBm

802.11be (EHT80) / Chain 1 : CH 138 (U-NII-3)

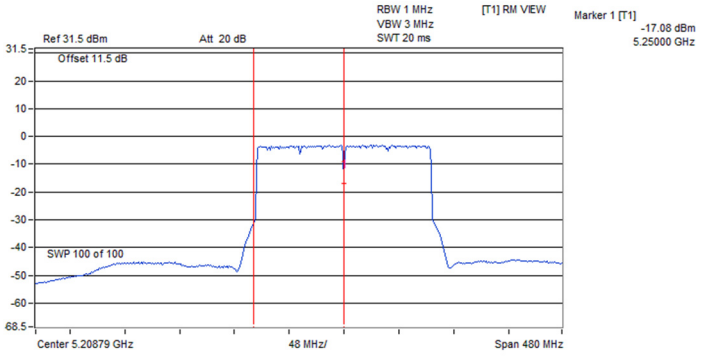
Spectrum Plot for channel straddling



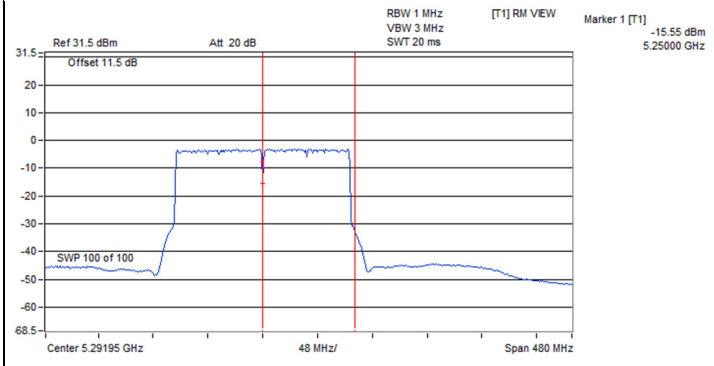
802.11be (EHT160) / Chain 0 : CH 50 (U-NII-1)



802.11be (EHT160) / Chain 0 : CH 50 (U-NII-2A)



802.11be (EHT160) / Chain 1 : CH 50 (U-NII-1)



802.11be (EHT160) / Chain 1 : CH 50 (U-NII-2A)

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Tim Chen

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	9.05	8.55	11.82	15.58	Pass
40	5200	12.85	12.02	15.47	15.58	Pass
48	5240	12.52	12.07	15.31	15.58	Pass
52	5260	6.89	6.41	9.67	9.82	Pass
60	5300	6.99	6.35	9.69	9.82	Pass
64	5320	6.97	6.34	9.68	9.82	Pass
100	5500	6.56	6.12	9.36	9.55	Pass
116	5580	6.55	6.15	9.36	9.55	Pass
140	5700	6.62	6.15	9.40	9.55	Pass
144 (U-NII-2C)	5720	6.67	6.18	9.44	9.55	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 7.42 dBi > 6 dBi, so the power density limit shall be reduced to 17-(7.42-6) = 15.58 dBm/MHz.
4. For U-NII-2A, the directional gain is 7.18 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.18-6) = 9.82 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.45 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.45-6) = 9.55 dBm/MHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	8.37	7.93	11.17	15.58	Pass
40	5200	11.22	10.75	14.00	15.58	Pass
48	5240	12.07	11.86	14.98	15.58	Pass
52	5260	6.47	6.08	9.29	9.82	Pass
60	5300	6.46	5.72	9.12	9.82	Pass
64	5320	6.52	5.73	9.15	9.82	Pass
100	5500	6.21	6.00	9.12	9.55	Pass
116	5580	6.45	5.88	9.18	9.55	Pass
140	5700	6.61	6.07	9.36	9.55	Pass
144 (U-NII-2C)	5720	6.23	5.71	8.99	9.55	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 7.42 dBi > 6 dBi, so the power density limit shall be reduced to 17-(7.42-6) = 15.58 dBm/MHz.
4. For U-NII-2A, the directional gain is 7.18 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.18-6) = 9.82 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.45 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.45-6) = 9.55 dBm/MHz.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	3.14	2.83	6.00	15.58	Pass
46	5230	7.38	6.86	10.14	15.58	Pass
54	5270	3.66	3.12	6.41	9.82	Pass
62	5310	4.37	3.84	7.12	9.82	Pass
102	5510	3.52	3.03	6.29	9.55	Pass
110	5550	4.10	3.66	6.90	9.55	Pass
134	5670	4.15	3.66	6.92	9.55	Pass
142 (U-NII-2C)	5710	3.78	3.20	6.51	9.55	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 7.42 dBi > 6 dBi, so the power density limit shall be reduced to 17-(7.42-6) = 15.58 dBm/MHz.
4. For U-NII-2A, the directional gain is 7.18 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.18-6) = 9.82 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.45 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.45-6) = 9.55 dBm/MHz.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-0.28	-0.85	2.45	15.58	Pass
58	5290	1.06	0.60	3.85	9.82	Pass
106	5530	1.06	0.62	3.86	9.55	Pass
122	5610	1.02	0.59	3.82	9.55	Pass
138 (U-NII-2C)	5690	1.53	1.07	4.32	9.55	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 7.42 dBi > 6 dBi, so the power density limit shall be reduced to 17-(7.42-6) = 15.58 dBm/MHz.
4. For U-NII-2A, the directional gain is 7.18 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.18-6) = 9.82 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.45 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.45-6) = 9.55 dBm/MHz.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
50 (U-NII-1)	5250	-2.90	-3.66	-0.25	15.58	Pass
50 (U-NII-2A)	5250	-2.90	-3.57	-0.21	9.82	Pass
114	5570	-2.22	-2.92	0.45	9.55	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 7.42 dBi > 6 dBi, so the power density limit shall be reduced to 17-(7.42-6) = 15.58 dBm/MHz.
4. For U-NII-2A, the directional gain is 7.18 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.18-6) = 9.82 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.45 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.45-6) = 9.55 dBm/MHz.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-1.72	-2.18	1.07	3.29	28.17	Pass
149	5745	7.36	5.76	9.64	11.86	28.17	Pass
157	5785	7.25	7.01	10.14	12.36	28.17	Pass
165	5825	7.18	6.66	9.94	12.16	28.17	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 7.83 dBi > 6 dBi, so the power density limit shall be reduced to 30-(7.83-6) = 28.17 dBm/500kHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-2.89	-3.30	-0.08	2.14	28.17	Pass
149	5745	3.93	3.55	6.75	8.97	28.17	Pass
157	5785	4.21	3.54	6.9	9.12	28.17	Pass
165	5825	4.59	3.60	7.13	9.35	28.17	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 7.83 dBi > 6 dBi, so the power density limit shall be reduced to 30-(7.83-6) = 28.17 dBm/500kHz.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-5.40	-5.97	-2.67	-0.45	28.17	Pass
151	5755	-1.06	-1.49	1.74	3.96	28.17	Pass
159	5795	-1.16	-1.76	1.56	3.78	28.17	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 7.83 dBi > 6 dBi, so the power density limit shall be reduced to 30-(7.83-6) = 28.17 dBm/500kHz.

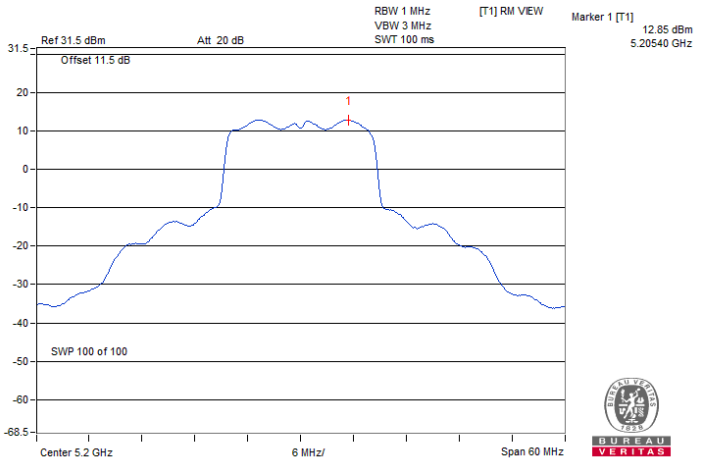
802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-7.66	-8.10	-4.86	-2.64	28.17	Pass
155	5775	-7.02	-7.70	-4.34	-2.12	28.17	Pass

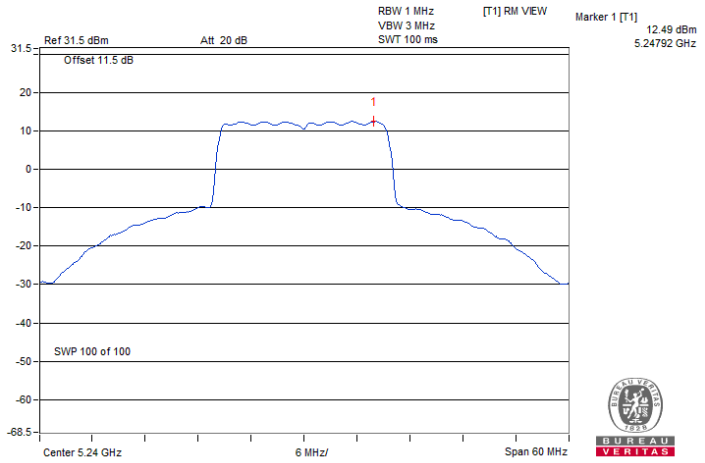
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 7.83 dBi > 6 dBi, so the power density limit shall be reduced to 30-(7.83-6) = 28.17 dBm/500kHz.

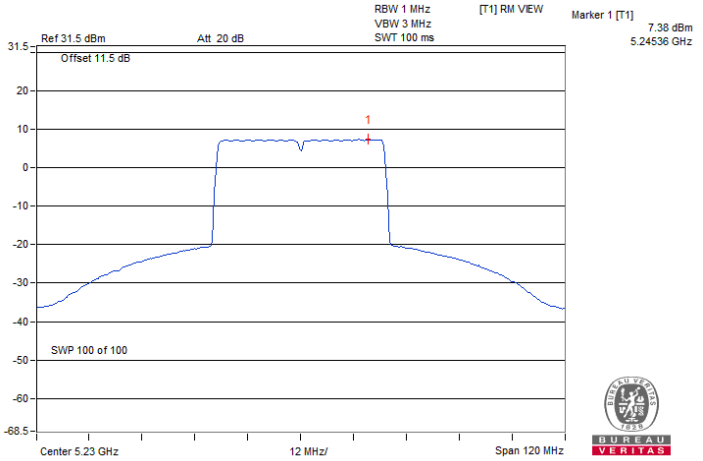
Spectrum Plot of Maximum Value



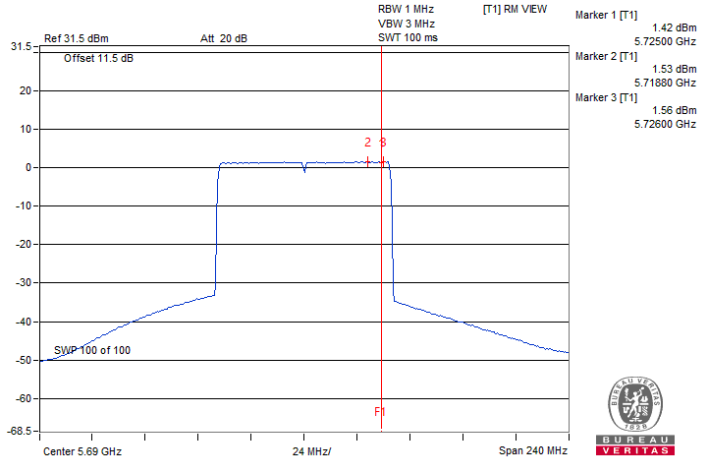
802.11a / Chain 0 : CH 40



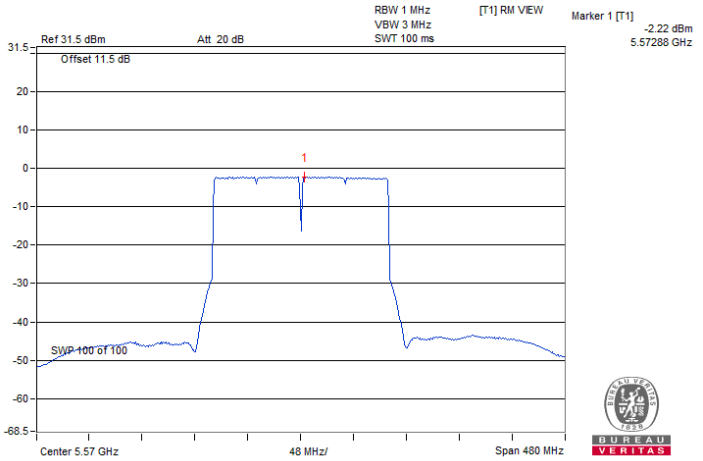
802.11be (EHT20) / Chain 0 : CH 48



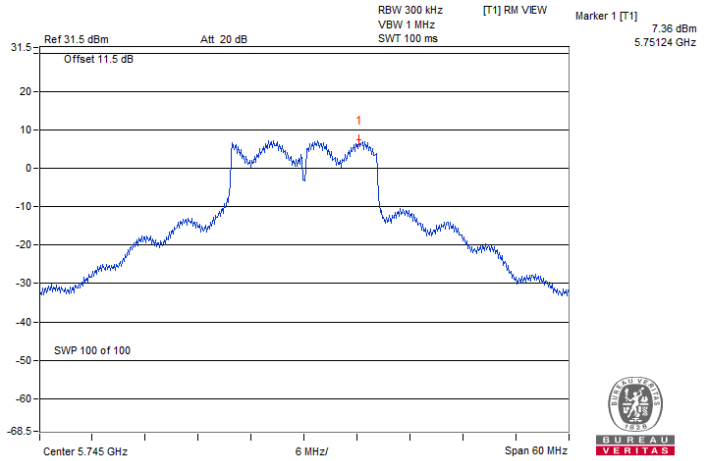
802.11be (EHT40) / Chain 0 : CH 46



802.11be (EHT80) / Chain 0 : CH 138 (U-NII-2C)

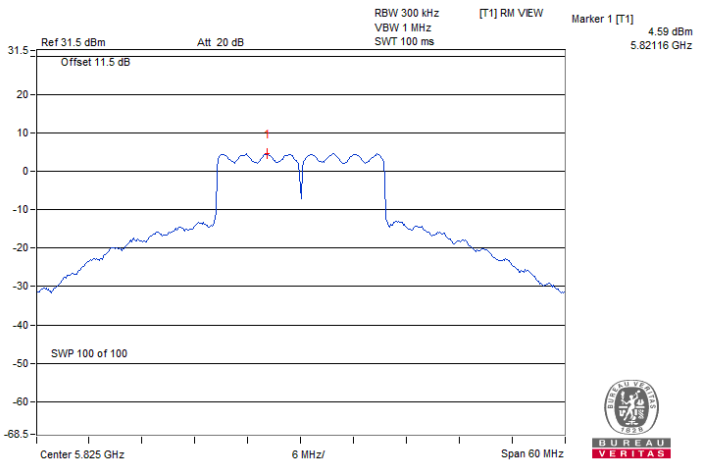


802.11be (EHT160) / Chain 0 : CH 114

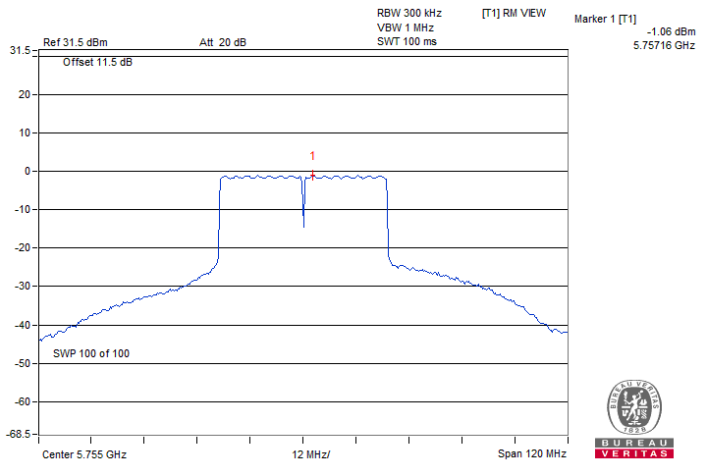


802.11a / Chain 0 : CH 149

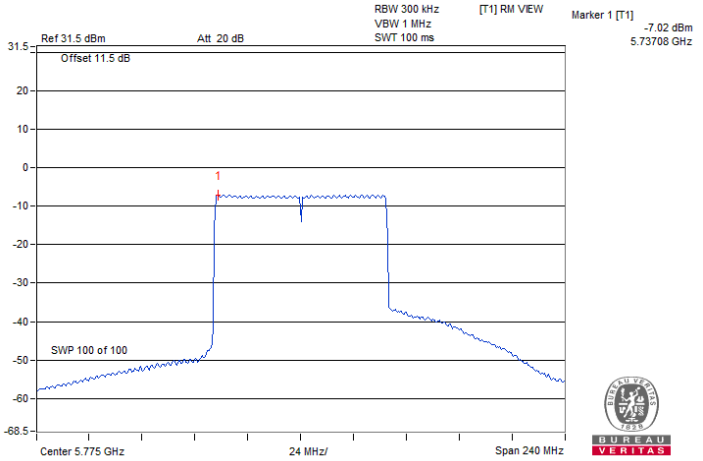
Spectrum Plot of Maximum Value



802.11be (EHT20) / Chain 0 : CH 165



802.11be (EHT40) / Chain 0 : CH 151



802.11be (EHT80) / Chain 0 : CH 155

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Tim Chen

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.20	3.20	0.5	Pass
149	5745	15.67	16.39	0.5	Pass
157	5785	16.44	16.14	0.5	Pass
165	5825	16.44	16.43	0.5	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.55	4.55	0.5	Pass
149	5745	19.03	19.00	0.5	Pass
157	5785	19.04	19.07	0.5	Pass
165	5825	19.02	19.07	0.5	Pass

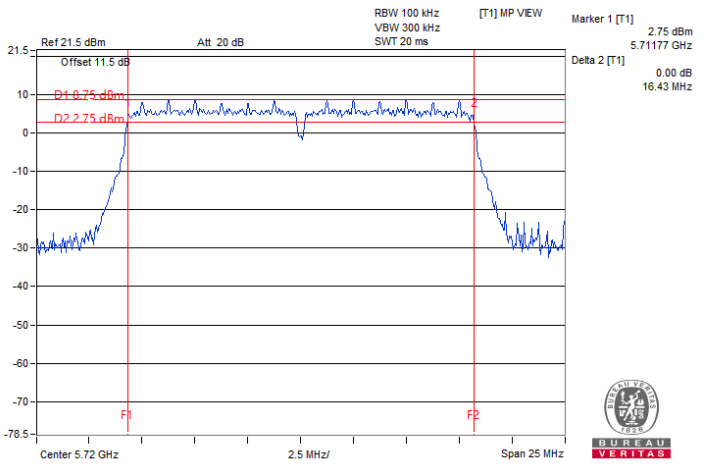
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	4.13	4.12	0.5	Pass
151	5755	38.18	38.16	0.5	Pass
159	5795	38.19	38.23	0.5	Pass

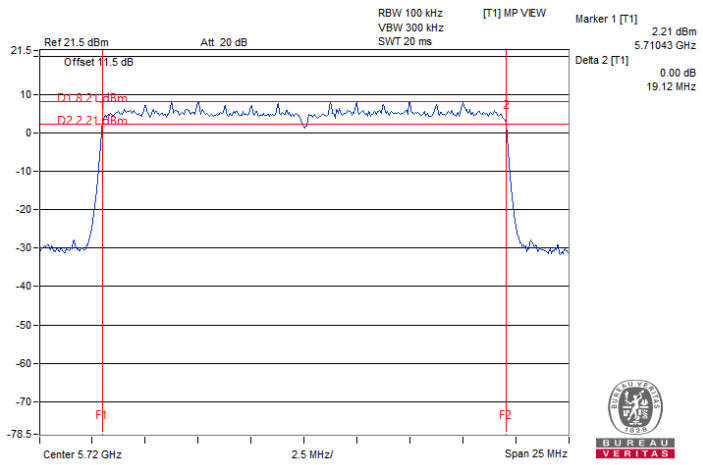
802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	4.19	4.21	0.5	Pass
155	5775	78.19	78.23	0.5	Pass

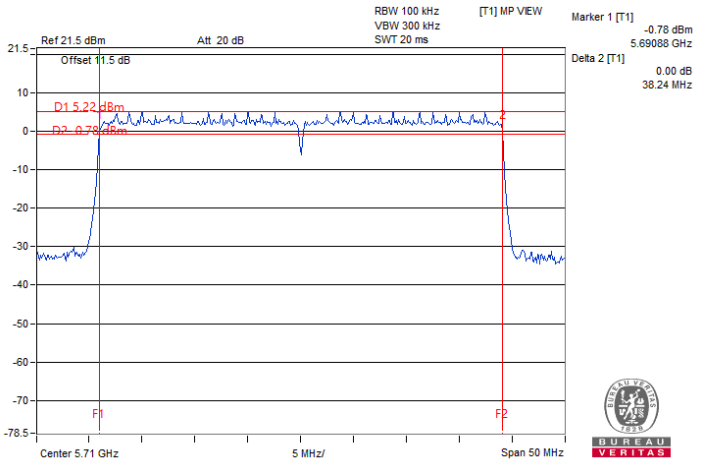
Spectrum Plot of Minimum Value



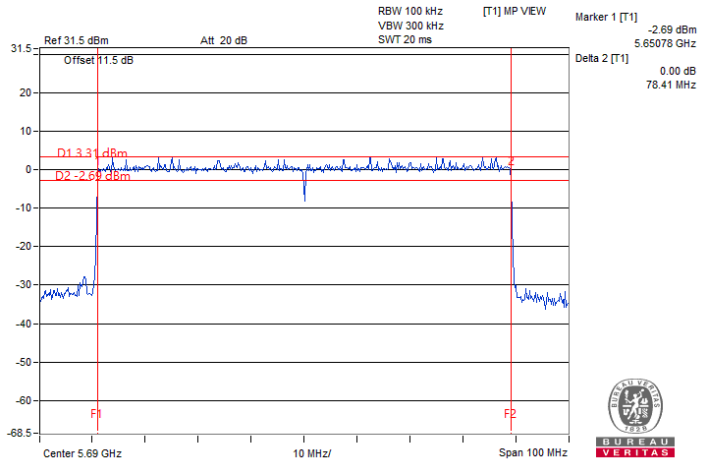
802.11a / Chain 0 : CH 144 (U-NII-3)



802.11be (EHT20) / Chain 0 : CH 144 (U-NII-3)



802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)



802.11be (EHT80) / Chain 0 : CH 138 (U-NII-3)

Note: For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz

7.5 Occupied Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Tim Chen

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.68	16.68
40	5200	17.88	17.88
48	5240	17.28	17.16
52	5260	16.44	16.44
60	5300	16.68	16.68
64	5320	16.68	16.68
100	5500	16.68	16.68
116	5580	16.56	16.44
140	5700	16.68	16.68
144 (U-NII-2C)	5720	13.28	13.28
144 (U-NII-3)	5720	3.16	3.16
149	5745	26.82	26.28
157	5785	34.40	26.52
165	5825	33.80	28.44

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	19.08	19.08
40	5200	19.32	19.08
48	5240	19.56	19.20
52	5260	18.84	18.84
60	5300	18.96	18.96
64	5320	19.08	19.08
100	5500	19.08	19.08
116	5580	18.96	18.84
140	5700	19.08	19.08
144 (U-NII-2C)	5720	14.48	14.48
144 (U-NII-3)	5720	4.48	4.36
149	5745	26.28	24.48
157	5785	25.20	22.20
165	5825	28.32	26.88

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	38.40	38.16
46	5230	38.64	38.64
54	5270	38.16	38.16
62	5310	38.16	38.16
102	5510	38.16	38.40
110	5550	38.16	38.16
134	5670	38.16	38.16
142 (U-NII-2C)	5710	34.20	34.20
142 (U-NII-3)	5710	3.96	3.96
151	5755	39.24	38.64
159	5795	38.88	38.64

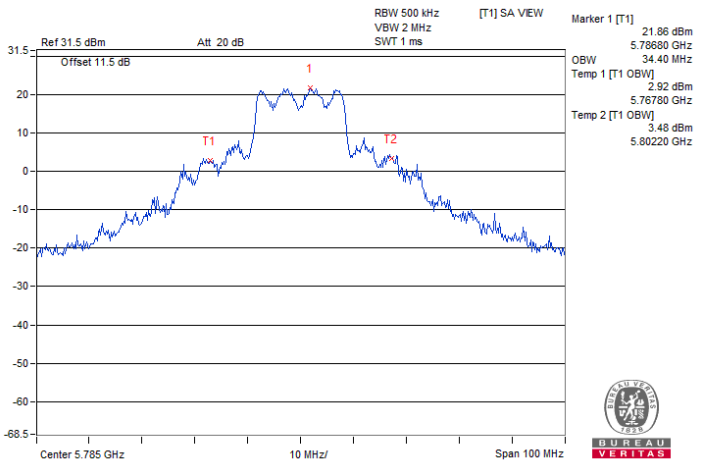
802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.76	77.76
58	5290	77.28	77.28
106	5530	77.76	77.52
122	5610	77.76	77.76
138 (U-NII-2C)	5690	73.88	73.88
138 (U-NII-3)	5690	3.88	3.40
155	5775	77.76	77.76

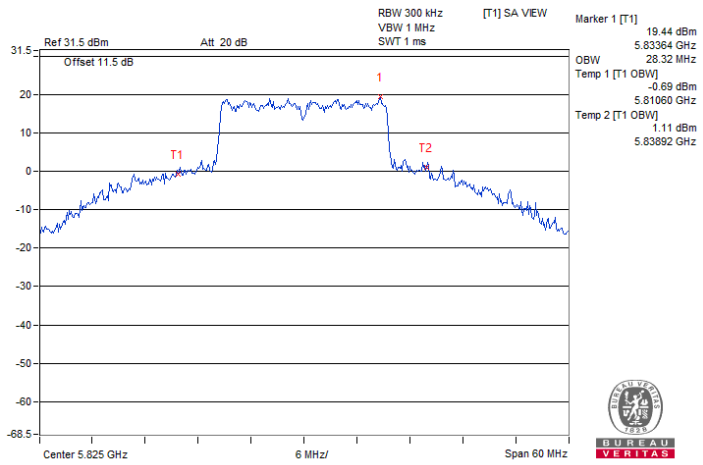
802.11be (EHT160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	78.72	78.72
50 (U-NII-2A)	5250	78.72	78.72
114	5570	156.48	158.40

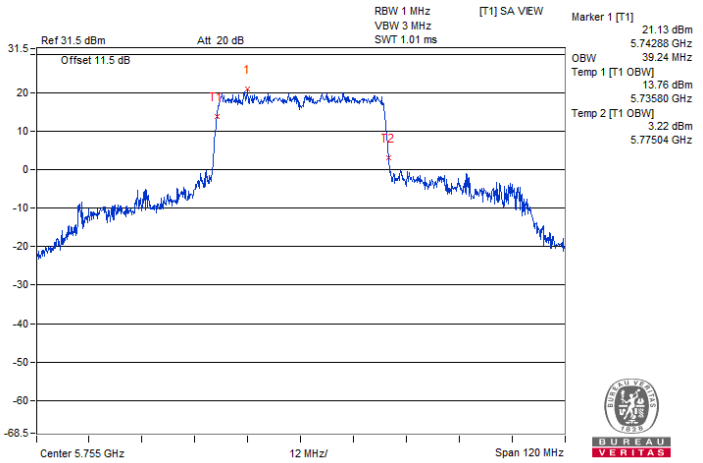
Spectrum Plot of Maximum Value



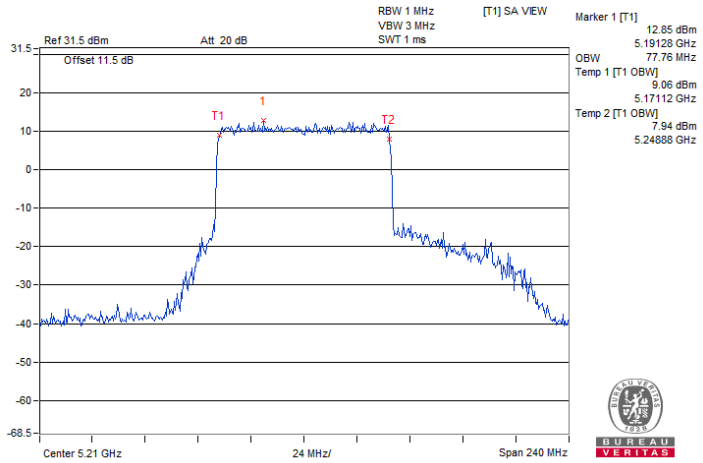
802.11a / Chain 0 : CH 157



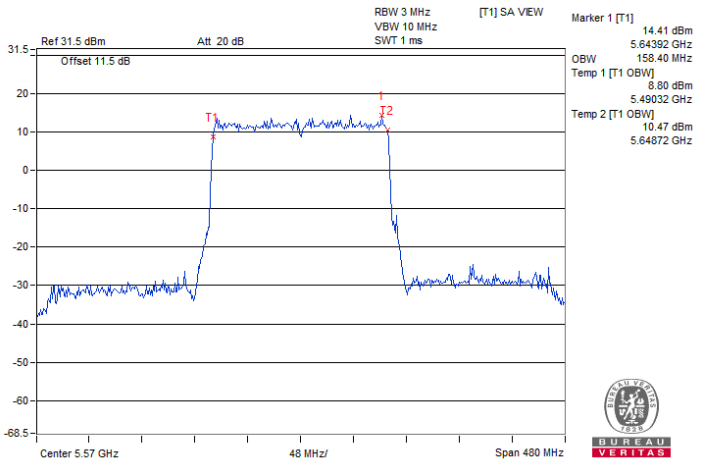
802.11be (EHT20) / Chain 0 : CH 165



802.11be (EHT40) / Chain 0 : CH 151



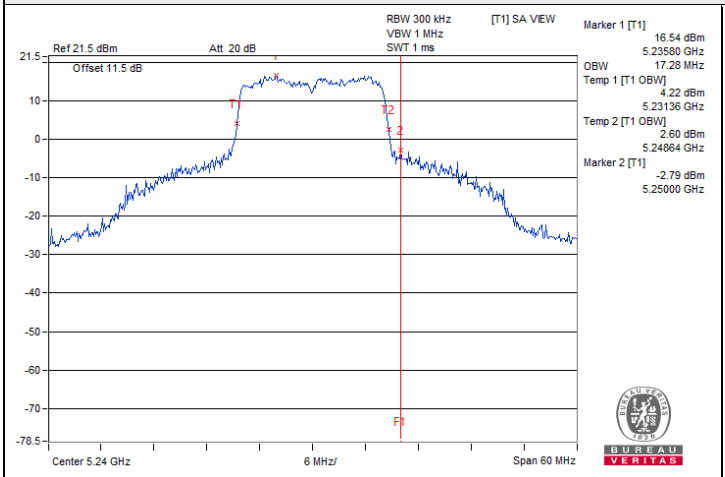
802.11be (EHT80) / Chain 0 : CH 42



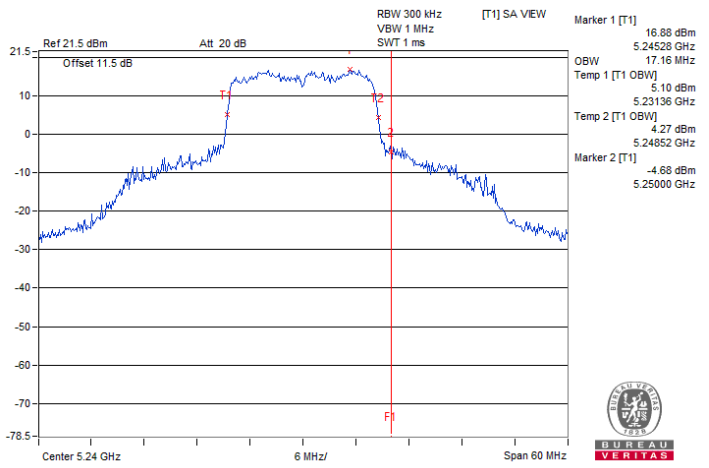
802.11be (EHT160) / Chain 1 : CH 114

Spectrum Plot for nearby DFS band

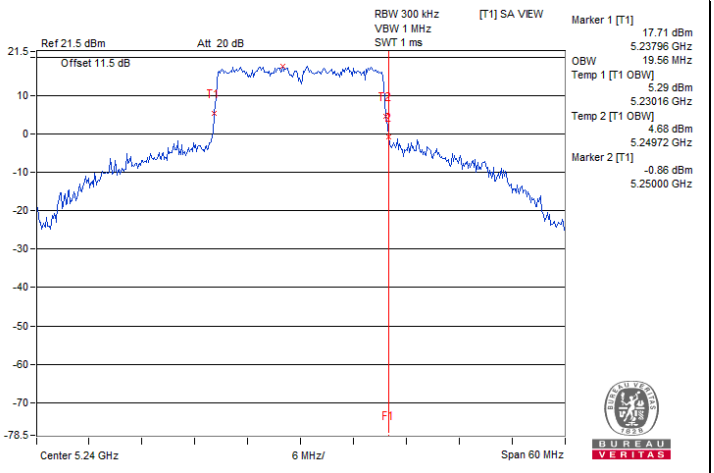
(DFS is required, if 99% OCP straddle into U-NII-2A)



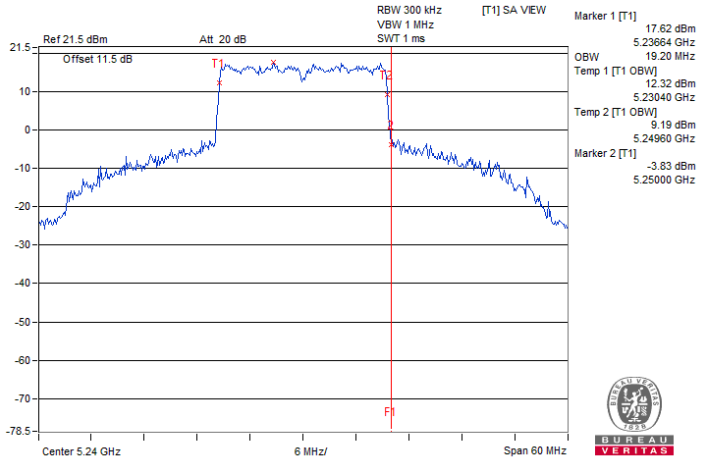
802.11a / Chain 0 : CH 48



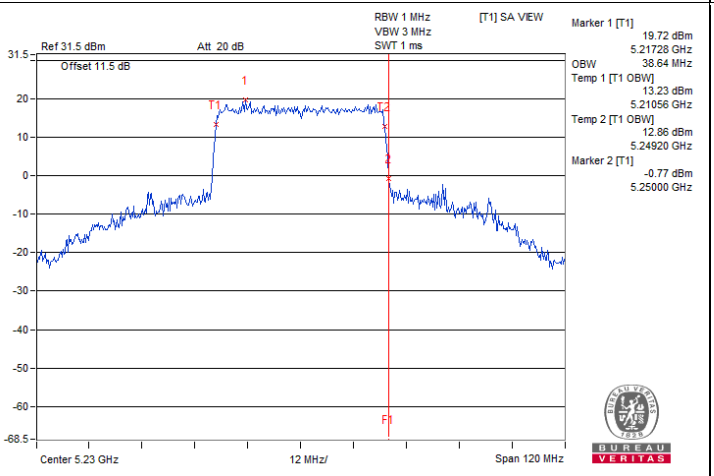
802.11a / Chain 1 : CH 48



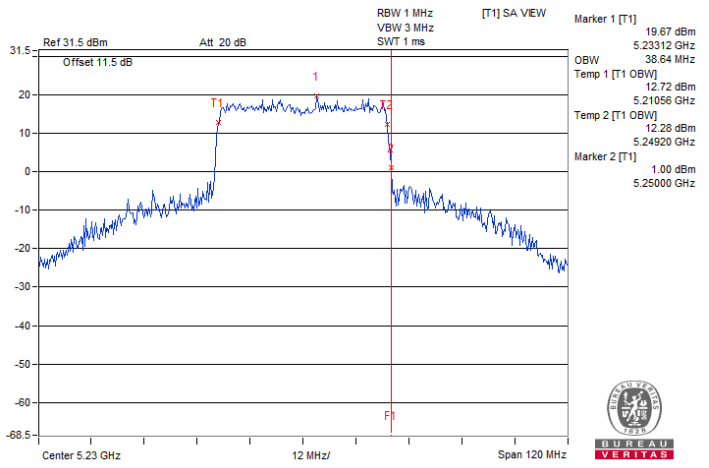
802.11be (EHT20) / Chain 0 : CH 48



802.11be (EHT20) / Chain 1 : CH 48



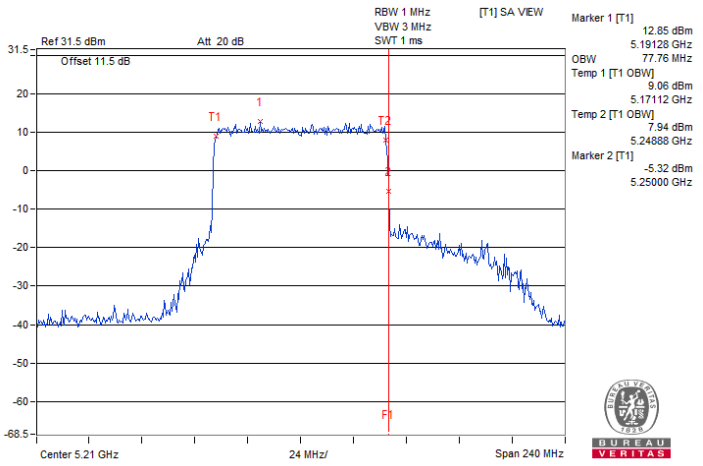
802.11be (EHT40) / Chain 0 : CH 46



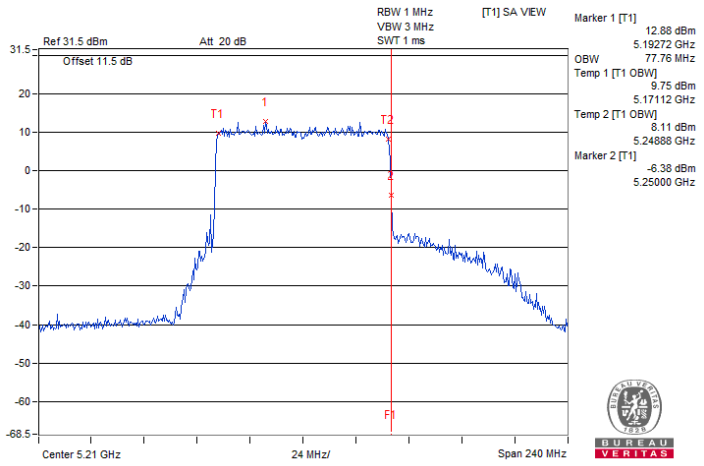
802.11be (EHT40) / Chain 1 : CH 46

Spectrum Plot for nearby DFS band

(DFS is required, if 99% OCP straddle into U-NII-2A)



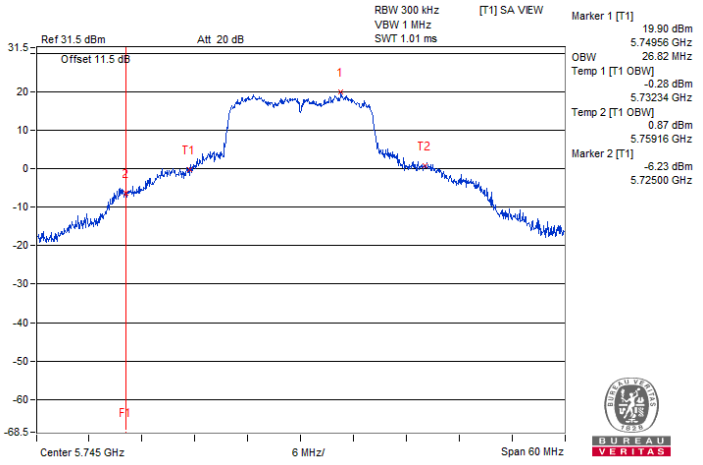
802.11be (EHT80) / Chain 0 : CH 42



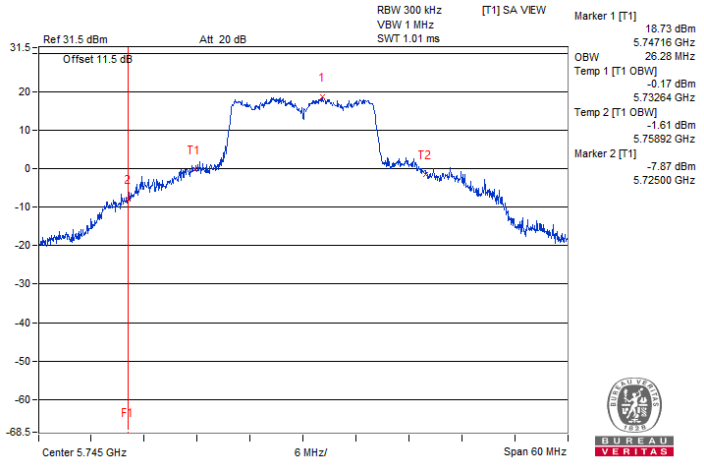
802.11be (EHT80) / Chain 1 : CH 42

Spectrum Plot for nearby DFS band

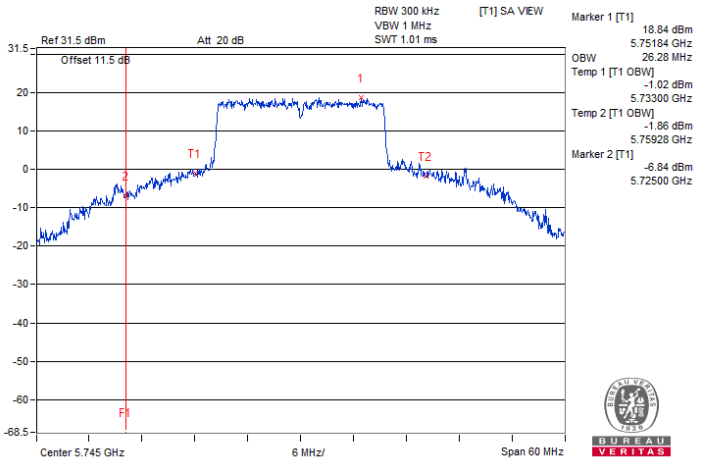
(DFS is required, if 99% OCP straddle into U-NII-2C)



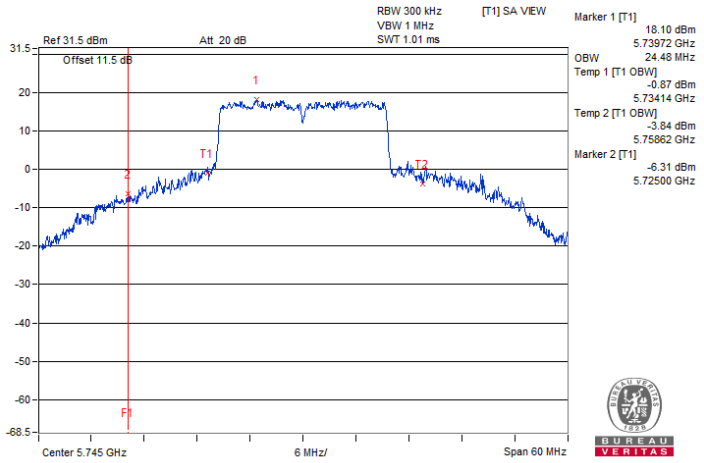
802.11a / Chain 0 : CH 149



802.11a / Chain 1 : CH 149



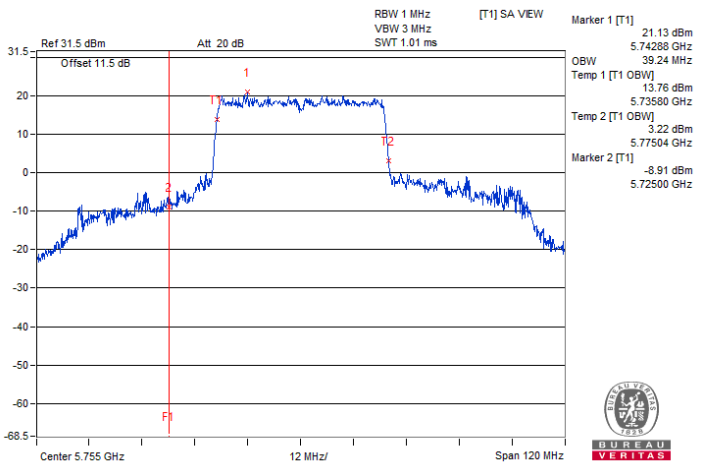
802.11be (EHT20) / Chain 0 : CH 149



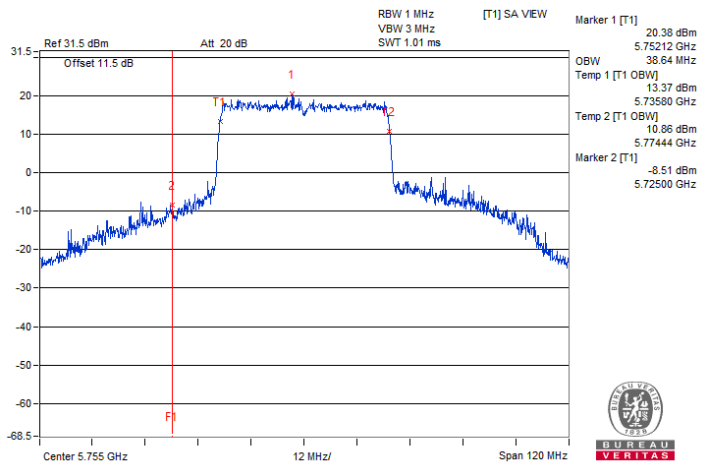
802.11be (EHT20) / Chain 1 : CH 149

Spectrum Plot for nearby DFS band

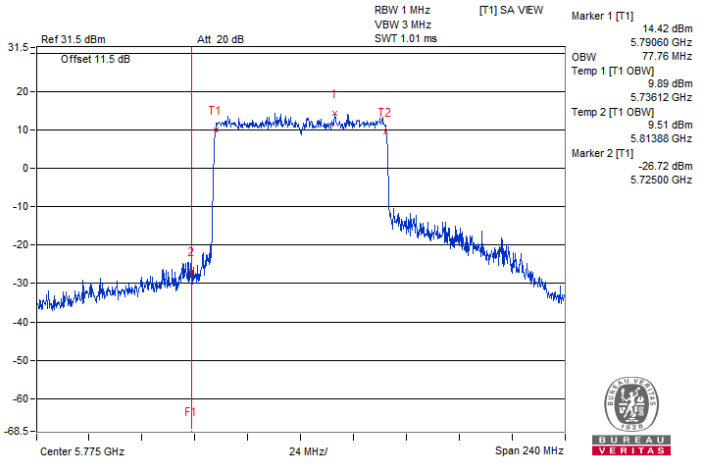
(DFS is required, if 99% OCP straddle into U-NII-2C)



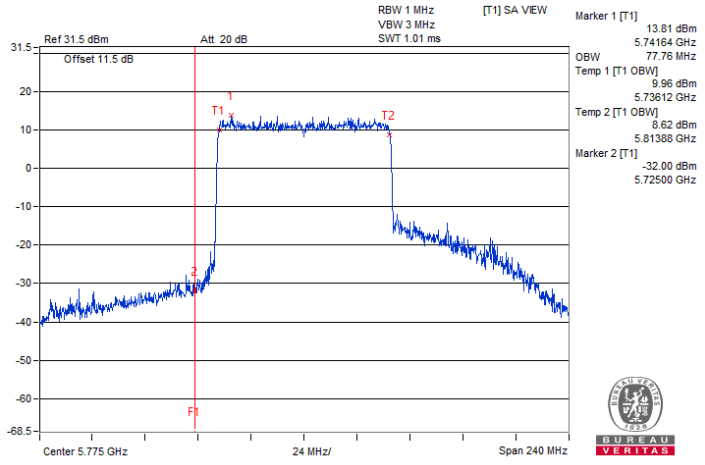
802.11be (EHT40) / Chain 0 : CH 151



802.11be (EHT40) / Chain 1 : CH 151



802.11be (EHT80) / Chain 0 : CH 155



802.11be (EHT80) / Chain 1 : CH 155

7.6 Frequency Stability

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Tim Chen

Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
45	120	5180.0079	Pass	5180.0099	Pass	5180.0118	Pass	5180.0088	Pass
40	120	5179.9765	Pass	5179.9774	Pass	5179.9775	Pass	5179.9773	Pass
30	120	5180.0207	Pass	5180.02	Pass	5180.0208	Pass	5180.0186	Pass
20	120	5179.9965	Pass	5179.9957	Pass	5179.9961	Pass	5179.9963	Pass
10	120	5179.9871	Pass	5179.9834	Pass	5179.9854	Pass	5179.9839	Pass
0	120	5180.0138	Pass	5180.0106	Pass	5180.0135	Pass	5180.0139	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5179.9867	Pass	5179.9888	Pass	5179.9901	Pass	5179.9903	Pass
	120	5179.9965	Pass	5179.9957	Pass	5179.9961	Pass	5179.9963	Pass
	102	5179.9996	Pass	5180.0019	Pass	5180.0018	Pass	5179.9994	Pass

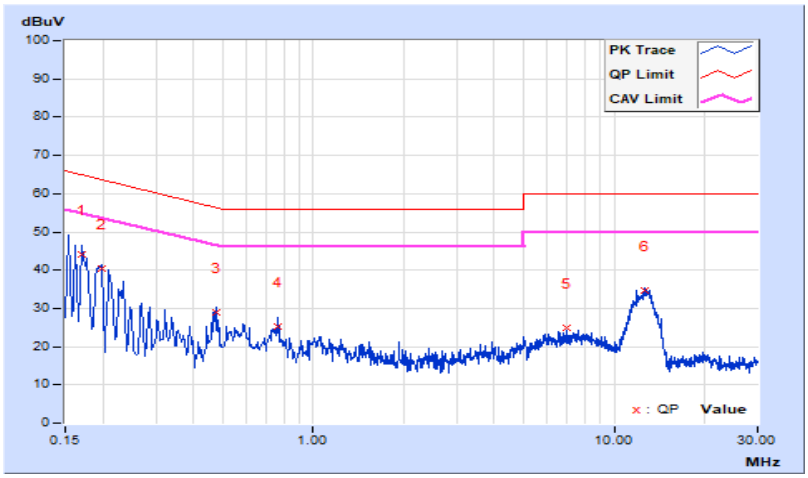
7.7 AC Power Conducted Emissions

RF Mode	802.11a	**Channel**	CH 165：5825 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22°C, 72% RH
Tested By	Vincent Chen		

Phase Of Power : Line (L)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.17000	10.38	33.63	21.72	44.01	32.10	64.96	54.96	-20.95	-22.86
2	0.19780	10.40	30.09	16.79	40.49	27.19	63.70	53.70	-23.21	-26.51
3	0.47800	10.50	18.52	14.41	29.02	24.91	56.37	46.37	-27.35	-21.46
4	0.76600	10.52	14.87	8.33	25.39	18.85	56.00	46.00	-30.61	-27.15
5	6.99800	10.69	14.10	8.60	24.79	19.29	60.00	50.00	-35.21	-30.71
6	12.56600	10.79	23.99	20.33	34.78	31.12	60.00	50.00	-25.22	-18.88

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

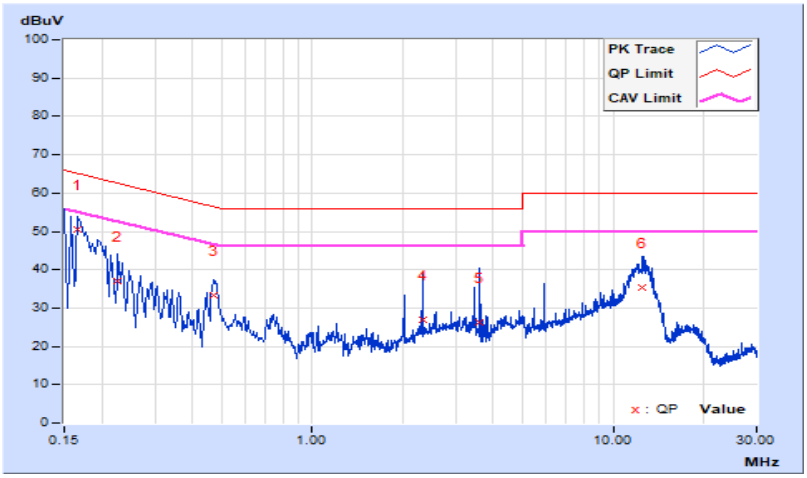


RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Vincent Chen		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.16600**	**10.41**	**40.25**	**21.81**	**50.66**	**32.22**	**65.16**	**55.16**	**-14.50**	**-22.94**
2	0.22600	10.45	26.64	10.55	37.09	21.00	62.60	52.60	-25.51	-31.60
3	0.47000	10.53	22.79	16.39	33.32	26.92	56.51	46.51	-23.19	-19.59
4	2.33000	10.60	16.43	10.59	27.03	21.19	56.00	46.00	-28.97	-24.81
5	3.61400	10.70	15.69	12.07	26.39	22.77	56.00	46.00	-29.61	-23.23
6	12.54600	10.92	24.58	19.08	35.50	30.00	60.00	50.00	-24.50	-20.00

Remarks:

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



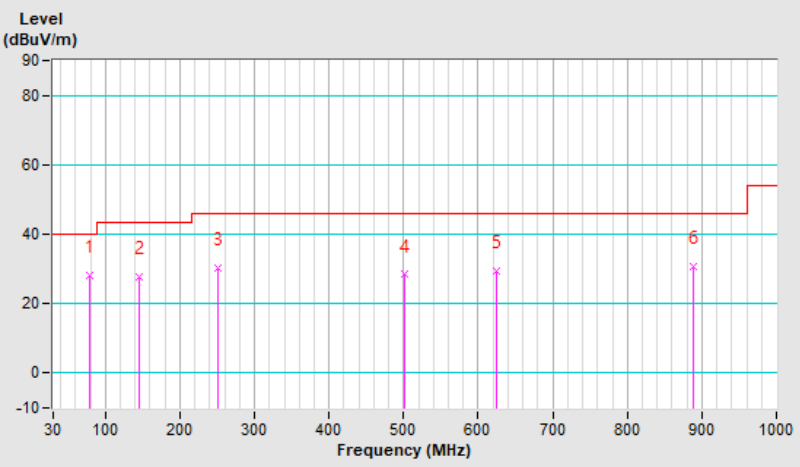
7.8 Unwanted Emissions below 1 GHz

RF Mode	802.11a	**Channel**	CH 165：5825 MHz
Frequency Range	9 kHz ~ 1 GHz	**Detector Function & Bandwidth**	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24°C, 78% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	78.50	28.2 QP	40.0	-11.8	2.00 H	341	45.2	-17.0
2	145.43	27.6 QP	43.5	-15.9	1.00 H	96	40.4	-12.8
3	250.19	30.1 QP	46.0	-15.9	1.50 H	147	43.9	-13.8
4	500.45	28.3 QP	46.0	-17.7	1.00 H	3	35.2	-6.9
5	624.61	29.4 QP	46.0	-16.6	1.00 H	221	33.8	-4.4
6	888.45	30.6 QP	46.0	-15.4	1.50 H	2	31.4	-0.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

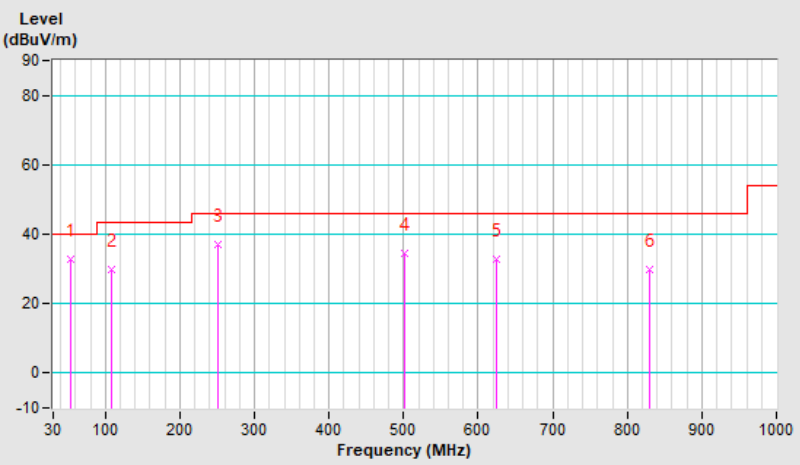


RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 78% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	**53.28**	**32.7 QP**	**40.0**	**-7.3**	**1.50 V**	**19**	**45.2**	**-12.5**
2	108.57	30.0 QP	43.5	-13.5	1.00 V	11	45.6	-15.6
3	250.19	37.1 QP	46.0	-8.9	1.00 V	17	50.9	-13.8
4	500.45	34.5 QP	46.0	-11.5	2.00 V	264	41.4	-6.9
5	624.61	32.7 QP	46.0	-13.3	1.00 V	264	37.1	-4.4
6	830.25	29.8 QP	46.0	-16.2	2.00 V	343	30.7	-0.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.9 Unwanted Emissions above 1 GHz

RF Mode	802.11a	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	66.2 PK	74.0	-7.8	1.51 H	217	62.5	3.7
2	5150.00	48.4 AV	54.0	-5.6	1.51 H	217	44.7	3.7
3	*5180.00	111.2 PK			1.51 H	217	70.1	41.1
4	*5180.00	101.1 AV			1.51 H	217	60.0	41.1
5	#10360.00	58.2 PK	68.2	-10.0	2.73 H	185	46.1	12.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	70.8 PK	74.0	-3.2	1.50 V	207	67.1	3.7
2	5150.00	53.2 AV	54.0	-0.8	1.50 V	207	49.5	3.7
3	*5180.00	118.6 PK			1.50 V	207	77.5	41.1
4	*5180.00	108.9 AV			1.50 V	207	67.8	41.1
5	#10360.00	59.5 PK	68.2	-8.7	2.24 V	179	47.4	12.1

Remarks:

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

RF Mode	802.11a	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.8 PK	74.0	-11.2	1.83 H	280	59.1	3.7
2	5150.00	47.9 AV	54.0	-6.1	1.83 H	280	44.2	3.7
3	*5200.00	115.0 PK			1.83 H	280	74.0	41.0
4	*5200.00	103.8 AV			1.83 H	280	62.8	41.0
5	#10400.00	58.5 PK	68.2	-9.7	2.15 H	139	46.5	12.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	71.5 PK	74.0	-2.5	1.61 V	207	67.8	3.7
2	5150.00	51.9 AV	54.0	-2.1	1.61 V	207	48.2	3.7
3	*5200.00	121.7 PK			1.61 V	207	80.7	41.0
4	*5200.00	111.4 AV			1.61 V	207	70.4	41.0
5	#10400.00	59.2 PK	68.2	-9.0	2.15 V	165	47.2	12.0

Remarks:

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

RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	115.2 PK			2.00 H	359	74.4	40.8
2	*5240.00	104.2 AV			2.00 H	359	63.4	40.8
3	5350.00	58.3 PK	74.0	-15.7	2.00 H	359	55.4	2.9
4	5350.00	45.5 AV	54.0	-8.5	2.00 H	359	42.6	2.9
5	#10480.00	58.6 PK	68.2	-9.6	3.31 H	178	46.3	12.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	120.3 PK			1.67 V	205	79.5	40.8
2	*5240.00	110.4 AV			1.67 V	205	69.6	40.8
3	5350.00	60.6 PK	74.0	-13.4	1.67 V	205	57.7	2.9
4	5350.00	47.1 AV	54.0	-6.9	1.67 V	205	44.2	2.9
5	#10480.00	59.6 PK	68.2	-8.6	2.04 V	197	47.3	12.3

Remarks:

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

RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.0 PK	74.0	-15.0	1.88 H	1	55.3	3.7
2	5150.00	45.9 AV	54.0	-8.1	1.88 H	1	42.2	3.7
3	*5260.00	111.2 PK			1.88 H	1	70.5	40.7
4	*5260.00	100.3 AV			1.88 H	1	59.6	40.7
5	#10520.00	58.9 PK	68.2	-9.3	2.23 H	157	46.5	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.7 PK	74.0	-14.3	1.59 V	207	56.0	3.7
2	5150.00	46.1 AV	54.0	-7.9	1.59 V	207	42.4	3.7
3	*5260.00	115.9 PK			1.59 V	207	75.2	40.7
4	*5260.00	106.2 AV			1.59 V	207	65.5	40.7
5	#10520.00	59.6 PK	68.2	-8.6	2.32 V	186	47.2	12.4

Remarks:

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

RF Mode	802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	108.9 PK			1.92 H	6	68.3	40.6
2	*5300.00	98.1 AV			1.92 H	6	57.5	40.6
3	10600.00	59.9 PK	74.0	-14.1	2.16 H	245	47.5	12.4
4	10600.00	46.7 AV	54.0	-7.3	2.16 H	245	34.3	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	115.4 PK			1.65 V	205	74.8	40.6
2	*5300.00	105.4 AV			1.65 V	205	64.8	40.6
3	10600.00	59.9 PK	74.0	-14.1	2.04 V	192	47.5	12.4
4	10600.00	46.8 AV	54.0	-7.2	2.04 V	192	34.4	12.4

Remarks:

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

RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	109.0 PK			1.77 H	4	68.4	40.6
2	*5320.00	97.9 AV			1.77 H	4	57.3	40.6
3	5350.00	58.8 PK	74.0	-15.2	1.77 H	4	55.9	2.9
4	5350.00	45.1 AV	54.0	-8.9	1.77 H	4	42.2	2.9
5	10640.00	59.5 PK	74.0	-14.5	2.21 H	168	47.1	12.4
6	10640.00	46.5 AV	54.0	-7.5	2.21 H	168	34.1	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	115.3 PK			1.59 V	205	74.7	40.6
2	*5320.00	105.1 AV			1.59 V	205	64.5	40.6
3	5350.00	59.0 PK	74.0	-15.0	1.59 V	205	56.1	2.9
4	5350.00	46.2 AV	54.0	-7.8	1.59 V	205	43.3	2.9
5	10640.00	59.6 PK	74.0	-14.4	2.21 V	165	47.2	12.4
6	10640.00	46.5 AV	54.0	-7.5	2.21 V	165	34.1	12.4

Remarks:

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

RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.6 PK	74.0	-15.4	1.84 H	316	55.3	3.3
2	5460.00	45.6 AV	54.0	-8.4	1.84 H	316	42.3	3.3
3	#5470.00	59.0 PK	68.2	-9.2	1.84 H	316	55.7	3.3
4	*5500.00	111.5 PK			1.84 H	316	70.4	41.1
5	*5500.00	100.5 AV			1.84 H	316	59.4	41.1
6	11000.00	57.7 PK	74.0	-16.3	2.57 H	163	46.2	11.5
7	11000.00	44.6 AV	54.0	-9.4	2.57 H	163	33.1	11.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.0 PK	74.0	-14.0	1.64 V	207	56.7	3.3
2	5460.00	46.1 AV	54.0	-7.9	1.64 V	207	42.8	3.3
3	#5470.00	59.5 PK	68.2	-8.7	1.64 V	207	56.2	3.3
4	*5500.00	116.1 PK			1.64 V	207	75.0	41.1
5	*5500.00	106.3 AV			1.64 V	207	65.2	41.1
6	11000.00	58.9 PK	74.0	-15.1	1.87 V	193	47.4	11.5
7	11000.00	45.5 AV	54.0	-8.5	1.87 V	193	34.0	11.5

Remarks:

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

RF Mode	802.11a	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	110.5 PK			1.88 H	322	69.1	41.4
2	*5580.00	100.0 AV			1.88 H	322	58.6	41.4
3	11160.00	58.5 PK	74.0	-15.5	2.05 H	145	46.8	11.7
4	11160.00	45.1 AV	54.0	-8.9	2.05 H	145	33.4	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	116.5 PK			1.57 V	218	75.1	41.4
2	*5580.00	106.4 AV			1.57 V	218	65.0	41.4
3	11160.00	59.3 PK	74.0	-14.7	2.04 V	147	47.6	11.7
4	11160.00	45.9 AV	54.0	-8.1	2.04 V	147	34.2	11.7

Remarks:

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

RF Mode	802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	108.8 PK			1.62 H	178	67.4	41.4
2	*5700.00	99.0 AV			1.62 H	178	57.6	41.4
3	#5725.00	59.2 PK	68.2	-9.0	1.62 H	178	55.4	3.8
4	11400.00	58.7 PK	74.0	-15.3	2.43 H	297	46.5	12.2
5	11400.00	46.4 AV	54.0	-7.6	2.43 H	297	34.2	12.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	117.6 PK			2.29 V	15	76.2	41.4
2	*5700.00	106.4 AV			2.29 V	15	65.0	41.4
3	#5725.00	61.0 PK	68.2	-7.2	2.29 V	15	57.2	3.8
4	11400.00	59.6 PK	74.0	-14.4	1.72 V	206	47.4	12.2
5	11400.00	47.3 AV	54.0	-6.7	1.72 V	206	35.1	12.2

Remarks:

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

RF Mode	802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	109.5 PK			1.40 H	170	68.0	41.5
2	*5720.00	99.4 AV			1.40 H	170	57.9	41.5
3	#5850.00	59.8 PK	68.2	-8.4	1.40 H	170	55.2	4.6
4	11440.00	58.5 PK	74.0	-15.5	2.78 H	152	46.5	12.0
5	11440.00	46.2 AV	54.0	-7.8	2.78 H	152	34.2	12.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	117.3 PK			1.96 V	16	75.8	41.5
2	*5720.00	106.1 AV			1.96 V	16	64.6	41.5
3	#5850.00	60.4 PK	68.2	-7.8	1.96 V	16	55.8	4.6
4	11440.00	59.3 PK	74.0	-14.7	2.34 V	174	47.3	12.0
5	11440.00	47.3 AV	54.0	-6.7	2.34 V	174	35.3	12.0

Remarks:

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

RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5629.60	60.1 PK	68.2	-8.1	1.48 H	170	56.4	3.7
2	*5745.00	116.3 PK			1.48 H	170	74.7	41.6
3	*5745.00	106.3 AV			1.48 H	170	64.7	41.6
4	#5985.60	60.9 PK	68.2	-7.3	1.48 H	170	56.3	4.6
5	11490.00	58.2 PK	74.0	-15.8	2.24 H	106	46.5	11.7
6	11490.00	46.0 AV	54.0	-8.0	2.24 H	106	34.3	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5620.80	62.4 PK	68.2	-5.8	1.85 V	43	58.7	3.7
2	*5745.00	123.7 PK			1.85 V	43	82.1	41.6
3	*5745.00	113.0 AV			1.85 V	43	71.4	41.6
4	#5998.80	61.3 PK	68.2	-6.9	1.85 V	43	56.8	4.5
5	11490.00	59.6 PK	74.0	-14.4	2.01 V	146	47.9	11.7
6	11490.00	47.2 AV	54.0	-6.8	2.01 V	146	35.5	11.7

Remarks:

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

RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5631.20	59.3 PK	68.2	-8.9	1.55 H	170	55.6	3.7
2	*5785.00	117.6 PK			1.55 H	170	75.9	41.7
3	*5785.00	106.9 AV			1.55 H	170	65.2	41.7
4	#5984.40	60.3 PK	68.2	-7.9	1.55 H	170	55.7	4.6
5	11570.00	58.9 PK	74.0	-15.1	1.57 H	220	47.3	11.6
6	11570.00	47.0 AV	54.0	-7.0	1.57 H	220	35.4	11.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5635.60	63.2 PK	68.2	-5.0	1.72 V	12	59.5	3.7
2	*5785.00	124.3 PK			1.72 V	12	82.6	41.7
3	*5785.00	113.6 AV			1.72 V	12	71.9	41.7
4	#5924.40	63.3 PK	68.6	-5.3	1.72 V	12	58.8	4.5
5	11570.00	60.2 PK	74.0	-13.8	2.54 V	164	48.6	11.6
6	11570.00	48.3 AV	54.0	-5.7	2.54 V	164	36.7	11.6

Remarks:

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

RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5627.20	59.1 PK	68.2	-9.1	1.61 H	176	55.4	3.7
2	*5825.00	119.0 PK			1.61 H	176	77.1	41.9
3	*5825.00	108.2 AV			1.61 H	176	66.3	41.9
4	#5926.40	64.3 PK	68.2	-3.9	1.61 H	176	59.8	4.5
5	11650.00	58.7 PK	74.0	-15.3	3.32 H	257	47.4	11.3
6	11650.00	46.5 AV	54.0	-7.5	3.32 H	257	35.2	11.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5605.60	62.3 PK	68.2	-5.9	1.62 V	14	58.7	3.6
2	*5825.00	124.6 PK			1.62 V	14	82.7	41.9
3	*5825.00	114.1 AV			1.62 V	14	72.2	41.9
4	#5935.60	64.1 PK	68.2	-4.1	1.62 V	14	59.6	4.5
5	11650.00	59.7 PK	74.0	-14.3	2.27 V	195	48.4	11.3
6	11650.00	47.6 AV	54.0	-6.4	2.27 V	195	36.3	11.3

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.1 PK	74.0	-10.9	1.49 H	270	59.4	3.7
2	5150.00	48.9 AV	54.0	-5.1	1.49 H	270	45.2	3.7
3	*5180.00	111.7 PK			1.49 H	270	70.6	41.1
4	*5180.00	99.5 AV			1.49 H	270	58.4	41.1
5	#10360.00	58.2 PK	68.2	-10.0	2.47 H	110	46.1	12.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	69.0 PK	74.0	-5.0	1.87 V	206	65.3	3.7
2	5150.00	53.4 AV	54.0	-0.6	1.87 V	206	49.7	3.7
3	*5180.00	119.1 PK			1.87 V	206	78.0	41.1
4	*5180.00	106.9 AV			1.87 V	206	65.8	41.1
5	#10360.00	59.7 PK	68.2	-8.5	3.41 V	158	47.6	12.1

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.8 PK	74.0	-10.2	1.50 H	276	60.1	3.7
2	5150.00	49.1 AV	54.0	-4.9	1.50 H	276	45.4	3.7
3	*5200.00	114.6 PK			1.50 H	276	73.6	41.0
4	*5200.00	102.5 AV			1.50 H	276	61.5	41.0
5	#10400.00	58.3 PK	68.2	-9.9	2.27 H	193	46.3	12.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	69.6 PK	74.0	-4.4	1.80 V	205	65.9	3.7
2	5150.00	53.6 AV	54.0	-0.4	1.80 V	205	49.9	3.7
3	*5200.00	121.5 PK			1.80 V	205	80.5	41.0
4	*5200.00	109.9 AV			1.80 V	205	68.9	41.0
5	#10400.00	59.3 PK	68.2	-8.9	2.54 V	102	47.3	12.0

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	114.3 PK			1.48 H	274	73.5	40.8
2	*5240.00	102.2 AV			1.48 H	274	61.4	40.8
3	5350.00	58.7 PK	74.0	-15.3	1.48 H	274	55.8	2.9
4	5350.00	45.3 AV	54.0	-8.7	1.48 H	274	42.4	2.9
5	#10480.00	58.8 PK	68.2	-9.4	2.29 H	173	46.5	12.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	122.3 PK			1.68 V	210	81.5	40.8
2	*5240.00	110.0 AV			1.68 V	210	69.2	40.8
3	5350.00	60.2 PK	74.0	-13.8	1.68 V	210	57.3	2.9
4	5350.00	47.5 AV	54.0	-6.5	1.68 V	210	44.6	2.9
5	#10480.00	59.7 PK	68.2	-8.5	2.62 V	114	47.4	12.3

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.4 PK	74.0	-14.6	2.11 H	0	55.7	3.7
2	5150.00	46.0 AV	54.0	-8.0	2.11 H	0	42.3	3.7
3	*5260.00	113.0 PK			2.11 H	0	72.3	40.7
4	*5260.00	99.8 AV			2.11 H	0	59.1	40.7
5	#10520.00	58.6 PK	68.2	-9.6	2.41 H	176	46.2	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	48.9 PK	74.0	-25.1	1.68 V	216	45.2	3.7
2	5150.00	37.6 AV	54.0	-16.4	1.68 V	216	33.9	3.7
3	*5260.00	117.9 PK			1.68 V	216	77.2	40.7
4	*5260.00	105.6 AV			1.68 V	216	64.9	40.7
5	#10520.00	59.7 PK	68.2	-8.5	2.41 V	197	47.3	12.4

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	111.1 PK			1.21 H	166	70.5	40.6
2	*5300.00	98.8 AV			1.21 H	166	58.2	40.6
3	10600.00	58.7 PK	74.0	-15.3	2.57 H	119	46.3	12.4
4	10600.00	45.7 AV	54.0	-8.3	2.57 H	119	33.3	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	116.9 PK			1.74 V	216	76.3	40.6
2	*5300.00	104.8 AV			1.74 V	216	64.2	40.6
3	10600.00	59.6 PK	74.0	-14.4	2.41 V	178	47.2	12.4
4	10600.00	46.7 AV	54.0	-7.3	2.41 V	178	34.3	12.4

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	110.7 PK			1.41 H	170	70.1	40.6
2	*5320.00	98.8 AV			1.41 H	170	58.2	40.6
3	5350.00	59.4 PK	74.0	-14.6	1.41 H	170	56.5	2.9
4	5350.00	45.8 AV	54.0	-8.2	1.41 H	170	42.9	2.9
5	10640.00	58.7 PK	74.0	-15.3	1.93 H	247	46.3	12.4
6	10640.00	45.9 AV	54.0	-8.1	1.93 H	247	33.5	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	117.5 PK			1.48 V	217	76.9	40.6
2	*5320.00	105.2 AV			1.48 V	217	64.6	40.6
3	5350.00	61.7 PK	74.0	-12.3	1.48 V	217	58.8	2.9
4	5350.00	48.4 AV	54.0	-5.6	1.48 V	217	45.5	2.9
5	10640.00	59.8 PK	74.0	-14.2	3.14 V	112	47.4	12.4
6	10640.00	46.5 AV	54.0	-7.5	3.14 V	112	34.1	12.4

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.7 PK	74.0	-15.3	1.27 H	168	55.4	3.3
2	5460.00	45.8 AV	54.0	-8.2	1.27 H	168	42.5	3.3
3	#5470.00	59.1 PK	68.2	-9.1	1.27 H	168	55.8	3.3
4	*5500.00	113.0 PK			1.27 H	168	71.9	41.1
5	*5500.00	99.7 AV			1.27 H	168	58.6	41.1
6	11000.00	57.9 PK	74.0	-16.1	2.08 H	265	46.4	11.5
7	11000.00	45.0 AV	54.0	-9.0	2.08 H	265	33.5	11.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.8 PK	74.0	-13.2	1.63 V	214	57.5	3.3
2	5460.00	47.1 AV	54.0	-6.9	1.63 V	214	43.8	3.3
3	#5470.00	63.2 PK	68.2	-5.0	1.63 V	214	59.9	3.3
4	*5500.00	118.9 PK			1.63 V	214	77.8	41.1
5	*5500.00	106.3 AV			1.63 V	214	65.2	41.1
6	11000.00	58.9 PK	74.0	-15.1	2.43 V	125	47.4	11.5
7	11000.00	46.7 AV	54.0	-7.3	2.43 V	125	35.2	11.5

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	112.4 PK			1.02 H	162	71.0	41.4
2	*5580.00	97.8 AV			1.02 H	162	56.4	41.4
3	11160.00	58.6 PK	74.0	-15.4	1.92 H	158	46.9	11.7
4	11160.00	45.7 AV	54.0	-8.3	1.92 H	158	34.0	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	117.3 PK			1.00 V	175	75.9	41.4
2	*5580.00	103.2 AV			1.00 V	175	61.8	41.4
3	11160.00	59.5 PK	74.0	-14.5	2.10 V	158	47.8	11.7
4	11160.00	46.3 AV	54.0	-7.7	2.10 V	158	34.6	11.7

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.2 PK			1.36 H	169	68.8	41.4
2	*5700.00	97.9 AV			1.36 H	169	56.5	41.4
3	#5725.00	60.5 PK	68.2	-7.7	1.36 H	168	56.7	3.8
4	11400.00	58.6 PK	74.0	-15.4	2.54 H	189	46.4	12.2
5	11400.00	46.4 AV	54.0	-7.6	2.54 H	189	34.2	12.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	118.8 PK			1.86 V	17	77.4	41.4
2	*5700.00	106.1 AV			1.86 V	17	64.7	41.4
3	#5725.00	66.2 PK	68.2	-2.0	1.86 V	17	62.4	3.8
4	11400.00	59.7 PK	74.0	-14.3	2.52 V	198	47.5	12.2
5	11400.00	47.4 AV	54.0	-6.6	2.52 V	198	35.2	12.2

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	109.7 PK			1.52 H	184	68.2	41.5
2	*5720.00	97.6 AV			1.52 H	184	56.1	41.5
3	#5850.00	60.0 PK	68.2	-8.2	1.52 H	184	55.4	4.6
4	11440.00	58.5 PK	74.0	-15.5	2.42 H	130	46.5	12.0
5	11440.00	46.2 AV	54.0	-7.8	2.42 H	130	34.2	12.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	118.0 PK			1.94 V	26	76.5	41.5
2	*5720.00	105.8 AV			1.94 V	26	64.3	41.5
3	#5850.00	60.7 PK	68.2	-7.5	1.94 V	26	56.1	4.6
4	11440.00	59.4 PK	74.0	-14.6	2.35 V	178	47.4	12.0
5	11440.00	47.4 AV	54.0	-6.6	2.35 V	178	35.4	12.0

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5616.00	59.7 PK	68.2	-8.5	1.00 H	167	56.0	3.7
2	*5745.00	117.5 PK			1.00 H	167	75.9	41.6
3	*5745.00	105.1 AV			1.00 H	167	63.5	41.6
4	#5938.40	59.2 PK	68.2	-9.0	1.00 H	167	54.7	4.5
5	11490.00	58.2 PK	74.0	-15.8	2.14 H	268	46.5	11.7
6	11490.00	46.1 AV	54.0	-7.9	2.14 H	268	34.4	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.40	61.4 PK	68.2	-6.8	1.58 V	10	57.7	3.7
2	*5745.00	123.6 PK			1.58 V	10	82.0	41.6
3	*5745.00	111.2 AV			1.58 V	10	69.6	41.6
4	#5946.00	61.1 PK	68.2	-7.1	1.58 V	10	56.5	4.6
5	11490.00	59.3 PK	74.0	-14.7	2.34 V	188	47.6	11.7
6	11490.00	46.9 AV	54.0	-7.1	2.34 V	188	35.2	11.7

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5639.20	58.8 PK	68.2	-9.4	1.51 H	172	55.0	3.8
2	*5785.00	115.4 PK			1.51 H	172	73.7	41.7
3	*5785.00	104.0 AV			1.51 H	172	62.3	41.7
4	#5990.80	60.7 PK	68.2	-7.5	1.51 H	172	56.2	4.5
5	11570.00	58.8 PK	74.0	-15.2	2.54 H	305	47.2	11.6
6	11570.00	46.8 AV	54.0	-7.2	2.54 H	305	35.2	11.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5632.40	63.3 PK	68.2	-4.9	1.48 V	9	59.6	3.7
2	*5785.00	123.6 PK			1.48 V	9	81.9	41.7
3	*5785.00	111.7 AV			1.48 V	9	70.0	41.7
4	#5988.80	61.8 PK	68.2	-6.4	1.49 V	9	57.2	4.6
5	11570.00	60.1 PK	74.0	-13.9	2.34 V	128	48.5	11.6
6	11570.00	48.1 AV	54.0	-5.9	2.34 V	128	36.5	11.6

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5614.00	59.5 PK	68.2	-8.7	1.73 H	181	55.8	3.7
2	*5825.00	117.7 PK			1.73 H	181	75.8	41.9
3	*5825.00	106.0 AV			1.73 H	181	64.1	41.9
4	#5955.60	60.4 PK	68.2	-7.8	1.73 H	181	55.8	4.6
5	11650.00	58.6 PK	74.0	-15.4	3.25 H	174	47.3	11.3
6	11650.00	46.5 AV	54.0	-7.5	3.25 H	174	35.2	11.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5620.40	61.9 PK	68.2	-6.3	1.63 V	10	58.2	3.7
2	*5825.00	123.8 PK			1.63 V	10	81.9	41.9
3	*5825.00	112.2 AV			1.63 V	10	70.3	41.9
4	#5941.20	62.8 PK	68.2	-5.4	1.63 V	10	58.2	4.6
5	11650.00	59.8 PK	74.0	-14.2	2.06 V	115	48.5	11.3
6	11650.00	47.8 AV	54.0	-6.2	2.06 V	115	36.5	11.3

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.6 PK	74.0	-14.4	1.56 H	218	55.9	3.7
2	5150.00	47.4 AV	54.0	-6.6	1.56 H	218	43.7	3.7
3	*5190.00	107.5 PK			1.56 H	218	66.5	41.0
4	*5190.00	94.6 AV			1.56 H	218	53.6	41.0
5	#10380.00	58.5 PK	68.2	-9.7	2.41 H	97	46.5	12.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.5 PK	74.0	-7.5	1.61 V	207	62.8	3.7
2	5150.00	53.5 AV	54.0	-0.5	1.61 V	207	49.8	3.7
3	*5190.00	116.4 PK			1.61 V	207	75.4	41.0
4	*5190.00	103.2 AV			1.61 V	207	62.2	41.0
5	#10380.00	59.3 PK	68.2	-8.9	2.34 V	156	47.3	12.0

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.3 PK	74.0	-11.7	1.93 H	329	58.6	3.7
2	5150.00	46.7 AV	54.0	-7.3	1.93 H	329	43.0	3.7
3	*5230.00	112.3 PK			1.93 H	329	71.5	40.8
4	*5230.00	99.7 AV			1.93 H	329	58.9	40.8
5	5350.00	61.4 PK	74.0	-12.6	1.93 H	329	58.5	2.9
6	5350.00	46.0 AV	54.0	-8.0	1.93 H	329	43.1	2.9
7	#10460.00	58.4 PK	68.2	-9.8	1.25 H	267	46.2	12.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	69.2 PK	74.0	-4.8	1.76 V	212	65.5	3.7
2	5150.00	53.3 AV	54.0	-0.7	1.76 V	212	49.6	3.7
3	*5230.00	118.2 PK			1.76 V	212	77.4	40.8
4	*5230.00	105.6 AV			1.76 V	212	64.8	40.8
5	5350.00	62.0 PK	74.0	-12.0	1.76 V	212	59.1	2.9
6	5350.00	47.1 AV	54.0	-6.9	1.76 V	212	44.2	2.9
7	#10460.00	59.8 PK	68.2	-8.4	2.52 V	143	47.6	12.2

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.2 PK	74.0	-14.8	2.02 H	300	55.5	3.7
2	5150.00	46.4 AV	54.0	-7.6	2.02 H	300	42.7	3.7
3	*5270.00	110.1 PK			2.02 H	330	69.4	40.7
4	*5270.00	97.5 AV			2.02 H	330	56.8	40.7
5	#10540.00	58.5 PK	68.2	-9.7	2.24 H	189	46.1	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.2 PK	74.0	-13.8	1.65 V	158	56.5	3.7
2	5150.00	47.3 AV	54.0	-6.7	1.65 V	158	43.6	3.7
3	*5270.00	115.2 PK			1.65 V	158	74.5	40.7
4	*5270.00	102.3 AV			1.65 V	158	61.6	40.7
5	#10540.00	59.6 PK	68.2	-8.6	2.25 V	310	47.2	12.4

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	109.0 PK			1.47 H	169	68.4	40.6
2	*5310.00	96.6 AV			1.47 H	169	56.0	40.6
3	5350.00	61.4 PK	74.0	-12.6	1.47 H	169	58.5	2.9
4	5350.00	48.3 AV	54.0	-5.7	1.47 H	169	45.4	2.9
5	11620.00	57.9 PK	74.0	-16.1	2.24 H	196	46.4	11.5
6	11620.00	45.0 AV	54.0	-9.0	2.24 H	196	33.5	11.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	115.9 PK			1.63 V	212	75.3	40.6
2	*5310.00	103.0 AV			1.63 V	212	62.4	40.6
3	5350.00	67.3 PK	74.0	-6.7	1.63 V	212	64.4	2.9
4	5350.00	52.4 AV	54.0	-1.6	1.63 V	212	49.5	2.9
5	10620.00	59.8 PK	74.0	-14.2	2.25 V	130	47.5	12.3
6	10620.00	46.6 AV	54.0	-7.4	2.25 V	130	34.3	12.3

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.7 PK	74.0	-15.3	1.28 H	168	55.4	3.3
2	5460.00	46.4 AV	54.0	-7.6	1.28 H	168	43.1	3.3
3	#5470.00	61.9 PK	68.2	-6.3	1.28 H	168	58.6	3.3
4	*5510.00	109.7 PK			1.28 H	168	68.6	41.1
5	*5510.00	97.3 AV			1.28 H	168	56.2	41.1
6	11020.00	57.8 PK	74.0	-16.2	2.54 H	269	46.2	11.6
7	11020.00	45.8 AV	54.0	-8.2	2.54 H	269	34.2	11.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.3 PK	74.0	-11.7	1.69 V	216	59.0	3.3
2	5460.00	48.6 AV	54.0	-5.4	1.69 V	216	45.3	3.3
3	#5470.00	67.7 PK	68.2	-0.5	1.69 V	216	64.4	3.3
4	*5510.00	116.0 PK			1.69 V	216	74.9	41.1
5	*5510.00	103.6 AV			1.69 V	216	62.5	41.1
6	11020.00	59.0 PK	74.0	-15.0	2.35 V	145	47.4	11.6
7	11020.00	46.9 AV	54.0	-7.1	2.35 V	145	35.3	11.6

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	110.0 PK			1.11 H	168	68.7	41.3
2	*5550.00	97.6 AV			1.11 H	168	56.3	41.3
3	11100.00	58.0 PK	74.0	-16.0	2.08 H	257	46.2	11.8
4	11100.00	46.1 AV	54.0	-7.9	2.08 H	257	34.3	11.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	116.3 PK			1.68 V	215	75.0	41.3
2	*5550.00	103.8 AV			1.68 V	215	62.5	41.3
3	11100.00	59.0 PK	74.0	-15.0	2.04 V	152	47.2	11.8
4	11100.00	47.2 AV	54.0	-6.8	2.04 V	152	35.4	11.8

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	108.0 PK			1.40 H	169	66.6	41.4
2	*5670.00	95.3 AV			1.40 H	169	53.9	41.4
3	#5725.00	60.7 PK	68.2	-7.5	1.40 H	169	56.9	3.8
4	11340.00	58.5 PK	74.0	-15.5	2.54 H	102	46.3	12.2
5	11340.00	45.4 AV	54.0	-8.6	2.54 H	102	33.2	12.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	116.7 PK			2.34 V	15	75.3	41.4
2	*5670.00	103.8 AV			2.34 V	15	62.4	41.4
3	#5725.00	64.6 PK	68.2	-3.6	2.34 V	15	60.8	3.8
4	11340.00	59.7 PK	74.0	-14.3	1.65 V	208	47.5	12.2
5	11340.00	46.5 AV	54.0	-7.5	1.65 V	208	34.3	12.2

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 142：5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5710.00	108.2 PK			1.52 H	183	66.8	41.4
2	*5710.00	95.3 AV			1.52 H	183	53.9	41.4
3	#5850.00	59.8 PK	68.2	-8.4	1.52 H	183	55.2	4.6
4	11420.00	58.4 PK	74.0	-15.6	2.57 H	113	46.3	12.1
5	11420.00	46.5 AV	54.0	-7.5	2.57 H	113	34.4	12.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5710.00	115.2 PK			1.88 V	6	73.8	41.4
2	*5710.00	102.4 AV			1.88 V	6	61.0	41.4
3	#5850.00	61.0 PK	68.2	-7.2	1.88 V	6	56.4	4.6
4	11420.00	59.5 PK	74.0	-14.5	2.58 V	169	47.4	12.1
5	11420.00	46.6 AV	54.0	-7.4	2.58 V	169	34.5	12.1

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5627.60	59.3 PK	68.2	-8.9	1.48 H	184	55.6	3.7
2	*5755.00	111.5 PK			1.48 H	184	69.9	41.6
3	*5755.00	99.1 AV			1.48 H	184	57.5	41.6
4	#5979.60	59.3 PK	68.2	-8.9	1.48 H	184	54.7	4.6
5	11510.00	57.9 PK	74.0	-16.1	2.04 H	157	46.3	11.6
6	11510.00	46.0 AV	54.0	-8.0	2.04 H	157	34.4	11.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.40	63.0 PK	68.2	-5.2	1.65 V	8	59.3	3.7
2	*5755.00	118.3 PK			1.65 V	8	76.7	41.6
3	*5755.00	106.5 AV			1.65 V	8	64.9	41.6
4	#5976.80	61.0 PK	68.2	-7.2	1.65 V	8	56.4	4.6
5	11510.00	59.0 PK	74.0	-15.0	2.38 V	114	47.4	11.6
6	11510.00	45.8 AV	54.0	-8.2	2.38 V	114	34.2	11.6

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.00	60.5 PK	68.2	-7.7	1.83 H	178	56.8	3.7
2	*5795.00	112.8 PK			1.83 H	178	71.0	41.8
3	*5795.00	100.6 AV			1.83 H	178	58.8	41.8
4	#5928.40	63.2 PK	68.2	-5.0	1.83 H	178	58.7	4.5
5	11590.00	57.7 PK	74.0	-16.3	2.04 H	153	46.2	11.5
6	11590.00	45.7 AV	54.0	-8.3	2.04 H	153	34.2	11.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5621.20	60.7 PK	68.2	-7.5	1.67 V	5	57.0	3.7
2	*5795.00	119.6 PK			1.67 V	5	77.8	41.8
3	*5795.00	106.8 AV			1.67 V	5	65.0	41.8
4	#5933.60	66.1 PK	68.2	-2.1	1.67 V	5	61.6	4.5
5	11590.00	58.8 PK	74.0	-15.2	2.34 V	158	47.3	11.5
6	11590.00	46.9 AV	54.0	-7.1	2.34 V	158	35.4	11.5

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.9 PK	74.0	-14.1	1.73 H	3	56.2	3.7
2	5150.00	47.6 AV	54.0	-6.4	1.73 H	3	43.9	3.7
3	*5210.00	105.2 PK			1.73 H	3	64.3	40.9
4	*5210.00	94.5 AV			1.73 H	3	53.6	40.9
5	#10420.00	58.5 PK	68.2	-9.7	1.98 H	235	46.5	12.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.6 PK	74.0	-7.4	1.69 V	212	62.9	3.7
2	5150.00	53.4 AV	54.0	-0.6	1.69 V	212	49.7	3.7
3	*5210.00	113.6 PK			1.69 V	212	72.7	40.9
4	*5210.00	100.8 AV			1.69 V	212	59.9	40.9
5	#10420.00	59.2 PK	68.2	-9.0	2.42 V	197	47.2	12.0

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	104.8 PK			1.46 H	169	64.2	40.6
2	*5290.00	93.1 AV			1.46 H	169	52.5	40.6
3	5350.00	61.7 PK	74.0	-12.3	1.46 H	149	58.8	2.9
4	5350.00	48.4 AV	54.0	-5.6	1.46 H	149	45.5	2.9
5	#10580.00	59.7 PK	68.2	-8.5	1.74 H	226	47.3	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	112.1 PK			1.70 V	213	71.5	40.6
2	*5290.00	99.3 AV			1.70 V	213	58.7	40.6
3	5350.00	65.4 PK	74.0	-8.6	1.70 V	213	62.5	2.9
4	5350.00	53.3 AV	54.0	-0.7	1.70 V	213	50.4	2.9
5	#10580.00	59.9 PK	68.2	-8.3	2.73 V	114	47.5	12.4

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.2 PK	74.0	-10.8	1.32 H	166	59.9	3.3
2	5460.00	48.5 AV	54.0	-5.5	1.32 H	166	45.2	3.3
3	#5470.00	63.3 PK	68.2	-4.9	1.32 H	166	60.0	3.3
4	*5530.00	107.7 PK			1.32 H	166	66.5	41.2
5	*5530.00	95.2 AV			1.32 H	166	54.0	41.2
6	11060.00	59.1 PK	74.0	-14.9	2.52 H	104	47.4	11.7
7	11060.00	45.9 AV	54.0	-8.1	2.52 H	104	34.2	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	67.0 PK	74.0	-7.0	1.81 V	214	63.7	3.3
2	5460.00	52.7 AV	54.0	-1.3	1.81 V	214	49.4	3.3
3	#5470.00	67.4 PK	68.2	-0.8	1.81 V	214	64.1	3.3
4	*5530.00	113.6 PK			1.81 V	214	72.4	41.2
5	*5530.00	101.4 AV			1.81 V	214	60.2	41.2
6	11060.00	59.1 PK	74.0	-14.9	2.46 V	187	47.4	11.7
7	11060.00	45.9 AV	54.0	-8.1	2.46 V	187	34.2	11.7

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	106.7 PK			1.09 H	161	65.2	41.5
2	*5610.00	94.6 AV			1.09 H	161	53.1	41.5
3	#5725.00	63.9 PK	68.2	-4.3	1.09 H	161	60.1	3.8
4	11220.00	58.1 PK	74.0	-15.9	2.41 H	105	46.3	11.8
5	11220.00	45.2 AV	54.0	-8.8	2.41 H	105	33.4	11.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	114.2 PK			1.75 V	212	72.7	41.5
2	*5610.00	100.8 AV			1.75 V	212	59.3	41.5
3	#5725.00	67.7 PK	68.2	-0.5	1.75 V	212	63.9	3.8
4	11220.00	59.0 PK	74.0	-15.0	2.53 V	145	47.2	11.8
5	11220.00	45.9 AV	54.0	-8.1	2.53 V	145	34.1	11.8

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5690.00	104.3 PK			1.52 H	183	62.9	41.4
2	*5690.00	92.4 AV			1.52 H	183	51.0	41.4
3	#5850.00	61.3 PK	68.2	-6.9	1.52 H	183	56.7	4.6
4	11380.00	58.5 PK	74.0	-15.5	2.04 H	112	46.2	12.3
5	11380.00	45.5 AV	54.0	-8.5	2.04 H	112	33.2	12.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5690.00	113.1 PK			1.80 V	222	71.7	41.4
2	*5690.00	100.1 AV			1.80 V	222	58.7	41.4
3	#5850.00	65.5 PK	68.2	-2.7	1.80 V	222	60.9	4.6
4	11380.00	59.8 PK	74.0	-14.2	2.41 V	186	47.5	12.3
5	11380.00	46.7 AV	54.0	-7.3	2.41 V	186	34.4	12.3

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.40	59.7 PK	68.2	-8.5	1.57 H	183	55.9	3.8
2	*5775.00	106.8 PK			1.57 H	183	65.1	41.7
3	*5775.00	94.7 AV			1.57 H	183	53.0	41.7
4	#5935.20	62.3 PK	68.2	-5.9	1.57 H	183	57.8	4.5
5	11550.00	57.9 PK	74.0	-16.1	2.52 H	102	46.4	11.5
6	11550.00	44.6 AV	54.0	-9.4	2.52 H	102	33.1	11.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5617.60	66.7 PK	68.2	-1.5	1.62 V	15	63.0	3.7
2	*5775.00	114.0 PK			1.62 V	15	72.3	41.7
3	*5775.00	101.1 AV			1.62 V	15	59.4	41.7
4	#5927.20	66.4 PK	68.2	-1.8	1.62 V	15	61.9	4.5
5	11550.00	58.7 PK	74.0	-15.3	2.54 V	178	47.2	11.5
6	11550.00	45.7 AV	54.0	-8.3	2.54 V	178	34.2	11.5

Remarks:

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

RF Mode	802.11be (EHT160)	Channel	CH 50：5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5073.50	62.9 PK	74.0	-11.1	2.03 H	2	59.4	3.5
2	5073.50	50.0 AV	54.0	-4.0	2.03 H	2	46.5	3.5
3	*5250.00	103.2 PK			2.03 H	2	62.4	40.8
4	*5250.00	89.8 AV			2.03 H	2	49.0	40.8
5	5373.24	60.1 PK	74.0	-13.9	2.03 H	2	57.0	3.1
6	5373.24	47.7 AV	54.0	-6.3	2.03 H	2	44.6	3.1
7	#10500.00	60.0 PK	68.2	-8.2	1.43 H	257	47.5	12.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5079.84	68.6 PK	74.0	-5.4	1.89 V	213	65.0	3.6
2	5079.84	53.3 AV	54.0	-0.7	1.89 V	213	49.7	3.6
3	*5250.00	109.2 PK			1.89 V	213	68.4	40.8
4	*5250.00	96.0 AV			1.89 V	213	55.2	40.8
5	5407.20	66.4 PK	74.0	-7.6	1.89 V	213	63.2	3.2
6	5407.20	53.1 AV	54.0	-0.9	1.89 V	213	49.9	3.2
7	#10500.00	60.0 PK	68.2	-8.2	2.43 V	157	47.5	12.5

Remarks:

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

RF Mode	802.11be (EHT160)	Channel	CH 114：5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 64% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5445.76	63.4 PK	74.0	-10.6	1.43 H	169	60.2	3.2
2	5445.76	49.6 AV	54.0	-4.4	1.43 H	169	46.4	3.2
3	#5467.96	63.0 PK	68.2	-5.2	1.43 H	169	59.7	3.3
4	*5570.00	103.6 PK			1.43 H	169	62.2	41.4
5	*5570.00	91.1 AV			1.43 H	169	49.7	41.4
6	#5725.00	62.7 PK	68.2	-5.5	1.43 H	169	58.9	3.8
7	11140.00	57.9 PK	74.0	-16.1	2.07 H	285	46.1	11.8
8	11140.00	45.3 AV	54.0	-8.7	2.07 H	285	33.5	11.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5447.85	67.9 PK	74.0	-6.1	1.73 V	217	64.7	3.2
2	5447.85	53.7 AV	54.0	-0.3	1.73 V	217	50.5	3.2
3	**#5467.84**	**68.0 PK**	**68.2**	**-0.2**	**1.73 V**	**217**	**64.7**	**3.3**
4	*5570.00	110.9 PK			1.73 V	217	69.5	41.4
5	*5570.00	98.0 AV			1.73 V	217	56.6	41.4
6	#5725.00	67.2 PK	68.2	-1.0	1.73 V	217	63.4	3.8
7	11140.00	58.9 PK	74.0	-15.1	2.25 V	173	47.1	11.8
8	11140.00	45.8 AV	54.0	-8.2	2.25 V	173	34.0	11.8

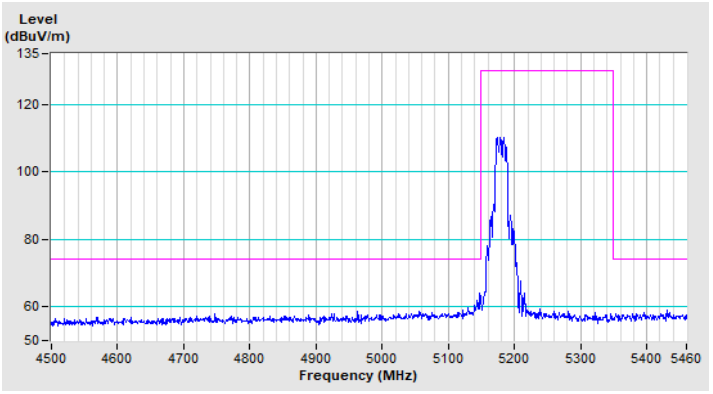
Remarks:

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

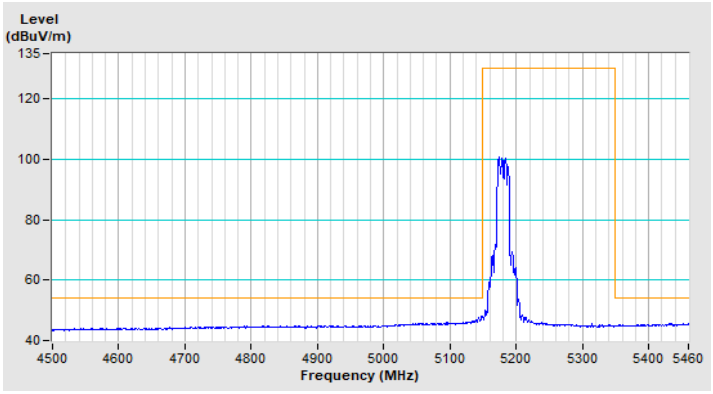
Plot of Band Edge

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

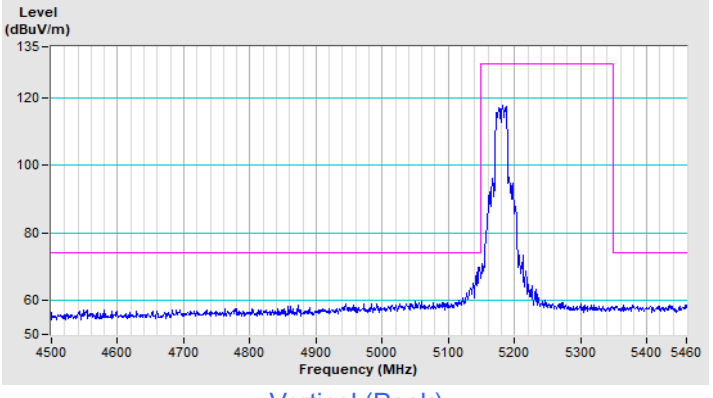
802.11a Channel 36



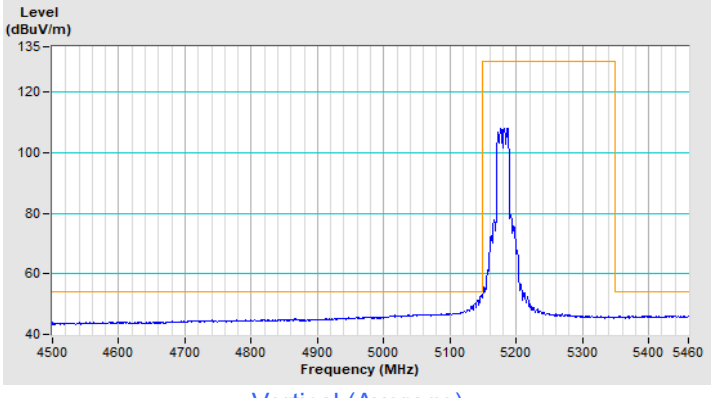
Horizontal (Peak)



Horizontal (Average)

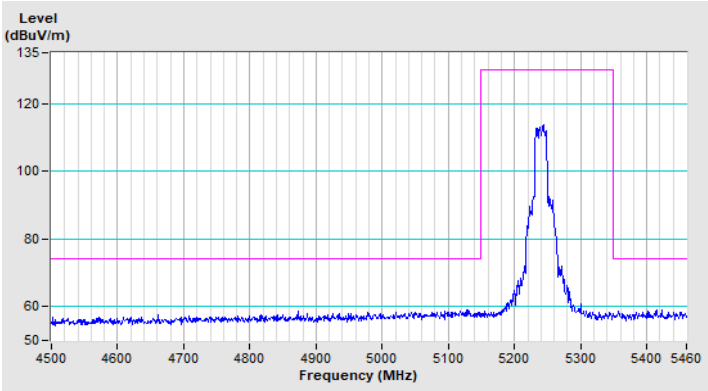


Vertical (Peak)

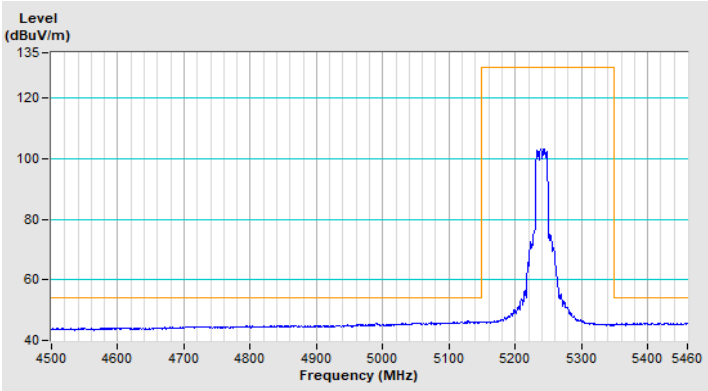


Vertical (Average)

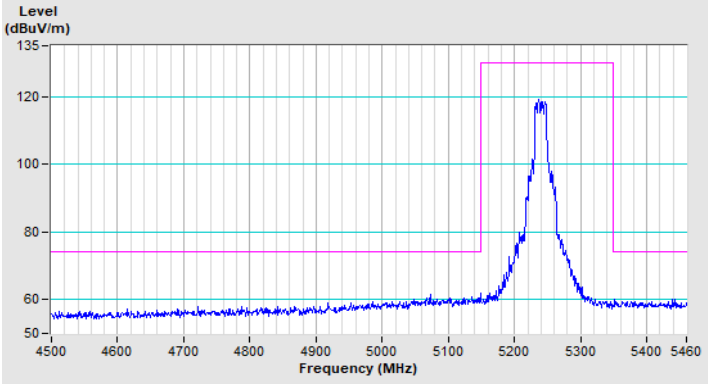
802.11a Channel 48



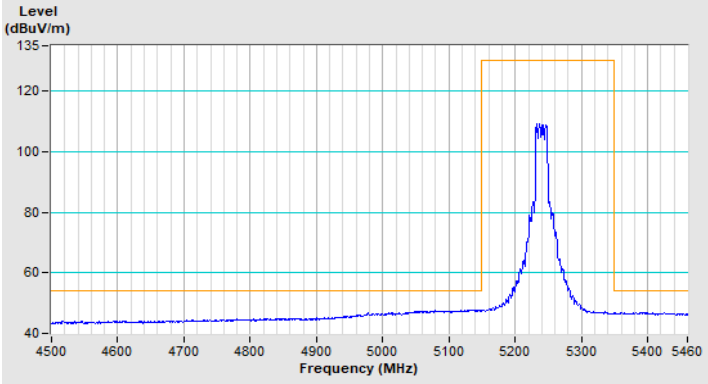
Horizontal (Peak)



Horizontal (Average)

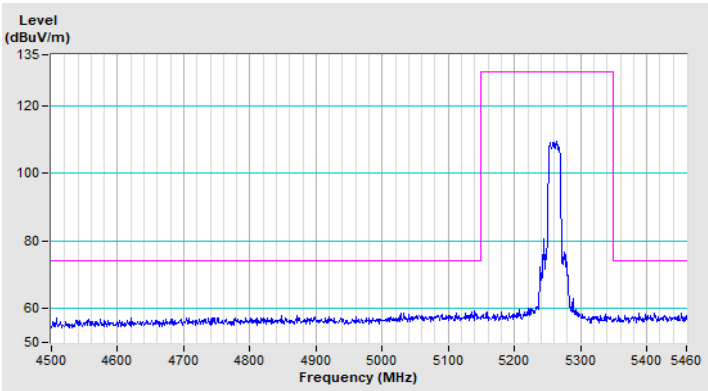


Vertical (Peak)

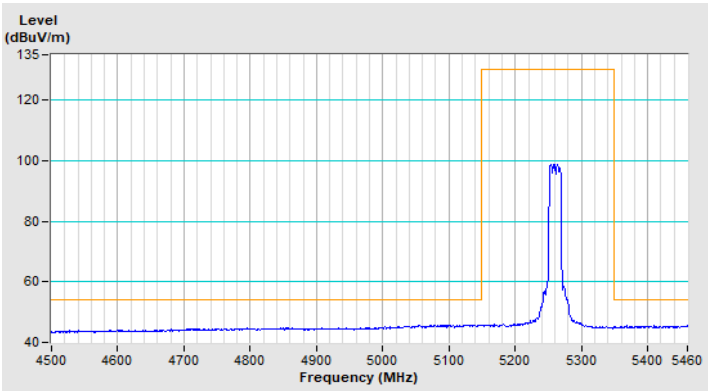


Vertical (Average)

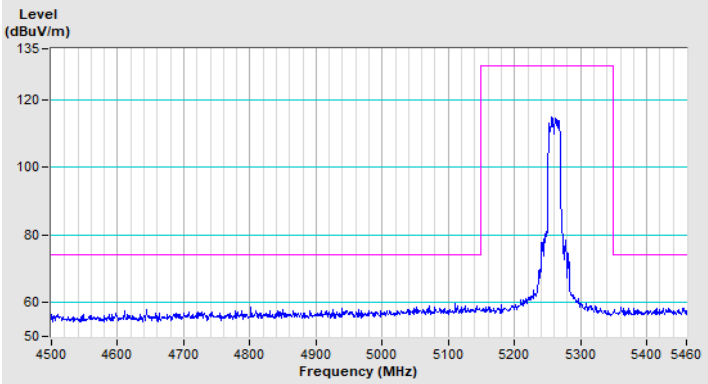
802.11a Channel 52



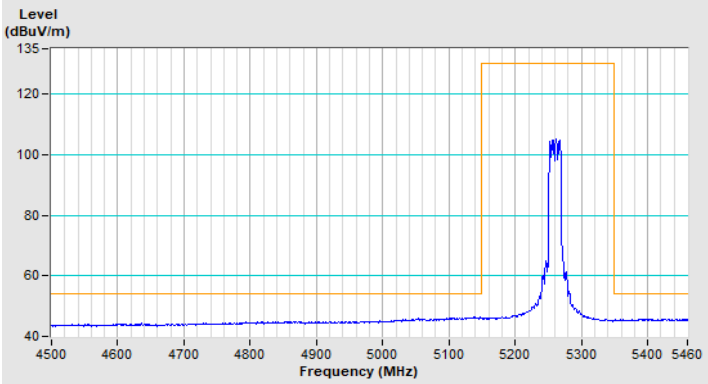
Horizontal (Peak)



Horizontal (Average)

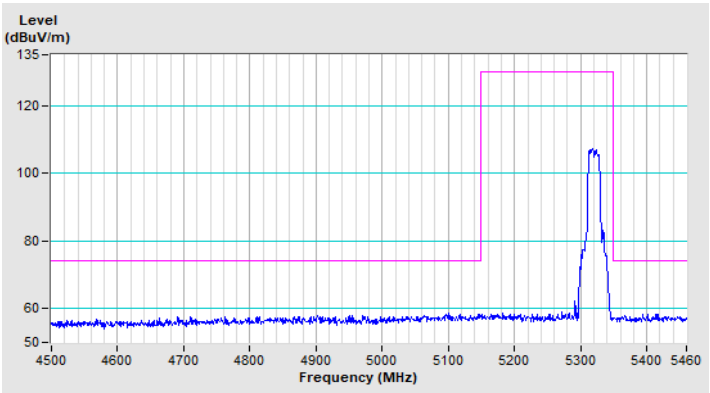


Vertical (Peak)

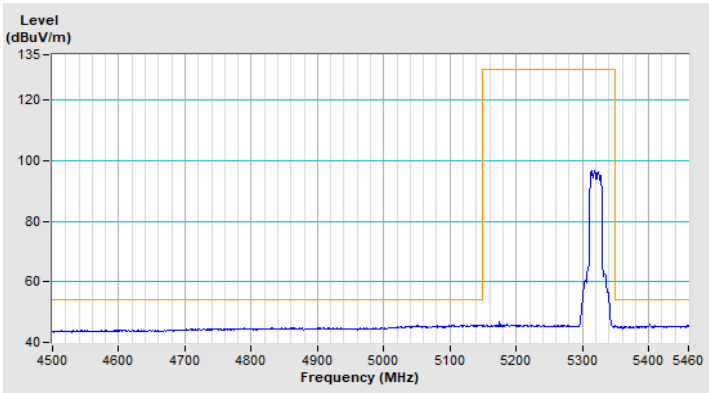


Vertical (Average)

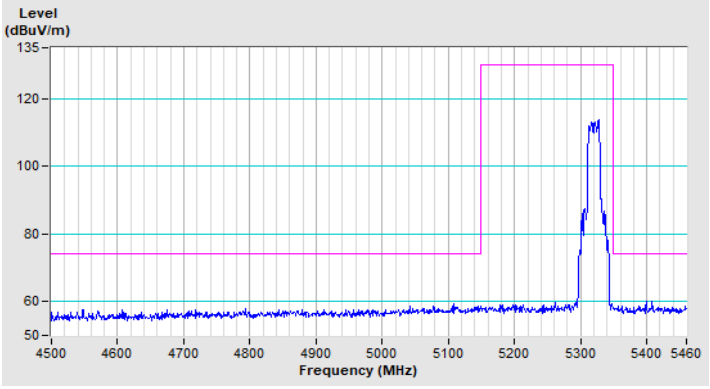
802.11a Channel 64



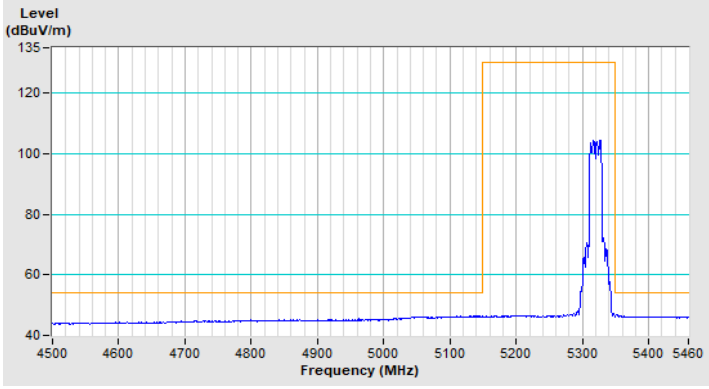
Horizontal (Peak)



Horizontal (Average)



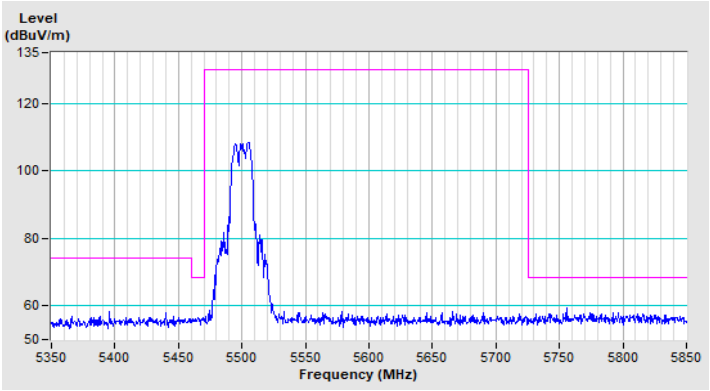
Vertical (Peak)



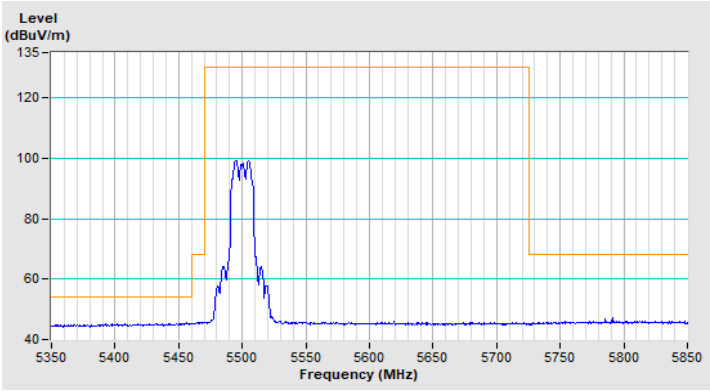
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

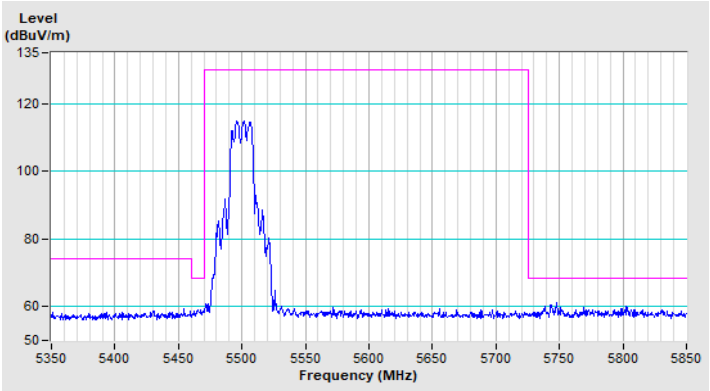
802.11a Channel 100



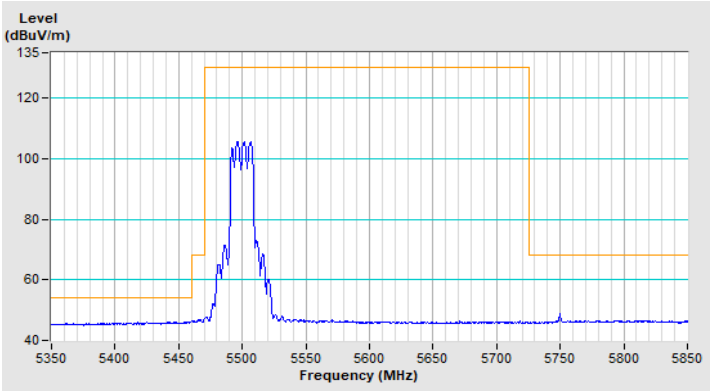
Horizontal (Peak)



Horizontal (Average)

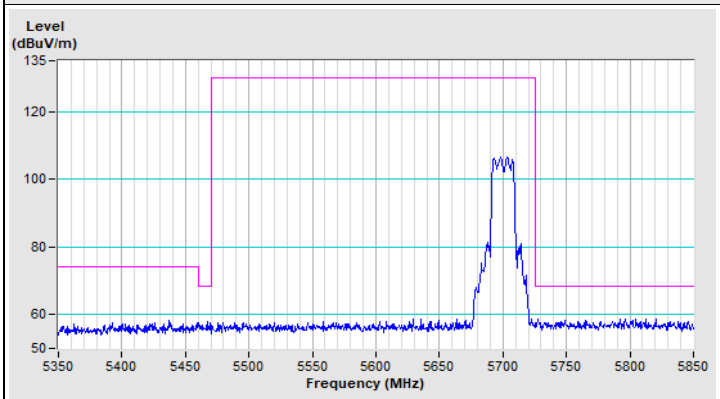


Vertical (Peak)

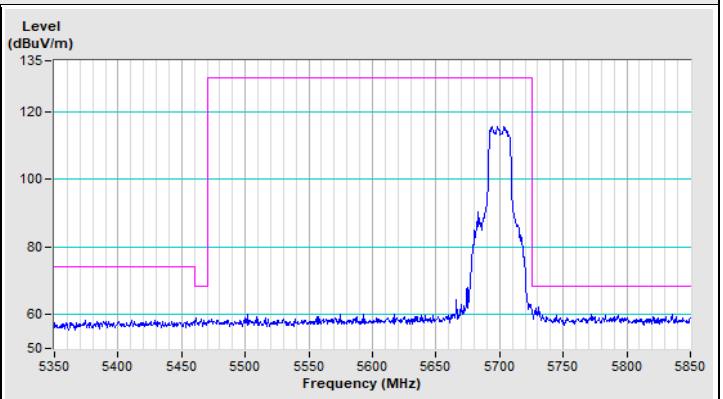


Vertical (Average)

802.11a Channel 140



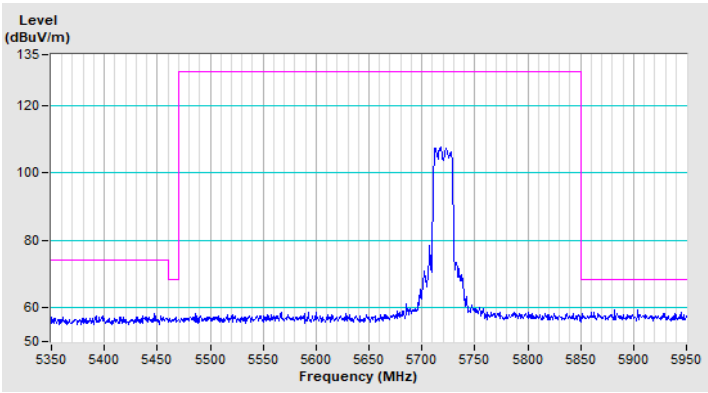
Horizontal (Peak)



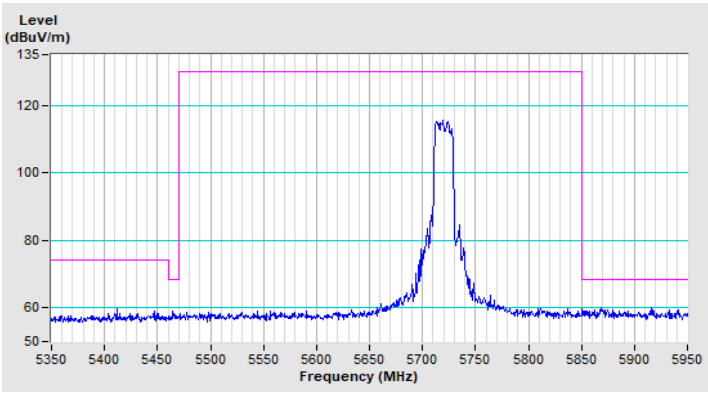
Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11a Channel 144



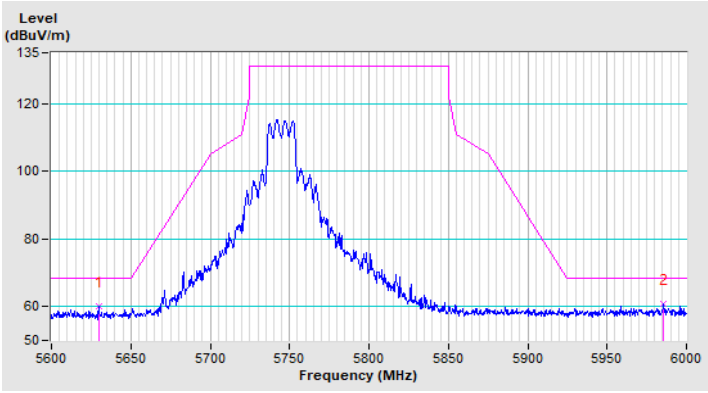
Horizontal (Peak)



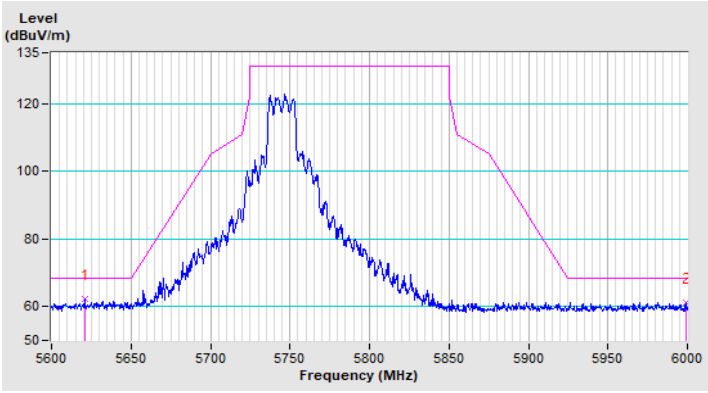
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11a Channel 149

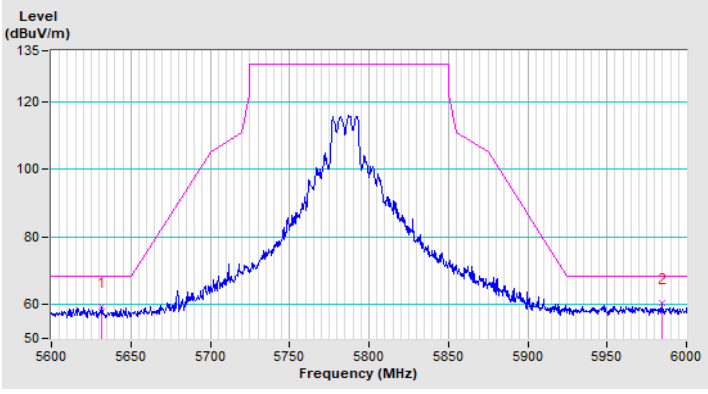


Horizontal (Peak)

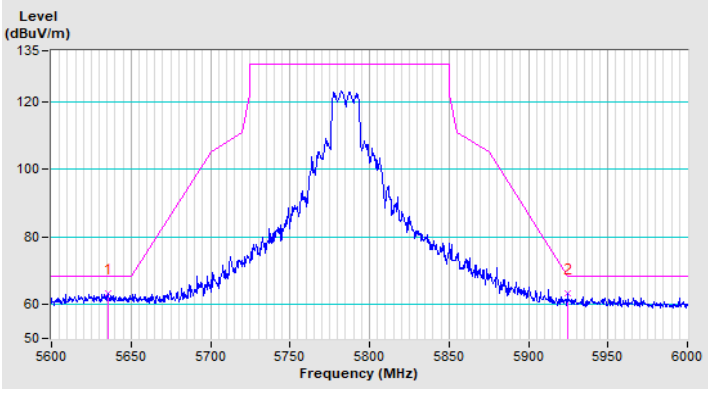


Vertical (Peak)

802.11a Channel 157

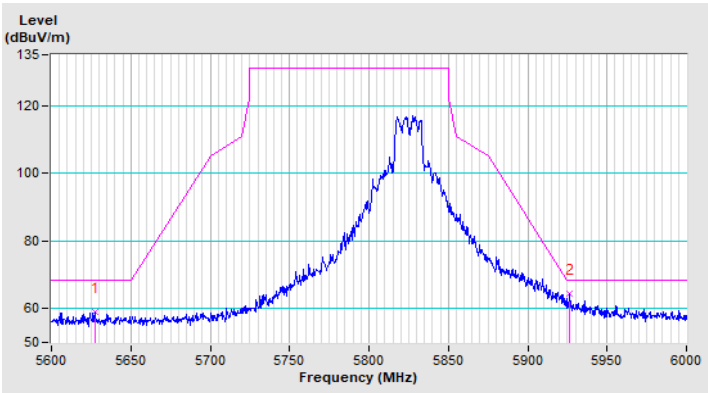


Horizontal (Peak)

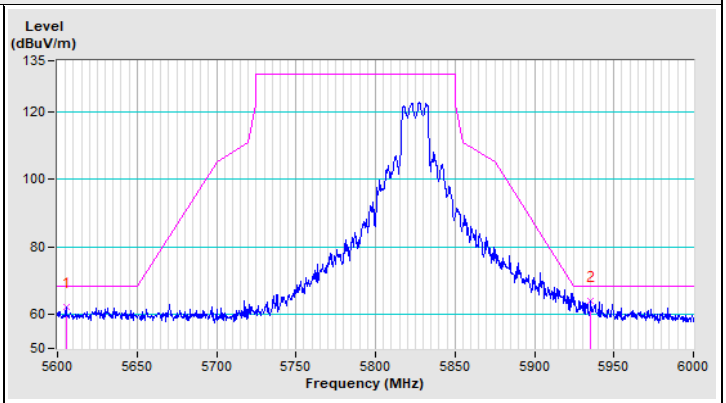


Vertical (Peak)

802.11a Channel 165



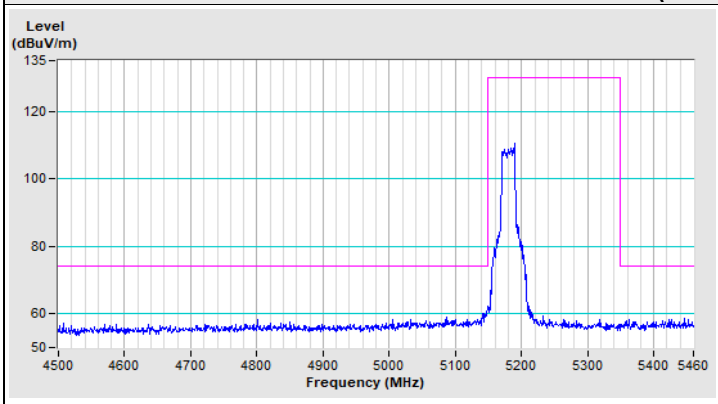
Horizontal (Peak)



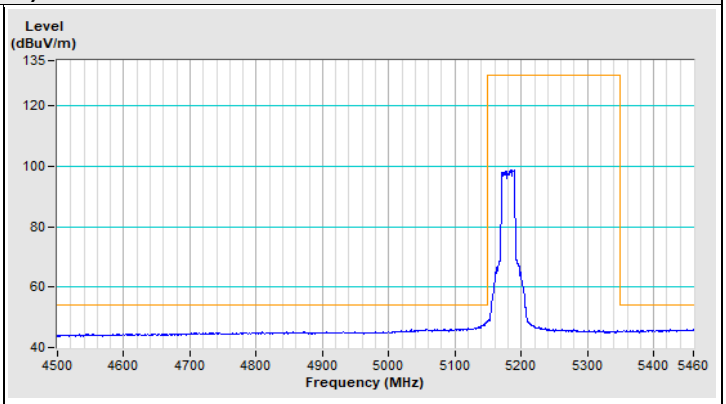
Vertical (Peak)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

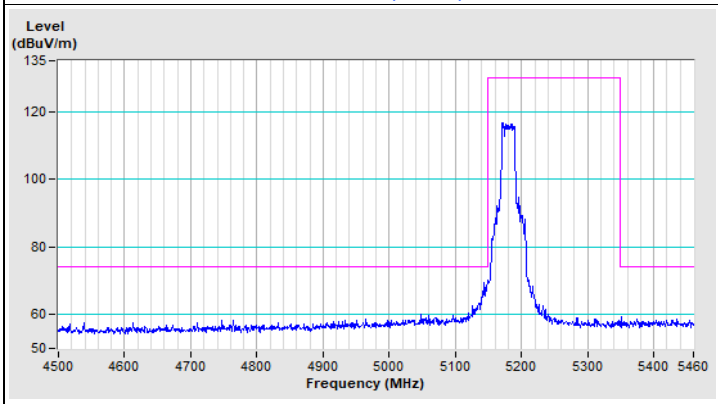
802.11be (EHT20) Channel 36



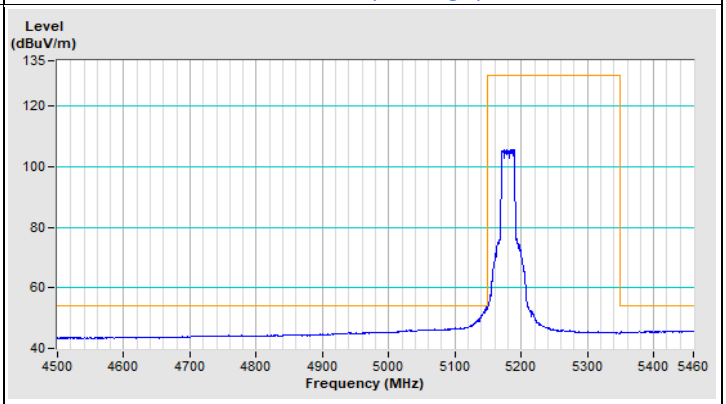
Horizontal (Peak)



Horizontal (Average)

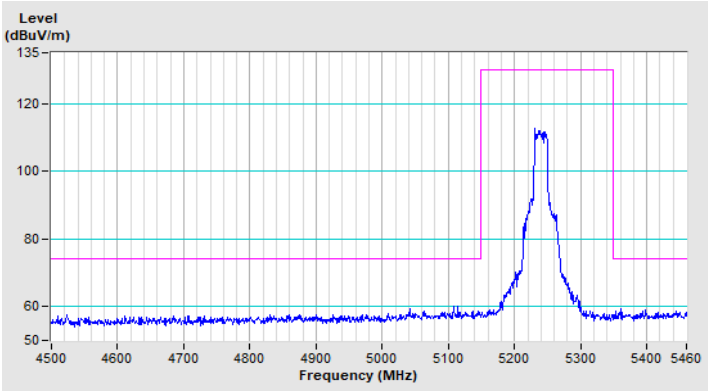


Vertical (Peak)

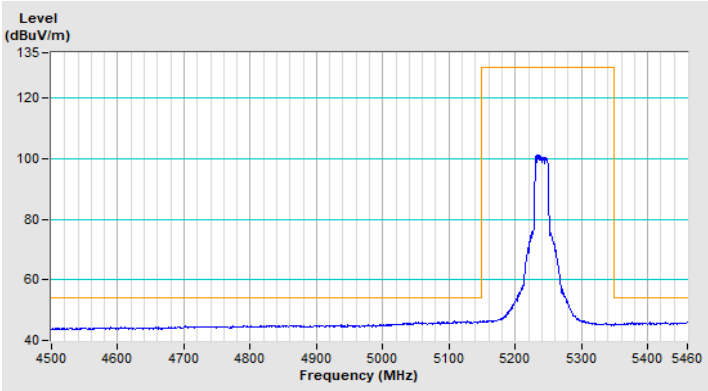


Vertical (Average)

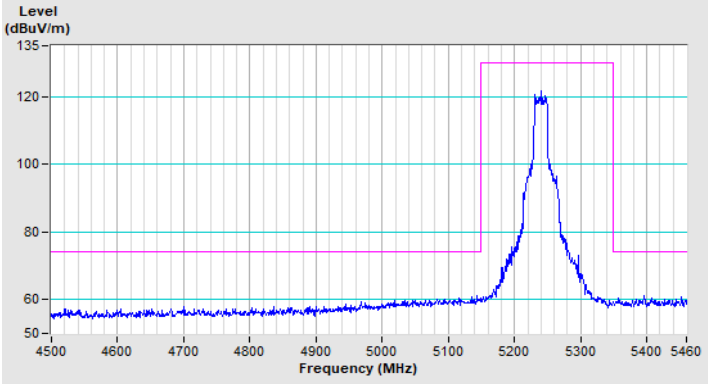
802.11be (EHT20) Channel 48



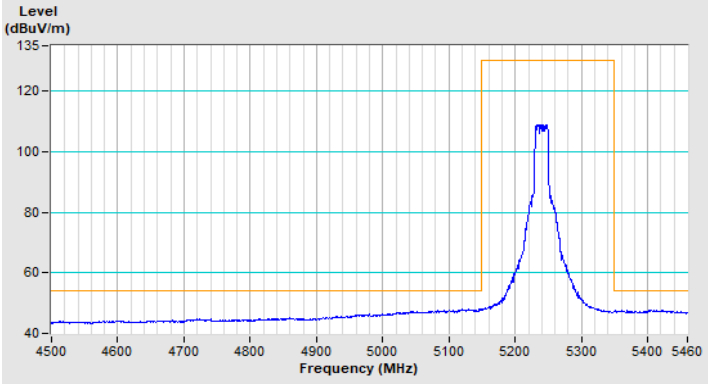
Horizontal (Peak)



Horizontal (Average)

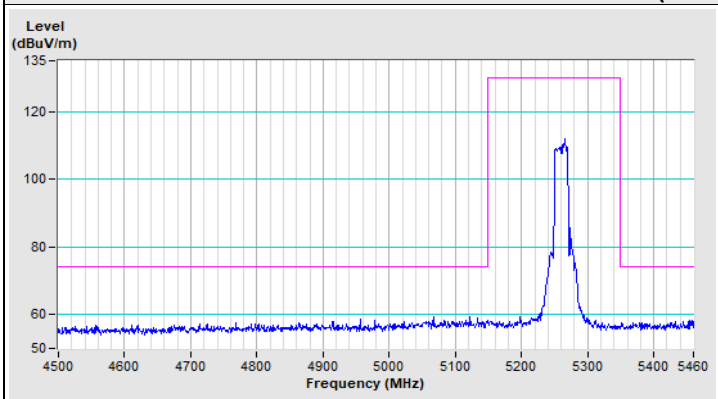


Vertical (Peak)

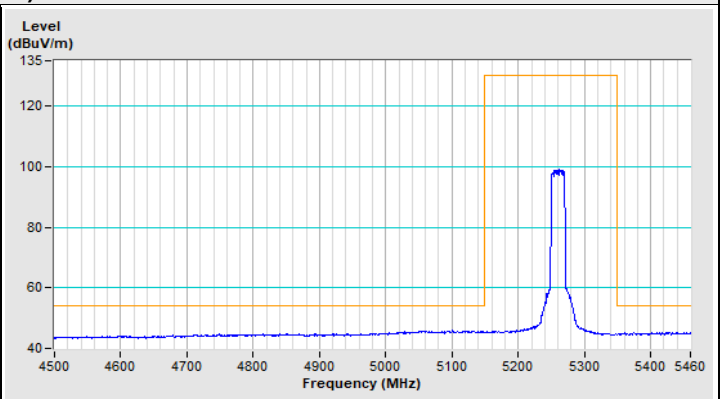


Vertical (Average)

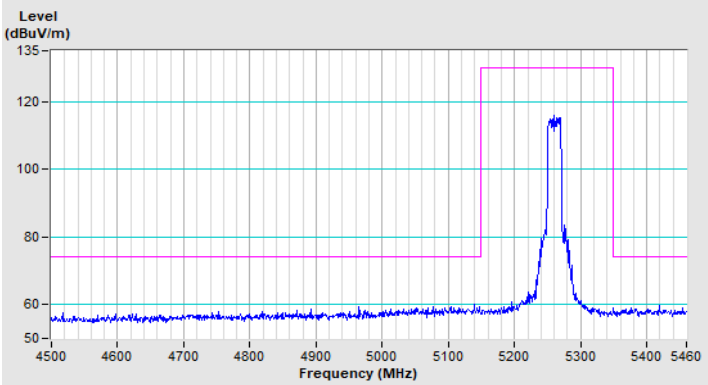
802.11be (EHT20) Channel 52



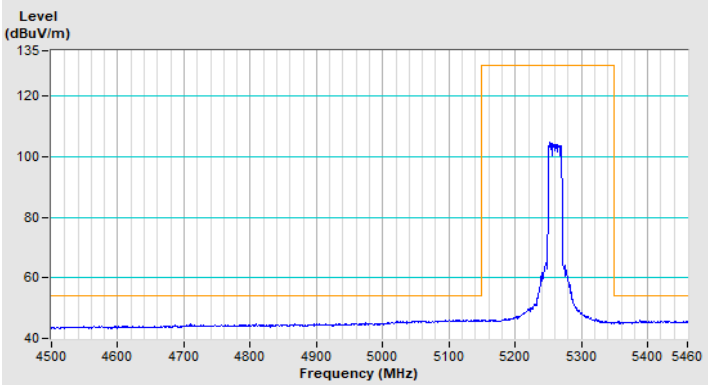
Horizontal (Peak)



Horizontal (Average)

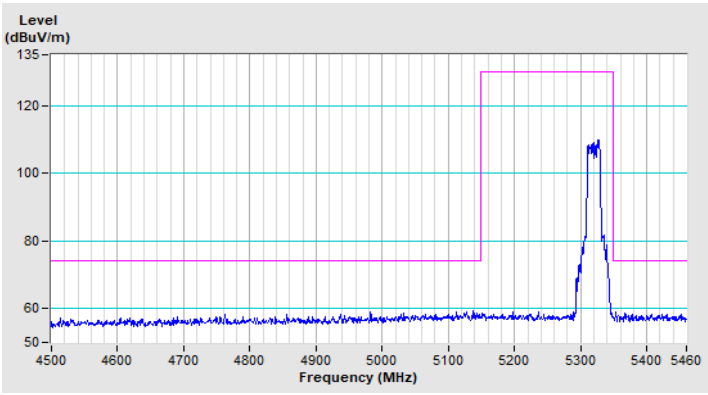


Vertical (Peak)

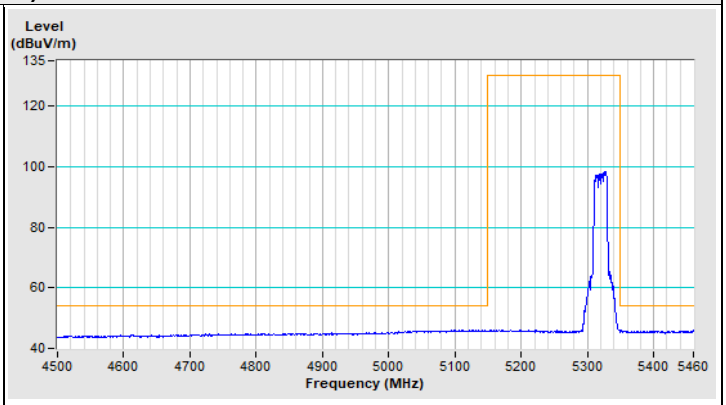


Vertical (Average)

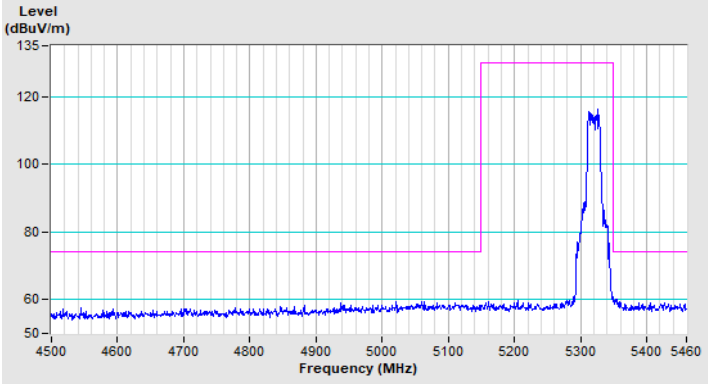
802.11be (EHT20) Channel 64



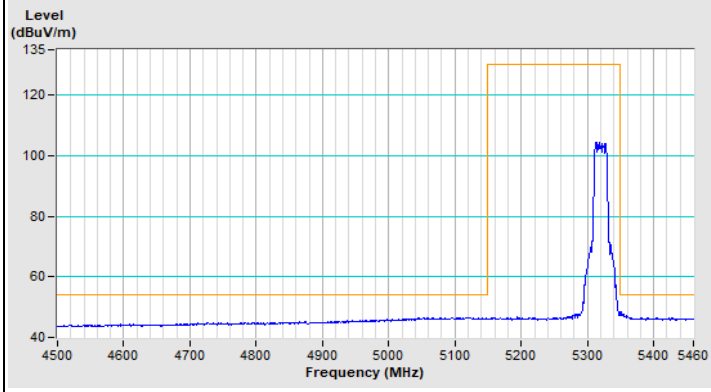
Horizontal (Peak)



Horizontal (Average)



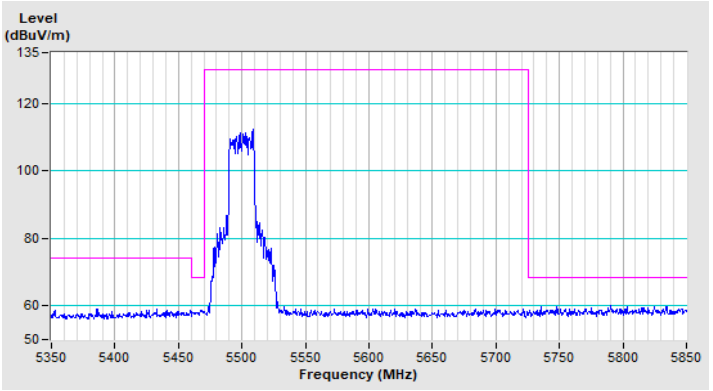
Vertical (Peak)



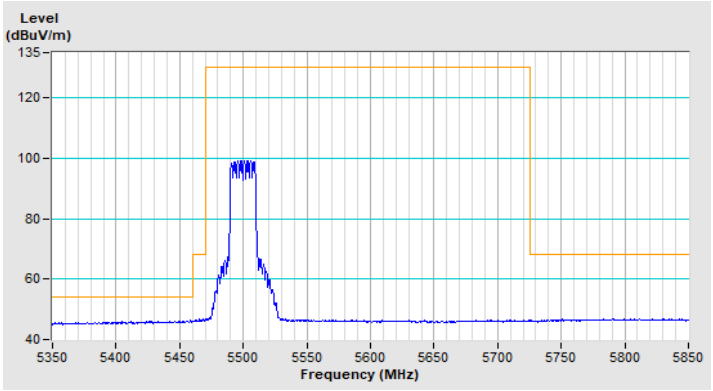
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

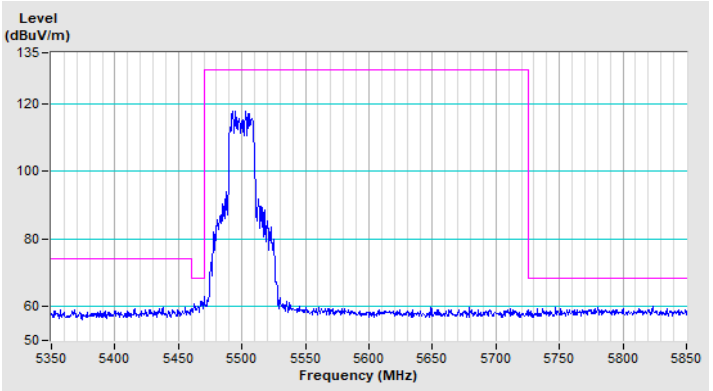
802.11be (EHT20) Channel 100



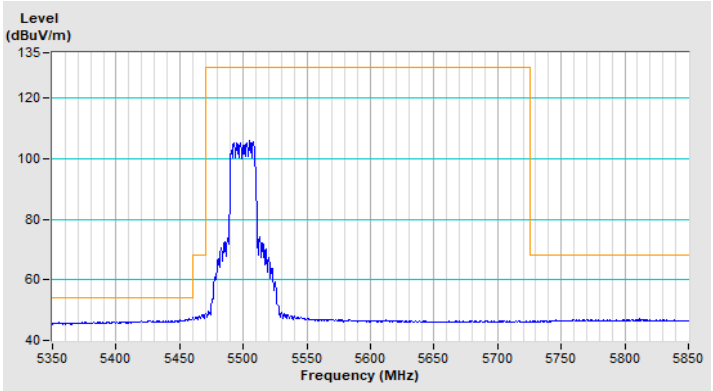
Horizontal (Peak)



Horizontal (Average)

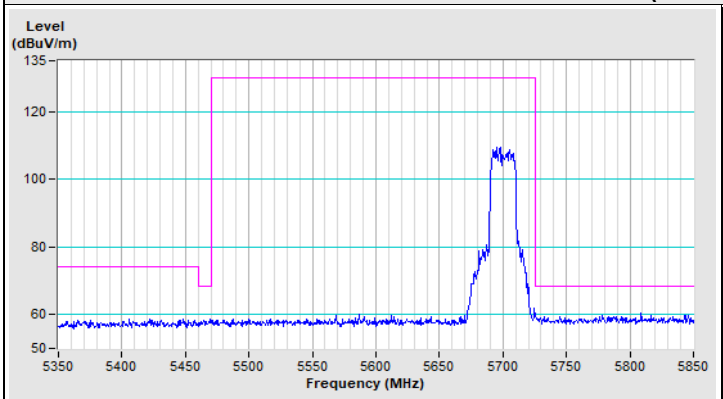


Vertical (Peak)

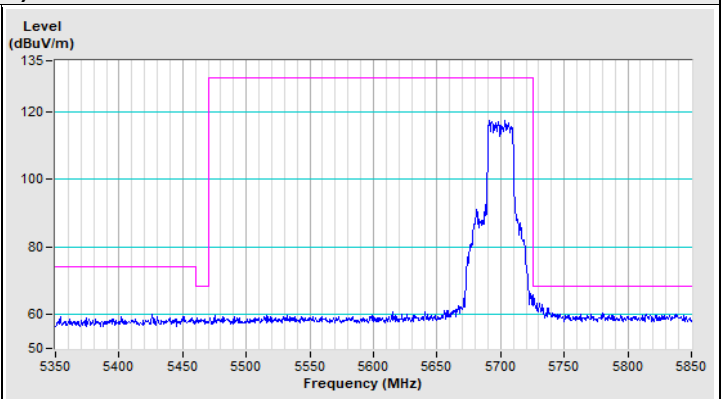


Vertical (Average)

802.11be (EHT20) Channel 140



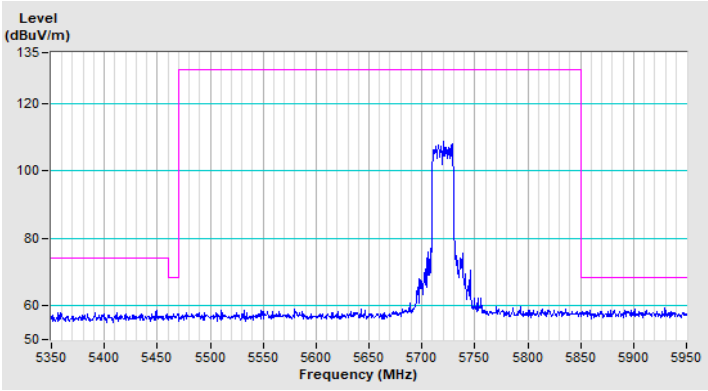
Horizontal (Peak)



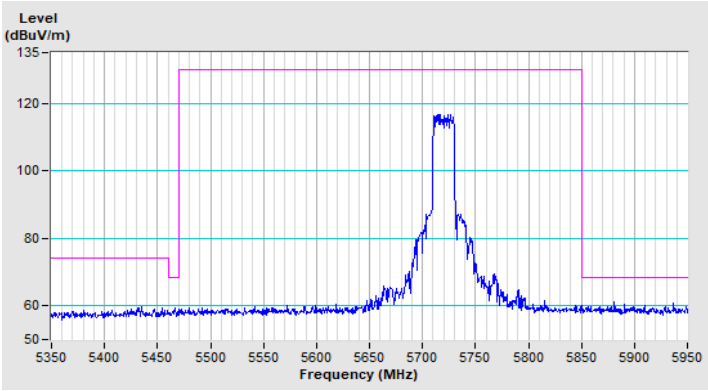
Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11be (EHT20) Channel 144



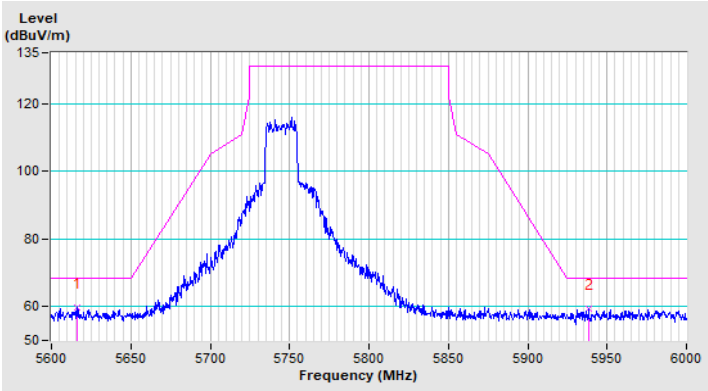
Horizontal (Peak)



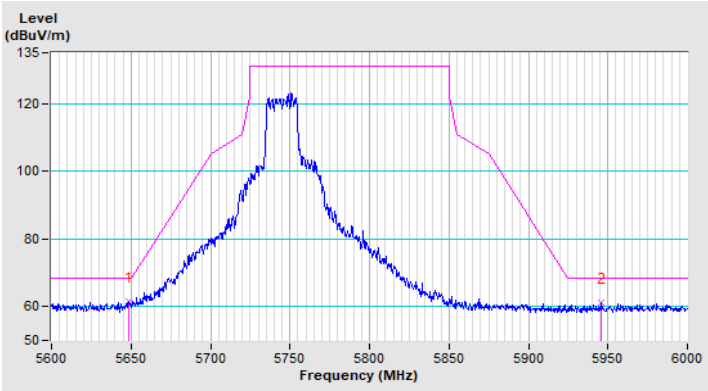
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11be (EHT20) Channel 149

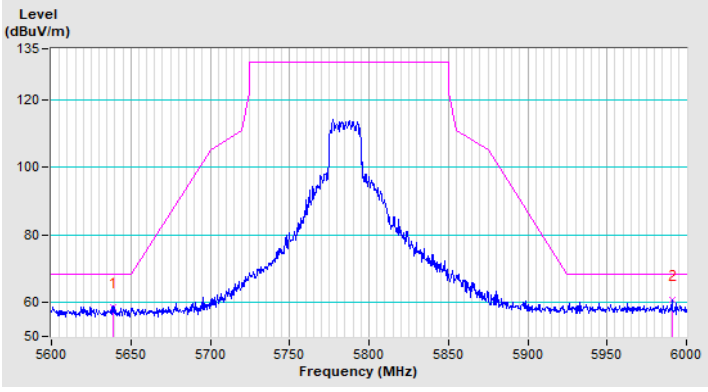


Horizontal (Peak)

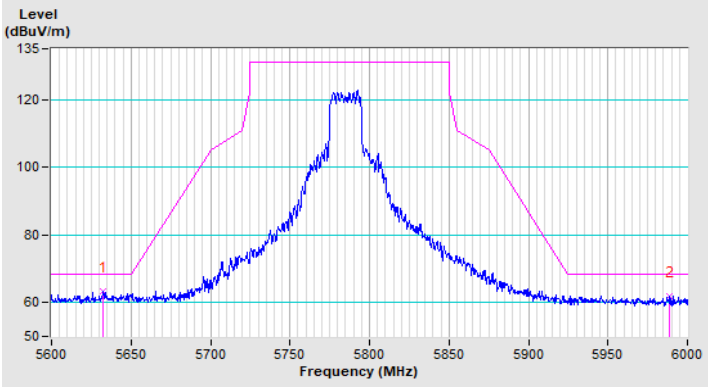


Vertical (Peak)

802.11be (EHT20) Channel 157

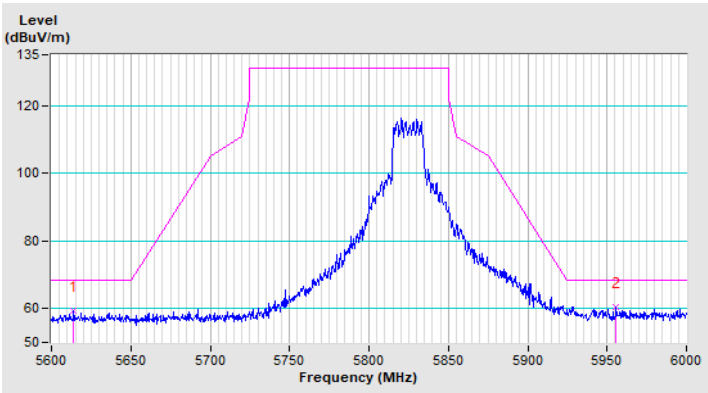


Horizontal (Peak)

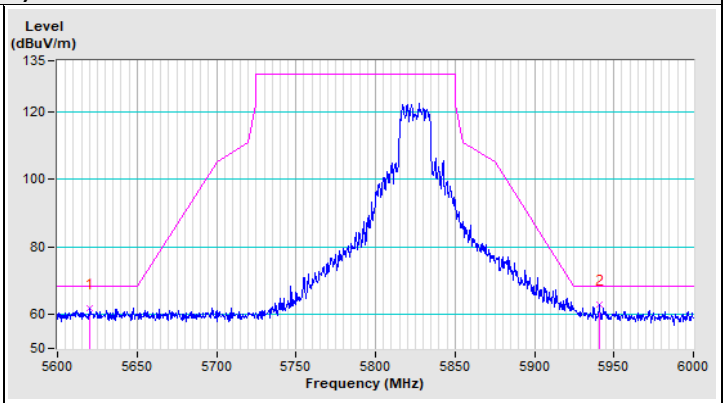


Vertical (Peak)

802.11be (EHT20) Channel 165



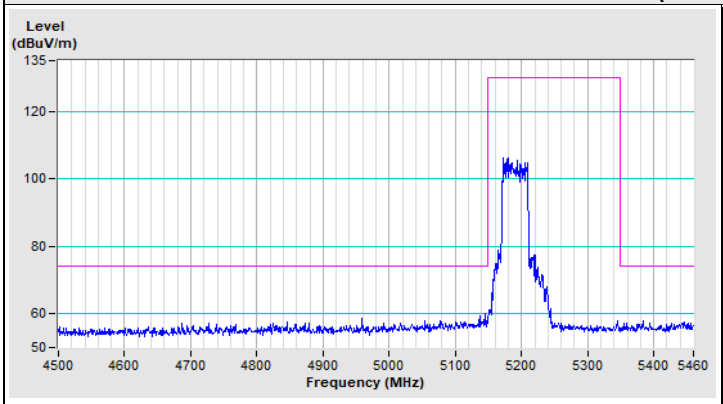
Horizontal (Peak)



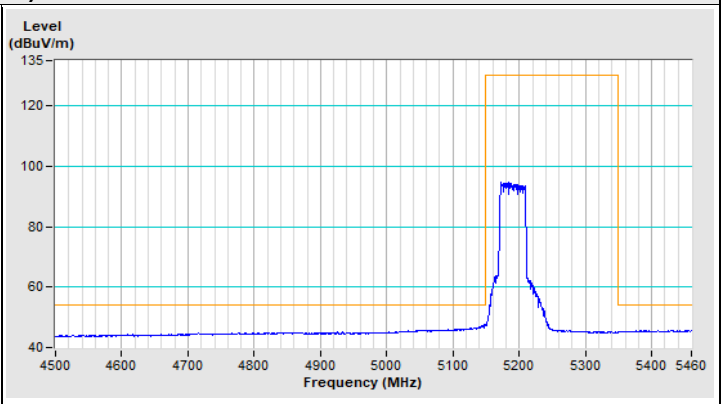
Vertical (Peak)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

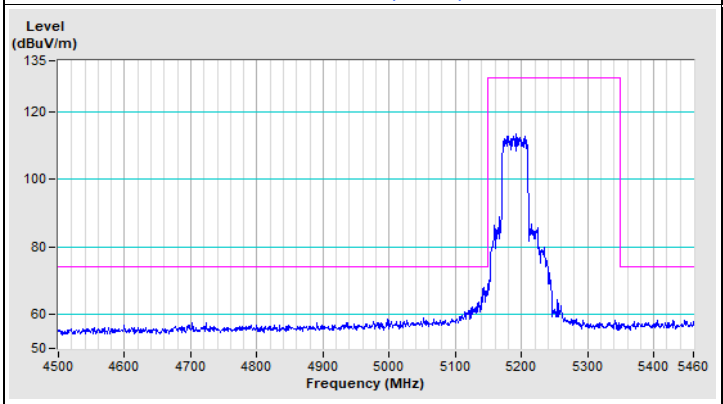
802.11be (EHT40) Channel 38



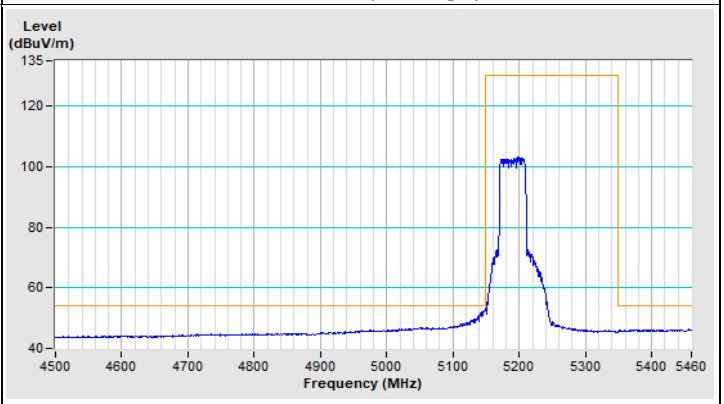
Horizontal (Peak)



Horizontal (Average)

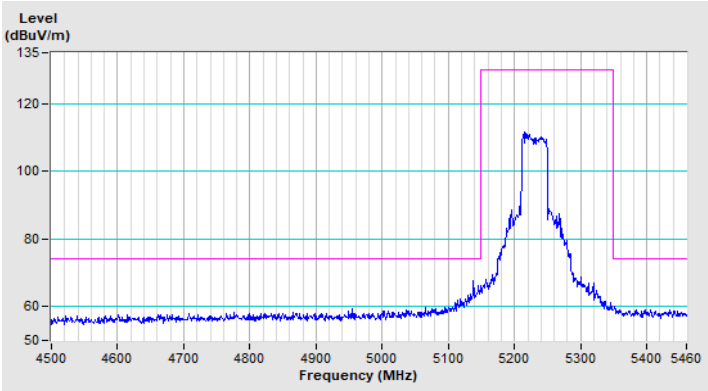


Vertical (Peak)

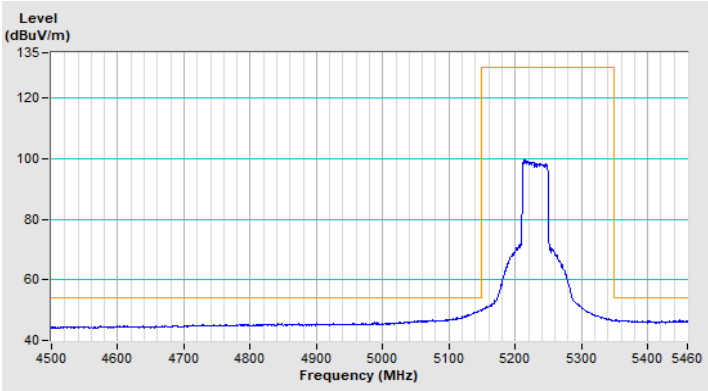


Vertical (Average)

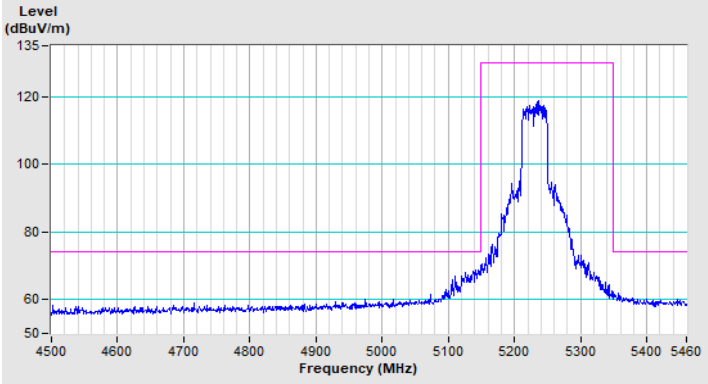
802.11be (EHT40) Channel 46



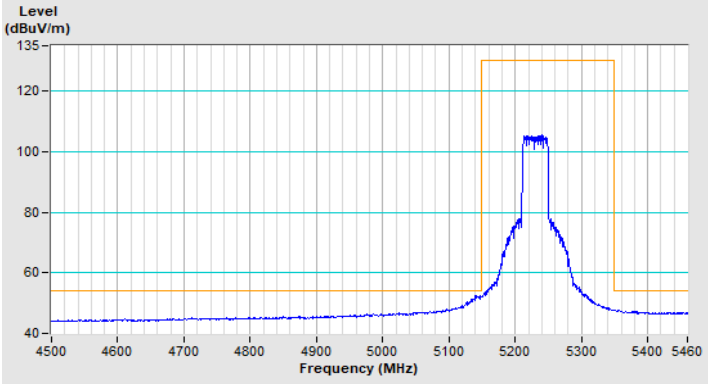
Horizontal (Peak)



Horizontal (Average)

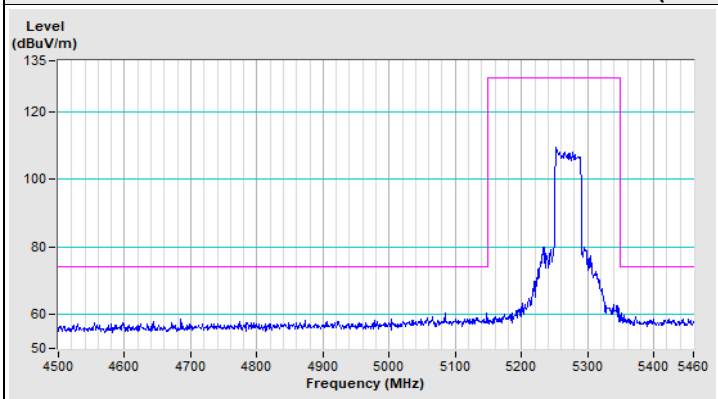


Vertical (Peak)

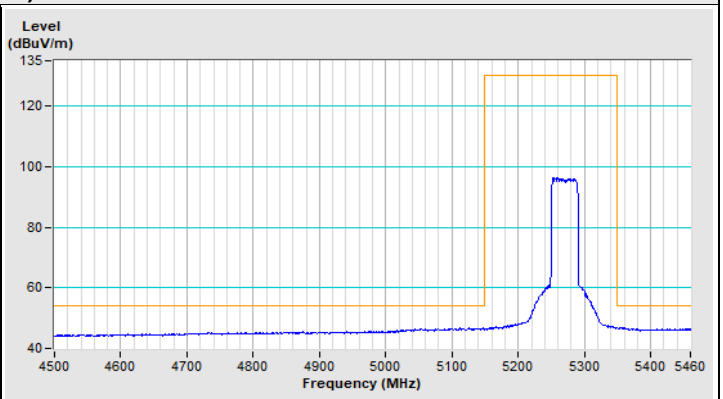


Vertical (Average)

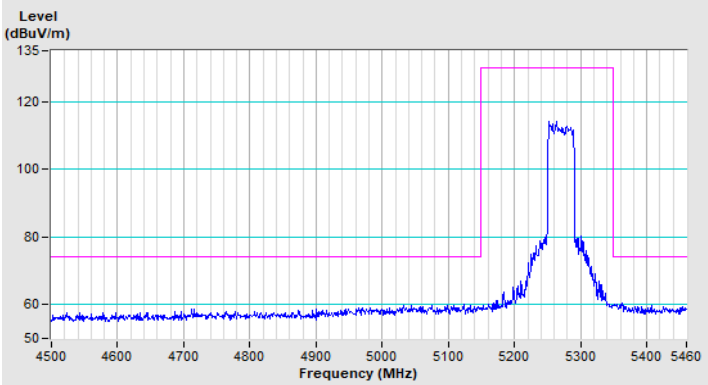
802.11be (EHT40) Channel 54



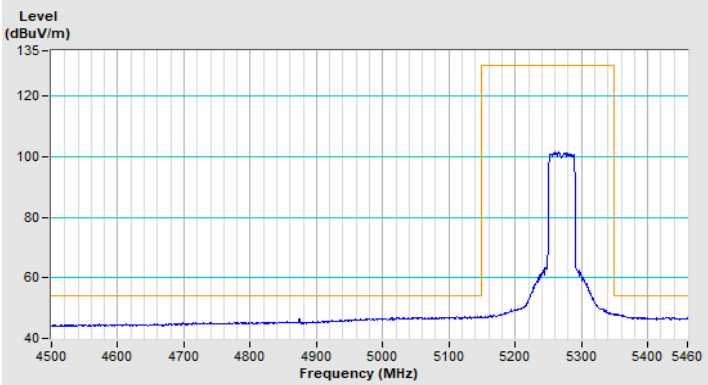
Horizontal (Peak)



Horizontal (Average)

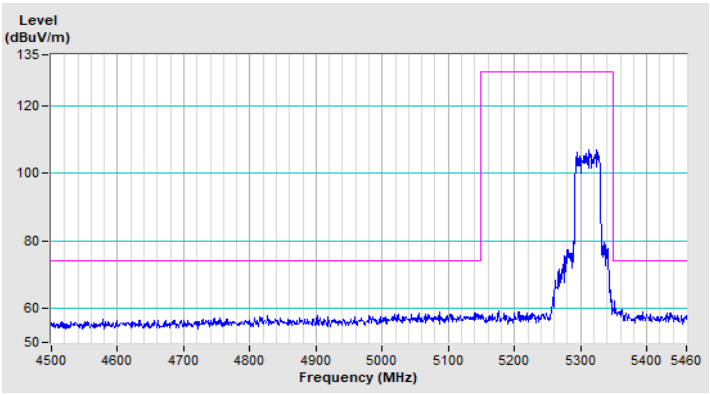


Vertical (Peak)

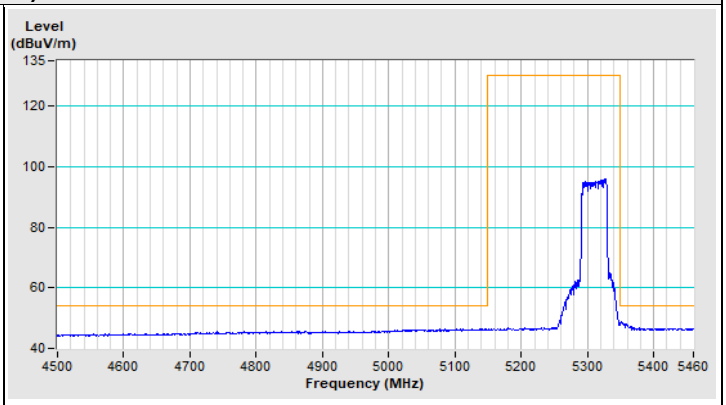


Vertical (Average)

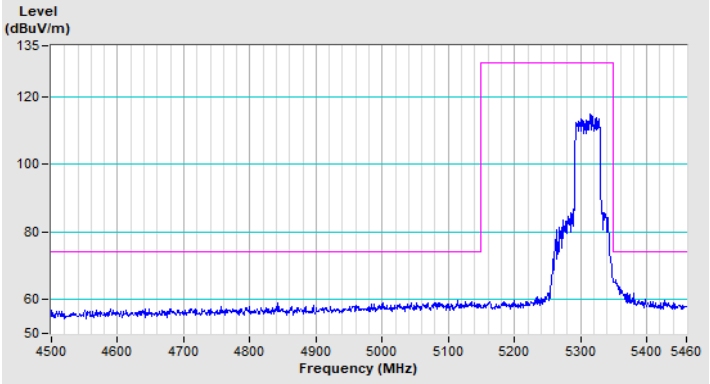
802.11be (EHT40) Channel 62



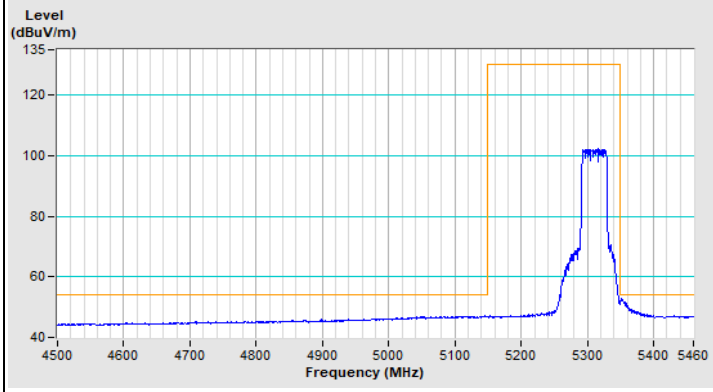
Horizontal (Peak)



Horizontal (Average)



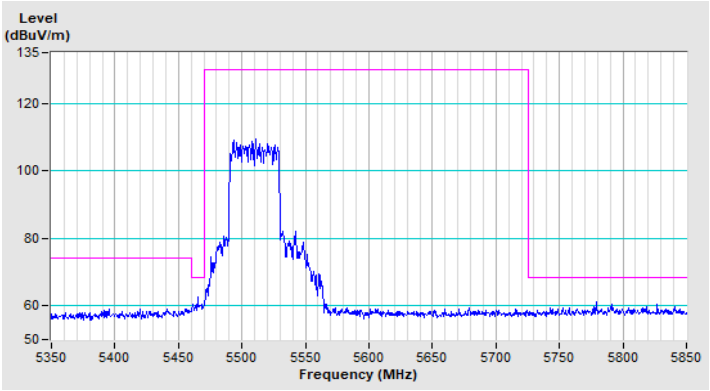
Vertical (Peak)



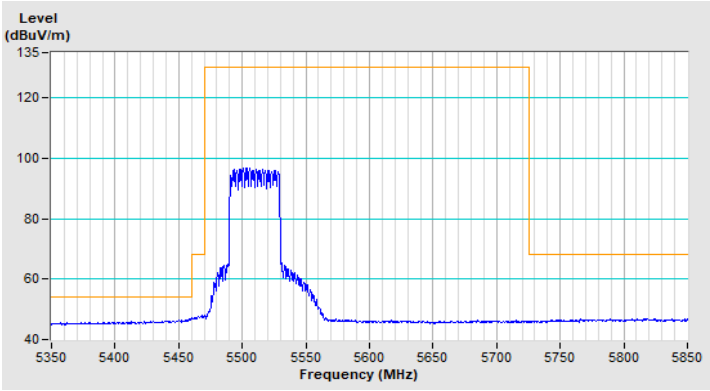
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

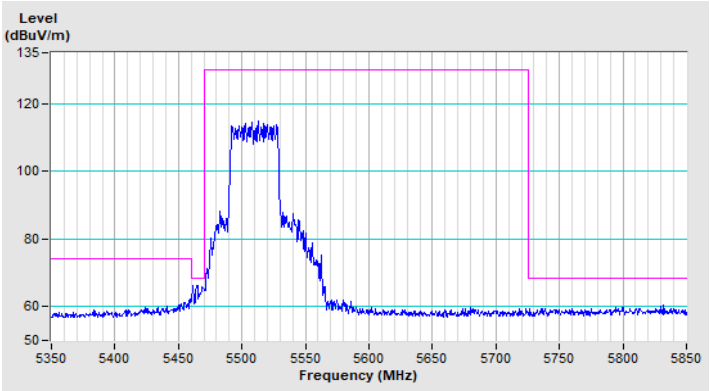
802.11be (EHT40) Channel 102



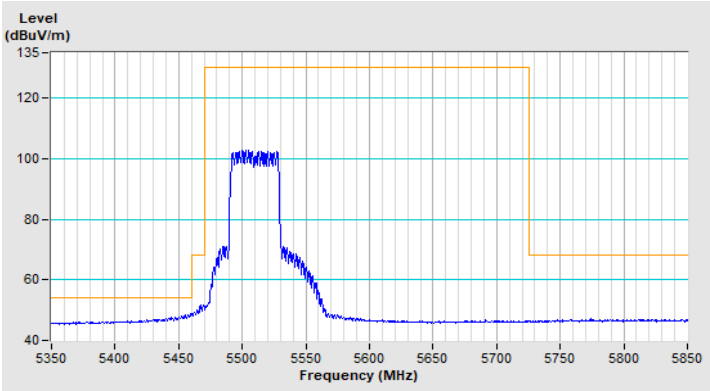
Horizontal (Peak)



Horizontal (Average)

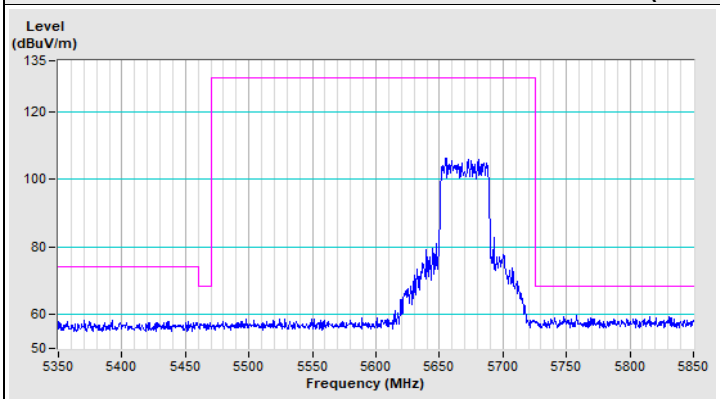


Vertical (Peak)

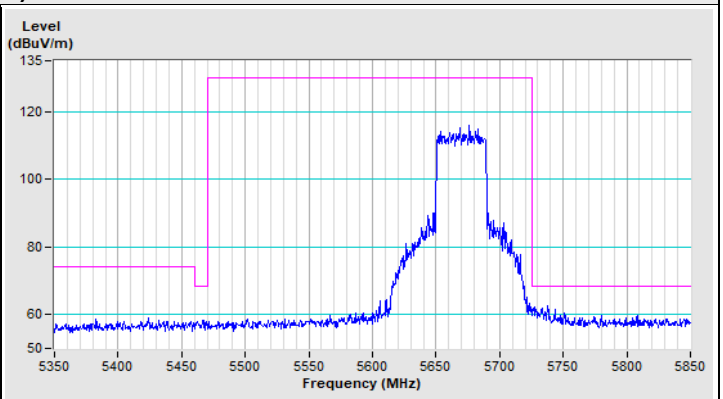


Vertical (Average)

802.11be (EHT40) Channel 134



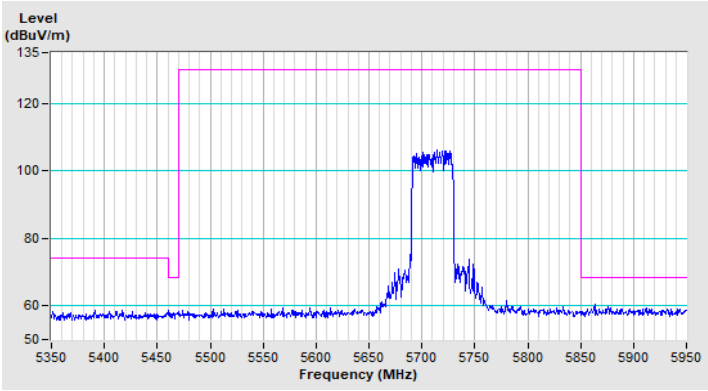
Horizontal (Peak)



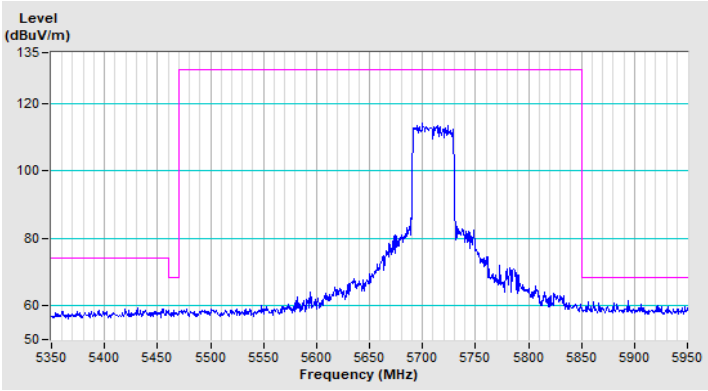
Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11be (EHT40) Channel 142



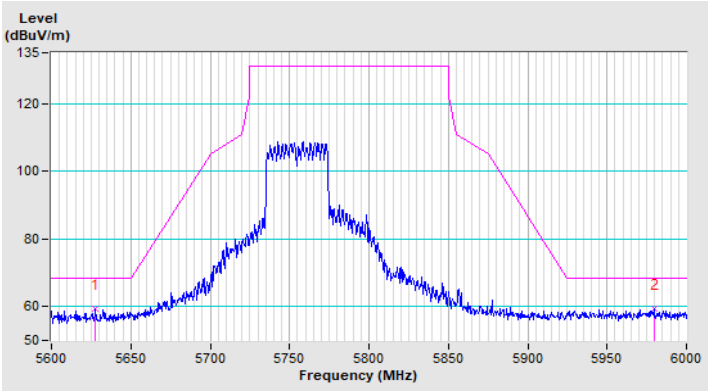
Horizontal (Peak)



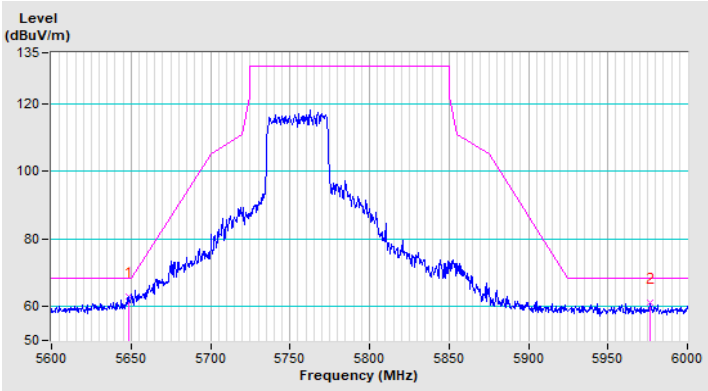
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11be (EHT40) Channel 151

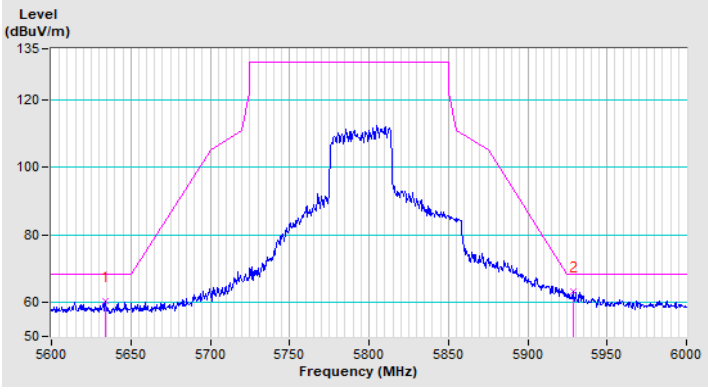


Horizontal (Peak)

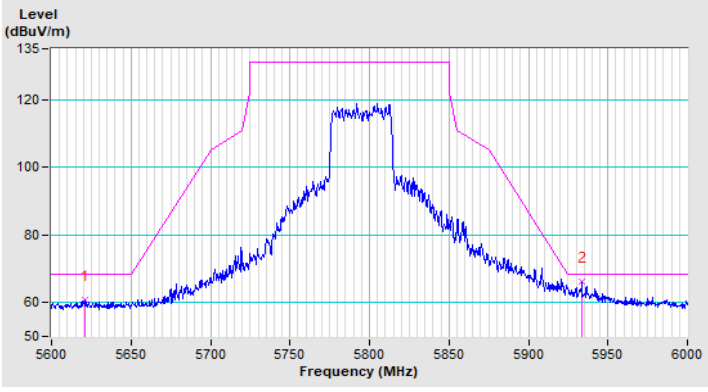


Vertical (Peak)

802.11be (EHT40) Channel 159



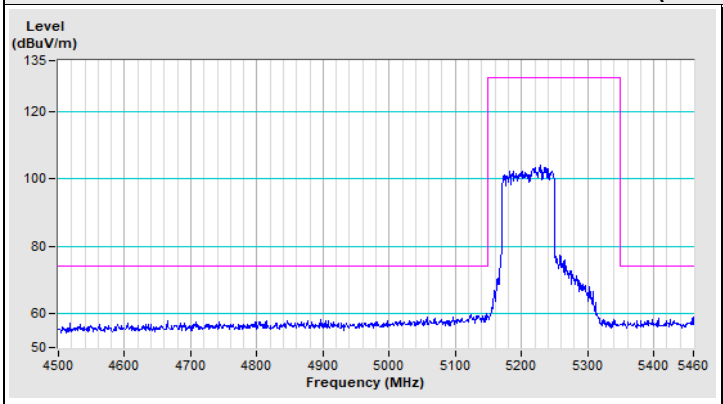
Horizontal (Peak)



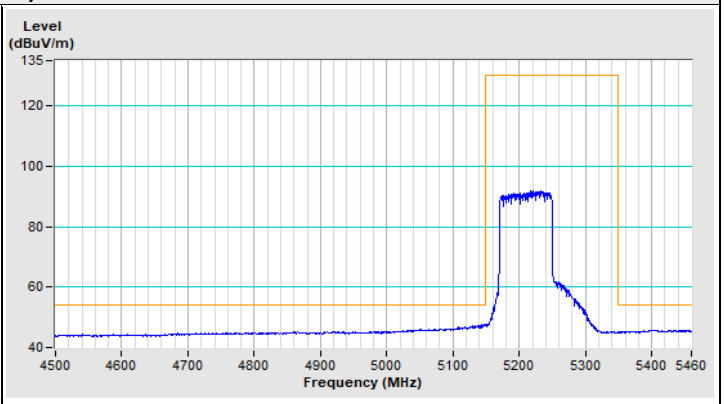
Vertical (Peak)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

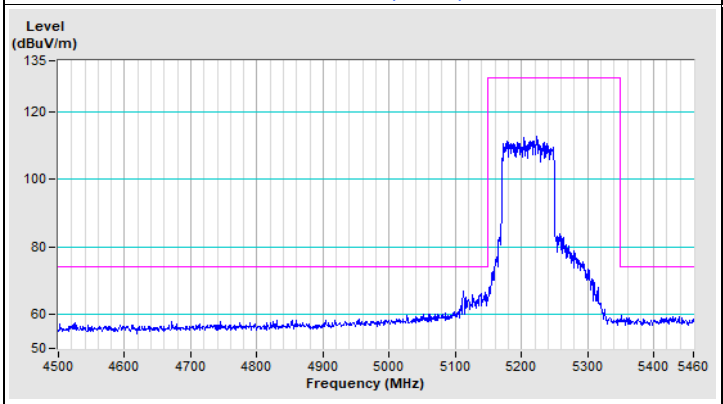
802.11be (EHT80) Channel 42



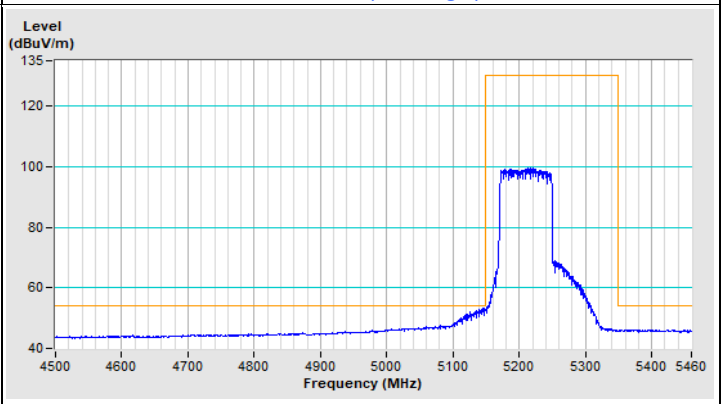
Horizontal (Peak)



Horizontal (Average)

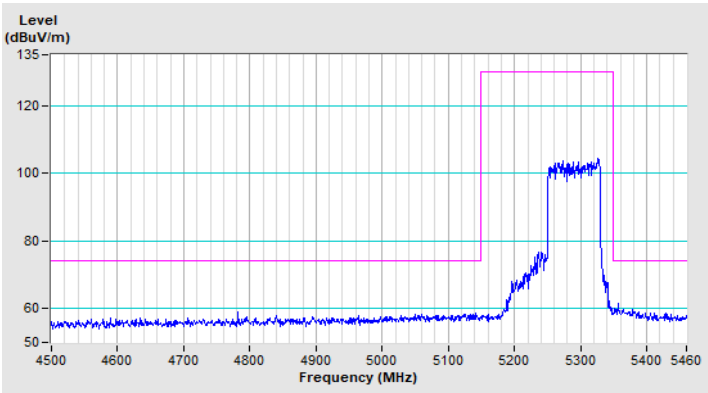


Vertical (Peak)

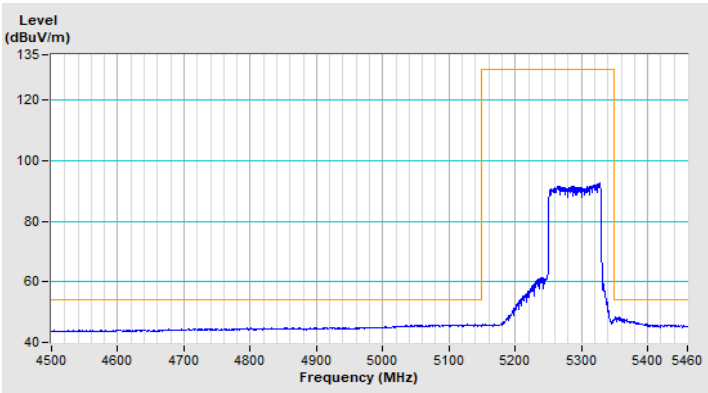


Vertical (Average)

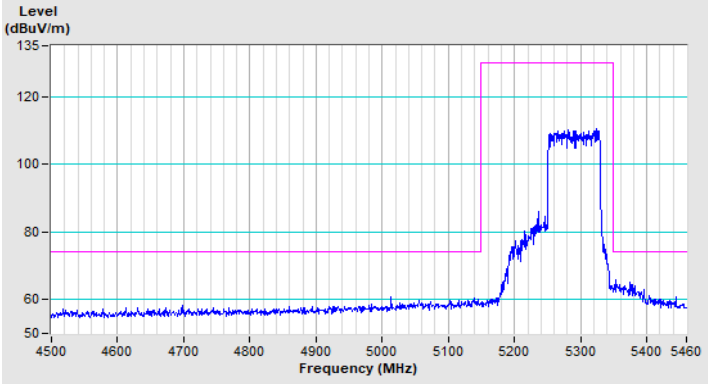
802.11be (EHT80) Channel 58



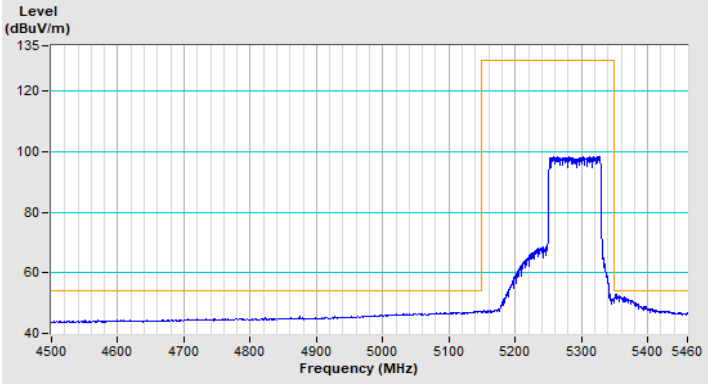
Horizontal (Peak)



Horizontal (Average)



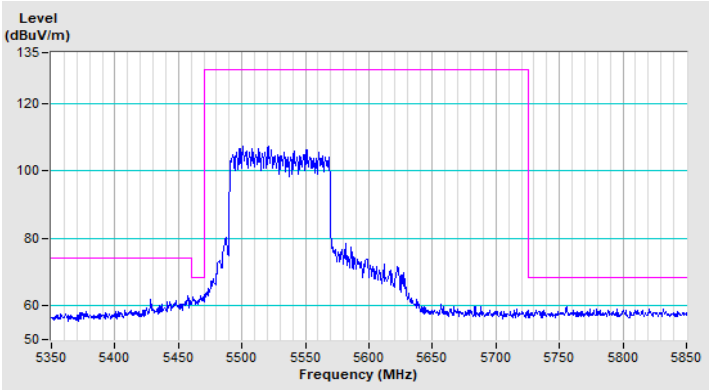
Vertical (Peak)



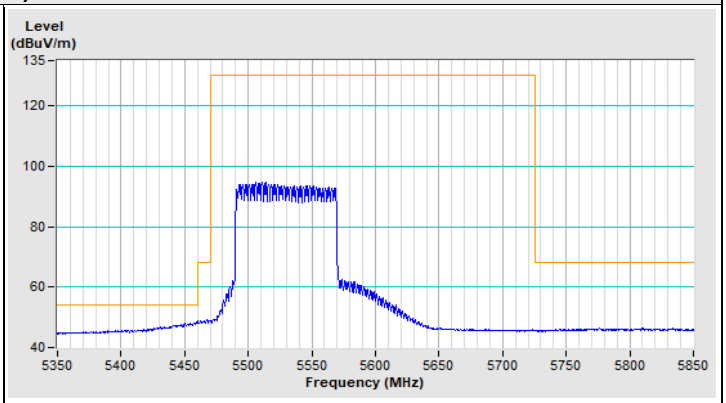
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

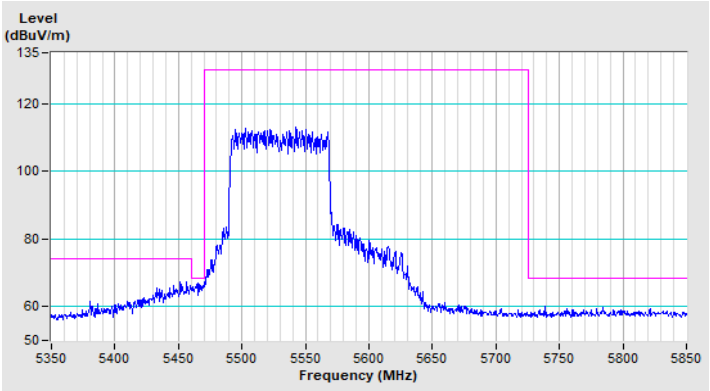
802.11be (EHT80) Channel 106



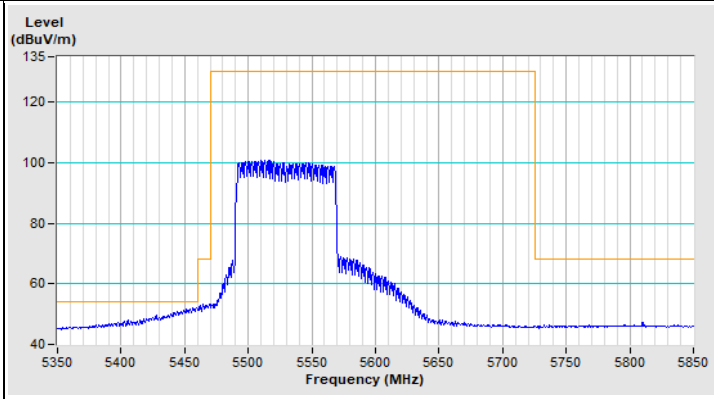
Horizontal (Peak)



Horizontal (Average)

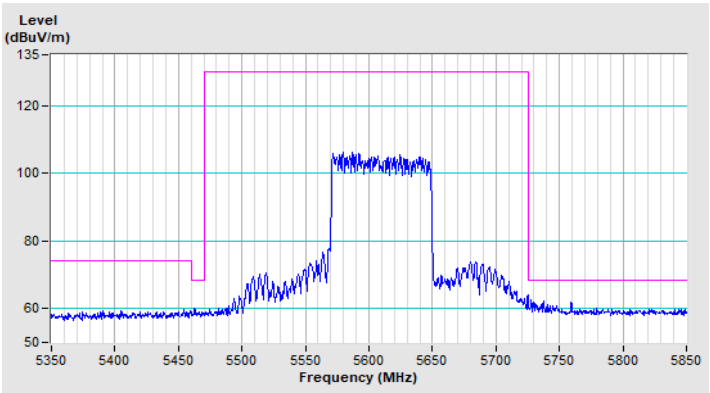


Vertical (Peak)

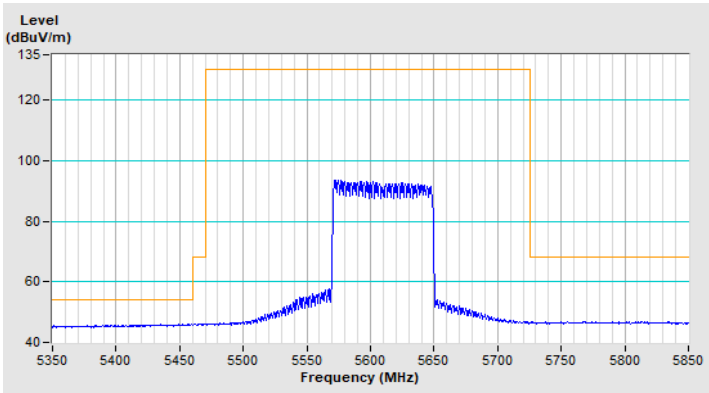


Vertical (Average)

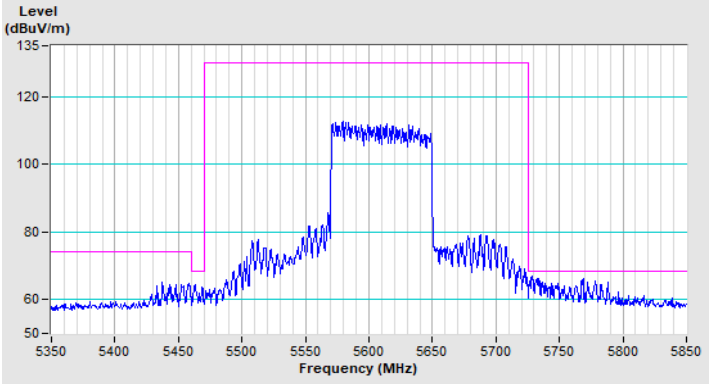
802.11be (EHT80) Channel 122



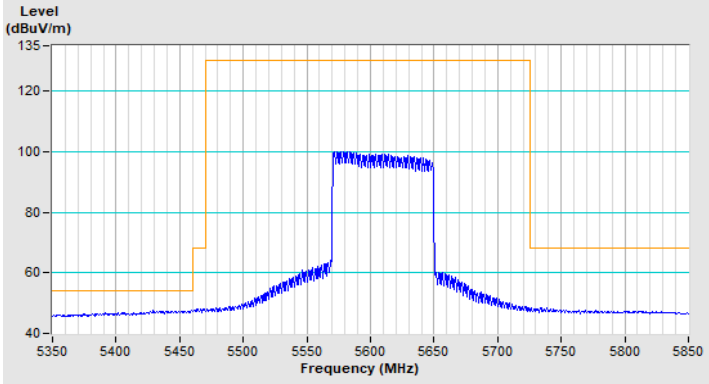
Horizontal (Peak)



Horizontal (Average)



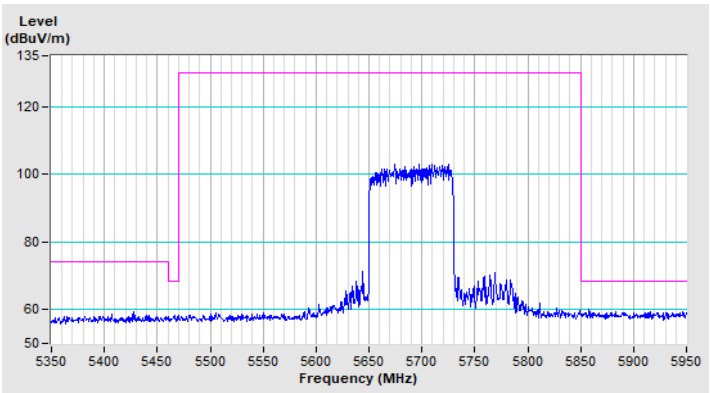
Vertical (Peak)



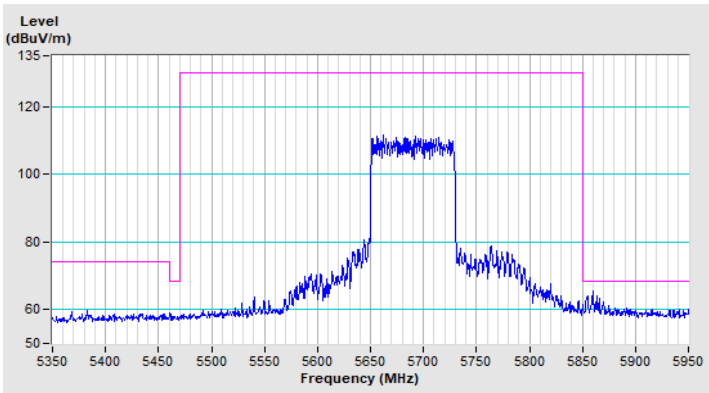
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11be (EHT80) Channel 138



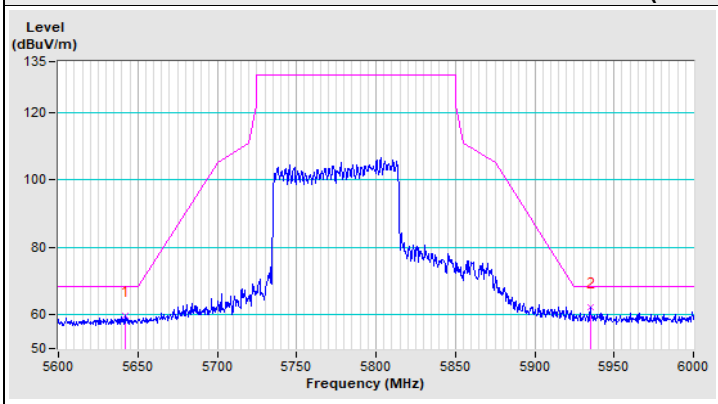
Horizontal (Peak)



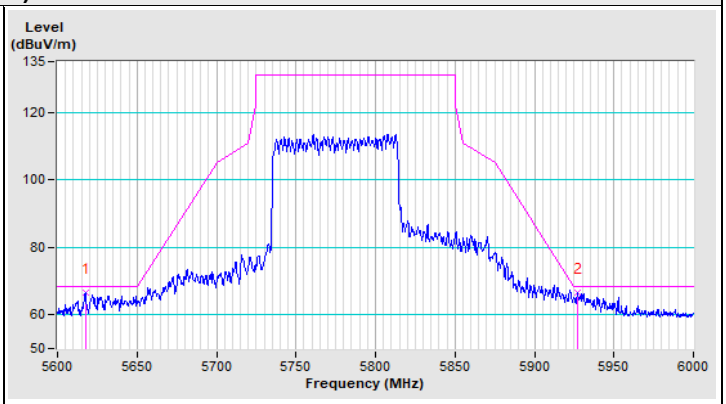
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11be (EHT80) Channel 155



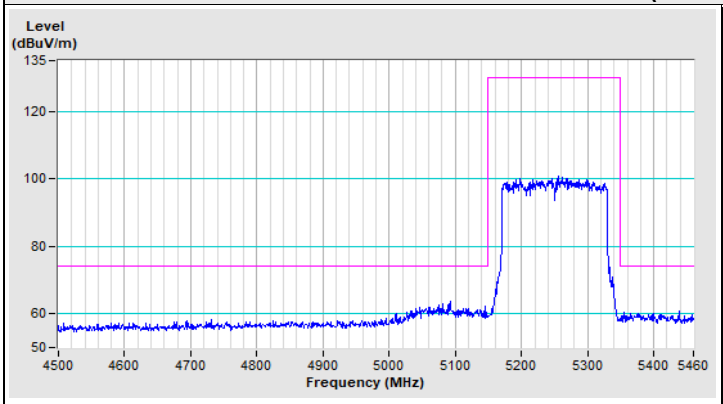
Horizontal (Peak)



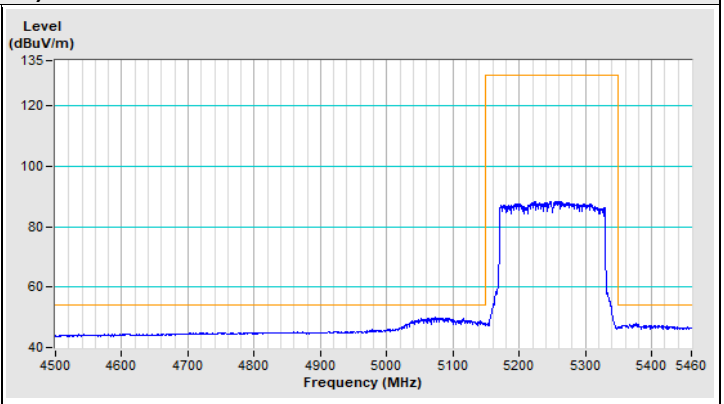
Vertical (Peak)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

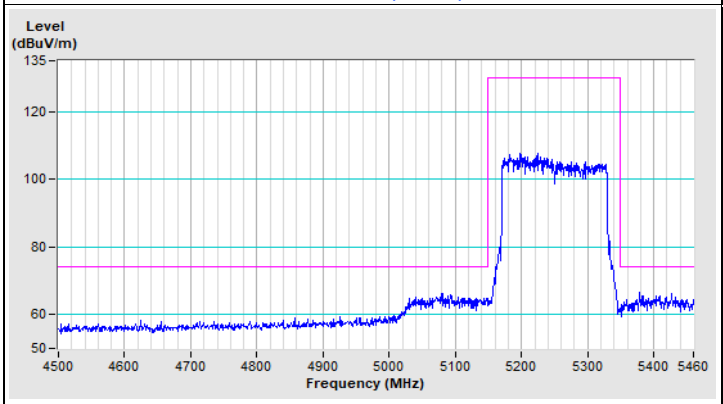
802.11be (EHT160) Channel 50



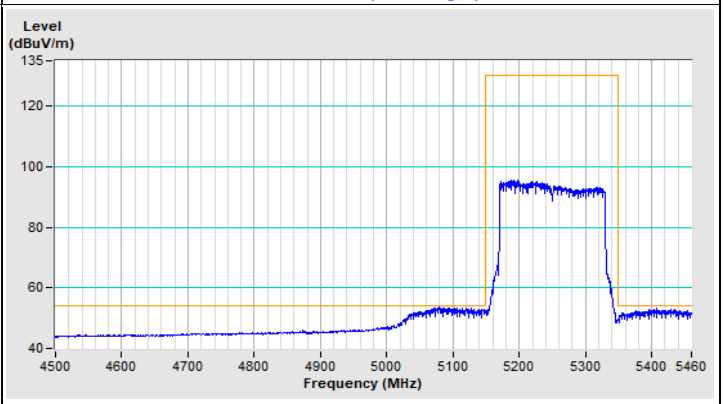
Horizontal (Peak)



Horizontal (Average)



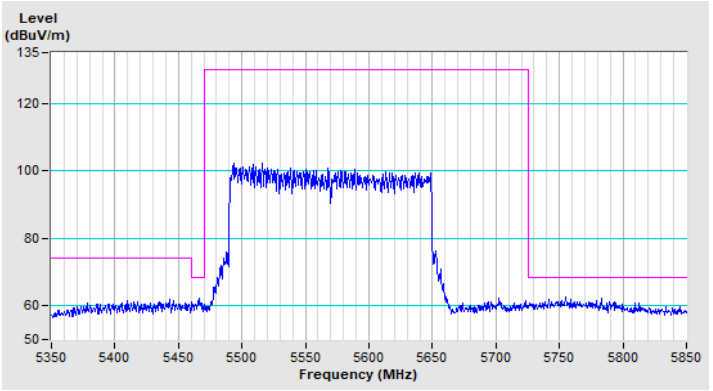
Vertical (Peak)



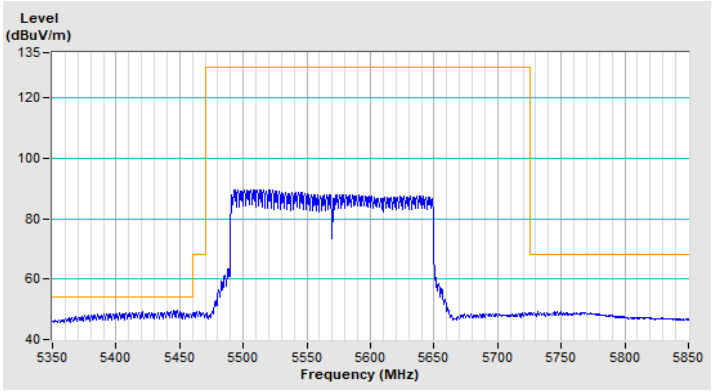
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

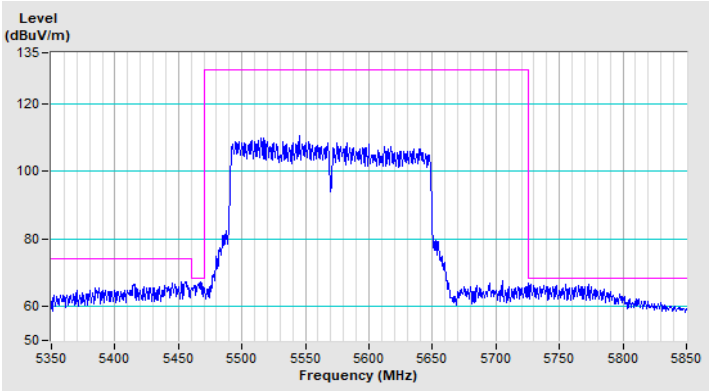
802.11be (EHT160) Channel 114



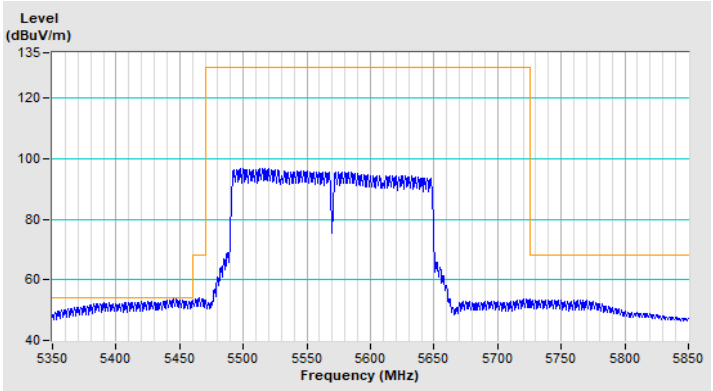
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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