TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBEIH-WTW-P25030743-6
FCC ID:	P27-TMOG5SE
Product:	T-Mobile 5G Gateway
Brand:	T-Mobile
Model No.:	TMO-G5SE
Received Date:	2025/4/1
Test Date:	2025/4/17 ~ 2025/5/27
Issued Date:	2025/6/11
Applicant:	Sercomm Corp.
Address:	8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan, R.O.C.
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location(1):	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location(2):	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
Test Location(3):	No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan
FCC Registration / Designation Number:	Test Location: 198487 / TW2021 for Test Location(1) 788550 / TW0003 for Test Location(2) 281270 / TW0032 for Test Location(3)

Approved by: Jeremy Lin , **Date:** 2025/6/11

Jeremy Lin / Project Engineer

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Prepared by : Annie Chang / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBEIH-WTW-P25030743-6	Original release.	2025/6/11

1 Certificate

Product:	T-Mobile 5G Gateway
Brand:	T-Mobile
Test Model:	TMO-G5SE
Sample Status:	Engineering sample
Applicant:	Sercomm Corp.
Test Date:	2025/4/17 ~ 2025/5/27
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	-	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(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -6.43 dB at 0.41800 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -1.7 dB at 41.64 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 -0.1 dB at 5470.00 MHz and 5725.00 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	-	960 Hz
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	960 Hz
Occupied Bandwidth	-	960 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.90 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3 dB
	30 MHz ~ 1 GHz	2.93 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 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	T-Mobile 5G Gateway
Brand	T-Mobile
Test Model	TMO-G5SE
Status of EUT	Engineering sample
Power Supply Rating	20Vdc, 3.0A, 60W
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 4803.9 Mbps Up to 5764 Mbps (802.11be)
Operating Frequency	5.18 GHz ~ 5.25 GHz, 5.25 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 : 872.244 mW (29.41 dBm) 5.25 GHz ~ 5.32 GHz : 248.206 mW (23.95 dBm) 5.5 GHz ~ 5.72 GHz : 246.218 mW (23.91 dBm) 5.745 GHz ~ 5.825 GHz : 979.707 mW (29.91 dBm)
EUT Category	Indoor Access Point

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Specification
Adapter 1	MASS POWER	PD065E-D1C0AVU	AC Input : 100-240V, 50/60Hz, 1.5A DC Output : 5.0V, 3.0A or 9.0V, 3.0A or 12.0V, 3.0A or 15.0, 3.0A or 20.0V, 3.0A DC Cable : 1.8m non-shielded
Adapter 2	MOSO	P30-V3000R200-060Q0-US	AC Input : 100-240V, 50/60Hz, 1.7A DC Output : 5V, 3A or 9V, 3A or 12V, 3A or 15, 3A or 20V, 3A DC Cable : 1.8m non-shielded
Adapter 3	Sercomm	PU60W200ULW18-ECY-00	AC Input : 100-240V, 50/60Hz, 1.3A DC Output : 5.0V, 3.0A, 15W or 9.0V, 3.0A, 27W or 12.0V, 3.0A, 36W or 15.0, 3.0A, 45W or 20.0V, 3.0A, 60W DC Cable : 1.8m non-shielded

2. Two Bluetooth modules provided to the EUT, please refer to the following table:

No.	Model	Function
1	EFR32BG21A020F512IM32	BT-LE
2	EFR32MG21A020F512IM32	BT-LE, Zigbee, Thread, Matter

3. There are Bluetooth, Zigbee, Thread, Matter, WWAN (WCDMA/LTE/5G NR) and WLAN (2.4 GHz/ 5 GHz/ 6 GHz) technology used for the EUT.

4. Simultaneously transmission combination.

Combination	Technology					
1	WLAN (2.4 GHz)	WLAN (5 GHz)	WLAN (6 GHz)	WWAN	BT-LE (EFR32BG21A020F512IM32)	Zigbee (EFR32MG21A020F512IM32)
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.						

5. Contains Module FCC ID: P27-TMOG5SEM

6. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Function	Antenna Gain (dBi)	Directional Gain (dBi)	Antenna Type	Connector Type
WLAN 5 GHz	4.59	6	Dipole	U.FL

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

* The directional antenna gain information is declared by manufacturer and more detailed features description please refer to operation description of antenna specifications exhibit.

2. The EUT incorporates a MIMO function:

5 GHz Band			
Modulation Mode	Beamforming Mode	TX & RX Configuration	
802.11a	Not Support	4TX	4RX
802.11n (HT20)	Support	4TX	4RX
802.11n (HT40)	Support	4TX	4RX
802.11ac (VHT20)	Support	4TX	4RX
802.11ac (VHT40)	Support	4TX	4RX
802.11ac (VHT80)	Support	4TX	4RX
802.11ac (VHT160)	Support	4TX	4RX
802.11ax (HE20)	Support	4TX	4RX
802.11ax (HE40)	Support	4TX	4RX
802.11ax (HE80)	Support	4TX	4RX
802.11ax (HE160)	Support	4TX	4RX
802.11be (EHT20)	Support	4TX	4RX
802.11be (EHT40)	Support	4TX	4RX
802.11be (EHT80)	Support	4TX	4RX
802.11be (EHT160)	Support	4TX	4RX

Note:
1. All of modulation mode support beamforming function except 802.11a modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. 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 investigated worst case is the representative mode in test report.
4. The EUT device modulation technique OFDMA does not support partial RUs (resource units) and channel puncturing/bandwidth reduction mechanisms.

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 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:	1. EUT has PD065E-D1C0AVU/ P30-V3000R200-060Q0-US/ PU60W200ULW18-ECY-00 adpter mode of power supply.Pre-scan these modes and find the worst charging case as a representative test condition.
Worst Case:	1. PD065E-D1C0AVU/ P30-V3000R200-060Q0-US/ PU60W200ULW18-ECY-00 adapter worse condition: PD065E-D1C0AVU.

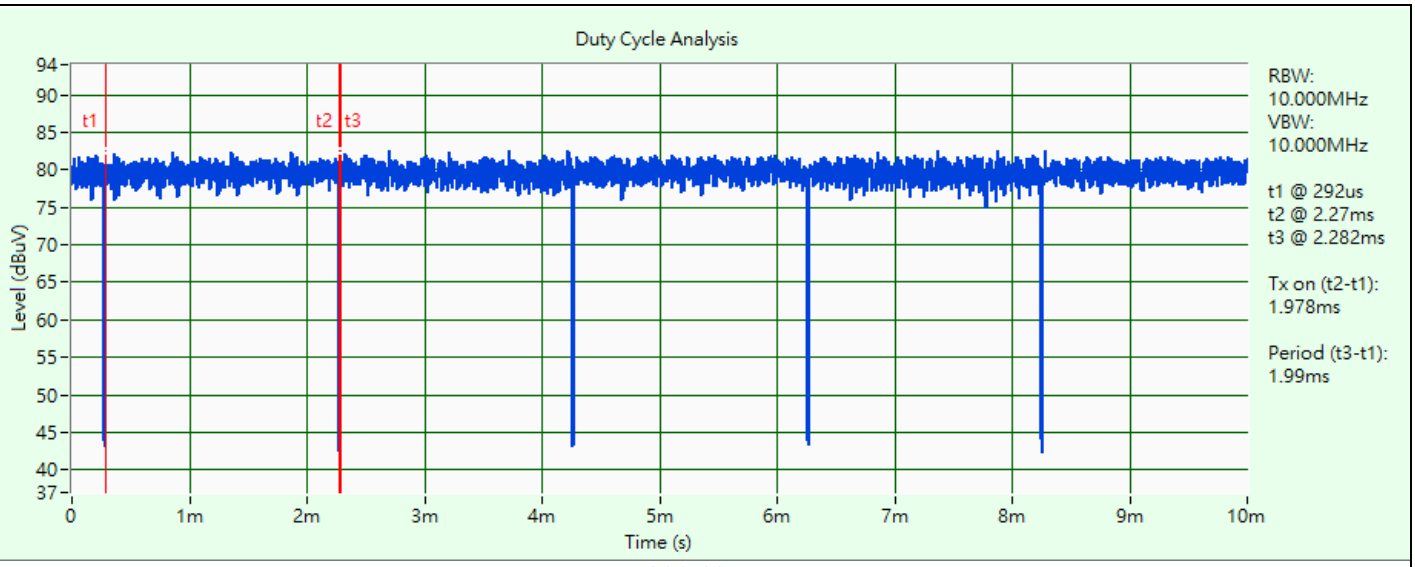
Following channel(s) was (were) selected for the final test as listed below:

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

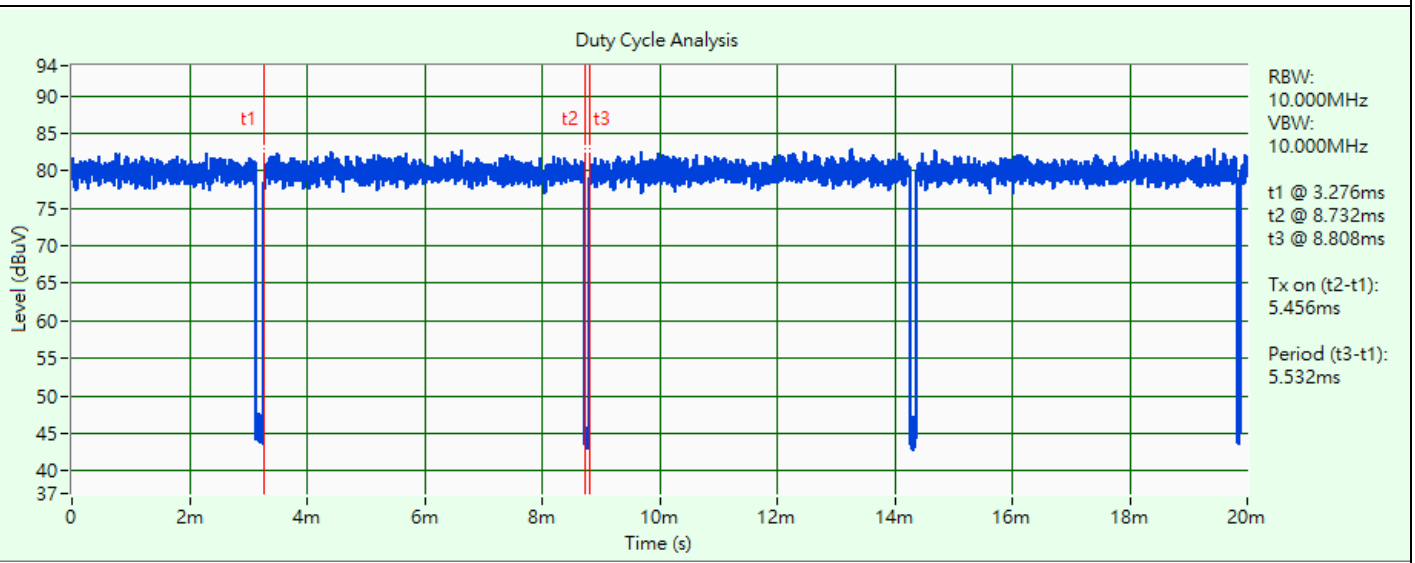
Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
	802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
AC Power Conducted Emissions	802.11be (EHT20)	CDD	157	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11be (EHT20)	CDD	157	BPSK	MCS0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

3.5 Duty Cycle of Test Signal

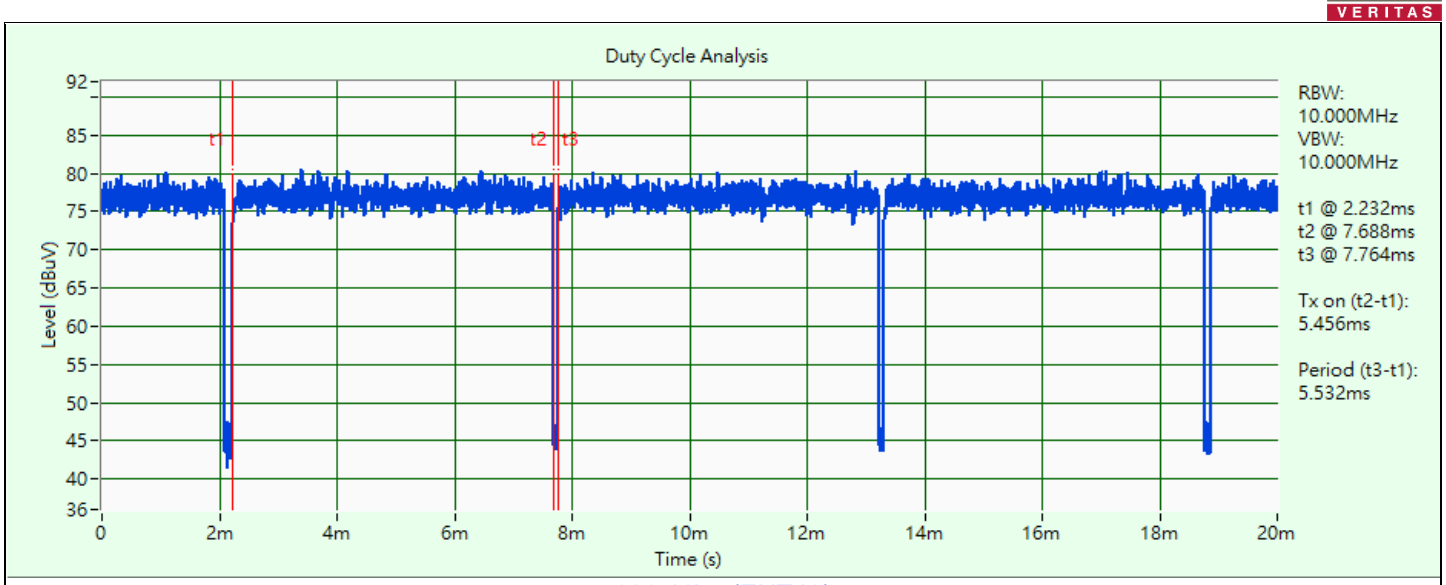
802.11a: Duty cycle = 1.978 ms / 1.99 ms x 100% = 99.4%
802.11be (EHT20): Duty cycle = 5.456 ms / 5.532 ms x 100% = 98.6%
802.11be (EHT40): Duty cycle = 5.456 ms / 5.532 ms x 100% = 98.6%
802.11be (EHT80): Duty cycle = 5.456 ms / 5.557 ms x 100% = 98.2%
802.11be (EHT160): Duty cycle = 5.46 ms / 5.544 ms x 100% = 98.5%



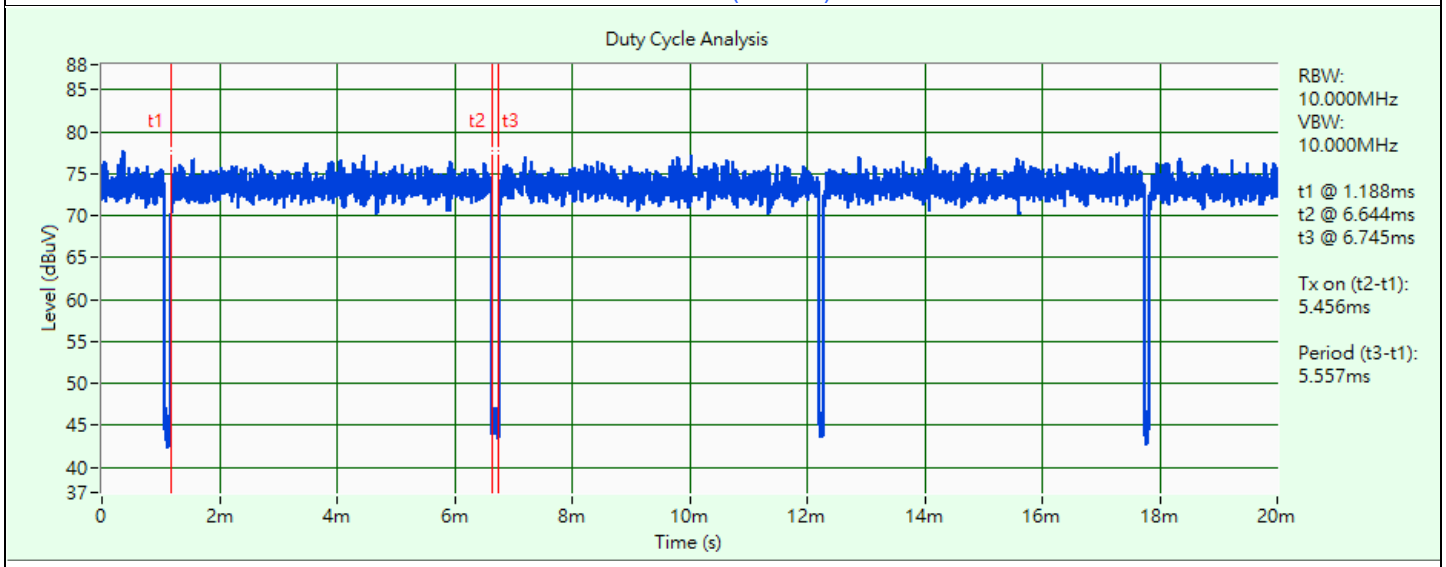
802.11a



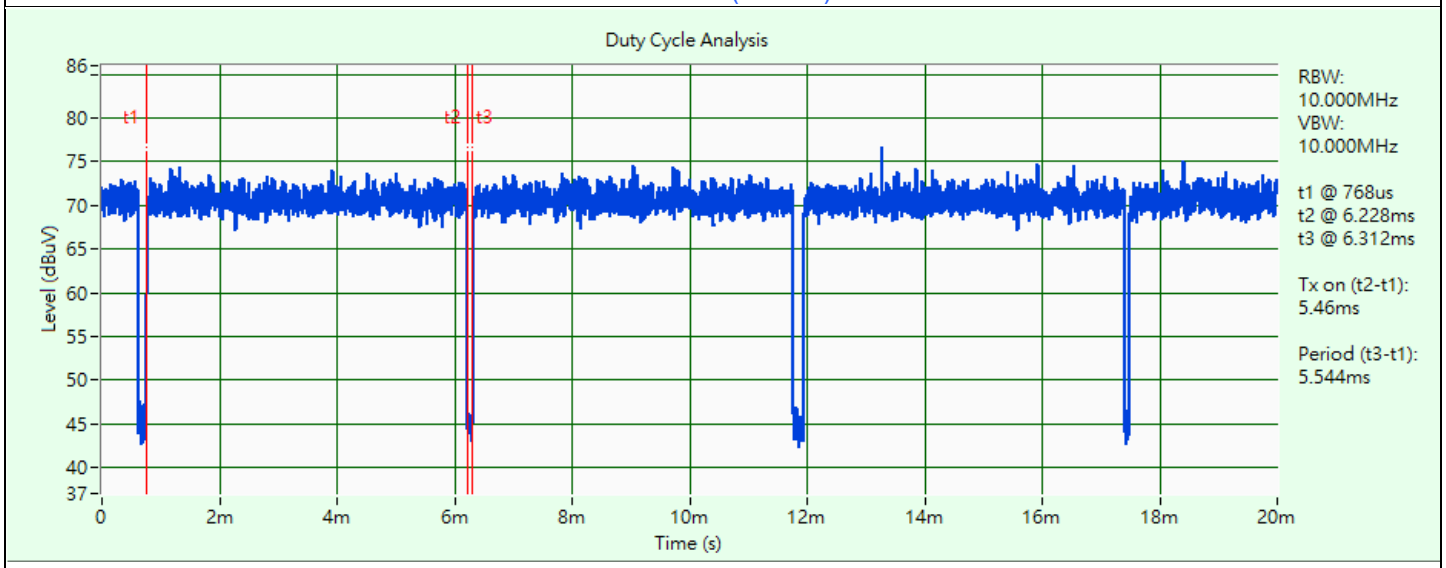
802.11be (EHT20)



802.11be (EHT40)



802.11be (EHT80)

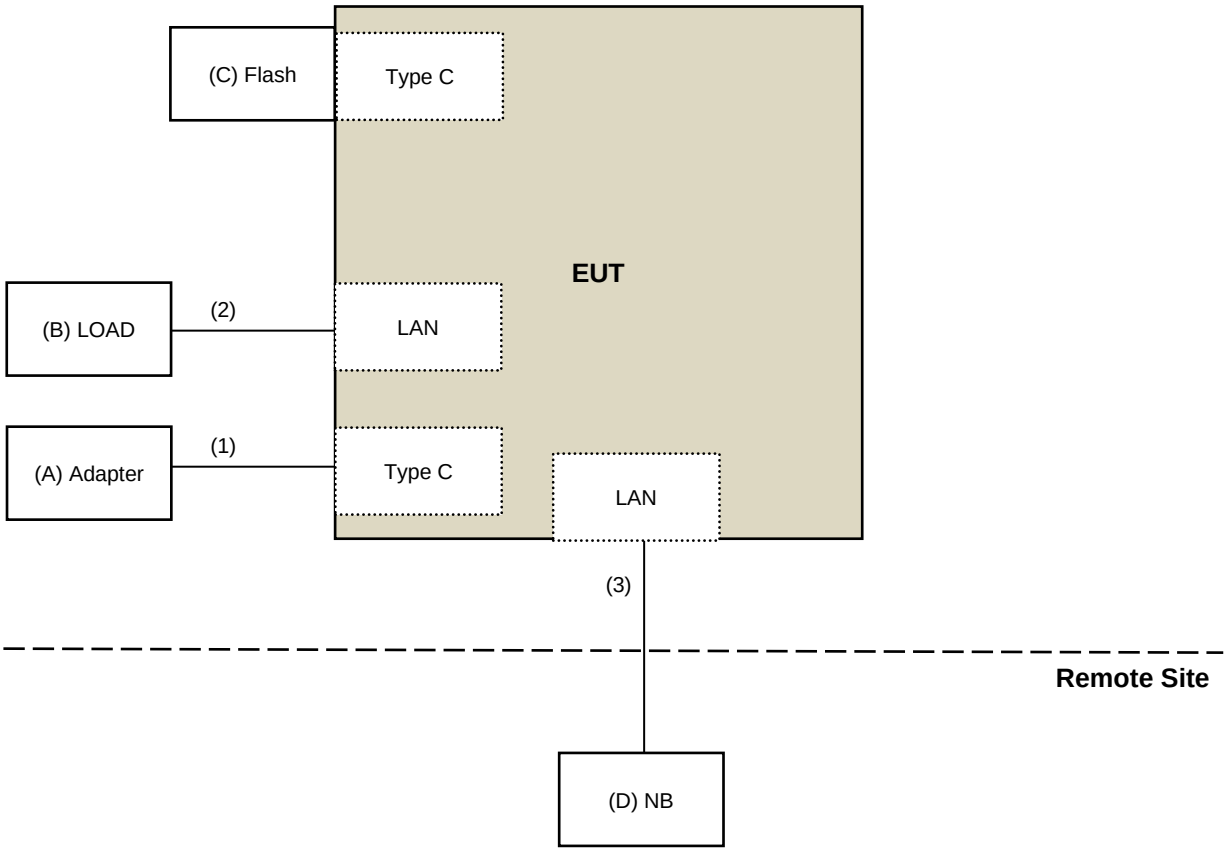


802.11be (EHT160)

3.6 Test Program Used and Operation Descriptions

Controlling software (QSPR v6.00.00209.1) 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	Adapter	MASSPOWER	PD065E-D1C0AVU	N/A	N/A	Supplied by applicant
B	LOAD	BV	BV	N/A	N/A	Provided by Lab
C	Flash	SanDisk	32GB	N/A	N/A	Provided by Lab
D	NB	Lenovo	IdeaPad 5 15ITL05	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC cable	1	1.8	N	0	Supplied by applicant
2	LAN cable	1	1.8	N	0	Provided by Lab
3	LAN cable	1	10	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
Fixed Attenuator Solvang Technology	STI02-3310-10	STI02-3310-10_013	2024/6/19	2025/6/18
PXA Signal Analyzer Keysight	N9030A	MY54490260	2024/7/17	2025/7/16
Signal Analyzer R&S	FSV40	101042	2024/9/12	2025/9/11
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2025/5/12

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Solvang Technology	STI02-3310-10	STI02-3310-10_013	2024/6/19	2025/6/18
Pulse Power Sensor Anritsu	MA2411B	1339443	2024/5/24	2025/5/23
PXA Signal Analyzer Keysight	N9030A	MY54490260	2024/7/17	2025/7/16
RF Power Meter Anritsu	ML2495A	1529002	2024/6/7	2025/6/6
Signal Analyzer R&S	FSV40	101042	2024/9/12	2025/9/11
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
USB Wideband Power Sensor Keysight	U2021XA	U2021XA_001	2024/6/7	2025/6/6

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2025/5/12

4.3 Power Spectral Density

Refer to section 4.1 to get the tested date and information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get the tested date and information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get the tested date and information of the instruments.

4.6 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	E1-011279	04	2024/11/28	2025/11/27
	E1-011280	05	2024/11/28	2025/11/27
	E1-011311	09	2024/11/28	2025/11/27
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2024/11/5	2025/11/4
EMI Test Receiver R&S	ESCI	100613	2024/11/25	2025/11/24
Fixed Attenuator Mini-Circuits	HAT-10+	PAD-COND1-01	2025/1/5	2026/1/4
LISN R&S	ENV216	101826	2025/3/24	2026/3/23
	ESH3-Z5	100311	2024/9/5	2025/9/4
RF Coaxial Cable Woken	5D-FB	Cable-cond1-01	2025/1/5	2026/1/4
Software BVADT	BVADT_Cond_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2024/8/28	2025/8/27

Notes:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2025/4/18

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFA-515BSN	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-1214	2024/10/15	2025/10/14
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
Loop Antenna TESEQ	HLA 6121	45745	2024/8/21	2025/8/20
MXE EMI Receiver Agilent	N9038A	MY52260177	2024/9/19	2025/9/18
Preamplifier EMCI	EMC330N	980798	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201248	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-3000	201249	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-9000	201251(with PAD)	2025/1/14	2026/1/13
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	MF-7802BS	MF780208676	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 9.
2. Tested Date: 2025/5/6

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFA-515BSN	N/A	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
Horn Antenna RFSPIN	DRH18-E	210104A18E	2024/11/10	2025/11/9
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2024/11/10	2025/11/9
MXE EMI Receiver Agilent	N9038A	MY52260177	2024/9/19	2025/9/18
Preamplifier Agilent	83017A	MY39501357	2024/6/12	2025/6/11
Preamplifier EMCI	EMC184045SE	980788	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2025/1/14	2026/1/13
	EMC101G-KM-KM-3000	201258	2025/1/14	2026/1/13
	EMC101G-KM-KM-5000	201261	2025/1/14	2026/1/13
	EMC104-SM-SM-1000	210103	2025/1/14	2026/1/13
	EMC104-SM-SM-3000	201241	2025/1/14	2026/1/13
	EMC104-SM-SM-9000	201244	2025/1/14	2026/1/13
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	MF-7802BS	MF780208676	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 9.
2. Tested Date: 2025/4/17 ~ 2025/5/27

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 Points	1 Watt (30 dBm)
	Indoor Access Point	1 Watt (30 dBm)
	Client devices	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 Points	
	Indoor Access Point	
	Client devices	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 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.

5.7 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).

5.8 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.		

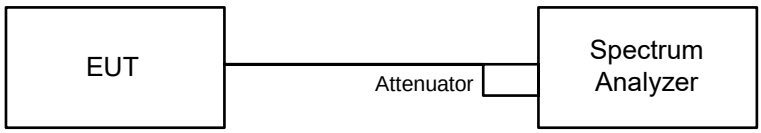
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup



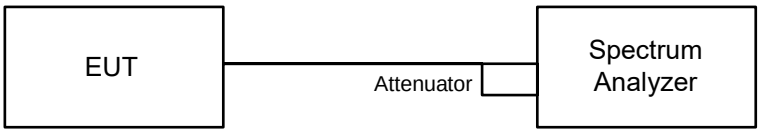
6.1.2 Test Procedure

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:

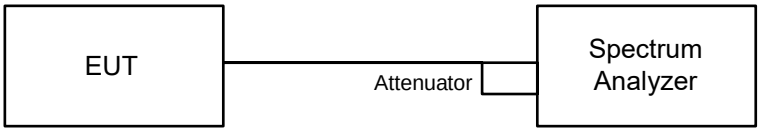
Method SA-1

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

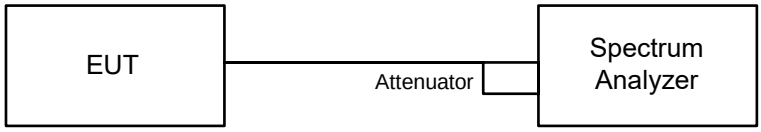
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger 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

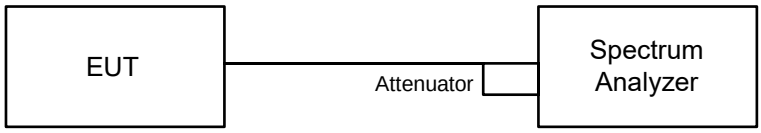


6.4.2 Test Procedure

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

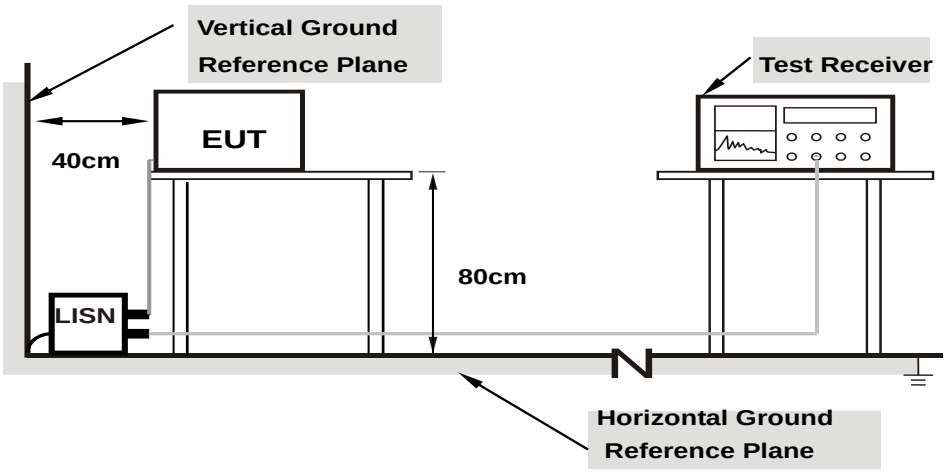


6.5.2 Test Procedure

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 AC Power Conducted Emissions

6.6.1 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).

6.6.2 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.

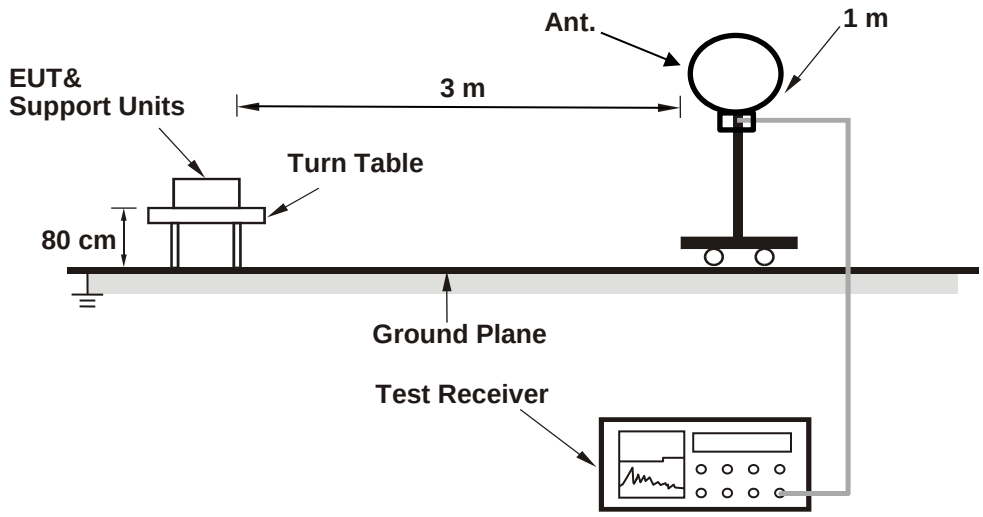
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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.

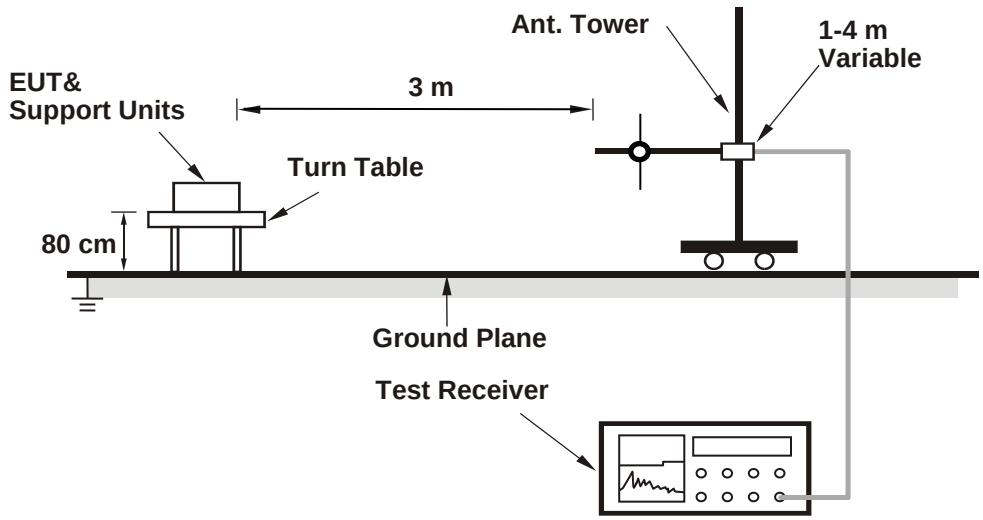
6.7 Unwanted Emissions below 1 GHz

6.7.1 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).

6.7.2 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.

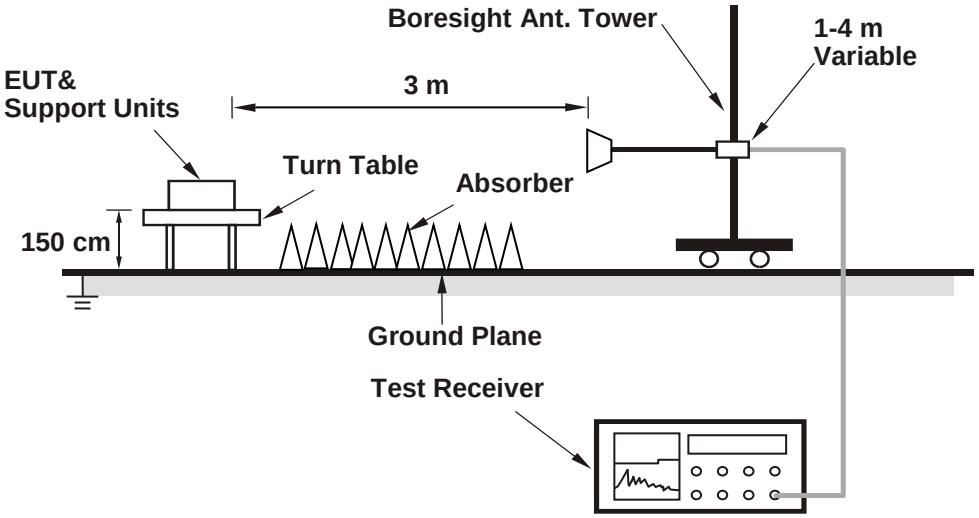
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

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.

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 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, 76% RH	Tested By:	Waydi Tuan

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	22.50	22.76	22.35	22.50
60	5300	22.61	22.34	22.40	22.35
64	5320	22.70	22.46	22.41	22.56
100	5500	22.63	22.85	22.36	22.55
116	5580	22.56	22.37	22.36	22.55
140	5700	22.69	22.66	22.40	22.64
144 (U-NII-2C)	5720	16.17	16.15	16.22	16.24
144 (U-NII-3)	5720	6.37	6.29	6.14	6.32

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	22.35	24.49	>	24
60	5300	22.34	24.49	>	24
64	5320	22.41	24.5	>	24
100	5500	22.36	24.49	>	24
116	5580	22.36	24.49	>	24
140	5700	22.40	24.5	>	24
144 (U-NII-2C)	5720	16.15	23.08	<	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	Chain 2	Chain 3
52	5260	22.73	22.82	23.02	23.49
60	5300	23.27	23.10	23.33	23.41
64	5320	22.49	23.11	23.32	23.64
100	5500	22.97	23.01	23.53	23.38
116	5580	23.11	22.93	22.96	22.90
140	5700	22.70	22.91	23.26	23.00
144 (U-NII-2C)	5720	16.48	16.51	16.55	16.42
144 (U-NII-3)	5720	6.52	6.49	6.64	7.02

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	22.73	24.56	>	24
60	5300	23.10	24.63	>	24
64	5320	22.49	24.51	>	24
100	5500	22.97	24.61	>	24
116	5580	22.90	24.59	>	24
140	5700	22.70	24.56	>	24
144 (U-NII-2C)	5720	16.42	23.15	<	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	Chain 2	Chain 3
54	5270	44.94	44.85	45.58	44.50
62	5310	44.28	45.12	43.82	44.76
102	5510	44.34	44.19	44.56	44.13
110	5550	44.61	45.05	44.39	44.40
134	5670	44.84	44.32	44.97	44.33
142 (U-NII-2C)	5710	37.27	37.64	37.55	37.30
142 (U-NII-3)	5710	7.53	7.51	7.17	7.57

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	44.50	27.48	>	24
62	5310	43.82	27.41	>	24
102	5510	44.13	27.44	>	24
110	5550	44.39	27.47	>	24
134	5670	44.32	27.46	>	24
142 (U-NII-2C)	5710	37.27	26.71	>	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	Chain 2	Chain 3
58	5290	91.46	88.77	92.07	90.09
106	5530	90.44	90.05	89.75	90.91
122	5610	92.31	90.50	89.54	88.94
138 (U-NII-2C)	5690	80.99	79.42	80.80	80.43
138 (U-NII-3)	5690	10.82	10.36	10.62	10.49

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	88.77	30.48	>	24
106	5530	89.75	30.53	>	24
122	5610	88.94	30.49	>	24
138 (U-NII-2C)	5690	79.42	29.99	>	24

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

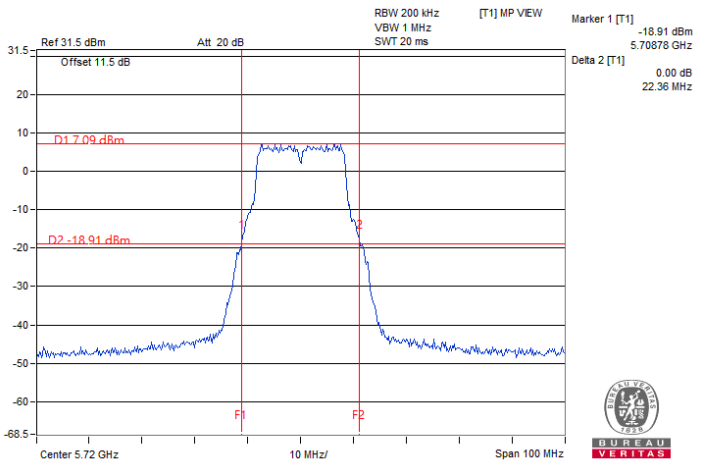
802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
50 (U-NII-1)	5250	86.38	86.95	86.95	87.26
50 (U-NII-2A)	5250	89.47	87.81	88.71	89.39
114	5570	176.04	173.63	174.83	177.28

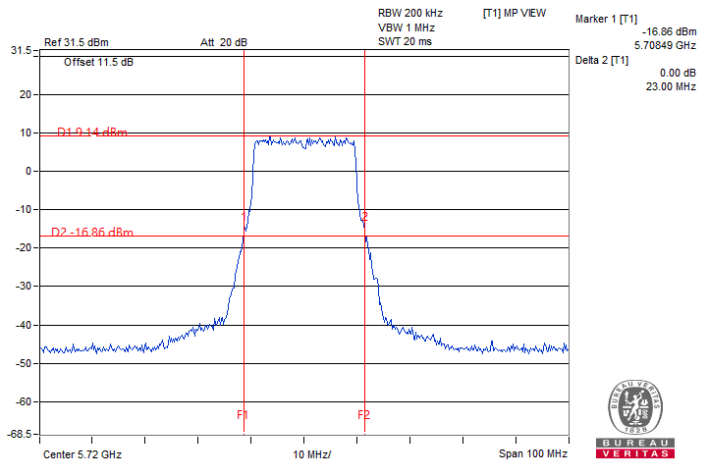
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	87.81	30.43	>	24
114	5570	173.63	33.39	>	24

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

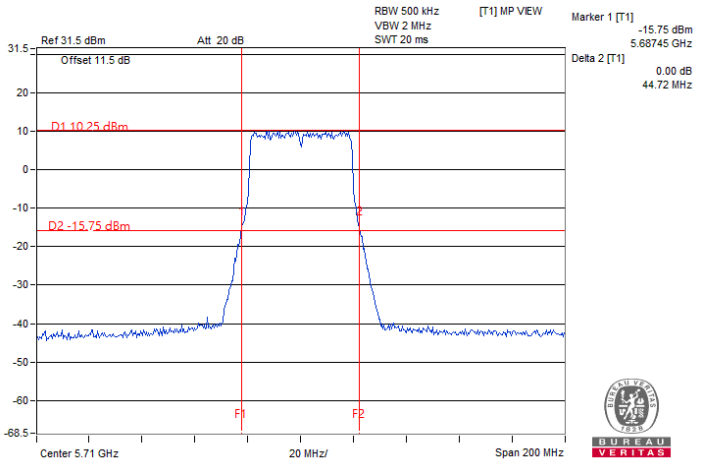
Spectrum Plot of Minimum Value



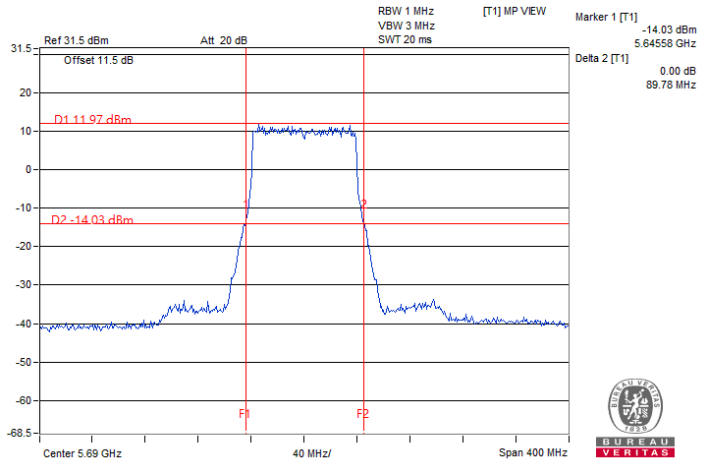
802.11a / Chain 2 : CH 144 (U-NII-3)



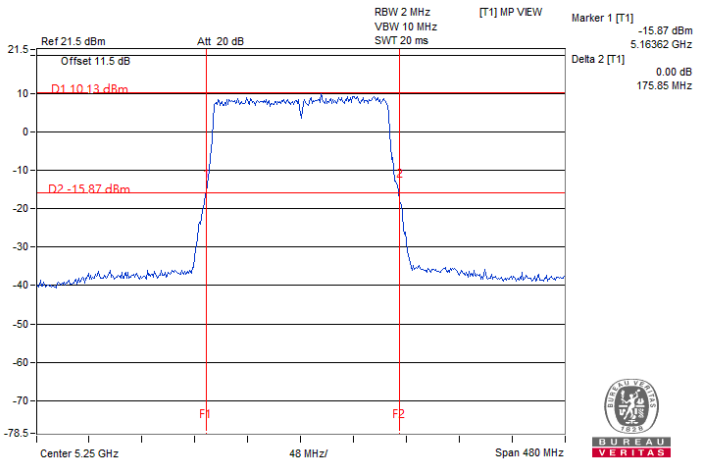
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



802.11be (EHT40) / Chain 2 : CH 142 (U-NII-3)



802.11be (EHT80) / Chain 1 : 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, 76% RH	Tested By:	Waydi Tuan

802.11a CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	22.46	22.66	22.54	22.60	722.143	28.59	30	Pass
40	5200	23.12	23.37	23.08	23.18	833.592	29.21	30	Pass
48	5240	22.91	22.93	23.03	23.01	792.665	28.99	30	Pass
52	5260	17.88	18.20	17.74	17.72	246.031	23.91	24	Pass
60	5300	17.64	17.77	17.36	17.55	229.253	23.60	24	Pass
64	5320	17.46	17.88	17.45	17.72	231.841	23.65	24	Pass
100	5500	17.34	17.56	17.45	17.35	221.132	23.45	24	Pass
116	5580	18.07	18.06	17.64	17.52	242.665	23.85	24	Pass
140	5700	17.61	18.00	17.39	17.58	232.88	23.67	24	Pass
*144 (U-NII-2C)	5720	16.68	17.34	16.51	16.51	190.301	22.79	23.08	Pass
*144 (U-NII-3)	5720	10.90	11.51	10.56	10.60	49.318	16.93	30	Pass
149	5745	23.65	23.56	23.52	23.68	916.977	29.62	30	Pass
157	5785	23.83	23.62	23.73	23.89	952.644	29.79	30	Pass
165	5825	23.55	23.50	23.27	23.45	883.97	29.46	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 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	22.11	22.37	22.10	22.34	668.715	28.25	30	Pass
40	5200	22.76	23.07	22.81	22.88	776.641	28.90	30	Pass
48	5240	22.35	22.46	22.53	22.43	702.034	28.46	30	Pass
52	5260	17.48	17.17	17.62	17.75	225.471	23.53	24	Pass
60	5300	17.53	17.43	17.93	17.47	229.893	23.62	24	Pass
64	5320	18.02	17.61	18.18	17.88	248.206	23.95	24	Pass
100	5500	17.37	17.03	17.85	17.92	227.94	23.58	24	Pass
116	5580	17.41	17.44	17.97	17.82	233.739	23.69	24	Pass
140	5700	17.66	17.13	17.86	17.71	230.1	23.62	24	Pass
*144 (U-NII-2C)	5720	15.88	16.31	15.58	15.52	153.268	21.85	23.15	Pass
*144 (U-NII-3)	5720	11.04	11.77	10.69	10.63	51.02	17.08	30	Pass
149	5745	23.75	23.66	23.64	23.77	938.849	29.73	30	Pass
157	5785	23.96	23.84	23.83	23.93	979.707	29.91	30	Pass
165	5825	23.30	23.22	23.11	23.21	837.746	29.23	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 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	22.17	22.37	22.17	22.31	672.432	28.28	30	Pass
46	5230	23.31	23.52	23.33	23.38	872.244	29.41	30	Pass
54	5270	17.93	17.72	17.95	17.98	246.422	23.92	24	Pass
62	5310	17.64	17.65	17.98	17.85	240.046	23.80	24	Pass
102	5510	17.36	17.28	17.70	17.89	228.309	23.59	24	Pass
110	5550	17.25	17.51	17.79	17.65	227.78	23.58	24	Pass
134	5670	17.83	17.36	18.00	17.93	240.307	23.81	24	Pass
*142 (U-NII-2C)	5710	16.67	16.92	16.19	16.53	182.225	22.61	24	Pass
*142 (U-NII-3)	5710	7.56	7.89	7.07	7.36	22.392	13.50	30	Pass
151	5755	23.89	23.70	23.85	23.84	964.093	29.84	30	Pass
159	5795	23.75	23.46	23.57	23.72	921.972	29.65	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 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	21.24	21.38	21.35	21.48	547.513	27.38	30	Pass
58	5290	17.93	17.46	18.17	17.95	245.793	23.91	24	Pass
106	5530	17.24	17.17	17.80	17.85	226.295	23.55	24	Pass
122	5610	17.32	17.38	17.86	17.80	230.003	23.62	24	Pass
*138 (U-NII-2C)	5690	17.10	17.36	16.66	16.99	202.085	23.06	24	Pass
*138 (U-NII-3)	5690	4.12	4.50	4.15	3.99	10.507	10.21	30	Pass
155	5775	22.17	22.14	22.12	22.25	659.308	28.19	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 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	12.12	12.16	13.07	13.08	73.337	18.65	30	Pass
*50 (U-NII-2A)	5250	12.58	12.70	13.52	13.50	81.612	19.12	24	Pass
114	5570	17.85	17.66	18.03	18.02	246.218	23.91	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 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.59 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	22.06	22.31	22.05	22.20	657.193	28.18	30	Pass
40	5200	22.61	22.92	22.74	22.80	756.752	28.79	30	Pass
48	5240	22.20	22.36	22.43	22.30	682.955	28.34	30	Pass
52	5260	17.38	17.04	17.47	17.69	219.88	23.42	24	Pass
60	5300	17.45	17.28	17.79	17.35	223.489	23.49	24	Pass
64	5320	17.89	17.47	18.07	17.77	241.327	23.83	24	Pass
100	5500	17.31	16.98	17.71	17.83	223.409	23.49	24	Pass
116	5580	17.28	17.34	17.82	17.71	227.211	23.56	24	Pass
140	5700	17.55	16.98	17.76	17.59	223.889	23.50	24	Pass
*144 (U-NII-2C)	5720	15.68	16.23	15.47	15.44	149.19	21.74	24	Pass
*144 (U-NII-3)	5720	10.98	11.58	10.59	10.54	49.699	16.96	30	Pass
149	5745	23.69	23.52	23.53	23.69	918.097	29.63	30	Pass
157	5785	23.88	23.69	23.70	23.79	951.981	29.79	30	Pass
165	5825	23.15	23.10	23.06	23.15	819.552	29.14	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. The directional antenna gain information is declared by manufacturer.
3. For U-NII-1, the directional gain is 6 dBi <= 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi <= 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi <= 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi <= 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	22.03	22.32	22.02	22.25	657.297	28.18	30	Pass
46	5230	23.19	23.44	23.24	23.24	850.975	29.30	30	Pass
54	5270	17.80	17.61	17.86	17.87	240.262	23.81	24	Pass
62	5310	17.50	17.59	17.84	17.75	234.025	23.69	24	Pass
102	5510	17.27	17.15	17.57	17.74	221.791	23.46	24	Pass
110	5550	17.18	17.42	17.68	17.59	223.473	23.49	24	Pass
134	5670	17.68	17.25	17.92	17.82	234.18	23.70	24	Pass
*142 (U-NII-2C)	5710	16.57	16.85	16.11	16.48	179.106	22.53	24	Pass
*142 (U-NII-3)	5710	7.48	7.79	7.02	7.29	22.002	13.42	30	Pass
151	5755	23.84	23.55	23.74	23.76	942.843	29.74	30	Pass
159	5795	23.69	23.34	23.48	23.59	901.062	29.55	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. The directional antenna gain information is declared by manufacturer.
3. For U-NII-1, the directional gain is 6 dBi <= 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi <= 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi <= 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi <= 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	21.12	21.26	21.28	21.36	534.129	27.28	30	Pass
58	5290	17.88	17.32	18.04	17.85	239.961	23.80	24	Pass
106	5530	17.09	17.08	17.75	17.77	221.626	23.46	24	Pass
122	5610	17.17	17.27	17.80	17.73	225.001	23.52	24	Pass
*138 (U-NII-2C)	5690	17.02	17.30	16.56	16.94	198.774	22.98	24	Pass
*138 (U-NII-3)	5690	3.98	4.44	4.10	3.85	10.277	10.12	30	Pass
155	5775	22.03	22.08	22.07	22.14	645.77	28.10	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. The directional antenna gain information is declared by manufacturer.
3. For U-NII-1, the directional gain is 6 dBi <= 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi <= 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi <= 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 6 dBi <= 6 dBi, so the output power limit shall not be reduced.

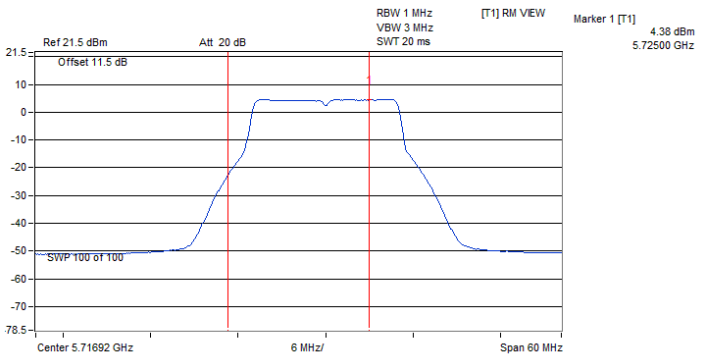
802.11be (EHT160) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	12.02	12.07	13.00	12.95	71.705	18.56	30	Pass
*50 (U-NII-2A)	5250	12.50	12.62	13.39	13.45	80.022	19.03	24	Pass
114	5570	17.80	17.59	17.92	17.90	241.271	23.83	24	Pass

Notes:

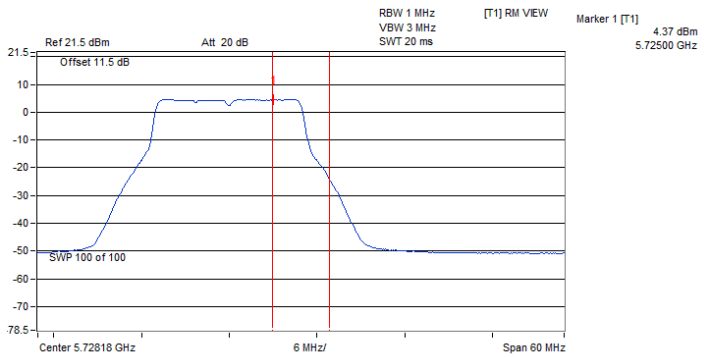
1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
2. The directional antenna gain information is declared by manufacturer.
3. For U-NII-1, the directional gain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

Spectrum Plot for channel straddling



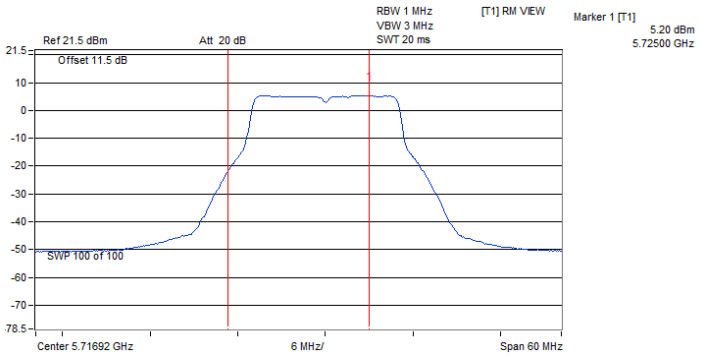
TX Channel Bandwidth 16.17 MHz Power 16.68 dBm

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



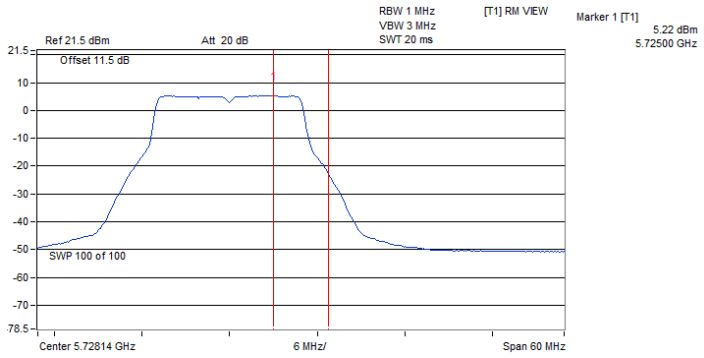
TX Channel Bandwidth 6.37 MHz Power 10.9 dBm

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



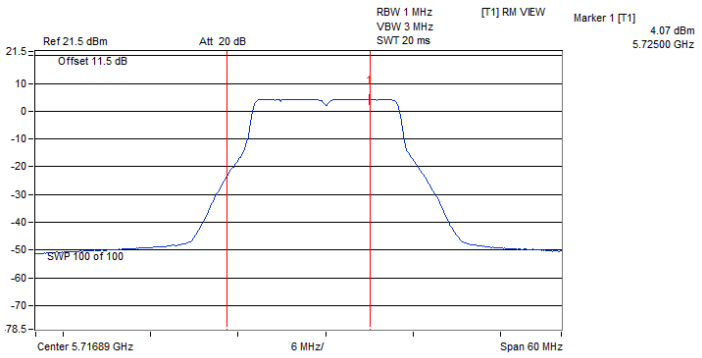
TX Channel Bandwidth 16.15 MHz Power 17.34 dBm

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



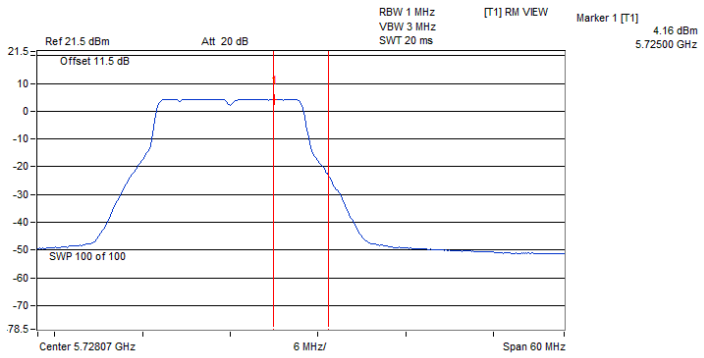
TX Channel Bandwidth 6.29 MHz Power 11.51 dBm

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



TX Channel Bandwidth 16.22 MHz Power 16.51 dBm

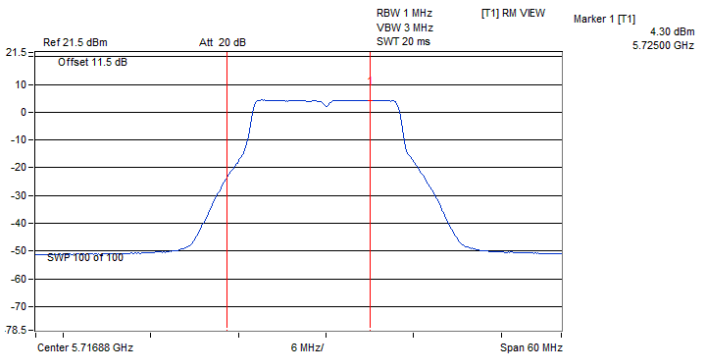
802.11a CDD / Chain 2 : CH 144 (U-NII-2C)



TX Channel Bandwidth 6.14 MHz Power 10.56 dBm

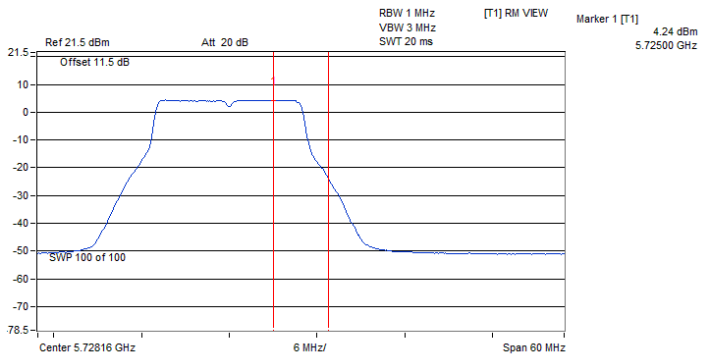
802.11a CDD / Chain 2 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



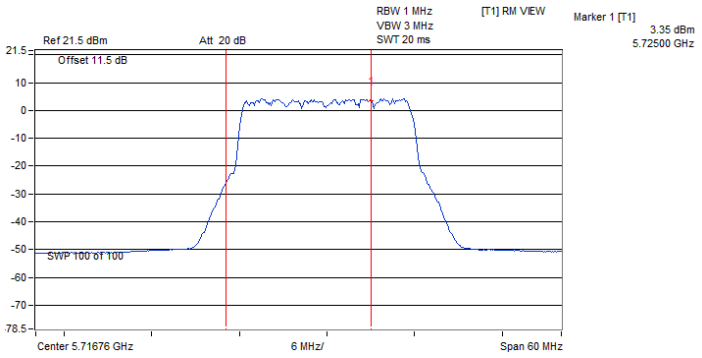
TX Channel Bandwidth 16.24 MHz Power 16.51 dBm

802.11a CDD / Chain 3 : CH 144 (U-NII-2C)



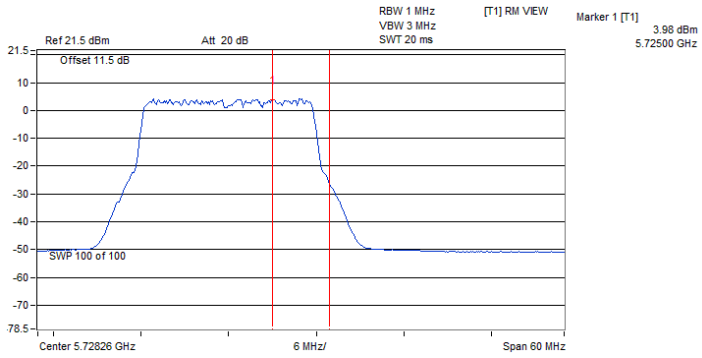
TX Channel Bandwidth 6.32 MHz Power 10.6 dBm

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



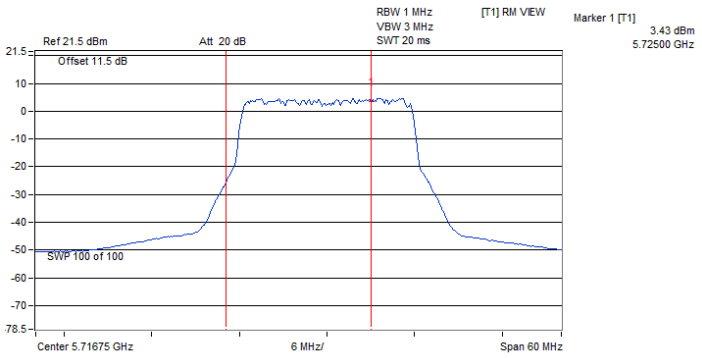
TX Channel Bandwidth 16.48 MHz Power 15.88 dBm

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



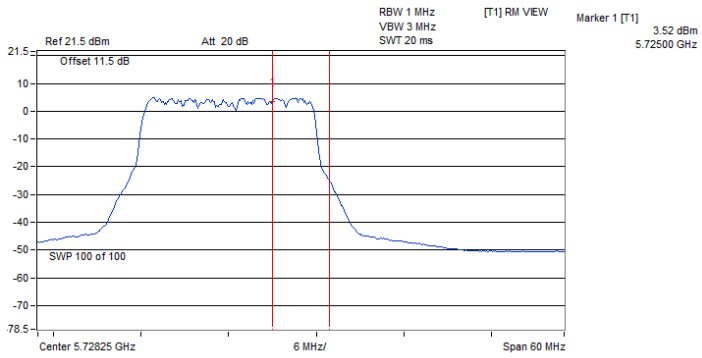
TX Channel Bandwidth 6.52 MHz Power 11.04 dBm

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



TX Channel Bandwidth 16.51 MHz Power 16.31 dBm

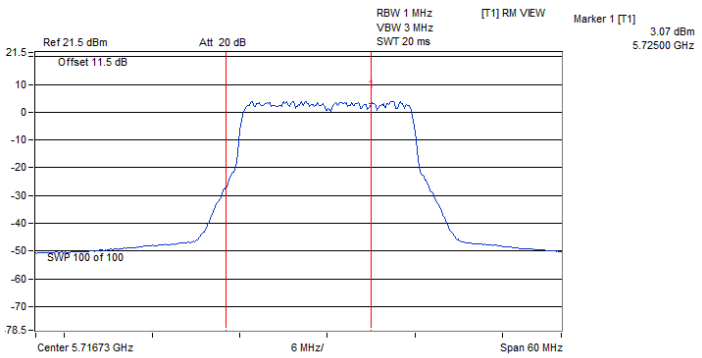
802.11be (EHT20) CDD / Chain 1 : CH 144 (U-NII-2C)



TX Channel Bandwidth 6.49 MHz Power 11.77 dBm

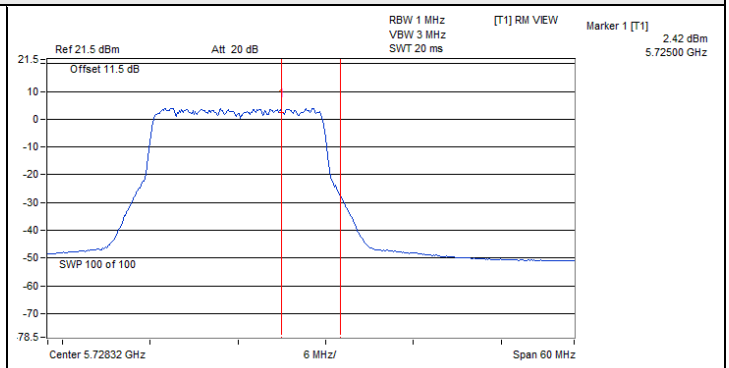
802.11be (EHT20) CDD / Chain 1 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



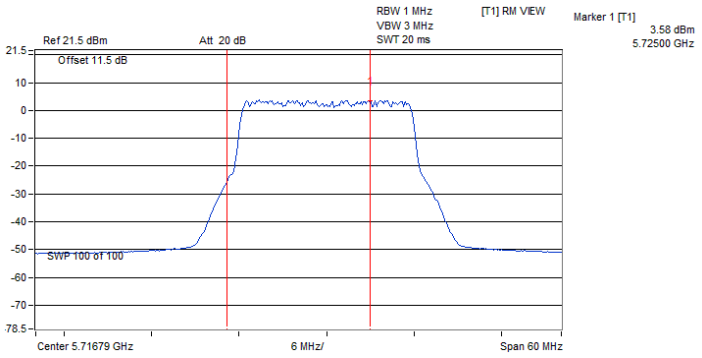
TX Channel Bandwidth 16.55 MHz Power 15.58 dBm

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



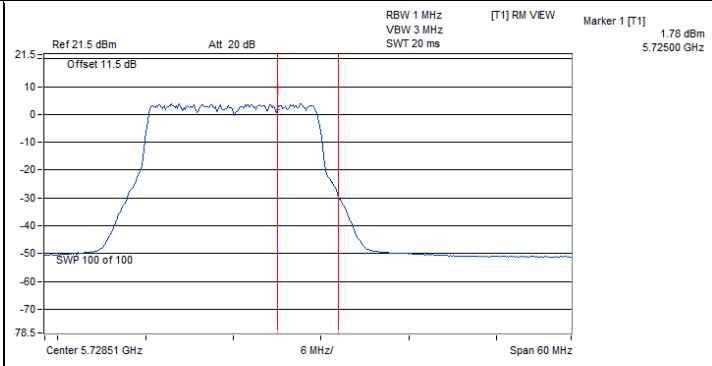
TX Channel Bandwidth 6.64 MHz Power 10.69 dBm

802.11be (EHT20) CDD / Chain 2 : CH 144 (U-NII-3)



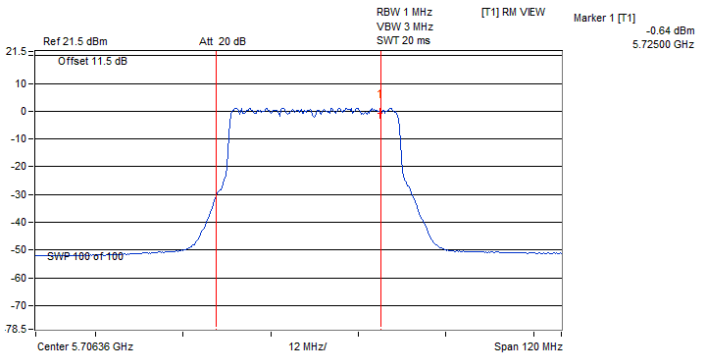
TX Channel Bandwidth 16.42 MHz Power 15.52 dBm

802.11be (EHT20) CDD / Chain 3 : CH 144 (U-NII-2C)



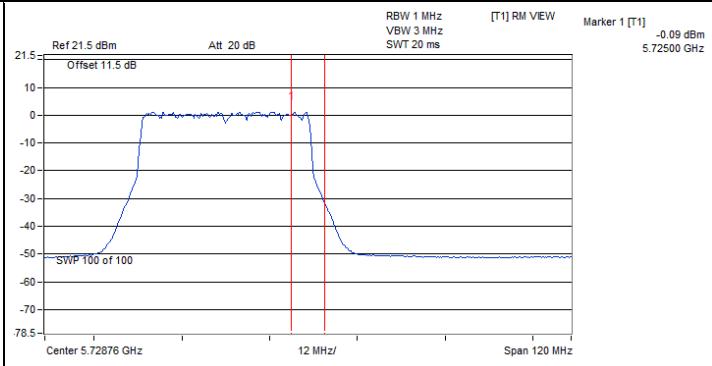
TX Channel Bandwidth 7.02 MHz Power 10.63 dBm

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



TX Channel Bandwidth 37.27 MHz Power 16.67 dBm

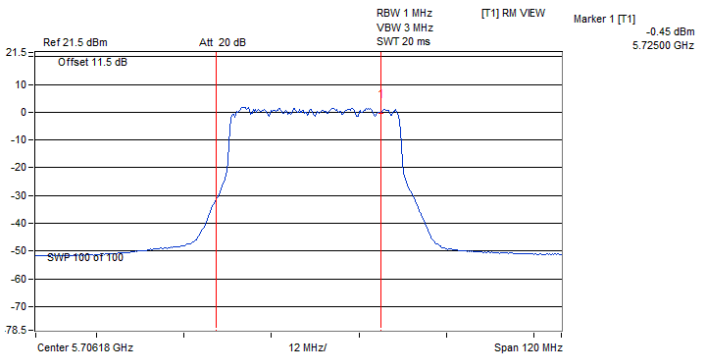
802.11be (EHT40) CDD / Chain 0 : CH 142 (U-NII-2C)



TX Channel Bandwidth 7.53 MHz Power 7.56 dBm

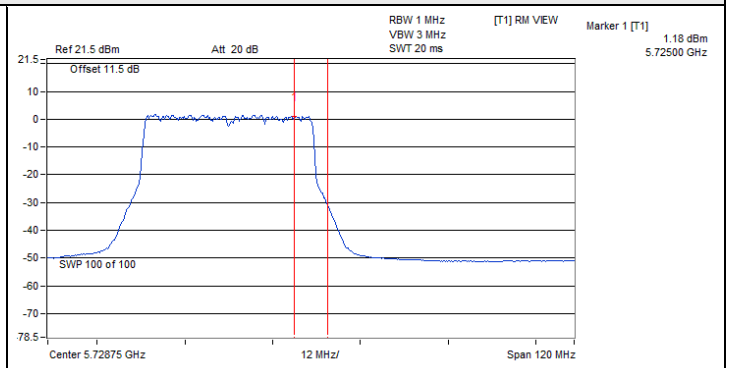
802.11be (EHT40) CDD / Chain 0 : CH 142 (U-NII-3)

Spectrum Plot for channel straddling



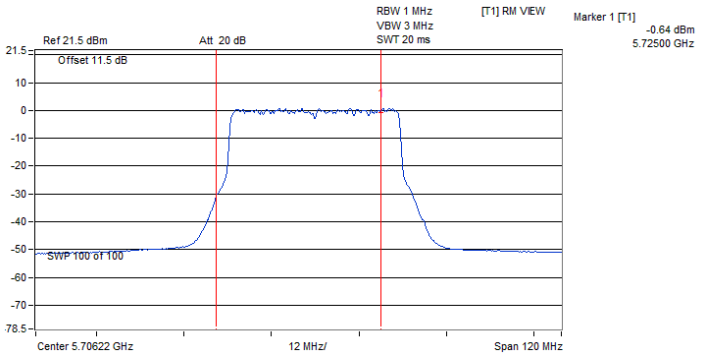
TX Channel Bandwidth 37.64 MHz Power 16.92 dBm

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



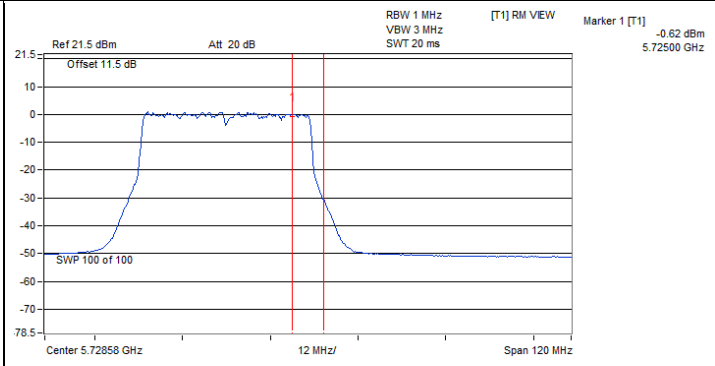
TX Channel Bandwidth 7.51 MHz Power 7.89 dBm

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



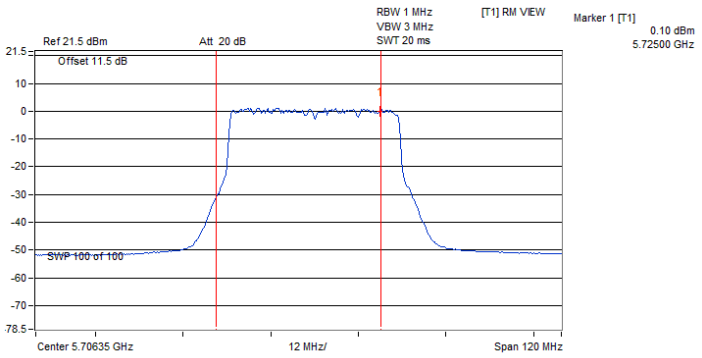
TX Channel Bandwidth 37.55 MHz Power 16.19 dBm

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



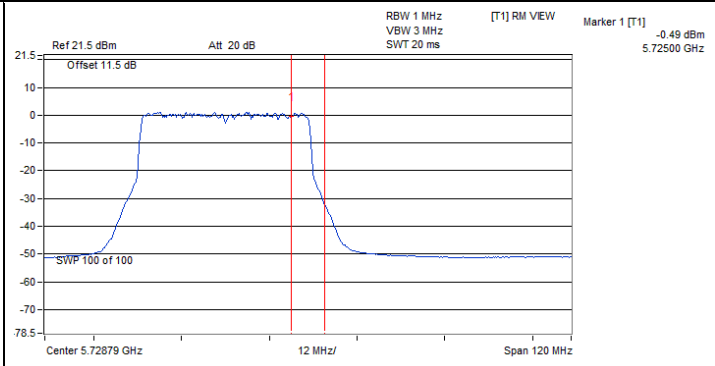
TX Channel Bandwidth 7.17 MHz Power 7.07 dBm

802.11be (EHT40) CDD / Chain 2 : CH 142 (U-NII-3)



TX Channel Bandwidth 37.3 MHz Power 16.53 dBm

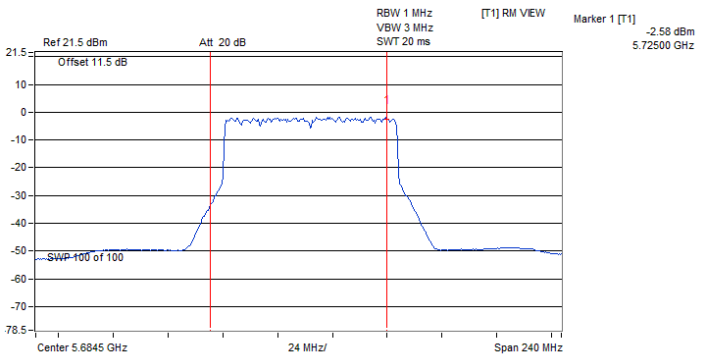
802.11be (EHT40) CDD / Chain 3 : CH 142 (U-NII-2C)



TX Channel Bandwidth 7.57 MHz Power 7.36 dBm

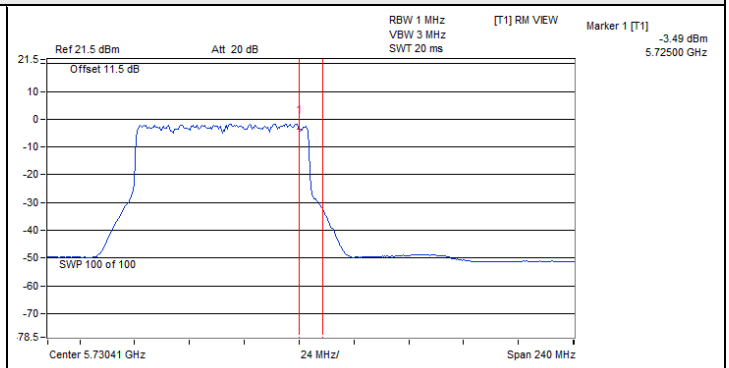
802.11be (EHT40) CDD / Chain 3 : CH 142 (U-NII-3)

Spectrum Plot for channel straddling



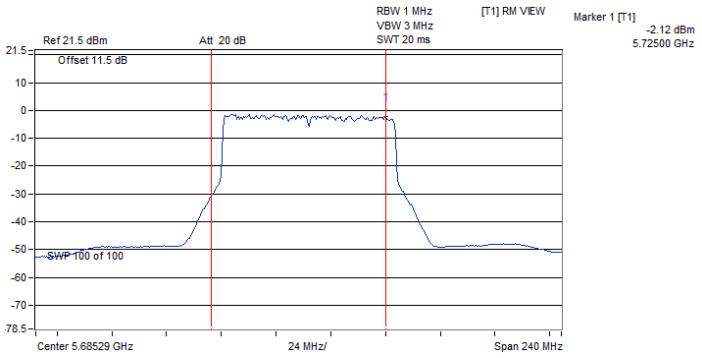
TX Channel Bandwidth 80.99 MHz Power 17.1 dBm

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



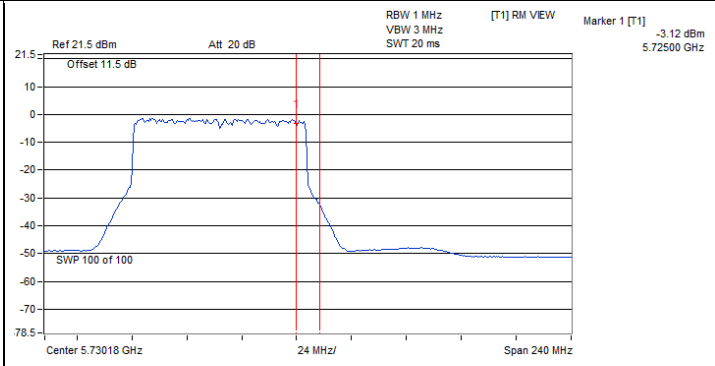
TX Channel Bandwidth 10.82 MHz Power 4.12 dBm

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



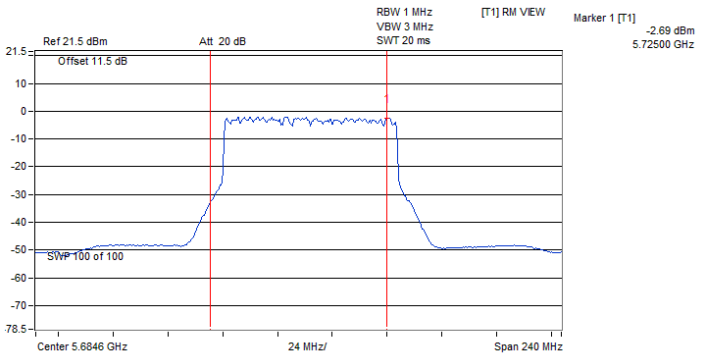
TX Channel Bandwidth 79.42 MHz Power 17.36 dBm

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



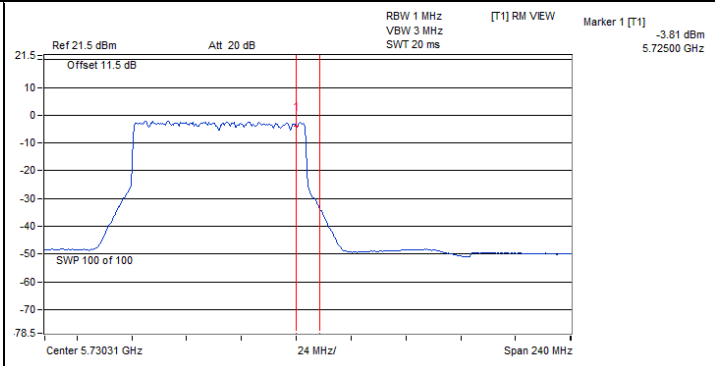
TX Channel Bandwidth 10.36 MHz Power 4.5 dBm

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



TX Channel Bandwidth 80.8 MHz Power 16.66 dBm

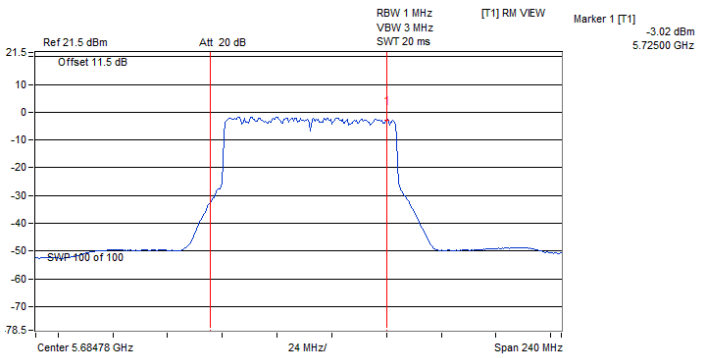
802.11be (EHT80) CDD / Chain 2 : CH 138 (U-NII-2C)



TX Channel Bandwidth 10.62 MHz Power 4.15 dBm

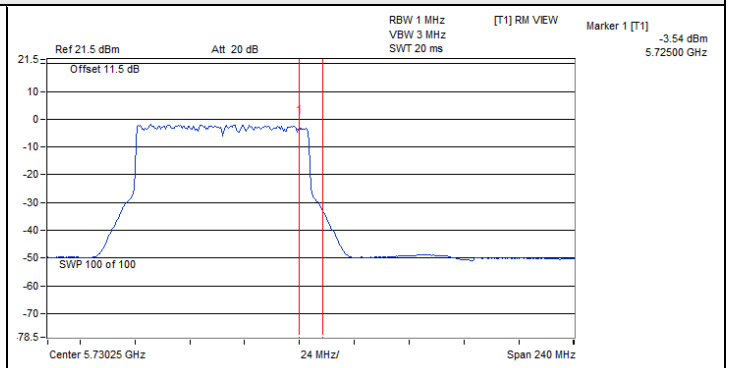
802.11be (EHT80) CDD / Chain 2 : CH 138 (U-NII-3)

Spectrum Plot for channel straddling



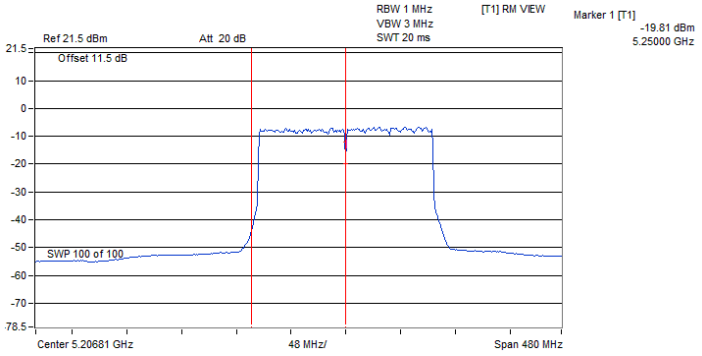
TX Channel Bandwidth 80.43 MHz Power 16.99 dBm

802.11be (EHT80) CDD / Chain 3 : CH 138 (U-NII-2C)



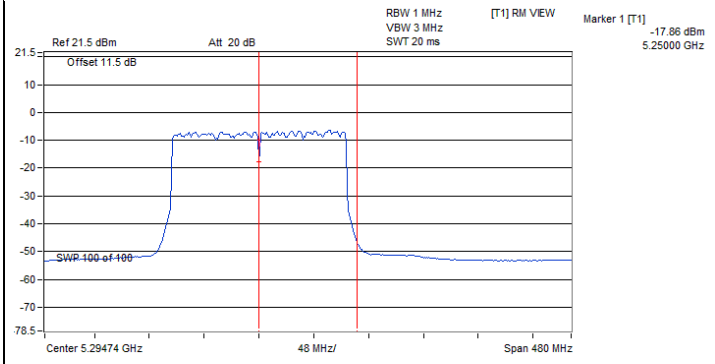
TX Channel Bandwidth 10.49 MHz Power 3.99 dBm

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



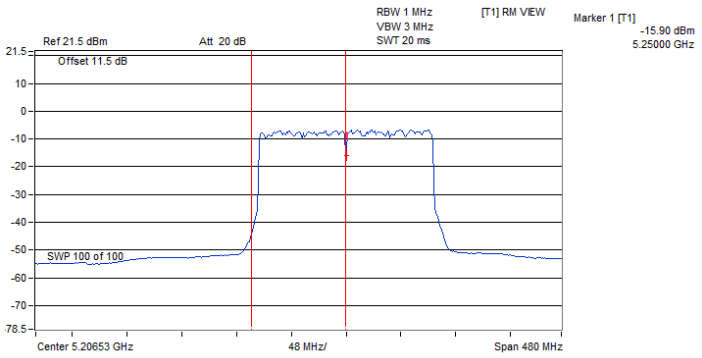
TX Channel Bandwidth 86.38 MHz Power 12.12 dBm

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



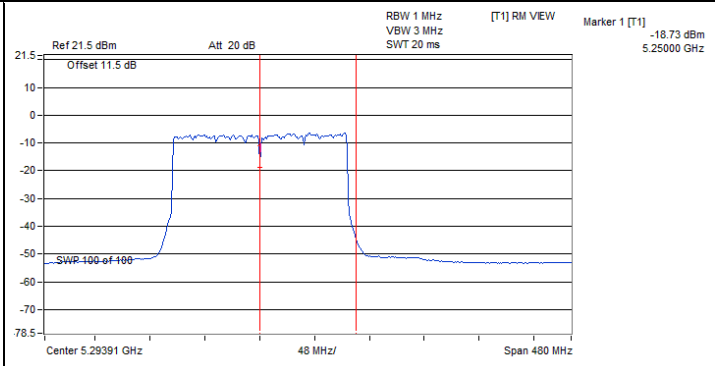
TX Channel Bandwidth 89.47 MHz Power 12.58 dBm

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



TX Channel Bandwidth 86.95 MHz Power 12.16 dBm

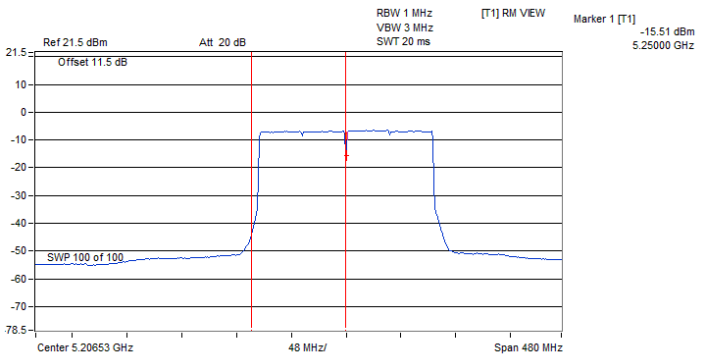
802.11be (EHT160) CDD / Chain 1 : CH 50 (U-NII-1)



TX Channel Bandwidth 87.81 MHz Power 12.7 dBm

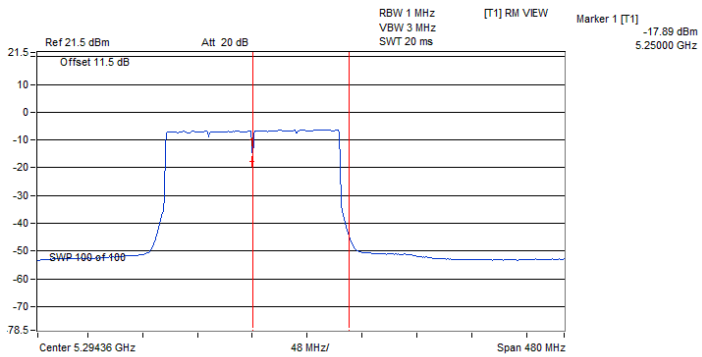
802.11be (EHT160) CDD / Chain 1 : CH 50 (U-NII-2A)

Spectrum Plot for channel straddling



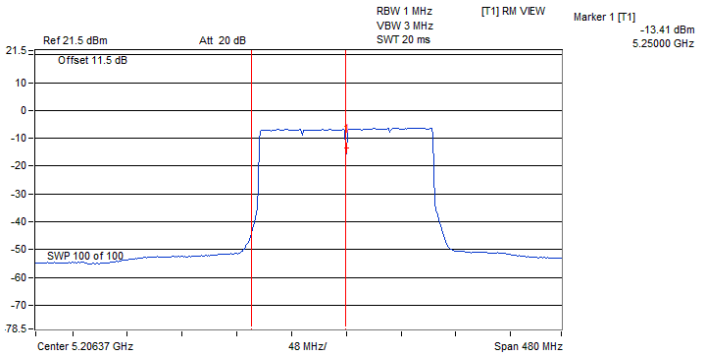
TX Channel Bandwidth 86.95 MHz Power 13.07 dBm

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



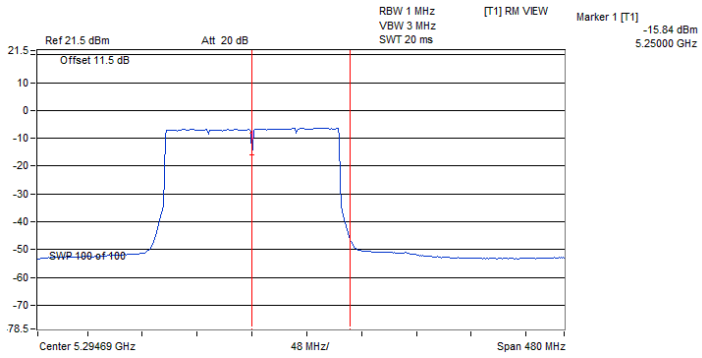
TX Channel Bandwidth 88.71 MHz Power 13.52 dBm

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



TX Channel Bandwidth 87.26 MHz Power 13.08 dBm

802.11be (EHT160) CDD / Chain 3 : CH 50 (U-NII-1)



TX Channel Bandwidth 89.39 MHz Power 13.5 dBm

802.11be (EHT160) CDD / Chain 3 : CH 50 (U-NII-2A)

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
36	5180	9.31	9.32	9.44	9.42	15.39	17	Pass
40	5200	9.87	9.88	9.83	9.79	15.86	17	Pass
48	5240	9.70	9.88	9.96	9.89	15.88	17	Pass
52	5260	4.94	5.12	4.69	5.04	10.97	11	Pass
60	5300	4.97	4.71	4.93	5.14	10.96	11	Pass
64	5320	4.93	4.80	5.04	4.77	10.91	11	Pass
100	5500	4.35	4.86	4.11	4.19	10.41	11	Pass
116	5580	4.91	5.31	4.53	4.64	10.88	11	Pass
140	5700	4.63	5.03	4.33	4.67	10.69	11	Pass
144 (U-NII-2C)	5720	4.57	5.22	4.23	4.40	10.64	11	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. The directional antenna gain information is declared by manufacturer.
3. For U-NII-1, the directional gain is 6 dBi <= 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.

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	Chain 2	Chain 3			
36	5180	9.50	10.48	9.93	9.99	16.01	17	Pass
40	5200	9.15	10.54	9.97	10.16	16.00	17	Pass
48	5240	8.88	10.07	9.96	9.87	15.74	17	Pass
52	5260	3.28	4.83	4.21	4.29	10.21	11	Pass
60	5300	3.65	4.79	4.36	4.47	10.36	11	Pass
64	5320	3.53	4.97	4.35	4.71	10.44	11	Pass
100	5500	3.64	4.37	3.45	3.28	9.73	11	Pass
116	5580	4.42	4.54	3.91	3.71	10.18	11	Pass
140	5700	3.79	4.34	3.94	4.22	10.10	11	Pass
144 (U-NII-2C)	5720	4.01	4.72	3.74	3.73	10.09	11	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. The directional antenna gain information is declared by manufacturer.
3. For U-NII-1, the directional gain is 6 dBi <= 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.

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	Chain 2	Chain 3			
38	5190	5.40	5.45	5.56	5.51	11.50	17	Pass
46	5230	6.89	7.36	6.73	6.57	12.92	17	Pass
54	5270	1.31	1.69	1.31	1.41	7.45	11	Pass
62	5310	1.56	2.00	1.53	1.20	7.60	11	Pass
102	5510	1.11	1.31	0.86	0.47	6.97	11	Pass
110	5550	1.38	1.70	0.82	0.71	7.19	11	Pass
134	5670	1.15	1.69	1.16	1.10	7.30	11	Pass
142 (U-NII-2C)	5710	0.96	1.52	0.85	1.00	7.11	11	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. The directional antenna gain information is declared by manufacturer.
3. For U-NII-1, the directional gain is 6 dBi <= 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.

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	Chain 2	Chain 3			
42	5210	3.46	4.03	3.52	3.48	9.65	17	Pass
58	5290	-1.75	-1.48	-1.90	-1.69	4.32	11	Pass
106	5530	-1.80	-1.40	-2.35	-2.22	4.09	11	Pass
122	5610	-1.86	-1.33	-1.96	-1.97	4.25	11	Pass
138 (U-NII-2C)	5690	-2.43	-1.47	-2.22	-1.88	4.04	11	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. The directional antenna gain information is declared by manufacturer.
3. For U-NII-1, the directional gain is 6 dBi <= 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.

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	Chain 2	Chain 3			
50 (U-NII-1)	5250	-6.99	-6.96	-6.78	-6.78	-0.86	17	Pass
50 (U-NII-2A)	5250	-6.42	-6.49	-6.29	-6.28	-0.35	11	Pass
114	5570	-5.52	-5.53	-5.53	-5.57	0.48	11	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. The directional antenna gain information is declared by manufacturer.
3. For U-NII-1, the directional gain is 6 dBi <= 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.

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	Chain 2	Chain 3				
144 (U-NII-3)	5720	-3.74	-3.10	-4.14	-4.03	2.29	4.51	30	Pass
149	5745	2.68	3.06	2.57	2.31	8.68	10.90	30	Pass
157	5785	2.68	2.89	2.50	2.47	8.66	10.88	30	Pass
165	5825	2.41	2.75	2.43	2.28	8.49	10.71	30	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. The directional antenna gain information is declared by manufacturer.
3. For U-NII-3, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.

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	Chain 2	Chain 3				
144 (U-NII-3)	5720	-5.01	-4.57	-5.50	-5.39	0.92	3.14	30	Pass
149	5745	1.55	1.71	1.19	0.76	7.34	9.56	30	Pass
157	5785	1.41	1.31	0.97	0.85	7.16	9.38	30	Pass
165	5825	0.87	1.17	0.78	0.59	6.88	9.10	30	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. The directional antenna gain information is declared by manufacturer.
3. For U-NII-3, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.

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	Chain 2	Chain 3				
142 (U-NII-3)	5710	-8.26	-7.99	-8.50	-8.40	-2.26	-0.04	30	Pass
151	5755	-2.09	-1.82	-2.27	-2.46	3.87	6.09	30	Pass
159	5795	-1.89	-1.59	-2.10	-2.25	4.07	6.29	30	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. The directional antenna gain information is declared by manufacturer.
3. For U-NII-3, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.

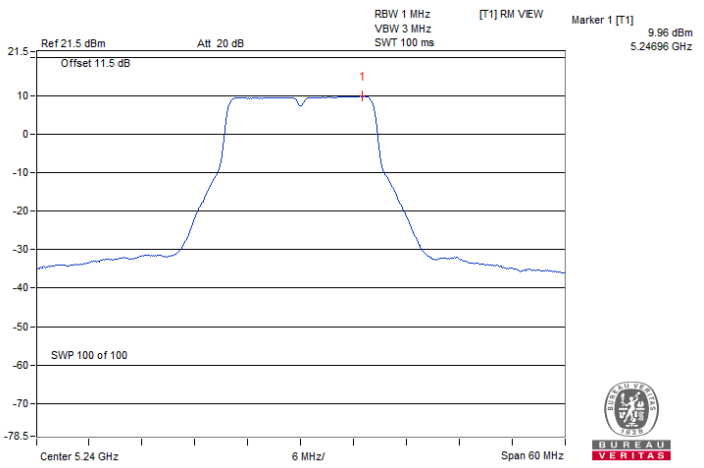
802.11be (EHT80)

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	Chain 2	Chain 3				
138 (U-NII-3)	5690	-11.29	-11.29	-11.85	-11.80	-5.53	-3.31	30	Pass
155	5775	-4.94	-4.96	-5.51	-5.17	0.88	3.10	30	Pass

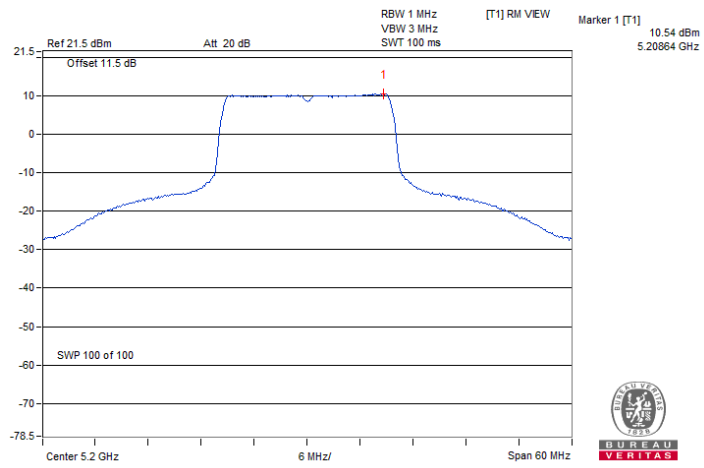
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional antenna gain information is declared by manufacturer.
3. For U-NII-3, the directional gain is 6 dBi <= 6 dBi, so the power density limit shall not be reduced.

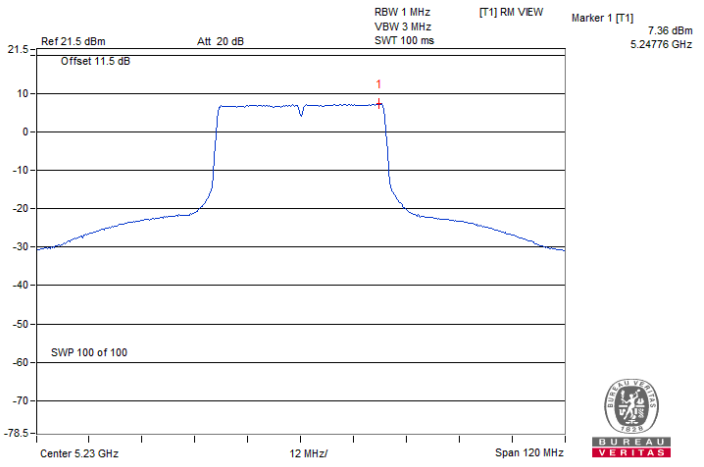
Spectrum Plot of Maximum Value



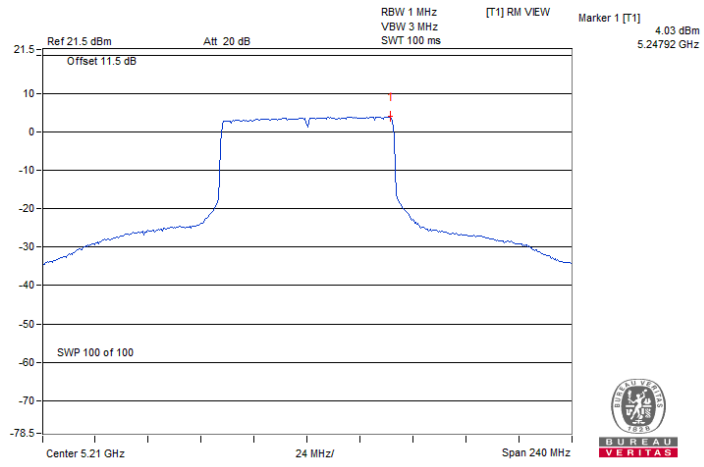
802.11a / Chain 2 : CH 48



802.11be (EHT20) / Chain 1 : CH 40

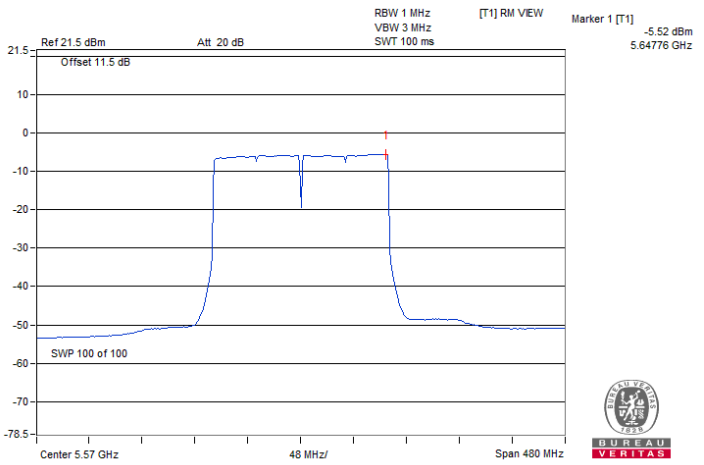


802.11be (EHT40) / Chain 1 : CH 46

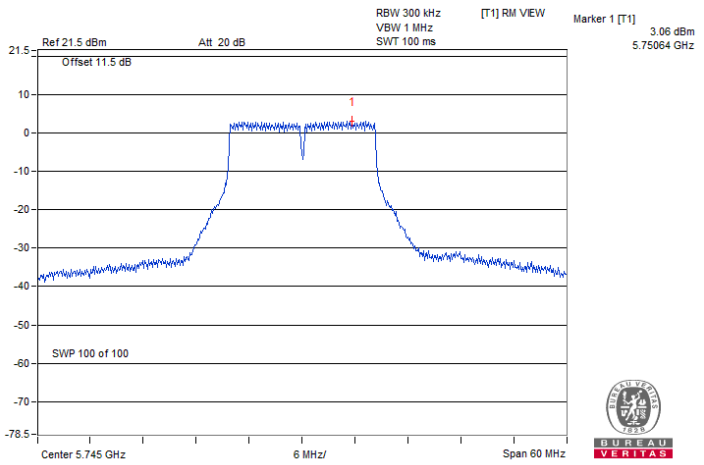


802.11be (EHT80) / Chain 1 : CH 42

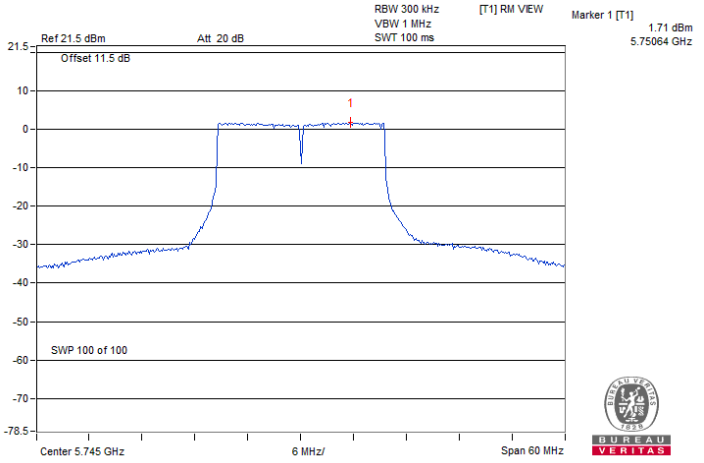
Spectrum Plot of Maximum Value



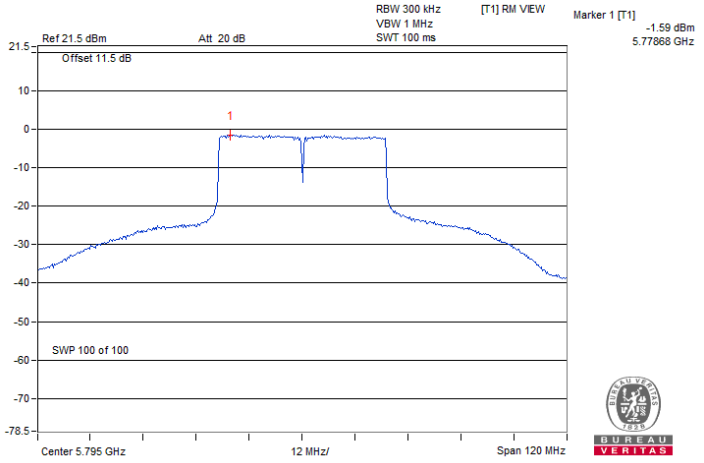
802.11be (EHT160) / Chain 0 : CH 114



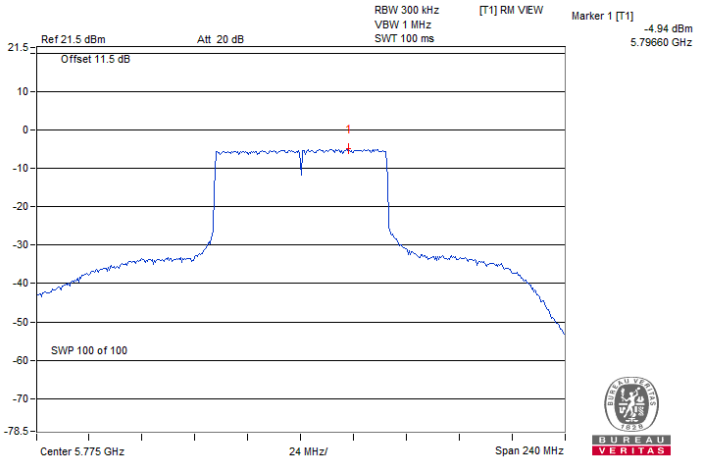
802.11a / Chain 1 : CH 149



802.11be (EHT20) / Chain 1 : CH 149



802.11be (EHT40) / Chain 1 : CH 159



802.11be (EHT80) / Chain 0 : CH 155

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
144 (U-NII-3)	5720	3.24	3.23	3.23	3.23	0.5	Pass
149	5745	16.43	16.41	16.41	16.41	0.5	Pass
157	5785	16.41	16.40	16.41	16.41	0.5	Pass
165	5825	16.40	16.39	16.40	16.41	0.5	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
144 (U-NII-3)	5720	4.57	4.57	4.56	4.54	0.5	Pass
149	5745	19.16	19.05	19.05	19.06	0.5	Pass
157	5785	19.09	19.06	19.02	19.08	0.5	Pass
165	5825	19.05	19.02	19.02	19.08	0.5	Pass

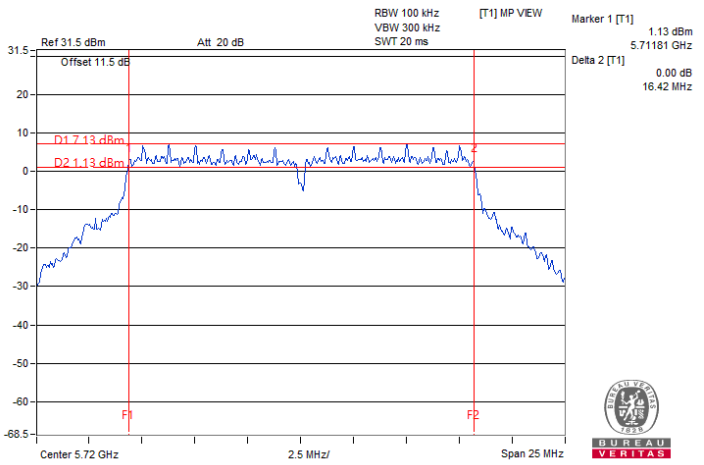
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
142 (U-NII-3)	5710	4.17	4.09	4.14	4.18	0.5	Pass
151	5755	38.33	38.41	38.27	38.22	0.5	Pass
159	5795	38.30	38.42	38.21	38.32	0.5	Pass

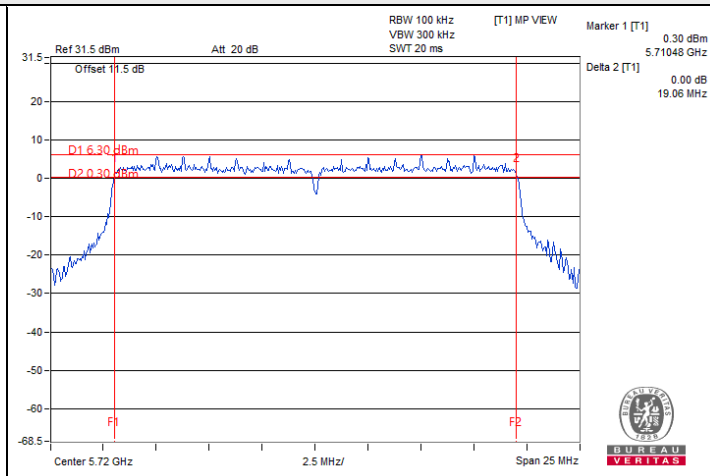
802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
138 (U-NII-3)	5690	4.26	4.22	4.21	4.20	0.5	Pass
155	5775	78.43	78.42	78.40	78.30	0.5	Pass

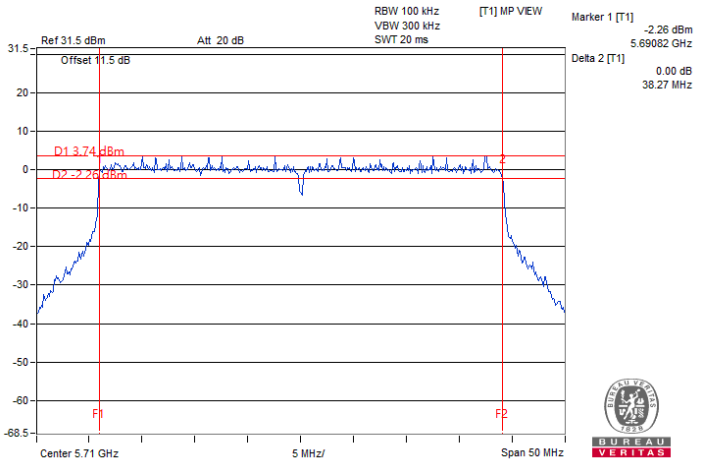
Spectrum Plot of Minimum Value



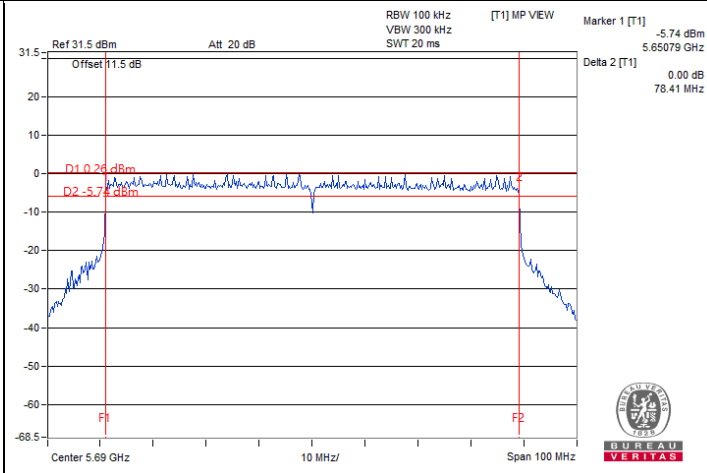
802.11a / Chain 1 : CH 144 (U-NII-3)



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



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



802.11be (EHT80) / Chain 3 : 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, 76% RH	Tested By:	Waydi Tuan

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	22.20	23.88	18.36	18.00
40	5200	19.08	20.52	17.88	17.64
48	5240	18.24	18.24	18.24	17.52
52	5260	17.04	17.04	17.04	17.04
60	5300	17.04	17.04	17.04	17.04
64	5320	17.16	17.04	17.04	17.04
100	5500	17.04	17.04	17.04	17.04
116	5580	17.04	17.04	17.04	17.04
140	5700	17.16	17.04	17.04	17.04
144 (U-NII-2C)	5720	13.64	13.52	13.52	13.52
144 (U-NII-3)	5720	3.52	3.52	3.52	3.52
149	5745	17.16	17.04	17.16	17.16
157	5785	17.76	19.68	17.40	18.60
165	5825	22.56	32.60	21.00	23.52

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	19.44	19.92	19.44	19.44
40	5200	19.44	19.56	19.32	19.32
48	5240	19.44	19.32	19.44	19.44
52	5260	19.20	19.20	19.20	19.20
60	5300	19.20	19.20	19.20	19.20
64	5320	19.20	19.20	19.20	19.20
100	5500	19.20	19.20	19.20	19.20
116	5580	19.20	19.20	19.20	19.20
140	5700	19.20	19.20	19.20	19.20
144 (U-NII-2C)	5720	14.60	14.60	14.60	14.60
144 (U-NII-3)	5720	4.60	4.60	4.60	4.60
149	5745	19.20	19.32	19.20	19.32
157	5785	19.56	19.92	19.44	19.56
165	5825	21.96	33.40	22.20	24.84

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	39.12	39.36	38.88	38.88
46	5230	38.88	38.88	38.88	38.64
54	5270	38.40	38.40	38.88	38.64
62	5310	38.64	38.40	38.40	38.40
102	5510	38.64	38.40	38.64	38.40
110	5550	38.40	38.40	38.40	38.40
134	5670	38.64	38.64	38.40	38.40
142 (U-NII-2C)	5710	34.20	34.20	34.44	34.20
142 (U-NII-3)	5710	4.20	4.20	4.20	4.20
151	5755	38.64	39.12	38.64	38.64
159	5795	39.36	42.72	38.88	40.08

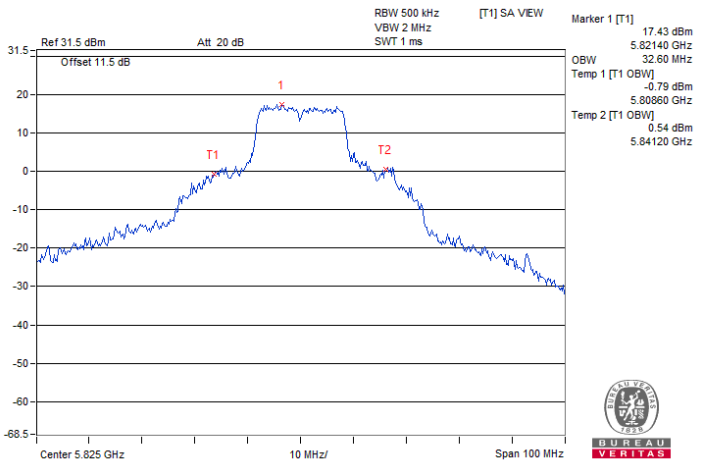
802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	78.24	78.24	77.76	77.76
58	5290	77.76	77.76	77.76	77.76
106	5530	77.76	77.76	77.76	77.76
122	5610	77.76	77.76	77.76	77.76
138 (U-NII-2C)	5690	73.88	74.36	73.88	73.88
138 (U-NII-3)	5690	3.88	3.88	3.88	3.88
155	5775	78.72	78.72	77.76	78.24

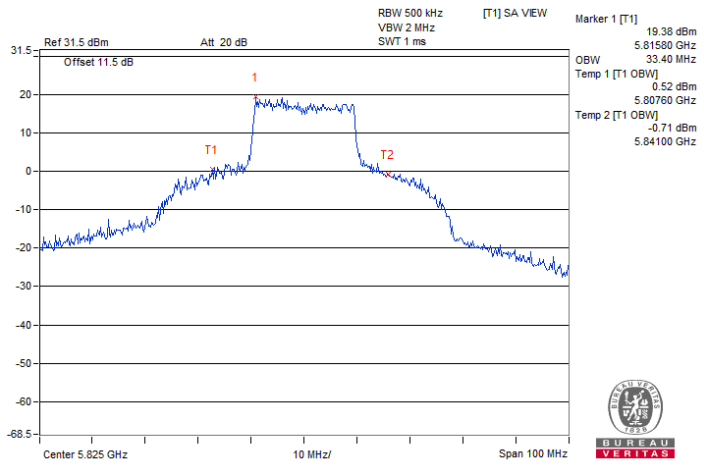
802.11be (EHT160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
50 (U-NII-1)	5250	78.72	78.72	78.72	78.72
50 (U-NII-2A)	5250	78.72	78.72	78.72	79.68
114	5570	157.44	157.44	157.44	157.44

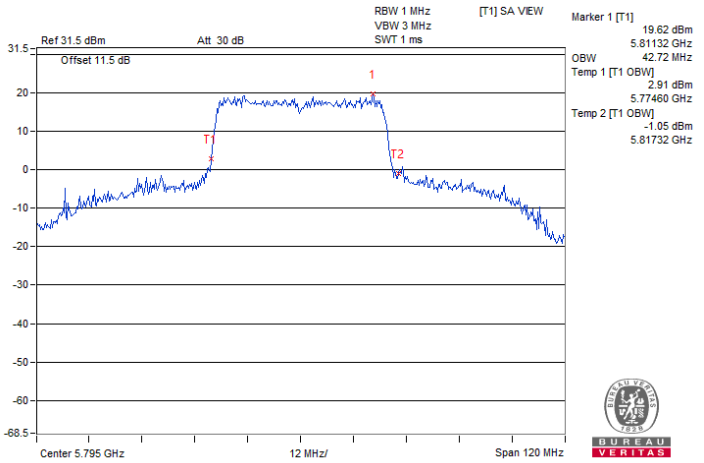
Spectrum Plot of Maximum Value



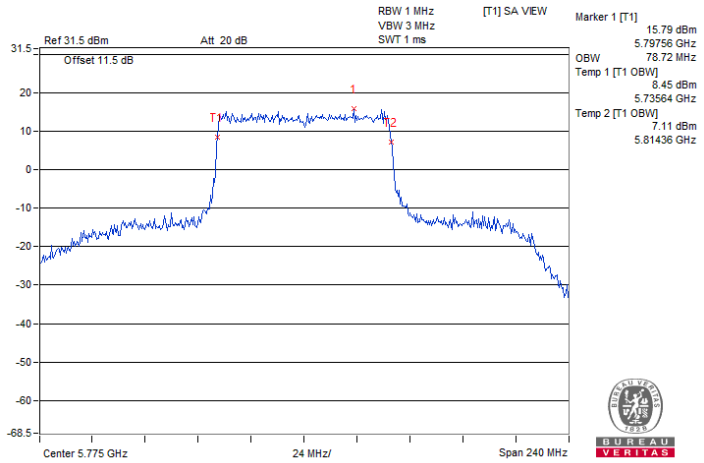
802.11a / Chain 1 : CH 165



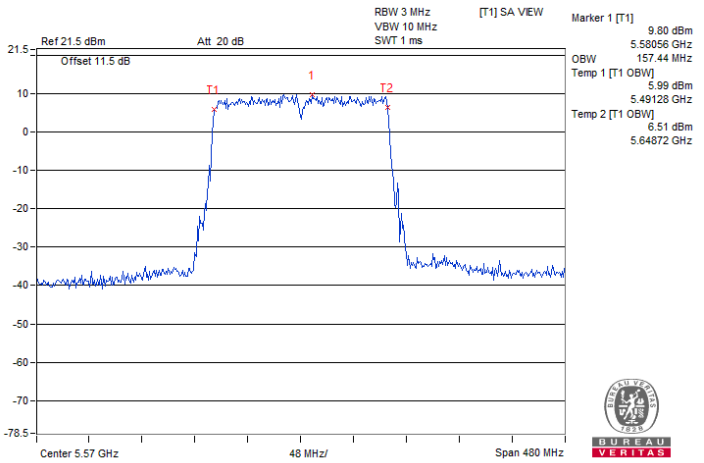
802.11be (EHT20) / Chain 1 : CH 165



802.11be (EHT40) / Chain 1 : CH 159



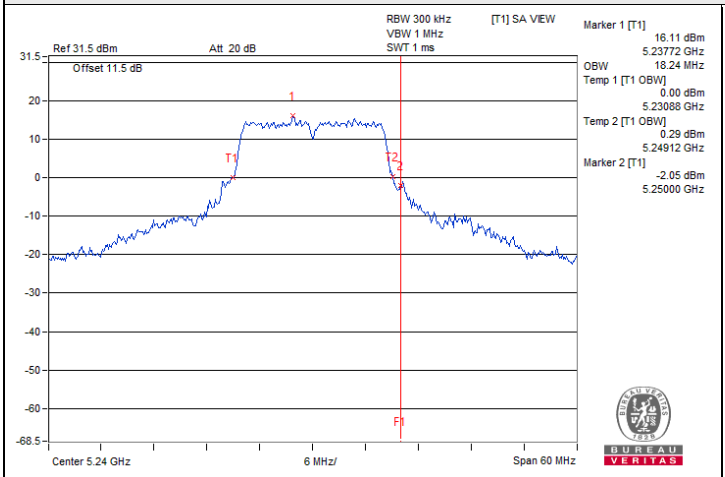
802.11be (EHT80) / Chain 0 : CH 155



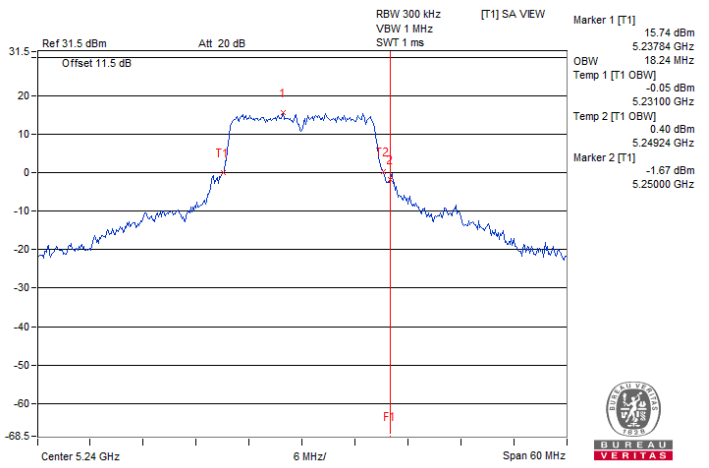
802.11be (EHT160) / Chain 0 : CH 114

Spectrum Plot for nearby DFS band

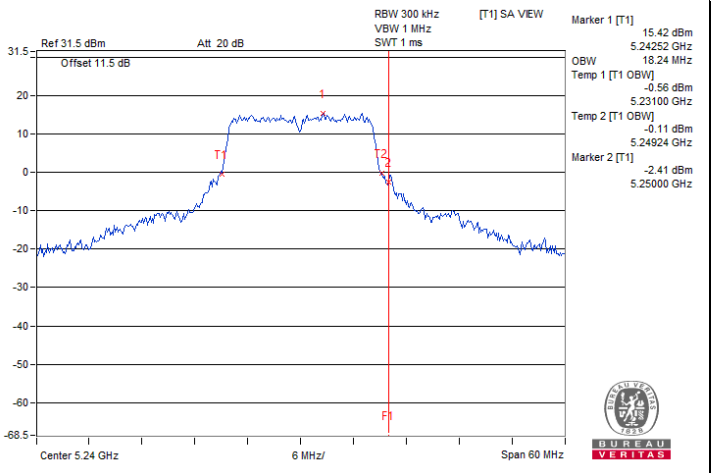
(DFS is required, if 99% OCP straddle into U-NII-2A)



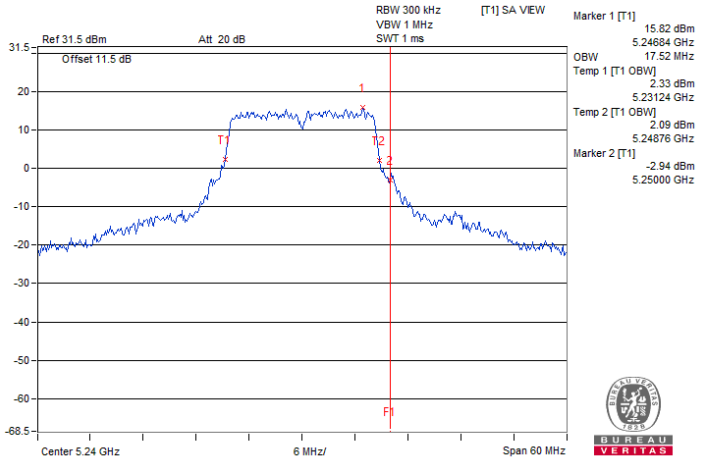
802.11a / Chain 0 : CH 48



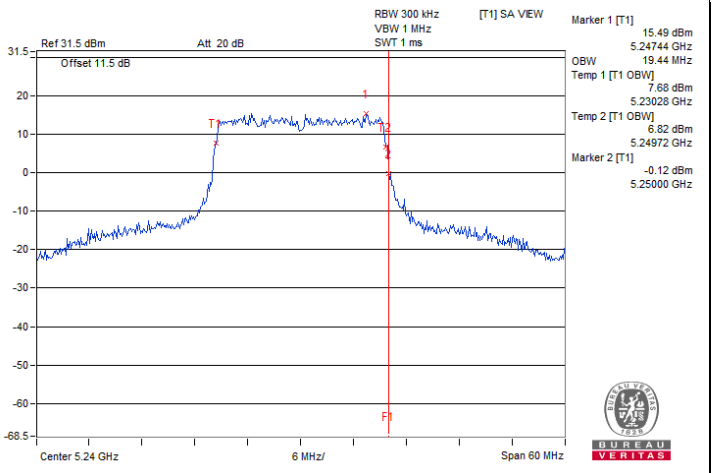
802.11a / Chain 1 : CH 48



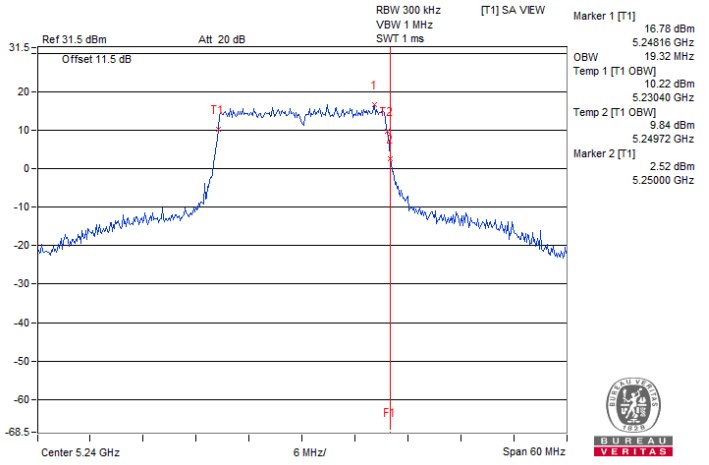
802.11a / Chain 2 : CH 48



802.11a / Chain 3 : CH 48



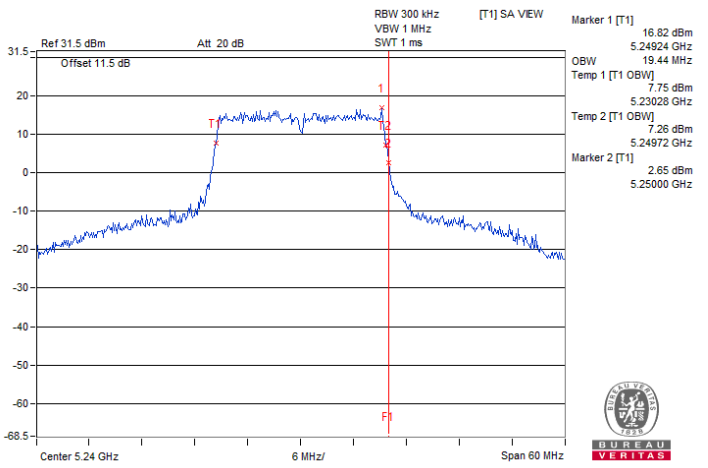
802.11be (EHT20) / Chain 0 : CH 48



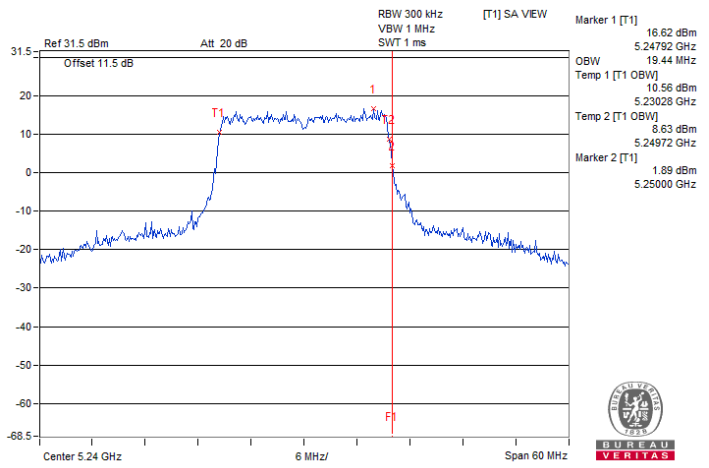
802.11be (EHT20) / Chain 1 : CH 48

Spectrum Plot for nearby DFS band

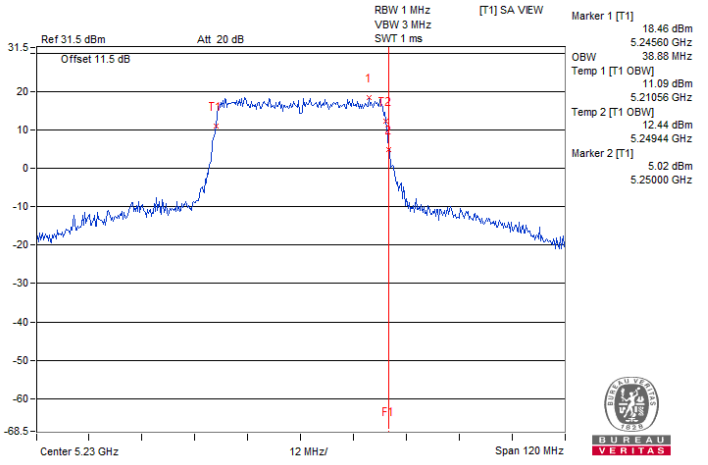
(DFS is required, if 99% OCP straddle into U-NII-2A)



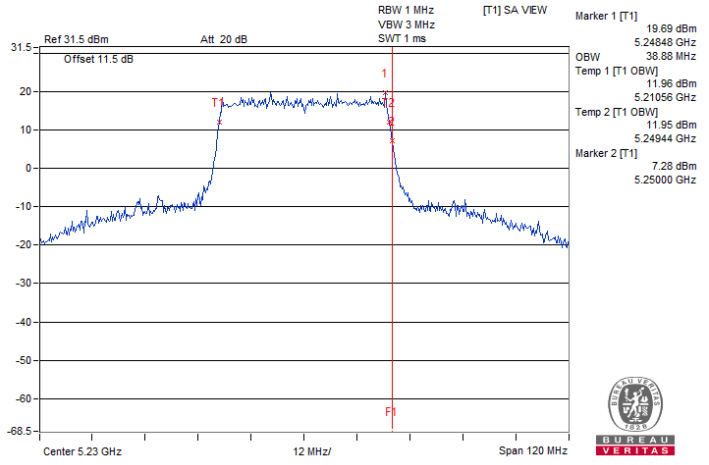
802.11be (EHT20) / Chain 2 : CH 48



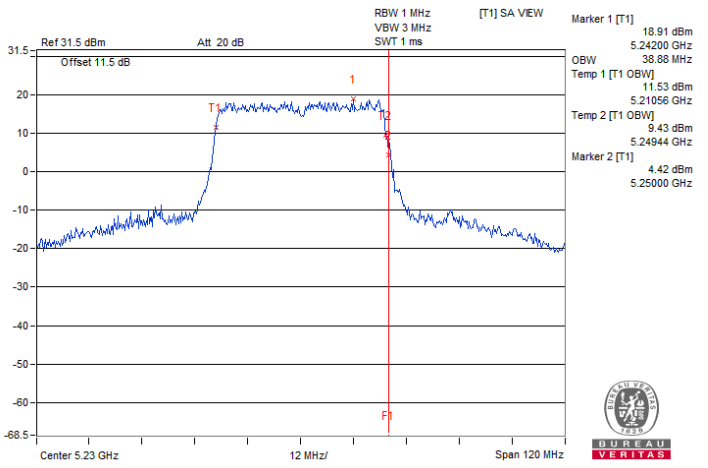
802.11be (EHT20) / Chain 3 : CH 48



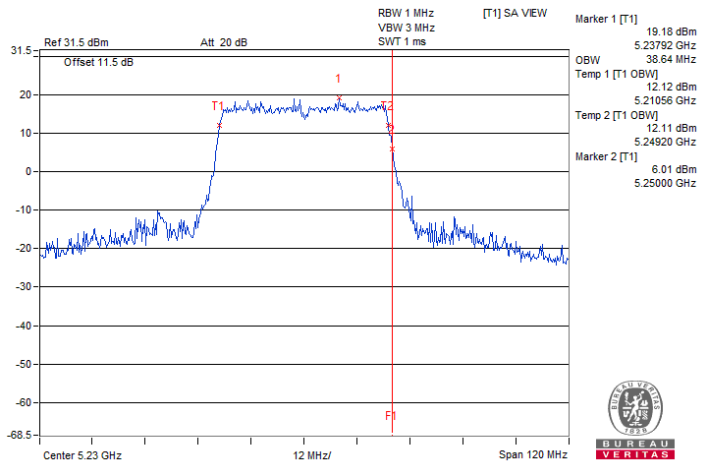
802.11be (EHT40) / Chain 0 : CH 46



802.11be (EHT40) / Chain 1 : CH 46



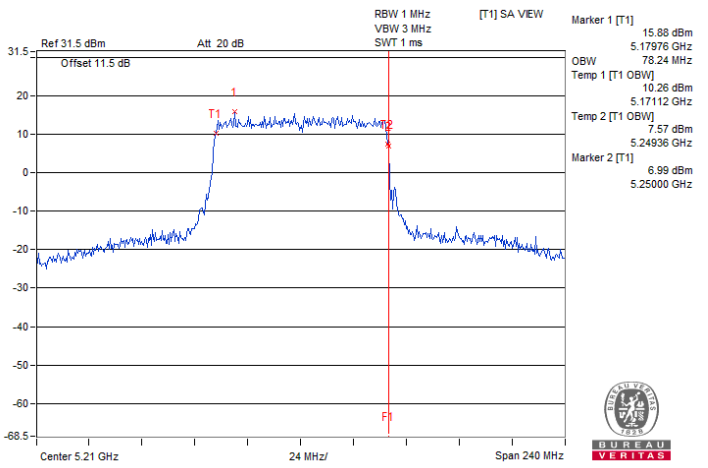
802.11be (EHT40) / Chain 2 : CH 46



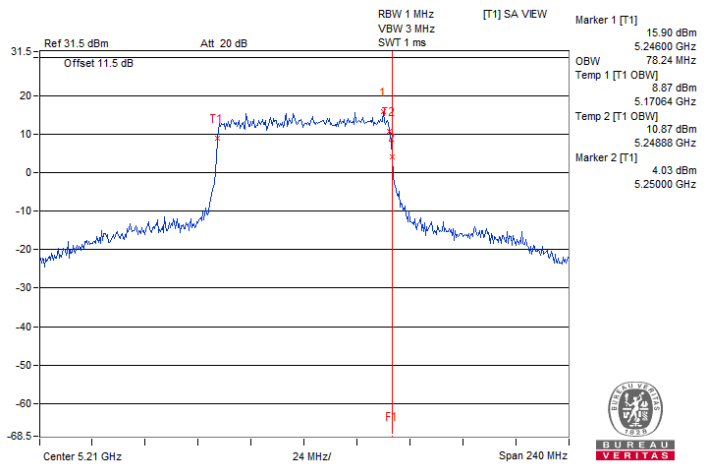
802.11be (EHT40) / Chain 3 : CH 46

Spectrum Plot for nearby DFS band

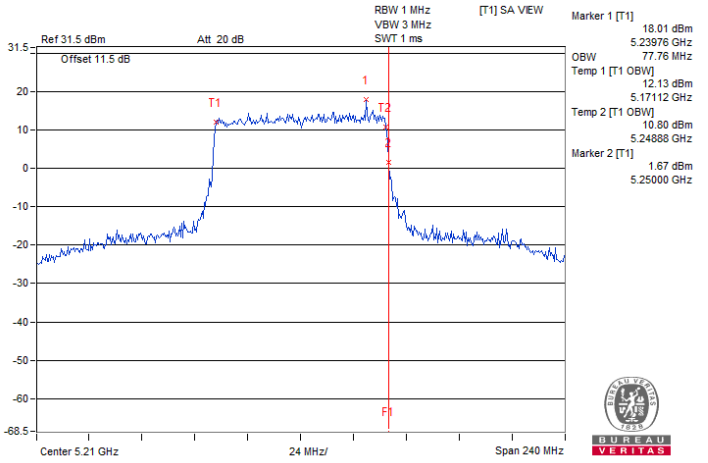
(DFS is required, if 99% OCP straddle into U-NII-2A)



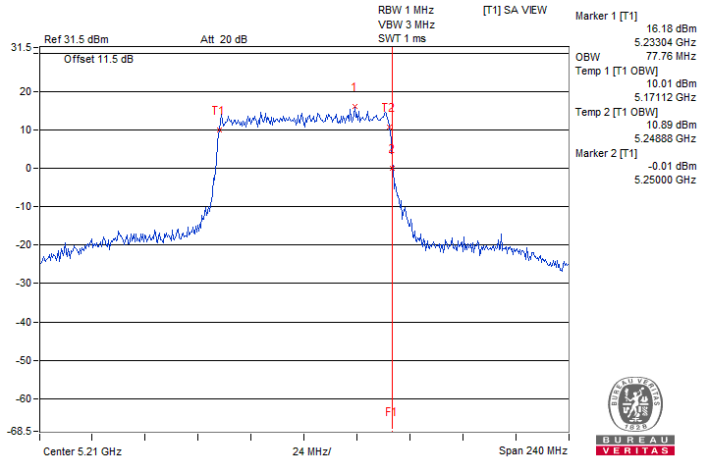
802.11be (EHT80) / Chain 0 : CH 42



802.11be (EHT80) / Chain 1 : CH 42



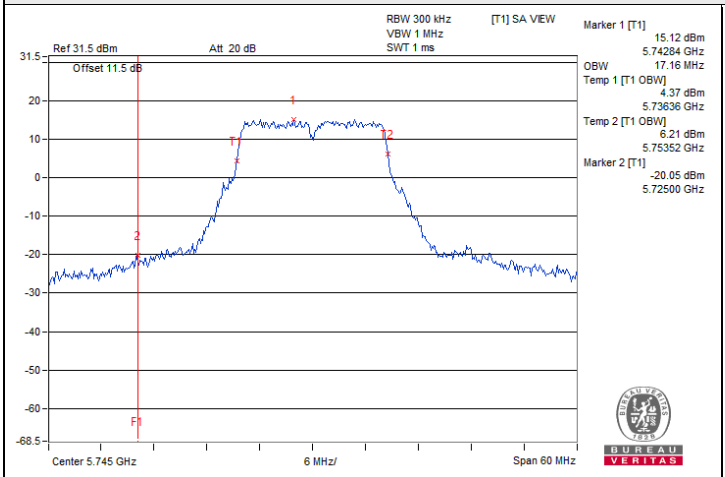
802.11be (EHT80) / Chain 2 : CH 42



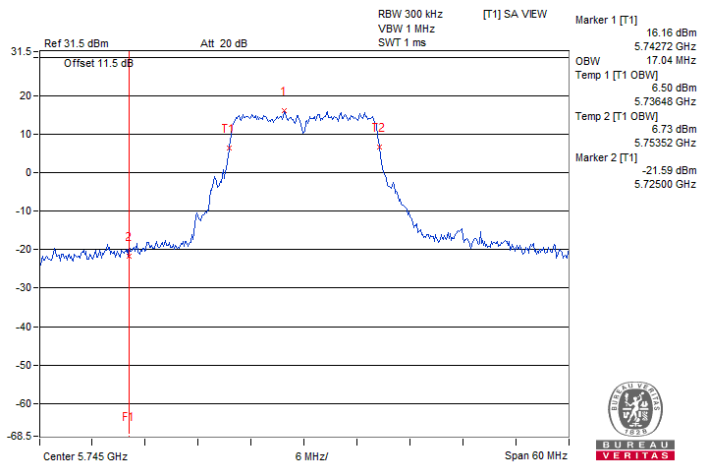
802.11be (EHT80) / Chain 3 : CH 42

Spectrum Plot for nearby DFS band

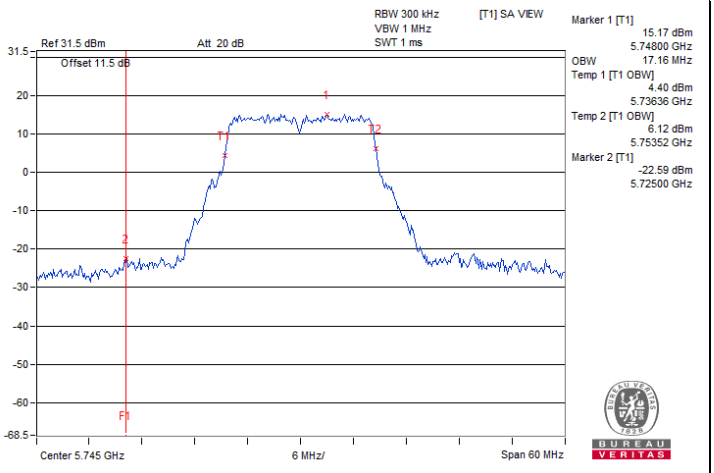
(DFS is required, if 99% OCP straddle into U-NII-2C)



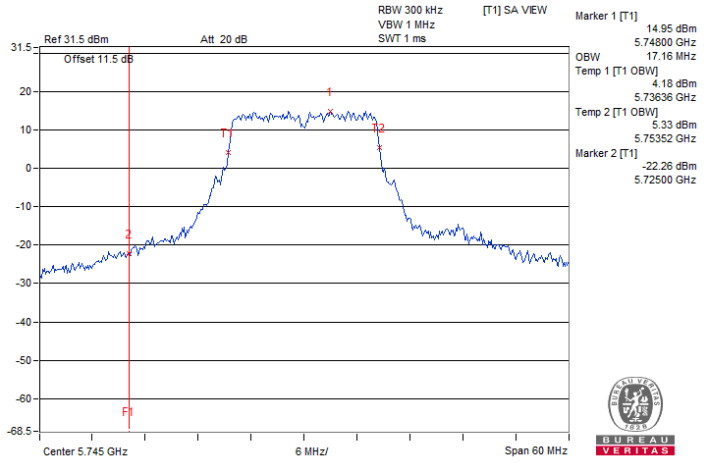
802.11a / Chain 0 : CH 149



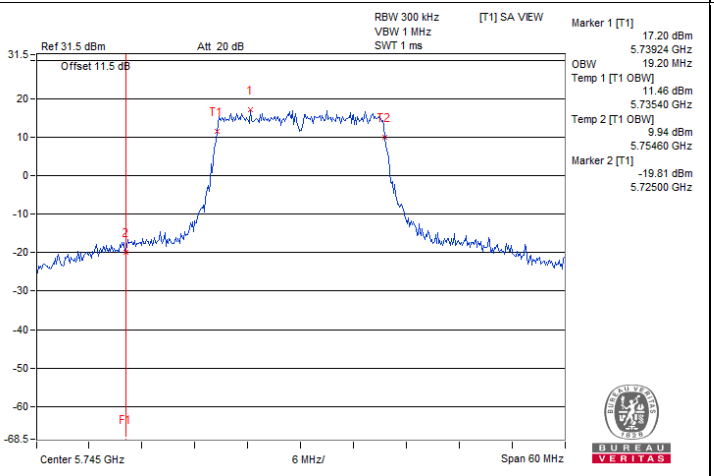
802.11a / Chain 1 : CH 149



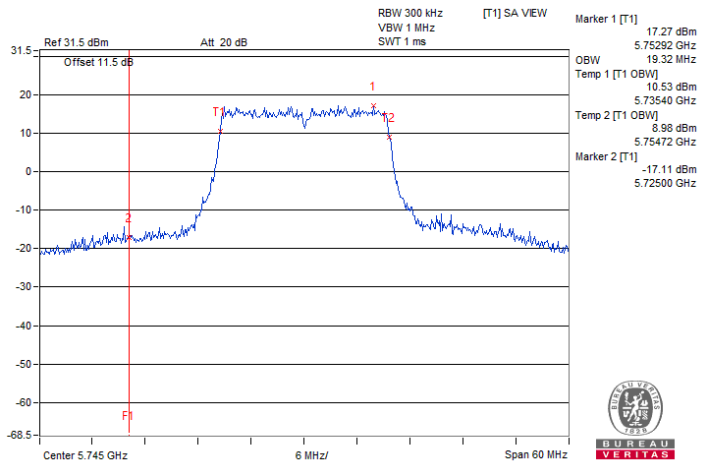
802.11a / Chain 2 : CH 149



802.11a / Chain 3 : CH 149



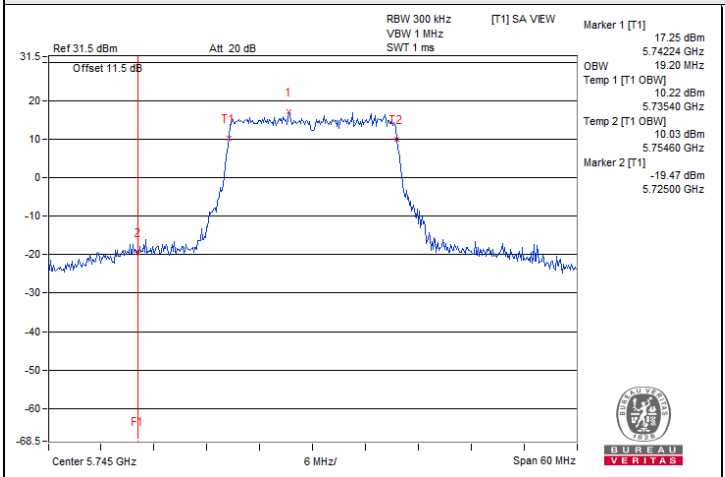
802.11be (EHT20) / Chain 0 : CH 149



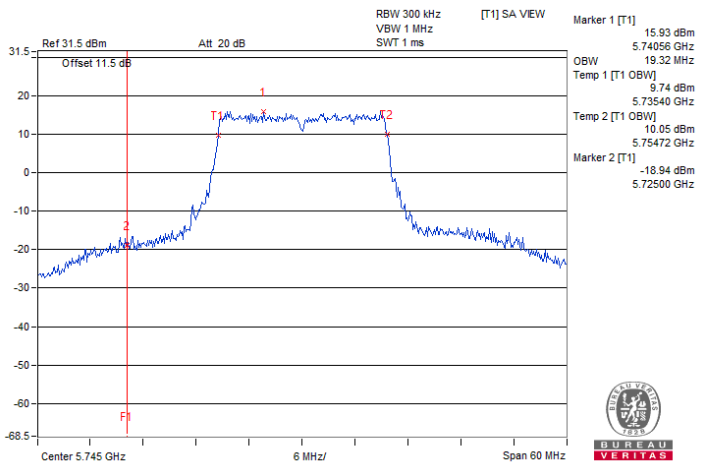
802.11be (EHT20) / Chain 1 : CH 149

Spectrum Plot for nearby DFS band

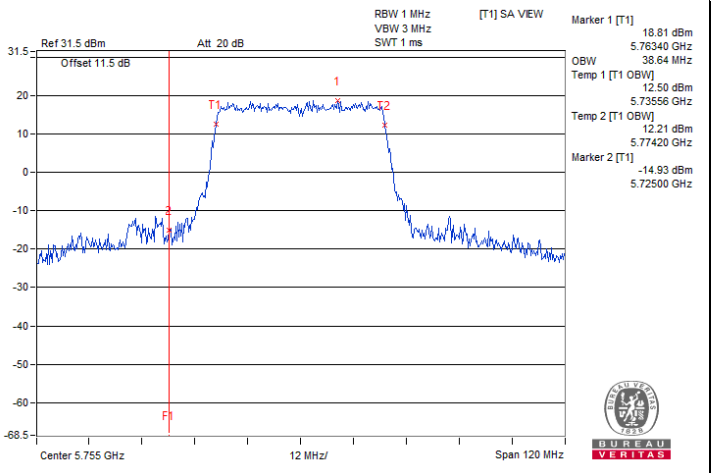
(DFS is required, if 99% OCP straddle into U-NII-2C)



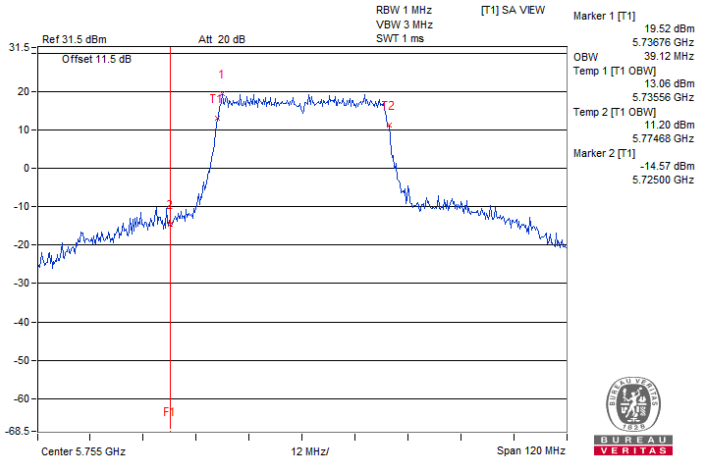
802.11be (EHT20) / Chain 2 : CH 149



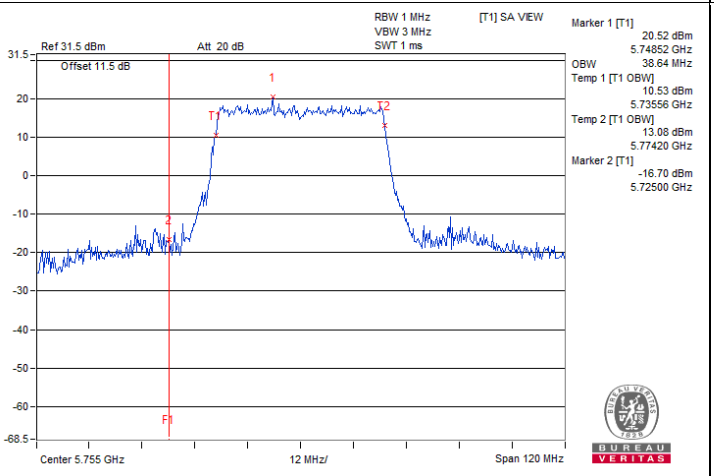
802.11be (EHT20) / Chain 3 : CH 149



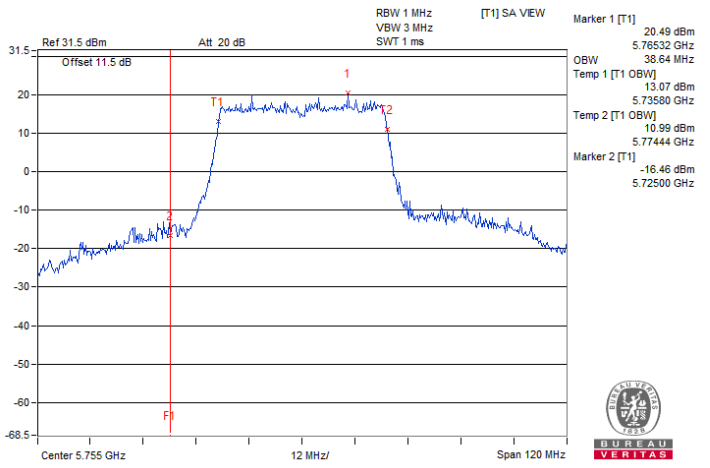
802.11be (EHT40) / Chain 0 : CH 151



802.11be (EHT40) / Chain 1 : CH 151



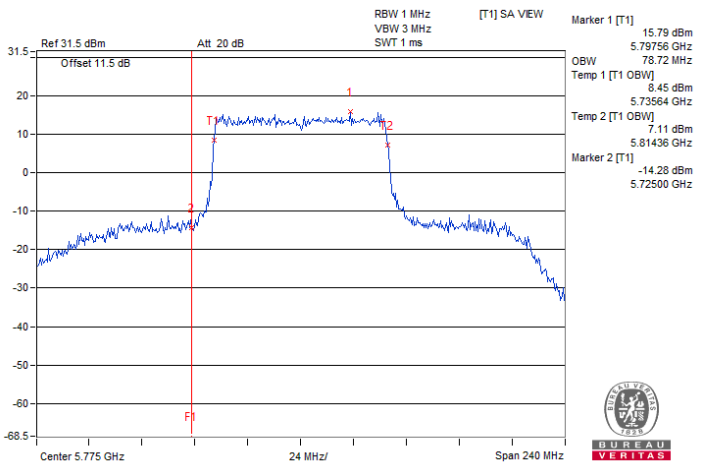
802.11be (EHT40) / Chain 2 : CH 151



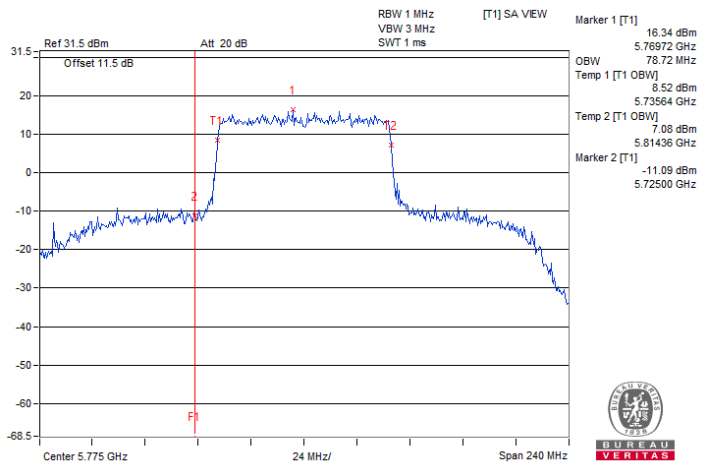
802.11be (EHT40) / Chain 3 : CH 151

Spectrum Plot for nearby DFS band

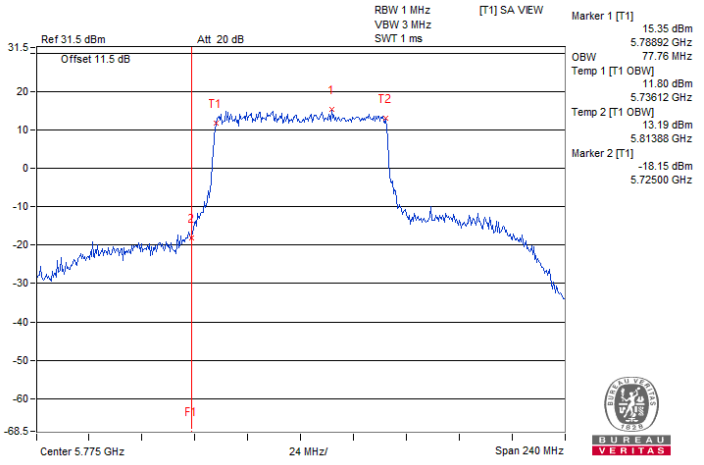
(DFS is required, if 99% OCP straddle into U-NII-2C)



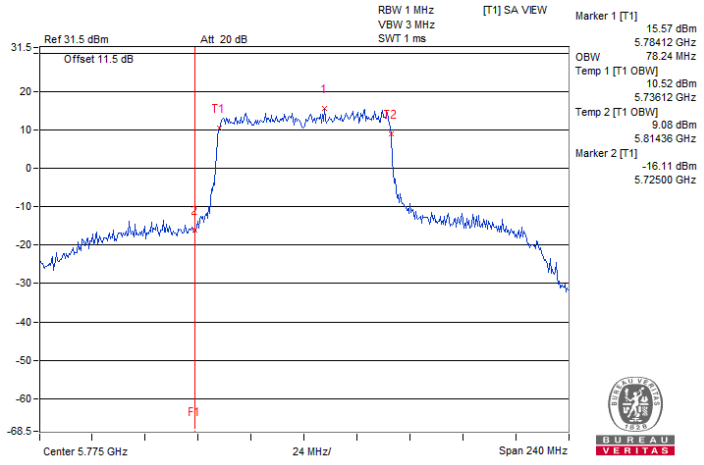
802.11be (EHT80) / Chain 0 : CH 155



802.11be (EHT80) / Chain 1 : CH 155



802.11be (EHT80) / Chain 2 : CH 155



802.11be (EHT80) / Chain 3 : CH 155

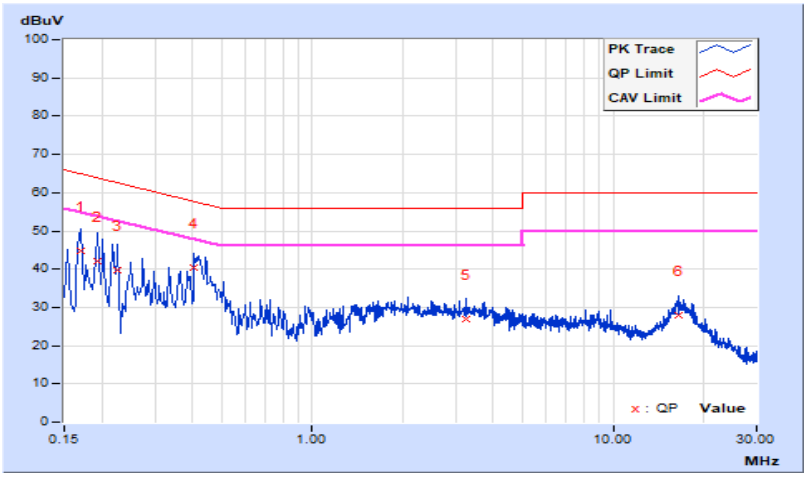
7.6 AC Power Conducted Emissions

RF Mode	802.11be (EHT20)	**Channel**	CH 157：5785 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**	20 °C, 68 % RH
Tested By	Edison Lee		

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	9.69	35.05	20.45	44.74	30.14	64.96	54.96	-20.22	-24.82
2	0.19400	9.71	32.34	19.70	42.05	29.41	63.86	53.86	-21.81	-24.45
3	0.22600	9.71	30.05	18.41	39.76	28.12	62.60	52.60	-22.84	-24.48
4	0.40600	9.72	30.80	24.13	40.52	33.85	57.73	47.73	-17.21	-13.88
5	3.25800	9.83	17.18	11.83	27.01	21.66	56.00	46.00	-28.99	-24.34
6	16.49800	10.04	17.82	13.09	27.86	23.13	60.00	50.00	-32.14	-26.87

Remarks:

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

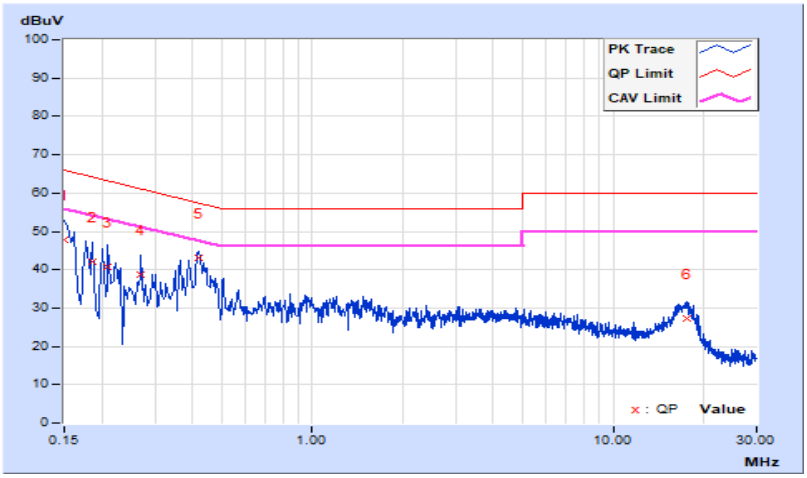


RF Mode	802.11be (EHT20)	**Channel**	CH 157：5785 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20 °C, 68 % RH
Tested By	Edison Lee		

Phase Of Power : Neutral (N)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15000	9.66	38.01	20.80	47.67	30.46	66.00	56.00	-18.33	-25.54
2	0.18600	9.66	32.41	17.87	42.07	27.53	64.21	54.21	-22.14	-26.68
3	0.21000	9.66	30.93	17.98	40.59	27.64	63.21	53.21	-22.62	-25.57
4	0.26992	9.68	28.94	18.96	38.62	28.64	61.12	51.12	-22.50	-22.48
5	**0.41800**	**9.73**	**33.41**	**31.33**	**43.14**	**41.06**	**57.49**	**47.49**	**-14.35**	**-6.43**
6	17.52200	10.22	17.11	12.50	27.33	22.72	60.00	50.00	-32.67	-27.28

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



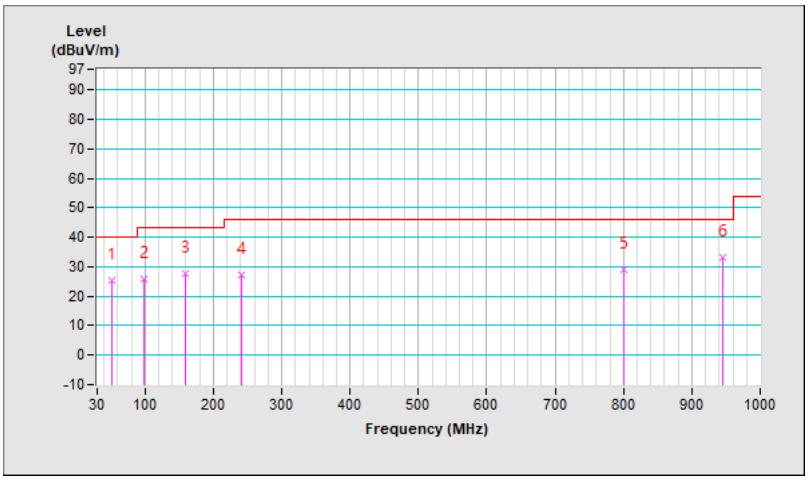
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11be (EHT20)	**Channel**	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Greg Lin		

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	51.34	25.4 QP	40.0	-14.6	1.00 H	210	38.4	-13.0
2	97.90	25.8 QP	43.5	-17.7	1.25 H	247	43.6	-17.8
3	159.98	27.7 QP	43.5	-15.8	1.50 H	19	40.5	-12.8
4	240.49	27.3 QP	46.0	-18.7	1.00 H	251	41.6	-14.3
5	801.15	29.1 QP	46.0	-16.9	1.25 H	80	31.0	-1.9
6	944.71	33.1 QP	46.0	-12.9	1.00 H	298	32.9	0.2

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 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.

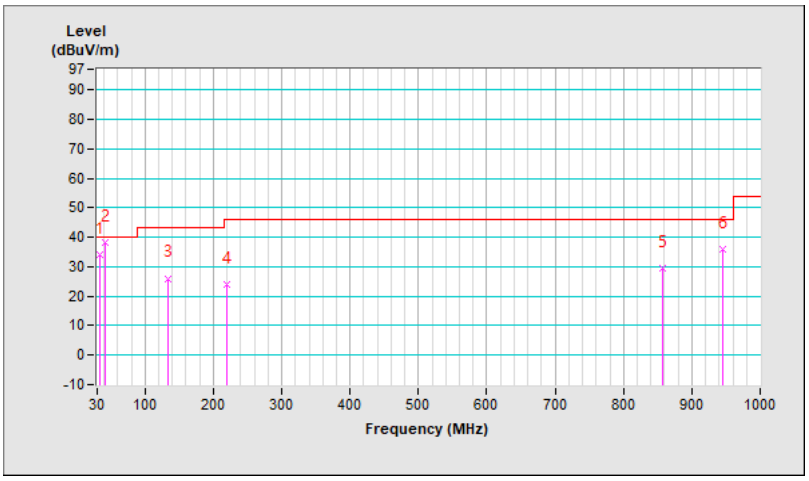


RF Mode	802.11be (EHT20)	**Channel**	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Greg Lin		

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	33.88	34.2 QP	40.0	-5.8	1.25 V	141	48.2	-14.0
2	**41.64**	**38.3 QP**	**40.0**	**-1.7**	**1.50 V**	**322**	**51.5**	**-13.2**
3	132.82	26.1 QP	43.5	-17.4	1.00 V	320	39.8	-13.7
4	220.12	24.0 QP	46.0	-22.0	1.00 V	194	40.2	-16.2
5	857.41	29.4 QP	46.0	-16.6	1.00 V	53	30.8	-1.4
6	944.71	35.7 QP	46.0	-10.3	1.25 V	78	35.5	0.2

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 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.



7.8 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, 68 % RH
Tested By	Greg Lin		

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	66.7 PK	74.0	-7.3	1.73 H	18	62.5	4.2
2	5150.00	51.1 AV	54.0	-2.9	1.73 H	18	46.9	4.2
3	*5180.00	120.3 PK			1.73 H	18	78.4	41.9
4	*5180.00	110.8 AV			1.73 H	18	68.9	41.9
5	#10360.00	57.0 PK	68.2	-11.2	2.01 H	169	46.2	10.8
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	5150.00	68.9 PK	74.0	-5.1	1.65 V	33	64.7	4.2
2	5150.00	53.5 AV	54.0	-0.5	1.65 V	33	49.3	4.2
3	*5180.00	121.8 PK			1.65 V	33	79.9	41.9
4	*5180.00	112.4 AV			1.65 V	33	70.5	41.9
5	#10360.00	57.6 PK	68.2	-10.6	1.73 V	341	46.8	10.8

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	802.11a	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, 68 % RH
Tested By	Greg Lin		

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	*5200.00	120.6 PK			1.74 H	19	78.7	41.9
2	*5200.00	111.1 AV			1.74 H	19	69.2	41.9
3	5360.00	61.7 PK	74.0	-12.3	1.74 H	19	57.8	3.9
4	5360.00	51.3 AV	54.0	-2.7	1.74 H	19	47.4	3.9
5	#10400.00	57.5 PK	68.2	-10.7	2.13 H	165	46.7	10.8
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	*5200.00	122.6 PK			1.76 V	34	80.7	41.9
2	*5200.00	112.9 AV			1.76 V	34	71.0	41.9
3	5360.00	64.8 PK	74.0	-9.2	1.76 V	34	60.9	3.9
4	5360.00	53.5 AV	54.0	-0.5	1.76 V	34	49.6	3.9
5	#10400.00	57.9 PK	68.2	-10.3	1.73 V	342	47.1	10.8

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	802.11a	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, 68 % RH
Tested By	Greg Lin		

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	120.8 PK			1.71 H	17	79.1	41.7
2	*5240.00	111.3 AV			1.71 H	17	69.6	41.7
3	5386.00	62.7 PK	74.0	-11.3	1.71 H	17	58.7	4.0
4	5386.00	51.2 AV	54.0	-2.8	1.71 H	17	47.2	4.0
5	#10480.00	57.9 PK	68.2	-10.3	2.11 H	163	46.8	11.1
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	*5240.00	122.3 PK			1.59 V	36	80.6	41.7
2	*5240.00	113.0 AV			1.59 V	36	71.3	41.7
3	5386.00	64.6 PK	74.0	-9.4	1.74 V	345	60.6	4.0
4	5386.00	53.7 AV	54.0	-0.3	1.74 V	345	49.7	4.0
5	#10480.00	58.4 PK	68.2	-9.8	1.74 V	345	47.3	11.1

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 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, 68 % RH
Tested By	Edison Lee		

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	5110.00	56.2 PK	74.0	-17.8	1.69 H	20	52.2	4.0
2	5110.00	44.1 AV	54.0	-9.9	1.69 H	20	40.1	4.0
3	*5260.00	117.2 PK			1.69 H	20	75.6	41.6
4	*5260.00	108.3 AV			1.69 H	20	66.7	41.6
5	5400.00	61.1 PK	74.0	-12.9	1.69 H	20	57.0	4.1
6	5400.00	49.3 AV	54.0	-4.7	1.69 H	20	45.2	4.1
7	#10520.00	57.1 PK	68.2	-11.1	2.09 H	172	45.9	11.2
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	5110.00	56.5 PK	74.0	-17.5	1.76 V	35	52.5	4.0
2	5110.00	44.4 AV	54.0	-9.6	1.76 V	35	40.4	4.0
3	*5260.00	119.4 PK			1.76 V	35	77.8	41.6
4	*5260.00	110.5 AV			1.76 V	35	68.9	41.6
5	5400.00	64.2 PK	74.0	-9.8	1.76 V	35	60.1	4.1
6	5400.00	52.6 AV	54.0	-1.4	1.76 V	35	48.5	4.1
7	#10520.00	57.5 PK	68.2	-10.7	1.77 V	344	46.3	11.2

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 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, 68 % RH
Tested By	Edison Lee		

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	116.7 PK			1.73 H	18	75.2	41.5
2	*5300.00	107.5 AV			1.73 H	18	66.0	41.5
3	5450.00	60.2 PK	74.0	-13.8	1.73 H	18	56.2	4.0
4	5450.00	49.2 AV	54.0	-4.8	1.73 H	18	45.2	4.0
5	10600.00	57.0 PK	74.0	-17.0	1.73 H	18	45.6	11.4
6	10600.00	44.5 AV	54.0	-9.5	1.73 H	18	33.1	11.4
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	119.3 PK			1.72 V	36	77.8	41.5
2	*5300.00	109.8 AV			1.72 V	36	68.3	41.5
3	5450.00	63.2 PK	74.0	-10.8	1.72 V	36	59.2	4.0
4	5450.00	52.2 AV	54.0	-1.8	1.72 V	36	48.2	4.0
5	10600.00	58.0 PK	74.0	-16.0	1.83 V	337	46.6	11.4
6	10600.00	45.5 AV	54.0	-8.5	1.83 V	337	34.1	11.4

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, 68 % RH
Tested By	Edison Lee		

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	116.8 PK			1.57 H	21	75.3	41.5
2	*5320.00	107.6 AV			1.57 H	21	66.1	41.5
3	5350.00	58.1 PK	74.0	-15.9	1.57 H	21	54.2	3.9
4	5350.00	45.9 AV	54.0	-8.1	1.57 H	21	42.0	3.9
5	10640.00	49.8 PK	74.0	-24.2	2.12 H	170	38.6	11.2
6	10640.00	37.6 AV	54.0	-16.4	2.12 H	170	26.4	11.2
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	*5320.00	119.2 PK			1.76 V	37	77.7	41.5
2	*5320.00	109.9 AV			1.76 V	37	68.4	41.5
3	5350.00	61.2 PK	74.0	-12.8	1.76 V	37	57.3	3.9
4	5350.00	48.2 AV	54.0	-5.8	1.76 V	37	44.3	3.9
5	10640.00	58.1 PK	74.0	-15.9	1.77 V	338	46.9	11.2
6	10640.00	45.5 AV	54.0	-8.5	1.77 V	338	34.3	11.2

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.

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, 68 % RH
Tested By	Edison Lee		

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	5350.00	60.0 PK	74.0	-14.0	1.49 H	324	56.1	3.9
2	5350.00	47.5 AV	54.0	-6.5	1.49 H	324	43.6	3.9
3	#5470.00	61.7 PK	68.2	-6.5	1.49 H	324	57.6	4.1
4	*5500.00	119.3 PK			1.49 H	324	77.4	41.9
5	*5500.00	109.9 AV			1.49 H	324	68.0	41.9
6	11000.00	57.3 PK	74.0	-16.7	2.09 H	163	46.0	11.3
7	11000.00	45.4 AV	54.0	-8.6	2.09 H	163	34.1	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	5350.00	61.1 PK	74.0	-12.9	1.18 V	307	57.2	3.9
2	5350.00	49.9 AV	54.0	-4.1	1.18 V	307	46.0	3.9
3	#5470.00	65.8 PK	68.2	-2.4	1.18 V	307	61.7	4.1
4	*5500.00	120.7 PK			1.18 V	306	78.8	41.9
5	*5500.00	111.5 AV			1.18 V	306	69.6	41.9
6	11000.00	57.8 PK	74.0	-16.2	1.73 V	329	46.5	11.3
7	11000.00	45.7 AV	54.0	-8.3	1.73 V	329	34.4	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	802.11a	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, 68 % RH
Tested By	Edison Lee		

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	117.5 PK			1.60 H	21	75.3	42.2
2	*5580.00	108.4 AV			1.60 H	21	66.2	42.2
3	11160.00	57.7 PK	74.0	-16.3	2.23 H	175	45.9	11.8
4	11160.00	45.9 AV	54.0	-8.1	2.23 H	175	34.1	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	*5580.00	119.5 PK			1.27 V	311	77.3	42.2
2	*5580.00	110.1 AV			1.27 V	311	67.9	42.2
3	11160.00	58.1 PK	74.0	-15.9	1.71 V	325	46.3	11.8
4	11160.00	46.3 AV	54.0	-7.7	1.71 V	325	34.5	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	802.11a	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, 68 % RH
Tested By	Edison Lee		

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	118.5 PK			1.66 H	1	75.5	43.0
2	*5700.00	109.4 AV			1.66 H	1	66.4	43.0
3	#5725.00	61.7 PK	68.2	-6.5	1.62 H	1	56.1	5.6
4	11400.00	58.8 PK	74.0	-15.2	2.13 H	169	46.3	12.5
5	11400.00	46.6 AV	54.0	-7.4	2.13 H	169	34.1	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	*5700.00	120.6 PK			1.65 V	310	77.6	43.0
2	*5700.00	110.6 AV			1.65 V	310	67.6	43.0
3	**#5725.00**	**68.1 PK**	**68.2**	**-0.1**	**1.65 V**	**310**	**62.5**	**5.6**
4	11400.00	59.1 PK	74.0	-14.9	1.73 V	316	46.6	12.5
5	11400.00	47.1 AV	54.0	-6.9	1.73 V	316	34.6	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	802.11a	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, 68 % RH
Tested By	Edison Lee		

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	#5470.00	60.9 PK	68.2	-7.3	1.71 H	0	56.8	4.1
2	*5720.00	118.4 PK			1.71 H	0	75.2	43.2
3	*5720.00	109.4 AV			1.71 H	0	66.2	43.2
4	#5850.00	61.6 PK	68.2	-6.6	1.71 H	0	55.8	5.8
5	11440.00	58.8 PK	74.0	-15.2	2.16 H	149	46.4	12.4
6	11440.00	46.5 AV	54.0	-7.5	2.16 H	149	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	#5470.00	61.4 PK	68.2	-6.8	1.67 V	305	57.3	4.1
2	*5720.00	119.8 PK			1.67 V	305	76.6	43.2
3	*5720.00	110.7 AV			1.67 V	305	67.5	43.2
4	#5850.00	62.1 PK	68.2	-6.1	1.67 V	305	56.3	5.8
5	11440.00	59.1 PK	74.0	-14.9	1.79 V	312	46.7	12.4
6	11440.00	46.9 AV	54.0	-7.1	1.79 V	312	34.5	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	802.11a	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, 68 % RH
Tested By	Greg Lin		

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	#5643.60	67.4 PK	68.2	-0.8	1.34 H	10	62.3	5.1
2	*5745.00	123.9 PK			1.34 H	10	80.6	43.3
3	*5745.00	113.7 AV			1.34 H	10	70.4	43.3
4	#5991.60	62.6 PK	68.2	-5.6	1.34 H	10	56.8	5.8
5	11490.00	59.1 PK	74.0	-14.9	2.09 H	153	46.9	12.2
6	11490.00	46.0 AV	54.0	-8.0	2.09 H	153	33.8	12.2
7	#17235.00	67.8 PK	68.2	-0.4	2.54 H	304	55.4	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	#5642.40	64.4 PK	68.2	-3.8	1.18 V	50	59.3	5.1
2	*5745.00	125.4 PK			1.18 V	50	82.1	43.3
3	*5745.00	115.1 AV			1.18 V	50	71.8	43.3
4	#5925.60	60.4 PK	68.2	-7.8	1.18 V	50	54.5	5.9
5	11490.00	59.8 PK	74.0	-14.2	1.61 V	347	47.6	12.2
6	11490.00	46.8 AV	54.0	-7.2	1.61 V	347	34.6	12.2
7	#17235.00	67.4 PK	68.2	-0.8	1.57 V	349	55.0	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 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, 68 % RH
Tested By	Greg Lin		

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	65.5 PK	68.2	-2.7	1.35 H	14	60.5	5.0
2	*5785.00	123.0 PK			1.35 H	14	79.6	43.4
3	*5785.00	112.8 AV			1.35 H	14	69.4	43.4
4	#5996.80	63.2 PK	68.2	-5.0	1.35 H	14	57.4	5.8
5	11570.00	58.7 PK	74.0	-15.3	2.09 H	154	46.9	11.8
6	11570.00	45.6 AV	54.0	-8.4	2.09 H	154	33.8	11.8
7	#17355.00	68.0 PK	68.2	-0.2	2.54 H	294	55.1	12.9
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	#5639.20	65.6 PK	68.2	-2.6	1.29 V	49	60.5	5.1
2	*5785.00	124.8 PK			1.29 V	49	81.4	43.4
3	*5785.00	114.6 AV			1.29 V	49	71.2	43.4
4	#5962.40	61.5 PK	68.2	-6.7	1.29 V	49	55.7	5.8
5	11570.00	59.2 PK	74.0	-14.8	1.67 V	352	47.4	11.8
6	11570.00	46.1 AV	54.0	-7.9	1.67 V	352	34.3	11.8
7	#17355.00	67.5 PK	68.2	-0.7	1.51 V	342	54.6	12.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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, 68 % RH
Tested By	Greg Lin		

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	#5628.40	62.1 PK	68.2	-6.1	1.38 H	12	57.1	5.0
2	*5825.00	122.5 PK			1.38 H	12	79.1	43.4
3	*5825.00	112.3 AV			1.38 H	12	68.9	43.4
4	#5977.60	63.5 PK	68.2	-4.7	1.38 H	12	57.7	5.8
5	11650.00	58.4 PK	74.0	-15.6	1.97 H	158	46.7	11.7
6	11650.00	45.4 AV	54.0	-8.6	1.97 H	158	33.7	11.7
7	#17475.00	68.0 PK	68.2	-0.2	2.58 H	297	55.2	12.8
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	#5642.00	63.1 PK	68.2	-5.1	1.29 V	49	58.0	5.1
2	*5825.00	124.3 PK			1.29 V	49	80.9	43.4
3	*5825.00	114.0 AV			1.29 V	49	70.6	43.4
4	#5992.80	63.3 PK	68.2	-4.9	1.29 V	49	57.5	5.8
5	11650.00	59.1 PK	74.0	-14.9	1.59 V	343	47.4	11.7
6	11650.00	46.1 AV	54.0	-7.9	1.59 V	343	34.4	11.7
7	#17475.00	67.7 PK	68.2	-0.5	2.47 V	355	54.9	12.8

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 (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, 68 % RH
Tested By	Greg Lin		

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	70.8 PK	74.0	-3.2	1.72 H	16	66.6	4.2
2	5150.00	52.9 AV	54.0	-1.1	1.72 H	16	48.7	4.2
3	*5180.00	123.3 PK			1.72 H	16	81.4	41.9
4	*5180.00	110.4 AV			1.72 H	16	68.5	41.9
5	#10360.00	57.1 PK	68.2	-11.1	2.08 H	172	46.3	10.8
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	5150.00	70.7 PK	74.0	-3.3	1.64 V	31	66.5	4.2
2	5150.00	53.7 AV	54.0	-0.3	1.64 V	31	49.5	4.2
3	*5180.00	124.7 PK			1.64 V	31	82.8	41.9
4	*5180.00	111.9 AV			1.64 V	31	70.0	41.9
5	#10360.00	57.6 PK	68.2	-10.6	1.71 V	346	46.8	10.8

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 (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, 68 % RH
Tested By	Greg Lin		

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	*5200.00	123.8 PK			1.51 H	18	81.9	41.9
2	*5200.00	111.0 AV			1.51 H	18	69.1	41.9
3	5362.00	61.3 PK	74.0	-12.7	1.51 H	18	57.4	3.9
4	5362.00	48.8 AV	54.0	-5.2	1.51 H	18	44.9	3.9
5	#10400.00	56.7 PK	68.2	-11.5	2.18 H	184	45.9	10.8
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	*5200.00	125.5 PK			1.79 V	33	83.6	41.9
2	*5200.00	112.6 AV			1.79 V	33	70.7	41.9
3	5362.00	65.6 PK	74.0	-8.4	1.76 V	33	61.7	3.9
4	5362.00	53.6 AV	54.0	-0.4	1.76 V	33	49.7	3.9
5	#10400.00	57.6 PK	68.2	-10.6	1.85 V	337	46.8	10.8

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 (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, 68 % RH
Tested By	Greg Lin		

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	123.2 PK			1.78 H	15	81.5	41.7
2	*5240.00	110.3 AV			1.78 H	15	68.6	41.7
3	5385.00	63.7 PK	74.0	-10.3	1.78 H	15	59.7	4.0
4	5385.00	52.2 AV	54.0	-1.8	1.78 H	15	48.2	4.0
5	#10480.00	57.7 PK	68.2	-10.5	2.19 H	167	46.6	11.1
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	*5240.00	125.1 PK			1.66 V	33	83.4	41.7
2	*5240.00	112.3 AV			1.66 V	33	70.6	41.7
3	5385.00	65.2 PK	74.0	-8.8	1.66 V	33	61.2	4.0
4	5385.00	53.8 AV	54.0	-0.2	1.66 V	33	49.8	4.0
5	#10480.00	58.0 PK	68.2	-10.2	1.82 V	336	46.9	11.1

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 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, 68 % RH
Tested By	Edison Lee		

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	5110.00	56.6 PK	74.0	-17.4	1.68 H	20	52.6	4.0
2	5110.00	44.0 AV	54.0	-10.0	1.68 H	20	40.0	4.0
3	*5260.00	120.0 PK			1.68 H	20	78.4	41.6
4	*5260.00	107.6 AV			1.68 H	20	66.0	41.6
5	5400.00	60.6 PK	74.0	-13.4	1.68 H	20	56.5	4.1
6	5400.00	48.5 AV	54.0	-5.5	1.68 H	20	44.4	4.1
7	#10520.00	57.3 PK	68.2	-10.9	2.10 H	166	46.1	11.2
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	5110.00	57.2 PK	74.0	-16.8	1.75 V	34	53.2	4.0
2	5110.00	45.0 AV	54.0	-9.0	1.75 V	34	41.0	4.0
3	*5260.00	122.1 PK			1.75 V	34	80.5	41.6
4	*5260.00	109.8 AV			1.75 V	34	68.2	41.6
5	5400.00	64.8 PK	74.0	-9.2	1.75 V	34	60.7	4.1
6	5400.00	52.6 AV	54.0	-1.4	1.75 V	34	48.5	4.1
7	#10520.00	57.9 PK	68.2	-10.3	1.75 V	340	46.7	11.2

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 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, 68 % RH
Tested By	Edison Lee		

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	119.5 PK			1.71 H	20	78.0	41.5
2	*5300.00	107.1 AV			1.71 H	20	65.6	41.5
3	5450.00	61.3 PK	74.0	-12.7	1.71 H	20	57.3	4.0
4	5450.00	48.9 AV	54.0	-5.1	1.71 H	20	44.9	4.0
5	10600.00	57.7 PK	74.0	-16.3	2.00 H	173	46.3	11.4
6	10600.00	45.3 AV	54.0	-8.7	2.00 H	173	33.9	11.4
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	122.0 PK			1.76 V	37	80.5	41.5
2	*5300.00	110.2 AV			1.76 V	37	68.7	41.5
3	5450.00	64.3 PK	74.0	-9.7	1.76 V	37	60.3	4.0
4	5450.00	52.1 AV	54.0	-1.9	1.76 V	37	48.1	4.0
5	10600.00	57.9 PK	74.0	-16.1	1.80 V	331	46.5	11.4
6	10600.00	45.7 AV	54.0	-8.3	1.80 V	331	34.3	11.4

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, 68 % RH
Tested By	Edison Lee		

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	119.4 PK			1.57 H	18	77.9	41.5
2	*5320.00	107.1 AV			1.57 H	18	65.6	41.5
3	5350.00	59.4 PK	74.0	-14.6	1.57 H	18	55.5	3.9
4	5350.00	46.0 AV	54.0	-8.0	1.57 H	18	42.1	3.9
5	10640.00	57.5 PK	74.0	-16.5	2.11 H	170	46.3	11.2
6	10640.00	45.2 AV	54.0	-8.8	2.11 H	170	34.0	11.2
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	*5320.00	123.3 PK			1.84 V	35	81.8	41.5
2	*5320.00	110.5 AV			1.84 V	35	69.0	41.5
3	5350.00	63.9 PK	74.0	-10.1	1.84 V	35	60.0	3.9
4	5350.00	49.5 AV	54.0	-4.5	1.84 V	35	45.6	3.9
5	10640.00	57.8 PK	74.0	-16.2	1.83 V	332	46.6	11.2
6	10640.00	45.7 AV	54.0	-8.3	1.83 V	332	34.5	11.2

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.

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, 68 % RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.6 PK	74.0	-14.4	1.31 H	325	55.5	4.1
2	5460.00	47.9 AV	54.0	-6.1	1.31 H	325	43.8	4.1
3	#5470.00	62.1 PK	68.2	-6.1	1.31 H	325	58.0	4.1
4	*5500.00	121.8 PK			1.31 H	325	79.9	41.9
5	*5500.00	109.5 AV			1.31 H	325	67.6	41.9
6	11000.00	57.6 PK	74.0	-16.4	2.30 H	169	46.3	11.3
7	11000.00	45.5 AV	54.0	-8.5	2.30 H	169	34.2	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	5350.00	62.7 PK	74.0	-11.3	1.28 V	307	58.8	3.9
2	5350.00	50.4 AV	54.0	-3.6	1.28 V	307	46.5	3.9
3	**#5470.00**	**68.1 PK**	**68.2**	**-0.1**	**1.28 V**	**307**	**64.0**	**4.1**
4	*5500.00	123.9 PK			1.28 V	307	82.0	41.9
5	*5500.00	111.1 AV			1.28 V	307	69.2	41.9
6	11000.00	58.1 PK	74.0	-15.9	1.78 V	327	46.8	11.3
7	11000.00	45.7 AV	54.0	-8.3	1.78 V	327	34.4	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 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, 68 % RH
Tested By	Edison Lee		

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	122.2 PK			1.38 H	348	80.0	42.2
2	*5580.00	109.7 AV			1.38 H	348	67.5	42.2
3	11160.00	58.4 PK	74.0	-15.6	2.10 H	137	46.6	11.8
4	11160.00	46.0 AV	54.0	-8.0	2.10 H	137	34.2	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	*5580.00	123.6 PK			1.38 V	309	81.4	42.2
2	*5580.00	110.7 AV			1.38 V	309	68.5	42.2
3	11160.00	58.7 PK	74.0	-15.3	1.73 V	337	46.9	11.8
4	11160.00	46.4 AV	54.0	-7.6	1.73 V	337	34.6	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 (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, 68 % RH
Tested By	Edison Lee		

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	121.8 PK			1.01 H	359	78.8	43.0
2	*5700.00	110.1 AV			1.01 H	359	67.1	43.0
3	#5725.00	67.6 PK	68.2	-0.6	1.01 H	359	62.0	5.6
4	11400.00	59.0 PK	74.0	-15.0	2.14 H	138	46.5	12.5
5	11400.00	46.6 AV	54.0	-7.4	2.14 H	138	34.1	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	*5700.00	123.5 PK			1.52 V	311	80.5	43.0
2	*5700.00	110.9 AV			1.52 V	311	67.9	43.0
3	**#5725.00**	**68.1 PK**	**68.2**	**-0.1**	**1.52 V**	**311**	**62.5**	**5.6**
4	11400.00	59.5 PK	74.0	-14.5	1.62 V	337	47.0	12.5
5	11400.00	47.0 AV	54.0	-7.0	1.62 V	337	34.5	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 (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, 68 % RH
Tested By	Edison Lee		

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	#5470.00	60.6 PK	68.2	-7.6	1.03 H	360	56.5	4.1
2	*5720.00	121.6 PK			1.03 H	360	78.4	43.2
3	*5720.00	110.3 AV			1.03 H	360	67.1	43.2
4	#5850.00	63.4 PK	68.2	-4.8	1.03 H	360	57.6	5.8
5	11440.00	59.3 PK	74.0	-14.7	1.76 H	349	46.9	12.4
6	11440.00	46.9 AV	54.0	-7.1	1.76 H	349	34.5	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	#5470.00	61.7 PK	68.2	-6.5	1.58 V	311	57.6	4.1
2	*5720.00	124.4 PK			1.58 V	311	81.2	43.2
3	*5720.00	111.1 AV			1.58 V	311	67.9	43.2
4	#5850.00	60.8 PK	68.2	-7.4	1.58 V	311	55.0	5.8
5	11440.00	59.5 PK	74.0	-14.5	1.70 V	351	47.1	12.4
6	11440.00	47.0 AV	54.0	-7.0	1.70 V	351	34.6	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 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, 68 % RH
Tested By	Greg Lin		

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	#5635.20	66.1 PK	68.2	-2.1	1.31 H	16	61.0	5.1
2	*5745.00	125.1 PK			1.31 H	16	81.8	43.3
3	*5745.00	112.4 AV			1.31 H	16	69.1	43.3
4	#5966.80	62.4 PK	68.2	-5.8	1.31 H	16	56.6	5.8
5	11490.00	59.1 PK	74.0	-14.9	2.14 H	159	46.9	12.2
6	11490.00	46.0 AV	54.0	-8.0	2.14 H	159	33.8	12.2
7	#17235.00	68.0 PK	68.2	-0.2	2.84 H	296	55.6	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	#5648.40	67.0 PK	68.2	-1.2	1.45 V	22	61.9	5.1
2	*5745.00	126.6 PK			1.45 V	22	83.3	43.3
3	*5745.00	113.9 AV			1.45 V	22	70.6	43.3
4	#5927.20	63.3 PK	68.2	-4.9	1.45 V	22	57.4	5.9
5	11490.00	59.9 PK	74.0	-14.1	1.53 V	332	47.7	12.2
6	11490.00	46.8 AV	54.0	-7.2	1.53 V	332	34.6	12.2
7	#17235.00	67.5 PK	68.2	-0.7	1.54 V	341	55.1	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.
6. " # ": The radiated frequency is out of the restricted band.

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, 68 % RH
Tested By	Greg Lin		

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	#5638.80	66.1 PK	68.2	-2.1	1.33 H	10	61.0	5.1
2	*5785.00	124.5 PK			1.33 H	10	81.1	43.4
3	*5785.00	111.7 AV			1.33 H	10	68.3	43.4
4	#5934.40	62.5 PK	68.2	-5.7	1.33 H	10	56.7	5.8
5	11570.00	58.9 PK	74.0	-15.1	2.18 H	169	47.1	11.8
6	11570.00	45.6 AV	54.0	-8.4	2.18 H	169	33.8	11.8
7	#17355.00	68.0 PK	68.2	-0.2	2.76 H	298	55.1	12.9
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	#5636.40	65.8 PK	68.2	-2.4	1.43 V	24	60.7	5.1
2	*5785.00	125.8 PK			1.43 V	24	82.4	43.4
3	*5785.00	113.1 AV			1.43 V	24	69.7	43.4
4	#5959.20	62.8 PK	68.2	-5.4	1.43 V	24	57.0	5.8
5	11570.00	59.4 PK	74.0	-14.6	1.73 V	351	47.6	11.8
6	11570.00	46.2 AV	54.0	-7.8	1.73 V	351	34.4	11.8
7	#17355.00	67.7 PK	68.2	-0.5	1.62 V	338	54.8	12.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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, 68 % RH
Tested By	Greg Lin		

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	#5613.60	61.5 PK	68.2	-6.7	1.36 H	17	56.6	4.9
2	*5825.00	124.2 PK			1.36 H	17	80.8	43.4
3	*5825.00	111.5 AV			1.36 H	17	68.1	43.4
4	#5987.20	62.9 PK	68.2	-5.3	1.36 H	17	57.1	5.8
5	11650.00	58.7 PK	74.0	-15.3	2.01 H	158	47.0	11.7
6	11650.00	45.6 AV	54.0	-8.4	2.01 H	158	33.9	11.7
7	#17475.00	68.0 PK	68.2	-0.2	2.62 H	293	55.2	12.8
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	#5636.80	62.1 PK	68.2	-6.1	1.35 V	48	57.0	5.1
2	*5825.00	125.7 PK			1.35 V	48	82.3	43.4
3	*5825.00	112.9 AV			1.35 V	48	69.5	43.4
4	#5991.60	63.4 PK	68.2	-4.8	1.35 V	48	57.6	5.8
5	11650.00	59.3 PK	74.0	-14.7	1.62 V	335	47.6	11.7
6	11650.00	46.1 AV	54.0	-7.9	1.62 V	335	34.4	11.7
7	#17475.00	67.4 PK	68.2	-0.8	1.51 V	350	54.6	12.8

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 (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, 68 % RH
Tested By	Greg Lin		

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	5142.00	66.4 PK	74.0	-7.6	1.74 H	15	62.2	4.2
2	5142.00	50.5 AV	54.0	-3.5	1.74 H	15	46.3	4.2
3	*5190.00	120.5 PK			1.74 H	15	78.7	41.8
4	*5190.00	107.3 AV			1.74 H	15	65.5	41.8
5	#10380.00	57.4 PK	68.2	-10.8	2.07 H	168	46.6	10.8
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	5142.00	70.8 PK	74.0	-3.2	1.72 V	33	66.6	4.2
2	5142.00	53.8 AV	54.0	-0.2	1.72 V	33	49.6	4.2
3	*5190.00	122.2 PK			1.72 V	33	80.4	41.8
4	*5190.00	109.1 AV			1.72 V	33	67.3	41.8
5	#10380.00	57.7 PK	68.2	-10.5	1.76 V	348	46.9	10.8

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 (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, 68 % RH
Tested By	Greg Lin		

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	5142.00	68.1 PK	74.0	-5.9	1.79 H	18	63.9	4.2
2	5142.00	52.5 AV	54.0	-1.5	1.79 H	18	48.3	4.2
3	*5230.00	121.7 PK			1.79 H	18	79.9	41.8
4	*5230.00	108.6 AV			1.79 H	18	66.8	41.8
5	#10460.00	57.8 PK	68.2	-10.4	2.05 H	161	46.7	11.1
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	5142.00	70.3 PK	74.0	-3.7	1.70 V	36	66.1	4.2
2	5142.00	53.5 AV	54.0	-0.5	1.70 V	36	49.3	4.2
3	*5230.00	123.2 PK			1.70 V	36	81.4	41.8
4	*5230.00	110.3 AV			1.70 V	36	68.5	41.8
5	#10460.00	58.2 PK	68.2	-10.0	1.73 V	344	47.1	11.1

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 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, 68 % RH
Tested By	Edison Lee		

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	55.6 PK	74.0	-18.4	1.51 H	21	51.4	4.2
2	5150.00	43.2 AV	54.0	-10.8	1.51 H	21	39.0	4.2
3	*5270.00	118.0 PK			1.51 H	21	76.4	41.6
4	*5270.00	105.0 AV			1.51 H	21	63.4	41.6
5	5410.00	60.3 PK	74.0	-13.7	1.51 H	21	56.2	4.1
6	5410.00	46.9 AV	54.0	-7.1	1.51 H	21	42.8	4.1
7	#10540.00	57.4 PK	68.2	-10.8	2.16 H	168	46.1	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	5150.00	56.9 PK	74.0	-17.1	1.66 V	35	52.7	4.2
2	5150.00	44.7 AV	54.0	-9.3	1.66 V	35	40.5	4.2
3	*5270.00	120.0 PK			1.66 V	35	78.4	41.6
4	*5270.00	107.0 AV			1.66 V	35	65.4	41.6
5	5410.00	62.6 PK	74.0	-11.4	1.66 V	35	58.5	4.1
6	5410.00	51.6 AV	54.0	-2.4	1.66 V	35	47.5	4.1
7	#10540.00	57.7 PK	68.2	-10.5	1.77 V	345	46.4	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 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, 68 % RH
Tested By	Edison Lee		

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	117.0 PK			1.51 H	19	75.5	41.5
2	*5310.00	104.9 AV			1.51 H	19	63.4	41.5
3	5350.00	61.7 PK	74.0	-12.3	1.51 H	19	57.8	3.9
4	5350.00	47.9 AV	54.0	-6.1	1.51 H	19	44.0	3.9
5	10620.00	57.3 PK	74.0	-16.7	2.23 H	165	46.1	11.2
6	10620.00	45.1 AV	54.0	-8.9	2.23 H	165	33.9	11.2
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	*5310.00	119.2 PK			1.73 V	37	77.7	41.5
2	*5310.00	106.5 AV			1.73 V	37	65.0	41.5
3	5350.00	64.1 PK	74.0	-9.9	1.73 V	37	60.2	3.9
4	5350.00	50.1 AV	54.0	-3.9	1.73 V	37	46.2	3.9
5	10620.00	57.7 PK	74.0	-16.3	1.76 V	319	46.5	11.2
6	10620.00	45.7 AV	54.0	-8.3	1.76 V	319	34.5	11.2

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.

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, 68 % RH
Tested By	Edison Lee		

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	63.4 PK	74.0	-10.6	1.11 H	350	59.3	4.1
2	5460.00	50.1 AV	54.0	-3.9	1.11 H	350	46.0	4.1
3	#5470.00	67.5 PK	68.2	-0.7	1.11 H	350	63.4	4.1
4	*5510.00	119.8 PK			1.11 H	350	77.8	42.0
5	*5510.00	107.4 AV			1.11 H	350	65.4	42.0
6	11020.00	58.0 PK	74.0	-16.0	2.15 H	137	46.6	11.4
7	11020.00	45.3 AV	54.0	-8.7	2.15 H	137	33.9	11.4
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	5460.00	66.1 PK	74.0	-7.9	1.24 V	307	62.0	4.1
2	5460.00	52.3 AV	54.0	-1.7	1.24 V	307	48.2	4.1
3	#5470.00	67.8 PK	68.2	-0.4	1.24 V	307	63.7	4.1
4	*5510.00	121.1 PK			1.24 V	307	79.1	42.0
5	*5510.00	108.4 AV			1.24 V	307	66.4	42.0
6	11020.00	58.3 PK	74.0	-15.7	1.59 V	346	46.9	11.4
7	11020.00	45.7 AV	54.0	-8.3	1.59 V	346	34.3	11.4

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 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, 68 % RH
Tested By	Edison Lee		

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	120.3 PK			1.07 H	358	78.2	42.1
2	*5550.00	107.5 AV			1.07 H	358	65.4	42.1
3	11100.00	58.1 PK	74.0	-15.9	2.13 H	137	46.5	11.6
4	11100.00	45.6 AV	54.0	-8.4	2.13 H	137	34.0	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	*5550.00	122.0 PK			1.34 V	304	79.9	42.1
2	*5550.00	108.4 AV			1.34 V	304	66.3	42.1
3	11100.00	58.4 PK	74.0	-15.6	1.63 V	345	46.8	11.6
4	11100.00	45.9 AV	54.0	-8.1	1.63 V	345	34.3	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.

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, 68 % RH
Tested By	Edison Lee		

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	119.1 PK			1.01 H	358	76.2	42.9
2	*5670.00	106.9 AV			1.01 H	358	64.0	42.9
3	#5725.00	62.6 PK	68.2	-5.6	1.01 H	358	57.0	5.6
4	11340.00	58.6 PK	74.0	-15.4	2.19 H	150	46.3	12.3
5	11340.00	46.5 AV	54.0	-7.5	2.19 H	150	34.2	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	*5670.00	120.5 PK			1.55 V	311	77.6	42.9
2	*5670.00	107.5 AV			1.55 V	311	64.6	42.9
3	#5725.00	63.0 PK	68.2	-5.2	1.55 V	311	57.4	5.6
4	11340.00	59.3 PK	74.0	-14.7	1.59 V	340	47.0	12.3
5	11340.00	46.8 AV	54.0	-7.2	1.59 V	340	34.5	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 (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, 68 % RH
Tested By	Edison Lee		

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	#5470.00	57.3 PK	68.2	-10.9	1.00 H	359	53.2	4.1
2	*5710.00	120.3 PK			1.00 H	359	77.2	43.1
3	*5710.00	107.6 AV			1.00 H	359	64.5	43.1
4	#5850.00	59.9 PK	68.2	-8.3	1.00 H	359	54.1	5.8
5	11420.00	58.9 PK	74.0	-15.1	1.59 H	340	46.4	12.5
6	11420.00	46.8 AV	54.0	-7.2	1.59 H	340	34.3	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	#5470.00	58.4 PK	68.2	-9.8	1.56 V	311	54.3	4.1
2	*5710.00	121.2 PK			1.56 V	311	78.1	43.1
3	*5710.00	108.7 AV			1.56 V	311	65.6	43.1
4	#5850.00	61.0 PK	68.2	-7.2	1.56 V	311	55.2	5.8
5	11420.00	59.6 PK	74.0	-14.4	1.73 V	342	47.1	12.5
6	11420.00	47.1 AV	54.0	-6.9	1.73 V	342	34.6	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 (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, 68 % RH
Tested By	Greg Lin		

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	#5648.40	67.7 PK	68.2	-0.5	1.30 H	18	62.6	5.1
2	*5755.00	122.7 PK			1.30 H	18	79.4	43.3
3	*5755.00	109.6 AV			1.30 H	18	66.3	43.3
4	#5976.00	63.1 PK	68.2	-5.1	1.30 H	18	57.3	5.8
5	11510.00	59.0 PK	74.0	-15.0	2.08 H	153	46.9	12.1
6	11510.00	45.9 AV	54.0	-8.1	2.08 H	153	33.8	12.1
7	#17265.00	65.2 PK	68.2	-3.0	2.89 H	293	52.8	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	#5642.00	67.9 PK	68.2	-0.3	1.40 V	49	62.8	5.1
2	*5755.00	123.9 PK			1.40 V	49	80.6	43.3
3	*5755.00	111.0 AV			1.40 V	49	67.7	43.3
4	#5982.00	63.0 PK	68.2	-5.2	1.40 V	49	57.2	5.8
5	11510.00	59.4 PK	74.0	-14.6	1.53 V	337	47.3	12.1
6	11510.00	46.4 AV	54.0	-7.6	1.53 V	337	34.3	12.1
7	#17265.00	64.7 PK	68.2	-3.5	1.62 V	348	52.3	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 (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, 68 % RH
Tested By	Greg Lin		

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	#5648.00	66.2 PK	68.2	-2.0	1.37 H	16	61.1	5.1
2	*5795.00	122.5 PK			1.37 H	16	79.1	43.4
3	*5795.00	109.3 AV			1.37 H	16	65.9	43.4
4	#5975.60	61.6 PK	68.2	-6.6	1.37 H	16	55.8	5.8
5	11590.00	58.8 PK	74.0	-15.2	2.18 H	162	47.1	11.7
6	11590.00	45.6 AV	54.0	-8.4	2.18 H	162	33.9	11.7
7	#17385.00	67.5 PK	68.2	-0.7	2.91 H	295	54.4	13.1
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	#5645.60	67.9 PK	68.2	-0.3	1.49 V	49	62.8	5.1
2	*5795.00	123.6 PK			1.49 V	49	80.2	43.4
3	*5795.00	110.8 AV			1.49 V	49	67.4	43.4
4	#5995.20	63.4 PK	68.2	-4.8	1.49 V	49	57.6	5.8
5	11590.00	59.2 PK	74.0	-14.8	1.64 V	339	47.5	11.7
6	11590.00	46.0 AV	54.0	-8.0	1.64 V	339	34.3	11.7
7	#17385.00	67.0 PK	68.2	-1.2	1.59 V	347	53.9	13.1

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 (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, 68 % RH
Tested By	Greg Lin		

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	5140.00	68.2 PK	74.0	-5.8	1.73 H	19	64.0	4.2
2	5140.00	52.8 AV	54.0	-1.2	1.73 H	19	48.6	4.2
3	*5210.00	116.2 PK			1.73 H	19	74.3	41.9
4	*5210.00	103.3 AV			1.73 H	19	61.4	41.9
5	#10420.00	57.3 PK	68.2	-10.9	2.13 H	174	46.4	10.9
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	5140.00	68.1 PK	74.0	-5.9	1.70 V	35	63.9	4.2
2	5140.00	53.6 AV	54.0	-0.4	1.70 V	35	49.4	4.2
3	*5210.00	118.2 PK			1.70 V	35	76.3	41.9
4	*5210.00	105.3 AV			1.70 V	35	63.4	41.9
5	#10420.00	57.7 PK	68.2	-10.5	1.70 V	352	46.8	10.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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, 68 % RH
Tested By	Edison Lee		

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	113.5 PK			1.64 H	20	72.0	41.5
2	*5290.00	101.4 AV			1.64 H	20	59.9	41.5
3	5350.00	62.6 PK	74.0	-11.4	1.64 H	20	58.7	3.9
4	5350.00	49.8 AV	54.0	-4.2	1.64 H	20	45.9	3.9
5	#10580.00	57.4 PK	68.2	-10.8	2.16 H	169	46.1	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	*5290.00	116.2 PK			1.63 V	35	74.7	41.5
2	*5290.00	103.5 AV			1.63 V	35	62.0	41.5
3	5350.00	65.0 PK	74.0	-9.0	1.63 V	35	61.1	3.9
4	5350.00	52.4 AV	54.0	-1.6	1.63 V	35	48.5	3.9
5	#10580.00	57.7 PK	68.2	-10.5	1.80 V	348	46.4	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 (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, 68 % RH
Tested By	Edison Lee		

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	66.6 PK	74.0	-7.4	1.11 H	347	62.5	4.1
2	5460.00	53.0 AV	54.0	-1.0	1.11 H	347	48.9	4.1
3	#5470.00	65.7 PK	68.2	-2.5	1.11 H	347	61.6	4.1
4	*5530.00	116.0 PK			1.11 H	347	74.0	42.0
5	*5530.00	102.6 AV			1.11 H	347	60.6	42.0
6	11060.00	57.7 PK	74.0	-16.3	2.03 H	167	46.2	11.5
7	11060.00	45.5 AV	54.0	-8.5	2.03 H	167	34.0	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	68.7 PK	74.0	-5.3	1.42 V	309	64.6	4.1
2	5460.00	53.3 AV	54.0	-0.7	1.42 V	309	49.2	4.1
3	#5470.00	65.1 PK	68.2	-3.1	1.42 V	309	61.0	4.1
4	*5530.00	116.5 PK			1.42 V	309	74.5	42.0
5	*5530.00	103.8 AV			1.42 V	309	61.8	42.0
6	11060.00	58.3 PK	74.0	-15.7	1.69 V	343	46.8	11.5
7	11060.00	45.8 AV	54.0	-8.2	1.69 V	343	34.3	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 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, 68 % RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.1 PK	74.0	-13.9	1.14 H	350	56.0	4.1
2	5460.00	47.2 AV	54.0	-6.8	1.14 H	350	43.1	4.1
3	#5470.00	61.1 PK	68.2	-7.1	1.14 H	350	57.0	4.1
4	*5610.00	115.5 PK			1.14 H	350	73.1	42.4
5	*5610.00	102.4 AV			1.14 H	350	60.0	42.4
6	#5725.00	60.9 PK	68.2	-7.3	1.14 H	350	55.3	5.6
7	11220.00	58.3 PK	74.0	-15.7	2.09 H	149	46.3	12.0
8	11220.00	46.0 AV	54.0	-8.0	2.09 H	149	34.0	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	5460.00	59.9 PK	74.0	-14.1	1.52 V	312	55.8	4.1
2	5460.00	48.1 AV	54.0	-5.9	1.52 V	312	44.0	4.1
3	#5470.00	60.6 PK	68.2	-7.6	1.52 V	312	56.5	4.1
4	*5610.00	116.4 PK			1.52 V	312	74.0	42.4
5	*5610.00	104.1 AV			1.52 V	312	61.7	42.4
6	#5725.00	61.1 PK	68.2	-7.1	1.52 V	312	55.5	5.6
7	11220.00	58.9 PK	74.0	-15.1	1.73 V	345	46.9	12.0
8	11220.00	46.5 AV	54.0	-7.5	1.73 V	345	34.5	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 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, 68 % RH
Tested By	Edison Lee		

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	#5470.00	57.7 PK	68.2	-10.5	1.13 H	358	53.6	4.1
2	*5690.00	115.3 PK			1.13 H	358	72.3	43.0
3	*5690.00	102.8 AV			1.13 H	358	59.8	43.0
4	#5850.00	59.8 PK	68.2	-8.4	1.13 H	358	54.0	5.8
5	11380.00	59.0 PK	74.0	-15.0	2.11 H	173	46.5	12.5
6	11380.00	46.4 AV	54.0	-7.6	2.11 H	173	33.9	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	#5470.00	58.6 PK	68.2	-9.6	1.55 V	312	54.5	4.1
2	*5690.00	117.0 PK			1.55 V	312	74.0	43.0
3	*5690.00	104.1 AV			1.55 V	312	61.1	43.0
4	#5850.00	60.8 PK	68.2	-7.4	1.55 V	312	55.0	5.8
5	11380.00	59.5 PK	74.0	-14.5	1.65 V	347	47.0	12.5
6	11380.00	46.8 AV	54.0	-7.2	1.65 V	347	34.3	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 (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, 68 % RH
Tested By	Greg Lin		

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	#5644.40	66.5 PK	68.2	-1.7	1.10 H	3	61.4	5.1
2	*5775.00	119.2 PK			1.10 H	3	75.8	43.4
3	*5775.00	105.9 AV			1.10 H	3	62.5	43.4
4	#5981.20	62.2 PK	68.2	-6.0	1.10 H	3	56.4	5.8
5	11550.00	58.7 PK	74.0	-15.3	2.14 H	159	46.8	11.9
6	11550.00	45.7 AV	54.0	-8.3	2.14 H	159	33.8	11.9
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	#5642.00	67.8 PK	68.2	-0.4	1.28 V	50	62.7	5.1
2	*5775.00	120.3 PK			1.28 V	50	76.9	43.4
3	*5775.00	107.0 AV			1.28 V	50	63.6	43.4
4	#5997.20	61.8 PK	68.2	-6.4	1.28 V	50	56.0	5.8
5	11550.00	59.3 PK	74.0	-14.7	1.62 V	334	47.4	11.9
6	11550.00	46.2 AV	54.0	-7.8	1.62 V	334	34.3	11.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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, 68 % RH
Tested By	Edison Lee		

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	63.5 PK	74.0	-10.5	1.50 H	20	59.3	4.2
2	5150.00	49.6 AV	54.0	-4.4	1.50 H	20	45.4	4.2
3	*5250.00	111.5 PK			1.50 H	20	69.8	41.7
4	*5250.00	98.2 AV			1.50 H	20	56.5	41.7
5	5350.00	65.1 PK	74.0	-8.9	1.50 H	20	61.2	3.9
6	5350.00	51.9 AV	54.0	-2.1	1.50 H	20	48.0	3.9
7	#10500.00	57.3 PK	68.2	-10.9	2.20 H	174	46.1	11.2
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	64.3 PK	74.0	-9.7	1.65 V	35	60.1	4.2
2	5150.00	51.2 AV	54.0	-2.8	1.65 V	35	47.0	4.2
3	*5250.00	113.4 PK			1.65 V	35	71.7	41.7
4	*5250.00	100.4 AV			1.65 V	35	58.7	41.7
5	5350.00	67.7 PK	74.0	-6.3	1.65 V	35	63.8	3.9
6	5350.00	53.8 AV	54.0	-0.2	1.65 V	35	49.9	3.9
7	#10500.00	57.6 PK	68.2	-10.6	1.77 V	342	46.4	11.2

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 (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, 68 % RH
Tested By	Edison Lee		

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	66.3 PK	74.0	-7.7	1.00 H	348	62.2	4.1
2	5460.00	53.1 AV	54.0	-0.9	1.00 H	348	49.0	4.1
3	#5470.00	66.2 PK	68.2	-2.0	1.00 H	348	62.1	4.1
4	*5570.00	111.3 PK			1.00 H	348	69.1	42.2
5	*5570.00	99.7 AV			1.00 H	348	57.5	42.2
6	#5725.00	62.1 PK	68.2	-6.1	1.00 H	348	56.5	5.6
7	11140.00	58.4 PK	74.0	-15.6	2.03 H	140	46.5	11.9
8	11140.00	45.9 AV	54.0	-8.1	2.03 H	140	34.0	11.9
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	67.3 PK	74.0	-6.7	1.37 V	310	63.2	4.1
2	5460.00	53.7 AV	54.0	-0.3	1.37 V	310	49.6	4.1
3	#5470.00	65.6 PK	68.2	-2.6	1.37 V	310	61.5	4.1
4	*5570.00	113.0 PK			1.37 V	310	70.8	42.2
5	*5570.00	101.2 AV			1.37 V	310	59.0	42.2
6	#5725.00	62.0 PK	68.2	-6.2	1.37 V	310	56.4	5.6
7	11140.00	58.7 PK	74.0	-15.3	1.68 V	354	46.8	11.9
8	11140.00	46.4 AV	54.0	-7.6	1.68 V	354	34.5	11.9

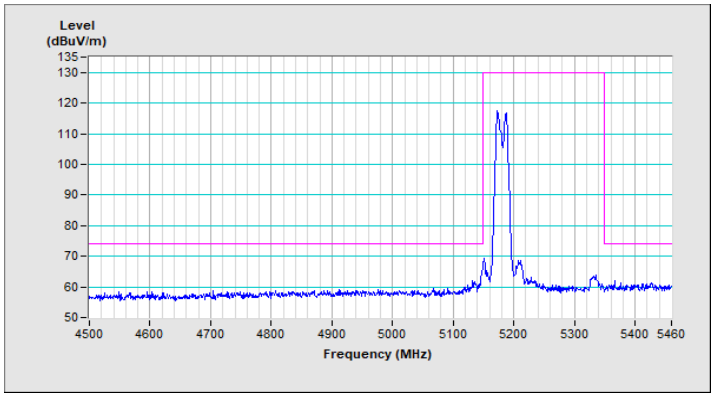
Remarks:

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

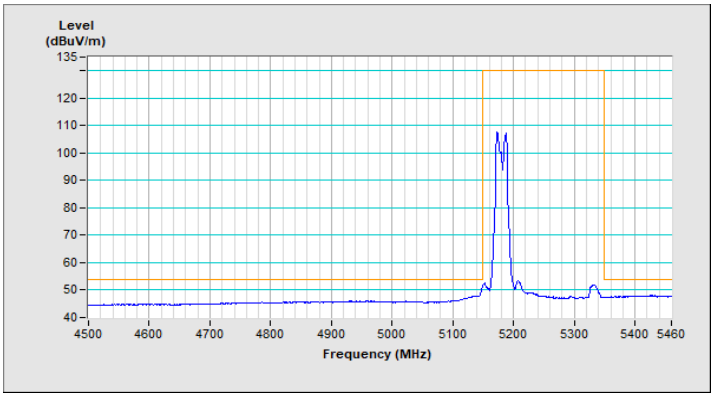
Plot of Band Edge

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

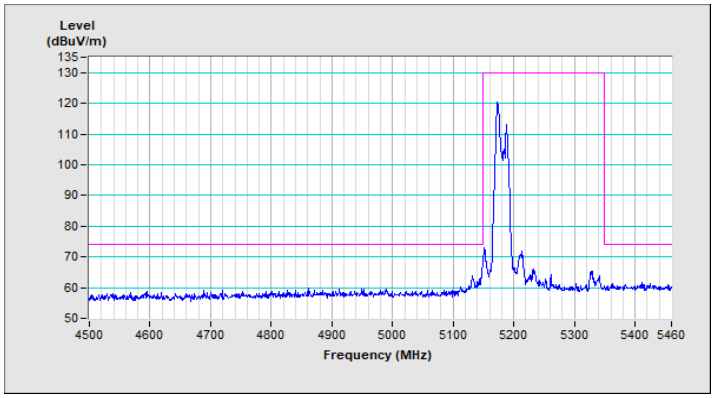
802.11a Channel 36



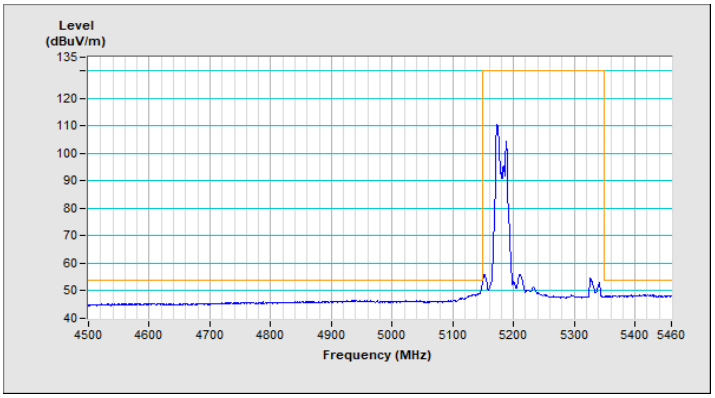
Horizontal (Peak)



Horizontal (Average)

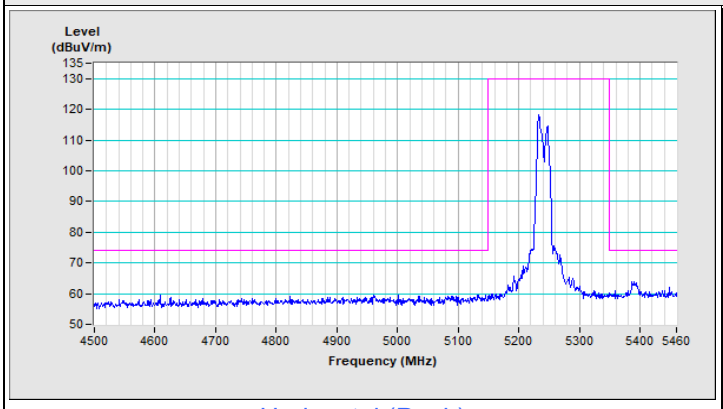


Vertical (Peak)

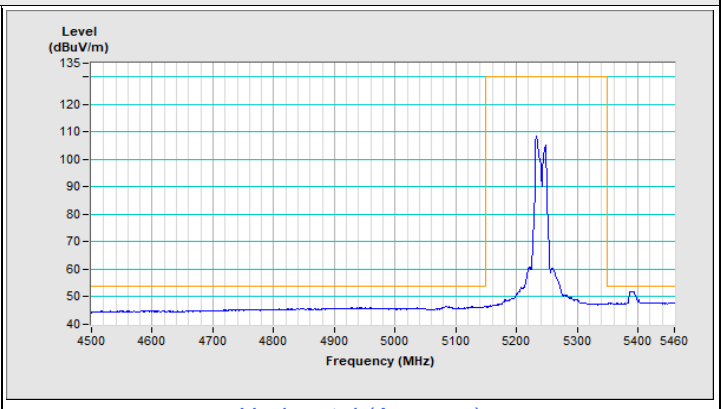


Vertical (Average)

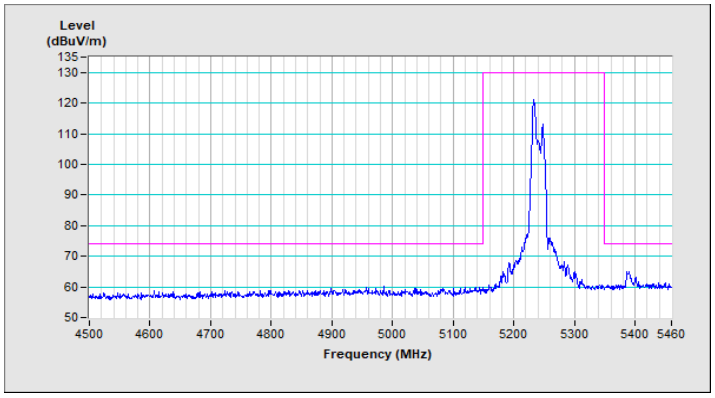
802.11a Channel 48



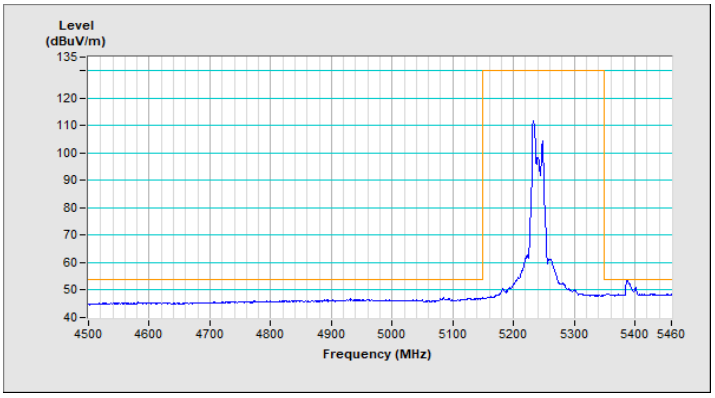
Horizontal (Peak)



Horizontal (Average)

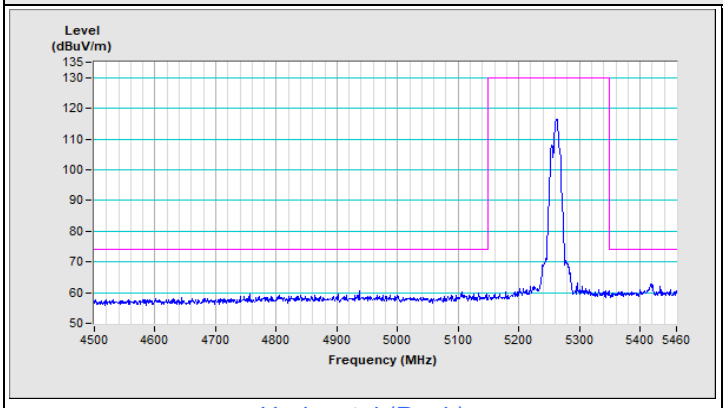


Vertical (Peak)

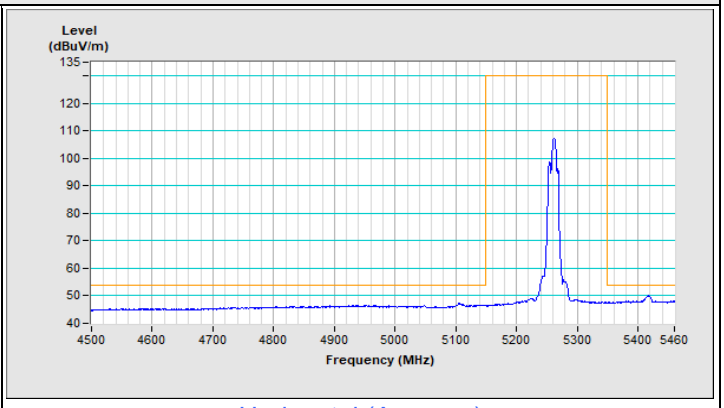


Vertical (Average)

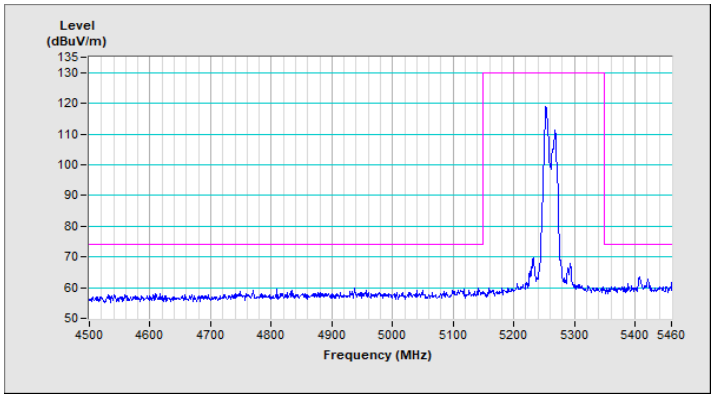
802.11a Channel 52



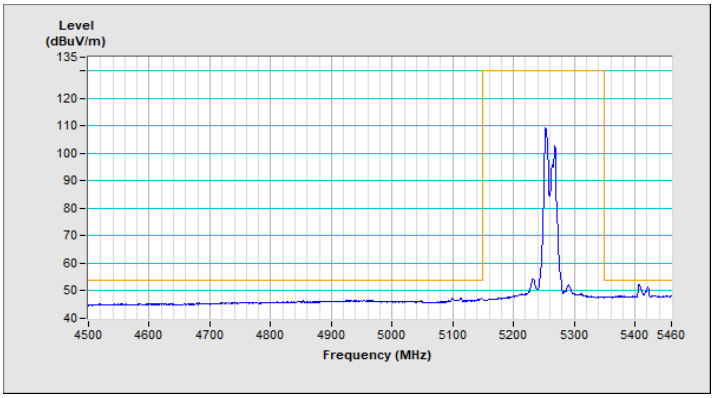
Horizontal (Peak)



Horizontal (Average)

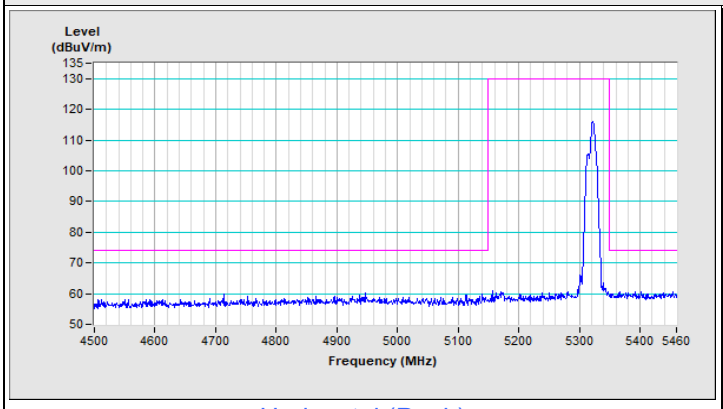


Vertical (Peak)

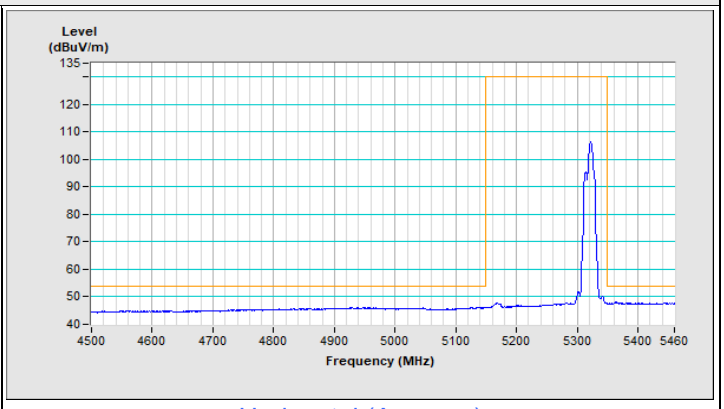


Vertical (Average)

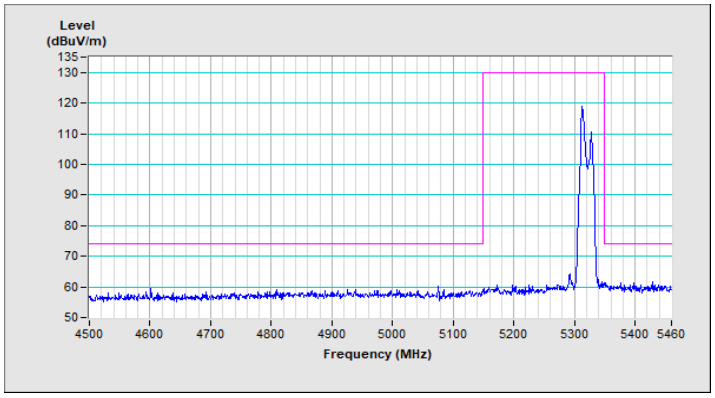
802.11a Channel 64



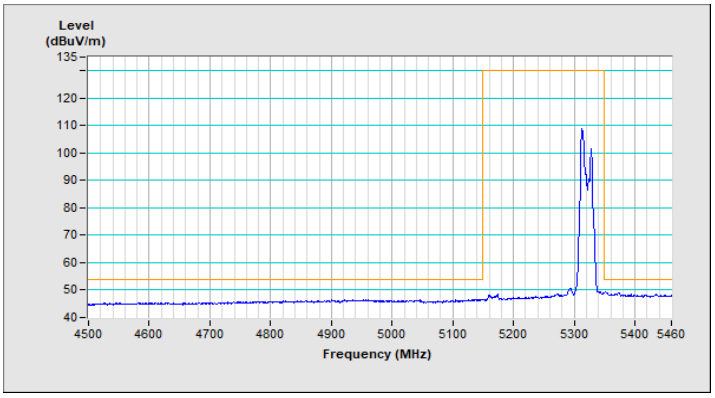
Horizontal (Peak)



Horizontal (Average)



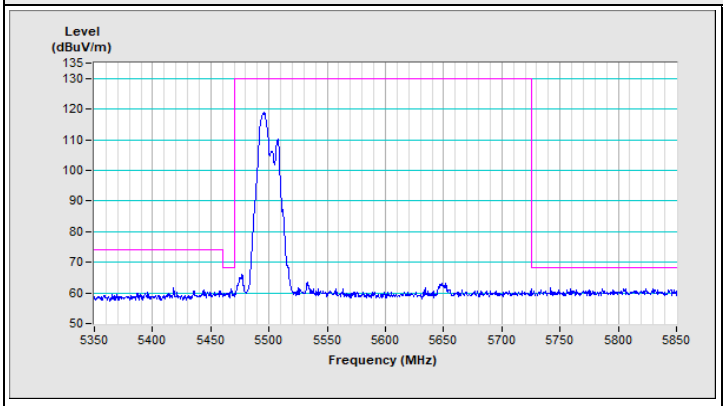
Vertical (Peak)



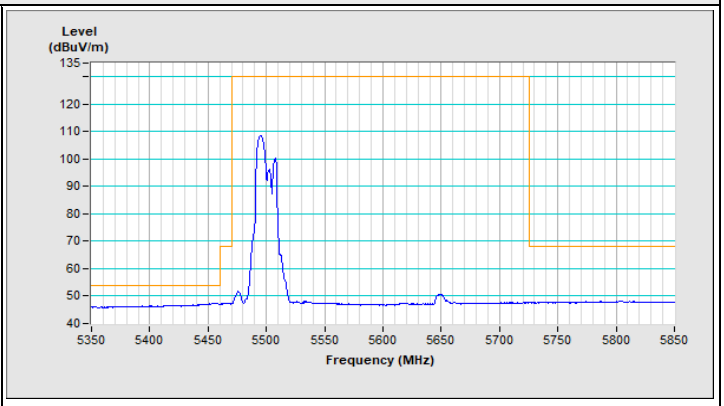
Vertical (Average)

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

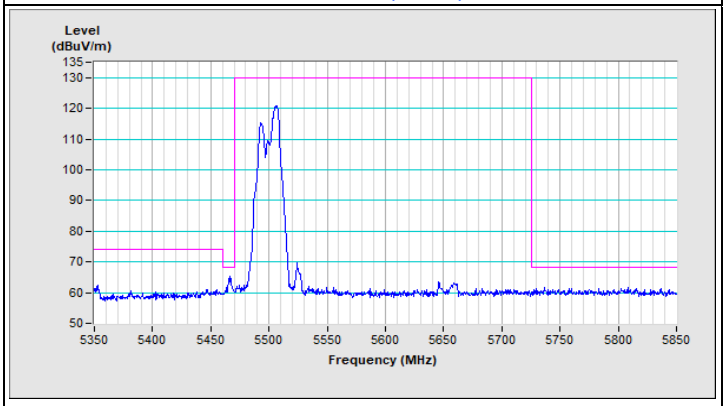
802.11a Channel 100



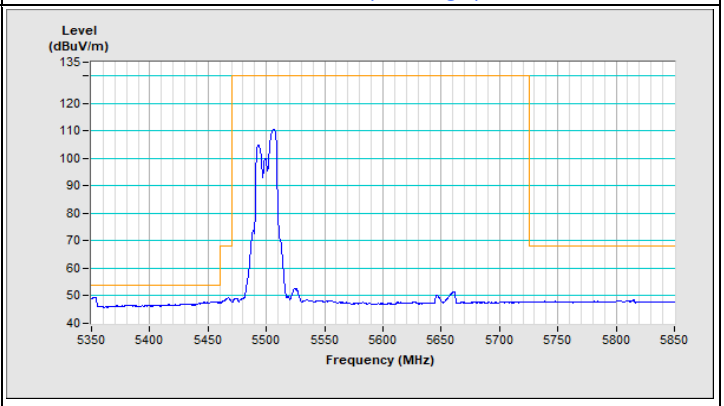
Horizontal (Peak)



Horizontal (Average)

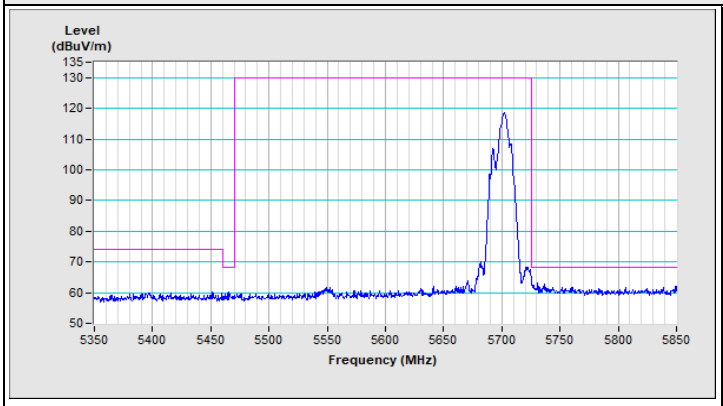


Vertical (Peak)

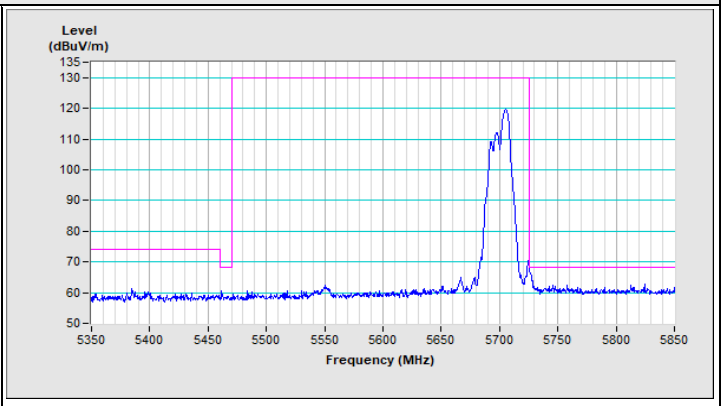


Vertical (Average)

802.11a Channel 140



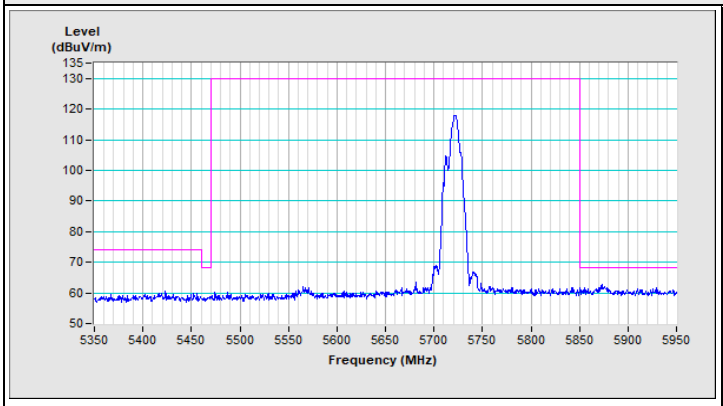
Horizontal (Peak)



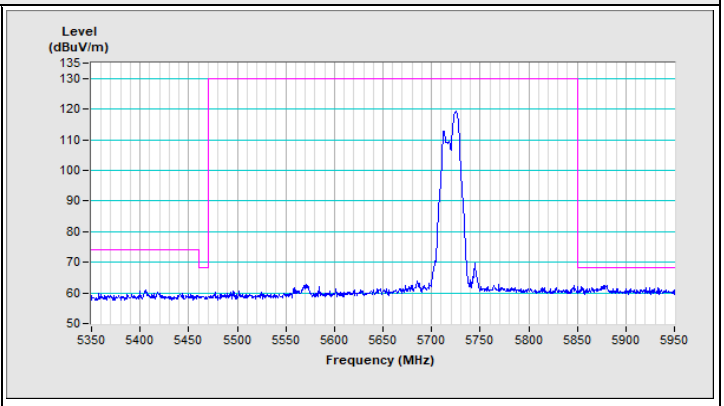
Vertical (Peak)

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

802.11a Channel 144



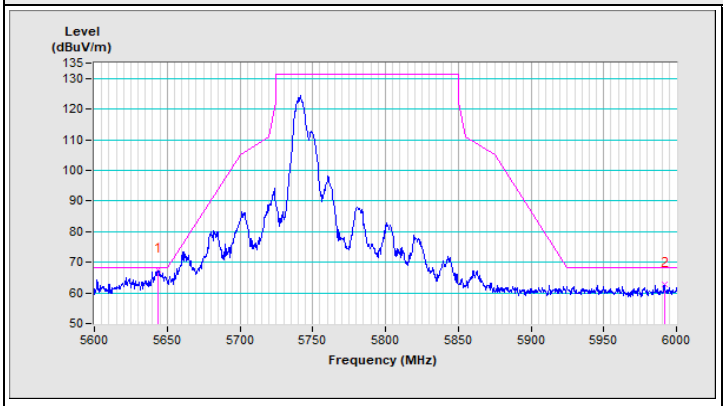
Horizontal (Peak)



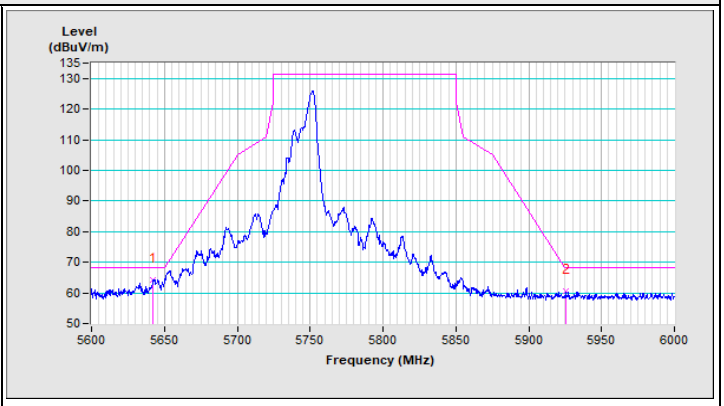
Vertical (Peak)

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

802.11a Channel 149

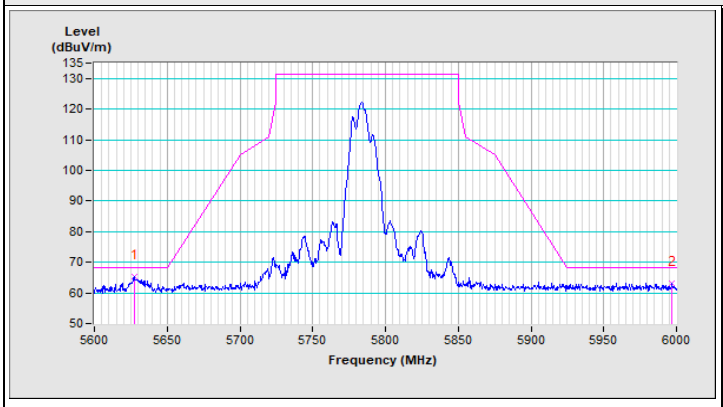


Horizontal (Peak)

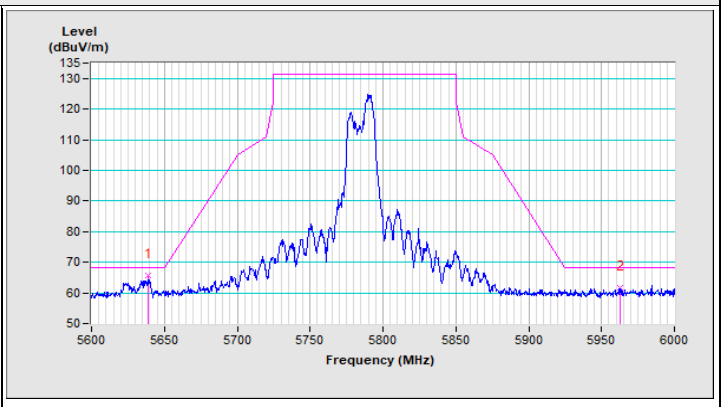


Vertical (Peak)

802.11a Channel 157

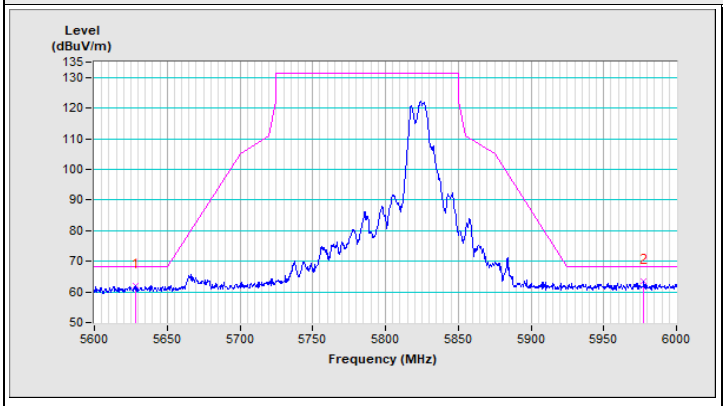


Horizontal (Peak)

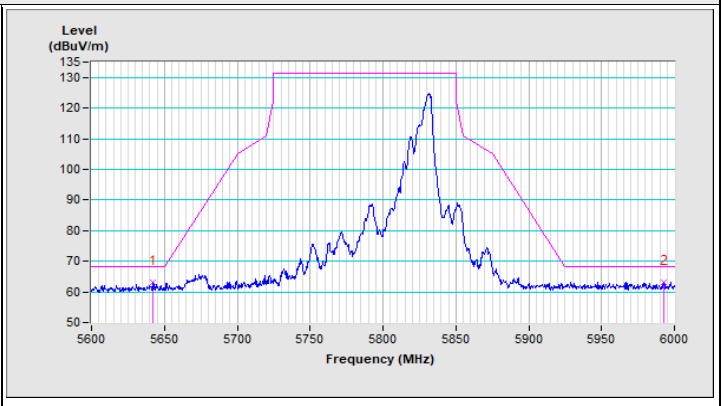


Vertical (Peak)

802.11a Channel 165



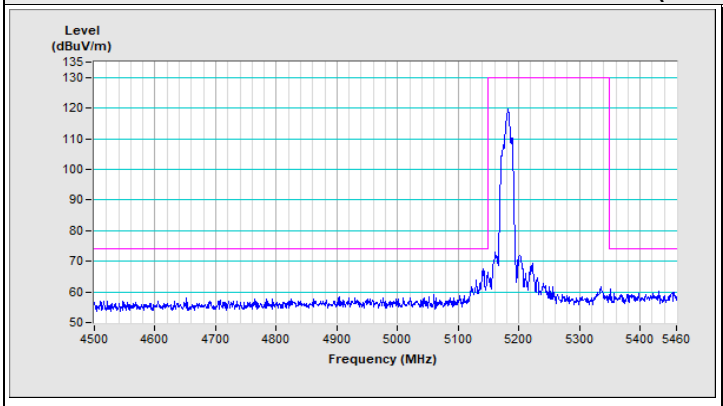
Horizontal (Peak)



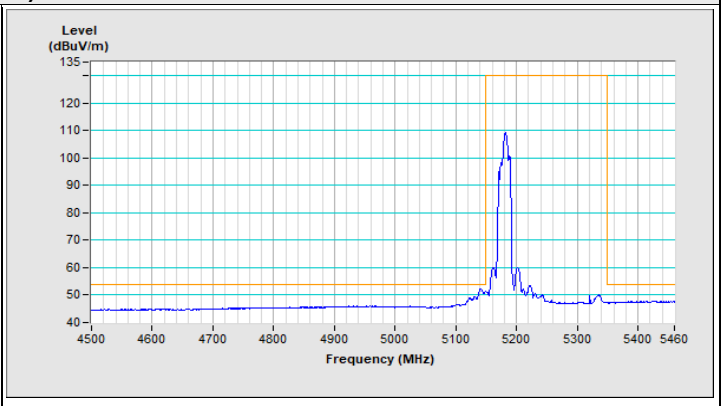
Vertical (Peak)

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

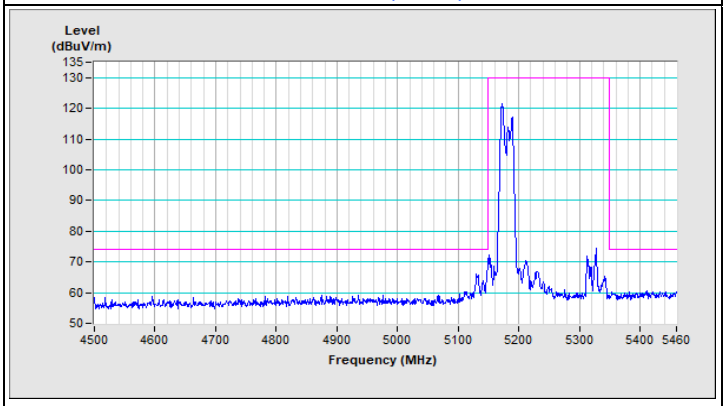
802.11be (EHT20) Channel 36



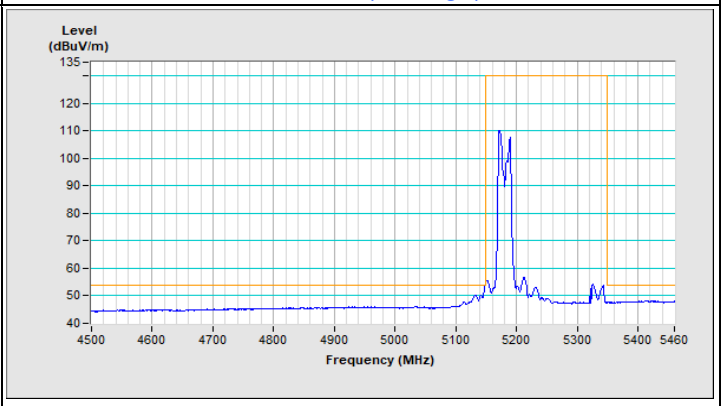
Horizontal (Peak)



Horizontal (Average)

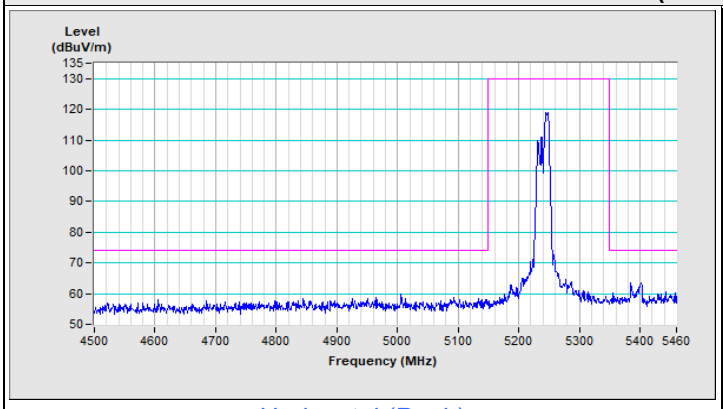


Vertical (Peak)

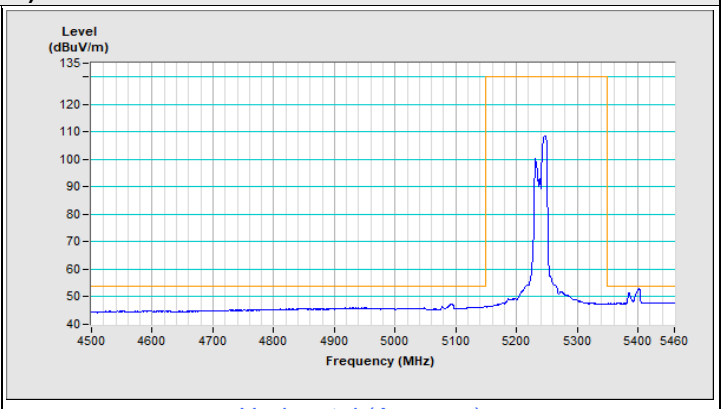


Vertical (Average)

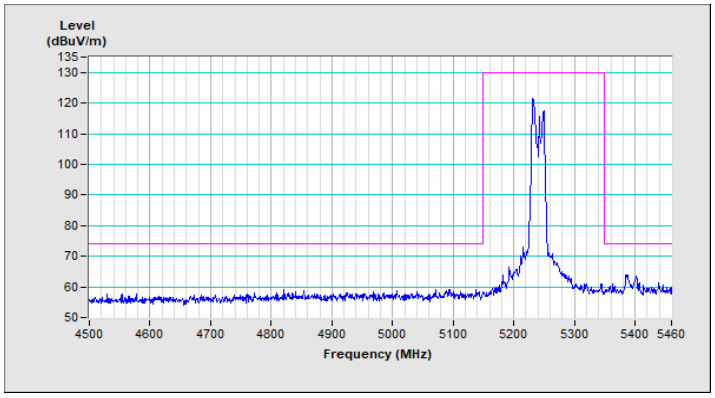
802.11be (EHT20) Channel 48



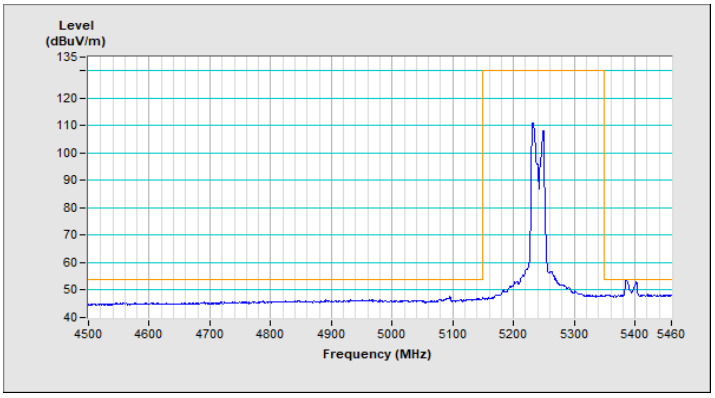
Horizontal (Peak)



Horizontal (Average)

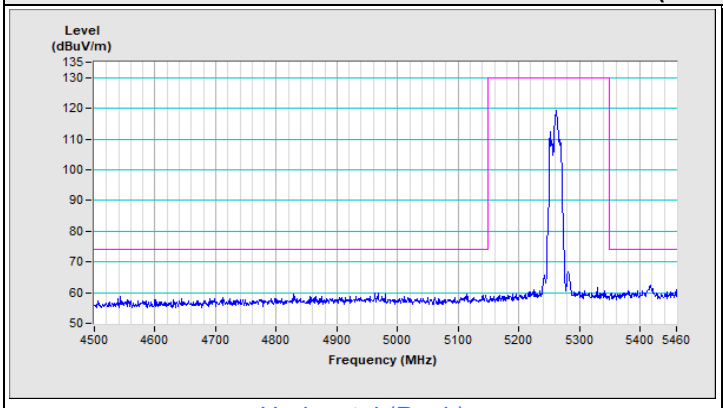


Vertical (Peak)

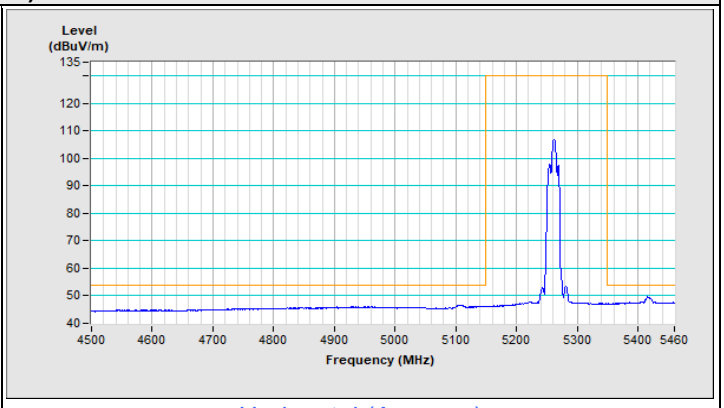


Vertical (Average)

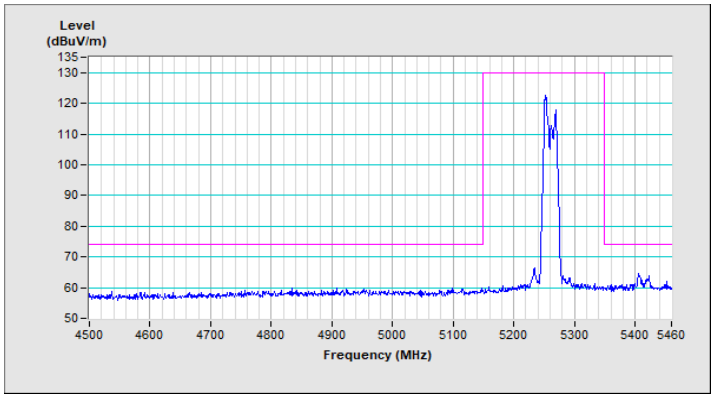
802.11be (EHT20) Channel 52



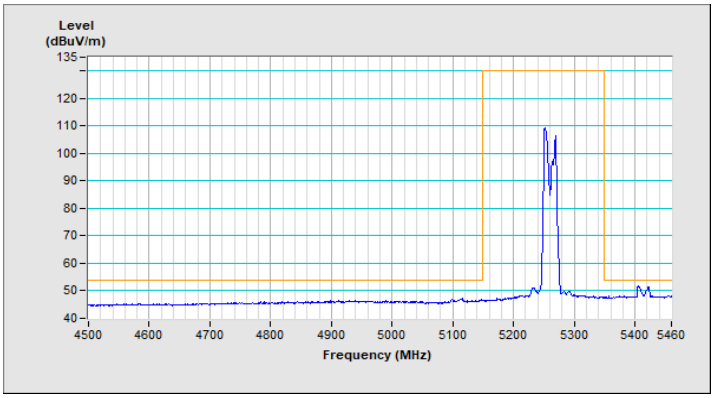
Horizontal (Peak)



Horizontal (Average)

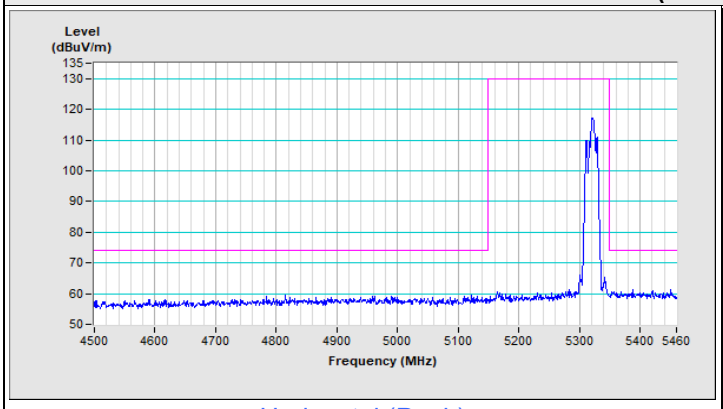


Vertical (Peak)

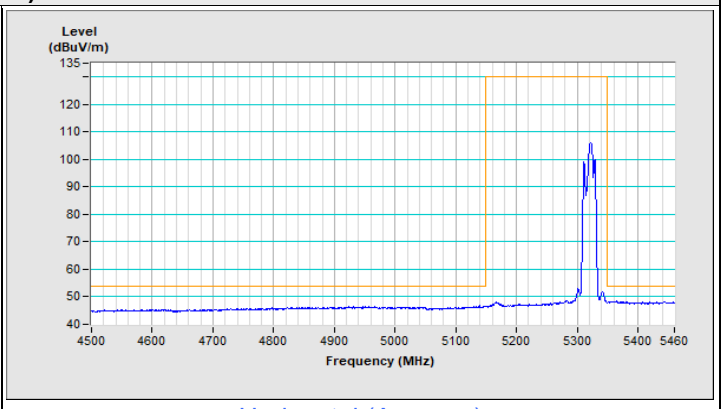


Vertical (Average)

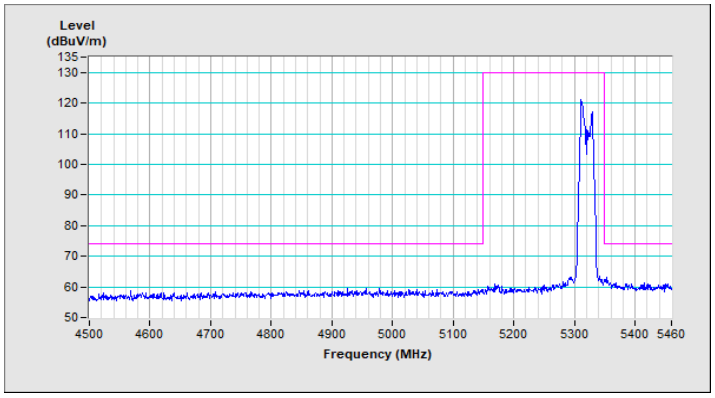
802.11be (EHT20) Channel 64



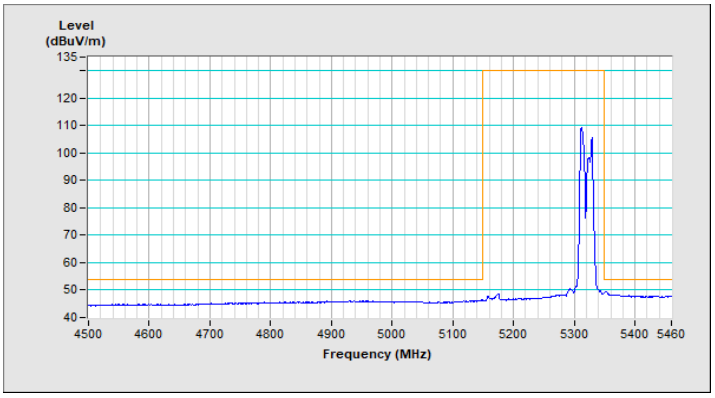
Horizontal (Peak)



Horizontal (Average)



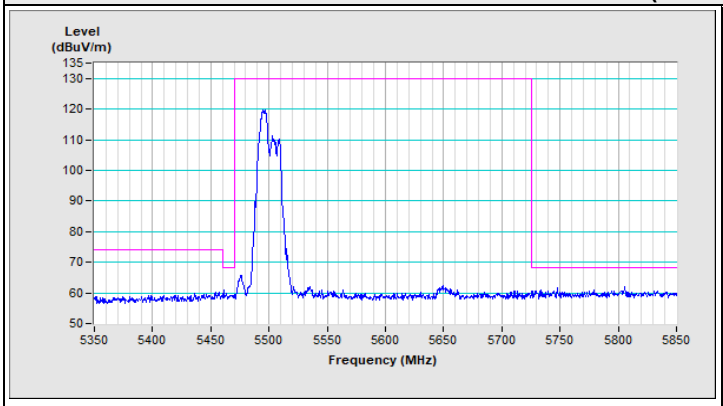
Vertical (Peak)



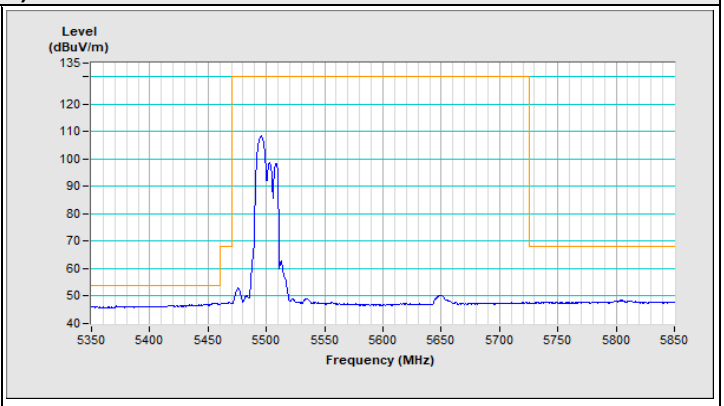
Vertical (Average)

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

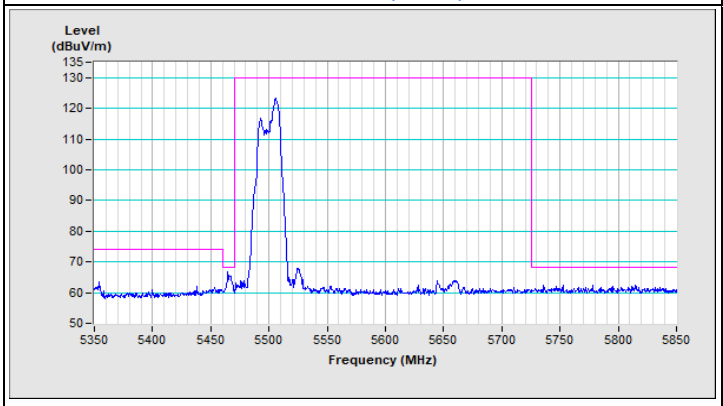
802.11be (EHT20) Channel 100



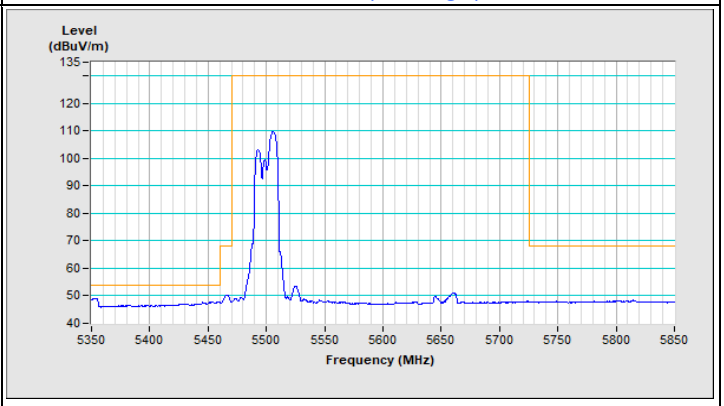
Horizontal (Peak)



Horizontal (Average)

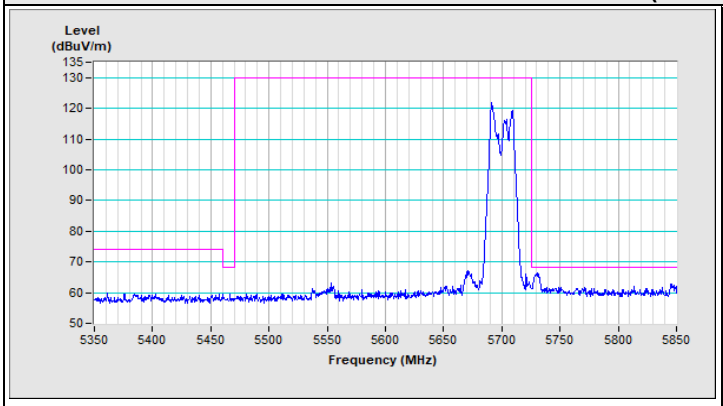


Vertical (Peak)

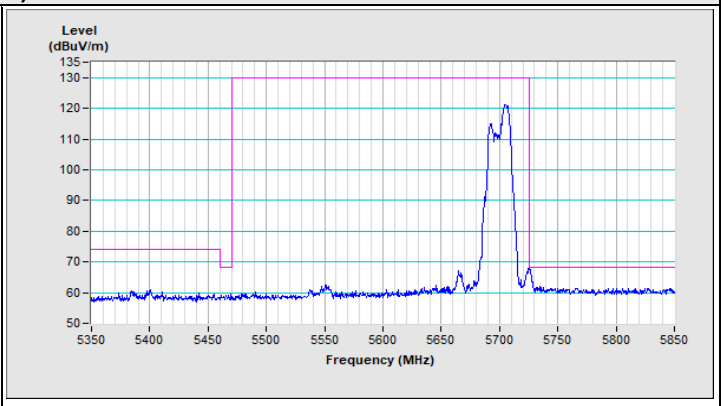


Vertical (Average)

802.11be (EHT20) Channel 140



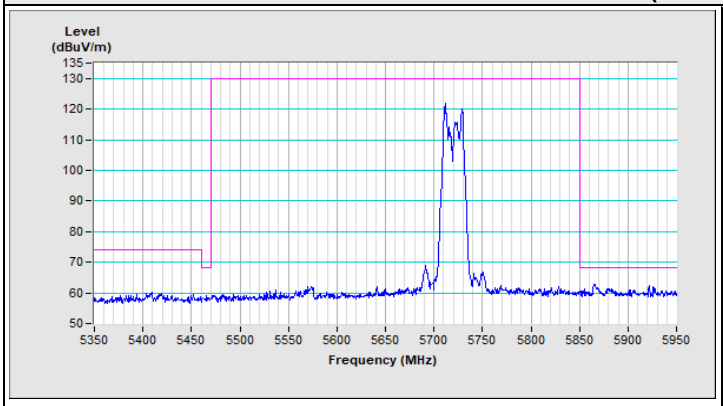
Horizontal (Peak)



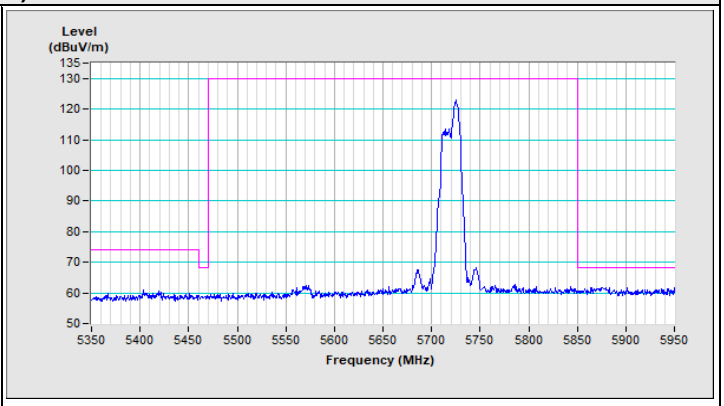
Vertical (Peak)

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



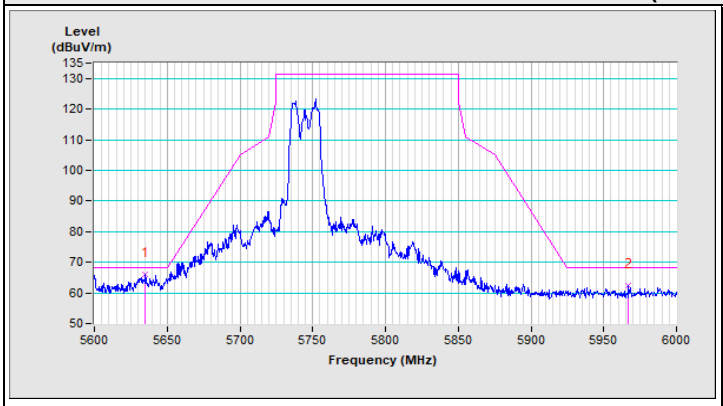
Horizontal (Peak)



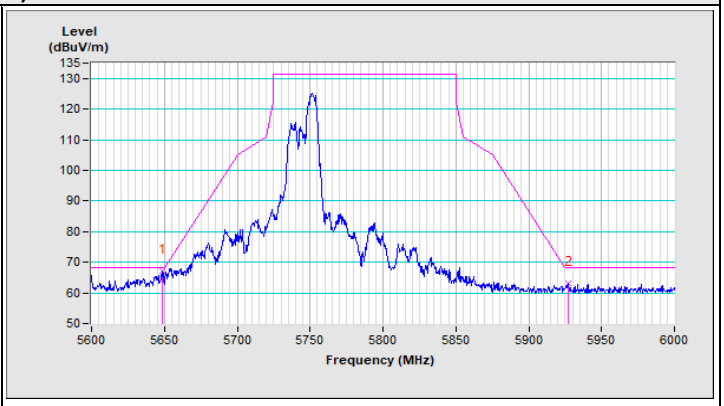
Vertical (Peak)

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

802.11be (EHT20) Channel 149

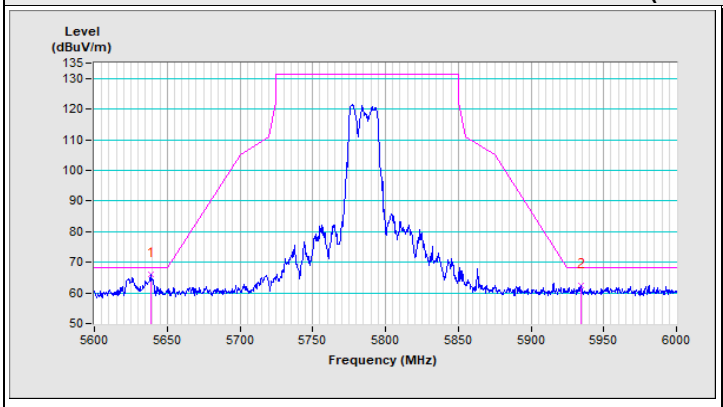


Horizontal (Peak)

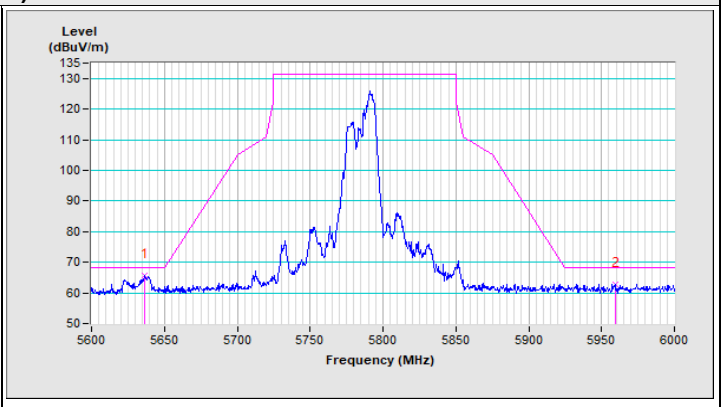


Vertical (Peak)

802.11be (EHT20) Channel 157

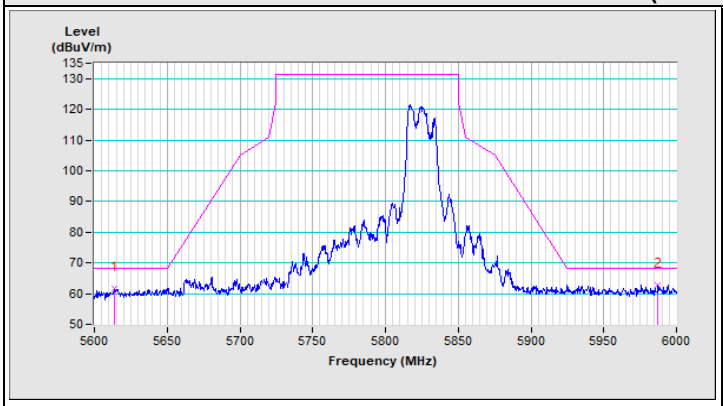


Horizontal (Peak)

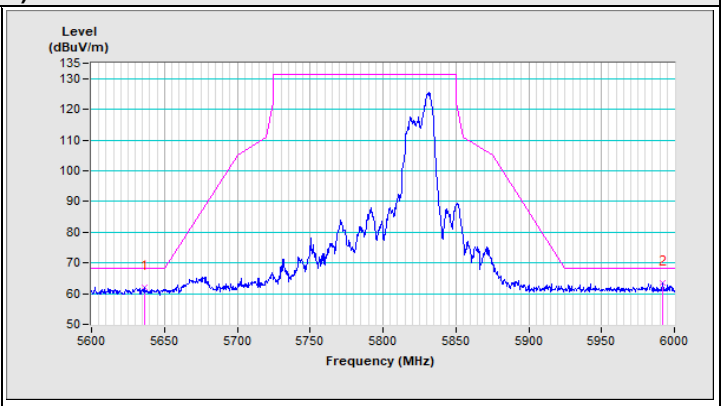


Vertical (Peak)

802.11be (EHT20) Channel 165



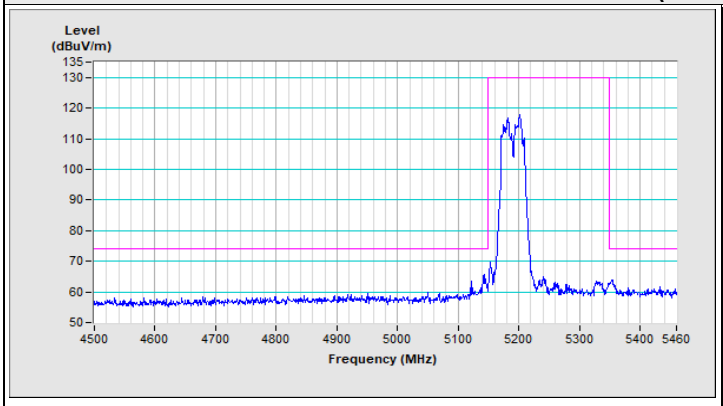
Horizontal (Peak)



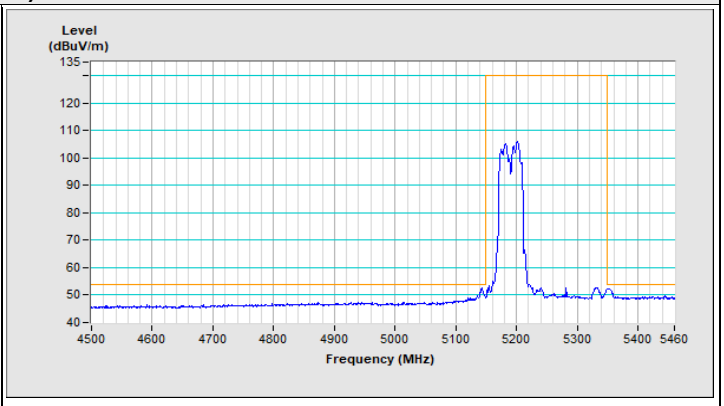
Vertical (Peak)

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

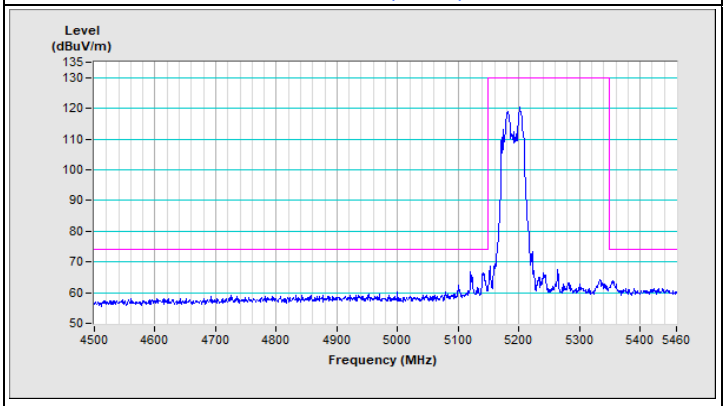
802.11be (EHT40) Channel 38



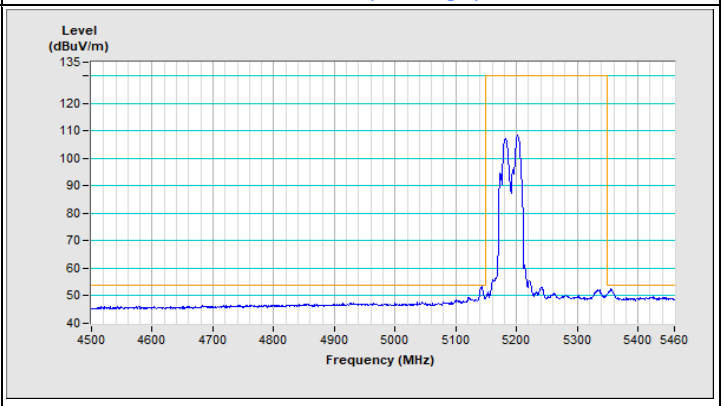
Horizontal (Peak)



Horizontal (Average)

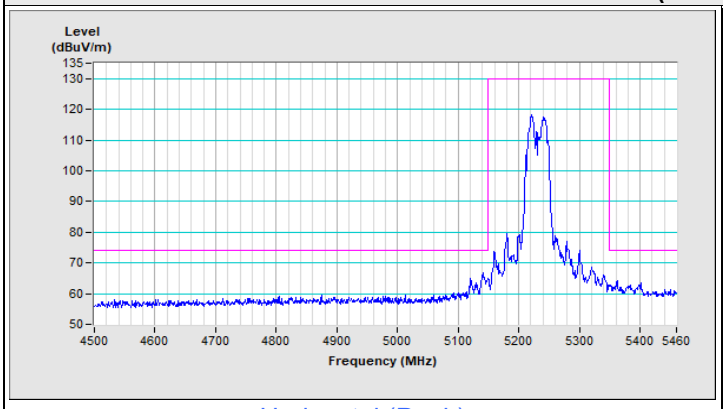


Vertical (Peak)

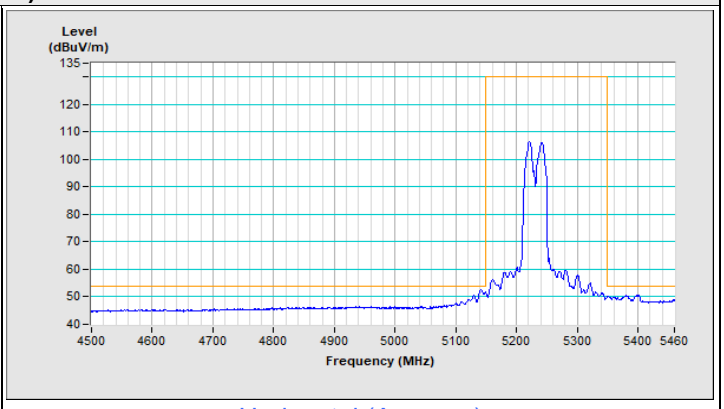


Vertical (Average)

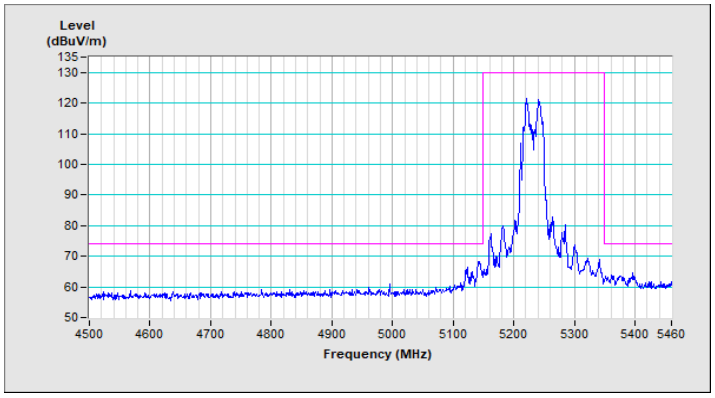
802.11be (EHT40) Channel 46



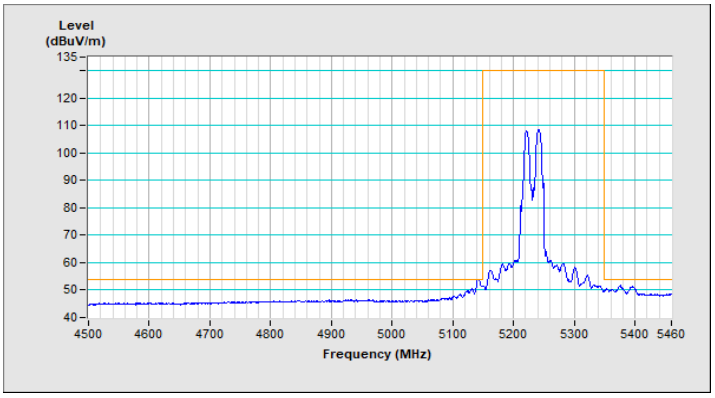
Horizontal (Peak)



Horizontal (Average)

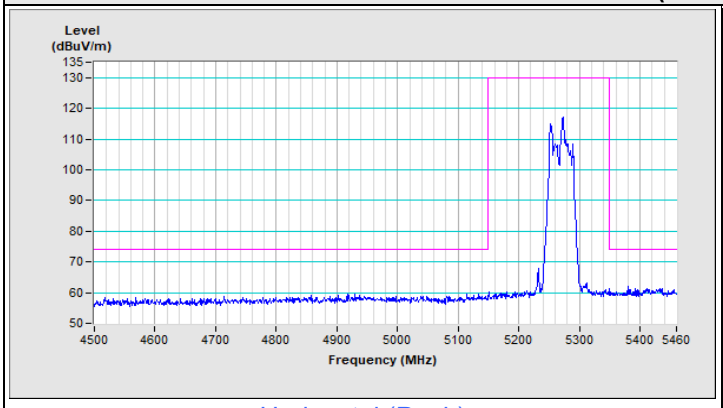


Vertical (Peak)

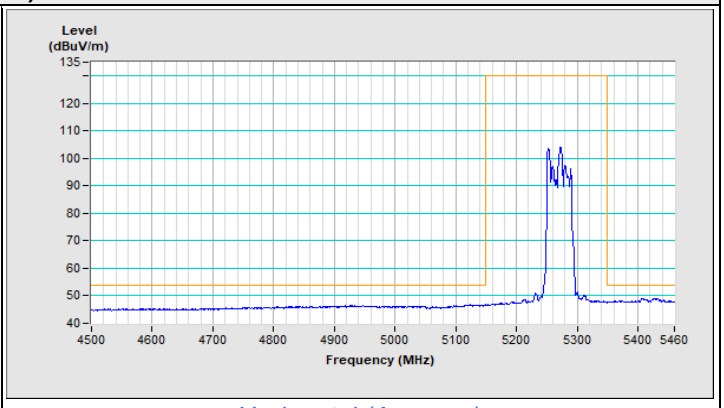


Vertical (Average)

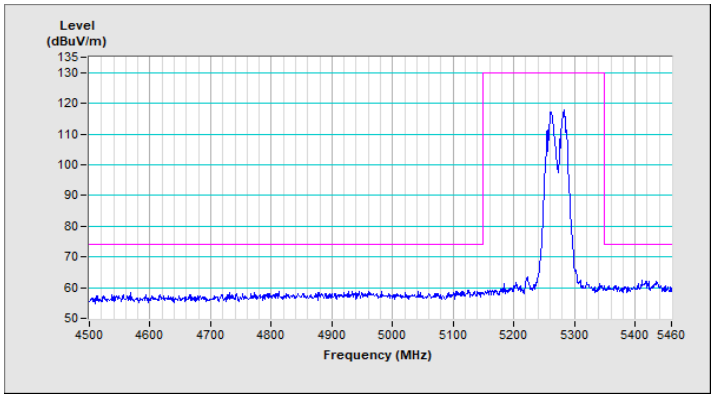
802.11be (EHT40) Channel 54



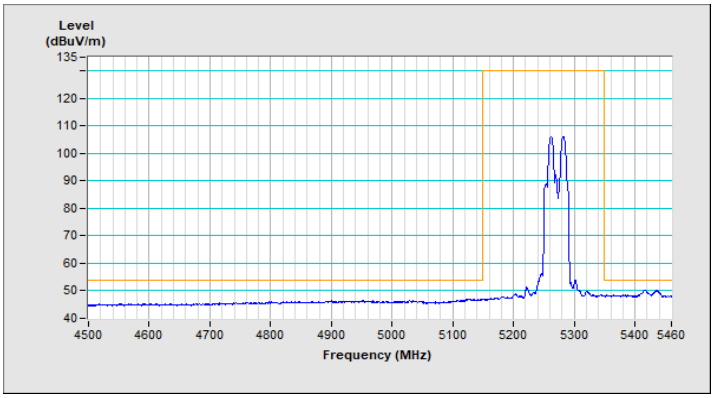
Horizontal (Peak)



Horizontal (Average)

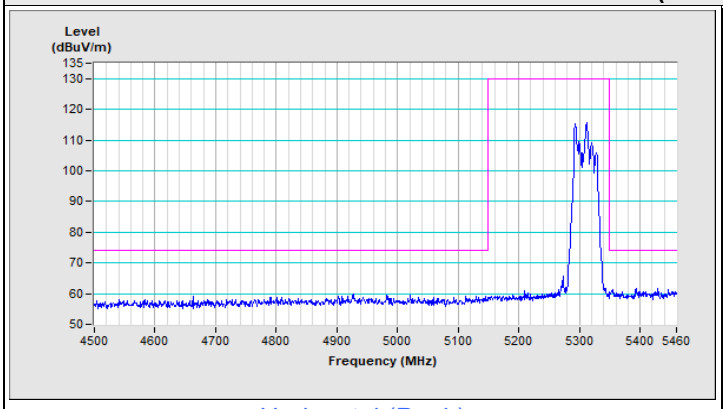


Vertical (Peak)

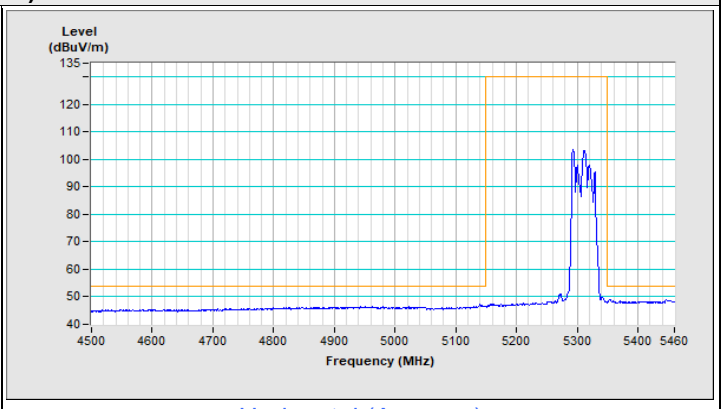


Vertical (Average)

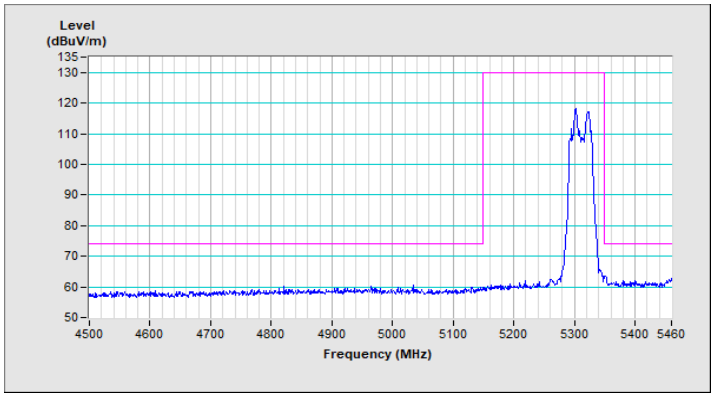
802.11be (EHT40) Channel 62



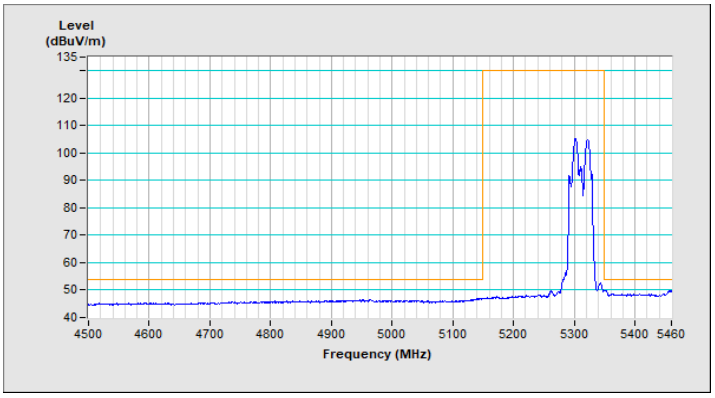
Horizontal (Peak)



Horizontal (Average)



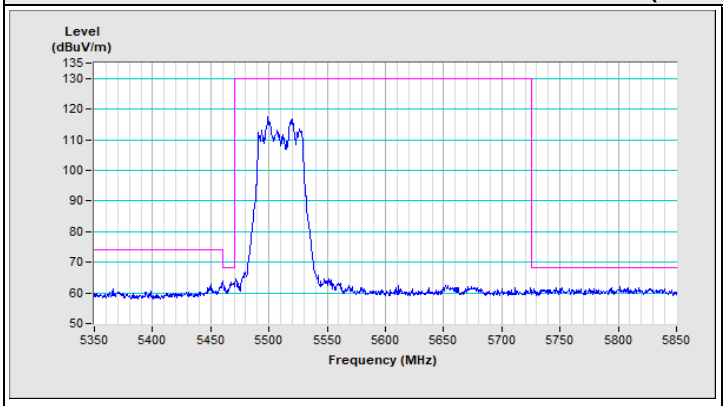
Vertical (Peak)



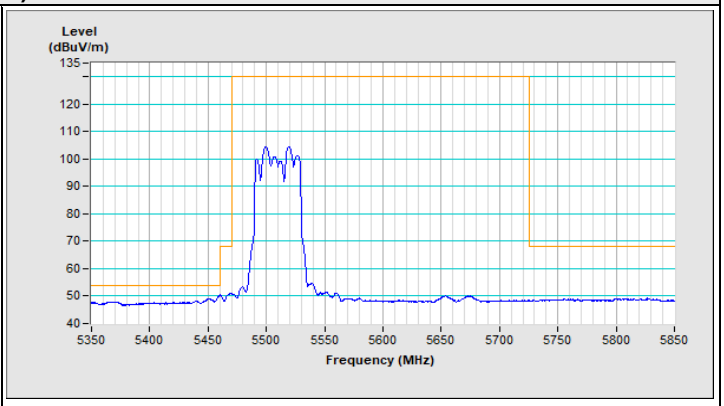
Vertical (Average)

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

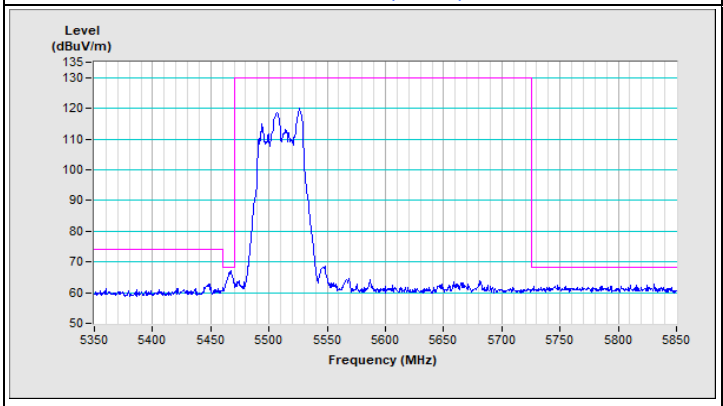
802.11be (EHT40) Channel 102



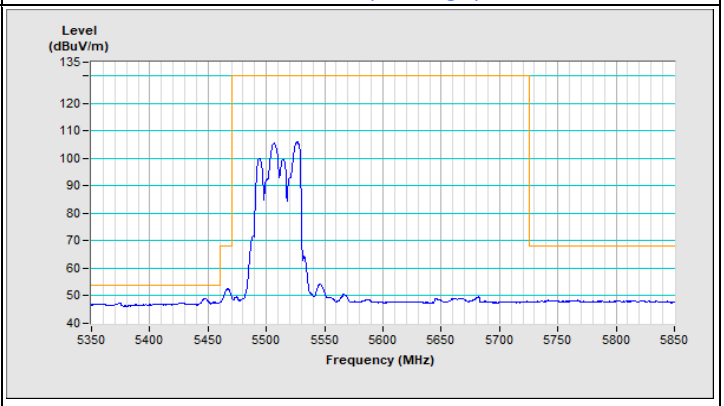
Horizontal (Peak)



Horizontal (Average)

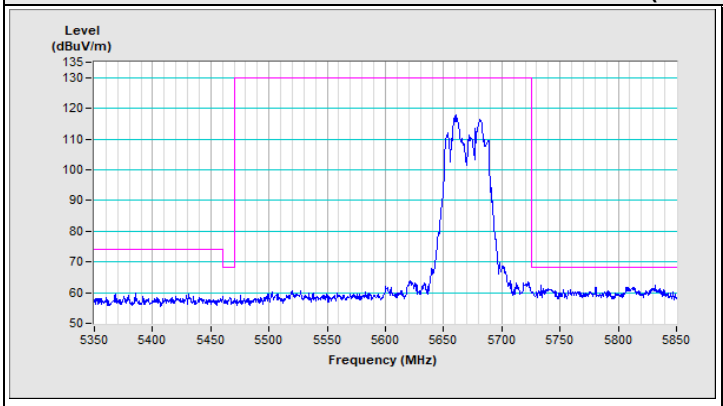


Vertical (Peak)

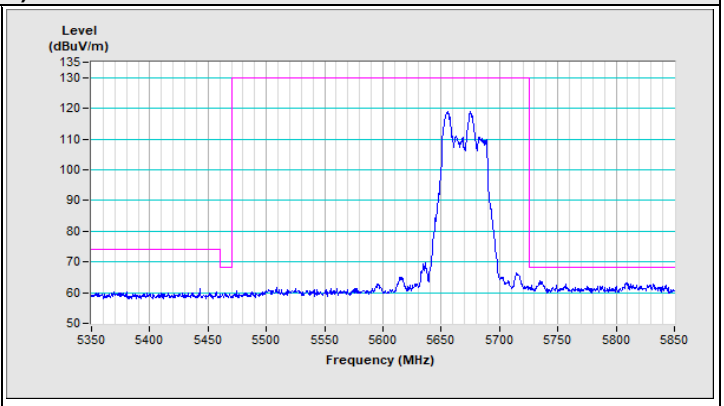


Vertical (Average)

802.11be (EHT40) Channel 134



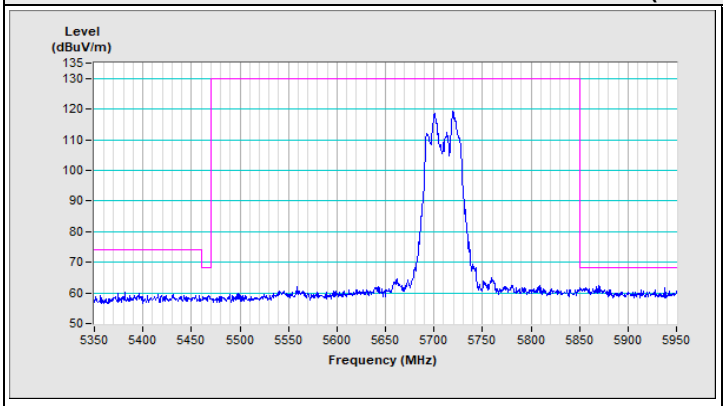
Horizontal (Peak)



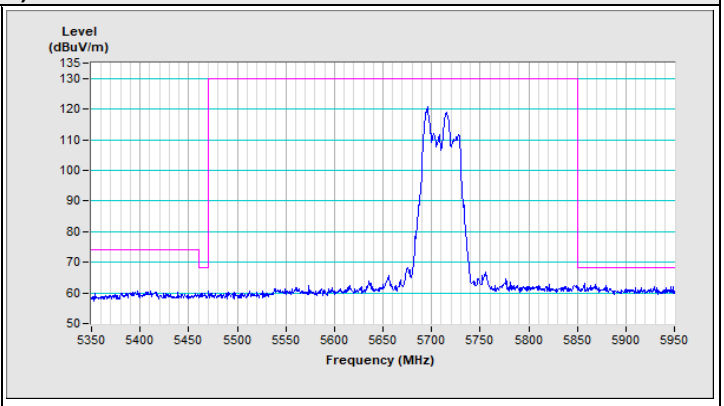
Vertical (Peak)

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



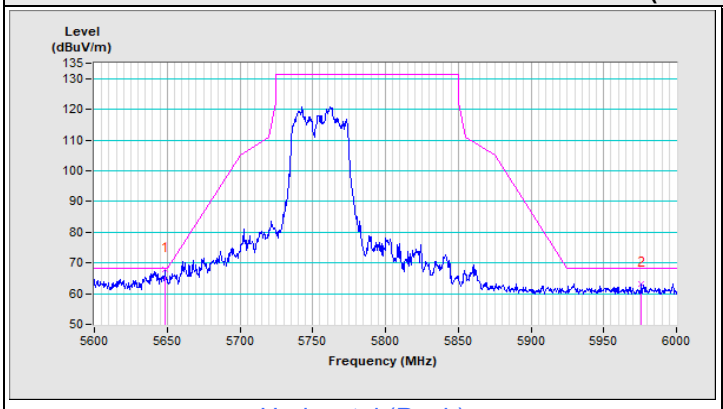
Horizontal (Peak)



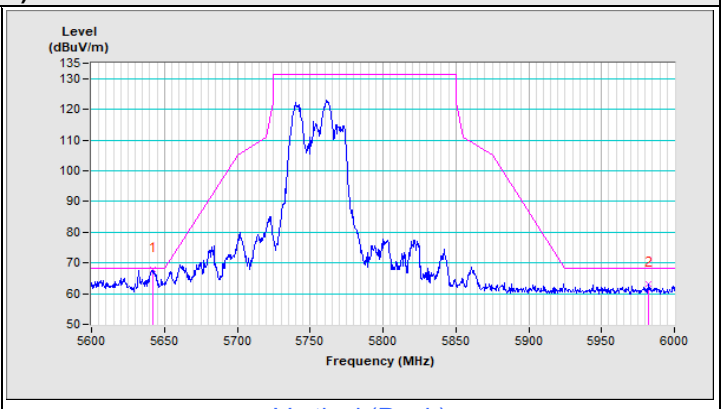
Vertical (Peak)

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

802.11be (EHT40) Channel 151

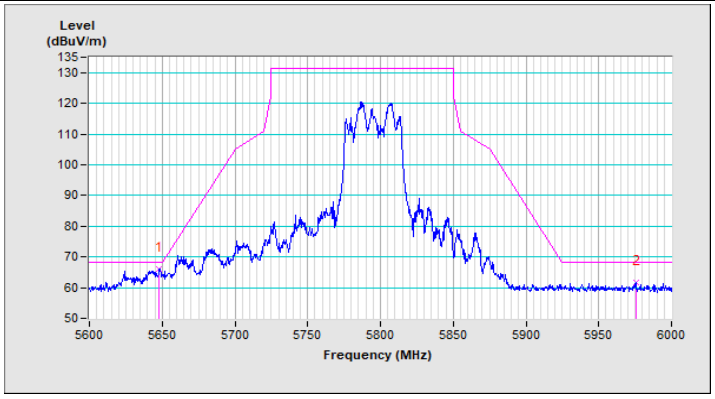


Horizontal (Peak)

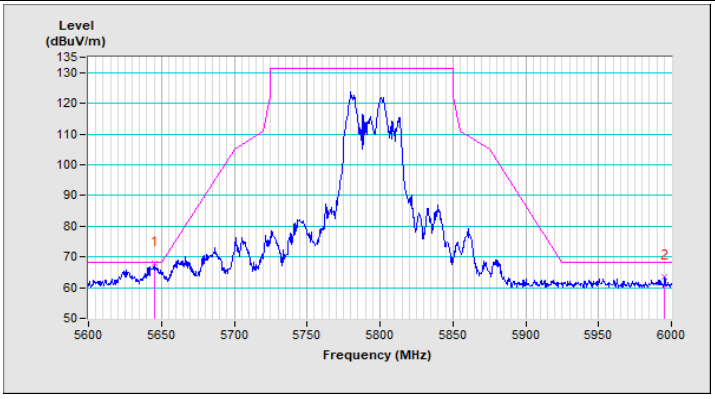


Vertical (Peak)

802.11be (EHT40) Channel 159



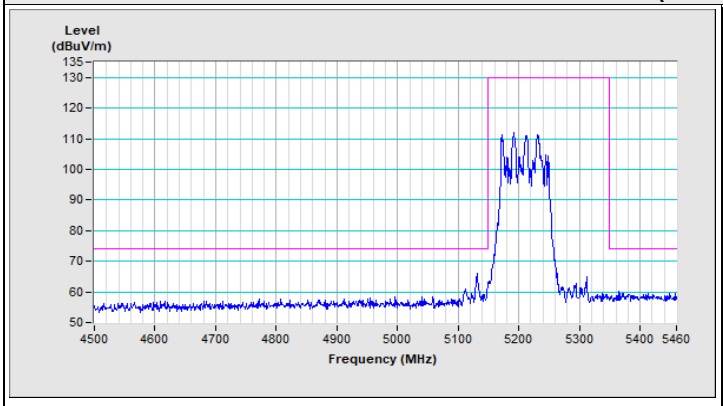
Horizontal (Peak)



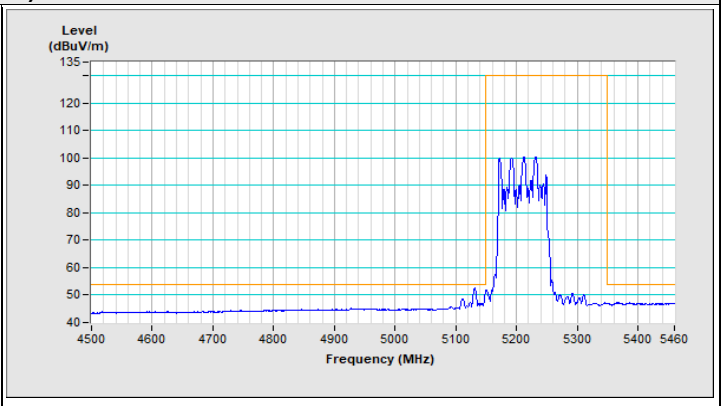
Vertical (Peak)

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

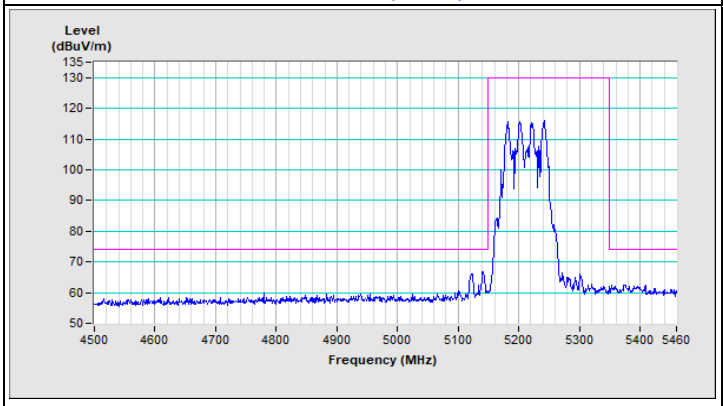
802.11be (EHT80) Channel 42



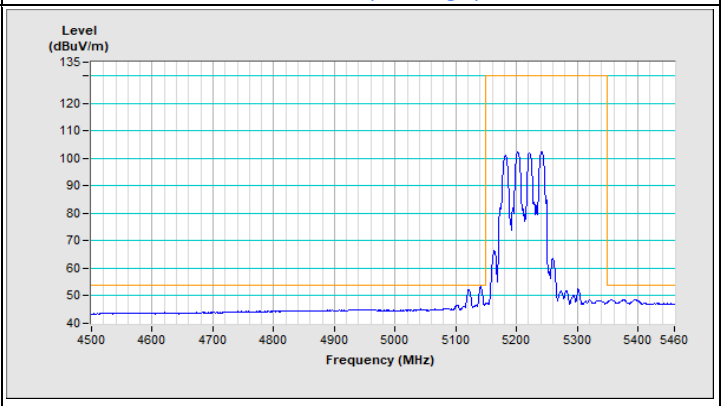
Horizontal (Peak)



Horizontal (Average)

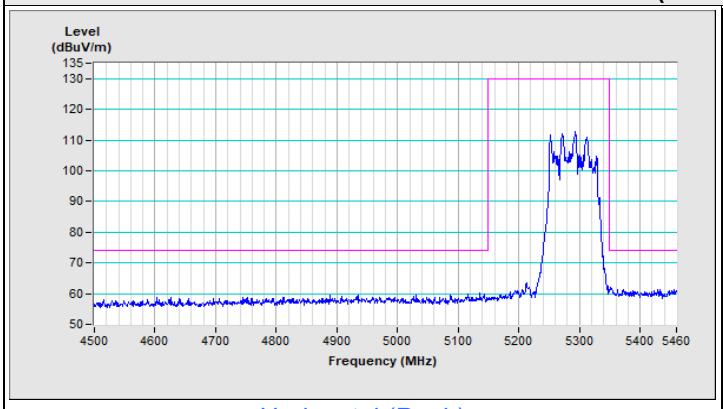


Vertical (Peak)

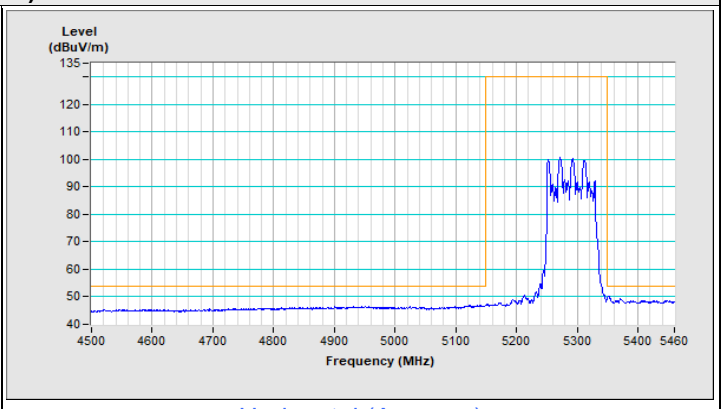


Vertical (Average)

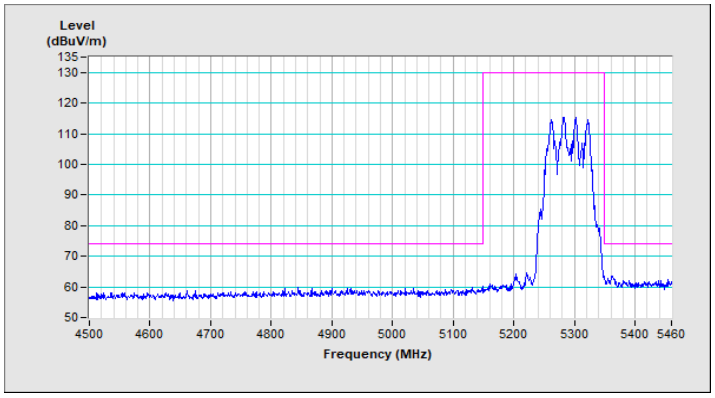
802.11be (EHT80) Channel 58



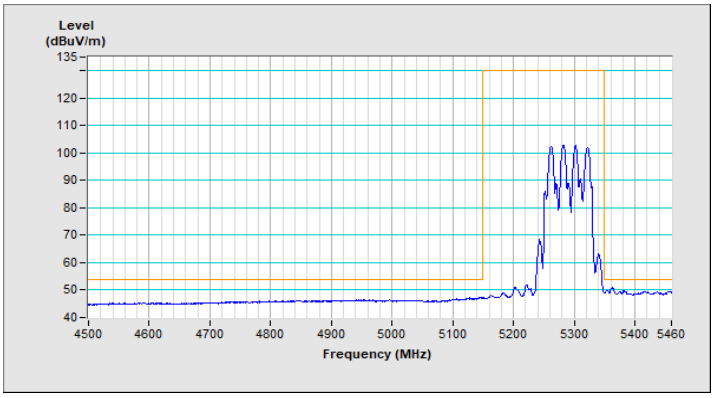
Horizontal (Peak)



Horizontal (Average)



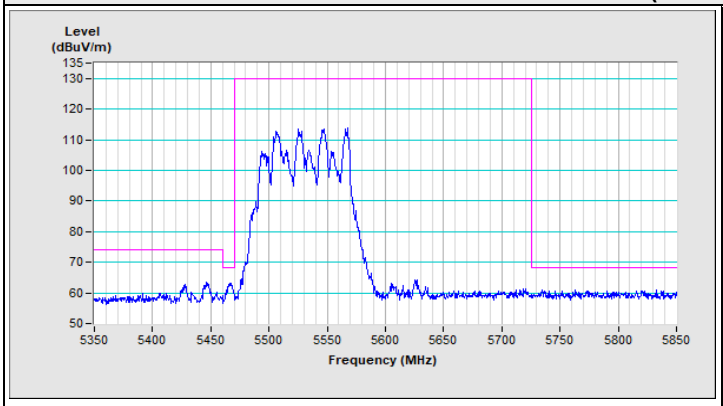
Vertical (Peak)



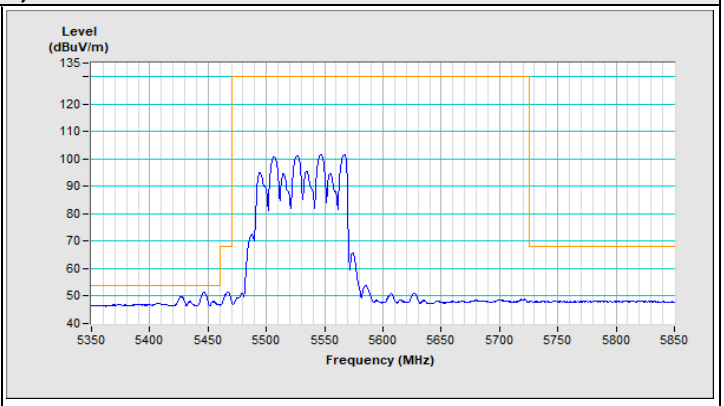
Vertical (Average)

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

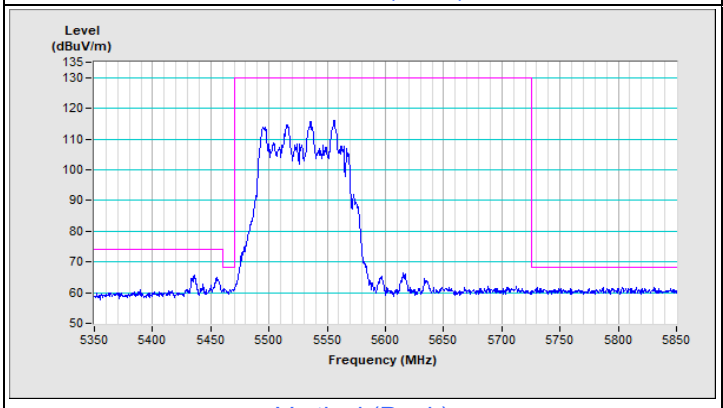
802.11be (EHT80) Channel 106



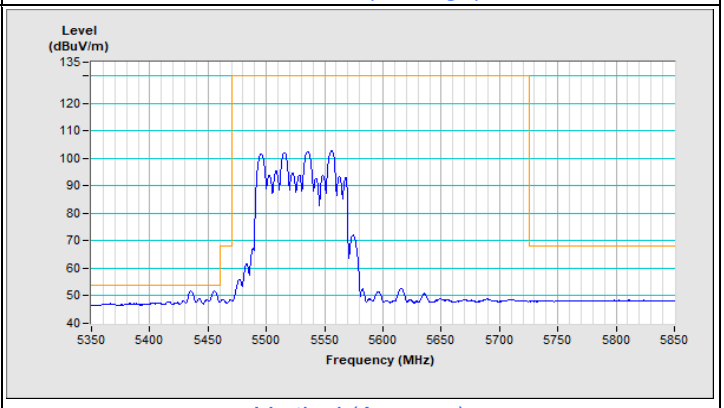
Horizontal (Peak)



Horizontal (Average)

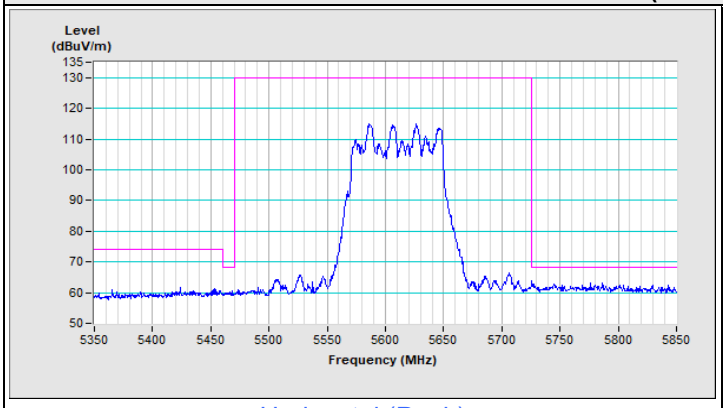


Vertical (Peak)

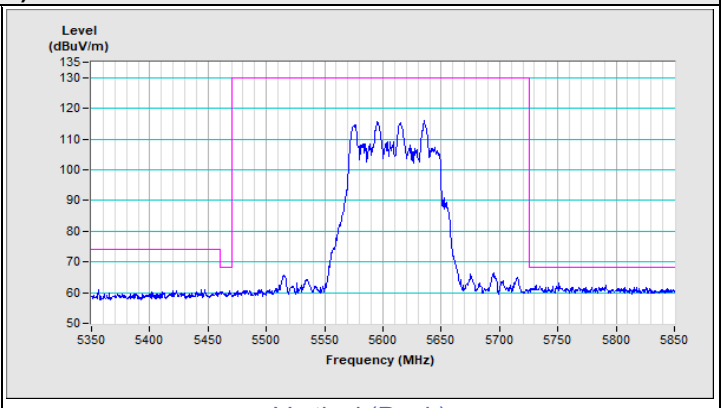


Vertical (Average)

802.11be (EHT80) Channel 122



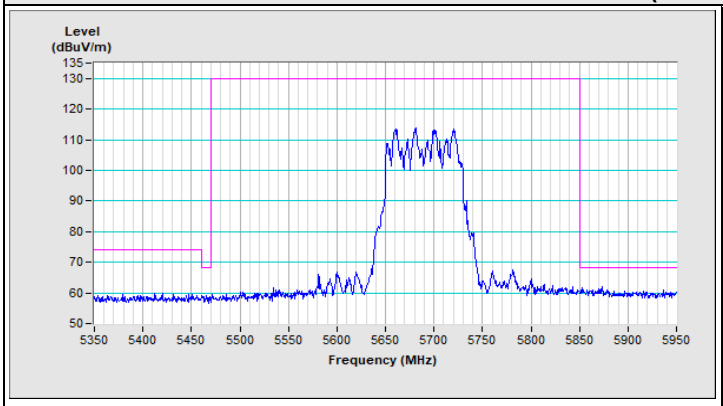
Horizontal (Peak)



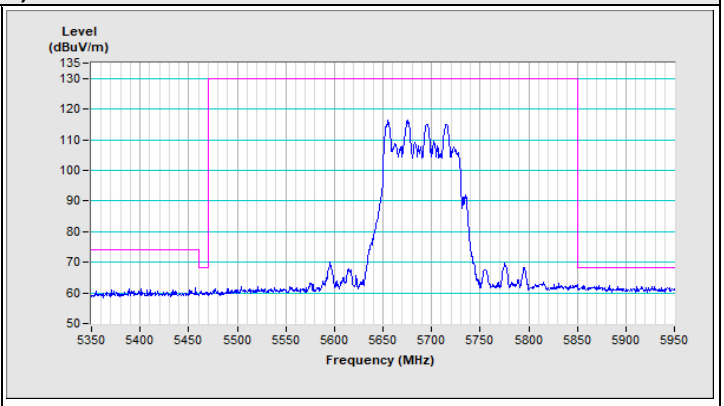
Vertical (Peak)

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



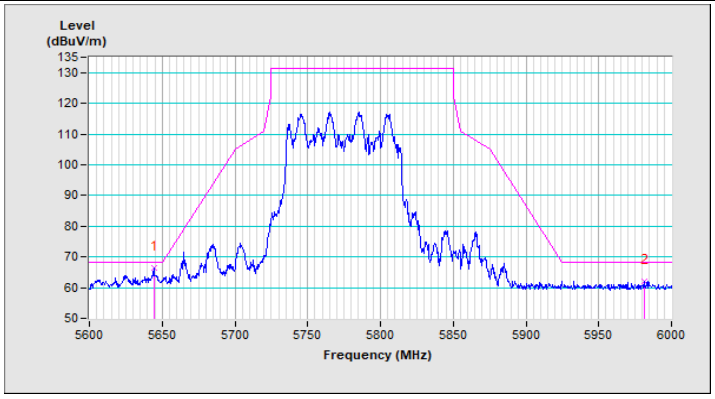
Horizontal (Peak)



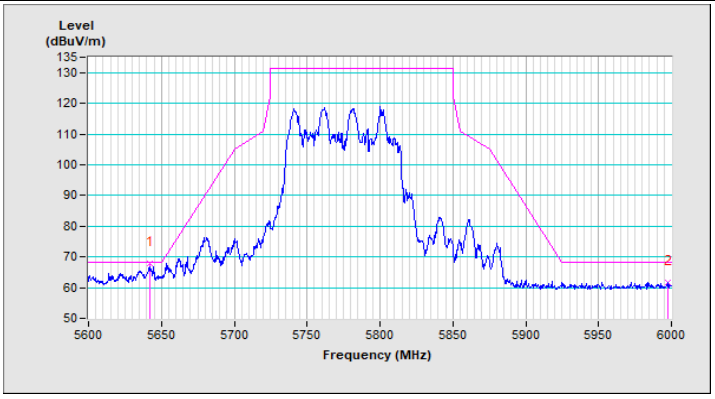
Vertical (Peak)

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)

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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