

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBENL-WTW-P24060709A-1
FCC ID: RYK-290BEBT
Product: WiFi 7/BT module
Brand: Sparklan
Model No.: WNSQ-293BE(BT)
Series Model: WNFQ-290BE(BT), WNSQ-290BE(BT), WNFQ-293BE(BT)
Received Date: 2025/5/14
Test Date: 2025/6/9 ~ 2025/12/2
Issued Date: 2025/12/17

Applicant: SparkLAN Communications, Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 723255 / TW2022

Designation Number:

Approved by: _____, **Date:** 2025/12/17
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Prepared by : Phoenix Huang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBENL-WTW-P24060709A-1	Original release.	2025/12/17

1 Certificate

Product: WiFi 7/BT module

Brand: Sparklan

Test Model: WNSQ-293BE(BT)

Series Model: WNFQ-290BE(BT), WNSQ-290BE(BT), WNFQ-293BE(BT)

Sample Status: Engineering sample

Applicant: SparkLAN Communications, Inc.

Test Date: 2025/6/9 ~ 2025/12/2

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)

Measurement procedure: ANSI C63.10-2020
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	N/A	Refer to Note 1 below
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	N/A	Refer to Note 1 below
15.407(e)	6 dB Bandwidth	N/A	Refer to Note 1 below
---	Occupied Bandwidth	N/A	Refer to Note 1 below
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -13.02 dB at 0.16172 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -2.3 dB at 199.53 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 -1.03 dB at 7363.31 MHz
15.203	Antenna Requirement	Pass	Antenna connector is MHF 4L, I-PEX MHF4, RP-SMA (M), MHF4L to SMA-F not a standard connector.

Notes:

- Only RF Output Power, AC Power Conducted Emissions and Unwanted Emissions test items were performed for this addendum. The others testing data refer to original test report (Report No.: RFBWIN-WTW-P23020421-1).
- Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
RF Output Power	-	1.1 dB
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.5 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 dB
	18 GHz ~ 40 GHz	5.3 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	WiFi 7/BT module
Brand	Sparklan
Test Model	WNSQ-293BE(BT)
Series Model	WNFQ-290BE(BT), WNSQ-290BE(BT), WNFQ-293BE(BT)
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDM in 11ac mode 4096QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 2166.7 Mbps 802.11ax: up to 2969.7 Mbps 802.11be: up to 2882.4 Mbps
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
Resource Unit (RU)	Single RU: 26-tone, 52-tone, 106-tone, 242-tone, 484-tone, 996-tone, 2 * 996-tone Multi-RU (Small RU): 52-tone + 26-tone, 106-tone + 26-tone Multi-RU (Large RU): 484-tone + 242-tone, 996-tone + 484-tone
Channel Puncturing (Large RU)	80 MHz punctured by 20 MHz; 160 MHz punctured by 20 MHz 160 MHz punctured by 40 MHz
Output Power	5.18 GHz ~ 5.25 GHz: 106.245 mW (20.26 dBm) 5.25 GHz ~ 5.32 GHz: 102.584 mW (20.11 dBm) 5.5 GHz ~ 5.72 GHz: 99.365 mW (19.97 dBm) 5.745 GHz ~ 5.825 GHz: 100.673 mW (20.03 dBm)
EUT Category	Client device

Note:

- This report is prepared for FCC class II permissive change. The difference compared with the original design is as the following: (QCA Report No.: RFBWIN-WTW-P23020421-1)
 - ◆ Add Dipole antenna & Chip antenna. (Refer to section 3.2)
 - ◆ Add variant chip QCC2073 (based on WCN7851) for WNSQ-290BE(BT) and WNFQ-290BE(BT).
 - ◆ Add models WNFQ-293BE(BT) and WNSQ-293BE(BT) with variant chip QCC2076.
 - ◆ The variant chip models QCC2073 and QCC2076 are pin-to-pin compatible and have identical designs to the original chip WCN7851, and program change to disable the WiFi-7 320 MHz bandwidth.
 - ◆ Upgraded ANSI C63.10 standard version.
- According to above conditions, there are RF Output Power, AC Power Conducted Emissions and Unwanted Emissions test items need to be performed. All data for meeting the requirement is verified.
- All models are listed as below.

Brand	Model	Chip model	Variant Chip model	Remark
Sparklan	WNSQ-290BE(BT)	WCN7851	QCC2073	Add variant chip QCC2073 is pin to pin and identical design and disable WiFi-7 bandwidth 320 MHz, DBS/SBS
Sparklan	WNFQ-290BE(BT)	WCN7851	QCC2073	Add variant chip QCC2073 is pin to pin and identical design and disable WiFi-7 bandwidth 320 MHz, DBS/SBS M.2 1620 w/ EVB
Sparklan	WNSQ-293BE(BT)	QCC2076	NA	Newly model, with variant chip QCC2076 is pin to pin and identical design and disable WiFi-7 bandwidth 320 MHz
Sparklan	WNFQ-293BE(BT)	QCC2076	NA	Newly model, with variant chip QCC2076 is pin to pin and identical design and disable WiFi-7 bandwidth 320 MHz M.2 1620 w/ EVB

From the above models, model: WNSQ-293BE(BT) was selected as representative model for the test and its data was recorded in this report.

- There are Bluetooth (EDR, BLE, QHS) and WLAN (2.4 GHz & 5 GHz & 5.9 GHz & 6 GHz) technology used for the EUT.
- Simultaneously transmission combination.

Combination	Technology	
1	WLAN(2.4 GHz)_Ant 0+1	WLAN(5 GHz)_Ant 0+1
2	WLAN(2.4 GHz)_Ant 0+1	WLAN(6 GHz)_Ant 0+1
3	WLAN(5 GHz)_Ant 0+1	Bluetooth_Ant 0
4	WLAN(5 GHz)_Ant 0+1	Bluetooth_Ant 1
5	WLAN(5 GHz)_Ant 0+1	Bluetooth_Ant 0+1
6	WLAN(6 GHz)_Ant 0+1	Bluetooth_Ant 0
7	WLAN(6 GHz)_Ant 0+1	Bluetooth_Ant 1
8	WLAN(6 GHz)_Ant 0+1	Bluetooth_Ant 0+1
9	WLAN(2.4 GHz)_Ant 0	Bluetooth_Ant 1
10	WLAN(2.4 GHz)_Ant 1	Bluetooth_Ant 0

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

- The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.
- The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

7. The antenna information is listed as below.

Original									
Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length (mm)
1	Chain0/1	Hong-Bo	260-25094	3.53	2.4~2.4835	0.74	PIFA	MHF 4L	300
				3.06	5.15~5.25	1.16			
				3.07	5.25~5.35	1.18			
				4.81	5.47~5.725	1.26			
				4.2	5.725~5.850	1.28			
2	Chain0/1	Hong-Bo	260-25083	5.09	5.850~5.895	1.29	PIFA	MHF 4L	300
				5.14	5.925~6.425	1.35			
				5.09	6.425~6.525	1.38			
				5.16	6.525~6.875	1.45			
				5.12	6.875~7.125	1.50			
3	Chain0/1	Hong-Bo	260-25084	3.22	2.4~2.4835	0.49	Monopole	MHF 4L	200
				3.35	5.150~5.250	0.76			
				3.42	5.250~5.350	0.77			
				4.77	5.470~5.725	0.80			
				4.72	5.725~5.850	0.84			
				4.71	5.850~5.895	0.84			
				4.75	5.925~6.425	0.86			
				4.29	6.425~6.525	0.91			
				4.81	6.525~6.875	0.96			
				4.74	6.875~7.125	0.98			
Newly									
Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)		Antenna Type	Connector Type	Cable Length (mm)
4	Chain0/1	SparkLAN	AD-513AX	3.11	2.4~2.4835		Dipole	I-PEX MHF4	150
				4.46	5.150~5.850				
				4.07	5.850~5.895				
				4.53	5.925~6.425				
				4.06	6.425~6.525				
				4.04	6.525~6.875				
				3.97	6.875~7.125				
5	Chain0/1	SparkLAN	AD-510AX	2.27	2.4~2.4835		Dipole	RP-SMA (M)	150
				2.88	5.150~5.850				
				2.6	5.850~5.895				
				3.23	5.925~6.425				
				3.34	6.425~6.525				
				3.52	6.525~6.875				
6	Chain0/1	SparkLAN	AD-512AX	3.52	6.875~7.125		Dipole	RP-SMA (M)	150
				2.35	2.4~2.4835				
				3.00	5.150~5.850				
				2.80	5.850~5.895				
				2.87	5.925~6.425				
				3.02	6.425~6.525				
7	Chain0/1	SparkLAN	AD-516AX	3.02	6.525~6.875		Dipole	I-PEX MHF4	250
				3.02	6.525~6.875				
				2.61	6.875~7.125				
				1.65	2.4~2.4835				
				4.3	5.150~5.850				
				3.98	5.850~5.895				
8	Chain0/1	Johanson	2450AD18A6050	4	5.925~6.425		Chip	MHF4L to SMA-F	250
				4	6.425~6.525				
				3.91	6.525~6.875				
				3.78	6.875~7.125				
				2	2.4~2.4835				
				1.5	5.150~5.850				
				2.7	5.850~5.895				
				2.7	5.925~6.425				
				2.7	6.425~6.525				
				2.7	6.525~6.875				
				2.7	6.875~7.125				

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

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ac (VHT160)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX
802.11be (EHT20)	2TX	2RX
802.11be (EHT40)	2TX	2RX
802.11be (EHT80)	2TX	2RX
802.11be (EHT160)	2TX	2RX
802.11ax (RU26/52/106/242/484/996/2*996)	2TX	2RX
802.11be (RU26/52/106/242/484/996/2*996 MRU52+26/106+26/ 484+242/996+484/996+484+242)	2TX	2RX

Note: The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz, 160 MHz), 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) and 802.11be mode for 20 MHz (40 MHz, 80 MHz, 160 MHz). Therefore the investigated worst case is the representative mode in test report.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

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

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

1 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:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates.
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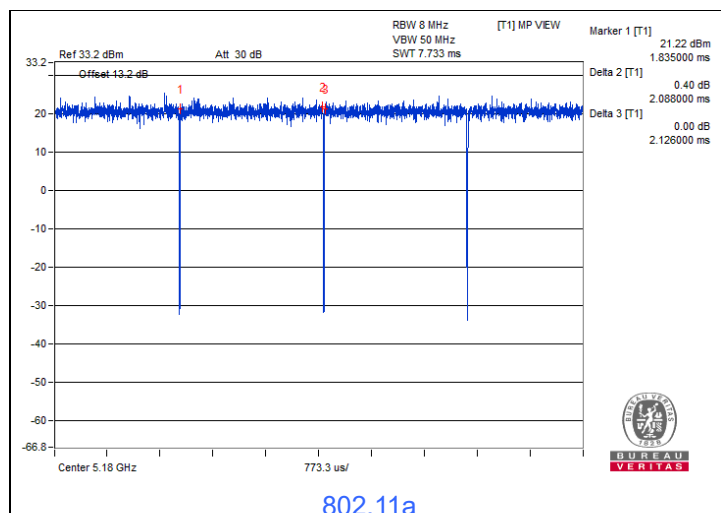
Following channel(s) was (were) selected for the final test as listed below:

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
RF Output Power	-	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
		802.11be (EHT20)		36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
		802.11be (EHT40)		38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0	NA
		802.11be (EHT80)		42, 58, 106, 122, 138, 155	BPSK	MCS0	NA
		802.11be (EHT160)		50, 114	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU		36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	0, 0, 8, 0, 0, 8, 0, 0, 8, 8, 0, 0, 8
		802.11be (EHT20) 52-tone RU		36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	37, 37, 40, 37, 37, 40, 37, 37, 40, 40, 37, 37, 40
		802.11be (EHT20) 106-tone RU		36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	53, 53, 54, 53, 53, 54, 53, 53, 54, 54, 53, 53, 54
		802.11be (EHT20) 242-tone RU		40, 64, 116, 165	BPSK	MCS0	61, 61, 61, 61
		802.11be (EHT40) 484-tone RU		46, 62, 110, 159	BPSK	MCS0	65, 65, 65, 65
		802.11be (EHT80) 996-tone RU		42, 58, 138, 155	BPSK	MCS0	67, 67, 67, 67
		802.11be (EHT160) 2x996-tone RU		50, 114	BPSK	MCS0	68, 68
		802.11be (EHT20) 52+26-tone MRU		40, 64, 116, 165	BPSK	MCS0	UL_RU52+26_Low_70_MCS0, UL_RU52+26_High_72_MCS0, UL_RU52+26_Low_70_MCS0, UL_RU52+26_High_72_MCS0,
		802.11be (EHT20) 106+26-tone MRU		40, 64, 116, 165	BPSK	MCS0	UL_RU106+26_Low_82_MCS0, UL_RU106+26_High_83_MCS0, UL_RU106+26_Low_82_MCS0, UL_RU106+26_High_83_MCS0,

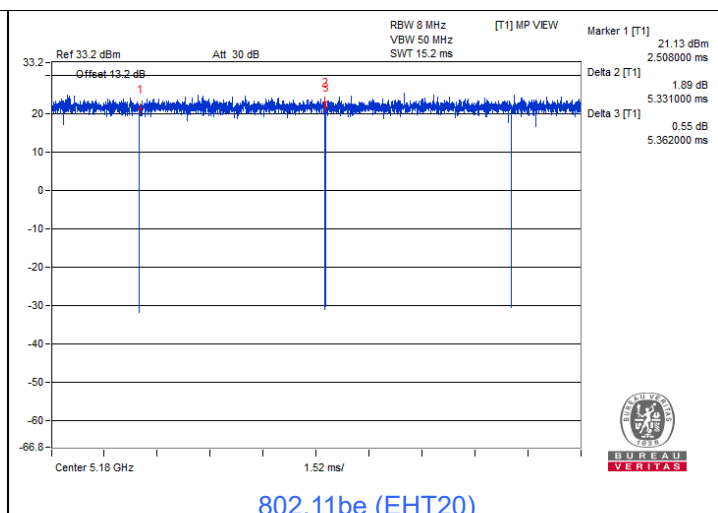
Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
RF Output Power	-	802.11be (EHT80) 484+242-tone MRU	CDD	42, 58, 138, 155	BPSK	MCS0	UL_RU484+242_Punc 20_91_MCS0 UL_RU484+242_Punc 20_91_MCS0 UL_RU484+242_Punc 20_91_MCS0 UL_RU484+242_Punc 20_91_MCS0
		802.11be (EHT160) 996+484-tone MRU		50, 114	BPSK	MCS0	UL_RU996+484_Punc 40_MCS0 UL_RU996+484_Low_ MCS0
		802.11be (EHT80) Punctured by 20 MHz		42, 58, 138, 155	BPSK	MCS0	EHT80_SU_Punct20_ Mid2 EHT80_SU_Punct20_ Mid2 EHT80_SU_Punct20_ Mid2 EHT80_SU_Punct20_ Mid2
		802.11be (EHT160) Punctured by 20 MHz		50, 114	BPSK	MCS0	EHT160_SU_Punct20_ Mid3 EHT160_SU_Punct20_ High
		802.11be (EHT160) Punctured by 40 MHz		50, 114	BPSK	MCS0	EHT160_SU_Punct40_ Mid2 EHT160_SU_Punct40_ High
		AC Power Conducted Emissions		C	802.11be (EHT20)	CDD	100
Unwanted Emissions below 1 GHz	A, B	802.11be (EHT20)	CDD	100	BPSK	MCS0	NA
Unwanted Emissions above 1 GHz	A, B	802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144	BPSK	MCS0	NA
		802.11be (EHT80)		58	BPSK	MCS0	NA
		802.11be (EHT20) 242-tone RU		149, 157, 165	BPSK	MCS0	NA
		802.11be (EHT80) 484+242-tone MRU		155	BPSK	MCS0	UL_RU484+242_Punc 20_91_MCS0
EUT Configure Mode:	A	EUT only (remove 50 ohm terminator and Connect to the appropriate equipment)					
	B	EUT with 50 ohm terminator					
	C	EUT with antenna (Model: 260-25094)					
Note: For unwanted emission test items, the tested channel was chosen the worst case as mode represent to report							

3.5 Duty Cycle of Test Signal

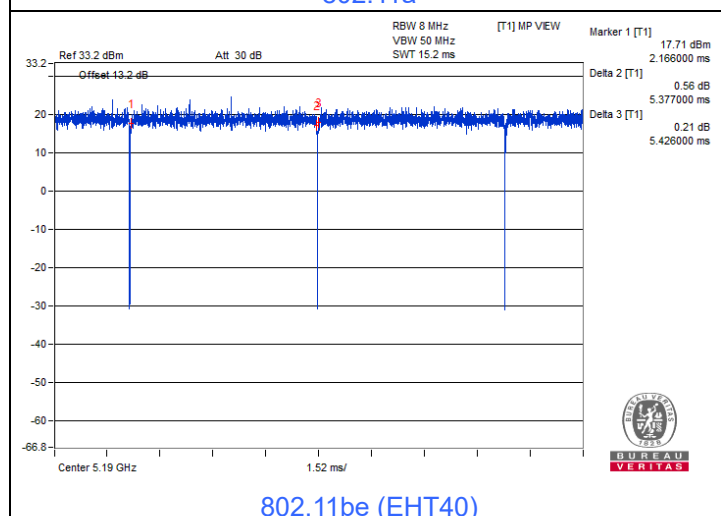
802.11a: Duty cycle = 2.088 ms / 2.126 ms x 100% = 98.2%
802.11be (EHT20): Duty cycle = 5.331 ms / 5.362 ms x 100% = 99.4%
802.11be (EHT40): Duty cycle = 5.377 ms / 5.426 ms x 100% = 99.1%
802.11be (EHT80): Duty cycle = 5.251 ms / 5.312 ms x 100% = 98.9%
802.11be (EHT160): Duty cycle = 4.401 ms / 4.439 ms x 100% = 99.1%
802.11be (EHT20) 26-tone RU: Duty cycle = 5.073 ms / 5.107 ms x 100% = 99.3%
802.11be (EHT20) 52-tone RU: Duty cycle = 5.073 ms / 5.107 ms x 100% = 99.3%
802.11be (EHT20) 106-tone RU: Duty cycle = 5.073 ms / 5.107 ms x 100% = 99.3%
802.11be (EHT20) 242-tone RU: Duty cycle = 5.073 ms / 5.107 ms x 100% = 99.3%
802.11be (EHT40) 484-tone RU: Duty cycle = 3.311 ms / 3.352 ms x 100% = 98.8%
802.11be (EHT80) 996-tone RU: Duty cycle = 1.622 ms / 1.65 ms x 100% = 98.3%
802.11be (EHT160) 2x996-tone RU: Duty cycle = 2.154 ms / 2.179 ms x 100% = 98.9%
802.11be (EHT20) 52+26-tone MRU: Duty cycle = 4.545 ms / 4.587 ms x 100% = 99.1%
802.11be (EHT20) 106+26-tone MRU: Duty cycle = 4.545 ms / 4.587 ms x 100% = 99.1%
802.11be (EHT80) 484+242-tone MRU: Duty cycle = 1.114 ms / 1.128 ms x 100% = 98.8%
802.11be (EHT160) 996+484-tone MRU: Duty cycle = 0.924 ms / 0.94 ms x 100% = 98.3%
802.11be (EHT80) Punctured by 20 MHz: Duty cycle = 5.251 ms / 5.312 ms x 100% = 98.9%
802.11be (EHT160) Punctured by 20 MHz: Duty cycle = 4.401 ms / 4.439 ms x 100% = 99.1%
802.11be (EHT160) Punctured by 40 MHz: Duty cycle = 4.401 ms / 4.439 ms x 100% = 99.1%



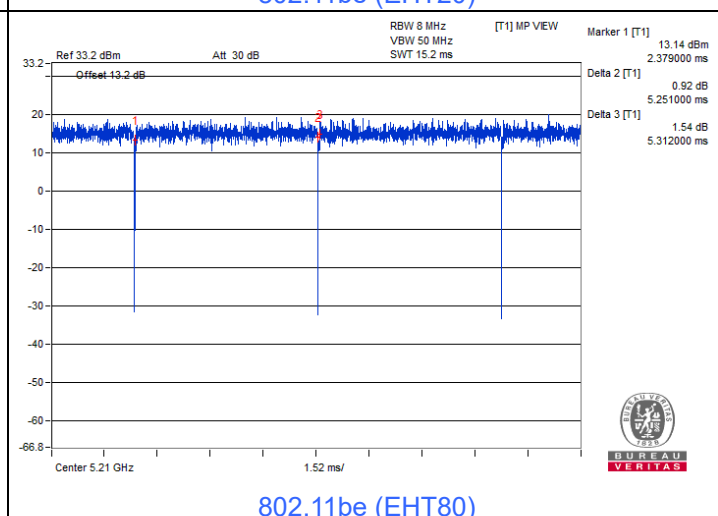
802.11a



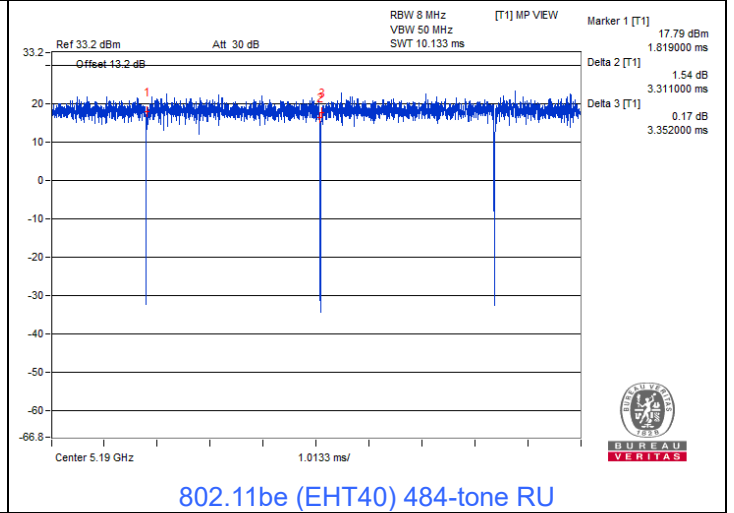
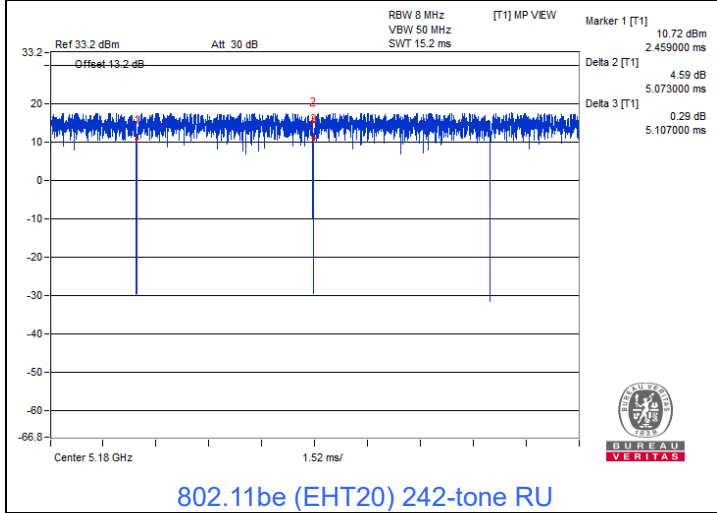
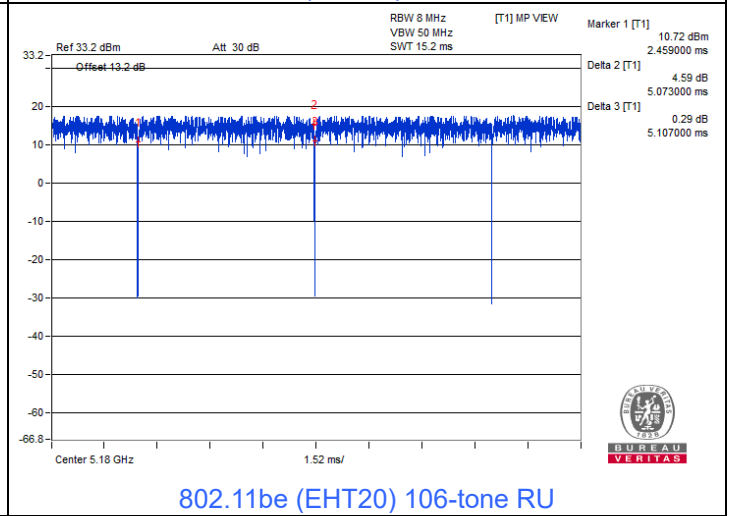
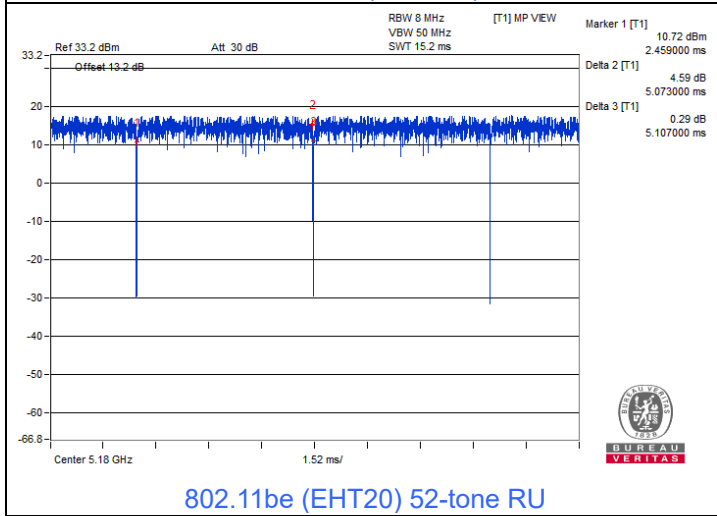
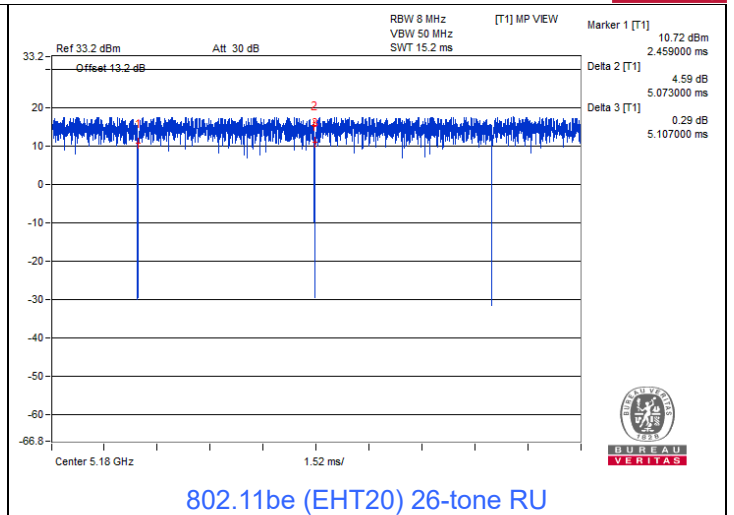
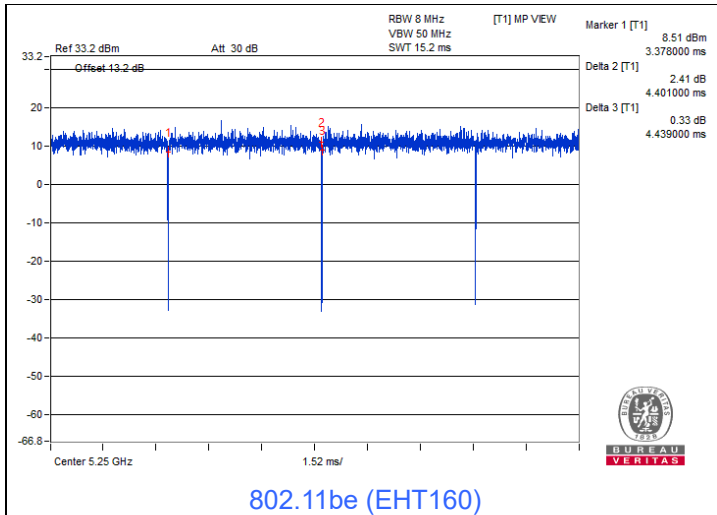
802.11be (EHT20)

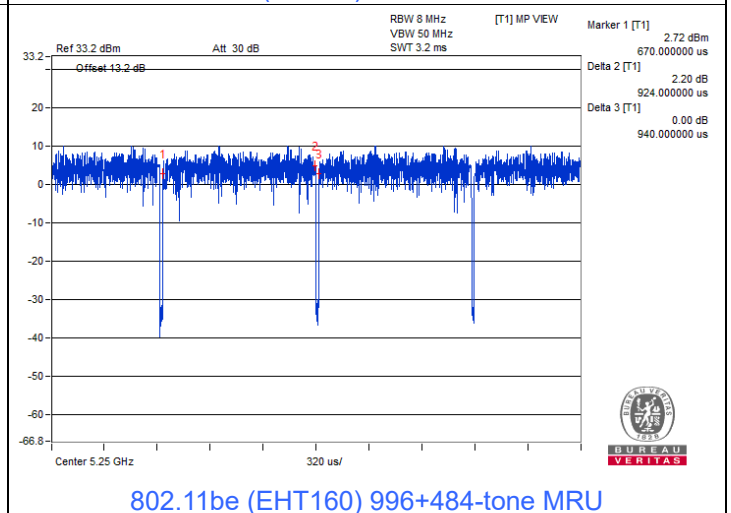
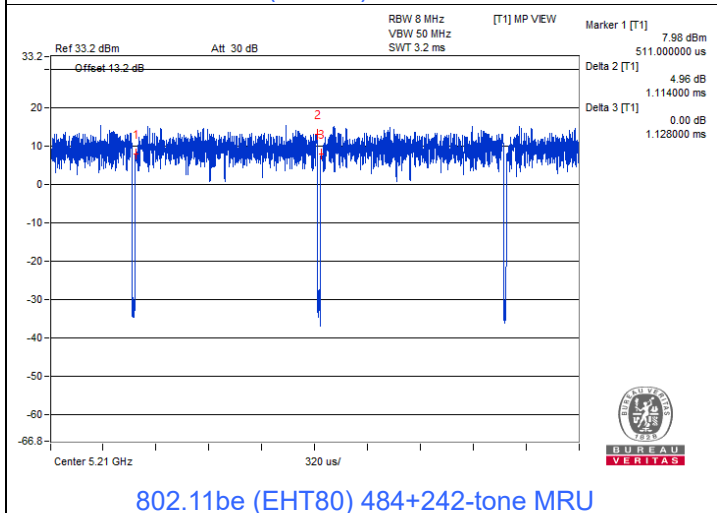
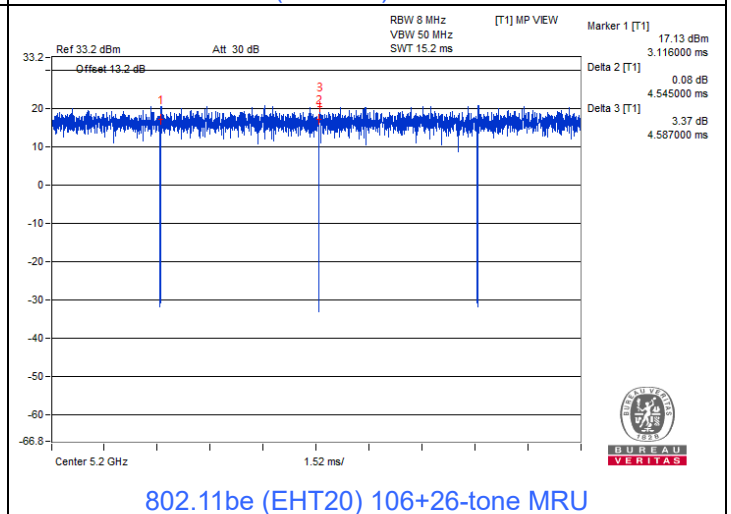
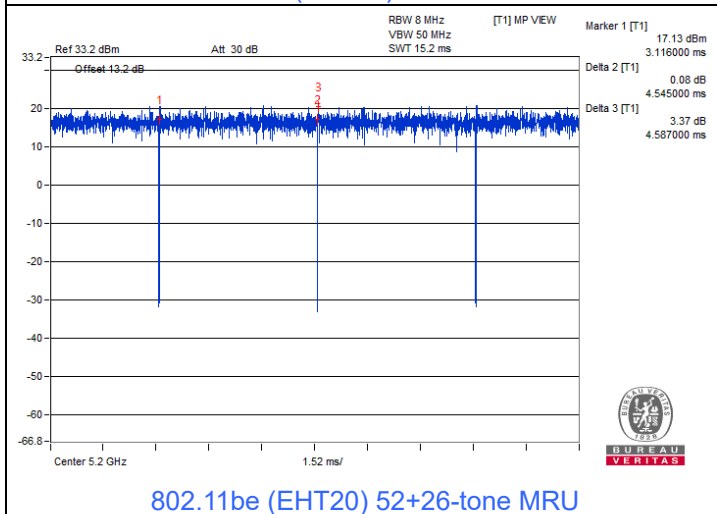
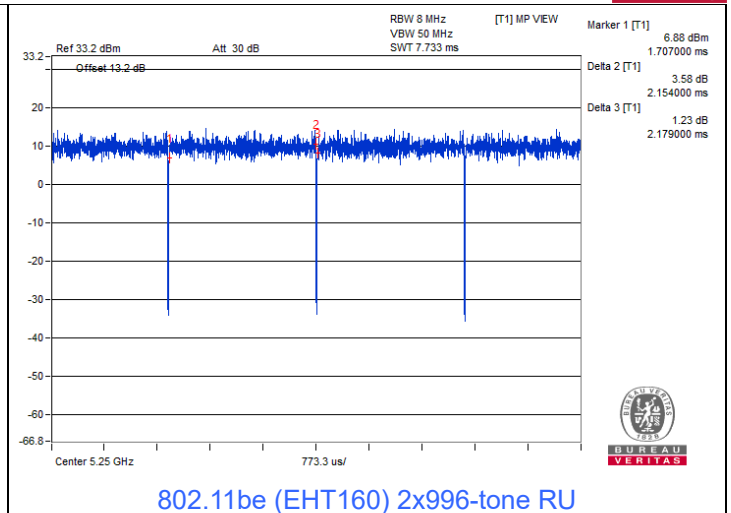
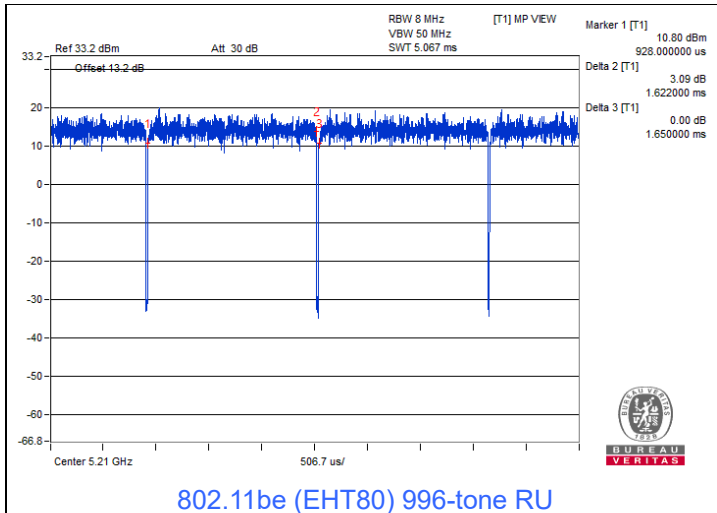


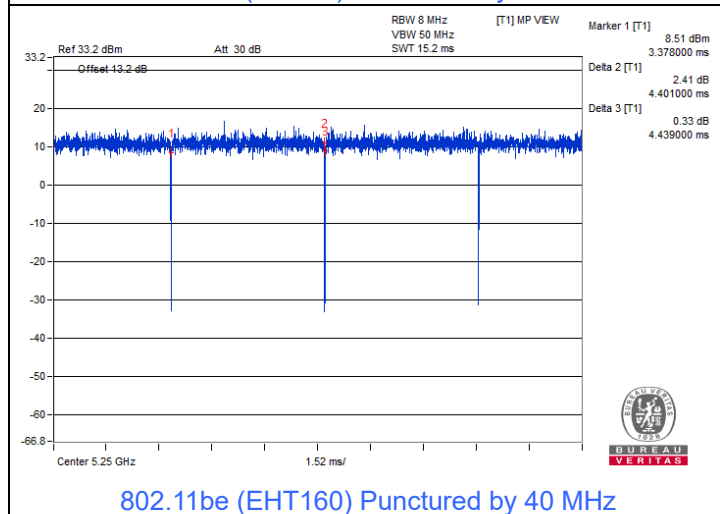
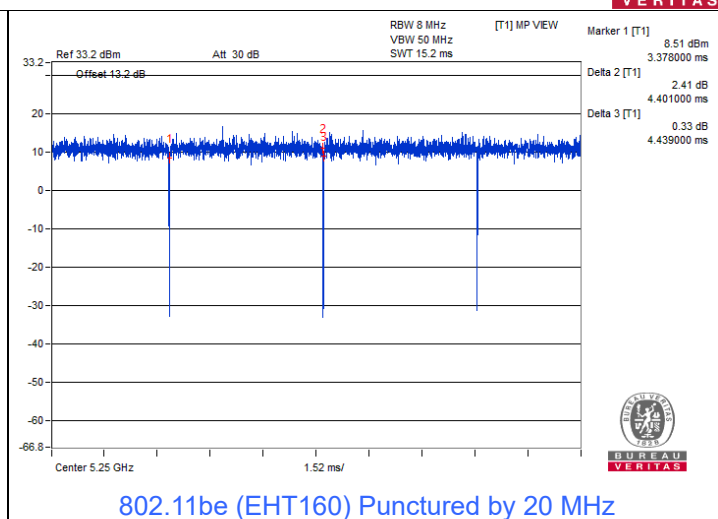
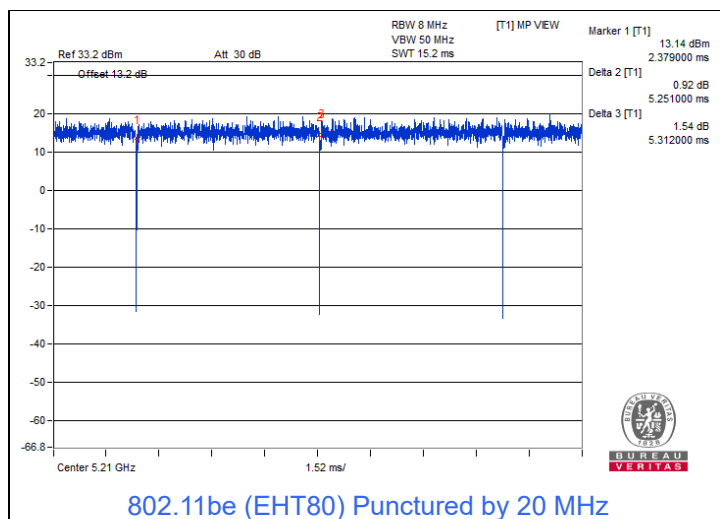
802.11be (EHT40)



802.11be (EHT80)





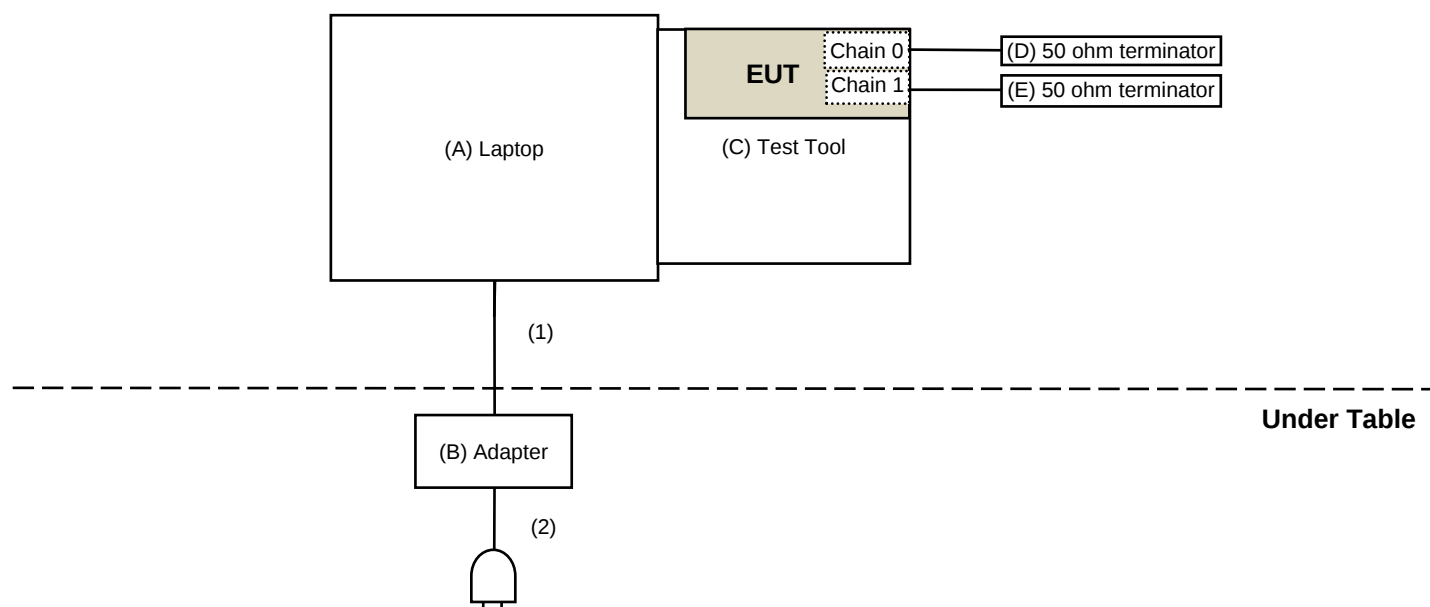


3.6 Test Program Used and Operation Descriptions

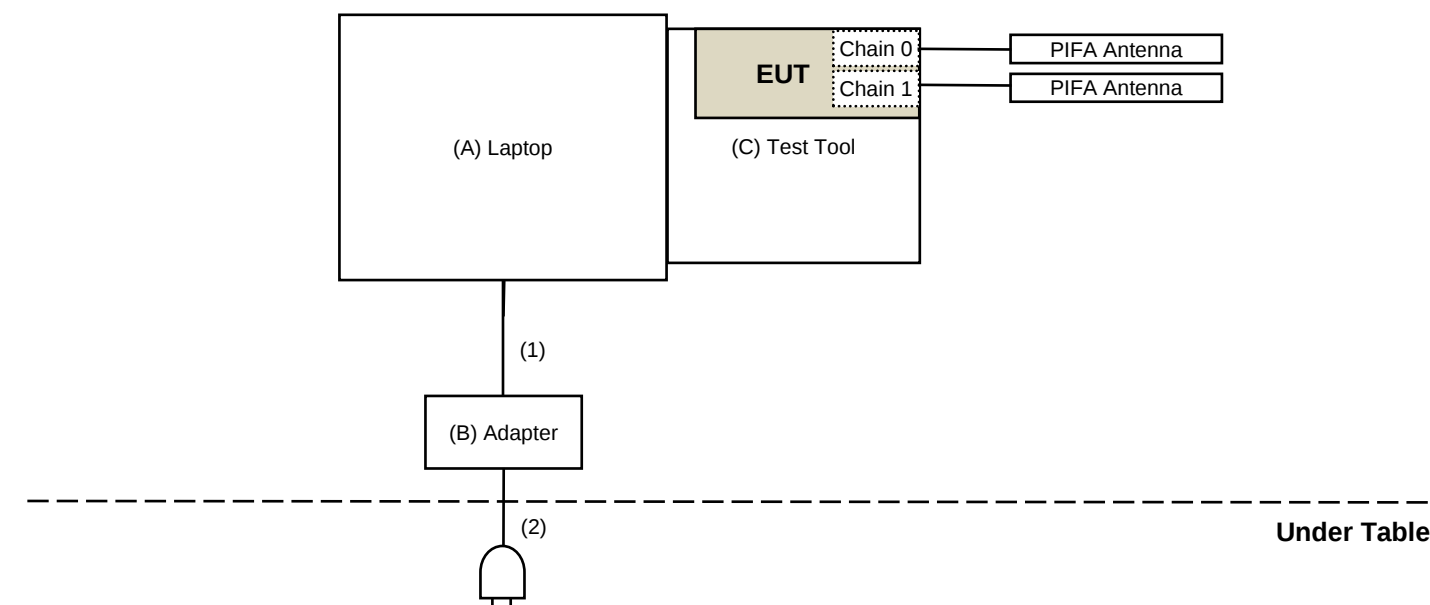
Controlling software (WLQN QRCT Module V4.0.00200.1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

For Unwanted Emission test:



For AC Power Conducted Emission test:



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E6430	J29SNX1	N/A	Provided by Lab
B	Adapter	DELL	MA65NM130	N/A	N/A	Provided by Lab
C	Test Tool	Qualcomm	N/A	N/A	N/A	Supplied by applicant
D	50 Ohm terminator	WOKEN	WTER-18S2	N/A	N/A	Provided by Lab
E	50 Ohm terminator	WOKEN	WTER-18S2	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	No	0	Provided by Lab
2	AC Cable	1	1	No	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 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22
Pulse Power Sensor Anritsu	MA2411B	1726434	2025/6/3	2026/6/2
PXA Signal Analyzer Keysight	N9030A	MY55330160	2025/1/16	2026/1/15
RF Power Meter Anritsu	ML2495A	1529002	2025/6/3	2026/6/2
Software	ADT_RF Test Software V8	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/8/6

4.2 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance Telegartner	50 ohm	3	2024/11/1	2025/10/31
EMI Test Receiver R&S	ESCS 30	100375	2025/5/21	2026/5/20
Fixed Attenuator STI	STI02-2200-10	005	2025/2/17	2026/2/16
LISN R&S	ESH3-Z5	835239/001	2025/3/27	2026/3/26
		848773/004	2024/10/7	2025/10/6
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2025/2/17	2026/2/16
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2025/6/9

4.3 Unwanted Emissions below 1 GHz

Mode A

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030A	MY55330160	2025/1/16	2026/1/15
Software	ADT_RF Test Software V8	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/8/19

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-406	2024/10/8	2025/10/7
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-03	2025/2/15	2026/2/14
Loop Antenna TESEQ	HLA 6121	63620	2024/10/17	2025/10/16
MXE EMI Receiver Agilent	N9038A	MY51210202	2024/7/29	2025/7/28
Preamplifier EMCI	EMC330N	980701	2025/2/15	2026/2/14
	EMC001340	980142	2025/2/17	2026/2/16
RF Coaxial Cable mTJ	100100-CFD400LW-200	CFD400-200	2025/2/15	2026/2/14
	100100-CFD400LW-400	CFD400-400	2025/2/15	2026/2/14
	100100-CFD400LW-800	CFD400-800	2025/2/15	2026/2/14
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2025/6/9

4.4 Unwanted Emissions above 1 GHz

Mode A

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030A	MY55330160	2025/1/16	2026/1/15
Software	ADT_RF Test Software V8	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/8/19 ~ 2025/8/29

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-783	2024/11/10 2025/11/9	2025/11/9 2026/11/8
	BBHA 9170	9170-739	2024/11/10 2025/11/9	2025/11/9 2026/11/8
MXA Signal Analyzer Keysight	N9020B	MY60112410	2025/3/17	2026/3/16
Preamplifier EMCI	EMC12630SE	980688	2025/8/7	2026/8/6
	EMC184045SE	980387	2025/8/7	2026/8/6
RF Coaxial Cable EMCI	EMC102-KM-KM-1200	160924	2025/1/24	2026/1/23
	EMC102-KM-KM-4000	200214	2025/1/24	2026/1/23
	EMC104-SM-SM-1200	160922	2025/1/14	2026/1/13
	EMC104-SM-SM-2000	180502	2025/1/14	2026/1/13
	EMC104-SM-SM-6000	210704	2024/10/30 2025/10/22	2025/10/29 2026/10/21
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2025/8/22 ~ 2025/12/2

5 Limits of Test Items

5.1 RF Output Power

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p $\leq$ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
	Fixed point-to-point Access 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.

5.2 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.

5.3 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).

5.4 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) *

* Conducted Unwanted Emission Convert Formula:

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8, d = measurement distance in 3 meters.

Emission Level (dBuV/m) = -27 – 20log(3) + 104.8 = 68.26

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) *

* Conducted Unwanted Emission Convert Formula:

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8, d = measurement distance in 3 meters.

Emission Level (dBuV/m) = -27 – 20log(3) + 104.8 = 68.26

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) *

* Conducted Unwanted Emission Convert Formula:

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8, d = measurement distance in 3 meters.

Emission Level (dBuV/m) = -27 – 20log(3) + 104.8 = 68.26

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: 68.2 (dBμV/m) ^{*1}
	PK: 10 (dBm/MHz) ^{*2}	PK: 105.2 (dBμV/m) ^{*2}
	PK: 15.6 (dBm/MHz) ^{*3}	PK: 110.8 (dBμV/m) ^{*3}
	PK: 27 (dBm/MHz) ^{*4}	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.

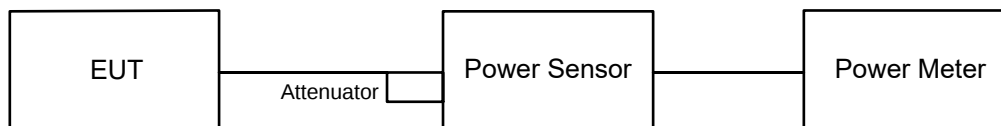
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

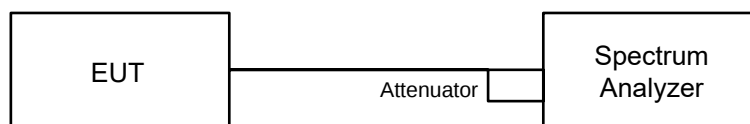
6 Test Arrangements

6.1 RF Output Power

6.1.1 Test Setup



For channel straddling:



6.1.2 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:

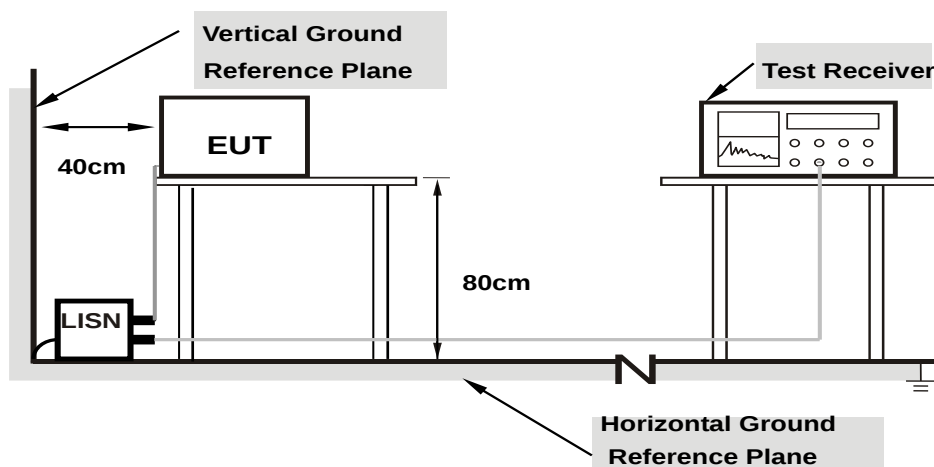
Method SA-1

- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 1 MHz.
- Set VBW $\geq$ 3 MHz.
- Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto.
- Detector = Power averaging (rms), if available. Otherwise, use sample detector mode.
- If transmit duty cycle $< 98\%$, use a video trigger with the trigger level set to enable triggering only on full power pulses. The transmitter shall operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no OFF intervals) or at duty cycle $\geq 98\%$, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run."
- Trace average at least 100 traces in power averaging (rms) mode.
- Compute power by integrating the spectrum across the 99% OBW of the signal using the instrument's band-power measurement function, with band limits set equal to the 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 99% OBW of the spectrum.

Note: When measuring straddle channel power, use compute power by integrating the spectrum across the 99% OBW of the signal using the instrument's band power measurement function, with band limits set equal to the 99% 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 99% OBW of the spectrum.

6.2 AC Power Conducted Emissions

6.2.1 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).

6.2.2 Test Procedure

- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- 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.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

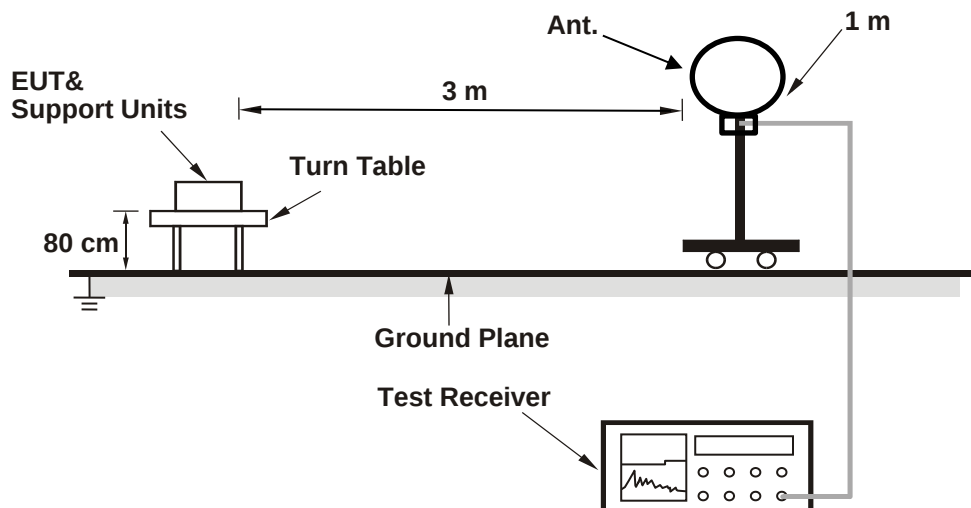
Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

6.3 Unwanted Emissions below 1 GHz

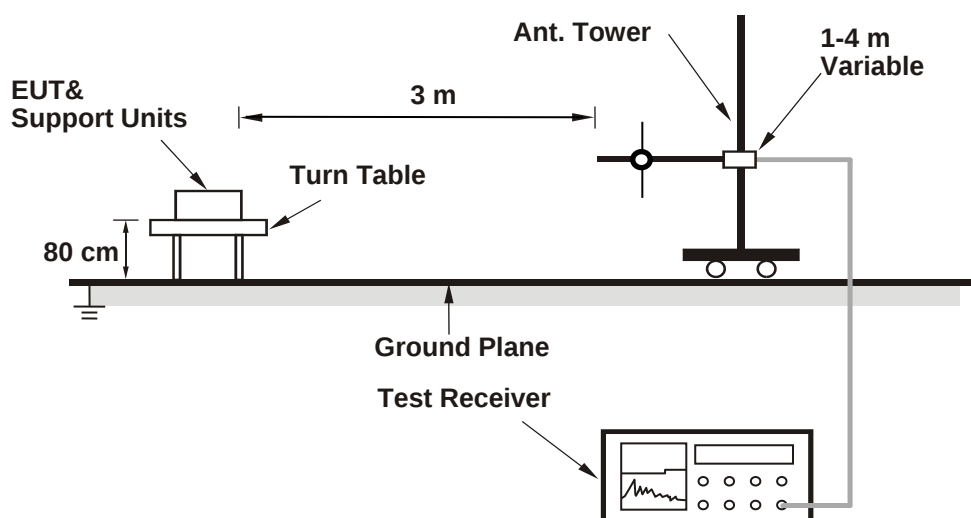
6.3.1 Test Setup

For Radiated Configuration:

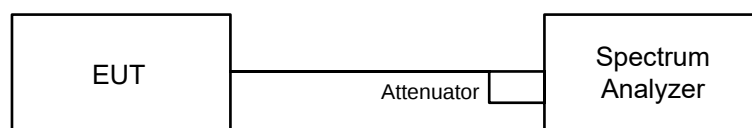
For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



For Conducted Configuration:



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

6.3.2 Test Procedure

Radiated versus Conducted Measurement.

The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.

The following steps was performed:

- a. Cabinet emissions measurements. Radiated measurement was performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna was replaced by a termination matching the nominal impedance of the antenna.
- b. Conducted tests was performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT.
- c. EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater.
- d. EIRP adjustments for multiple outputs. (Follow the procedures specified in FCC KDB Publication 662911)
- e. For all of Radiation emission test

For Radiated emission below 30 MHz

- e-1.1. 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.
- e-1.2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- e-1.3. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- e-1.4. 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-1.5. 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

- e-2.1. 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.
- e-2.2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- e-2.3. 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.
- e-2.4. 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-2.5. 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.

Radiated versus Conducted Measurement

For Radiated measurement:

The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation).

For Conducted measurement:

The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).

Conducted Unwanted Emission Convert Formula

- a. $\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$
 d = measurement distance in 3 meters.
- b. $\text{EIRP Level (dBm)} = \text{Raw Value(dBm)} + \text{Correction Factor(dB)}$
- c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal.
 For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands.
 For the band edge the gain for the specific band may have been used.

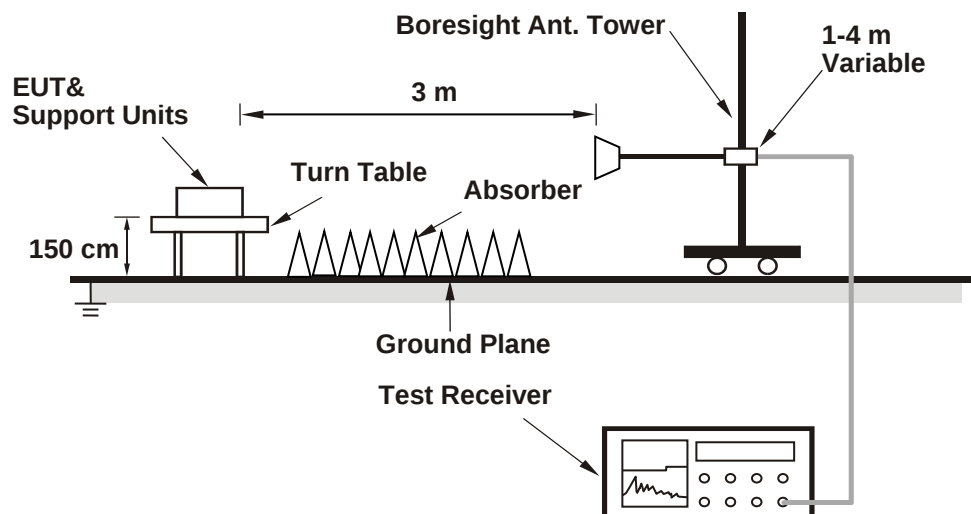
Notes:

1. In restricted bands below 1000 MHz, add upper bound on ground plane reflection:
 For frequencies between 30 MHz and 1000 MHz, add 4.7 dB.
2. The conducted emission test was considered some factor to compute test result.

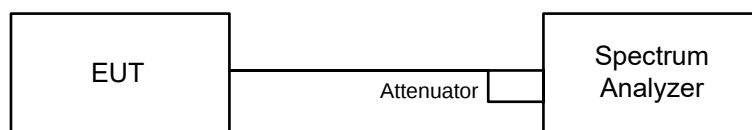
6.4 Unwanted Emissions above 1 GHz

6.4.1 Test Setup

For Radiated Configuration:



For Conducted Configuration:



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

6.4.2 Test Procedure

Radiated versus Conducted Measurement.

The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.

The following steps was performed:

- Cabinet emissions measurements. Radiated measurement was performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna was replaced by a termination matching the nominal impedance of the antenna.
- Conducted tests was performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT.
- EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater.
- EIRP adjustments for multiple outputs. (Follow the procedures specified in FCC KDB Publication 662911)
- For all of Radiation emission test
 - 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.
 - The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

- e-3. 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.
- e-4. 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-5. 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 $\geq 1/T$ (Duty cycle < 98%) or 10 Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1 GHz.
3. All modes of operation were investigated and the worst-case emissions are reported.

Radiated versus Conducted Measurement

For Radiated measurement:

The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation).

For Conducted measurement:

The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).

For Verified radiated measurement:

The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation).

Conducted Unwanted Emission Convert Formula

a. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

b. EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB).

c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal.

For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands.

For the band edge the gain for the specific band may have been used.

Note: The conducted emission test was considered some factor to compute test result.

7 Test Results of Test Item

7.1 RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Kevin Ko
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	18.05	15.83	102.109	20.09	24	Pass
40	5200	18.08	16.23	106.245	20.26	24	Pass
48	5240	17.74	15.89	98.244	19.92	24	Pass
52	5260	17.77	16.02	99.836	19.99	24	Pass
60	5300	17.87	16.15	102.445	20.10	24	Pass
64	5320	17.63	15.74	95.44	19.80	24	Pass
100	5500	17.58	15.57	93.337	19.70	24	Pass
116	5580	17.69	15.89	97.564	19.89	24	Pass
140	5700	17.64	15.76	95.747	19.81	24	Pass
*144 (U-NII-2C)	5720	15.98	15.27	73.279	18.65	23.04	Pass
*144 (U-NII-3)	5720	7.80	7.58	11.754	10.70	30	Pass
149	5745	17.83	15.77	98.431	19.93	30	Pass
157	5785	17.70	15.87	97.521	19.89	30	Pass
165	5825	17.68	16.08	99.165	19.96	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	17.72	15.67	96.054	19.83	24	Pass
40	5200	17.87	15.90	100.14	20.01	24	Pass
48	5240	17.71	16.11	99.852	19.99	24	Pass
52	5260	18.04	15.90	102.584	20.11	24	Pass
60	5300	18.00	15.69	100.164	20.01	24	Pass
64	5320	17.76	15.75	97.287	19.88	24	Pass
100	5500	17.98	15.63	99.365	19.97	24	Pass
116	5580	17.63	15.41	92.696	19.67	24	Pass
140	5700	15.80	13.76	61.787	17.91	24	Pass
*144 (U-NII-2C)	5720	16.04	16.09	80.823	19.08	23.1	Pass
*144 (U-NII-3)	5720	9.10	9.35	16.738	12.24	30	Pass
149	5745	17.80	15.84	98.627	19.94	30	Pass
157	5785	17.70	15.93	98.059	19.91	30	Pass
165	5825	17.77	16.11	100.673	20.03	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	16.32	14.55	71.365	18.53	24	Pass
46	5230	17.10	15.59	87.51	19.42	24	Pass
54	5270	17.05	15.53	86.426	19.37	24	Pass
62	5310	15.47	15.20	68.35	18.35	24	Pass
102	5510	16.16	14.10	67.009	18.26	24	Pass
110	5550	17.22	15.40	87.397	19.41	24	Pass
134	5670	17.22	15.42	87.557	19.42	24	Pass
*142 (U-NII-2C)	5710	16.70	16.22	88.653	19.48	24	Pass
*142 (U-NII-3)	5710	5.01	4.23	5.818	7.65	30	Pass
151	5755	17.19	15.56	88.335	19.46	30	Pass
159	5795	17.28	15.53	89.184	19.50	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	15.51	13.67	58.844	17.70	24	Pass
58	5290	14.82	12.91	49.882	16.98	24	Pass
106	5530	15.43	13.44	56.994	17.56	24	Pass
122	5610	16.63	14.68	75.402	18.77	24	Pass
*138 (U-NII-2C)	5690	16.29	15.94	81.824	19.13	24	Pass
*138 (U-NII-3)	5690	0.62	0.52	2.281	3.58	30	Pass
155	5775	16.83	15.04	80.11	19.04	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	8.43	7.25	12.275	10.89	24	Pass
*50 (U-NII-2A)	5250	8.98	7.71	13.809	11.40	24	Pass
114	5570	13.22	11.41	34.825	15.42	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	9.63	8.74	16.665	12.22	24	Pass
40	5200	9.48	8.80	16.457	12.16	24	Pass
48	5240	9.46	8.60	16.075	12.06	24	Pass
52	5260	8.97	8.22	14.526	11.62	24	Pass
60	5300	9.52	8.58	16.165	12.09	24	Pass
64	5320	9.56	8.41	15.971	12.03	24	Pass
100	5500	7.84	6.57	10.621	10.26	24	Pass
116	5580	8.07	6.91	11.321	10.54	24	Pass
140	5700	7.43	6.65	10.157	10.07	24	Pass
*144 (U-NII-2C)	5720	-24.64	-24.88	0.006686	-21.75	22.51	Pass
*144 (U-NII-3)	5720	6.07	5.85	7.892	8.97	30	Pass
149	5745	16.24	15.32	76.113	18.81	30	Pass
157	5785	16.21	15.26	75.357	18.77	30	Pass
165	5825	16.05	15.23	73.614	18.67	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	12.77	11.64	33.512	15.25	24	Pass
40	5200	12.85	11.71	34.1	15.33	24	Pass
48	5240	12.74	11.67	33.482	15.25	24	Pass
52	5260	12.55	11.68	32.712	15.15	24	Pass
60	5300	12.63	11.53	32.546	15.12	24	Pass
64	5320	13.27	12.22	37.905	15.79	24	Pass
100	5500	11.04	10.14	23.033	13.62	24	Pass
116	5580	11.33	10.36	24.447	13.88	24	Pass
140	5700	11.27	10.28	24.063	13.81	24	Pass
*144 (U-NII-2C)	5720	-11.54	-10.46	0.1601	-7.96	22.56	Pass
*144 (U-NII-3)	5720	9.05	8.63	15.33	11.86	30	Pass
149	5745	16.90	15.94	88.242	19.46	30	Pass
157	5785	16.30	15.89	81.473	19.11	30	Pass
165	5825	16.83	15.87	86.831	19.39	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	16.51	15.50	80.253	19.04	24	Pass
40	5200	16.60	15.48	81.027	19.09	24	Pass
48	5240	16.34	15.40	77.726	18.91	24	Pass
52	5260	15.91	15.15	71.728	18.56	24	Pass
60	5300	15.96	15.10	71.805	18.56	24	Pass
64	5320	15.84	15.02	70.139	18.46	24	Pass
100	5500	14.96	13.70	54.775	17.39	24	Pass
116	5580	15.19	14.11	58.8	17.69	24	Pass
140	5700	14.66	13.41	51.17	17.09	24	Pass
*144 (U-NII-2C)	5720	11.38	11.67	28.43	14.54	22.55	Pass
*144 (U-NII-3)	5720	10.85	10.63	23.723	13.75	30	Pass
149	5745	17.04	15.94	89.847	19.54	30	Pass
157	5785	16.95	16.12	90.471	19.57	30	Pass
165	5825	16.81	16.07	88.431	19.47	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 242-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
40	5200	17.06	16.01	90.718	19.58	24	Pass
64	5320	16.11	15.27	74.483	18.72	24	Pass
116	5580	17.45	16.33	98.544	19.94	24	Pass
165	5825	17.05	16.26	92.966	19.68	30	Pass

Notes:

- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) 484-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
46	5230	16.76	15.95	86.779	19.38	24	Pass
62	5310	14.91	13.93	55.691	17.46	24	Pass
110	5550	17.02	15.85	88.809	19.48	24	Pass
159	5795	16.93	16.12	90.243	19.55	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) 996-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	14.20	13.33	47.83	16.80	24	Pass
58	5290	13.13	12.16	37.003	15.68	24	Pass
*138 (U-NII-2C)	5690	16.18	15.77	79.253	18.99	24	Pass
*138 (U-NII-3)	5690	0.47	-0.41	2.0242	3.06	30	Pass
155	5775	11.94	10.96	28.105	14.49	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 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160) 2x996-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	8.86	7.89	13.843	11.41	24	Pass
*50 (U-NII-2A)	5250	9.16	8.33	15.049	11.78	24	Pass
114	5570	12.41	11.32	30.97	14.91	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
40	5200	14.05	13.02	45.454	16.58	24	Pass
64	5320	14.22	13.27	47.657	16.78	24	Pass
116	5580	12.04	11.08	28.819	14.60	24	Pass
165	5825	17.03	16.49	95.032	19.78	30	Pass

Notes:

- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
40	5200	17.10	16.11	92.118	19.64	24	Pass
64	5320	16.31	15.70	79.91	19.03	24	Pass
116	5580	15.65	14.67	66.037	18.20	24	Pass
165	5825	17.04	16.52	95.457	19.80	30	Pass

Notes:

- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	14.73	13.85	53.983	17.32	24	Pass
58	5290	13.06	12.17	36.712	15.65	24	Pass
*138 (U-NII-2C)	5690	15.62	15.27	70.127	18.46	24	Pass
*138 (U-NII-3)	5690	1.59	1.64	2.901	4.63	30	Pass
155	5775	16.78	15.97	87.18	19.40	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	11.06	9.85	22.425	13.51	24	Pass
*50 (U-NII-2A)	5250	8.01	7.31	11.707	10.68	24	Pass
114	5570	12.04	10.90	28.298	14.52	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	14.19	12.37	43.501	16.38	24	Pass
58	5290	13.64	11.76	38.117	15.81	24	Pass
*138 (U-NII-2C)	5690	16.21	15.76	79.453	19.00	24	Pass
*138 (U-NII-3)	5690	1.85	2.59	3.347	5.25	30	Pass
155	5775	16.75	15.01	79.011	18.98	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.72 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	8.73	5.99	11.436	10.58	24	Pass
*50 (U-NII-2A)	5250	6.98	5.82	8.808	9.45	24	Pass
114	5570	12.20	9.98	26.55	14.24	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

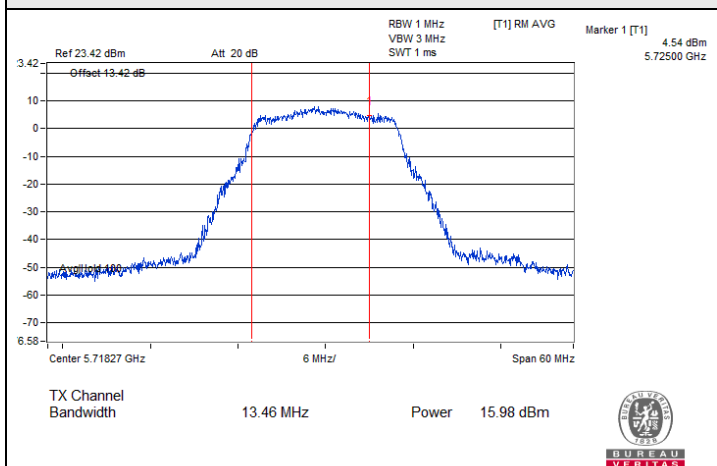
802.11be (EHT160) Punctured by 40 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	9.77	8.78	17.035	12.31	24	Pass
*50 (U-NII-2A)	5250	6.45	5.41	7.891	8.97	24	Pass
114	5570	13.03	10.95	32.536	15.12	24	Pass

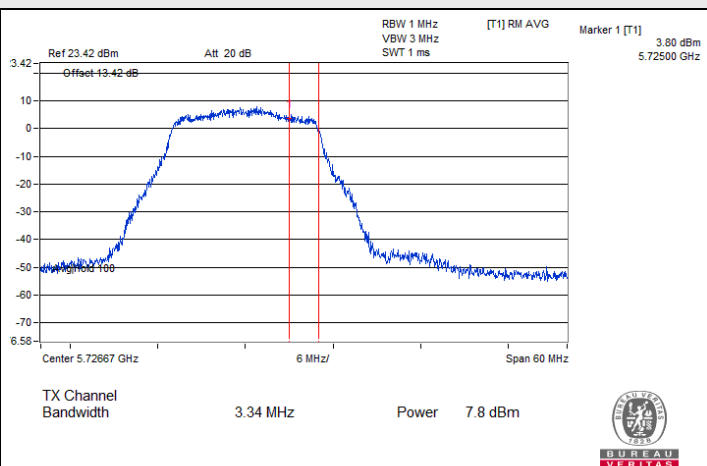
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.46 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

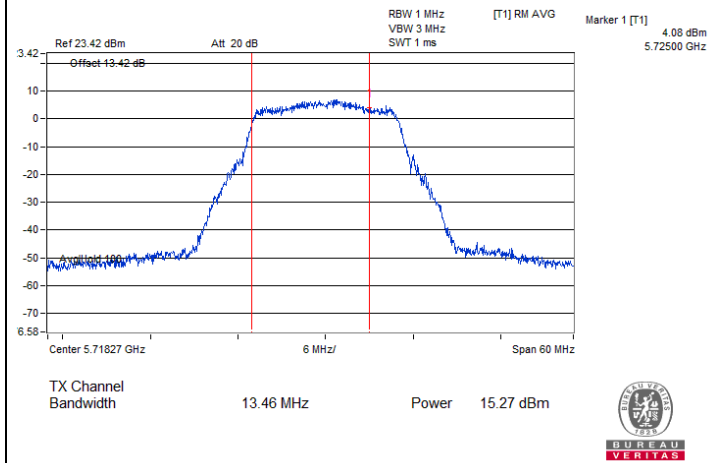
Spectrum Plot for channel straddling



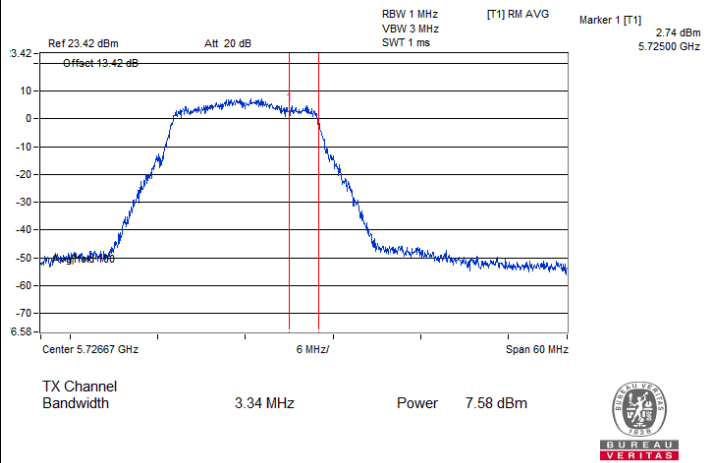
802.11a / Chain 0 : CH 144 (U-NII-2C)



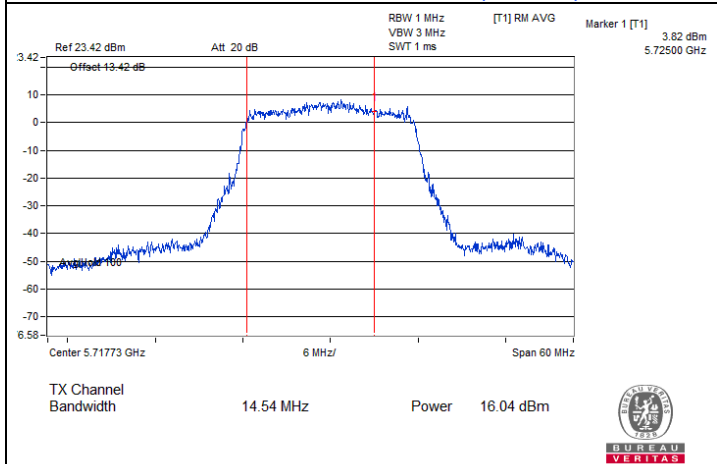
802.11a / Chain 1 : CH 144 (U-NII-2C)



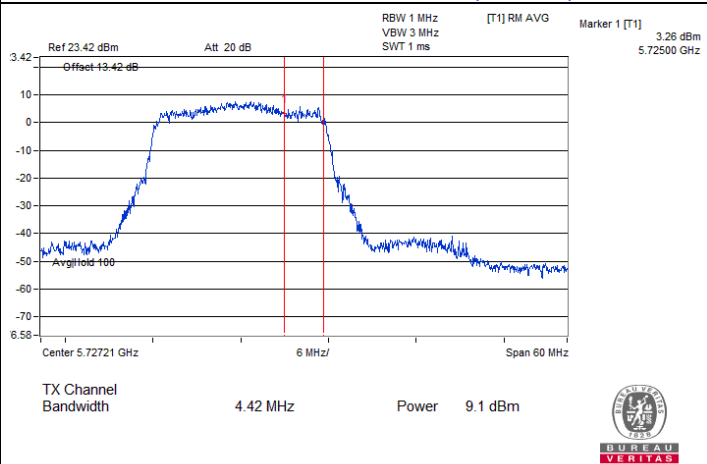
802.11a / Chain 0 : CH 144 (U-NII-3)



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

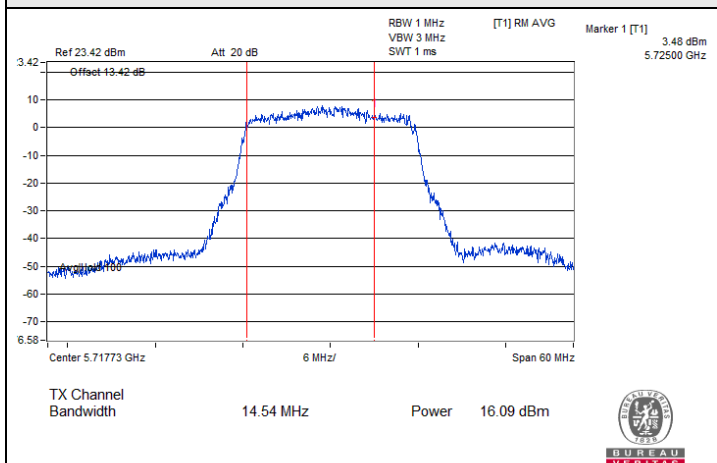


802.11be (EHT20) / Chain 0 : CH 144 (U-NII-2C)

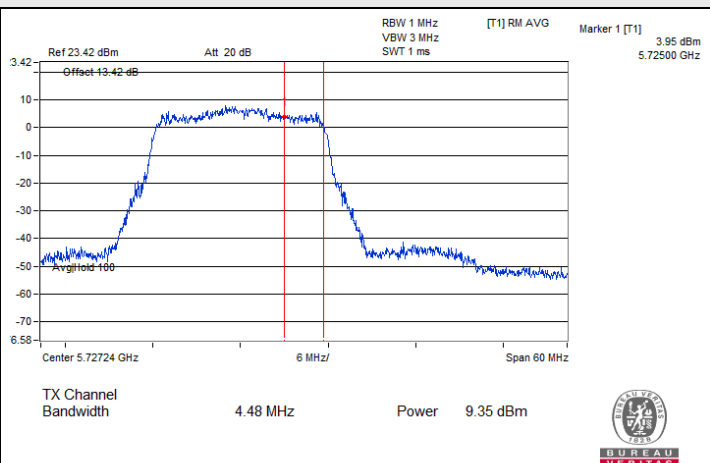


802.11be (EHT20) / Chain 1 : CH 144 (U-NII-2C)

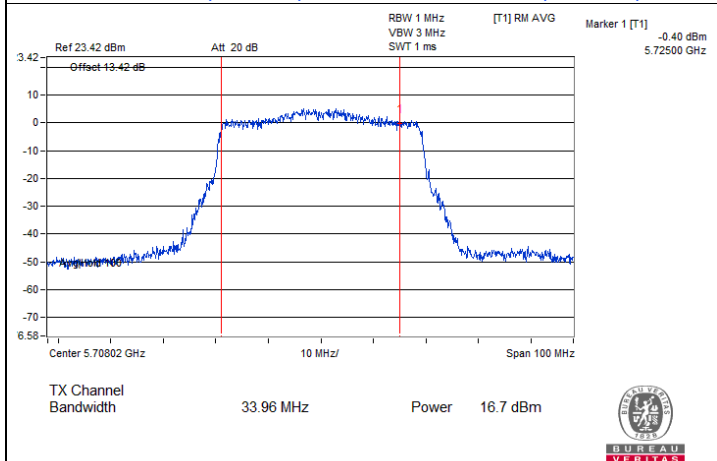
Spectrum Plot for channel straddling



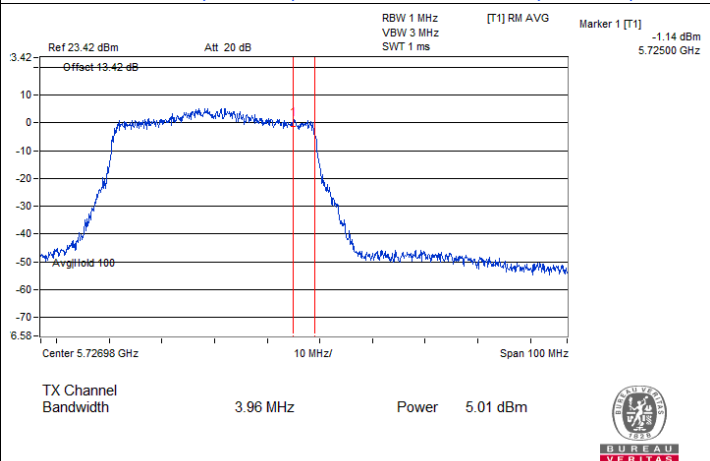
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-3)



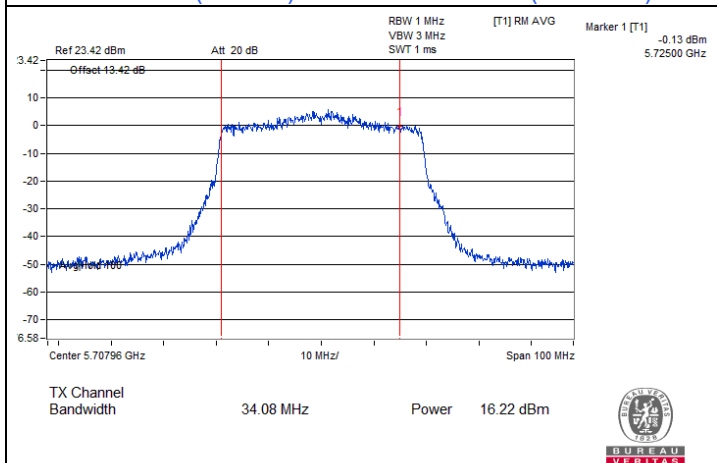
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



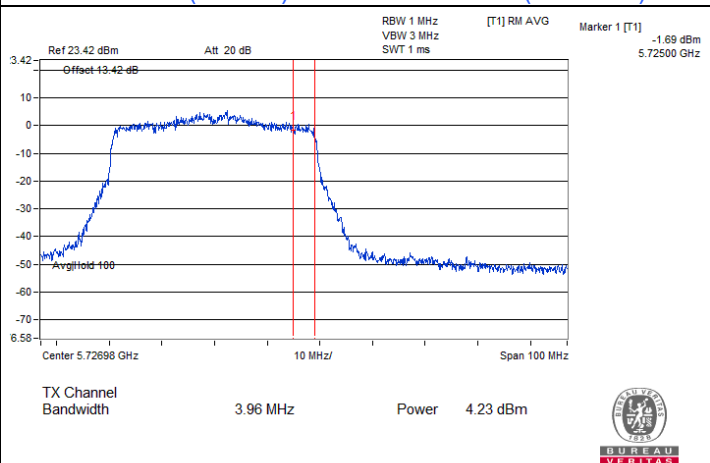
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-2C)



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

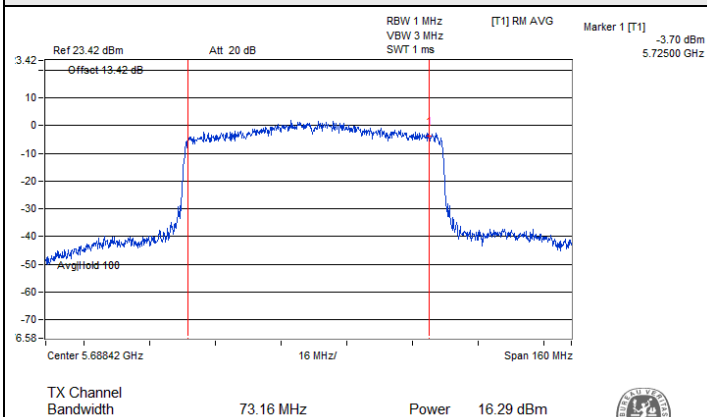


802.11be (EHT40) / Chain 0 : CH 142 (U-NII-3)

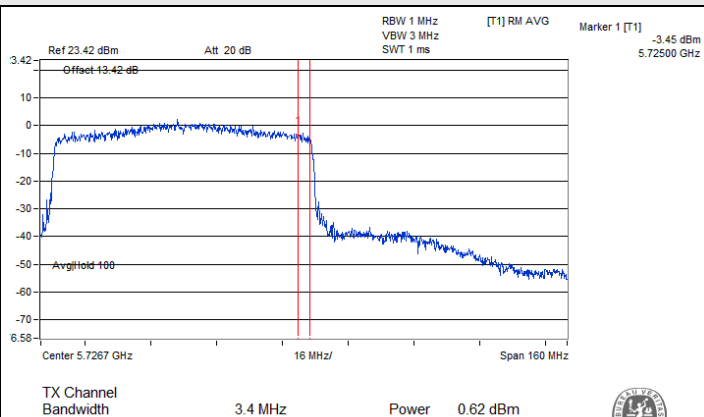


802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)

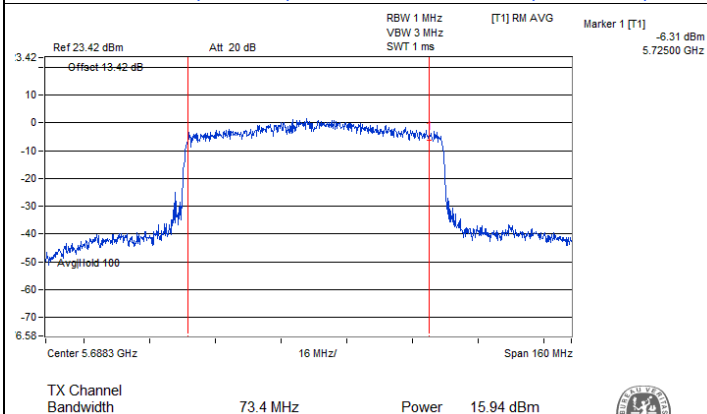
Spectrum Plot for channel straddling



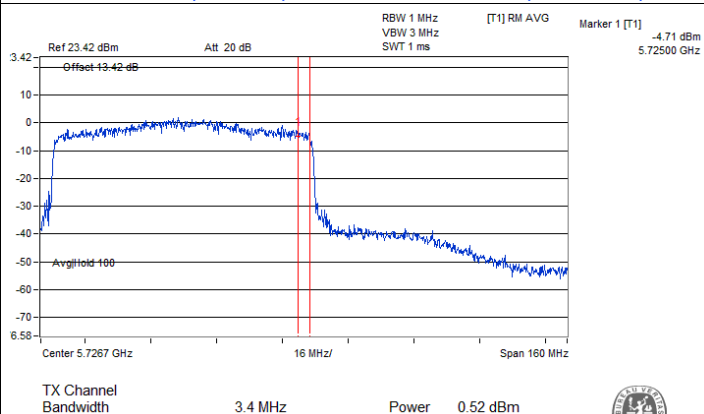
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-2C)



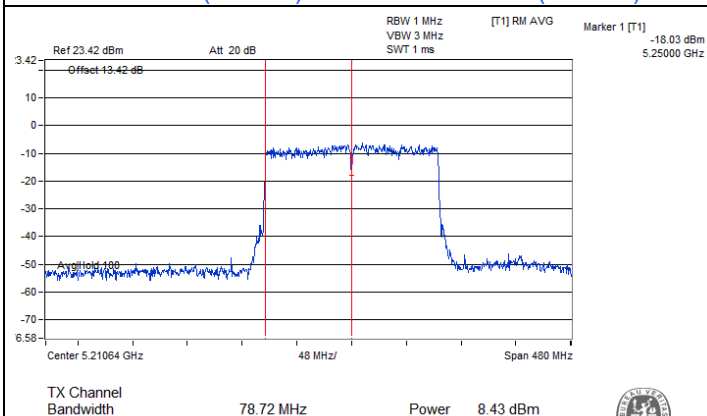
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)



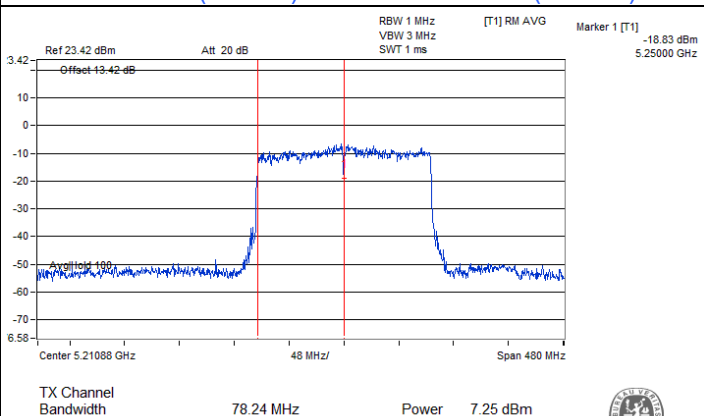
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-3)



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

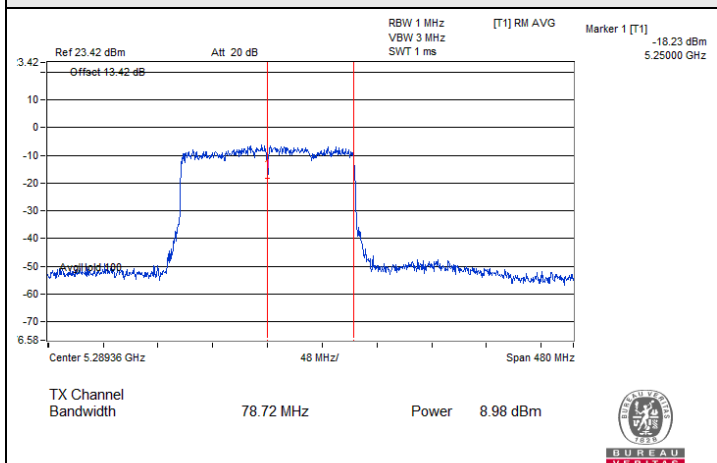


802.11be (EHT160) / Chain 0 : CH 50 (U-NII-1)

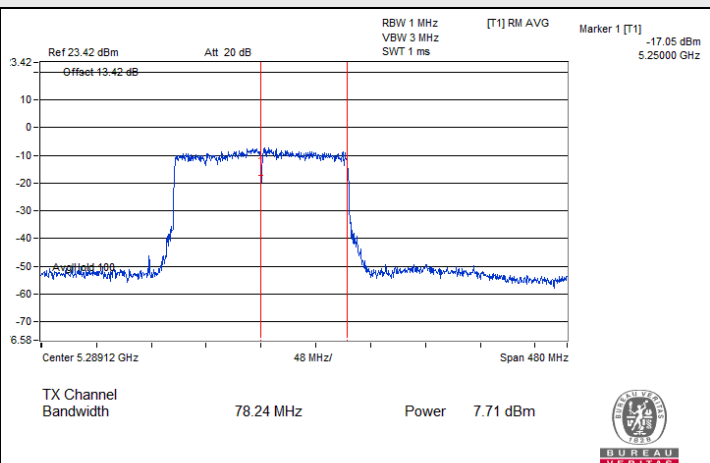


802.11be (EHT160) / Chain 1 : CH 50 (U-NII-1)

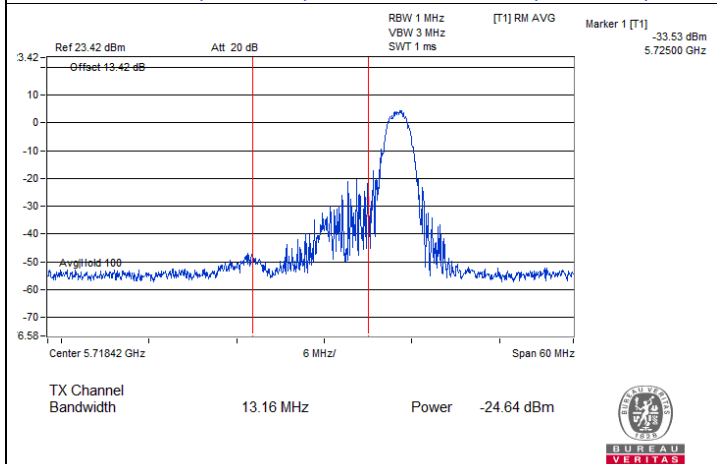
Spectrum Plot for channel straddling



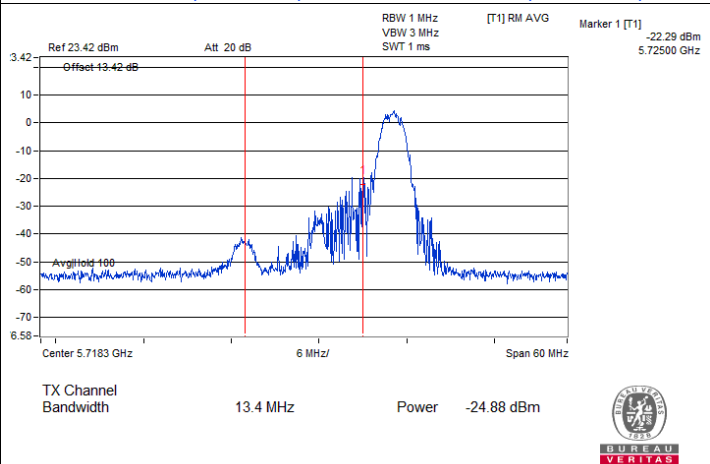
802.11be (EHT160) / Chain 0 : CH 50 (U-NII-2A)



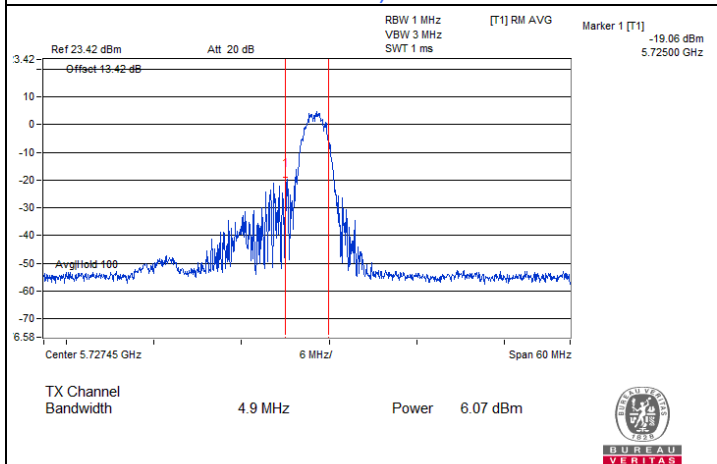
802.11be (EHT160) / Chain 1 : CH 50 (U-NII-2A)



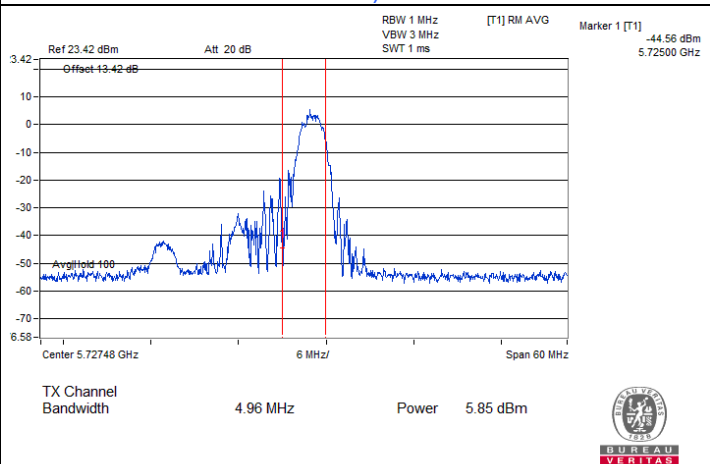
802.11be (EHT20) 26-tone RU / Chain 0 : CH 144 (U-NII-2C)



802.11be (EHT20) 26-tone RU / Chain 1 : CH 144 (U-NII-2C)

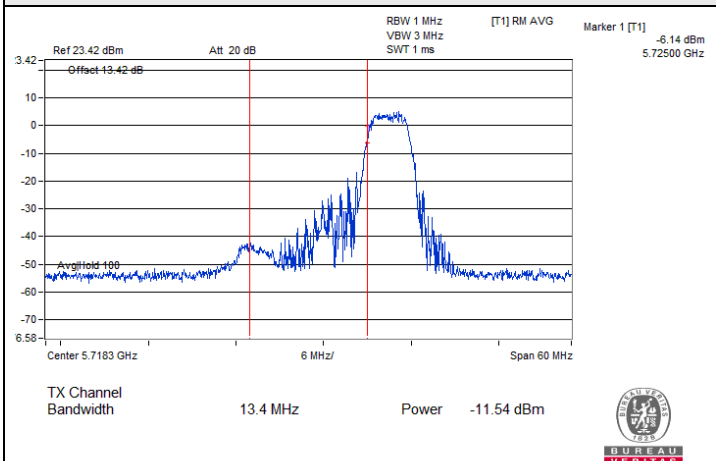


802.11be (EHT20) 26-tone RU / Chain 0 : CH 144 (U-NII-3)

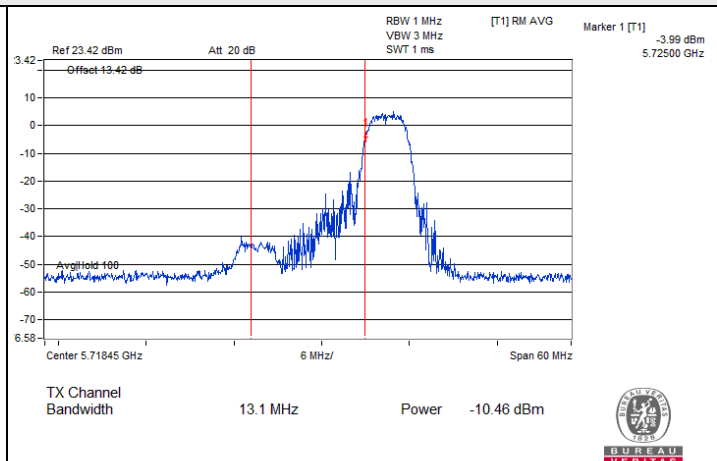


802.11be (EHT20) 26-tone RU / Chain 1 : CH 144 (U-NII-3)

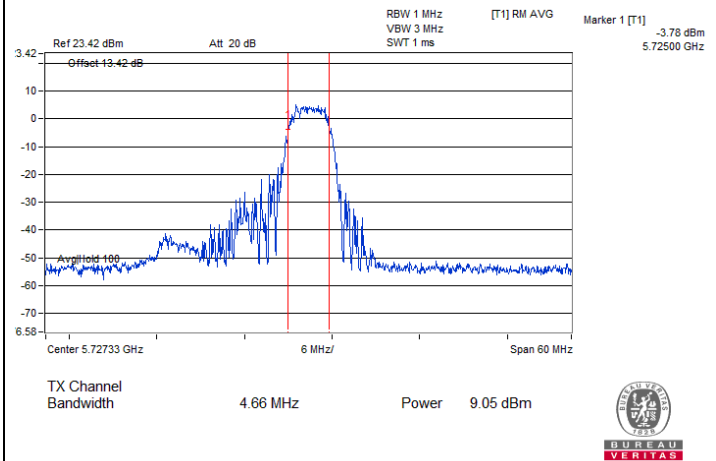
Spectrum Plot for channel straddling



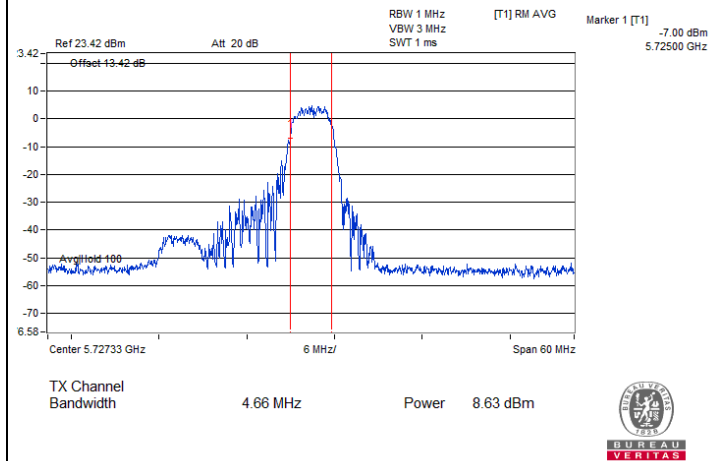
802.11be (EHT20) 52-tone RU / Chain 0 : CH 144 (U-NII-2C)



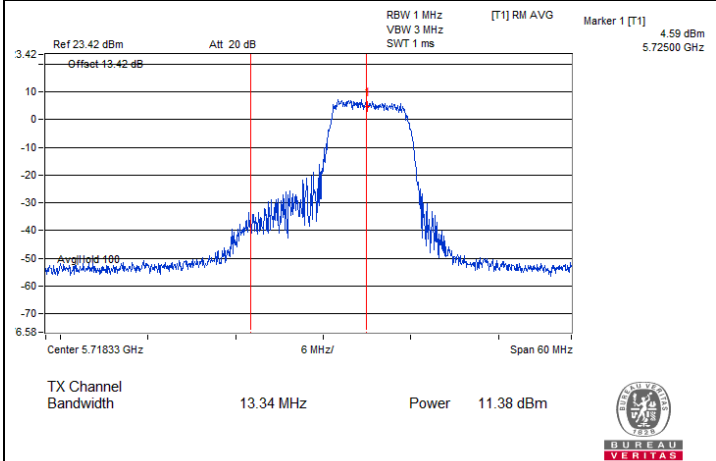
802.11be (EHT20) 52-tone RU / Chain 1 : CH 144 (U-NII-2C)



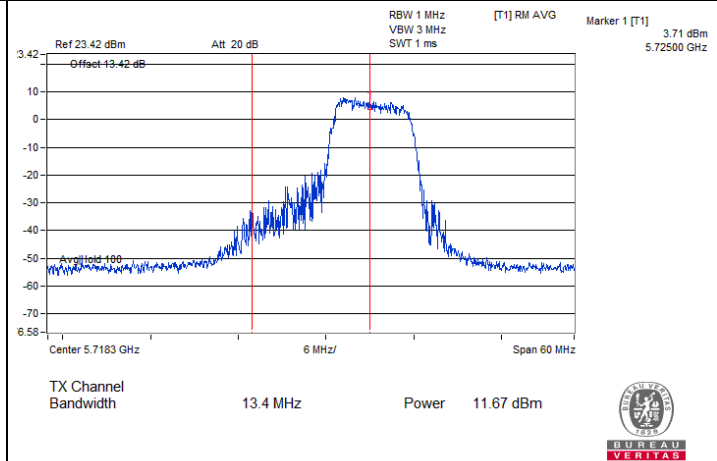
802.11be (EHT20) 52-tone RU / Chain 0 : CH 144 (U-NII-3)



802.11be (EHT20) 52-tone RU / Chain 1 : CH 144 (U-NII-3)

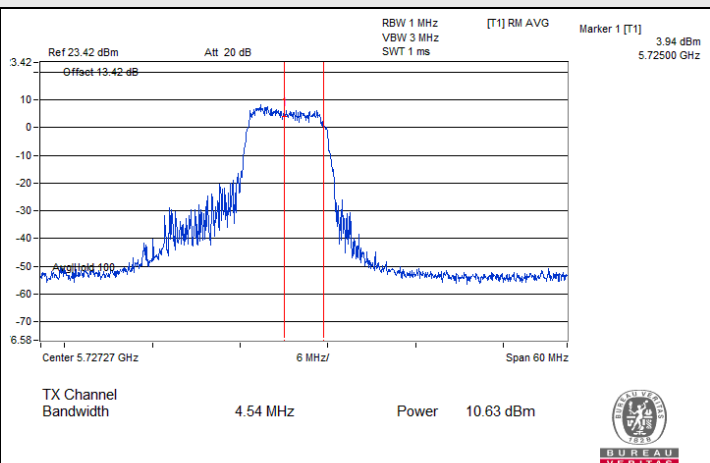
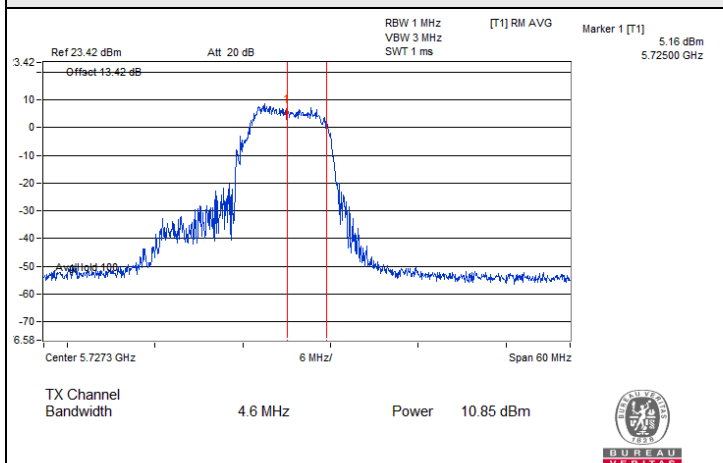


802.11be (EHT20) 106-tone RU / Chain 0 : CH 144 (U-NII-2C)

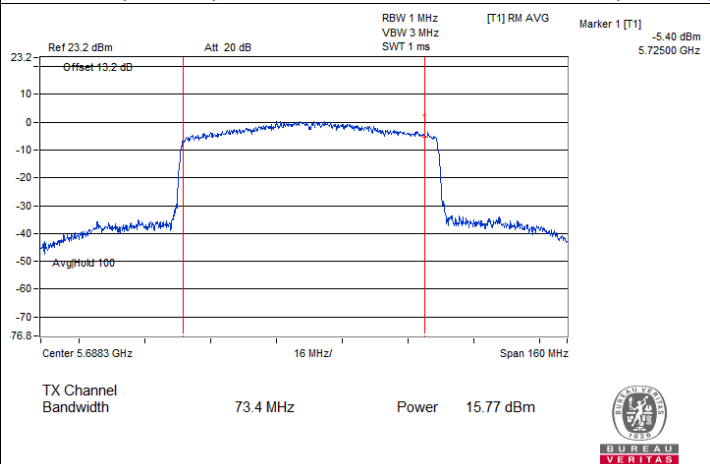
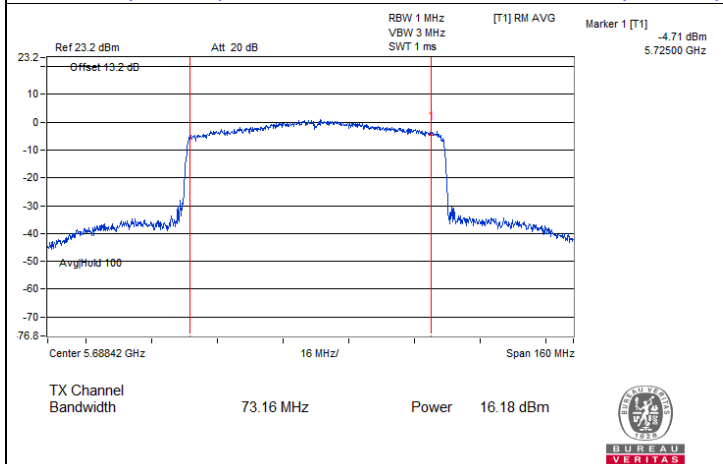


802.11be (EHT20) 106-tone RU / Chain 1 : CH 144 (U-NII-2C)

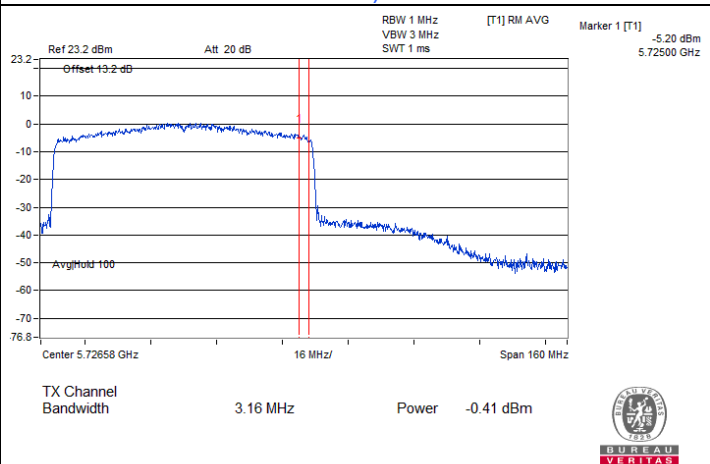
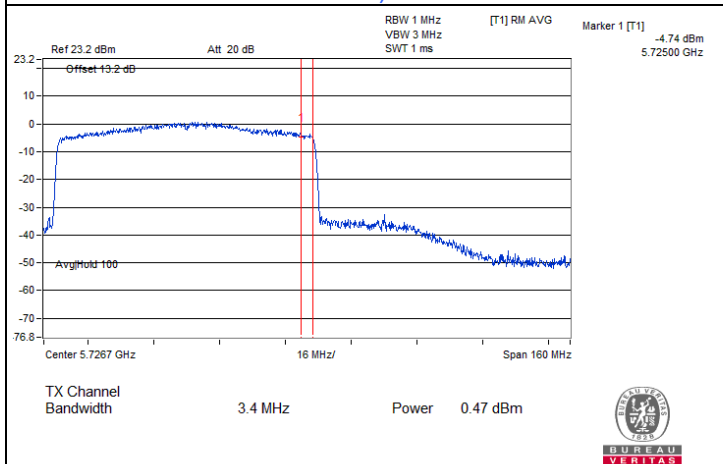
Spectrum Plot for channel straddling



802.11be (EHT20) 106-tone RU / Chain 0 : CH 144 (U-NII-3) 802.11be (EHT20) 106-tone RU / Chain 1 : CH 144 (U-NII-3)

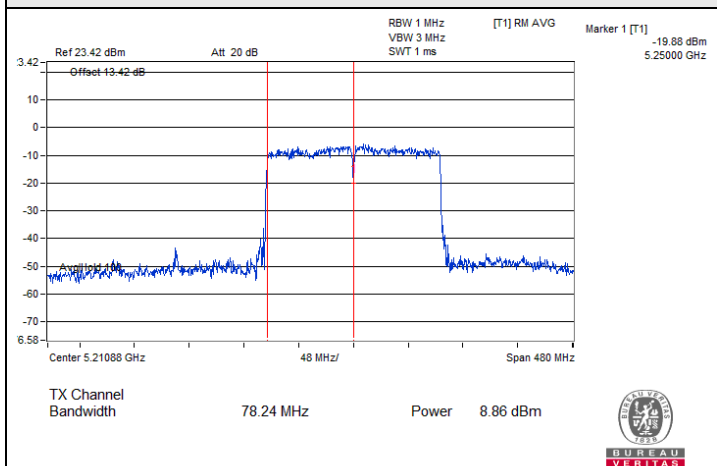


802.11be (EHT80) 996-tone RU / Chain 0 : CH 138 (U-NII-2C) 802.11be (EHT80) 996-tone RU / Chain 1 : CH 138 (U-NII-2C)

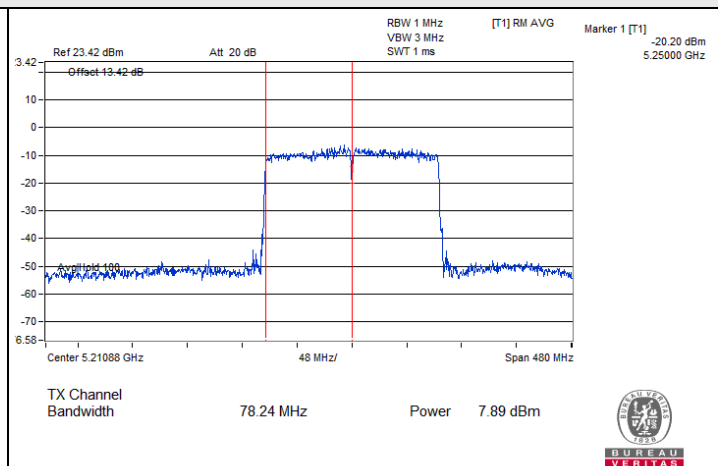


802.11be (EHT80) 996-tone RU / Chain 0 : CH 138 (U-NII-3) 802.11be (EHT80) 996-tone RU / Chain 1 : CH 138 (U-NII-3)

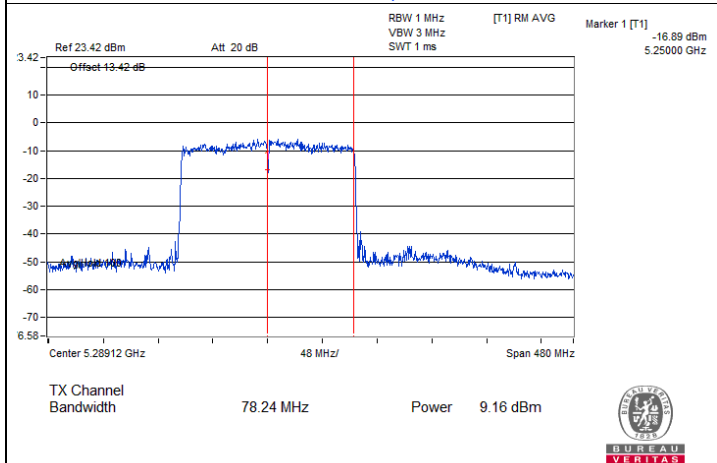
Spectrum Plot for channel straddling



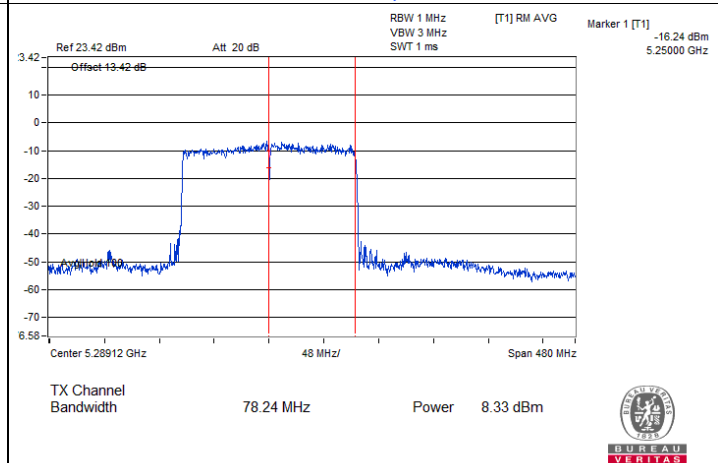
802.11be (EHT160) 2x996-tone RU / Chain 0 : CH 50 (U-NII-1)



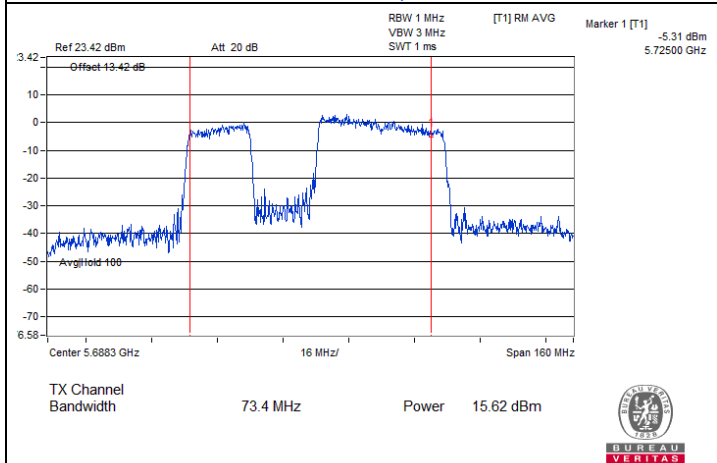
802.11be (EHT160) 2x996-tone RU / Chain 1 : CH 50 (U-NII-1)



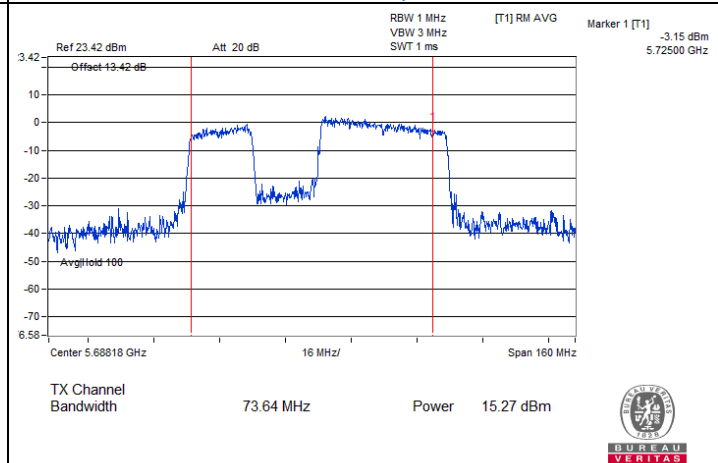
802.11be (EHT160) 2x996-tone RU / Chain 0 : CH 50 (U-NII-2A)



802.11be (EHT160) 2x996-tone RU / Chain 1 : CH 50 (U-NII-2A)

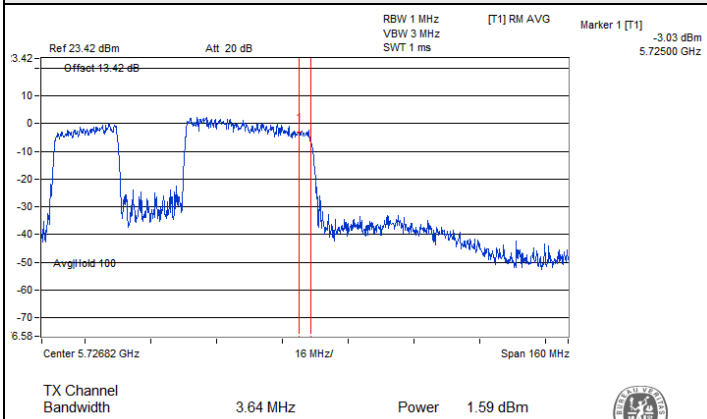


802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 138 (U-NII-2C)

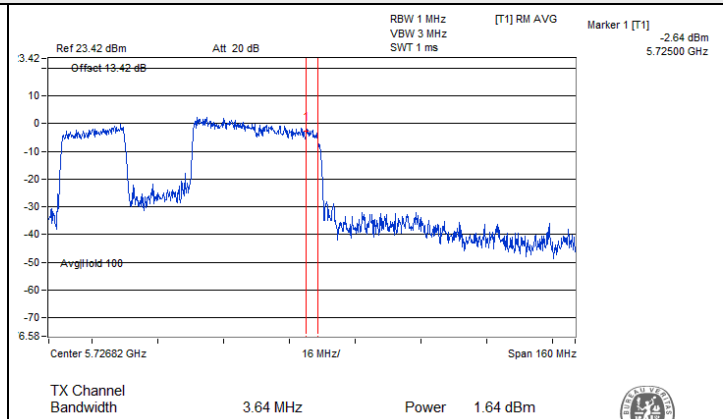


802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 138 (U-NII-2C)

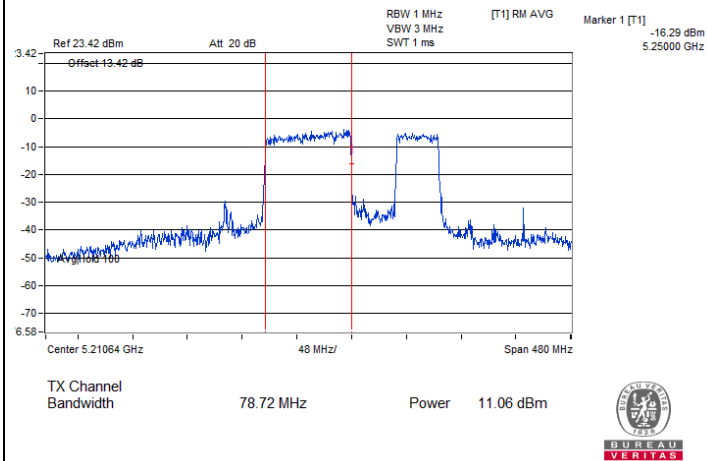
Spectrum Plot for channel straddling



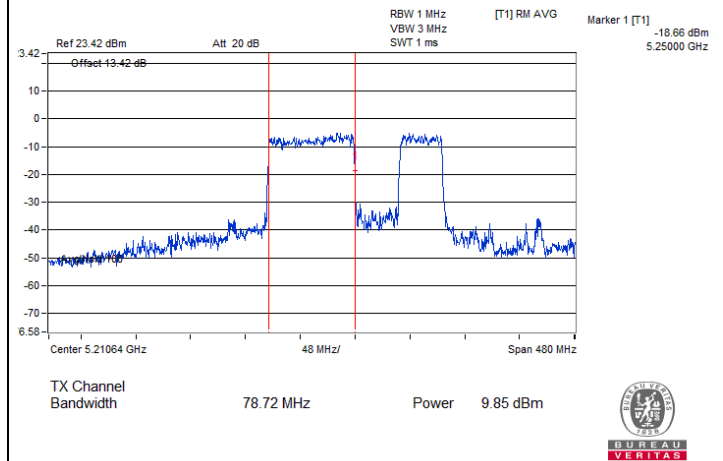
802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 138
(U-NII-3)



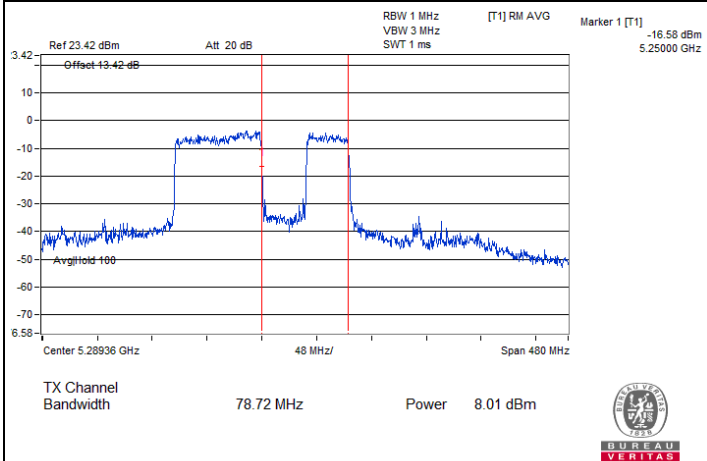
802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 138
(U-NII-3)



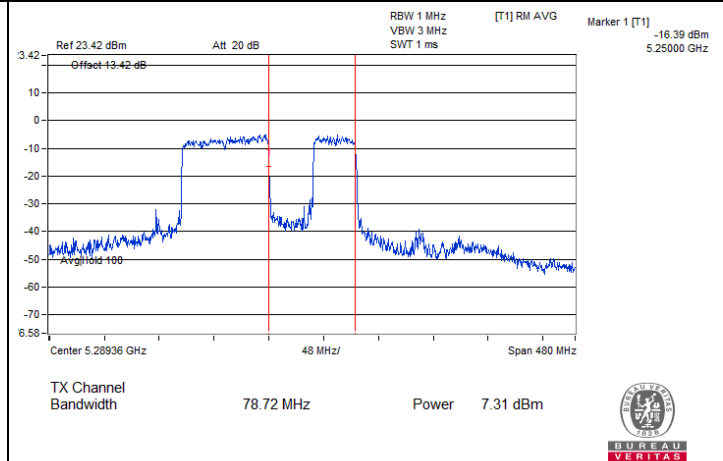
802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 50
(U-NII-1)



802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 50
(U-NII-1)

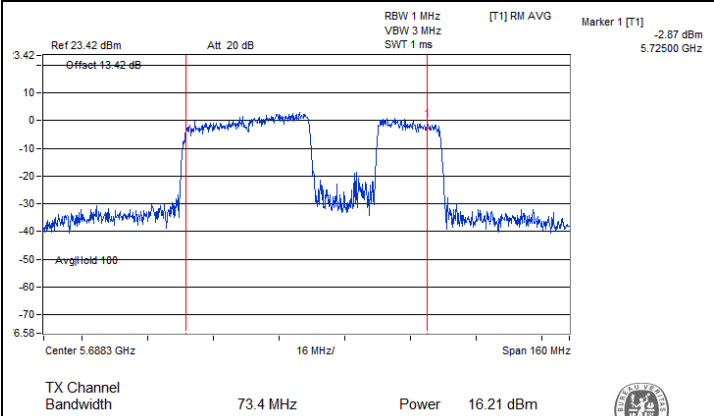


802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 50
(U-NII-2A)

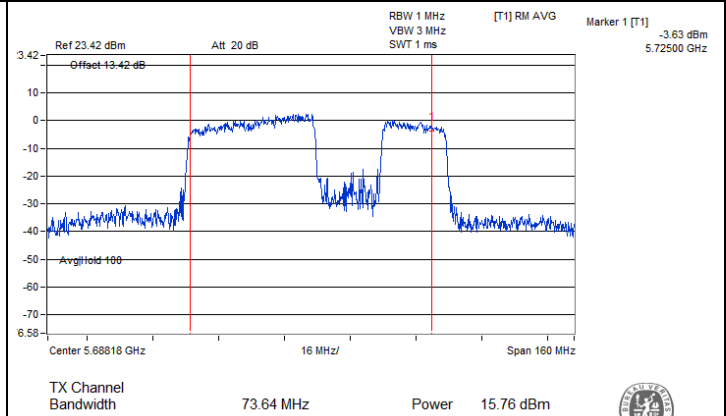


802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 50
(U-NII-2A)

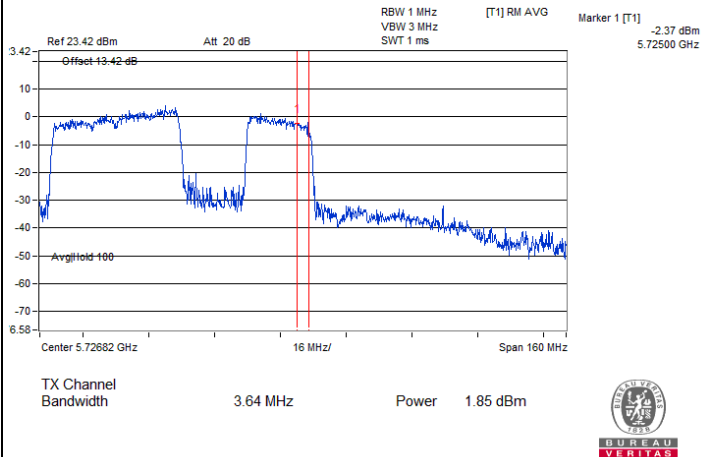
Spectrum Plot for channel straddling



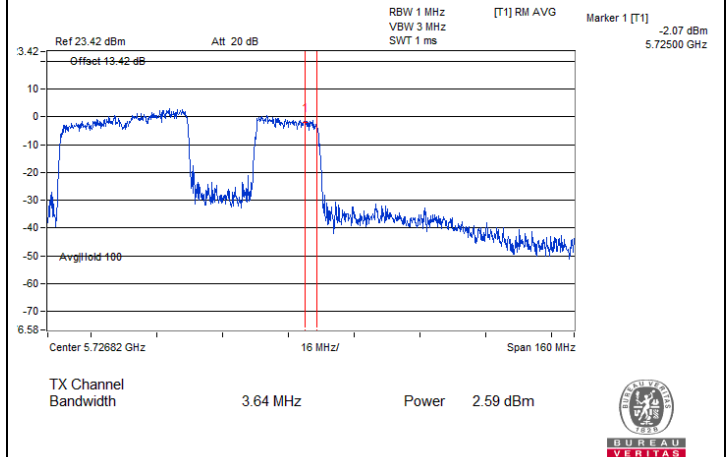
802.11be (EHT80) Punctured by 20 MHz / Chain 0 : CH 138 (U-NII-2C)



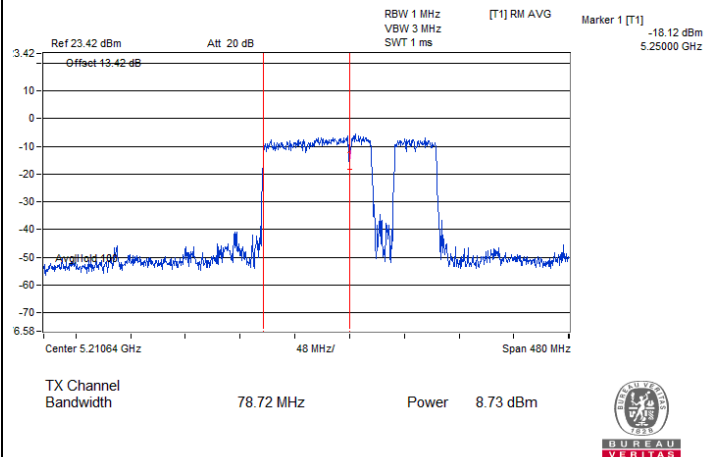
802.11be (EHT80) Punctured by 20 MHz / Chain 1 : CH 138 (U-NII-2C)



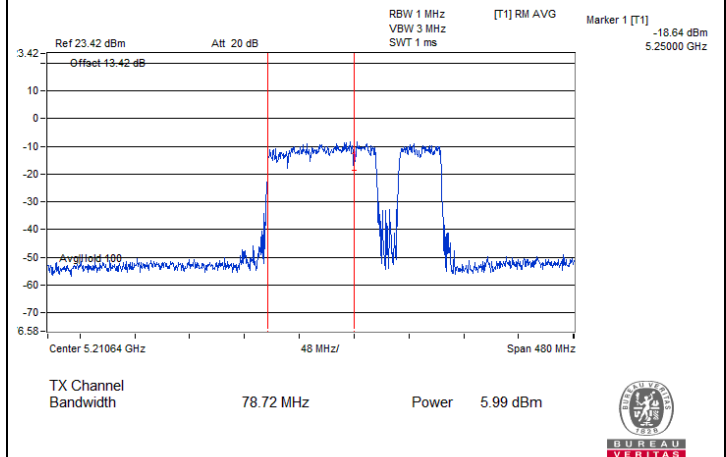
802.11be (EHT80) Punctured by 20 MHz / Chain 0 : CH 138 (U-NII-3)



802.11be (EHT80) Punctured by 20 MHz / Chain 1 : CH 138 (U-NII-3)

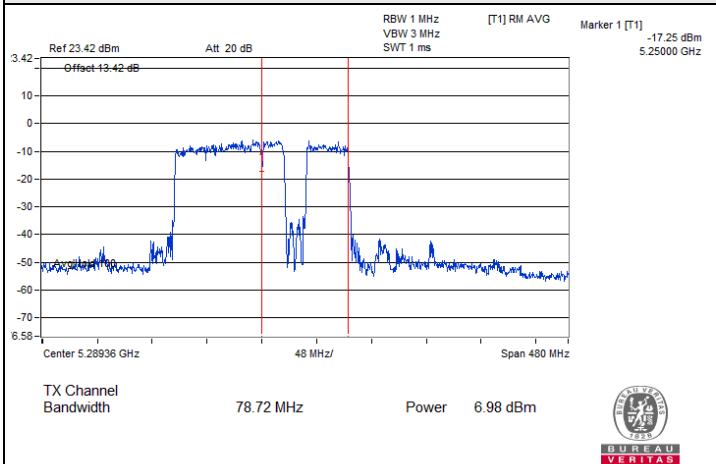


802.11be (EHT160) Punctured by 20 MHz / Chain 0 : CH 50 (U-NII-1)

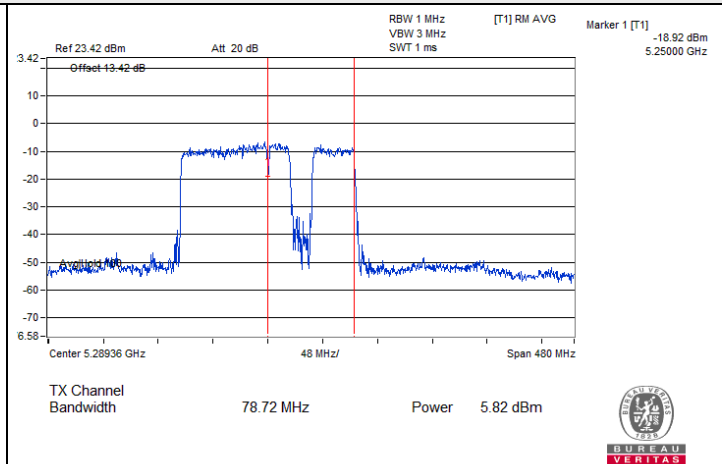


802.11be (EHT160) Punctured by 20 MHz / Chain 1 : CH 50 (U-NII-1)

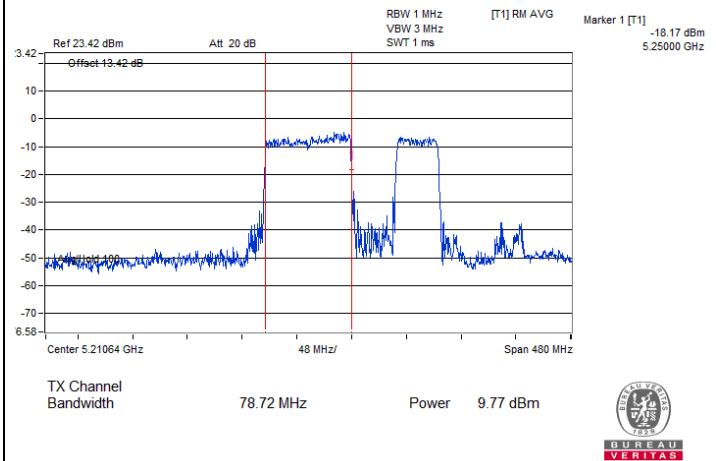
Spectrum Plot for channel straddling



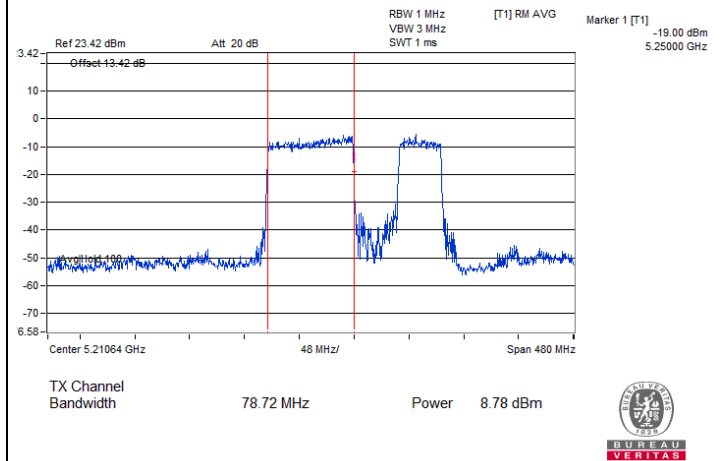
802.11be (EHT160) Punctured by 20 MHz / Chain 0 : CH 50 (U-NII-2A)



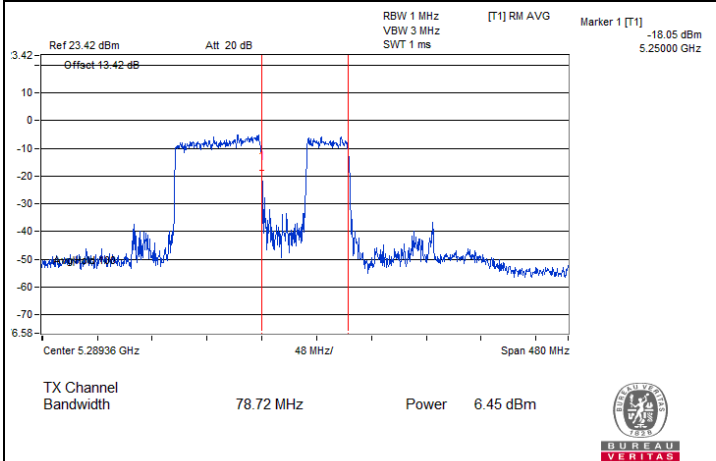
802.11be (EHT160) Punctured by 20 MHz / Chain 1 : CH 50 (U-NII-2A)



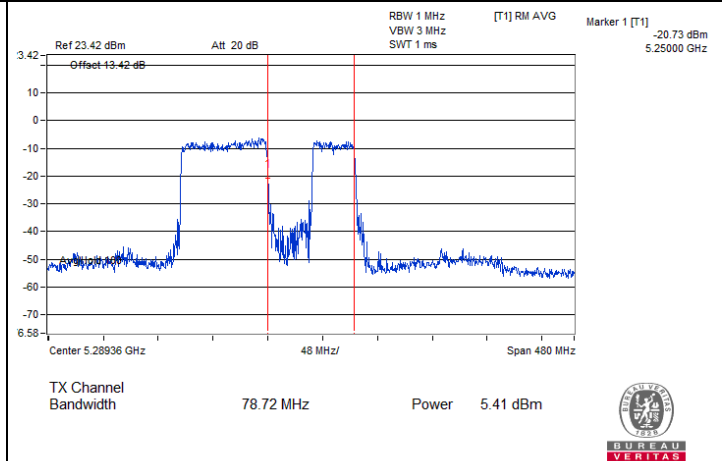
802.11be (EHT160) Punctured by 40 MHz / Chain 0 : CH 50 (U-NII-1)



802.11be (EHT160) Punctured by 40 MHz / Chain 1 : CH 50 (U-NII-1)



802.11be (EHT160) Punctured by 40 MHz / Chain 0 : CH 50 (U-NII-2A)



802.11be (EHT160) Punctured by 40 MHz / Chain 1 : CH 50 (U-NII-2A)

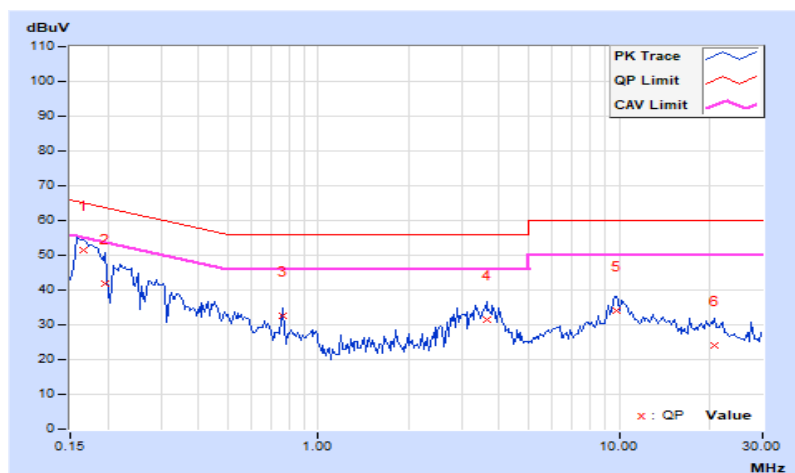
7.2 AC Power Conducted Emissions

RF Mode	802.11be (EHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	0.16562	9.97	41.67	27.34	51.64	37.31	65.18	55.18	-13.54	-17.87
2	0.19687	9.99	31.88	6.60	41.87	16.59	63.74	53.74	-21.87	-37.15
3	0.76328	10.01	22.46	22.23	32.47	32.24	56.00	46.00	-23.53	-13.76
4	3.62500	10.16	21.22	11.81	31.38	21.97	56.00	46.00	-24.62	-24.03
5	9.82422	10.45	23.75	18.03	34.20	28.48	60.00	50.00	-25.80	-21.52
6	20.74219	10.93	13.30	5.93	24.23	16.86	60.00	50.00	-35.77	-33.14

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

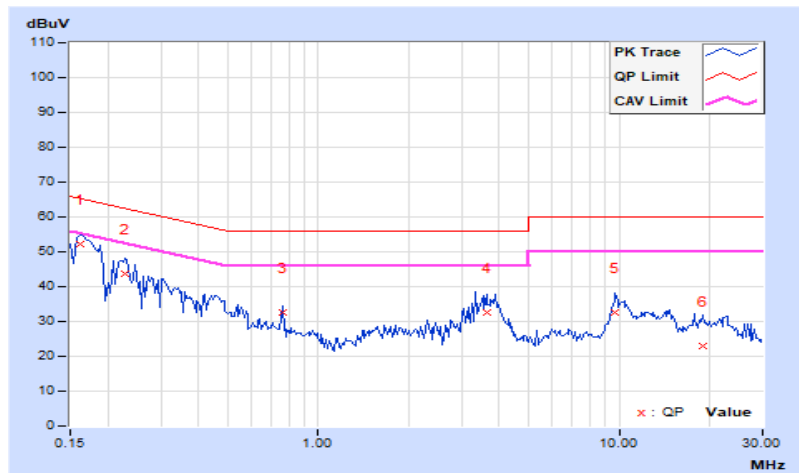


RF Mode	802.11be (EHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	0.16172	10.01	42.35	26.08	52.36	36.09	65.38	55.38	-13.02	-19.29
2	0.22812	10.02	33.55	17.75	43.57	27.77	62.52	52.52	-18.95	-24.75
3	0.76328	10.03	22.40	22.31	32.43	32.34	56.00	46.00	-23.57	-13.66
4	3.64453	10.16	22.41	12.33	32.57	22.49	56.00	46.00	-23.43	-23.51
5	9.74219	10.40	22.19	16.60	32.59	27.00	60.00	50.00	-27.41	-23.00
6	19.05859	10.75	12.10	4.98	22.85	15.73	60.00	50.00	-37.15	-34.27

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



7.3 Unwanted Emissions below 1 GHz

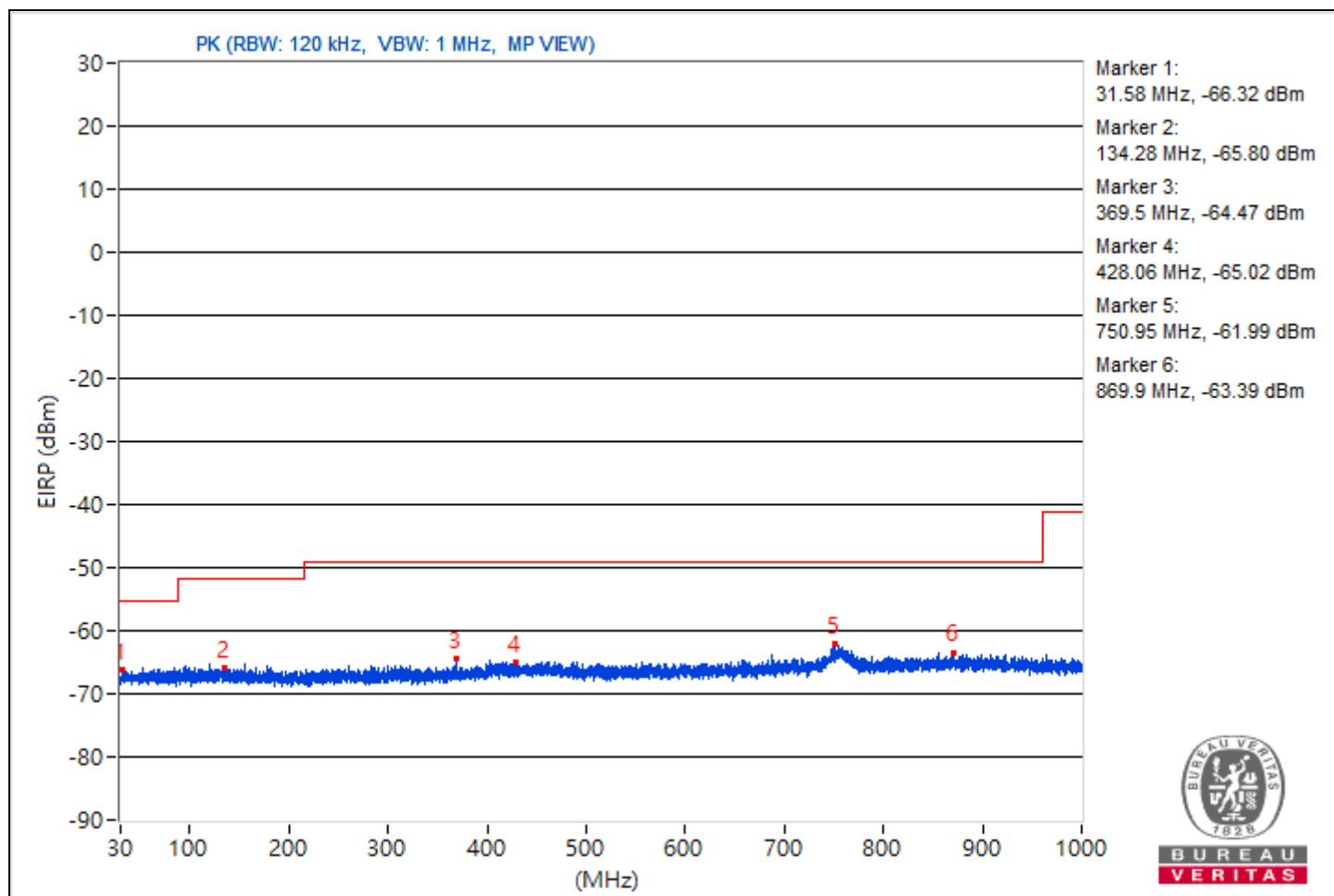
Mode A

RF Mode	802.11be (EHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	30 MHz ~ 1 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	31.58	28.94 PK	40	-11.06	-83.36	-81.29	12.87	-66.32
2	134.28	29.46 PK	43.5	-14.04	-83.46	-80.41	12.87	-65.8
3	369.5	30.79 PK	46	-15.21	-82.25	-79.04	12.87	-64.47
4	428.06	30.24 PK	46	-15.76	-83.18	-79.42	12.87	-65.02
5	750.95	33.27 PK	46	-12.73	-77.25	-78.59	12.87	-61.99
6	869.9	31.87 PK	46	-14.13	-79.8	-78.8	12.87	-63.39

Notes:

1. Margin value = Emission Level - Limit value
2. 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.



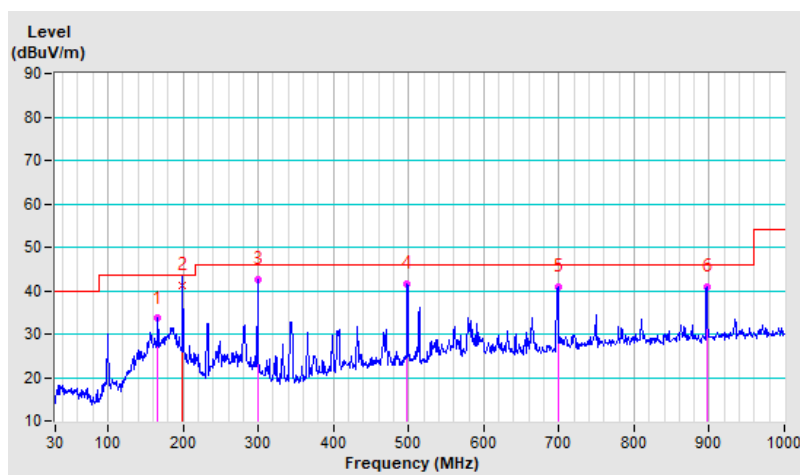
Mode B

RF Mode	802.11be (EHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 65% RH
Tested By	Tank Wu		

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	166.04	33.6 QP	43.5	-9.9	2.00 H	360	46.8	-13.2
2	199.53	41.2 QP	43.5	-2.3	1.25 H	330	57.4	-16.2
3	298.76	42.5 QP	46.0	-3.5	1.00 H	196	54.9	-12.4
4	497.90	41.5 QP	46.0	-4.5	2.00 H	126	48.9	-7.4
5	698.43	40.9 QP	46.0	-5.1	1.25 H	138	44.3	-3.4
6	898.00	40.9 QP	46.0	-5.1	1.25 H	274	41.2	-0.3

Remarks:

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

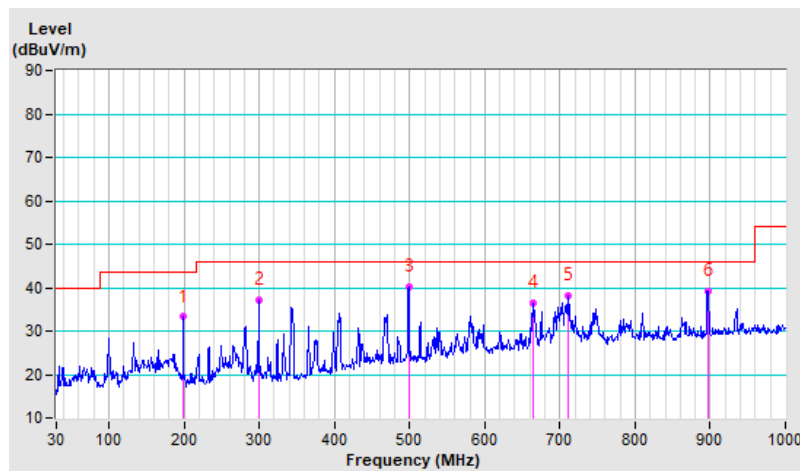


RF Mode	802.11be (EHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 65% RH
Tested By	Tank Wu		

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	199.56	33.3 QP	43.5	-10.2	2.00 V	246	49.5	-16.2
2	299.32	37.1 QP	46.0	-8.9	1.25 V	236	49.4	-12.3
3	498.90	40.1 QP	46.0	-5.9	2.00 V	288	47.5	-7.4
4	665.16	36.6 QP	46.0	-9.4	1.00 V	350	40.6	-4.0
5	710.72	38.2 QP	46.0	-7.8	1.25 V	328	41.3	-3.1
6	898.00	39.3 QP	46.0	-6.7	1.25 V	258	39.6	-0.3

Remarks:

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



7.4 Unwanted Emissions above 1 GHz

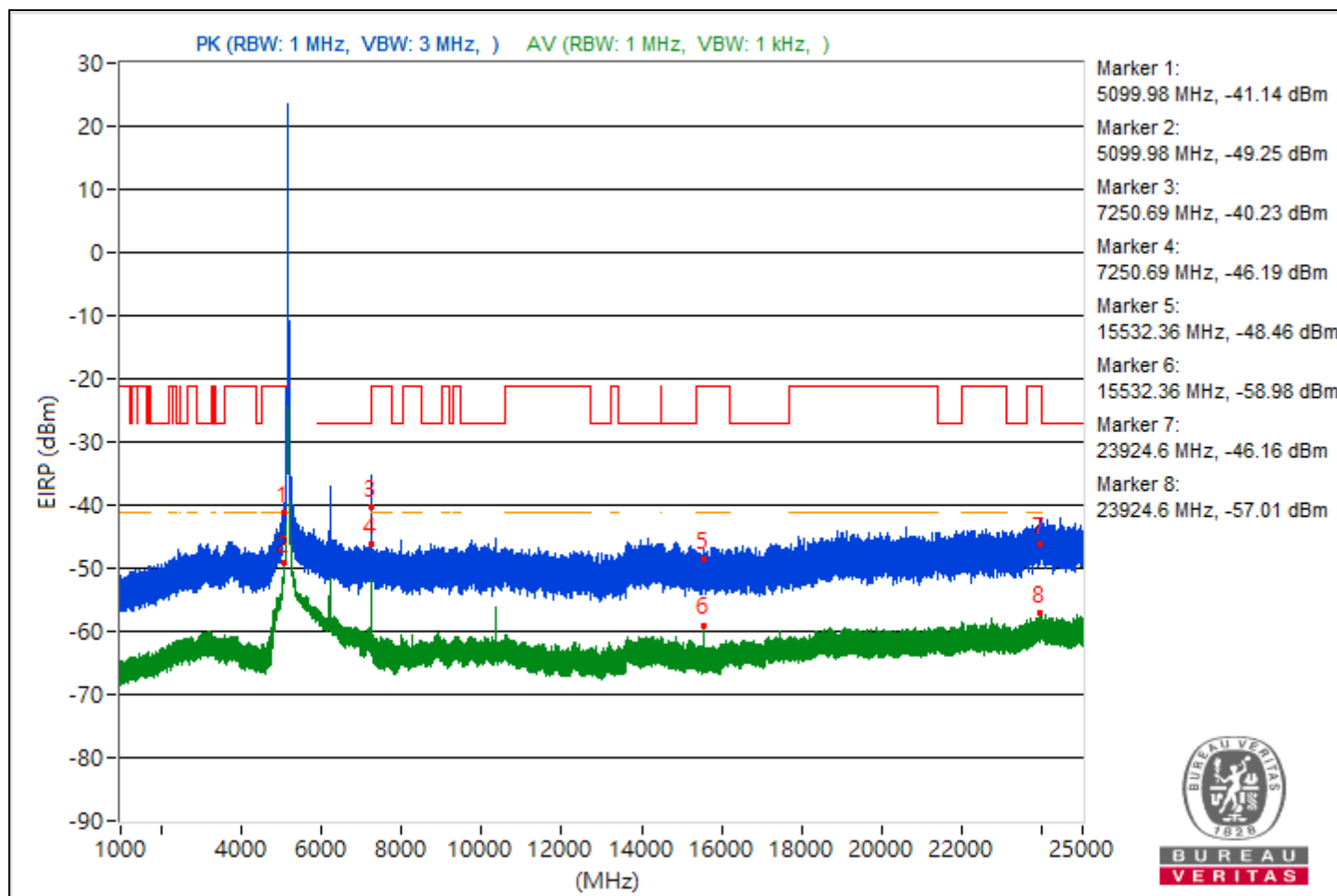
Mode A

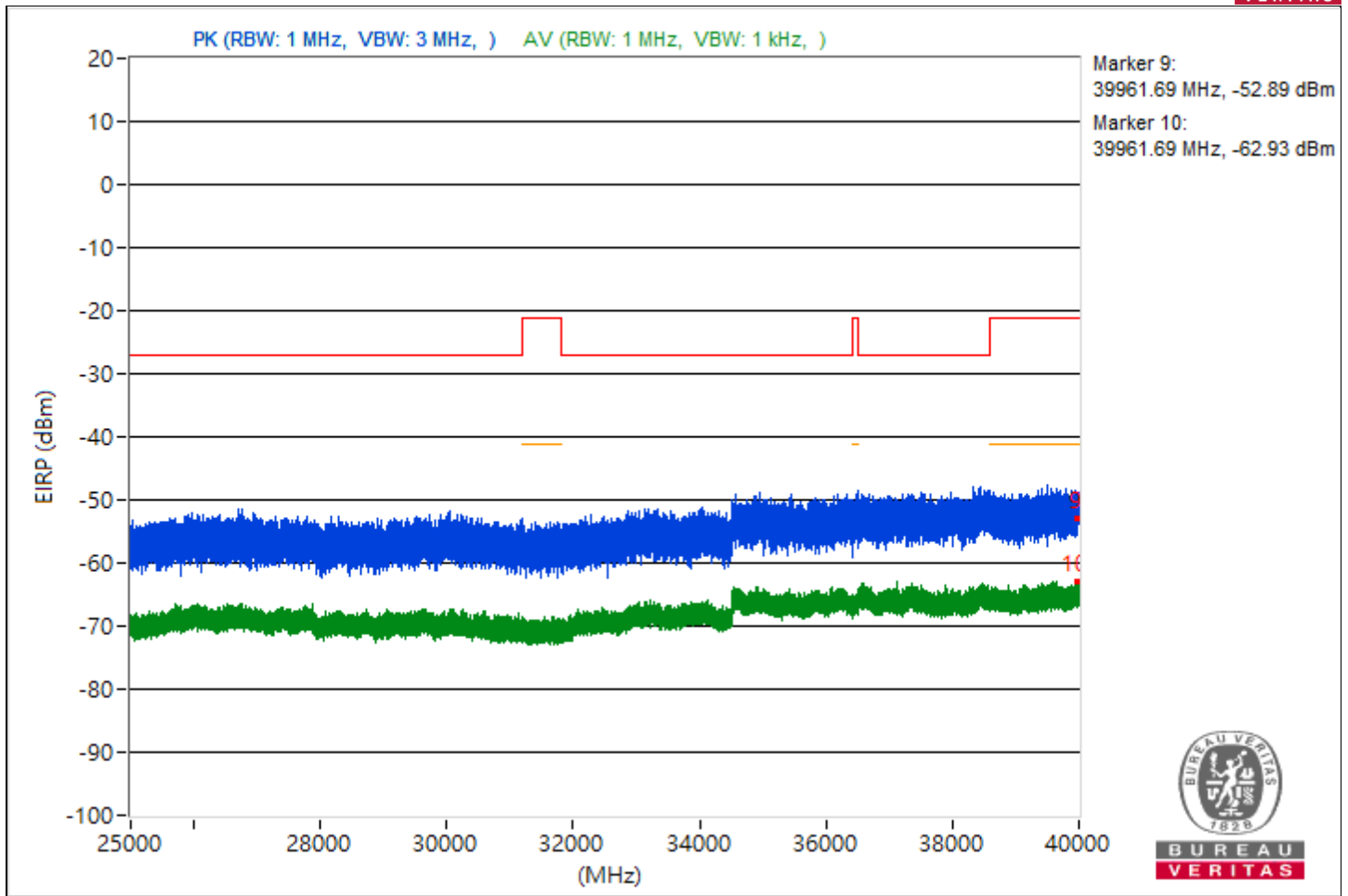
Conducted Unwanted Emissions

RF Mode	802.11be (EHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Kevin Ko		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5099.98	54.12 PK	74	-19.88	-51.58	-53.21	8.17	-41.14
2	5099.98	46.01 AV	54	-7.99	-60.26	-60.62	8.17	-49.25
3	7250.69	55.03 PK	74	-18.97	-49.36	-55.46	8.17	-40.23
4	7250.69	49.07 AV	54	-4.93	-55.26	-61.64	8.17	-46.19
5	15532.36	46.8 PK	74	-27.2	-65.22	-57.28	8.17	-48.46
6	15532.36	36.28 AV	54	-17.72	-74.83	-67.96	8.17	-58.98
7	23924.6	49.1 PK	74	-24.9	-56.39	-58.56	8.17	-46.16
8	23924.6	38.25 AV	54	-15.75	-68.56	-67.85	8.17	-57.01
9	39961.69	42.37 PK	74	-31.63	-63.55	-64.65	8.17	-52.89
10	39961.69	32.33 AV	54	-21.67	-73.16	-75.32	8.17	-62.93

Note: Margin value = Emission Level - Limit value

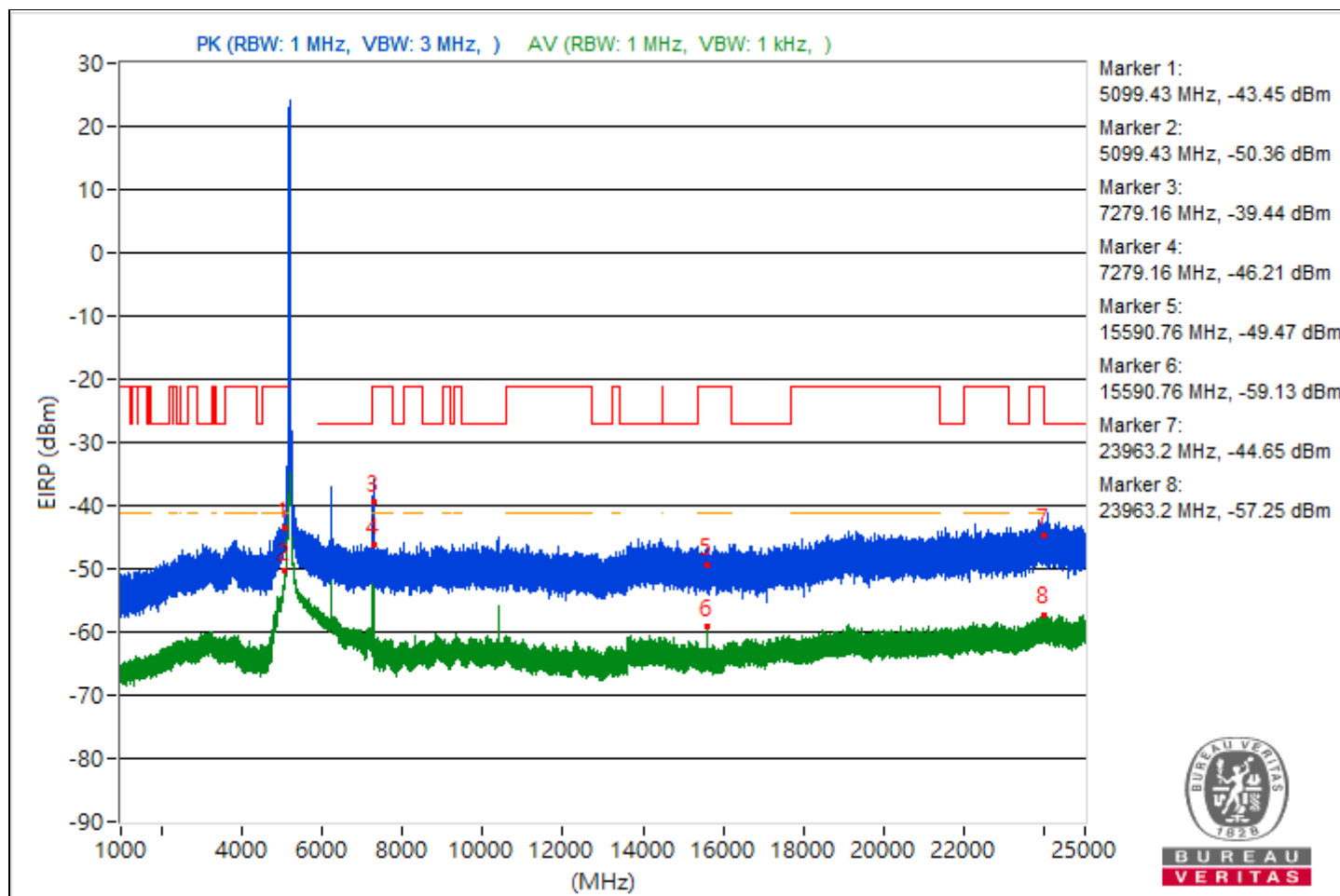


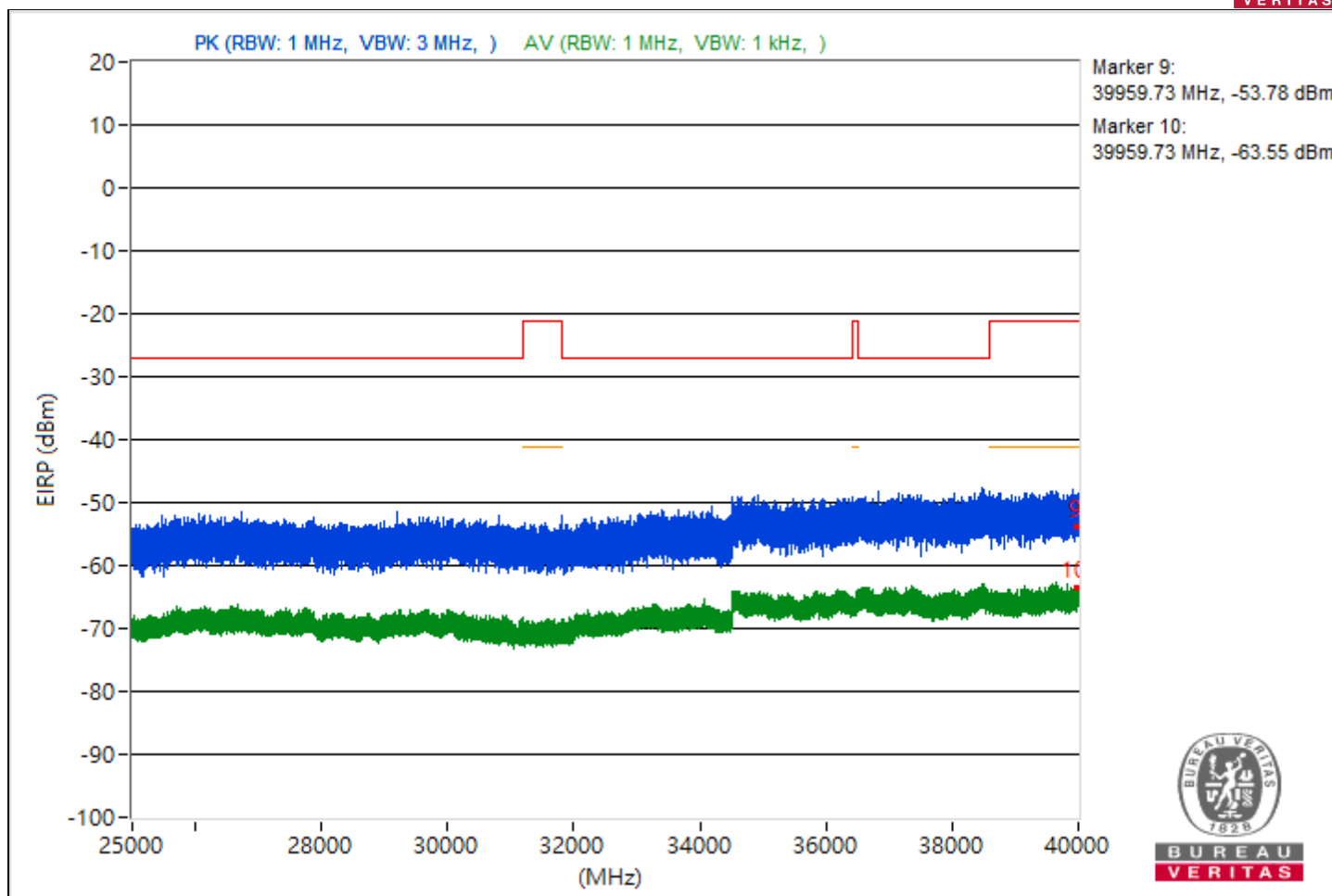


RF Mode	802.11be (EHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5099.43	51.81 PK	74	-22.19	-54.08	-55.25	8.17	-43.45
2	5099.43	44.9 AV	54	-9.1	-61.65	-61.43	8.17	-50.36
3	7279.16	55.82 PK	74	-18.18	-48.79	-53.86	8.17	-39.44
4	7279.16	49.05 AV	54	-4.95	-55.17	-62.16	8.17	-46.21
5	15590.76	45.79 PK	74	-28.21	-62.15	-59.53	8.17	-49.47
6	15590.76	36.13 AV	54	-17.87	-75.6	-68	8.17	-59.13
7	23963.2	50.61 PK	74	-23.39	-54.17	-58.54	8.17	-44.65
8	23963.2	38.01 AV	54	-15.99	-69.46	-67.6	8.17	-57.25
9	39959.73	41.48 PK	74	-32.52	-65.85	-64.22	8.17	-53.78
10	39959.73	31.71 AV	54	-22.29	-73.14	-77.27	8.17	-63.55

Note: Margin value = Emission Level - Limit value

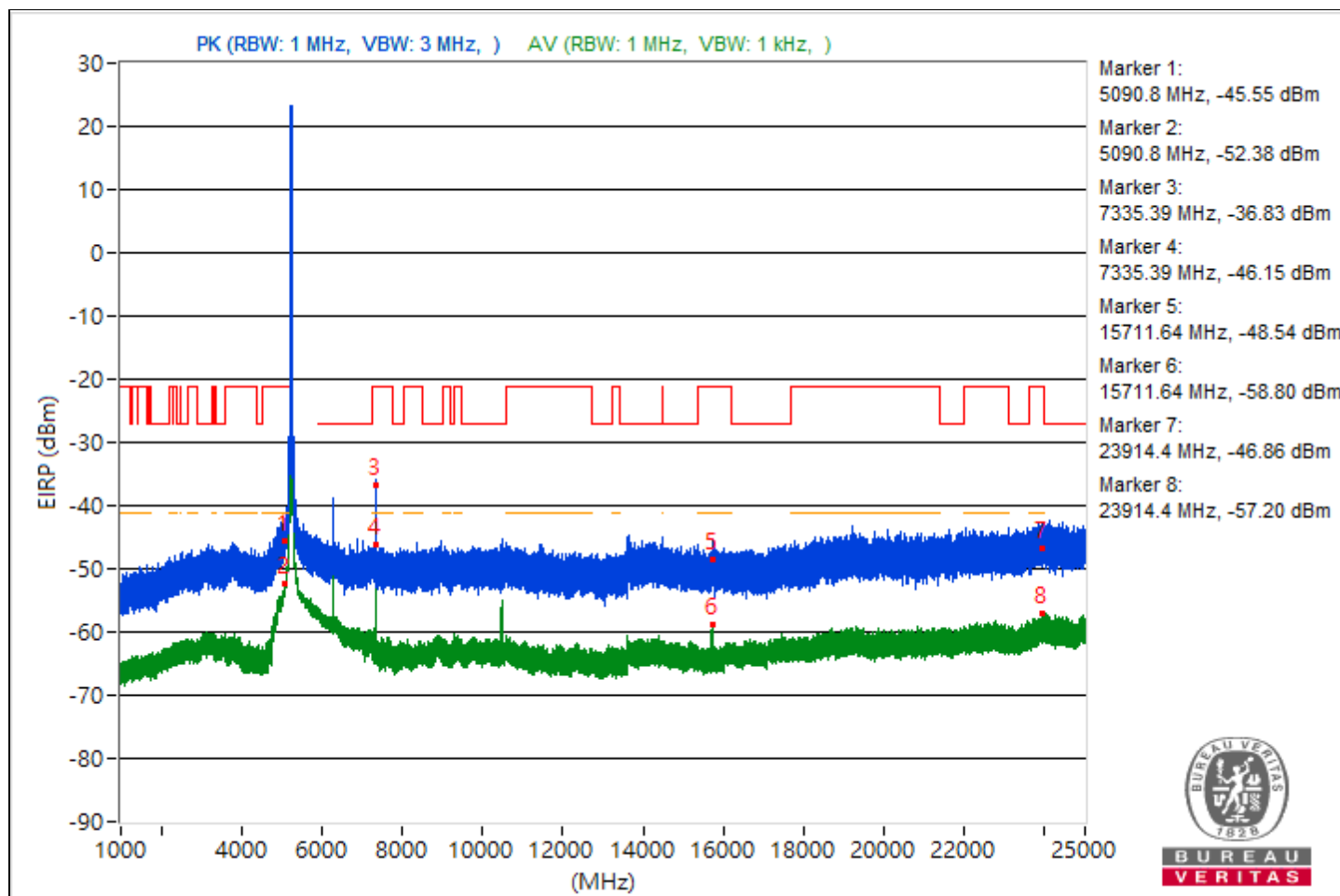


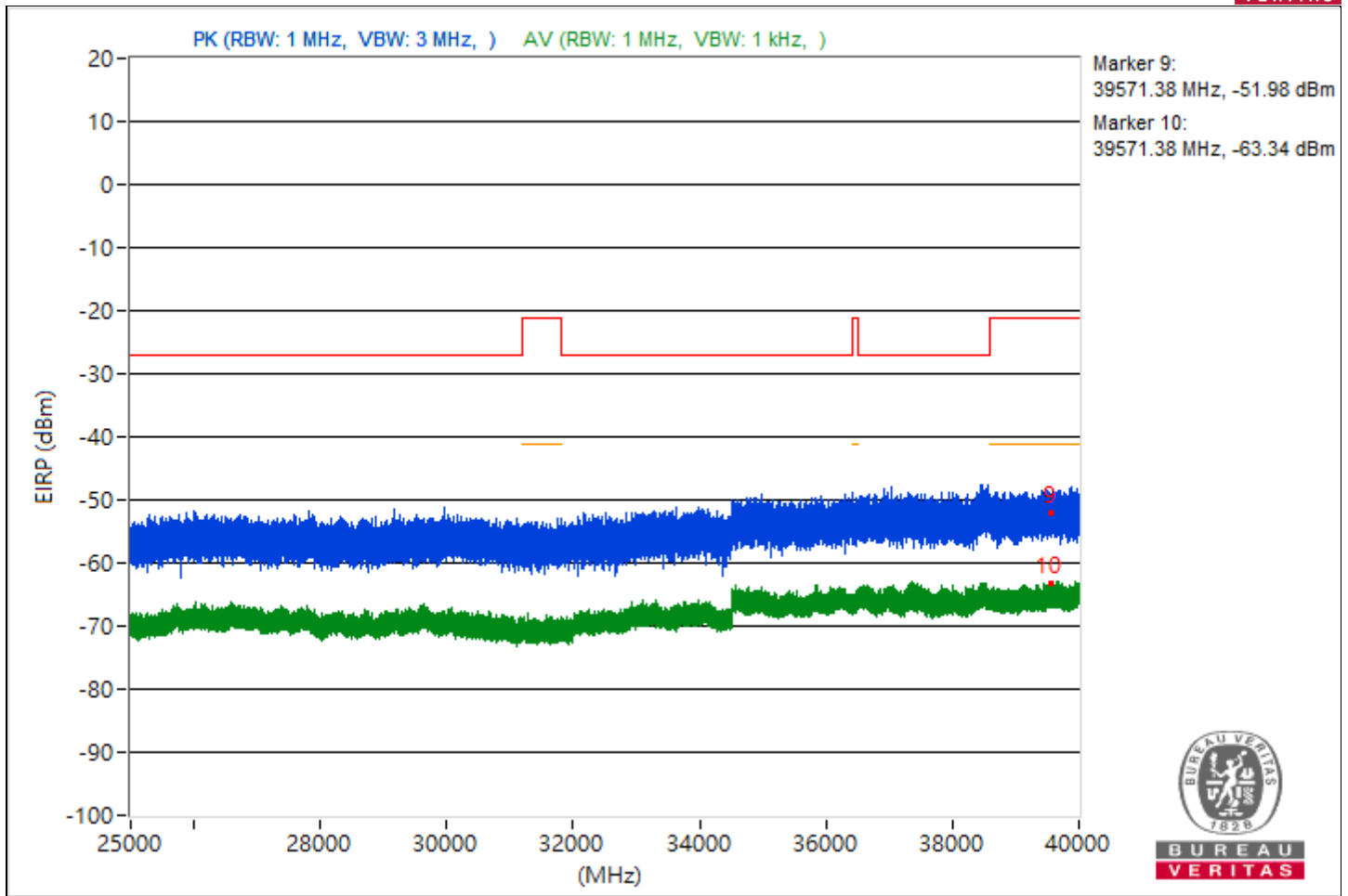


RF Mode	802.11be (EHT20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5090.8	49.71 PK	74	-24.29	-56.61	-56.86	8.17	-45.55
2	5090.8	42.88 AV	54	-11.12	-63.41	-63.7	8.17	-52.38
3	7335.39	58.43 PK	74	-15.57	-45.93	-52.16	8.17	-36.83
4	7335.39	49.11 AV	54	-4.89	-55.26	-61.43	8.17	-46.15
5	15711.64	46.72 PK	74	-27.28	-61.08	-58.69	8.17	-48.54
6	15711.64	36.46 AV	54	-17.54	-74.56	-67.8	8.17	-58.8
7	23914.4	48.4 PK	74	-25.6	-58.08	-58	8.17	-46.86
8	23914.4	38.06 AV	54	-15.94	-69.64	-67.41	8.17	-57.2
9	39571.38	43.28 PK	74	-30.72	-61.7	-65.37	8.17	-51.98
10	39571.38	31.92 AV	54	-22.08	-73.09	-76.65	8.17	-63.34

Note: Margin value = Emission Level - Limit value

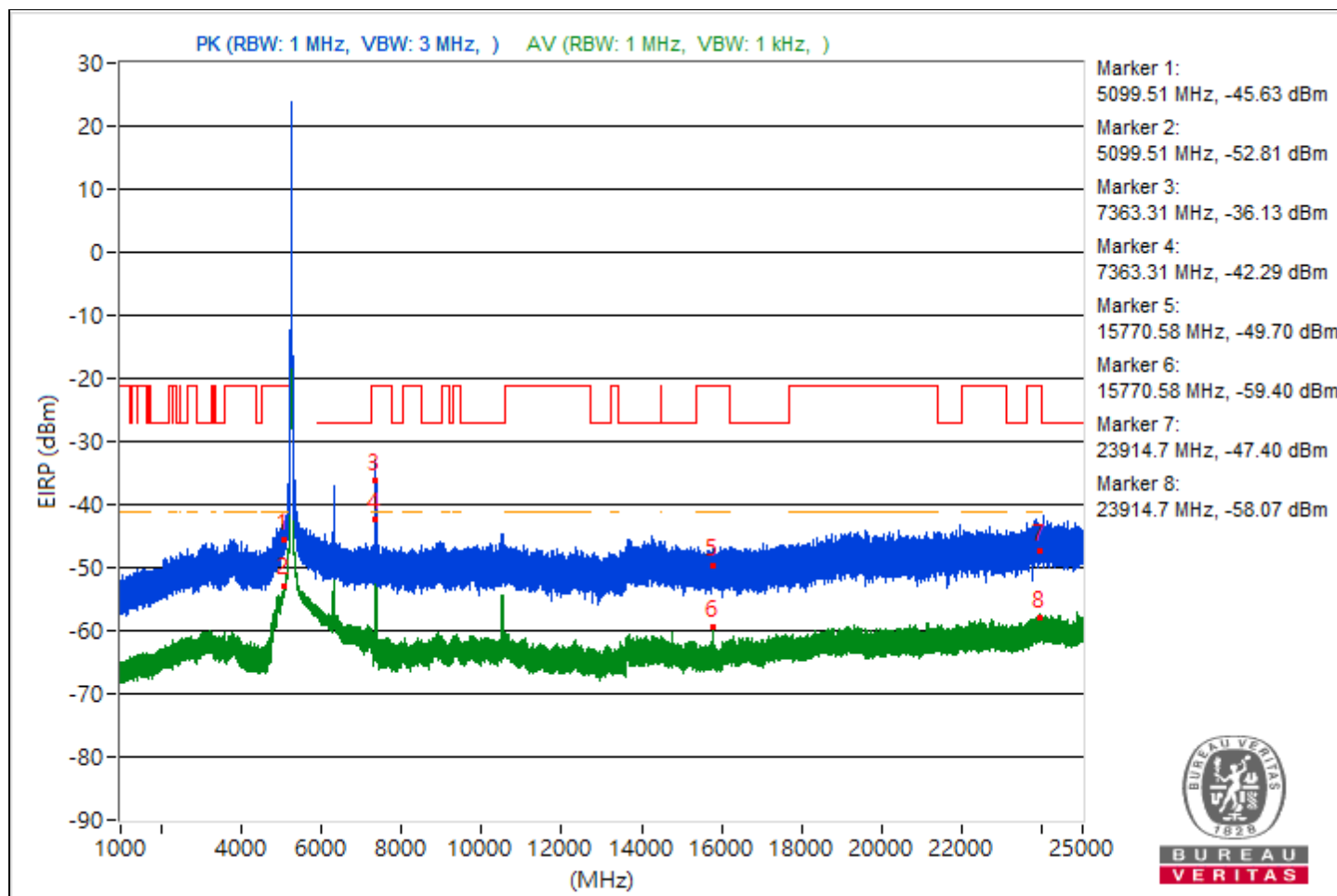


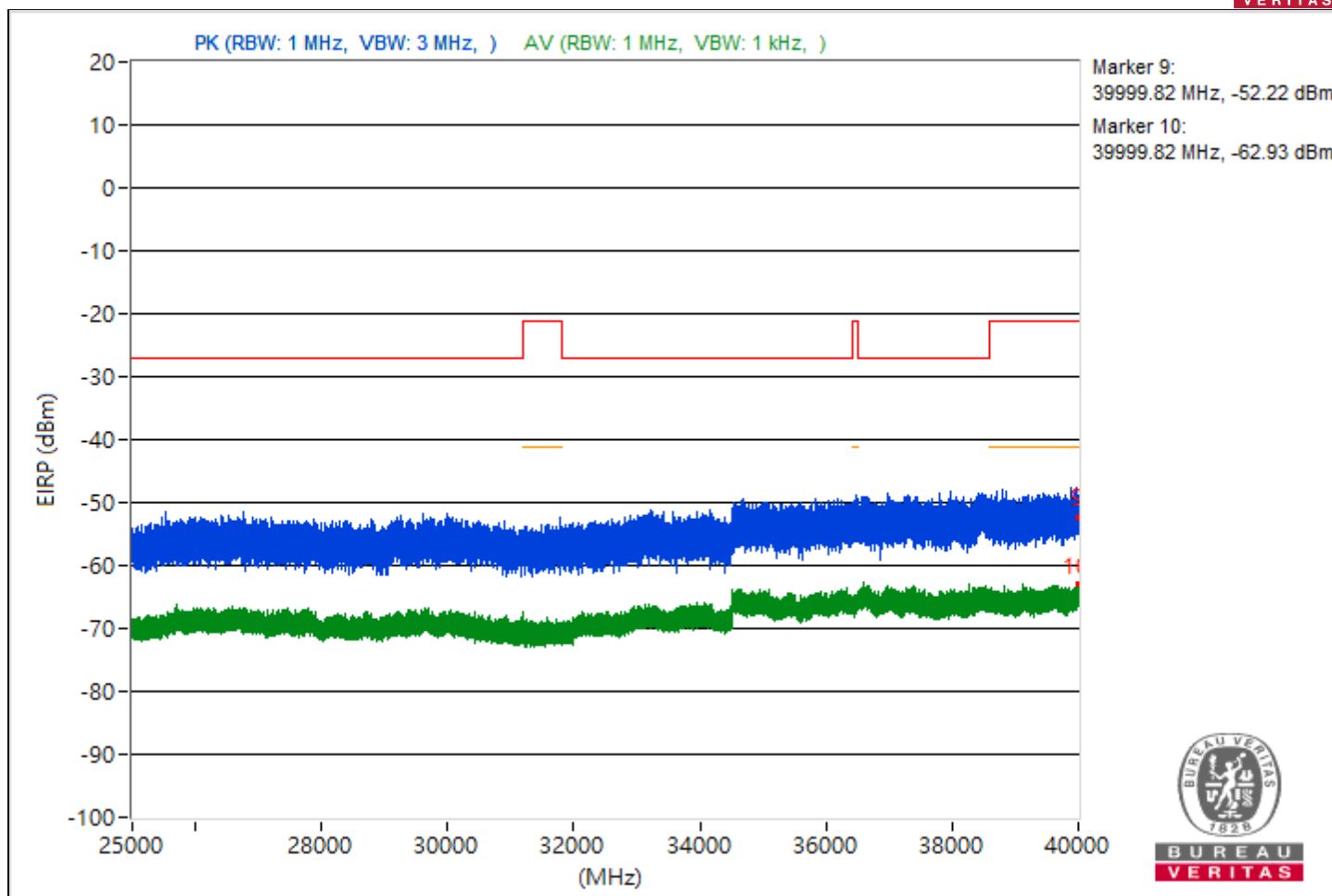


RF Mode	802.11be (EHT20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5099.51	49.63 PK	74	-24.37	-56.65	-56.98	8.17	-45.63
2	5099.51	42.45 AV	54	-11.55	-63.96	-64.01	8.17	-52.81
3	7363.31	59.13 PK	74	-14.87	-45.39	-50.83	8.17	-36.13
4	7363.31	52.97 AV	54	-1.03	-51.15	-58.84	8.17	-42.29
5	15770.58	45.56 PK	74	-28.44	-61.13	-60.65	8.17	-49.7
6	15770.58	35.86 AV	54	-18.14	-75.62	-68.31	8.17	-59.4
7	23914.7	47.86 PK	74	-26.14	-58.41	-58.76	8.17	-47.4
8	23914.7	37.19 AV	54	-16.81	-68	-71.01	8.17	-58.07
9	39999.82	43.04 PK	74	-30.96	-66.05	-61.77	8.17	-52.22
10	39999.82	32.33 AV	54	-21.67	-76.12	-72.74	8.17	-62.93

Note: Margin value = Emission Level - Limit value

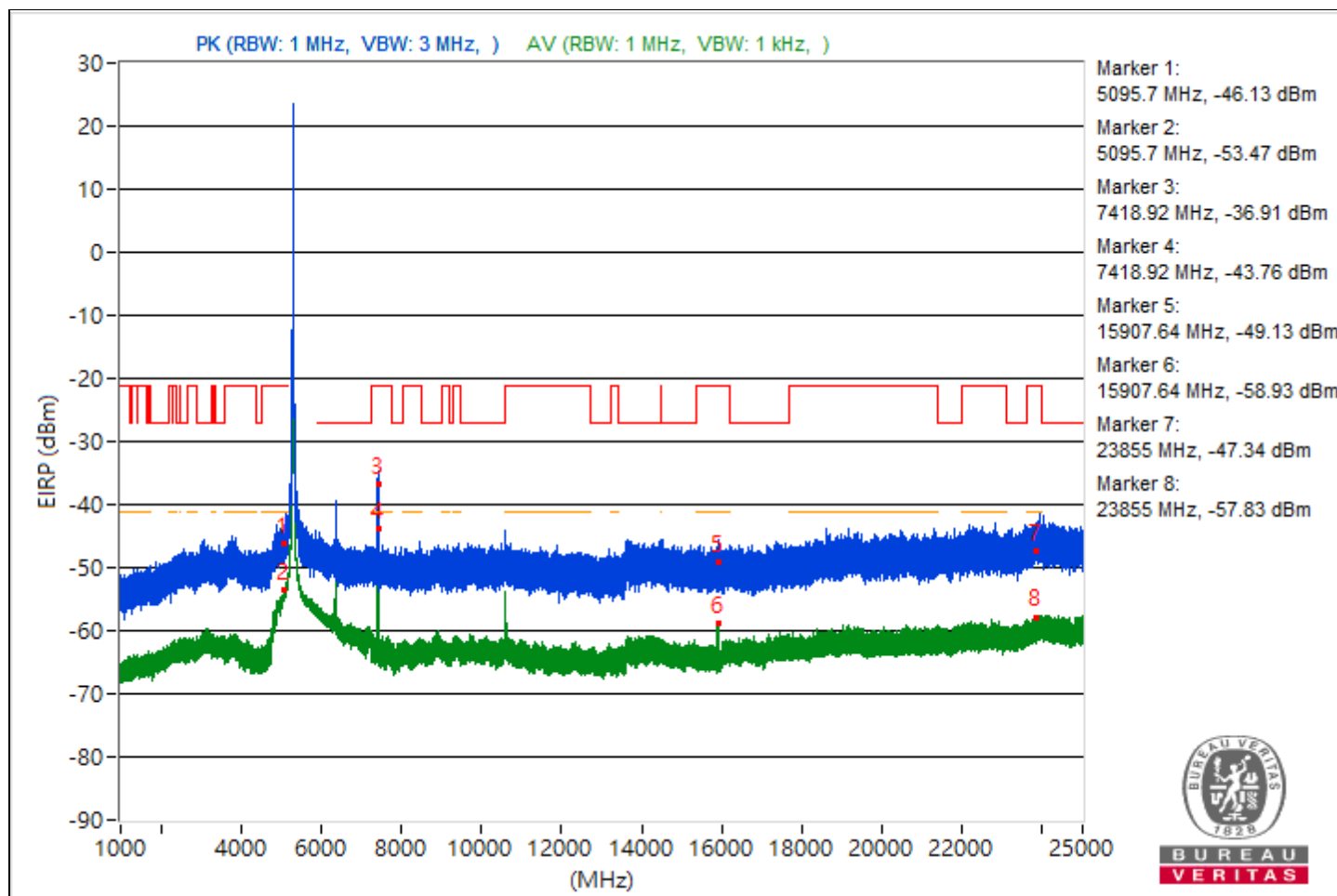


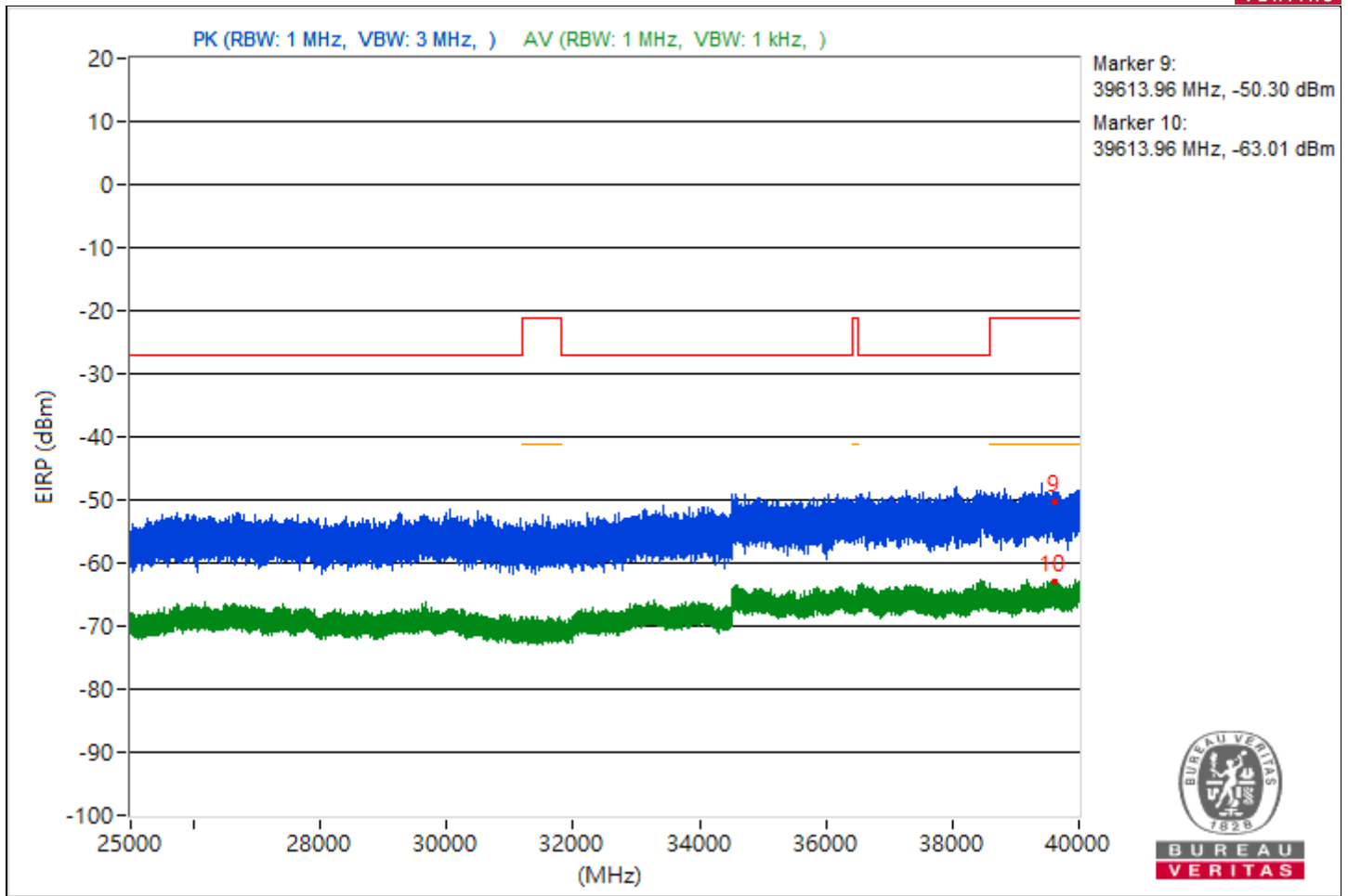


RF Mode	802.11be (EHT20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5095.7	49.13 PK	74	-24.87	-57.6	-57.04	8.17	-46.13
2	5095.7	41.79 AV	54	-12.21	-64.99	-64.34	8.17	-53.47
3	7418.92	58.35 PK	74	-15.65	-45.86	-52.88	8.17	-36.91
4	7418.92	51.5 AV	54	-2.5	-52.67	-60.01	8.17	-43.76
5	15907.64	46.13 PK	74	-27.87	-61.32	-59.48	8.17	-49.13
6	15907.64	36.33 AV	54	-17.67	-75.58	-67.77	8.17	-58.93
7	23855	47.92 PK	74	-26.08	-57.86	-59.29	8.17	-47.34
8	23855	37.43 AV	54	-16.57	-67.58	-71.14	8.17	-57.83
9	39613.96	44.96 PK	74	-29.04	-61.39	-61.57	8.17	-50.3
10	39613.96	32.25 AV	54	-21.75	-76.62	-72.64	8.17	-63.01

Note: Margin value = Emission Level - Limit value

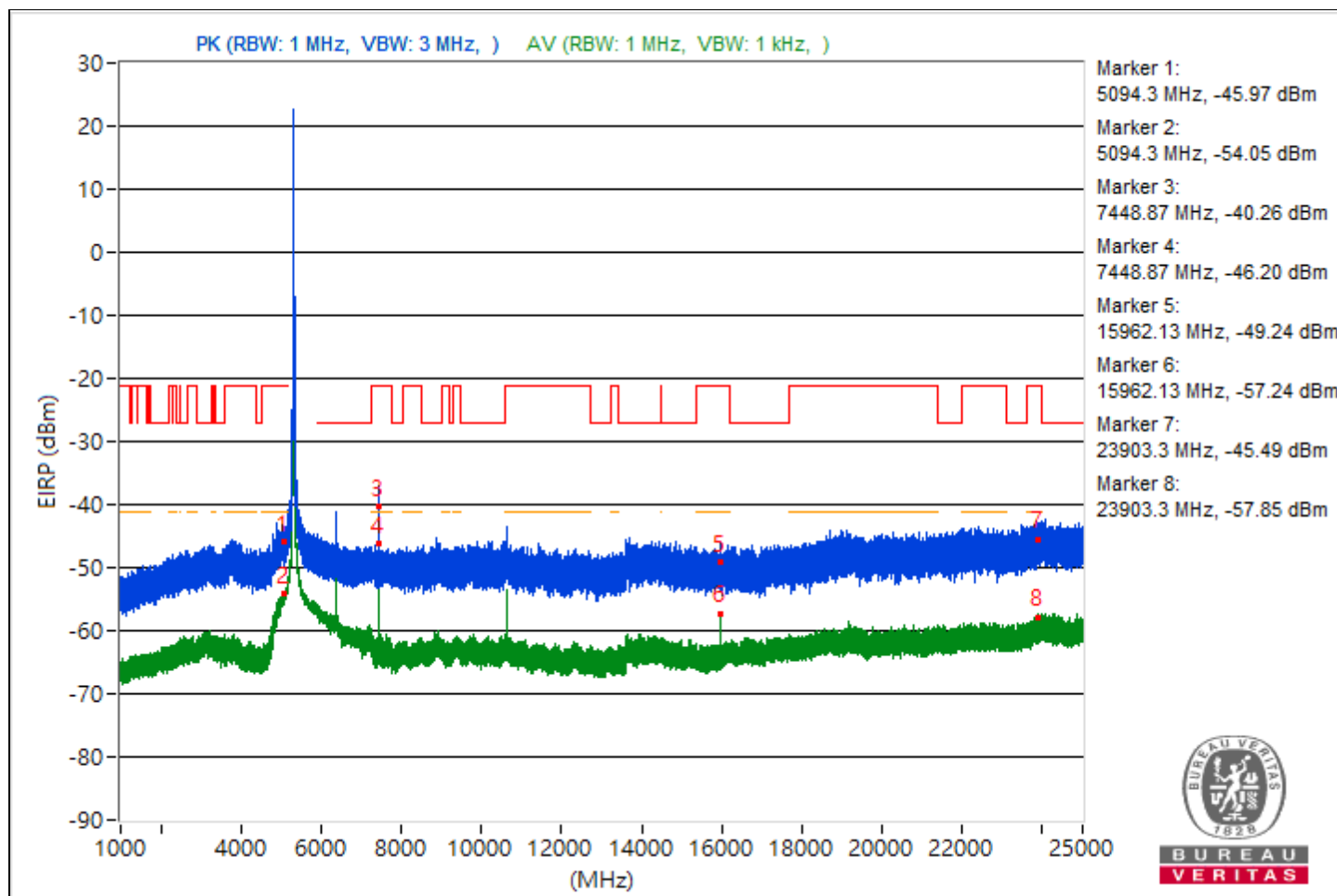


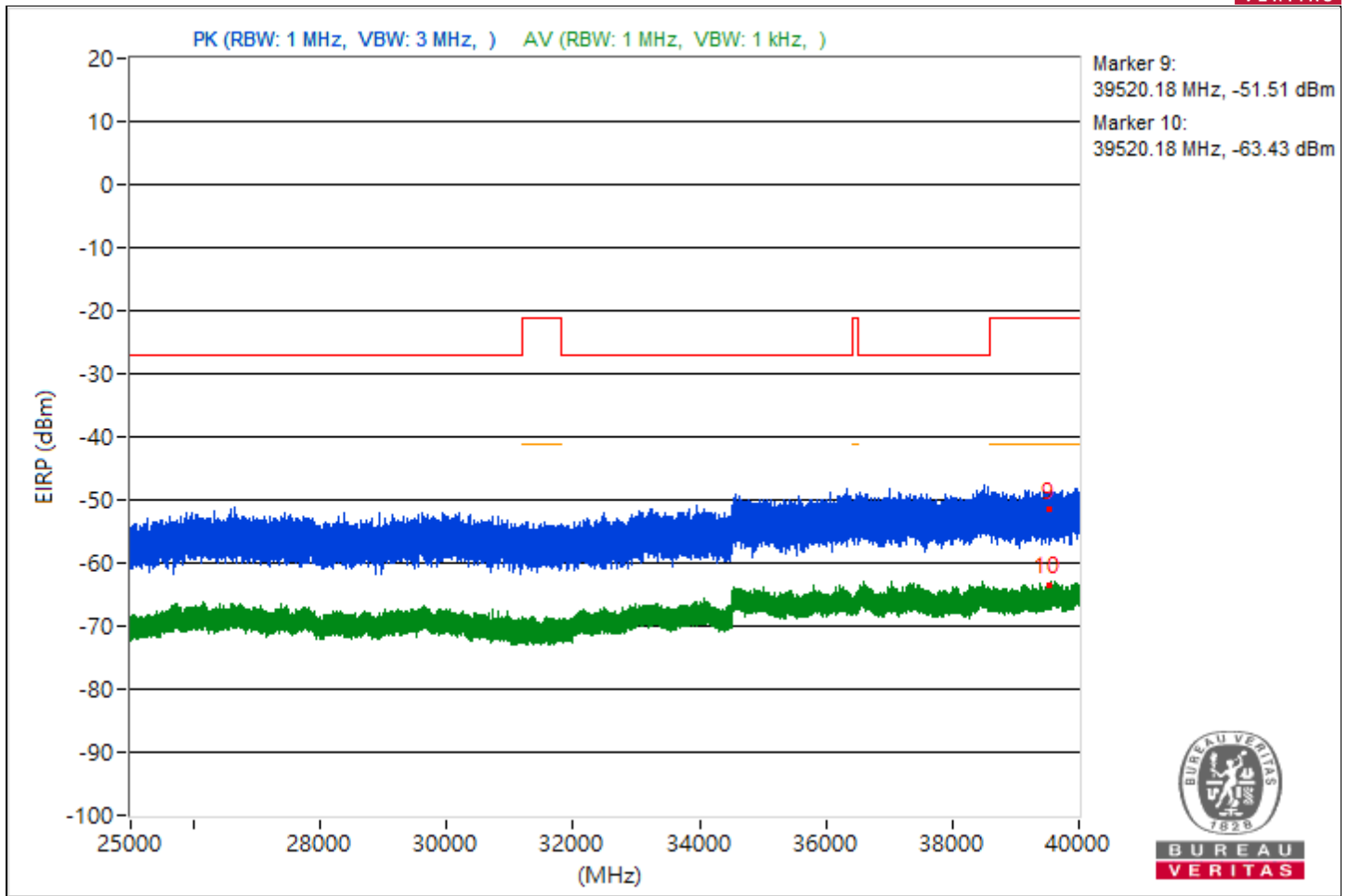


RF Mode	802.11be (EHT20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5094.3	49.29 PK	74	-24.71	-58.1	-56.37	8.17	-45.97
2	5094.3	41.21 AV	54	-12.79	-65.37	-65.1	8.17	-54.05
3	7448.87	55 PK	74	-19	-49	-57.48	8.17	-40.26
4	7448.87	49.06 AV	54	-4.94	-55.57	-60.55	8.17	-46.2
5	15962.13	46.02 PK	74	-27.98	-62.23	-59.14	8.17	-49.24
6	15962.13	38.02 AV	54	-15.98	-69.77	-67.39	8.17	-57.24
7	23903.3	49.77 PK	74	-24.23	-56.45	-56.9	8.17	-45.49
8	23903.3	37.41 AV	54	-16.59	-71.9	-67.31	8.17	-57.85
9	39520.18	43.75 PK	74	-30.25	-66.99	-60.57	8.17	-51.51
10	39520.18	31.83 AV	54	-22.17	-77.11	-73.03	8.17	-63.43

Note: Margin value = Emission Level - Limit value

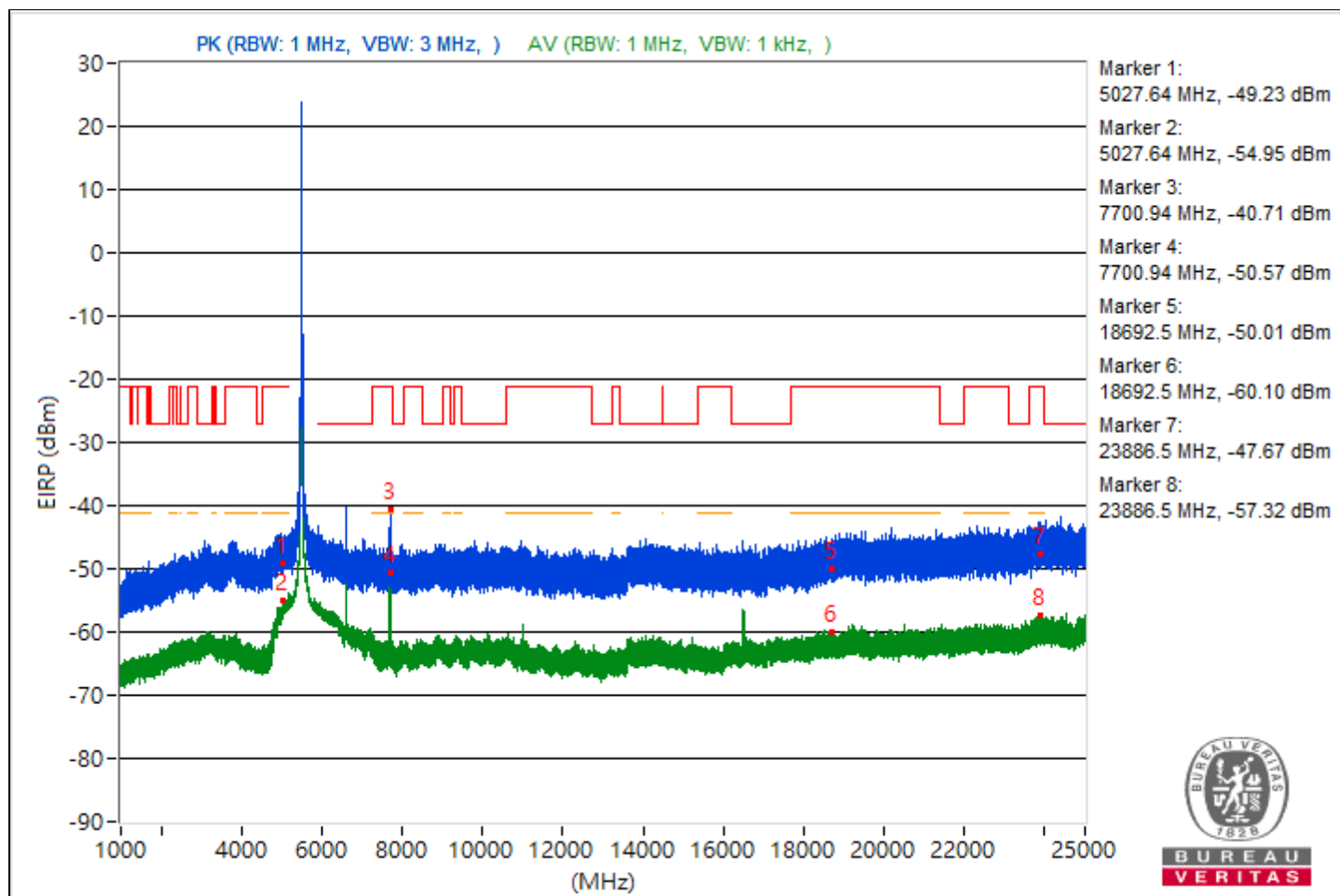


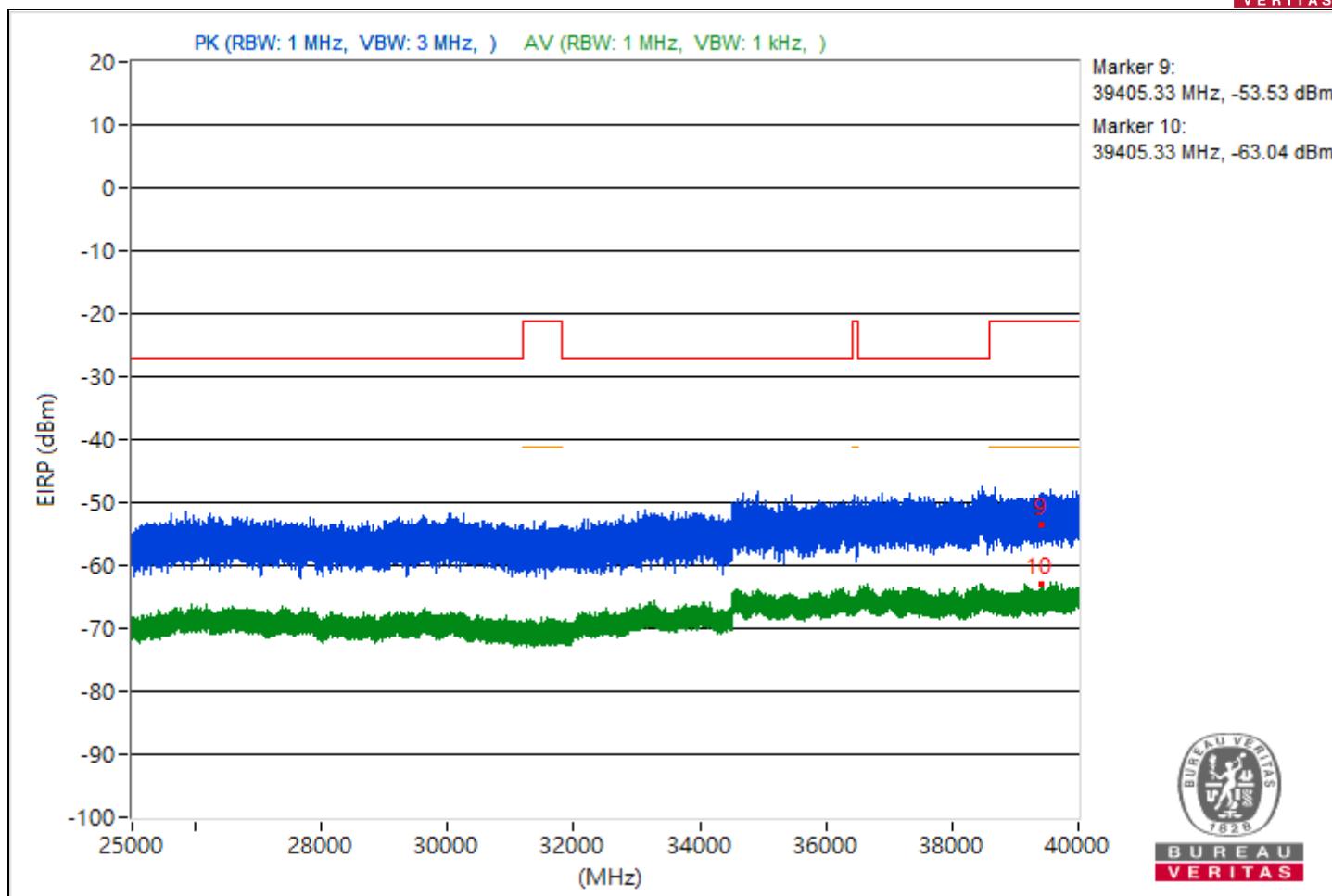


RF Mode	802.11be (EHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5027.64	46.03 PK	74	-27.97	-60.46	-60.36	8.17	-49.23
2	5027.64	40.31 AV	54	-13.69	-66.48	-65.81	8.17	-54.95
3	7700.94	54.55 PK	74	-19.45	-50.92	-53.14	8.17	-40.71
4	7700.94	44.69 AV	54	-9.31	-60.77	-63.02	8.17	-50.57
5	18692.5	45.25 PK	74	-28.75	-60.75	-61.67	8.17	-50.01
6	18692.5	35.16 AV	54	-18.84	-69.92	-73.27	8.17	-60.1
7	23886.5	47.59 PK	74	-26.41	-58.56	-59.16	8.17	-47.67
8	23886.5	37.94 AV	54	-16.06	-69.61	-67.62	8.17	-57.32
9	39405.33	41.73 PK	74	-32.27	-64.82	-64.6	8.17	-53.53
10	39405.33	32.22 AV	54	-21.78	-77.63	-72.33	8.17	-63.04

Note: Margin value = Emission Level - Limit value

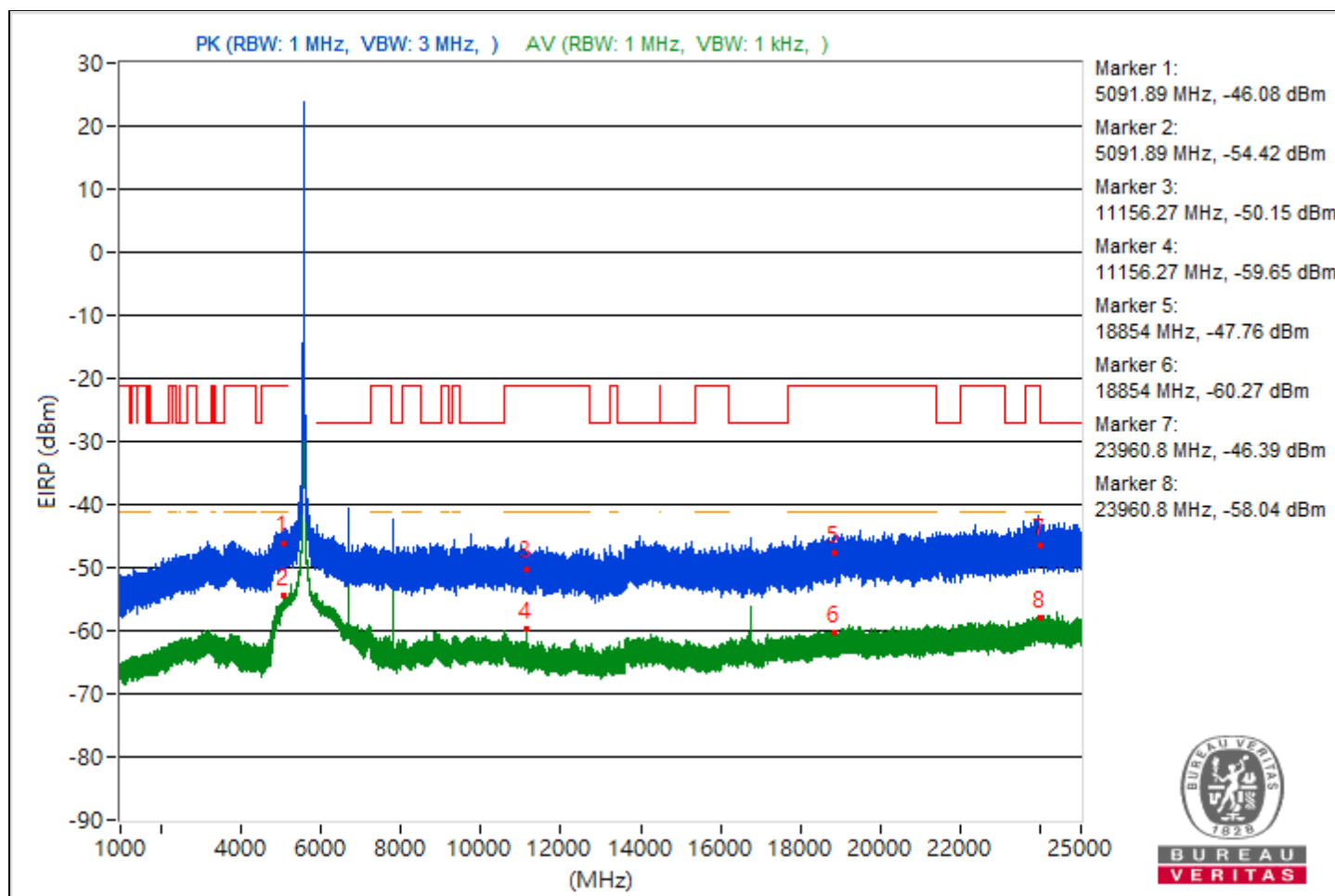


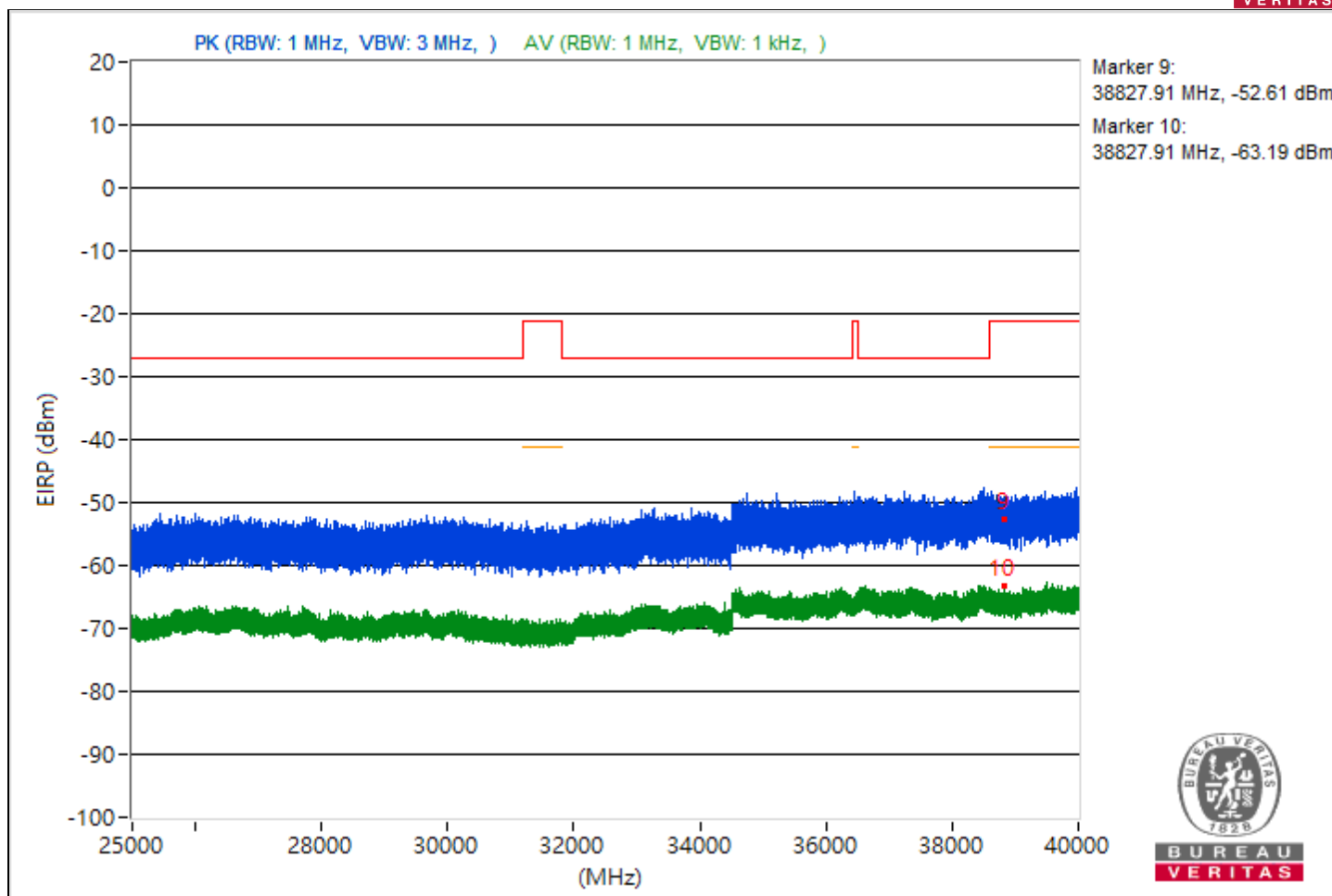


RF Mode	802.11be (EHT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5091.89	49.18 PK	74	-24.82	-58.22	-56.47	8.17	-46.08
2	5091.89	40.84 AV	54	-13.16	-67.5	-64.28	8.17	-54.42
3	11156.27	45.11 PK	74	-28.89	-62.81	-60.23	8.17	-50.15
4	11156.27	35.61 AV	54	-18.39	-72.11	-69.84	8.17	-59.65
5	18854	47.5 PK	74	-26.5	-57.8	-60.49	8.17	-47.76
6	18854	34.99 AV	54	-19.01	-69.94	-73.78	8.17	-60.27
7	23960.8	48.87 PK	74	-25.13	-56.68	-58.68	8.17	-46.39
8	23960.8	37.22 AV	54	-16.78	-70.7	-68.12	8.17	-58.04
9	38827.91	42.65 PK	74	-31.35	-64.3	-63.33	8.17	-52.61
10	38827.91	32.07 AV	54	-21.93	-76.06	-73.15	8.17	-63.19

Note: Margin value = Emission Level - Limit value

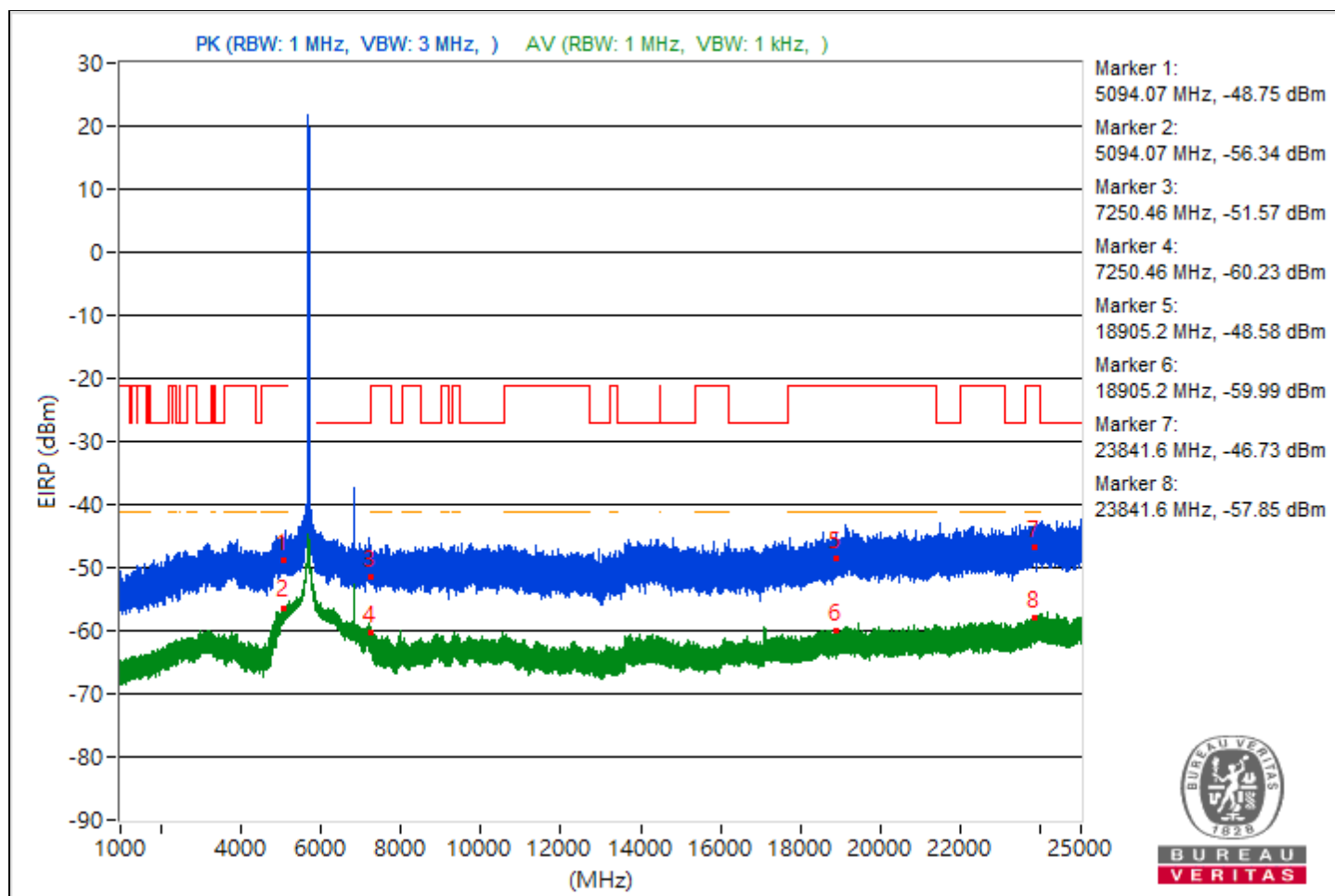


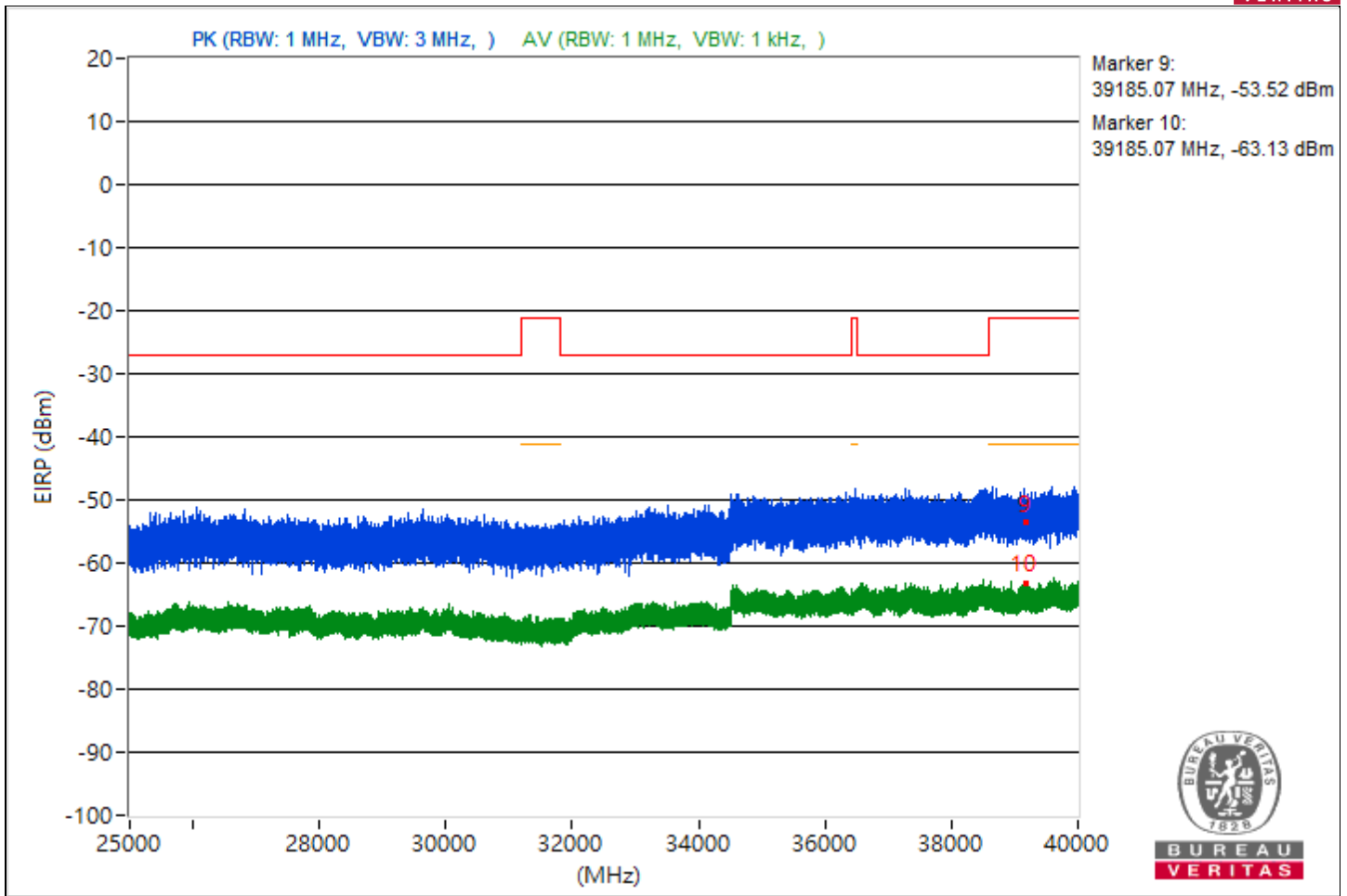


RF Mode	802.11be (EHT20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5094.07	46.51 PK	74	-27.49	-58.79	-61.48	8.17	-48.75
2	5094.07	38.92 AV	54	-15.08	-68.91	-66.47	8.17	-56.34
3	7250.46	43.69 PK	74	-30.31	-62.46	-63.06	8.17	-51.57
4	7250.46	35.03 AV	54	-18.97	-69.78	-74.07	8.17	-60.23
5	18905.2	46.68 PK	74	-27.32	-60.67	-59.01	8.17	-48.58
6	18905.2	35.27 AV	54	-18.73	-73.04	-69.87	8.17	-59.99
7	23841.6	48.53 PK	74	-25.47	-57.14	-58.84	8.17	-46.73
8	23841.6	37.41 AV	54	-16.59	-72.04	-67.28	8.17	-57.85
9	39185.07	41.74 PK	74	-32.26	-63.69	-66.02	8.17	-53.52
10	39185.07	32.13 AV	54	-21.87	-76.2	-73	8.17	-63.13

Note: Margin value = Emission Level - Limit value

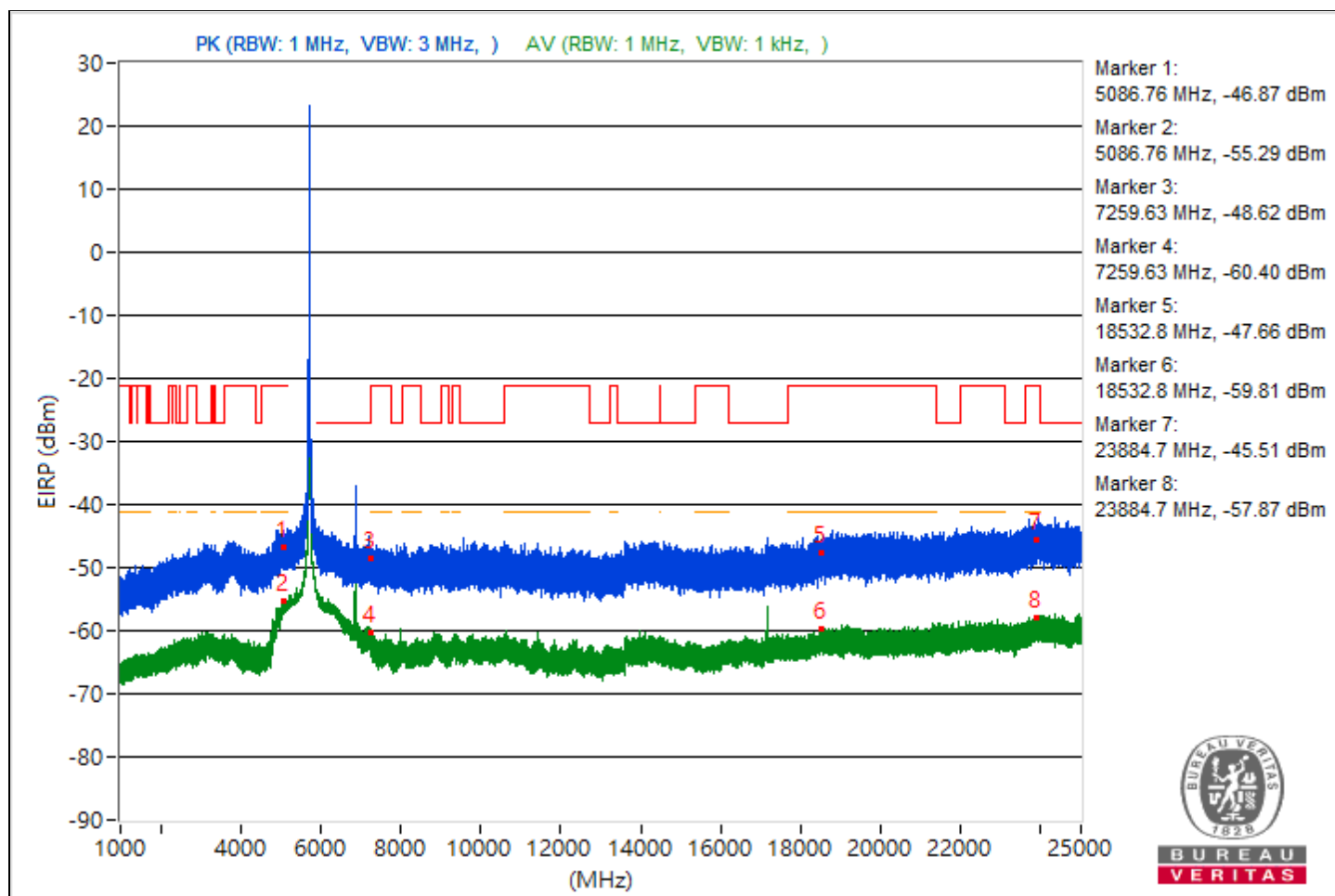


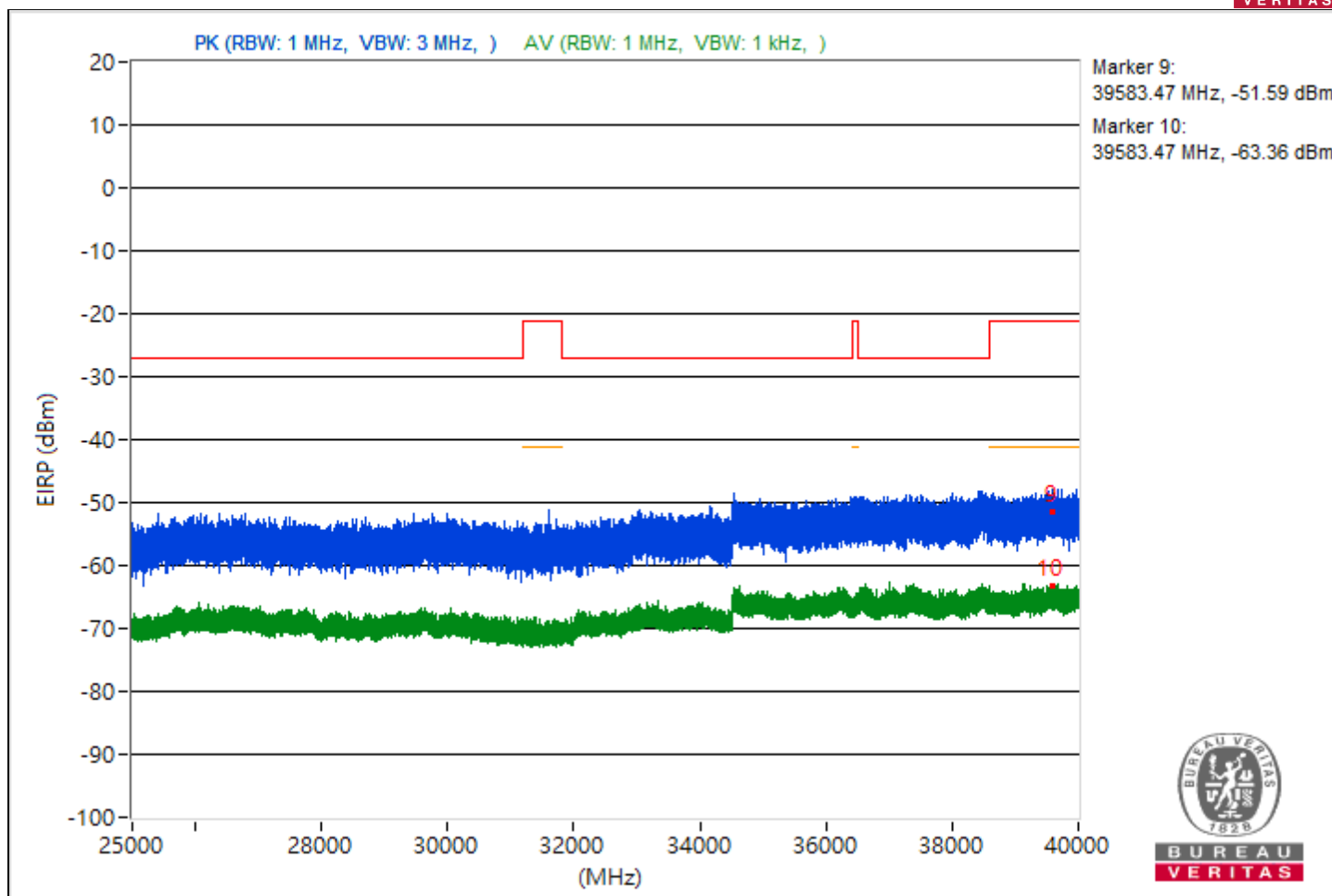


RF Mode	802.11be (EHT20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5086.76	48.39 PK	74	-25.61	-57.45	-58.75	8.17	-46.87
2	5086.76	39.97 AV	54	-14.03	-66.24	-66.71	8.17	-55.29
3	7259.63	46.64 PK	74	-27.36	-58.86	-61	8.17	-48.62
4	7259.63	34.86 AV	54	-19.14	-70.23	-73.56	8.17	-60.4
5	18532.8	47.6 PK	74	-26.4	-60.48	-57.66	8.17	-47.66
6	18532.8	35.45 AV	54	-18.55	-72.57	-69.84	8.17	-59.81
7	23884.7	49.75 PK	74	-24.25	-60.25	-54.76	8.17	-45.51
8	23884.7	37.39 AV	54	-16.61	-71.58	-67.46	8.17	-57.87
9	39583.47	43.67 PK	74	-30.33	-64.08	-61.77	8.17	-51.59
10	39583.47	31.9 AV	54	-22.1	-76.39	-73.24	8.17	-63.36

Note: Margin value = Emission Level - Limit value

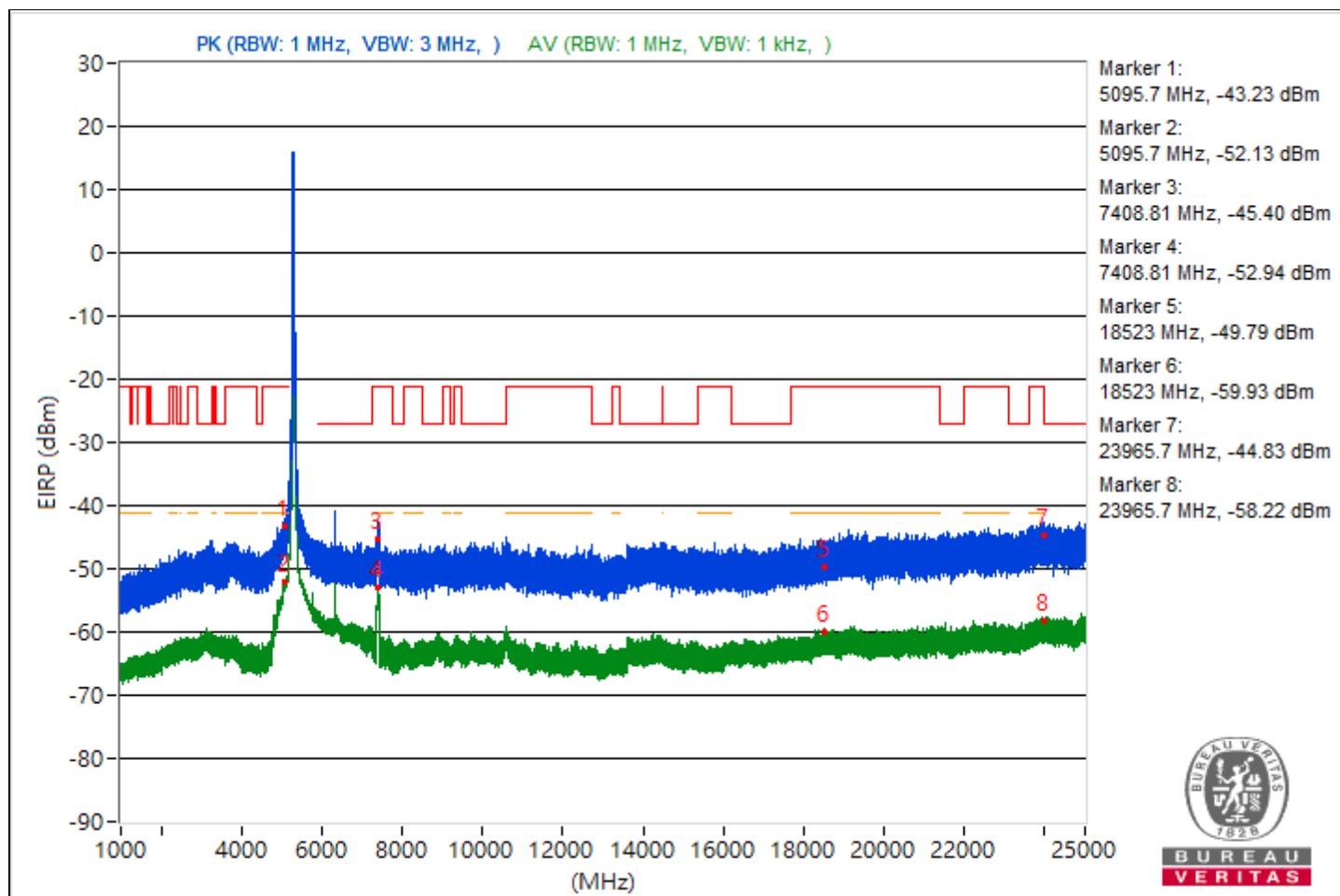


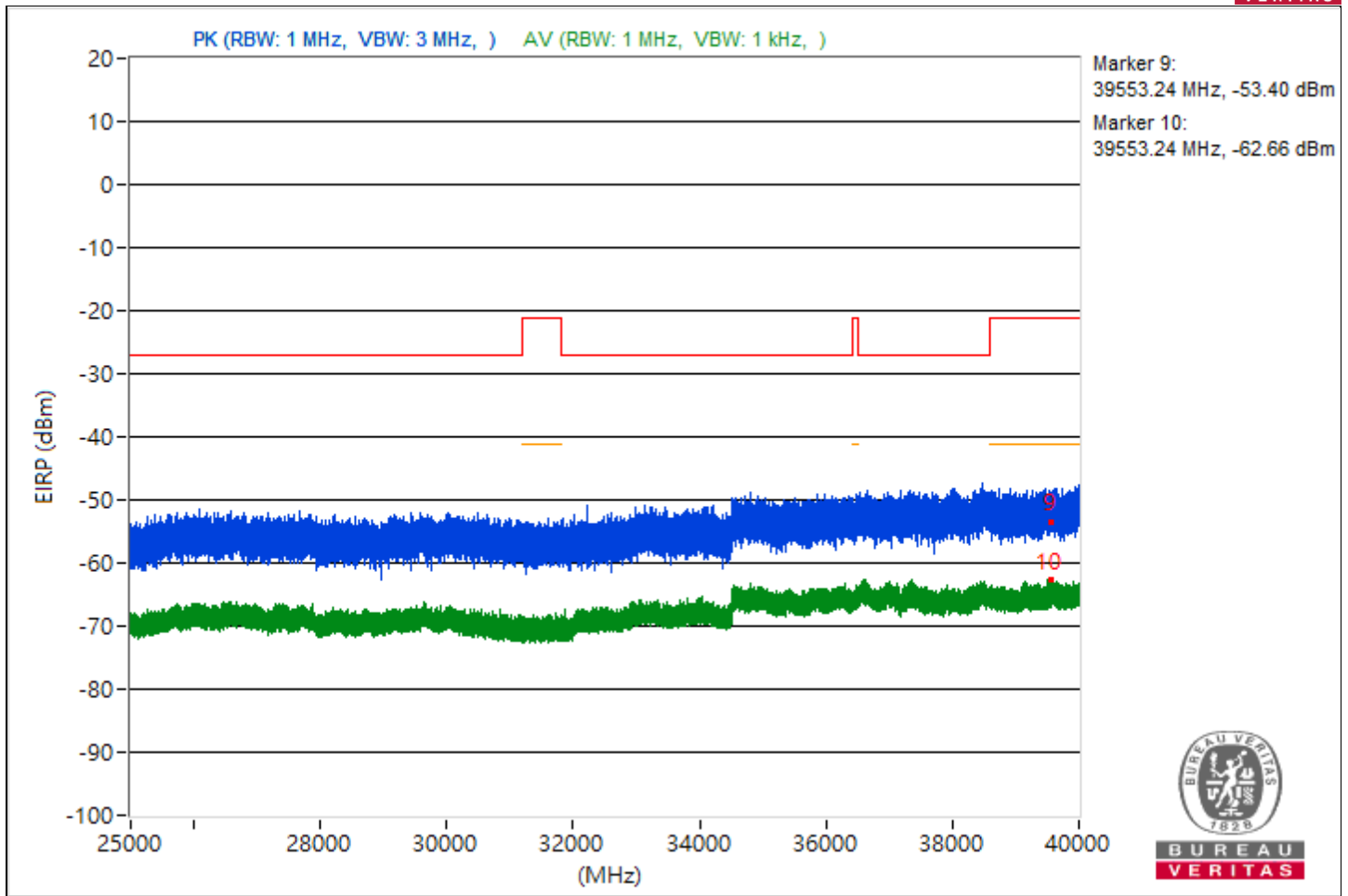


RF Mode	802.11be (EHT80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5095.7	52.03 PK	74	-21.97	-52.88	-56.81	8.17	-43.23
2	5095.7	43.13 AV	54	-10.87	-63.47	-63.15	8.17	-52.13
3	7408.81	49.86 PK	74	-24.14	-58.56	-55.22	8.17	-45.4
4	7408.81	42.32 AV	54	-11.68	-66.94	-62.42	8.17	-52.94
5	18523	45.47 PK	74	-28.53	-60.43	-61.58	8.17	-49.79
6	18523	35.33 AV	54	-18.67	-73.68	-69.5	8.17	-59.93
7	23965.7	50.43 PK	74	-23.57	-56.01	-56	8.17	-44.83
8	23965.7	37.04 AV	54	-16.96	-71.66	-67.91	8.17	-58.22
9	39553.24	41.86 PK	74	-32.14	-64.4	-64.77	8.17	-53.4
10	39553.24	32.6 AV	54	-21.4	-72.79	-75.22	8.17	-62.66

Note: Margin value = Emission Level - Limit value

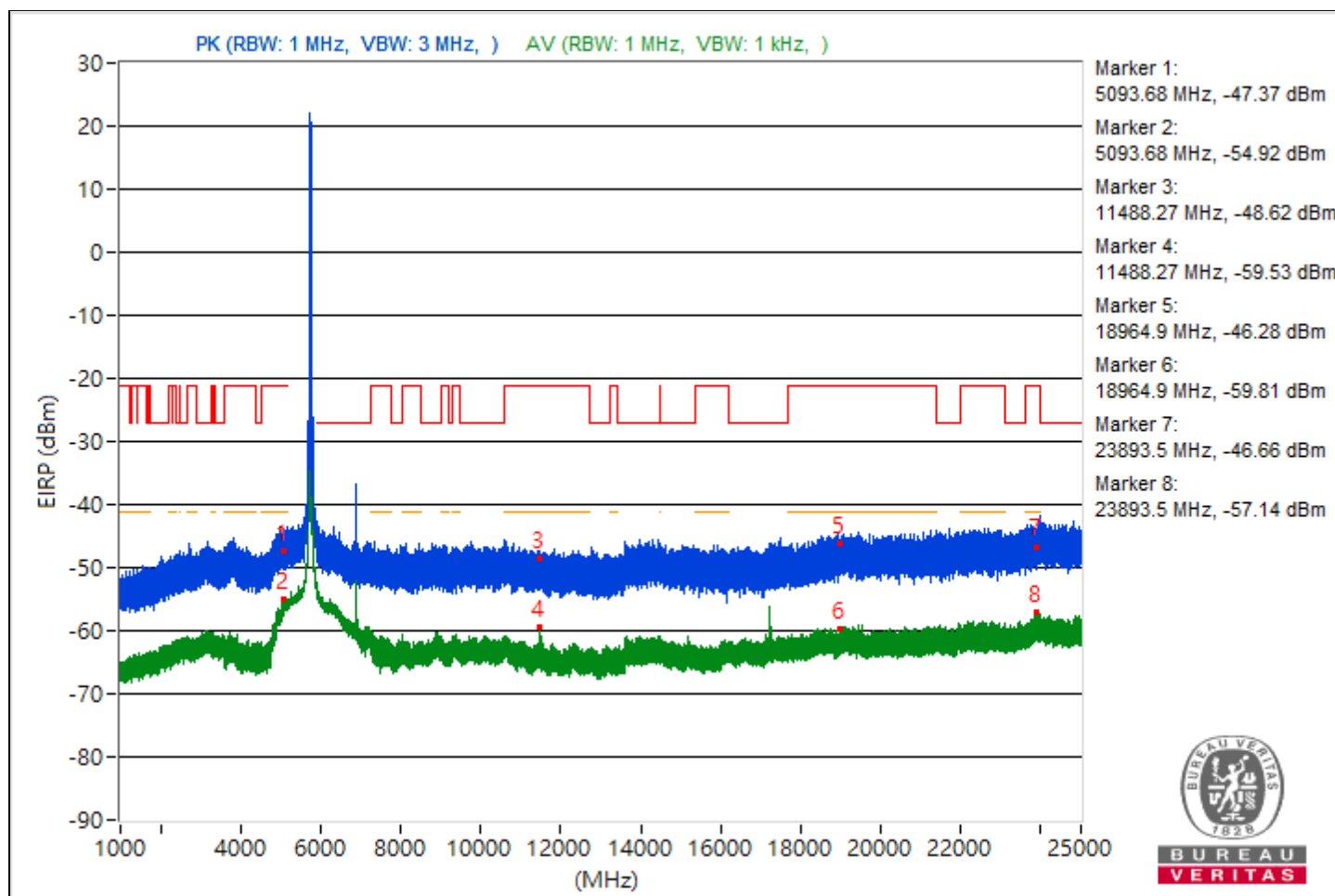


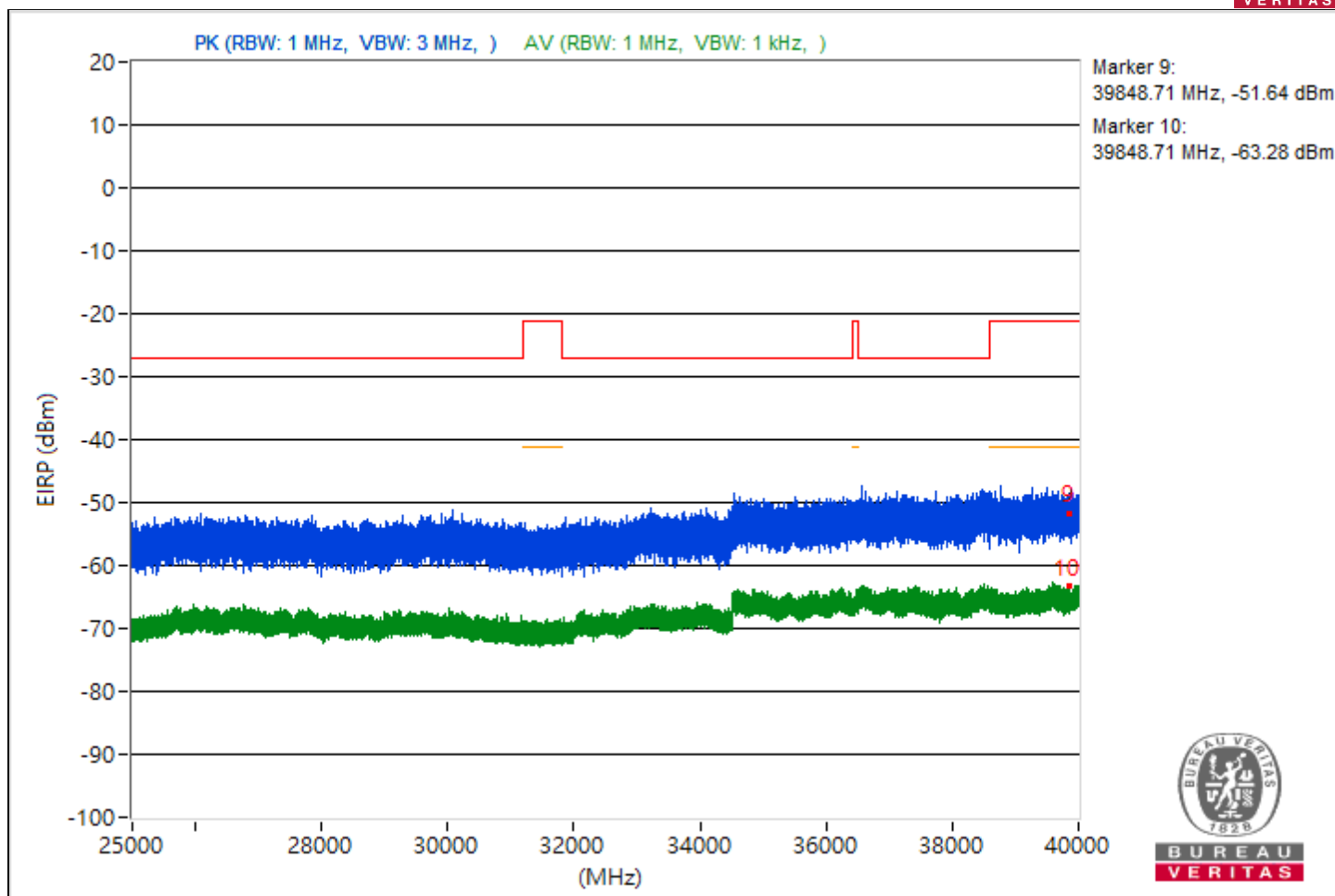


RF Mode	802.11be (EHT20) 242-tone RU	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5093.68	47.89 PK	74	-26.11	-60.72	-57.11	8.17	-47.37
2	5093.68	40.34 AV	54	-13.66	-66.45	-65.78	8.17	-54.92
3	11488.27	46.64 PK	74	-27.36	-61.8	-58.43	8.17	-48.62
4	11488.27	35.73 AV	54	-18.27	-72.7	-69.35	8.17	-59.53
5	18964.9	48.98 PK	74	-25.02	-56.18	-59.29	8.17	-46.28
6	18964.9	35.45 AV	54	-18.55	-69.84	-72.55	8.17	-59.81
7	23893.5	48.6 PK	74	-25.4	-57.33	-58.42	8.17	-46.66
8	23893.5	38.12 AV	54	-15.88	-67.83	-68.87	8.17	-57.14
9	39848.71	43.62 PK	74	-30.38	-62.65	-63	8.17	-51.64
10	39848.71	31.98 AV	54	-22.02	-73.22	-76.19	8.17	-63.28

Note: Margin value = Emission Level - Limit value

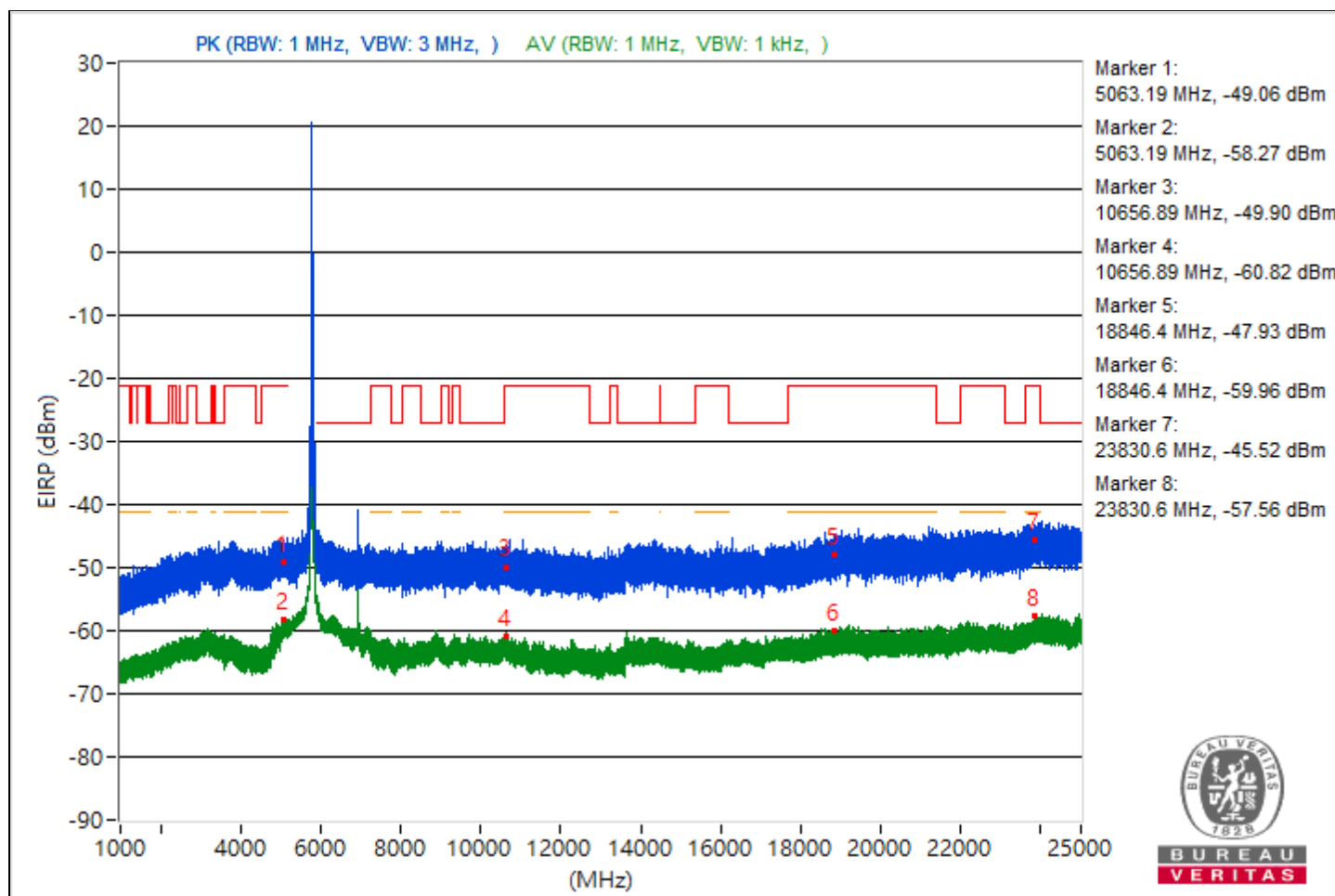


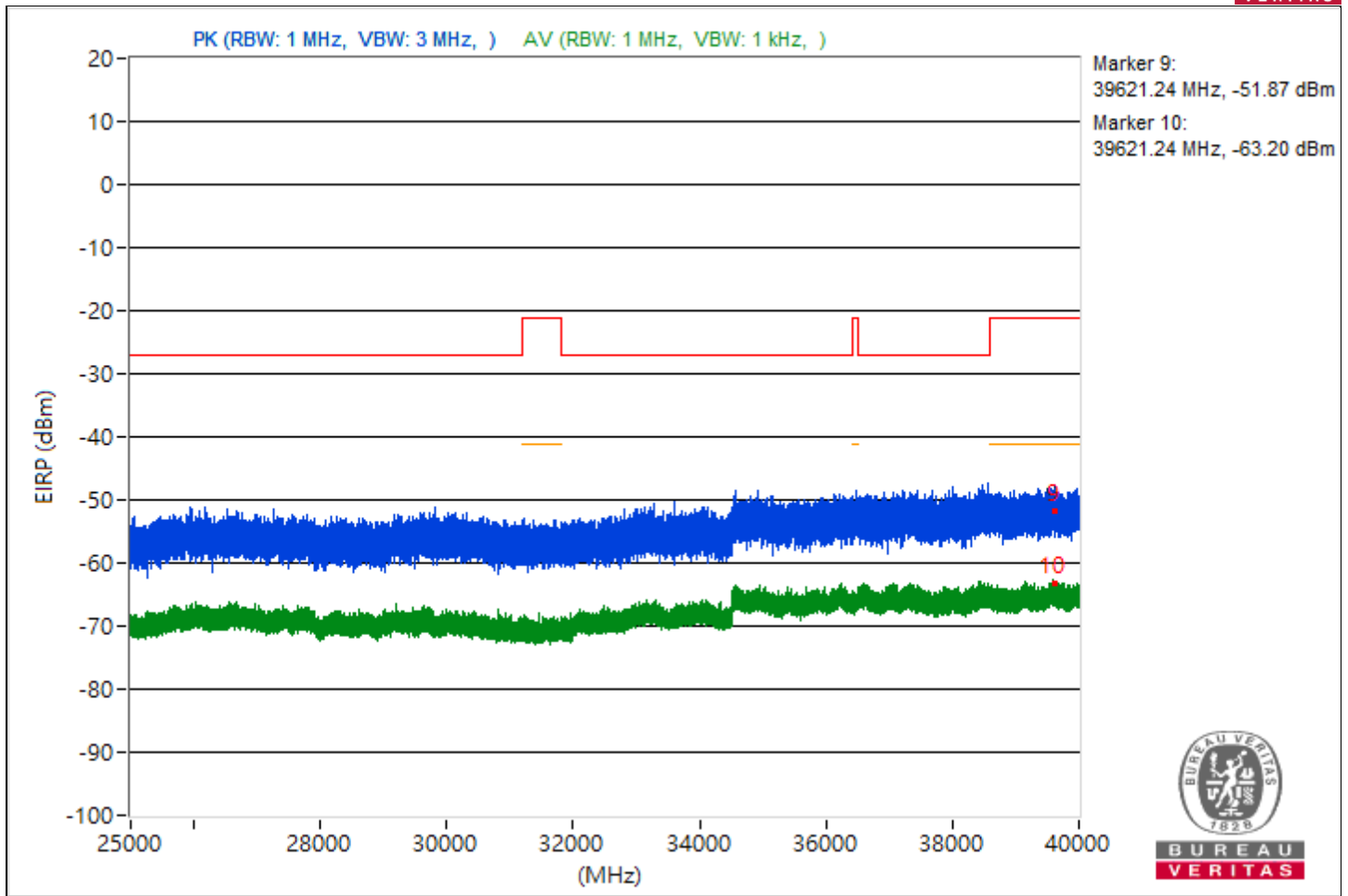


RF Mode	802.11be (EHT20) 242-tone RU	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5063.19	46.2 PK	74	-27.8	-59.34	-61.36	8.17	-49.06
2	5063.19	36.99 AV	54	-17.01	-67.67	-72.52	8.17	-58.27
3	10656.89	45.36 PK	74	-28.64	-60.64	-61.58	8.17	-49.9
4	10656.89	34.44 AV	54	-19.56	-72.9	-71.26	8.17	-60.82
5	18846.4	47.33 PK	74	-26.67	-60.51	-58.05	8.17	-47.93
6	18846.4	35.3 AV	54	-18.7	-73.37	-69.68	8.17	-59.96
7	23830.6	49.74 PK	74	-24.26	-55.34	-58.68	8.17	-45.52
8	23830.6	37.7 AV	54	-16.3	-70.98	-67.27	8.17	-57.56
9	39621.24	43.39 PK	74	-30.61	-63.41	-62.72	8.17	-51.87
10	39621.24	32.06 AV	54	-21.94	-72.74	-77.05	8.17	-63.2

Note: Margin value = Emission Level - Limit value

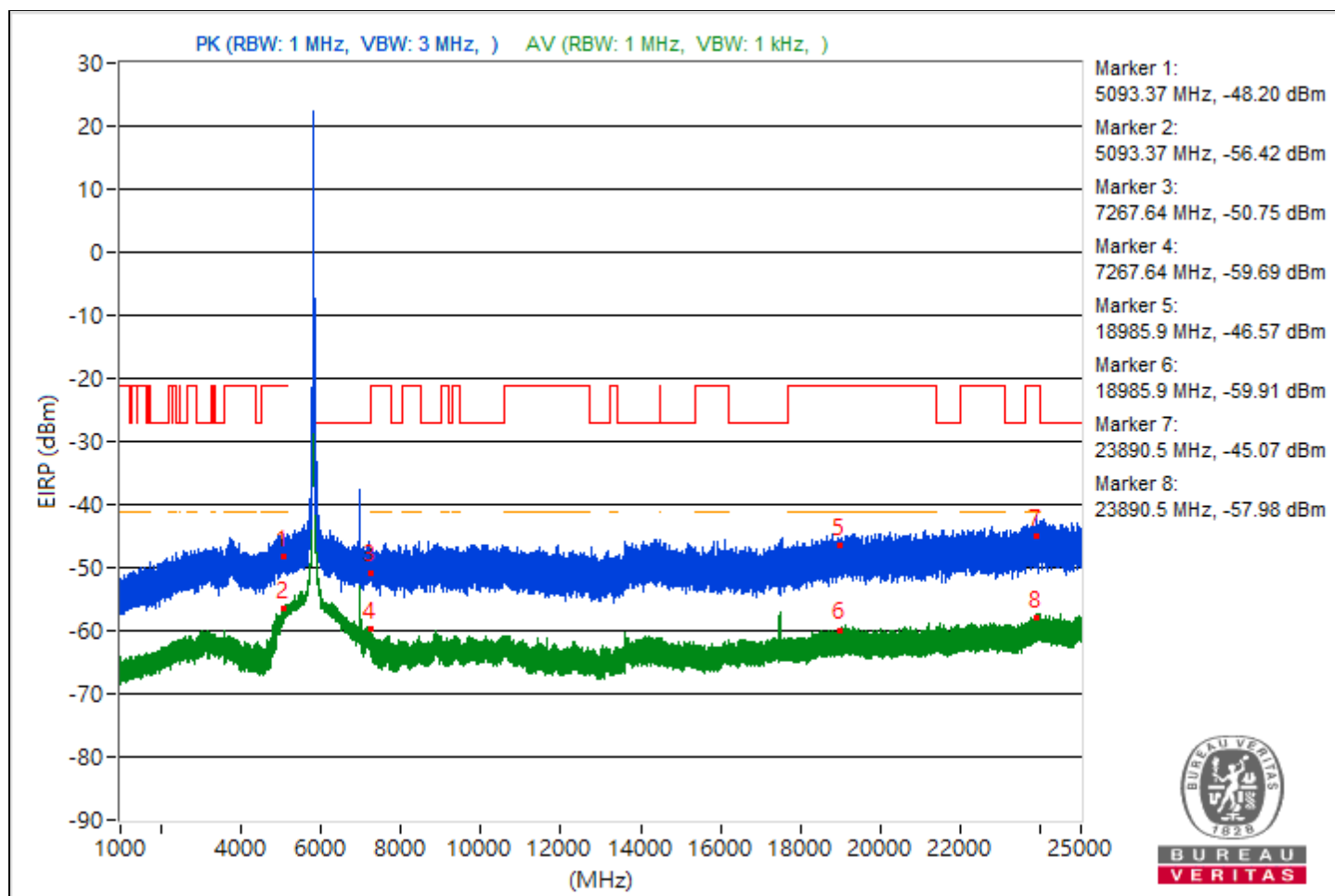


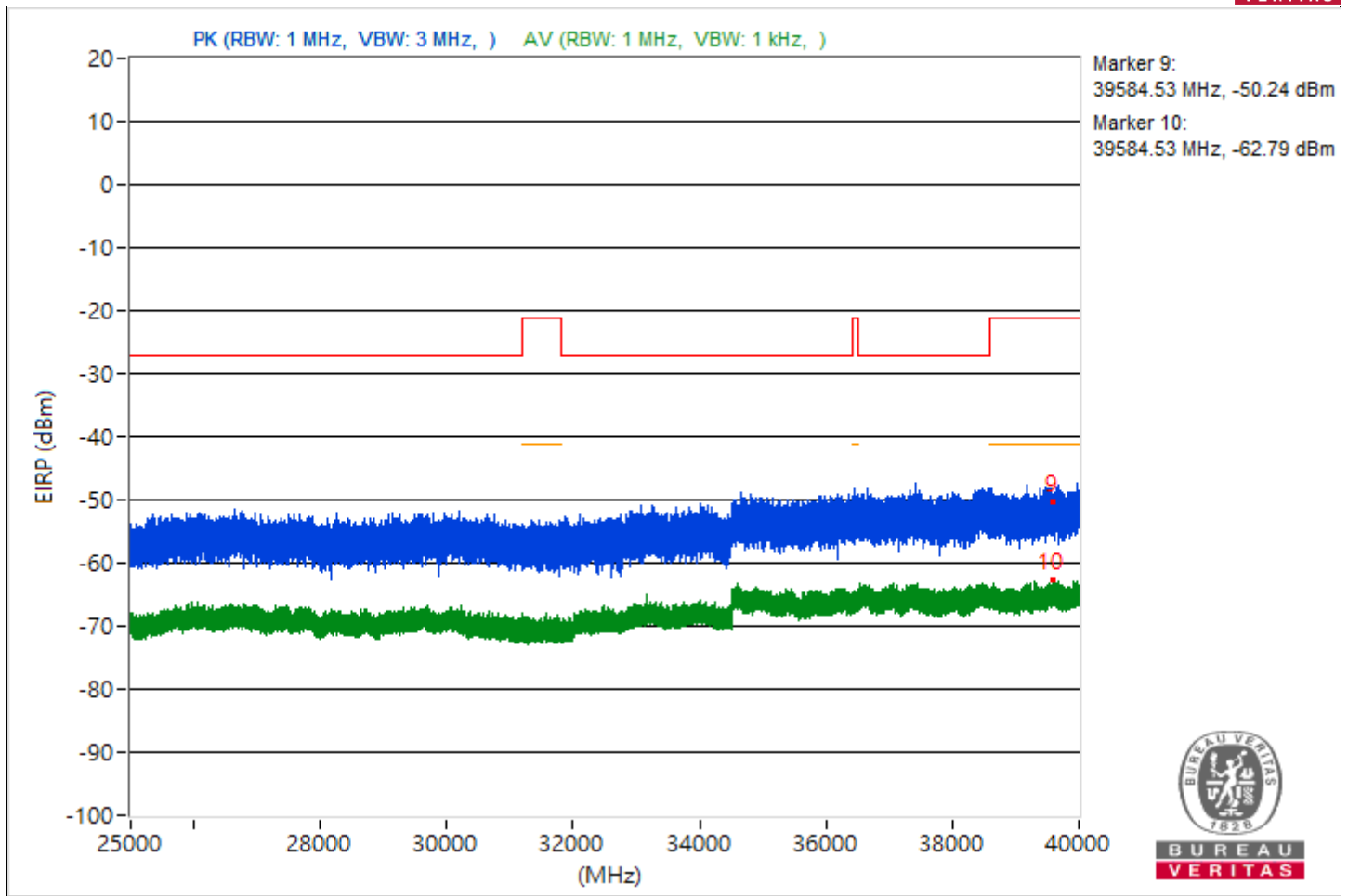


RF Mode	802.11be (EHT20) 242-tone RU	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5093.37	47.06 PK	74	-26.94	-59.22	-59.55	8.17	-48.2
2	5093.37	38.84 AV	54	-15.16	-67.25	-67.98	8.17	-56.42
3	7267.64	44.51 PK	74	-29.49	-61.5	-62.42	8.17	-50.75
4	7267.64	35.57 AV	54	-18.43	-70.11	-71.79	8.17	-59.69
5	18985.9	48.69 PK	74	-25.31	-58.11	-57.41	8.17	-46.57
6	18985.9	35.35 AV	54	-18.65	-70.05	-72.47	8.17	-59.91
7	23890.5	50.19 PK	74	-23.81	-55.58	-57.04	8.17	-45.07
8	23890.5	37.28 AV	54	-16.72	-71.05	-67.84	8.17	-57.98
9	39584.53	45.02 PK	74	-28.98	-60.49	-62.62	8.17	-50.24
10	39584.53	32.47 AV	54	-21.53	-72.59	-76	8.17	-62.79

Note: Margin value = Emission Level - Limit value

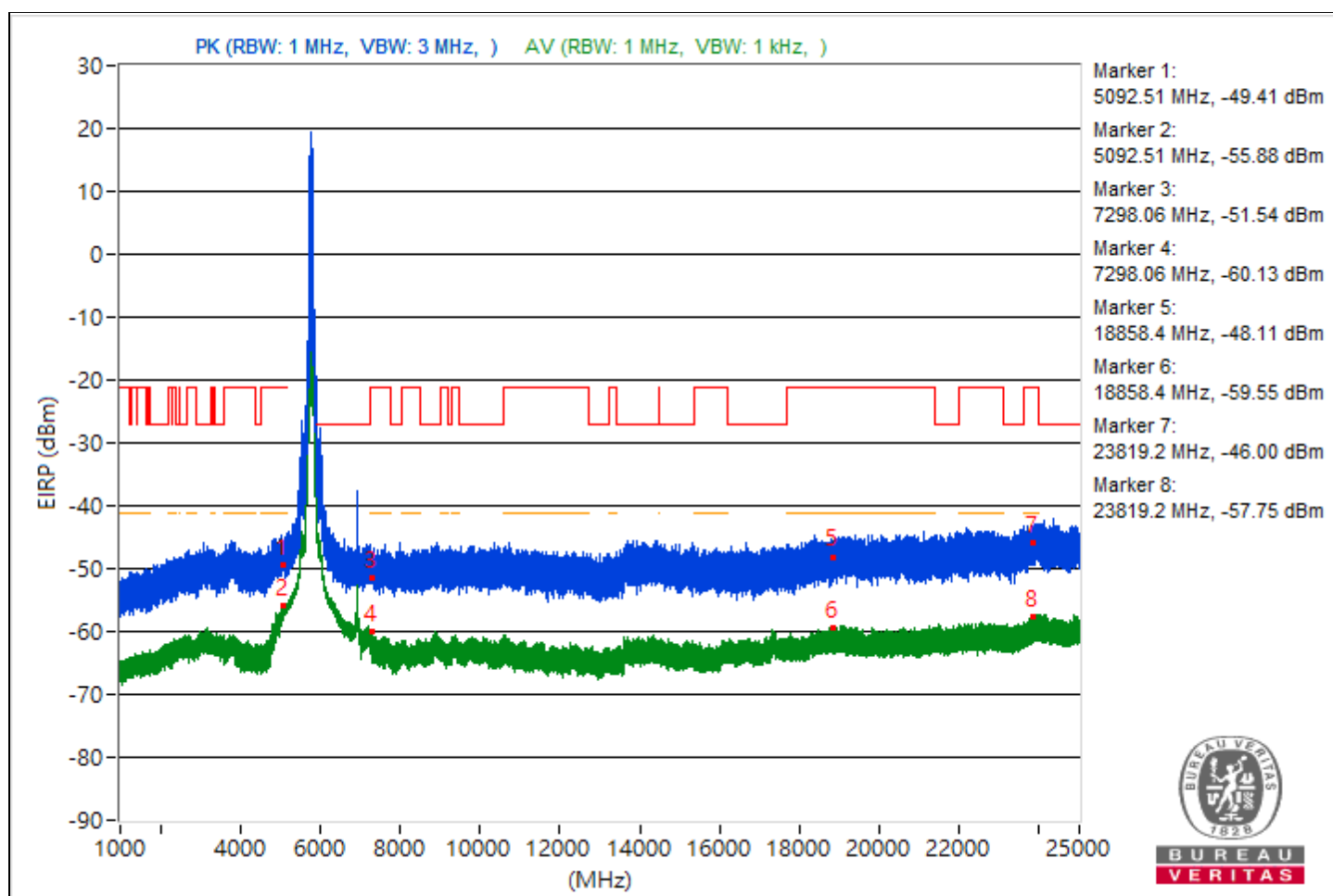


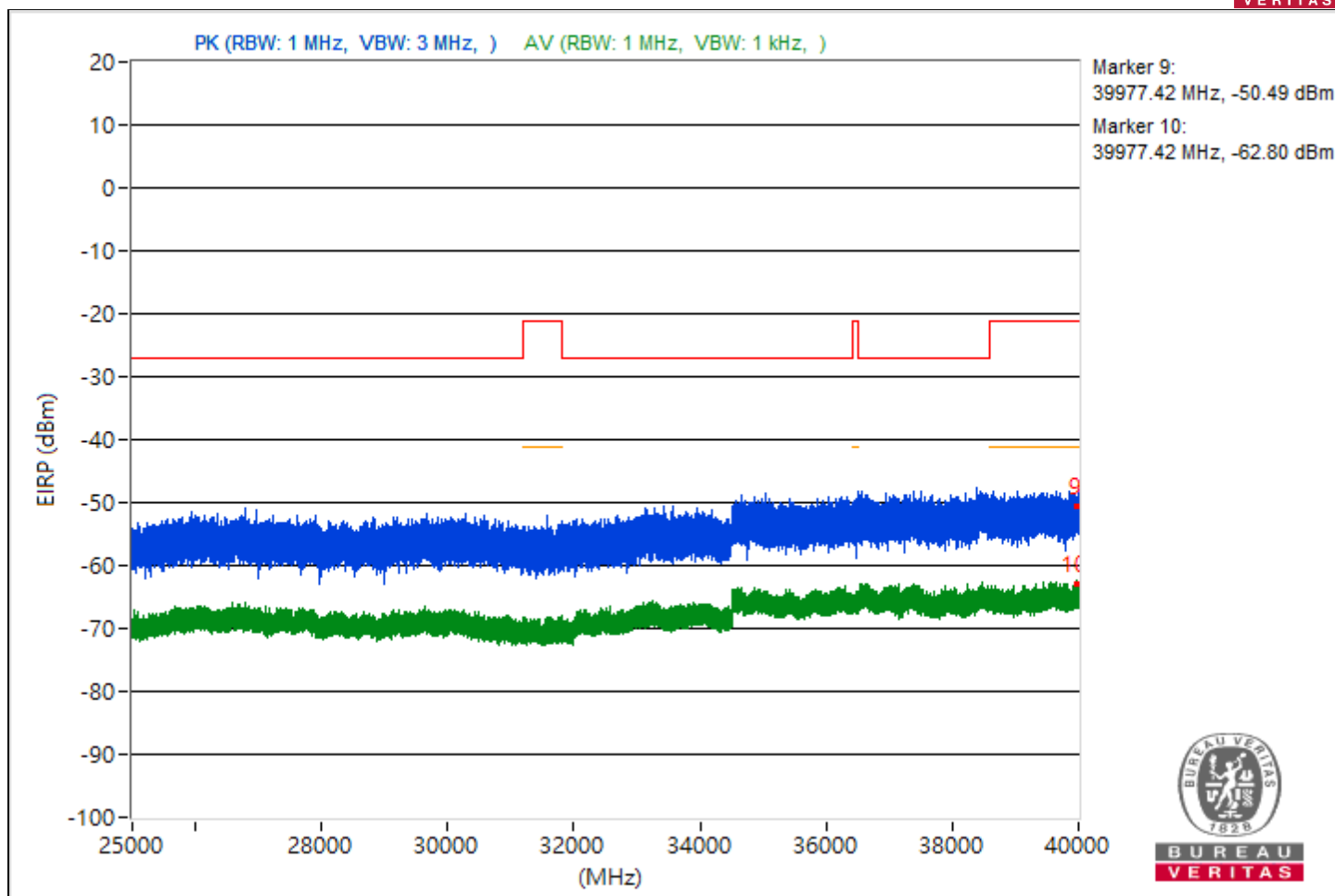


RF Mode	802.11be (EHT80) 484+242-tone MRU	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5092.51	45.85 PK	74	-28.15	-60.07	-61.19	8.17	-49.41
2	5092.51	39.38 AV	54	-14.62	-66.42	-67.82	8.17	-55.88
3	7298.06	43.72 PK	74	-30.28	-61.15	-65.21	8.17	-51.54
4	7298.06	35.13 AV	54	-18.87	-73.49	-69.86	8.17	-60.13
5	18858.4	47.15 PK	74	-26.85	-59.78	-58.84	8.17	-48.11
6	18858.4	35.71 AV	54	-18.29	-69.62	-72.24	8.17	-59.55
7	23819.2	49.26 PK	74	-24.74	-57.67	-56.74	8.17	-46.00
8	23819.2	37.51 AV	54	-16.49	-67.28	-71.61	8.17	-57.75
9	39977.42	44.77 PK	74	-29.23	-62.33	-61.09	8.17	-50.49
10	39977.42	32.46 AV	54	-21.54	-72.52	-76.2	8.17	-62.8

Note: Margin value = Emission Level - Limit value





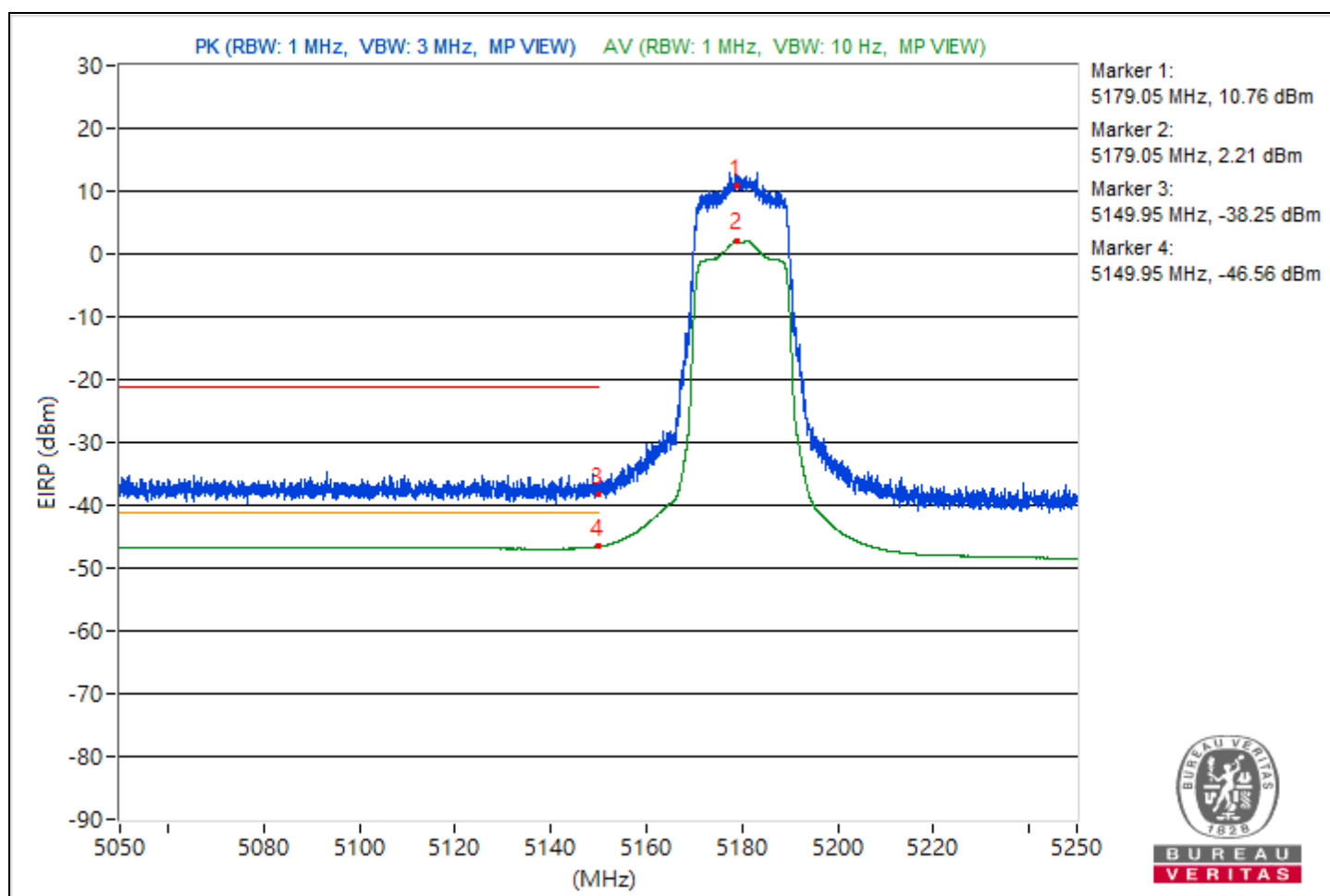
Conducted Band Edges

RF Mode	802.11be (EHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5179.05	106.02 PK			-0.03	0.57	7.47	10.76
2	*5179.05	97.47 AV			-8.24	-8.31	7.47	2.21
3	5149.95	57.01 PK	74	-16.99	-49.44	-48.11	7.47	-38.25
4	5149.95	48.7 AV	54	-5.3	-57.07	-57.02	7.47	-46.56

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

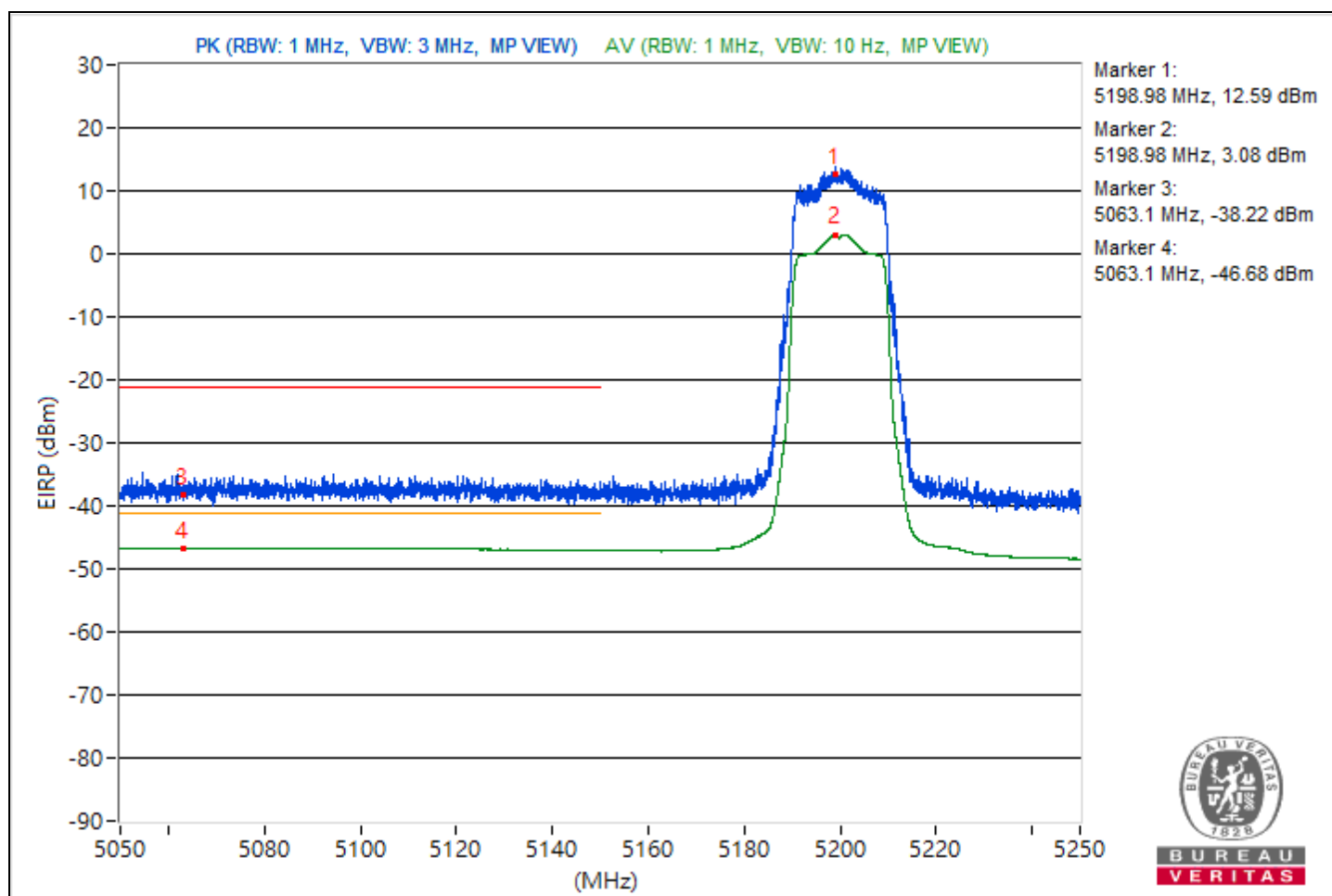


RF Mode	802.11be (EHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5198.98	107.85 PK			1.21	2.86	7.47	12.59
2	*5198.98	98.34 AV			-7.39	-7.41	7.47	3.08
3	5063.1	57.04 PK	74	-16.96	-48.8	-48.6	7.47	-38.22
4	5063.1	48.58 AV	54	-5.42	-57.21	-57.12	7.47	-46.68

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

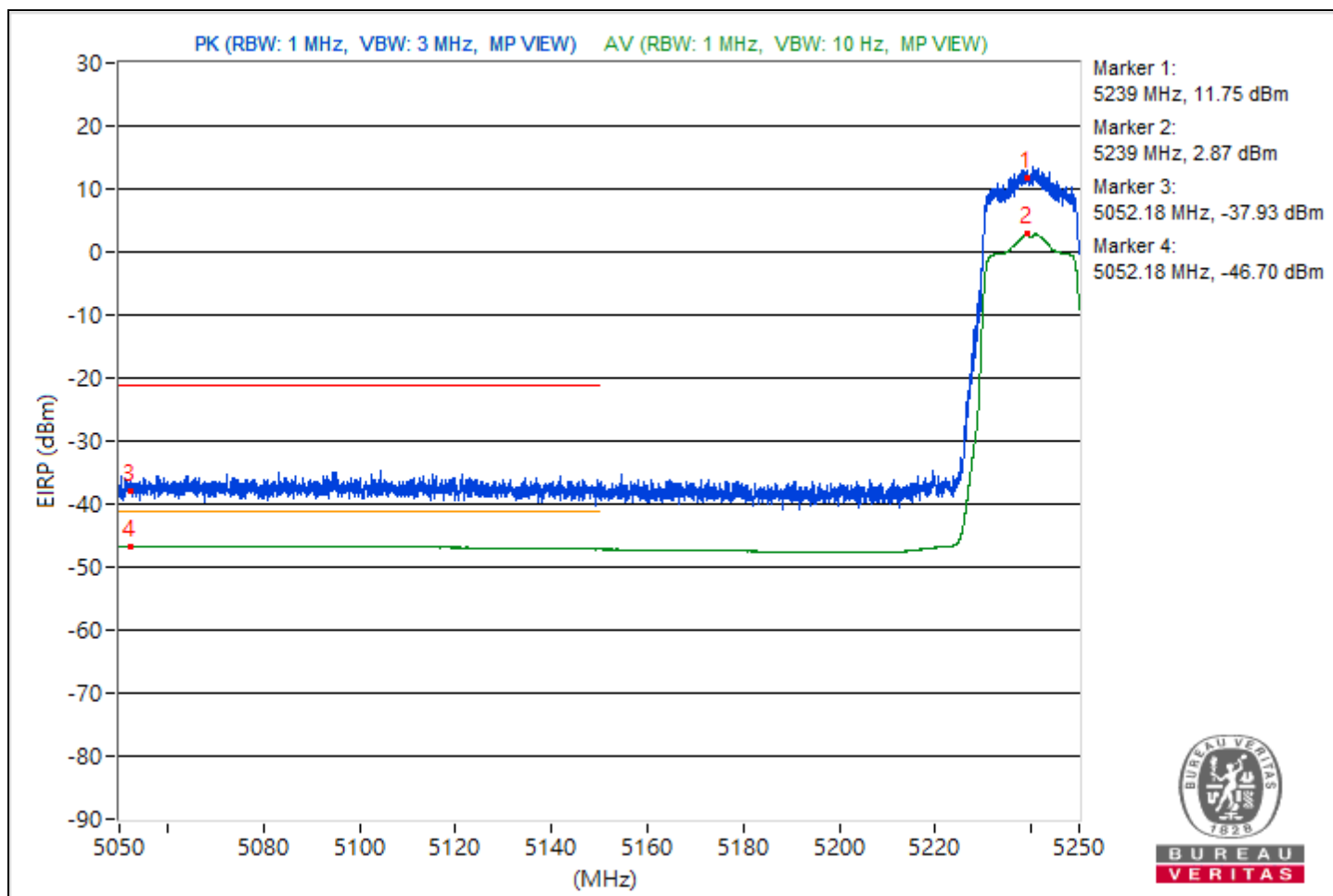


RF Mode	802.11be (EHT20)	Channel	CH 48 : 5240 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5239	107.01 PK			1.43	1.11	7.47	11.75
2	*5239	98.13 AV			-7.6	-7.61	7.47	2.87
3	5052.18	57.33 PK	74	-16.67	-47.59	-49.42	7.47	-37.93
4	5052.18	48.56 AV	54	-5.44	-57.18	-57.17	7.47	-46.7

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

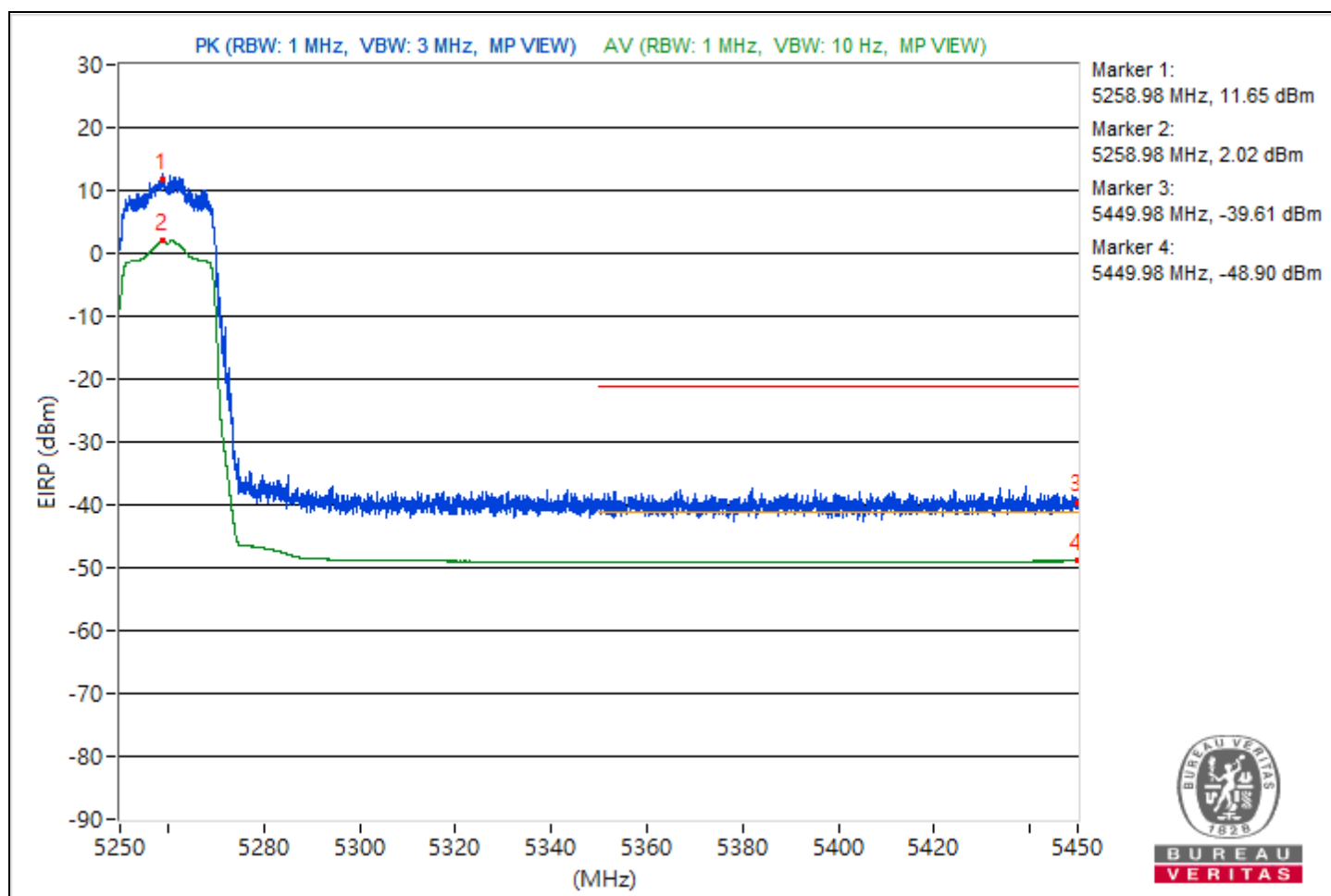


RF Mode	802.11be (EHT20)	Channel	CH 52 : 5260 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5258.98	106.91 PK			1.27	1.07	7.47	11.65
2	*5258.98	97.28 AV			-8.45	-8.47	7.47	2.02
3	5449.98	55.65 PK	74	-18.35	-51.18	-49.22	7.47	-39.61
4	5449.98	46.36 AV	54	-7.64	-59.45	-59.32	7.47	-48.9

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

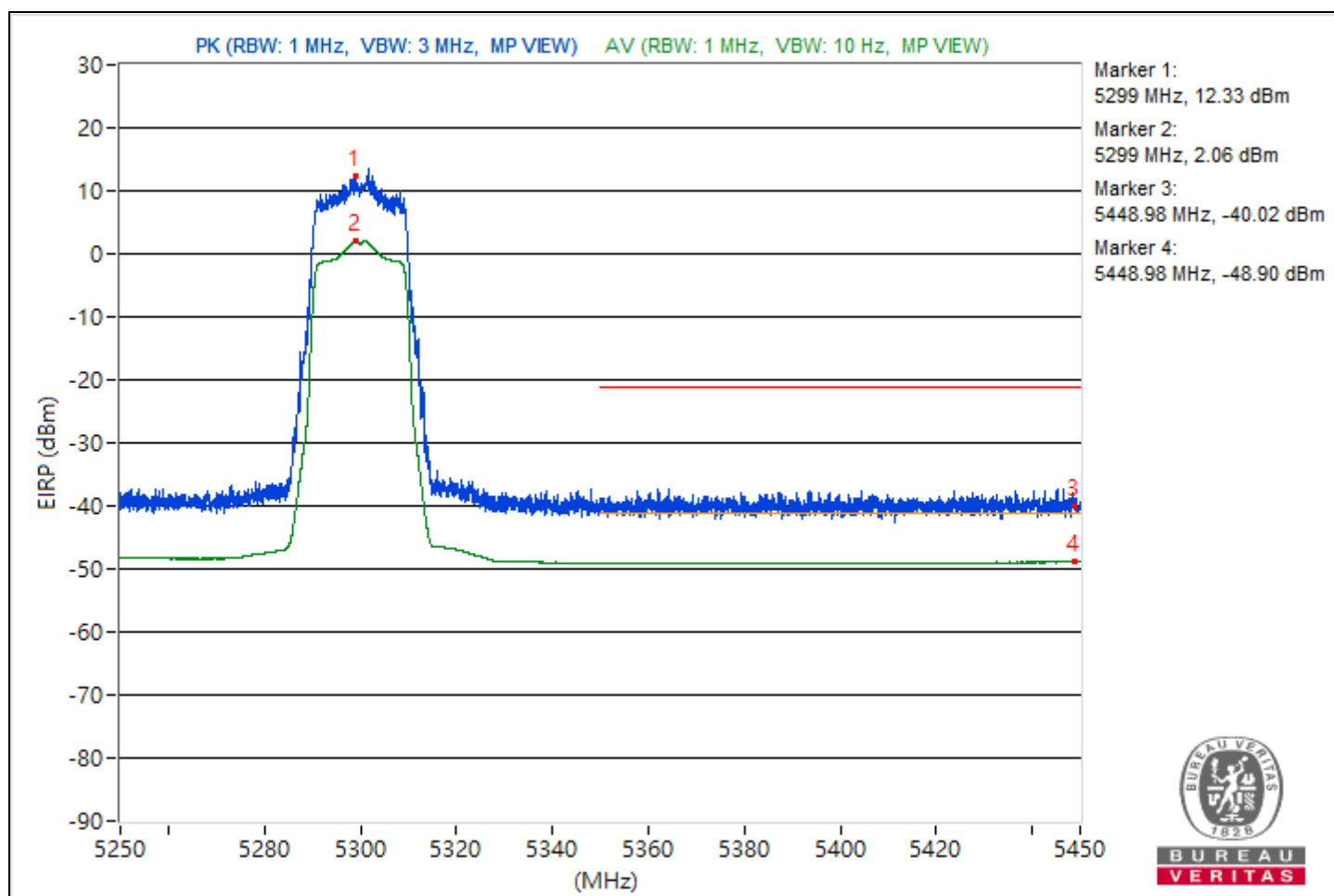


RF Mode	802.11be (EHT20)	Channel	CH 60 : 5300 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5299	107.59 PK			1.29	2.34	7.47	12.33
2	*5299	97.32 AV			-8.43	-8.41	7.47	2.06
3	5448.98	55.24 PK	74	-18.76	-51.47	-49.7	7.47	-40.02
4	5448.98	46.36 AV	54	-7.64	-59.36	-59.4	7.47	-48.9

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

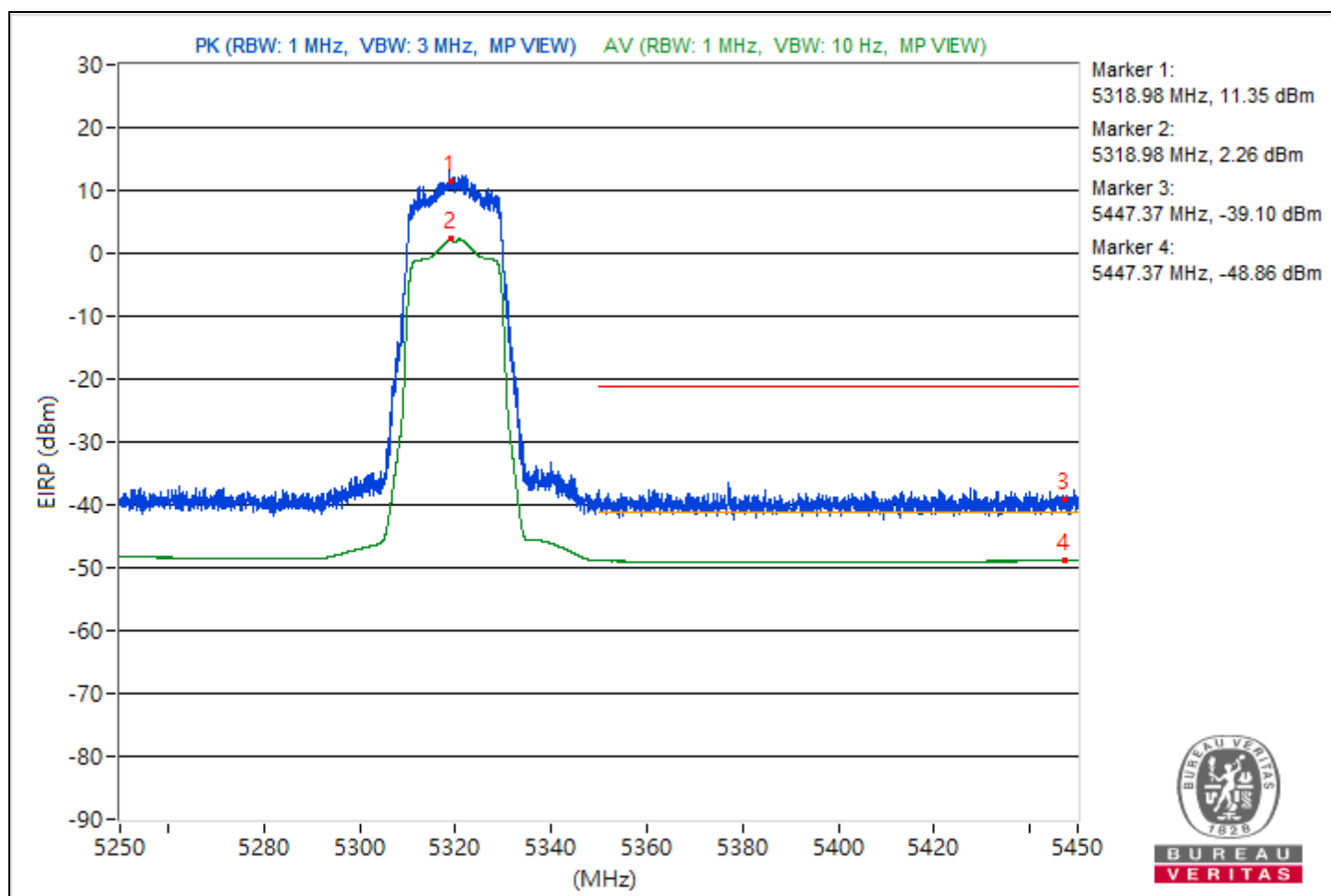


RF Mode	802.11be (EHT20)	Channel	CH 64 : 5320 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5318.98	106.61 PK			0.94	0.79	7.47	11.35
2	*5318.98	97.52 AV			-8.27	-8.18	7.47	2.26
3	5447.37	56.16 PK	74	-17.84	-50.47	-48.84	7.47	-39.1
4	5447.37	46.4 AV	54	-7.6	-59.32	-59.36	7.47	-48.86

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

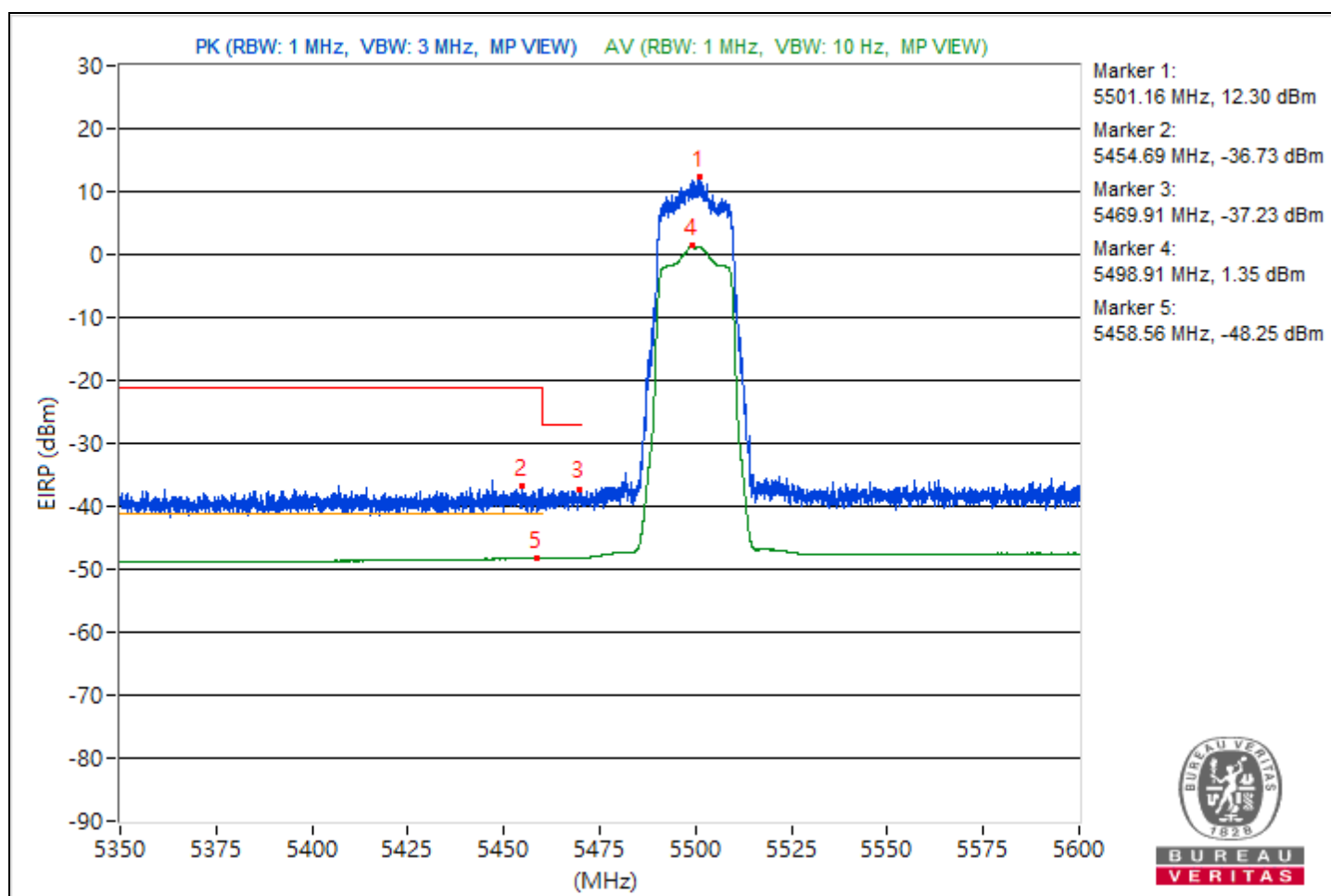


RF Mode	802.11be (EHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5501.16	107.56 PK			1.44	1.5	7.82	12.3
2	5454.69	58.53 PK	74	-15.47	-49.52	-46.22	7.82	-36.73
3	#5469.91	58.03 PK	68.26	-10.23	-47.17	-49.17	7.82	-37.23
4	*5498.91	96.61 AV			-9.48	-9.48	7.82	1.35
5	5458.56	47.01 AV	54	-6.99	-59.06	-59.09	7.82	-48.25

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.

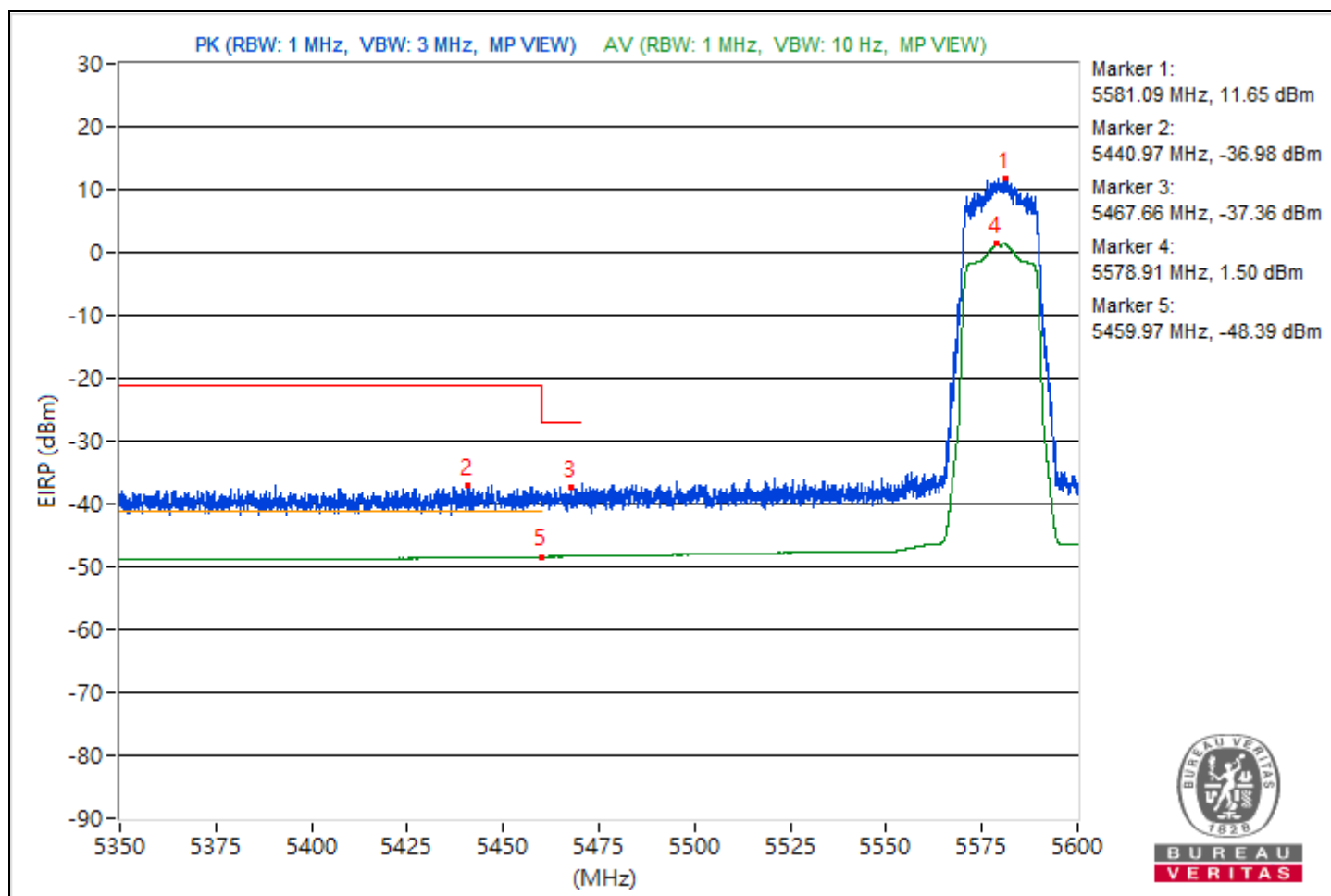


RF Mode	802.11be (EHT20)	Channel	CH 116 : 5580 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5581.09	106.91 PK			1.72	-0.31	7.82	11.65
2	5440.97	58.28 PK	74	-15.72	-50.14	-46.3	7.82	-36.98
3	#5467.66	57.9 PK	68.26	-10.36	-47.15	-49.57	7.82	-37.36
4	*5578.91	96.76 AV			-9.33	-9.33	7.82	1.5
5	5459.97	46.87 AV	54	-7.13	-59.23	-59.22	7.82	-48.39

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.

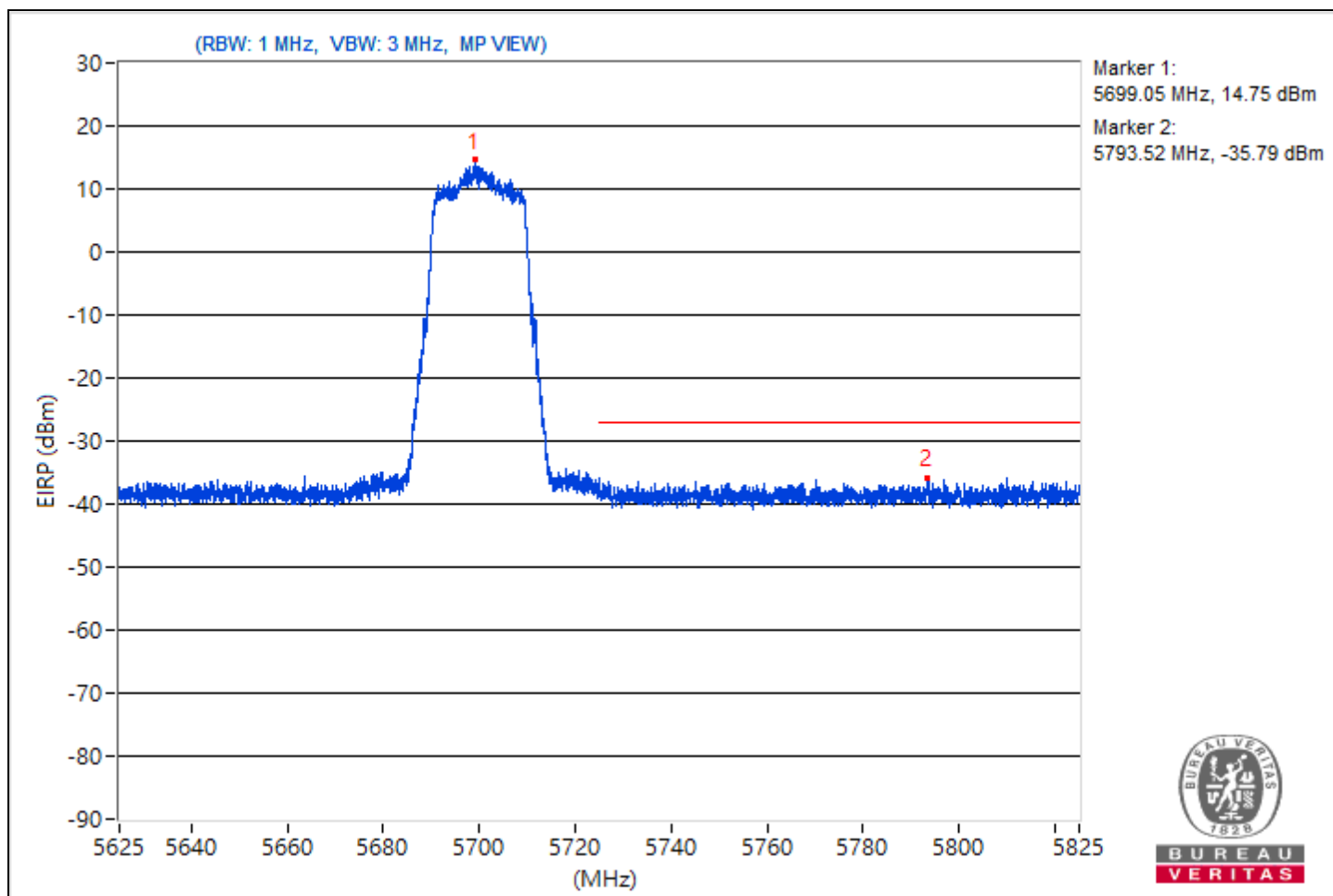


RF Mode	802.11be (EHT20)	Channel	CH 140 : 5700 MHz
Frequency Range	5.625 GHz ~ 5.825 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5699.05	110.01			4.76	2.88	7.82	14.75
2	#5793.52	59.47	68.26	-8.79	-45.14	-48.9	7.82	-35.79

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.

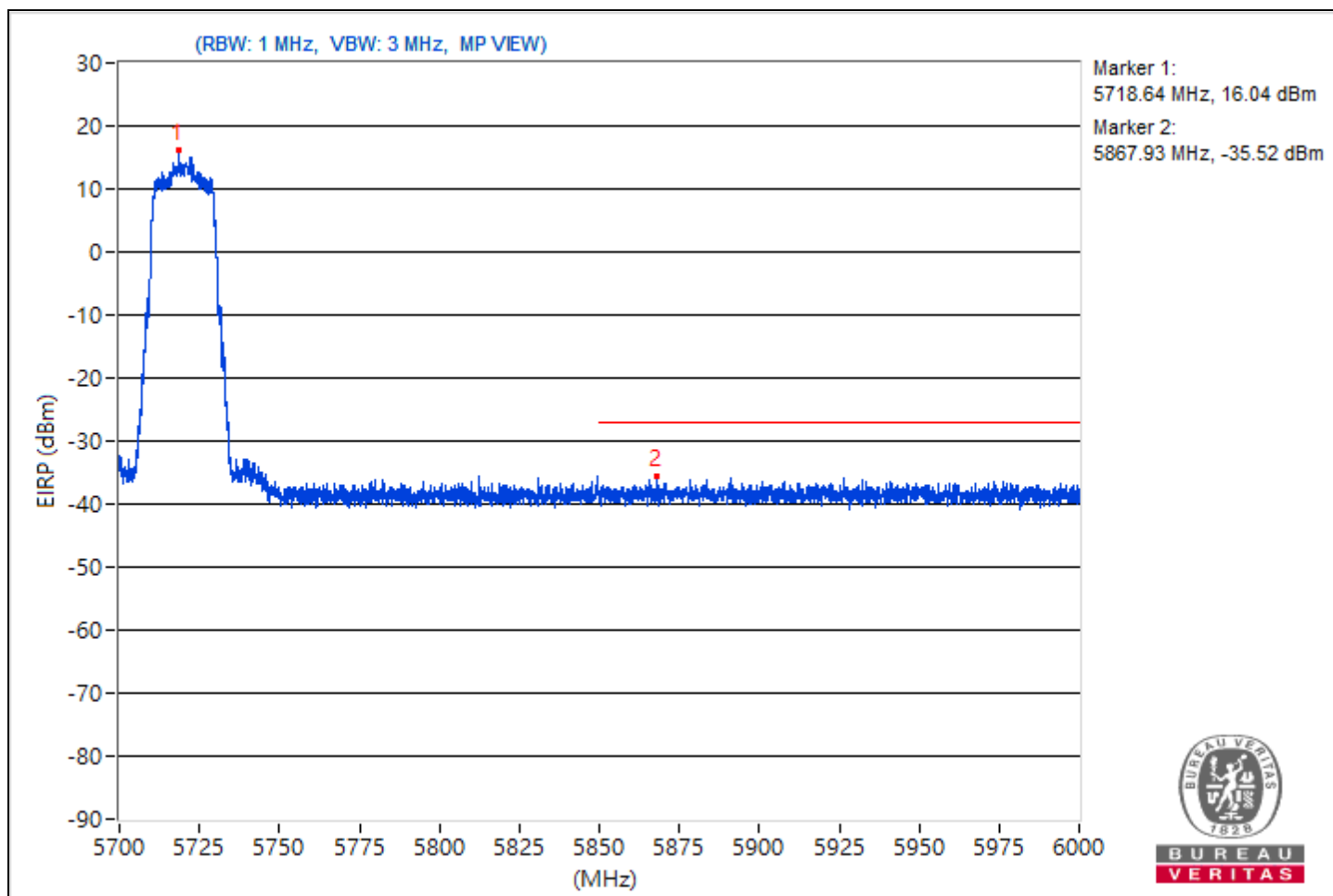


RF Mode	802.11be (EHT20)	Channel	CH 144 : 5720 MHz
Frequency Range	5.7 GHz ~ 6 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5718.64	111.3			6.89	2.42	7.82	16.04
2	#5867.93	59.74	68.26	-8.52	-49.56	-44.53	7.82	-35.52

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.

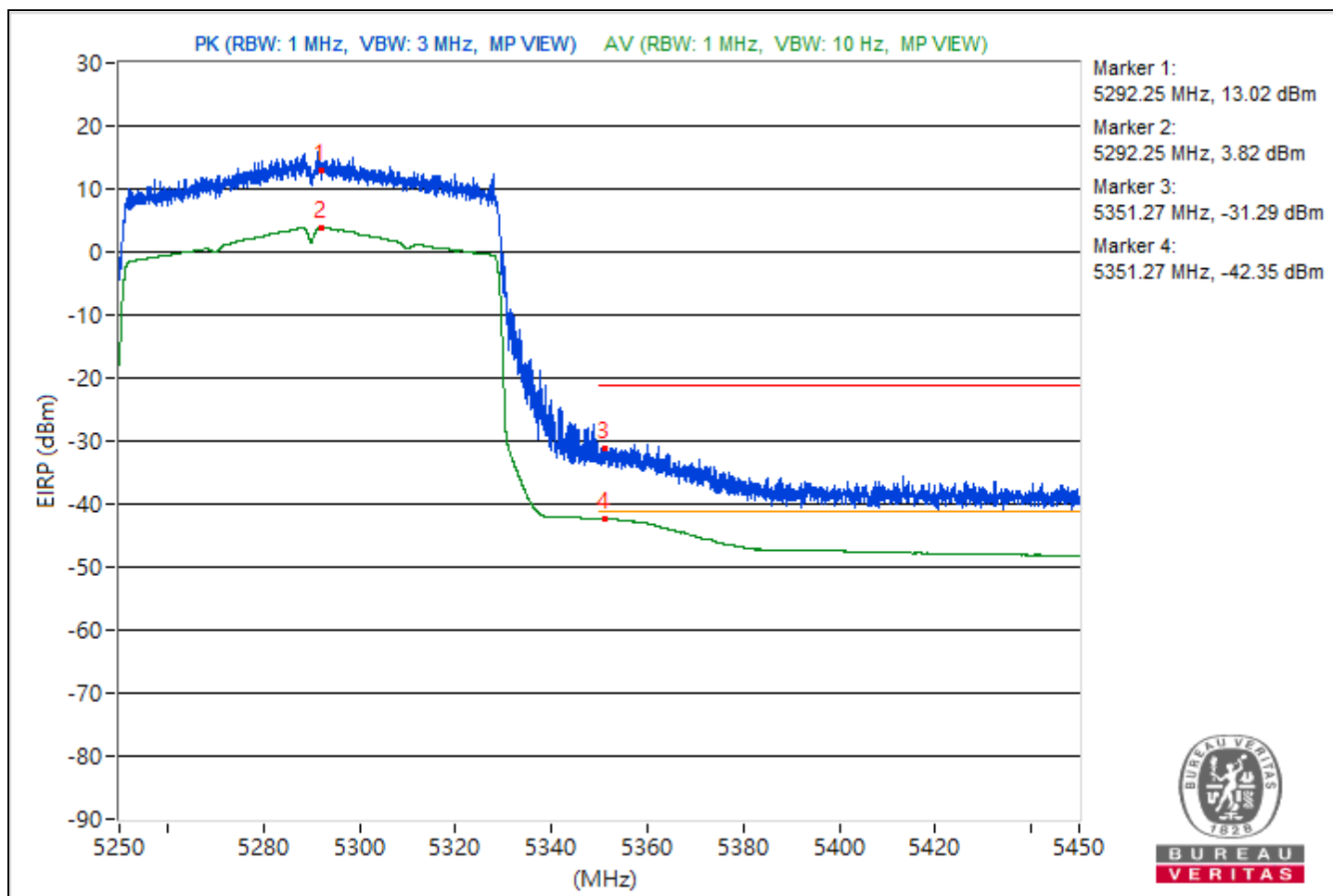


RF Mode	802.11be (EHT80)	Channel	CH 58 : 5290 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5292.25	108.28 PK			1.73	3.22	7.47	13.02
2	*5292.25	99.08 AV			-6.64	-6.69	7.47	3.82
3	5351.27	63.97 PK	74	-10.03	-41.93	-41.63	7.47	-31.29
4	5351.27	52.91 AV	54	-1.09	-52.41	-53.3	7.47	-42.35

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

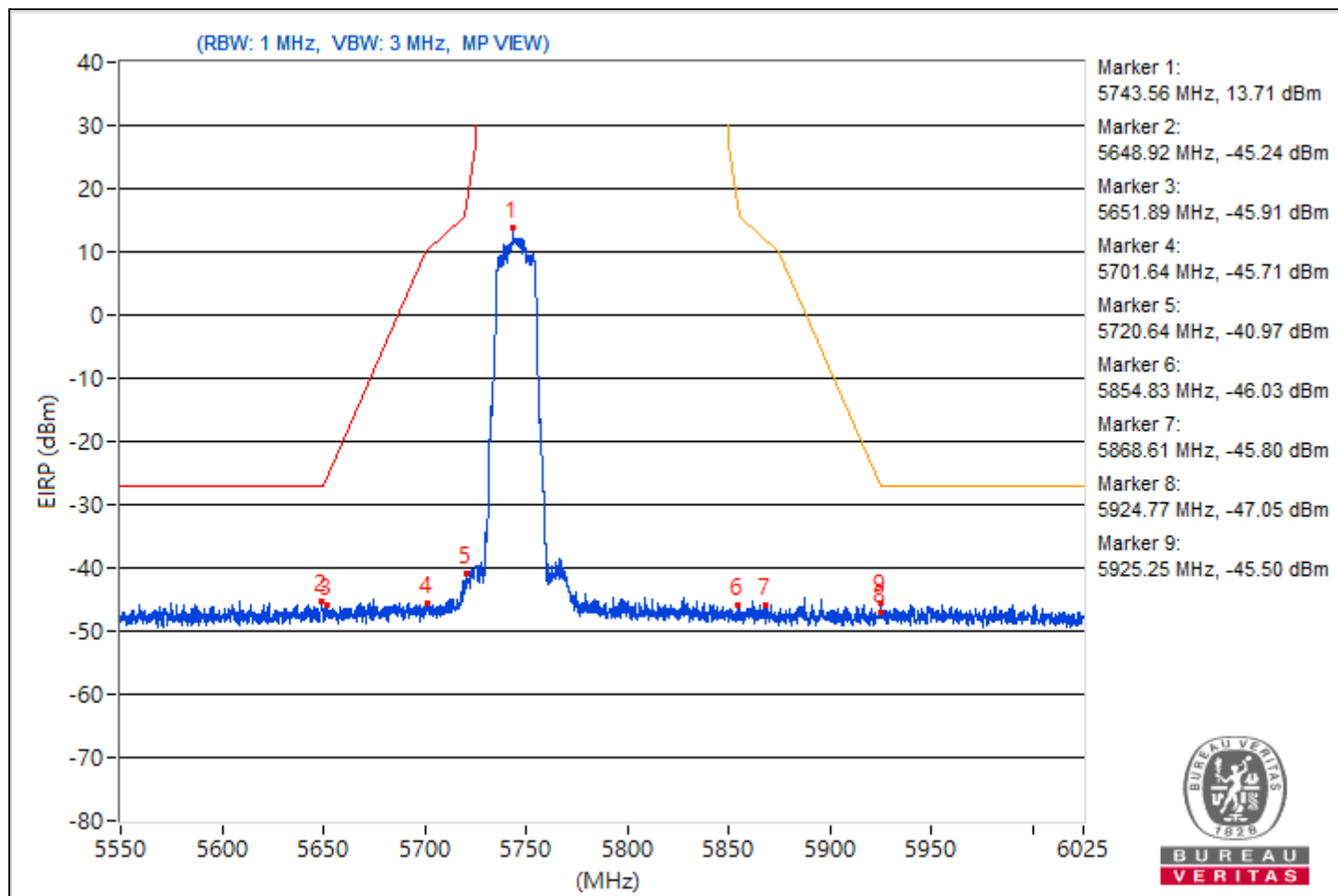


RF Mode	802.11be (EHT20) 242-tone RU	Channel	CH 149 : 5745 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5743.56	108.97			4.82	-0.34	7.73	13.71
2	#5648.92	50.02	68.26	-18.24	-57.07	-55.11	7.73	-45.24
3	#5651.89	49.35	69.66	-20.31	-55.6	-58.04	7.73	-45.91
4	#5701.64	49.55	105.72	-56.17	-55.22	-58.18	7.73	-45.71
5	#5720.64	54.29	112.33	-58.04	-51.15	-52.35	7.73	-40.97
6	#5854.83	49.23	111.24	-62.01	-58.84	-55.37	7.73	-46.03
7	#5868.61	49.46	107.05	-57.59	-55.62	-57.71	7.73	-45.8
8	#5924.77	48.21	68.43	-20.22	-58.08	-57.51	7.73	-47.05
9	#5925.25	49.76	68.26	-18.5	-58.15	-54.92	7.73	-45.5

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.

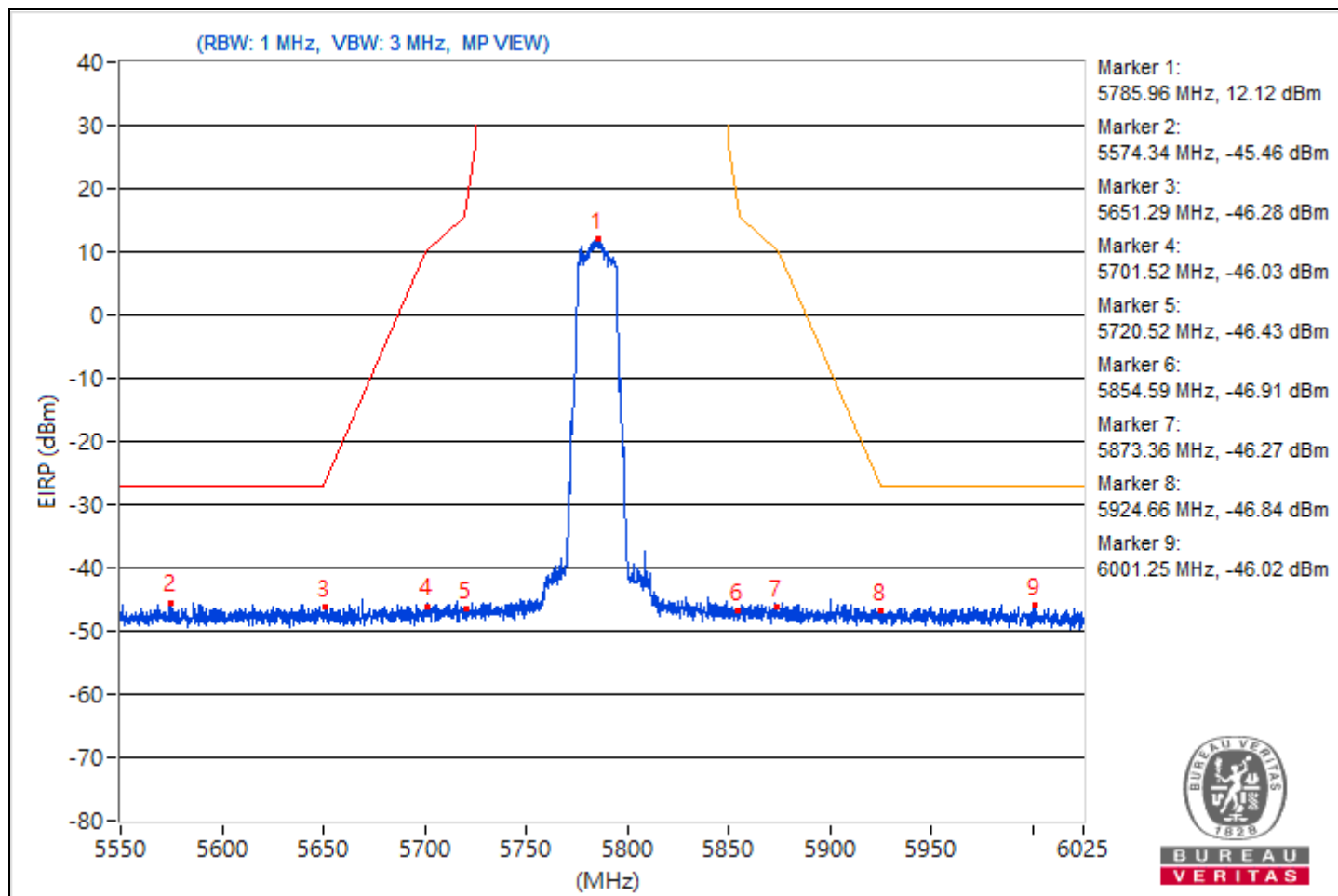


RF Mode	802.11be (EHT20) 242-tone RU	Channel	CH 157 : 5785 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5785.96	107.38			1.7	1.04	7.73	12.12
2	#5574.34	49.8	68.26	-18.46	-57.28	-55.34	7.73	-45.46
3	#5651.29	48.98	69.22	-20.24	-57.34	-56.72	7.73	-46.28
4	#5701.52	49.23	105.69	-56.46	-55.07	-59.6	7.73	-46.03
5	#5720.52	48.83	112.06	-63.23	-56.26	-58.33	7.73	-46.43
6	#5854.59	48.35	111.79	-63.44	-58.04	-57.29	7.73	-46.91
7	#5873.36	48.99	105.72	-56.73	-58.51	-55.9	7.73	-46.27
8	#5924.66	48.42	68.51	-20.09	-56.76	-58.59	7.73	-46.84
9	#6001.25	49.24	68.26	-19.02	-59.41	-55.13	7.73	-46.02

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.

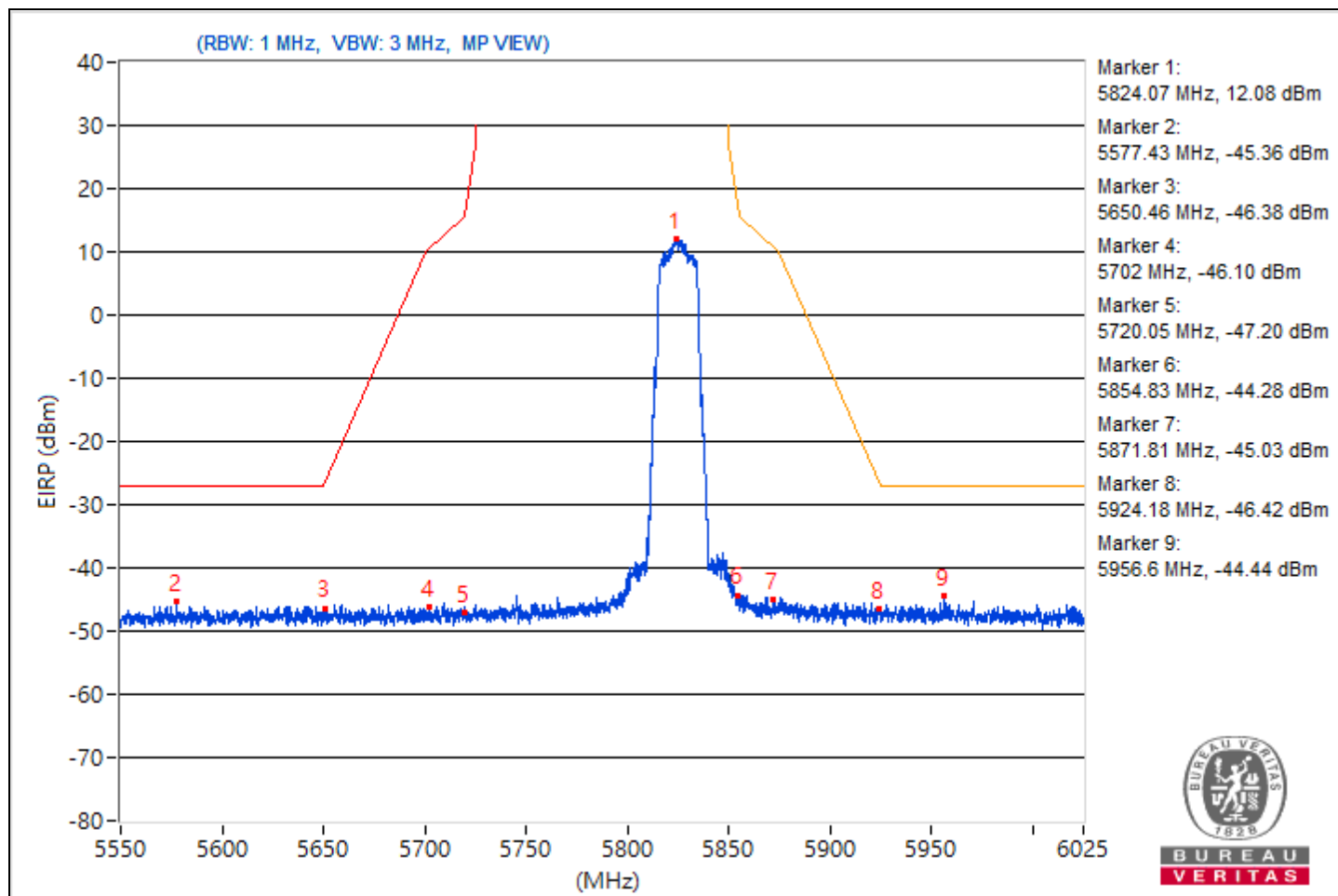


RF Mode	802.11be (EHT20) 242-tone RU	Channel	CH 165 : 5825 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5824.07	107.34			1.84	0.77	7.73	12.08
2	#5577.43	49.9	68.26	-18.36	-57.1	-55.29	7.73	-45.36
3	#5650.46	48.88	68.6	-19.72	-56.95	-57.3	7.73	-46.38
4	#5702	49.16	105.82	-56.66	-55.54	-58.7	7.73	-46.1
5	#5720.05	48.06	110.97	-62.91	-59.02	-57.07	7.73	-47.2
6	#5854.83	50.98	111.24	-60.26	-55.42	-54.66	7.73	-44.28
7	#5871.81	50.23	106.15	-55.92	-56.72	-55	7.73	-45.03
8	#5924.18	48.84	68.87	-20.03	-58.42	-56.19	7.73	-46.42
9	#5956.6	50.82	68.26	-17.44	-53.69	-57.48	7.73	-44.44

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.

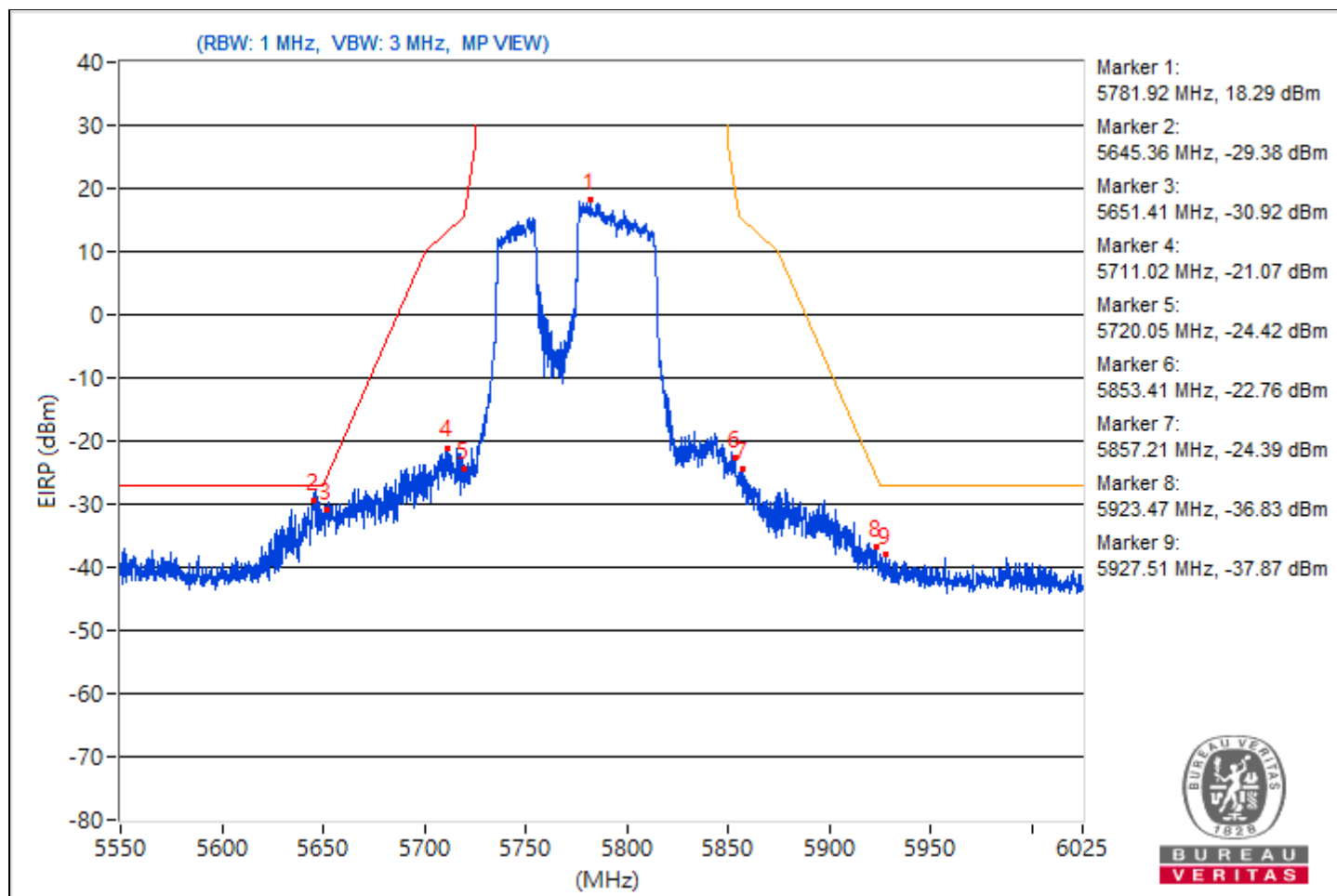


RF Mode	802.11be (EHT80) 484+242-tone MRU	Channel	CH 155 : 5775 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Environmental Conditions	21°C, 68% RH
Tested By	Kevin Ko		

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5781.92	113.55			9.39	4.29	7.73	18.29
2	#5645.36	65.88	68.26	-2.38	-45.11	-37.86	7.73	-29.38
3	#5651.41	64.34	69.31	-4.97	-45.94	-39.55	7.73	-30.92
4	#5711.02	74.19	108.35	-34.16	-30.89	-32.99	7.73	-21.07
5	#5720.05	70.84	110.97	-40.13	-37.08	-33.84	7.73	-24.42
6	#5853.41	72.5	114.49	-41.99	-33.99	-33.07	7.73	-22.76
7	#5857.21	70.87	110.24	-39.37	-35.16	-35.1	7.73	-24.39
8	#5923.47	58.43	69.39	-10.96	-46.83	-48.48	7.73	-36.83
9	#5927.51	57.39	68.26	-10.87	-54.07	-46.27	7.73	-37.87

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.



Mode B

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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	#10360.00	53.4 PK	68.2	-14.8	1.21 H	113	38.9	14.5
2	15540.00	51.8 PK	74.0	-22.2	1.21 H	74	35.1	16.7
3	15540.00	41.4 AV	54.0	-12.6	1.21 H	74	24.7	16.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10360.00	52.2 PK	68.2	-16.0	1.29 V	124	37.7	14.5
2	15540.00	50.8 PK	74.0	-23.2	1.64 V	113	34.1	16.7
3	15540.00	40.2 AV	54.0	-13.8	1.64 V	113	23.5	16.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": 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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	#10400.00	53.1 PK	68.2	-15.1	1.22 H	128	38.6	14.5
2	15600.00	51.7 PK	74.0	-22.3	1.21 H	82	34.9	16.8
3	15600.00	41.2 AV	54.0	-12.8	1.21 H	82	24.4	16.8
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	#10400.00	52.3 PK	68.2	-15.9	1.34 V	134	37.8	14.5
2	15600.00	50.9 PK	74.0	-23.1	1.68 V	125	34.1	16.8
3	15600.00	40.9 AV	54.0	-13.1	1.68 V	125	24.1	16.8

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. " # ": 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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	#10480.00	53.7 PK	68.2	-14.5	1.21 H	120	39.0	14.7
2	15720.00	51.9 PK	74.0	-22.1	1.27 H	94	35.4	16.5
3	15720.00	41.6 AV	54.0	-12.4	1.27 H	94	25.1	16.5
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	#10480.00	52.6 PK	68.2	-15.6	1.33 V	122	37.9	14.7
2	15720.00	51.1 PK	74.0	-22.9	1.66 V	133	34.6	16.5
3	15720.00	40.7 AV	54.0	-13.3	1.66 V	133	24.2	16.5

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. " # ": 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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	#10520.00	53.3 PK	68.2	-14.9	1.21 H	124	38.5	14.8
2	15780.00	52.1 PK	74.0	-21.9	1.30 H	90	35.7	16.4
3	15780.00	41.7 AV	54.0	-12.3	1.30 H	90	25.3	16.4
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	#10520.00	52.4 PK	68.2	-15.8	1.32 V	117	37.6	14.8
2	15780.00	50.6 PK	74.0	-23.4	1.71 V	140	34.2	16.4
3	15780.00	40.3 AV	54.0	-13.7	1.71 V	140	23.9	16.4

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. " # ": 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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	10600.00	53.6 PK	74.0	-20.4	1.19 H	110	38.7	14.9
2	10600.00	42.7 AV	54.0	-11.3	1.19 H	110	27.8	14.9
3	15900.00	51.9 PK	74.0	-22.1	1.32 H	82	35.3	16.6
4	15900.00	41.3 AV	54.0	-12.7	1.32 H	82	24.7	16.6
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	10600.00	52.2 PK	74.0	-21.8	1.26 V	114	37.3	14.9
2	10600.00	41.4 AV	54.0	-12.6	1.26 V	114	26.5	14.9
3	15900.00	50.8 PK	74.0	-23.2	1.71 V	129	34.2	16.6
4	15900.00	40.6 AV	54.0	-13.4	1.71 V	129	24.0	16.6

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.

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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	10640.00	53.7 PK	74.0	-20.3	1.16 H	114	38.7	15.0
2	10640.00	42.5 AV	54.0	-11.5	1.16 H	114	27.5	15.0
3	15960.00	52.6 PK	74.0	-21.4	1.32 H	91	36.2	16.4
4	15960.00	41.7 AV	54.0	-12.3	1.32 H	91	25.3	16.4
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	10640.00	52.1 PK	74.0	-21.9	1.27 V	128	37.1	15.0
2	10640.00	41.3 AV	54.0	-12.7	1.27 V	128	26.3	15.0
3	15960.00	50.7 PK	74.0	-23.3	1.74 V	139	34.3	16.4
4	15960.00	40.3 AV	54.0	-13.7	1.74 V	139	23.9	16.4

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.

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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	11000.00	53.9 PK	74.0	-20.1	1.18 H	116	37.6	16.3
2	11000.00	42.9 AV	54.0	-11.1	1.18 H	116	26.6	16.3
3	#16500.00	56.1 PK	68.2	-12.1	1.31 H	83	36.6	19.5
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	11000.00	52.6 PK	74.0	-21.4	1.28 V	126	36.3	16.3
2	11000.00	41.7 AV	54.0	-12.3	1.28 V	126	25.4	16.3
3	#16500.00	55.9 PK	68.2	-12.3	1.77 V	129	36.4	19.5

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. " # ": 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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	11160.00	53.4 PK	74.0	-20.6	1.16 H	113	37.4	16.0
2	11160.00	42.3 AV	54.0	-11.7	1.16 H	113	26.3	16.0
3	#16740.00	56.6 PK	68.2	-11.6	1.35 H	80	35.5	21.1
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	11160.00	52.6 PK	74.0	-21.4	1.28 V	124	36.6	16.0
2	11160.00	41.8 AV	54.0	-12.2	1.28 V	124	25.8	16.0
3	#16740.00	55.7 PK	68.2	-12.5	1.79 V	125	34.6	21.1

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. " # ": The radiated frequency is out of the restricted band.

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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	11400.00	53.8 PK	74.0	-20.2	1.16 H	115	37.9	15.9
2	11400.00	42.6 AV	54.0	-11.4	1.16 H	115	26.7	15.9
3	#17100.00	56.3 PK	68.2	-11.9	1.29 H	70	35.5	20.8
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	11400.00	52.9 PK	74.0	-21.1	1.31 V	129	37.0	15.9
2	11400.00	41.9 AV	54.0	-12.1	1.31 V	129	26.0	15.9
3	#17100.00	55.5 PK	68.2	-12.7	1.83 V	133	34.7	20.8

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. " # ": 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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	11440.00	53.8 PK	74.0	-20.2	1.18 H	122	37.8	16.0
2	11440.00	42.7 AV	54.0	-11.3	1.18 H	122	26.7	16.0
3	#17160.00	56.7 PK	68.2	-11.5	1.31 H	83	35.8	20.9
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	11440.00	52.6 PK	74.0	-21.4	1.29 V	114	36.6	16.0
2	11440.00	41.6 AV	54.0	-12.4	1.29 V	114	25.6	16.0
3	#17160.00	55.3 PK	68.2	-12.9	1.80 V	144	34.4	20.9

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. " # ": 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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	#10580.00	53.5 PK	68.2	-14.7	1.15 H	114	38.7	14.8
2	15870.00	52.7 PK	74.0	-21.3	1.27 H	95	36.2	16.5
3	15870.00	41.4 AV	54.0	-12.6	1.27 H	95	24.9	16.5
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	#10580.00	52.3 PK	68.2	-15.9	1.29 V	126	37.5	14.8
2	15870.00	51.2 PK	74.0	-22.8	1.82 V	146	34.7	16.5
3	15870.00	40.8 AV	54.0	-13.2	1.82 V	146	24.3	16.5

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. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU242)	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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	11490.00	53.2 PK	74.0	-20.8	1.24 H	109	37.0	16.2
2	11490.00	42.1 AV	54.0	-11.9	1.24 H	109	25.9	16.2
3	#17235.00	56.9 PK	68.2	-11.3	1.16 H	78	35.9	21.0
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	11490.00	51.9 PK	74.0	-22.1	1.28 V	115	35.7	16.2
2	11490.00	41.3 AV	54.0	-12.7	1.28 V	115	25.1	16.2
3	#17235.00	55.3 PK	68.2	-12.9	1.60 V	115	34.3	21.0

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. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU242)	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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	11570.00	53.3 PK	74.0	-20.7	1.20 H	112	37.5	15.8
2	11570.00	42.6 AV	54.0	-11.4	1.20 H	112	26.8	15.8
3	#17355.00	56.7 PK	68.2	-11.5	1.17 H	58	34.9	21.8
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	11570.00	51.7 PK	74.0	-22.3	1.23 V	117	35.9	15.8
2	11570.00	41.3 AV	54.0	-12.7	1.23 V	117	25.5	15.8
3	#17355.00	55.6 PK	68.2	-12.6	1.56 V	100	33.8	21.8

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. " # ": The radiated frequency is out of the restricted band.

RF Mode	20 MHz Preamble 802.11ax (RU242)	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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	11650.00	53.3 PK	74.0	-20.7	1.24 H	101	37.5	15.8
2	11650.00	42.4 AV	54.0	-11.6	1.24 H	101	26.6	15.8
3	#17475.00	56.4 PK	68.2	-11.8	1.22 H	69	33.9	22.5
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	11650.00	52.2 PK	74.0	-21.8	1.25 V	127	36.4	15.8
2	11650.00	41.5 AV	54.0	-12.5	1.25 V	127	25.7	15.8
3	#17475.00	55.5 PK	68.2	-12.7	1.58 V	115	33.0	22.5

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. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11be (EHT80) 484+242-tone MRU	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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	11550.00	54.2 PK	74.0	-19.8	1.13 H	138	38.3	15.9
2	11550.00	42.7 AV	54.0	-11.3	1.13 H	138	26.8	15.9
3	#17325.00	56.3 PK	68.2	-11.9	1.32 H	73	34.8	21.5
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	11550.00	52.9 PK	74.0	-21.1	1.26 V	111	37.0	15.9
2	11550.00	41.9 AV	54.0	-12.1	1.26 V	111	26.0	15.9
3	#17325.00	55.5 PK	68.2	-12.7	1.79 V	153	34.0	21.5

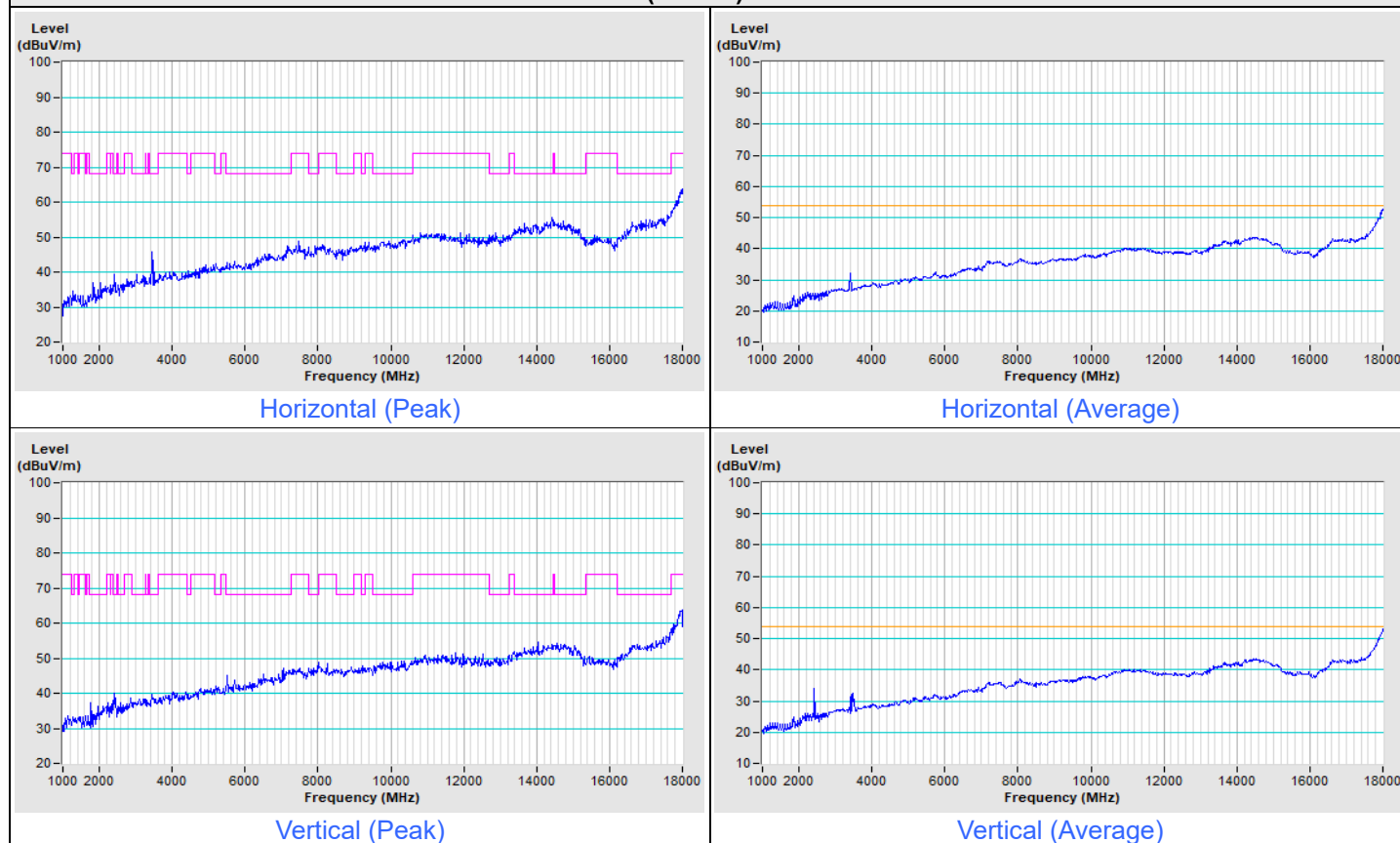
Remarks:

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. " # ": The radiated frequency is out of the restricted band.

Plot of Other Emission

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
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802.11be (EHT20) Channel 52

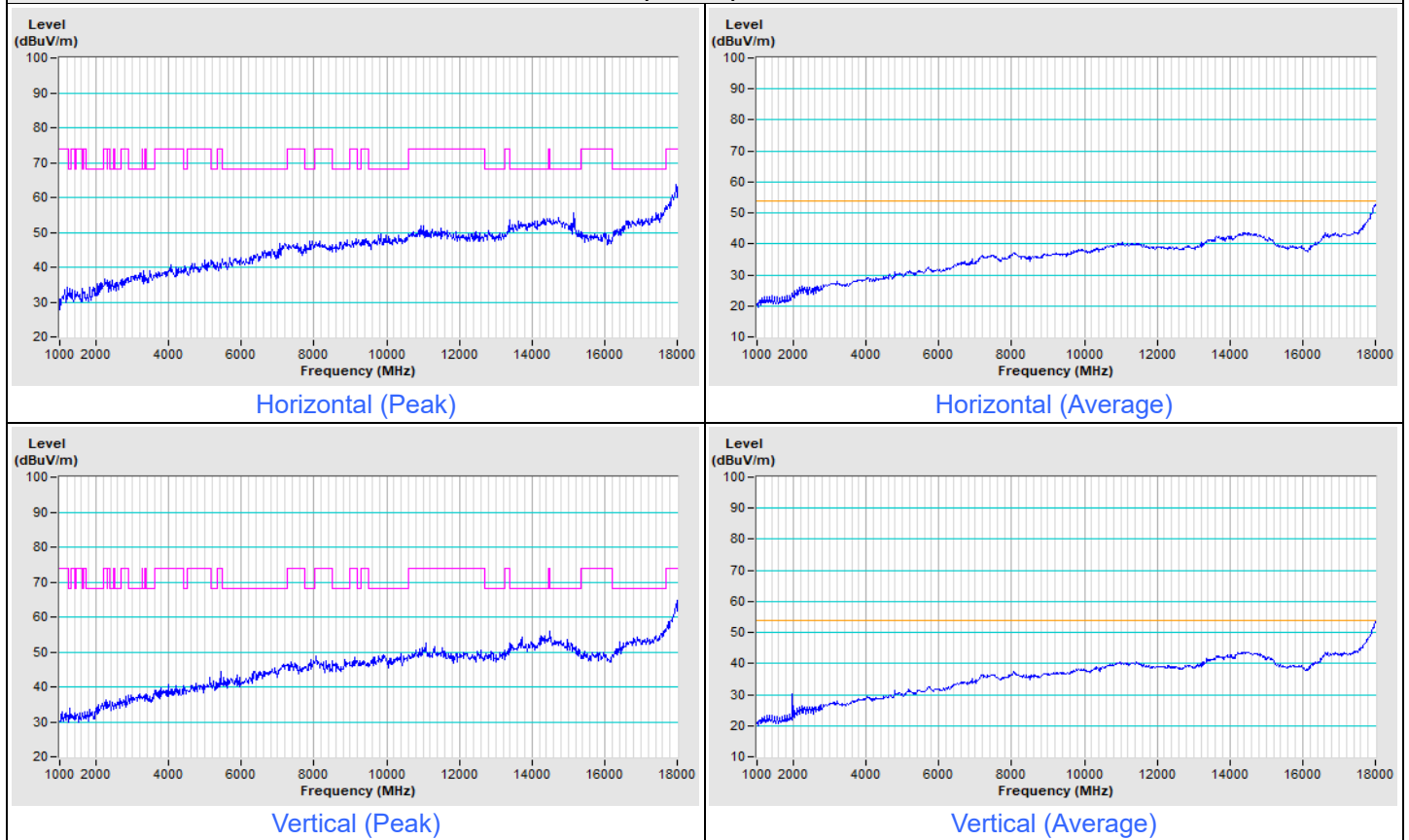


Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
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802.11be (EHT80) Channel 58

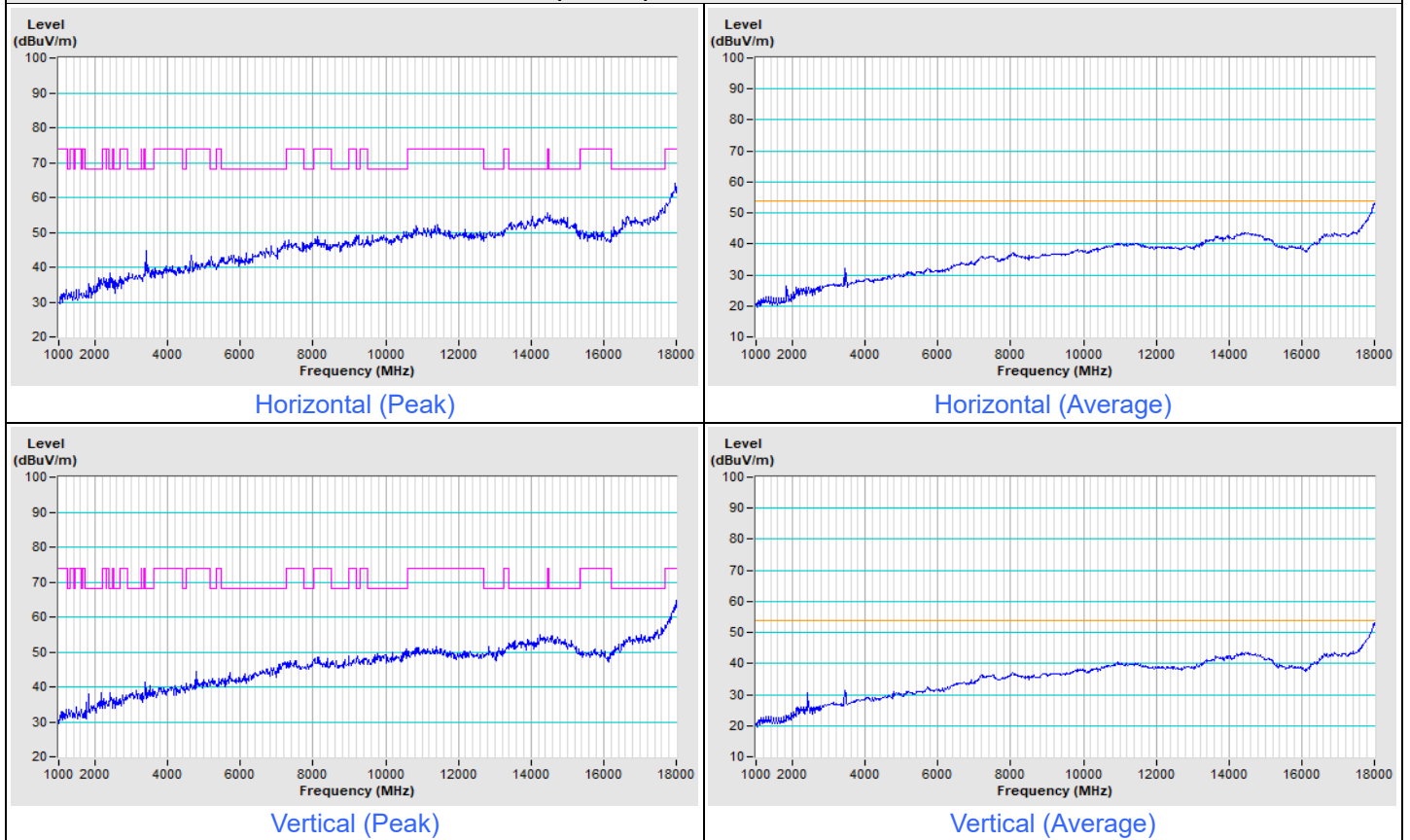


Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
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802.11be (EHT20) 242-tone RU Channel 149

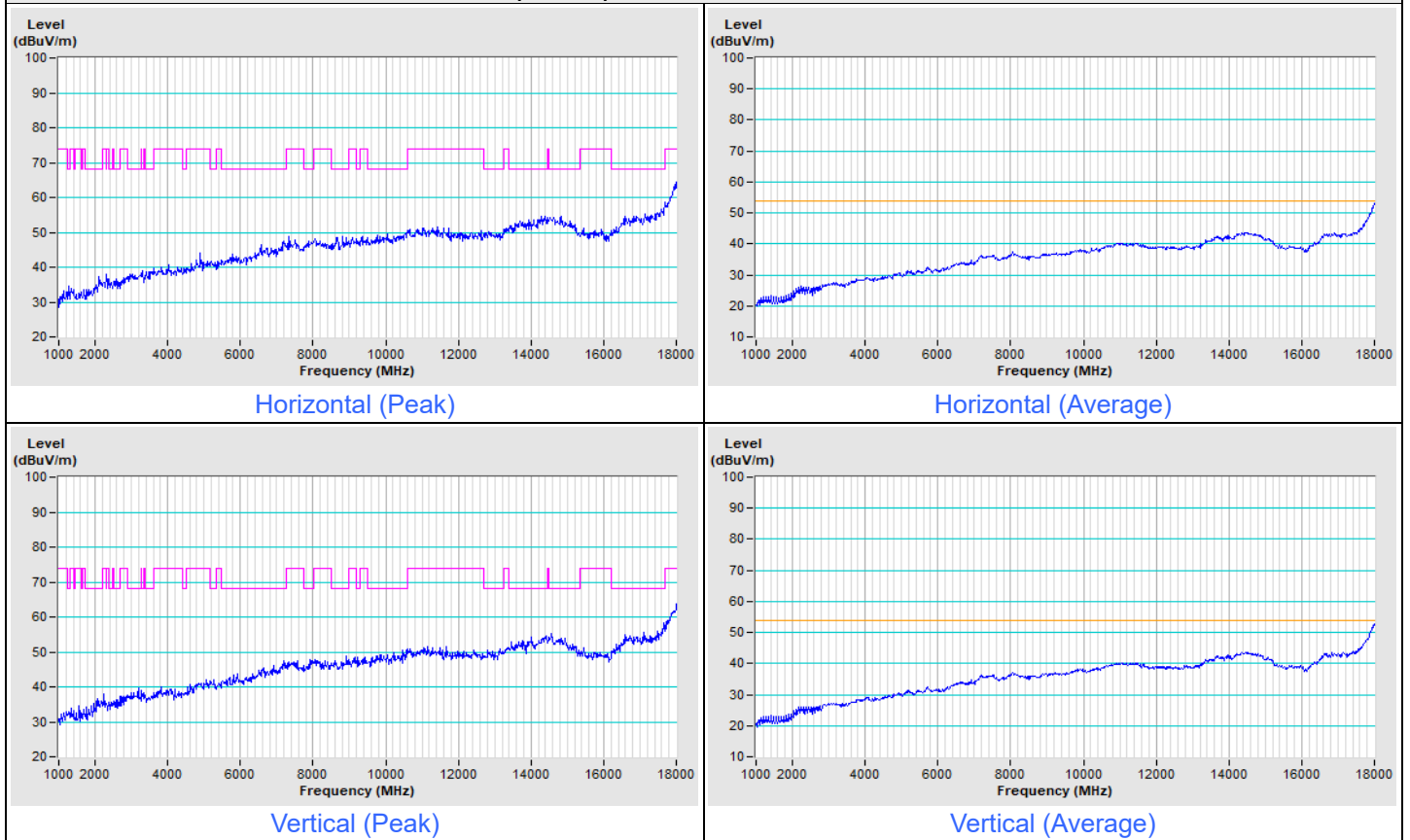


Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
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802.11be (EHT80) 484+242-tone MRU Channel 155



Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

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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