

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBENL-WTW-P24060709A-6

FCC ID: RYK-290BEBT

Product: WiFi 7/BT module

Brand: Sparklan

Model No.: WNFQ-290BE(BT), WNFQ-293BE(BT)

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

Received Date: 2025/5/14

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

Issued Date: 2025/12/17

Applicant: SparkLAN Communications, Inc.

Address: 5F, No. 199, Ruihu St., Neihu Dist., Taipei City 114067, Taiwan, R.O.C

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory

Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan

Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan

FCC Registration / 723255 / TW2022

Designation Number:

Approved by: _____, Date: 2025/12/17
May Chen / Manager

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Prepared by : Phoenix Huang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBENL-WTW-P24060709A-6	Original release.	2025/12/17

1 Certificate

Product: WiFi 7/BT module

Brand: Sparklan

Test Model: WNFQ-290BE(BT), WNFQ-293BE(BT)

Series Model: WNSQ-290BE(BT), WNSQ-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 ANSI C63.10-2020

procedure:

KDB 987594 D02 U-NII 6 GHz EMC Measurement v03

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)(7) 15.407(a)(8)	Maximum RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(7) 15.407(a)(8)	Maximum Power Spectral Density	N/A	Refer to Note 1 below
15.407(a)(11)	Emission 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 -10.89 dB at 0.15092 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -2.1 dB at 199.54 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.18 dB at 5924.99 MHz
15.407(b)(7)	In-Band Emission Mask	N/A	Refer to Note 1 below
15.407(d)(6)	Contention-based Protocol	N/A	Refer to Note 1 below
15.407(a)(7)	APC (Automatic Power Control) and Proper Power Adjustment	N/A	Refer to Note 1, 2 below
15.203	Antenna Requirement	Pass	Antenna connector is MHF 4L, I-PEX MHF4, RP-SMA (M), MHF4L to SMA-F not a standard connector.

Note:

- Only Maximum 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-P23020421-4 R4).
- Since the original FCC ID J9C-QCNCM865 has already declared compliance with regulatory requirements, and this change does not impact the operation of these two mechanisms built into the module. This is why we are only re-evaluating and confirming compliance with regulations for certain items this time.
- 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) (±)
Maximum 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	WNFQ-290BE(BT), WNFQ-293BE(BT)
Series Model	WNSQ-290BE(BT), WNSQ-293BE(BT)
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 4096QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11ax: up to 2969.7 Mbps 802.11be: up to 5764.7 Mbps
Operating Frequency	5.935 GHz ~ 6.415 GHz 6.435 GHz ~ 6.525 GHz 6.535 GHz ~ 6.865 GHz 6.875 GHz ~ 7.115 GHz
Number of Channel	802.11a, 802.11ax (HE20), 802.11be (EHT20): 60 802.11ax (HE40), 802.11be (EHT40): 29 802.11ax (HE80), 802.11be (EHT80): 14 802.11ax (HE160), 802.11be (EHT160): 7 802.11be (EHT320): 6
Resource Unit (RU)	Single RU: 26-tone, 52-tone, 106-tone, 242-tone, 484-tone, 996-tone, 2 * 996-tone, 4 * 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, 996-tone + 484-tone + 242-tone, 2 * 996-tone + 484-tone, 3 * 996-tone, 3 * 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, 320 MHz punctured by 40 MHz, 320 MHz punctured by 80 MHz, 320 MHz punctured by 80+40 MHz
Output Power	(under control of low power indoor AP) 5.935 GHz ~ 6.415 GHz: EIRP: 139.636 mW (21.45 dBm) 6.435 GHz ~ 6.525 GHz: EIRP: 132.435 mW (21.22 dBm) 6.535 GHz ~ 6.865 GHz: EIRP: 143.22 mW (21.56 dBm) 6.875 GHz ~ 7.115 GHz: EIRP: 127.938 mW (21.07 dBm) (under control of standard power AP) 5.935 GHz ~ 6.415 GHz: EIRP: 304.419 mW (24.83 dBm) 6.535 GHz ~ 6.855 GHz: EIRP: 303.167 mW (24.82 dBm)
Equipment Class	6CD: 15E 6 GHz Dual client

Note:

1. 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-P23020421-4 R4)
 - ◆ 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.
2. According to above conditions, there are Maximum RF Output Power, AC Power Conducted Emissions and Unwanted Emissions test items need to be performed. All data for meeting the requirement is verified.
3. 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: WNFQ-290BE(BT), WNFQ-293BE(BT) was selected as representative model for the test and its data was recorded in this report.

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

6. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.
7. 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.

2. 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:

6 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX / 1TX	2RX
802.11ax (HE20)	2TX / 1TX	2RX
802.11ax (HE40)	2TX / 1TX	2RX
802.11ax (HE80)	2TX / 1TX	2RX
802.11ax (HE160)	2TX / 1TX	2RX
802.11be (EHT20)	2TX / 1TX	2RX
802.11be (EHT40)	2TX / 1TX	2RX
802.11be (EHT80)	2TX / 1TX	2RX
802.11be (EHT160)	2TX / 1TX	2RX
802.11be (EHT320)	2TX / 1TX	2RX
802.11ax (RU26/52/106/242/484/996/2*996)	2TX / 1TX	2RX
802.11be (RU26/52/106/242/484/996/2*996/4*996/ MRU52+26/106+26/484+242/996+484 996+484+242/ 2*996+484/3*996/3*996+484)	2TX / 1TX	2RX

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

3.3 Channel List

U-NII-5:

25 channels are provided for 802.11a, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
2	5935 MHz	1	5955 MHz	5	5975 MHz	9	5995 MHz
13	6015 MHz	17	6035 MHz	21	6055 MHz	25	6075 MHz
29	6095 MHz	33	6115 MHz	37	6135 MHz	41	6155 MHz
45	6175 MHz	49	6195 MHz	53	6215 MHz	57	6235 MHz
61	6255 MHz	65	6275 MHz	69	6295 MHz	73	6315 MHz
77	6335 MHz	81	6355 MHz	85	6375 MHz	89	6395 MHz
93	6415 MHz						

12 channels are provided for 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
3	5965 MHz	11	6005 MHz	19	6045 MHz	27	6085 MHz
35	6125 MHz	43	6165 MHz	51	6205 MHz	59	6245 MHz
67	6285 MHz	75	6325 MHz	83	6365 MHz	91	6405 MHz

6 channels are provided for 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
7	5985 MHz	23	6065 MHz	39	6145 MHz	55	6225 MHz
71	6305 MHz	87	6385 MHz				

3 channels are provided for 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency	Channel	Frequency	Channel	Frequency
15	6025 MHz	47	6185 MHz	79	6345 MHz

2 channels are provided for 802.11be (EHT320):

Channel	Frequency	Channel	Frequency
31	6105 MHz	63	6265 MHz

U-NII-6: (under control of a low-power indoor access point only)

5 channels are provided for 802.11a, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
97	6435 MHz	101	6455 MHz	105	6475 MHz	109	6495 MHz
113	6515 MHz						

3 channels are provided for 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency	Channel	Frequency
99	6445 MHz	107	6485 MHz	*115	6525 MHz

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

Channel	Frequency
103	6465 MHz

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

Channel	Frequency
*111	6505 MHz

1 channel is provided for 802.11be (EHT320):

Channel	Frequency
*95	6425 MHz

U-NII-7:

17 channels are provided for 802.11a, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
117	6535 MHz	121	6555 MHz	125	6575 MHz	129	6595 MHz
133	6615 MHz	137	6635 MHz	141	6655 MHz	145	6675 MHz
149	6695 MHz	153	6715 MHz	157	6735 MHz	161	6755 MHz
165	6775 MHz	169	6795 MHz	173	6815 MHz	177	6835 MHz
181	6855 MHz						

8 channels are provided for 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
123	6565 MHz	131	6605 MHz	139	6645 MHz	147	6685 MHz
155	6725 MHz	163	6765 MHz	171	6805 MHz	179	6845 MHz

5 channels are provided for 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
*119	6545 MHz	135	6625 MHz	151	6705 MHz	167	6785 MHz
*183	6865 MHz						

2 channels are provided for 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency	Channel	Frequency
143	6665 MHz	*175	6825 MHz

2 channels are provided for 802.11be (EHT320):

Channel	Frequency	Channel	Frequency
*127	6585 MHz	*159	6745 MHz

U-NII-8: (under control of a low-power indoor access point only)

13 channels are provided for 802.11a, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
*185	6875 MHz	189	6895 MHz	193	6915 MHz	197	6935 MHz
201	6955 MHz	205	6975 MHz	209	6995 MHz	213	7015 MHz
217	7035 MHz	221	7055 MHz	225	7075 MHz	229	7095 MHz
233	7115 MHz						

6 channels are provided for 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
*187	6885 MHz	195	6925 MHz	203	6965 MHz	211	7005 MHz
219	7045 MHz	227	7085 MHz				

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

Channel	Frequency	Channel	Frequency
199	6945 MHz	215	7025 MHz

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

Channel	Frequency
207	6985 MHz

1 channel is provided for 802.11be (EHT320):

Channel	Frequency
*191	6905 MHz

Note: * mean these are straddle channels and operating under control by under control of a low-power indoor access point only.

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.
Worst-Case:	1. The RF IC WCN7851 in the WNFQ-290BE(BT) and WNSQ-290BE(BT) models supports 320MHz bandwidth. The worst-case model is represented by the WNFQ-290BE(BT) in the report. 2. The RF ICs QCC2073 (used in WNFQ-290BE(BT) and WNSQ-290BE(BT) models) and QCC2076 (used in WNFQ-293BE(BT) and WNSQ-293BE(BT) models) are both pin-to-pin change for the WCN7851 and support only up to 160MHz bandwidth. Both QCC2073 and QCC2076 have identical design and RF characteristics so the worst-case model is represented by the WNFQ-293BE(BT) model in the report.

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

Test Item	EUT Test Models	EUT Configure Mode	Mode	Category	Signal Mode	Tx Ant.	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	WNFQ-290BE(BT), WNFQ-293BE(BT)	-	802.11a	under control of low power indoor AP	NSS1	1Tx / 2Tx	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
			802.11be (EHT20)				2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
			802.11be (EHT40)				3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
			802.11be (EHT80)				7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
			802.11be (EHT160)				15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
			802.11be (EHT320)				31, 63, 95, 127, 159, 191	BPSK	MCS0	NA
			802.11be (EHT20) 26-tone RU		NSS1	2Tx	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	0, 0, 0, 8, 0, 0, 8, 0, 0, 8, 8, 0, 8
			802.11be (EHT20) 52-tone RU				2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	37, 37, 37, 40, 37, 37, 40, 37, 37, 37, 40, 37, 40
			802.11be (EHT20) 106-tone RU				2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	53, 53, 53, 54, 53, 53, 54, 53, 53, 54, 54, 53, 54
			802.11be (EHT20) 242-tone RU				2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	61, 61, 61, 61, 61, 61, 61, 61, 61, 61, 61, 61, 61
			802.11be (EHT40) 484-tone RU				3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	65, 65, 65, 65, 65, 65, 65, 65, 65, 65, 65, 65, 65
			802.11be (EHT80) 996-tone RU				7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	67, 67, 67, 67, 67, 67, 67, 67, 67, 67, 67, 67, 67
			802.11be (EHT160) 2x996-tone RU				15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	68, 68, 68, 68, 68, 68, 68, 68, 68, 68, 68, 68, 68

Test Item	EUT Test Models	EUT Configure Mode	Mode	Category	Signal Mode	Tx Ant.	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	WNFQ-290BE(BT), WNFQ-293BE(BT)	-	802.11be (EHT20) 52+26-tone MRU	under control of low power indoor AP	NSS1	2Tx	1, 97, 181, 209	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				1, 97, 181, 209	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,
			802.11be (EHT80) 484+242-tone MRU				7, 103, 119, 215	BPSK	MCS0	UL_RU484+242_Punc20_91_MCS0 UL_RU484+242_Punc20_91_MCS0 UL_RU484+242_Punc20_91_MCS0 UL_RU484+242_Punc20_91_MCS0
			802.11be (EHT160) 996+484-tone MRU				15, 111, 143, 207	BPSK	MCS0	UL_RU996+484_Punc40_MCS0 UL_RU996+484_Punc40_MCS0 UL_RU996+484_Punc40_MCS0 UL_RU996+484_Punc40_MCS0
			802.11be (EHT320) 2x996+484-tone MRU				31, 127, 191	BPSK	MCS0	UL_RU996x2+484_Punc40_MCS0 UL_RU996x2+484_Punc40_MCS0 UL_RU996x2+484_Punc40_MCS0 UL_RU996x2+484_Punc40_MCS0

Test Item	EUT Test Models	EUT Configure Mode	Mode	Category	Signal Mode	Tx Ant.	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	WNFQ-290BE(BT), WNFQ-293BE(BT)	-	802.11be (EHT320) 3x996-tone MRU	under control of low power indoor AP	NSS1	2Tx	31, 127, 191	BPSK	MCS0	UL_RU996x3_Low_MCS0 UL_RU996x3_Low_MCS0 UL_RU996x3_Low_MCS0
			802.11be (EHT320) 3x996+484-tone MRU				31, 127, 191	BPSK	MCS0	UL_RU996x3+484_Low_MCS0 UL_RU996x3+484_Low_MCS0 UL_RU996x3+484_Punc40_MCS0
			802.11be (EHT80) Punctured by 20 MHz				7, 103, 119, 215	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				15, 111, 143, 207	BPSK	MCS0	EHT160_SU_Punct20_High EHT160_SU_Punct20_High EHT160_SU_Punct20_High EHT160_SU_Punct20_High
			802.11be (EHT160) Punctured by 40 MHz				15, 111, 143, 207	BPSK	MCS0	EHT160_SU_Punct40_Mid2 EHT160_SU_Punct40_Mid2 EHT160_SU_Punct40_Mid2 EHT160_SU_Punct40_Mid2

Test Item	EUT Test Models	EUT Configure Mode	Mode	Category	Signal Mode	Tx Ant.	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	WNFQ-290BE(BT), WNFQ-293BE(BT)	-	802.11be (EHT320) Punctured by 40 MHz	under control of low power indoor AP	NSS1	2Tx	31, 127, 191	BPSK	MCS0	EHT320_SU_Punct40_Mid2 EHT320_SU_Punct40_Mid2 EHT320_SU_Punct40_Mid2
			802.11be (EHT320) Punctured by 80 MHz				31, 127, 191	BPSK	MCS0	EHT320_SU_Punct80_Mid2 EHT320_SU_Punct80_Mid2 EHT320_SU_Punct80_Mid2
			802.11be (EHT320) Punctured by 80+40 MHz				31, 127, 191	BPSK	MCS0	EHT320_SU_Punct120_Mid EHT320_SU_Punct120_Mid EHT320_SU_Punct120_Mid
			802.11a	under control of standard power AP	NSS1	2Tx	2, 1, 45, 93, 117, 149, 181	BPSK	6Mb/s	NA
			802.11be (EHT20)				2, 1, 45, 93, 117, 149, 181	BPSK	MCS0	NA
			802.11be (EHT40)				3, 43, 91, 123, 155, 179	BPSK	MCS0	NA
			802.11be (EHT80)				7, 39, 87, 135, 151, 167	BPSK	MCS0	NA
			802.11be (EHT160)				15, 47, 79, 143	BPSK	MCS0	NA
			802.11be (EHT320)				31, 63	BPSK	MCS0	NA
			802.11be (EHT20) 26-tone RU				2, 1, 45, 93, 117, 149, 181	BPSK	MCS0	0, 0, 0, 8, 0, 0, 8
			802.11be (EHT20) 52-tone RU				2, 1, 45, 93, 117, 149, 181	BPSK	MCS0	37, 37, 37, 40, 37, 37, 40
			802.11be (EHT20) 106-tone RU				2, 1, 45, 93, 117, 149, 181	BPSK	MCS0	53, 53, 53, 54, 53, 53, 54
			802.11be (EHT20) 242-tone RU				2, 1, 45, 93, 117, 149, 181	BPSK	MCS0	61, 61, 61, 61, 61, 61, 61
			802.11be (EHT40) 484-tone RU				3, 43, 91, 123, 155, 179	BPSK	MCS0	65, 65, 65, 65, 65, 65
			802.11be (EHT80) 996-tone RU				7, 39, 87, 135, 151, 167	BPSK	MCS0	67, 67, 67, 67, 67, 67
			802.11be (EHT160) 2x996-tone RU				15, 47, 79, 143	BPSK	MCS0	68, 68, 68, 68

Test Item	EUT Test Models	EUT Configure Mode	Mode	Category	Signal Mode	Tx Ant.	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	WNFQ-290BE(BT), WNFQ-293BE(BT)	-	802.11be (EHT20) 52+26-tone MRU	under control of standard power AP	NSS1	2Tx	1, 117	BPSK	MCS0	UL_RU52+26_Low_70_MCS0, UL_RU52+26_High_72_MCS0,
			802.11be (EHT20) 106+26-tone MRU				1, 117	BPSK	MCS0	UL_RU106+26_Low_82_MCS0, UL_RU106+26_High_83_MCS0,
			802.11be (EHT80) 484+242-tone MRU				7, 135	BPSK	MCS0	UL_RU484+242_Punc20_91_MCS0, UL_RU484+242_Punc20_91_MCS0
			802.11be (EHT160) 996+484-tone MRU				15, 143	BPSK	MCS0	UL_RU996+484_Punc40_MCS0, UL_RU996+484_Punc40_MCS0
			802.11be (EHT320) 2x996+484-tone MRU				31	BPSK	MCS0	UL_RU996x2+484_Low_MCS0
			802.11be (EHT320) 3x996-tone MRU				31	BPSK	MCS0	UL_RU996x3_Low_MCS0
			802.11be (EHT320) 3x996+484-tone MRU				31	BPSK	MCS0	UL_RU996x3+484_Low_MCS0
			802.11be (EHT80) Punctured by 20 MHz				7, 135	BPSK	MCS0	EHT80_SU_Punct20_Mid2, EHT80_SU_Punct20_Mid2
			802.11be (EHT160) Punctured by 20 MHz				15, 143	BPSK	MCS0	EHT160_SU_Punct20_High, EHT160_SU_Punct20_High
			802.11be (EHT160) Punctured by 40 MHz				15, 143	BPSK	MCS0	EHT160_SU_Punct40_High, EHT160_SU_Punct40_High
Maximum RF Output Power										

Test Item	EUT Test Models	EUT Configure Mode	Mode	Category	Signal Mode	Tx Ant.	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	WNFQ-290BE(BT) , WNFQ-293BE(BT)	-	802.11be (EHT320) Punctured by 40 MHz	under control of standard power AP	NSS1	2Tx	31	BPSK	MCS0	EHT320_SU_Punct40_Mid2
			802.11be (EHT320) Punctured by 80 MHz				31	BPSK	MCS0	EHT320_SU_Punct80_Mid2
			802.11be (EHT320) Punctured by 80+40 MHz				31	BPSK	MCS0	EHT320_SU_Punct120_Mid
AC Power Conducted Emissions	WNFQ-293BE(BT)	C	802.11be (EHT20)	under control of standard power AP	NSS1	2Tx	1	BPSK	MCS0	NA
Unwanted Emissions below 1 GHz	WNFQ-293BE(BT)	A, B	802.11be (EHT20)	under control of standard power AP	NSS1	2Tx	1	BPSK	MCS0	NA
Unwanted Emissions above 1 GHz	WNFQ-293BE(BT)	A, B	802.11be (EHT20)	under control of	NSS1	1Tx	2	BPSK	MCS0	NA
			802.11be (EHT160)	low power indoor AP	NSS1	1Tx	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
			802.11be (EHT20)	under control of standard power AP	NSS1	2Tx	2, 1, 45, 93, 117, 149, 181	BPSK	MCS0	NA
			802.11be (EHT80) 484+242-tone MRU				7, 135	BPSK	MCS0	UL_RU484+242_Punc20_91_MCS0 UL_RU484+242_Punc20_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: 260-25083)								

Note:

- Only Maximum RF Output Power, Unwanted Emissions tests, AC conducted emission were performed for this addendum. Refer to original report for other test data. The others testing data refer to the original report and evaluated of the summary as following:
 - ◆ No changes are made to the module itself; this C2PC is for pin to pin QCC2076 as representative model.
 - ◆ Conducted Output power was verified to be same as original filing.
 - ◆ Since the software version remains unchanged from the original report, the Contention-Based Protocol (CBP) was not re-tested in this C2PC. The CBP mechanism was already evaluated in the original report and only supports the bandwidth reduction function.
- The tested channel was selected the worst case as mode within the each sub-band of UNII band to represent in test report.
- In the original report: For 1Tx diversity configuration the worst chain is: Chain 0

3.5 Duty Cycle of Test Signal

1Tx

802.11a: Duty cycle = 2.087 ms / 2.115 ms x 100% = 98.7%

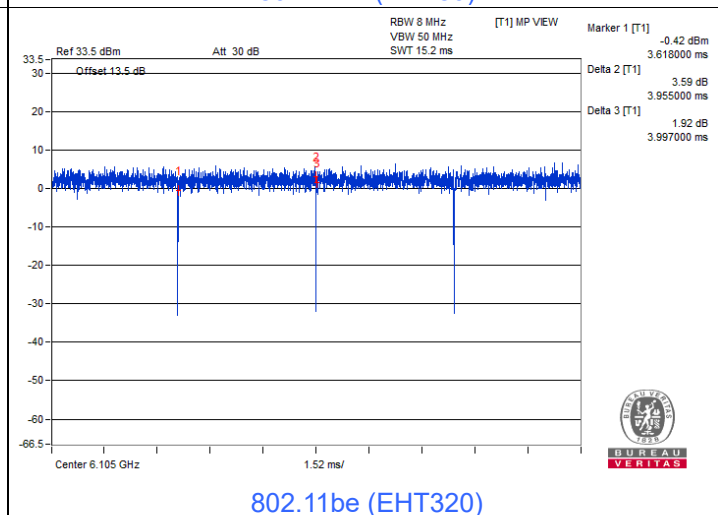
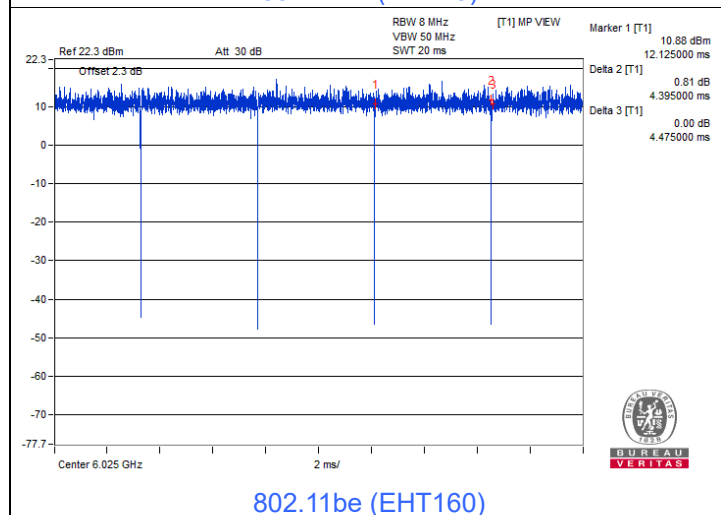
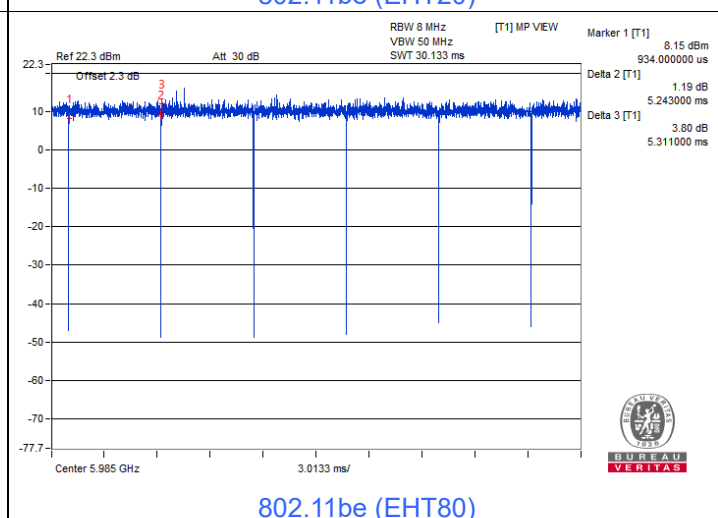
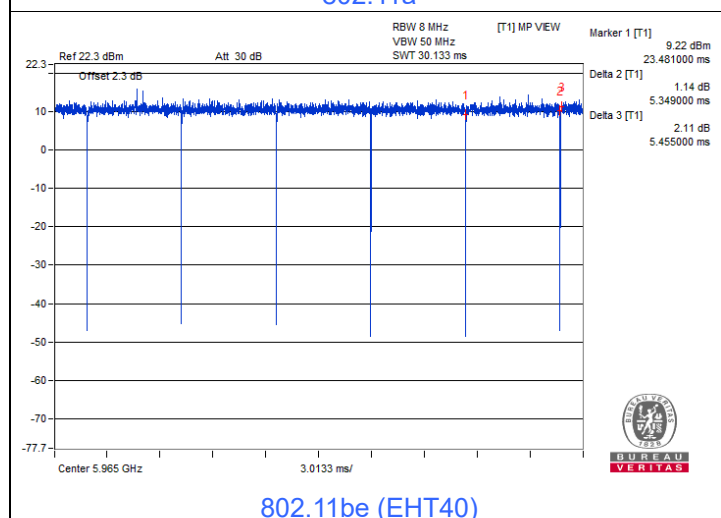
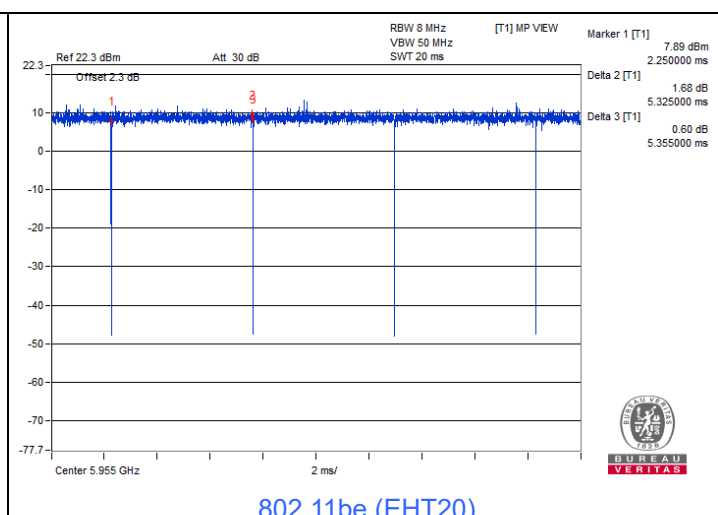
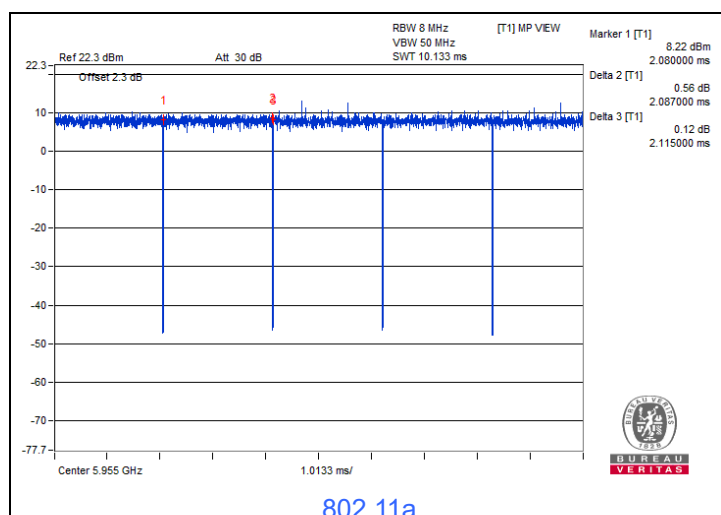
802.11be (EHT20): Duty cycle = 5.325 ms / 5.355 ms x 100% = 99.4%

802.11be (EHT40): Duty cycle = 5.349 ms / 5.455 ms x 100% = 98.1%

802.11be (EHT80): Duty cycle = 5.243 ms / 5.311 ms x 100% = 98.7%

802.11be (EHT160): Duty cycle = 4.395 ms / 4.475 ms x 100% = 98.2%

802.11be (EHT320): Duty cycle = 3.955 ms / 3.997 ms x 100% = 98.9%



2Tx

802.11a: Duty cycle = 2.092 ms / 2.128 ms x 100% = 98.3%

802.11be (EHT20): Duty cycle = 5.335 ms / 5.407 ms x 100% = 98.7%

802.11be (EHT40): Duty cycle = 5.366 ms / 5.415 ms x 100% = 99.1%

802.11be (EHT80): Duty cycle = 5.248 ms / 5.29 ms x 100% = 99.2%

802.11be (EHT160): Duty cycle = 4.389 ms / 4.465 ms x 100% = 98.3%

802.11be (EHT320): Duty cycle = 3.955 ms / 3.997 ms x 100% = 98.9%

802.11be (EHT20) 26-tone RU: Duty cycle = 5.081 ms / 5.107 ms x 100% = 99.5%

802.11be (EHT20) 52-tone RU: Duty cycle = 5.081 ms / 5.107 ms x 100% = 99.5%

802.11be (EHT20) 106-tone RU: Duty cycle = 5.081 ms / 5.107 ms x 100% = 99.5%

802.11be (EHT20) 242-tone RU: Duty cycle = 5.081 ms / 5.107 ms x 100% = 99.5%

802.11be (EHT40) 484-tone RU: Duty cycle = 3.321 ms / 3.354 ms x 100% = 99.0%

802.11be (EHT80) 996-tone RU: Duty cycle = 1.623 ms / 1.649 ms x 100% = 98.4%

802.11be (EHT160) 2x996-tone RU: Duty cycle = 2.146 ms / 2.184 ms x 100% = 98.3%

802.11be (EHT20) 52+26-tone MRU: Duty cycle = 5.081 ms / 5.107 ms x 100% = 99.5%

802.11be (EHT20) 106+26-tone MRU: Duty cycle = 5.081 ms / 5.107 ms x 100% = 99.5%

802.11be (EHT80) 484+242-tone MRU:

Duty cycle = 1.106 ms / 1.142 ms x 100% = 96.8%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.14 \text{ dB}$

802.11be (EHT160) 996+484-tone MRU:

Duty cycle = 0.923 ms / 0.947 ms x 100% = 97.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.11 \text{ dB}$

802.11be (EHT320) 2x996+484-tone MRU:

Duty cycle = 0.577 ms / 0.598 ms x 100% = 96.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.16 \text{ dB}$

802.11be (EHT320) 3x996-tone MRU:

Duty cycle = 0.577 ms / 0.598 ms x 100% = 96.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.16 \text{ dB}$

802.11be (EHT320) 3x996+484-tone MRU:

Duty cycle = 0.577 ms / 0.598 ms x 100% = 96.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.16 \text{ dB}$

802.11be (EHT80) Punctured by 20 MHz: Duty cycle = 5.248 ms / 5.29 ms x 100% = 99.2%

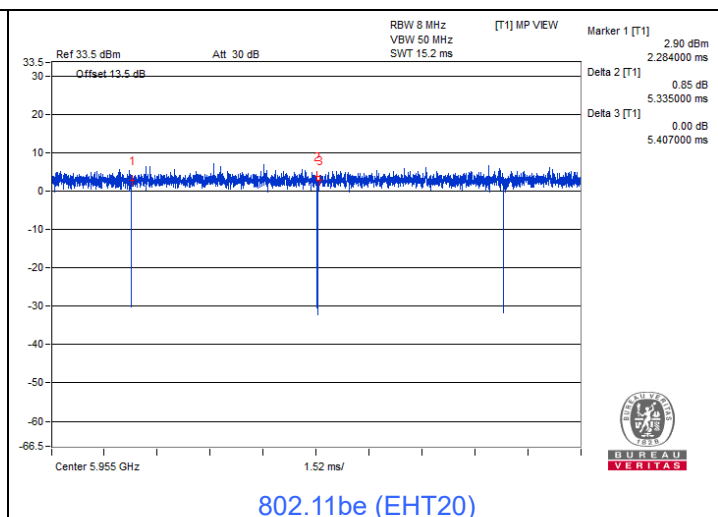
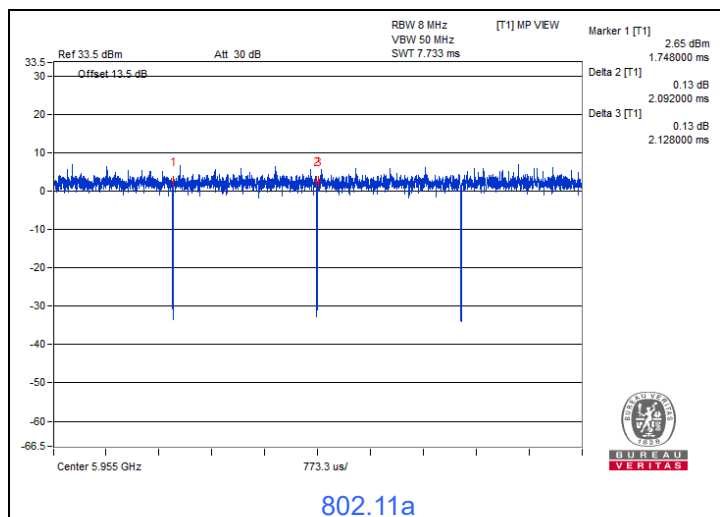
802.11be (EHT160) Punctured by 20 MHz: Duty cycle = 4.389 ms / 4.465 ms x 100% = 98.3%

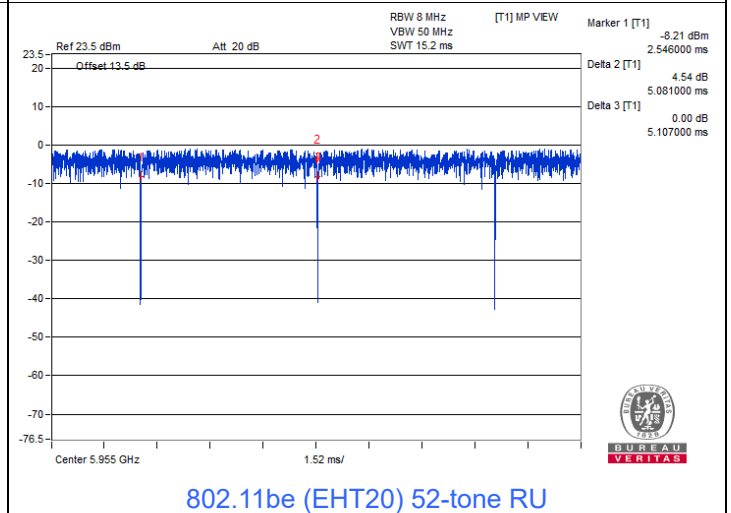
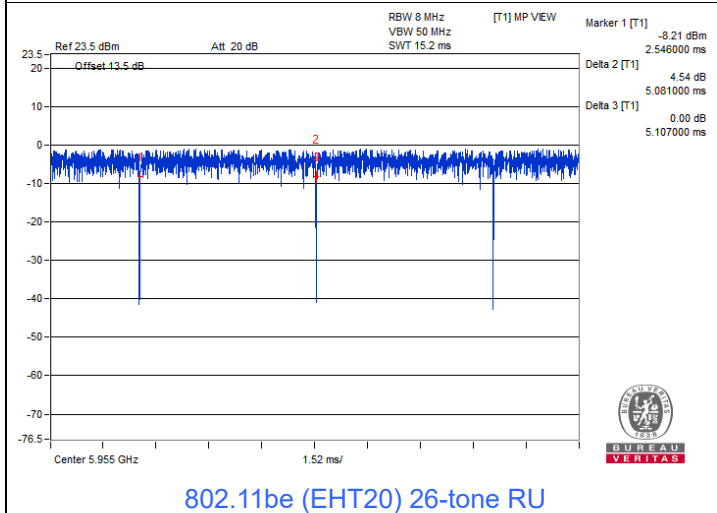
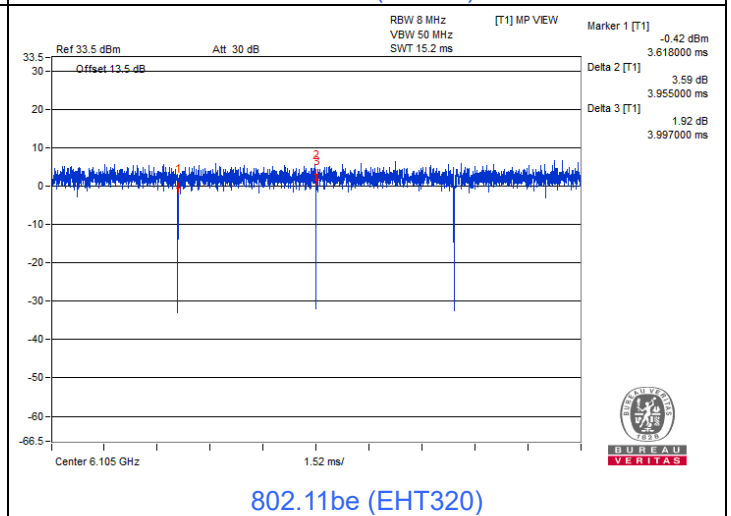
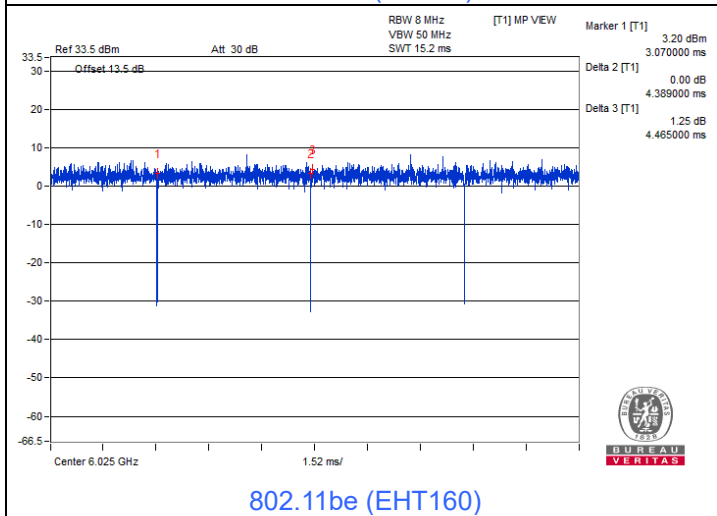
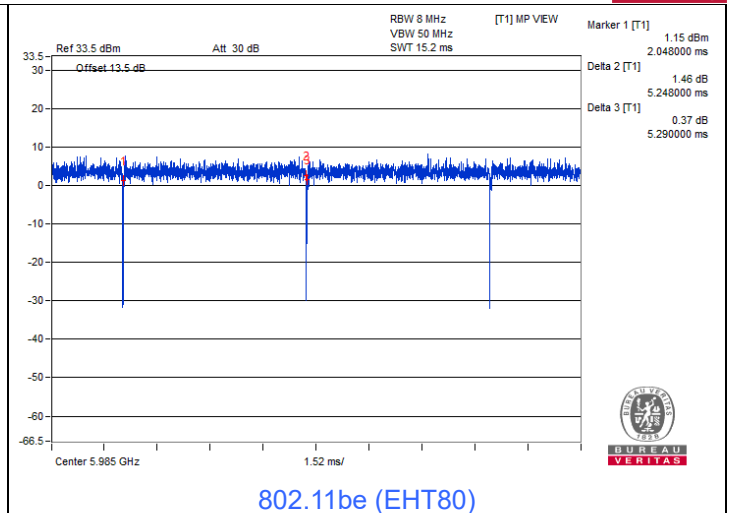
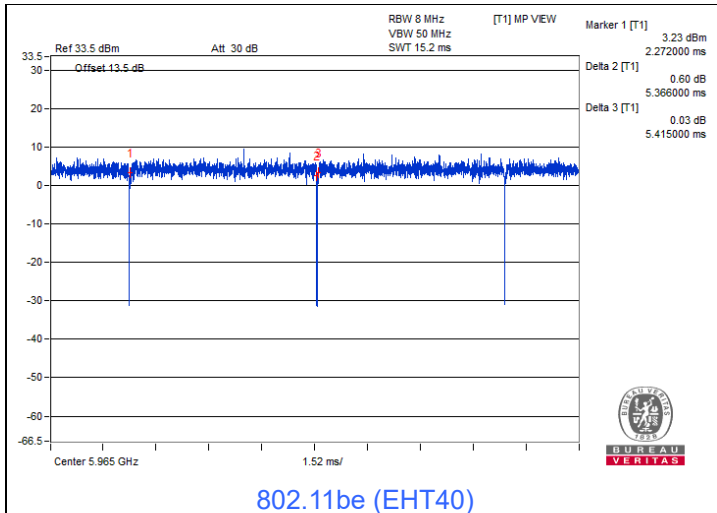
802.11be (EHT160) Punctured by 40 MHz: Duty cycle = 4.389 ms / 4.465 ms x 100% = 98.3%

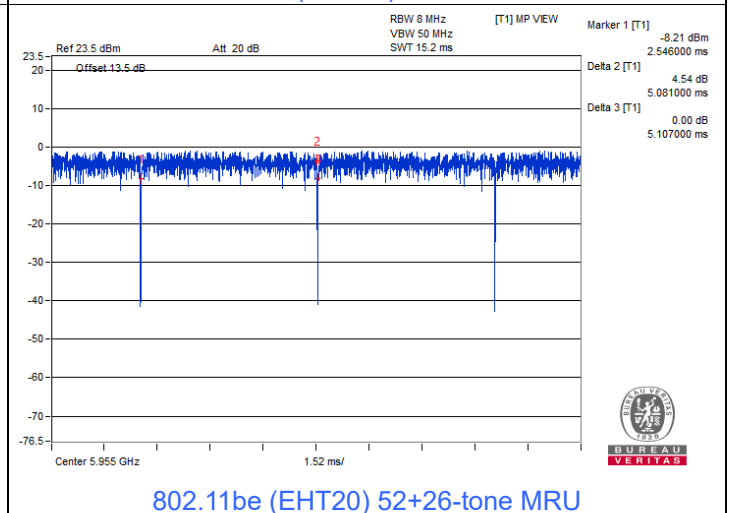
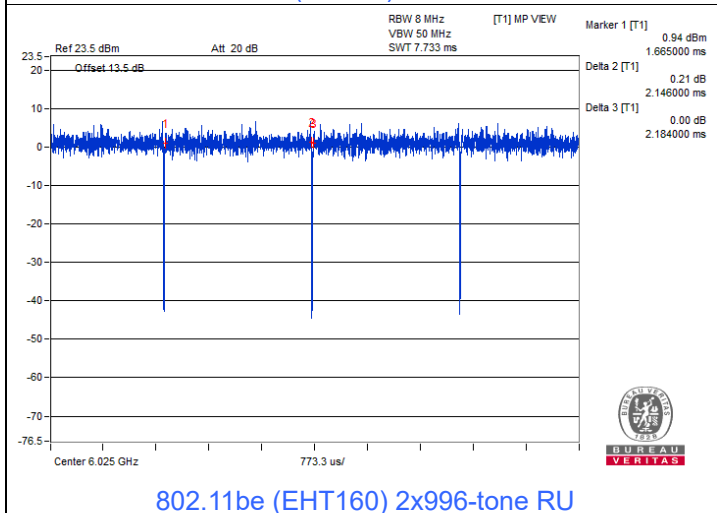
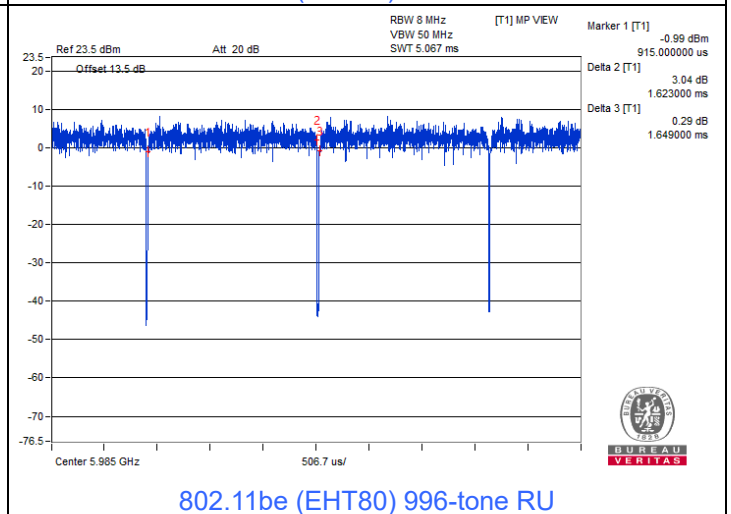
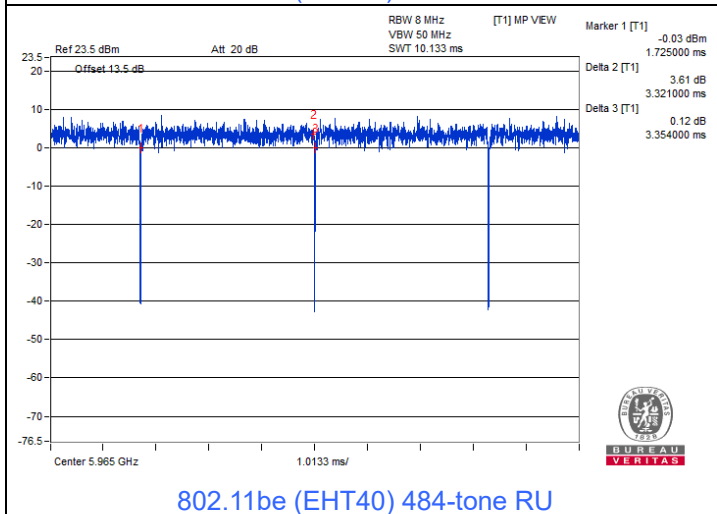
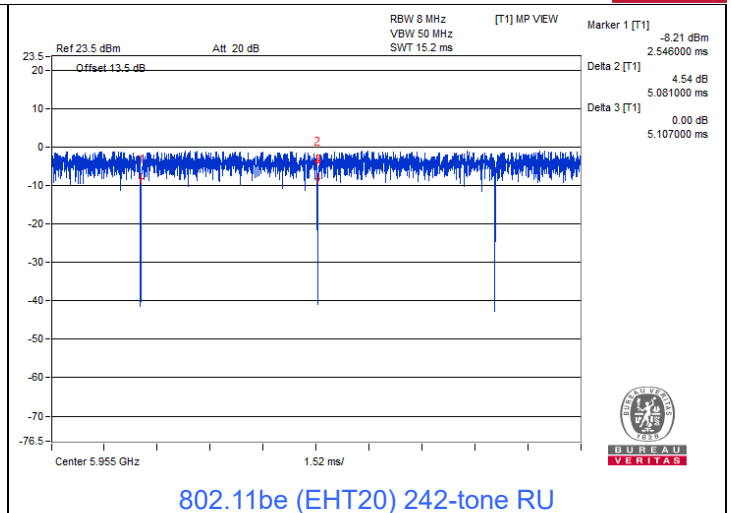
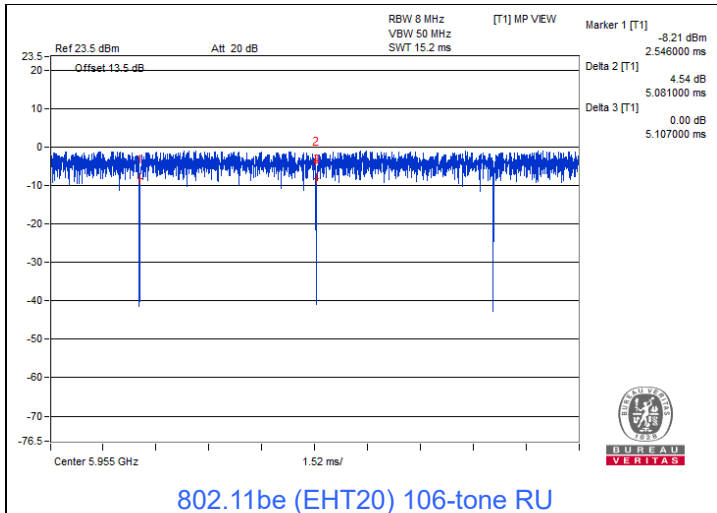
802.11be (EHT320) Punctured by 40 MHz: Duty cycle = 3.955 ms / 3.997 ms x 100% = 98.9%

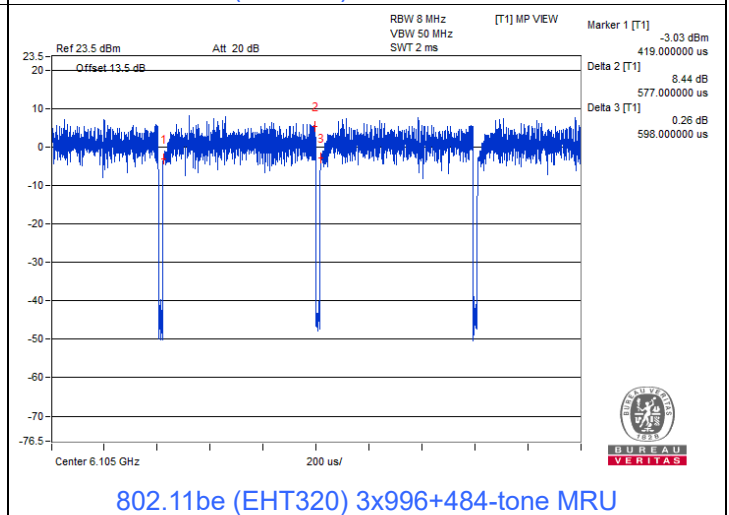
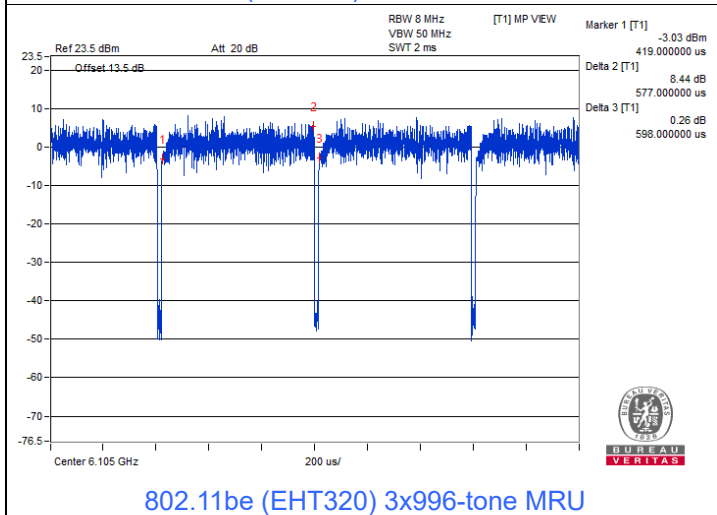
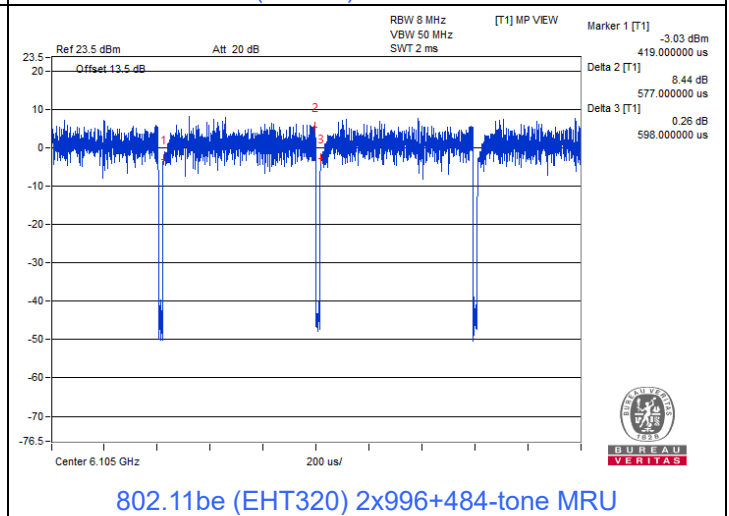
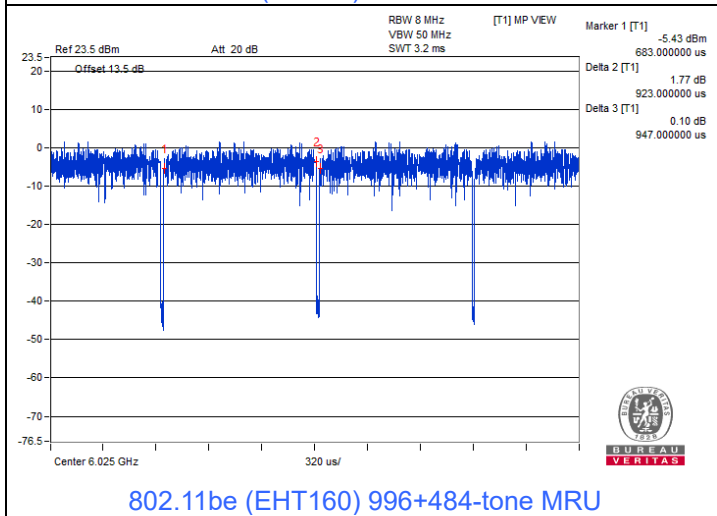
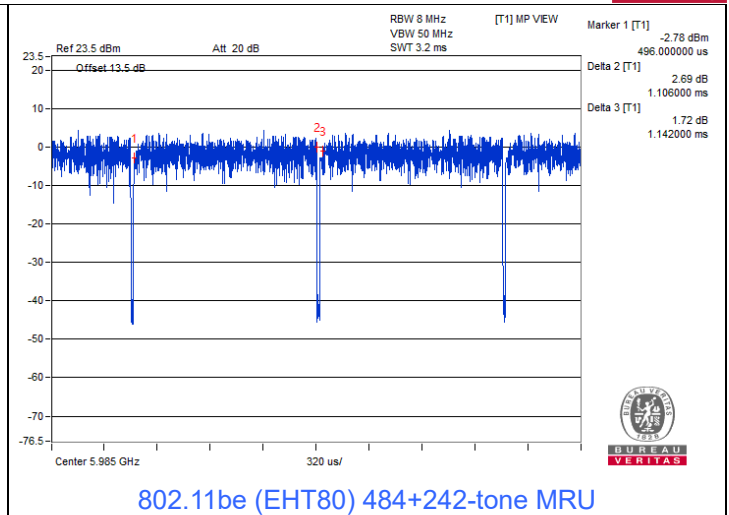
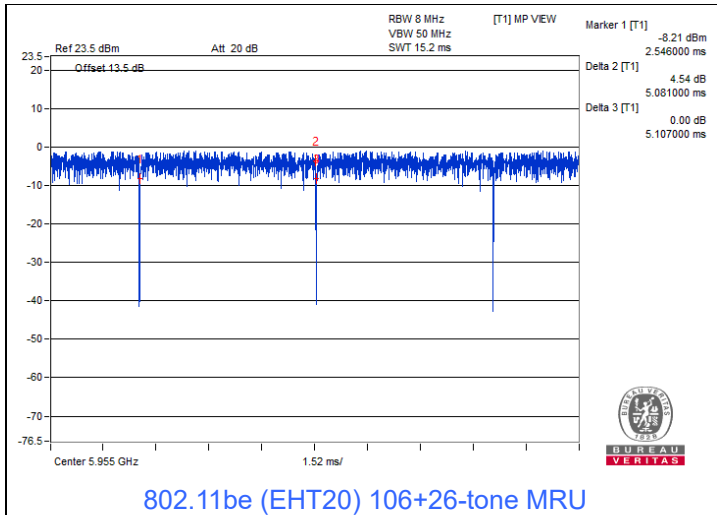
802.11be (EHT320) Punctured by 80 MHz: Duty cycle = 3.955 ms / 3.997 ms x 100% = 98.9%

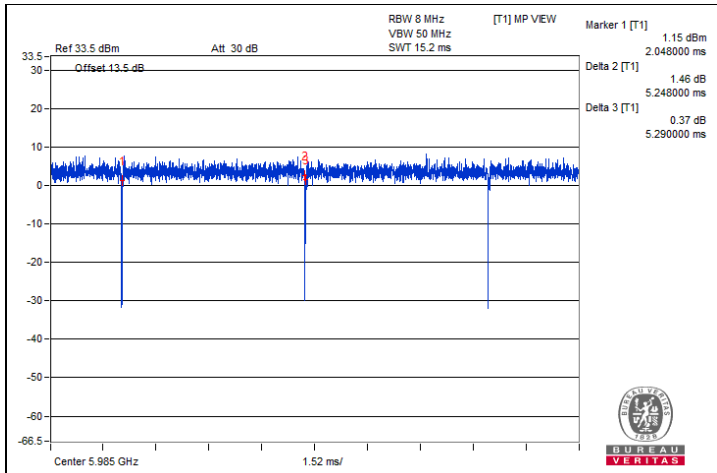
802.11be (EHT320) Punctured by 80+40 MHz: Duty cycle = 3.955 ms / 3.997 ms x 100% = 98.9%



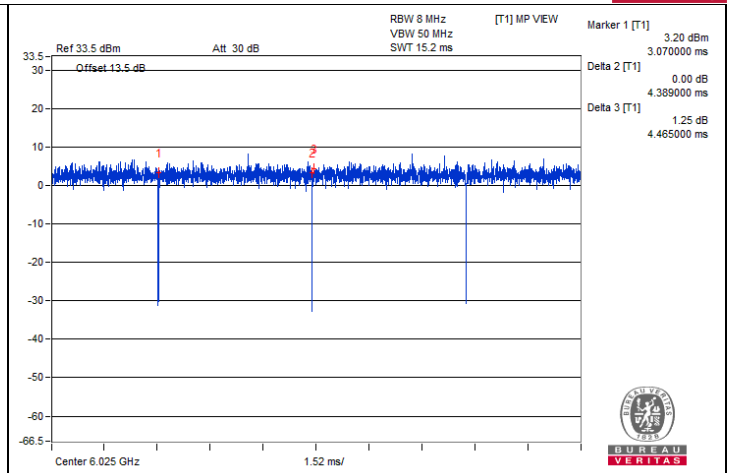




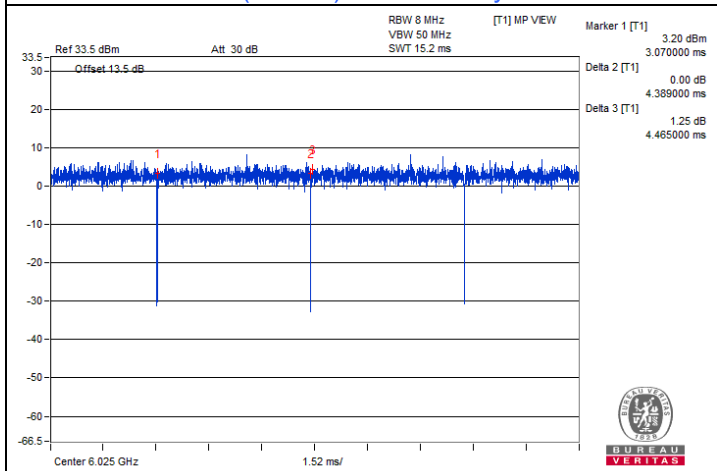




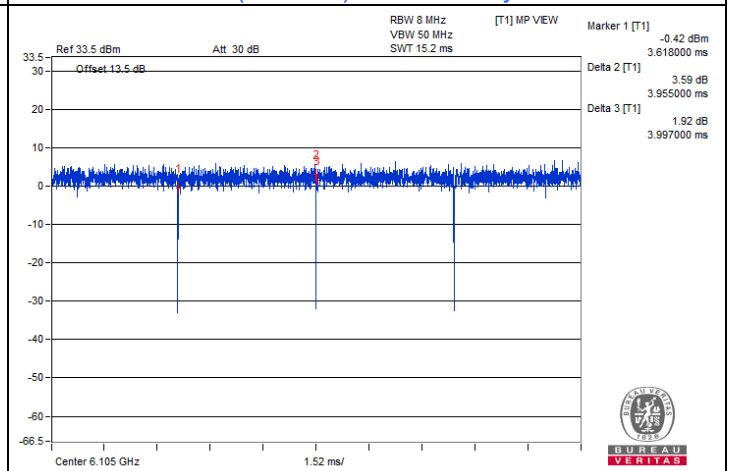
802.11be (EHT80) Punctured by 20 MHz



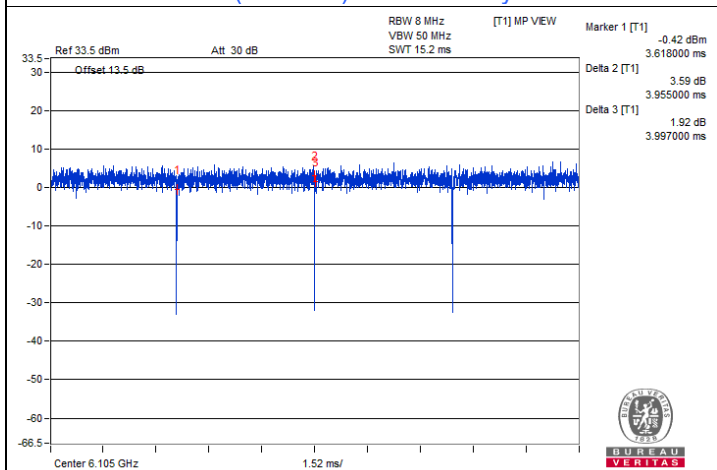
802.11be (EHT160) Punctured by 20 MHz



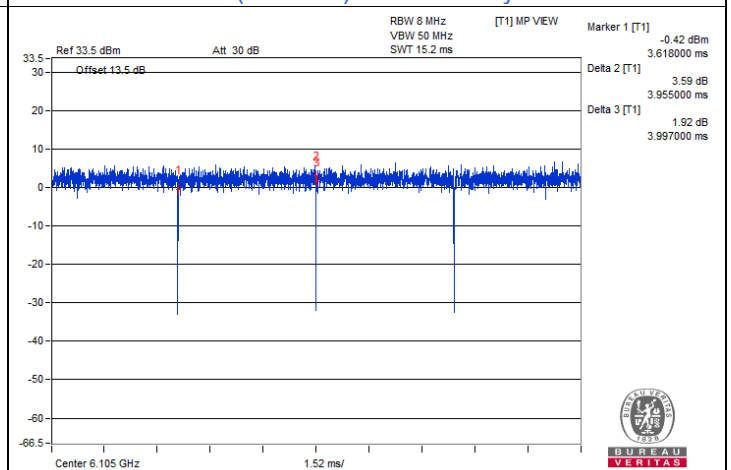
802.11be (EHT160) Punctured by 40 MHz



802.11be (EHT320) Punctured by 40 MHz



802.11be (EHT320) Punctured by 80 MHz



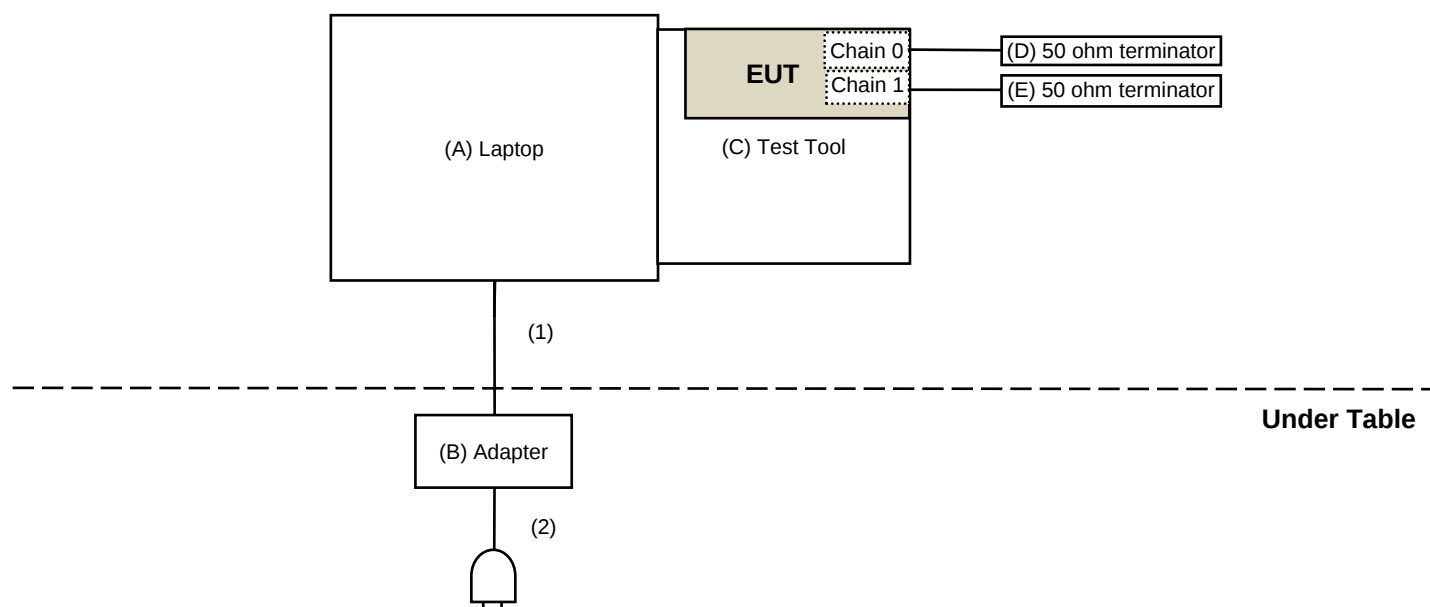
802.11be (EHT320) Punctured by 80+40 MHz

3.6 Test Program Used and Operation Descriptions

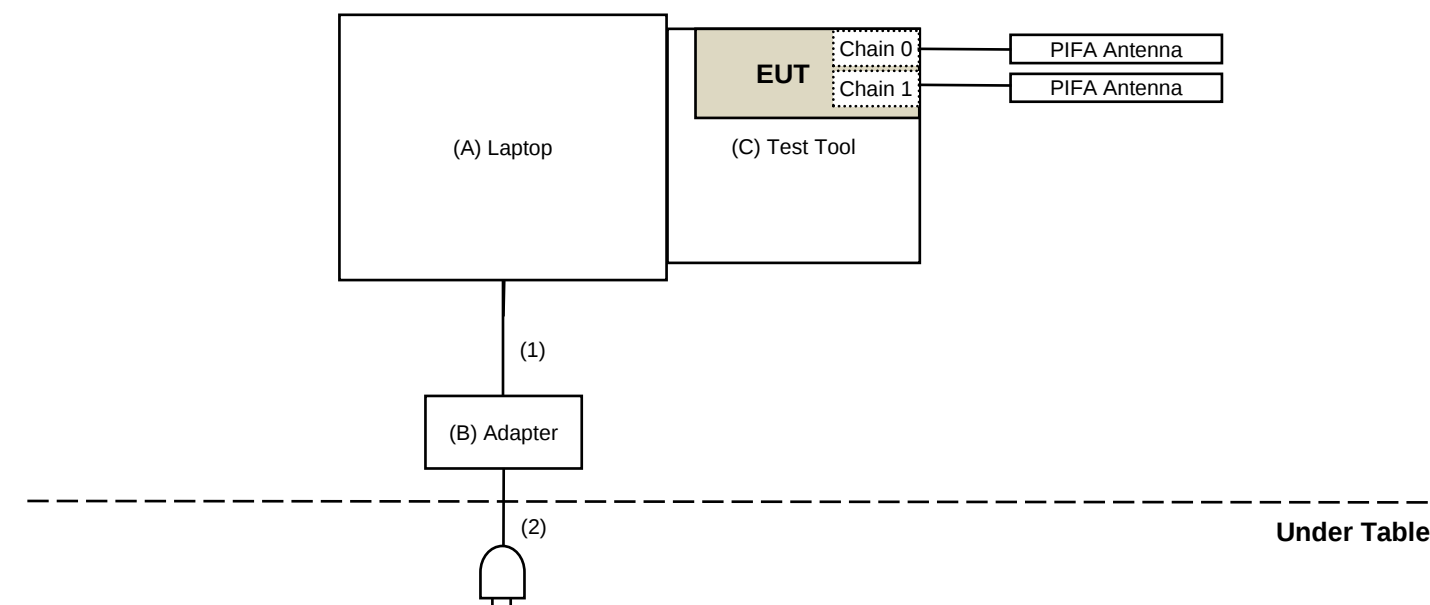
Controlling software (WLQN QRCT Module V4.0.00200.1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

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 Maximum RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22
Pulse Power Sensor Anritsu	MA2411B	1726434	2025/6/3	2026/6/2
RF Power Meter Anritsu	ML2495A	1529002	2025/6/3	2026/6/2

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/8/20 ~ 2025/8/21

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: 2025/8/21

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

Refer to section 4.3 Mode A to get the tested date and information of the instruments.

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 Maximum RF Output Power

Operation Band	Equipment Class	Limit
		Maximum Average Power
U-NII-5 U-NII-6 U-NII-7 U-NII-8	6CD: 15E 6 GHz Dual client (under control of a low-power indoor access point)	EIRP 24 dBm
U-NII-5 U-NII-7	6CD: 15E 6 GHz Dual client (under control of a Standard power access point)	EIRP 30 dBm

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

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

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

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

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	$2400/F(\text{kHz})$	300
0.490 ~ 1.705	$24000/F(\text{kHz})$	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

Frequencies (MHz)	EIRP Limit	Equivalent Field Strength at 3 m
5925 MHz > F > 7125 MHz	Peak: -7 (dBm/MHz)	88.2 (dBuV/m)
	Average: -27 (dBm/MHz)	68.2 (dBuV/m)

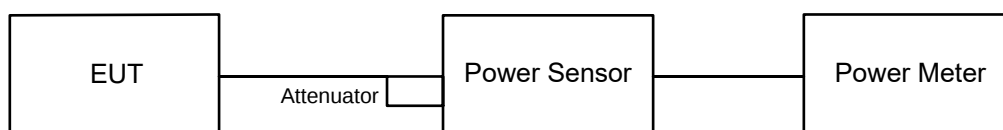
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 Maximum RF Output Power

6.1.1 Test Setup

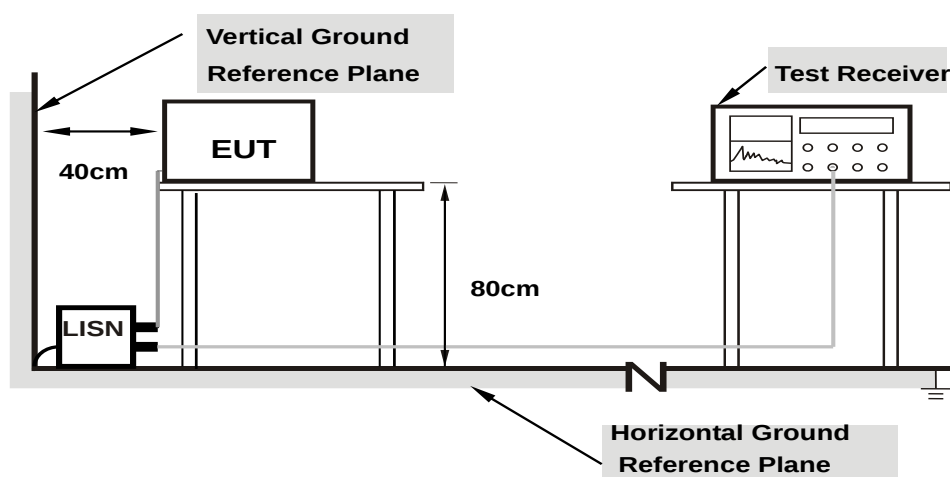


6.1.2 Test Procedure

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.

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.

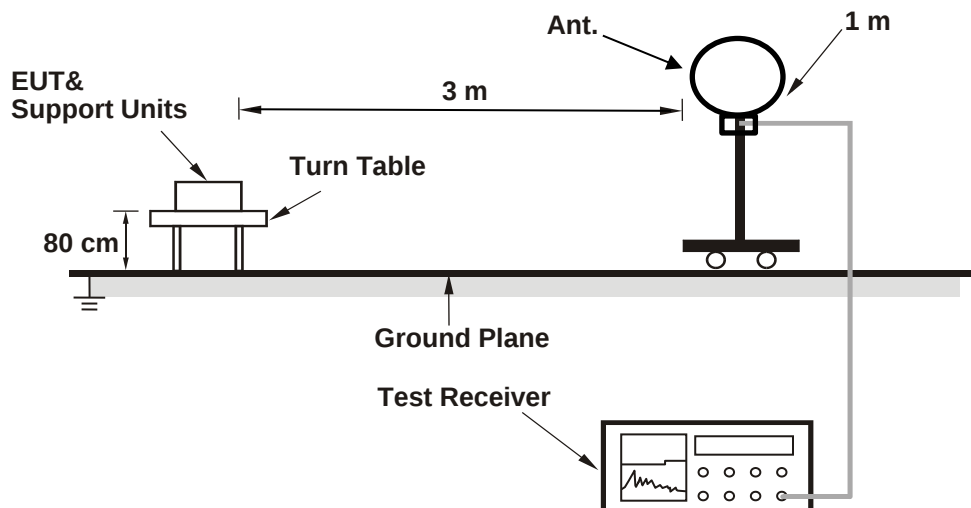
Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

6.3 Unwanted Emissions below 1 GHz

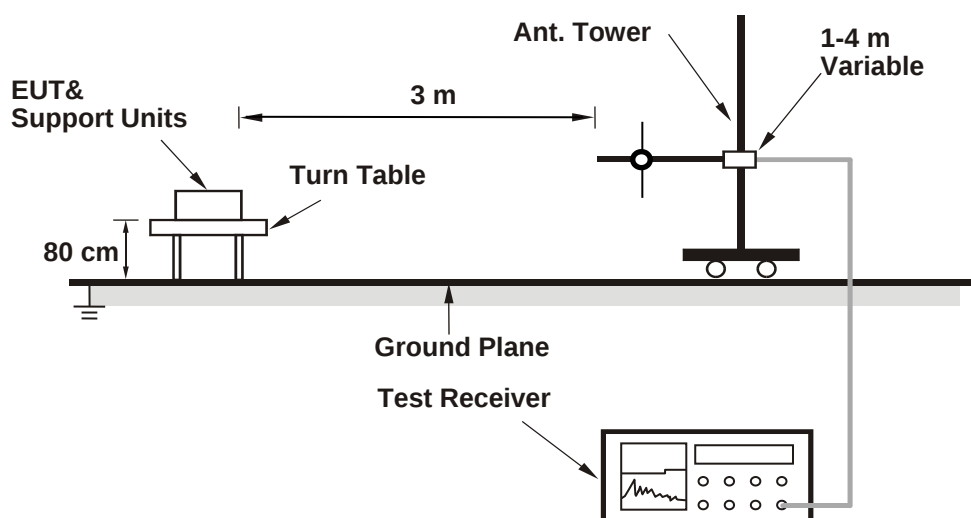
6.3.1 Test Setup

For Radiated Configuration:

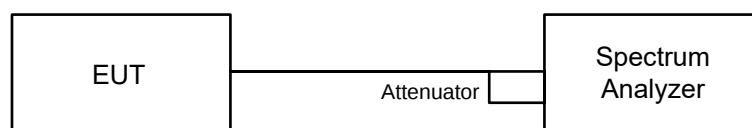
For Radiated emission below 30 MHz



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. 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.

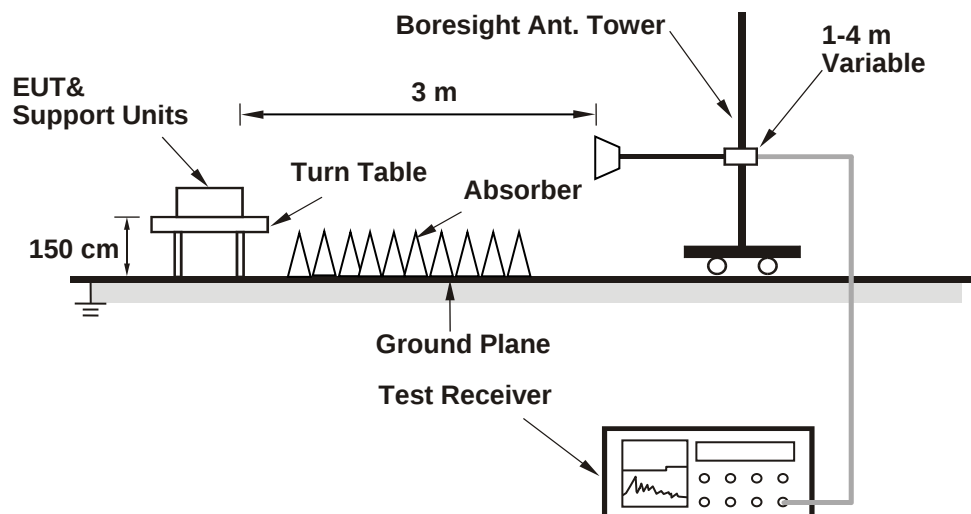
Notes:

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.

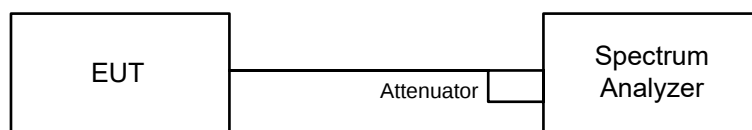
6.4 Unwanted Emissions above 1 GHz

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 Maximum RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Kevin Ko
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under control of low power indoor AP

1Tx

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	3.396	5.31	5.14	11.091	10.45	24	Pass
1	5955	3.581	5.54	5.14	11.695	10.68	24	Pass
45	6175	3.296	5.18	5.14	10.764	10.32	24	Pass
93	6415	3.664	5.64	5.14	11.966	10.78	24	Pass
97	6435	3.664	5.64	5.09	11.829	10.73	24	Pass
105	6475	3.741	5.73	5.09	12.078	10.82	24	Pass
113	6515	3.899	5.91	5.09	12.588	11	24	Pass
117	6535	3.855	5.86	5.16	12.648	11.02	24	Pass
149	6695	3.656	5.63	5.16	11.995	10.79	24	Pass
181	6855	3.573	5.53	5.16	11.723	10.69	24	Pass
185	6875	3.648	5.62	5.16	11.969	10.78	24	Pass
209	6995	3.819	5.82	5.12	12.415	10.94	24	Pass
233	7115	3.436	5.36	5.12	11.17	10.48	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 5.14 dBi.
2. For U-NII-6, The antenna gain is 5.09 dBi.
3. For U-NII-7, The antenna gain is 5.16 dBi.
4. For U-NII-8, The antenna gain is 5.12 dBi.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.3673	-4.35	5.14	1.2	0.79	24	Pass
1	5955	4.236	6.27	5.14	13.834	11.41	24	Pass
45	6175	4.285	6.32	5.14	13.994	11.46	24	Pass
93	6415	4.207	6.24	5.14	13.74	11.38	24	Pass
97	6435	4.15	6.18	5.09	13.398	11.27	24	Pass
105	6475	4.335	6.37	5.09	13.996	11.46	24	Pass
113	6515	4.634	6.66	5.09	14.961	11.75	24	Pass
117	6535	4.009	6.03	5.16	13.153	11.19	24	Pass
149	6695	3.793	5.79	5.16	12.445	10.95	24	Pass
181	6855	4.083	6.11	5.16	13.396	11.27	24	Pass
185	6875	4.246	6.28	5.16	13.931	11.44	24	Pass
209	6995	4.315	6.35	5.12	14.028	11.47	24	Pass
233	7115	0.2917	-5.35	5.12	0.9483	-0.23	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 5.14 dBi.
2. For U-NII-6, The antenna gain is 5.09 dBi.
3. For U-NII-7, The antenna gain is 5.16 dBi.
4. For U-NII-8, The antenna gain is 5.12 dBi.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	8.69	9.39	5.14	28.38	14.53	24	Pass
43	6165	8.166	9.12	5.14	26.669	14.26	24	Pass
91	6405	7.244	8.60	5.14	23.658	13.74	24	Pass
99	6445	7.464	8.73	5.09	24.097	13.82	24	Pass
107	6485	8.091	9.08	5.09	26.122	14.17	24	Pass
115	6525	7.798	8.92	5.16	25.585	14.08	24	Pass
123	6565	7.962	9.01	5.16	26.123	14.17	24	Pass
155	6725	7.311	8.64	5.16	23.987	13.8	24	Pass
179	6845	7.43	8.71	5.16	24.377	13.87	24	Pass
187	6885	8.11	9.09	5.12	26.365	14.21	24	Pass
211	7005	8.433	9.26	5.12	27.415	14.38	24	Pass
227	7085	8.375	9.23	5.12	27.226	14.35	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 5.14 dBi.
2. For U-NII-6, The antenna gain is 5.09 dBi.
3. For U-NII-7, The antenna gain is 5.16 dBi.
4. For U-NII-8, The antenna gain is 5.12 dBi.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	15.453	11.89	5.14	50.468	17.03	24	Pass
39	6145	14.622	11.65	5.14	47.754	16.79	24	Pass
87	6385	12.359	10.92	5.14	40.363	16.06	24	Pass
103	6465	15.171	11.81	5.09	48.979	16.9	24	Pass
119	6545	14.521	11.62	5.16	47.643	16.78	24	Pass
151	6705	12.764	11.06	5.16	41.878	16.22	24	Pass
183	6865	13.002	11.14	5.16	42.659	16.3	24	Pass
199	6945	13.772	11.39	5.12	44.771	16.51	24	Pass
215	7025	13.152	11.19	5.12	42.755	16.31	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 5.14 dBi.
2. For U-NII-6, The antenna gain is 5.09 dBi.
3. For U-NII-7, The antenna gain is 5.16 dBi.
4. For U-NII-8, The antenna gain is 5.12 dBi.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	37.411	15.73	5.14	122.18	20.87	24	Pass
47	6185	32.885	15.17	5.14	107.398	20.31	24	Pass
79	6345	26.363	14.21	5.14	86.098	19.35	24	Pass
111	6505	34.754	15.41	5.09	112.203	20.5	24	Pass
143	6665	33.806	15.29	5.16	110.916	20.45	24	Pass
175	6825	27.797	14.44	5.16	91.201	19.6	24	Pass
207	6985	34.356	15.36	5.12	111.687	20.48	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 5.14 dBi.
2. For U-NII-6, The antenna gain is 5.09 dBi.
3. For U-NII-7, The antenna gain is 5.16 dBi.
4. For U-NII-8, The antenna gain is 5.12 dBi.

802.11be (EHT320)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
31	6105	42.756	16.31	5.14	139.636	21.45	24	Pass
63	6265	37.411	15.73	5.14	122.18	20.87	24	Pass
95	6425	40.551	16.08	5.14	132.435	21.22	24	Pass
127	6585	43.652	16.40	5.16	143.22	21.56	24	Pass
159	6745	36.392	15.61	5.16	119.4	20.77	24	Pass
191	6905	39.355	15.95	5.12	127.938	21.07	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 5.14 dBi.
2. For U-NII-6, The antenna gain is 5.09 dBi.
3. For U-NII-7, The antenna gain is 5.16 dBi.
4. For U-NII-8, The antenna gain is 5.12 dBi.

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Kevin Ko
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2Tx

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-0.32	-2.68	1.4685	1.67	5.14	4.796	6.81	24	Pass
1	5955	-0.04	-1.97	1.6262	2.11	5.14	5.311	7.25	24	Pass
45	6175	-2.70	-4.19	0.9181	-0.37	5.14	2.998	4.77	24	Pass
93	6415	-1.55	-4.33	1.0688	0.29	5.14	3.491	5.43	24	Pass
97	6435	-0.70	-3.32	1.3167	1.19	5.09	4.251	6.28	24	Pass
105	6475	-0.65	-3.14	1.3463	1.29	5.09	4.347	6.38	24	Pass
113	6515	-0.33	-2.84	1.4464	1.60	5.09	4.67	6.69	24	Pass
117	6535	-0.70	-2.93	1.3605	1.34	5.16	4.464	6.5	24	Pass
149	6695	-0.75	-2.71	1.3772	1.39	5.16	4.519	6.55	24	Pass
181	6855	-1.55	-1.40	1.4243	1.54	5.16	4.673	6.7	24	Pass
185	6875	-1.74	-1.33	1.4061	1.48	5.16	4.613	6.64	24	Pass
209	6995	-2.43	-1.32	1.3094	1.17	5.12	4.257	6.29	24	Pass
233	7115	-2.91	-0.52	1.3988	1.46	5.12	4.547	6.58	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-11.36	-13.94	0.11348	-9.45	5.14	0.3706	-4.31	24	Pass
1	5955	0.51	-1.63	1.8117	2.58	5.14	5.917	7.72	24	Pass
45	6175	-1.89	-3.42	1.1021	0.42	5.14	3.599	5.56	24	Pass
93	6415	-0.92	-3.58	1.2476	0.96	5.14	4.075	6.1	24	Pass
97	6435	0.37	-2.11	1.7041	2.31	5.09	5.502	7.4	24	Pass
105	6475	0.21	-2.28	1.6411	2.15	5.09	5.298	7.24	24	Pass
113	6515	0.26	-2.51	1.6227	2.10	5.09	5.239	7.19	24	Pass
117	6535	-0.54	-3.08	1.3751	1.38	5.16	4.512	6.54	24	Pass
149	6695	-0.43	-2.40	1.4812	1.71	5.16	4.86	6.87	24	Pass
181	6855	-1.38	-1.11	1.5022	1.77	5.16	4.929	6.93	24	Pass
185	6875	-1.34	-1.06	1.5179	1.81	5.16	4.98	6.97	24	Pass
209	6995	-1.41	-0.44	1.6264	2.11	5.12	5.287	7.23	24	Pass
233	7115	-14.02	-11.31	0.11359	-9.45	5.12	0.3693	-4.33	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	3.22	1.64	3.558	5.51	5.14	11.62	10.65	24	Pass
43	6165	2.97	1.32	3.337	5.23	5.14	10.898	10.37	24	Pass
91	6405	2.20	0.91	2.893	4.61	5.14	9.448	9.75	24	Pass
99	6445	2.51	1.11	3.074	4.88	5.09	9.924	9.97	24	Pass
107	6485	2.63	1.41	3.216	5.07	5.09	10.383	10.16	24	Pass
115	6525	2.91	1.54	3.38	5.29	5.16	11.09	10.45	24	Pass
123	6565	2.83	1.73	3.408	5.32	5.16	11.181	10.48	24	Pass
155	6725	2.45	-1.77	2.4232	3.84	5.16	7.95	9	24	Pass
179	6845	2.50	-0.03	2.7714	4.43	5.16	9.093	9.59	24	Pass
187	6885	2.24	0.12	2.703	4.32	5.12	8.787	9.44	24	Pass
211	7005	1.93	0.47	2.674	4.27	5.12	8.693	9.39	24	Pass
227	7085	1.75	1.61	2.945	4.69	5.12	9.574	9.81	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	5.36	3.78	5.823	7.65	5.14	19.017	12.79	24	Pass
39	6145	5.14	3.50	5.505	7.41	5.14	17.979	12.55	24	Pass
87	6385	4.27	2.84	4.596	6.62	5.14	15.01	11.76	24	Pass
103	6465	5.71	4.48	6.529	8.15	5.09	21.079	13.24	24	Pass
119	6545	5.20	3.26	5.43	7.35	5.16	17.816	12.51	24	Pass
151	6705	4.31	3.80	5.097	7.07	5.16	16.723	12.23	24	Pass
183	6865	3.57	4.09	4.84	6.85	5.16	15.88	12.01	24	Pass
199	6945	4.93	5.67	6.801	8.33	5.12	22.109	13.45	24	Pass
215	7025	3.66	5.13	5.581	7.47	5.12	18.143	12.59	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	8.94	7.56	13.536	11.31	5.14	44.207	16.45	24	Pass
47	6185	8.91	7.18	13.004	11.14	5.14	42.469	16.28	24	Pass
79	6345	7.95	6.46	10.663	10.28	5.14	34.824	15.42	24	Pass
111	6505	8.93	7.44	13.363	11.26	5.09	43.142	16.35	24	Pass
143	6665	8.30	7.84	12.842	11.09	5.16	42.134	16.25	24	Pass
175	6825	7.82	8.00	12.363	10.92	5.16	40.562	16.08	24	Pass
207	6985	7.87	8.94	13.958	11.45	5.12	45.376	16.57	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT320)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	12.37	11.79	32.359	15.10	5.14	105.681	20.24	24	Pass
63	6265	11.65	11.17	27.714	14.43	5.14	90.511	19.57	24	Pass
95	6425	11.73	11.30	28.383	14.53	5.14	92.695	19.67	24	Pass
127	6585	12.35	11.55	31.468	14.98	5.16	103.245	20.14	24	Pass
159	6745	11.51	11.08	26.981	14.31	5.16	88.523	19.47	24	Pass
191	6905	11.81	11.77	30.202	14.80	5.12	98.183	19.92	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-19.82	-20.67	0.018994	-17.21	5.14	0.06203	-12.07	24	Pass
1	5955	-8.61	-9.96	0.2386	-6.22	5.14	0.7792	-1.08	24	Pass
45	6175	-10.89	-11.24	0.15663	-8.05	5.14	0.5115	-2.91	24	Pass
93	6415	-9.75	-11.60	0.17511	-7.57	5.14	0.5719	-2.43	24	Pass
97	6435	-9.54	-11.75	0.17801	-7.50	5.09	0.5747	-2.41	24	Pass
105	6475	-10.01	-11.83	0.16538	-7.82	5.09	0.5339	-2.73	24	Pass
113	6515	-9.93	-11.05	0.18015	-7.44	5.09	0.5816	-2.35	24	Pass
117	6535	-10.34	-11.57	0.16213	-7.90	5.16	0.5319	-2.74	24	Pass
149	6695	-9.96	-11.34	0.17438	-7.59	5.16	0.5721	-2.43	24	Pass
181	6855	-11.11	-10.06	0.17607	-7.54	5.16	0.5777	-2.38	24	Pass
185	6875	-11.51	-9.74	0.1768	-7.53	5.16	0.5801	-2.37	24	Pass
209	6995	-11.61	-9.66	0.17717	-7.52	5.12	0.576	-2.4	24	Pass
233	7115	-20.81	-17.92	0.024442	-16.12	5.12	0.07946	-11	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-17.02	-18.20	0.035	-14.56	5.14	0.1143	-9.42	24	Pass
1	5955	-5.40	-7.17	0.4803	-3.18	5.14	1.569	1.96	24	Pass
45	6175	-8.14	-8.75	0.2868	-5.42	5.14	0.9367	-0.28	24	Pass
93	6415	-6.94	-8.70	0.3372	-4.72	5.14	1.101	0.42	24	Pass
97	6435	-6.92	-8.65	0.3397	-4.69	5.09	1.097	0.4	24	Pass
105	6475	-7.31	-9.01	0.3114	-5.07	5.09	1.005	0.02	24	Pass
113	6515	-6.44	-8.56	0.3663	-4.36	5.09	1.183	0.73	24	Pass
117	6535	-7.30	-8.92	0.3144	-5.03	5.16	1.032	0.13	24	Pass
149	6695	-7.24	-8.56	0.3281	-4.84	5.16	1.076	0.32	24	Pass
181	6855	-8.24	-7.02	0.3486	-4.58	5.16	1.144	0.58	24	Pass
185	6875	-8.35	-7.00	0.3457	-4.61	5.16	1.134	0.55	24	Pass
209	6995	-8.79	-6.95	0.334	-4.76	5.12	1.086	0.36	24	Pass
233	7115	-19.33	-15.91	0.03731	-14.28	5.12	0.1213	-9.16	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-15.87	-17.45	0.04387	-13.58	5.14	0.1433	-8.44	24	Pass
1	5955	-3.13	-4.73	0.8229	-0.85	5.14	2.687	4.29	24	Pass
45	6175	-5.95	-6.22	0.4929	-3.07	5.14	1.61	2.07	24	Pass
93	6415	-4.27	-5.82	0.6359	-1.97	5.14	2.077	3.17	24	Pass
97	6435	-3.12	-4.92	0.8096	-0.92	5.09	2.614	4.17	24	Pass
105	6475	-3.40	-5.23	0.757	-1.21	5.09	2.444	3.88	24	Pass
113	6515	-3.26	-4.93	0.7934	-1.01	5.09	2.561	4.08	24	Pass
117	6535	-3.32	-4.92	0.7877	-1.04	5.16	2.584	4.12	24	Pass
149	6695	-3.16	-4.53	0.8354	-0.78	5.16	2.741	4.38	24	Pass
181	6855	-4.31	-3.21	0.8482	-0.72	5.16	2.783	4.44	24	Pass
185	6875	-4.46	-3.18	0.8389	-0.76	5.16	2.752	4.4	24	Pass
209	6995	-4.86	-3.14	0.8119	-0.90	5.12	2.639	4.22	24	Pass
233	7115	-16.55	-12.74	0.07534	-11.23	5.12	0.2449	-6.11	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT20) 242-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-12.10	-14.46	0.09747	-10.11	5.14	0.3183	-4.97	24	Pass
1	5955	0.03	-1.62	1.6956	2.29	5.14	5.538	7.43	24	Pass
45	6175	-2.24	-2.75	1.1279	0.52	5.14	3.684	5.66	24	Pass
93	6415	-1.34	-3.38	1.1937	0.77	5.14	3.898	5.91	24	Pass
97	6435	-0.10	-1.86	1.6289	2.12	5.09	5.259	7.21	24	Pass
105	6475	0.08	-1.62	1.7072	2.32	5.09	5.512	7.41	24	Pass
113	6515	-0.10	-1.92	1.6199	2.09	5.09	5.23	7.18	24	Pass
117	6535	-0.89	-2.33	1.3995	1.46	5.16	4.592	6.62	24	Pass
149	6695	-0.67	-1.55	1.5569	1.92	5.16	5.108	7.08	24	Pass
181	6855	-1.82	-0.46	1.5572	1.92	5.16	5.109	7.08	24	Pass
185	6875	-1.83	-0.36	1.5766	1.98	5.16	5.173	7.14	24	Pass
209	6995	-2.25	-0.17	1.5573	1.92	5.12	5.063	7.04	24	Pass
233	7115	-13.29	-12.44	0.1039	-9.83	5.12	0.3378	-4.71	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT40) 484-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	3.02	2.22	3.672	5.65	5.14	11.992	10.79	24	Pass
43	6165	2.65	1.95	3.408	5.32	5.14	11.13	10.46	24	Pass
91	6405	1.83	1.24	2.855	4.56	5.14	9.324	9.7	24	Pass
99	6445	2.00	1.36	2.953	4.70	5.09	9.534	9.79	24	Pass
107	6485	2.11	1.52	3.045	4.84	5.09	9.831	9.93	24	Pass
115	6525	2.65	2.04	3.44	5.37	5.16	11.286	10.53	24	Pass
123	6565	2.21	1.87	3.202	5.05	5.16	10.506	10.21	24	Pass
155	6725	1.40	2.12	3.01	4.79	5.16	9.876	9.95	24	Pass
179	6845	1.32	2.17	3.003	4.78	5.16	9.853	9.94	24	Pass
187	6885	1.82	2.14	3.157	4.99	5.12	10.263	10.11	24	Pass
211	7005	1.14	2.60	3.12	4.94	5.12	10.143	10.06	24	Pass
227	7085	1.24	2.65	3.171	5.01	5.12	10.309	10.13	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT80) 996-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	4.86	4.17	5.674	7.54	5.14	18.531	12.68	24	Pass
39	6145	4.47	3.84	5.22	7.18	5.14	17.048	12.32	24	Pass
87	6385	3.80	3.21	4.493	6.53	5.14	14.674	11.67	24	Pass
103	6465	4.48	3.96	5.294	7.24	5.09	17.092	12.33	24	Pass
119	6545	4.72	4.02	5.488	7.39	5.16	18.006	12.55	24	Pass
151	6705	3.53	4.24	4.909	6.91	5.16	16.106	12.07	24	Pass
183	6865	2.88	4.36	4.67	6.69	5.16	15.322	11.85	24	Pass
199	6945	3.94	5.88	6.35	8.03	5.12	20.643	13.15	24	Pass
215	7025	3.17	5.45	5.582	7.47	5.12	18.146	12.59	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT160) 2x996-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	8.55	7.79	13.173	11.20	5.14	43.021	16.34	24	Pass
47	6185	8.41	7.74	12.877	11.10	5.14	42.055	16.24	24	Pass
79	6345	7.61	7.00	10.78	10.33	5.14	35.206	15.47	24	Pass
111	6505	8.64	8.08	13.738	11.38	5.09	44.353	16.47	24	Pass
143	6665	8.02	8.36	13.194	11.20	5.16	43.289	16.36	24	Pass
175	6825	7.02	7.95	11.272	10.52	5.16	36.983	15.68	24	Pass
207	6985	7.44	9.18	13.826	11.41	5.12	44.947	16.53	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	-4.54	-6.21	0.5909	-2.28	5.14	1.93	2.86	24	Pass
97	6435	-6.03	-8.11	0.404	-3.94	5.09	1.304	1.15	24	Pass
181	6855	-7.26	-6.44	0.4149	-3.82	5.16	1.361	1.34	24	Pass
209	6995	-8.15	-6.60	0.3719	-4.30	5.12	1.209	0.82	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	-2.28	-4.15	0.9762	-0.10	5.14	3.188	5.04	24	Pass
97	6435	-2.70	-4.62	0.8822	-0.54	5.09	2.848	4.55	24	Pass
181	6855	-4.19	-3.05	0.8765	-0.57	5.16	2.876	4.59	24	Pass
209	6995	-5.09	-3.25	0.7829	-1.06	5.12	2.545	4.06	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	3.89	2.86	4.381	6.42	5.14	14.308	11.56	24	Pass
103	6465	3.35	2.71	4.029	6.05	5.09	13.008	11.14	24	Pass
119	6545	3.61	2.81	4.206	6.24	5.16	13.8	11.4	24	Pass
215	7025	2.00	3.79	3.978	6.00	5.12	12.932	11.12	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	6.63	5.95	8.538	9.31	5.14	27.884	14.45	24	Pass
111	6505	7.42	6.88	10.396	10.17	5.09	33.563	15.26	24	Pass
143	6665	5.83	6.54	8.336	9.21	5.16	27.35	14.37	24	Pass
207	6985	4.61	6.70	7.568	8.79	5.12	24.603	13.91	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT320) 2x996+484-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	10.41	9.49	19.882	12.98	5.14	64.932	18.12	24	Pass
127	6585	10.51	9.59	20.345	13.08	5.16	66.751	18.24	24	Pass
191	6905	10.30	9.72	20.091	13.03	5.12	65.313	18.15	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT320) 3x996-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	9.37	8.51	15.745	11.97	5.14	51.421	17.11	24	Pass
127	6585	9.60	8.69	16.516	12.18	5.16	54.188	17.34	24	Pass
191	6905	7.95	7.65	12.058	10.81	5.12	39.199	15.93	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT320) 3x996+484-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	8.68	7.82	13.432	11.28	5.14	43.867	16.42	24	Pass
127	6585	8.96	7.95	14.108	11.49	5.16	46.288	16.65	24	Pass
191	6905	8.59	7.99	13.523	11.31	5.12	43.962	16.43	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT80) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	4.11	2.25	4.255	6.29	5.14	13.896	11.43	24	Pass
103	6465	3.91	2.53	4.251	6.28	5.09	13.724	11.37	24	Pass
119	6545	3.89	2.17	4.097	6.12	5.16	13.442	11.28	24	Pass
215	7025	3.13	3.72	4.411	6.45	5.12	14.34	11.57	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT160) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	8.61	7.06	12.343	10.91	5.14	40.311	16.05	24	Pass
111	6505	8.16	6.56	11.075	10.44	5.09	35.756	15.53	24	Pass
143	6665	7.53	6.80	10.449	10.19	5.16	34.283	15.35	24	Pass
207	6985	6.60	7.52	10.22	10.09	5.12	33.224	15.21	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT160) Punctured by 40 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	8.71	7.14	12.606	11.01	5.14	41.17	16.15	24	Pass
111	6505	8.06	6.53	10.895	10.37	5.09	35.174	15.46	24	Pass
143	6665	7.75	6.86	10.81	10.34	5.16	35.467	15.5	24	Pass
207	6985	6.71	7.56	10.383	10.16	5.12	33.754	15.28	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT320) Punctured by 40 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	11.13	10.41	23.962	13.80	5.14	78.257	18.94	24	Pass
127	6585	11.23	10.61	24.782	13.94	5.16	81.309	19.1	24	Pass
191	6905	10.96	10.35	23.313	13.68	5.12	75.788	18.8	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT320) Punctured by 80 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	9.80	8.56	16.728	12.23	5.14	54.632	17.37	24	Pass
127	6585	9.58	8.81	16.681	12.22	5.16	54.73	17.38	24	Pass
191	6905	9.41	8.76	16.246	12.11	5.12	52.814	17.23	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT320) Punctured by 80+40 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	8.30	7.30	12.131	10.84	5.14	39.618	15.98	24	Pass
127	6585	8.22	6.94	11.581	10.64	5.16	37.997	15.8	24	Pass
191	6905	8.10	7.28	11.802	10.72	5.12	38.367	15.84	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Kevin Ko
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under control of standard power AP

2Tx

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-0.33	-2.62	1.4738	1.68	5.14	4.813	6.82	30	Pass
1	5955	17.03	15.35	84.743	19.28	5.14	276.76	24.42	30	Pass
45	6175	16.66	14.94	77.534	18.89	5.14	253.217	24.03	30	Pass
93	6415	16.22	14.74	71.665	18.55	5.14	234.049	23.69	30	Pass
117	6535	16.35	15.08	75.363	18.77	5.16	247.262	23.93	30	Pass
149	6695	16.56	16.19	86.881	19.39	5.16	285.052	24.55	30	Pass
181	6855	16.21	16.47	86.144	19.35	5.16	282.634	24.51	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-11.34	-14.00	0.11326	-9.46	5.14	0.3699	-4.32	30	Pass
1	5955	17.37	15.87	93.212	19.69	5.14	304.419	24.83	30	Pass
45	6175	16.85	15.09	80.702	19.07	5.14	263.563	24.21	30	Pass
93	6415	16.38	14.94	74.64	18.73	5.14	243.765	23.87	30	Pass
117	6535	16.63	15.24	79.445	19.00	5.16	260.655	24.16	30	Pass
149	6695	16.76	16.53	92.402	19.66	5.16	303.167	24.82	30	Pass
181	6855	16.44	16.82	92.139	19.64	5.16	302.304	24.8	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	16.18	14.63	70.536	18.48	5.14	230.362	23.62	30	Pass
43	6165	15.90	14.24	65.451	18.16	5.14	213.755	23.3	30	Pass
91	6405	15.42	14.01	60.011	17.78	5.14	195.989	22.92	30	Pass
123	6565	15.78	14.53	66.223	18.21	5.16	217.275	23.37	30	Pass
155	6725	15.69	15.71	74.307	18.71	5.16	243.798	23.87	30	Pass
179	6845	15.46	15.94	74.421	18.72	5.16	244.172	23.88	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	15.83	14.32	65.322	18.15	5.14	213.334	23.29	30	Pass
39	6145	15.38	13.63	57.582	17.60	5.14	188.056	22.74	30	Pass
87	6385	14.53	13.09	48.75	16.88	5.14	159.212	22.02	30	Pass
135	6625	14.97	14.07	56.932	17.55	5.16	186.791	22.71	30	Pass
151	6705	15.01	14.73	61.412	17.88	5.16	201.49	23.04	30	Pass
167	6785	14.82	14.94	61.528	17.89	5.16	201.87	23.05	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	15.25	13.73	57.101	17.57	5.14	186.485	22.71	30	Pass
47	6185	15.76	14.18	63.852	18.05	5.14	208.533	23.19	30	Pass
79	6345	14.94	13.65	54.363	17.35	5.14	177.543	22.49	30	Pass
143	6665	15.31	14.74	63.748	18.04	5.16	209.154	23.2	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT320)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	16.68	16.14	87.674	19.43	5.14	286.333	24.57	30	Pass
63	6265	16.27	15.90	81.269	19.10	5.14	265.415	24.24	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-19.78	-19.88	0.0208	-16.82	5.14	0.06793	-11.68	30	Pass
1	5955	8.70	7.91	13.593	11.33	5.14	44.393	16.47	30	Pass
45	6175	8.03	7.12	11.506	10.61	5.14	37.577	15.75	30	Pass
93	6415	8.03	7.45	11.912	10.76	5.14	38.903	15.9	30	Pass
117	6535	8.18	7.41	12.085	10.82	5.16	39.65	15.98	30	Pass
149	6695	7.68	7.25	11.17	10.48	5.16	36.648	15.64	30	Pass
181	6855	7.80	7.59	11.767	10.71	5.16	38.607	15.87	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-17.24	-17.26	0.03767	-14.24	5.14	0.123	-9.1	30	Pass
1	5955	11.66	11.33	28.239	14.51	5.14	92.225	19.65	30	Pass
45	6175	11.05	10.57	24.138	13.83	5.14	78.832	18.97	30	Pass
93	6415	11.10	10.48	24.051	13.81	5.14	78.548	18.95	30	Pass
117	6535	11.38	10.49	24.935	13.97	5.16	81.811	19.13	30	Pass
149	6695	10.68	10.33	22.484	13.52	5.16	73.769	18.68	30	Pass
181	6855	10.68	10.54	23.019	13.62	5.16	75.524	18.78	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-16.02	-15.99	0.05018	-12.99	5.14	0.1639	-7.85	30	Pass
1	5955	14.83	14.46	58.334	17.66	5.14	190.512	22.8	30	Pass
45	6175	14.32	13.57	49.791	16.97	5.14	162.611	22.11	30	Pass
93	6415	13.89	13.34	46.068	16.63	5.14	150.452	21.77	30	Pass
117	6535	14.65	13.86	53.496	17.28	5.16	175.518	22.44	30	Pass
149	6695	14.17	13.84	50.332	17.02	5.16	165.137	22.18	30	Pass
181	6855	14.12	13.54	48.417	16.85	5.16	158.854	22.01	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT20) 242-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-12.46	-12.87	0.1084	-9.65	5.14	0.354	-4.51	30	Pass
1	5955	16.79	16.44	91.808	19.63	5.14	299.834	24.77	30	Pass
45	6175	16.31	15.89	81.571	19.12	5.14	266.401	24.26	30	Pass
93	6415	16.15	15.56	77.185	18.88	5.14	252.077	24.02	30	Pass
117	6535	16.79	16.45	91.91	19.63	5.16	301.552	24.79	30	Pass
149	6695	16.32	16.23	84.831	19.29	5.16	278.327	24.45	30	Pass
181	6855	16.05	15.94	79.536	19.01	5.16	260.954	24.17	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT40) 484-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	15.77	14.89	68.589	18.36	5.14	224.003	23.5	30	Pass
43	6165	16.69	16.14	87.781	19.43	5.14	286.682	24.57	30	Pass
91	6405	16.32	15.81	80.961	19.08	5.14	264.409	24.22	30	Pass
123	6565	16.60	16.39	89.26	19.51	5.16	292.858	24.67	30	Pass
155	6725	16.33	16.20	84.641	19.28	5.16	277.703	24.44	30	Pass
179	6845	16.16	16.07	81.762	19.13	5.16	268.257	24.29	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT80) 996-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	15.73	14.98	68.889	18.38	5.14	224.983	23.52	30	Pass
39	6145	15.05	14.55	60.499	17.82	5.14	197.582	22.96	30	Pass
87	6385	14.60	13.96	53.729	17.30	5.14	175.472	22.44	30	Pass
135	6625	14.15	13.54	48.596	16.87	5.16	159.441	22.03	30	Pass
151	6705	13.71	13.42	45.475	16.58	5.16	149.201	21.74	30	Pass
167	6785	13.37	13.21	42.668	16.30	5.16	139.992	21.46	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT160) 2x996-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	15.43	14.93	66.031	18.20	5.14	215.649	23.34	30	Pass
47	6185	16.46	16.09	84.903	19.29	5.14	277.283	24.43	30	Pass
79	6345	15.78	15.42	72.678	18.61	5.14	237.358	23.75	30	Pass
143	6665	16.44	16.16	85.36	19.31	5.16	280.062	24.47	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	12.78	12.05	35	15.44	5.14	114.306	20.58	30	Pass
117	6535	12.44	11.45	31.502	14.98	5.16	103.357	20.14	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	15.51	14.90	66.466	18.23	5.14	217.07	23.37	30	Pass
117	6535	15.19	14.29	59.89	17.77	5.16	196.496	22.93	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	16.93	16.28	91.779	19.63	5.14	299.739	24.77	30	Pass
135	6625	16.69	16.31	89.422	19.51	5.16	293.389	24.67	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	16.51	15.80	82.79	19.18	5.14	270.382	24.32	30	Pass
143	6665	15.25	14.76	63.419	18.02	5.16	208.075	23.18	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT320) 2x996+484-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	16.90	16.43	92.932	19.68	5.14	303.505	24.82	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT320) 3x996-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	16.10	15.61	77.13	18.87	5.14	251.897	24.01	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT320) 3x996+484-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	15.43	14.90	65.817	18.18	5.14	214.95	23.32	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT80) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	16.74	16.29	89.766	19.53	5.14	293.165	24.67	30	Pass
135	6625	16.52	16.56	90.164	19.55	5.16	295.824	24.71	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT160) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	16.01	15.60	76.21	18.82	5.14	248.893	23.96	30	Pass
143	6665	16.31	16.29	85.316	19.31	5.16	279.918	24.47	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT160) Punctured by 40 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	16.13	15.70	78.174	18.93	5.14	255.307	24.07	30	Pass
143	6665	16.51	16.22	86.651	19.38	5.16	284.298	24.54	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT320) Punctured by 40 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	16.37	15.84	81.722	19.12	5.14	266.894	24.26	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT320) Punctured by 80 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	15.75	15.23	70.926	18.51	5.14	231.636	23.65	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT320) Punctured by 80+40 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	14.97	14.36	58.695	17.69	5.14	191.691	22.83	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

7.2 AC Power Conducted Emissions

under the control of a standard-power AP

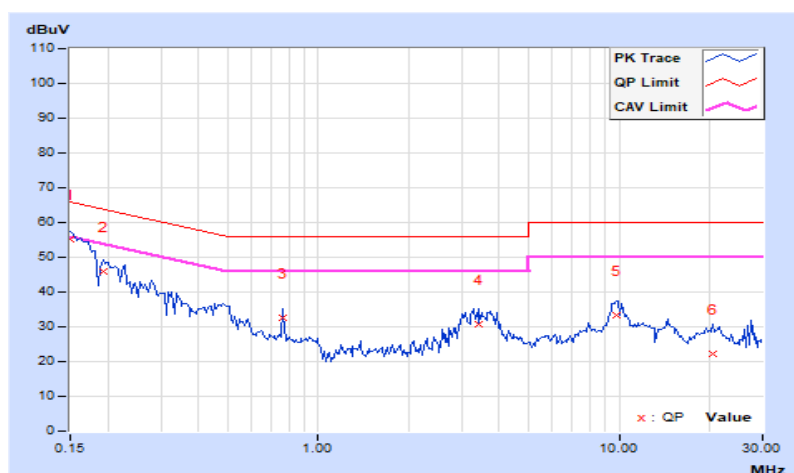
2Tx

RF Mode	802.11be (EHT20)	Channel	CH 1 : 5955 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	0.15092	9.96	45.10	31.22	55.06	41.18	65.95	55.95	-10.89	-14.77
2	0.19297	9.99	35.84	18.36	45.83	28.35	63.91	53.91	-18.08	-25.56
3	0.76328	10.01	22.40	22.27	32.41	32.28	56.00	46.00	-23.59	-13.72
4	3.39844	10.15	20.67	10.68	30.82	20.83	56.00	46.00	-25.18	-25.17
5	9.80469	10.45	22.99	17.24	33.44	27.69	60.00	50.00	-26.56	-22.31
6	20.60938	10.92	11.21	4.59	22.13	15.51	60.00	50.00	-37.87	-34.49

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

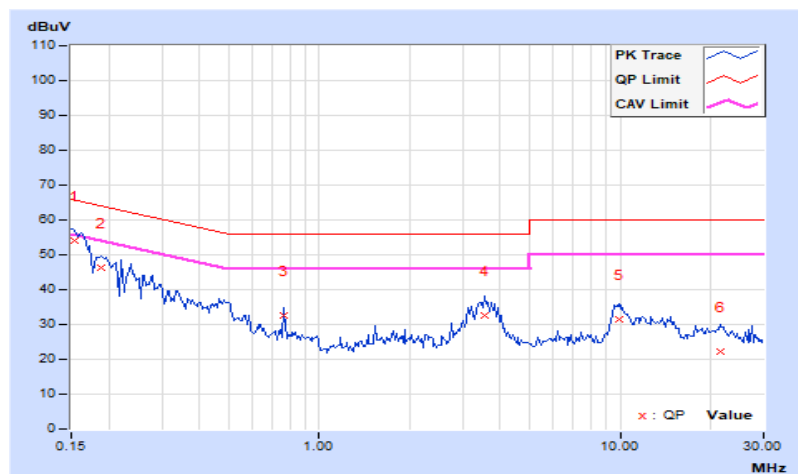


RF Mode	802.11be (EHT20)	Channel	CH 1 : 5955 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

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	0.15391	10.01	44.19	25.20	54.20	35.21	65.79	55.79	-11.59	-20.58
2	0.18906	10.02	36.24	19.44	46.26	29.46	64.08	54.08	-17.82	-24.62
3	0.76328	10.03	22.46	22.33	32.49	32.36	56.00	46.00	-23.51	-13.64
4	3.54297	10.15	22.39	11.64	32.54	21.79	56.00	46.00	-23.46	-24.21
5	9.94141	10.41	21.06	15.49	31.47	25.90	60.00	50.00	-28.53	-24.10
6	21.43750	10.80	11.41	4.03	22.21	14.83	60.00	50.00	-37.79	-35.17

Remarks:

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



7.3 Unwanted Emissions below 1 GHz

under the control of a standard-power AP

Mode A

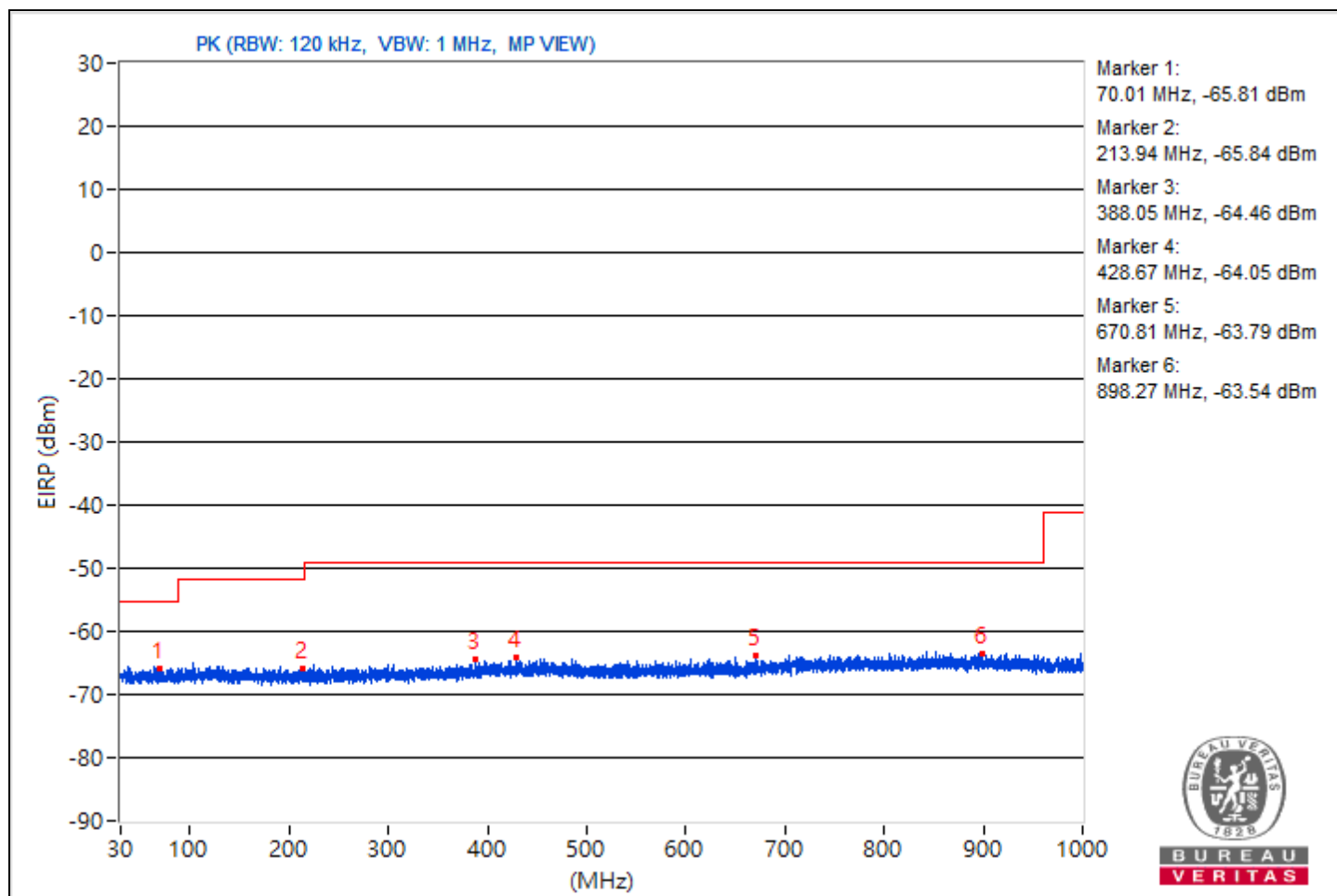
2Tx

RF Mode	802.11be (EHT20)	Channel	CH 1 : 5955 MHz
Frequency Range	30 MHz ~ 1 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	70.01	29.45 PK	40	-10.55	-83.35	-80.49	12.87	-65.81
2	213.94	29.42 PK	43.5	-14.08	-80.45	-83.53	12.87	-65.84
3	388.05	30.8 PK	46	-15.2	-79.95	-80.77	12.87	-64.46
4	428.67	31.21 PK	46	-14.79	-78.45	-82.19	12.87	-64.05
5	670.81	31.47 PK	46	-14.53	-78.24	-81.81	12.87	-63.79
6	898.27	31.72 PK	46	-14.28	-81.36	-78.09	12.87	-63.54

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

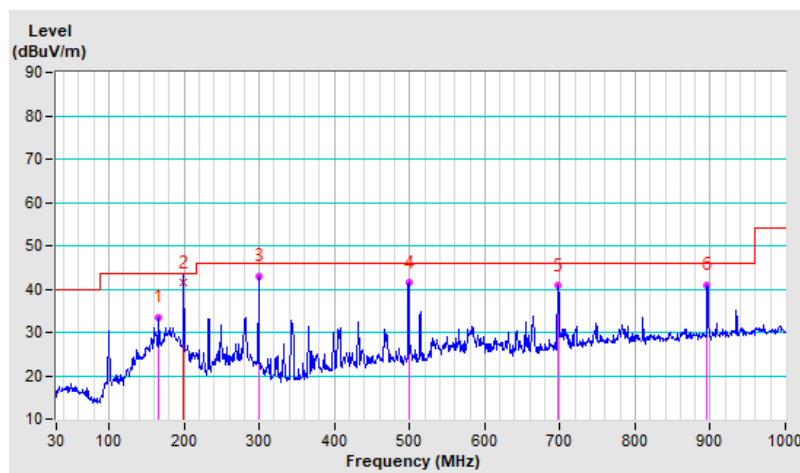
2Tx

RF Mode	802.11be (EHT20)	Channel	CH 1 : 5955 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	166.28	33.4 QP	43.5	-10.1	2.00 H	329	46.6	-13.2
2	199.54	41.4 QP	43.5	-2.1	1.25 H	332	57.6	-16.2
3	299.30	42.8 QP	46.0	-3.2	1.00 H	186	55.1	-12.3
4	498.87	41.4 QP	46.0	-4.6	2.00 H	133	48.8	-7.4
5	697.04	40.7 QP	46.0	-5.3	1.25 H	132	44.1	-3.4
6	896.19	41.0 QP	46.0	-5.0	1.25 H	285	41.3	-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.

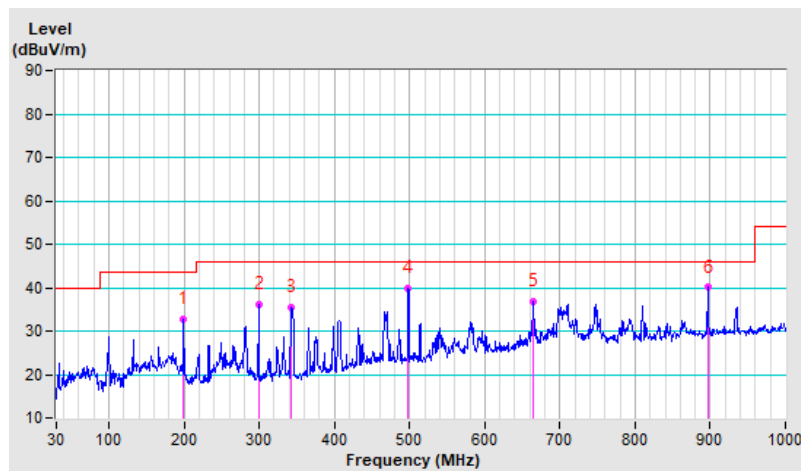


RF Mode	802.11be (EHT20)	Channel	CH 1 : 5955 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 65% RH
Tested By	Tank Wu		

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	199.17	32.8 QP	43.5	-10.7	2.00 V	257	49.0	-16.2
2	299.30	36.2 QP	46.0	-9.8	1.25 V	242	48.5	-12.3
3	343.04	35.5 QP	46.0	-10.5	1.25 V	208	46.9	-11.4
4	497.90	39.8 QP	46.0	-6.2	2.00 V	273	47.2	-7.4
5	665.13	36.9 QP	46.0	-9.1	1.25 V	360	40.9	-4.0
6	897.98	40.0 QP	46.0	-6.0	1.25 V	255	40.3	-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

under control of low power indoor AP

Mode A

1Tx

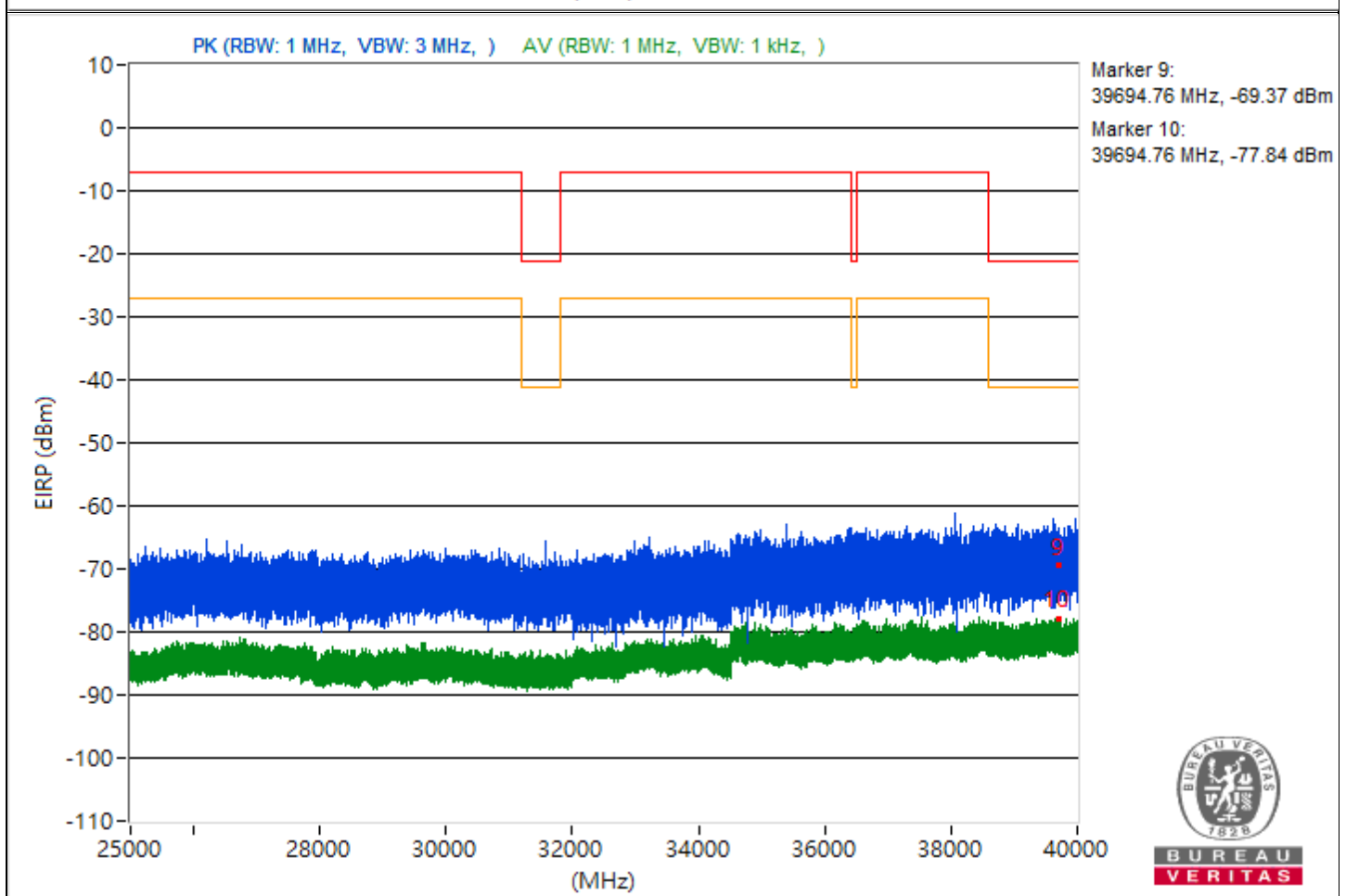
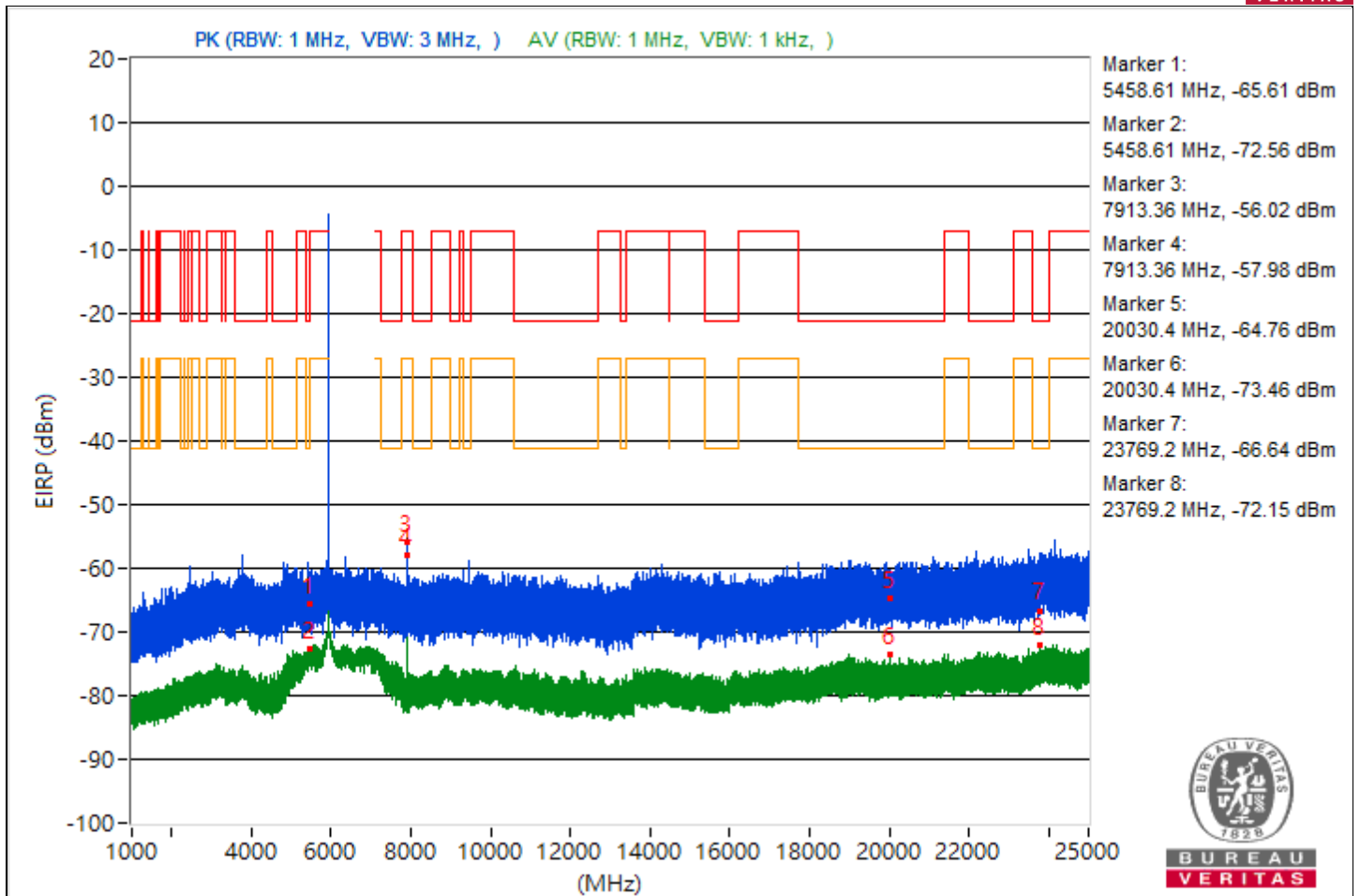
Conducted Unwanted Emissions

RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 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)	Correction Factor (dB)	EIRP Level (dBm)
1	5458.61	29.65 PK	74	-44.35	-70.77	5.16	-65.61
2	5458.61	22.7 AV	54	-31.3	-77.72	5.16	-72.56
3	#7913.36	39.24 PK	88.26	-49.02	-61.18	5.16	-56.02
4	#7913.36	37.28 AV	68.26	-30.98	-63.14	5.16	-57.98
5	20030.4	30.5 PK	74	-43.5	-69.92	5.16	-64.76
6	20030.4	21.8 AV	54	-32.2	-78.62	5.16	-73.46
7	23769.2	28.62 PK	74	-45.38	-71.8	5.16	-66.64
8	23769.2	23.11 AV	54	-30.89	-77.31	5.16	-72.15
9	39694.76	25.89 PK	74	-48.11	-74.53	5.16	-69.37
10	39694.76	17.42 AV	54	-36.58	-83	5.16	-77.84

Notes:

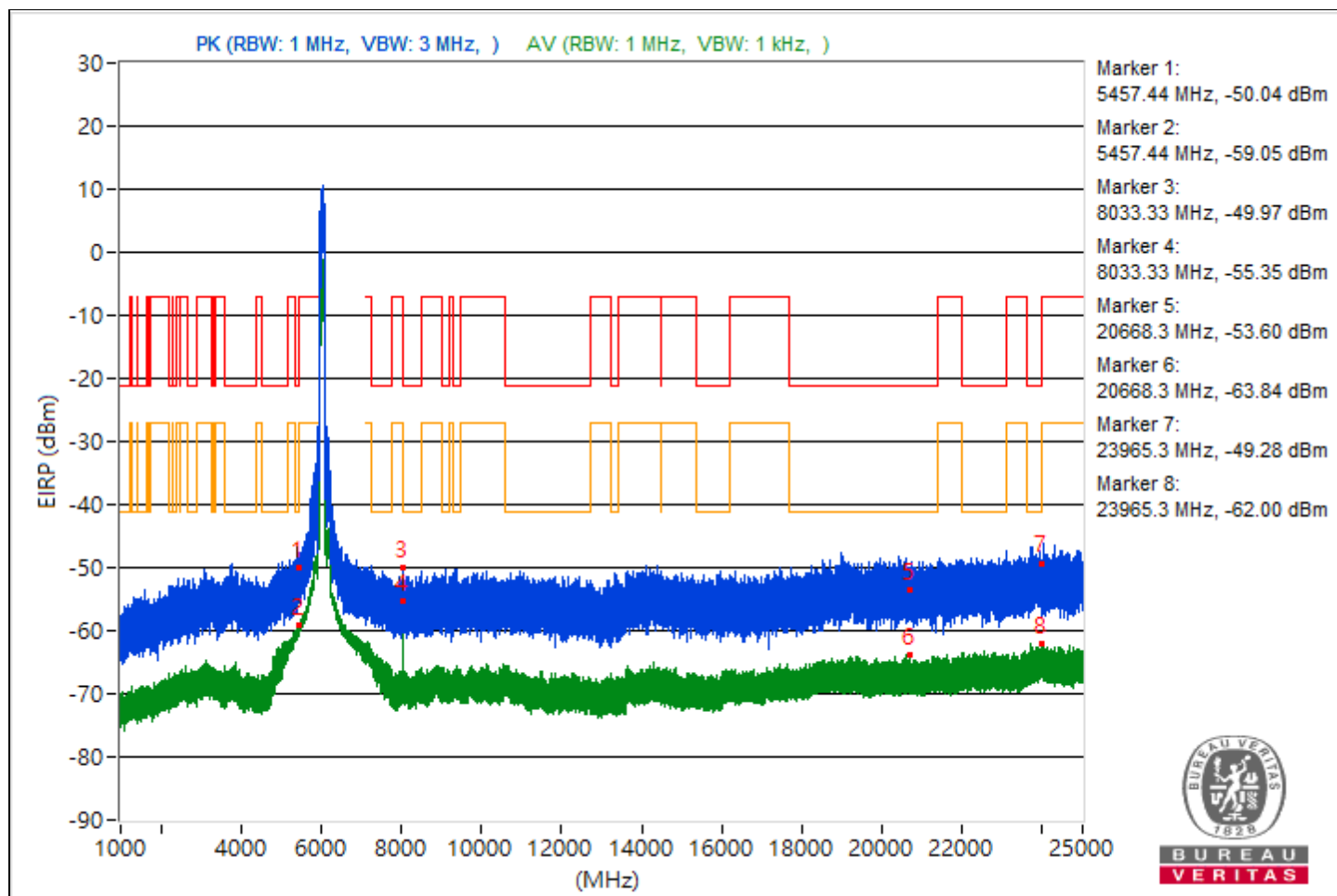
1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.

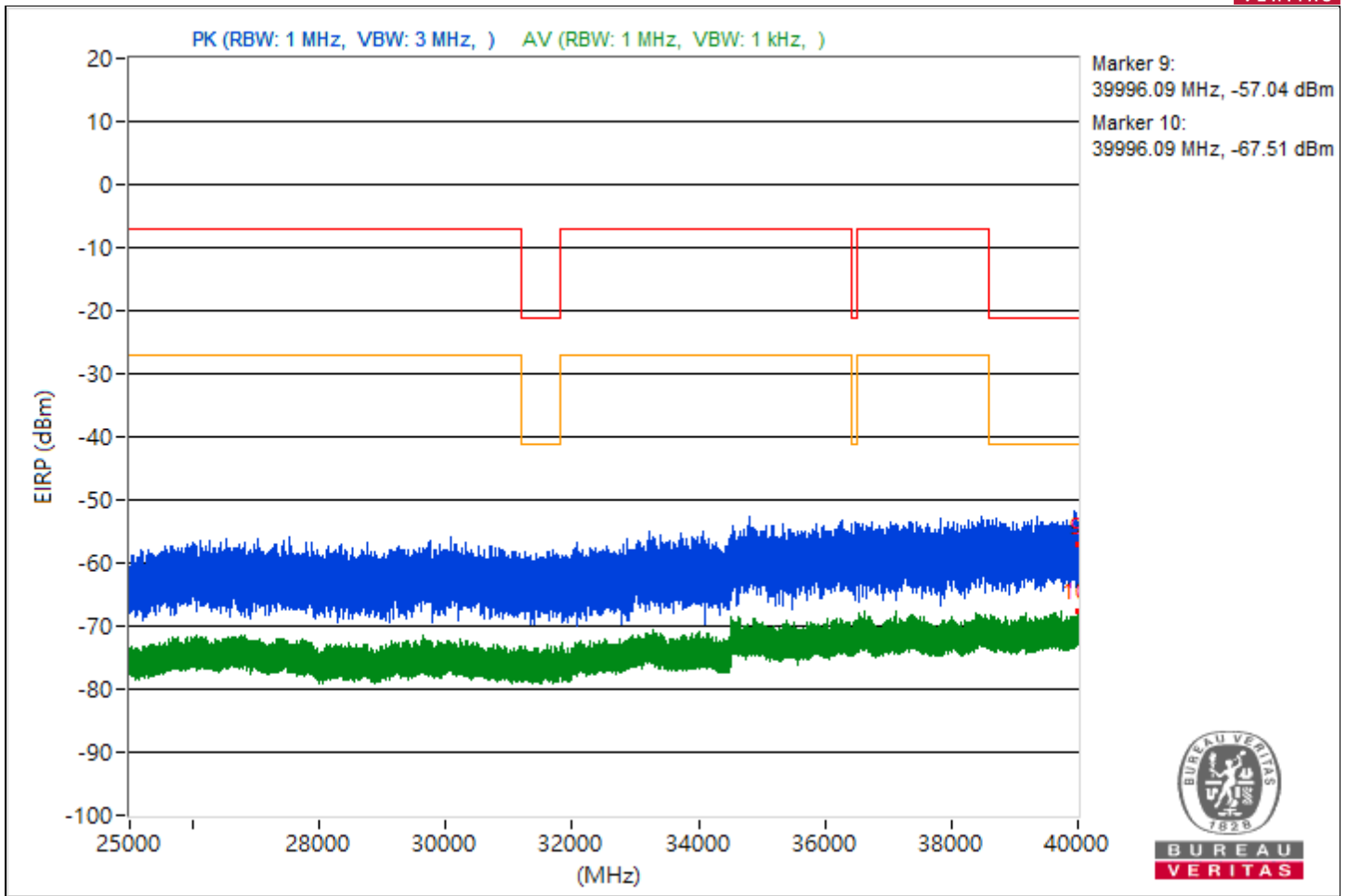


RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5457.44	45.22 PK	74	-28.78	-55.2	5.16	-50.04
2	5457.44	36.21 AV	54	-17.79	-64.21	5.16	-59.05
3	8033.33	45.29 PK	74	-28.71	-55.13	5.16	-49.97
4	8033.33	39.91 AV	54	-14.09	-60.51	5.16	-55.35
5	20668.3	41.66 PK	74	-32.34	-58.76	5.16	-53.6
6	20668.3	31.42 AV	54	-22.58	-69	5.16	-63.84
7	23965.3	45.98 PK	74	-28.02	-54.44	5.16	-49.28
8	23965.3	33.26 AV	54	-20.74	-67.16	5.16	-62
9	39996.09	38.22 PK	74	-35.78	-62.2	5.16	-57.04
10	39996.09	27.75 AV	54	-26.25	-72.67	5.16	-67.51

Note: Margin value = Emission Level - Limit value

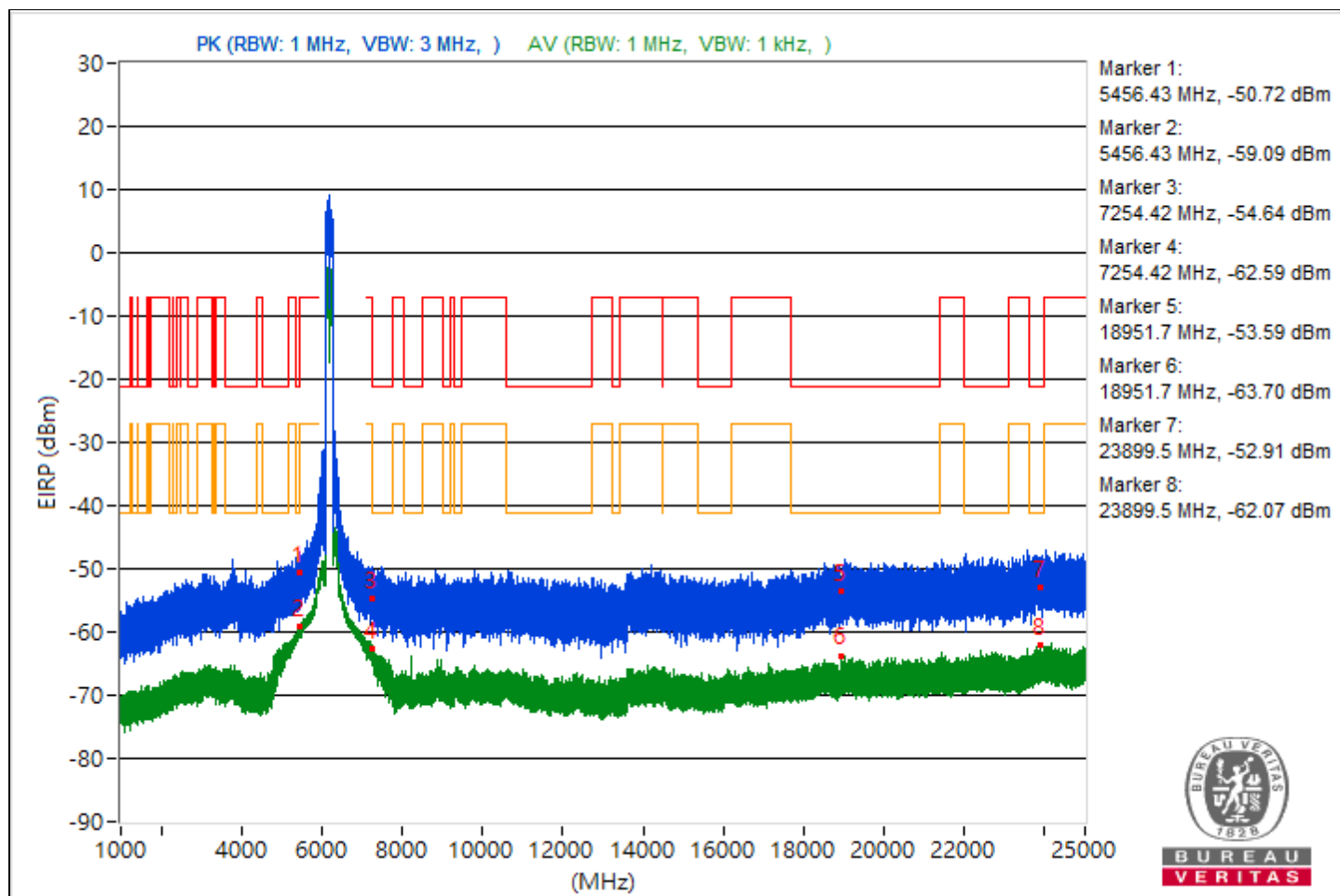


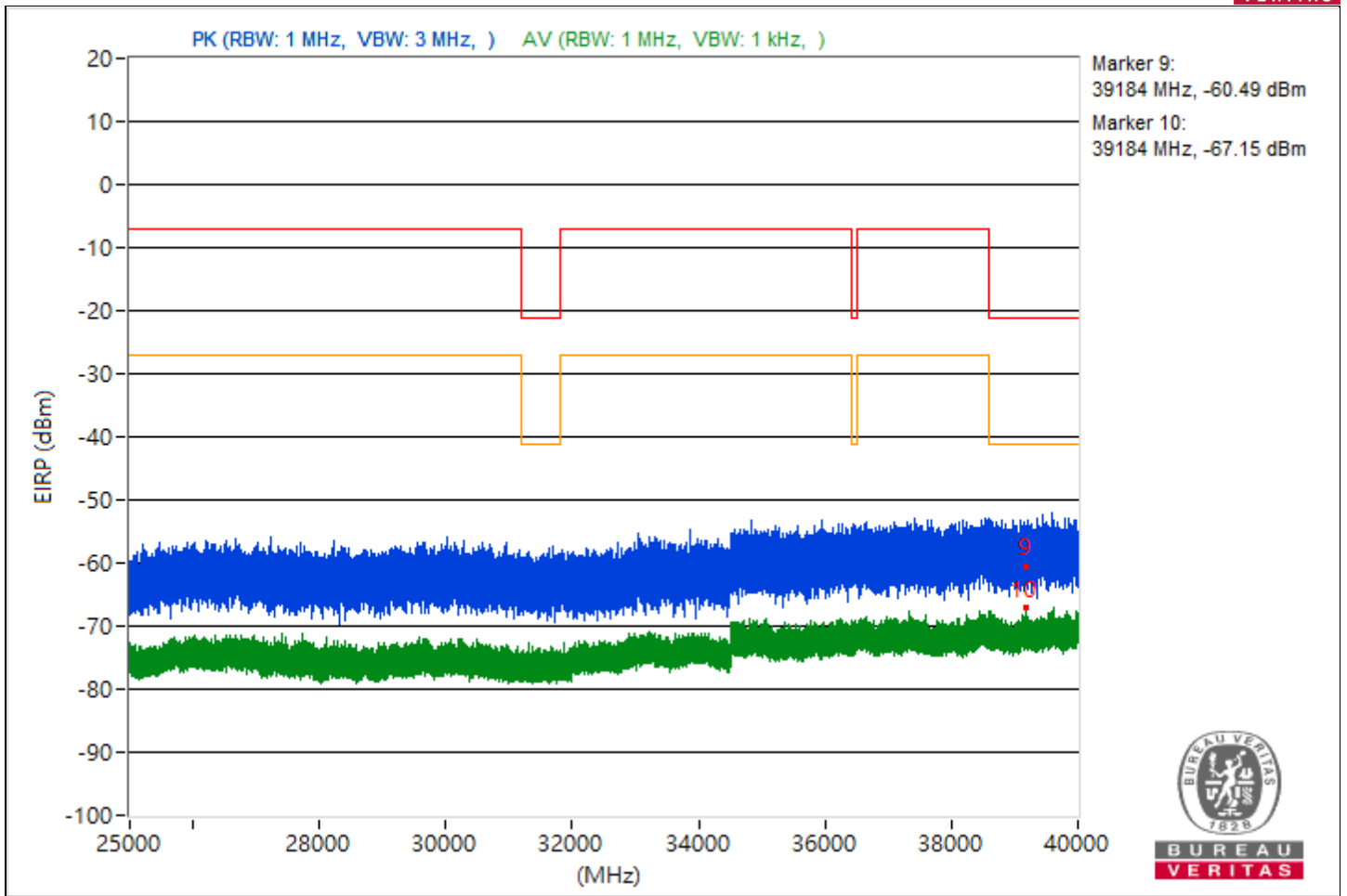


RF Mode	802.11be (EHT160)	Channel	CH 47 : 6185 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5456.43	44.54 PK	74	-29.46	-55.88	5.16	-50.72
2	5456.43	36.17 AV	54	-17.83	-64.25	5.16	-59.09
3	7254.42	40.62 PK	74	-33.38	-59.8	5.16	-54.64
4	7254.42	32.67 AV	54	-21.33	-67.75	5.16	-62.59
5	18951.7	41.67 PK	74	-32.33	-58.75	5.16	-53.59
6	18951.7	31.56 AV	54	-22.44	-68.86	5.16	-63.7
7	23899.5	42.35 PK	74	-31.65	-58.07	5.16	-52.91
8	23899.5	33.19 AV	54	-20.81	-67.23	5.16	-62.07
9	39184	34.77 PK	74	-39.23	-65.65	5.16	-60.49
10	39184	28.11 AV	54	-25.89	-72.31	5.16	-67.15

Note: Margin value = Emission Level - Limit value

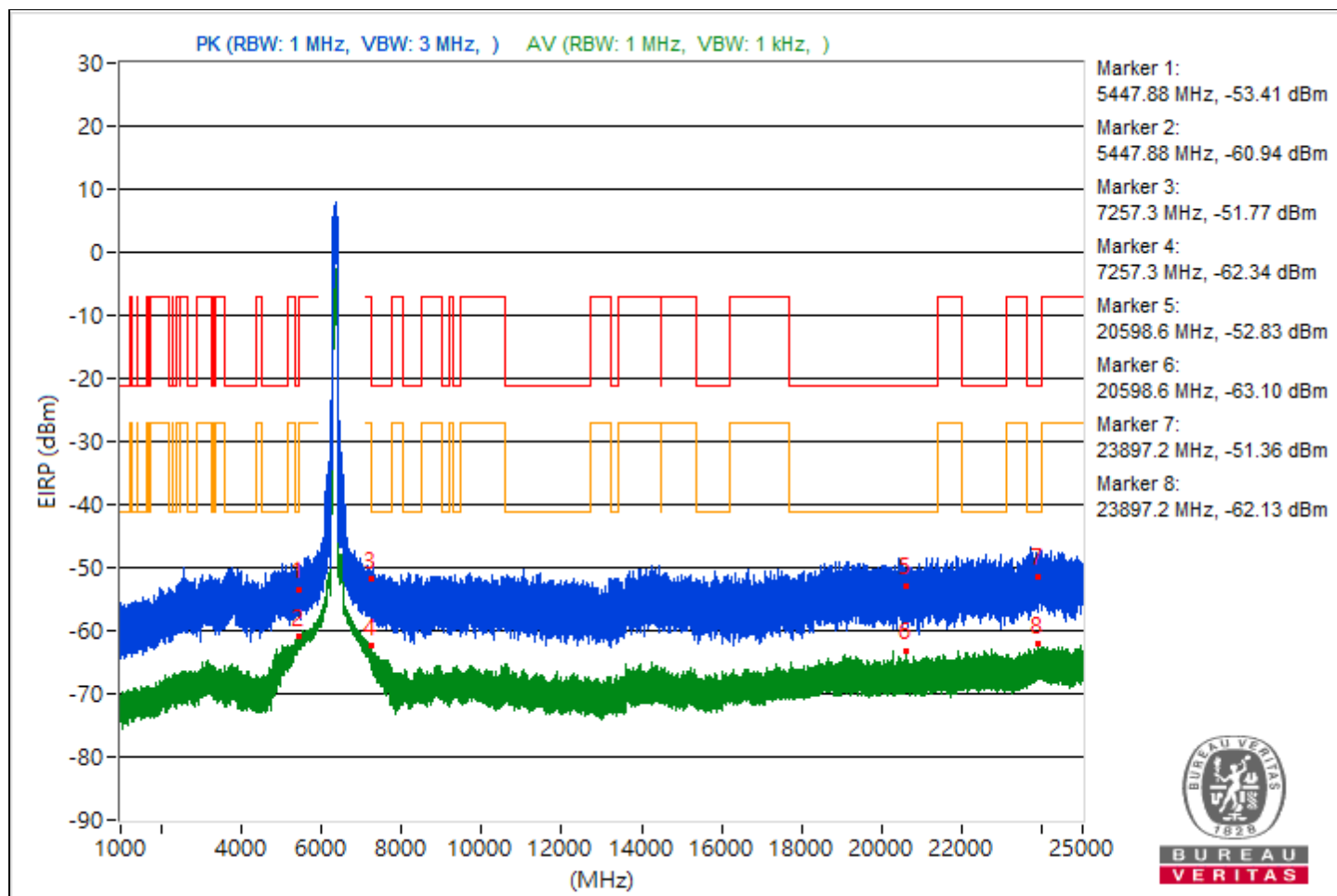


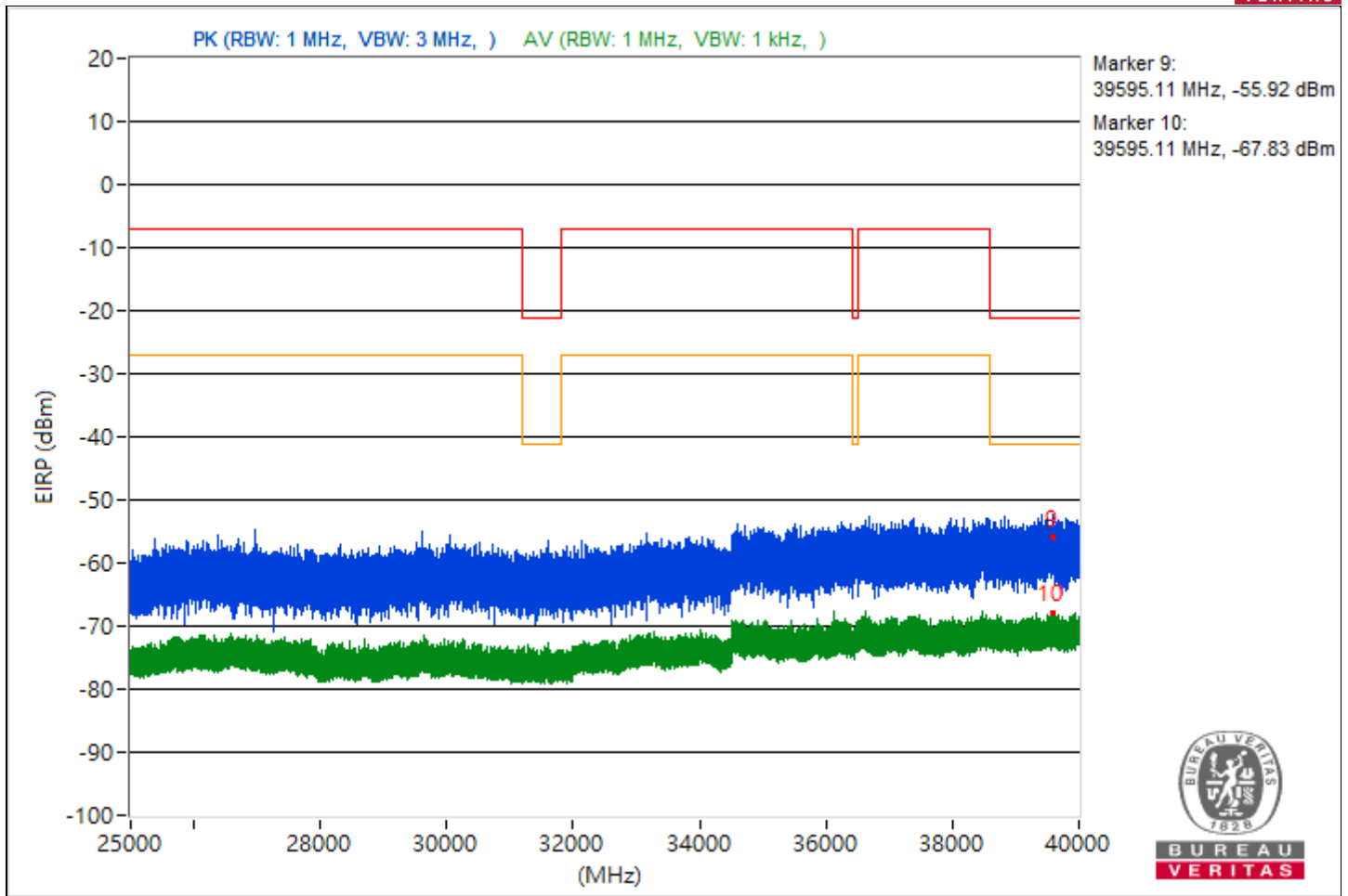


RF Mode	802.11be (EHT160)	Channel	CH 79 : 6345 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5447.88	41.85 PK	74	-32.15	-58.57	5.16	-53.41
2	5447.88	34.32 AV	54	-19.68	-66.1	5.16	-60.94
3	7257.3	43.49 PK	74	-30.51	-56.93	5.16	-51.77
4	7257.3	32.92 AV	54	-21.08	-67.5	5.16	-62.34
5	20598.6	42.43 PK	74	-31.57	-57.99	5.16	-52.83
6	20598.6	32.16 AV	54	-21.84	-68.26	5.16	-63.1
7	23897.2	43.9 PK	74	-30.1	-56.52	5.16	-51.36
8	23897.2	33.13 AV	54	-20.87	-67.29	5.16	-62.13
9	39595.11	39.34 PK	74	-34.66	-61.08	5.16	-55.92
10	39595.11	27.43 AV	54	-26.57	-72.99	5.16	-67.83

Note: Margin value = Emission Level - Limit value

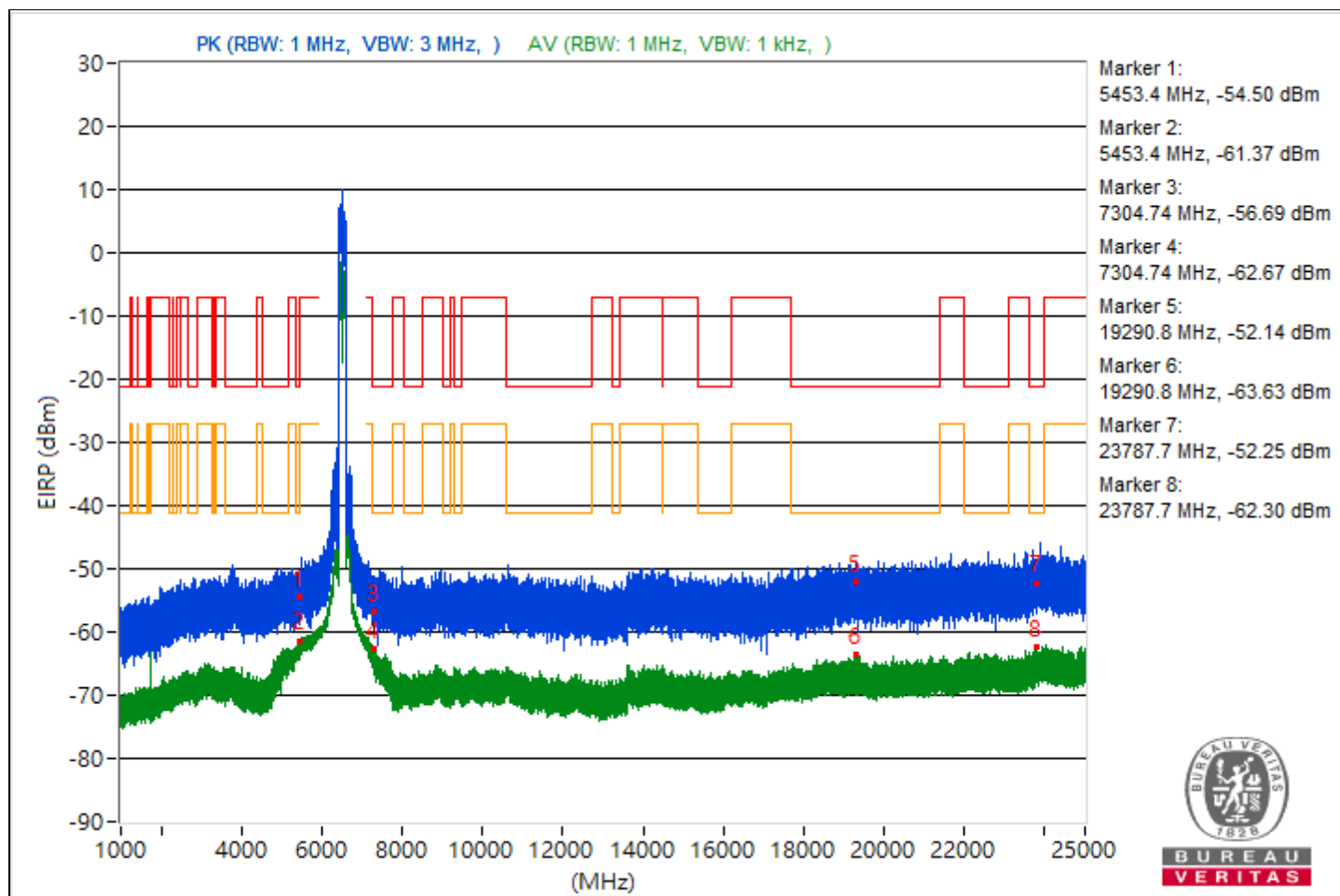


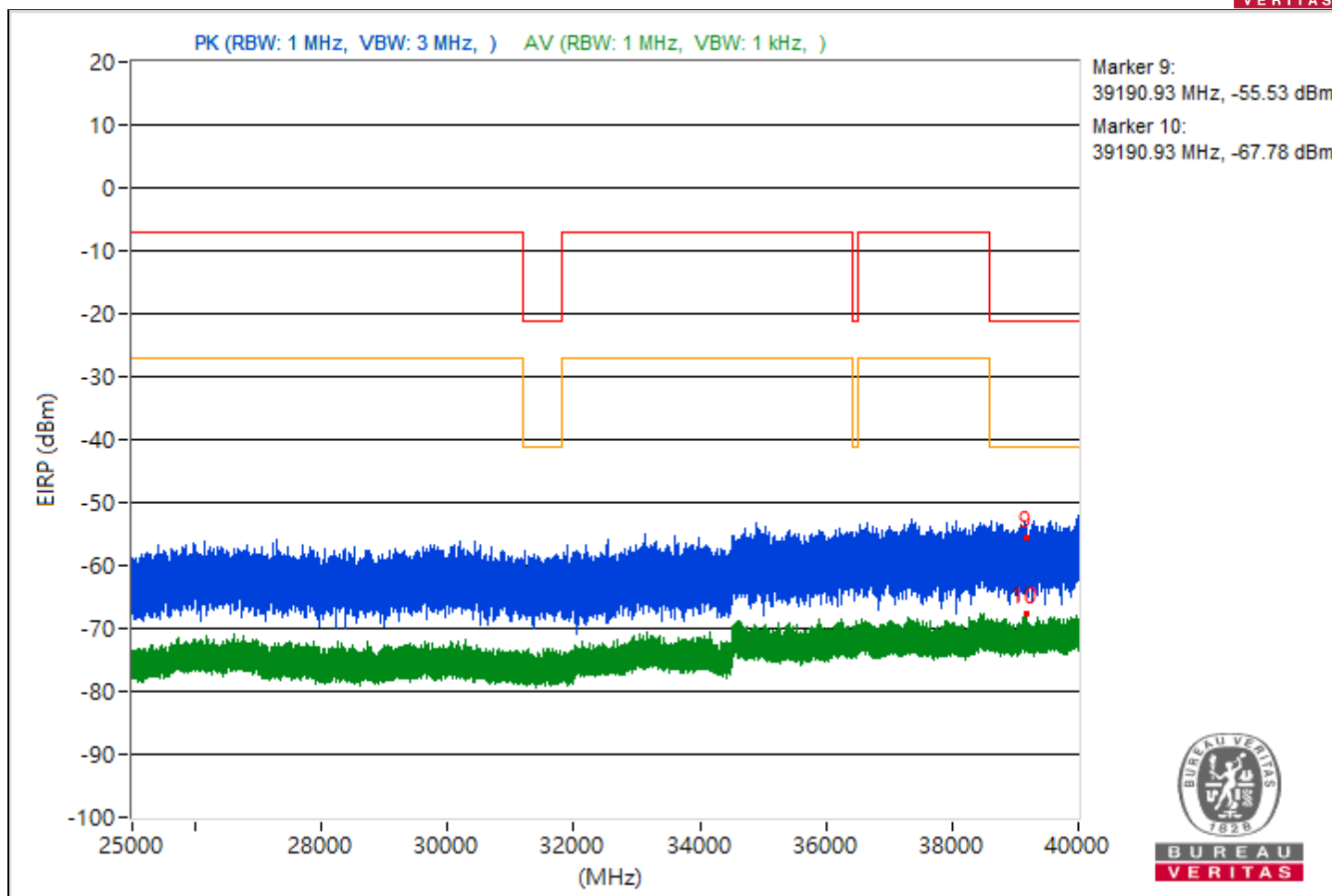


RF Mode	802.11be (EHT160)	Channel	CH 111 : 6505 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5453.4	40.76 PK	74	-33.24	-59.66	5.16	-54.5
2	5453.4	33.89 AV	54	-20.11	-66.53	5.16	-61.37
3	7304.74	38.57 PK	74	-35.43	-61.85	5.16	-56.69
4	7304.74	32.59 AV	54	-21.41	-67.83	5.16	-62.67
5	19290.8	43.12 PK	74	-30.88	-57.3	5.16	-52.14
6	19290.8	31.63 AV	54	-22.37	-68.79	5.16	-63.63
7	23787.7	43.01 PK	74	-30.99	-57.41	5.16	-52.25
8	23787.7	32.96 AV	54	-21.04	-67.46	5.16	-62.3
9	39190.93	39.73 PK	74	-34.27	-60.69	5.16	-55.53
10	39190.93	27.48 AV	54	-26.52	-72.94	5.16	-67.78

Note: Margin value = Emission Level - Limit value

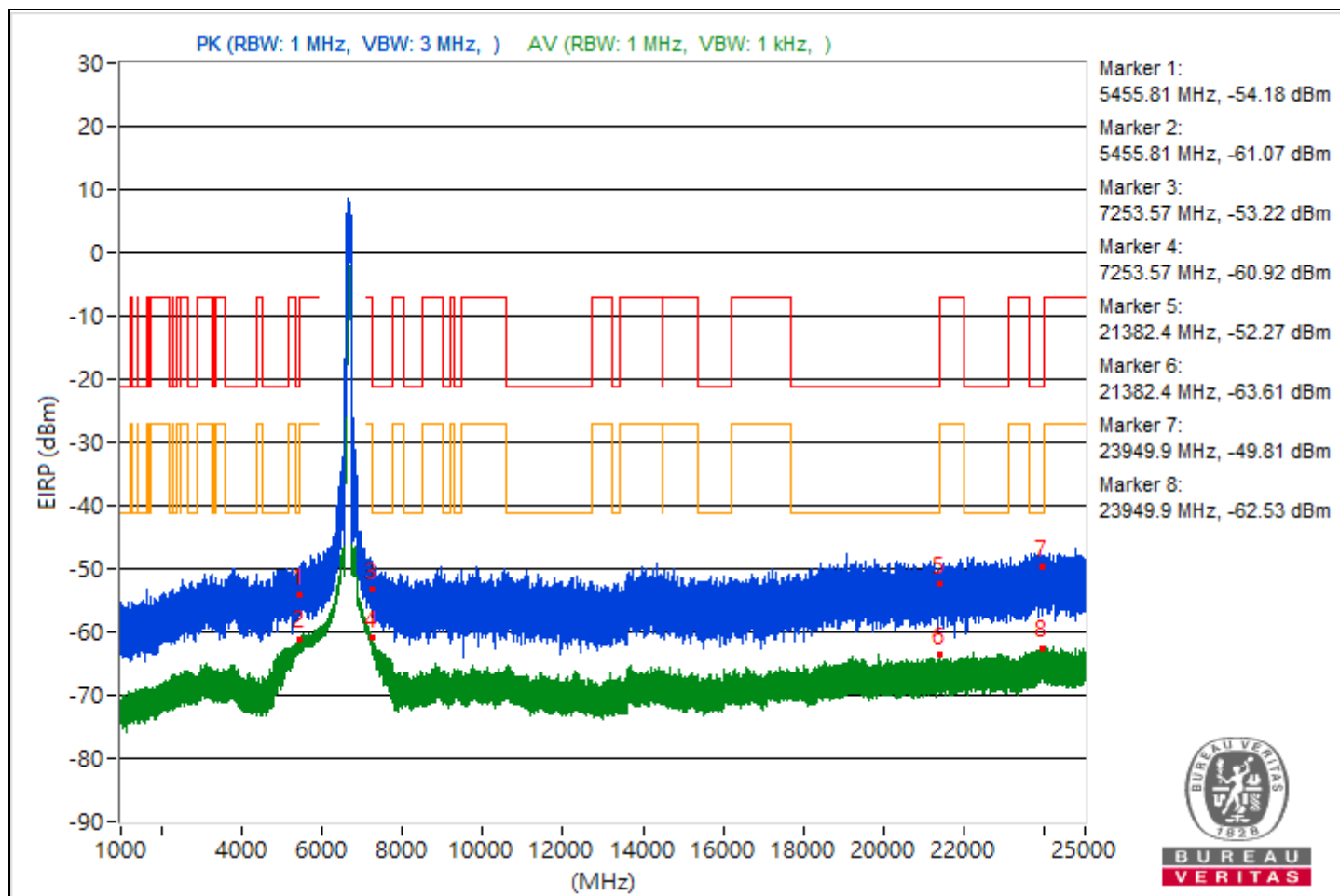


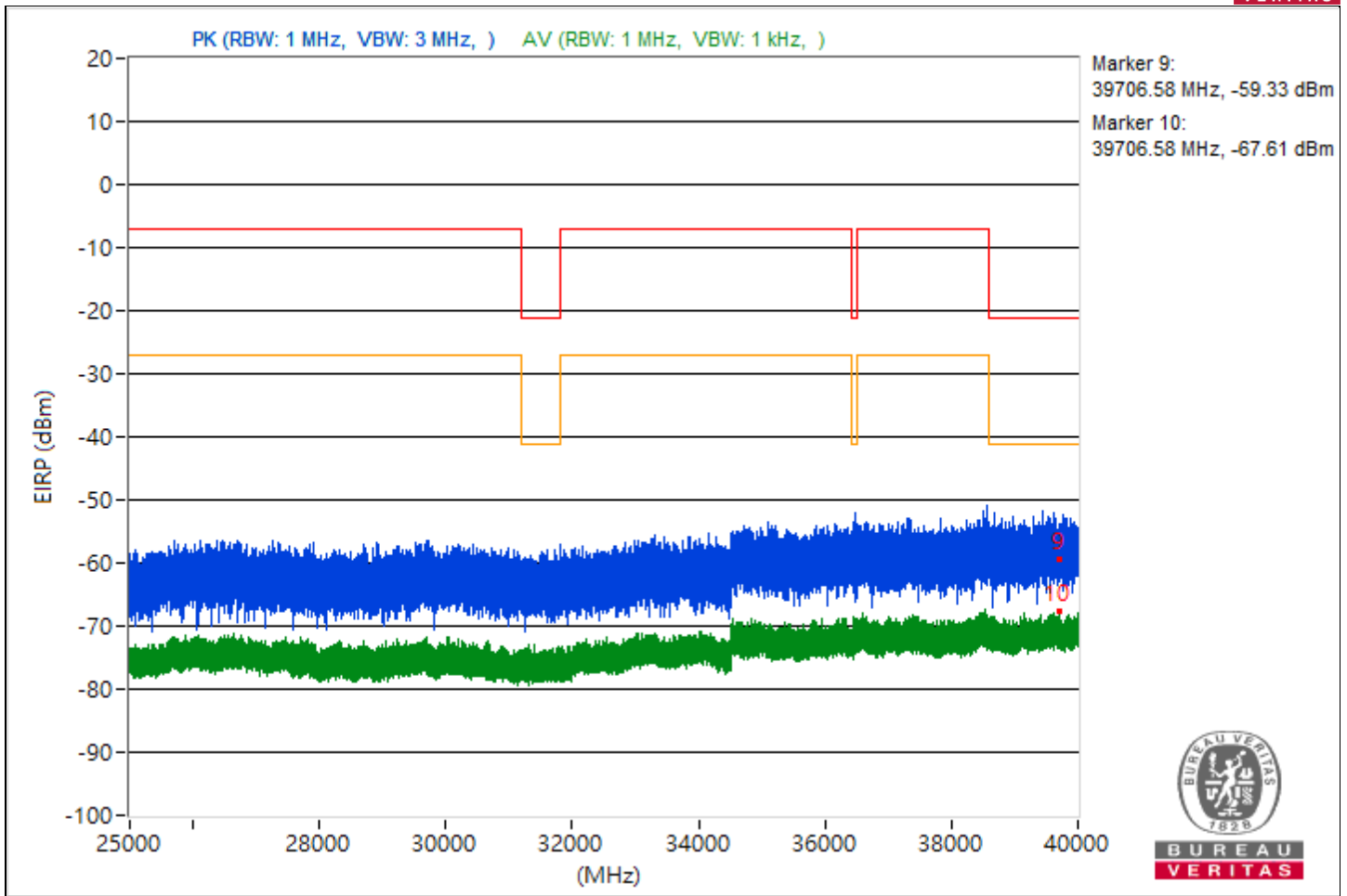


RF Mode	802.11be (EHT160)	Channel	CH 143 : 6665 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5455.81	41.08 PK	74	-32.92	-59.34	5.16	-54.18
2	5455.81	34.19 AV	54	-19.81	-66.23	5.16	-61.07
3	7253.57	42.04 PK	74	-31.96	-58.38	5.16	-53.22
4	7253.57	34.34 AV	54	-19.66	-66.08	5.16	-60.92
5	21382.4	42.99 PK	74	-31.01	-57.43	5.16	-52.27
6	21382.4	31.65 AV	54	-22.35	-68.77	5.16	-63.61
7	23949.9	45.45 PK	74	-28.55	-54.97	5.16	-49.81
8	23949.9	32.73 AV	54	-21.27	-67.69	5.16	-62.53
9	39706.58	35.93 PK	74	-38.07	-64.49	5.16	-59.33
10	39706.58	27.65 AV	54	-26.35	-72.77	5.16	-67.61

Note: Margin value = Emission Level - Limit value

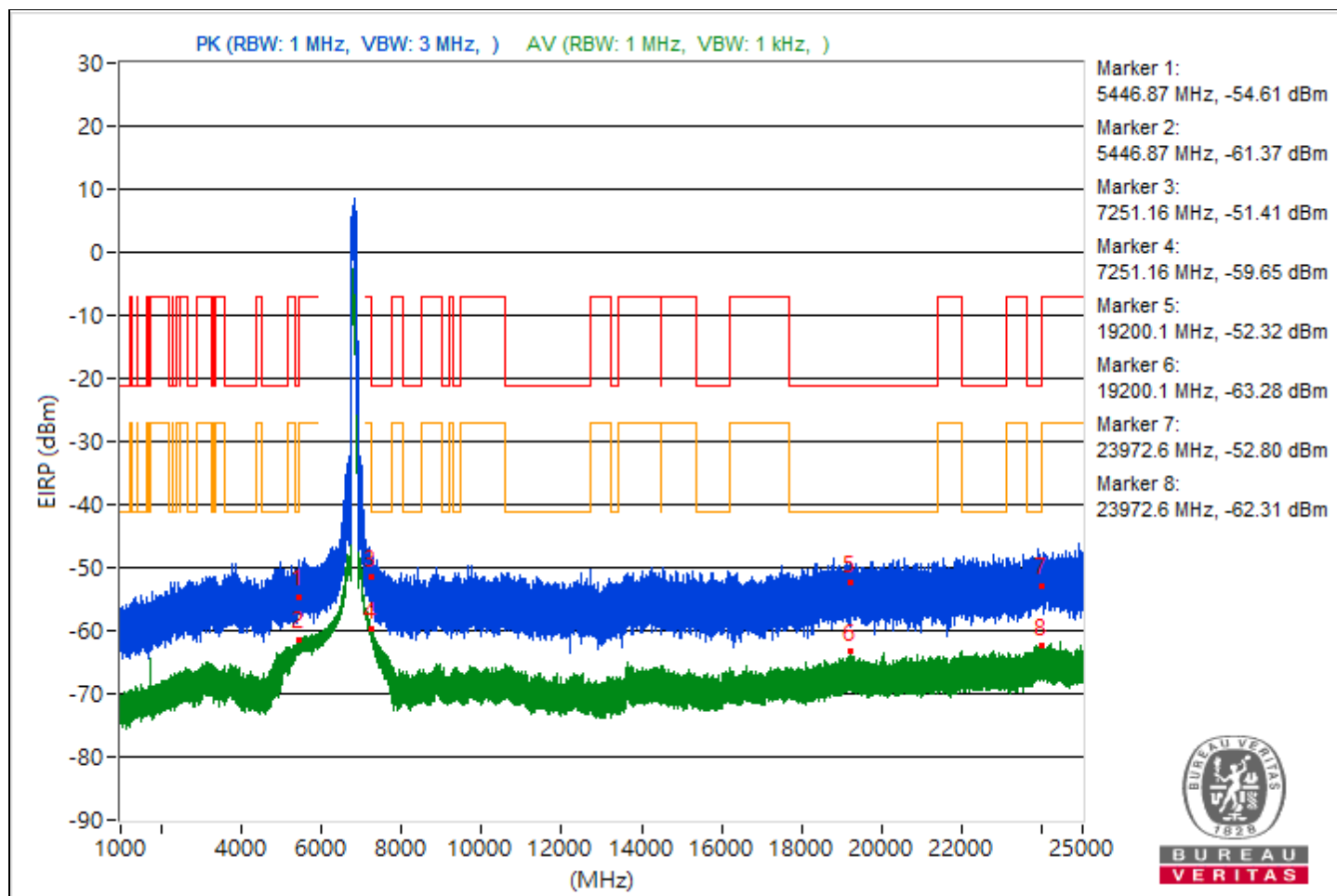


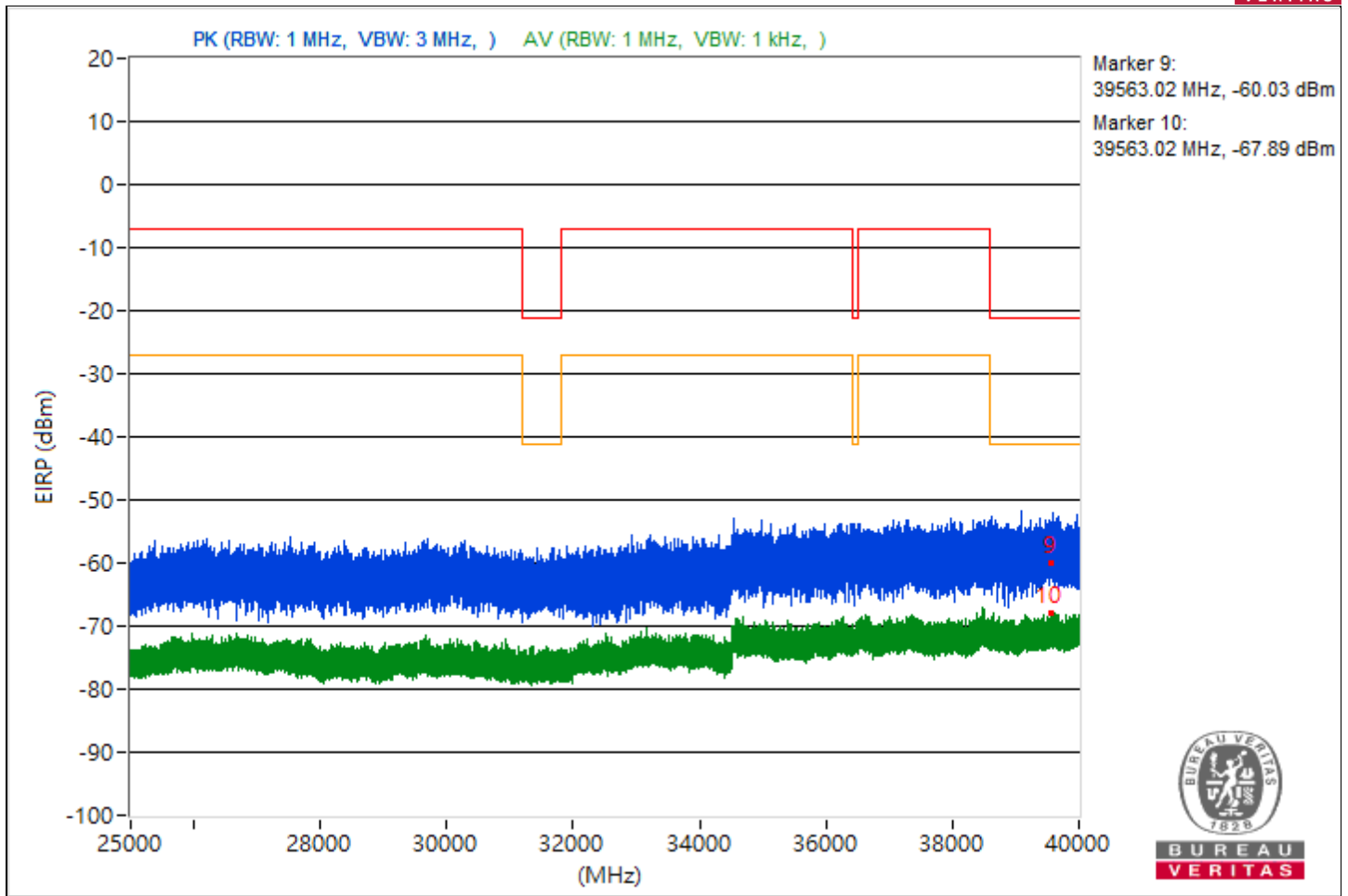


RF Mode	802.11be (EHT160)	Channel	CH 175 : 6825 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5446.87	40.65 PK	74	-33.35	-59.77	5.16	-54.61
2	5446.87	33.89 AV	54	-20.11	-66.53	5.16	-61.37
3	7251.16	43.85 PK	74	-30.15	-56.57	5.16	-51.41
4	7251.16	35.61 AV	54	-18.39	-64.81	5.16	-59.65
5	19200.1	42.94 PK	74	-31.06	-57.48	5.16	-52.32
6	19200.1	31.98 AV	54	-22.02	-68.44	5.16	-63.28
7	23972.6	42.46 PK	74	-31.54	-57.96	5.16	-52.8
8	23972.6	32.95 AV	54	-21.05	-67.47	5.16	-62.31
9	39563.02	35.23 PK	74	-38.77	-65.19	5.16	-60.03
10	39563.02	27.37 AV	54	-26.63	-73.05	5.16	-67.89

Note: Margin value = Emission Level - Limit value

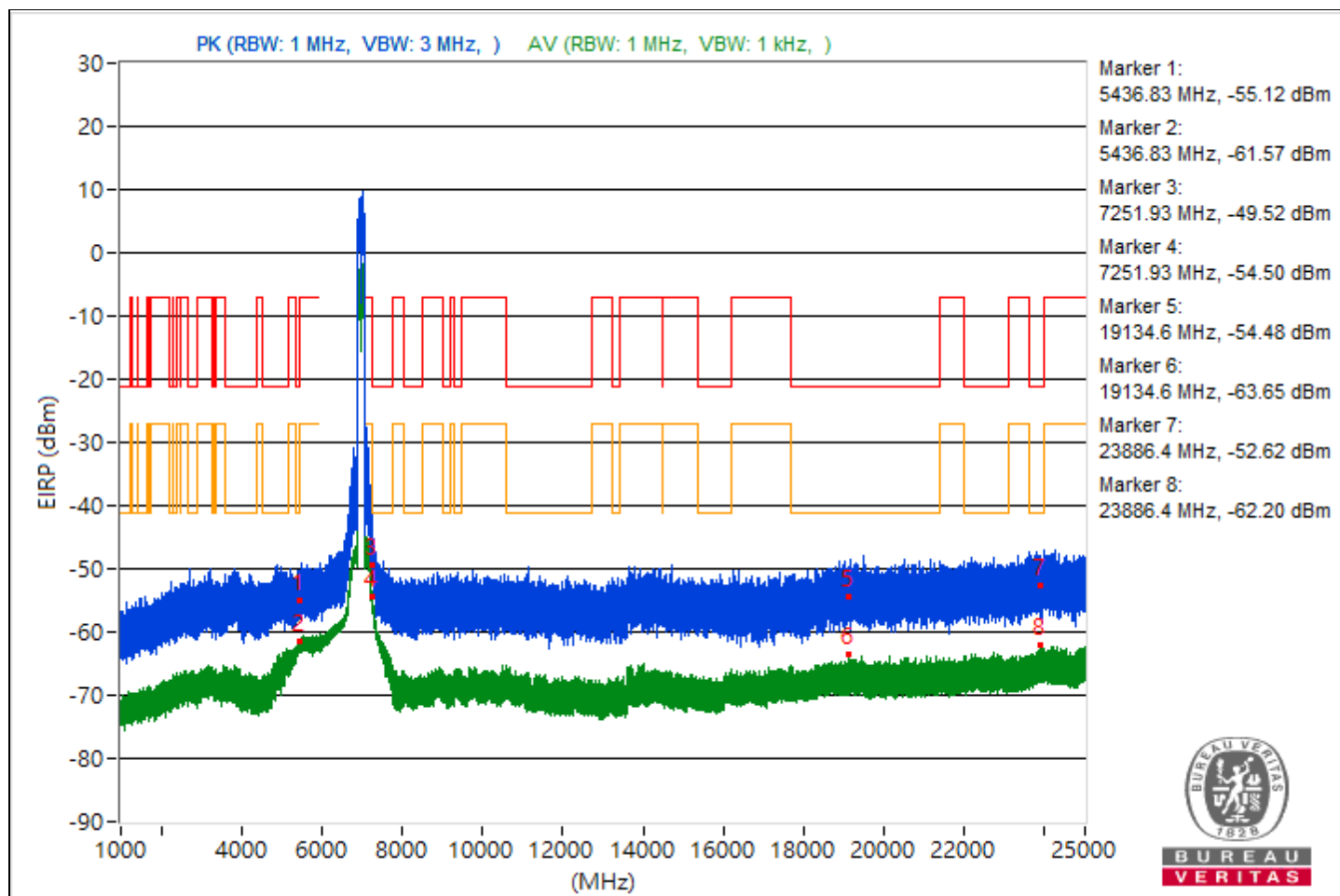


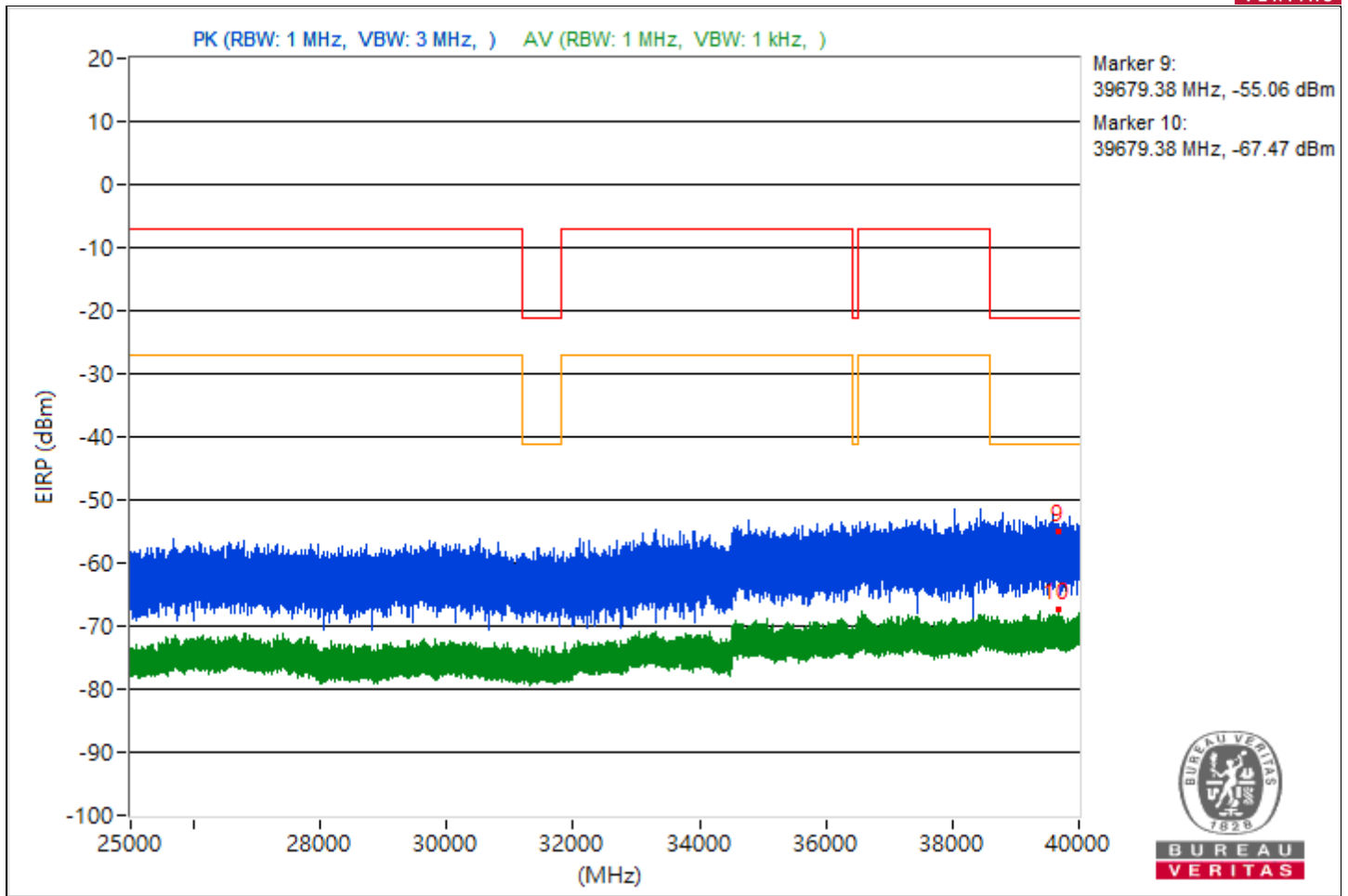


RF Mode	802.11be (EHT160)	Channel	CH 207 : 6985 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5436.83	40.14 PK	74	-33.86	-60.28	5.16	-55.12
2	5436.83	33.69 AV	54	-20.31	-66.73	5.16	-61.57
3	7251.93	45.74 PK	74	-28.26	-54.68	5.16	-49.52
4	7251.93	40.76 AV	54	-13.24	-59.66	5.16	-54.5
5	19134.6	40.78 PK	74	-33.22	-59.64	5.16	-54.48
6	19134.6	31.61 AV	54	-22.39	-68.81	5.16	-63.65
7	23886.4	42.64 PK	74	-31.36	-57.78	5.16	-52.62
8	23886.4	33.06 AV	54	-20.94	-67.36	5.16	-62.2
9	39679.38	40.2 PK	74	-33.8	-60.22	5.16	-55.06
10	39679.38	27.79 AV	54	-26.21	-72.63	5.16	-67.47

Note: Margin value = Emission Level - Limit value





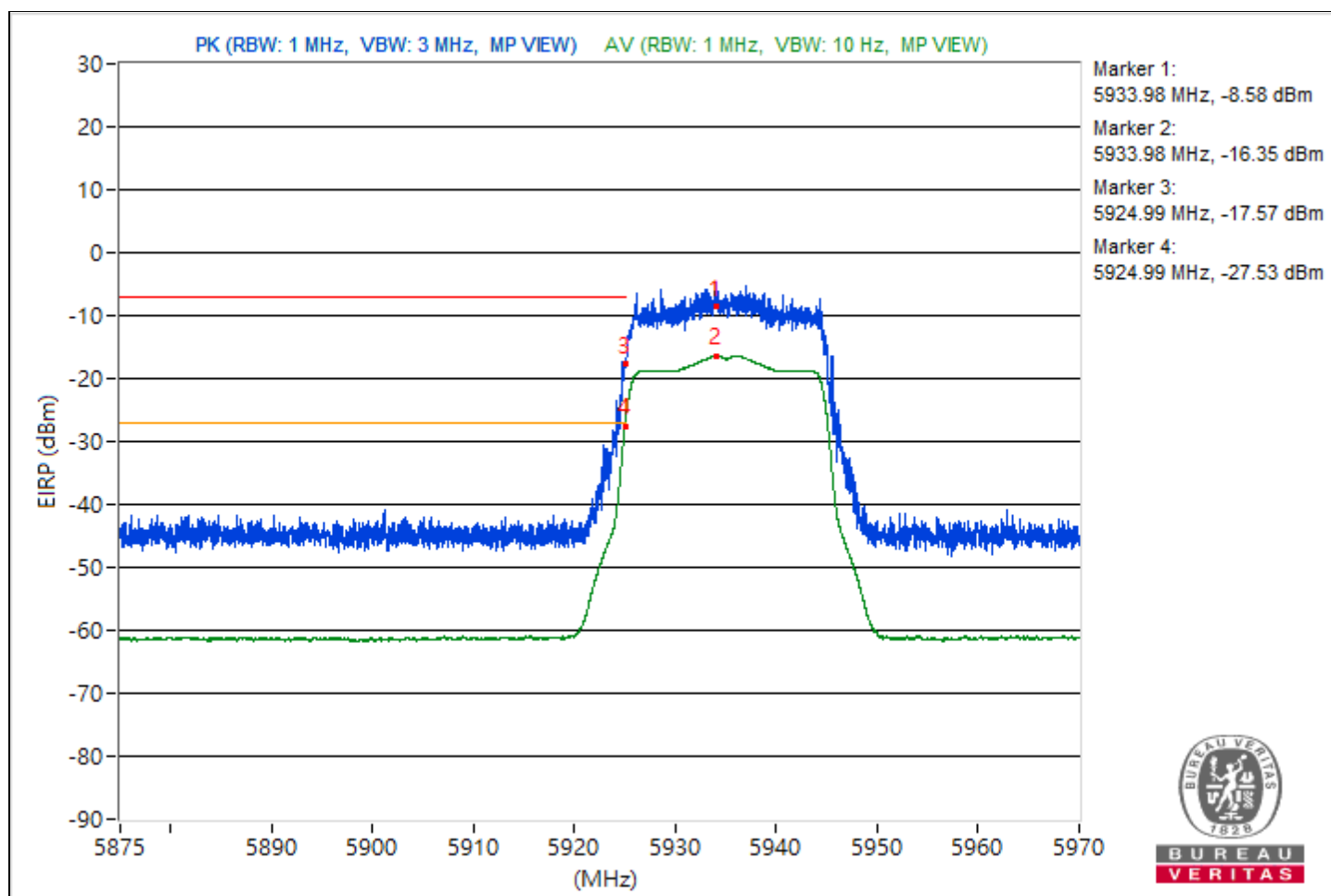
Conducted Band Edges

RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 MHz
Frequency Range	5.875 GHz ~ 5.97 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5933.98	86.68 PK			-13.72	5.14	-8.58
2	*5933.98	78.91 AV			-21.49	5.14	-16.35
3	#5924.99	77.69 PK	88.26	-10.57	-22.71	5.14	-17.57
4	#5924.99	67.73 AV	68.26	-0.53	-32.67	5.14	-27.53

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.

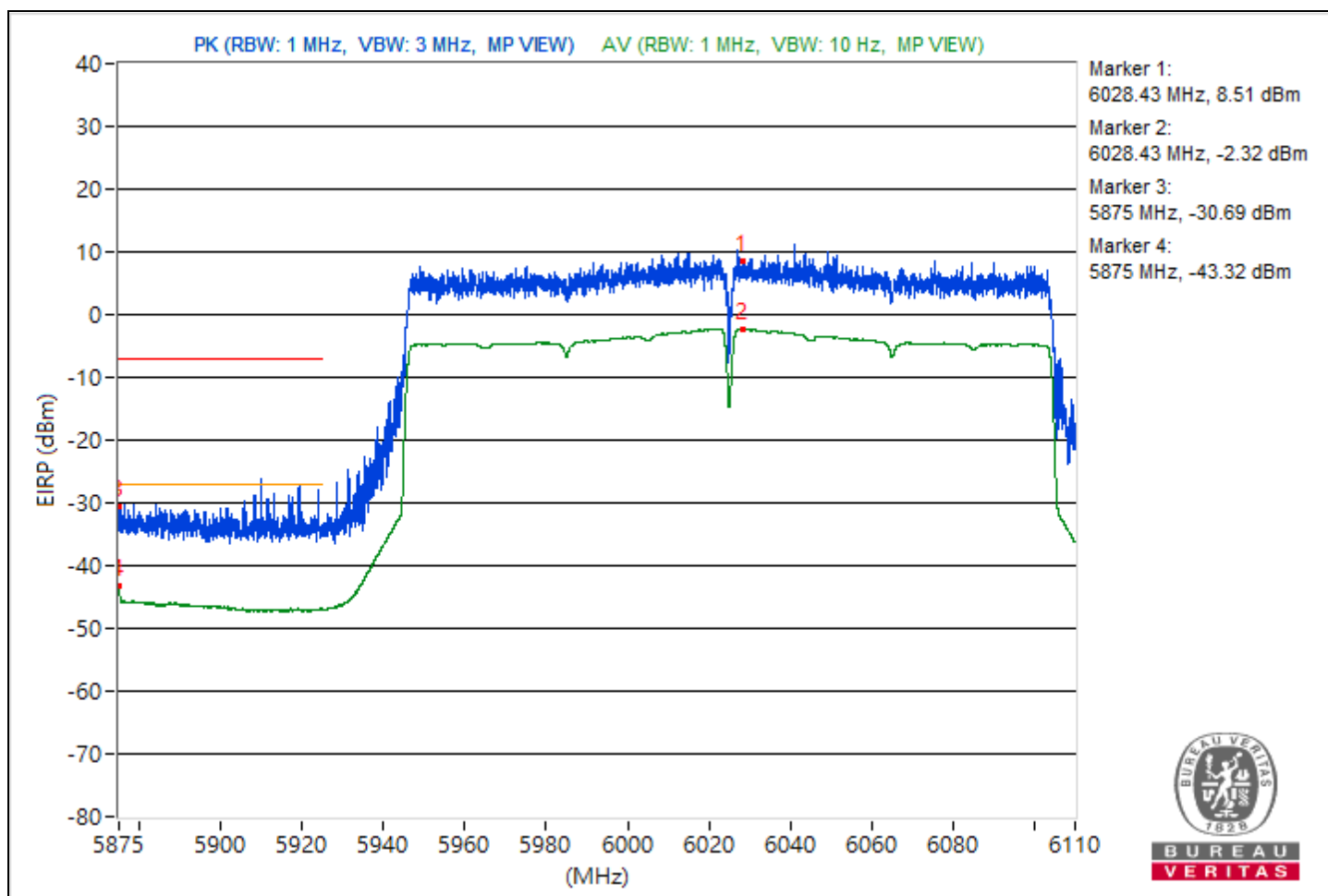


RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 MHz
Frequency Range	5.875 GHz ~ 6.11 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*6028.43	103.77 PK			3.37	5.14	8.51
2	*6028.43	92.94 AV			-7.46	5.14	-2.32
3	#5875	64.57 PK	88.26	-23.69	-35.83	5.14	-30.69
4	#5875	51.94 AV	68.26	-16.32	-48.46	5.14	-43.32

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.

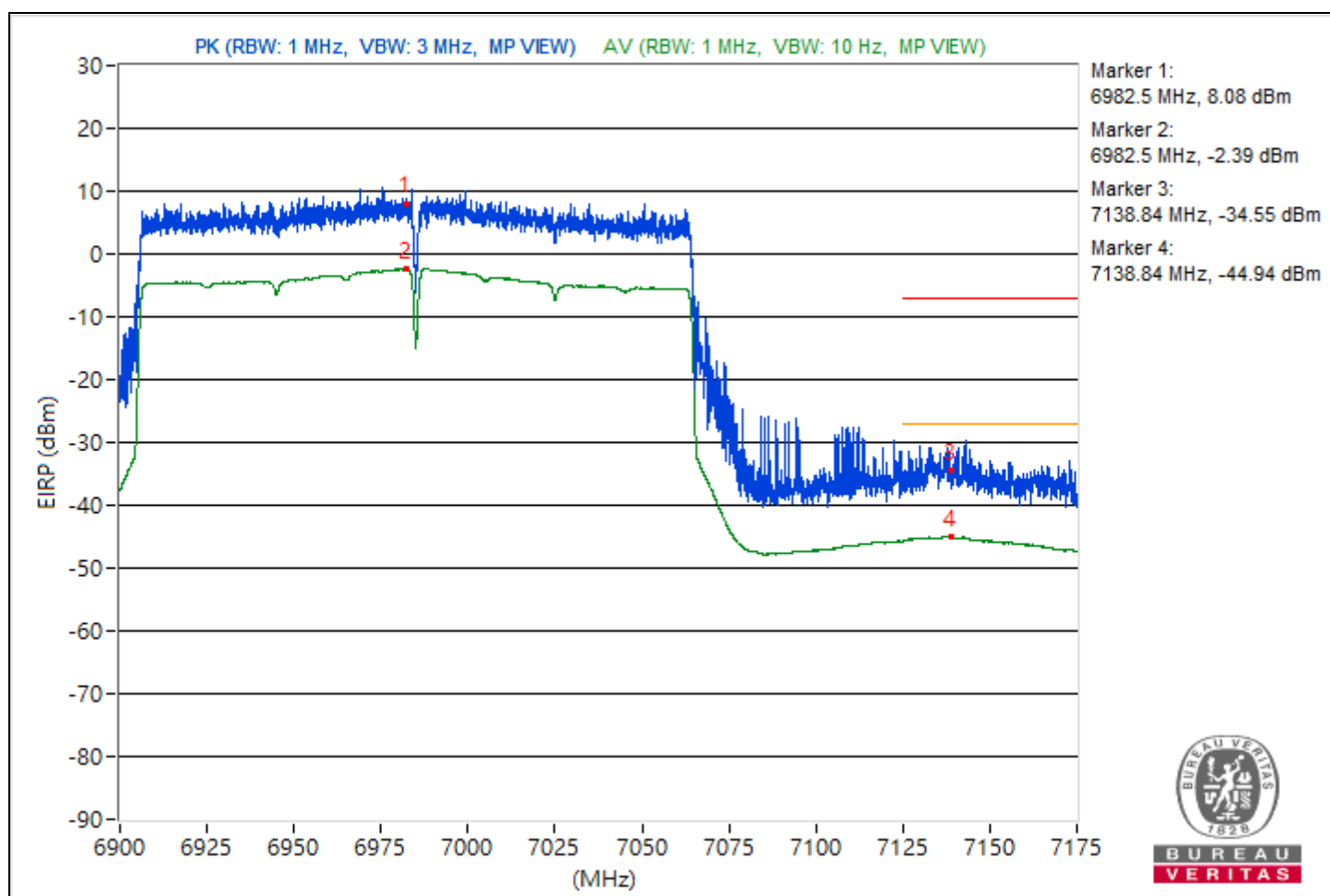


RF Mode	802.11be (EHT160)	Channel	CH 207 : 6985 MHz
Frequency Range	6.9 GHz ~ 7.175 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*6982.5	103.34 PK			2.96	5.12	8.08
2	*6982.5	92.87 AV			-7.51	5.12	-2.39
3	#7138.84	60.71 PK	88.26	-27.55	-39.67	5.12	-34.55
4	#7138.84	50.32 AV	68.26	-17.94	-50.06	5.12	-44.94

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

1Tx

RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 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	11870.00	50.3 PK	74.0	-23.7	1.71 H	246	35.0	15.3
2	11870.00	39.5 AV	54.0	-14.5	1.71 H	246	24.2	15.3
3	17805.00	61.4 PK	74.0	-12.6	1.59 H	212	34.8	26.6
4	17805.00	47.6 AV	54.0	-6.4	1.59 H	212	21.0	26.6
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	11870.00	49.3 PK	74.0	-24.7	1.37 V	212	34.0	15.3
2	11870.00	38.2 AV	54.0	-15.8	1.37 V	212	22.9	15.3
3	17805.00	60.2 PK	74.0	-13.8	1.26 V	168	33.6	26.6
4	17805.00	46.3 AV	54.0	-7.7	1.26 V	168	19.7	26.6

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 (EHT160)	Channel	CH 15 : 6025 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	12050.00	50.1 PK	74.0	-23.9	1.69 H	247	34.5	15.6
2	12050.00	39.2 AV	54.0	-14.8	1.69 H	247	23.6	15.6
3	18075.00	61.2 PK	74.0	-12.8	1.64 H	198	66.3	-5.1
4	18075.00	47.4 AV	54.0	-6.6	1.64 H	198	52.5	-5.1
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	12050.00	49.2 PK	74.0	-24.8	1.32 V	220	33.6	15.6
2	12050.00	38.3 AV	54.0	-15.7	1.32 V	220	22.7	15.6
3	18075.00	60.3 PK	74.0	-13.7	1.22 V	178	65.4	-5.1
4	18075.00	46.2 AV	54.0	-7.8	1.22 V	178	51.3	-5.1

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.

RF Mode	802.11be (EHT160)	Channel	CH 47 : 6185 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	12370.00	50.3 PK	74.0	-23.7	1.75 H	247	35.3	15.0
2	12370.00	39.4 AV	54.0	-14.6	1.75 H	247	24.4	15.0
3	18555.00	61.3 PK	74.0	-12.7	1.63 H	195	66.2	-4.9
4	18555.00	47.7 AV	54.0	-6.3	1.63 H	195	52.6	-4.9
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	12370.00	48.6 PK	74.0	-25.4	1.32 V	218	33.6	15.0
2	12370.00	37.8 AV	54.0	-16.2	1.32 V	218	22.8	15.0
3	18555.00	60.3 PK	74.0	-13.7	1.19 V	182	65.2	-4.9
4	18555.00	46.4 AV	54.0	-7.6	1.19 V	182	51.3	-4.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	802.11be (EHT160)	Channel	CH 79 : 6345 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	12690.00	50.6 PK	74.0	-23.4	1.75 H	239	35.7	14.9
2	12690.00	39.6 AV	54.0	-14.4	1.75 H	239	24.7	14.9
3	19035.00	61.8 PK	74.0	-12.2	1.63 H	181	66.5	-4.7
4	19035.00	47.9 AV	54.0	-6.1	1.63 H	181	52.6	-4.7
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	12690.00	48.7 PK	74.0	-25.3	1.36 V	217	33.8	14.9
2	12690.00	37.7 AV	54.0	-16.3	1.36 V	217	22.8	14.9
3	19035.00	60.7 PK	74.0	-13.3	1.18 V	181	65.4	-4.7
4	19035.00	46.7 AV	54.0	-7.3	1.18 V	181	51.4	-4.7

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.

RF Mode	802.11be (EHT160)	Channel	CH 111 : 6505 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	#13010.00	50.6 PK	88.2	-37.6	1.75 H	245	35.1	15.5
2	#13010.00	39.7 AV	68.2	-28.5	1.75 H	245	24.2	15.5
3	19515.00	61.9 PK	74.0	-12.1	1.67 H	166	65.1	-3.2
4	19515.00	47.9 AV	54.0	-6.1	1.67 H	166	51.1	-3.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#13010.00	48.2 PK	88.2	-40.0	1.38 V	217	32.7	15.5
2	#13010.00	37.4 AV	68.2	-30.8	1.38 V	217	21.9	15.5
3	19515.00	60.1 PK	74.0	-13.9	1.15 V	195	63.3	-3.2
4	19515.00	46.3 AV	54.0	-7.7	1.15 V	195	49.5	-3.2

Remarks:

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

RF Mode	802.11be (EHT160)	Channel	CH 143 : 6665 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	13330.00	50.3 PK	74.0	-23.7	1.75 H	239	32.9	17.4
2	13330.00	39.1 AV	54.0	-14.9	1.75 H	239	21.7	17.4
3	19995.00	61.7 PK	74.0	-12.3	1.63 H	171	65.8	-4.1
4	19995.00	47.7 AV	54.0	-6.3	1.63 H	171	51.8	-4.1
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	13330.00	47.9 PK	74.0	-26.1	1.40 V	232	30.5	17.4
2	13330.00	37.3 AV	54.0	-16.7	1.40 V	232	19.9	17.4
3	19995.00	60.3 PK	74.0	-13.7	1.19 V	189	64.4	-4.1
4	19995.00	46.7 AV	54.0	-7.3	1.19 V	189	50.8	-4.1

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.

RF Mode	802.11be (EHT160)	Channel	CH 175 : 6825 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	#13650.00	50.5 PK	88.2	-37.7	1.74 H	223	31.9	18.6
2	#13650.00	39.4 AV	68.2	-28.8	1.74 H	223	20.8	18.6
3	20475.00	61.9 PK	74.0	-12.1	1.64 H	155	64.9	-3.0
4	20475.00	47.6 AV	54.0	-6.4	1.64 H	155	50.6	-3.0
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	#13650.00	47.8 PK	88.2	-40.4	1.36 V	235	29.2	18.6
2	#13650.00	37.5 AV	68.2	-30.7	1.36 V	235	18.9	18.6
3	20475.00	59.6 PK	74.0	-14.4	1.17 V	186	62.6	-3.0
4	20475.00	46.3 AV	54.0	-7.7	1.17 V	186	49.3	-3.0

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	802.11be (EHT160)	Channel	CH 207 : 6985 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		

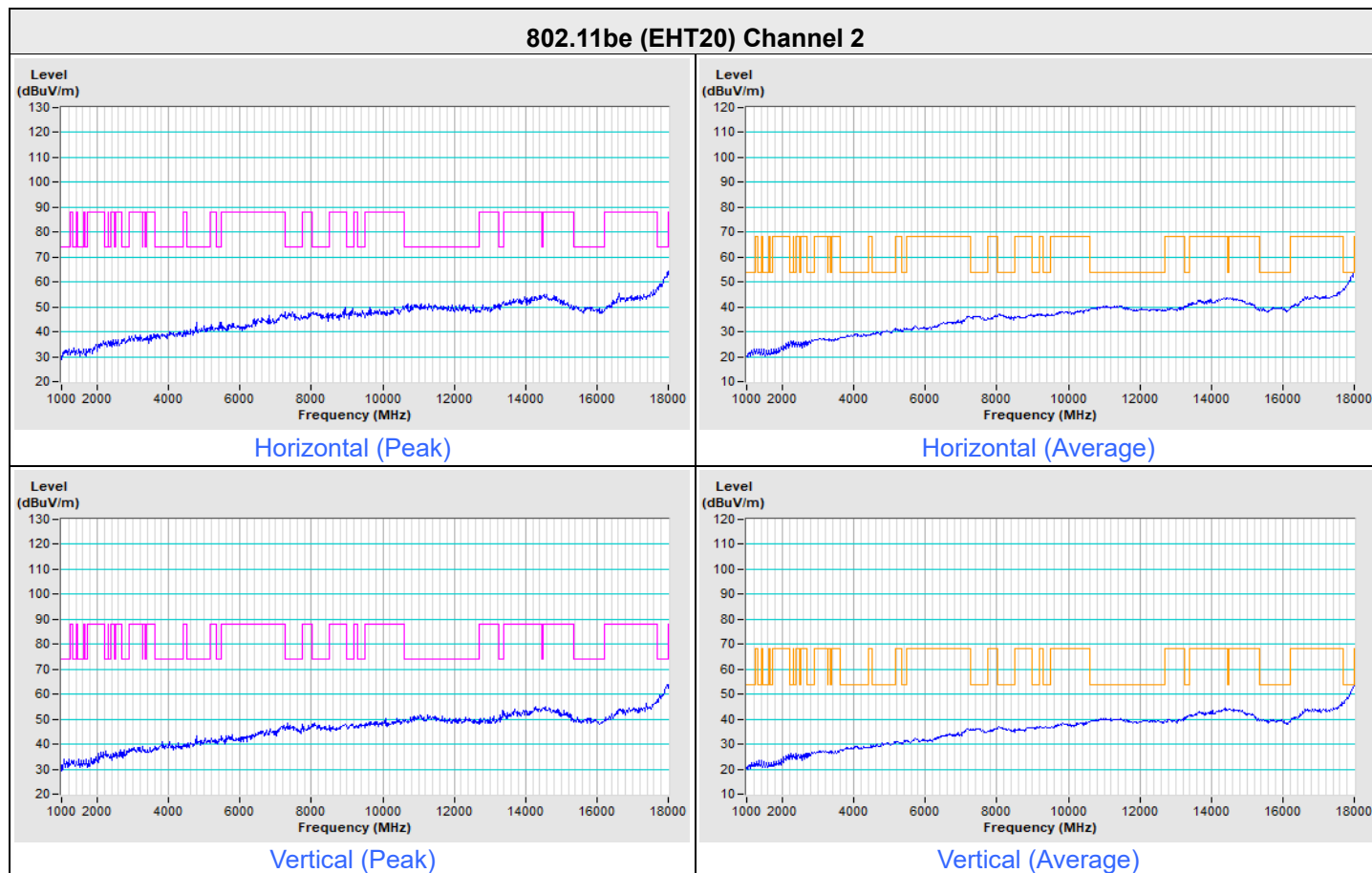
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#13970.00	50.2 PK	88.2	-38.0	1.74 H	232	31.2	19.0
2	#13970.00	39.2 AV	68.2	-29.0	1.74 H	232	20.2	19.0
3	20955.00	61.5 PK	74.0	-12.5	1.71 H	167	64.2	-2.7
4	20955.00	47.4 AV	54.0	-6.6	1.71 H	167	50.1	-2.7
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	#13970.00	48.8 PK	88.2	-39.4	1.37 V	250	29.8	19.0
2	#13970.00	38.1 AV	68.2	-30.1	1.37 V	250	19.1	19.0
3	20955.00	60.7 PK	74.0	-13.3	1.11 V	202	63.4	-2.7
4	20955.00	46.5 AV	54.0	-7.5	1.11 V	202	49.2	-2.7

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.

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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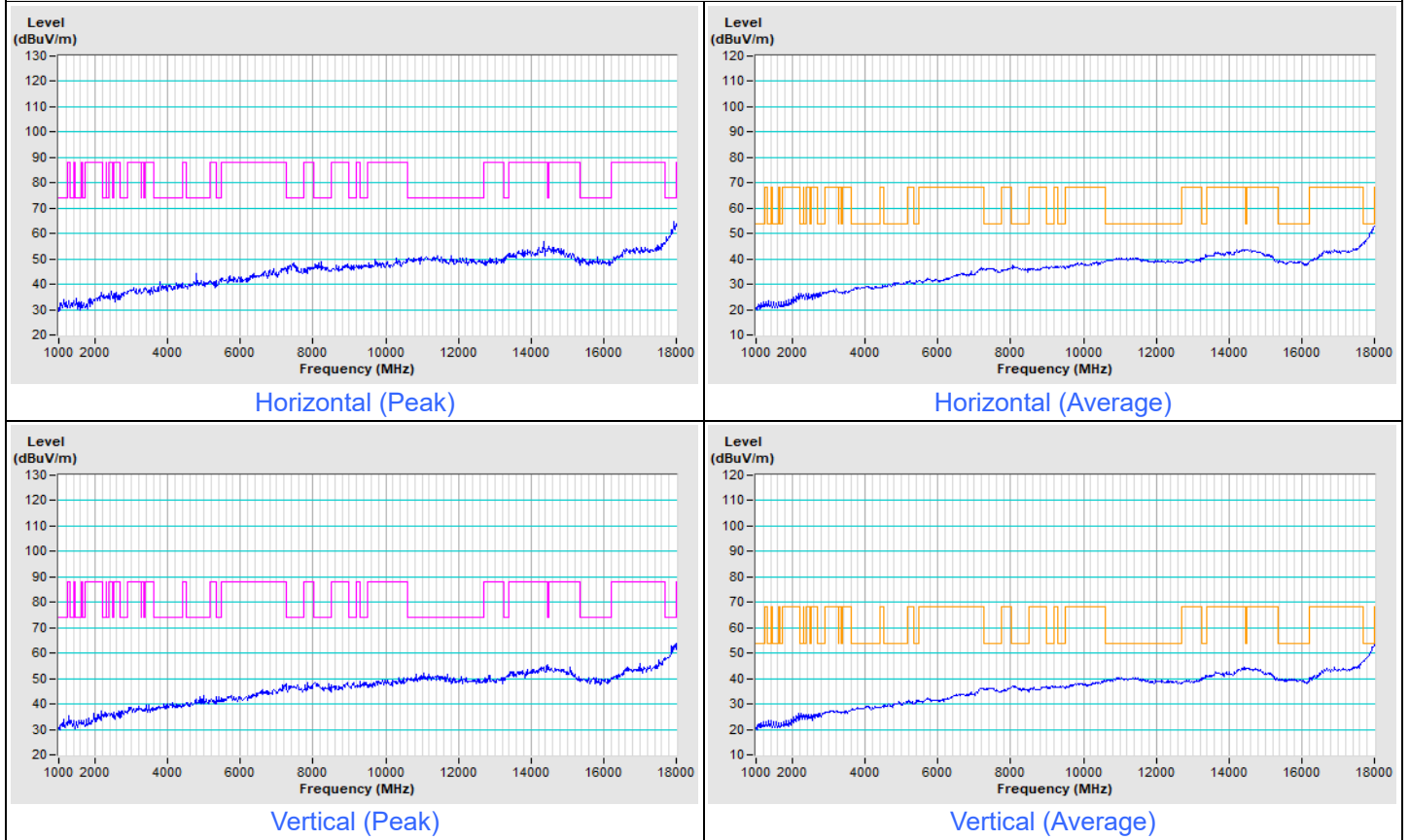


Notes:

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 (EHT160) Channel 79



- 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.

under control of standard power AP

Mode A

2Tx

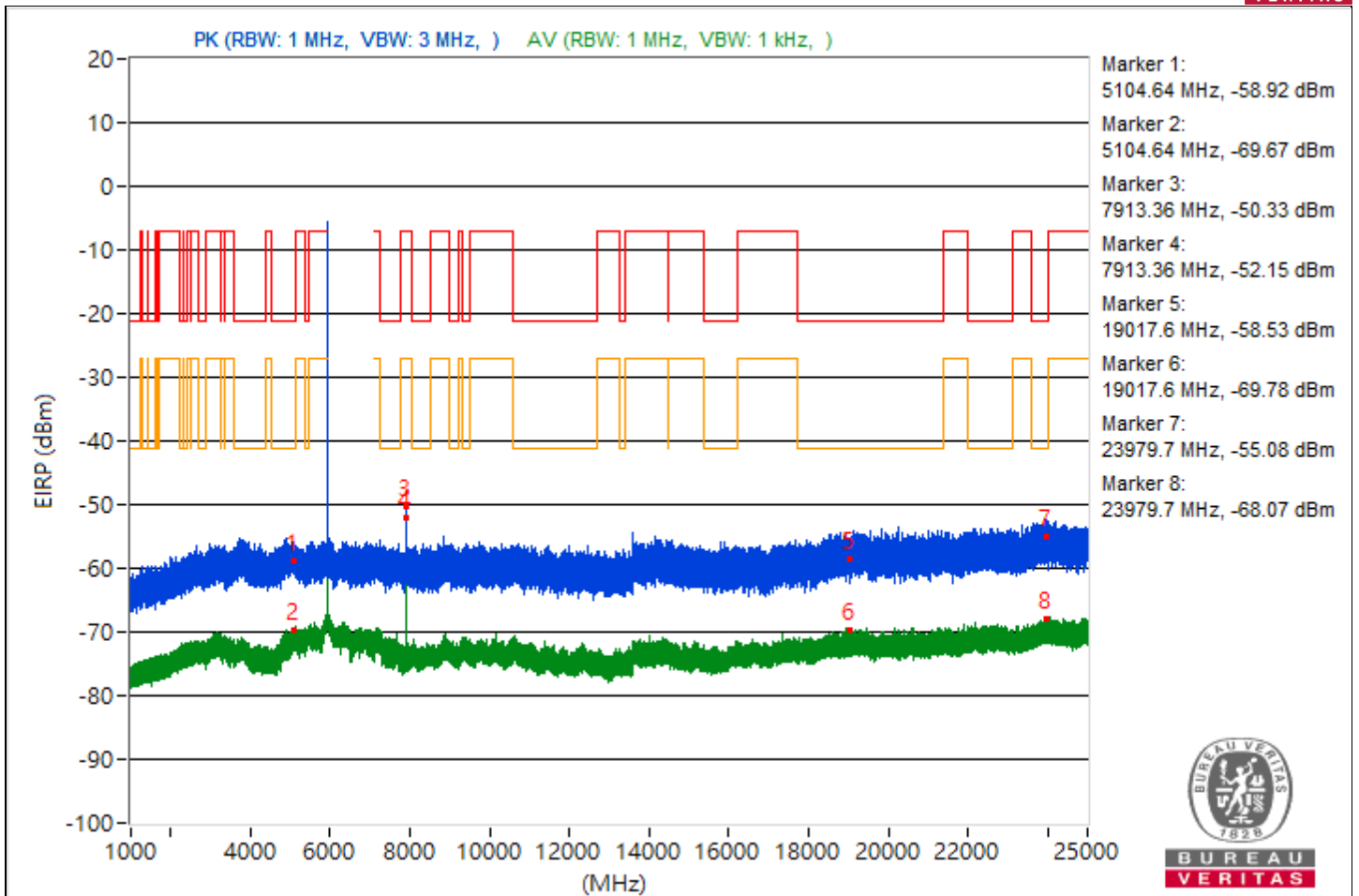
Conducted Unwanted Emissions

RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 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	5104.64	36.34 PK	74	-37.66	-71.06	-69.31	8.17	-58.92
2	5104.64	25.59 AV	54	-28.41	-79.57	-82.67	8.17	-69.67
3	#7913.36	44.93 PK	88.26	-43.33	-62.8	-60.52	8.17	-50.33
4	#7913.36	43.11 AV	68.26	-25.15	-64.98	-62.14	8.17	-52.15
5	19017.6	36.73 PK	74	-37.27	-69.83	-69.59	8.17	-58.53
6	19017.6	25.48 AV	54	-28.52	-79.41	-83.38	8.17	-69.78
7	23979.7	40.18 PK	74	-33.82	-66.79	-65.78	8.17	-55.08
8	23979.7	27.19 AV	54	-26.81	-77.98	-81.04	8.17	-68.07
9	39554.13	32.74 PK	74	-41.26	-73.34	-74.1	8.17	-62.52
10	39554.13	21.96 AV	54	-32.04	-82.86	-87.08	8.17	-73.3

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.



BUREAU
VERITAS

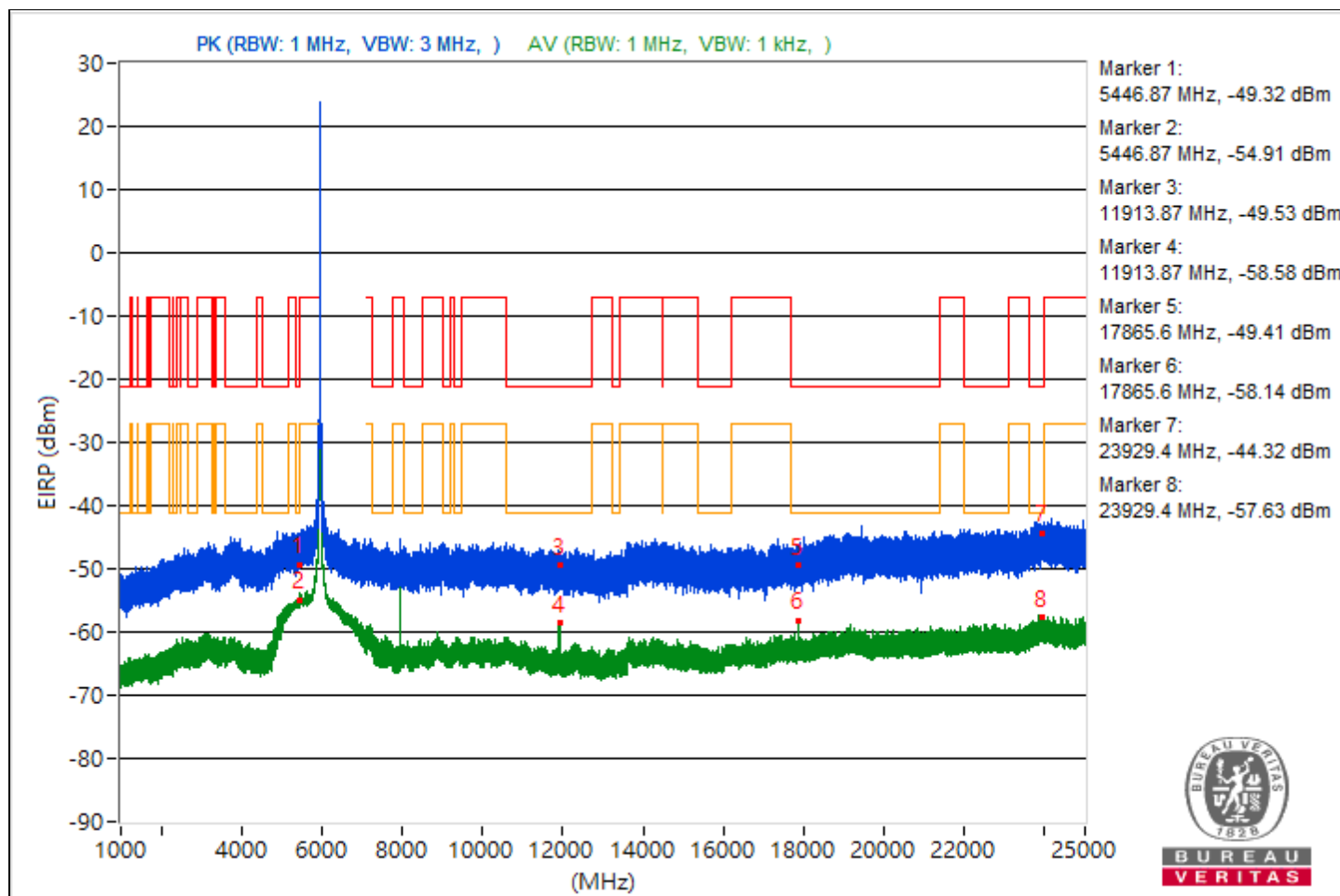


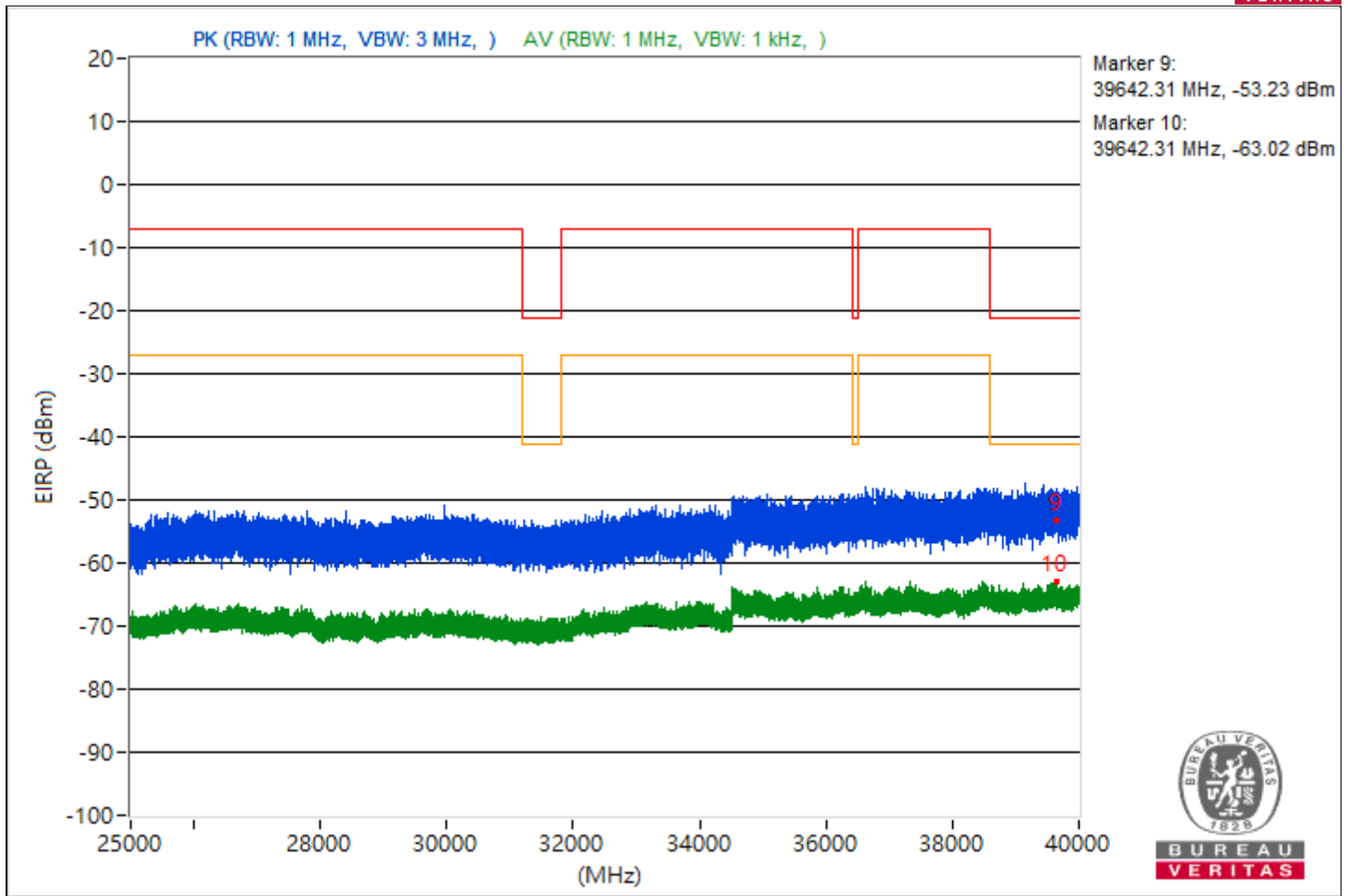
BUREAU
VERITAS

RF Mode	802.11be (EHT20)	Channel	CH 1 : 5955 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	5446.87	45.94 PK	74	-28.06	-60.44	-60.55	8.17	-49.32
2	5446.87	40.35 AV	54	-13.65	-65.53	-66.74	8.17	-54.91
3	11913.87	45.73 PK	74	-28.27	-61.47	-60.07	8.17	-49.53
4	11913.87	36.68 AV	54	-17.32	-70.5	-69.13	8.17	-58.58
5	17865.6	45.85 PK	74	-28.15	-64.56	-58.55	8.17	-49.41
6	17865.6	37.12 AV	54	-16.88	-73.25	-67.29	8.17	-58.14
7	23929.4	50.94 PK	74	-23.06	-55.01	-56.06	8.17	-44.32
8	23929.4	37.63 AV	54	-16.37	-67.07	-71.77	8.17	-57.63
9	39642.31	42.03 PK	74	-31.97	-67.16	-62.75	8.17	-53.23
10	39642.31	32.24 AV	54	-21.76	-72.92	-76.03	8.17	-63.02

Note: Margin value = Emission Level - Limit value

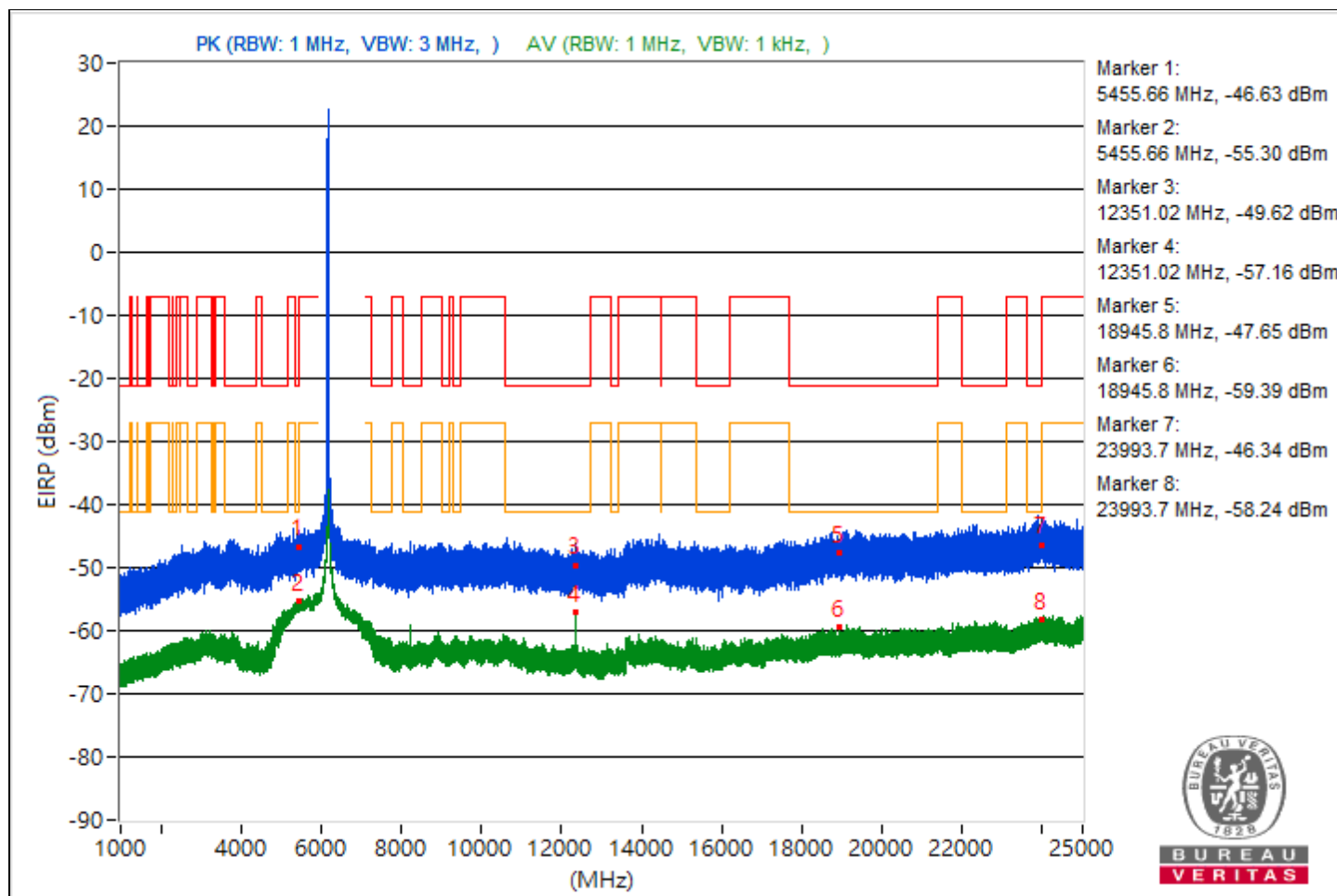


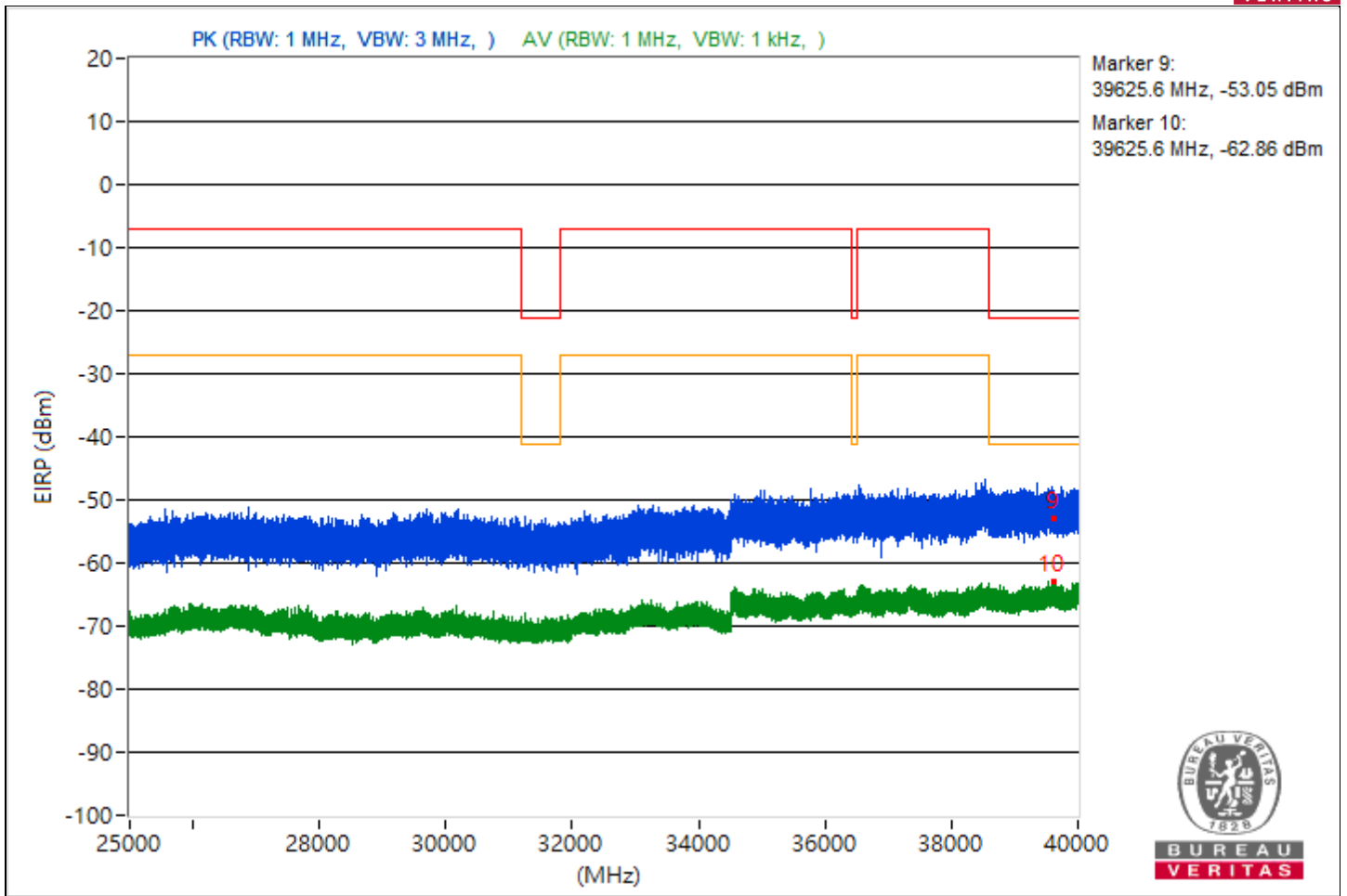


RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

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	5455.66	48.63 PK	74	-25.37	-57.17	-58.56	8.17	-46.63
2	5455.66	39.96 AV	54	-14.04	-66.54	-66.41	8.17	-55.3
3	12351.02	45.64 PK	74	-28.36	-59.76	-62.17	8.17	-49.62
4	12351.02	38.1 AV	54	-15.9	-68.28	-68.41	8.17	-57.16
5	18945.8	47.61 PK	74	-26.39	-58.9	-58.77	8.17	-47.65
6	18945.8	35.87 AV	54	-18.13	-69.43	-72.12	8.17	-59.39
7	23993.7	48.92 PK	74	-25.08	-57.4	-57.65	8.17	-46.34
8	23993.7	37.02 AV	54	-16.98	-68.09	-71.34	8.17	-58.24
9	39625.6	42.21 PK	74	-31.79	-64.67	-63.83	8.17	-53.05
10	39625.6	32.4 AV	54	-21.6	-72.73	-75.92	8.17	-62.86

Note: Margin value = Emission Level - Limit value

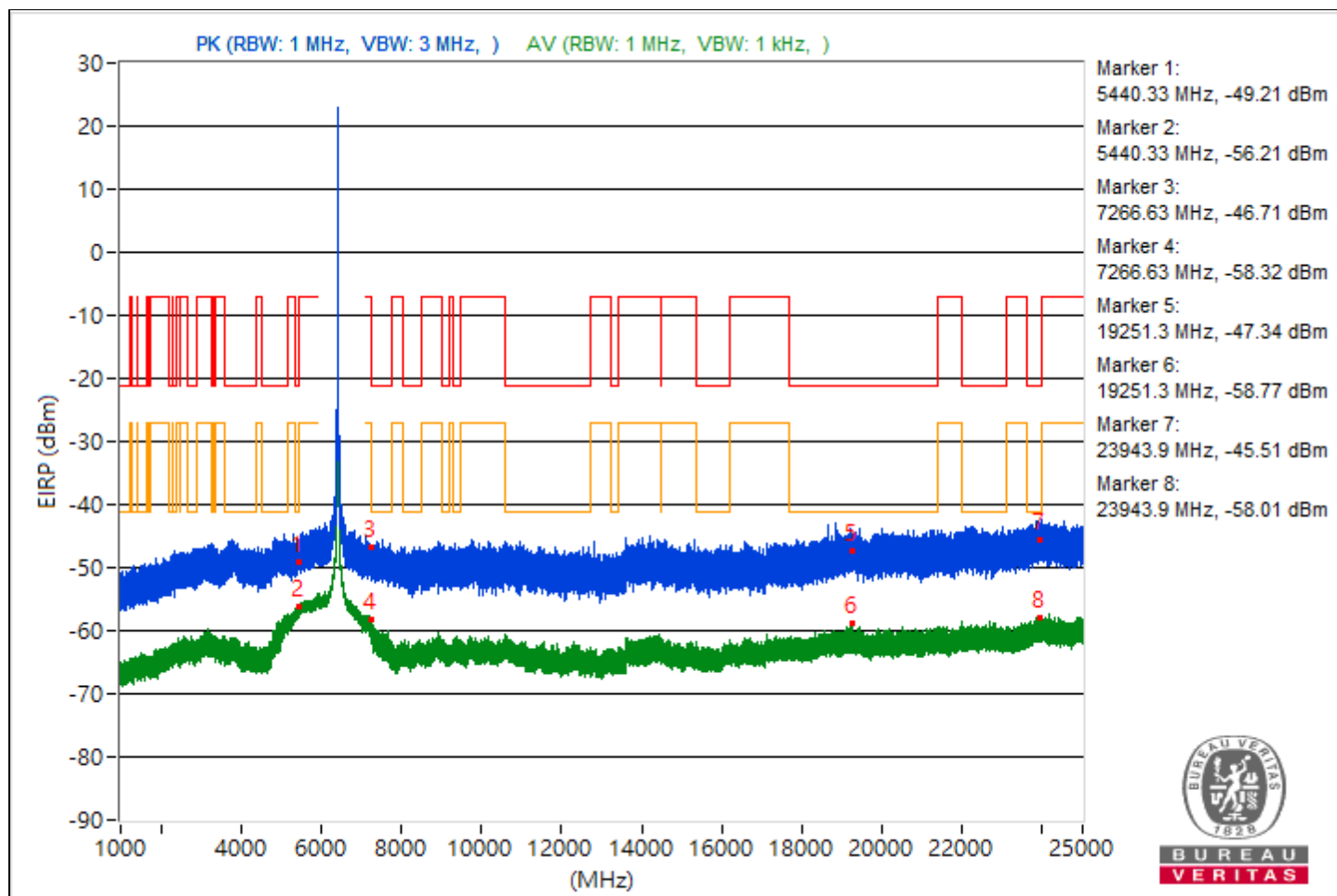


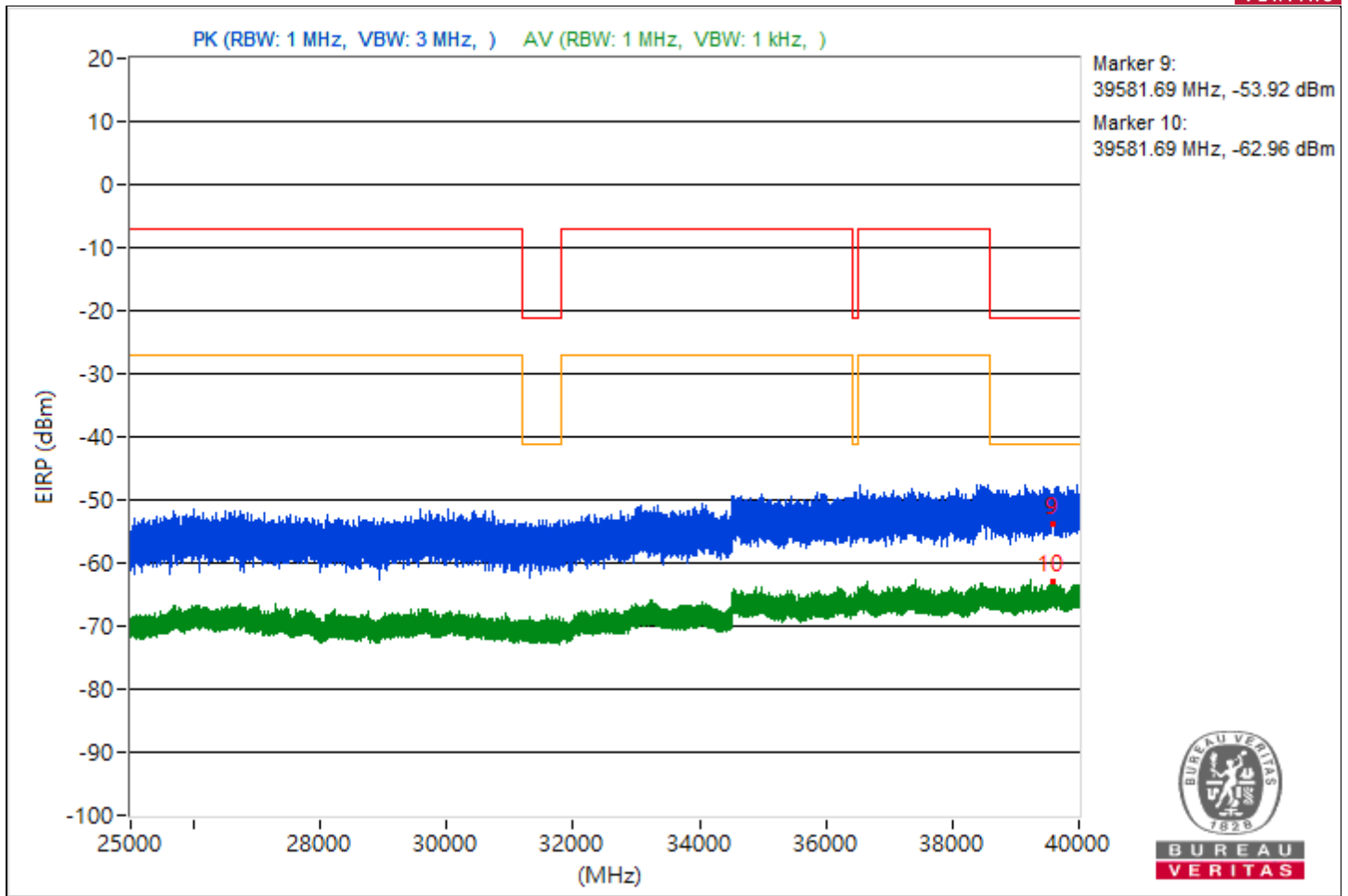


RF Mode	802.11be (EHT20)	Channel	CH 93 : 6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

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	5440.33	46.05 PK	74	-27.95	-60.17	-60.64	8.17	-49.21
2	5440.33	39.05 AV	54	-14.95	-66.87	-67.97	8.17	-56.21
3	7266.63	48.55 PK	74	-25.45	-57.02	-58.98	8.17	-46.71
4	7266.63	36.94 AV	54	-17.06	-68.32	-71.13	8.17	-58.32
5	19251.3	47.92 PK	74	-26.08	-60.6	-57.12	8.17	-47.34
6	19251.3	36.49 AV	54	-17.51	-71.67	-68.72	8.17	-58.77
7	23943.9	49.75 PK	74	-24.25	-58.74	-55.3	8.17	-45.51
8	23943.9	37.25 AV	54	-16.75	-70.87	-67.98	8.17	-58.01
9	39581.69	41.34 PK	74	-32.66	-66.64	-63.96	8.17	-53.92
10	39581.69	32.3 AV	54	-21.7	-76.61	-72.58	8.17	-62.96

Note: Margin value = Emission Level - Limit value

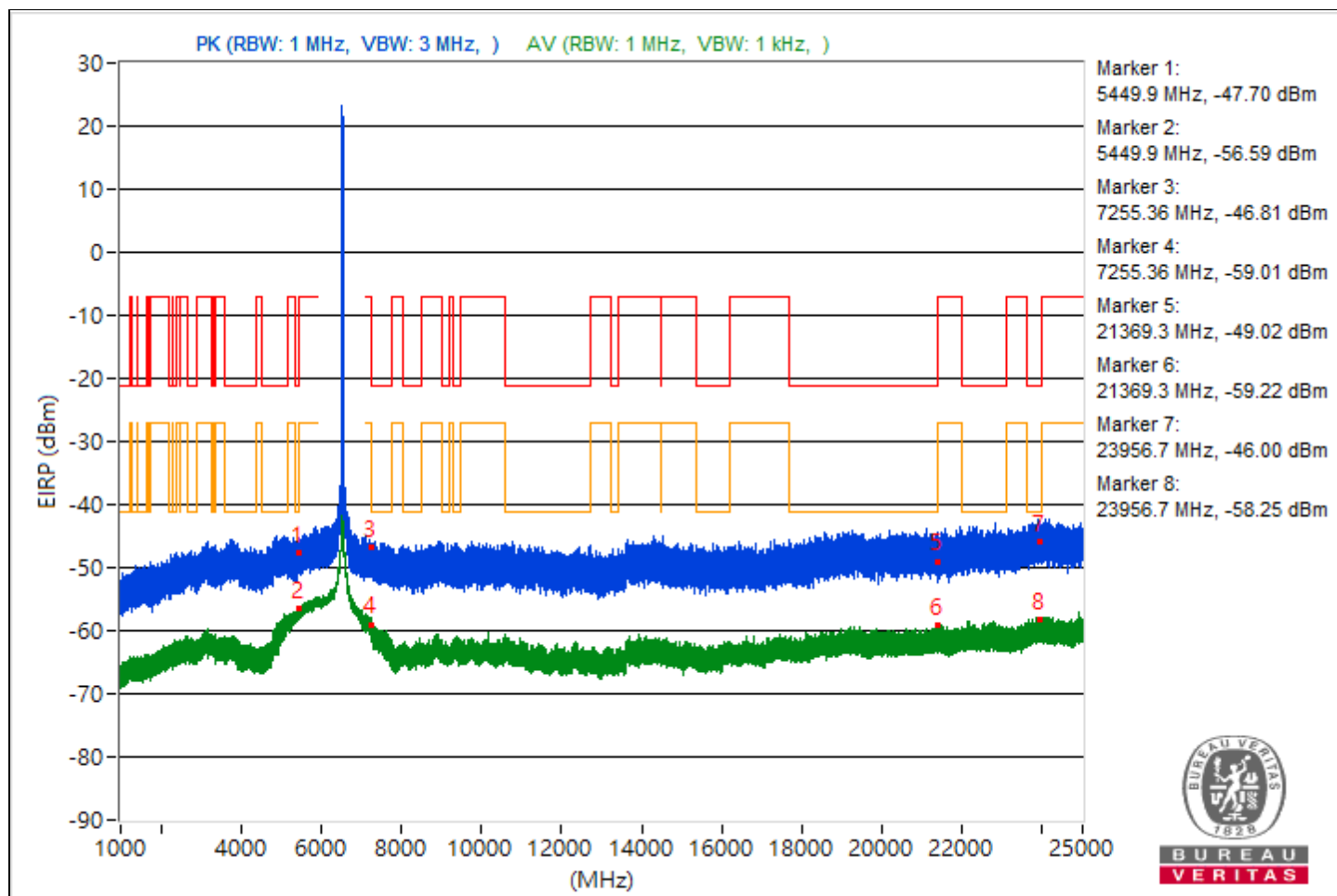


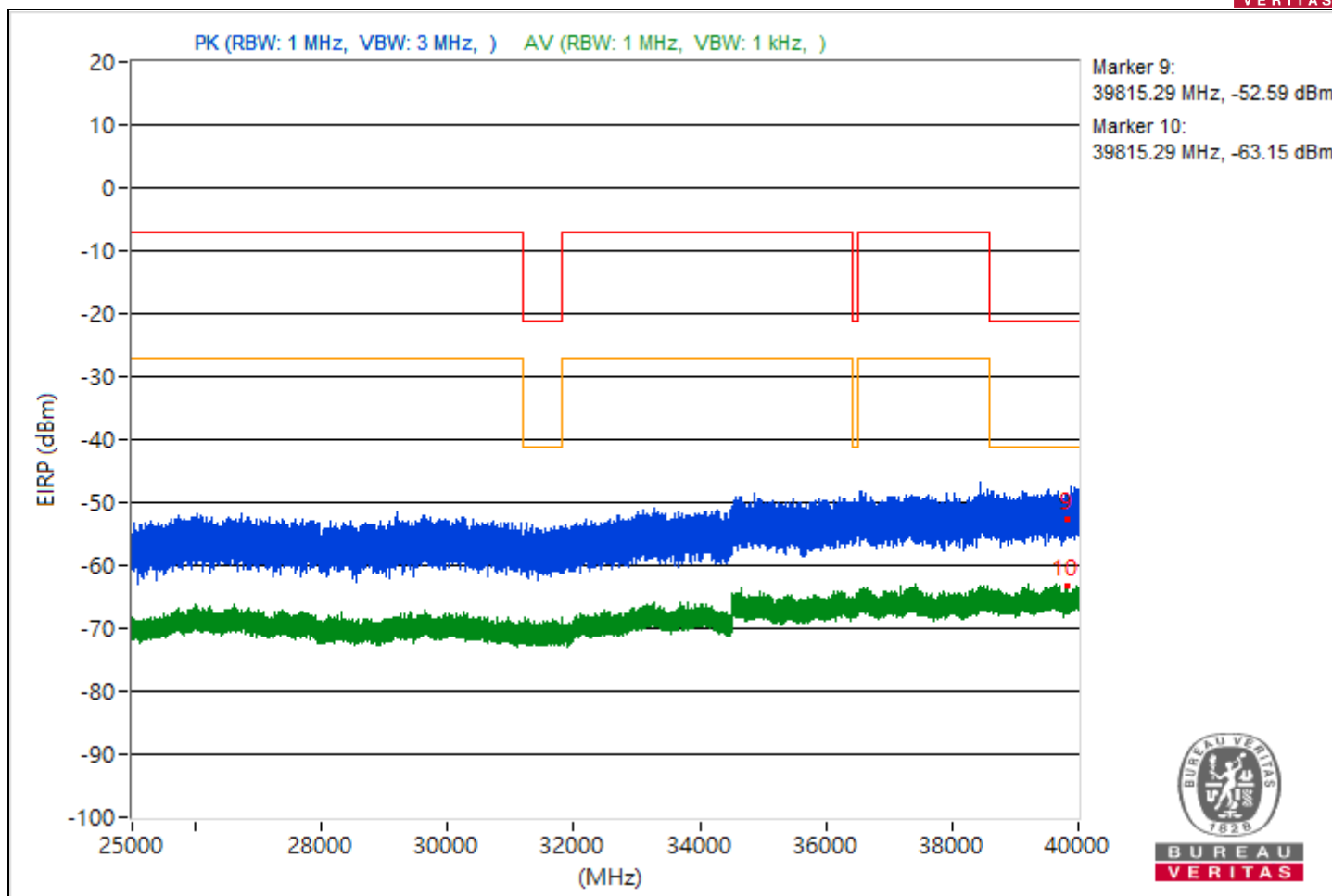


RF Mode	802.11be (EHT20)	Channel	CH 117 : 6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

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	5449.9	47.56 PK	74	-26.44	-58.13	-59.8	8.17	-47.7
2	5449.9	38.67 AV	54	-15.33	-67.57	-67.97	8.17	-56.59
3	7255.36	48.45 PK	74	-25.55	-57.06	-59.19	8.17	-46.81
4	7255.36	36.25 AV	54	-17.75	-68.44	-73.18	8.17	-59.01
5	21369.3	46.24 PK	74	-27.76	-60.99	-59.53	8.17	-49.02
6	21369.3	36.04 AV	54	-17.96	-71.15	-69.75	8.17	-59.22
7	23956.7	49.26 PK	74	-24.74	-56.3	-58.29	8.17	-46
8	23956.7	37.01 AV	54	-16.99	-72.25	-67.74	8.17	-58.25
9	39815.29	42.67 PK	74	-31.33	-62.32	-65.98	8.17	-52.59
10	39815.29	32.11 AV	54	-21.89	-72.81	-76.68	8.17	-63.15

Note: Margin value = Emission Level - Limit value

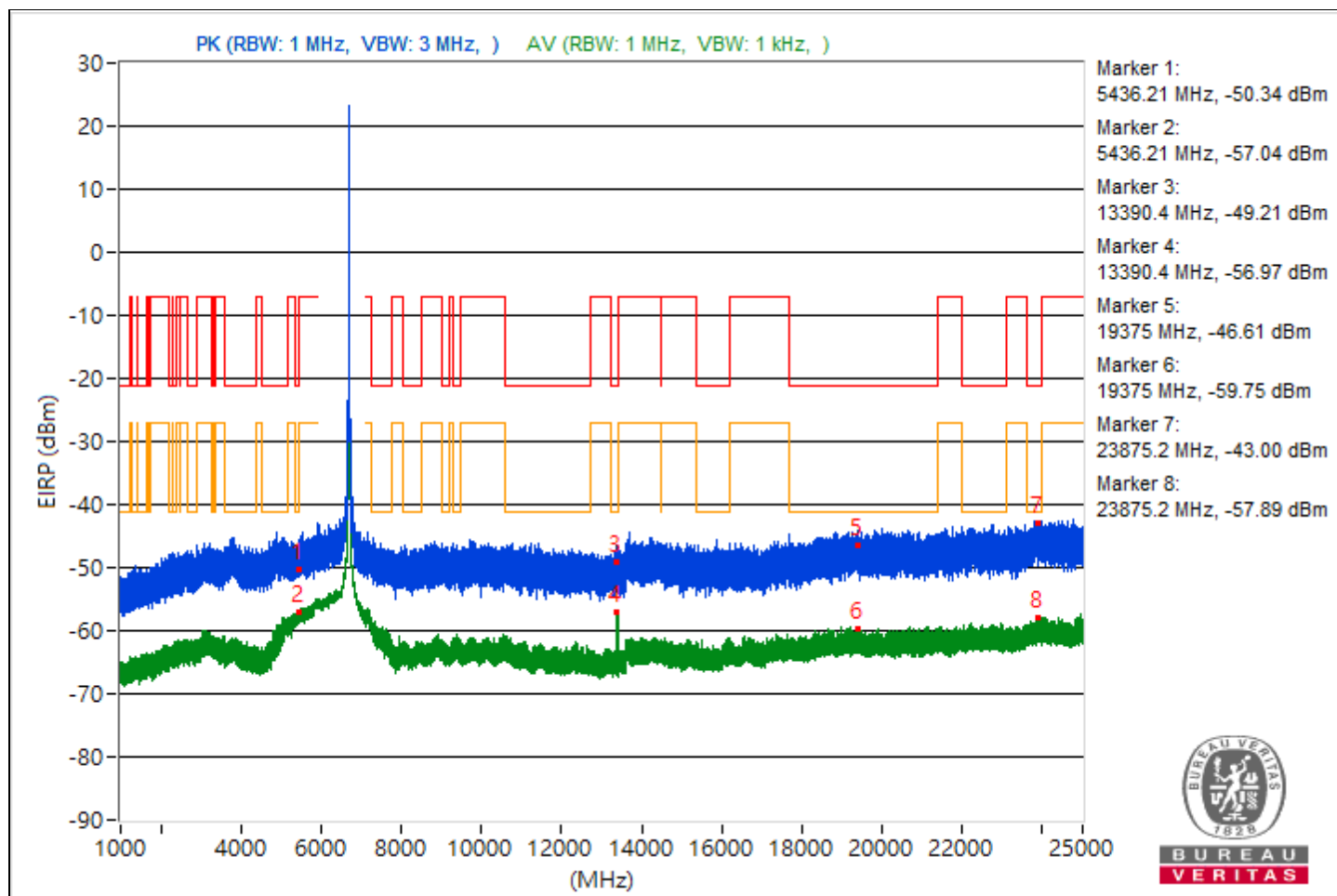


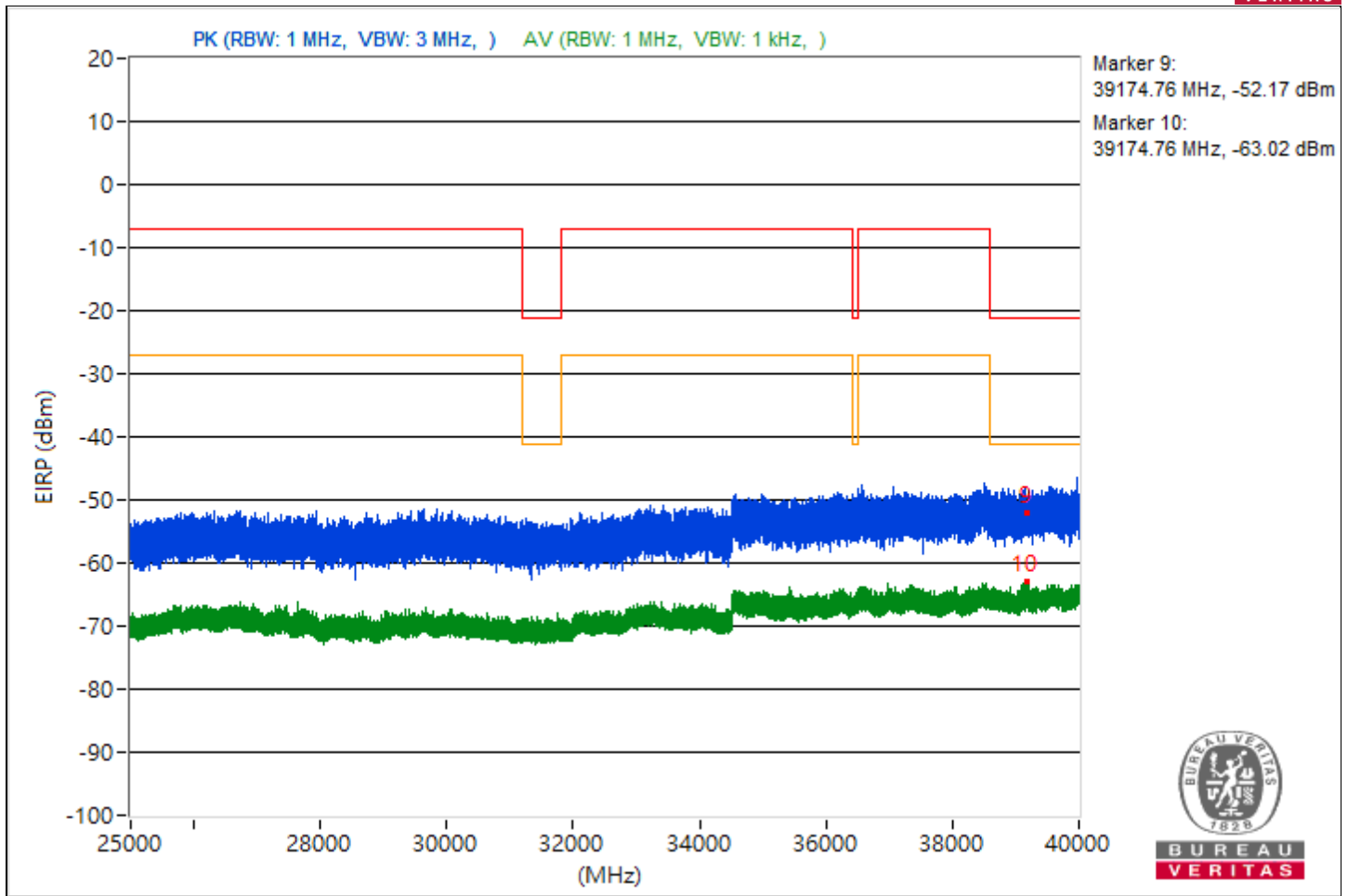


RF Mode	802.11be (EHT20)	Channel	CH 149 : 6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

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	5436.21	44.92 PK	74	-29.08	-61.18	-61.88	8.17	-50.34
2	5436.21	38.22 AV	54	-15.78	-67.8	-68.69	8.17	-57.04
3	13390.4	46.05 PK	74	-27.95	-61.44	-59.54	8.17	-49.21
4	13390.4	38.29 AV	54	-15.71	-68.6	-67.75	8.17	-56.97
5	19375	48.65 PK	74	-25.35	-58.66	-57.06	8.17	-46.61
6	19375	35.51 AV	54	-18.49	-73.49	-69.33	8.17	-59.75
7	23875.2	52.26 PK	74	-21.74	-53.11	-55.61	8.17	-43
8	23875.2	37.37 AV	54	-16.63	-70.98	-67.76	8.17	-57.89
9	39174.76	43.09 PK	74	-30.91	-61.48	-66.74	8.17	-52.17
10	39174.76	32.24 AV	54	-21.76	-73.01	-75.83	8.17	-63.02

Note: Margin value = Emission Level - Limit value

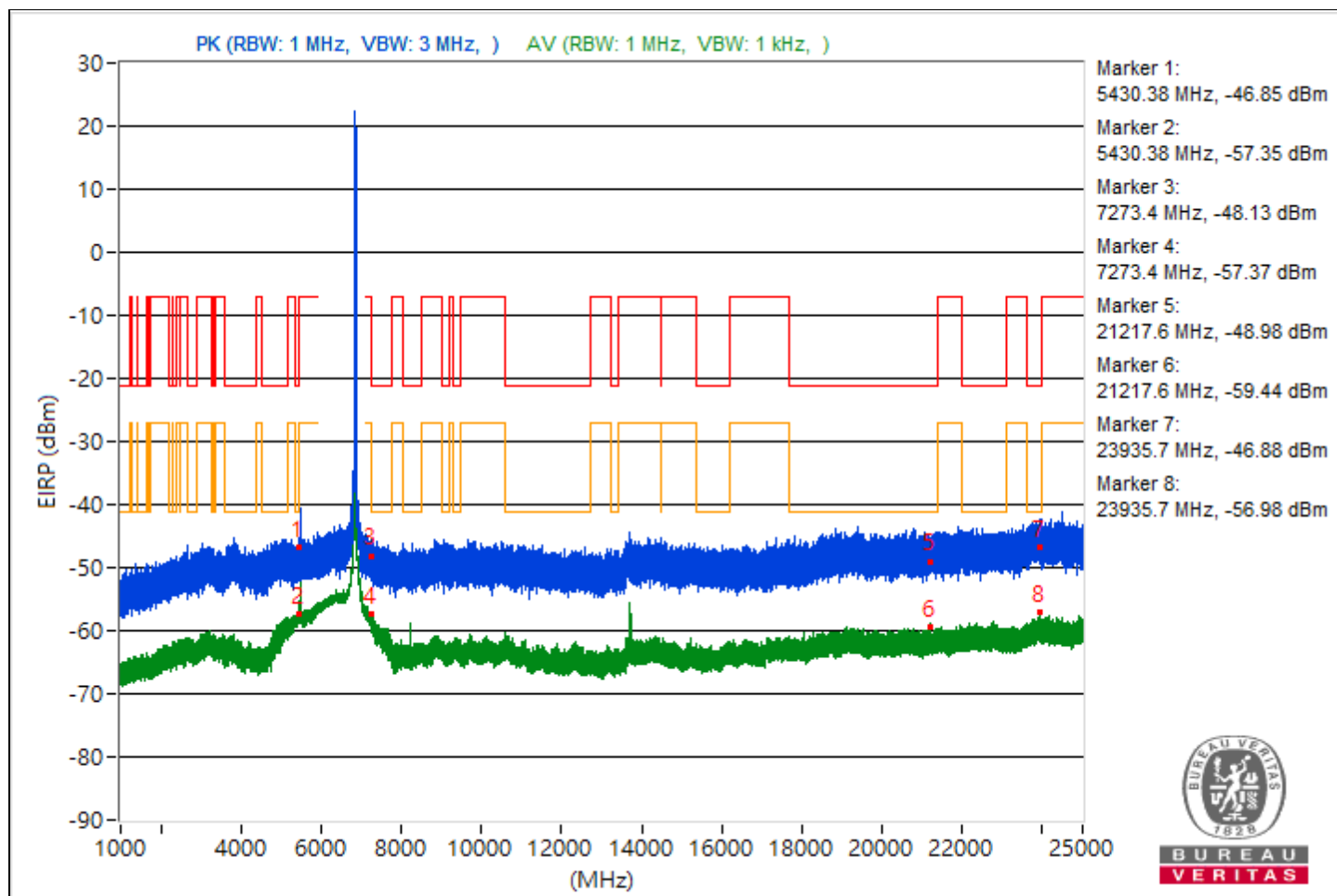


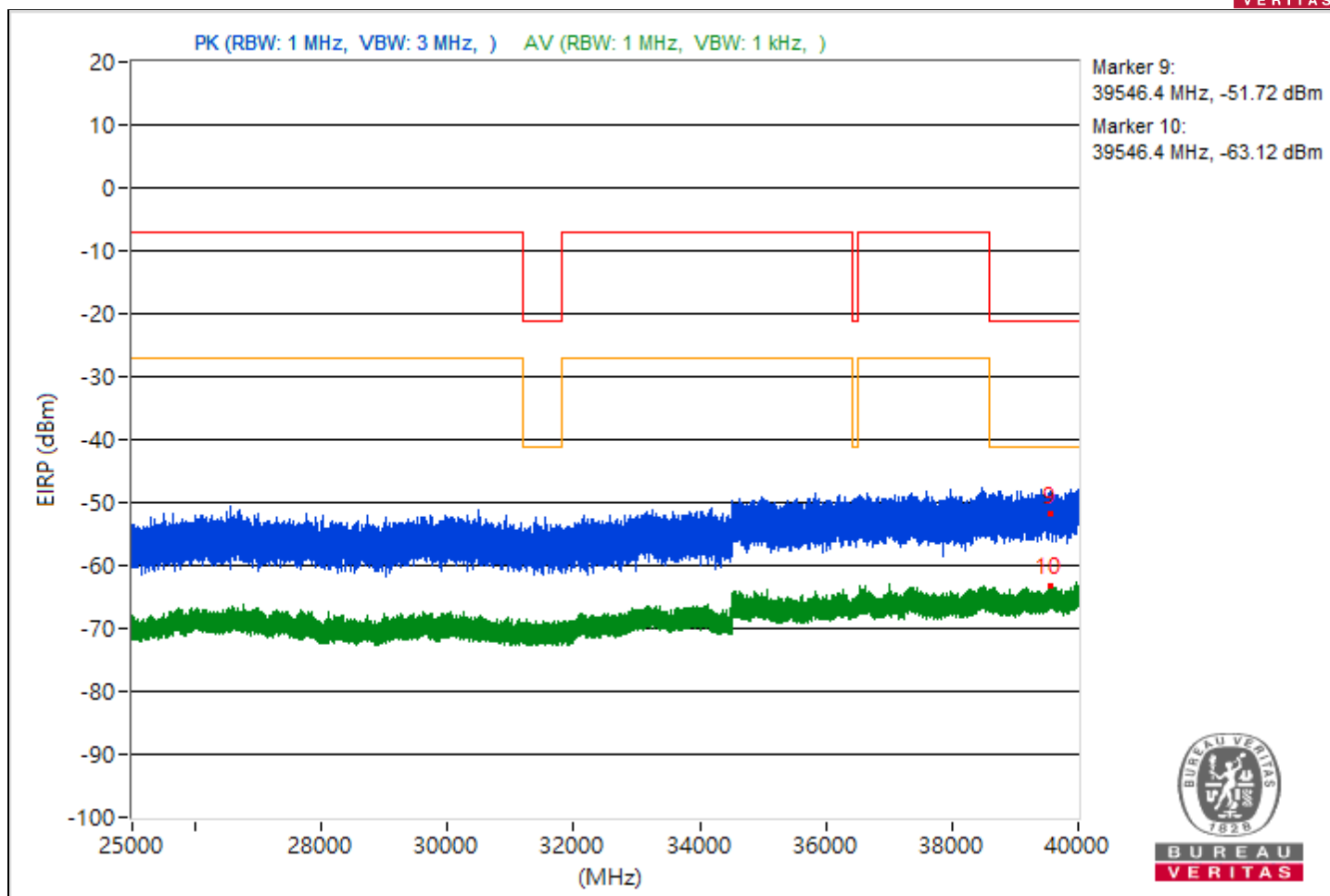


RF Mode	802.11be (EHT20)	Channel	CH 181 : 6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

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	5430.38	48.41 PK	74	-25.59	-58.23	-57.84	8.17	-46.85
2	5430.38	37.91 AV	54	-16.09	-68.2	-68.88	8.17	-57.35
3	7273.4	47.13 PK	74	-26.87	-59.13	-59.49	8.17	-48.13
4	7273.4	37.89 AV	54	-16.11	-67.57	-69.83	8.17	-57.37
5	21217.6	46.28 PK	74	-27.72	-59.54	-60.87	8.17	-48.98
6	21217.6	35.82 AV	54	-18.18	-69.27	-72.59	8.17	-59.44
7	23935.7	48.38 PK	74	-25.62	-58.11	-58.01	8.17	-46.88
8	23935.7	38.28 AV	54	-15.72	-68.2	-68.13	8.17	-56.98
9	39546.4	43.54 PK	74	-30.46	-63.85	-62.11	8.17	-51.72
10	39546.4	32.14 AV	54	-21.86	-72.76	-76.72	8.17	-63.12

Note: Margin value = Emission Level - Limit value



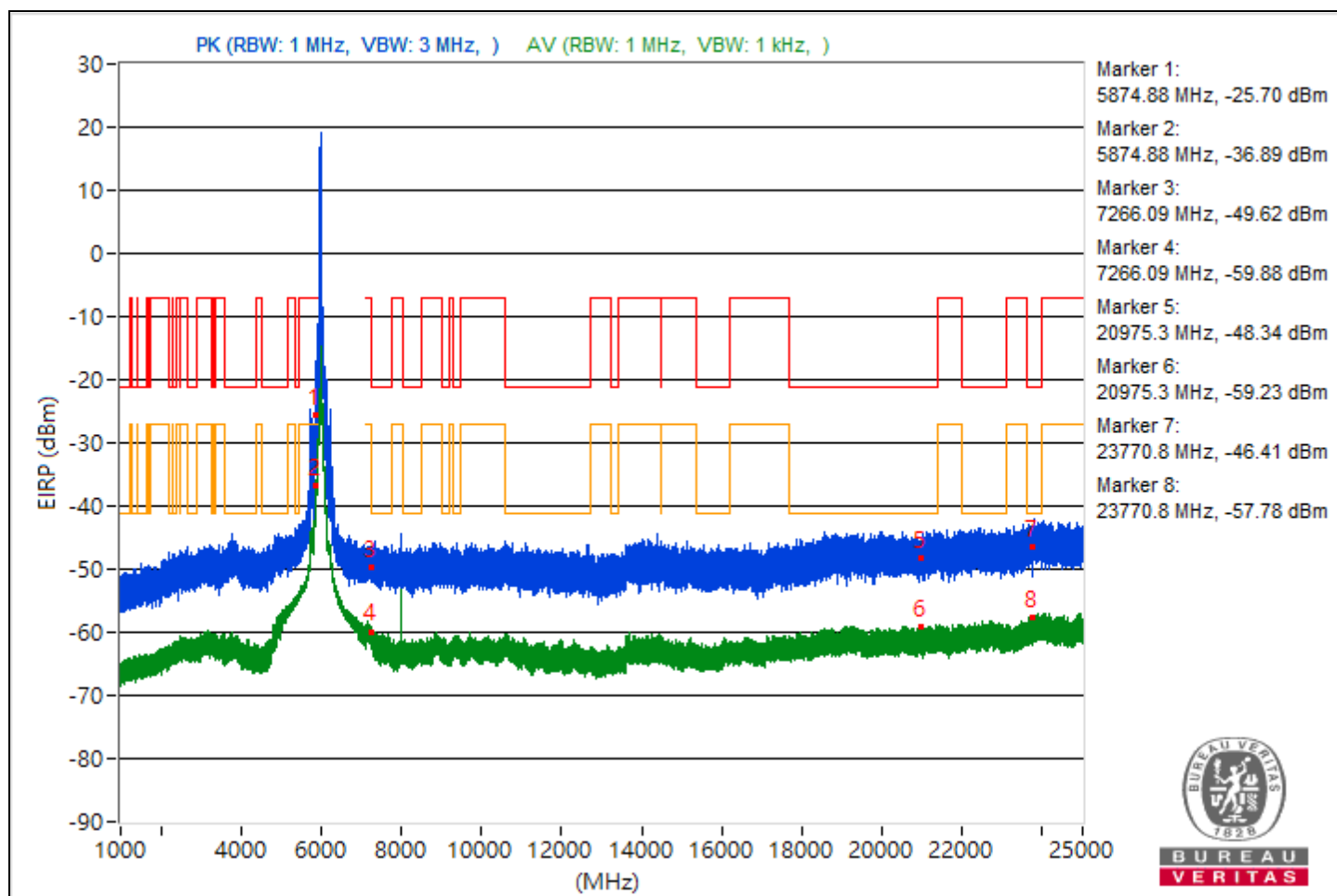


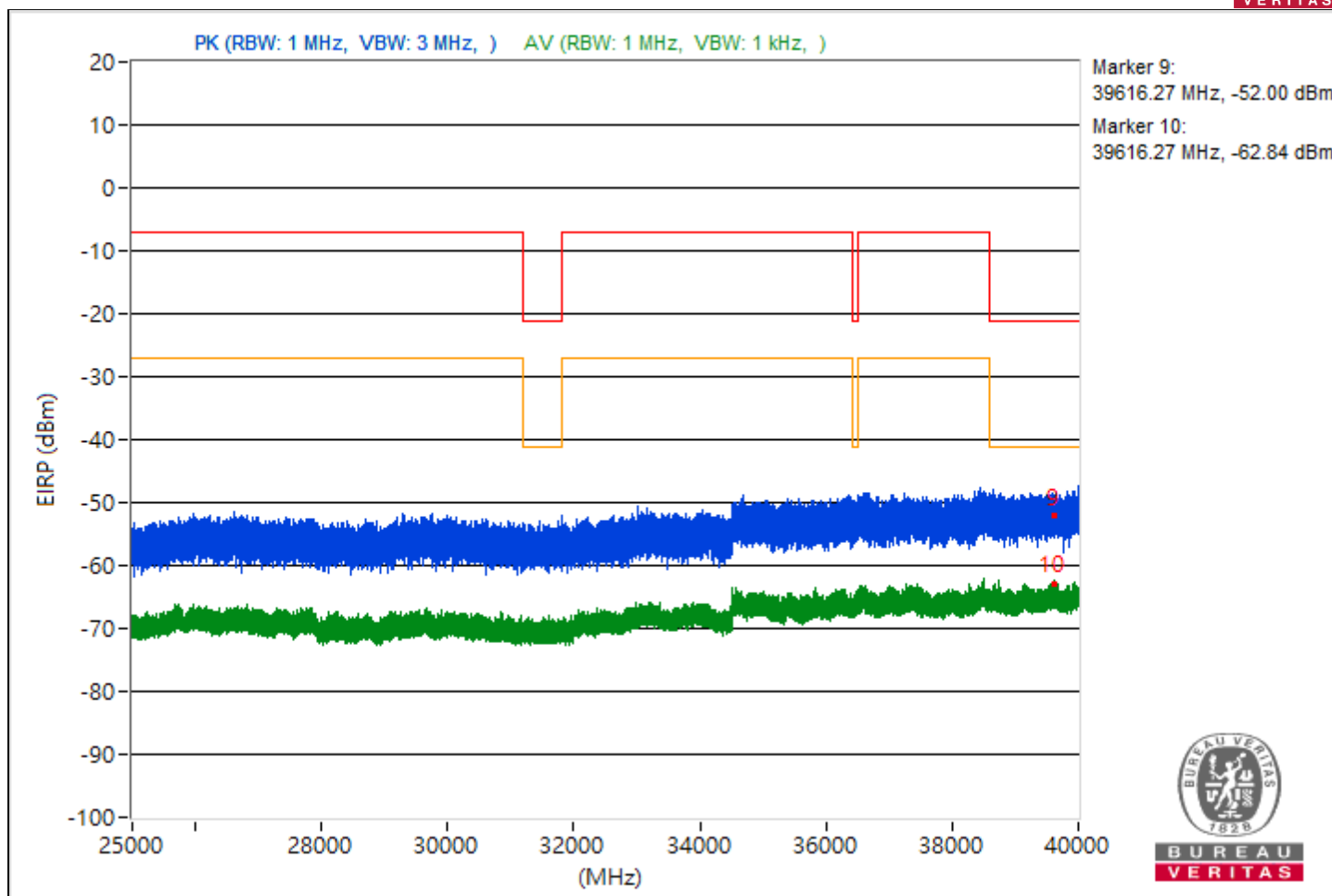
RF Mode	802.11be (EHT80) 484+242-tone MRU	Channel	CH 7 : 5985 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

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	#5874.88	69.56 PK	88.26	-18.7	-34.28	-44.34	8.17	-25.7
2	#5874.88	58.37 AV	68.26	-9.89	-46.06	-51.89	8.17	-36.89
3	7266.09	45.64 PK	74	-28.36	-60.23	-61.46	8.17	-49.62
4	7266.09	35.38 AV	54	-18.62	-74.62	-69.13	8.17	-59.88
5	20975.3	46.92 PK	74	-27.08	-59.95	-59.13	8.17	-48.34
6	20975.3	36.03 AV	54	-17.97	-68.85	-72.85	8.17	-59.23
7	23770.8	48.85 PK	74	-25.15	-57.43	-57.77	8.17	-46.41
8	23770.8	37.48 AV	54	-16.52	-67.38	-71.47	8.17	-57.78
9	39616.27	43.26 PK	74	-30.74	-63.86	-62.59	8.17	-52
10	39616.27	32.42 AV	54	-21.58	-72.74	-75.85	8.17	-62.84

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.

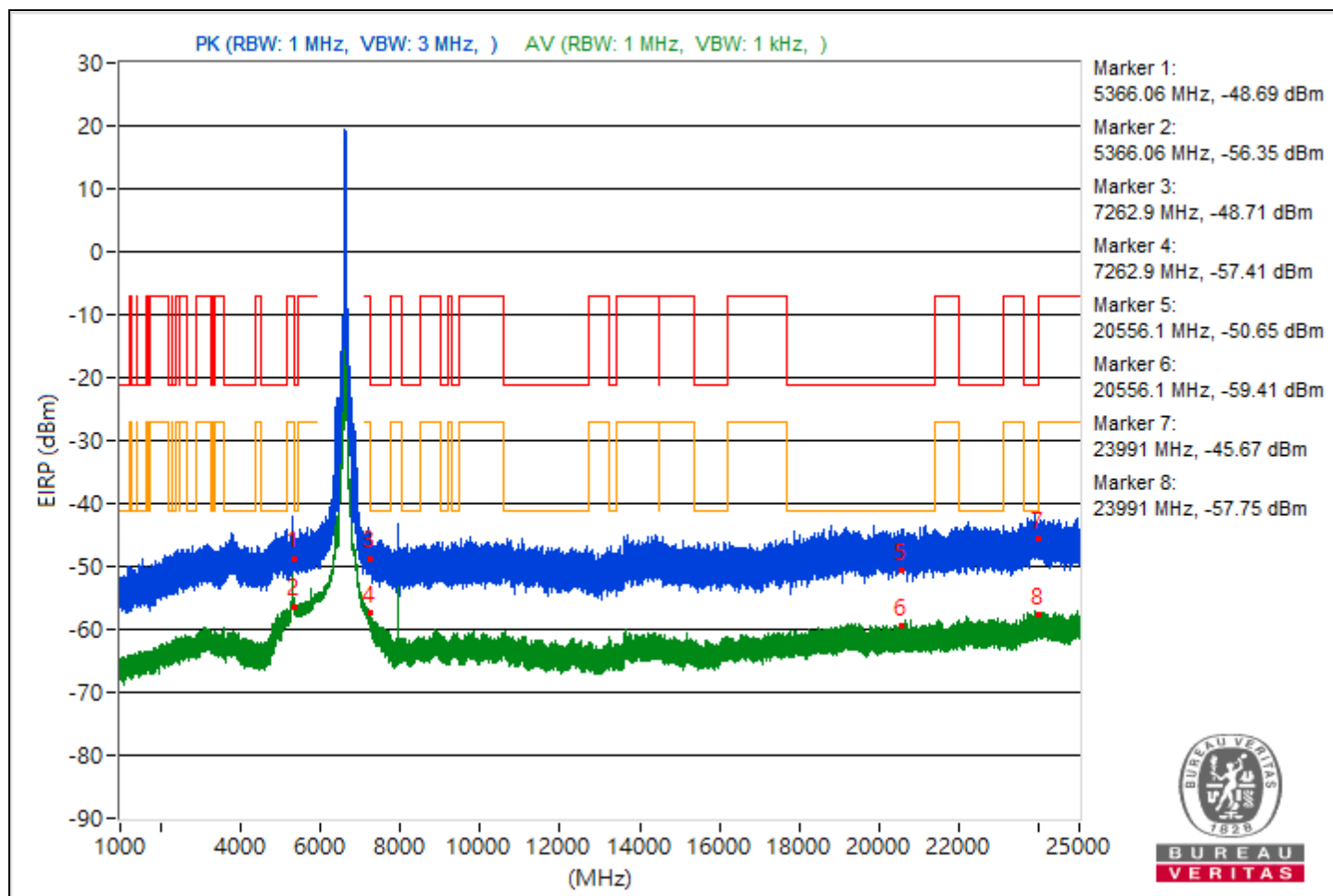


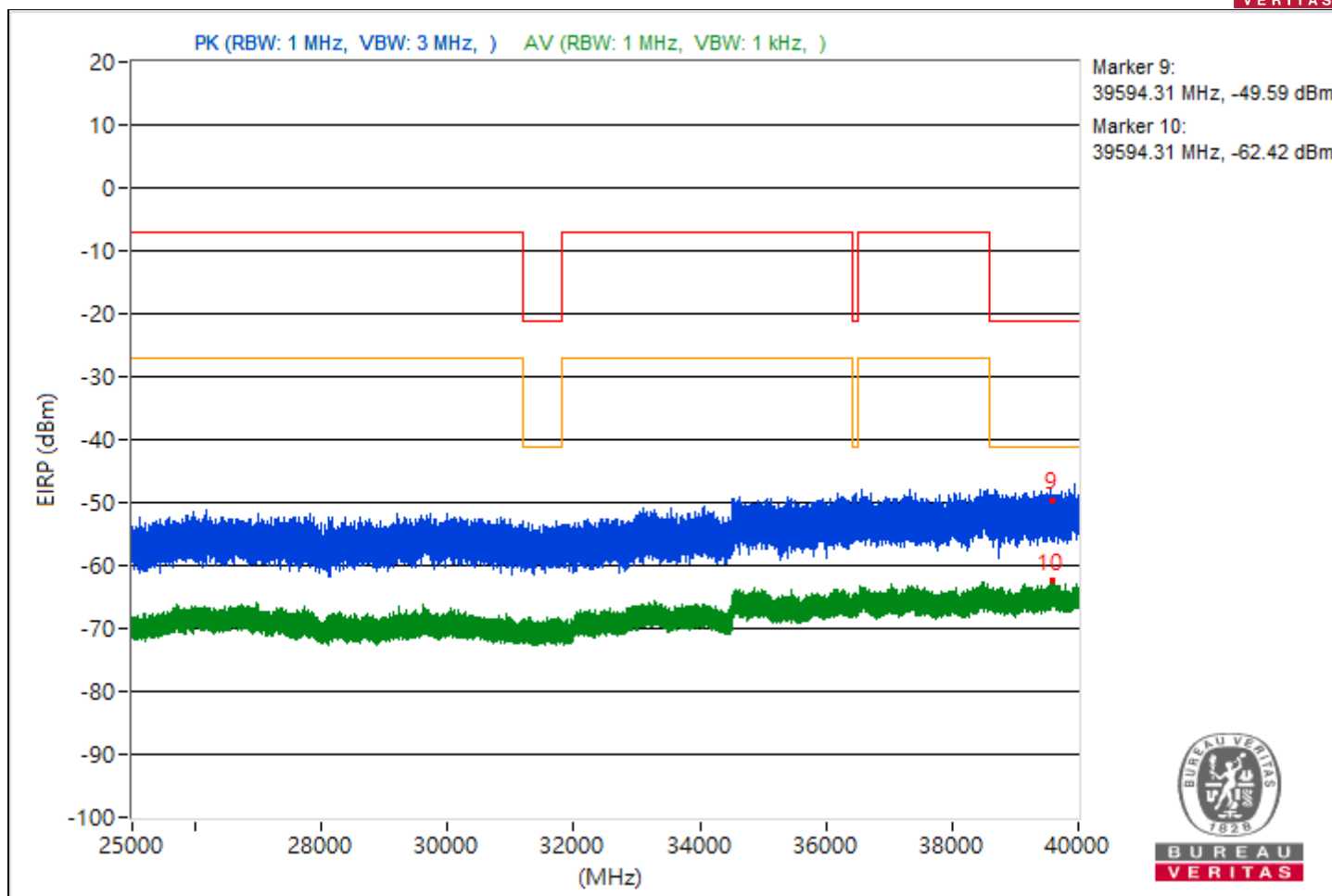


RF Mode	802.11be (EHT80) 484+242-tone MRU	Channel	CH 135 : 6625 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

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	5366.06	46.57 PK	74	-27.43	-59.01	-60.95	8.17	-48.69
2	5366.06	38.91 AV	54	-15.09	-66.61	-68.69	8.17	-56.35
3	7262.9	46.55 PK	74	-27.45	-60.33	-59.48	8.17	-48.71
4	7262.9	37.85 AV	54	-16.15	-70.08	-67.48	8.17	-57.41
5	20556.1	44.61 PK	74	-29.39	-62.48	-61.27	8.17	-50.65
6	20556.1	35.85 AV	54	-18.15	-68.95	-73.26	8.17	-59.41
7	23991	49.59 PK	74	-24.41	-58.21	-55.82	8.17	-45.67
8	23991	37.51 AV	54	-16.49	-71.41	-67.36	8.17	-57.75
9	39594.31	45.67 PK	74	-28.33	-62.01	-59.81	8.17	-49.59
10	39594.31	32.84 AV	54	-21.16	-72.88	-74.47	8.17	-62.42

Note: Margin value = Emission Level - Limit value





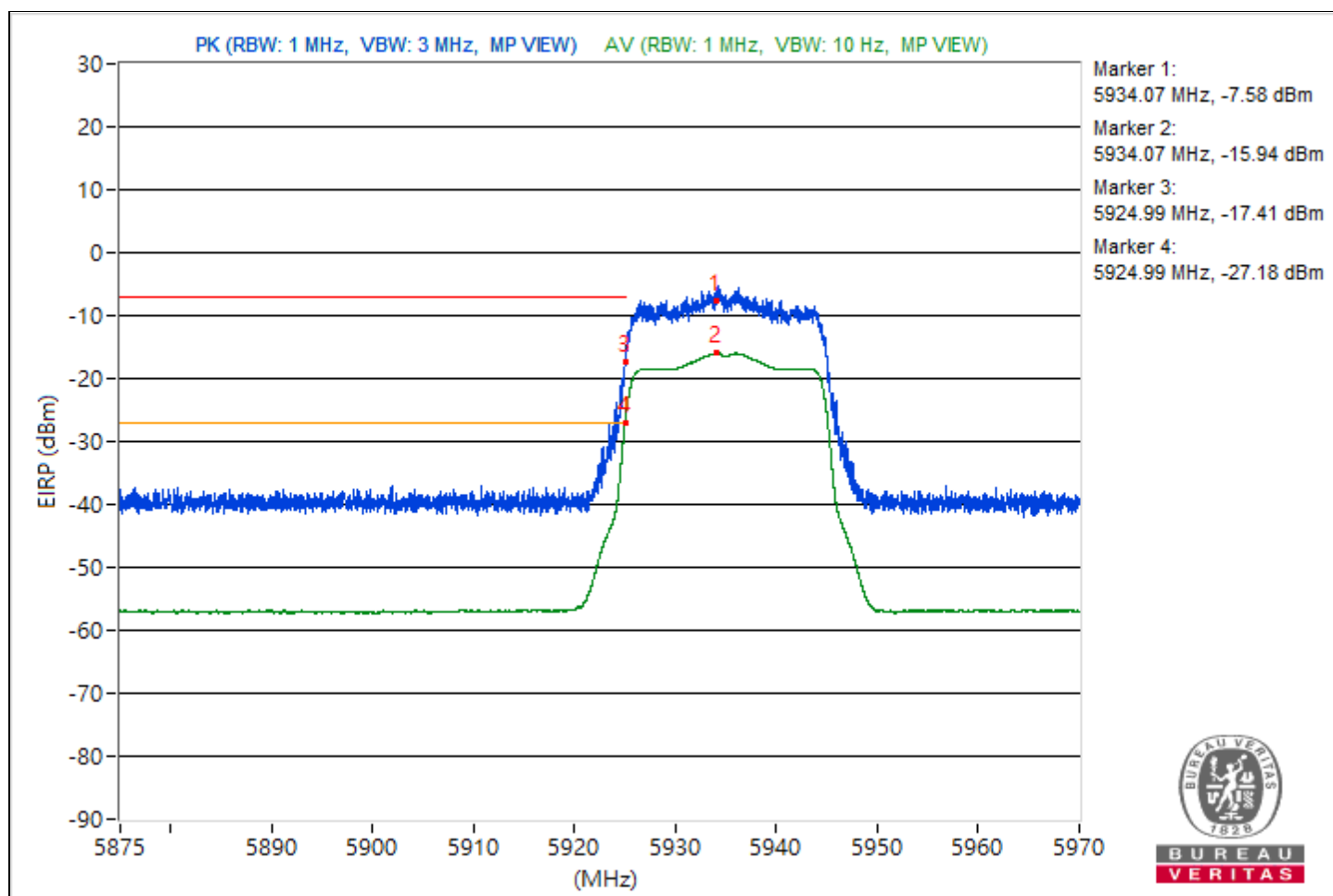
Conducted Band Edges

RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 MHz
Frequency Range	5.875 GHz ~ 5.97 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

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	*5934.07	87.68 PK			-18.01	-19.62	8.15	-7.58
2	*5934.07	79.32 AV			-26.39	-27.96	8.15	-15.94
3	#5924.99	77.85 PK	88.26	-10.41	-27.67	-29.7	8.15	-17.41
4	#5924.99	68.08 AV	68.26	-0.18	-37.42	-39.52	8.15	-27.18

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.

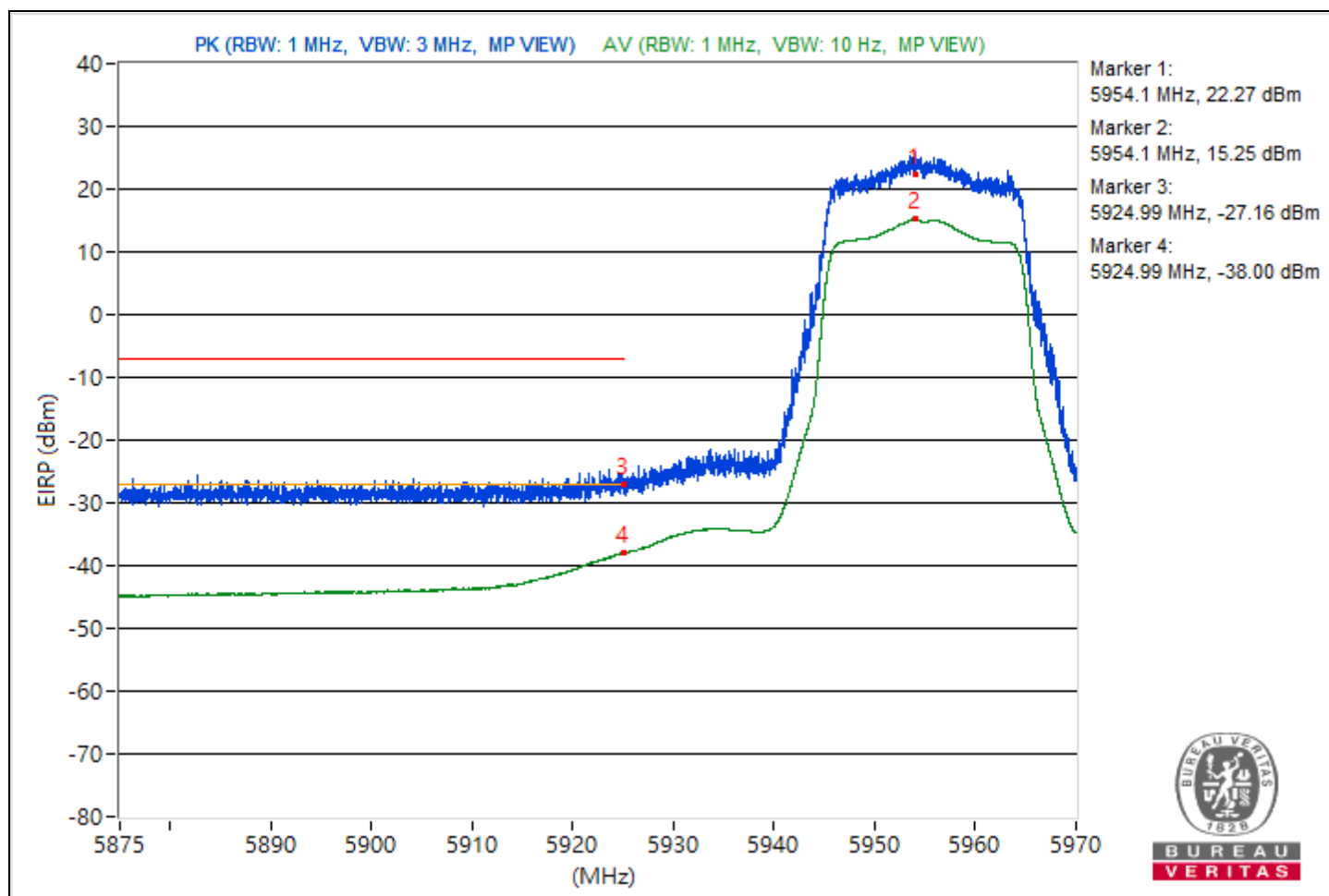


RF Mode	802.11be (EHT20)	Channel	CH 1 : 5955 MHz
Frequency Range	5.875 GHz ~ 5.97 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

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	*5954.1	117.53 PK			11.37	10.83	8.15	22.27
2	*5954.1	110.51 AV			4.17	4.01	8.15	15.25
3	#5924.99	68.1 PK	88.26	-20.16	-38.3	-38.34	8.15	-27.16
4	#5924.99	57.26 AV	68.26	-11	-49.41	-48.93	8.15	-38

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.

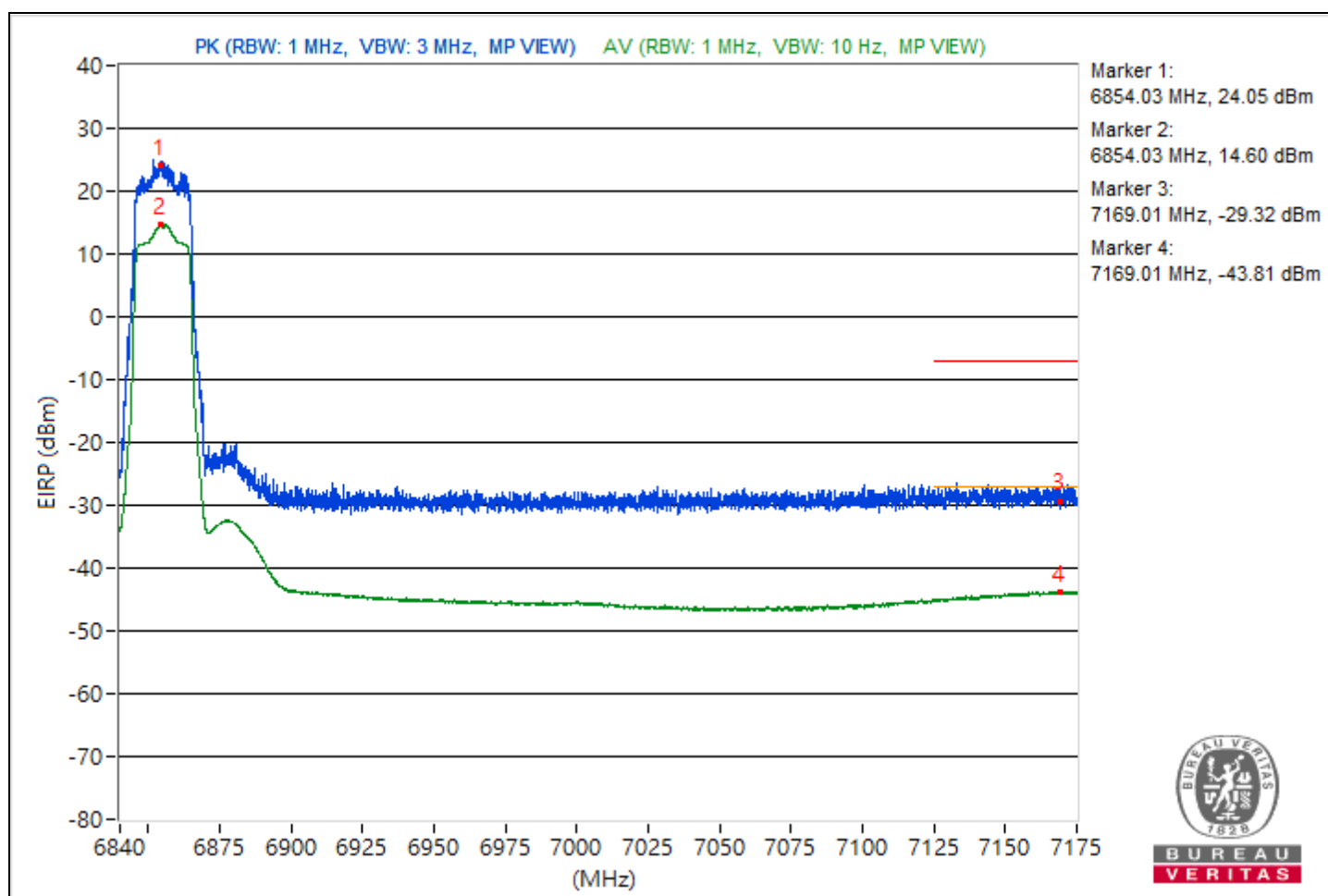


RF Mode	802.11be (EHT20)	Channel	CH 181 : 6855 MHz
Frequency Range	6.84 GHz ~ 7.175 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

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	*6854.03	119.31 PK			12.68	13.06	8.17	24.05
2	*6854.03	109.86 AV			3.67	3.16	8.17	14.6
3	#7169.01	65.94 PK	88.26	-22.32	-40.58	-40.42	8.17	-29.32
4	#7169.01	51.45 AV	68.26	-16.81	-55.03	-54.96	8.17	-43.81

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.

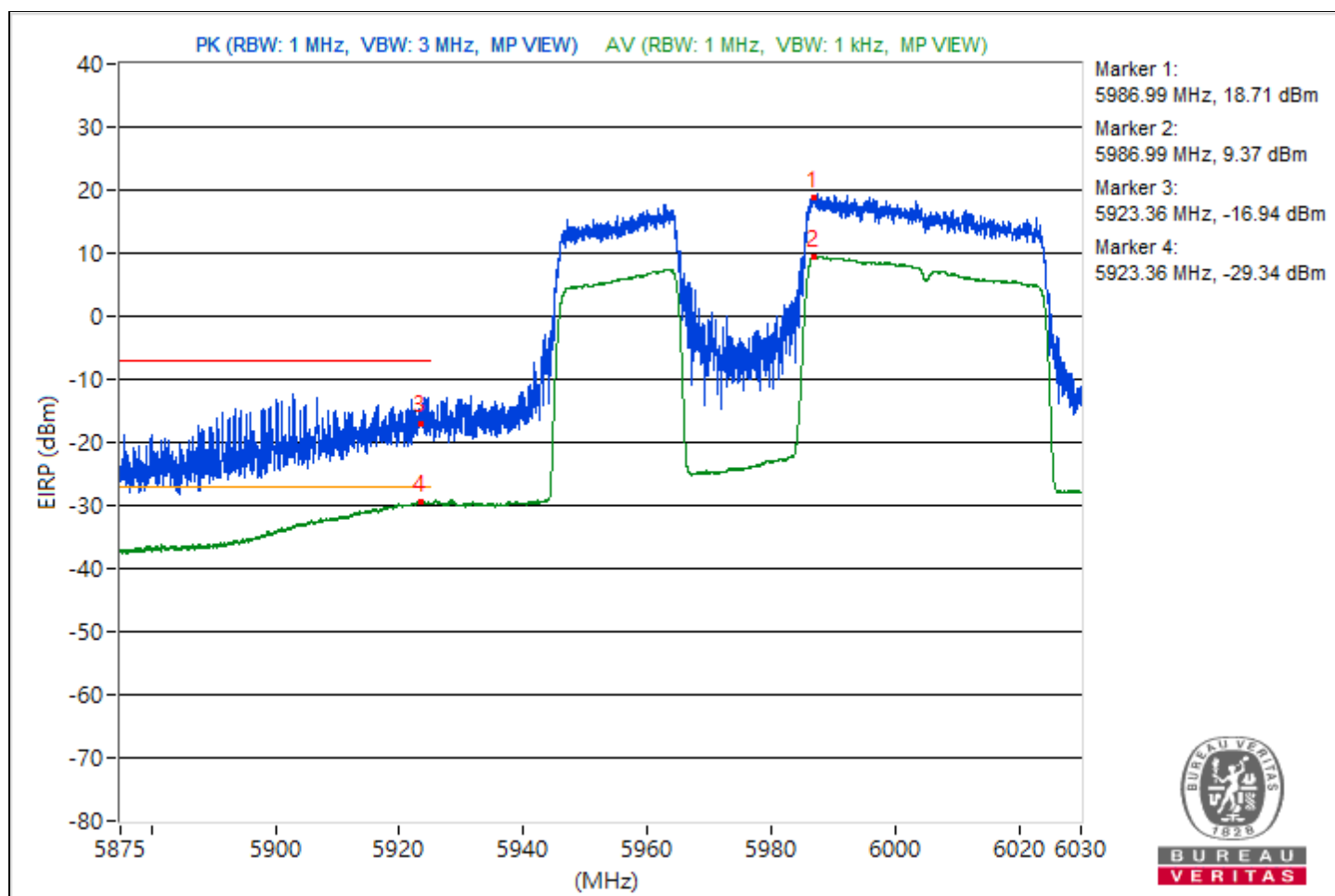


RF Mode	802.11be (EHT80) 484+242-tone MRU	Channel	CH 7 : 5985 MHz
Frequency Range	5.875 GHz ~ 6.03 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

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	*5986.99	113.97 PK			7.5	7.6	8.15	18.71
2	*5986.99	104.63 AV			-1.62	-1.97	8.15	9.37
3	#5923.36	78.32 PK	88.26	-9.94	-26.55	-30.54	8.15	-16.94
4	#5923.36	65.92 AV	68.26	-2.34	-38.89	-43.08	8.15	-29.34

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

2Tx

RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 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	11870.00	49.9 PK	74.0	-24.1	1.69 H	258	34.6	15.3
2	11870.00	39.1 AV	54.0	-14.9	1.69 H	258	23.8	15.3
3	17805.00	60.6 PK	74.0	-13.4	1.64 H	209	34.0	26.6
4	17805.00	47.1 AV	54.0	-6.9	1.64 H	209	20.5	26.6
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	11870.00	48.2 PK	74.0	-25.8	1.35 V	224	32.9	15.3
2	11870.00	38.2 AV	54.0	-15.8	1.35 V	224	22.9	15.3
3	17805.00	60.9 PK	74.0	-13.1	1.25 V	166	34.3	26.6
4	17805.00	46.8 AV	54.0	-7.2	1.25 V	166	20.2	26.6

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 1 : 5955 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	11910.00	49.7 PK	74.0	-24.3	1.63 H	246	34.3	15.4
2	11910.00	39.3 AV	54.0	-14.7	1.63 H	246	23.9	15.4
3	17865.00	61.4 PK	74.0	-12.6	1.62 H	208	33.6	27.8
4	17865.00	47.6 AV	54.0	-6.4	1.62 H	208	19.8	27.8
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	11910.00	48.3 PK	74.0	-25.7	1.41 V	218	32.9	15.4
2	11910.00	38.1 AV	54.0	-15.9	1.41 V	218	22.7	15.4
3	17865.00	60.7 PK	74.0	-13.3	1.25 V	179	32.9	27.8
4	17865.00	46.4 AV	54.0	-7.6	1.25 V	179	18.6	27.8

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.

RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 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	12350.00	49.2 PK	74.0	-24.8	1.67 H	243	34.1	15.1
2	12350.00	39.0 AV	54.0	-15.0	1.67 H	243	23.9	15.1
3	18525.00	61.1 PK	74.0	-12.9	1.61 H	209	66.0	-4.9
4	18525.00	47.2 AV	54.0	-6.8	1.61 H	209	52.1	-4.9
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	12350.00	48.6 PK	74.0	-25.4	1.45 V	209	33.5	15.1
2	12350.00	38.5 AV	54.0	-15.5	1.45 V	209	23.4	15.1
3	18525.00	61.2 PK	74.0	-12.8	1.30 V	185	66.1	-4.9
4	18525.00	46.8 AV	54.0	-7.2	1.30 V	185	51.7	-4.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	802.11be (EHT20)	Channel	CH 93 : 6415 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	#12830.00	49.5 PK	88.2	-38.7	1.72 H	274	33.9	15.6
2	#12830.00	38.9 AV	68.2	-29.3	1.72 H	274	23.3	15.6
3	19245.00	60.9 PK	74.0	-13.1	1.66 H	213	65.2	-4.3
4	19245.00	47.6 AV	54.0	-6.4	1.66 H	213	51.9	-4.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#12830.00	48.9 PK	88.2	-39.3	1.42 V	215	33.3	15.6
2	#12830.00	38.4 AV	68.2	-29.8	1.42 V	215	22.8	15.6
3	19245.00	60.4 PK	74.0	-13.6	1.25 V	167	64.7	-4.3
4	19245.00	46.2 AV	54.0	-7.8	1.25 V	167	50.5	-4.3

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 117 : 6535 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	#13070.00	49.2 PK	88.2	-39.0	1.77 H	276	33.5	15.7
2	#13070.00	38.5 AV	68.2	-29.7	1.77 H	276	22.8	15.7
3	19605.00	60.8 PK	74.0	-13.2	1.68 H	201	64.5	-3.7
4	19605.00	47.3 AV	54.0	-6.7	1.68 H	201	51.0	-3.7
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	#13070.00	48.7 PK	88.2	-39.5	1.47 V	221	33.0	15.7
2	#13070.00	38.3 AV	68.2	-29.9	1.47 V	221	22.6	15.7
3	19605.00	60.2 PK	74.0	-13.8	1.25 V	174	63.9	-3.7
4	19605.00	46.1 AV	54.0	-7.9	1.25 V	174	49.8	-3.7

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 149 : 6695 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	13390.00	49.6 PK	74.0	-24.4	1.77 H	283	31.9	17.7
2	13390.00	38.7 AV	54.0	-15.3	1.77 H	283	21.0	17.7
3	20085.00	60.8 PK	74.0	-13.2	1.62 H	194	64.6	-3.8
4	20085.00	47.1 AV	54.0	-6.9	1.62 H	194	50.9	-3.8
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	13390.00	48.3 PK	74.0	-25.7	1.41 V	211	30.6	17.7
2	13390.00	38.1 AV	54.0	-15.9	1.41 V	211	20.4	17.7
3	20085.00	60.3 PK	74.0	-13.7	1.27 V	175	64.1	-3.8
4	20085.00	46.2 AV	54.0	-7.8	1.27 V	175	50.0	-3.8

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.

RF Mode	802.11be (EHT20)	Channel	CH 181 : 6855 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	#13710.00	49.8 PK	88.2	-38.4	1.74 H	296	31.3	18.5
2	#13710.00	38.7 AV	68.2	-29.5	1.74 H	296	20.2	18.5
3	20565.00	61.2 PK	74.0	-12.8	1.58 H	197	64.4	-3.2
4	20565.00	47.5 AV	54.0	-6.5	1.58 H	197	50.7	-3.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#13710.00	48.9 PK	88.2	-39.3	1.35 V	222	30.4	18.5
2	#13710.00	37.8 AV	68.2	-30.4	1.35 V	222	19.3	18.5
3	20565.00	60.7 PK	74.0	-13.3	1.30 V	161	63.9	-3.2
4	20565.00	46.7 AV	54.0	-7.3	1.30 V	161	49.9	-3.2

Remarks:

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

RF Mode	802.11be (EHT80) 484+242-tone MRU	Channel	CH 7 : 5985 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	11970.00	48.9 PK	74.0	-25.1	1.71 H	288	33.4	15.5
2	11970.00	38.4 AV	54.0	-15.6	1.71 H	288	22.9	15.5
3	17955.00	60.6 PK	74.0	-13.4	1.70 H	221	30.6	30.0
4	17955.00	47.3 AV	54.0	-6.7	1.70 H	221	17.3	30.0
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	11970.00	48.6 PK	74.0	-25.4	1.31 V	220	33.1	15.5
2	11970.00	37.5 AV	54.0	-16.5	1.31 V	220	22.0	15.5
3	17955.00	60.4 PK	74.0	-13.6	1.29 V	161	30.4	30.0
4	17955.00	46.4 AV	54.0	-7.6	1.29 V	161	16.4	30.0

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.

RF Mode	802.11be (EHT80) 484+242-tone MRU	Channel	CH 135 : 6625 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		

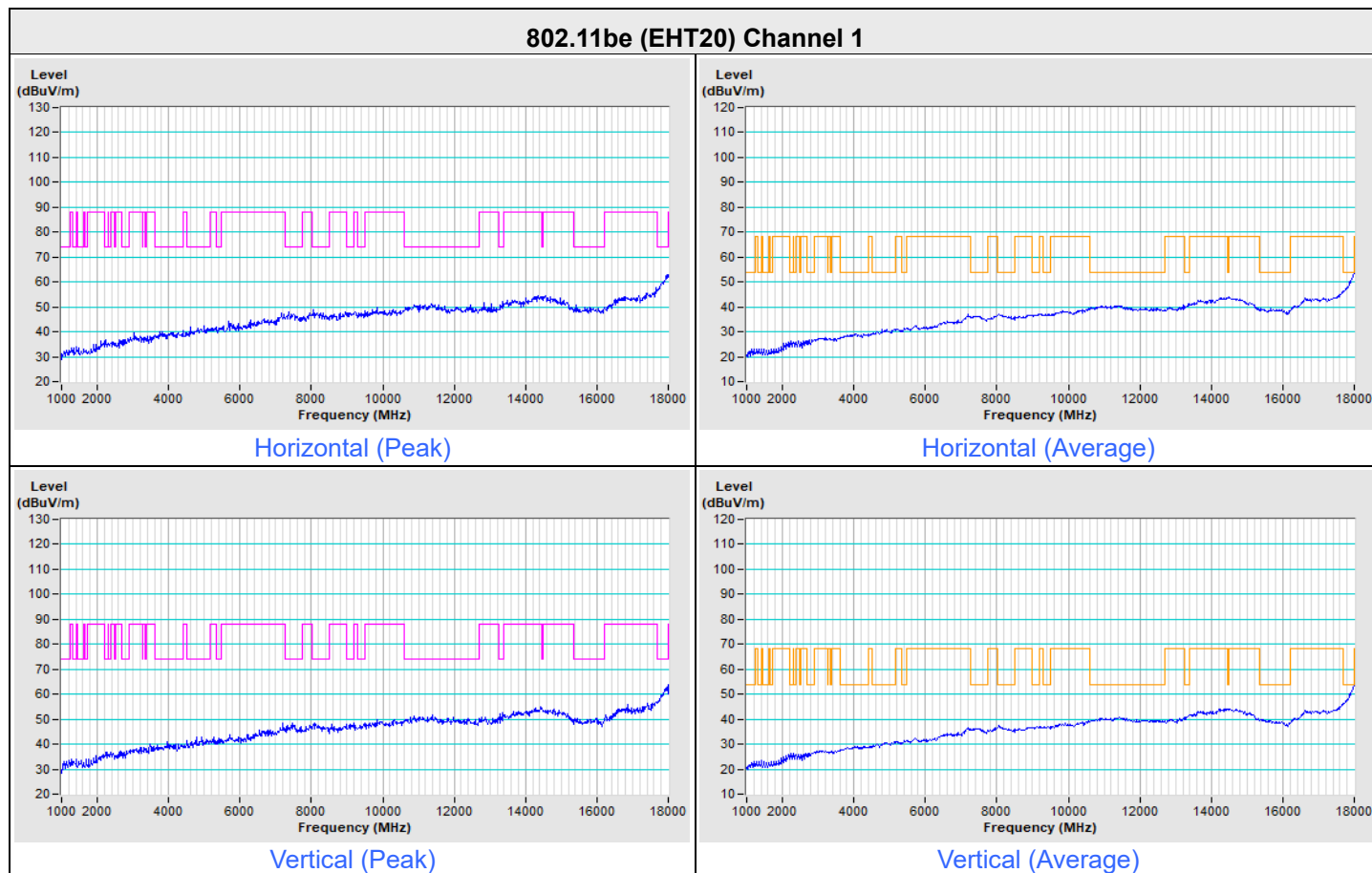
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	13250.00	49.7 PK	74.0	-24.3	1.70 H	295	32.9	16.8
2	13250.00	38.6 AV	54.0	-15.4	1.70 H	295	21.8	16.8
3	19875.00	61.1 PK	74.0	-12.9	1.57 H	209	64.9	-3.8
4	19875.00	47.3 AV	54.0	-6.7	1.57 H	209	51.1	-3.8
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	13250.00	48.2 PK	74.0	-25.8	1.30 V	204	31.4	16.8
2	13250.00	37.2 AV	54.0	-16.8	1.30 V	204	20.4	16.8
3	19875.00	59.9 PK	74.0	-14.1	1.30 V	177	63.7	-3.8
4	19875.00	46.1 AV	54.0	-7.9	1.30 V	177	49.9	-3.8

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.

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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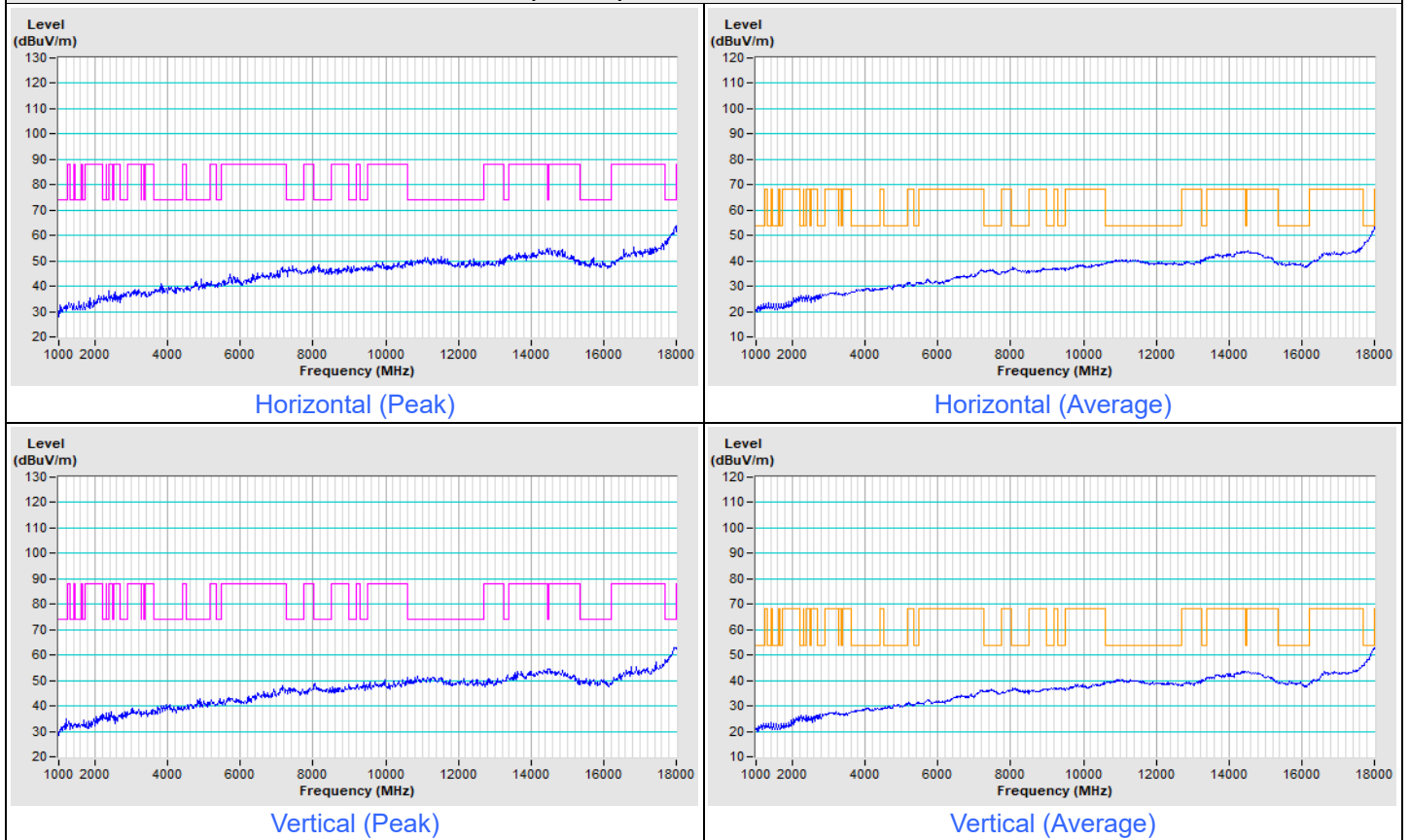


Notes:

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 7



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:

Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@bureauveritas.com

Web Site: <http://ee.bureauveritas.com.tw>

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

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