

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBENL-WTW-P24060724B-2

FCC ID: RYK-WNFQ291BEBT

Product: WiFi 7/BT module

Brand: Sparklan

Model No.: WNFQ-292BE(BT)

Series Model: WNFQ-291BE(BT), WNFQ-291BEI(BT)

Received Date: 2025/3/5

Test Date: 2025/5/5 ~ 2025/8/20

Issued Date: 2025/9/17

Applicant: SparkLAN Communications, Inc.

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FCC Registration / 723255 / TW2022

Designation Number:

Approved by: _____



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2025/9/17

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Release Control Record

Issue No.	Description	Date Issued
RFBENL-WTW-P24060724B-2	Original release.	2025/9/17

1 Certificate

Product: WiFi 7/BT module

Brand: Sparklan

Test Model: WNFQ-292BE(BT)

Series Model: WNFQ-291BE(BT), WNFQ-291BEI(BT)

Sample Status: Engineering sample

Applicant: SparkLAN Communications, Inc.

Test Date: 2025/5/5 ~ 2025/8/20

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

Measurement procedure: ANSI C63.10-2020
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 -13.52 dB at 25.87500 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -3.8 dB at 33.00 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.12 dB at 5924.98 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.: RFBENL-WTW-P24060724-2).
- 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	5.4 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-292BE(BT)
Series Model	WNFQ-291BE(BT), WNFQ-291BEI(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: 90.782 mW (19.58 dBm) 6.435 GHz ~ 6.525 GHz: EIRP: 81.097 mW (19.09 dBm) 6.535 GHz ~ 6.865 GHz: EIRP: 82.034 mW (19.14 dBm) 6.875 GHz ~ 7.115 GHz: EIRP: 82.036 mW (19.14 dBm) (under control of standard power AP) 5.935 GHz ~ 6.415 GHz: EIRP: 197.465 mW (22.95 dBm) 6.535 GHz ~ 6.865 GHz: EIRP: 195.916 mW (22.92 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 Report No.: RFBENL-WTW-P24060724-2 as the following:
 - ◆ Add model: WNFQ-292BE(BT)
 - ◆ Add 2nd source pin to pin chip: QCC2076 for model WNFQ-292BE(BT).
 - ◆ Disable WiFi-7 bandwidth 320 MHz for model WNFQ-292BE(BT).
 - ◆ Upgraded ANSI C63.10 standard version.
 - ◆ Remove NPTH for WNFQ-292BE(BT).
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	Difference
Sparklan	WNFQ-291BEI(BT)	All models are electrically identical, different model names are for marketing purpose.
	WNFQ-291BE(BT)	
	WNFQ-292BE(BT)	1. Chip QCC2076 2. Disable WiFi-7 bandwidth 320 MHz

From the above models, model: WNFQ-292BE(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.

DBS			
Combination	Technology		
1	WLAN(2.4GHz)_Ant 0+1	WLAN(5GHz) _Ant 0+1	
2	WLAN(2.4GHz) _Ant 0+1	WLAN(6GHz) _Ant 0+1	
HBS+BT			
Combination	Technology		
3	Bluetooth _Ant 0+1	WLAN(5GHz) _Ant 0+1	
4	Bluetooth _Ant 0+1	WLAN(6GHz) _Ant 0+1	
5	WLAN(5GHz _U-NII-1, U-NII-2A) _Ant 0+1	WLAN(5GHz _U-NII-2C, U-NII-3, U-NII-4) _Ant 0+1	Bluetooth
6	WLAN(5GHz _U-NII-1, U-NII-2A) _Ant 0+1	WLAN(6GHz) _Ant 0+1	Bluetooth

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.

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			

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
				2.61	6.875~7.125			
				1.65	2.4~2.4835			
				4.3	5.150~5.850			
				4.38	5.850~5.895			
				4.43	5.925~6.425			
8	Chain0/1	Johanson	2450AD18A6050	4.45	6.425~6.525	Chip	MHF4L to SMA-F	-
				4.46	6.525~6.875			
				4.48	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 (fixed chain 0)	2RX
802.11ax (HE20)	2TX / 1TX (fixed chain 0)	2RX
802.11ax (HE40)	2TX / 1TX (fixed chain 0)	2RX
802.11ax (HE80)	2TX / 1TX (fixed chain 0)	2RX
802.11ax (HE160)	2TX / 1TX (fixed chain 0)	2RX
802.11be (EHT20)	2TX / 1TX (fixed chain 0)	2RX
802.11be (EHT40)	2TX / 1TX (fixed chain 0)	2RX
802.11be (EHT80)	2TX / 1TX (fixed chain 0)	2RX
802.11be (EHT160)	2TX / 1TX (fixed chain 0)	2RX
802.11ax (RU26/52/106/242/484/996/2*996)	2TX / 1TX (fixed chain 0)	2RX
802.11be (RU26/52/106/242/484/996/2*996/ MRU52+26/106+26/484+242/996+484 996+484+242)	2TX / 1TX (fixed chain 0)	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

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

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

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

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

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tx Ant.	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	-	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 (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 Configure Mode	Mode	Category	Signal Mode	Tx Ant.	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	-	802.11be (EHT20) 52+26-tone MRU	under control of low power indoor AP	NSS1	2Tx	45, 105, 185, 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				45, 105, 185, 209	BPSK	MCS0	UL_RU106 +26_Low_8 2_MCS0, UL_RU106 +26_High_8 3_MCS0, UL_RU106 +26_Low_8 2_MCS0, UL_RU106 +26_High_8 3_MCS0,
		802.11be (EHT80) 484+242-tone MRU				7, 103, 119, 199	BPSK	MCS0	UL_RU484 +242_Punc 20_91_MC S0
		802.11be (EHT160) 996+484-tone MRU				47, 111, 143, 207	BPSK	MCS0	UL_RU996 +484_Low_ MCS0 UL_RU996 +484_Punc 40_MCS0
		802.11be (EHT80) Punctured by 20 MHz				7, 103, 119, 199	BPSK	MCS0	EHT80_SU _Punct20_ Mid2
		802.11be (EHT160) Punctured by 20 MHz				47, 111, 143, 207	BPSK	MCS0	EHT160_S U_Punct20 _High
		802.11be (EHT160) Punctured by 40 MHz				47, 111, 143, 207	BPSK	MCS0	EHT160_S U_Punct40 _Mid2
		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

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tx Ant.	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	-	802.11be (EHT20) 26- tone RU	under control of standard power AP	NSS1	2Tx	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				1, 117	BPSK	MCS0	61, 61
		802.11be (EHT40) 484- tone RU				3, 123	BPSK	MCS0	65, 65
		802.11be (EHT80) 996- tone RU				7, 135	BPSK	MCS0	67, 67
		802.11be (EHT160) 2x996-tone RU				15, 143	BPSK	MCS0	68, 68
		802.11be (EHT20) 52+26-tone MRU				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_8 2_MCS0, UL_RU106 +26_High_8 3_MCS0,
		802.11be (EHT80) 484+242-tone MRU				7, 135	BPSK	MCS0	UL_RU484 +242_Punc 20_91_MC S0
		802.11be (EHT160) 996+484-tone MRU				15, 143	BPSK	MCS0	UL_RU996 +484_Punc 40_MCS0
		802.11be (EHT80) Punctured by 20 MHz				7, 135	BPSK	MCS0	EHT80_SU _Punct20_ Mid2
		802.11be (EHT160) Punctured by 20 MHz				15, 143	BPSK	MCS0	EHT160_S U_Punct20 _High
		802.11be (EHT160) Punctured by 40 MHz				15, 143	BPSK	MCS0	EHT160_S U_Punct40 _High

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tx Ant.	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
AC Power Conducted Emissions	C	802.11be (EHT160)	under control of low power indoor AP	NSS1	1Tx	15	BPSK	MCS0	NA
		802.11be (EHT20)	under control of standard power AP	NSS1	2Tx	45	BPSK	MCS0	NA
Unwanted Emissions below 1 GHz	A, B	802.11be (EHT160)	under control of low power indoor AP	NSS1	1Tx	15	BPSK	MCS0	NA
		802.11be (EHT20)	under control of standard power AP	NSS1	2Tx	45	BPSK	MCS0	NA
Unwanted Emissions above 1 GHz	A, B	802.11be (EHT20)	under control of low power indoor AP	NSS1	1Tx	2	BPSK	MCS0	NA
		802.11be (EHT160)		NSS1	1Tx	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
		802.11be (EHT20) 106-tone RU		NSS1	2Tx	1	BPSK	MCS0	53
		802.11be (EHT20)	under control of standard power AP	NSS1	2Tx	2, 1, 45, 93, 117, 149, 181	BPSK	MCS0	NA
		802.11be (EHT20) 106-tone RU		NSS1	2Tx	1	BPSK	MCS0	53
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 Below & Above 1GHz 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 band of UNII5/6/7/8 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

under control of low power indoor AP

1Tx

802.11a: Duty cycle = 2.09 ms / 2.117 ms x 100% = 98.7%

802.11be (EHT20): Duty cycle = 2.712 ms / 2.739 ms x 100% = 99.0%

802.11be (EHT40): Duty cycle = 5.357 ms / 5.432 ms x 100% = 98.6%

802.11be (EHT80): Duty cycle = 5.228 ms / 5.296 ms x 100% = 98.7%

802.11be (EHT160): Duty cycle = 4.399 ms / 4.467 ms x 100% = 98.5%



2Tx

802.11a: Duty cycle = 2.081 ms / 2.12 ms x 100% = 98.2%

802.11be (EHT20): Duty cycle = 2.729 ms / 2.782 ms x 100% = 98.1%

802.11be (EHT40): Duty cycle = 1.599 ms / 1.618 ms x 100% = 98.8%

802.11be (EHT80): Duty cycle = 1.011 ms / 1.023 ms x 100% = 98.8%

802.11be (EHT160): Duty cycle = 0.746 ms / 0.76 ms x 100% = 98.2%

802.11be (EHT20) 26-tone RU: Duty cycle = 5.07 ms / 5.138 ms x 100% = 98.7%

802.11be (EHT20) 52-tone RU: Duty cycle = 5.039 ms / 5.115 ms x 100% = 98.5%

802.11be (EHT20) 106-tone RU: Duty cycle = 3.047 ms / 3.07 ms x 100% = 99.3%

802.11be (EHT20) 242-tone RU: Duty cycle = 5.07 ms / 5.123 ms x 100% = 99.0%

802.11be (EHT40) 484-tone RU: Duty cycle = 3.318 ms / 3.356 ms x 100% = 98.9%

802.11be (EHT80) 996-tone RU: Duty cycle = 1.622 ms / 1.647 ms x 100% = 98.5%

802.11be (EHT160) 2x996-tone RU: Duty cycle = 2.149 ms / 2.179 ms x 100% = 98.6%

802.11be (EHT20) 52+26-tone MRU: Duty cycle = 5.07 ms / 5.123 ms x 100% = 99.0%

802.11be (EHT20) 106+26-tone MRU: Duty cycle = 5.07 ms / 5.123 ms x 100% = 99.0%

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

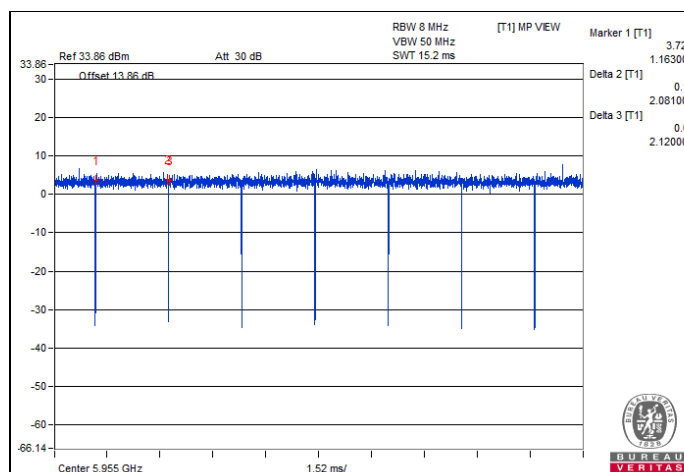
Duty cycle = 1.101 ms / 1.141 ms x 100% = 96.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.15 \text{ dB}$

802.11be (EHT160) 996+484-tone MRU: Duty cycle = 2.149 ms / 2.179 ms x 100% = 98.6%

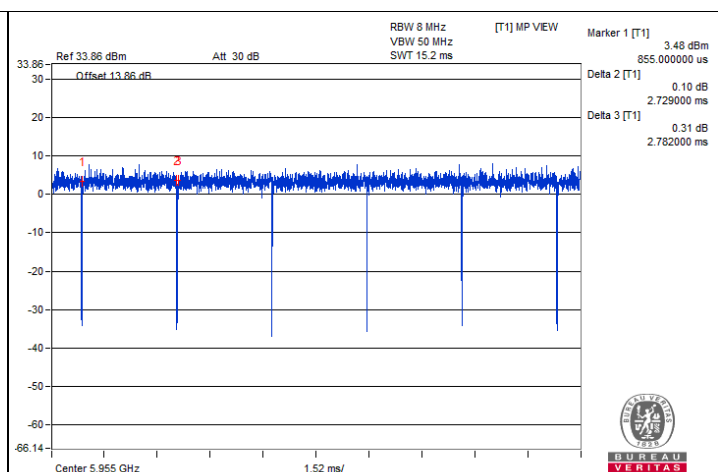
802.11be (EHT80) Punctured by 20 MHz: Duty cycle = 1.622 ms / 1.647 ms x 100% = 98.5%

802.11be (EHT160) Punctured by 20 MHz: Duty cycle = 2.149 ms / 2.179 ms x 100% = 98.6%

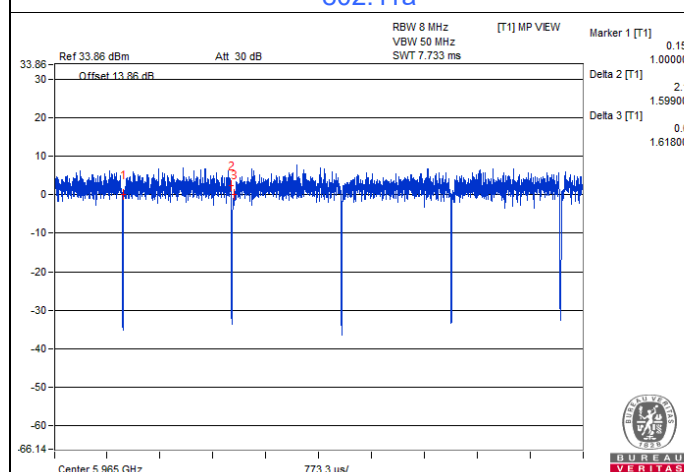
802.11be (EHT160) Punctured by 40 MHz: Duty cycle = 2.149 ms / 2.179 ms x 100% = 98.6%



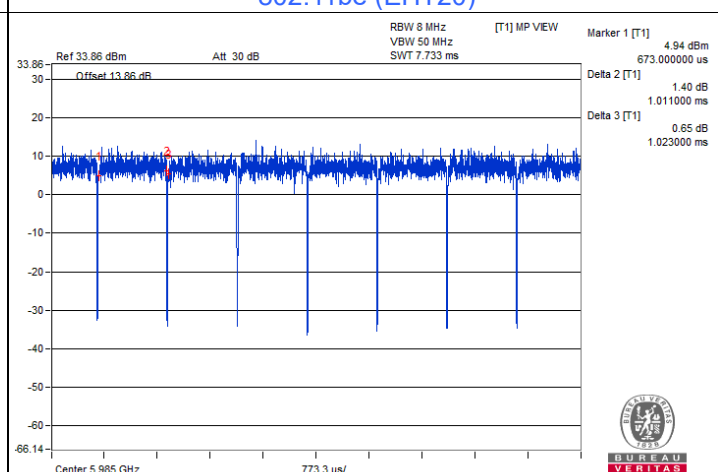
802.11a



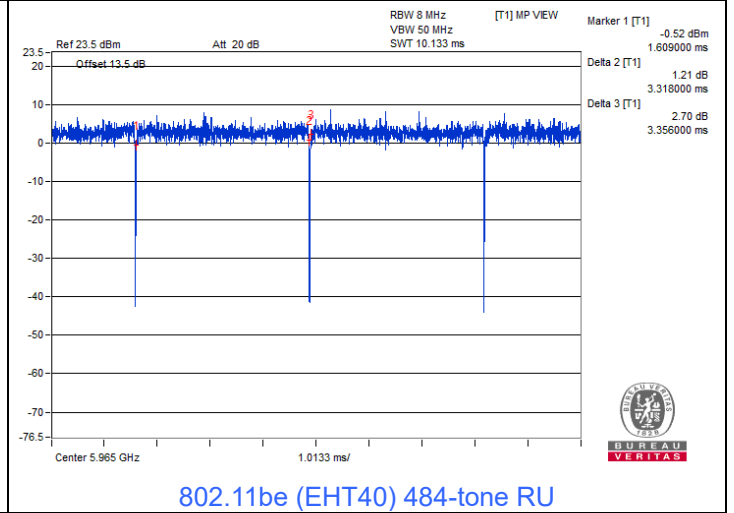
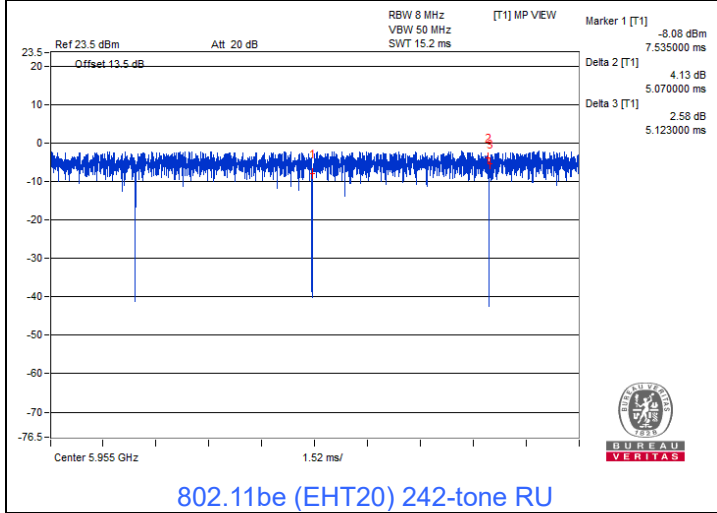
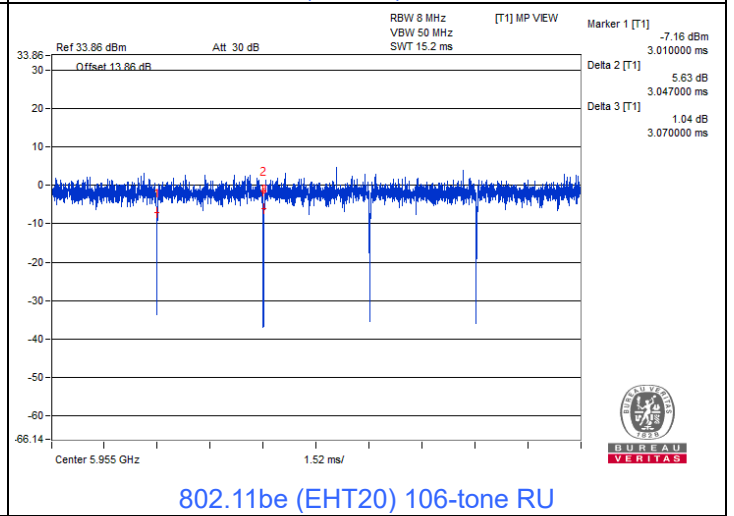
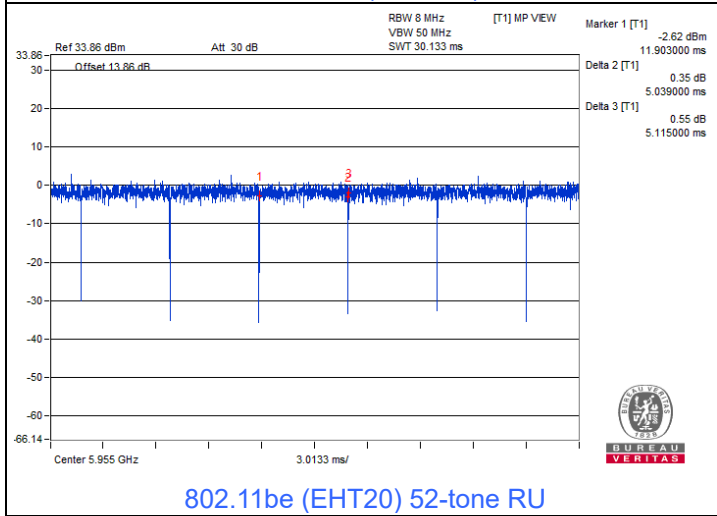
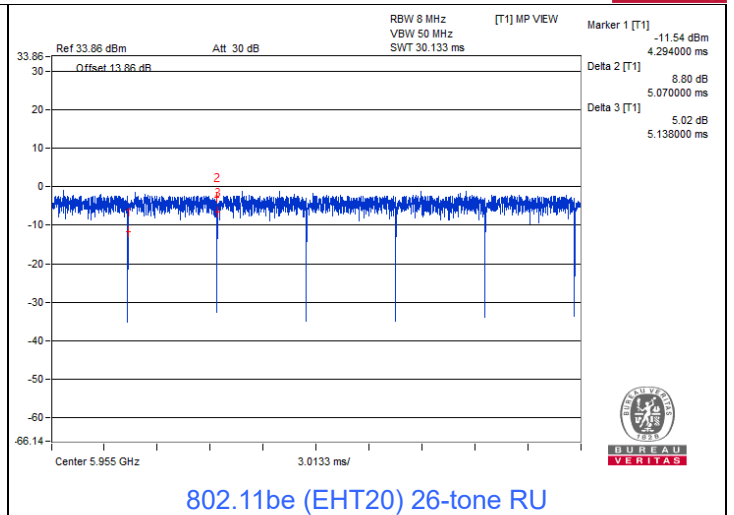
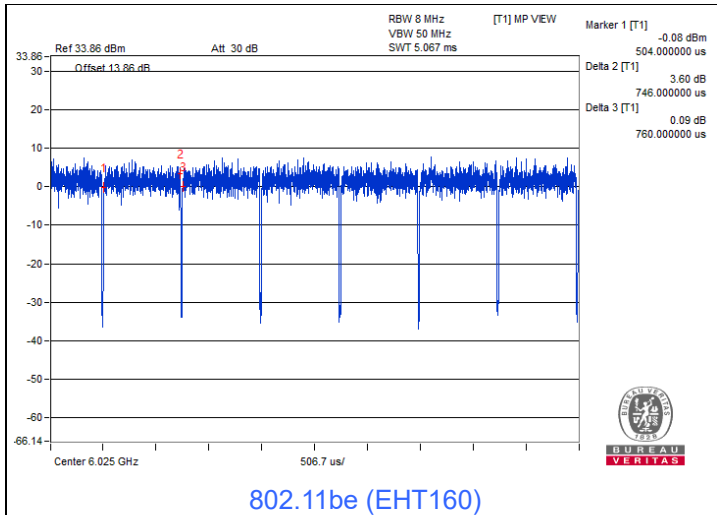
802.11be (EHT20)

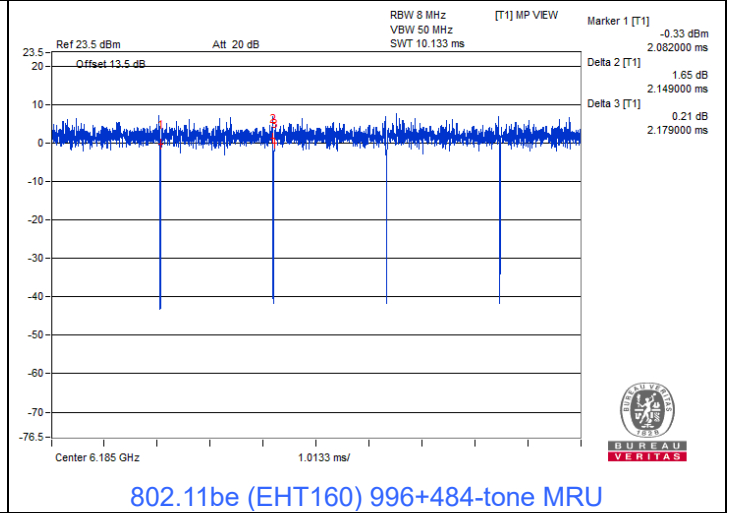
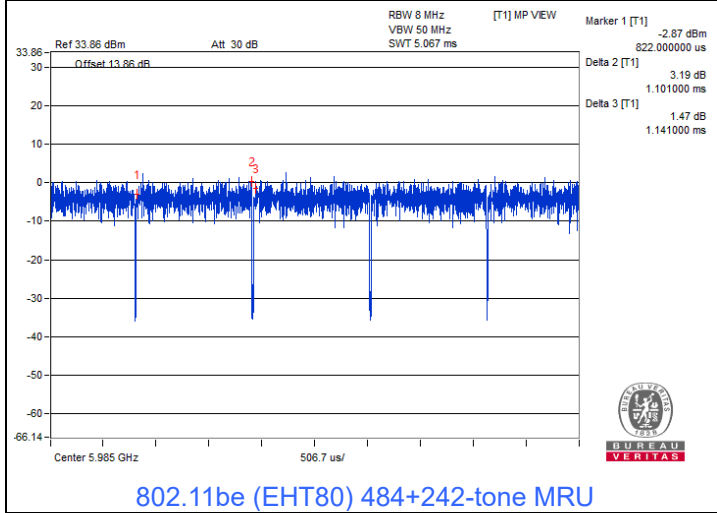
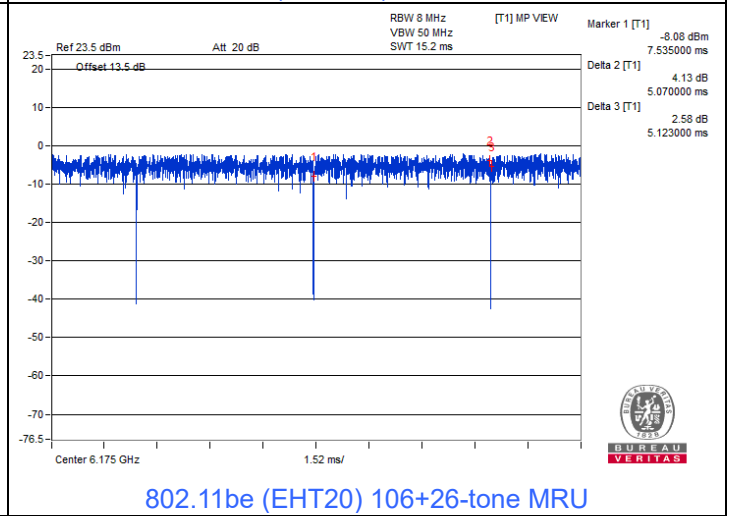
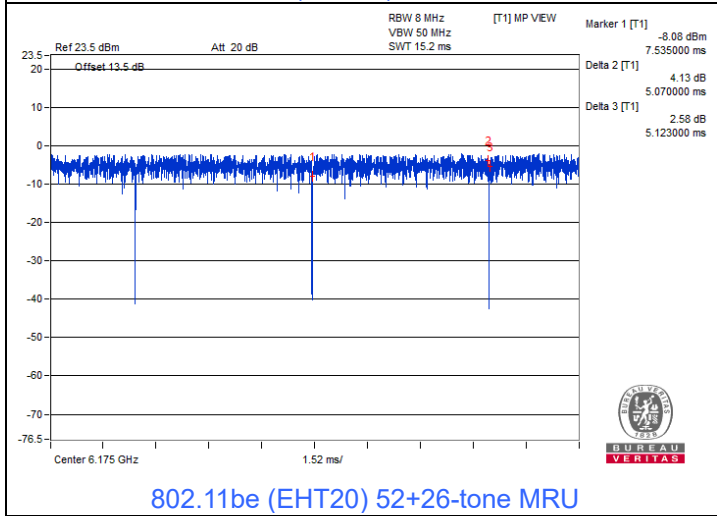
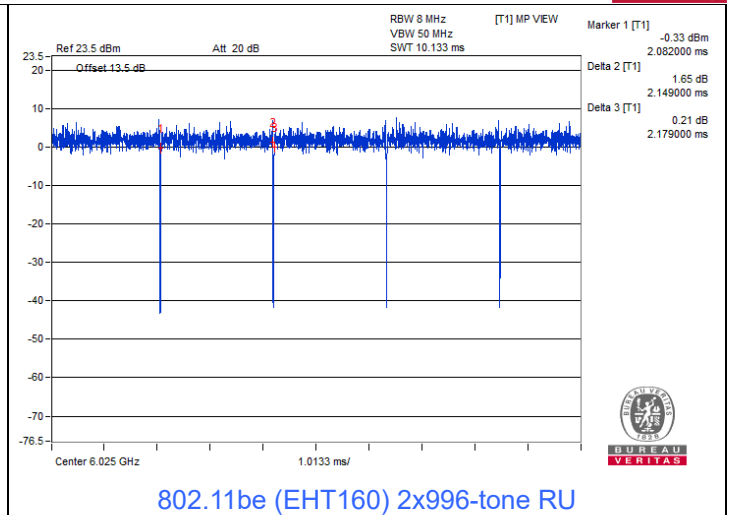
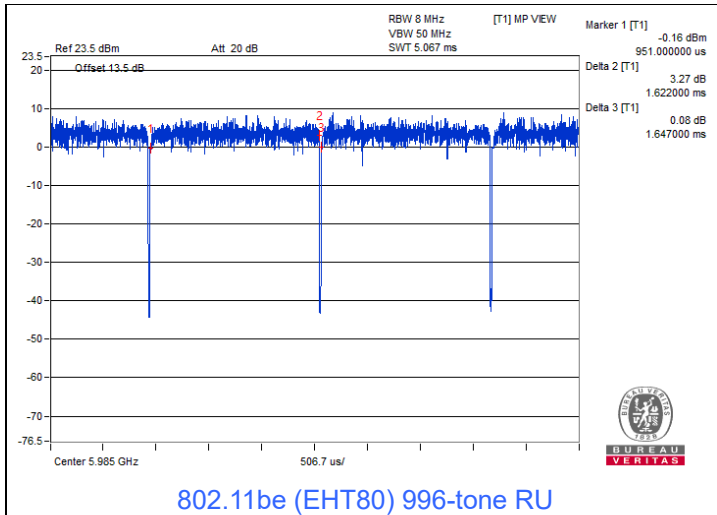


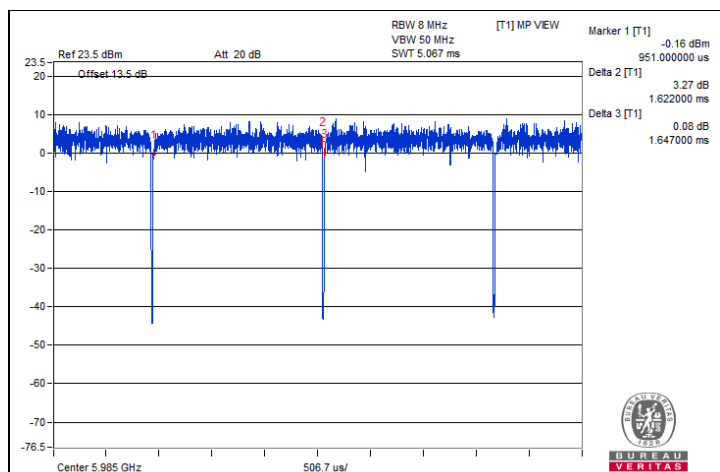
802.11be (EHT40)



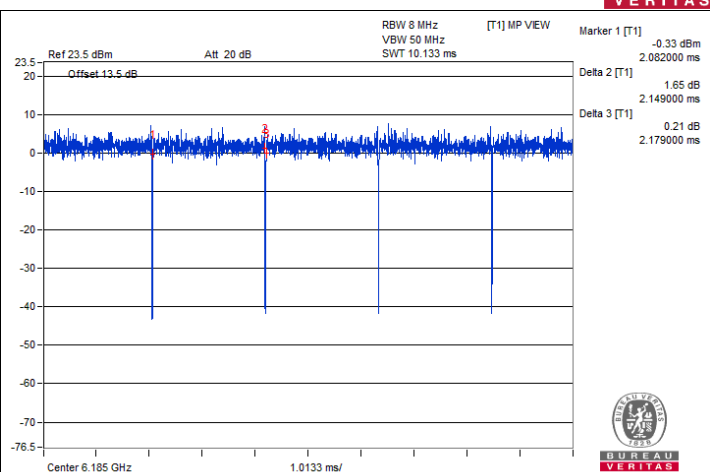
802.11be (EHT80)



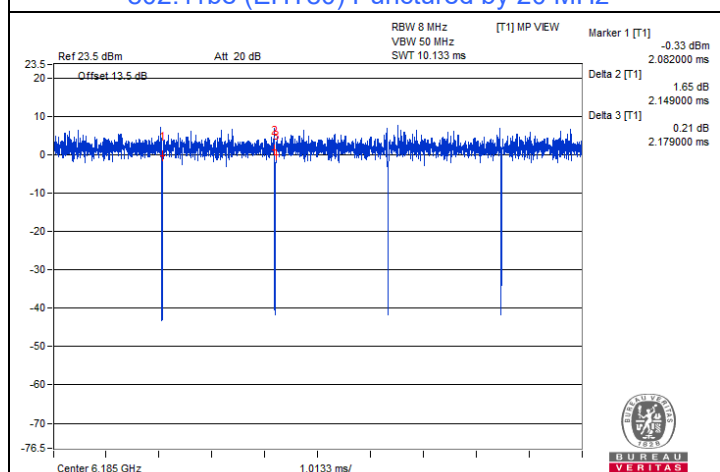




802.11be (EHT80) Punctured by 20 MHz



802.11be (EHT160) Punctured by 20 MHz

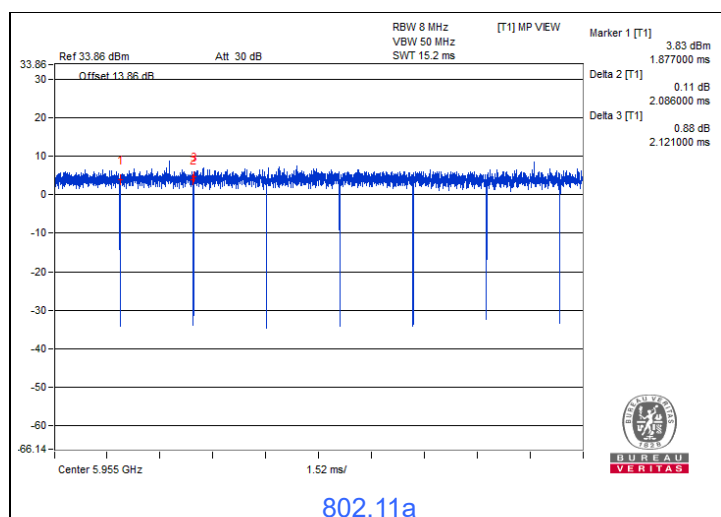


802.11be (EHT160) Punctured by 40 MHz

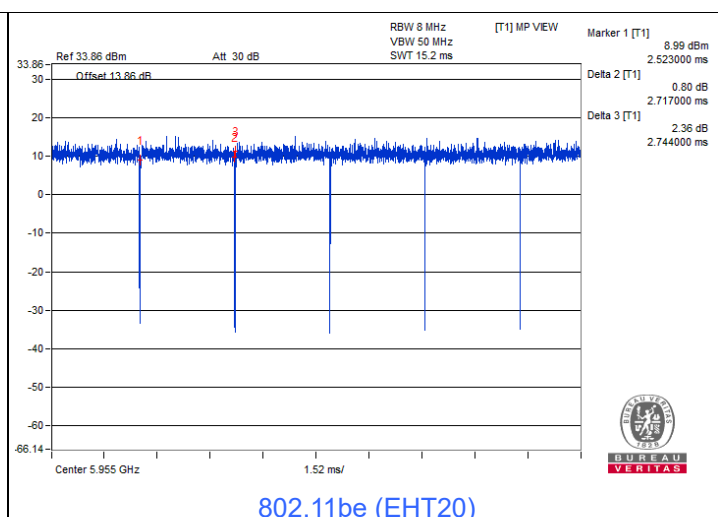
under control of standard power AP

2Tx

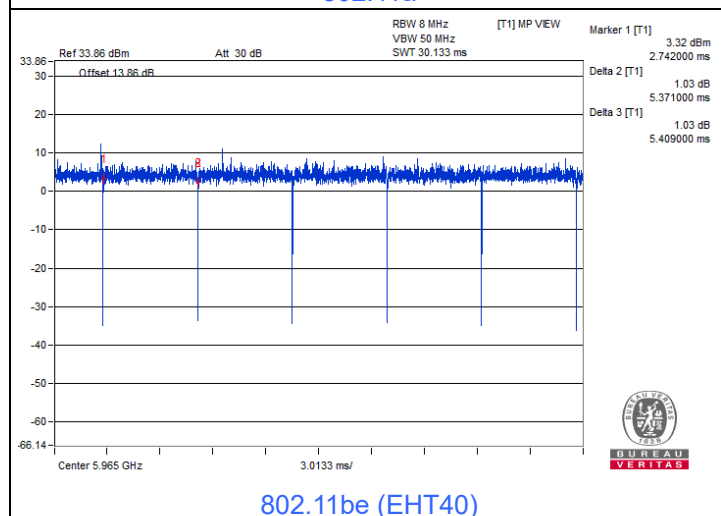
802.11a: Duty cycle = 2.086 ms / 2.121 ms x 100% = 98.3%
802.11be (EHT20): Duty cycle = 2.717 ms / 2.744 ms x 100% = 99.0%
802.11be (EHT40): Duty cycle = 5.371 ms / 5.409 ms x 100% = 99.3%
802.11be (EHT80): Duty cycle = 1.023 ms / 1.032 ms x 100% = 99.1%
802.11be (EHT160): Duty cycle = 0.746 ms / 0.76 ms x 100% = 98.2%
802.11be (EHT20) 26-tone RU: Duty cycle = 5.07 ms / 5.138 ms x 100% = 98.7%
802.11be (EHT20) 52-tone RU: Duty cycle = 5.063 ms / 5.13 ms x 100% = 98.7%
802.11be (EHT20) 106-tone RU: Duty cycle = 3.045 ms / 3.07 ms x 100% = 99.2%
802.11be (EHT20) 242-tone RU: Duty cycle = 5.07 ms / 5.123 ms x 100% = 99.0%
802.11be (EHT40) 484-tone RU: Duty cycle = 3.318 ms / 3.356 ms x 100% = 98.9%
802.11be (EHT80) 996-tone RU: Duty cycle = 1.622 ms / 1.647 ms x 100% = 98.5%
802.11be (EHT160) 2x996-tone RU: Duty cycle = 2.149 ms / 2.179 ms x 100% = 98.6%
802.11be (EHT20) 52+26-tone MRU: Duty cycle = 5.07 ms / 5.123 ms x 100% = 99.0%
802.11be (EHT20) 106+26-tone MRU: Duty cycle = 5.07 ms / 5.123 ms x 100% = 99.0%
802.11be (EHT80) 484+242-tone MRU: Duty cycle = 1.124 ms / 1.143 ms x 100% = 98.3%
802.11be (EHT160) 996+484-tone MRU: Duty cycle = 2.149 ms / 2.179 ms x 100% = 98.6%
802.11be (EHT80) Punctured by 20 MHz: Duty cycle = 1.622 ms / 1.647 ms x 100% = 98.5%
802.11be (EHT160) Punctured by 20 MHz: Duty cycle = 2.149 ms / 2.179 ms x 100% = 98.6%
802.11be (EHT160) Punctured by 40 MHz: Duty cycle = 2.149 ms / 2.179 ms x 100% = 98.6%



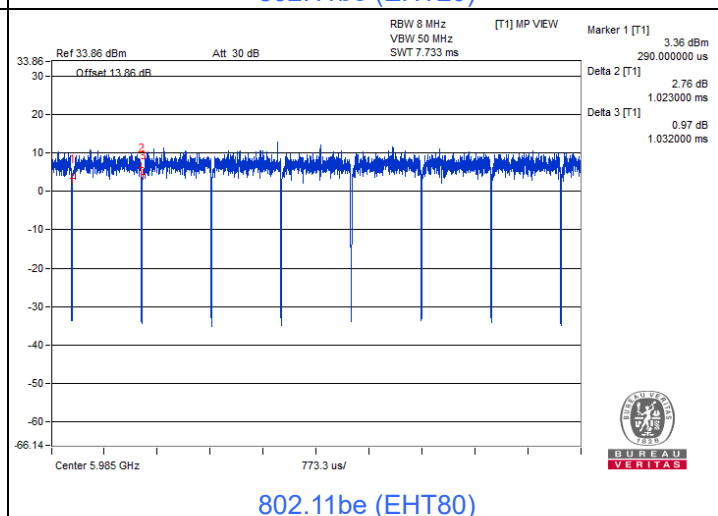
802.11a



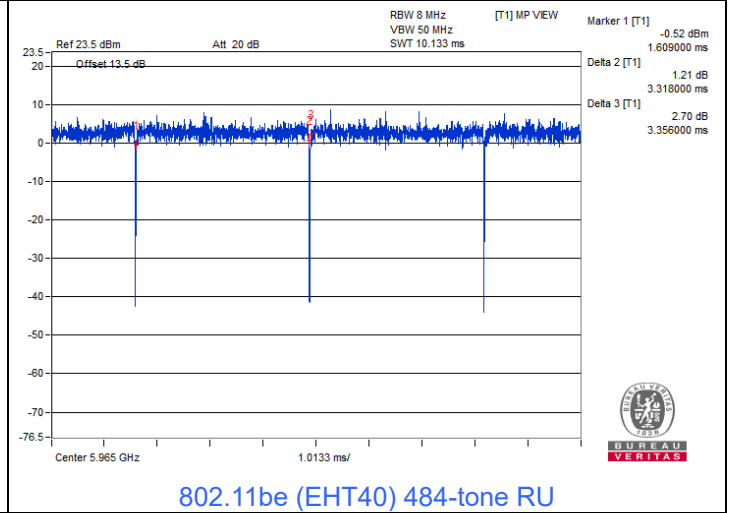
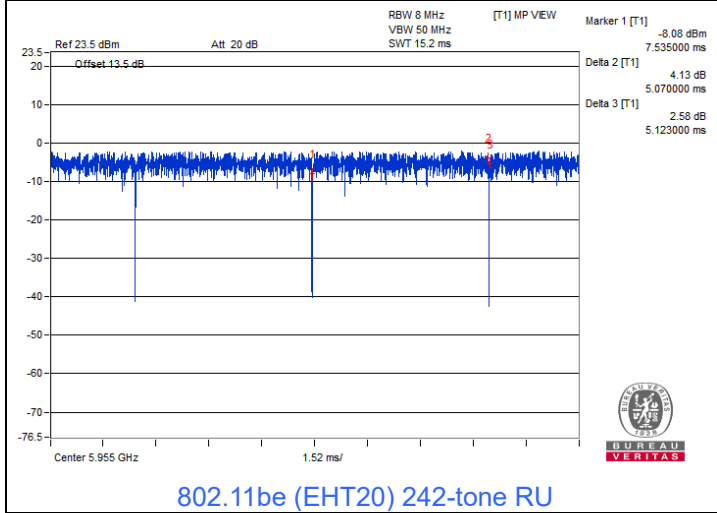
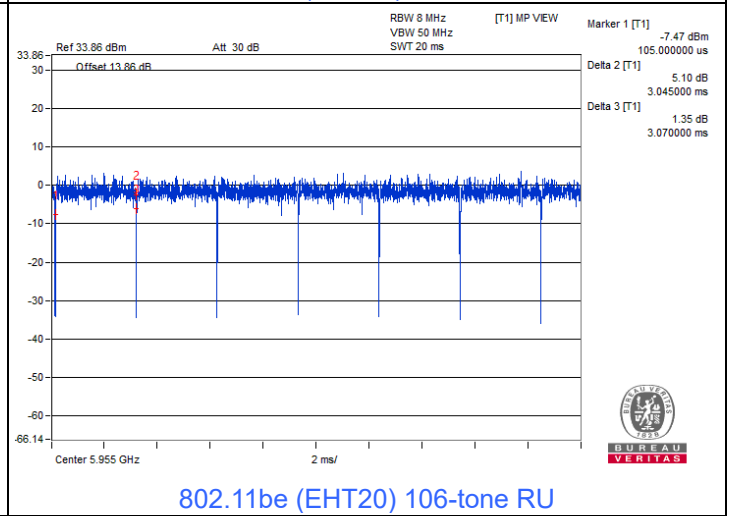
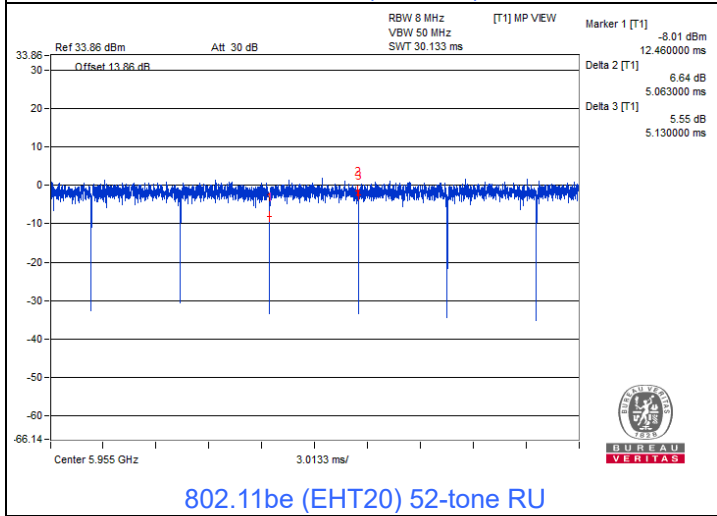
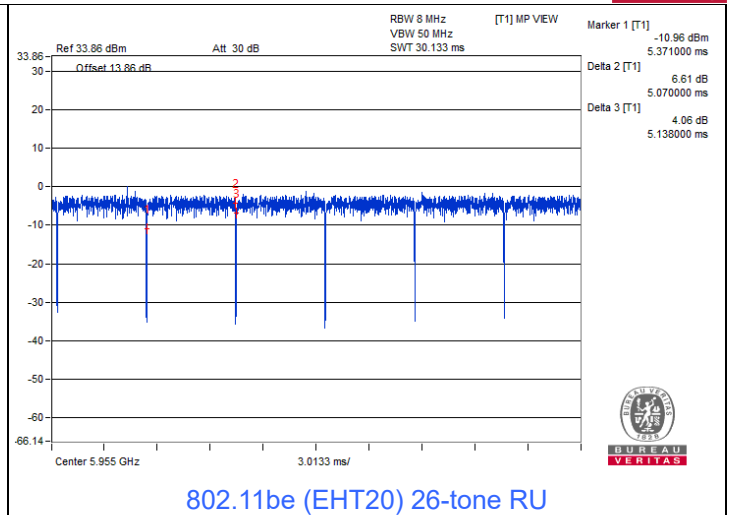
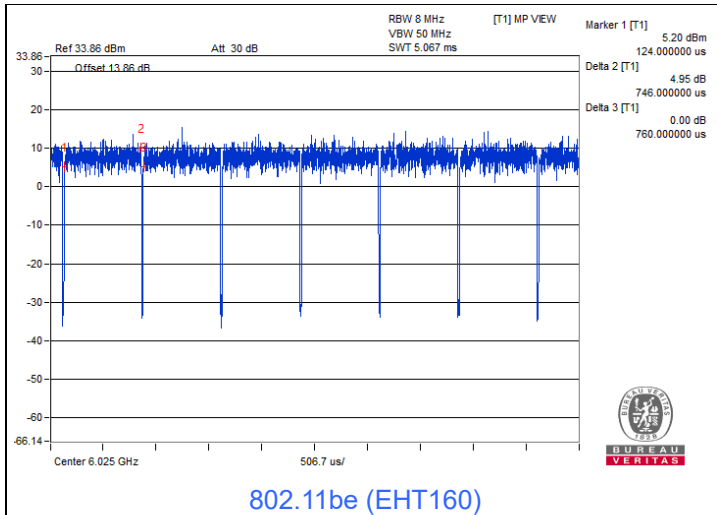
802.11be (EHT20)

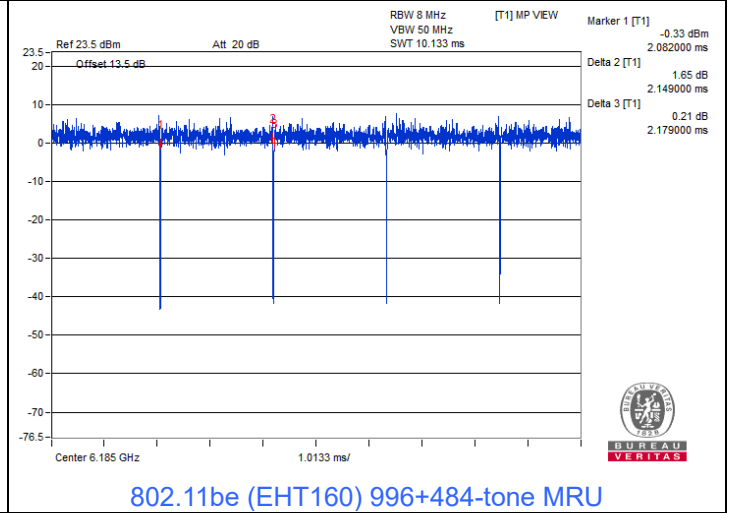
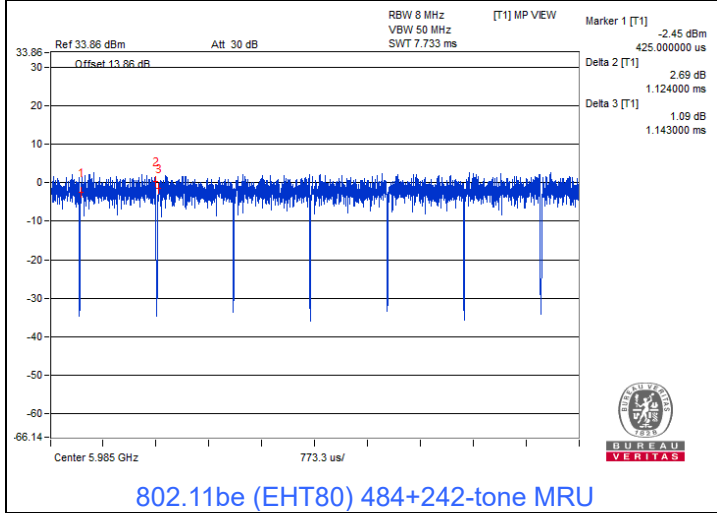
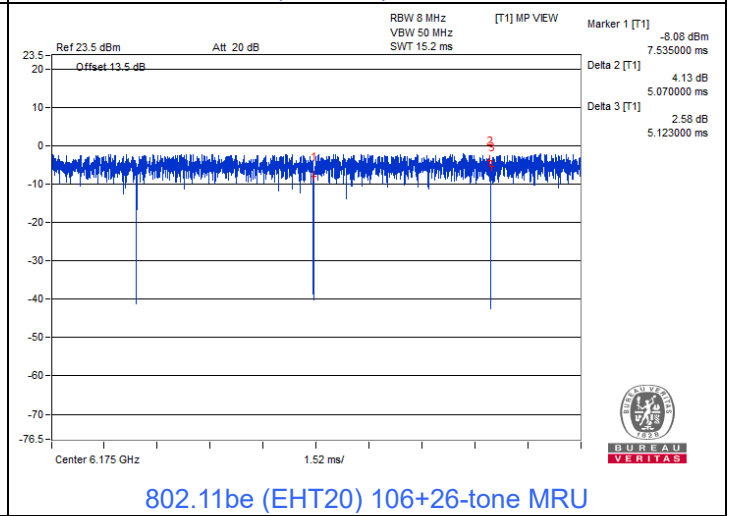
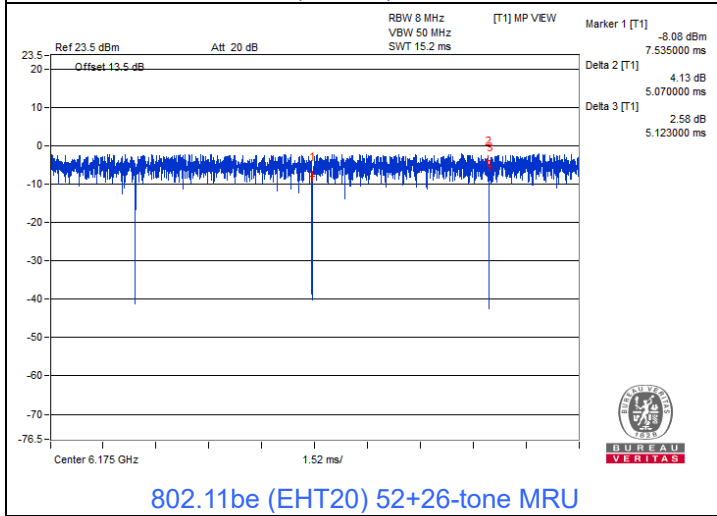
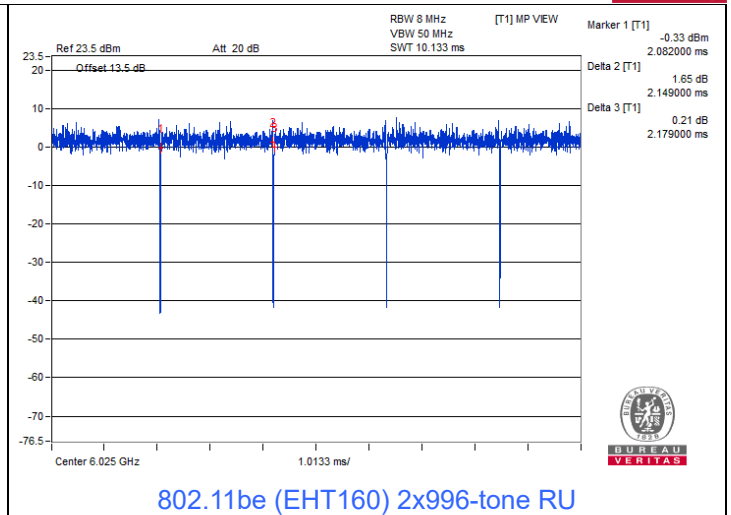
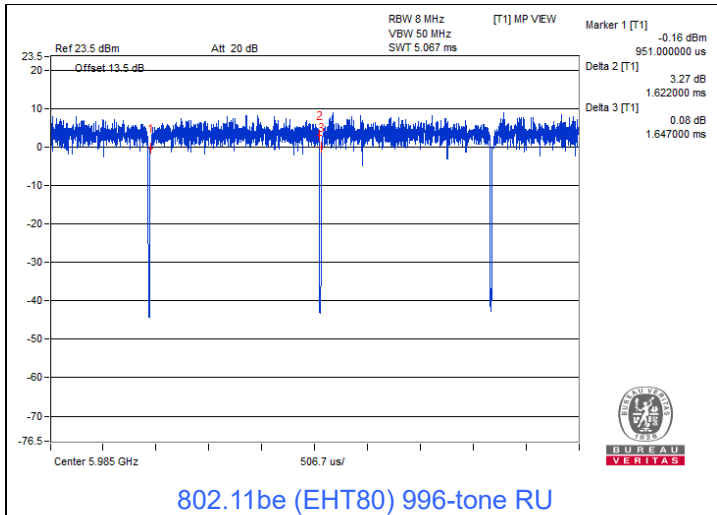


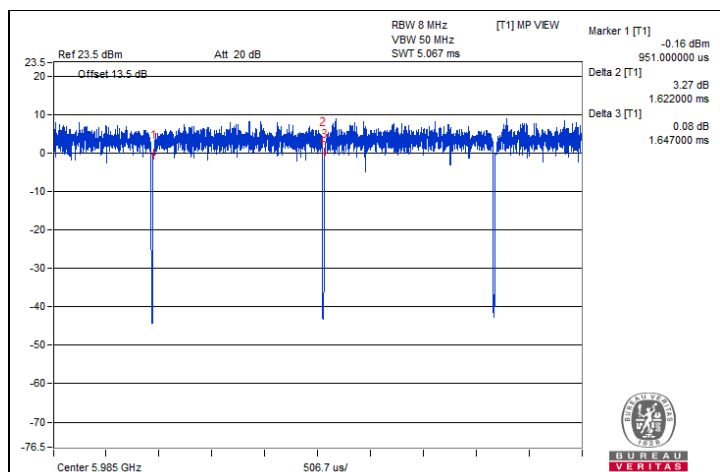
802.11be (EHT40)



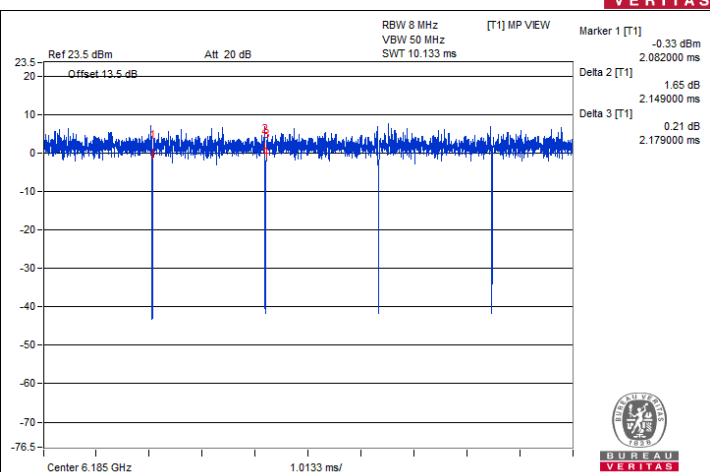
802.11be (EHT80)



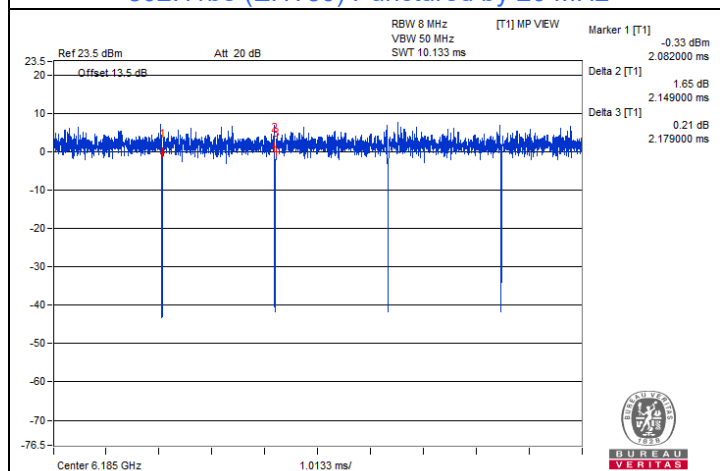




802.11be (EHT80) Punctured by 20 MHz



802.11be (EHT160) Punctured by 20 MHz



802.11be (EHT160) Punctured by 40 MHz

3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	Dell	E6430	N/A	N/A	Supplied by applicant
B	Test Tool	Qualcomm	N/A	N/A	N/A	Supplied by applicant
C	Adapter	Dell	LLA65NS2-01	N/A	N/A	Supplied by applicant
D	Test Tool	Qualcomm	N/A	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.8	NO	1	Supplied by applicant
2	AC Cable	1	1.5	NO	0	Supplied by applicant

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: 2025/8/13

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	2024/5/20	2025/5/19
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: 2025/5/6 ~ 2025/5/7

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: 2025/8/16

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-361	2024/10/8	2025/10/7
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	2025/2/8	2026/2/7
Loop Antenna TESEQ	HLA 6121	63620	2024/10/17	2025/10/16
MXE EMI Receiver Agilent	N9038A	MY50010156	2024/6/5	2025/6/4
Preamplifier EMCI	EMC330N	980852	2025/2/8	2026/2/7
	EMC001340	980142	2025/2/17	2026/2/16
RF Coaxial Cable PEWC	8D	001	2025/2/8	2026/2/7
		966-3-2	2025/2/8	2026/2/7
		966-3-3	2025/2/8	2026/2/7
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2025/5/6

4.4 Unwanted Emissions above 1 GHz

Mode A

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

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/8/16 ~ 2025/8/20

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-406	2024/11/10	2025/11/9
	BBHA 9170	9170-739	2024/11/10	2025/11/9
MXE EMI Receiver Agilent	N9038A	MY50010156	2024/6/5 2025/6/5	2025/6/4 2026/6/4
Preamplifier EMCI	EMC12630SE	980384	2025/1/14	2026/1/13
	EMC184045SE	980387	2024/8/8 2025/8/7	2025/8/7 2026/8/6
PXA Signal Analyzer Keysight	N9030B	MY57141948	2024/5/20 2025/5/20	2025/5/19 2026/5/19
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-1500	180504	2025/1/18	2026/1/17
	EMC104-SM-SM-2000	180601	2025/1/18	2026/1/17
	EMC104-SM-SM-6000	210201	2025/1/18	2026/1/17
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2025/5/5 ~ 2025/8/14

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)

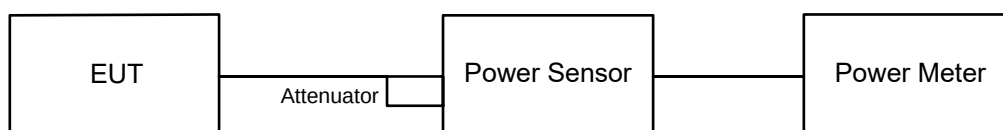
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 Maximum RF Output Power

6.1.1 Test Setup

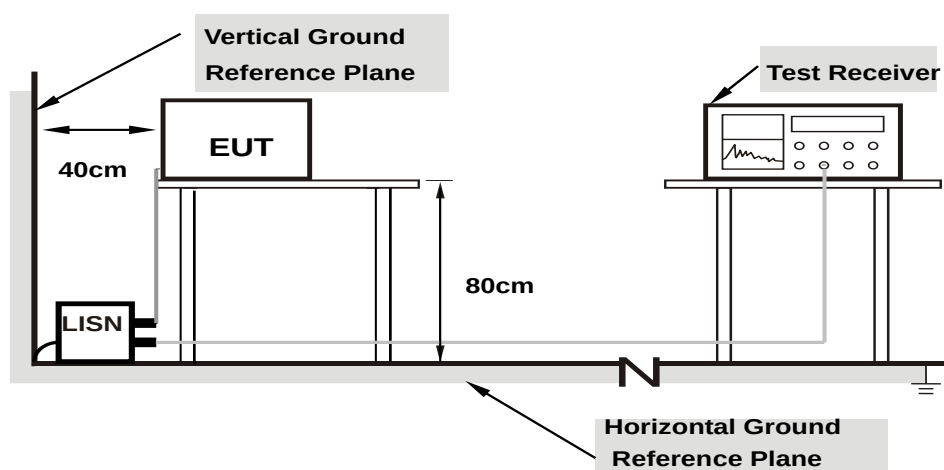


6.1.2 Test Procedure

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.

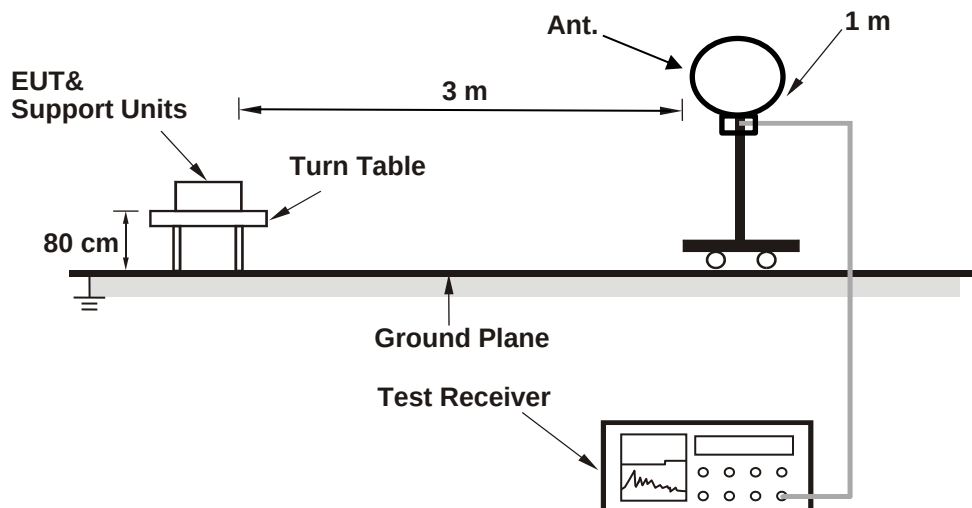
Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

6.3 Unwanted Emissions below 1 GHz

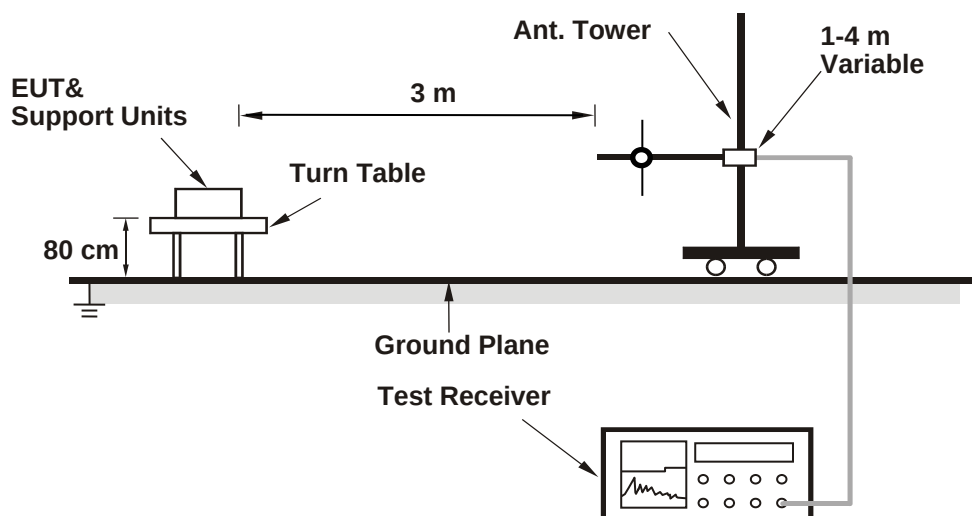
6.3.1 Test Setup

For Radiated Configuration:

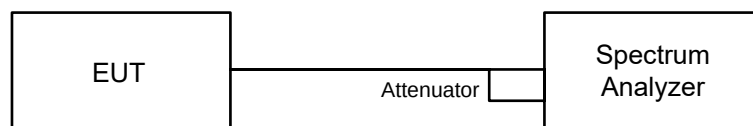
For Radiated emission below 30 MHz



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.

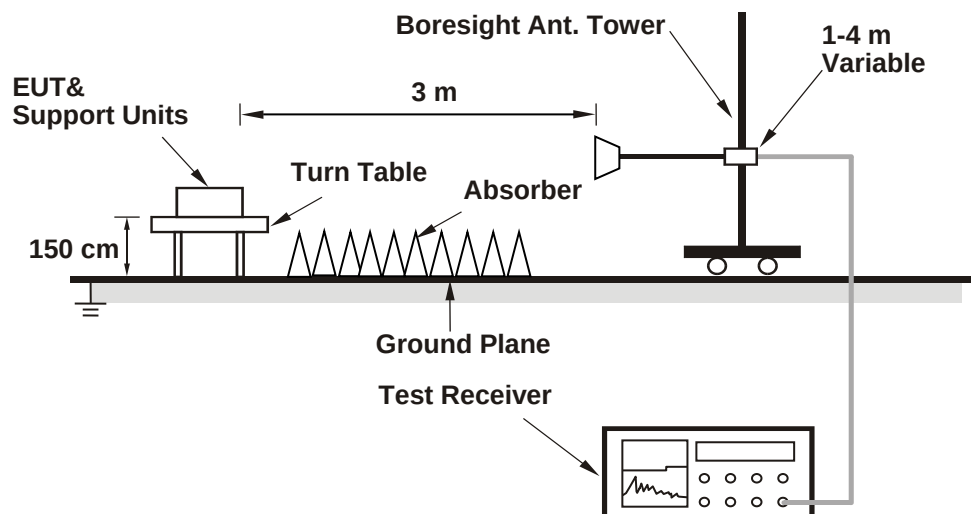
Notes:

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.

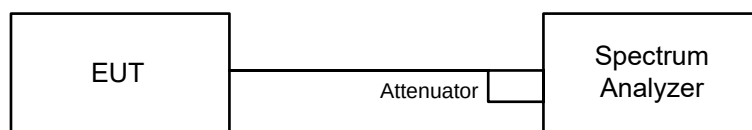
6.4 Unwanted Emissions above 1 GHz

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
<u>For Radiated measurement:</u> 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). <u>For Conducted measurement:</u> The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions). <u>For Verified radiated measurement:</u> 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	2.109	3.24	5.14	6.888	8.38	24	Pass
1	5955	4.519	6.55	5.14	14.759	11.69	24	Pass
45	6175	4.645	6.67	5.14	15.17	11.81	24	Pass
93	6415	4.426	6.46	5.14	14.455	11.6	24	Pass
97	6435	4.571	6.60	5.09	14.757	11.69	24	Pass
105	6475	4.477	6.51	5.09	14.454	11.6	24	Pass
113	6515	4.416	6.45	5.09	14.257	11.54	24	Pass
117	6535	4.188	6.22	5.16	13.741	11.38	24	Pass
149	6695	4.426	6.46	5.16	14.521	11.62	24	Pass
181	6855	4.365	6.40	5.16	14.321	11.56	24	Pass
185	6875	4.315	6.35	5.16	14.157	11.51	24	Pass
209	6995	4.656	6.68	5.12	15.136	11.8	24	Pass
233	7115	2.138	3.30	5.12	6.95	8.42	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	0.2388	-6.22	5.14	0.7799	-1.08	24	Pass
1	5955	5.129	7.10	5.14	16.751	12.24	24	Pass
45	6175	5.07	7.05	5.14	16.558	12.19	24	Pass
93	6415	4.898	6.90	5.14	15.996	12.04	24	Pass
97	6435	5	6.99	5.09	16.142	12.08	24	Pass
105	6475	4.966	6.96	5.09	16.033	12.05	24	Pass
113	6515	4.875	6.88	5.09	15.739	11.97	24	Pass
117	6535	4.898	6.90	5.16	16.07	12.06	24	Pass
149	6695	5.129	7.10	5.16	16.828	12.26	24	Pass
181	6855	4.92	6.92	5.16	16.142	12.08	24	Pass
185	6875	4.966	6.96	5.16	16.293	12.12	24	Pass
209	6995	5.383	7.31	5.12	17.499	12.43	24	Pass
233	7115	0.195	-7.10	5.12	0.6339	-1.98	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	7.278	8.62	5.14	23.769	13.76	24	Pass
43	6165	7.112	8.52	5.14	23.227	13.66	24	Pass
91	6405	6.546	8.16	5.14	21.378	13.3	24	Pass
99	6445	7.015	8.46	5.09	22.648	13.55	24	Pass
107	6485	6.918	8.40	5.09	22.335	13.49	24	Pass
115	6525	6.855	8.36	5.16	22.491	13.52	24	Pass
123	6565	6.808	8.33	5.16	22.337	13.49	24	Pass
155	6725	6.839	8.35	5.16	22.438	13.51	24	Pass
179	6845	7.047	8.48	5.16	23.121	13.64	24	Pass
187	6885	6.457	8.10	5.12	20.991	13.22	24	Pass
211	7005	6.761	8.30	5.12	21.979	13.42	24	Pass
227	7085	6.776	8.31	5.12	22.028	13.43	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	10.544	10.23	5.14	34.435	15.37	24	Pass
39	6145	10.233	10.10	5.14	33.42	15.24	24	Pass
87	6385	9.886	9.95	5.14	32.286	15.09	24	Pass
103	6465	12.388	10.93	5.09	39.995	16.02	24	Pass
119	6545	11.35	10.55	5.16	37.239	15.71	24	Pass
151	6705	11.324	10.54	5.16	37.154	15.7	24	Pass
183	6865	11.376	10.56	5.16	37.324	15.72	24	Pass
199	6945	12.023	10.80	5.12	39.085	15.92	24	Pass
215	7025	11.482	10.60	5.12	37.327	15.72	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	27.797	14.44	5.14	90.782	19.58	24	Pass
47	6185	27.542	14.40	5.14	89.949	19.54	24	Pass
79	6345	25.293	14.03	5.14	82.604	19.17	24	Pass
111	6505	25.119	14.00	5.09	81.097	19.09	24	Pass
143	6665	24.547	13.90	5.16	80.538	19.06	24	Pass
175	6825	25.003	13.98	5.16	82.034	19.14	24	Pass
207	6985	25.235	14.02	5.12	82.036	19.14	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	-1.10	-2.85	1.295	1.12	5.14	4.229	6.26	24	Pass
1	5955	-1.20	-2.72	1.2931	1.12	5.14	4.223	6.26	24	Pass
45	6175	-1.55	-2.86	1.2174	0.85	5.14	3.976	5.99	24	Pass
93	6415	-1.70	-3.40	1.1332	0.54	5.14	3.701	5.68	24	Pass
97	6435	-0.73	-2.51	1.4063	1.48	5.09	4.54	6.57	24	Pass
105	6475	-1.00	-2.26	1.3886	1.43	5.09	4.483	6.52	24	Pass
113	6515	-1.15	-2.72	1.3019	1.15	5.09	4.203	6.24	24	Pass
117	6535	-0.96	-2.10	1.4183	1.52	5.16	4.653	6.68	24	Pass
149	6695	-1.50	-1.60	1.3998	1.46	5.16	4.593	6.62	24	Pass
181	6855	-1.42	-2.30	1.31	1.17	5.16	4.298	6.33	24	Pass
185	6875	-1.70	-2.59	1.2269	0.89	5.16	4.025	6.05	24	Pass
209	6995	-1.31	-2.66	1.2816	1.08	5.12	4.166	6.2	24	Pass
233	7115	-1.77	-3.12	1.1528	0.62	5.12	3.748	5.74	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	-11.70	-13.66	0.11066	-9.56	5.14	0.3614	-4.42	24	Pass
1	5955	-0.32	-1.77	1.5942	2.03	5.14	5.206	7.17	24	Pass
45	6175	-0.79	-2.16	1.4418	1.59	5.14	4.709	6.73	24	Pass
93	6415	-0.95	-2.72	1.3381	1.26	5.14	4.37	6.4	24	Pass
97	6435	-0.50	-2.20	1.4938	1.74	5.09	4.823	6.83	24	Pass
105	6475	-0.70	-2.20	1.4537	1.62	5.09	4.693	6.71	24	Pass
113	6515	-0.82	-2.50	1.3903	1.43	5.09	4.489	6.52	24	Pass
117	6535	-1.20	-2.30	1.3474	1.29	5.16	4.421	6.45	24	Pass
149	6695	-1.24	-1.90	1.3973	1.45	5.16	4.584	6.61	24	Pass
181	6855	-1.10	-1.96	1.413	1.50	5.16	4.636	6.66	24	Pass
185	6875	-1.10	-2.10	1.3928	1.44	5.16	4.57	6.6	24	Pass
209	6995	-0.85	-2.30	1.4111	1.50	5.12	4.587	6.62	24	Pass
233	7115	-11.49	-12.90	0.12224	-9.13	5.12	0.3974	-4.01	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	2.72	-1.36	2.6018	4.15	5.14	8.497	9.29	24	Pass
43	6165	2.70	-1.29	2.6051	4.16	5.14	8.508	9.3	24	Pass
91	6405	2.50	-1.60	2.4701	3.93	5.14	8.067	9.07	24	Pass
99	6445	2.80	2.92	3.864	5.87	5.09	12.475	10.96	24	Pass
107	6485	2.76	2.99	3.879	5.89	5.09	12.523	10.98	24	Pass
115	6525	2.80	2.86	3.837	5.84	5.16	12.589	11	24	Pass
123	6565	2.84	2.97	3.905	5.92	5.16	12.812	11.08	24	Pass
155	6725	2.86	3.00	3.927	5.94	5.16	12.884	11.1	24	Pass
179	6845	2.73	-1.30	2.6163	4.18	5.16	8.584	9.34	24	Pass
187	6885	2.81	-1.30	2.6512	4.23	5.12	8.619	9.35	24	Pass
211	7005	2.72	-2.40	2.4461	3.88	5.12	7.952	9	24	Pass
227	7085	3.01	2.38	3.73	5.72	5.12	12.126	10.84	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.

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	4.44	4.20	5.41	7.33	5.14	17.668	12.47	24	Pass
39	6145	4.26	3.97	5.161	7.13	5.14	16.855	12.27	24	Pass
87	6385	4.52	4.46	5.624	7.50	5.14	18.367	12.64	24	Pass
103	6465	5.03	5.14	6.45	8.10	5.09	20.824	13.19	24	Pass
119	6545	5.20	4.38	6.053	7.82	5.16	19.86	12.98	24	Pass
151	6705	4.70	4.76	5.943	7.74	5.16	19.499	12.9	24	Pass
183	6865	4.22	4.10	5.213	7.17	5.16	17.104	12.33	24	Pass
199	6945	4.55	3.95	5.334	7.27	5.12	17.34	12.39	24	Pass
215	7025	4.40	4.20	5.384	7.31	5.12	17.503	12.43	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 (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	8.28	8.20	13.337	11.25	5.14	43.557	16.39	24	Pass
47	6185	8.47	8.10	13.487	11.30	5.14	44.047	16.44	24	Pass
79	6345	7.91	7.89	12.332	10.91	5.14	40.275	16.05	24	Pass
111	6505	8.30	8.15	13.292	11.24	5.09	42.913	16.33	24	Pass
143	6665	8.23	8.11	13.124	11.18	5.16	43.059	16.34	24	Pass
175	6825	8.44	8.05	13.365	11.26	5.16	43.85	16.42	24	Pass
207	6985	8.40	8.00	13.228	11.21	5.12	43.003	16.33	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 (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	-19.59	-20.23	0.020474	-16.89	5.14	0.06687	-11.75	24	Pass
1	5955	-9.73	-9.96	0.2073	-6.83	5.14	0.677	-1.69	24	Pass
45	6175	-9.99	-10.38	0.19185	-7.17	5.14	0.6266	-2.03	24	Pass
93	6415	-9.98	-10.68	0.18597	-7.31	5.14	0.6074	-2.17	24	Pass
97	6435	-10.12	-10.50	0.1864	-7.30	5.09	0.6018	-2.21	24	Pass
105	6475	-9.95	-10.28	0.19491	-7.10	5.09	0.6293	-2.01	24	Pass
113	6515	-9.75	-10.02	0.20547	-6.87	5.09	0.6634	-1.78	24	Pass
117	6535	-9.79	-10.16	0.20134	-6.96	5.16	0.6606	-1.8	24	Pass
149	6695	-9.57	-9.83	0.2144	-6.69	5.16	0.7034	-1.53	24	Pass
181	6855	-10.01	-10.27	0.19374	-7.13	5.16	0.6357	-1.97	24	Pass
185	6875	-9.75	-10.45	0.19608	-7.08	5.16	0.6433	-1.92	24	Pass
209	6995	-9.73	-10.12	0.20369	-6.91	5.12	0.6622	-1.79	24	Pass
233	7115	-18.92	-19.07	0.02521	-15.98	5.12	0.08195	-10.86	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	-17.26	-18.16	0.03407	-14.68	5.14	0.1113	-9.54	24	Pass
1	5955	-6.41	-7.31	0.4143	-3.83	5.14	1.353	1.31	24	Pass
45	6175	-7.08	-8.01	0.354	-4.51	5.14	1.156	0.63	24	Pass
93	6415	-6.88	-7.59	0.3793	-4.21	5.14	1.239	0.93	24	Pass
97	6435	-7.03	-8.17	0.3506	-4.55	5.09	1.132	0.54	24	Pass
105	6475	-6.92	-7.99	0.3621	-4.41	5.09	1.169	0.68	24	Pass
113	6515	-6.55	-7.59	0.3955	-4.03	5.09	1.277	1.06	24	Pass
117	6535	-6.93	-7.75	0.3706	-4.31	5.16	1.216	0.85	24	Pass
149	6695	-6.81	-7.99	0.3673	-4.35	5.16	1.205	0.81	24	Pass
181	6855	-6.98	-8.06	0.3568	-4.48	5.16	1.171	0.68	24	Pass
185	6875	-7.04	-8.06	0.354	-4.51	5.16	1.161	0.65	24	Pass
209	6995	-7.11	-7.67	0.3655	-4.37	5.12	1.188	0.75	24	Pass
233	7115	-17.18	-17.44	0.03717	-14.30	5.12	0.1208	-9.18	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	-15.26	-16.23	0.05361	-12.71	5.14	0.1751	-7.57	24	Pass
1	5955	-3.49	-4.15	0.8323	-0.80	5.14	2.718	4.34	24	Pass
45	6175	-3.80	-4.38	0.7816	-1.07	5.14	2.553	4.07	24	Pass
93	6415	-3.90	-4.70	0.7462	-1.27	5.14	2.437	3.87	24	Pass
97	6435	-3.80	-4.30	0.7884	-1.03	5.09	2.545	4.06	24	Pass
105	6475	-3.04	-4.48	0.853	-0.69	5.09	2.754	4.4	24	Pass
113	6515	-3.27	-4.68	0.8114	-0.91	5.09	2.62	4.18	24	Pass
117	6535	-3.06	-4.35	0.8616	-0.65	5.16	2.827	4.51	24	Pass
149	6695	-3.56	-4.01	0.8377	-0.77	5.16	2.748	4.39	24	Pass
181	6855	-3.58	-4.49	0.7942	-1.00	5.16	2.606	4.16	24	Pass
185	6875	-3.67	-4.14	0.815	-0.89	5.16	2.674	4.27	24	Pass
209	6995	-3.86	-4.77	0.7446	-1.28	5.12	2.421	3.84	24	Pass
233	7115	-14.83	-15.07	0.064	-11.94	5.12	0.2081	-6.82	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) 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	-0.22	-1.16	1.7162	2.35	5.14	5.605	7.49	24	Pass
1	5955	-0.11	-1.16	1.7406	2.41	5.14	5.685	7.55	24	Pass
45	6175	-1.16	-0.88	1.5822	1.99	5.14	5.167	7.13	24	Pass
93	6415	-0.85	-1.45	1.5384	1.87	5.14	5.024	7.01	24	Pass
97	6435	-0.47	-1.05	1.6827	2.26	5.09	5.433	7.35	24	Pass
105	6475	-0.43	-0.91	1.7167	2.35	5.09	5.542	7.44	24	Pass
113	6515	-0.22	-0.79	1.7843	2.51	5.09	5.761	7.6	24	Pass
117	6535	-0.44	-0.61	1.7726	2.49	5.16	5.816	7.65	24	Pass
149	6695	-0.44	-0.29	1.8391	2.65	5.16	6.034	7.81	24	Pass
181	6855	-0.88	-0.39	1.7307	2.38	5.16	5.678	7.54	24	Pass
185	6875	-0.84	-0.66	1.6832	2.26	5.16	5.522	7.42	24	Pass
209	6995	-0.65	-0.28	1.7986	2.55	5.12	5.847	7.67	24	Pass
233	7115	-0.95	-0.21	1.7563	2.45	5.12	5.71	7.57	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 (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	2.95	3.04	3.986	6.01	5.14	13.018	11.15	24	Pass
43	6165	2.53	3.05	3.809	5.81	5.14	12.44	10.95	24	Pass
91	6405	2.12	2.94	3.597	5.56	5.14	11.747	10.7	24	Pass
99	6445	2.75	3.50	4.122	6.15	5.09	13.308	11.24	24	Pass
107	6485	2.71	3.56	4.136	6.17	5.09	13.353	11.26	24	Pass
115	6525	2.57	2.99	3.798	5.80	5.16	12.461	10.96	24	Pass
123	6565	2.33	3.18	3.79	5.79	5.16	12.435	10.95	24	Pass
155	6725	2.14	3.34	3.795	5.79	5.16	12.451	10.95	24	Pass
179	6845	2.28	3.00	3.686	5.67	5.16	12.094	10.83	24	Pass
187	6885	1.79	2.61	3.334	5.23	5.12	10.838	10.35	24	Pass
211	7005	2.00	2.87	3.521	5.47	5.12	11.446	10.59	24	Pass
227	7085	1.96	2.93	3.534	5.48	5.12	11.489	10.6	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	6.16	6.44	8.536	9.31	5.14	27.878	14.45	24	Pass
39	6145	4.94	5.38	6.57	8.18	5.14	21.457	13.32	24	Pass
87	6385	4.59	5.84	6.714	8.27	5.14	21.927	13.41	24	Pass
103	6465	4.68	5.96	6.882	8.38	5.09	22.218	13.47	24	Pass
119	6545	5.40	5.93	7.385	8.68	5.16	24.23	13.84	24	Pass
151	6705	4.64	6.18	7.06	8.49	5.16	23.164	13.65	24	Pass
183	6865	4.86	5.77	6.838	8.35	5.16	22.435	13.51	24	Pass
199	6945	5.46	5.88	7.388	8.69	5.12	24.017	13.81	24	Pass
215	7025	5.15	5.81	7.084	8.50	5.12	23.029	13.62	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	6.82	7.22	10.081	10.04	5.14	32.923	15.18	24	Pass
47	6185	6.94	7.10	10.072	10.03	5.14	32.894	15.17	24	Pass
79	6345	6.66	6.68	9.29	9.68	5.14	30.34	14.82	24	Pass
111	6505	6.82	7.34	10.228	10.10	5.09	33.021	15.19	24	Pass
143	6665	6.63	7.00	9.614	9.83	5.16	31.543	14.99	24	Pass
175	6825	6.53	7.11	9.638	9.84	5.16	31.622	15	24	Pass
207	6985	6.72	7.52	10.348	10.15	5.12	33.64	15.27	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							
45	6175	-6.33	-5.82	0.4946	-3.06	5.14	1.615	2.08	24	Pass
105	6475	-6.53	-6.00	0.4735	-3.25	5.09	1.529	1.84	24	Pass
185	6875	-6.31	-6.59	0.4532	-3.44	5.16	1.487	1.72	24	Pass
209	6995	-6.21	-6.18	0.4803	-3.18	5.12	1.561	1.94	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							
45	6175	-4.16	-3.05	0.8792	-0.56	5.14	2.871	4.58	24	Pass
105	6475	-3.36	-3.00	0.9625	-0.17	5.09	3.107	4.92	24	Pass
185	6875	-3.94	-2.84	0.9236	-0.35	5.16	3.03	4.81	24	Pass
209	6995	-3.64	-3.15	0.9167	-0.38	5.12	2.98	4.74	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	3.62	4.19	4.926	6.92	5.14	16.088	12.06	24	Pass
103	6465	2.45	3.66	4.081	6.11	5.09	13.175	11.2	24	Pass
119	6545	3.00	3.68	4.329	6.36	5.16	14.203	11.52	24	Pass
199	6945	2.54	3.31	3.938	5.95	5.12	12.802	11.07	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							
47	6185	5.96	6.60	8.515	9.30	5.14	27.809	14.44	24	Pass
111	6505	6.12	7.42	9.613	9.83	5.09	31.036	14.92	24	Pass
143	6665	5.72	7.21	8.993	9.54	5.16	29.506	14.7	24	Pass
207	6985	6.60	6.96	9.537	9.79	5.12	31.004	14.91	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 (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	3.60	4.18	4.909	6.91	5.14	16.032	12.05	24	Pass
103	6465	3.61	4.25	4.957	6.95	5.09	16.004	12.04	24	Pass
119	6545	3.01	4.42	4.767	6.78	5.16	15.64	11.94	24	Pass
199	6945	3.18	3.50	4.318	6.35	5.12	14.037	11.47	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							
47	6185	6.12	7.48	9.69	9.86	5.14	31.646	15	24	Pass
111	6505	6.60	7.42	10.092	10.04	5.09	32.582	15.13	24	Pass
143	6665	6.62	7.50	10.215	10.09	5.16	33.515	15.25	24	Pass
207	6985	6.30	7.38	9.736	9.88	5.12	31.65	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 (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							
47	6185	6.60	7.72	10.486	10.21	5.14	34.246	15.35	24	Pass
111	6505	6.73	7.55	10.398	10.17	5.09	33.57	15.26	24	Pass
143	6665	6.60	7.20	9.819	9.92	5.16	32.216	15.08	24	Pass
207	6985	6.80	7.62	10.567	10.24	5.12	34.352	15.36	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	-1.29	-3.36	1.2043	0.81	5.14	3.933	5.95	30	Pass
1	5955	14.26	13.86	50.991	17.07	5.14	166.53	22.21	30	Pass
45	6175	14.30	13.75	50.629	17.04	5.14	165.348	22.18	30	Pass
93	6415	14.16	13.95	50.893	17.07	5.14	166.21	22.21	30	Pass
117	6535	14.05	13.98	50.413	17.03	5.16	165.403	22.19	30	Pass
149	6695	14.10	13.95	50.535	17.04	5.16	165.803	22.2	30	Pass
181	6855	14.15	13.84	50.212	17.01	5.16	164.743	22.17	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 (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	-11.70	-13.59	0.11136	-9.53	5.14	0.3637	-4.39	30	Pass
1	5955	14.90	14.60	59.743	17.76	5.14	195.113	22.9	30	Pass
45	6175	15.00	14.60	60.463	17.81	5.14	197.465	22.95	30	Pass
93	6415	14.60	14.41	56.446	17.52	5.14	184.346	22.66	30	Pass
117	6535	14.81	14.69	59.713	17.76	5.16	195.916	22.92	30	Pass
149	6695	14.75	14.71	59.434	17.74	5.16	195	22.9	30	Pass
181	6855	14.80	14.44	57.997	17.63	5.16	190.285	22.79	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	14.70	14.36	56.802	17.54	5.14	185.508	22.68	30	Pass
43	6165	14.60	14.12	54.663	17.38	5.14	178.523	22.52	30	Pass
91	6405	14.01	14.00	50.296	17.02	5.14	164.261	22.16	30	Pass
123	6565	14.69	14.59	58.218	17.65	5.16	191.011	22.81	30	Pass
155	6725	14.72	14.62	58.622	17.68	5.16	192.336	22.84	30	Pass
179	6845	14.41	13.94	52.38	17.19	5.16	171.856	22.35	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	13.77	13.50	46.21	16.65	5.14	150.916	21.79	30	Pass
39	6145	13.90	13.70	47.989	16.81	5.14	156.726	21.95	30	Pass
87	6385	13.23	13.12	41.549	16.19	5.14	135.694	21.33	30	Pass
135	6625	13.80	13.52	46.479	16.67	5.16	152.495	21.83	30	Pass
151	6705	13.85	13.83	48.421	16.85	5.16	158.867	22.01	30	Pass
167	6785	13.90	13.80	48.535	16.86	5.16	159.241	22.02	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	14.47	14.06	53.458	17.28	5.14	174.587	22.42	30	Pass
47	6185	14.32	13.90	51.587	17.13	5.14	168.477	22.27	30	Pass
79	6345	14.00	13.99	50.18	17.01	5.14	163.882	22.15	30	Pass
143	6665	14.10	14.08	51.29	17.10	5.16	168.28	22.26	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 (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	-20.08	-20.52	0.018689	-17.28	5.14	0.06104	-12.14	30	Pass
1	5955	7.44	8.15	12.078	10.82	5.14	39.445	15.96	30	Pass
45	6175	7.32	8.22	12.033	10.80	5.14	39.298	15.94	30	Pass
93	6415	7.70	8.10	12.345	10.91	5.14	40.317	16.05	30	Pass
117	6535	7.76	7.25	11.279	10.52	5.16	37.006	15.68	30	Pass
149	6695	7.68	7.35	11.294	10.53	5.16	37.055	15.69	30	Pass
181	6855	7.12	7.61	10.92	10.38	5.16	35.828	15.54	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 (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	-17.38	-18.18	0.03349	-14.75	5.14	0.1094	-9.61	30	Pass
1	5955	10.22	11.29	23.978	13.80	5.14	78.309	18.94	30	Pass
45	6175	10.38	11.14	23.916	13.79	5.14	78.107	18.93	30	Pass
93	6415	10.25	10.42	21.608	13.35	5.14	70.569	18.49	30	Pass
117	6535	11.10	10.68	24.577	13.91	5.16	80.636	19.07	30	Pass
149	6695	11.03	10.71	24.453	13.88	5.16	80.229	19.04	30	Pass
181	6855	10.15	9.92	20.169	13.05	5.16	66.174	18.21	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	-15.65	-16.34	0.05045	-12.97	5.14	0.1648	-7.83	30	Pass
1	5955	12.86	13.97	44.266	16.46	5.14	144.567	21.6	30	Pass
45	6175	13.00	13.76	43.721	16.41	5.14	142.787	21.55	30	Pass
93	6415	13.42	13.90	46.526	16.68	5.14	151.948	21.82	30	Pass
117	6535	14.22	14.00	51.543	17.12	5.16	169.11	22.28	30	Pass
149	6695	14.16	13.45	48.192	16.83	5.16	158.116	21.99	30	Pass
181	6855	13.98	13.94	49.778	16.97	5.16	163.319	22.13	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							
1	5955	14.33	15.07	59.239	17.73	5.14	193.467	22.87	30	Pass
117	6535	13.89	14.82	54.83	17.39	5.16	179.895	22.55	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	14.38	14.56	55.992	17.48	5.14	182.863	22.62	30	Pass
123	6565	14.33	15.01	58.798	17.69	5.16	192.913	22.85	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	14.22	14.50	54.608	17.37	5.14	178.343	22.51	30	Pass
135	6625	13.86	14.50	52.506	17.20	5.16	172.27	22.36	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	13.33	14.15	47.529	16.77	5.14	155.224	21.91	30	Pass
143	6665	13.86	14.86	54.942	17.40	5.16	180.262	22.56	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	11.86	12.65	33.754	15.28	5.14	110.236	20.42	30	Pass
117	6535	11.32	12.08	29.695	14.73	5.16	97.428	19.89	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	14.25	14.89	57.439	17.59	5.14	187.589	22.73	30	Pass
117	6535	14.40	15.05	59.531	17.75	5.16	195.318	22.91	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	14.26	15.01	58.364	17.66	5.14	190.61	22.8	30	Pass
135	6625	14.36	15.07	59.426	17.74	5.16	194.974	22.9	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	14.14	15.27	59.593	17.75	5.14	194.623	22.89	30	Pass
143	6665	14.10	14.99	57.254	17.58	5.16	187.848	22.74	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	14.31	15.11	59.411	17.74	5.14	194.029	22.88	30	Pass
135	6625	14.40	14.93	58.659	17.68	5.16	192.457	22.84	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	14.39	14.81	57.748	17.62	5.14	188.598	22.76	30	Pass
143	6665	14.30	14.93	58.033	17.64	5.16	190.404	22.8	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 (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	14.41	15.08	59.816	17.77	5.14	195.352	22.91	30	Pass
143	6665	14.22	15.10	58.783	17.69	5.16	192.864	22.85	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 low-power indoor AP

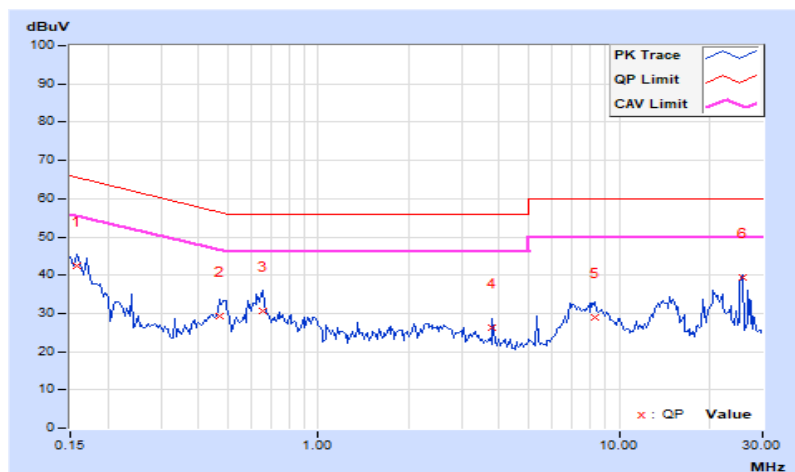
1Tx

RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 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, 63% RH
Tested By	Louis Yang		

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	0.15781	9.96	32.39	20.54	42.35	30.50	65.58	55.58	-23.23	-25.08
2	0.47031	9.99	19.30	11.97	29.29	21.96	56.51	46.51	-27.22	-24.55
3	0.65781	10.01	20.53	10.05	30.54	20.06	56.00	46.00	-25.46	-25.94
4	3.80469	10.17	16.20	15.42	26.37	25.59	56.00	46.00	-29.63	-20.41
5	8.34766	10.38	18.46	11.99	28.84	22.37	60.00	50.00	-31.16	-27.63
6	25.87500	11.04	28.40	25.44	39.44	36.48	60.00	50.00	-20.56	-13.52

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

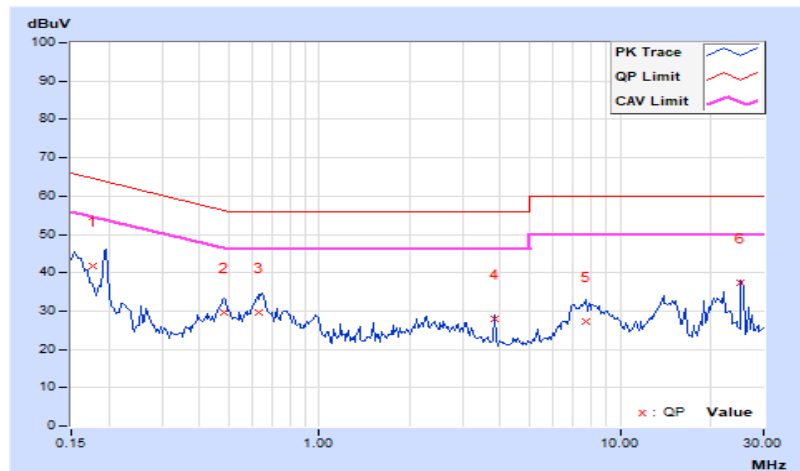


RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	26 °C, 69% RH
Tested By	Louis Yang		

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	0.17725	10.01	31.74	11.23	41.75	21.24	64.61	54.61	-22.86	-33.37
2	0.48203	10.01	19.63	10.05	29.64	20.06	56.30	46.30	-26.66	-26.24
3	0.62656	10.02	19.58	9.00	29.60	19.02	56.00	46.00	-26.40	-26.98
4	3.80859	10.16	17.78	17.30	27.94	27.46	56.00	46.00	-28.06	-18.54
5	7.66016	10.32	16.81	11.86	27.13	22.18	60.00	50.00	-32.87	-27.82
6	25.12109	10.84	26.40	25.62	37.24	36.46	60.00	50.00	-22.76	-13.54

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



under the control of a standard-power AP

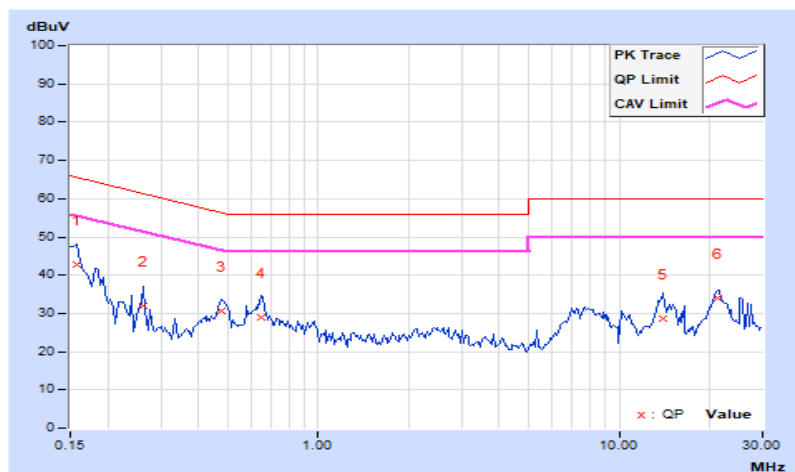
2Tx

RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 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, 63% RH
Tested By	Louis Yang		

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	0.15781	9.96	32.71	20.59	42.67	30.55	65.58	55.58	-22.91	-25.03
2	0.26328	9.99	22.00	3.22	31.99	13.21	61.33	51.33	-29.34	-38.12
3	0.47422	9.99	20.56	10.52	30.55	20.51	56.44	46.44	-25.89	-25.93
4	0.64609	10.01	19.04	7.70	29.05	17.71	56.00	46.00	-26.95	-28.29
5	14.06250	10.65	17.94	12.50	28.59	23.15	60.00	50.00	-31.41	-26.85
6	21.33203	10.94	23.05	17.32	33.99	28.26	60.00	50.00	-26.01	-21.74

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

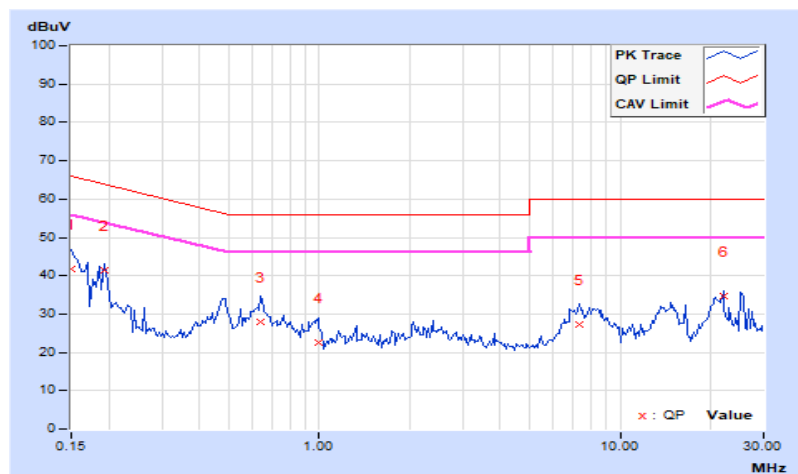


RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 63% RH
Tested By	Louis Yang		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.01	31.75	18.28	41.76	28.29	66.00	56.00	-24.24	-27.71
2	0.19297	10.02	31.46	12.27	41.48	22.29	63.91	53.91	-22.43	-31.62
3	0.63828	10.02	17.84	7.40	27.86	17.42	56.00	46.00	-28.14	-28.58
4	0.98984	10.05	12.47	4.49	22.52	14.54	56.00	46.00	-33.48	-31.46
5	7.36719	10.30	16.85	11.09	27.15	21.39	60.00	50.00	-32.85	-28.61
6	22.10156	10.81	23.82	18.07	34.63	28.88	60.00	50.00	-25.37	-21.12

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 control of low power indoor AP

Mode A

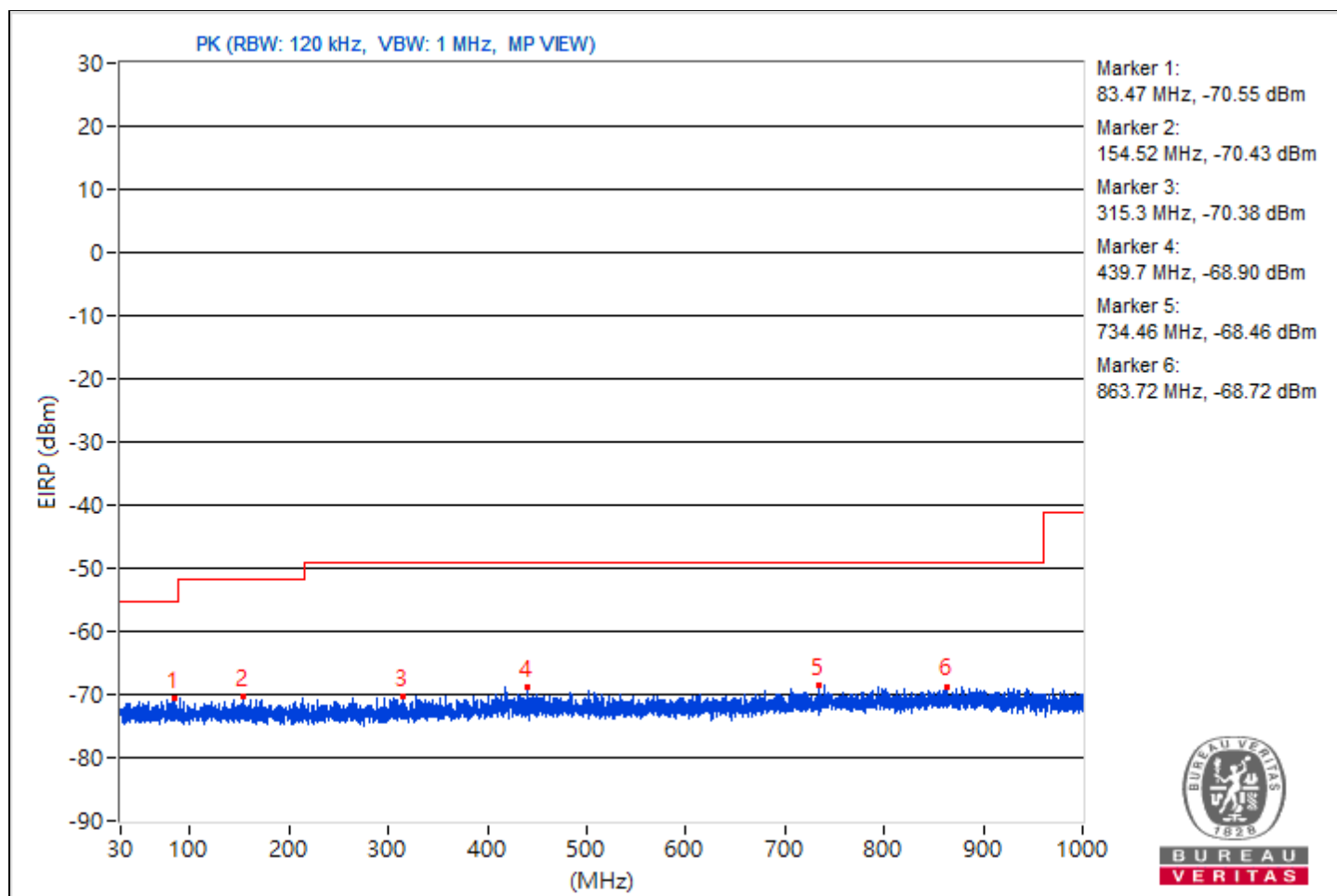
1Tx

RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 MHz
Frequency Range	30 MHz ~ 1 GHz	Environmental Conditions	26°C, 66% 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	83.47	24.71 PK	40	-15.29	-80.41	9.86	-70.55
2	154.52	24.83 PK	43.5	-18.67	-80.29	9.86	-70.43
3	315.3	24.88 PK	46	-21.12	-80.24	9.86	-70.38
4	439.7	26.36 PK	46	-19.64	-78.76	9.86	-68.9
5	734.46	26.8 PK	46	-19.2	-78.32	9.86	-68.46
6	863.72	26.54 PK	46	-19.46	-78.58	9.86	-68.72

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

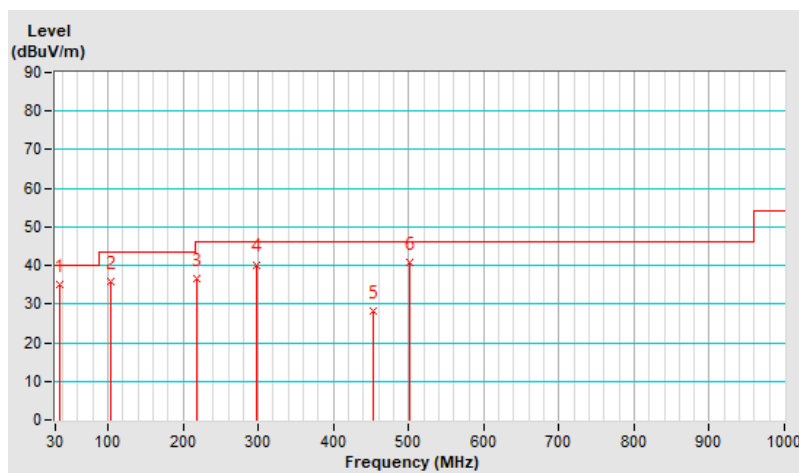
1Tx

RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 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	24 °C, 72% RH
Tested By	Louis Yang		

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	36.50	35.1 QP	40.0	-4.9	1.95 H	292	48.2	-13.1
2	104.60	35.8 QP	43.5	-7.7	2.08 H	318	51.7	-15.9
3	217.30	36.5 QP	46.0	-9.5	1.71 H	147	52.6	-16.1
4	296.80	40.2 QP	46.0	-5.8	1.43 H	149	52.3	-12.1
5	452.10	28.2 QP	46.0	-17.8	3.12 H	360	36.1	-7.9
6	501.00	40.8 QP	46.0	-5.2	1.61 H	157	47.8	-7.0

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 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.

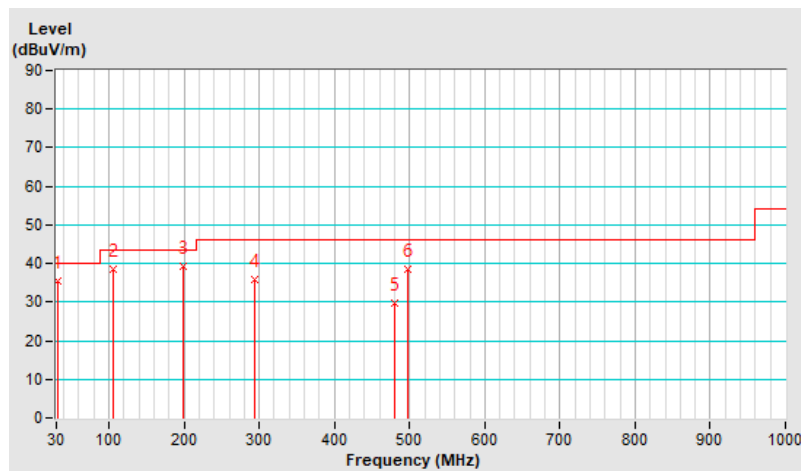


RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	24 °C, 72% RH
Tested By	Louis Yang		

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	32.10	35.6 QP	40.0	-4.4	2.93 V	278	48.9	-13.3
2	104.80	38.4 QP	43.5	-5.1	2.11 V	348	54.3	-15.9
3	199.60	39.1 QP	43.5	-4.4	1.61 V	157	54.9	-15.8
4	293.20	35.7 QP	46.0	-10.3	1.00 V	191	47.9	-12.2
5	480.30	29.8 QP	46.0	-16.2	2.10 V	187	37.1	-7.3
6	497.60	38.5 QP	46.0	-7.5	1.61 V	268	45.5	-7.0

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 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.



under control of standard power AP

Mode A

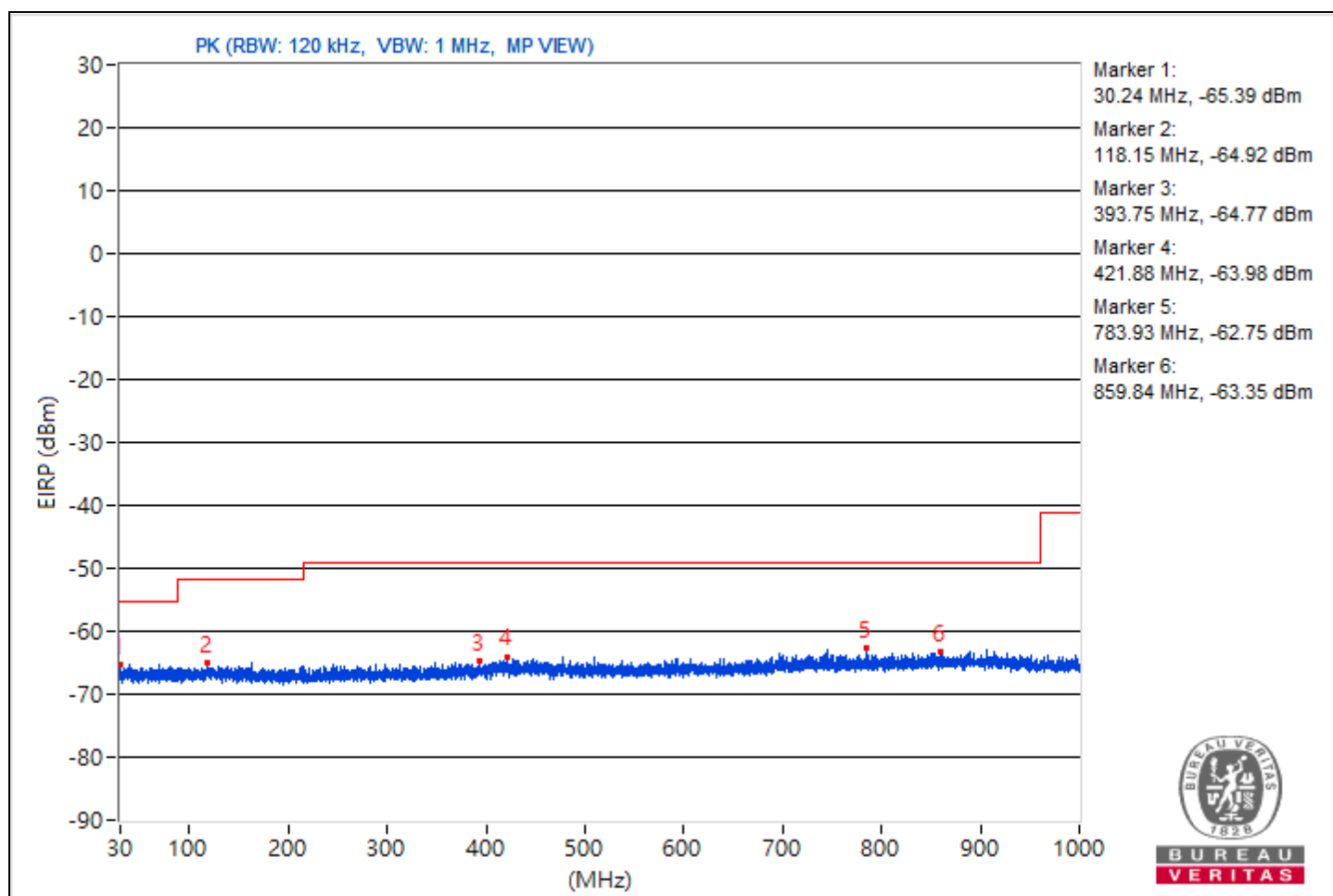
2Tx

RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 MHz
Frequency Range	30 MHz ~ 1 GHz	Environmental Conditions	26°C, 66% 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	30.24	29.87 PK	40	-10.13	-82.7	-80.2	12.87	-65.39
2	118.15	30.34 PK	43.5	-13.16	-80.94	-80.67	12.87	-64.92
3	393.75	30.49 PK	46	-15.51	-79.34	-82.54	12.87	-64.77
4	421.88	31.28 PK	46	-14.72	-78.37	-82.15	12.87	-63.98
5	783.93	32.51 PK	46	-13.49	-78.39	-78.88	12.87	-62.75
6	859.84	31.91 PK	46	-14.09	-82.23	-77.47	12.87	-63.35

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

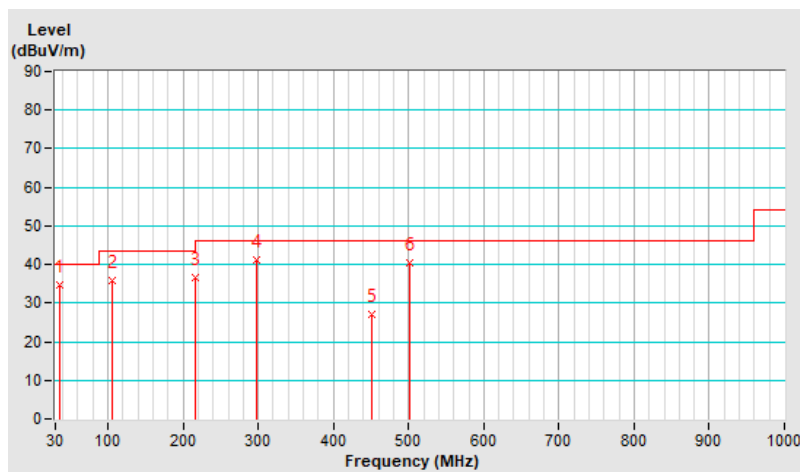
2Tx

RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 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	24 °C, 72% RH
Tested By	Louis Yang		

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	36.30	34.6 QP	40.0	-5.4	1.96 H	279	47.8	-13.2
2	104.90	35.9 QP	43.5	-7.6	2.03 H	308	51.8	-15.9
3	217.00	36.5 QP	46.0	-9.5	1.65 H	170	52.6	-16.1
4	298.30	41.2 QP	46.0	-4.8	1.34 H	149	53.2	-12.0
5	451.30	27.1 QP	46.0	-18.9	3.06 H	360	35.0	-7.9
6	500.80	40.5 QP	46.0	-5.5	1.60 H	165	47.5	-7.0

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 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.

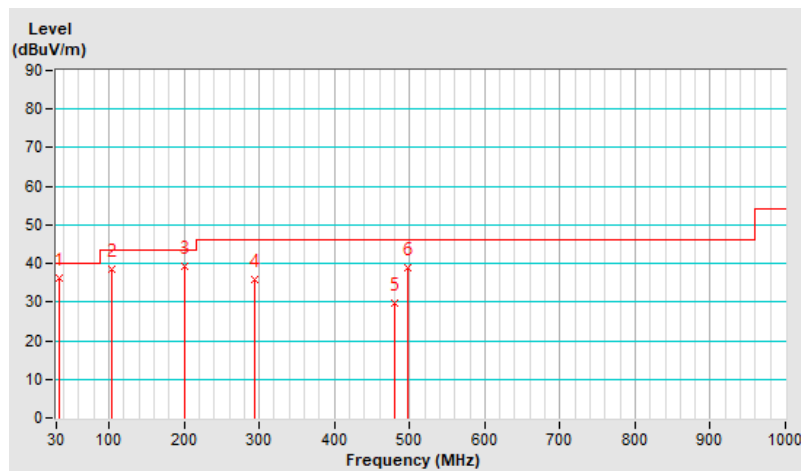


RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	24 °C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.00	36.2 QP	40.0	-3.8	2.94 V	279	49.3	-13.1
2	104.30	38.4 QP	43.5	-5.1	2.10 V	360	54.4	-16.0
3	199.80	39.1 QP	43.5	-4.4	1.60 V	168	55.0	-15.9
4	293.30	35.7 QP	46.0	-10.3	1.00 V	177	47.9	-12.2
5	480.20	29.7 QP	46.0	-16.3	2.08 V	164	37.0	-7.3
6	497.80	38.8 QP	46.0	-7.2	1.66 V	279	45.8	-7.0

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 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

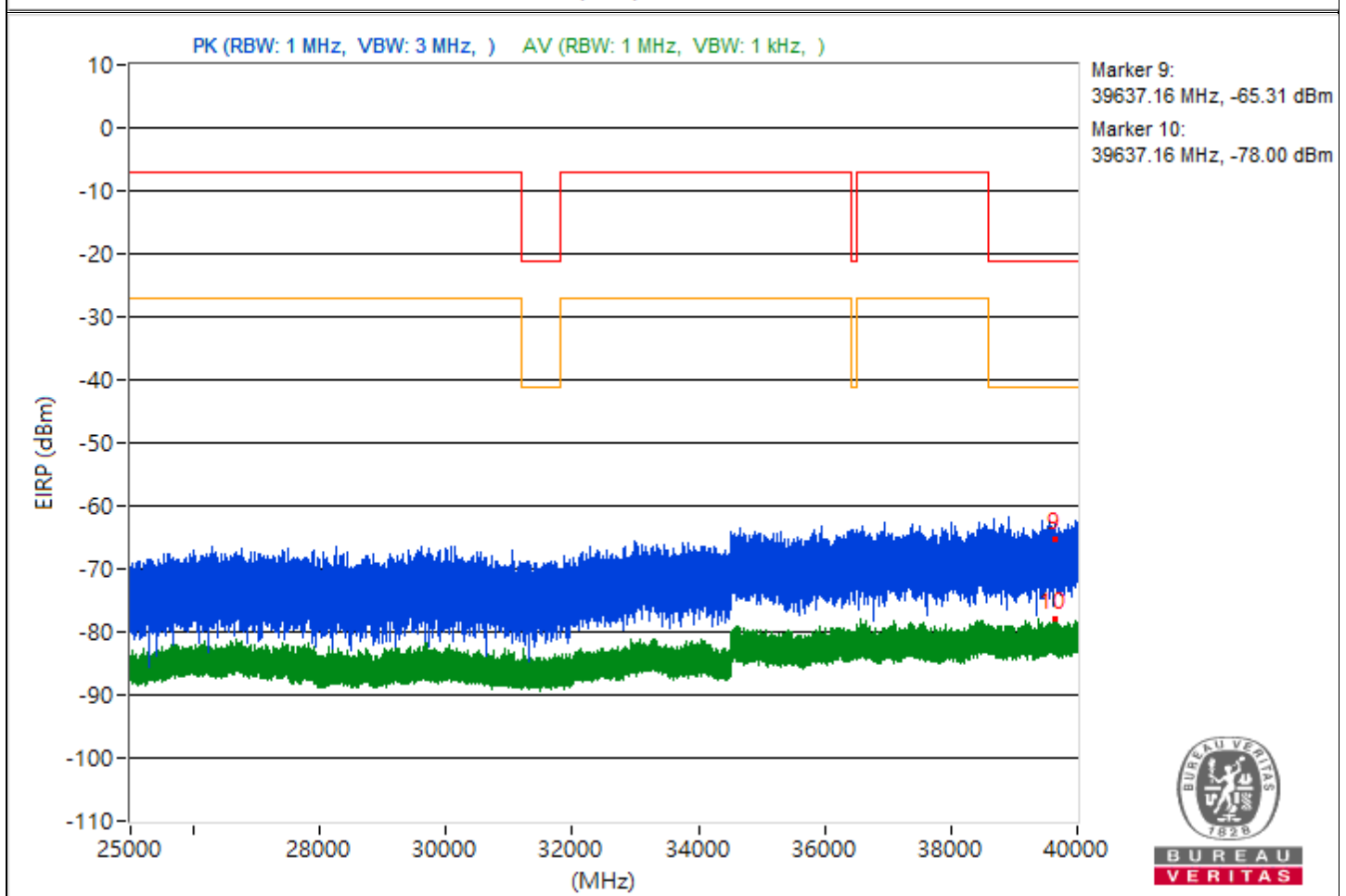
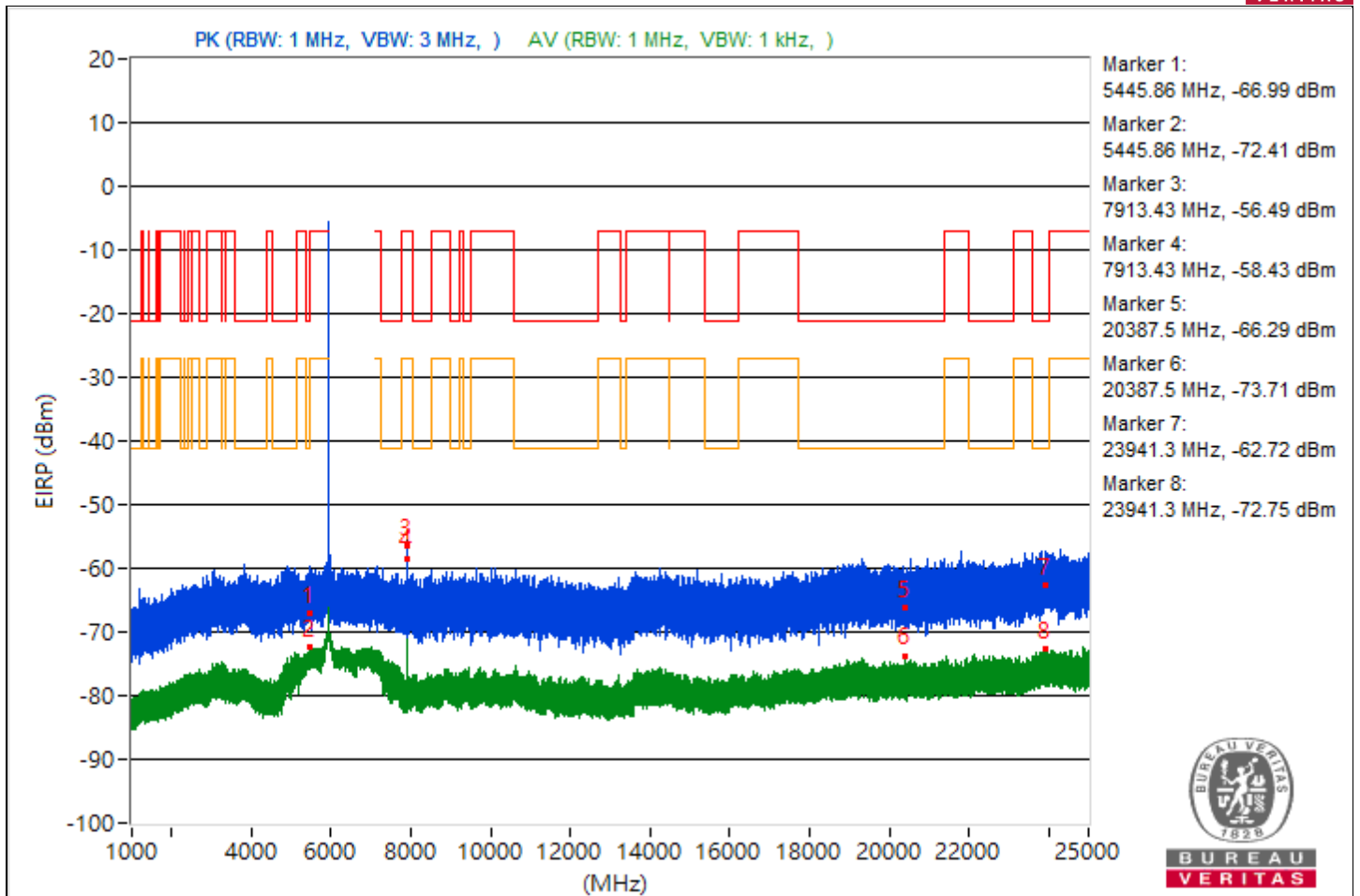
Conducted Unwanted Emissions

RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% 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	5445.86	28.27 PK	74	-45.73	-72.15	5.16	-66.99
2	5445.86	22.85 AV	54	-31.15	-77.57	5.16	-72.41
3	#7913.43	38.77 PK	88.26	-49.49	-61.65	5.16	-56.49
4	#7913.43	36.83 AV	68.26	-31.43	-63.59	5.16	-58.43
5	20387.5	28.97 PK	74	-45.03	-71.45	5.16	-66.29
6	20387.5	21.55 AV	54	-32.45	-78.87	5.16	-73.71
7	23941.3	32.54 PK	74	-41.46	-67.88	5.16	-62.72
8	23941.3	22.51 AV	54	-31.49	-77.91	5.16	-72.75
9	39637.16	29.95 PK	74	-44.05	-70.47	5.16	-65.31
10	39637.16	17.26 AV	54	-36.74	-83.16	5.16	-78

Notes:

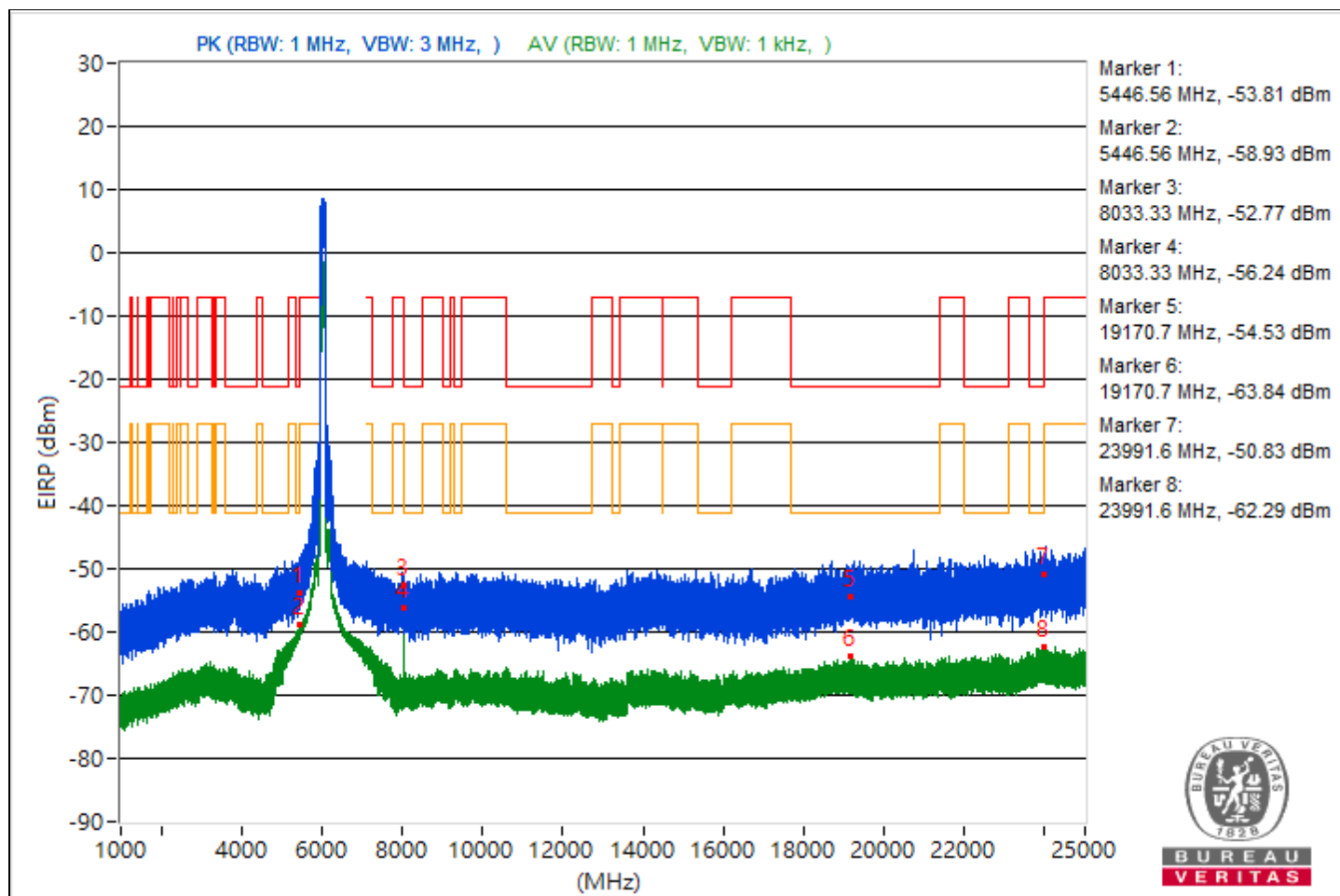
1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.

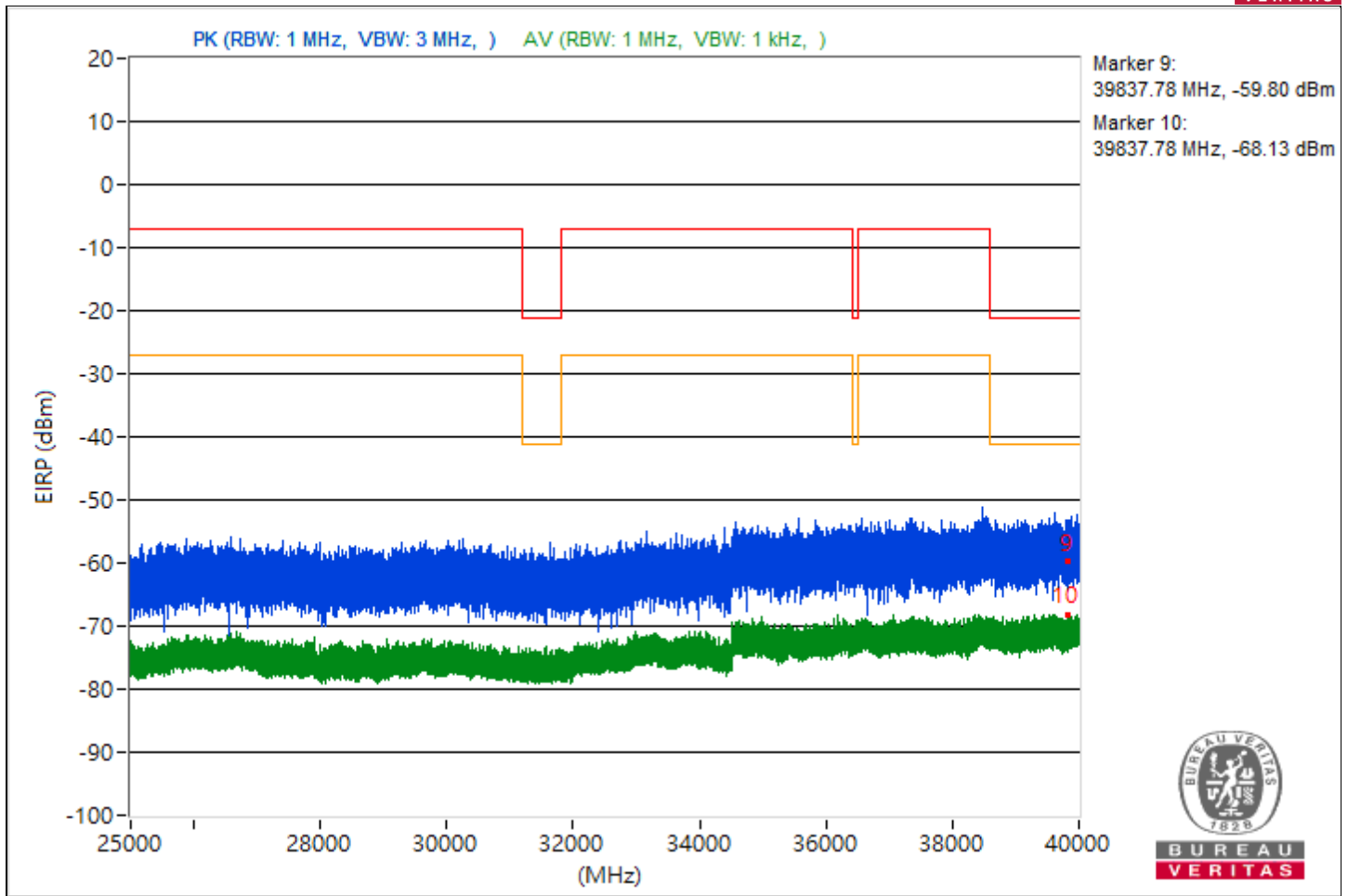


RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	5446.56	41.45 PK	74	-32.55	-58.97	5.16	-53.81
2	5446.56	36.33 AV	54	-17.67	-64.09	5.16	-58.93
3	8033.33	42.49 PK	74	-31.51	-57.93	5.16	-52.77
4	8033.33	39.02 AV	54	-14.98	-61.4	5.16	-56.24
5	19170.7	40.73 PK	74	-33.27	-59.69	5.16	-54.53
6	19170.7	31.42 AV	54	-22.58	-69	5.16	-63.84
7	23991.6	44.43 PK	74	-29.57	-55.99	5.16	-50.83
8	23991.6	32.97 AV	54	-21.03	-67.45	5.16	-62.29
9	39837.78	35.46 PK	74	-38.54	-64.96	5.16	-59.8
10	39837.78	27.13 AV	54	-26.87	-73.29	5.16	-68.13

Note: Margin value = Emission Level - Limit value

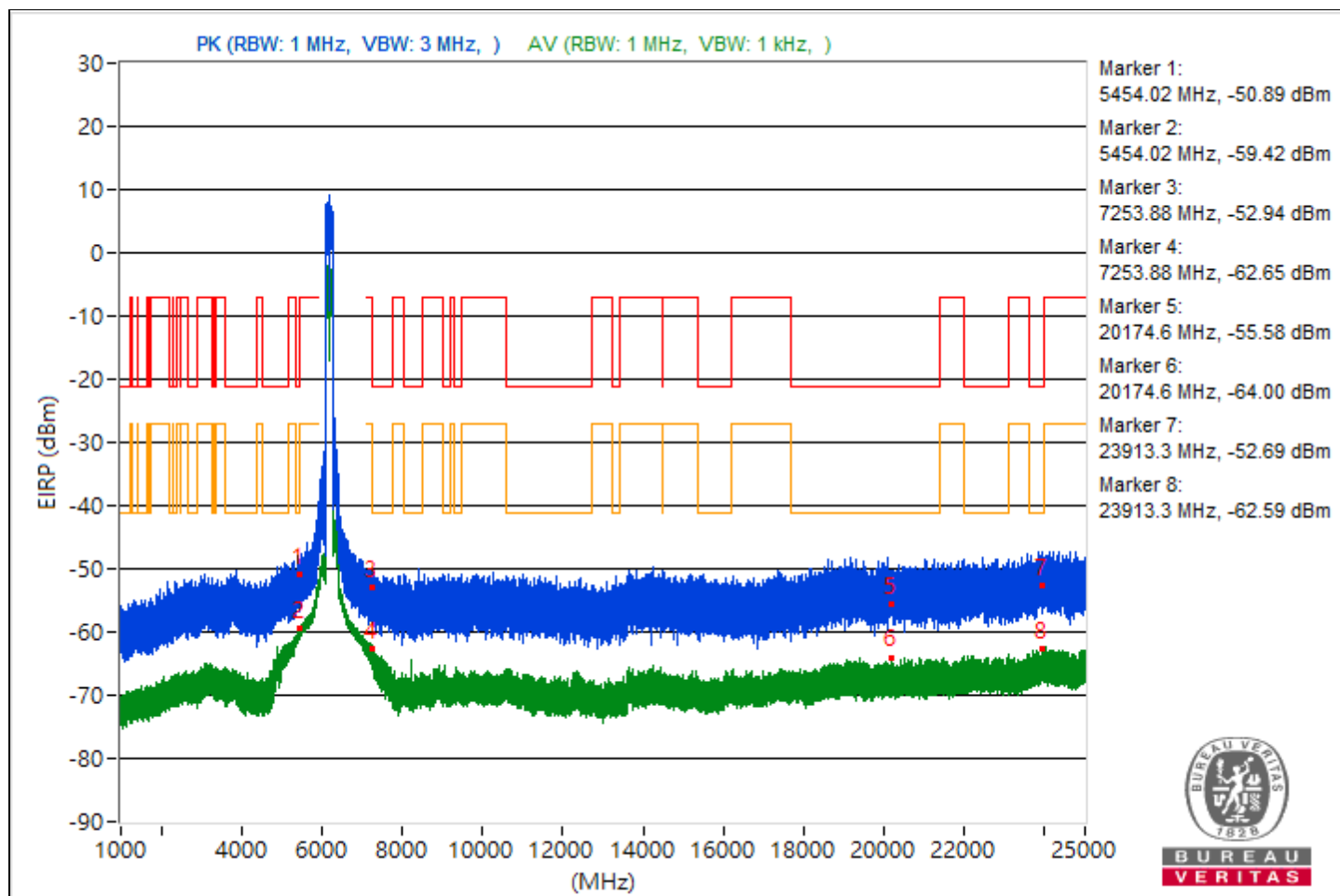


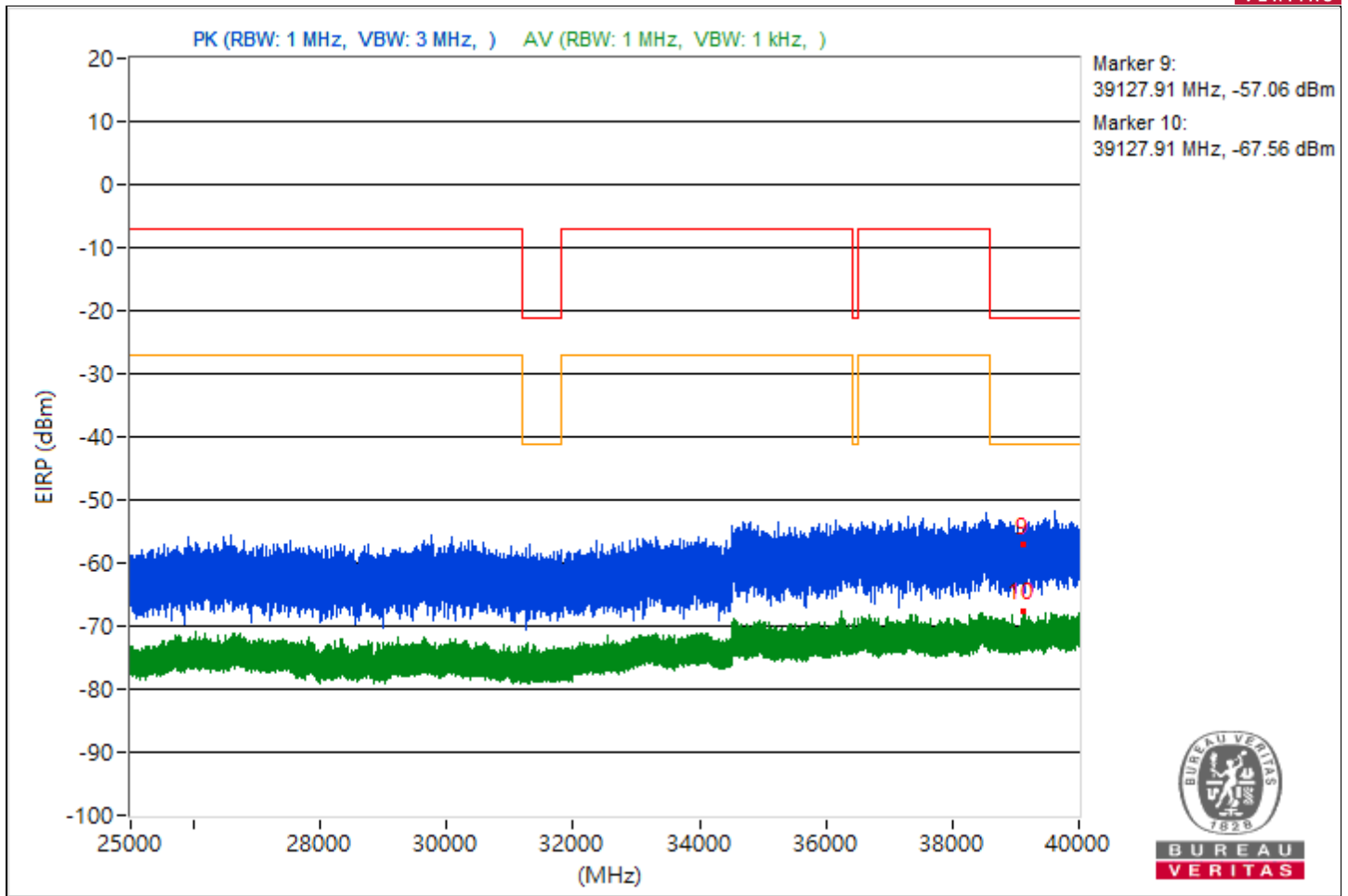


RF Mode	802.11be (EHT160)	Channel	CH 47 : 6185 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	5454.02	44.37 PK	74	-29.63	-56.05	5.16	-50.89
2	5454.02	35.84 AV	54	-18.16	-64.58	5.16	-59.42
3	7253.88	42.32 PK	74	-31.68	-58.1	5.16	-52.94
4	7253.88	32.61 AV	54	-21.39	-67.81	5.16	-62.65
5	20174.6	39.68 PK	74	-34.32	-60.74	5.16	-55.58
6	20174.6	31.26 AV	54	-22.74	-69.16	5.16	-64
7	23913.3	42.57 PK	74	-31.43	-57.85	5.16	-52.69
8	23913.3	32.67 AV	54	-21.33	-67.75	5.16	-62.59
9	39127.91	38.2 PK	74	-35.8	-62.22	5.16	-57.06
10	39127.91	27.7 AV	54	-26.3	-72.72	5.16	-67.56

Note: Margin value = Emission Level - Limit value

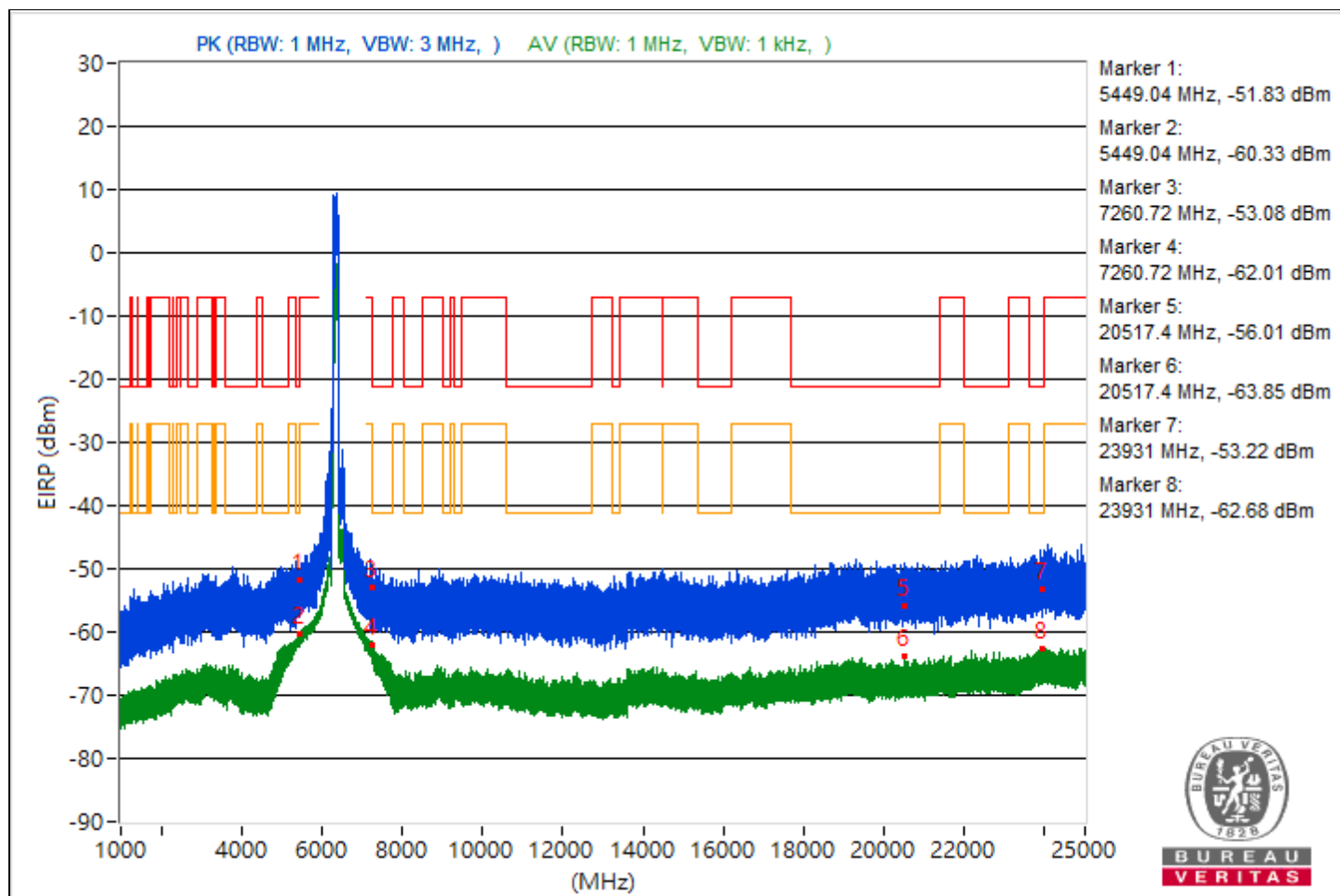


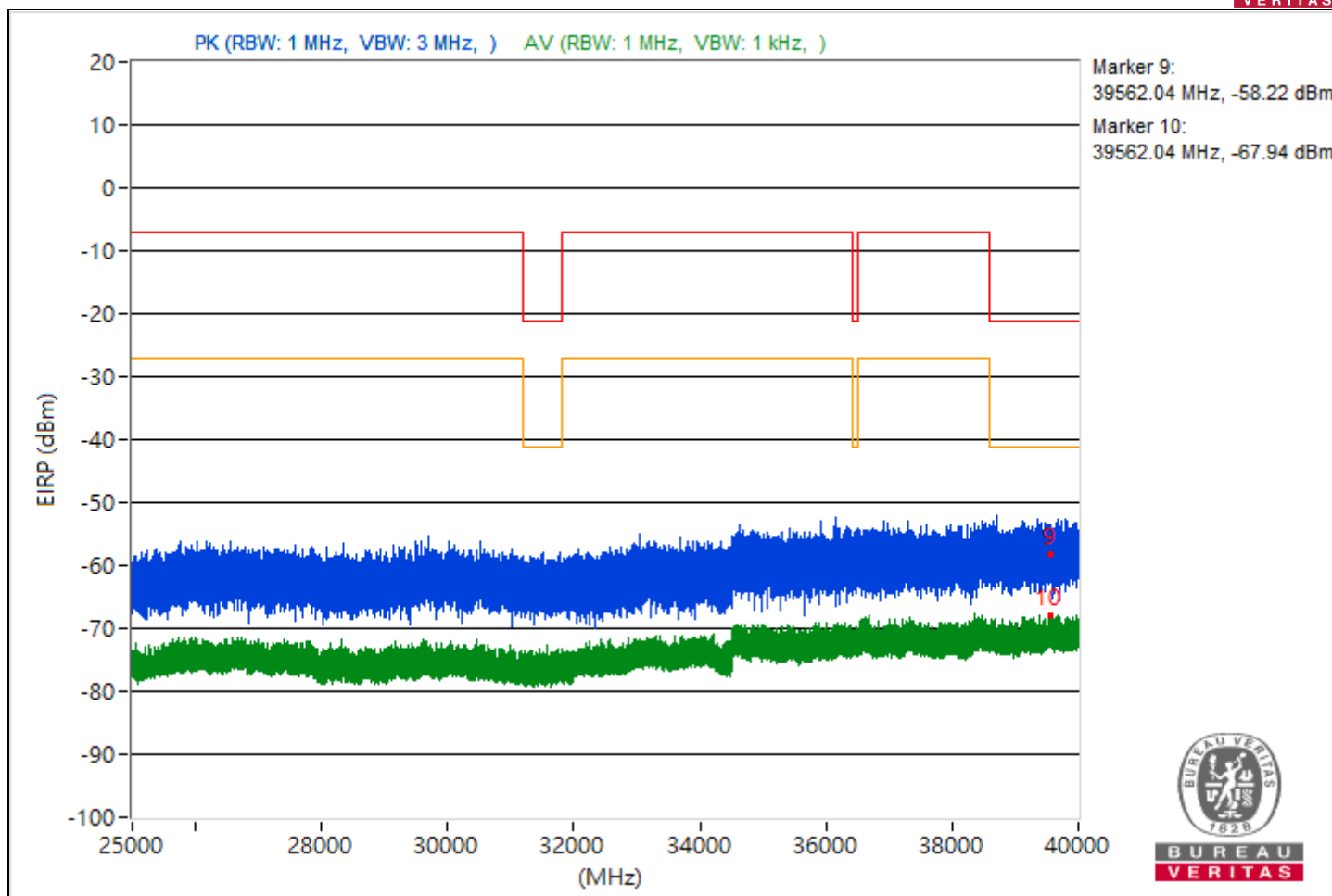


RF Mode	802.11be (EHT160)	Channel	CH 79 : 6345 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	5449.04	43.43 PK	74	-30.57	-56.99	5.16	-51.83
2	5449.04	34.93 AV	54	-19.07	-65.49	5.16	-60.33
3	7260.72	42.18 PK	74	-31.82	-58.24	5.16	-53.08
4	7260.72	33.25 AV	54	-20.75	-67.17	5.16	-62.01
5	20517.4	39.25 PK	74	-34.75	-61.17	5.16	-56.01
6	20517.4	31.41 AV	54	-22.59	-69.01	5.16	-63.85
7	23931	42.04 PK	74	-31.96	-58.38	5.16	-53.22
8	23931	32.58 AV	54	-21.42	-67.84	5.16	-62.68
9	39562.04	37.04 PK	74	-36.96	-63.38	5.16	-58.22
10	39562.04	27.32 AV	54	-26.68	-73.1	5.16	-67.94

Note: Margin value = Emission Level - Limit value

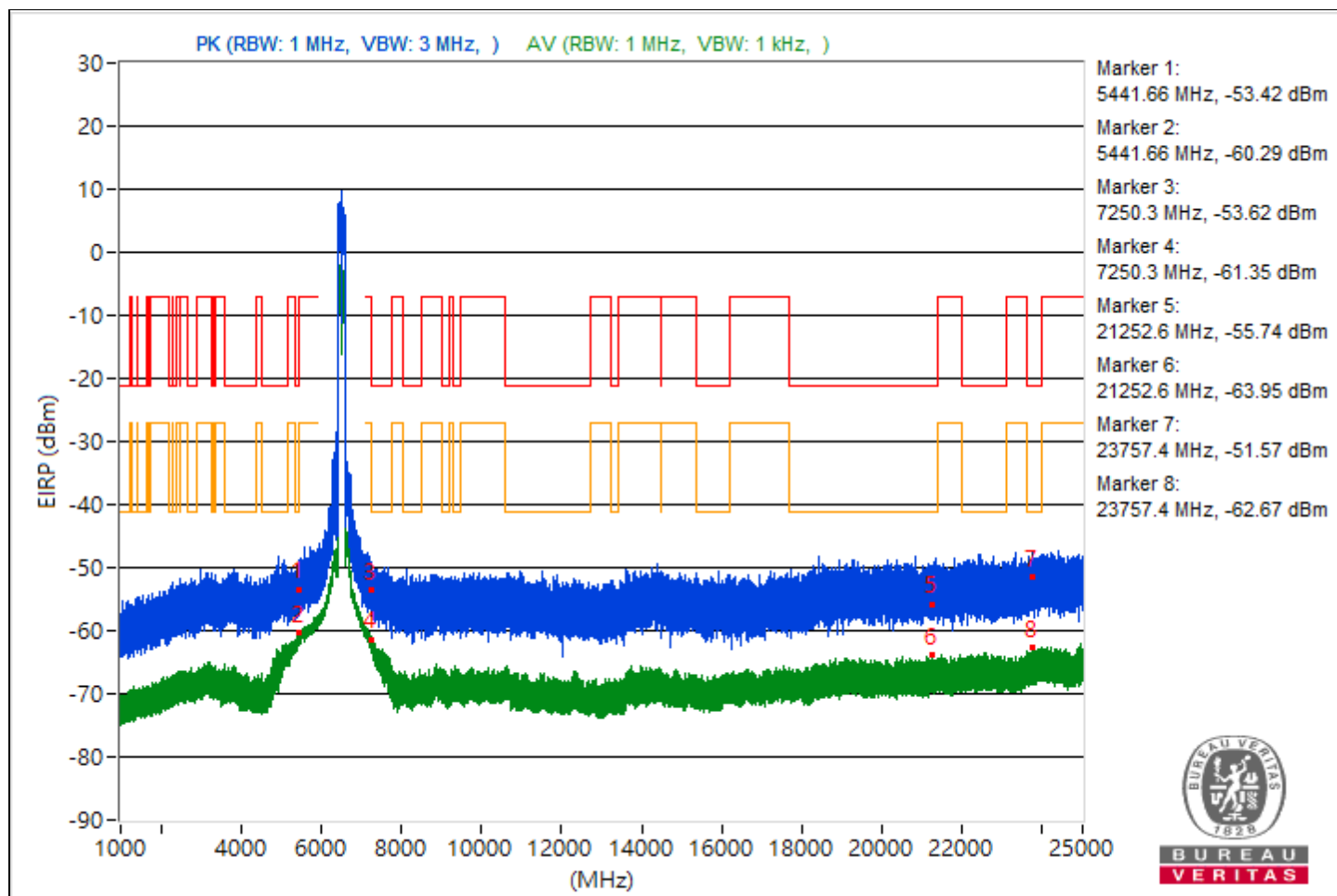


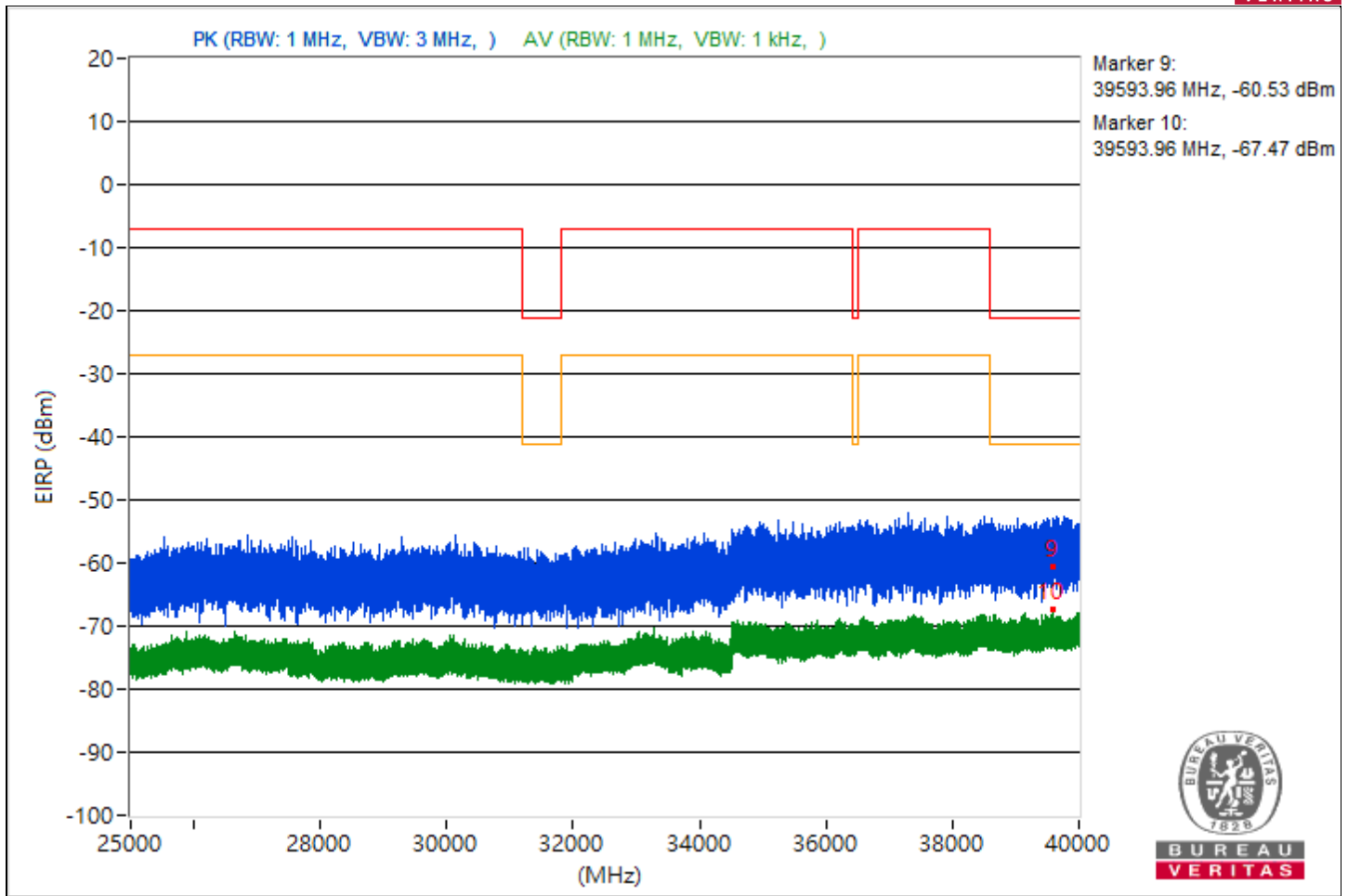


RF Mode	802.11be (EHT160)	Channel	CH 111 : 6505 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	5441.66	41.84 PK	74	-32.16	-58.58	5.16	-53.42
2	5441.66	34.97 AV	54	-19.03	-65.45	5.16	-60.29
3	7250.3	41.64 PK	74	-32.36	-58.78	5.16	-53.62
4	7250.3	33.91 AV	54	-20.09	-66.51	5.16	-61.35
5	21252.6	39.52 PK	74	-34.48	-60.9	5.16	-55.74
6	21252.6	31.31 AV	54	-22.69	-69.11	5.16	-63.95
7	23757.4	43.69 PK	74	-30.31	-56.73	5.16	-51.57
8	23757.4	32.59 AV	54	-21.41	-67.83	5.16	-62.67
9	39593.96	34.73 PK	74	-39.27	-65.69	5.16	-60.53
10	39593.96	27.79 AV	54	-26.21	-72.63	5.16	-67.47

Note: Margin value = Emission Level - Limit value

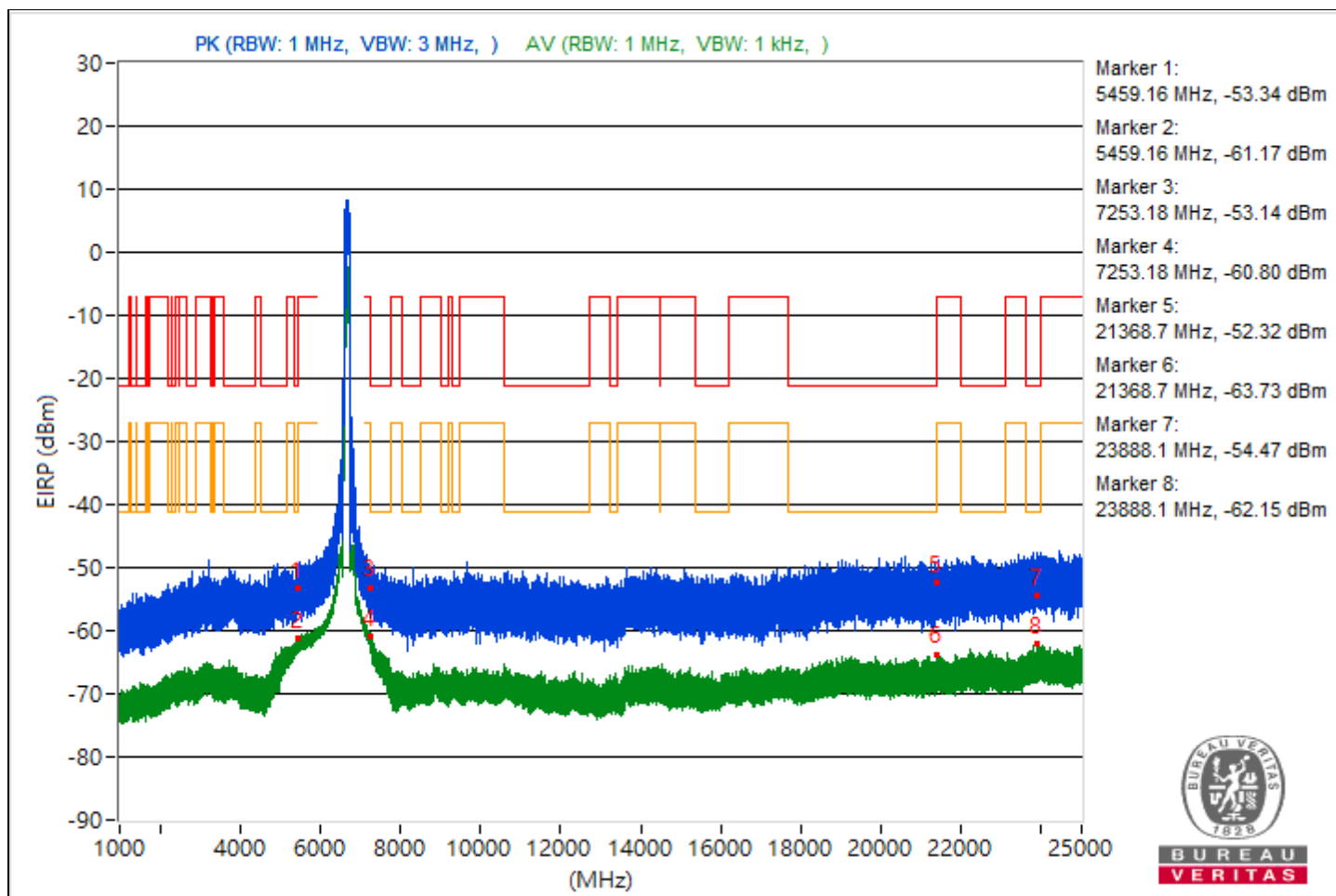


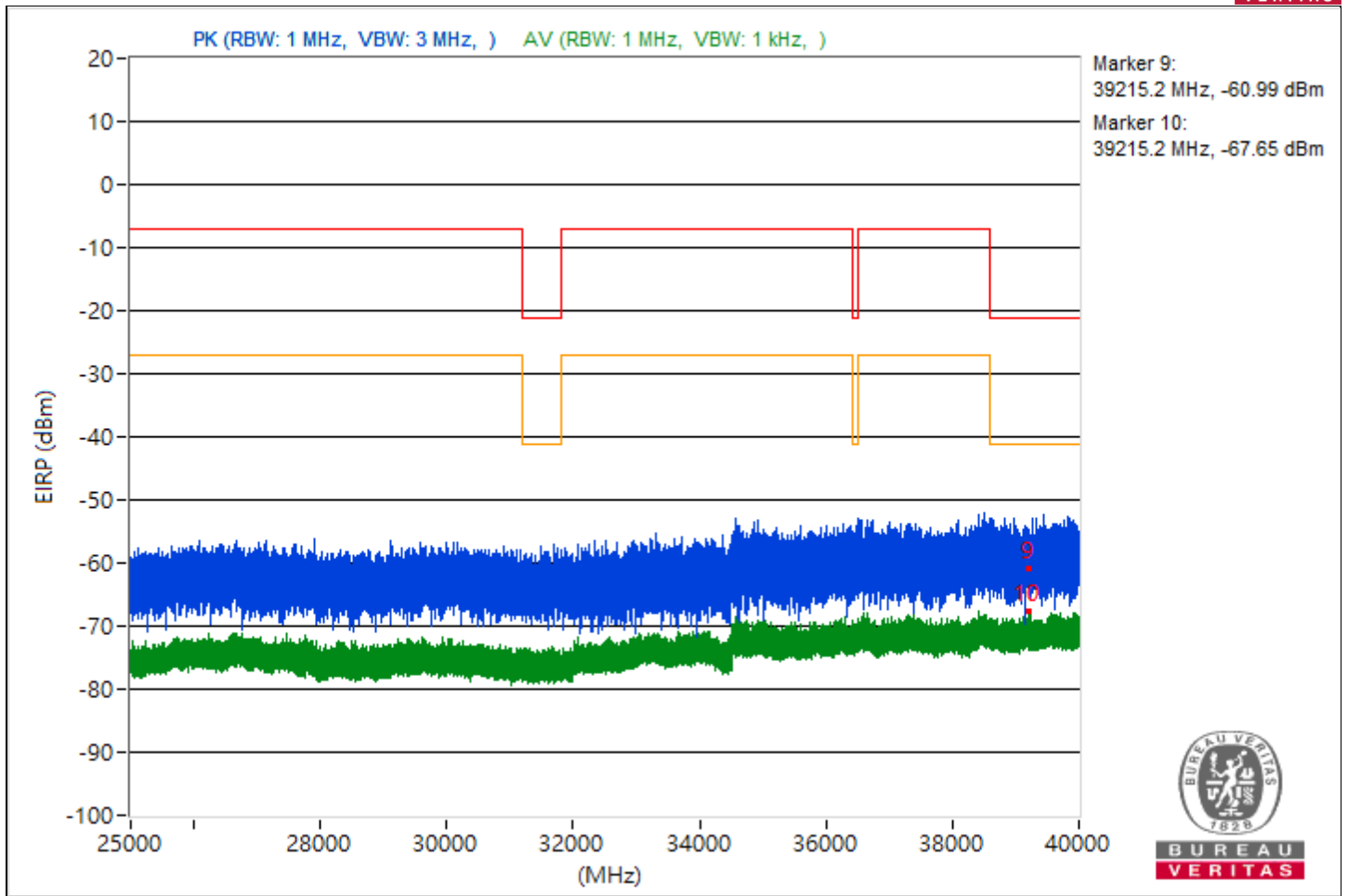


RF Mode	802.11be (EHT160)	Channel	CH 143 : 6665 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	5459.16	41.92 PK	74	-32.08	-58.5	5.16	-53.34
2	5459.16	34.09 AV	54	-19.91	-66.33	5.16	-61.17
3	7253.18	42.12 PK	74	-31.88	-58.3	5.16	-53.14
4	7253.18	34.46 AV	54	-19.54	-65.96	5.16	-60.8
5	21368.7	42.94 PK	74	-31.06	-57.48	5.16	-52.32
6	21368.7	31.53 AV	54	-22.47	-68.89	5.16	-63.73
7	23888.1	40.79 PK	74	-33.21	-59.63	5.16	-54.47
8	23888.1	33.11 AV	54	-20.89	-67.31	5.16	-62.15
9	39215.2	34.27 PK	74	-39.73	-66.15	5.16	-60.99
10	39215.2	27.61 AV	54	-26.39	-72.81	5.16	-67.65

Note: Margin value = Emission Level - Limit value

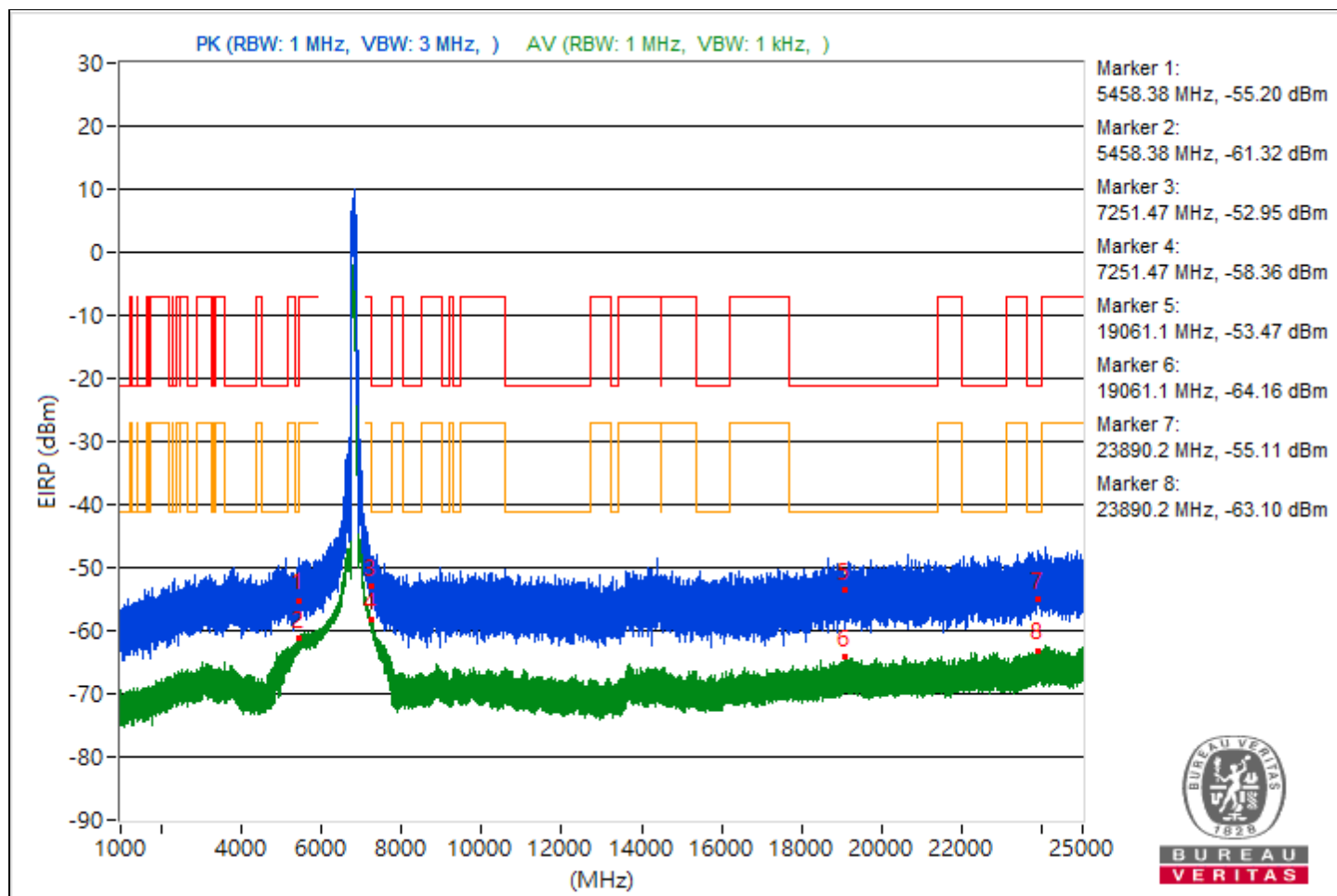


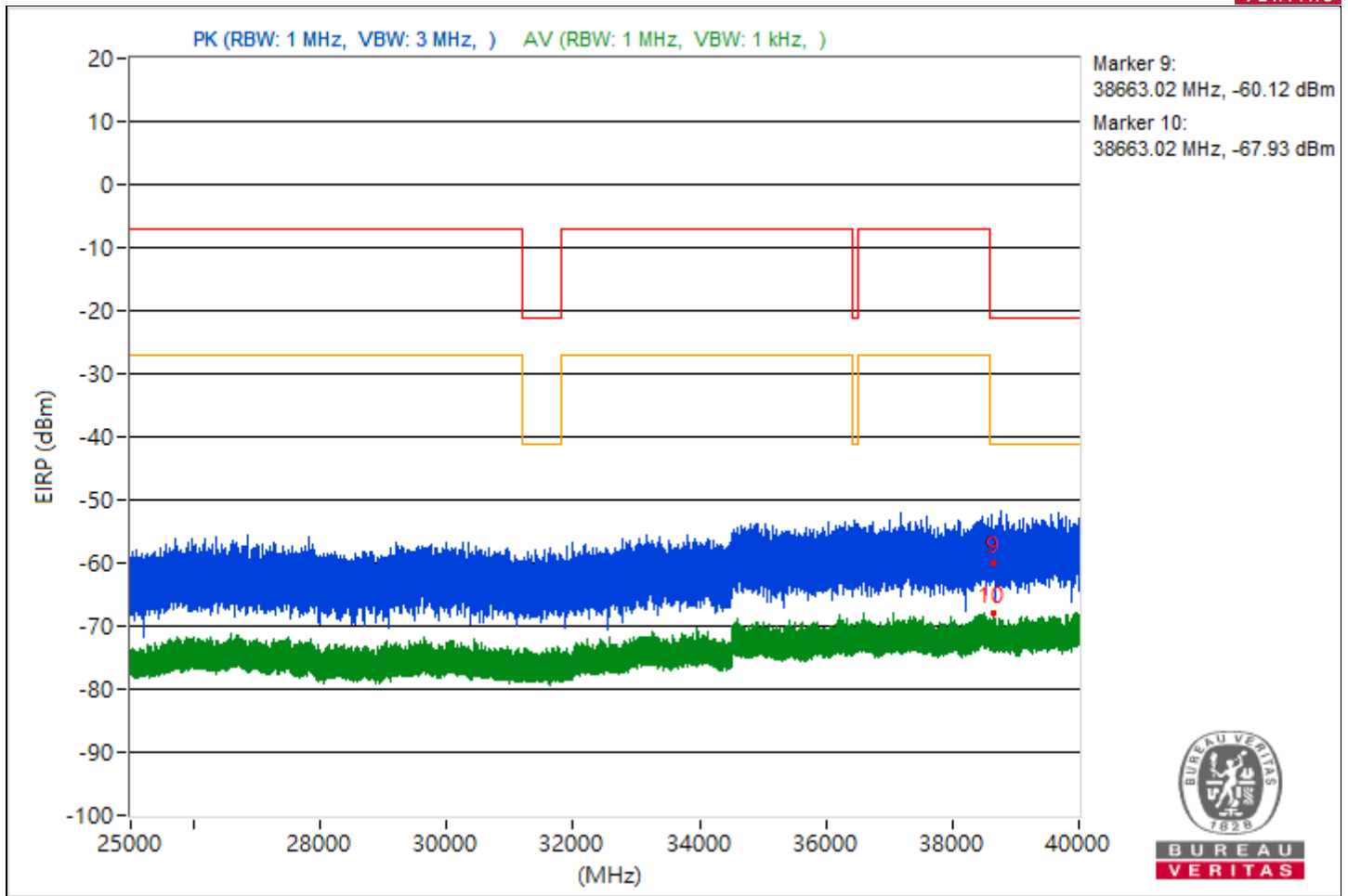


RF Mode	802.11be (EHT160)	Channel	CH 175 : 6825 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	5458.38	40.06 PK	74	-33.94	-60.36	5.16	-55.2
2	5458.38	33.94 AV	54	-20.06	-66.48	5.16	-61.32
3	7251.47	42.31 PK	74	-31.69	-58.11	5.16	-52.95
4	7251.47	36.9 AV	54	-17.1	-63.52	5.16	-58.36
5	19061.1	41.79 PK	74	-32.21	-58.63	5.16	-53.47
6	19061.1	31.1 AV	54	-22.9	-69.32	5.16	-64.16
7	23890.2	40.15 PK	74	-33.85	-60.27	5.16	-55.11
8	23890.2	32.16 AV	54	-21.84	-68.26	5.16	-63.1
9	38663.02	35.14 PK	74	-38.86	-65.28	5.16	-60.12
10	38663.02	27.33 AV	54	-26.67	-73.09	5.16	-67.93

Note: Margin value = Emission Level - Limit value

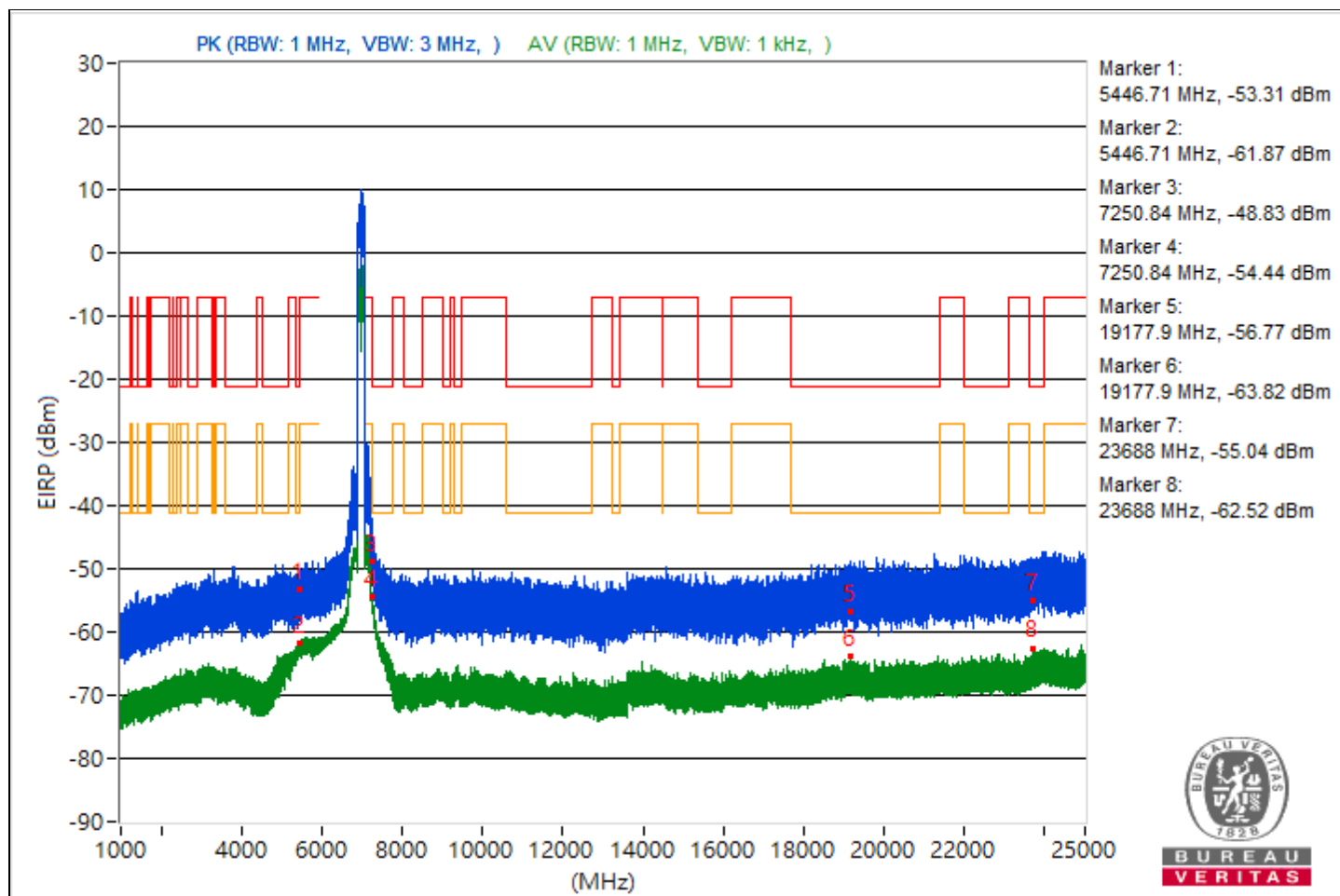


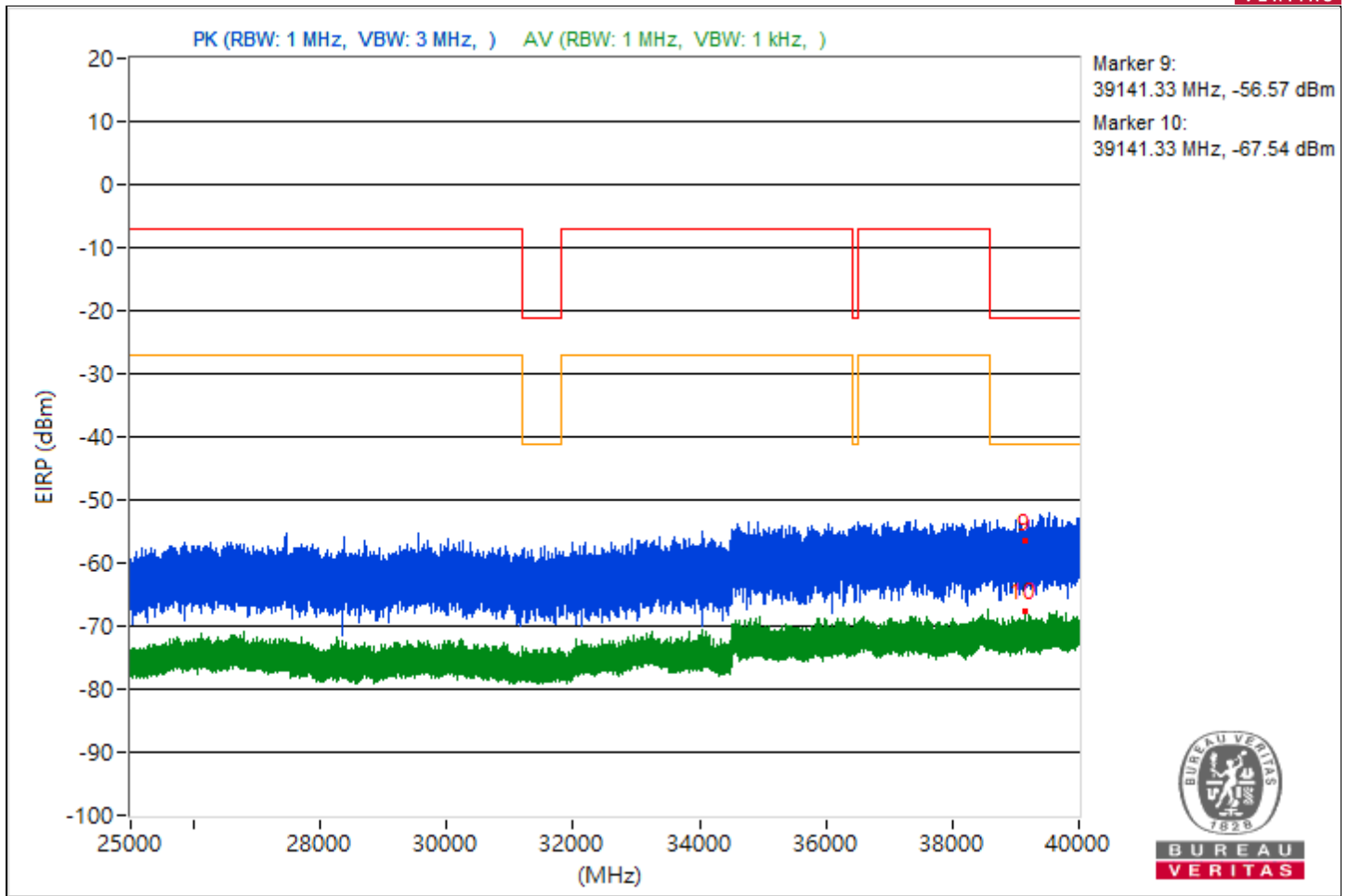


RF Mode	802.11be (EHT160)	Channel	CH 207 : 6985 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	5446.71	41.95 PK	74	-32.05	-58.47	5.16	-53.31
2	5446.71	33.39 AV	54	-20.61	-67.03	5.16	-61.87
3	7250.84	46.43 PK	74	-27.57	-53.99	5.16	-48.83
4	7250.84	40.82 AV	54	-13.18	-59.6	5.16	-54.44
5	19177.9	38.49 PK	74	-35.51	-61.93	5.16	-56.77
6	19177.9	31.44 AV	54	-22.56	-68.98	5.16	-63.82
7	23688	40.22 PK	74	-33.78	-60.2	5.16	-55.04
8	23688	32.74 AV	54	-21.26	-67.68	5.16	-62.52
9	39141.33	38.69 PK	74	-35.31	-61.73	5.16	-56.57
10	39141.33	27.72 AV	54	-26.28	-72.7	5.16	-67.54

Note: Margin value = Emission Level - Limit value





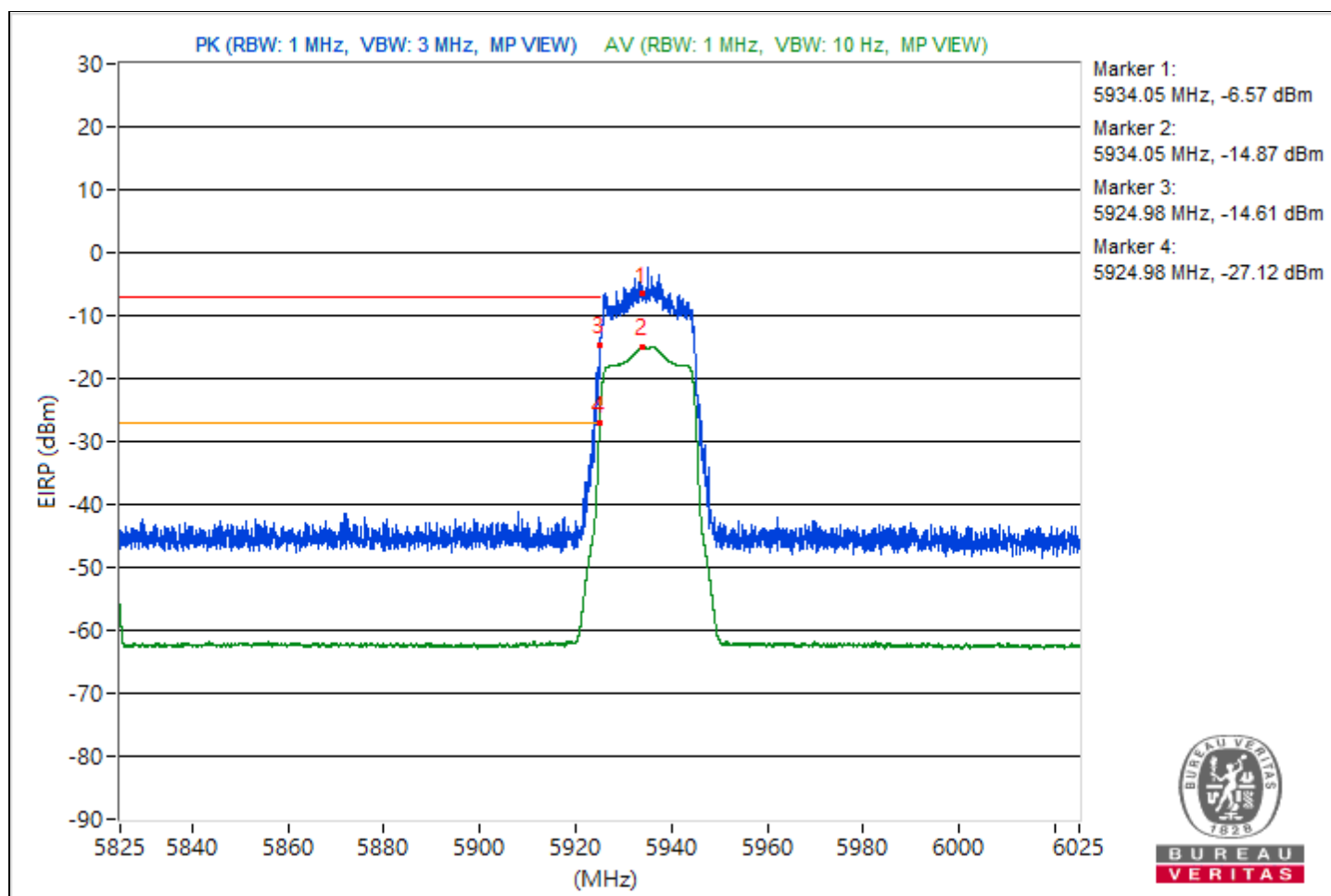
Conducted Band Edges

RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 MHz
Frequency Range	5.825 GHz ~ 6.025 GHz	Environmental Conditions	26°C, 66% 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	*5934.05	88.69 PK			-11.71	5.14	-6.57
2	*5934.05	80.39 AV			-20.01	5.14	-14.87
3	#5924.98	80.65 PK	88.26	-7.61	-19.75	5.14	-14.61
4	#5924.98	68.14 AV	68.26	-0.12	-32.26	5.14	-27.12

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.

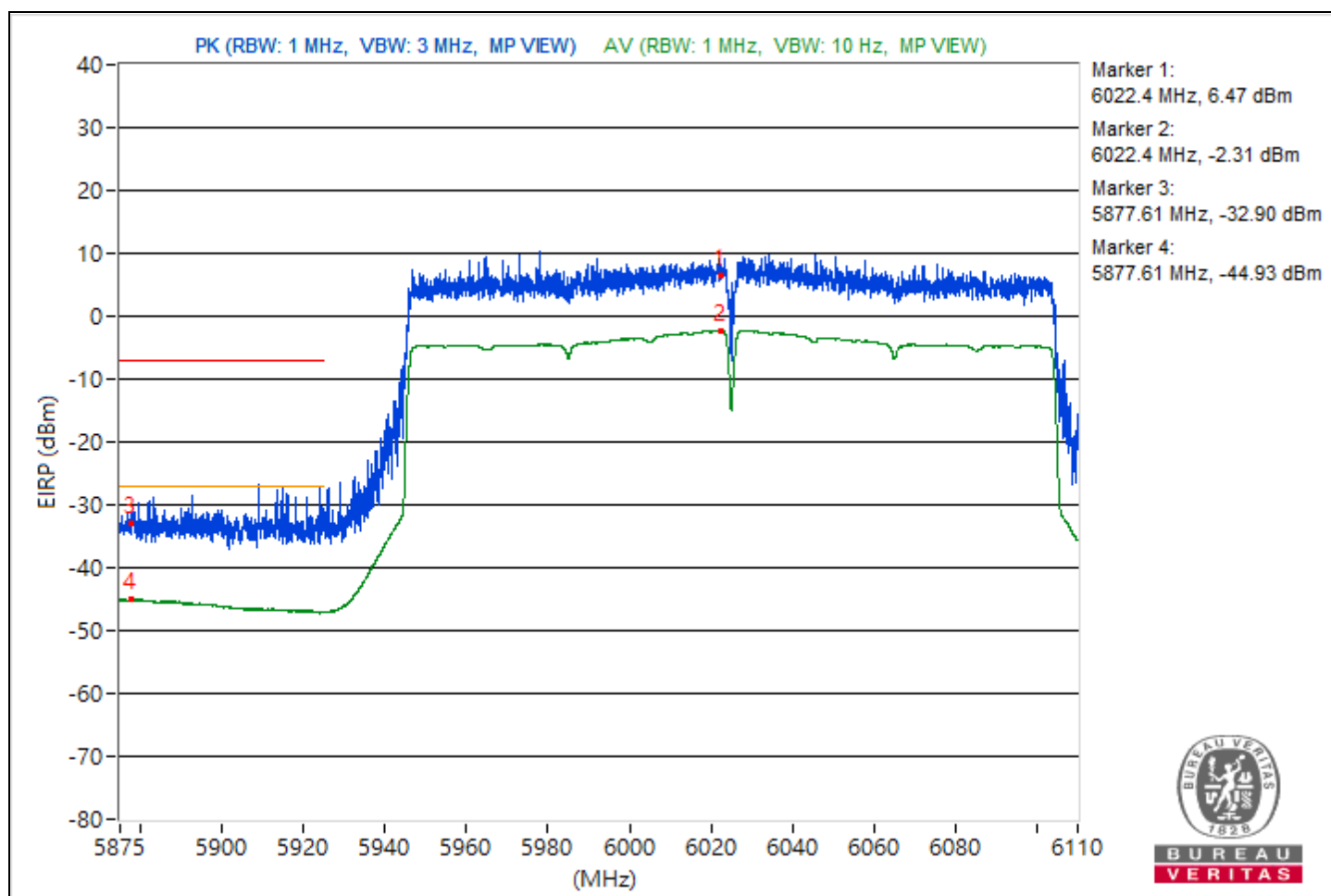


RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 MHz
Frequency Range	5.875 GHz ~ 6.11 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

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	*6022.4	101.73 PK			1.33	5.14	6.47
2	*6022.4	92.95 AV			-7.45	5.14	-2.31
3	#5877.61	62.36 PK	88.26	-25.9	-38.04	5.14	-32.9
4	#5877.61	50.33 AV	68.26	-17.93	-50.07	5.14	-44.93

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.

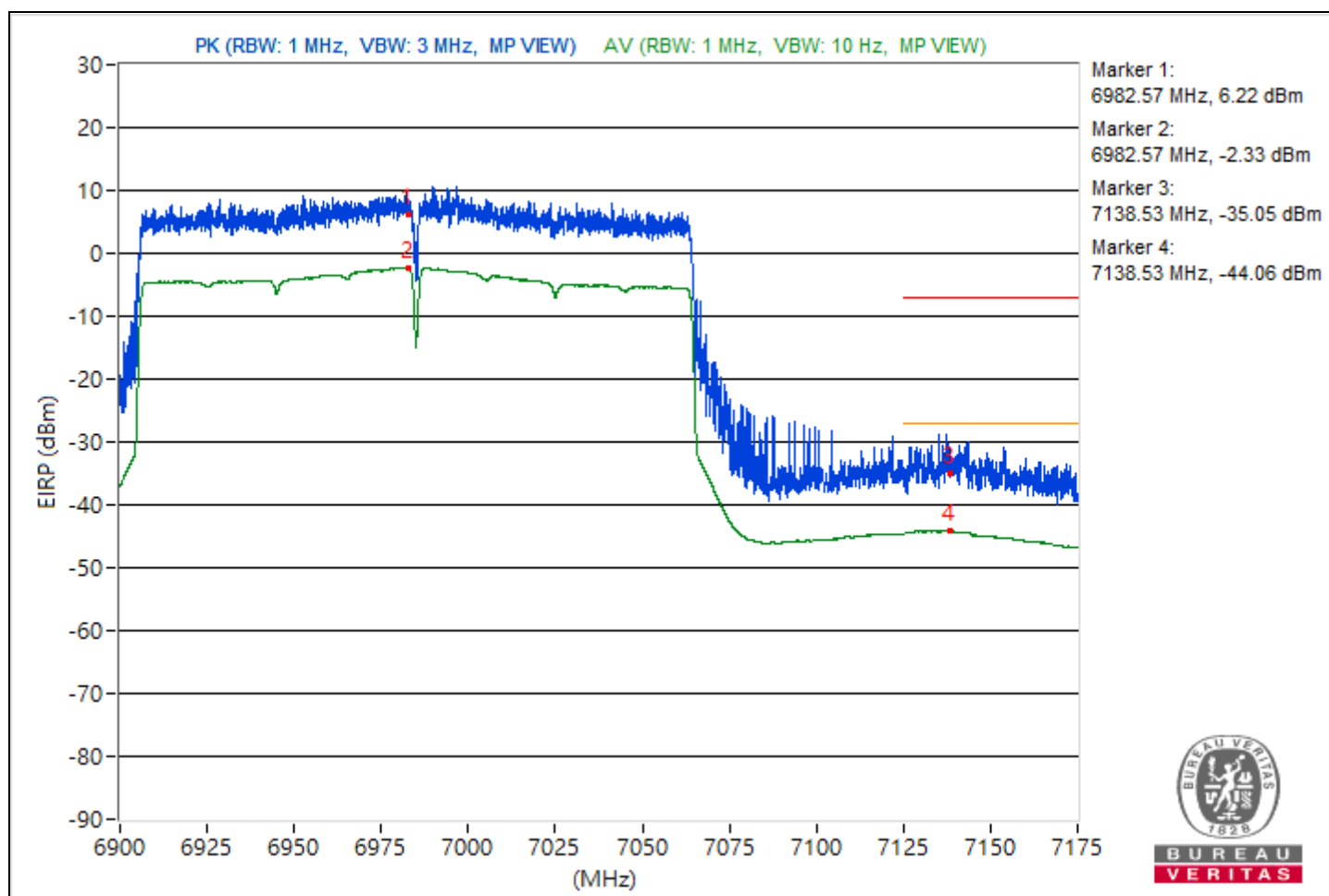


RF Mode	802.11be (EHT160)	Channel	CH 207 : 6985 MHz
Frequency Range	6.9 GHz ~ 7.175 GHz	Environmental Conditions	26°C, 63% RH
Tested By	Dolly Chung		

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	*6982.57	101.48 PK			1.1	5.12	6.22
2	*6982.57	92.93 AV			-7.45	5.12	-2.33
3	#7138.53	60.21 PK	88.26	-28.05	-40.17	5.12	-35.05
4	#7138.53	51.2 AV	68.26	-17.06	-49.18	5.12	-44.06

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.



2Tx

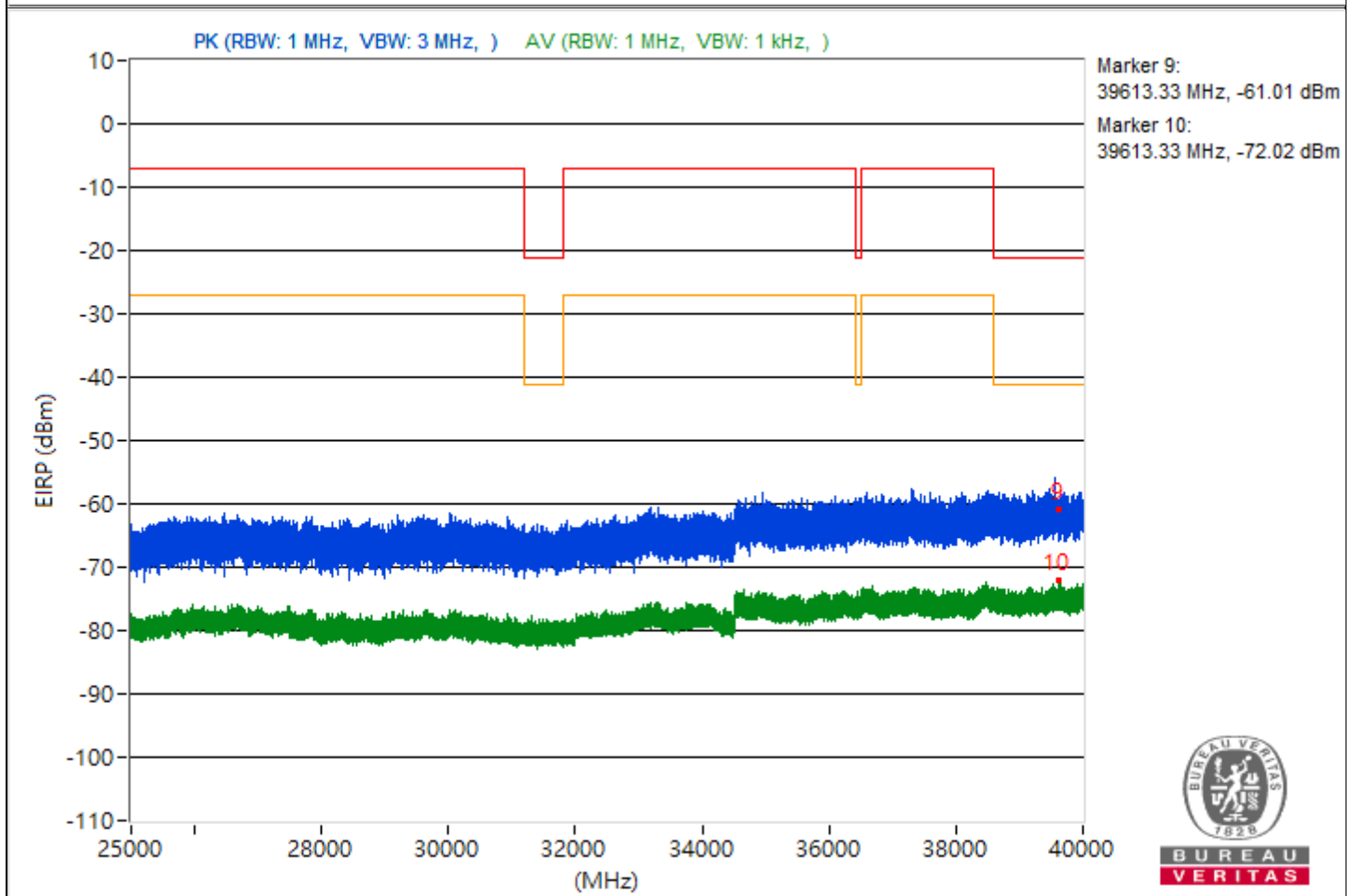
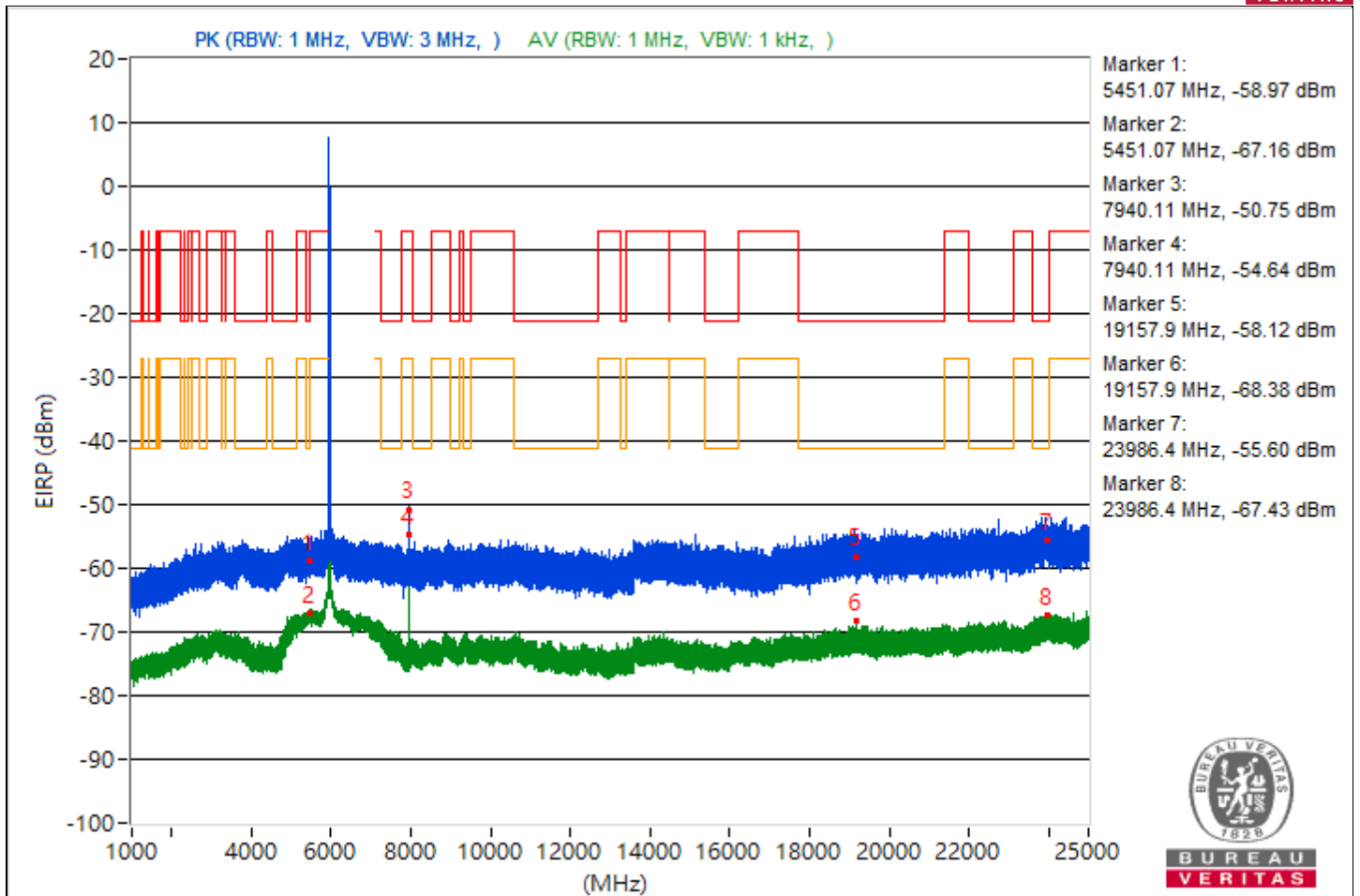
Conducted Unwanted Emissions

RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 1 : 5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% 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	5451.07	36.29 PK	74	-37.71	-71.47	-69.13	8.17	-58.97
2	5451.07	28.1 AV	54	-25.9	-78.02	-78.68	8.17	-67.16
3	#7940.11	44.51 PK	88.26	-43.75	-61.67	-62.2	8.17	-50.75
4	#7940.11	40.62 AV	68.26	-27.64	-65.99	-65.66	8.17	-54.64
5	19157.9	37.14 PK	74	-36.86	-68.04	-71.09	8.17	-58.12
6	19157.9	26.88 AV	54	-27.12	-80.13	-79.06	8.17	-68.38
7	23986.4	39.66 PK	74	-34.34	-67.98	-65.85	8.17	-55.6
8	23986.4	27.83 AV	54	-26.17	-80.14	-77.49	8.17	-67.43
9	39613.33	34.25 PK	74	-39.75	-72.92	-71.56	8.17	-61.01
10	39613.33	23.24 AV	54	-30.76	-83.57	-82.85	8.17	-72.02

Notes:

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



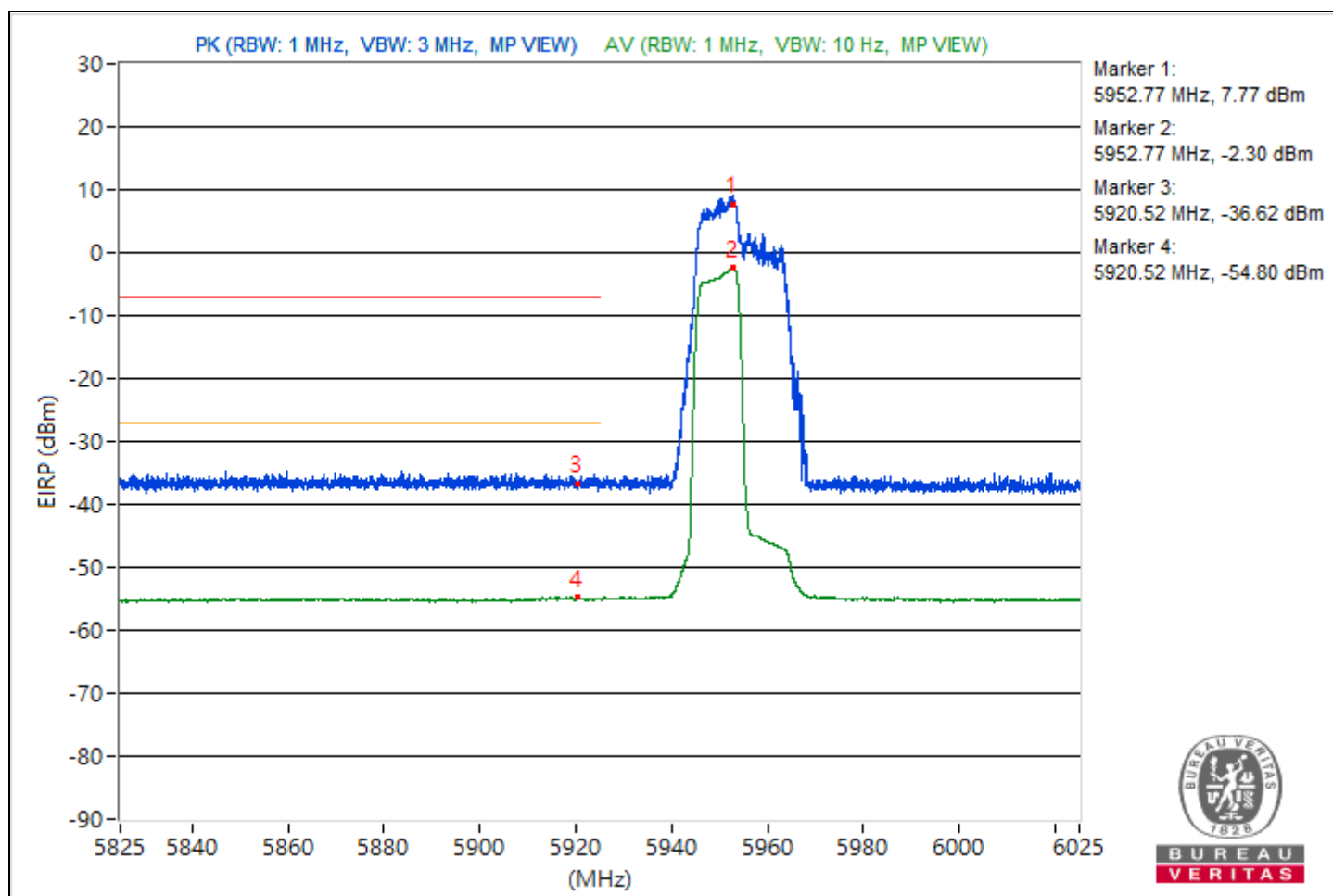
Conducted Band Edges

RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 1 : 5955 MHz
Frequency Range	5.825 GHz ~ 6.025 GHz	Environmental Conditions	26°C, 66% 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	*5952.77	103.03 PK			-5.32	-2.06	8.15	7.77
2	*5952.77	92.96 AV			-14.92	-12.37	8.15	-2.3
3	#5920.52	58.64 PK	88.26	-29.62	-47.17	-48.5	8.15	-36.62
4	#5920.52	40.46 AV	68.26	-27.8	-66.23	-65.71	8.15	-54.8

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	23 °C, 73% RH
Tested By	Louis Yang		

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	11920.00	44.7 PK	74.0	-29.3	1.71 H	166	33.7	11.0
2	11920.00	33.4 AV	54.0	-20.6	1.71 H	166	22.4	11.0
3	17880.00	46.2 PK	74.0	-27.8	1.97 H	270	24.5	21.7
4	17880.00	37.0 AV	54.0	-17.0	1.97 H	270	15.3	21.7
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	11920.00	44.1 PK	74.0	-29.9	1.69 V	165	33.1	11.0
2	11920.00	32.9 AV	54.0	-21.1	1.69 V	165	21.9	11.0
3	17880.00	46.4 PK	74.0	-27.6	2.03 V	290	24.7	21.7
4	17880.00	37.0 AV	54.0	-17.0	2.03 V	290	15.3	21.7

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 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	23 °C, 73% RH
Tested By	Louis Yang		

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	44.1 PK	74.0	-29.9	1.75 H	179	33.1	11.0
2	12050.00	32.5 AV	54.0	-21.5	1.75 H	179	21.5	11.0
3	18075.00	46.3 PK	74.0	-27.7	1.94 H	272	50.8	-4.5
4	18075.00	37.1 AV	54.0	-16.9	1.94 H	272	41.6	-4.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	12050.00	44.3 PK	74.0	-29.7	1.75 V	180	33.3	11.0
2	12050.00	32.9 AV	54.0	-21.1	1.75 V	180	21.9	11.0
3	18075.00	46.2 PK	74.0	-27.8	1.98 V	286	50.7	-4.5
4	18075.00	36.6 AV	54.0	-17.4	1.98 V	286	41.1	-4.5

Remarks:

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

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	23 °C, 73% RH
Tested By	Louis Yang		

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	44.7 PK	74.0	-29.3	1.76 H	153	33.8	10.9
2	12370.00	33.3 AV	54.0	-20.7	1.76 H	153	22.4	10.9
3	18555.00	46.9 PK	74.0	-27.1	1.95 H	284	51.4	-4.5
4	18555.00	37.4 AV	54.0	-16.6	1.95 H	284	41.9	-4.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	12370.00	44.5 PK	74.0	-29.5	1.68 V	172	33.6	10.9
2	12370.00	32.9 AV	54.0	-21.1	1.68 V	172	22.0	10.9
3	18555.00	46.1 PK	74.0	-27.9	2.03 V	287	50.6	-4.5
4	18555.00	36.6 AV	54.0	-17.4	2.03 V	287	41.1	-4.5

Remarks:

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

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	23 °C, 73% RH
Tested By	Louis Yang		

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	44.7 PK	74.0	-29.3	1.75 H	165	33.2	11.5
2	12690.00	33.4 AV	54.0	-20.6	1.75 H	165	21.9	11.5
3	19035.00	46.3 PK	74.0	-27.7	1.99 H	289	50.4	-4.1
4	19035.00	36.6 AV	54.0	-17.4	1.99 H	289	40.7	-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	12690.00	44.7 PK	74.0	-29.3	1.67 V	169	33.2	11.5
2	12690.00	33.1 AV	54.0	-20.9	1.67 V	169	21.6	11.5
3	19035.00	46.7 PK	74.0	-27.3	1.92 V	294	50.8	-4.1
4	19035.00	37.1 AV	54.0	-16.9	1.92 V	294	41.2	-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 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	23 °C, 73% RH
Tested By	Louis Yang		

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	44.6 PK	88.2	-43.6	1.76 H	157	32.9	11.7
2	#13010.00	33.4 AV	68.2	-34.8	1.76 H	157	21.7	11.7
3	19515.00	45.8 PK	74.0	-28.2	1.96 H	274	49.3	-3.5
4	19515.00	36.5 AV	54.0	-17.5	1.96 H	274	40.0	-3.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#13010.00	44.2 PK	88.2	-44.0	1.67 V	179	32.5	11.7
2	#13010.00	32.7 AV	68.2	-35.5	1.67 V	179	21.0	11.7
3	19515.00	46.5 PK	74.0	-27.5	1.98 V	281	50.0	-3.5
4	19515.00	37.2 AV	54.0	-16.8	1.98 V	281	40.7	-3.5

Remarks:

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

RF Mode	802.11be (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	23 °C, 73% RH
Tested By	Louis Yang		

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	44.7 PK	74.0	-29.3	1.66 H	158	31.8	12.9
2	13330.00	32.9 AV	54.0	-21.1	1.66 H	158	20.0	12.9
3	19995.00	46.7 PK	74.0	-27.3	2.00 H	289	50.5	-3.8
4	19995.00	37.2 AV	54.0	-16.8	2.00 H	289	41.0	-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	13330.00	44.9 PK	74.0	-29.1	1.74 V	167	32.0	12.9
2	13330.00	33.3 AV	54.0	-20.7	1.74 V	167	20.4	12.9
3	19995.00	45.8 PK	74.0	-28.2	2.02 V	282	49.6	-3.8
4	19995.00	36.5 AV	54.0	-17.5	2.02 V	282	40.3	-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 (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	23 °C, 73% RH
Tested By	Louis Yang		

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	44.9 PK	88.2	-43.3	1.72 H	180	31.1	13.8
2	#13650.00	33.3 AV	68.2	-34.9	1.72 H	180	19.5	13.8
3	20475.00	46.6 PK	74.0	-27.4	1.99 H	286	49.5	-2.9
4	20475.00	36.9 AV	54.0	-17.1	1.99 H	286	39.8	-2.9
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	#13650.00	44.8 PK	88.2	-43.4	1.69 V	163	31.0	13.8
2	#13650.00	33.5 AV	68.2	-34.7	1.69 V	163	19.7	13.8
3	20475.00	46.9 PK	74.0	-27.1	1.97 V	277	49.8	-2.9
4	20475.00	37.4 AV	54.0	-16.6	1.97 V	277	40.3	-2.9

Remarks:

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

RF Mode	802.11be (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	23 °C, 73% RH
Tested By	Louis Yang		

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	44.3 PK	88.2	-43.9	1.74 H	177	30.5	13.8
2	#13970.00	32.8 AV	68.2	-35.4	1.74 H	177	19.0	13.8
3	20955.00	47.2 PK	74.0	-26.8	1.94 H	279	49.8	-2.6
4	20955.00	37.4 AV	54.0	-16.6	1.94 H	279	40.0	-2.6
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	#13970.00	45.2 PK	88.2	-43.0	1.77 V	155	31.4	13.8
2	#13970.00	33.4 AV	68.2	-34.8	1.77 V	155	19.6	13.8
3	20955.00	46.3 PK	74.0	-27.7	2.04 V	290	48.9	-2.6
4	20955.00	37.1 AV	54.0	-16.9	2.04 V	290	39.7	-2.6

Remarks:

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

2Tx

RF Mode	802.11be (EHT20) 106-tone RU	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	23 °C, 73% RH
Tested By	Louis Yang		

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	46.1 PK	74.0	-27.9	1.26 H	194	35.1	11.0
2	11910.00	36.2 AV	54.0	-17.8	1.26 H	194	25.2	11.0
3	17865.00	47.2 PK	74.0	-26.8	1.13 H	174	25.9	21.3
4	17865.00	33.5 AV	54.0	-20.5	1.13 H	174	12.2	21.3
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	11910.00	45.8 PK	74.0	-28.2	1.24 V	210	34.8	11.0
2	11910.00	35.8 AV	54.0	-18.2	1.24 V	210	24.8	11.0
3	17865.00	47.3 PK	74.0	-26.7	1.11 V	187	26.0	21.3
4	17865.00	33.8 AV	54.0	-20.2	1.11 V	187	12.5	21.3

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.

under control of standard power AP

Mode A

2Tx

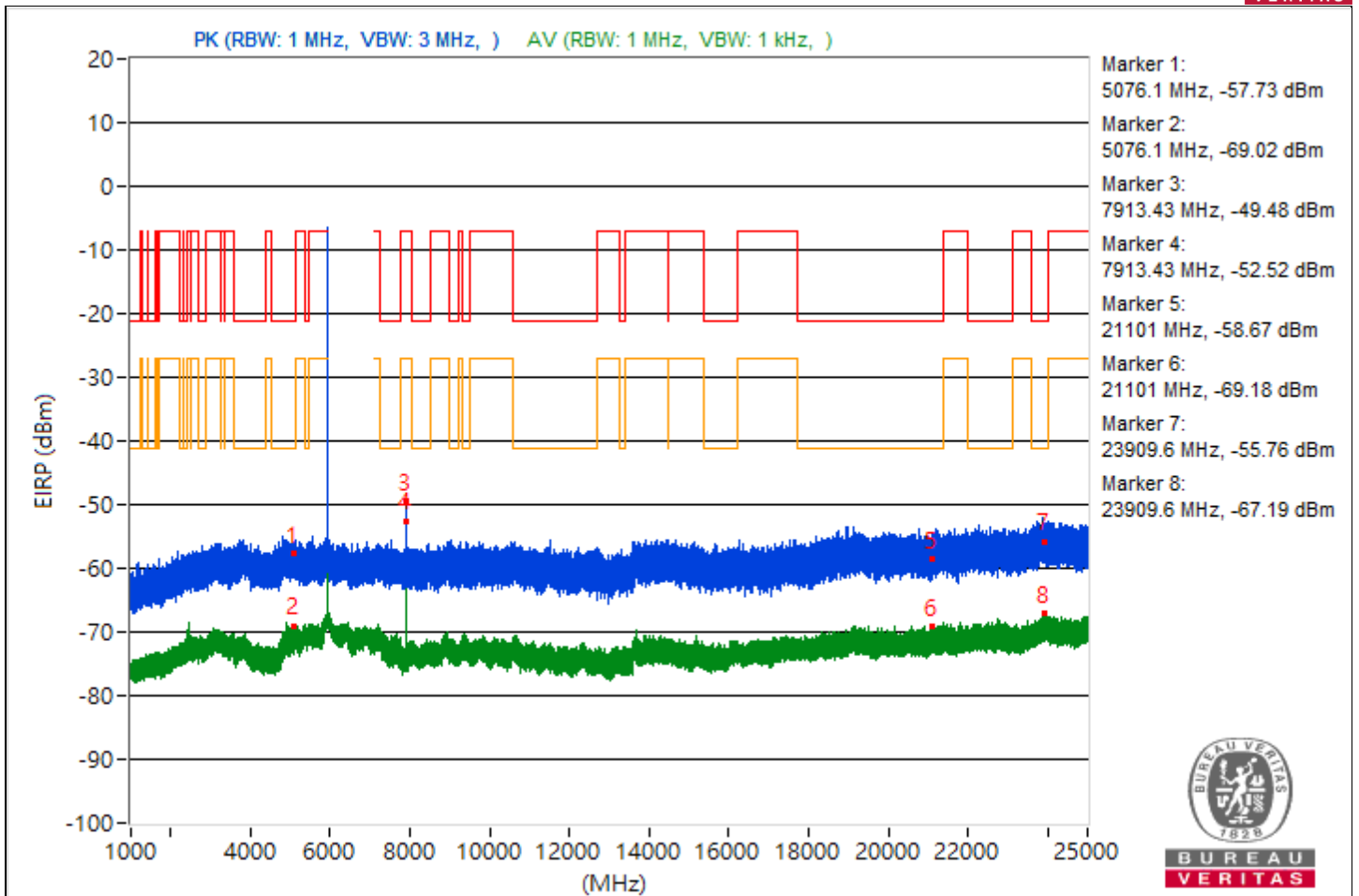
Conducted Unwanted Emissions

RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

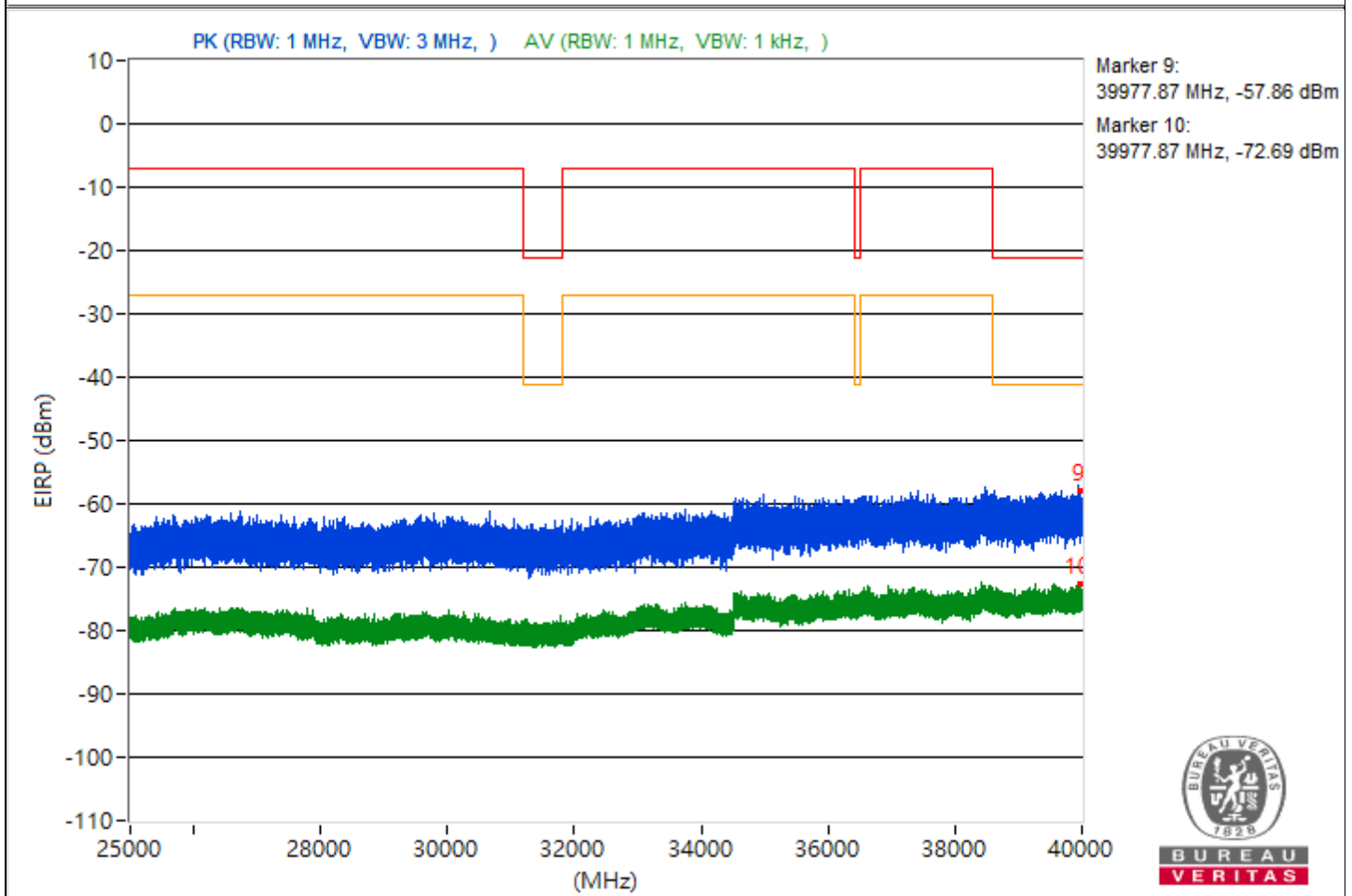
Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5076.1	37.53 PK	74	-36.47	-68.15	-69.84	8.17	-57.73
2	5076.1	26.24 AV	54	-27.76	-81.44	-79.24	8.17	-69.02
3	#7913.43	45.78 PK	88.26	-42.48	-62.78	-59.24	8.17	-49.48
4	#7913.43	42.74 AV	68.26	-25.52	-65.53	-62.42	8.17	-52.52
5	21101	36.59 PK	74	-37.41	-70.2	-69.54	8.17	-58.67
6	21101	26.08 AV	54	-27.92	-81.86	-79.25	8.17	-69.18
7	23909.6	39.5 PK	74	-34.5	-65.24	-69.76	8.17	-55.76
8	23909.6	28.07 AV	54	-25.93	-79.55	-77.44	8.17	-67.19
9	39977.87	37.4 PK	74	-36.6	-66.63	-74.91	8.17	-57.86
10	39977.87	22.57 AV	54	-31.43	-87.35	-81.96	8.17	-72.69

Notes:

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



**BUREAU
VERITAS**

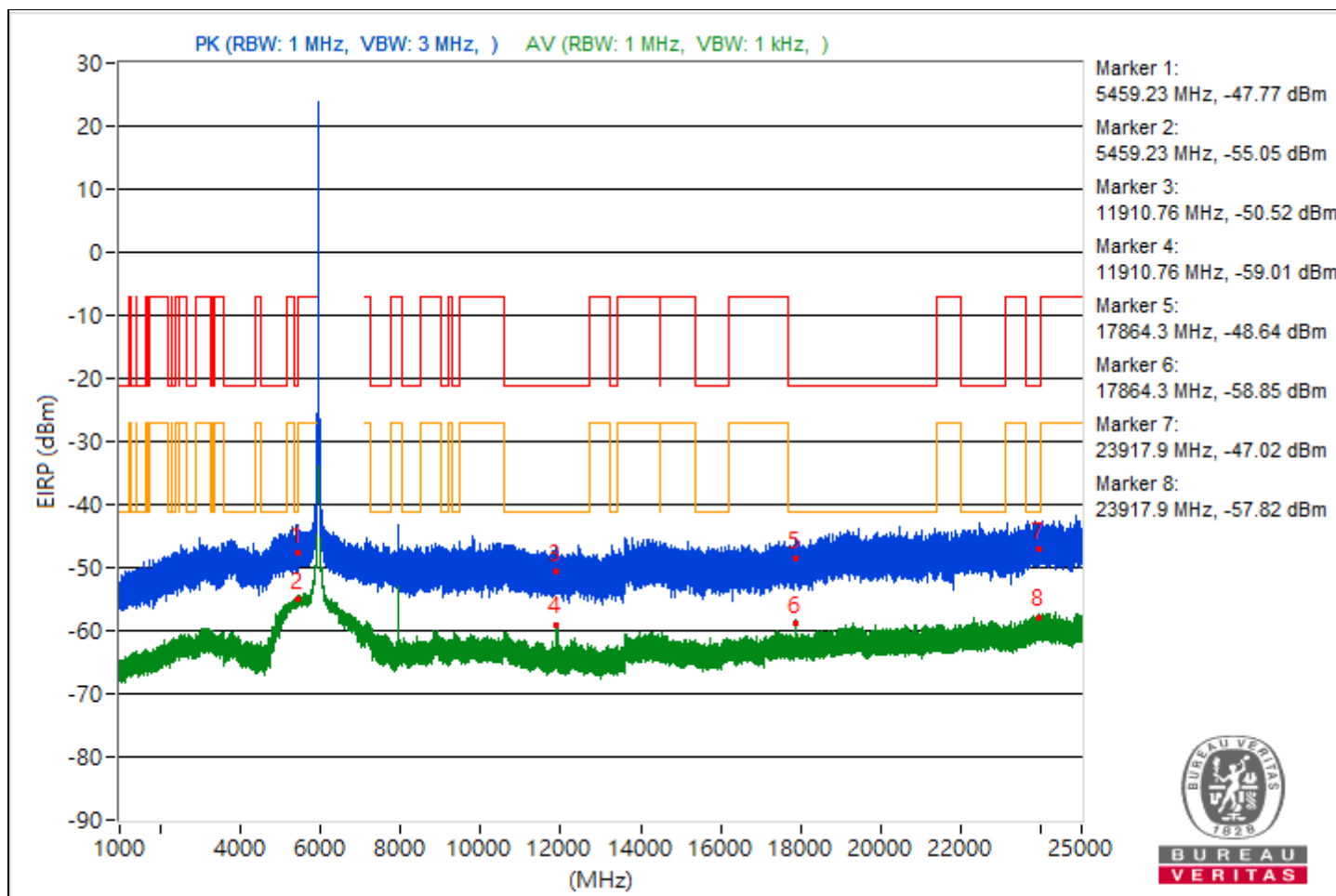


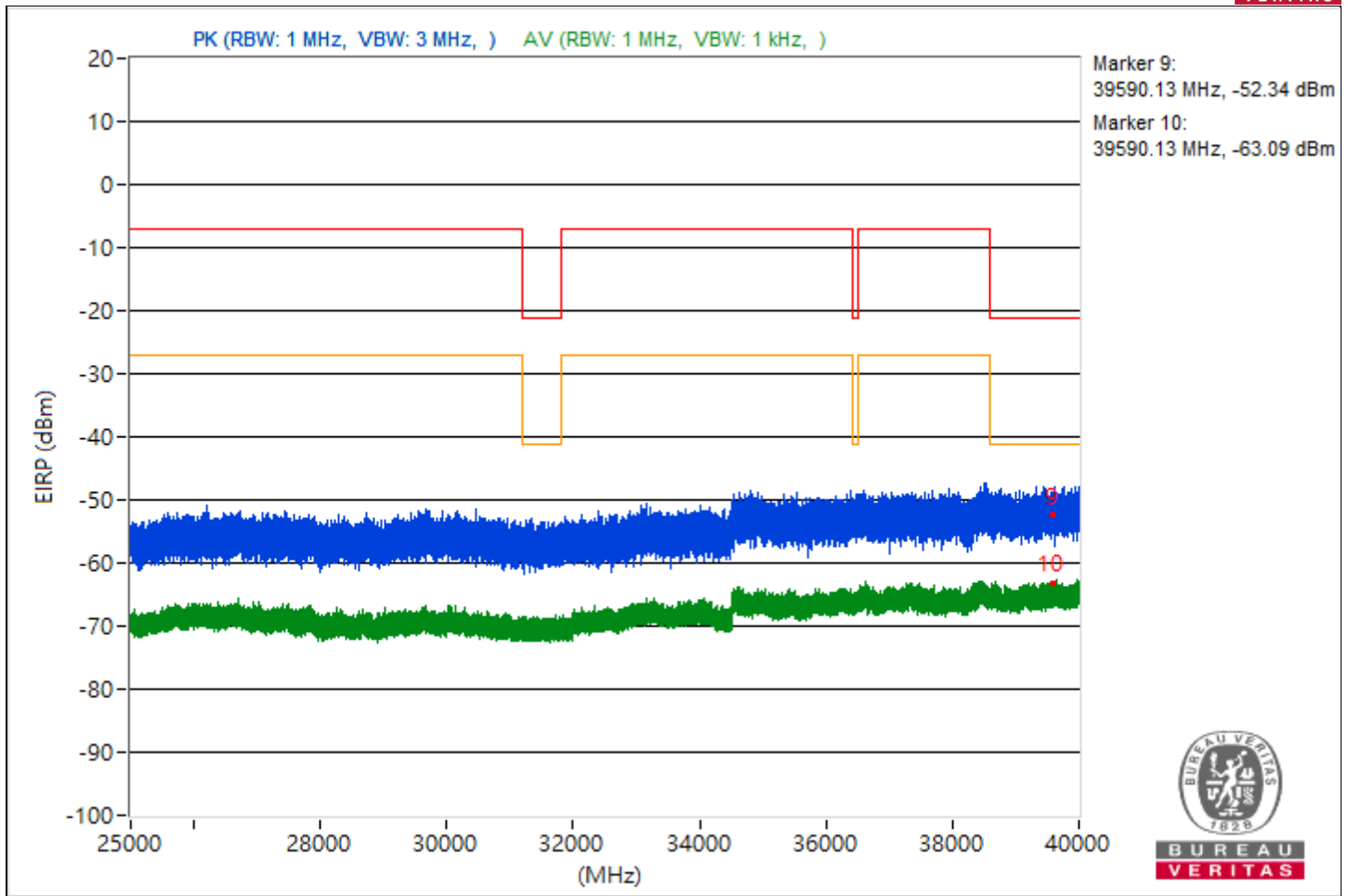
**BUREAU
VERITAS**

RF Mode	802.11be (EHT20)	Channel	CH 1 : 5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% 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	5459.23	47.49 PK	74	-26.51	-59.77	-58.27	8.17	-47.77
2	5459.23	40.21 AV	54	-13.79	-65.96	-66.52	8.17	-55.05
3	11910.76	44.74 PK	74	-29.26	-60.64	-63.12	8.17	-50.52
4	11910.76	36.25 AV	54	-17.75	-71.68	-69.08	8.17	-59.01
5	17864.3	46.62 PK	74	-27.38	-59	-60.83	8.17	-48.64
6	17864.3	36.41 AV	54	-17.59	-75.87	-67.62	8.17	-58.85
7	23917.9	48.24 PK	74	-25.76	-58.48	-57.94	8.17	-47.02
8	23917.9	37.44 AV	54	-16.56	-67.83	-70.6	8.17	-57.82
9	39590.13	42.92 PK	74	-31.08	-63.34	-63.7	8.17	-52.34
10	39590.13	32.17 AV	54	-21.83	-72.83	-76.43	8.17	-63.09

Note: Margin value = Emission Level - Limit value

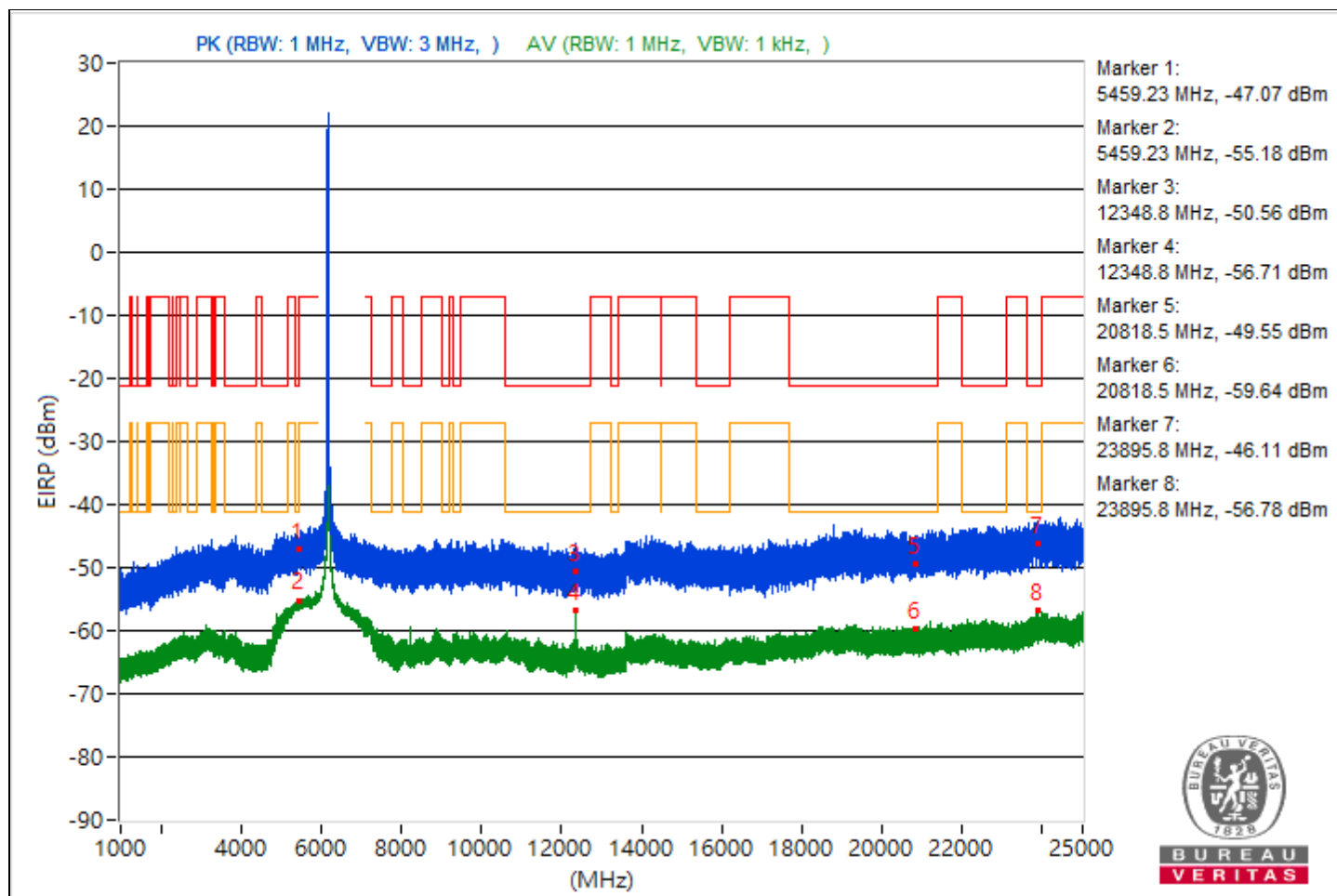


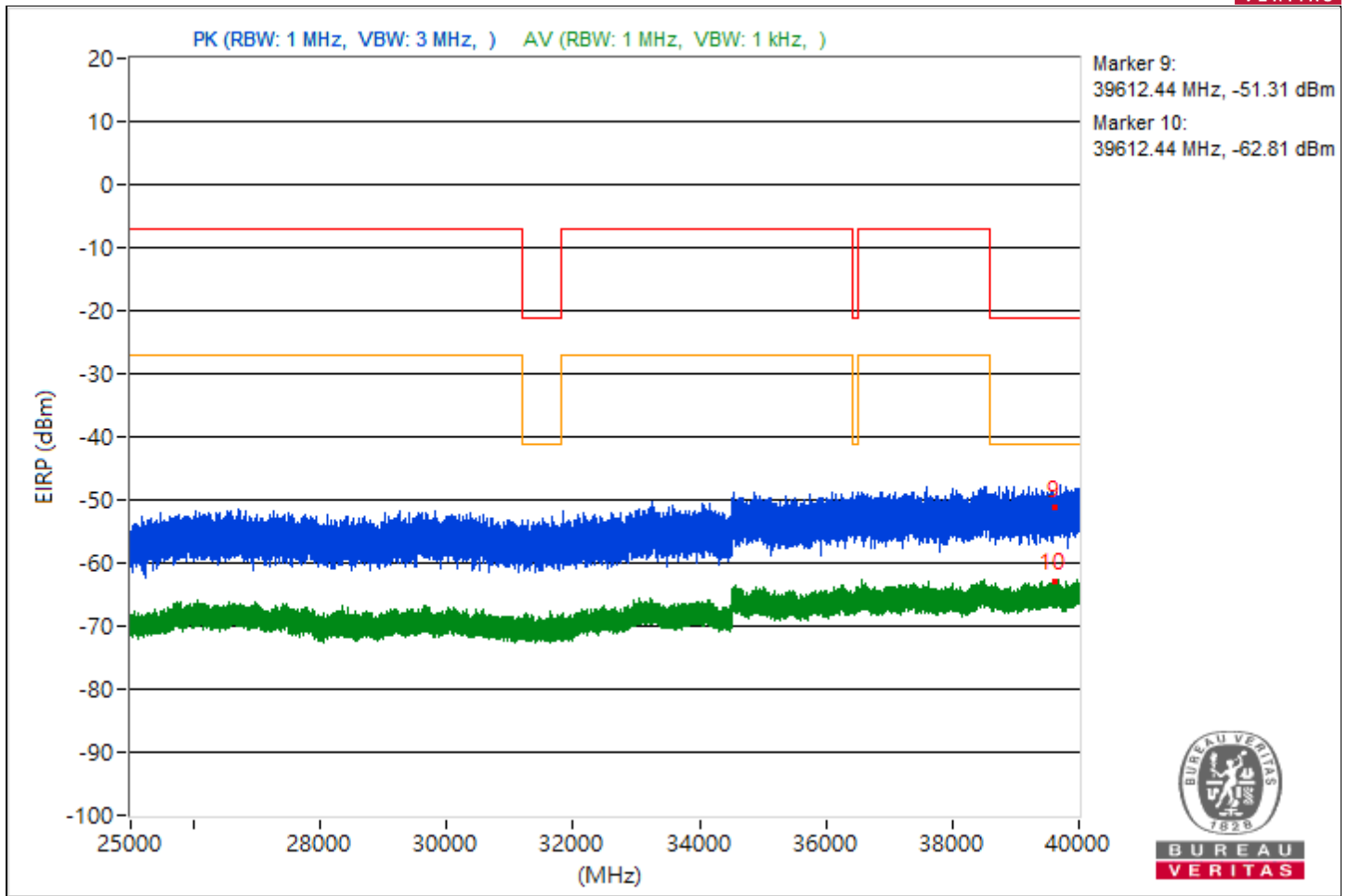


RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	5459.23	48.19 PK	74	-25.81	-59.08	-57.55	8.17	-47.07
2	5459.23	40.08 AV	54	-13.92	-66.21	-66.53	8.17	-55.18
3	12348.8	44.7 PK	74	-29.3	-61.95	-61.54	8.17	-50.56
4	12348.8	38.55 AV	54	-15.45	-68.28	-67.54	8.17	-56.71
5	20818.5	45.71 PK	74	-28.29	-60.23	-61.29	8.17	-49.55
6	20818.5	35.62 AV	54	-18.38	-69.3	-73.18	8.17	-59.64
7	23895.8	49.15 PK	74	-24.85	-57	-57.61	8.17	-46.11
8	23895.8	38.48 AV	54	-15.52	-67.13	-69	8.17	-56.78
9	39612.44	43.95 PK	74	-30.05	-63.1	-61.96	8.17	-51.31
10	39612.44	32.45 AV	54	-21.55	-72.85	-75.56	8.17	-62.81

Note: Margin value = Emission Level - Limit value

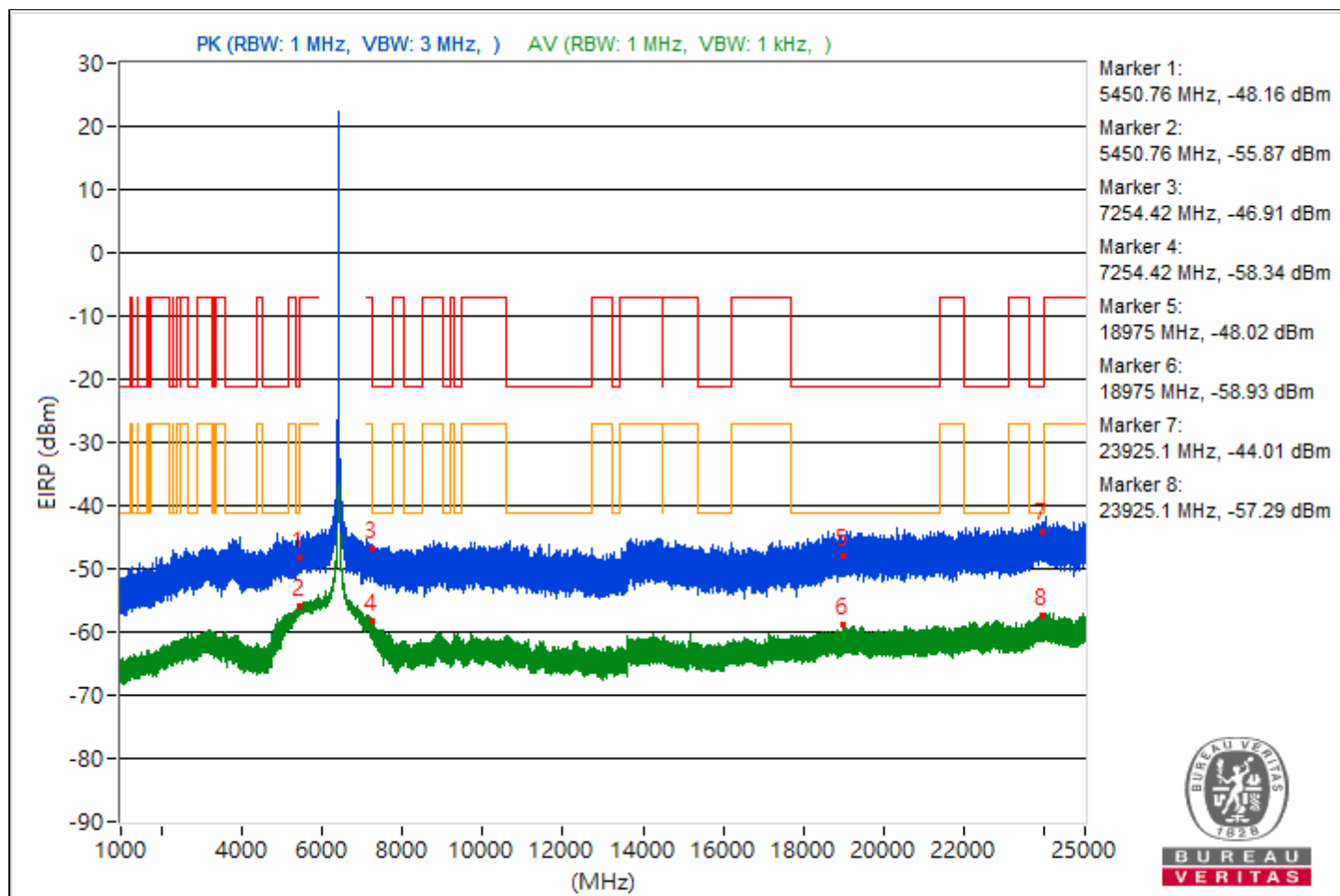


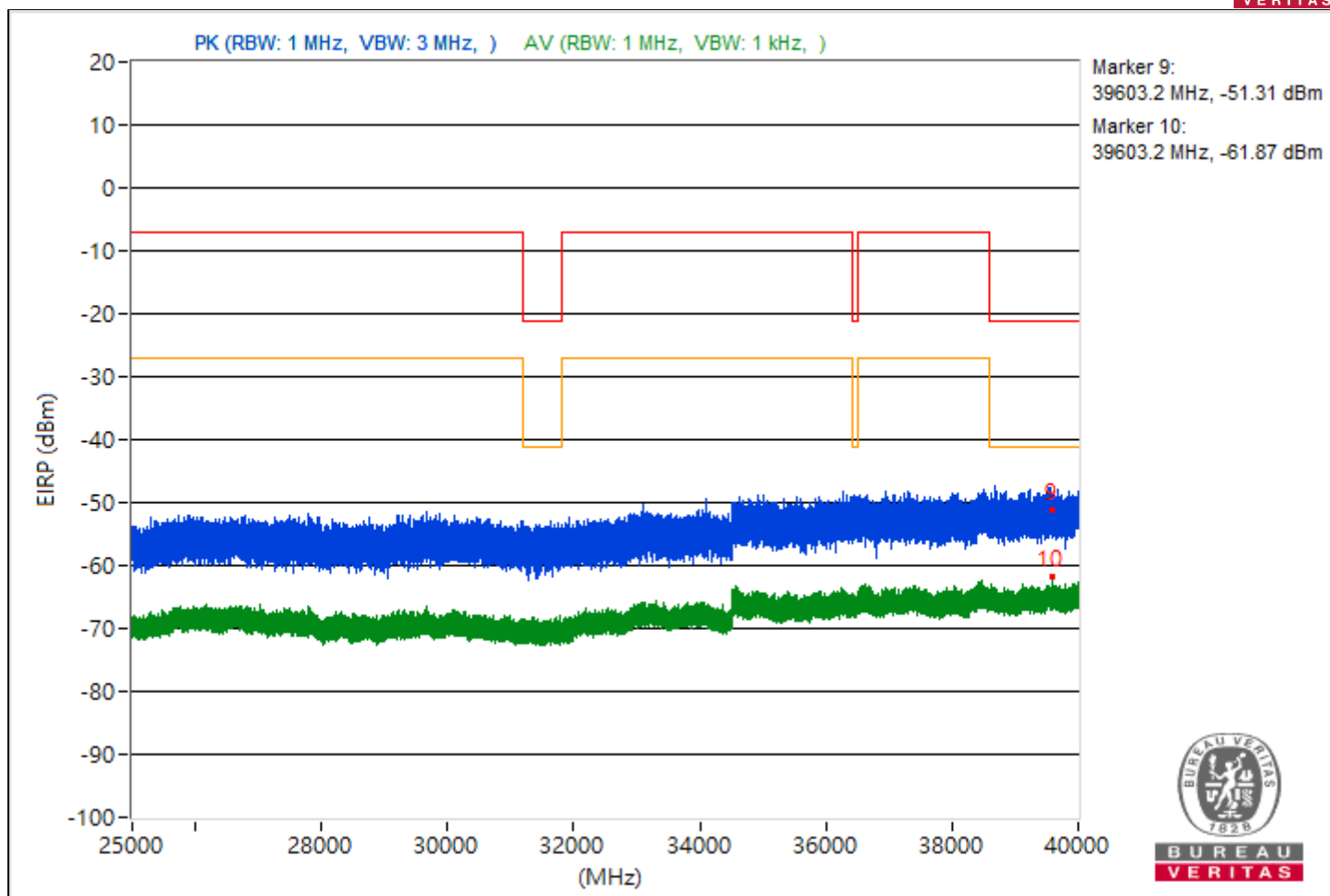


RF Mode	802.11be (EHT20)	Channel	CH 93 : 6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	5450.76	47.1 PK	74	-26.9	-59.8	-58.92	8.17	-48.16
2	5450.76	39.39 AV	54	-14.61	-67.51	-66.64	8.17	-55.87
3	7254.42	48.35 PK	74	-25.65	-57.75	-58.44	8.17	-46.91
4	7254.42	36.92 AV	54	-17.08	-69.32	-69.74	8.17	-58.34
5	18975	47.24 PK	74	-26.76	-61.3	-57.78	8.17	-48.02
6	18975	36.33 AV	54	-17.67	-71.59	-69.01	8.17	-58.93
7	23925.1	51.25 PK	74	-22.75	-56	-54.5	8.17	-44.01
8	23925.1	37.97 AV	54	-16.03	-67.66	-69.46	8.17	-57.29
9	39603.2	43.95 PK	74	-30.05	-61.37	-63.99	8.17	-51.31
10	39603.2	33.39 AV	54	-20.61	-72.28	-73.98	8.17	-61.87

Note: Margin value = Emission Level - Limit value

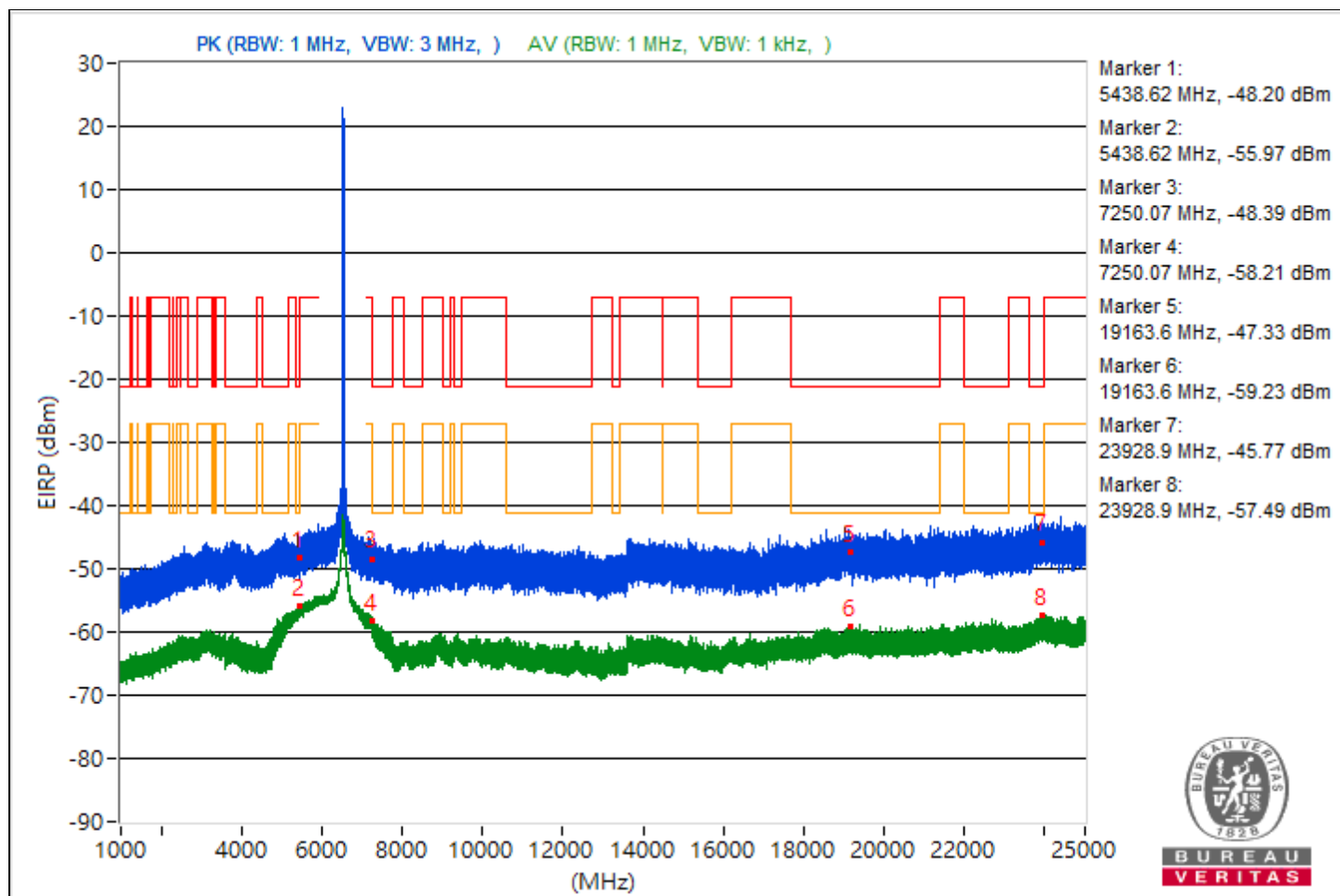


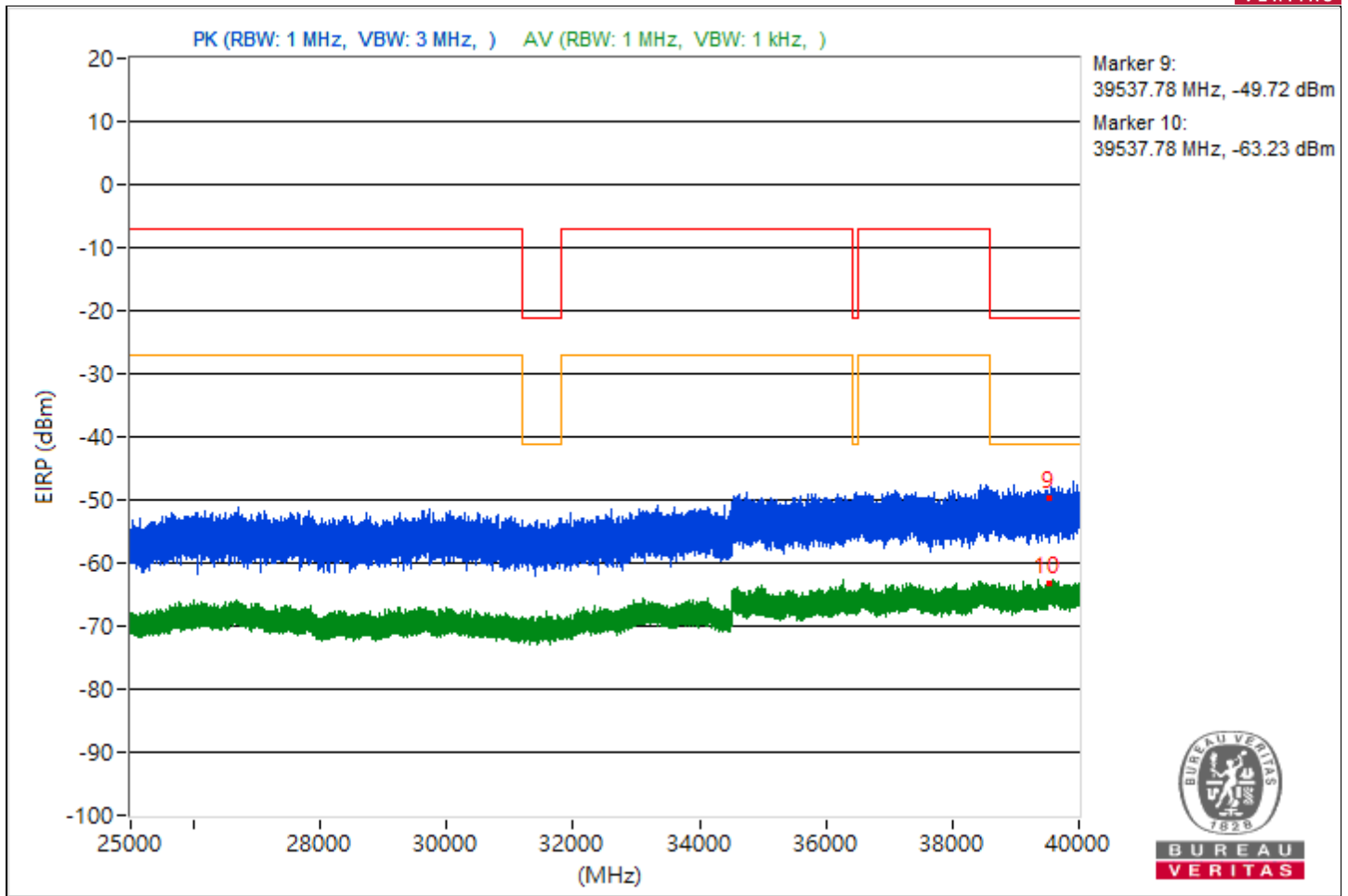


RF Mode	802.11be (EHT20)	Channel	CH 117 : 6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	5438.62	47.06 PK	74	-26.94	-58.82	-60.03	8.17	-48.2
2	5438.62	39.29 AV	54	-14.71	-67.81	-66.57	8.17	-55.97
3	7250.07	46.87 PK	74	-27.13	-60.33	-58.92	8.17	-48.39
4	7250.07	37.05 AV	54	-16.95	-67.92	-71.62	8.17	-58.21
5	19163.6	47.93 PK	74	-26.07	-57.31	-60.17	8.17	-47.33
6	19163.6	36.03 AV	54	-17.97	-72.42	-69.04	8.17	-59.23
7	23928.9	49.49 PK	74	-24.51	-57.35	-56.59	8.17	-45.77
8	23928.9	37.77 AV	54	-16.23	-67.73	-69.88	8.17	-57.49
9	39537.78	45.54 PK	74	-28.46	-60.46	-61.4	8.17	-49.72
10	39537.78	32.03 AV	54	-21.97	-77.06	-72.79	8.17	-63.23

Note: Margin value = Emission Level - Limit value

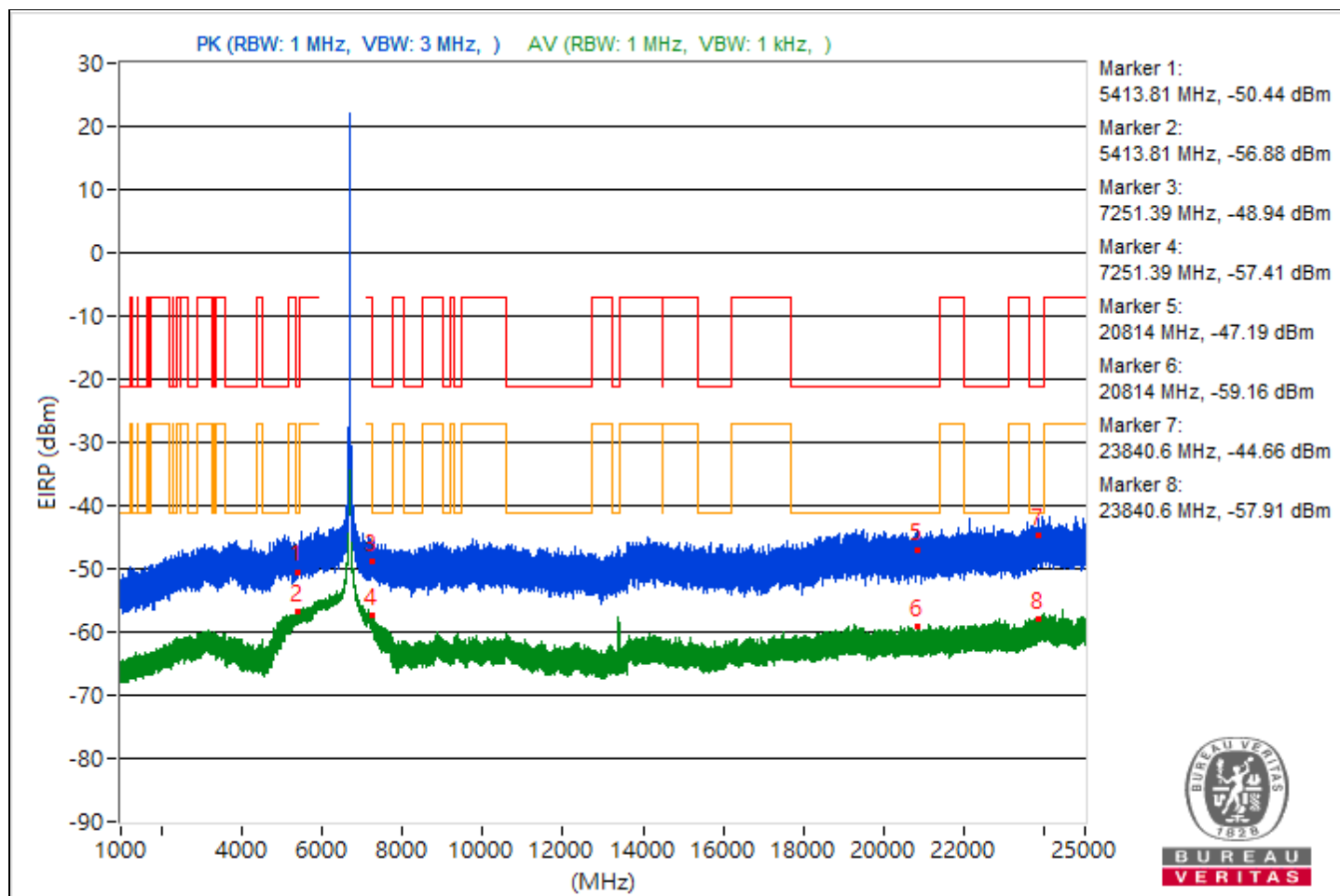


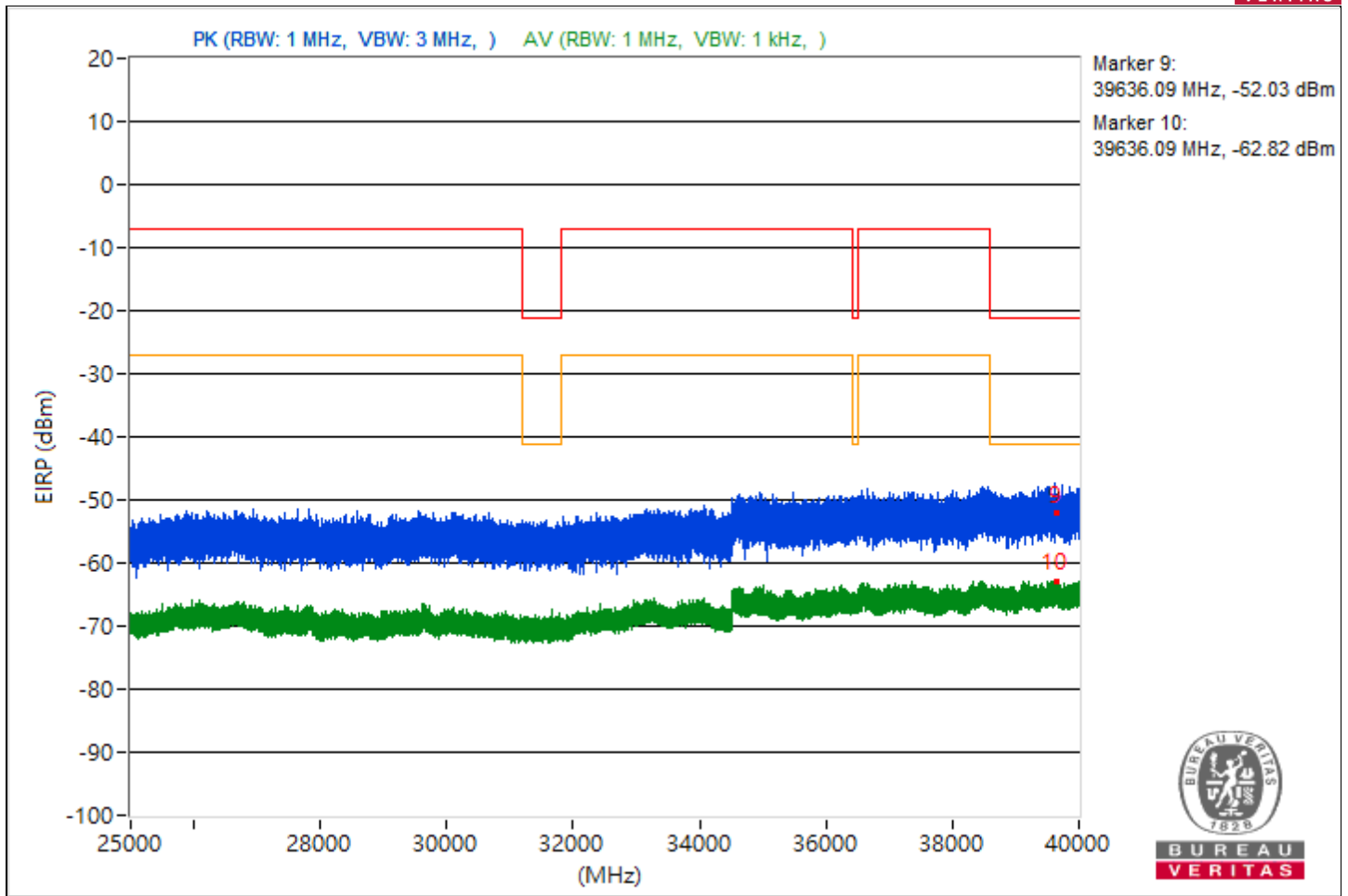


RF Mode	802.11be (EHT20)	Channel	CH 149 : 6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	5413.81	44.82 PK	74	-29.18	-60.23	-63.69	8.17	-50.44
2	5413.81	38.38 AV	54	-15.62	-68.87	-67.38	8.17	-56.88
3	7251.39	46.32 PK	74	-27.68	-58.74	-62.16	8.17	-48.94
4	7251.39	37.85 AV	54	-16.15	-66.98	-71.16	8.17	-57.41
5	20814	48.07 PK	74	-25.93	-58.26	-58.48	8.17	-47.19
6	20814	36.1 AV	54	-17.9	-72.52	-68.9	8.17	-59.16
7	23840.6	50.6 PK	74	-23.4	-55.19	-56.6	8.17	-44.66
8	23840.6	37.35 AV	54	-16.65	-71.36	-67.61	8.17	-57.91
9	39636.09	43.23 PK	74	-30.77	-60.97	-68.07	8.17	-52.03
10	39636.09	32.44 AV	54	-21.56	-72.23	-77.06	8.17	-62.82

Note: Margin value = Emission Level - Limit value

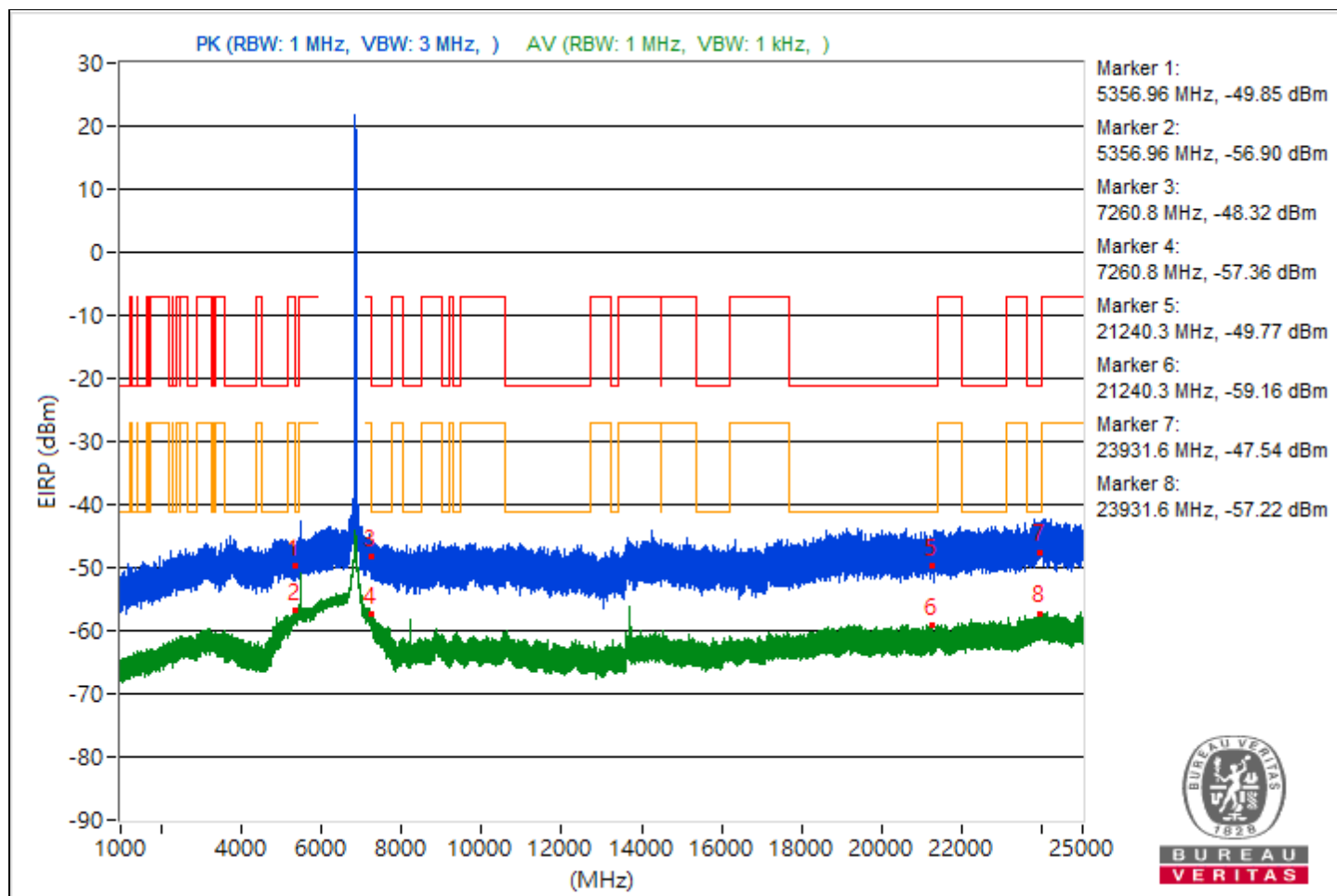


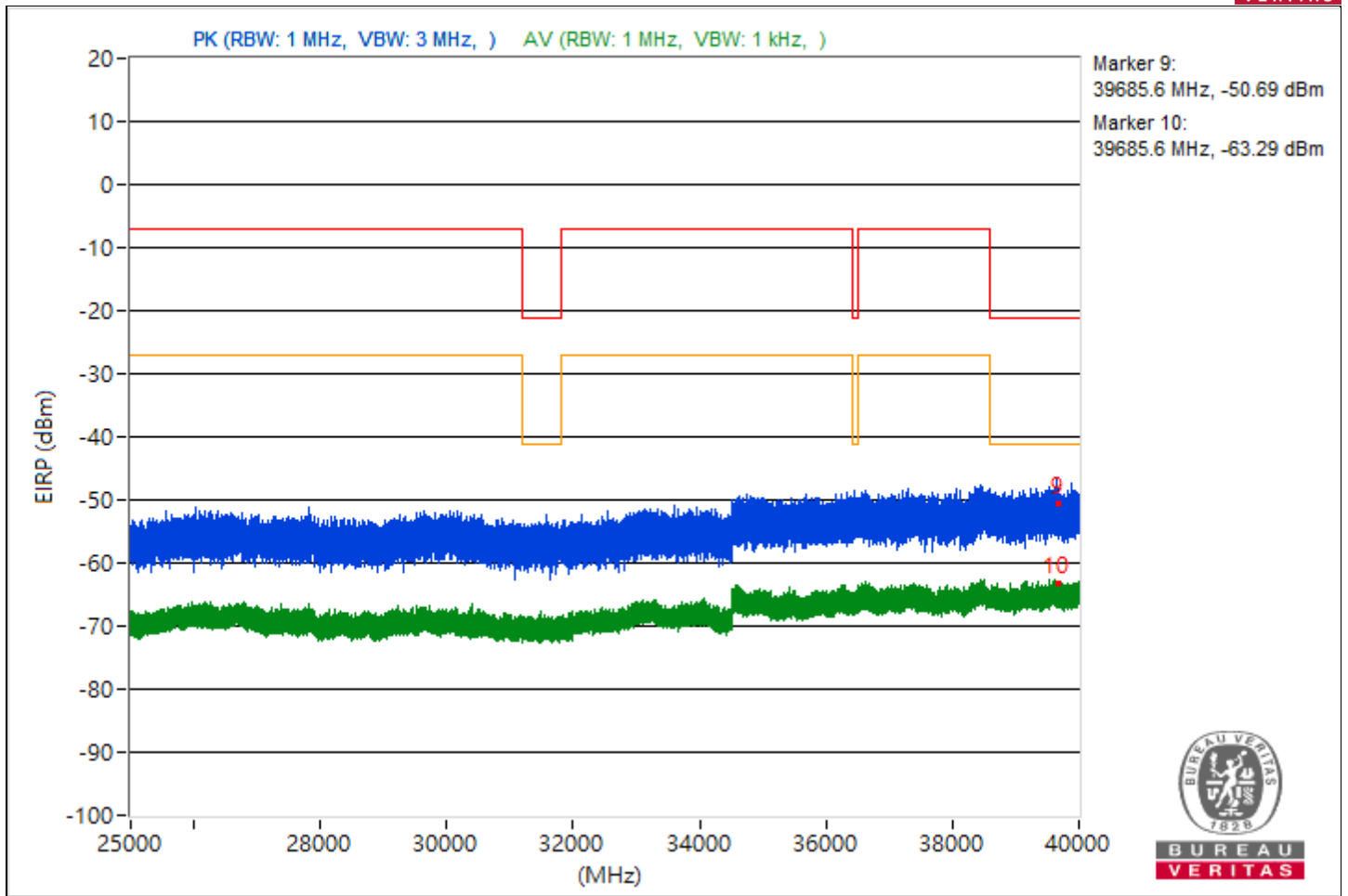


RF Mode	802.11be (EHT20)	Channel	CH 181 : 6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	5356.96	45.41 PK	74	-28.59	-60.53	-61.59	8.17	-49.85
2	5356.96	38.36 AV	54	-15.64	-68.8	-67.47	8.17	-56.9
3	7260.8	46.94 PK	74	-27.06	-58.73	-60.43	8.17	-48.32
4	7260.8	37.9 AV	54	-16.1	-67.16	-70.59	8.17	-57.36
5	21240.3	45.49 PK	74	-28.51	-61.54	-60.43	8.17	-49.77
6	21240.3	36.1 AV	54	-17.9	-71.73	-69.29	8.17	-59.16
7	23931.6	47.72 PK	74	-26.28	-60.71	-57.36	8.17	-47.54
8	23931.6	38.04 AV	54	-15.96	-67.25	-69.96	8.17	-57.22
9	39685.6	44.57 PK	74	-29.43	-60.95	-63.04	8.17	-50.69
10	39685.6	31.97 AV	54	-22.03	-76.82	-72.95	8.17	-63.29

Note: Margin value = Emission Level - Limit value

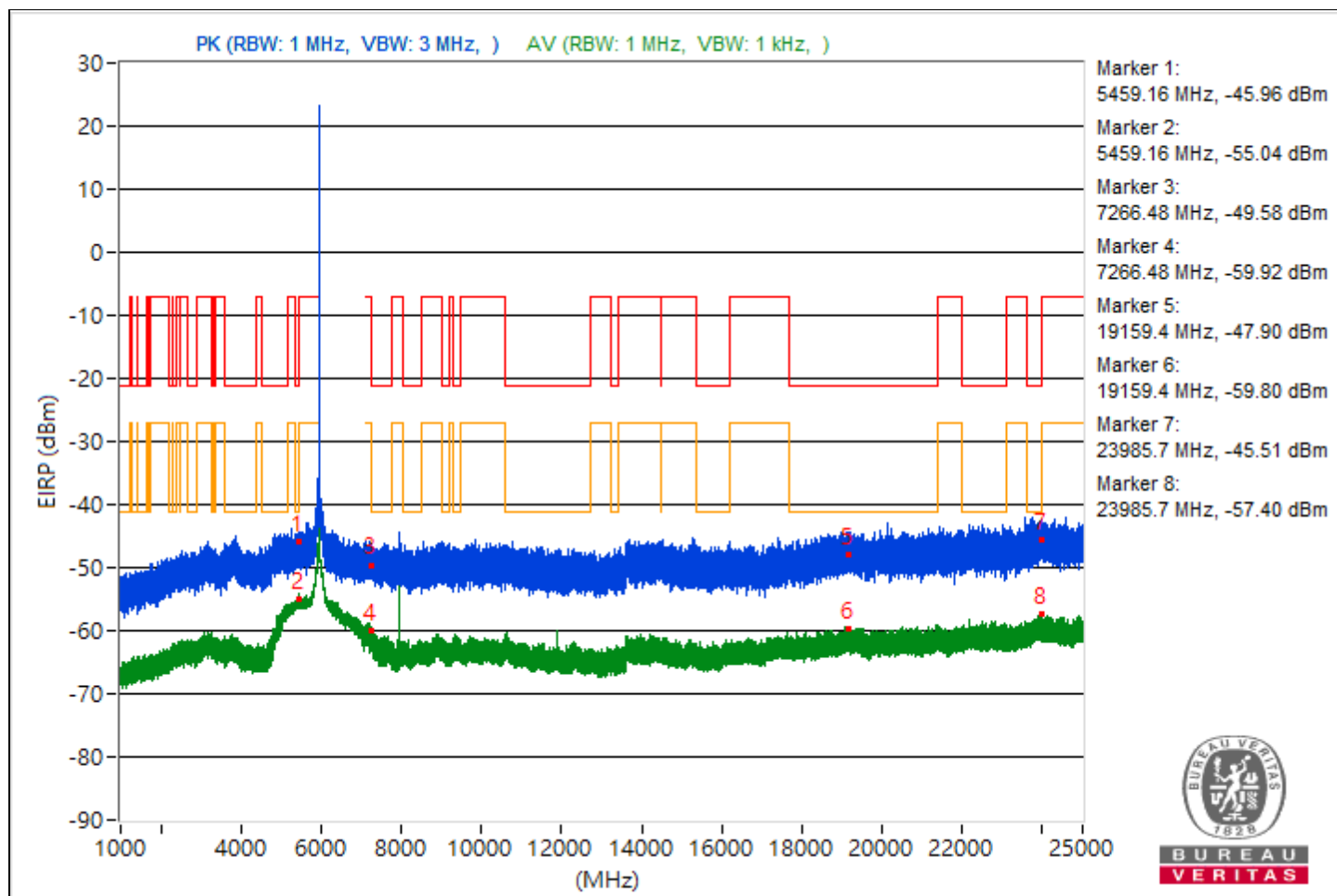


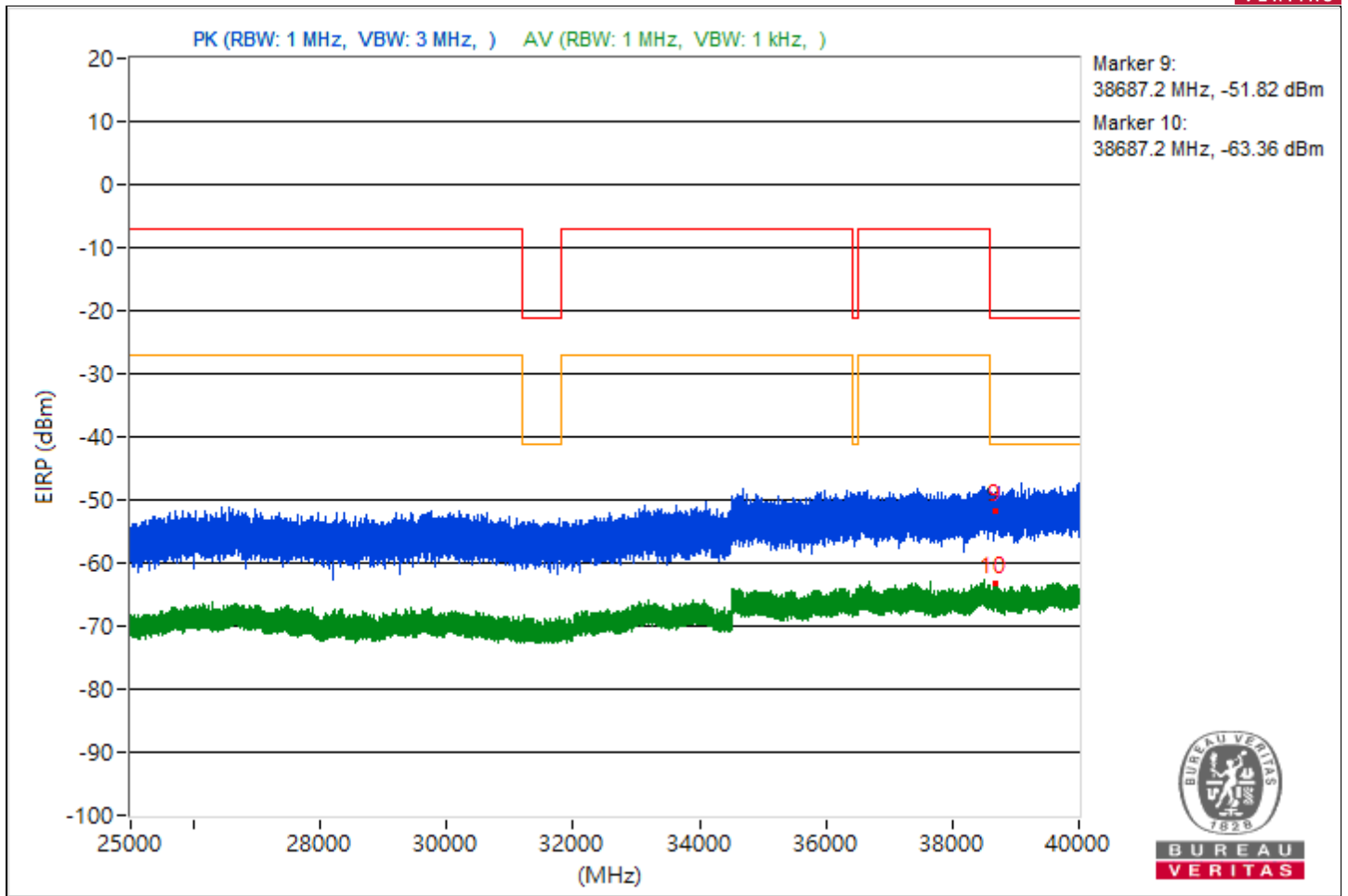


RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 1 : 5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	5459.16	49.3 PK	74	-24.7	-57.66	-56.68	8.17	-45.96
2	5459.16	40.22 AV	54	-13.78	-65.74	-66.76	8.17	-55.04
3	7266.48	45.68 PK	74	-28.32	-60.12	-61.52	8.17	-49.58
4	7266.48	35.34 AV	54	-18.66	-69.09	-74.94	8.17	-59.92
5	19159.4	47.36 PK	74	-26.64	-58.97	-59.2	8.17	-47.9
6	19159.4	35.46 AV	54	-18.54	-69.16	-74.19	8.17	-59.8
7	23985.7	49.75 PK	74	-24.25	-55.96	-57.55	8.17	-45.51
8	23985.7	37.86 AV	54	-16.14	-69.52	-67.81	8.17	-57.4
9	38687.2	43.44 PK	74	-30.56	-64.36	-61.96	8.17	-51.82
10	38687.2	31.9 AV	54	-22.1	-72.95	-77.09	8.17	-63.36

Note: Margin value = Emission Level - Limit value





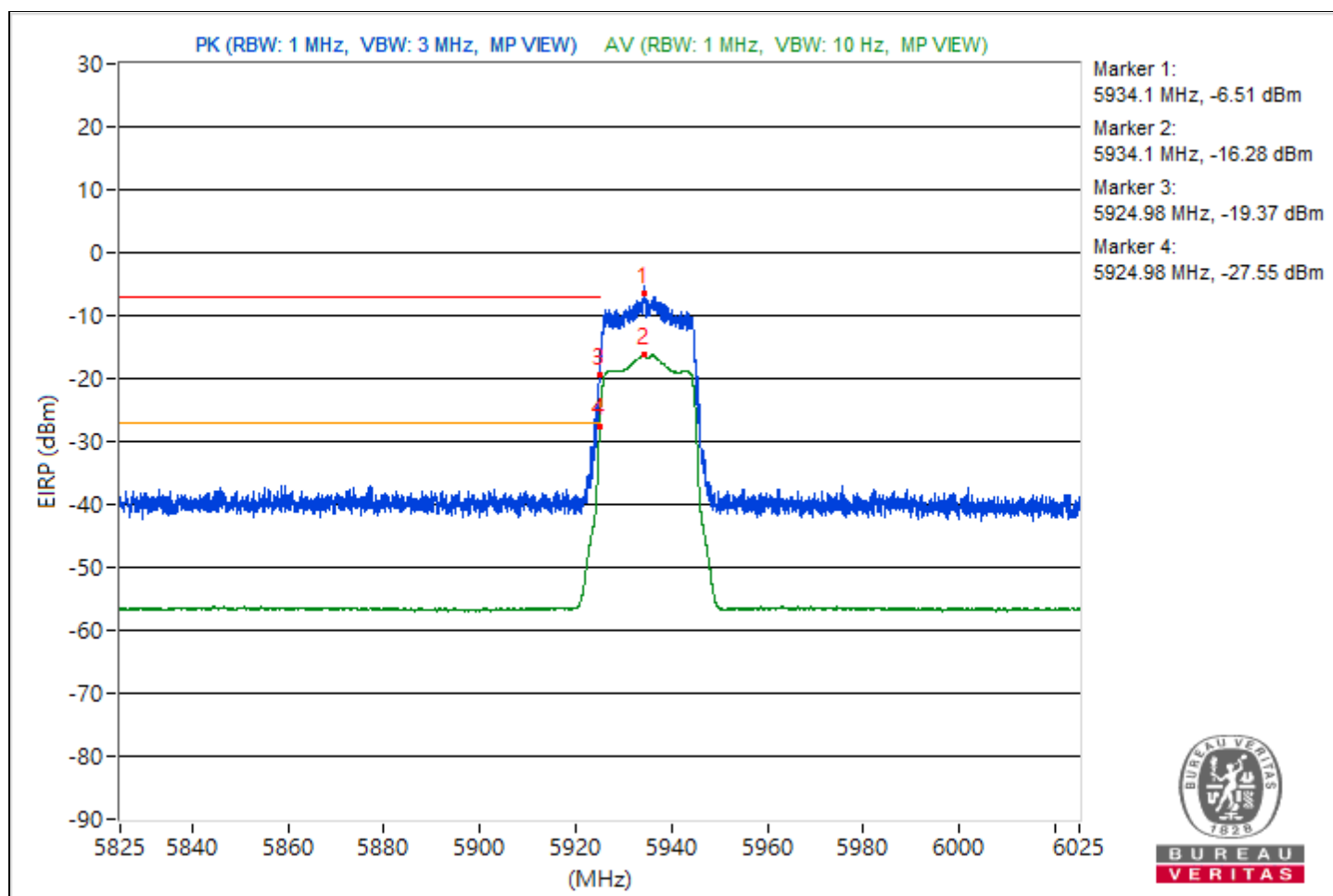
Conducted Band Edges

RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 MHz
Frequency Range	5.825 GHz ~ 6.025 GHz	Environmental Conditions	26°C, 66% 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	*5934.1	88.75 PK			-16.54	-19.19	8.15	-6.51
2	*5934.1	78.98 AV			-28.4	-26.65	8.15	-16.28
3	#5924.98	75.89 PK	88.26	-12.37	-30.4	-30.66	8.15	-19.37
4	#5924.98	67.71 AV	68.26	-0.55	-39.94	-37.75	8.15	-27.55

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.

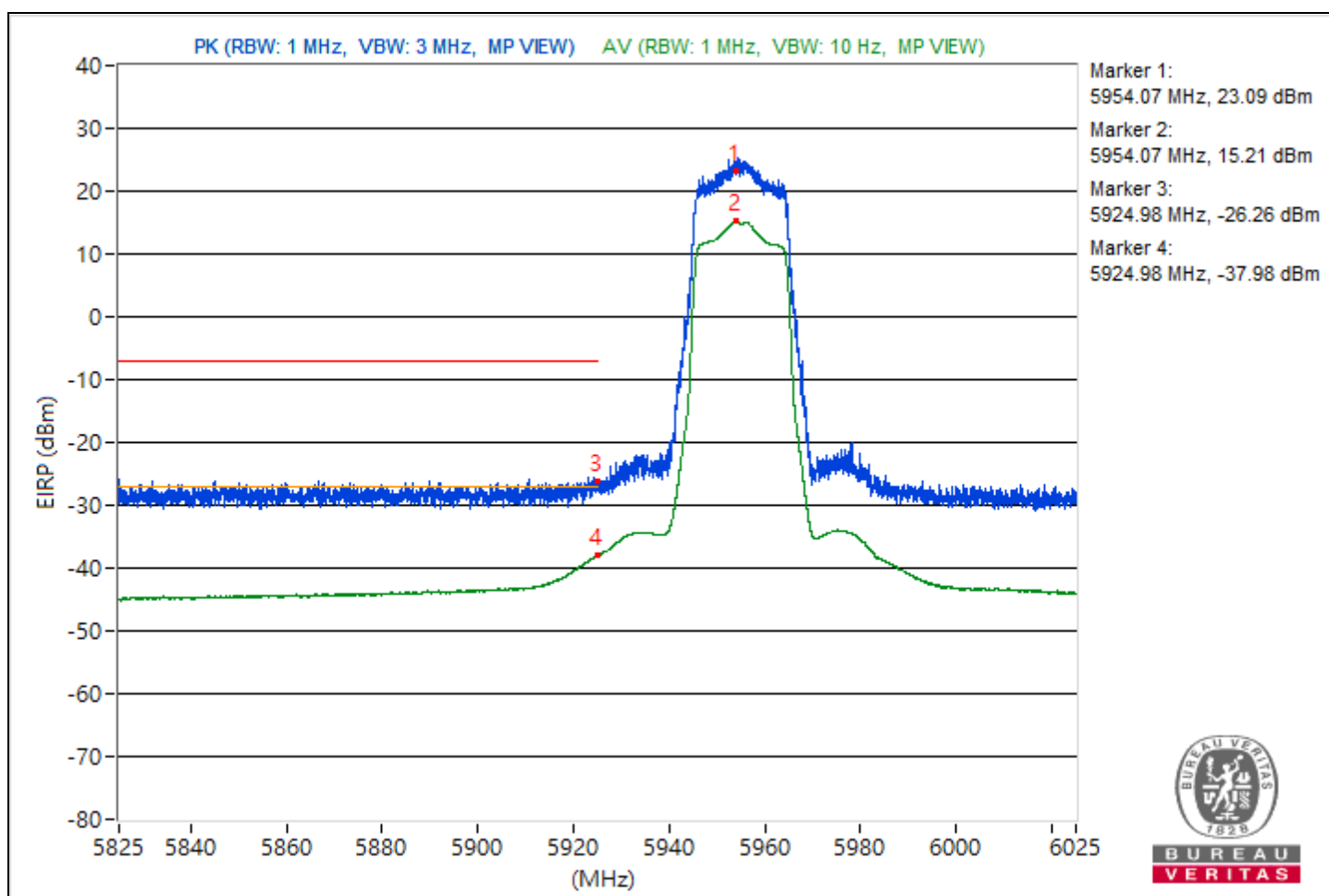


RF Mode	802.11be (EHT20)	Channel	CH 1 : 5955 MHz
Frequency Range	5.825 GHz ~ 6.025 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	*5954.07	118.35 PK			10.92	12.75	8.15	23.09
2	*5954.07	110.47 AV			3.99	4.1	8.15	15.21
3	#5924.98	69 PK	88.26	-19.26	-38.64	-36.46	8.15	-26.26
4	#5924.98	57.28 AV	68.26	-10.98	-49.1	-49.18	8.15	-37.98

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.

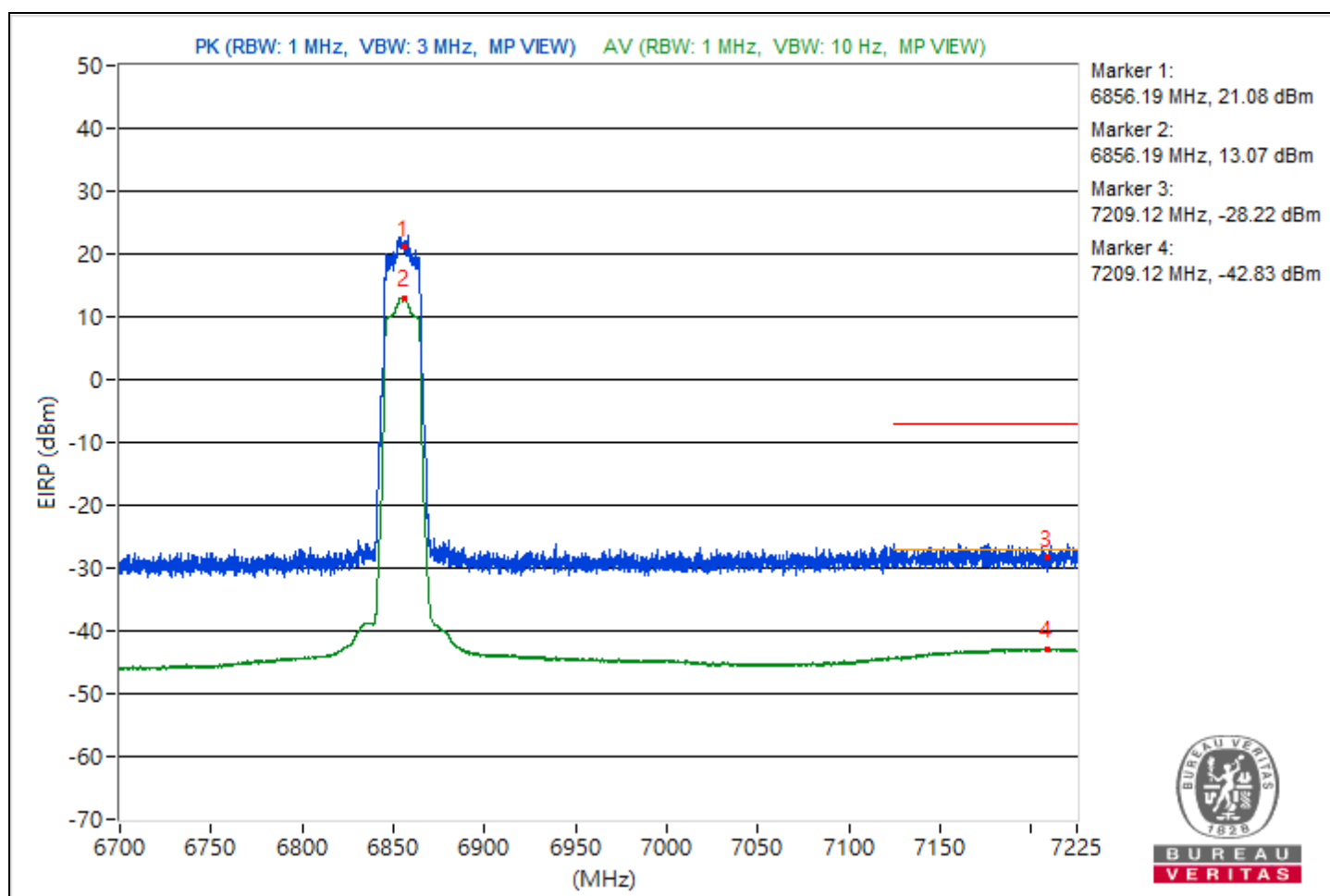


RF Mode	802.11be (EHT20)	Channel	CH 181 : 6855 MHz
Frequency Range	6.7 GHz ~ 7.225 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	*6856.19	116.34 PK			9.25	10.47	8.17	21.08
2	*6856.19	108.33 AV			1.81	1.96	8.17	13.07
3	#7209.12	67.04 PK	88.26	-21.22	-39.54	-39.26	8.17	-28.22
4	#7209.12	52.43 AV	68.26	-15.83	-54.15	-53.88	8.17	-42.83

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.

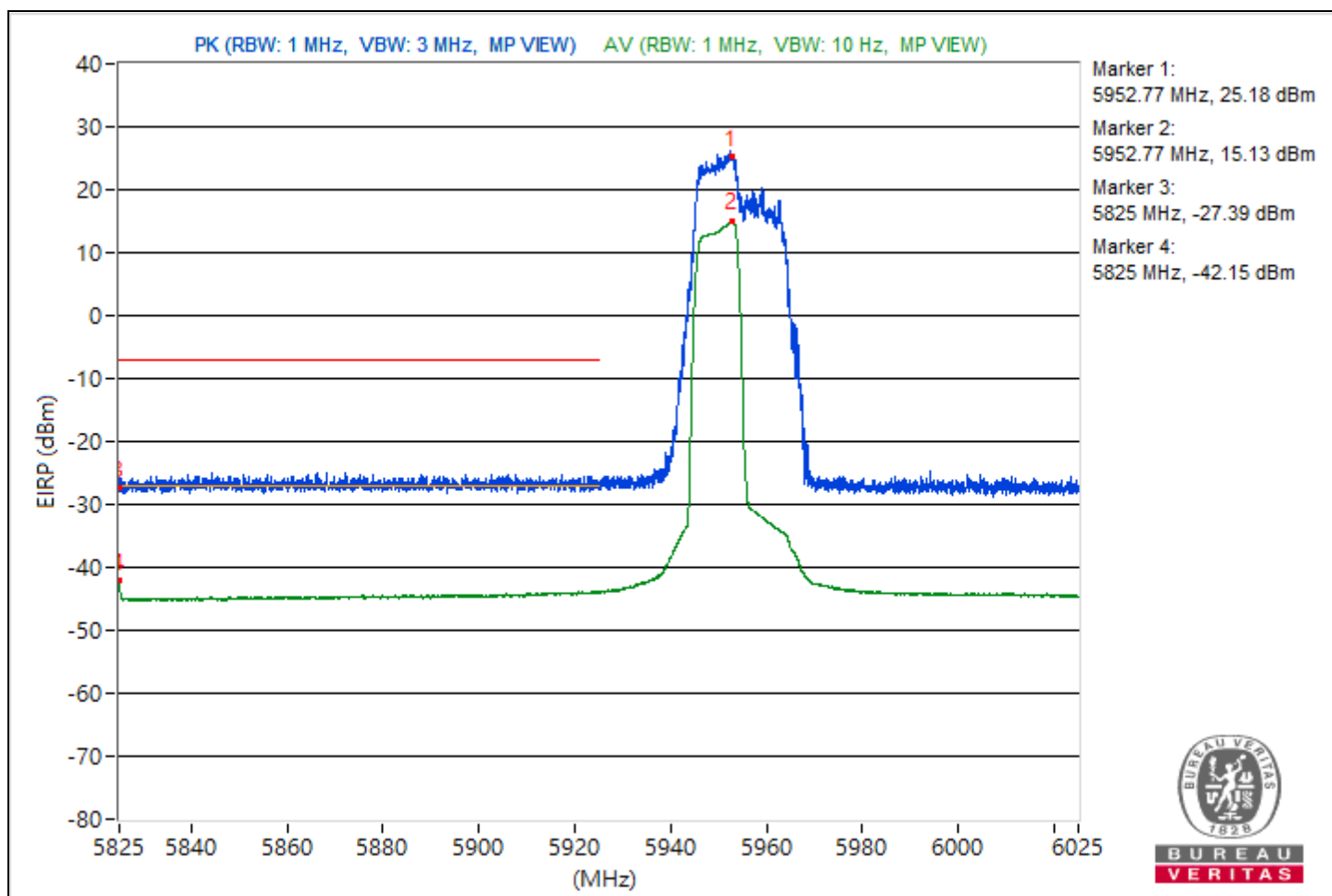


RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 1 : 5955 MHz
Frequency Range	5.825 GHz ~ 6.025 GHz	Environmental Conditions	26°C, 66% RH
Tested By	Dolly Chung		

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	*5952.77	120.44 PK			13.35	14.61	8.15	25.18
2	*5952.77	110.39 AV			3.6	4.32	8.15	15.13
3	#5825	67.87 PK	88.26	-20.39	-38.66	-38.45	8.15	-27.39
4	#5825	53.11 AV	68.26	-15.15	-51.52	-56.42	8.15	-42.15

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, 71% RH
Tested By	Louis Yang		

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	11920.00	46.2 PK	74.0	-27.8	1.16 H	221	35.2	11.0
2	11920.00	36.0 AV	54.0	-18.0	1.16 H	221	25.0	11.0
3	17880.00	47.8 PK	74.0	-26.2	1.16 H	223	26.1	21.7
4	17880.00	34.3 AV	54.0	-19.7	1.16 H	223	12.6	21.7
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	11920.00	45.9 PK	74.0	-28.1	1.22 V	206	34.9	11.0
2	11920.00	36.0 AV	54.0	-18.0	1.22 V	206	25.0	11.0
3	17880.00	47.4 PK	74.0	-26.6	1.14 V	196	25.7	21.7
4	17880.00	34.2 AV	54.0	-19.8	1.14 V	196	12.5	21.7

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 (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, 71% RH
Tested By	Louis Yang		

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	45.9 PK	74.0	-28.1	1.14 H	218	34.9	11.0
2	11910.00	36.1 AV	54.0	-17.9	1.14 H	218	25.1	11.0
3	17865.00	47.3 PK	74.0	-26.7	1.22 H	212	26.0	21.3
4	17865.00	34.0 AV	54.0	-20.0	1.22 H	212	12.7	21.3
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	11910.00	45.8 PK	74.0	-28.2	1.22 V	210	34.8	11.0
2	11910.00	35.8 AV	54.0	-18.2	1.22 V	210	24.8	11.0
3	17865.00	47.1 PK	74.0	-26.9	1.22 V	212	25.8	21.3
4	17865.00	34.0 AV	54.0	-20.0	1.22 V	212	12.7	21.3

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.

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, 71% RH
Tested By	Louis Yang		

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	46.3 PK	74.0	-27.7	1.22 H	227	35.3	11.0
2	12350.00	36.5 AV	54.0	-17.5	1.22 H	227	25.5	11.0
3	18525.00	47.1 PK	74.0	-26.9	1.20 H	223	51.8	-4.7
4	18525.00	34.0 AV	54.0	-20.0	1.20 H	223	38.7	-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	12350.00	45.4 PK	74.0	-28.6	1.12 V	197	34.4	11.0
2	12350.00	35.2 AV	54.0	-18.8	1.12 V	197	24.2	11.0
3	18525.00	47.0 PK	74.0	-27.0	1.16 V	217	51.7	-4.7
4	18525.00	33.8 AV	54.0	-20.2	1.16 V	217	38.5	-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 (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, 71% RH
Tested By	Louis Yang		

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	45.2 PK	88.2	-43.0	1.15 H	216	33.9	11.3
2	#12830.00	35.6 AV	68.2	-32.6	1.15 H	216	24.3	11.3
3	19245.00	46.9 PK	74.0	-27.1	1.16 H	216	50.9	-4.0
4	19245.00	34.0 AV	54.0	-20.0	1.16 H	216	38.0	-4.0
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	#12830.00	45.1 PK	88.2	-43.1	1.16 V	206	33.8	11.3
2	#12830.00	35.1 AV	68.2	-33.1	1.16 V	206	23.8	11.3
3	19245.00	46.8 PK	74.0	-27.2	1.17 V	220	50.8	-4.0
4	19245.00	33.6 AV	54.0	-20.4	1.17 V	220	37.6	-4.0

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 (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, 71% RH
Tested By	Louis Yang		

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	46.1 PK	88.2	-42.1	1.23 H	214	34.1	12.0
2	#13070.00	36.0 AV	68.2	-32.2	1.23 H	214	24.0	12.0
3	19605.00	46.8 PK	74.0	-27.2	1.19 H	207	50.8	-4.0
4	19605.00	33.6 AV	54.0	-20.4	1.19 H	207	37.6	-4.0
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	#13070.00	45.5 PK	88.2	-42.7	1.19 V	196	33.5	12.0
2	#13070.00	35.5 AV	68.2	-32.7	1.19 V	196	23.5	12.0
3	19605.00	47.4 PK	74.0	-26.6	1.12 V	219	51.4	-4.0
4	19605.00	34.2 AV	54.0	-19.8	1.12 V	219	38.2	-4.0

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 (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, 71% RH
Tested By	Louis Yang		

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	45.5 PK	74.0	-28.5	1.20 H	207	32.6	12.9
2	13390.00	35.8 AV	54.0	-18.2	1.20 H	207	22.9	12.9
3	20085.00	48.0 PK	74.0	-26.0	1.21 H	205	51.4	-3.4
4	20085.00	34.5 AV	54.0	-19.5	1.21 H	205	37.9	-3.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	13390.00	45.2 PK	74.0	-28.8	1.17 V	212	32.3	12.9
2	13390.00	35.3 AV	54.0	-18.7	1.17 V	212	22.4	12.9
3	20085.00	46.9 PK	74.0	-27.1	1.15 V	224	50.3	-3.4
4	20085.00	33.6 AV	54.0	-20.4	1.15 V	224	37.0	-3.4

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 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, 71% RH
Tested By	Louis Yang		

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	45.8 PK	88.2	-42.4	1.15 H	197	31.5	14.3
2	#13710.00	35.9 AV	68.2	-32.3	1.15 H	197	21.6	14.3
3	20565.00	47.0 PK	74.0	-27.0	1.16 H	213	50.2	-3.2
4	20565.00	34.1 AV	54.0	-19.9	1.16 H	213	37.3	-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	45.9 PK	88.2	-42.3	1.18 V	212	31.6	14.3
2	#13710.00	36.0 AV	68.2	-32.2	1.18 V	212	21.7	14.3
3	20565.00	47.2 PK	74.0	-26.8	1.17 V	215	50.4	-3.2
4	20565.00	34.0 AV	54.0	-20.0	1.17 V	215	37.2	-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 (EHT20) 106-tone RU	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	23 °C, 73% RH
Tested By	Louis Yang		

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	45.8 PK	74.0	-28.2	1.30 H	180	34.8	11.0
2	11910.00	35.9 AV	54.0	-18.1	1.30 H	180	24.9	11.0
3	17865.00	47.5 PK	74.0	-26.5	1.07 H	162	26.2	21.3
4	17865.00	33.6 AV	54.0	-20.4	1.07 H	162	12.3	21.3
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	11910.00	45.5 PK	74.0	-28.5	1.28 V	195	34.5	11.0
2	11910.00	35.6 AV	54.0	-18.4	1.28 V	195	24.6	11.0
3	17865.00	47.9 PK	74.0	-26.1	1.15 V	191	26.6	21.3
4	17865.00	34.3 AV	54.0	-19.7	1.15 V	191	13.0	21.3

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.

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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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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