TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBARR-WTW-P23110067C-1
FCC ID:	RAS-MT7925B14L
Product:	2TX 11be (WiFi7) BW160 + BT/BLE Combo Card
Brand:	MediaTek
Model No.:	MT7925B14L
Received Date:	2023/11/16
Test Date:	2023/11/16 ~ 2024/3/19
Issued Date:	2024/4/19
Applicant:	MediaTek Inc.
Address:	No. 1, Dusing 1st Rd., Hsinchu Science Park, Hsinchu City, 30078 Taiwan
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / Designation Number:	723255 / TW2022

Approved by: _____ , **Date:** 2024/4/19

Wen Yu / Assistant Manager

This test report consists of 594 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The test results in the report only apply to the tested sample. The test results in this report are traceable to the national or international standards.

Prepared by : Phoenix Huang / Specialist

Table of Contents

Release Control Record

Issue No.	Description	Date Issued
RFBARR-WTW-P23110067C-1	Original release.	2024/4/19

1 Certificate

Product:	2TX 11be (WiFi7) BW160 + BT/BLE Combo Card
Brand:	MediaTek
Test Model:	MT7925B14L
Sample Status:	Engineering sample
Applicant:	MediaTek Inc.
Test Date:	2023/11/16 ~ 2024/3/19
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure:	ANSI C63.10-2013 KDB 789033 D02 General UNII Test Procedure New Rules v02r01 KDB 662911 D01 Multiple Transmitter Output v02r01

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -12.12 dB at 0.53281 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -0.9 dB at 695.66 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.08 dB at 5726.15 MHz
15.203	Antenna Requirement	Pass	Antenna connector is i-pex(MHF) not a standard connector.

Notes:

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	1050.00 Hz
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	1050.00 Hz
Occupied Bandwidth	-	1050.00 Hz
Frequency Stability	-	0.16 ppm
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.5 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	2TX 11be (WiFi7) BW160 + BT/BLE Combo Card
Brand	MediaTek
Test Model	MT7925B14L
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 1733.3 Mbps 802.11ax: up to 2401.9 Mbps 802.11be: up to 2882.4 Mbps
Operating Frequency	5.25 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 16 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 8 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 4 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160): 2
Resource Unit (RU)	Single RU: 26-tone, 52-tone, 106-tone, 242-tone, 484-tone, 996-tone, 2 * 996-tone Multi-RU (Small RU): 52-tone + 26-tone, 106-tone + 26-tone Multi-RU (Large RU): 484-tone + 242-tone, 996-tone +484-tone, 996-tone +484-tone + 242-tone
Output Power	**1S1T:** 5.25 GHz ~ 5.32 GHz : 148.252 mW (21.71 dBm) 5.5 GHz ~ 5.72 GHz : 174.985 mW (22.43 dBm) **2S2T:** 5.25 GHz ~ 5.32 GHz : 242.172 mW (23.84 dBm) 5.5 GHz ~ 5.72 GHz : 241.899 mW (23.84 dBm)
EUT Category	Client device

Note:

1. This report is prepared for FCC class II permissive change. The difference compared with the Report No.: RFBARR-WTW-P23110067-1 as the following:
   - ◆ Enable 802.11be mode of U-NII-2A, U-NII-2C band through software change.
2. According to above conditions, for 802.11be mode of U-NII-2A, U-NII-2C band all of test items need to be performed and all data was verified to meet the requirements.

3. There are Bluetooth and WLAN (2.4 GHz & 5 GHz & 5.9 GHz & 6 GHz) technology used for the EUT.
4. Simultaneously transmission condition.

Condition	Technology	
1	WLAN (5 GHz) (2TX)	Bluetooth
2	WLAN (5.9 GHz) (2TX)	Bluetooth
3	WLAN (6 GHz) (2TX)	Bluetooth
4	WLAN (2.4 GHz) (1TX)	WLAN (5 GHz) (1TX)
5	WLAN (2.4 GHz) (1TX)	WLAN (5.9 GHz) (1TX)
6	WLAN (2.4 GHz) (1TX)	WLAN (6 GHz) (1TX)
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.		

5. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.
6. The EUT support MRU mode is listed as below.

BW	Small size		Large size		
	52+26-tone MRU	106+26-tone MRU	484+242-tone MRU	996+484-tone MRU	996+484+242-tone MRU
20 MHz	v	v	-	-	-
40 MHz	v	v	-	-	-
80 MHz	v	v	v	-	-
160 MHz	v	v	v	v	v

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)	Antenna Type	Connector Type	Cable Length (mm)
1	Chain0	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.895	PIFA	i-pex(MHF)	200
	Chain1	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.895	PIFA	i-pex(MHF)	200
2	Chain0	PSA	RFMTA311020EMMB301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200
	Chain1	PSA	RFMTA311020EMMB301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200
3	Chain0	PSA	RFMTA421230IMMB701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	300
	Chain1	PSA	RFMTA421230IMMB701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	300
Note: Max. gain was selected for the final test.								

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

2. The EUT incorporates a MIMO function:

5 GHz Band					
Modulation Mode	**TX & RX Configuration**			**CDD Mode**	**Beamforming Mode**
802.11a	SIMO	1TX (Diversity)	2RX	Not Support	Not Support
802.11n (HT20)		1TX (Diversity)	2RX	Not Support	Not Support
802.11n (HT40)		1TX (Diversity)	2RX	Not Support	Not Support
802.11ac (VHT20)		1TX (Diversity)	2RX	Not Support	Not Support
802.11ac (VHT40)		1TX (Diversity)	2RX	Not Support	Not Support
802.11ac (VHT80)		1TX (Diversity)	2RX	Not Support	Not Support
802.11ac (VHT160)		1TX (Diversity)	2RX	Not Support	Not Support
802.11ax (HE20)		1TX (Diversity)	2RX	Not Support	Not Support
802.11ax (HE40)		1TX (Diversity)	2RX	Not Support	Not Support
802.11ax (HE80)		1TX (Diversity)	2RX	Not Support	Not Support
802.11ax (HE160)		1TX (Diversity)	2RX	Not Support	Not Support
802.11be (EHT20)		1TX (Diversity)	2RX	Not Support	Not Support
802.11be (EHT40)		1TX (Diversity)	2RX	Not Support	Not Support
802.11be (EHT80)		1TX (Diversity)	2RX	Not Support	Not Support
802.11be (EHT160)		1TX (Diversity)	2RX	Not Support	Not Support
802.11ax (RU26/52/106/242/484/996/2x996)		1TX (Diversity)	2RX	Not Support	Not Support
802.11be (RU26/52/106/242/484/996/2x996 MRU52+26/106+26/484+242/ 996+484/996+484+242)		1TX (Diversity)	2RX	Not Support	Not Support
802.11a	MIMO	2TX	2RX	Support	Not Support
802.11n (HT20)		2TX	2RX	Support NSS2	Not Support
802.11n (HT40)		2TX	2RX	Support NSS2	Not Support
802.11ac (VHT20)		2TX	2RX	Support NSS2	Not Support
802.11ac (VHT40)		2TX	2RX	Support NSS2	Not Support
802.11ac (VHT80)		2TX	2RX	Support NSS2	Not Support
802.11ac (VHT160)		2TX	2RX	Support NSS2	Not Support
802.11ax (HE20)		2TX	2RX	Support NSS2	Not Support
802.11ax (HE40)		2TX	2RX	Support NSS2	Not Support
802.11ax (HE80)		2TX	2RX	Support NSS2	Not Support
802.11ax (HE160)		2TX	2RX	Support NSS2	Not Support
802.11be (EHT20)		2TX	2RX	Support NSS2	Not Support
802.11be (EHT40)		2TX	2RX	Support NSS2	Not Support
802.11be (EHT80)		2TX	2RX	Support NSS2	Not Support
802.11be (EHT160)		2TX	2RX	Support NSS2	Not Support
802.11ax (RU26/52/106/242/484/996/2x996)		2TX	2RX	Support NSS2	Not Support
802.11be (RU26/52/106/242/484/996/2x996 MRU52+26/106+26/484+242/ 996+484/996+484+242)		2TX	2RX	Support NSS2	Not Support
Note: The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz, 160 MHz), 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) and 802.11be mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) therefore the manufacturer will control the power for 802.11n/ac/ax mode is same as the 802.11be mode or more lower than it and investigated worst case to representative mode in test report.					

3.3 Channel List

FOR 5250 ~ 5320 MHz

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

Channel	Frequency	Channel	Frequency
52	5260 MHz	60	5300 MHz
56	5280 MHz	64	5320 MHz

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

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

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

Channel	Frequency
58	5290 MHz

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

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

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

Channel	Frequency
114	5570 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. For 1Tx diversity configuration. Pre-scan in transmit chain 0 and chain 1 and find the worst case as a representative test condition. 2. The worst-case Partial RU modes across all supported bandwidth modes has been determined via pre-scan. 3. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and data rates.
Worst Case:	1. For 1Tx diversity configuration the worst chain is: Chain 0 2. The worst case occurs in 20 MHz bandwidth (RU 26/52/106).

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

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
26 dB Bandwidth	A	802.11be (EHT20)	1S1T / 2S2T	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	54, 62, 102, 110, 134, 142	BPSK	MCS0	NA
		802.11be (EHT80)	1S1T / 2S2T	58, 106, 122, 138	BPSK	MCS0	NA
		802.11be (EHT160)	1S1T / 2S2T	50, 114	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	8, 0, 8, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	40, 37, 40, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	54, 53, 54, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	72, 70, 72, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	83, 82, 83, 83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	58, 106, 138	BPSK	MCS0	90, 93, 90
		802.11be (EHT160) 996+484-tone MRU	1S1T / 2S2T	50, 114	BPSK	MCS0	95-1, 95-1
		802.11be (EHT160) 996+484+242-tone MRU	1S1T / 2S2T	50, 114	BPSK	MCS0	99-1, 99-1

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
RF Output Power	A	802.11be (EHT20)	1S1T / 2S2T	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	54, 62, 102, 110, 134, 142	BPSK	MCS0	NA
		802.11be (EHT80)	1S1T / 2S2T	58, 106, 122, 138	BPSK	MCS0	NA
		802.11be (EHT160)	1S1T / 2S2T	50, 114	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	8, 0, 8, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	40, 37, 40, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	54, 53, 54, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	72, 70, 72, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	83, 82, 83, 83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	58, 106, 138	BPSK	MCS0	90, 93, 90
		802.11be (EHT160) 996+484-tone MRU	1S1T / 2S2T	50, 114	BPSK	MCS0	95-1, 95-1
		802.11be (EHT160) 996+484+242-tone MRU	1S1T / 2S2T	50, 114	BPSK	MCS0	99-1, 99-1

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Power Spectral Density	A	802.11be (EHT20)	1S1T / 2S2T	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	54, 62, 102, 110, 134, 142	BPSK	MCS0	NA
		802.11be (EHT80)	1S1T / 2S2T	58, 106, 122, 138	BPSK	MCS0	NA
		802.11be (EHT160)	1S1T / 2S2T	50, 114	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	8, 0, 8, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	40, 37, 40, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	54, 53, 54, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	72, 70, 72, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	83, 82, 83, 83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	58, 106, 138	BPSK	MCS0	90, 93, 90
		802.11be (EHT160) 996+484-tone MRU	1S1T / 2S2T	50, 114	BPSK	MCS0	95-1, 95-1
		802.11be (EHT160) 996+484+242-tone MRU	1S1T / 2S2T	50, 114	BPSK	MCS0	99-1, 99-1
6 dB Bandwidth	A	802.11be (EHT20)	1S1T / 2S2T	144	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	142	BPSK	MCS0	NA
		802.11be (EHT80)	1S1T / 2S2T	138	BPSK	MCS0	NA

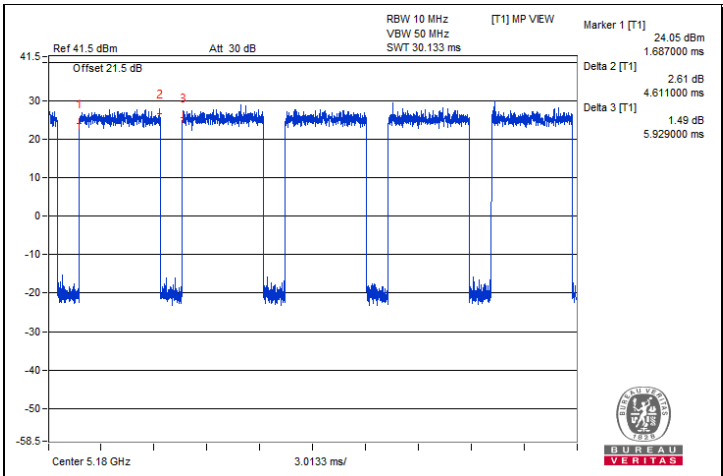
Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Occupied Bandwidth	A	802.11be (EHT20)	1S1T / 2S2T	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	54, 62, 102, 110, 134, 142	BPSK	MCS0	NA
		802.11be (EHT80)	1S1T / 2S2T	58, 106, 122, 138	BPSK	MCS0	NA
		802.11be (EHT160)	1S1T / 2S2T	50, 114	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	8, 0, 8, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	40, 37, 40, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	54, 53, 54, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	72, 70, 72, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	83, 82, 83, 83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	58, 106, 138	BPSK	MCS0	90, 93, 90
		802.11be (EHT160) 996+484-tone MRU	1S1T / 2S2T	50, 114	BPSK	MCS0	95-1, 95-1
		802.11be (EHT160) 996+484+242-tone MRU	1S1T / 2S2T	50, 114	BPSK	MCS0	99-1, 99-1
Frequency Stability	A	-	-	100	unmodulated	-	NA
AC Power Conducted Emissions	C	802.11be (EHT40)	1S1T	110	BPSK	MCS0	NA
			2S2T	54	BPSK	MCS0	NA
Unwanted Emissions below 1 GHz	A, B	802.11be (EHT40)	1S1T	110	BPSK	MCS0	NA
			2S2T	54	BPSK	MCS0	NA

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Unwanted Emissions above 1 GHz	A, B	802.11be (EHT20)	1S1T / 2S2T	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	54, 62, 102, 110, 134, 142	BPSK	MCS0	NA
		802.11be (EHT80)	1S1T / 2S2T	58, 106, 122, 138	BPSK	MCS0	NA
		802.11be (EHT160)	1S1T / 2S2T	50, 114	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	8, 0, 8, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	40, 37, 40, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	54, 53, 54, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	72, 70, 72, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	64, 100, 140, 144	BPSK	MCS0	83, 82, 83, 83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	58, 106, 138	BPSK	MCS0	90, 93, 90
		802.11be (EHT160) 996+484-tone MRU	1S1T / 2S2T	50, 114	BPSK	MCS0	95-1, 95-1
		802.11be (EHT160) 996+484+242-tone MRU	1S1T / 2S2T	50, 114	BPSK	MCS0	99-1, 99-1
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					
Note: Channel puncturing mechanism is not supported.							

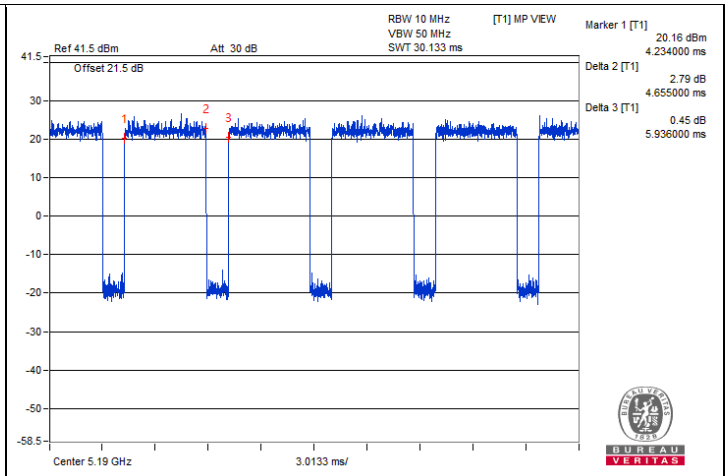
3.5 Duty Cycle of Test Signal

1S1T

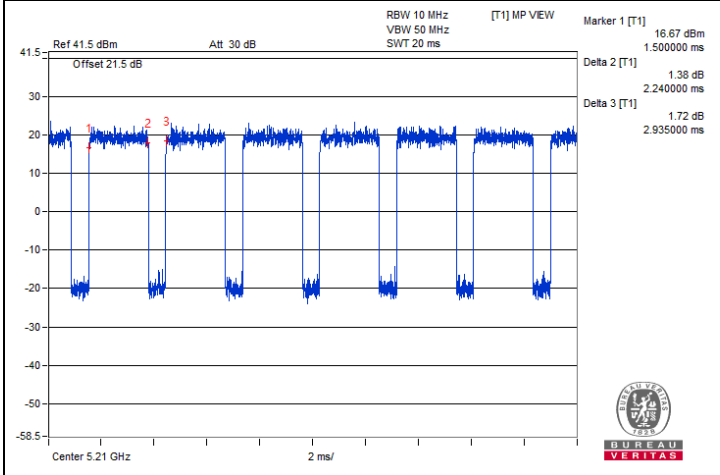
802.11be (EHT20):
Duty cycle = 4.611 ms / 5.929 ms x 100% = 77.8%, duty factor = 10 * log (1/Duty cycle) = 1.09 dB
802.11be (EHT40):
Duty cycle = 4.655 ms / 5.936 ms x 100% = 78.4%, duty factor = 10 * log (1/Duty cycle) = 1.06 dB
802.11be (EHT80):
Duty cycle = 2.24 ms / 2.935 ms x 100% = 76.3%, duty factor = 10 * log (1/Duty cycle) = 1.17 dB
802.11be (EHT160):
Duty cycle = 2.065 ms / 2.575 ms x 100% = 80.2%, duty factor = 10 * log (1/Duty cycle) = 0.96 dB
802.11be (EHT20) 26-tone RU:
Duty cycle = 1.606 ms / 1.73 ms x 100% = 92.8%, duty factor = 10 * log (1/Duty cycle) = 0.32 dB
802.11be (EHT20) 52-tone RU:
Duty cycle = 1.606 ms / 1.73 ms x 100% = 92.8%, duty factor = 10 * log (1/Duty cycle) = 0.32 dB
802.11be (EHT20) 106-tone RU:
Duty cycle = 1.606 ms / 1.73 ms x 100% = 92.8%, duty factor = 10 * log (1/Duty cycle) = 0.32 dB
802.11be (EHT20) 52+26-tone MRU:
Duty cycle = 1.493 ms / 1.602 ms x 100% = 93.2%, duty factor = 10 * log (1/Duty cycle) = 0.31 dB
802.11be (EHT20) 106+26-tone MRU:
Duty cycle = 1.659 ms / 1.771 ms x 100% = 93.7%, duty factor = 10 * log (1/Duty cycle) = 0.28 dB
802.11be (EHT80) 484+242-tone MRU:
Duty cycle = 1.193 ms / 1.305 ms x 100% = 91.4%, duty factor = 10 * log (1/Duty cycle) = 0.39 dB
802.11be (EHT160) 996+484-tone MRU:
Duty cycle = 1.159 ms / 1.278 ms x 100% = 90.7%, duty factor = 10 * log (1/Duty cycle) = 0.42 dB
802.11be (EHT160) 996+484+242-tone MRU:
Duty cycle = 1.163 ms / 1.282 ms x 100% = 90.7%, duty factor = 10 * log (1/Duty cycle) = 0.42 dB



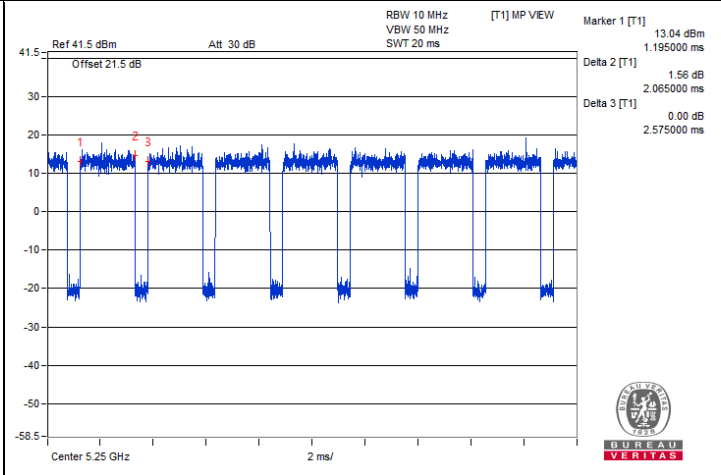
802.11be (EHT20)



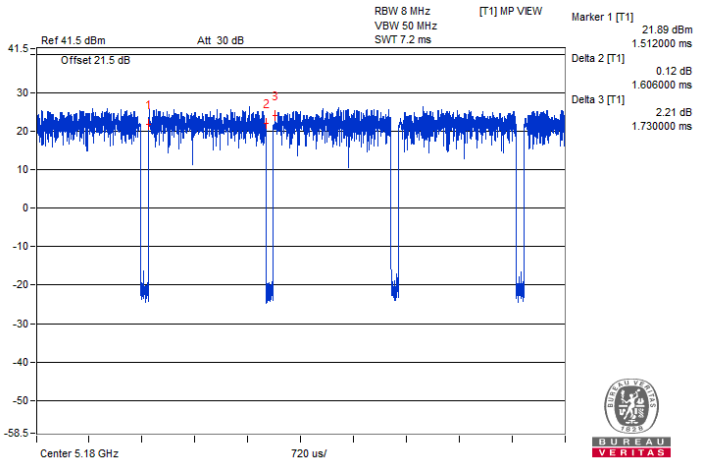
802.11be (EHT40)



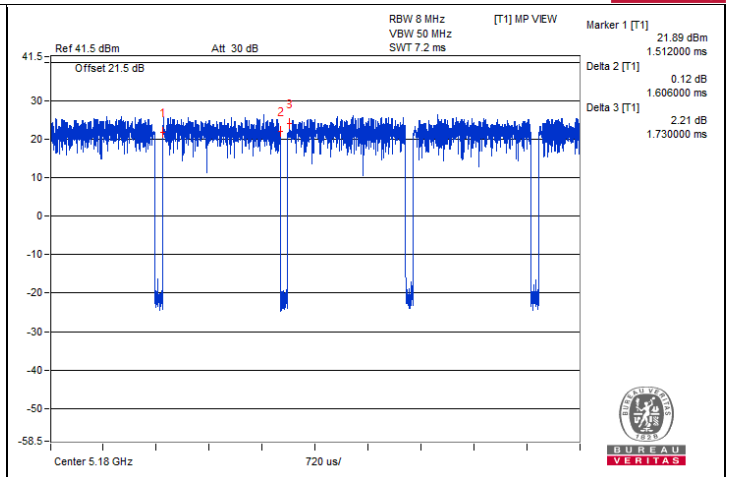
802.11be (EHT80)



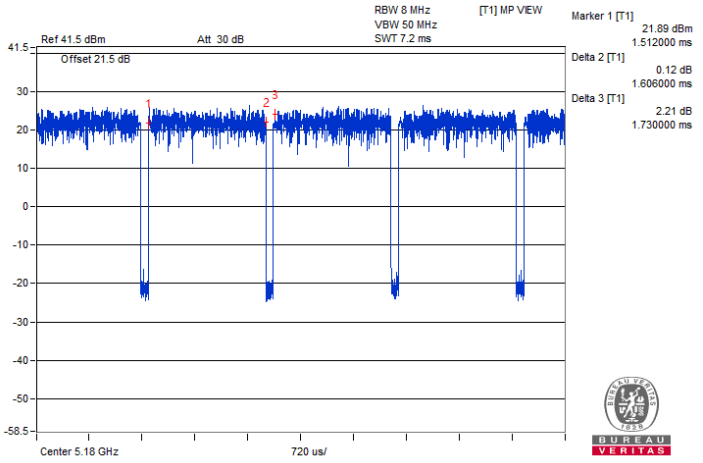
802.11be (EHT160)



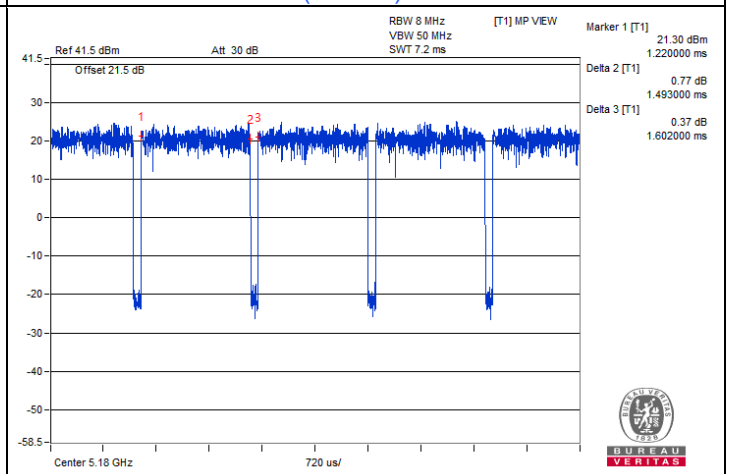
802.11be (EHT20) 26-tone RU



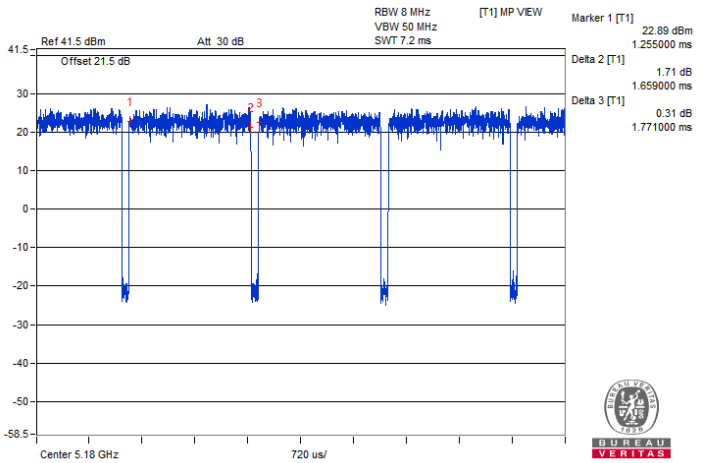
802.11be (EHT20) 52-tone RU



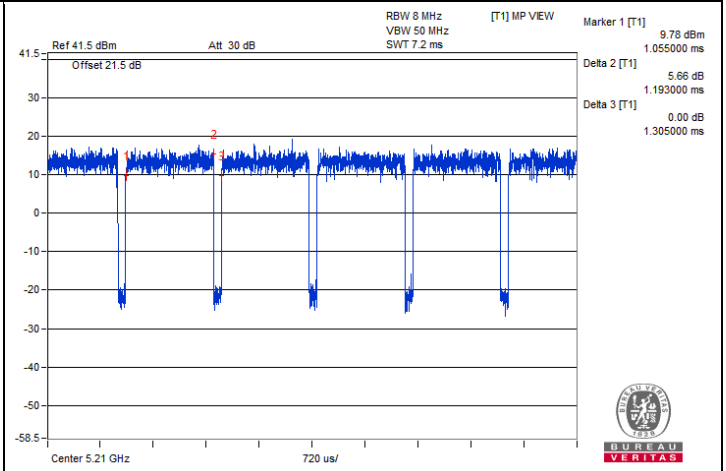
802.11be (EHT20) 106-tone RU



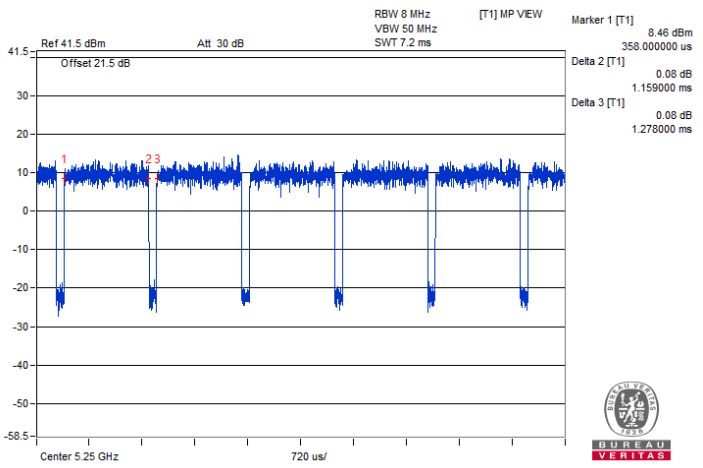
802.11be (EHT20) 52+26-tone MRU



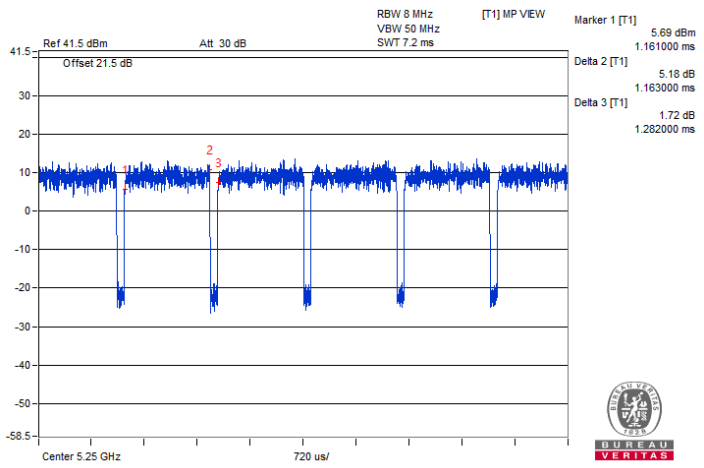
802.11be (EHT20) 106+26-tone MRU



802.11be (EHT80) 484+242-tone MRU



802.11be (EHT160) 996+484-tone MRU



802.11be (EHT160) 996+484+242-tone MRU

2S2T

802.11be (EHT20):
Duty cycle = 2.371 ms / 3.633 ms x 100% = 65.3%, duty factor = 10 * log (1/Duty cycle) = 1.85 dB

802.11be (EHT40):
Duty cycle = 2.364 ms / 3.652 ms x 100% = 64.7%, duty factor = 10 * log (1/Duty cycle) = 1.89 dB

802.11be (EHT80):
Duty cycle = 1.183 ms / 1.842 ms x 100% = 64.2%, duty factor = 10 * log (1/Duty cycle) = 1.92 dB

802.11be (EHT160):
Duty cycle = 1.09 ms / 1.584 ms x 100% = 68.8%, duty factor = 10 * log (1/Duty cycle) = 1.62 dB

802.11be (EHT20) 26-tone RU:
Duty cycle = 0.853 ms / 0.966 ms x 100% = 88.3%, duty factor = 10 * log (1/Duty cycle) = 0.54 dB

802.11be (EHT20) 52-tone RU:
Duty cycle = 0.853 ms / 0.966 ms x 100% = 88.3%, duty factor = 10 * log (1/Duty cycle) = 0.54 dB

802.11be (EHT20) 106-tone RU:
Duty cycle = 0.853 ms / 0.966 ms x 100% = 88.3%, duty factor = 10 * log (1/Duty cycle) = 0.54 dB

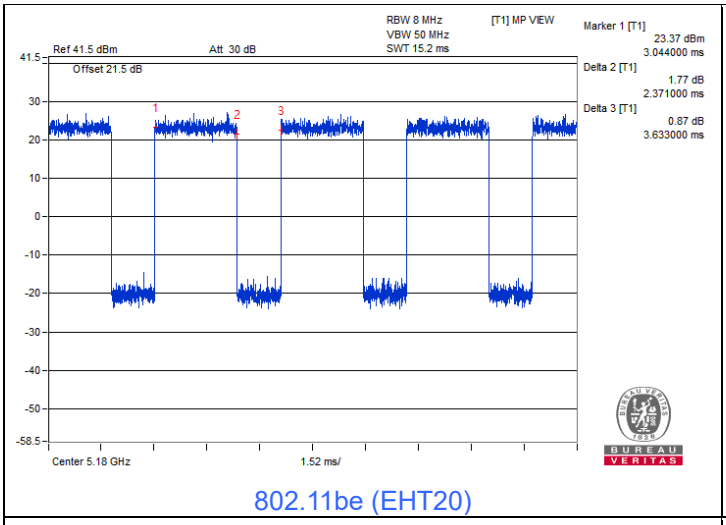
802.11be (EHT20) 52+26-tone MRU:
Duty cycle = 0.803 ms / 0.922 ms x 100% = 87.1%, duty factor = 10 * log (1/Duty cycle) = 0.60 dB

802.11be (EHT20) 106+26-tone MRU:
Duty cycle = 0.882 ms / 0.989 ms x 100% = 89.2%, duty factor = 10 * log (1/Duty cycle) = 0.50 dB

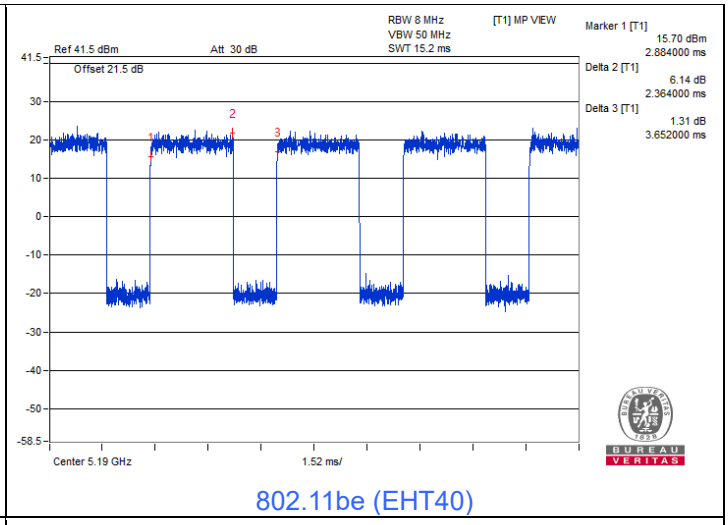
802.11be (EHT80) 484+242-tone MRU:
Duty cycle = 0.649 ms / 0.765 ms x 100% = 84.8%, duty factor = 10 * log (1/Duty cycle) = 0.71 dB

802.11be (EHT160) 996+484-tone MRU:
Duty cycle = 0.632 ms / 0.743 ms x 100% = 85.1%, duty factor = 10 * log (1/Duty cycle) = 0.70 dB

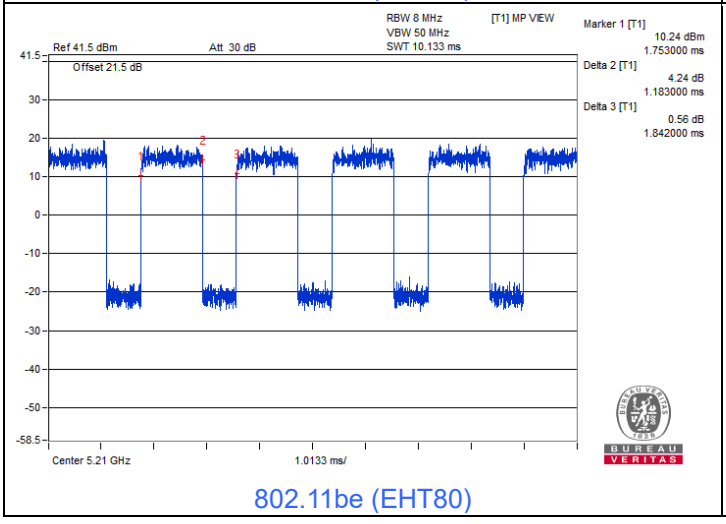
802.11be (EHT160) 996+484+242-tone MRU:
Duty cycle = 0.632 ms / 0.741 ms x 100% = 85.3%, duty factor = 10 * log (1/Duty cycle) = 0.69 dB



802.11be (EHT20)

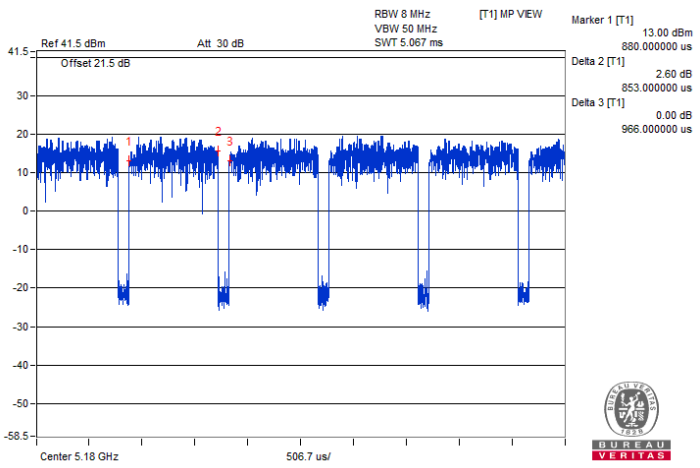


802.11be (EHT40)

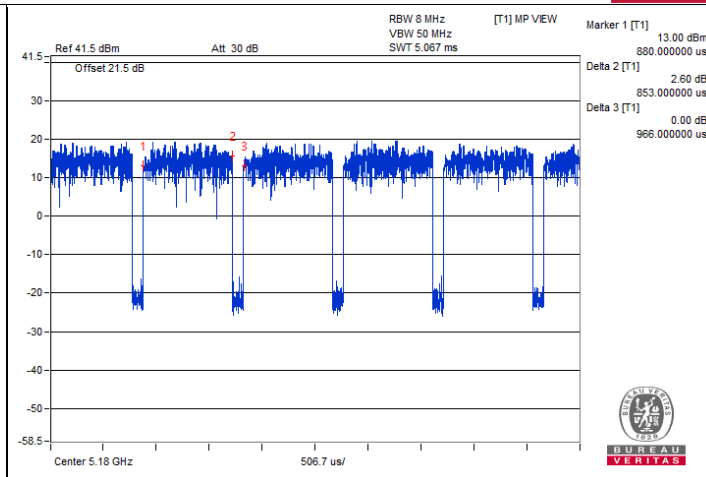


802.11be (EHT80)

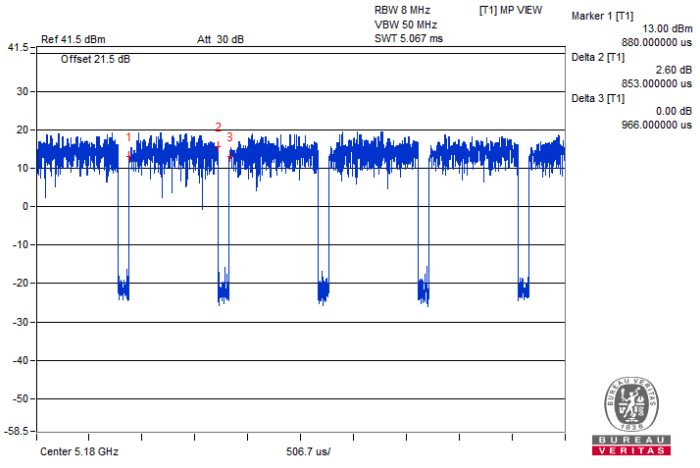
802.11be (EHT160)



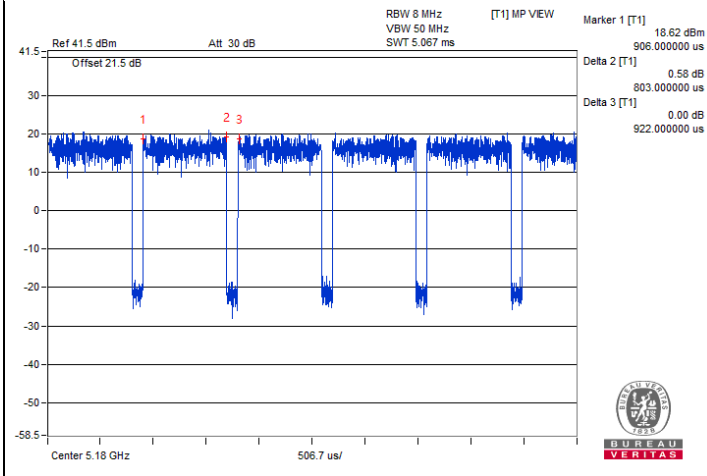
802.11be (EHT20) 26-tone RU



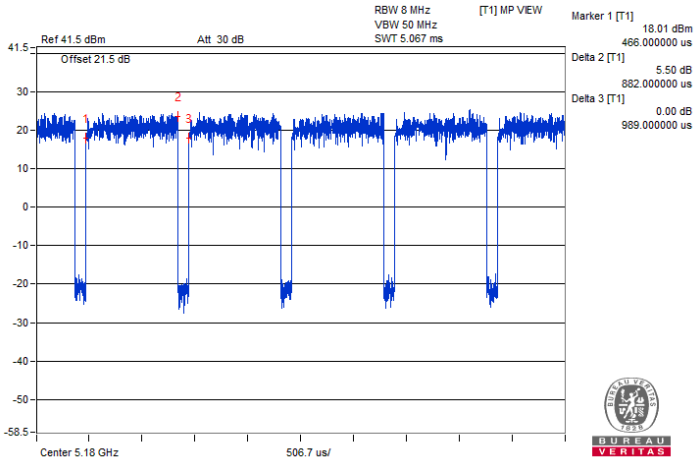
802.11be (EHT20) 52-tone RU



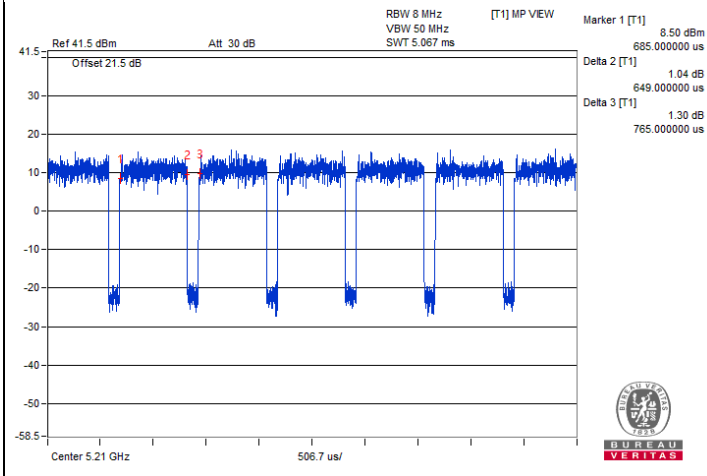
802.11be (EHT20) 106-tone RU



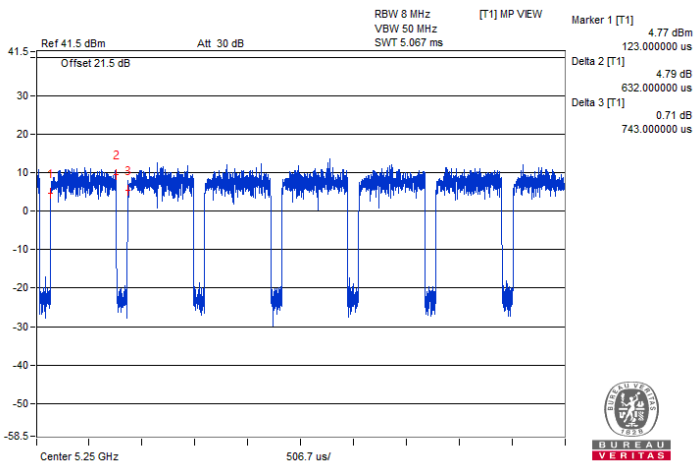
802.11be (EHT20) 52+26-tone MRU



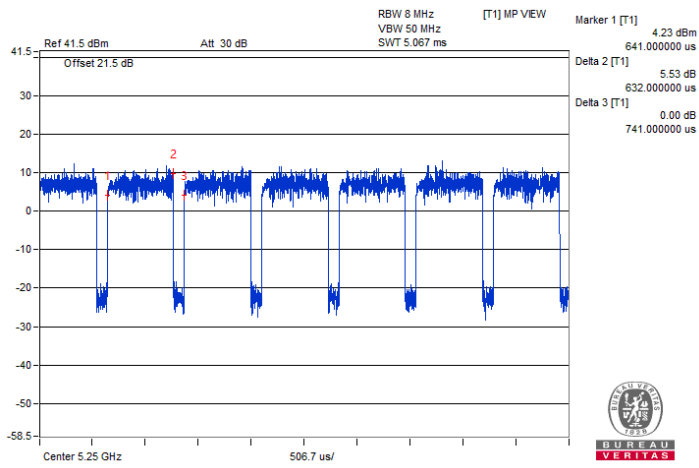
802.11be (EHT20) 106+26-tone MRU



802.11be (EHT80) 484+242-tone MRU



802.11be (EHT160) 996+484-tone MRU



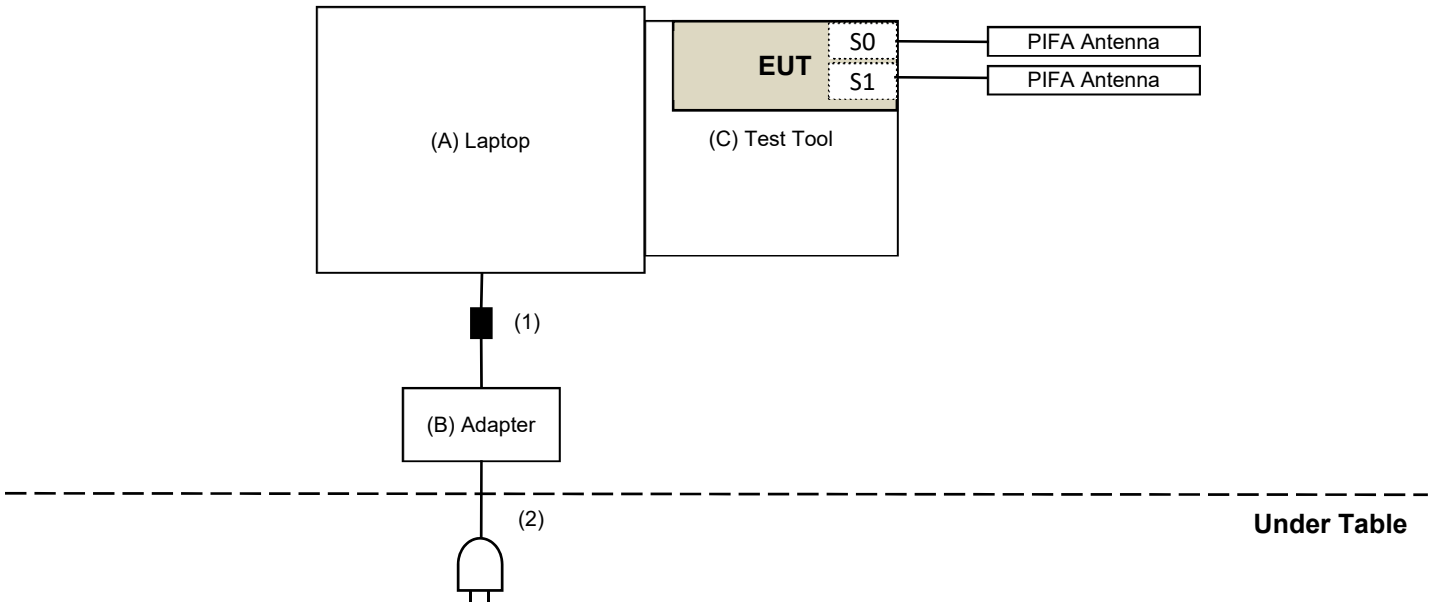
802.11be (EHT160) 996+484+242-tone MRU

3.6 Test Program Used and Operation Descriptions

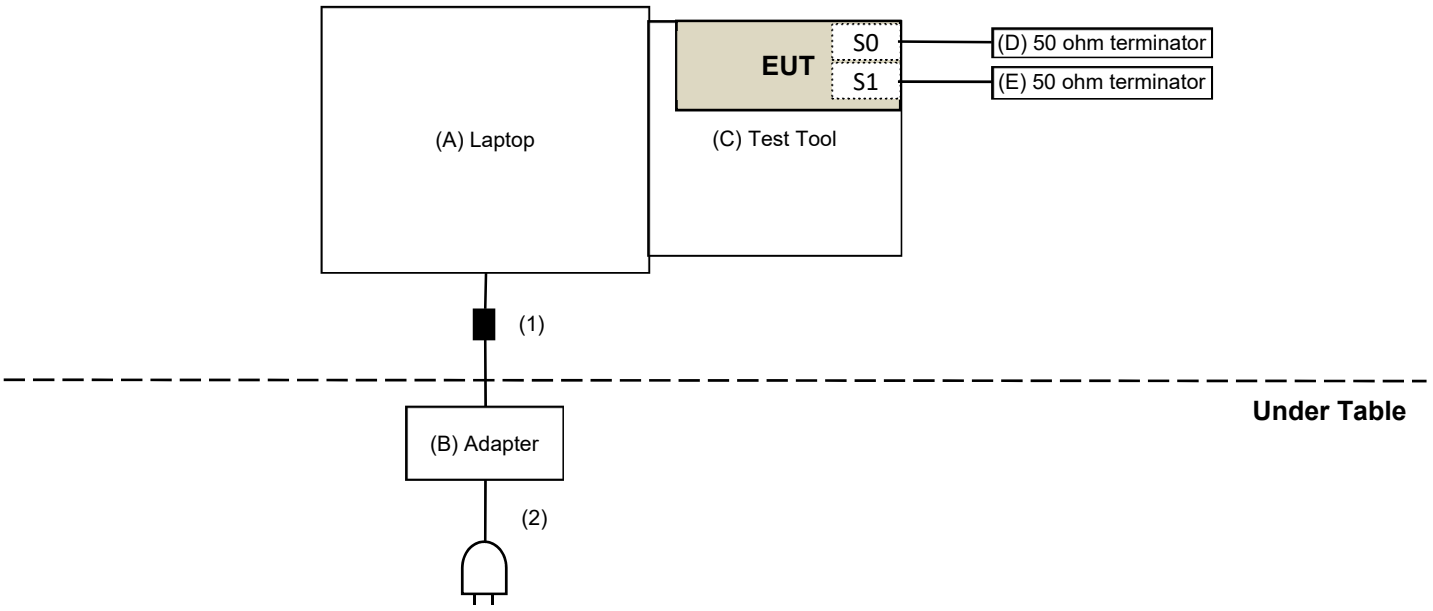
Controlling software (QAtool_V16 (0.0.2.104)) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

For AC Power Conducted Emission test



For Unwanted Emission test



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E5430	HYV4VY1	DoC	Provided by Lab
B	Adapter	DELL	LLA65NS2-01	N/A	N/A	Provided by Lab
C	Test Tool	Mediatek	MTK1849	N/A	N/A	Supplied by applicant
D	50 Ohm terminator	WOKEN	WTER-18S2	N/A	N/A	Provided by Lab
E	50 Ohm terminator	WOKEN	WTER-18S2	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.8	No	1	Provided by Lab
2	AC Cable	1	1	No	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXA Signal Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/12/21 ~ 2024/1/19

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXA Signal Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Pulse Power Sensor Anritsu	MA2411B	1726434	2023/6/19	2024/6/18
RF Power Meter Anritsu	ML2495A	1529002	2023/6/17	2024/6/16
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/12/21 ~ 2024/1/19

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
DC Power Supply Topward	6603D	795558	N/A	N/A
MXA Signal Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2023/12/20	2024/12/19
True RMS Clamp Meter FLUKE	325	31130711WS	2023/6/8	2024/6/7

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/12/21

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance Telegartner	50 ohm	3	2023/10/20	2024/10/19
EMI Test Receiver R&S	ESCS 30	847124/029	2023/10/18	2024/10/17
Fixed Attenuator STI	STI02-2200-10	005	2024/2/19	2025/2/18
LISN R&S	ESH3-Z5	835239/001	2023/4/6	2024/4/5
		848773/004	2023/10/13	2024/10/12
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2024/2/19	2025/2/18
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: 2024/3/14 ~ 2024/3/18

4.8 Unwanted Emissions below 1 GHz

Mode A

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXA Signal Analyzer Keysight	N9020B	MY60112409	2024/2/20	2025/2/19
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:
1. The test was performed in Oven room 2.
2. Tested Date: 2024/3/19

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-406	2023/10/13	2024/10/12
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-03	2024/2/17	2025/2/16
Loop Antenna Electro-Metrics	EM-6879	264	2024/2/23	2025/2/22
MXA Signal Analyzer Keysight	N9020B	MY60112408	2024/3/7	2025/3/6
MXE EMI Receiver Keysight	N9038A	MY59050100	2023/6/13	2024/6/12
Preamplifier EMCI	EMC330N	980701	2024/2/17	2025/2/16
	EMC001340	980142	2024/2/19	2025/2/18
RF Coaxial Cable JYEBAO	5D-FB	LOOPCAB-001	2024/2/19	2025/2/18
		LOOPCAB-002	2024/2/19	2025/2/18
RF Coaxial Cable mTJ	100100-CFD400LW-200	CFD400-200	2024/2/17	2025/2/16
	100100-CFD400LW-400	CFD400-400	2024/2/17	2025/2/16
	100100-CFD400LW-800	CFD400-800	2024/2/17	2025/2/16
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:
1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2024/3/15

4.9 Unwanted Emissions above 1 GHz

Mode A

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXA Signal Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/11/16 ~ 2024/1/2

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-783	2023/11/12	2024/11/11
	BBHA 9170	9170-739	2023/11/12	2024/11/11
MXA Signal Analyzer Keysight	N9020B	MY60112408	2024/3/7	2025/3/6
Preamplifier EMCI	EMC12630SE	980688	2023/10/3	2024/10/2
	EMC184045SE	980387	2023/8/9	2024/8/8
RF Coaxial Cable EMCI	EMC102-KM-KM-1200	160924	2024/1/29	2025/1/28
	EMC102-KM-KM-4000	200214	2024/1/29	2025/1/28
	EMC104-SM-SM-1200	160922	2024/1/29	2025/1/28
	EMC104-SM-SM-2000	180502	2024/1/29	2025/1/28
	EMC104-SM-SM-6000	210704	2023/11/2	2024/11/1
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2024/3/13 ~ 2024/3/15

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

Per KDB 662911 D01 Multiple Transmitter Output Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};
Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Frequency Stability

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

5.7 AC Power Conducted Emissions

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Notes:

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

5.8 Unwanted Emissions below 1 GHz

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Notes:

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

5.9 Unwanted Emissions above 1 GHz

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
Above 960	500	3

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBµV/m) *
* Conducted Unwanted Emission Convert Formula: Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8, d = measurement distance in 3 meters. Emission Level (dBuV/m) = -27 – 20log(3) + 104.8 = 68.26		

For transmitters operating in the 5.25-5.35 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(2)	PK: -27 (dBm/MHz)	PK: 68.2 (dBµV/m) *
* Conducted Unwanted Emission Convert Formula: Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8, d = measurement distance in 3 meters. Emission Level (dBuV/m) = -27 – 20log(3) + 104.8 = 68.26		

For transmitters operating in the 5.47-5.725 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(3)	PK: -27 (dBm/MHz)	PK: 68.2 (dBµV/m) *
* Conducted Unwanted Emission Convert Formula: Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8, d = measurement distance in 3 meters. Emission Level (dBuV/m) = -27 – 20log(3) + 104.8 = 68.26		

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(4)(i)	PK: -27 (dBm/MHz) *1 PK: 10 (dBm/MHz) *2 PK: 15.6 (dBm/MHz) *3 PK: 27 (dBm/MHz) *4	PK: 68.2 (dBµV/m) *1 PK: 105.2 (dBµV/m) *2 PK: 110.8 (dBµV/m) *3 PK: 122.2 (dBµV/m) *4
*1 beyond 75 MHz or more above of the band edge. *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

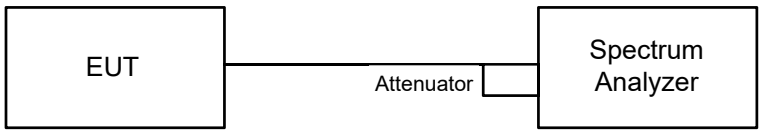
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup



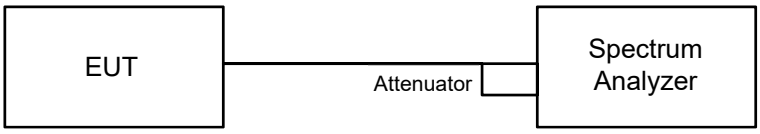
6.1.2 Test Procedure

a. Set RBW = approximately 1% of the emission bandwidth.
b. Set the VBW > RBW.
c. Detector = Peak.
d. Trace mode = max hold.
e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

6.2 RF Output Power

6.2.1 Test Setup

For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

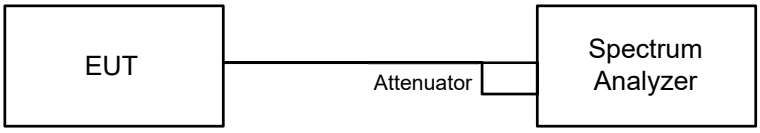
Method SA-2

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)Sweep time = auto, trigger set to “free run”.
d. Trace average at least 100 traces in power averaging mode.
e. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
f. Record the max value and add 10 log (1/duty cycle).

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-2

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger set to “free run”.
e. Trace average at least 100 traces in power averaging mode.
f. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
g. Record the max value and add 10 log (1/duty cycle).

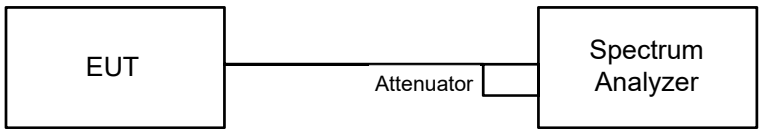
For specified measurement bandwidth 500 kHz:

Method SA-2

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

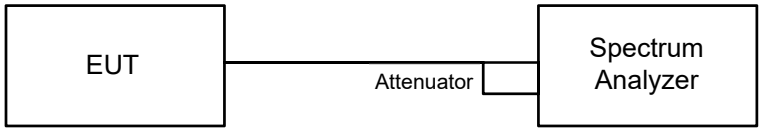


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

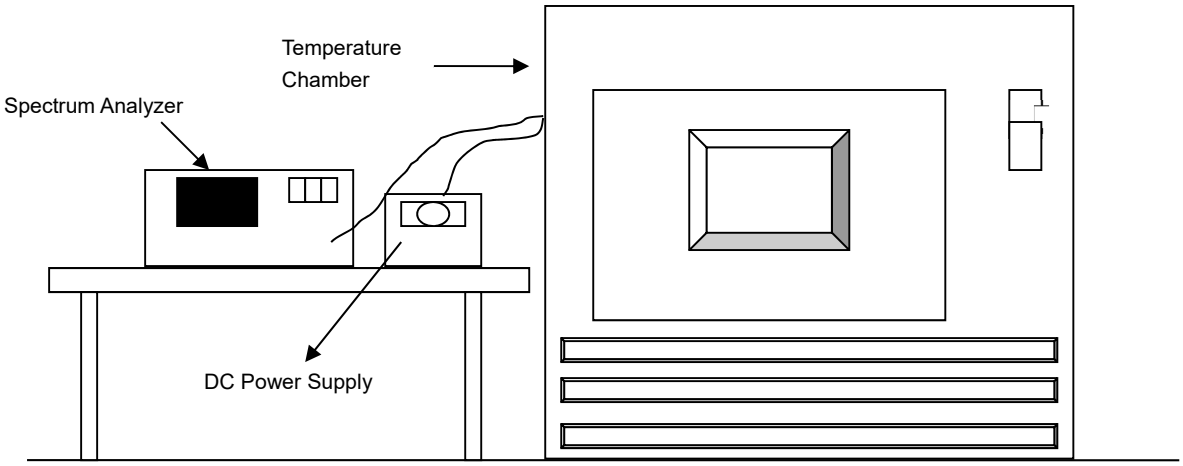


6.5.2 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to Sampling. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean power of a given emission.

6.6 Frequency Stability

6.6.1 Test Setup

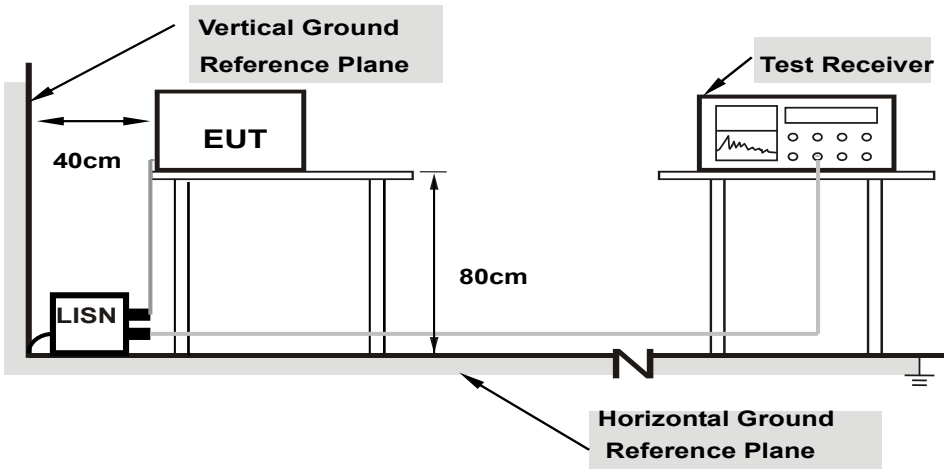


6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



Note: 1.Support units were connected to second LISN.

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

6.7.2 Test Procedure

a. The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.

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

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

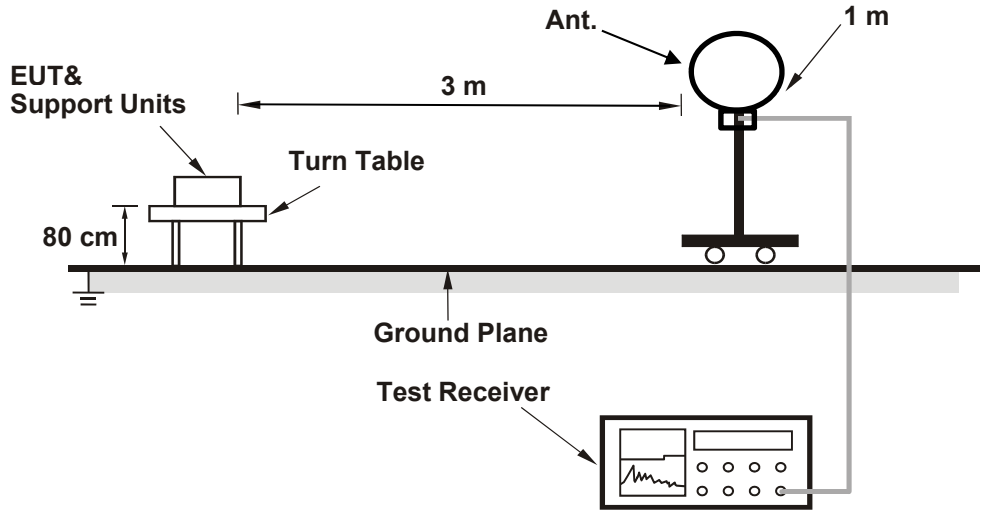
Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

6.8 Unwanted Emissions below 1 GHz

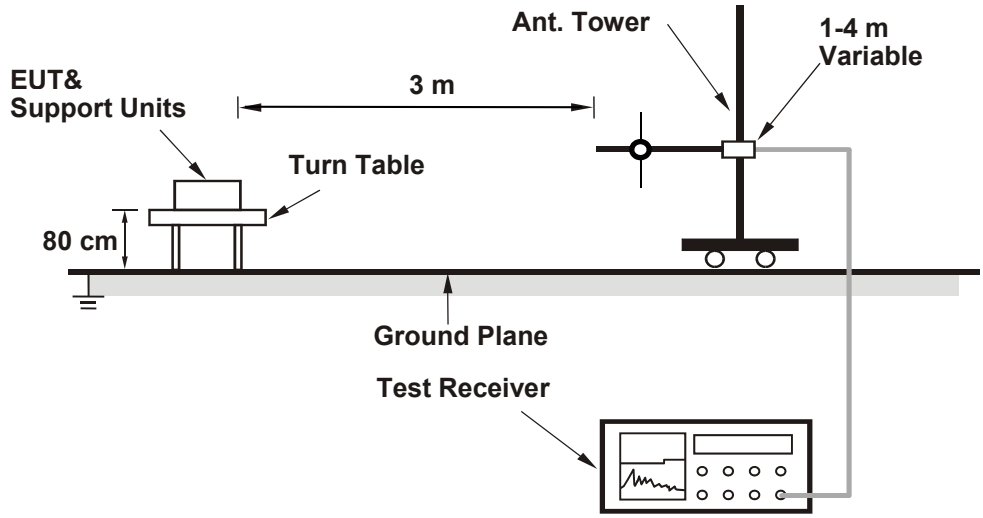
6.8.1 Test Setup

For Radiated Configuration:

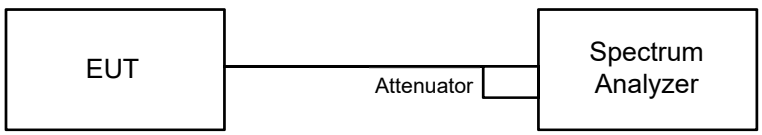
For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



For Conducted Configuration:



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

6.8.2 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:

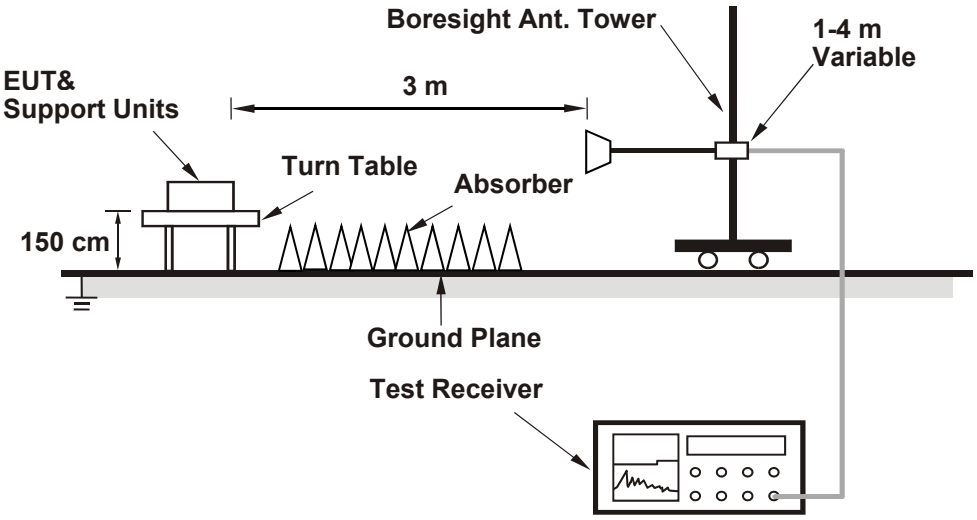
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

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.

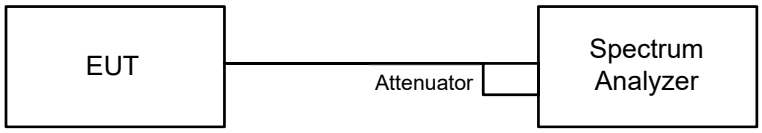
6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup

For Radiated Configuration:



For Conducted Configuration:



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

6.9.2 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

e-1. 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.

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

Radiated versus Conducted Measurement
For Radiated measurement: The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation). For Conducted measurement: The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions). For Verified radiated measurement: The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation).
Conducted Unwanted Emission Convert Formula
a. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8 d = measurement distance in 3 meters. b. EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB). c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands. For the band edge the gain for the specific band may have been used. Note: The conducted emission test was considered some factor to compute test result.

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu

1S1T

802.11be (EHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	20.98
60	5300	19.94
64	5320	21
100	5500	19.84
116	5580	26.25
140	5700	20.57
144 (U-NII-2C)	5720	17.8
144 (U-NII-3)	5720	5.72

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	20.98	24.21	>	24
60	5300	19.94	23.99	<	24
64	5320	21.00	24.22	>	24
100	5500	19.84	23.97	<	24
116	5580	26.25	25.19	>	24
140	5700	20.57	24.13	>	24
144 (U-NII-2C)	5720	17.80	23.5	<	24

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

802.11be (EHT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
54	5270	39.88
62	5310	39.59
102	5510	39.48
110	5550	52.86
134	5670	43.17
142 (U-NII-2C)	5710	39.21
142 (U-NII-3)	5710	10.24

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	39.88	27	>	24
62	5310	39.59	26.97	>	24
102	5510	39.48	26.96	>	24
110	5550	52.86	28.23	>	24
134	5670	43.17	27.35	>	24
142 (U-NII-2C)	5710	39.21	26.93	>	24

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

802.11be (EHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
58	5290	106.58
106	5530	93.48
122	5610	90.66
138 (U-NII-2C)	5690	77.48
138 (U-NII-3)	5690	5.17

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	106.58	31.27	>	24
106	5530	93.48	30.7	>	24
122	5610	90.66	30.57	>	24
138 (U-NII-2C)	5690	77.48	29.89	>	24

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

802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
50 (U-NII-1)	5250	81.76
50 (U-NII-2A)	5250	84.06
114	5570	164.03

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	84.06	30.24	>	24
114	5570	164.03	33.14	>	24

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

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
64	5320	19.41
100	5500	19.59
140	5700	19.55
144 (U-NII-2C)	5720	13.82
144 (U-NII-3)	5720	5.78

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
64	5320	19.41	23.88	<	24
100	5500	19.59	23.92	<	24
140	5700	19.55	23.91	<	24
144 (U-NII-2C)	5720	13.82	22.4	<	24

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

802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
64	5320	19.42
100	5500	19.57
140	5700	19.35
144 (U-NII-2C)	5720	13.87
144 (U-NII-3)	5720	5.68

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
64	5320	19.42	23.88	<	24
100	5500	19.57	23.91	<	24
140	5700	19.35	23.86	<	24
144 (U-NII-2C)	5720	13.87	22.42	<	24

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

802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
64	5320	22.83
100	5500	23.22
140	5700	19.99
144 (U-NII-2C)	5720	14.21
144 (U-NII-3)	5720	5.69

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
64	5320	22.83	24.58	>	24
100	5500	23.22	24.65	>	24
140	5700	19.99	24	=	24
144 (U-NII-2C)	5720	14.21	22.52	<	24

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

802.11be (EHT20) 52+26-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
64	5320	18.85
100	5500	18.77
140	5700	18.7
144 (U-NII-2C)	5720	13.89
144 (U-NII-3)	5720	5

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
64	5320	18.85	23.75	<	24
100	5500	18.77	23.73	<	24
140	5700	18.70	23.71	<	24
144 (U-NII-2C)	5720	13.89	22.42	<	24

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

802.11be (EHT20) 106+26-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
64	5320	19.31
100	5500	21.5
140	5700	19.71
144 (U-NII-2C)	5720	13.93
144 (U-NII-3)	5720	5.49

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
64	5320	19.31	23.85	<	24
100	5500	21.50	24.32	>	24
140	5700	19.71	23.94	<	24
144 (U-NII-2C)	5720	13.93	22.43	<	24

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

802.11be (EHT80) 484+242-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
58	5290	79.24
106	5530	79.24
138 (U-NII-2C)	5690	74.43
138 (U-NII-3)	5690	5.36

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	79.24	29.98	>	24
106	5530	79.24	29.98	>	24
138 (U-NII-2C)	5690	74.43	29.71	>	24

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

802.11be (EHT160) 996+484-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
50 (U-NII-1)	5250	80.56
50 (U-NII-2A)	5250	55.3
114	5570	130.53

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	55.30	28.42	>	24
114	5570	130.53	32.15	>	24

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

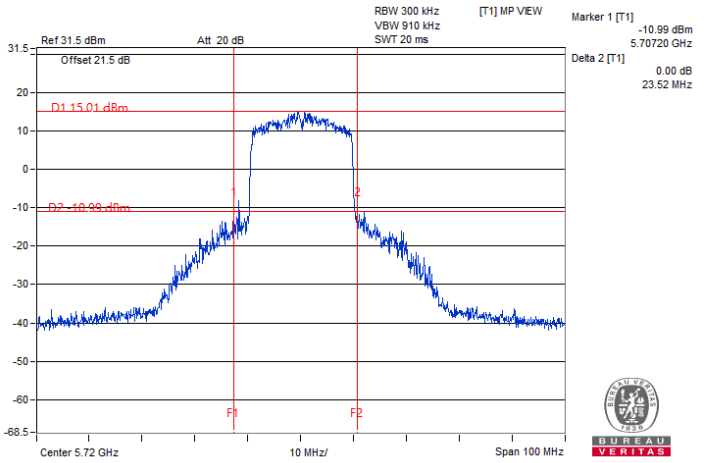
802.11be (EHT160) 996+484+242-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
50 (U-NII-1)	5250	80.82
50 (U-NII-2A)	5250	79.75
114	5570	161.09

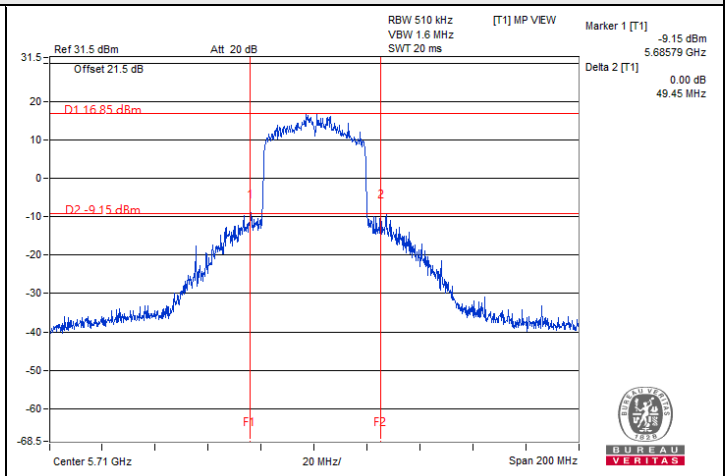
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	79.75	30.01	>	24
114	5570	161.09	33.07	>	24

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

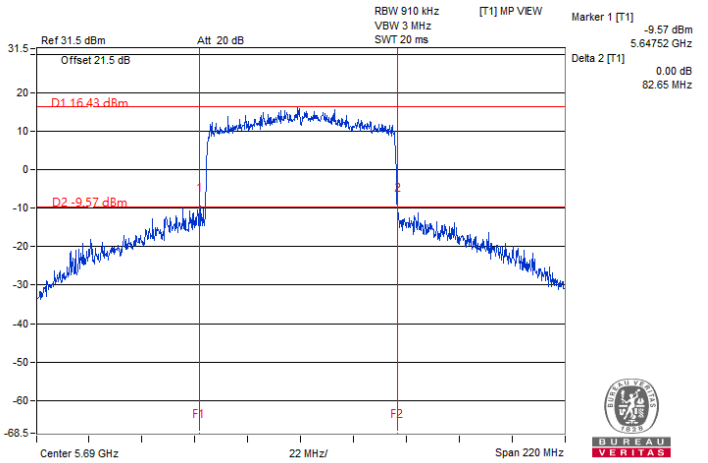
Spectrum Plot of Minimum Value



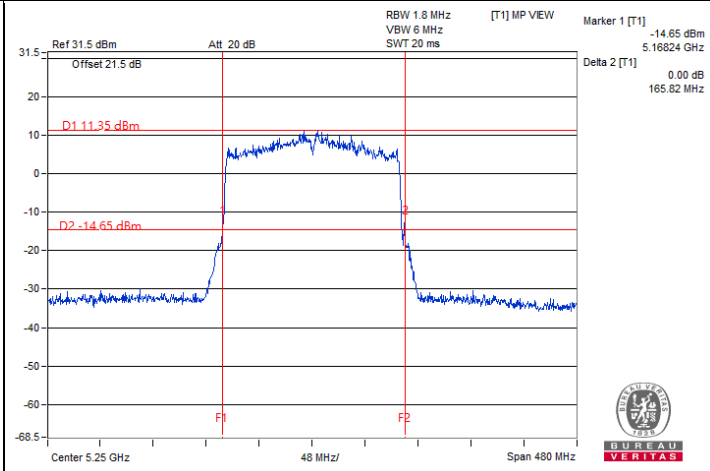
802.11be (EHT20) : CH 144 (U-NII-3)



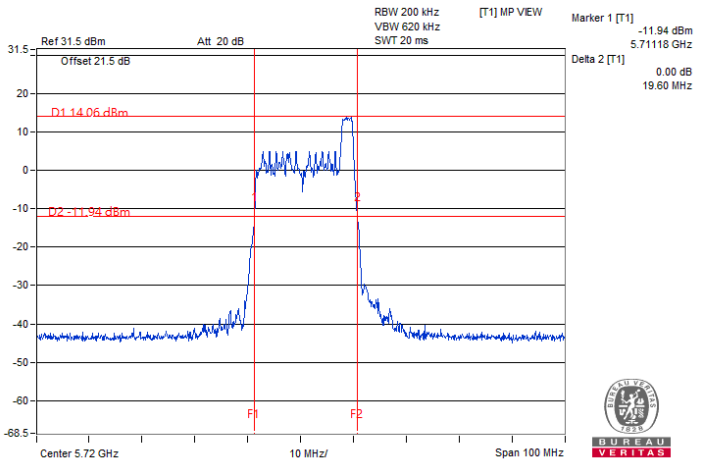
802.11be (EHT40) : CH 142 (U-NII-3)



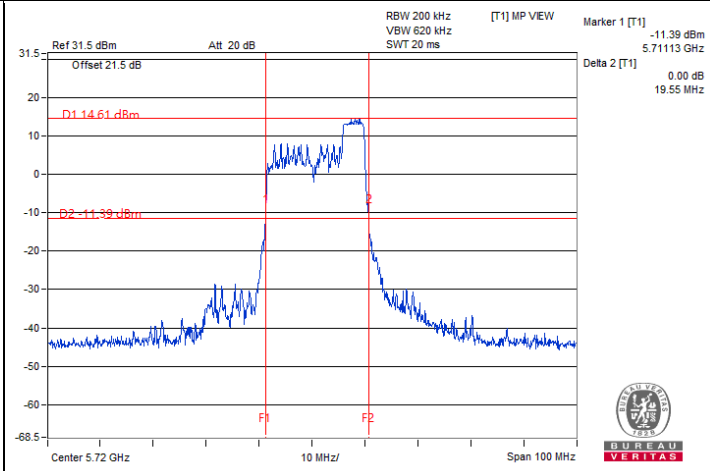
802.11be (EHT80) : CH 138 (U-NII-3)



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

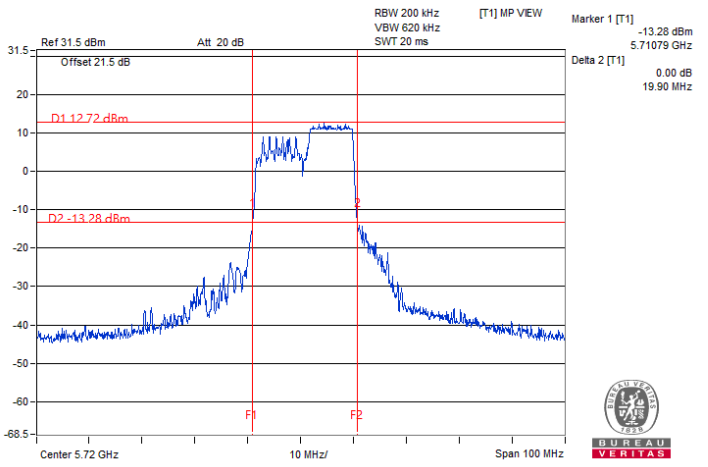


802.11be (EHT20) 26-tone RU : CH 144@8 (U-NII-3)

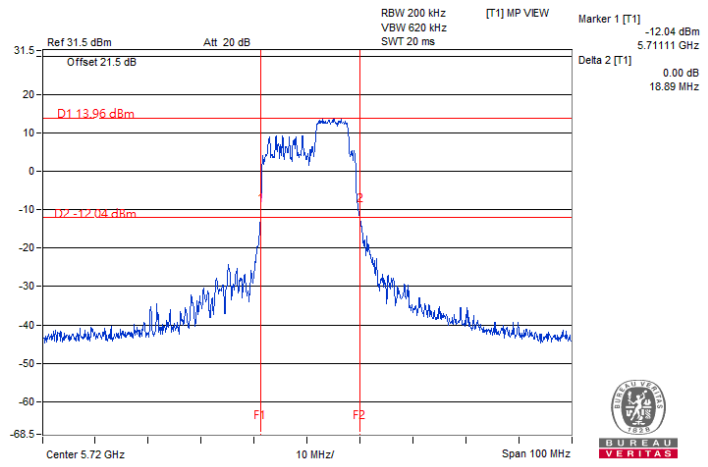


802.11be (EHT20) 52-tone RU : CH 144@40 (U-NII-3)

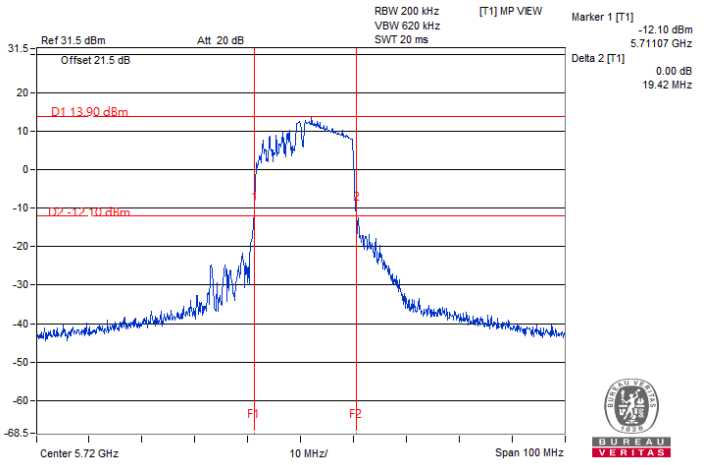
Spectrum Plot of Minimum Value



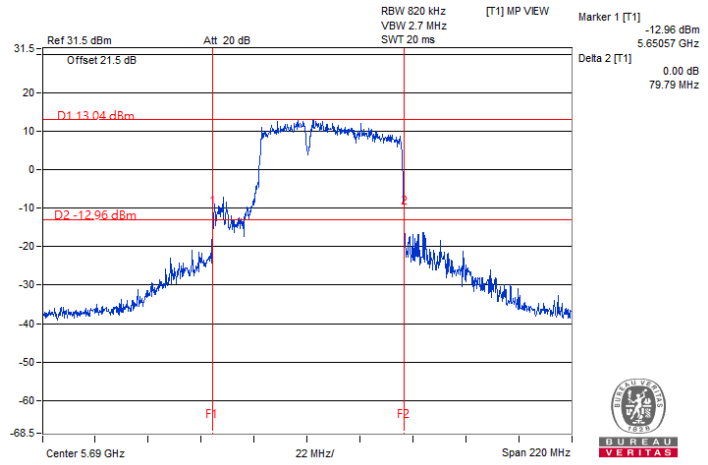
802.11be (EHT20) 106-tone RU : CH 144@54 (U-NII-3)



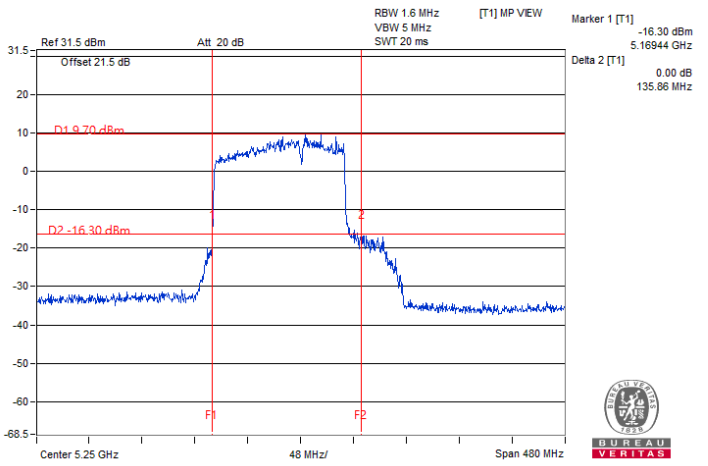
802.11be (EHT20) 52+26-tone MRU : CH 144@72 (U-NII-3)



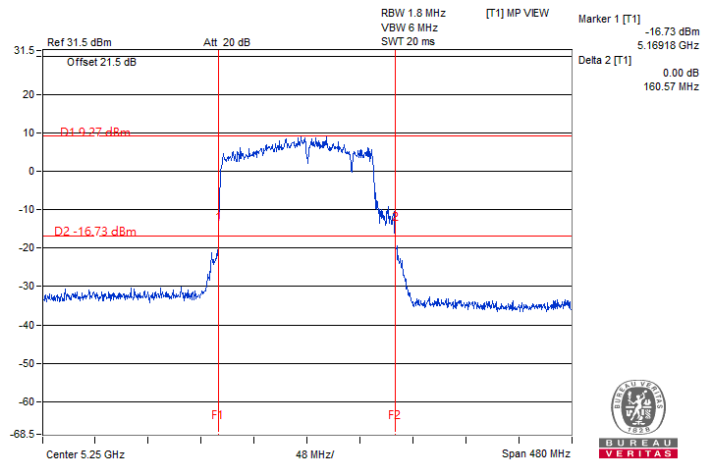
802.11be (EHT20) 106+26-tone MRU : CH 144@83 (U-NII-3)



802.11be (EHT80) 484+242-tone MRU : CH 138@90 (U-NII-3)



802.11be (EHT160) 996+484-tone MRU : CH 50@95-1 (U-NII-2A)



802.11be (EHT160) 996+484+242-tone MRU : CH 50@99-1 (U-NII-2A)

Notes:

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

2S2T

802.11be (EHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.77	19.76
60	5300	19.90	19.93
64	5320	19.83	19.77
100	5500	20.16	20.97
116	5580	19.85	19.78
140	5700	20.23	20.99
144 (U-NII-2C)	5720	14.58	14.58
144 (U-NII-3)	5720	5.23	5.18

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	19.76	23.95	<	24
60	5300	19.90	23.98	<	24
64	5320	19.77	23.96	<	24
100	5500	20.16	24.04	>	24
116	5580	19.78	23.96	<	24
140	5700	20.23	24.05	>	24
144 (U-NII-2C)	5720	14.58	22.63	<	24

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

802.11be (EHT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	45.44	39.60
62	5310	39.58	39.57
102	5510	39.93	39.58
110	5550	39.48	42.12
134	5670	39.77	39.67
142 (U-NII-2C)	5710	34.62	34.45
142 (U-NII-3)	5710	10.41	10.41

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	39.60	26.97	>	24
62	5310	39.57	26.97	>	24
102	5510	39.58	26.97	>	24
110	5550	39.48	26.96	>	24
134	5670	39.67	26.98	>	24
142 (U-NII-2C)	5710	34.45	26.37	>	24

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

802.11be (EHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	98.00	98.76
106	5530	91.86	93.61
122	5610	80.16	80.04
138 (U-NII-2C)	5690	82.78	74.95
138 (U-NII-3)	5690	5.78	9.23

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	98.00	30.91	>	24
106	5530	91.86	30.63	>	24
122	5610	80.04	30.03	>	24
138 (U-NII-2C)	5690	74.95	29.74	>	24

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

802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	82.70	81.09
50 (U-NII-2A)	5250	82.27	84.20
114	5570	163.69	163.18

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	82.27	30.15	>	24
114	5570	163.18	33.12	>	24

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

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	19.46	19.23
100	5500	19.64	19.50
140	5700	19.48	19.31
144 (U-NII-2C)	5720	13.78	13.72
144 (U-NII-3)	5720	5.69	5.57

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
64	5320	19.23	23.83	<	24
100	5500	19.50	23.9	<	24
140	5700	19.31	23.85	<	24
144 (U-NII-2C)	5720	13.72	22.37	<	24

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

802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	19.77	19.41
100	5500	19.62	19.48
140	5700	19.70	19.46
144 (U-NII-2C)	5720	14.04	13.77
144 (U-NII-3)	5720	5.67	5.63

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
64	5320	19.41	23.88	<	24
100	5500	19.48	23.89	<	24
140	5700	19.46	23.89	<	24
144 (U-NII-2C)	5720	13.77	22.38	<	24

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

802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	21.20	19.82
100	5500	21.27	21.18
140	5700	20.32	19.41
144 (U-NII-2C)	5720	14.22	13.90
144 (U-NII-3)	5720	5.64	5.76

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
64	5320	19.82	23.97	<	24
100	5500	21.18	24.25	>	24
140	5700	19.41	23.88	<	24
144 (U-NII-2C)	5720	13.90	22.43	<	24

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

802.11be (EHT20) 52+26-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	18.91	18.77
100	5500	18.80	19.67
140	5700	18.85	18.57
144 (U-NII-2C)	5720	14.10	13.93
144 (U-NII-3)	5720	4.67	4.78

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
64	5320	18.77	23.73	<	24
100	5500	18.80	23.74	<	24
140	5700	18.57	23.68	<	24
144 (U-NII-2C)	5720	13.93	22.43	<	24

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

802.11be (EHT20) 106+26-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	19.32	19.10
100	5500	19.71	19.33
140	5700	19.33	19.36
144 (U-NII-2C)	5720	13.90	13.84
144 (U-NII-3)	5720	5.48	5.44

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
64	5320	19.10	23.81	<	24
100	5500	19.33	23.86	<	24
140	5700	19.33	23.86	<	24
144 (U-NII-2C)	5720	13.84	22.41	<	24

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

802.11be (EHT80) 484+242-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	79.19	79.80
106	5530	98.97	98.07
138 (U-NII-2C)	5690	74.12	73.74
138 (U-NII-3)	5690	23.53	23.52

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	79.19	29.98	>	24
106	5530	98.07	30.91	>	24
138 (U-NII-2C)	5690	73.74	29.67	>	24

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

802.11be (EHT160) 996+484-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	80.57	80.50
50 (U-NII-2A)	5250	63.49	55.51
114	5570	146.56	140.68

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	55.51	28.44	>	24
114	5570	140.68	32.48	>	24

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

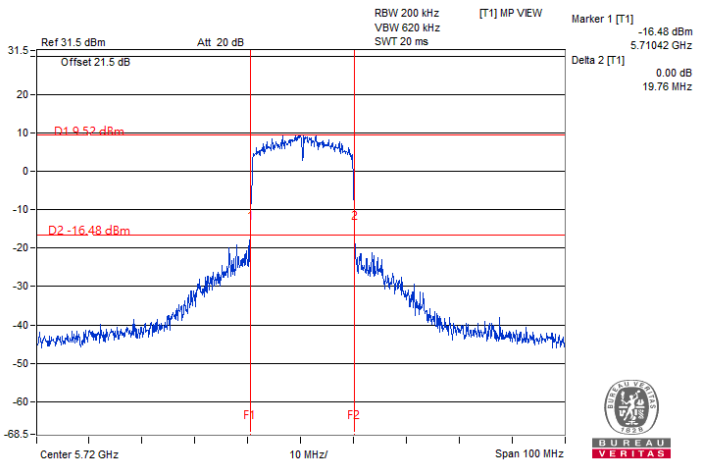
802.11be (EHT160) 996+484+242-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	80.35	80.40
50 (U-NII-2A)	5250	78.50	78.33
114	5570	161.01	159.10

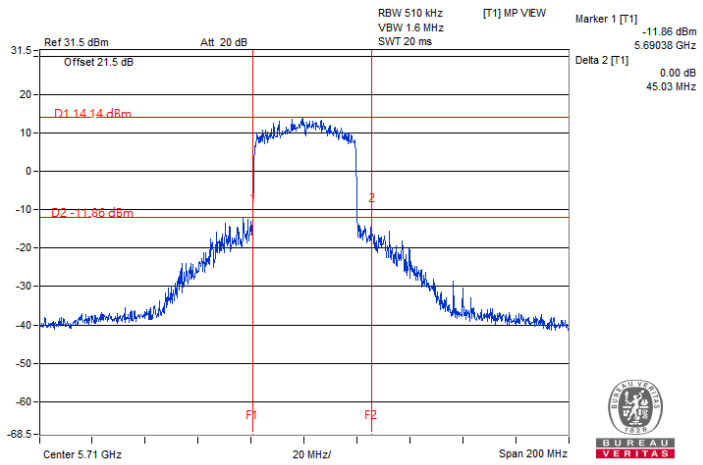
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	78.33	29.93	>	24
114	5570	159.10	33.01	>	24

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

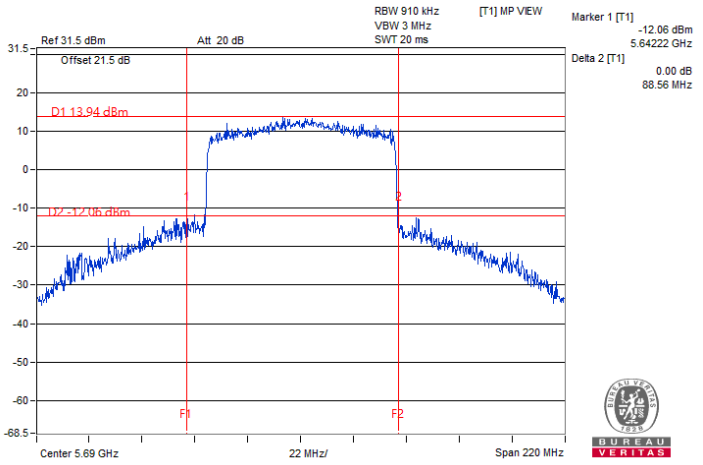
Spectrum Plot of Minimum Value



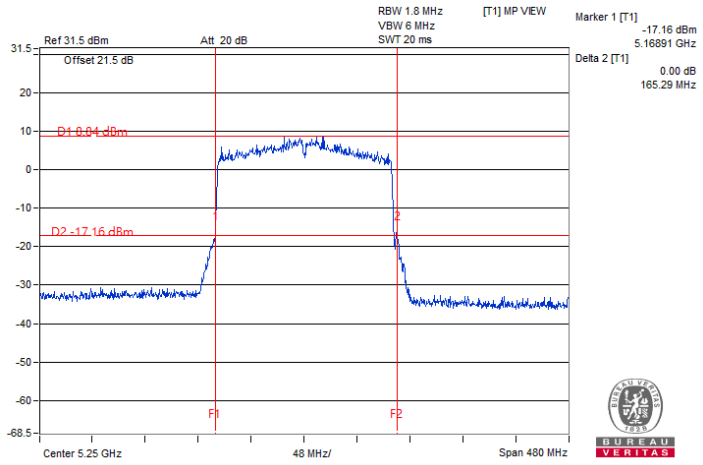
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



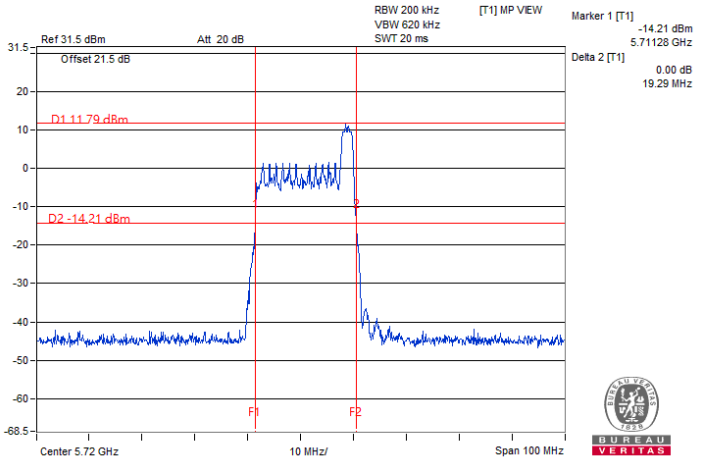
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-3)



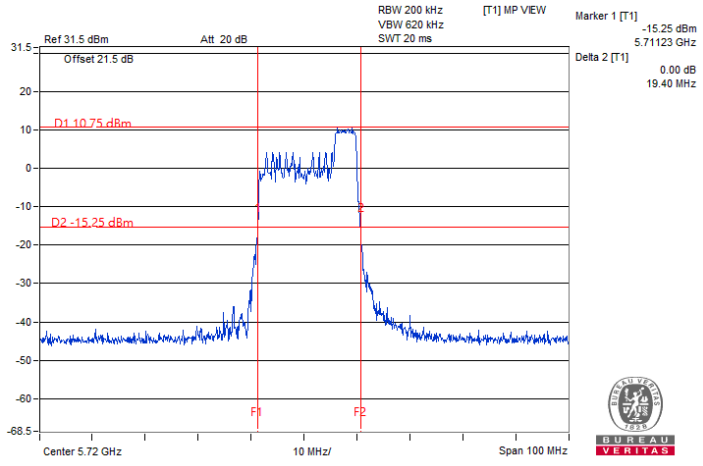
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-3)



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

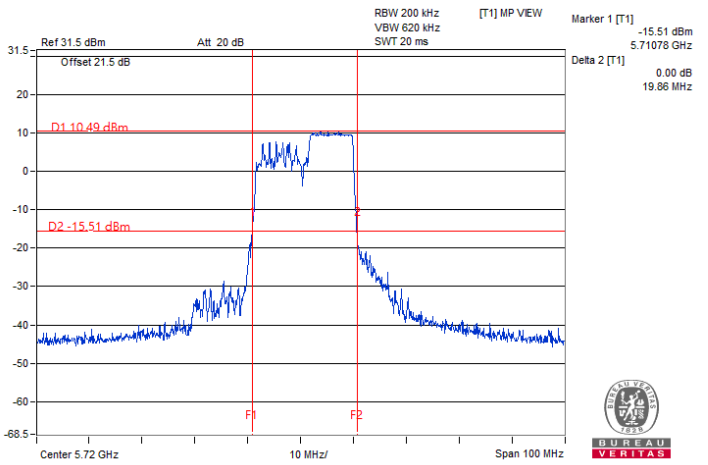


802.11be (EHT20) 26-tone RU / Chain 1 : CH 144@8 (U-NII-3)

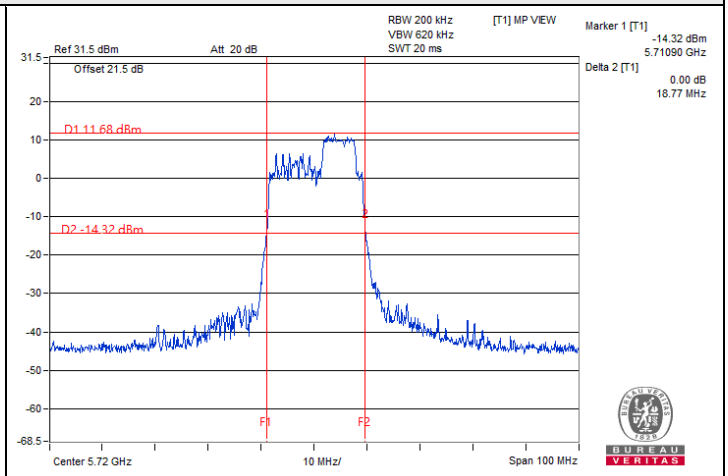


802.11be (EHT20) 52-tone RU / Chain 1 : CH 144@40 (U-NII-3)

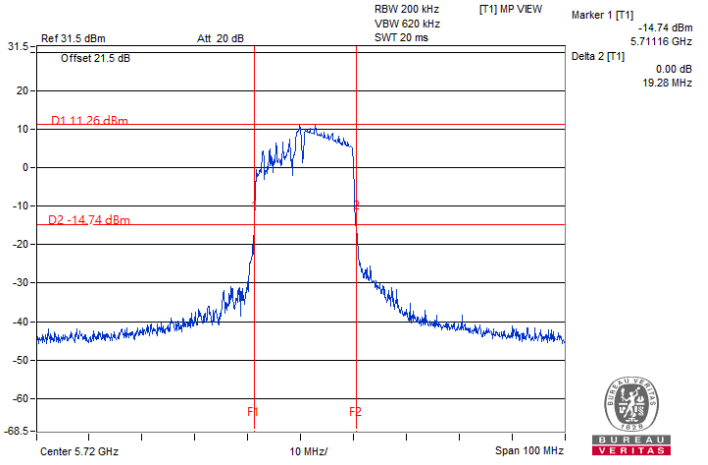
Spectrum Plot of Minimum Value



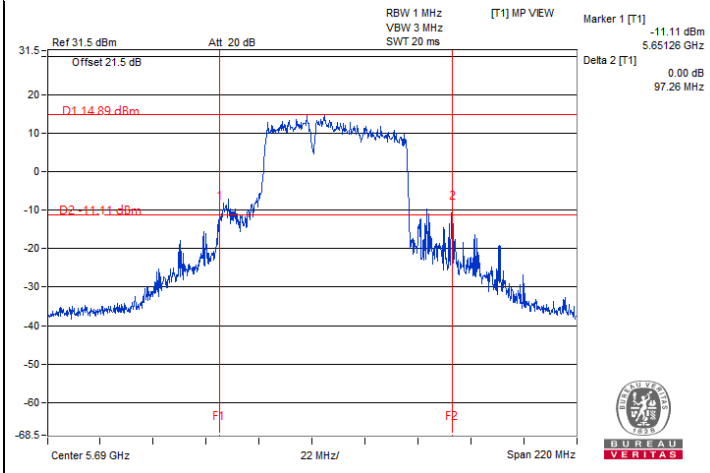
802.11be (EHT20) 106-tone RU / Chain 0 : CH 144@54 (U-NII-3)



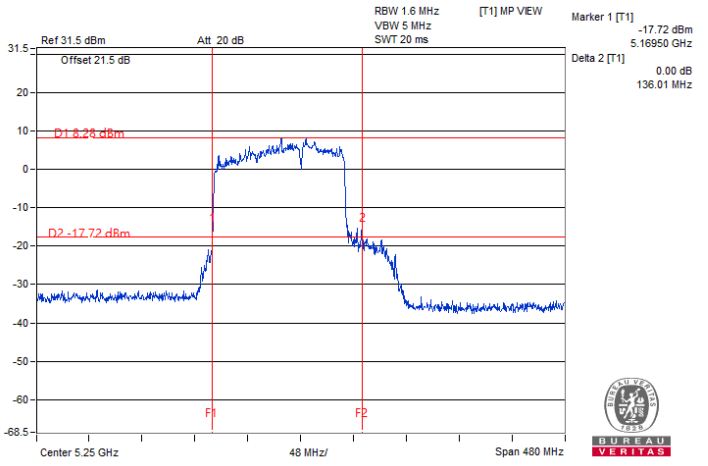
802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 144@72 (U-NII-3)



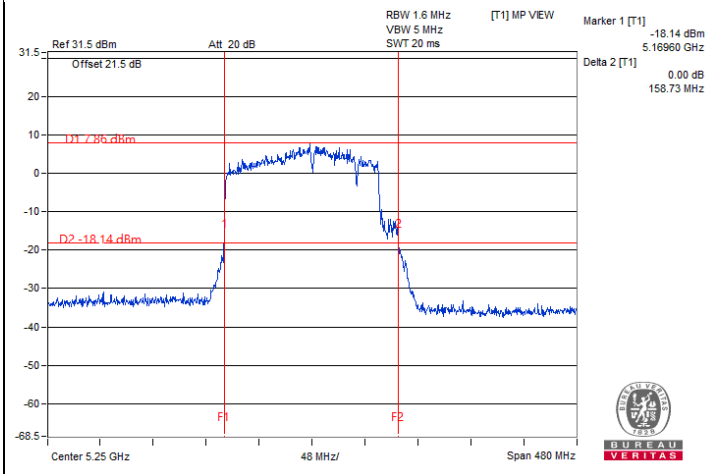
802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 144@83 (U-NII-3)



802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 138@90 (U-NII-3)



802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 50@95-1 (U-NII-2A)



802.11be (EHT160) 996+484+242-tone MRU / Chain 1 : CH 50@99-1 (U-NII-2A)

Notes:

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

7.2 RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu

1S1T

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
52	5260	141.254	21.50	24	Pass
60	5300	137.404	21.38	23.99	Pass
64	5320	103.514	20.15	24	Pass
100	5500	89.536	19.52	23.97	Pass
116	5580	142.889	21.55	24	Pass
140	5700	80.91	19.08	24	Pass
*144 (U-NII-2C)	5720	100.043	20.00	23.5	Pass
*144 (U-NII-3)	5720	18.758	12.73	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
54	5270	148.252	21.71	24	Pass
62	5310	80.91	19.08	24	Pass
102	5510	73.961	18.69	24	Pass
110	5550	174.985	22.43	24	Pass
134	5670	114.025	20.57	24	Pass
*142 (U-NII-2C)	5710	139.179	21.44	24	Pass
*142 (U-NII-3)	5710	9.629	9.84	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
58	5290	68.549	18.36	24	Pass
106	5530	81.47	19.11	24	Pass
122	5610	142.233	21.53	24	Pass
*138 (U-NII-2C)	5690	148.034	21.70	24	Pass
*138 (U-NII-3)	5690	5.039	7.02	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
*50 (U-NII-1)	5250	18.615	12.70	24	Pass
*50 (U-NII-2A)	5250	17.818	12.51	24	Pass
114	5570	57.28	17.58	24	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
64	5320	31.696	15.01	23.88	Pass
100	5500	32.885	15.17	23.92	Pass
140	5700	31.915	15.04	23.91	Pass
*144 (U-NII-2C)	5720	0.5947	-2.26	22.4	Pass
*144 (U-NII-3)	5720	36	15.56	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
64	5320	67.143	18.27	23.88	Pass
100	5500	66.988	18.26	23.91	Pass
140	5700	63.826	18.05	23.86	Pass
*144 (U-NII-2C)	5720	1.453	1.62	22.42	Pass
*144 (U-NII-3)	5720	72.494	18.60	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
64	5320	127.35	21.05	24	Pass
100	5500	129.42	21.12	24	Pass
140	5700	95.06	19.78	24	Pass
*144 (U-NII-2C)	5720	39.111	15.92	22.52	Pass
*144 (U-NII-3)	5720	53.248	17.26	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
64	5320	88.308	19.46	23.75	Pass
100	5500	86.896	19.39	23.73	Pass
140	5700	87.498	19.42	23.71	Pass
*144 (U-NII-2C)	5720	53.04	17.25	22.42	Pass
*144 (U-NII-3)	5720	40.795	16.11	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
64	5320	118.577	20.74	23.85	Pass
100	5500	122.744	20.89	24	Pass
140	5700	111.429	20.47	23.94	Pass
*144 (U-NII-2C)	5720	69.562	18.42	22.43	Pass
*144 (U-NII-3)	5720	34.227	15.34	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
58	5290	47.206	16.74	24	Pass
106	5530	46.989	16.72	24	Pass
*138 (U-NII-2C)	5690	87.09	19.40	24	Pass
*138 (U-NII-3)	5690	3.647	5.62	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
*50 (U-NII-1)	5250	20.019	13.01	24	Pass
*50 (U-NII-2A)	5250	12.287	10.89	24	Pass
114	5570	35.892	15.55	24	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

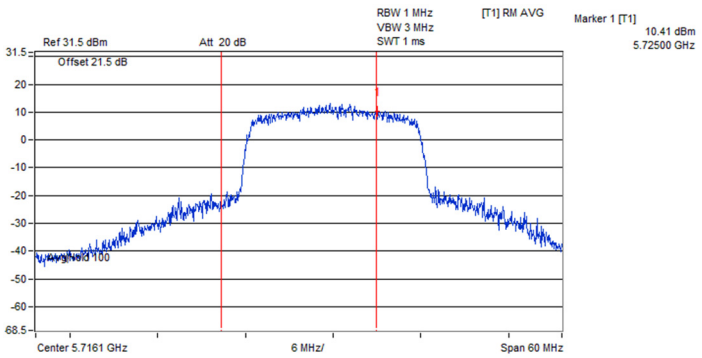
802.11be (EHT160) 996+484+242-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
*50 (U-NII-1)	5250	18.252	12.61	24	Pass
*50 (U-NII-2A)	5250	14.465	11.60	24	Pass
114	5570	36.141	15.58	24	Pass

Notes:

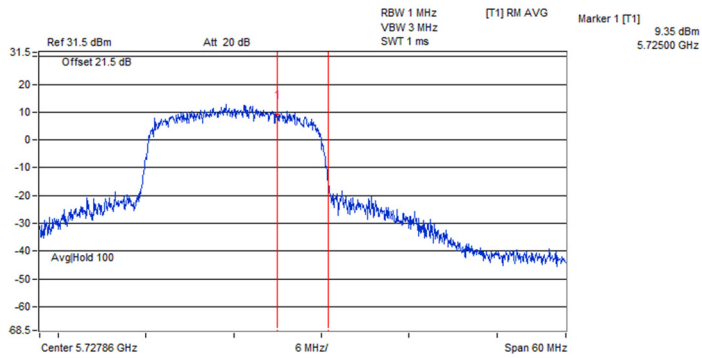
1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

Spectrum Plot for channel straddling



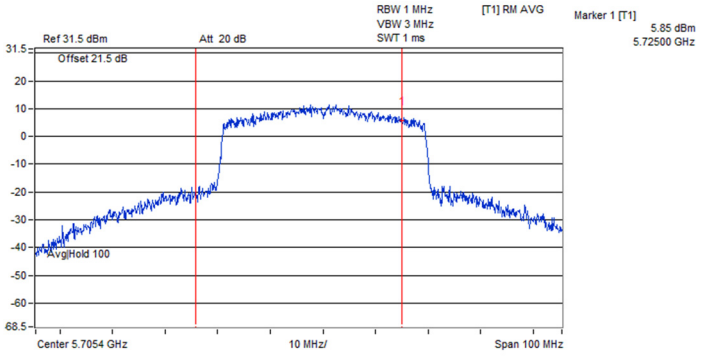
TX Channel Bandwidth 17.8 MHz Power 18.91 dBm

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



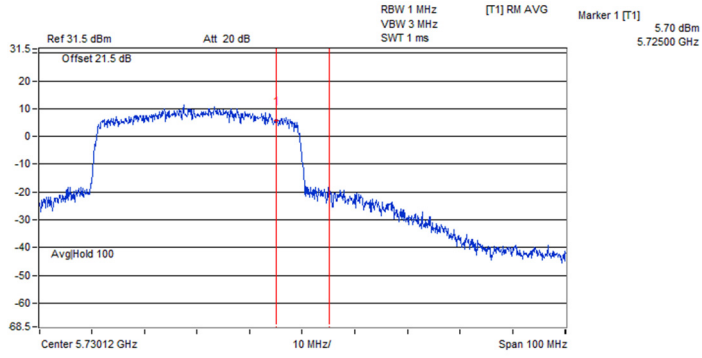
TX Channel Bandwidth 5.72 MHz Power 11.64 dBm

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



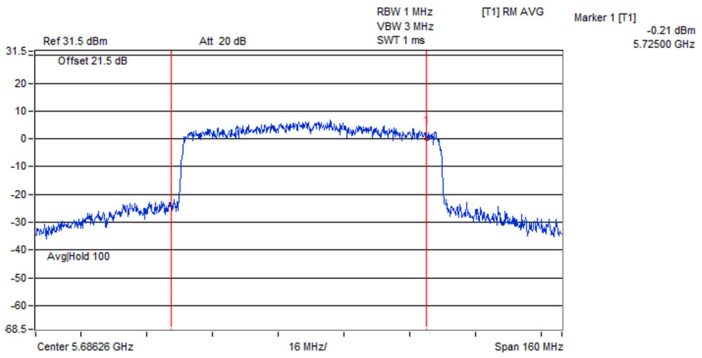
TX Channel Bandwidth 39.21 MHz Power 20.38 dBm

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



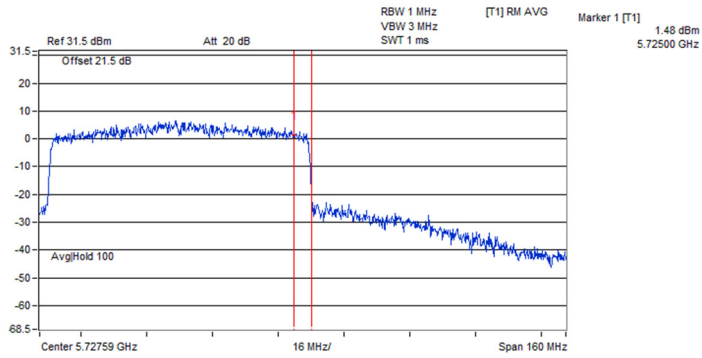
TX Channel Bandwidth 10.24 MHz Power 8.78 dBm

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



TX Channel Bandwidth 77.48 MHz Power 20.53 dBm

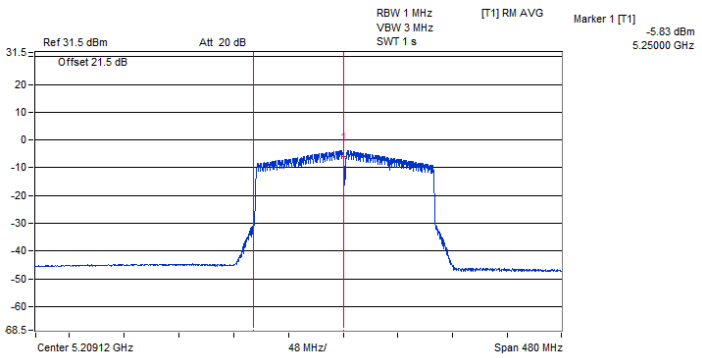
802.11be (EHT80) : CH 138 (U-NII-2C)



TX Channel Bandwidth 5.17 MHz Power 5.85 dBm

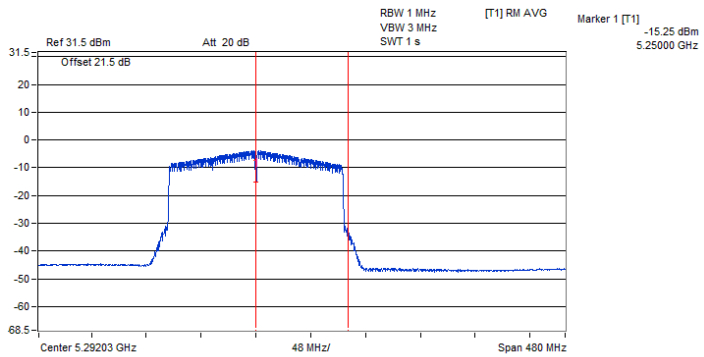
802.11be (EHT80) : CH 138 (U-NII-3)

Spectrum Plot for channel straddling



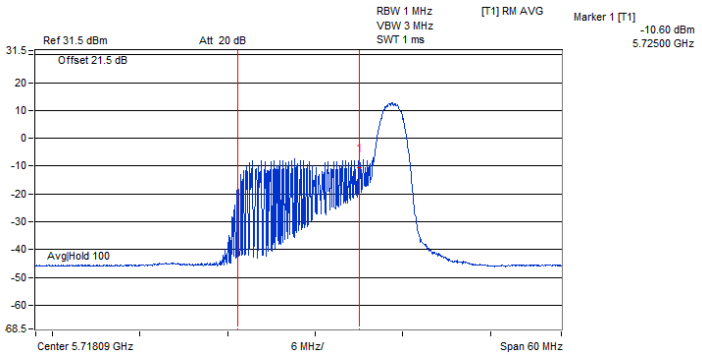
TX Channel Bandwidth 81.76 MHz Power 11.74 dBm

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



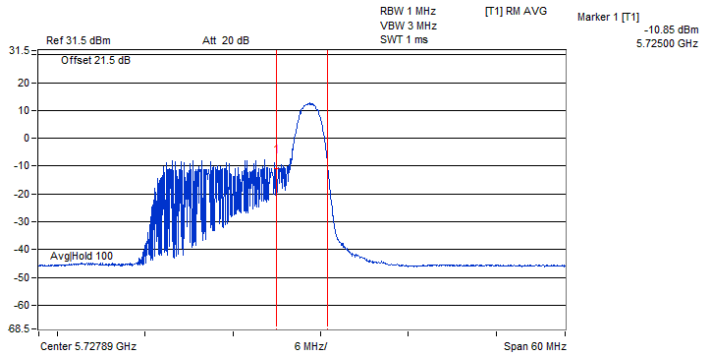
TX Channel Bandwidth 84.06 MHz Power 11.55 dBm

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



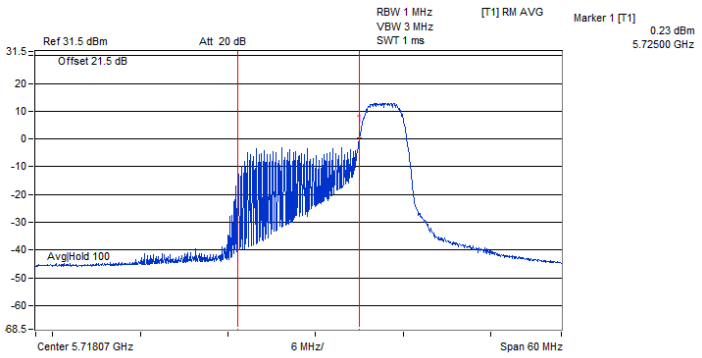
TX Channel Bandwidth 13.82 MHz Power -2.58 dBm

802.11be (EHT20) 26-tone RU : CH 144@8 (U-NII-2C)



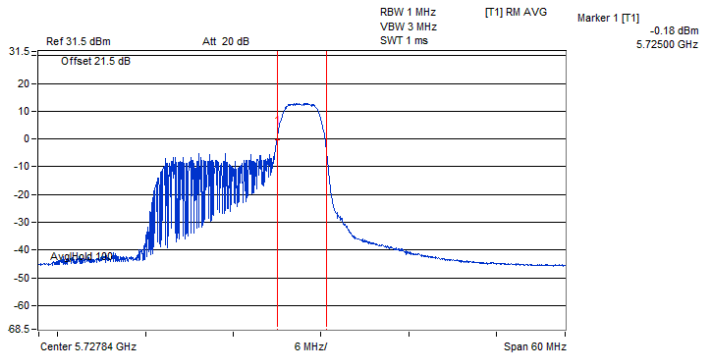
TX Channel Bandwidth 5.78 MHz Power 15.24 dBm

802.11be (EHT20) 26-tone RU : CH 144@8 (U-NII-3)



TX Channel Bandwidth 13.87 MHz Power 1.3 dBm

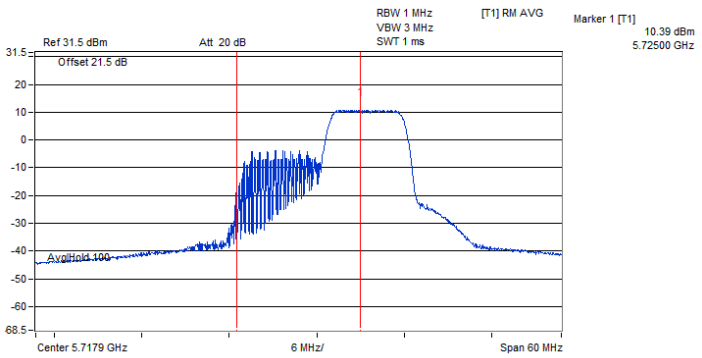
802.11be (EHT20) 52-tone RU : CH 144@40 (U-NII-2C)



TX Channel Bandwidth 5.68 MHz Power 18.28 dBm

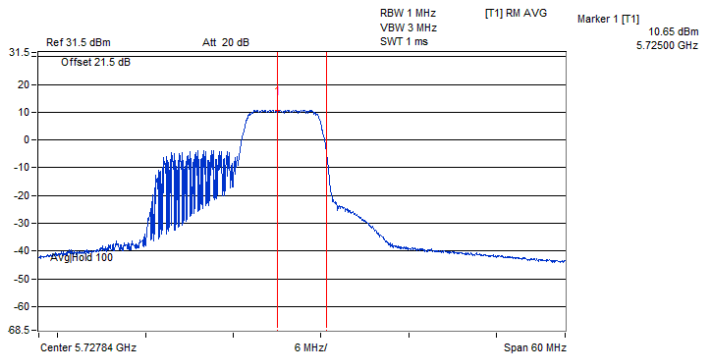
802.11be (EHT20) 52-tone RU : CH 144@40 (U-NII-3)

Spectrum Plot for channel straddling



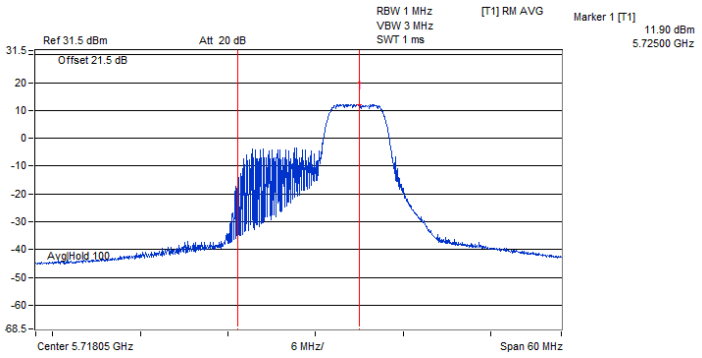
TX Channel Bandwidth 14.21 MHz Power 15.6 dBm

802.11be (EHT20) 106-tone RU : CH 144@54 (U-NII-2C)



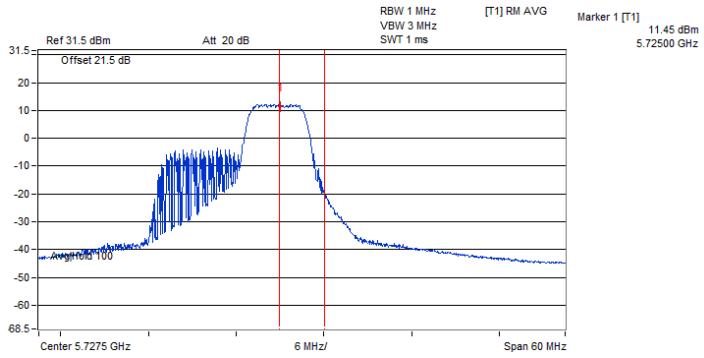
TX Channel Bandwidth 5.69 MHz Power 16.94 dBm

802.11be (EHT20) 106-tone RU : CH 144@54 (U-NII-3)



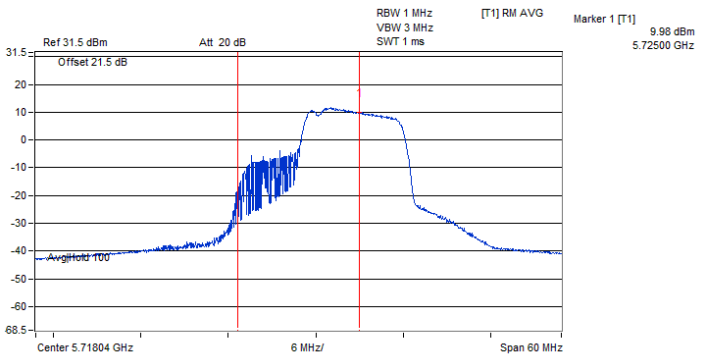
TX Channel Bandwidth 13.89 MHz Power 16.94 dBm

802.11be (EHT20) 52+26-tone MRU : CH 144@72 (U-NII-2C)



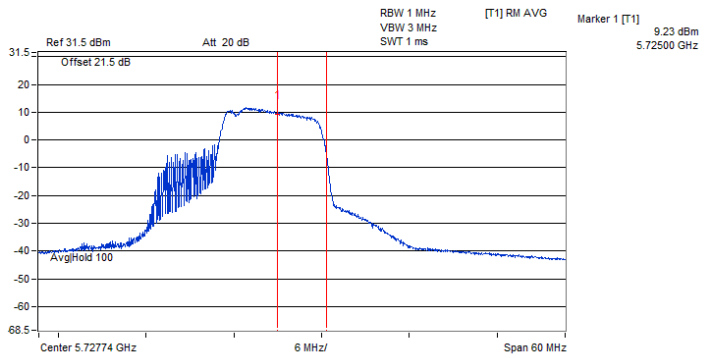
TX Channel Bandwidth 5 MHz Power 15.8 dBm

802.11be (EHT20) 52+26-tone MRU : CH 144@72 (U-NII-3)



TX Channel Bandwidth 13.93 MHz Power 18.14 dBm

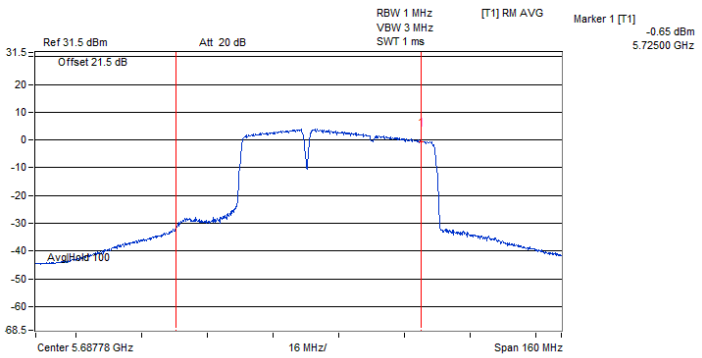
802.11be (EHT20) 106+26-tone MRU : CH 144@83 (U-NII-2C)



TX Channel Bandwidth 5.49 MHz Power 15.06 dBm

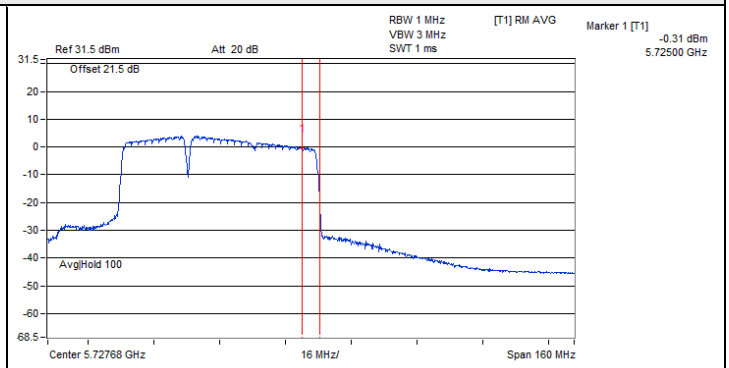
802.11be (EHT20) 106+26-tone MRU : CH 144@83 (U-NII-3)

Spectrum Plot for channel straddling



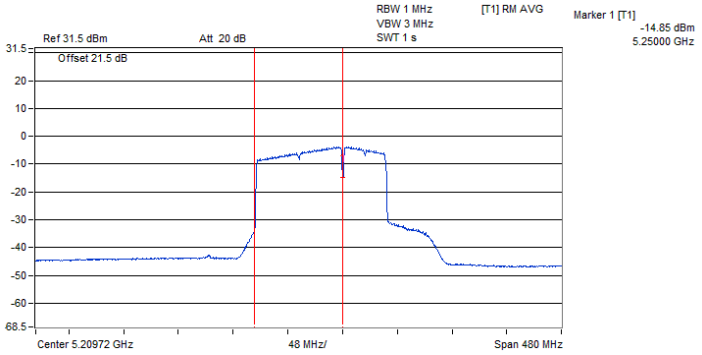
TX Channel Bandwidth 74.43 MHz Power 19.01 dBm

802.11be (EHT80) 484+242-tone MRU : CH 138@90 (U-NII-2C)



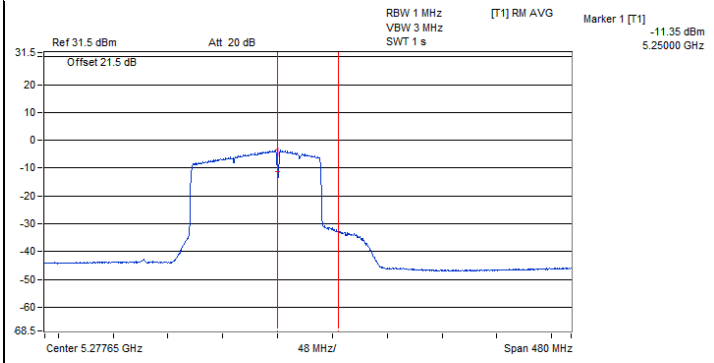
TX Channel Bandwidth 5.36 MHz Power 5.23 dBm

802.11be (EHT80) 484+242-tone MRU : CH 138@90 (U-NII-3)



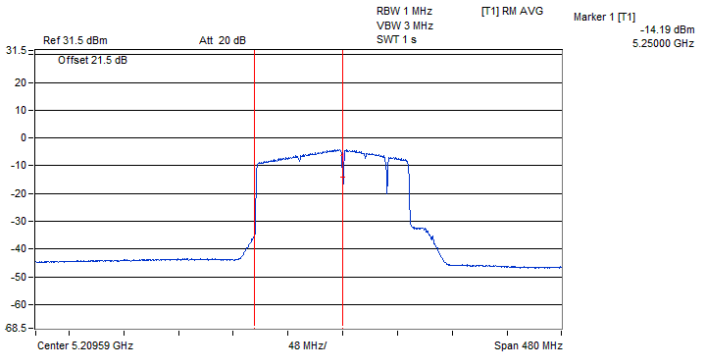
TX Channel Bandwidth 80.56 MHz Power 12.59 dBm

802.11be (EHT160) 996+484-tone MRU : CH 50@95-1 (U-NII-1)



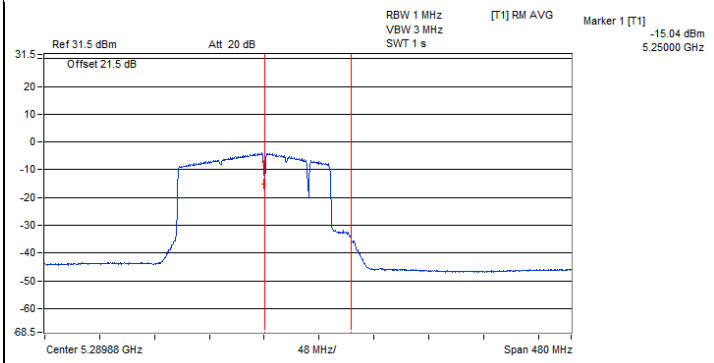
TX Channel Bandwidth 55.3 MHz Power 10.47 dBm

802.11be (EHT160) 996+484-tone MRU : CH 50@95-1 (U-NII-2A)



TX Channel Bandwidth 80.82 MHz Power 12.19 dBm

802.11be (EHT160) 996+484+242-tone MRU : CH 50@99-1 (U-NII-1)



TX Channel Bandwidth 79.75 MHz Power 11.18 dBm

802.11be (EHT160) 996+484+242-tone MRU : CH 50@99-1 (U-NII-2A)

2S2T

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
52	5260	19.69	19.77	187.953	22.74	23.95	Pass
60	5300	19.67	19.67	185.366	22.68	23.98	Pass
64	5320	19.73	19.69	187.083	22.72	23.96	Pass
100	5500	19.84	19.82	192.323	22.84	24	Pass
116	5580	19.80	19.94	194.127	22.88	23.96	Pass
140	5700	19.71	19.79	188.82	22.76	24	Pass
*144 (U-NII-2C)	5720	14.87	17.89	141.287	21.50	22.63	Pass
*144 (U-NII-3)	5720	8.53	9.58	24.833	13.95	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
54	5270	20.74	20.92	242.172	23.84	24	Pass
62	5310	18.66	18.69	147.412	21.69	24	Pass
102	5510	19.31	19.34	171.211	22.34	24	Pass
110	5550	20.64	20.83	236.938	23.75	24	Pass
134	5670	20.60	20.87	236.995	23.75	24	Pass
*142 (U-NII-2C)	5710	18.37	18.34	211.551	23.25	24	Pass
*142 (U-NII-3)	5710	7.49	6.19	15.092	11.79	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
58	5290	17.48	17.69	114.725	20.60	24	Pass
106	5530	18.23	18.27	133.67	21.26	24	Pass
122	5610	20.73	20.92	241.899	23.84	24	Pass
*138 (U-NII-2C)	5690	18.44	17.31	192.531	22.85	24	Pass
*138 (U-NII-3)	5690	4.13	5.24	9.234	9.65	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	10.55	10.65	33.372	15.23	24	Pass
*50 (U-NII-2A)	5250	10.33	10.46	31.835	15.03	24	Pass
114	5570	16.78	16.65	93.881	19.73	24	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
64	5320	12.12	12.07	32.399	15.11	23.83	Pass
100	5500	12.42	12.50	35.241	15.47	23.9	Pass
140	5700	12.19	12.04	32.553	15.13	23.85	Pass
*144 (U-NII-2C)	5720	-3.64	-4.01	0.9396	-0.27	22.37	Pass
*144 (U-NII-3)	5720	11.59	11.36	31.821	15.03	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
64	5320	15.20	15.24	66.533	18.23	23.88	Pass
100	5500	15.33	15.40	68.793	18.38	23.89	Pass
140	5700	15.10	15.02	64.128	18.07	23.89	Pass
*144 (U-NII-2C)	5720	-0.10	-0.63	2.0862	3.19	22.38	Pass
*144 (U-NII-3)	5720	14.52	14.04	60.774	17.84	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
64	5320	18.24	18.30	134.289	21.28	23.97	Pass
100	5500	18.42	18.33	137.579	21.39	24	Pass
140	5700	18.02	18.01	126.628	21.03	23.88	Pass
*144 (U-NII-2C)	5720	13.90	13.80	54.965	17.40	22.43	Pass
*144 (U-NII-3)	5720	15.11	15.04	72.874	18.63	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
64	5320	17.05	17.21	103.301	20.14	23.73	Pass
100	5500	16.93	16.81	97.291	19.88	23.74	Pass
140	5700	16.94	16.86	97.96	19.91	23.68	Pass
*144 (U-NII-2C)	5720	14.09	14.00	58.287	17.66	22.43	Pass
*144 (U-NII-3)	5720	12.85	12.81	44.061	16.44	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
64	5320	18.11	18.30	132.323	21.22	23.81	Pass
100	5500	18.13	18.11	129.727	21.13	23.86	Pass
140	5700	17.80	17.84	121.069	20.83	23.86	Pass
*144 (U-NII-2C)	5720	15.31	15.28	75.903	18.80	22.41	Pass
*144 (U-NII-3)	5720	12.18	12.15	36.92	15.67	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
58	5290	14.86	14.90	61.523	17.89	24	Pass
106	5530	15.24	15.18	66.38	18.22	24	Pass
*138 (U-NII-2C)	5690	18.27	18.64	165.326	22.18	24	Pass
*138 (U-NII-3)	5690	4.46	4.89	6.926	8.40	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	11.03	10.98	29.635	14.72	24	Pass
*50 (U-NII-2A)	5250	8.83	9.21	18.781	12.74	24	Pass
114	5570	14.75	14.80	60.053	17.79	24	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

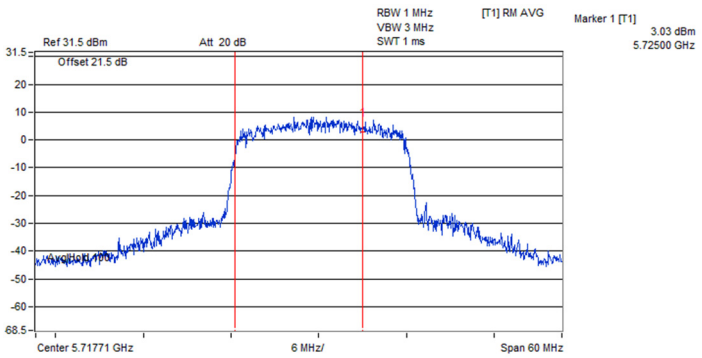
802.11be (EHT160) 996+484+242-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	10.64	10.44	26.561	14.24	24	Pass
*50 (U-NII-2A)	5250	9.56	9.82	21.844	13.39	24	Pass
114	5570	14.80	14.73	59.916	17.78	24	Pass

Notes:

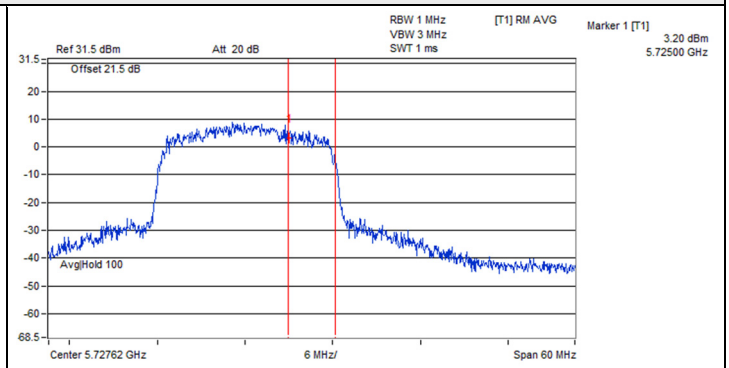
1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

Spectrum Plot for channel straddling



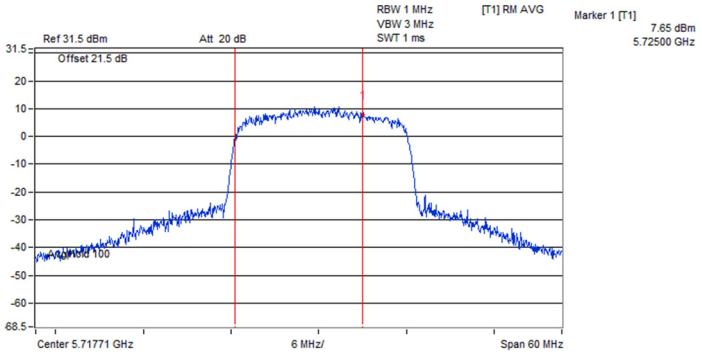
TX Channel Bandwidth 14.58 MHz Power 14.87 dBm

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



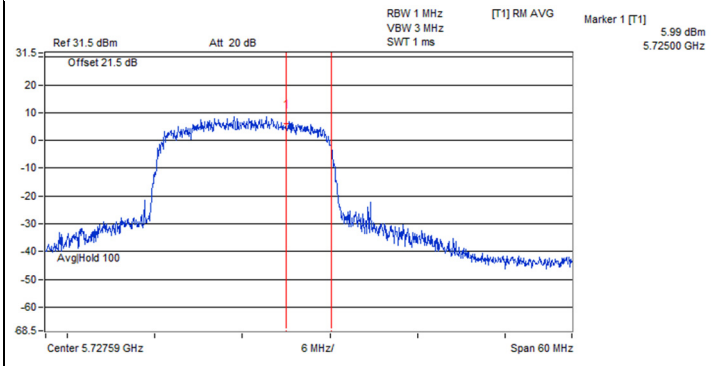
TX Channel Bandwidth 5.23 MHz Power 8.53 dBm

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



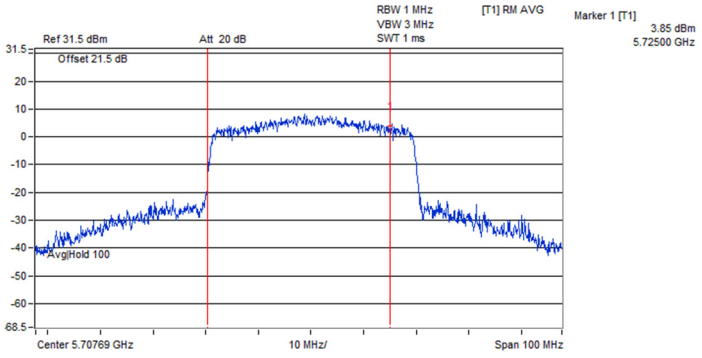
TX Channel Bandwidth 14.58 MHz Power 17.89 dBm

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



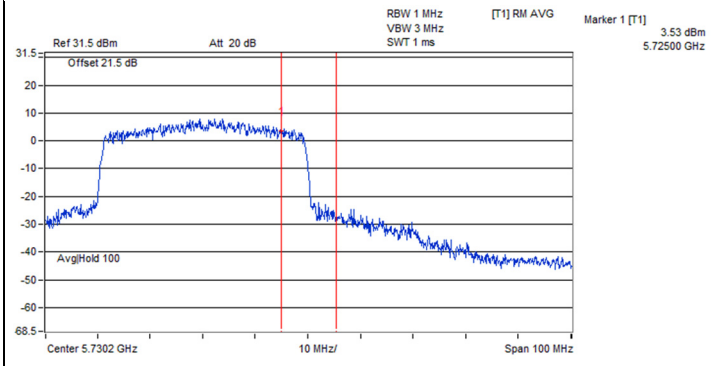
TX Channel Bandwidth 5.18 MHz Power 9.58 dBm

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



TX Channel Bandwidth 34.62 MHz Power 18.37 dBm

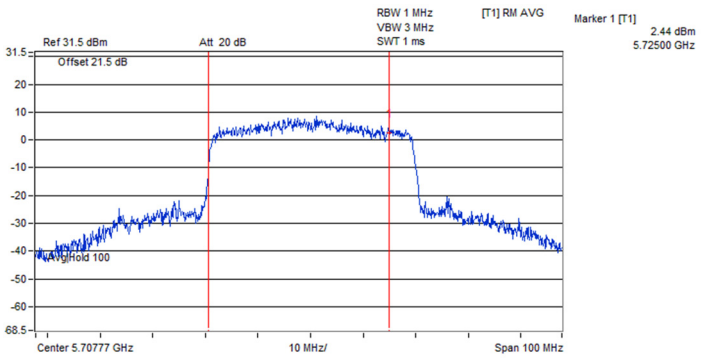
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-2C)



TX Channel Bandwidth 10.41 MHz Power 7.49 dBm

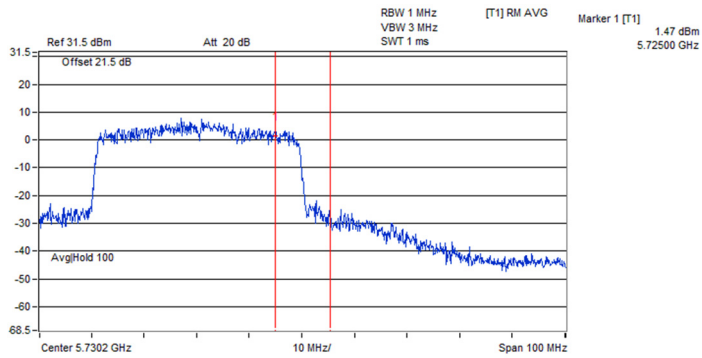
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-3)

Spectrum Plot for channel straddling



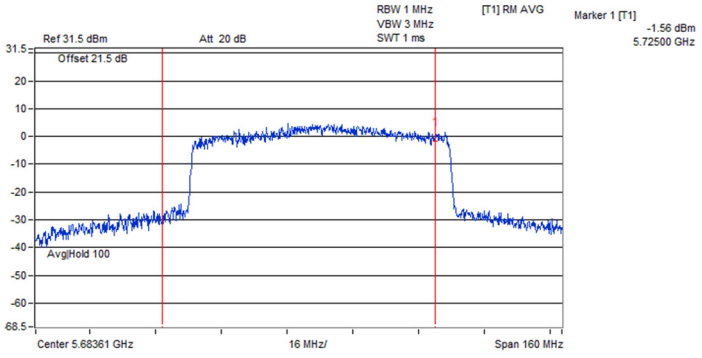
TX Channel Bandwidth 34.45 MHz Power 18.34 dBm

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



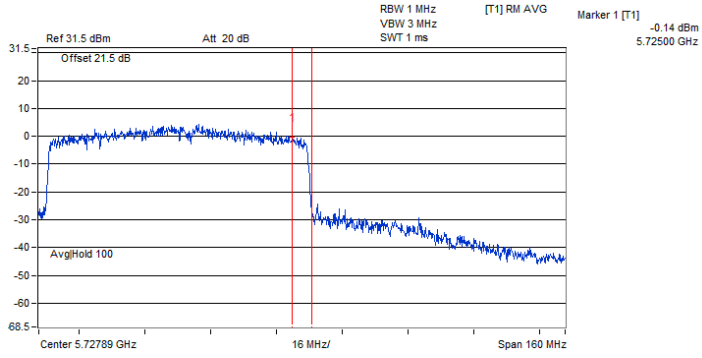
TX Channel Bandwidth 10.41 MHz Power 6.19 dBm

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



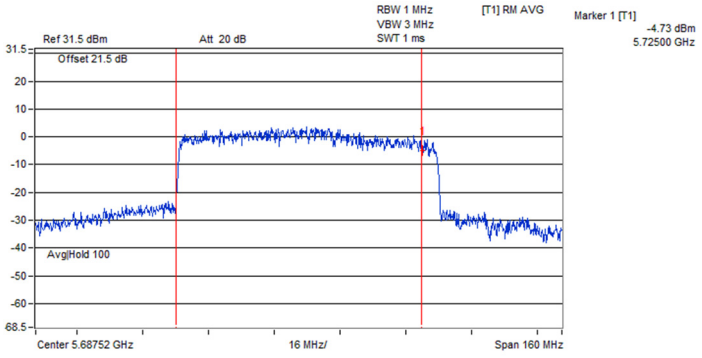
TX Channel Bandwidth 82.78 MHz Power 18.44 dBm

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



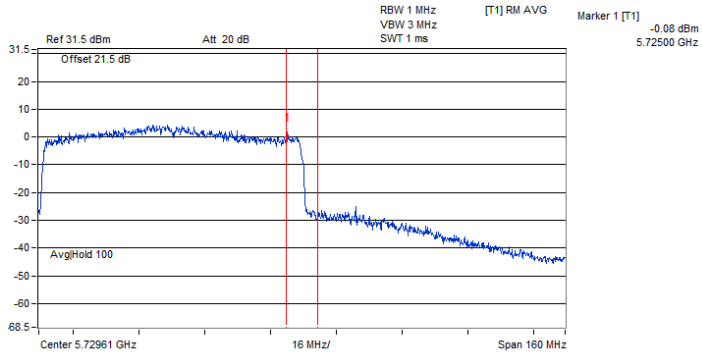
TX Channel Bandwidth 5.78 MHz Power 4.13 dBm

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



TX Channel Bandwidth 74.95 MHz Power 17.31 dBm

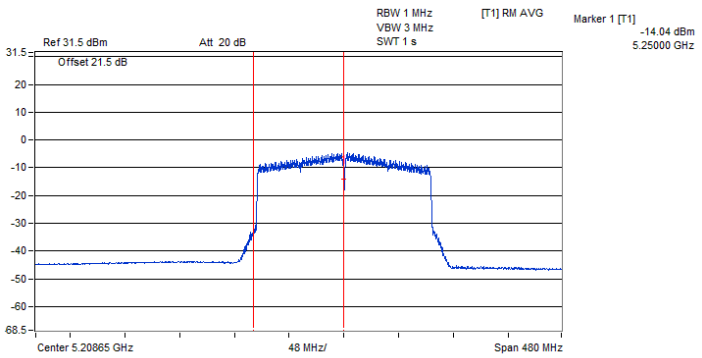
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)



TX Channel Bandwidth 9.23 MHz Power 5.24 dBm

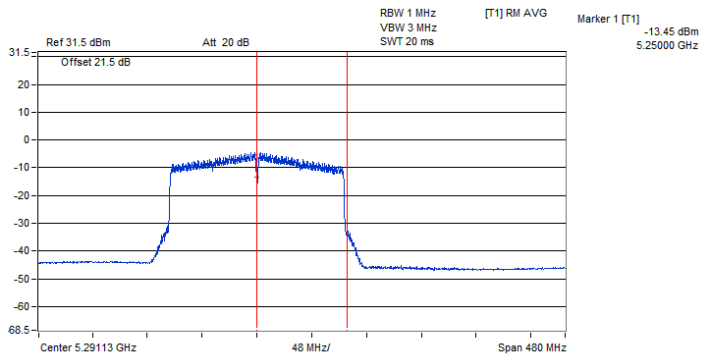
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-3)

Spectrum Plot for channel straddling



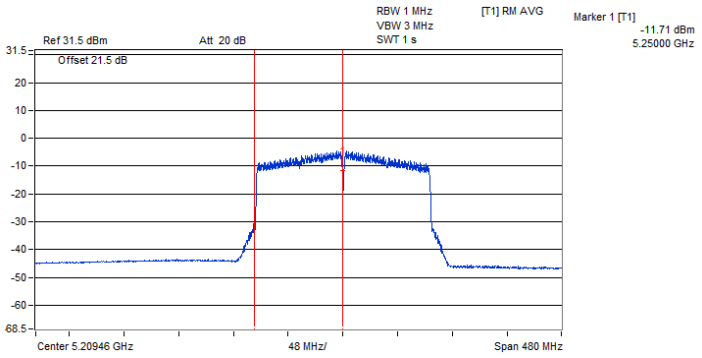
TX Channel Bandwidth 82.7 MHz Power 10.55 dBm

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



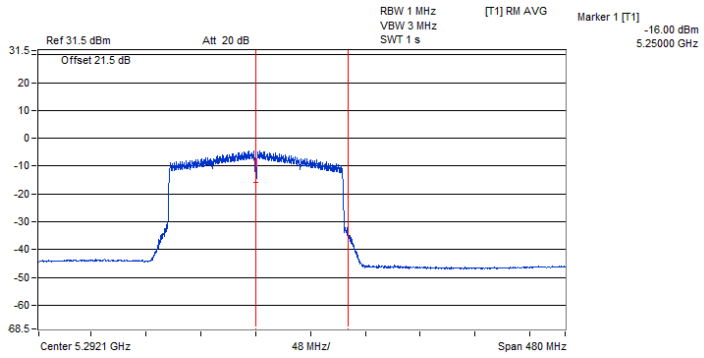
TX Channel Bandwidth 82.27 MHz Power 10.33 dBm

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



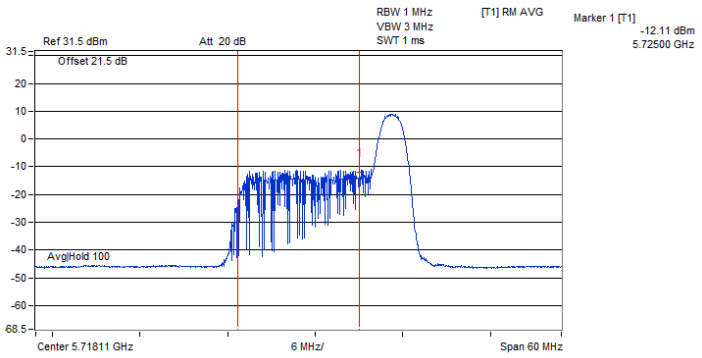
TX Channel Bandwidth 81.09 MHz Power 10.65 dBm

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



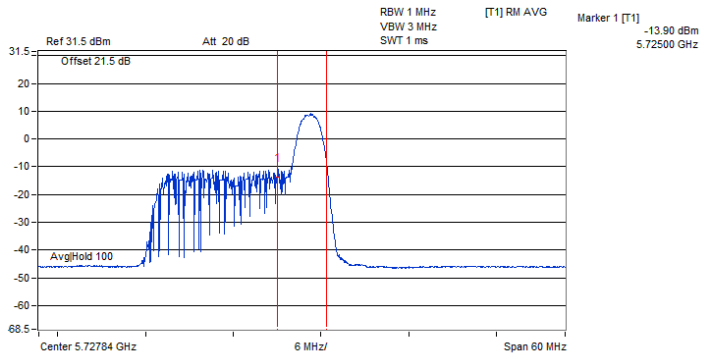
TX Channel Bandwidth 84.2 MHz Power 10.46 dBm

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



TX Channel Bandwidth 13.78 MHz Power -3.64 dBm

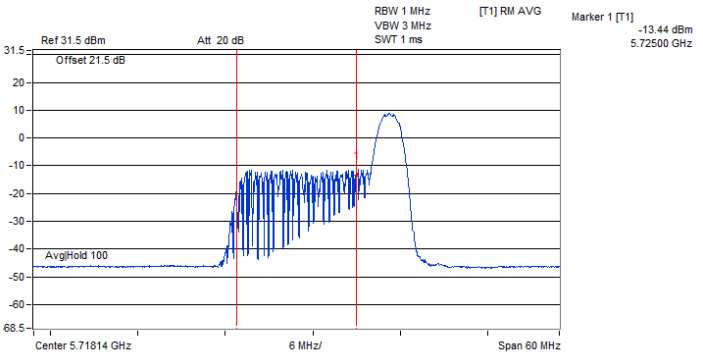
802.11be (EHT20) 26-tone RU / Chain 0 : CH 144@8 (U-NII-2C)



TX Channel Bandwidth 5.69 MHz Power 11.59 dBm

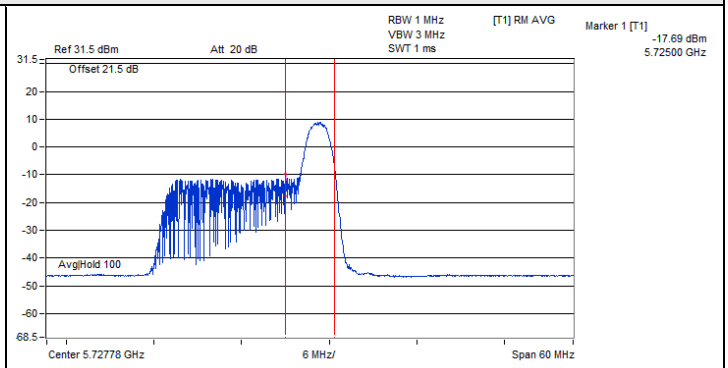
802.11be (EHT20) 26-tone RU / Chain 0 : CH 144@8 (U-NII-3)

Spectrum Plot for channel straddling



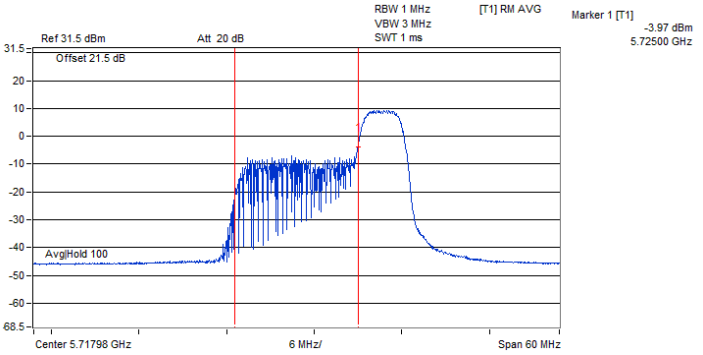
TX Channel Bandwidth 13.72 MHz Power -4.01 dBm

802.11be (EHT20) 26-tone RU / Chain 1 : CH 144@8 (U-NII-2C)



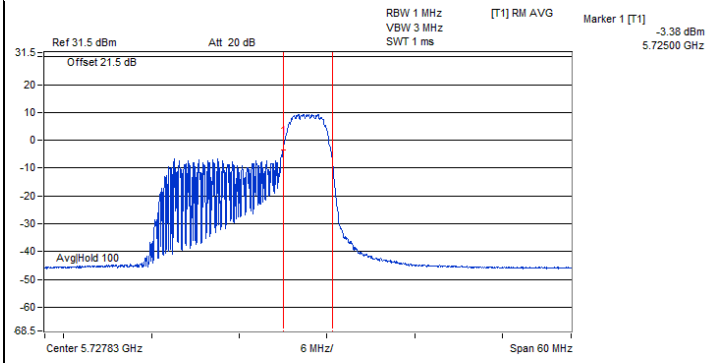
TX Channel Bandwidth 5.57 MHz Power 11.36 dBm

802.11be (EHT20) 26-tone RU / Chain 1 : CH 144@8 (U-NII-3)



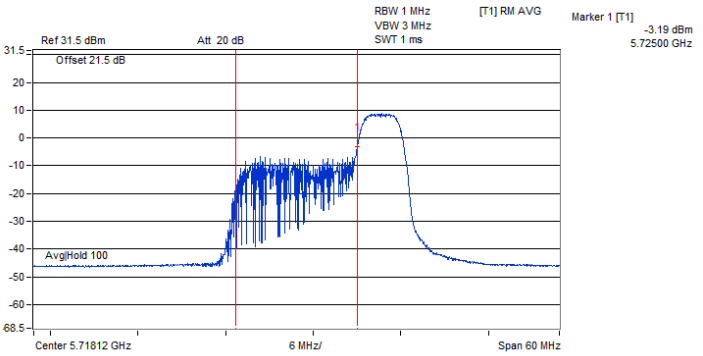
TX Channel Bandwidth 14.04 MHz Power -0.1 dBm

802.11be (EHT20) 52-tone RU / Chain 0 : CH 144@40 (U-NII-2C)



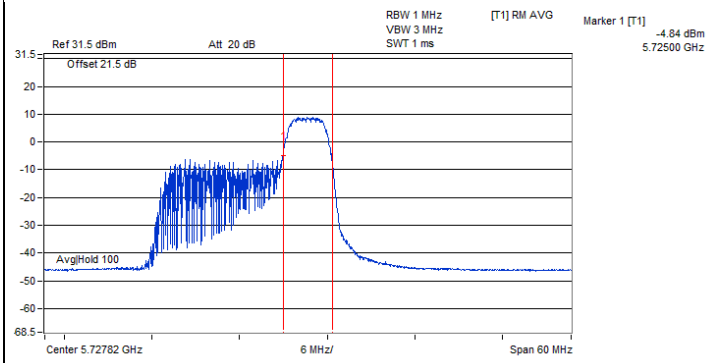
TX Channel Bandwidth 5.67 MHz Power 14.52 dBm

802.11be (EHT20) 52-tone RU / Chain 0 : CH 144@40 (U-NII-3)



TX Channel Bandwidth 13.77 MHz Power -0.63 dBm

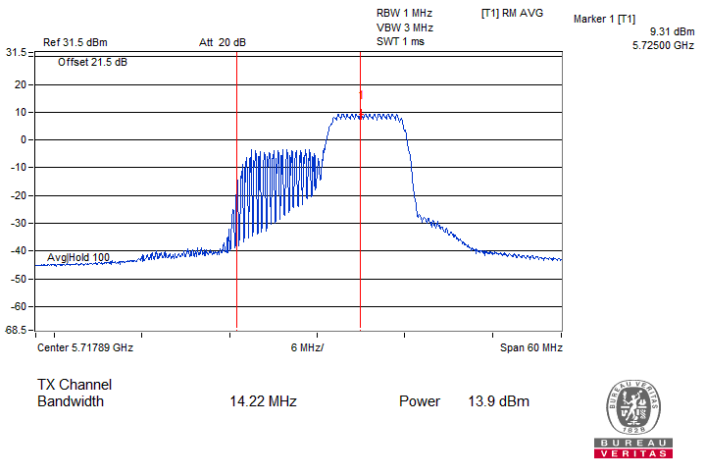
802.11be (EHT20) 52-tone RU / Chain 1 : CH 144@40 (U-NII-2C)



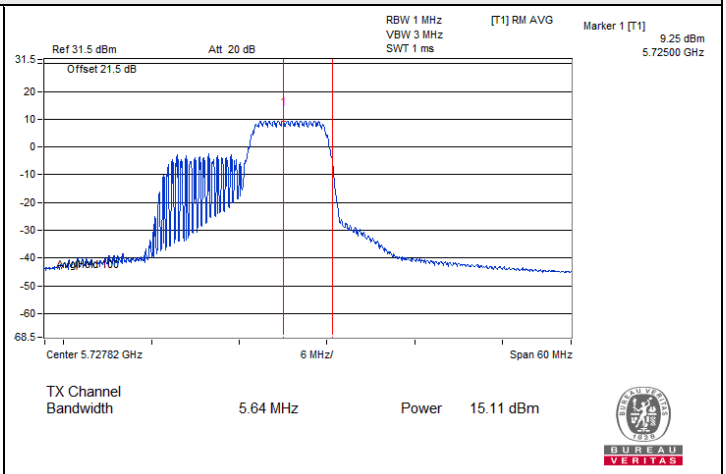
TX Channel Bandwidth 5.63 MHz Power 14.04 dBm

802.11be (EHT20) 52-tone RU / Chain 1 : CH 144@40 (U-NII-3)

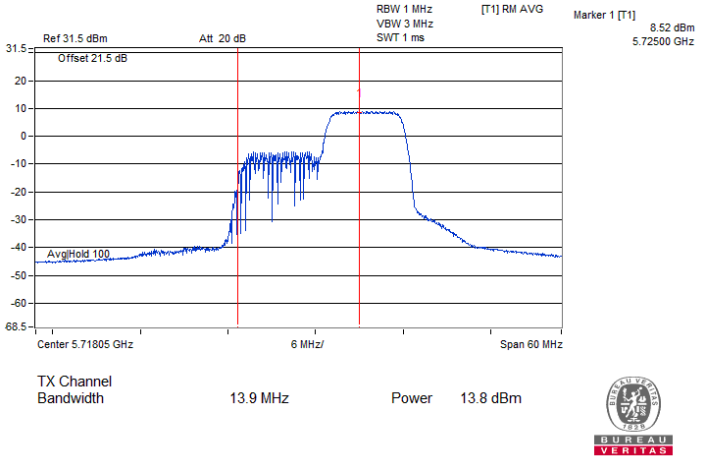
Spectrum Plot for channel straddling



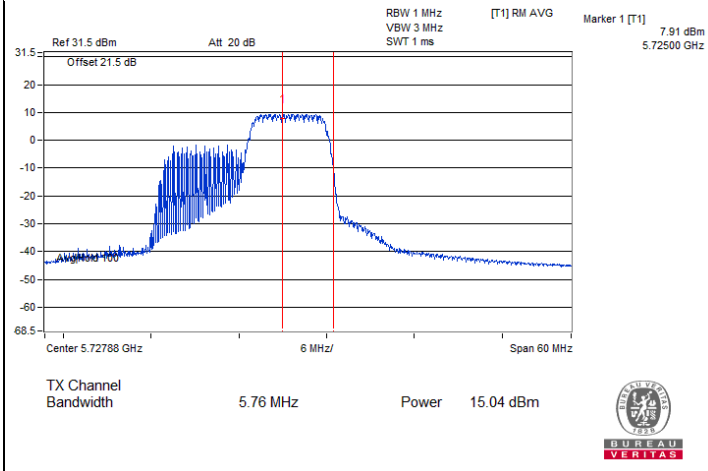
802.11be (EHT20) 106-tone RU / Chain 0 : CH 144@54 (U-NII-2C)



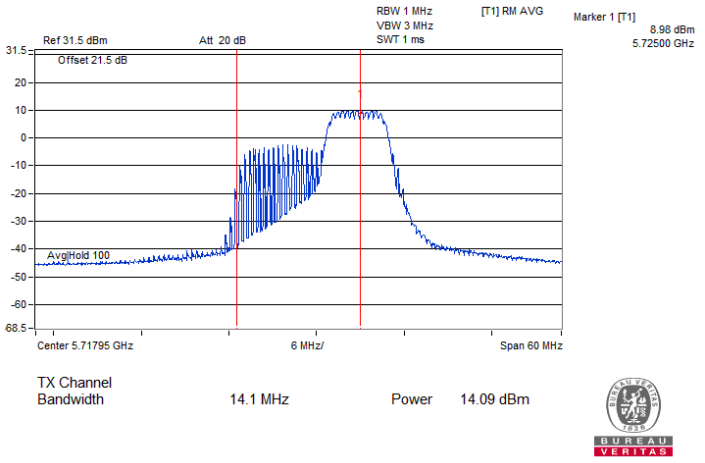
802.11be (EHT20) 106-tone RU / Chain 0 : CH 144@54 (U-NII-3)



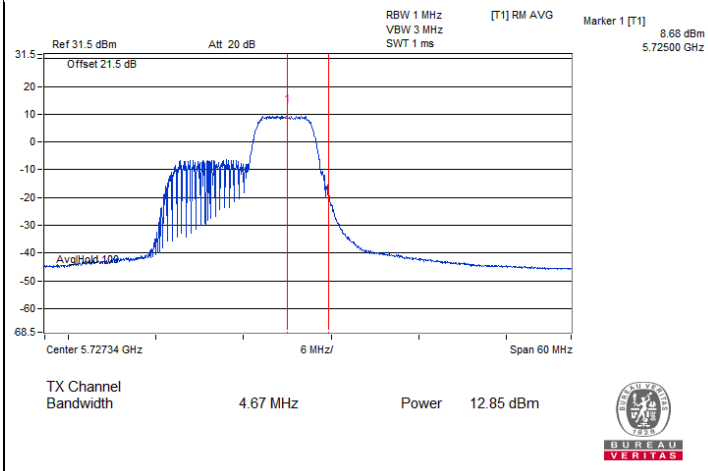
802.11be (EHT20) 106-tone RU / Chain 1 : CH 144@54 (U-NII-2C)



802.11be (EHT20) 106-tone RU / Chain 1 : CH 144@54 (U-NII-3)

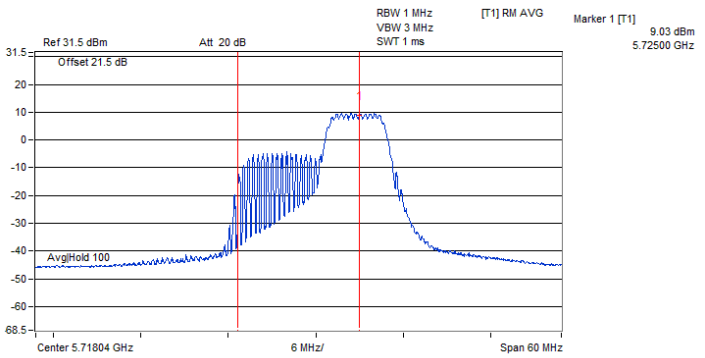


802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 144@72 (U-NII-2C)



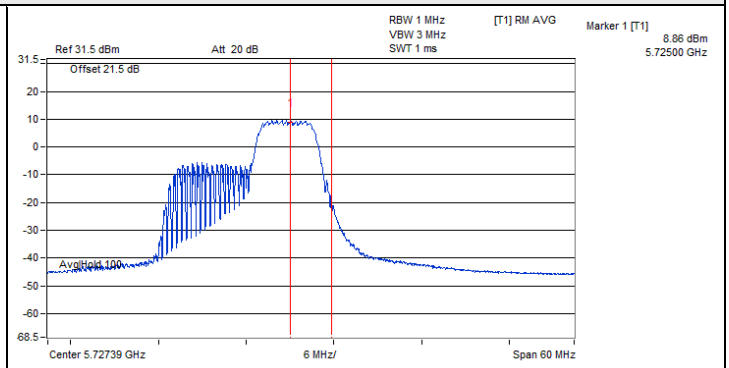
802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 144@72 (U-NII-3)

Spectrum Plot for channel straddling



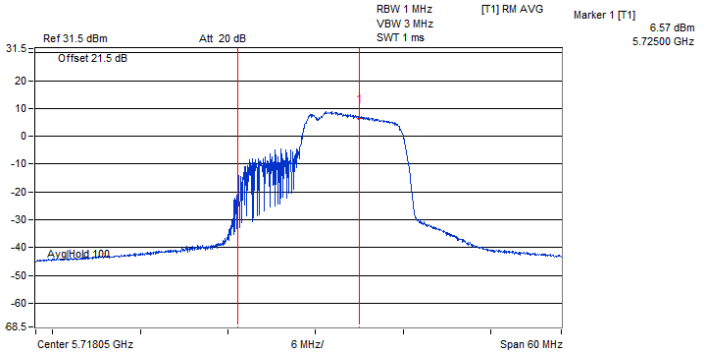
TX Channel Bandwidth 13.93 MHz Power 14 dBm

802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 144@72 (U-NII-2C)



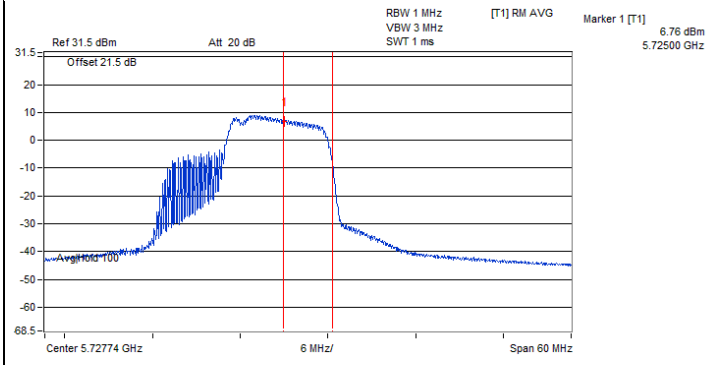
TX Channel Bandwidth 4.78 MHz Power 12.81 dBm

802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 144@72 (U-NII-3)



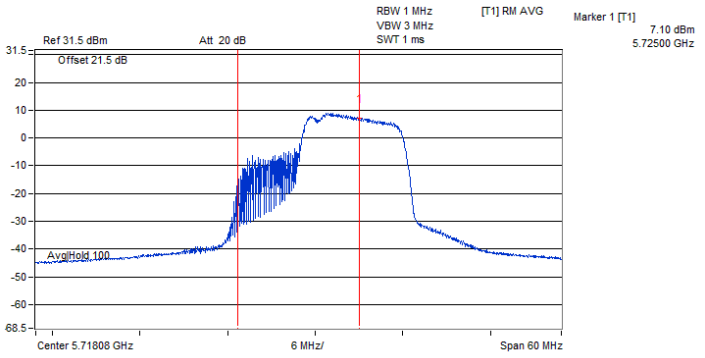
TX Channel Bandwidth 13.9 MHz Power 15.31 dBm

802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 144@83 (U-NII-2C)



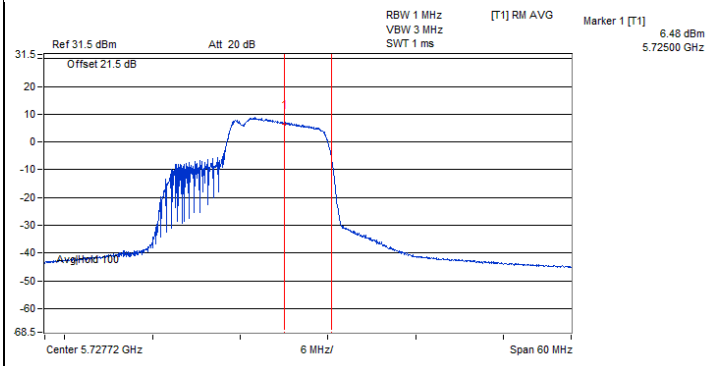
TX Channel Bandwidth 5.48 MHz Power 12.18 dBm

802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 144@83 (U-NII-3)



TX Channel Bandwidth 13.84 MHz Power 15.28 dBm

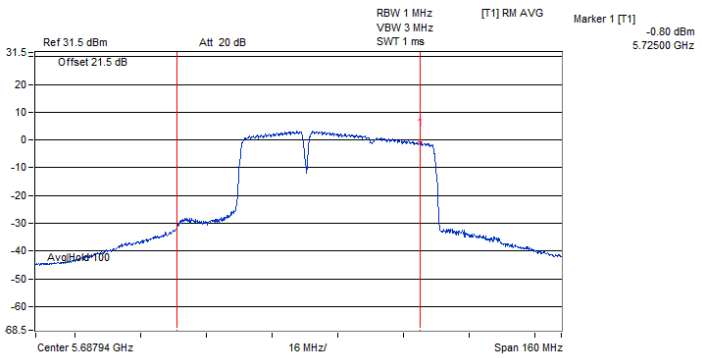
802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 144@83 (U-NII-2C)



TX Channel Bandwidth 5.44 MHz Power 12.15 dBm

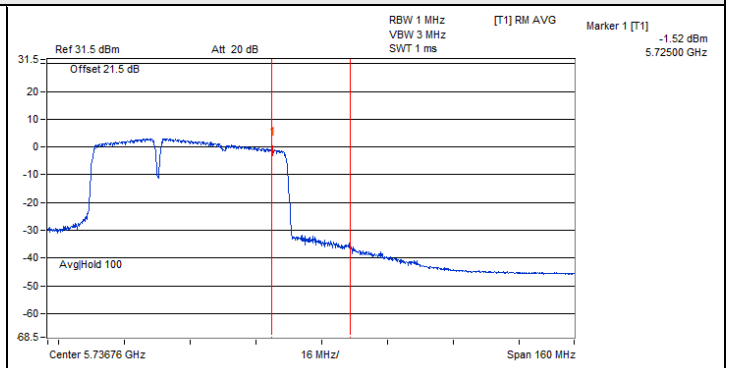
802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 144@83 (U-NII-3)

Spectrum Plot for channel straddling



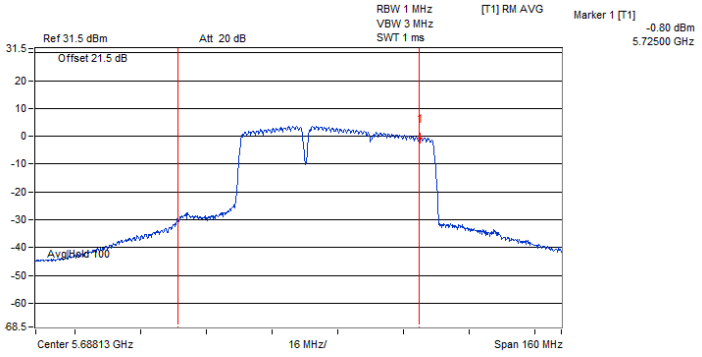
TX Channel Bandwidth 74.12 MHz Power 18.27 dBm

802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 138@90 (U-NII-2C)



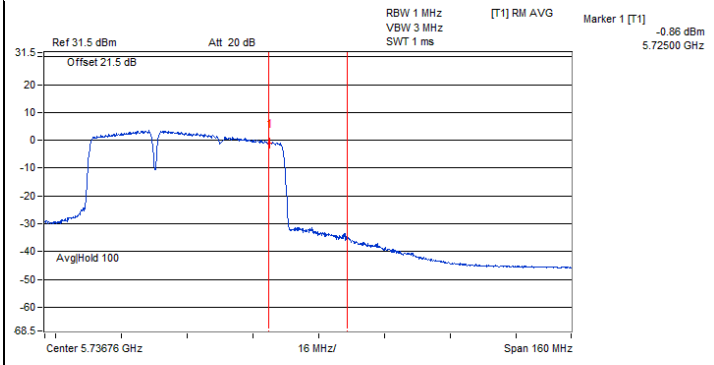
TX Channel Bandwidth 23.53 MHz Power 4.46 dBm

802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 138@90 (U-NII-3)



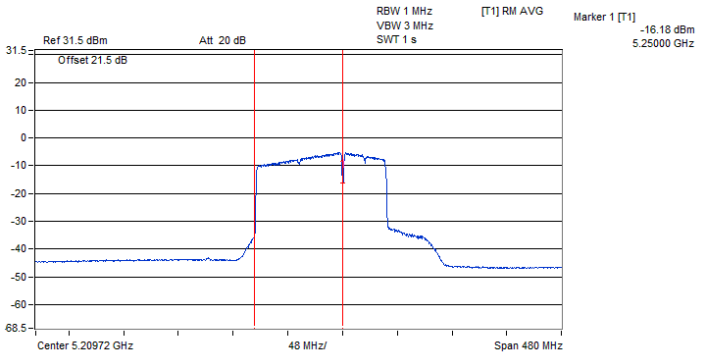
TX Channel Bandwidth 73.74 MHz Power 18.64 dBm

802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 138@90 (U-NII-2C)



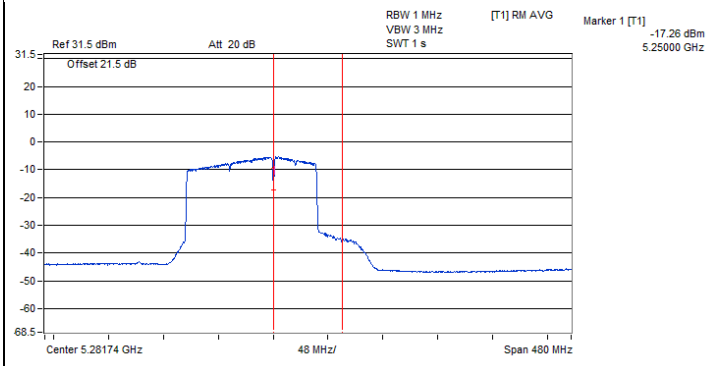
TX Channel Bandwidth 23.52 MHz Power 4.89 dBm

802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 138@90 (U-NII-3)



TX Channel Bandwidth 80.57 MHz Power 11.03 dBm

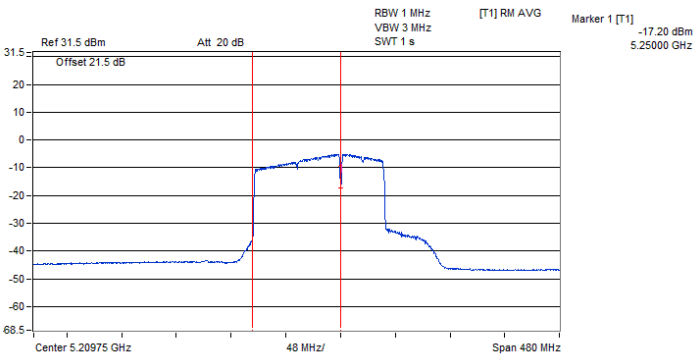
802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 50@95-1 (U-NII-1)



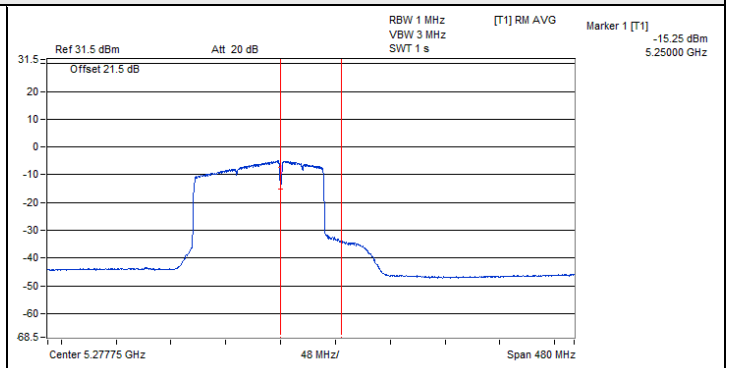
TX Channel Bandwidth 63.49 MHz Power 8.83 dBm

802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 50@95-1 (U-NII-2A)

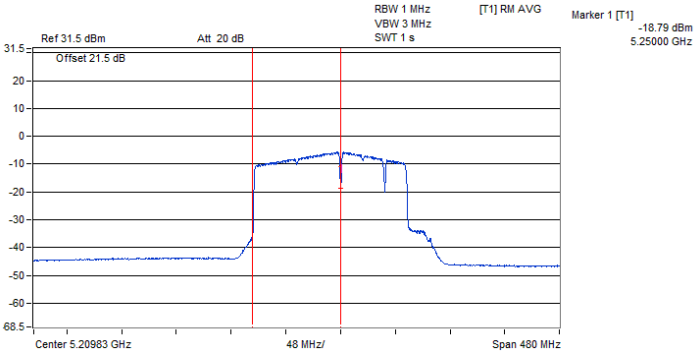
Spectrum Plot for channel straddling



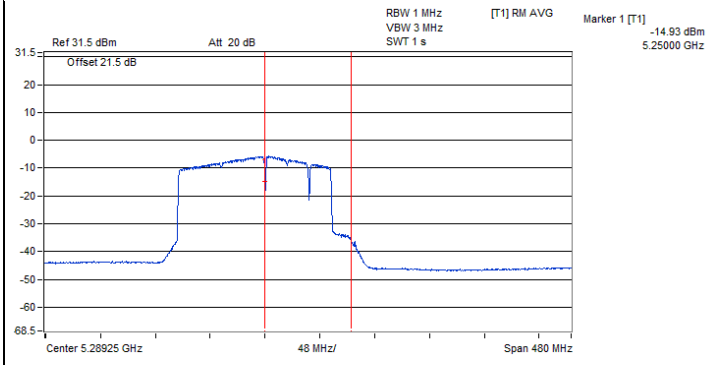
802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 50@95-1 (U-NII-1)



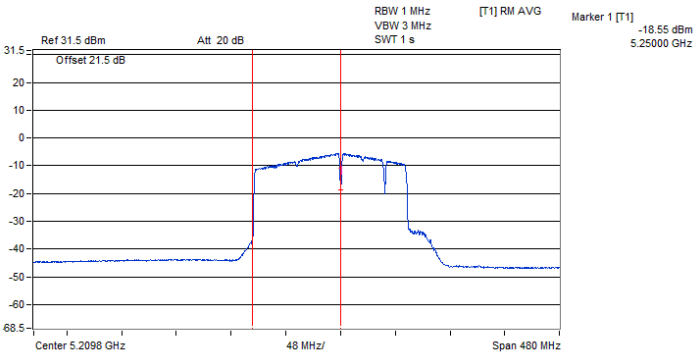
802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 50@95-1 (U-NII-2A)



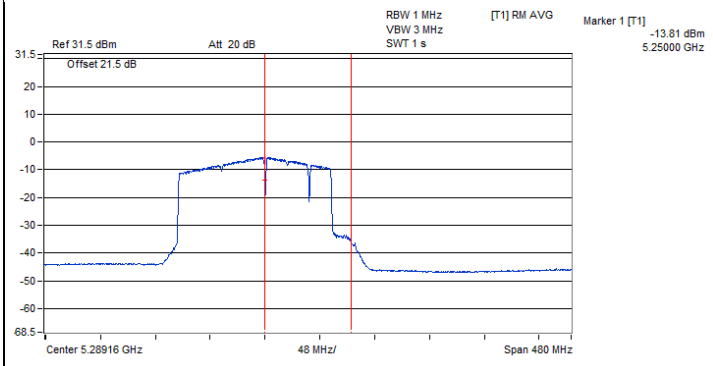
802.11be (EHT160) 996+484+242-tone MRU / Chain 0 : CH 50@99-1 (U-NII-1)



802.11be (EHT160) 996+484+242-tone MRU / Chain 0 : CH 50@99-1 (U-NII-2A)



802.11be (EHT160) 996+484+242-tone MRU / Chain 1 : CH 50@99-1 (U-NII-1)



802.11be (EHT160) 996+484+242-tone MRU / Chain 1 : CH 50@99-1 (U-NII-2A)

7.3 Power Spectral Density

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu

1S1T

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
52	5260	9.80	1.09	10.89	11	Pass
60	5300	9.79	1.09	10.88	11	Pass
64	5320	9.83	1.09	10.92	11	Pass
100	5500	9.59	1.09	10.68	11	Pass
116	5580	9.78	1.09	10.87	11	Pass
140	5700	9.89	1.09	10.98	11	Pass
144 (U-NII-2C)	5720	9.78	1.09	10.87	11	Pass

Notes:

1. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
54	5270	8.30	1.06	9.36	11	Pass
62	5310	5.52	1.06	6.58	11	Pass
102	5510	5.11	1.06	6.17	11	Pass
110	5550	8.88	1.06	9.94	11	Pass
134	5670	7.41	1.06	8.47	11	Pass
142 (U-NII-2C)	5710	7.33	1.06	8.39	11	Pass

Notes:

1. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
58	5290	2.11	1.17	3.28	11	Pass
106	5530	2.49	1.17	3.66	11	Pass
122	5610	5.41	1.17	6.58	11	Pass
138 (U-NII-2C)	5690	3.71	1.17	4.88	11	Pass

Notes:

1. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
50 (U-NII-1)	5250	-4.36	0.96	-3.40	11	Pass
50 (U-NII-2A)	5250	-4.49	0.96	-3.53	11	Pass
114	5570	-1.75	0.96	-0.79	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
64	5320	10.50	0.32	10.82	11	Pass
100	5500	10.42	0.32	10.74	11	Pass
140	5700	10.56	0.32	10.88	11	Pass
144 (U-NII-2C)	5720	-13.00	0.32	-12.68	11	Pass

Notes:

1. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
64	5320	10.60	0.32	10.92	11	Pass
100	5500	10.56	0.32	10.88	11	Pass
140	5700	10.66	0.32	10.98	11	Pass
144 (U-NII-2C)	5720	-6.26	0.32	-5.94	11	Pass

Notes:

1. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
64	5320	10.60	0.32	10.92	11	Pass
100	5500	10.45	0.32	10.77	11	Pass
140	5700	10.52	0.32	10.84	11	Pass
144 (U-NII-2C)	5720	10.34	0.32	10.66	11	Pass

Notes:

1. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
64	5320	10.37	0.31	10.68	11	Pass
100	5500	10.42	0.31	10.73	11	Pass
140	5700	10.41	0.31	10.72	11	Pass
144 (U-NII-2C)	5720	10.29	0.31	10.60	11	Pass

Notes:

1. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
64	5320	10.53	0.28	10.81	11	Pass
100	5500	10.54	0.28	10.82	11	Pass
140	5700	10.44	0.28	10.72	11	Pass
144 (U-NII-2C)	5720	10.47	0.28	10.75	11	Pass

Notes:

1. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
58	5290	0.12	0.39	0.51	11	Pass
106	5530	-0.24	0.39	0.15	11	Pass
138 (U-NII-2C)	5690	2.69	0.39	3.08	11	Pass

Notes:

1. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
50 (U-NII-1)	5250	-4.75	0.42	-4.33	11	Pass
50 (U-NII-2A)	5250	-4.99	0.42	-4.57	11	Pass
114	5570	-4.08	0.42	-3.66	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT160) 996+484+242-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
50 (U-NII-1)	5250	-5.35	0.42	-4.93	11	Pass
50 (U-NII-2A)	5250	-5.33	0.42	-4.91	11	Pass
114	5570	-4.72	0.42	-4.30	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	1.65	1.09	4.96	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
142 (U-NII-3)	5710	-1.71	1.06	1.57	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
138 (U-NII-3)	5690	-5.47	1.17	-2.08	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	5.38	0.32	7.92	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	5.32	0.32	7.86	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	5.17	0.32	7.71	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	5.02	0.31	7.55	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	3.42	0.28	5.92	30	Pass

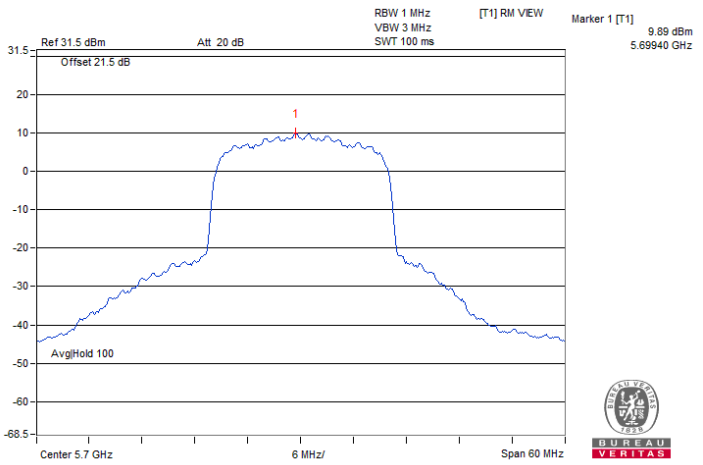
Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT80) 484+242-tone MRU

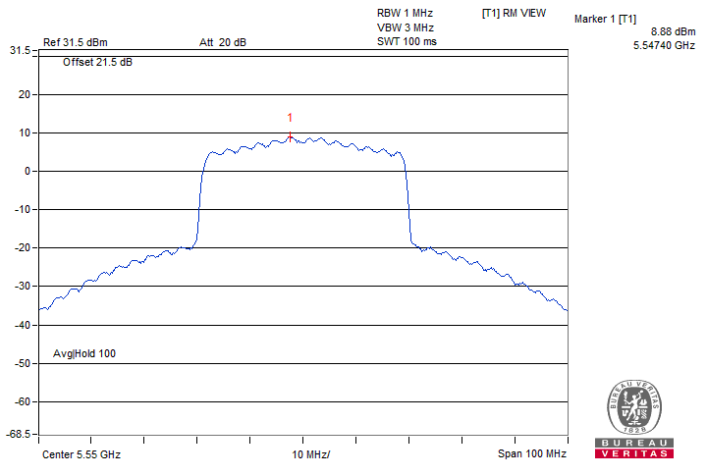
Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
138 (U-NII-3)	5690	-7.02	0.39	-4.41	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

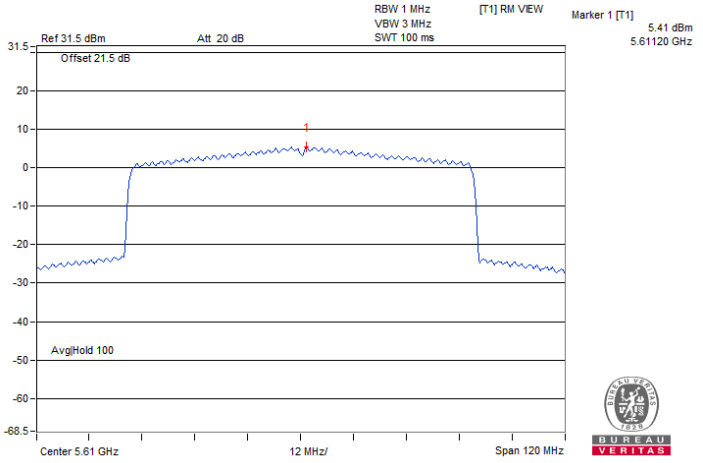
Spectrum Plot of Maximum Value



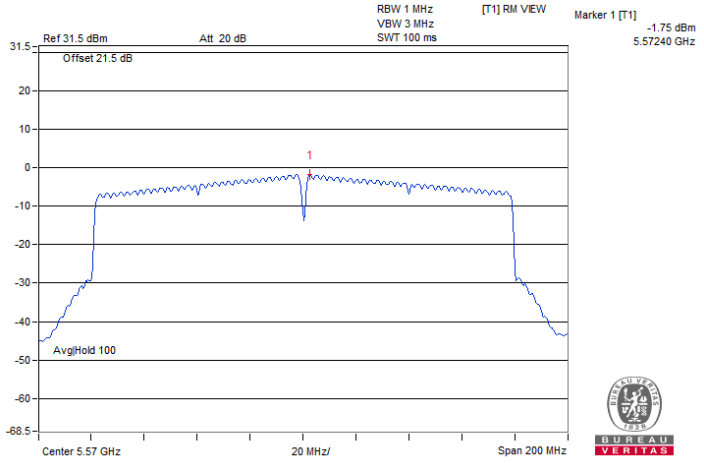
802.11be (EHT20) : CH 140



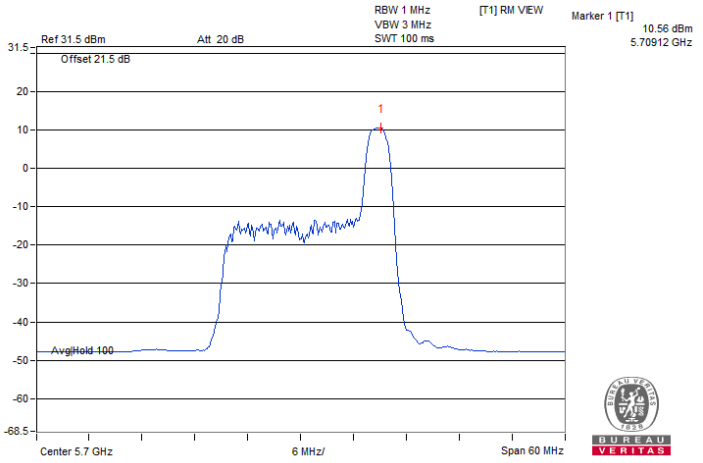
802.11be (EHT40) : CH 110



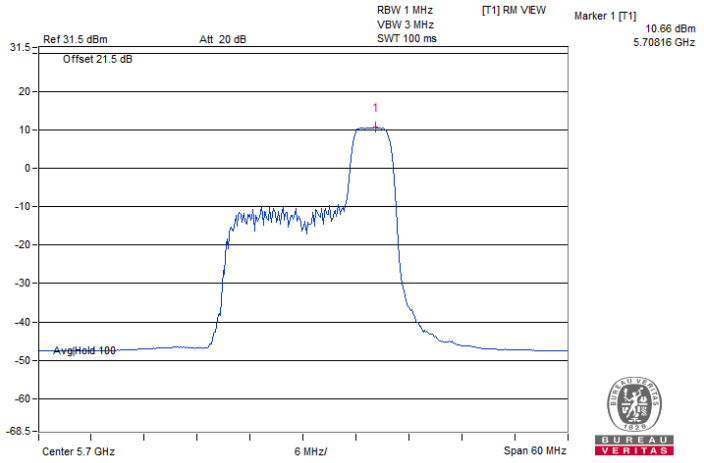
802.11be (EHT80) : CH 122



802.11be (EHT160) : CH 114

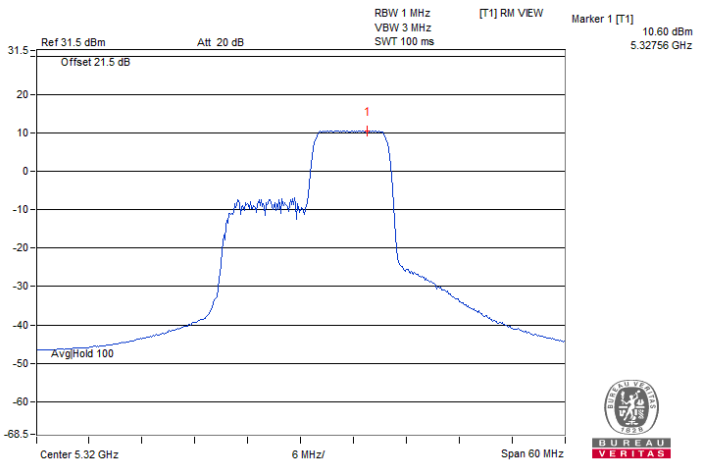


802.11be (EHT20) 26-tone RU : CH 140@8

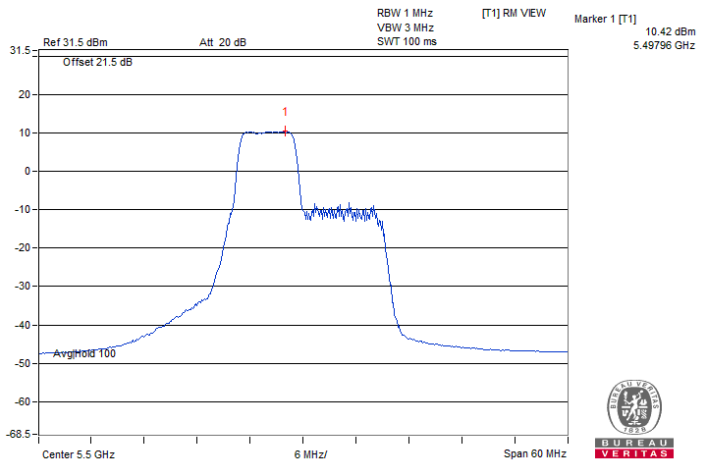


802.11be (EHT20) 52-tone RU : CH 140@40

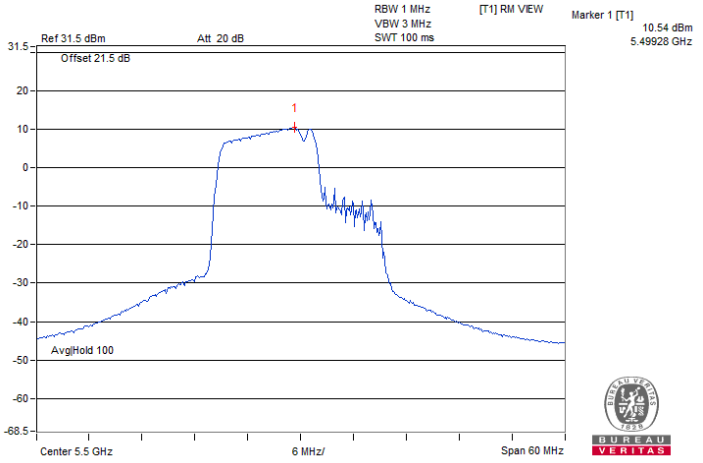
Spectrum Plot of Maximum Value



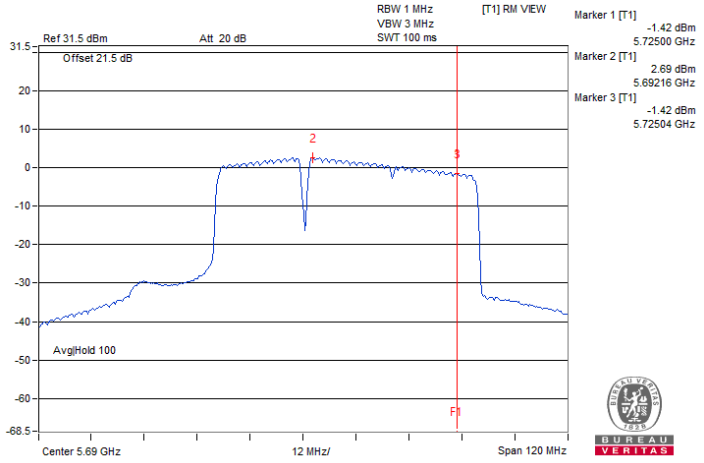
802.11be (EHT20) 106-tone RU : CH 64@54



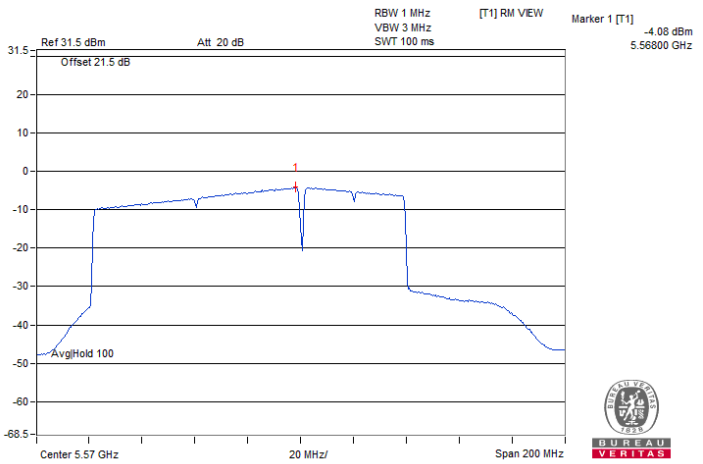
802.11be (EHT20) 52+26-tone MRU : CH 100@70



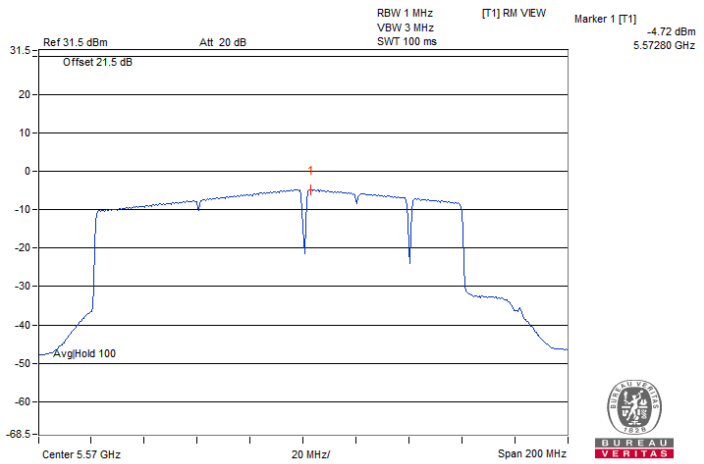
802.11be (EHT20) 106+26-tone MRU : CH 100@82



802.11be (EHT80) 484+242-tone MRU : CH 138@90 (U-NII-2C)

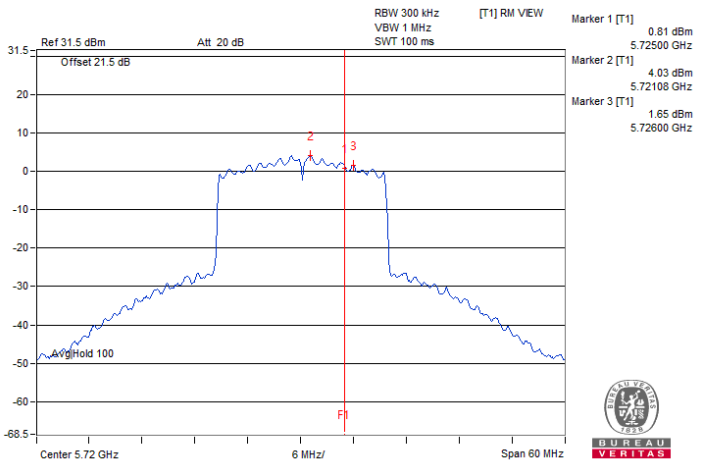


802.11be (EHT160) 996+484-tone MRU : CH 114@95-1

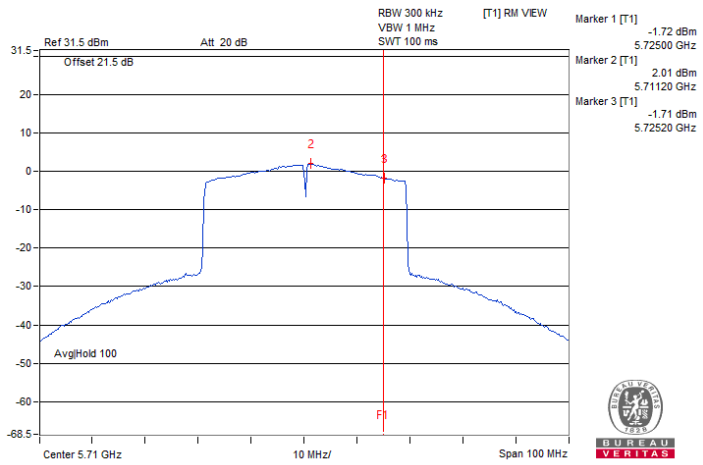


802.11be (EHT160) 996+484+242-tone MRU : CH 114@99-1

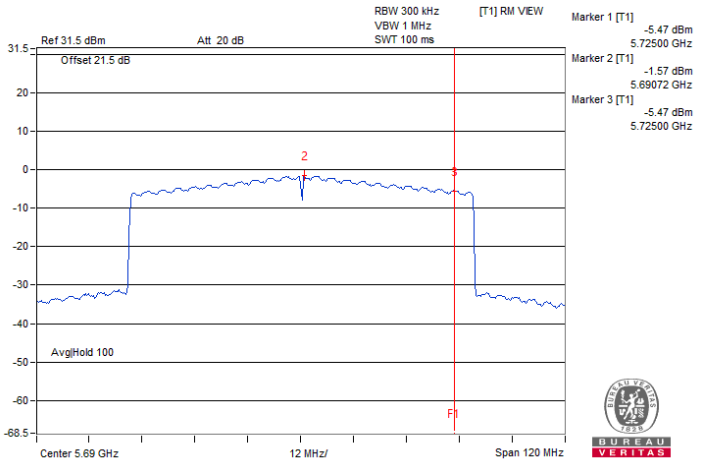
Spectrum Plot of Maximum Value



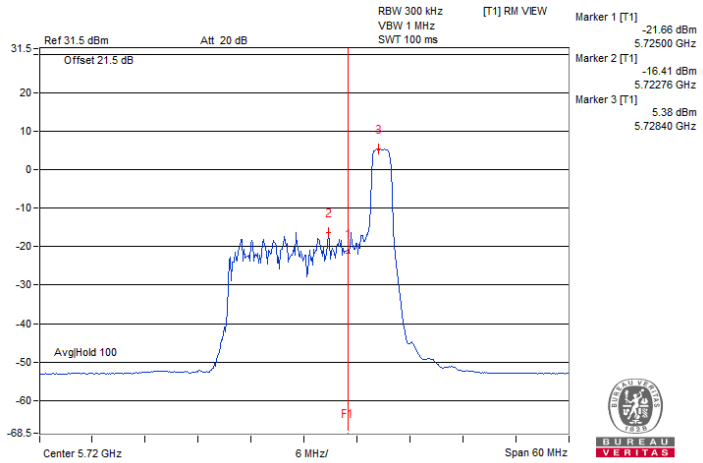
802.11be (EHT20) : CH 144 (U-NII-3)



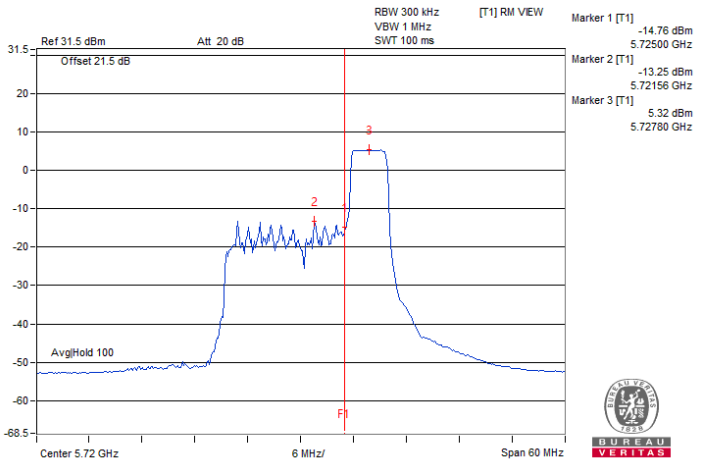
802.11be (EHT40) : CH 142 (U-NII-3)



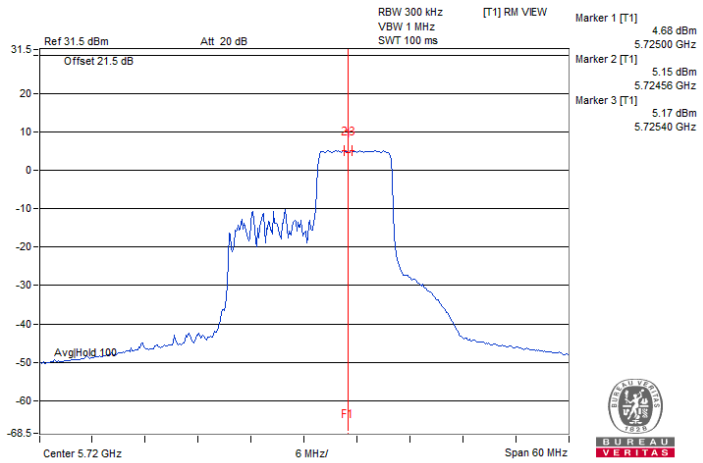
802.11be (EHT80) : CH 138 (U-NII-3)



802.11be (EHT20) 26-tone RU : CH 144@8 (U-NII-3)

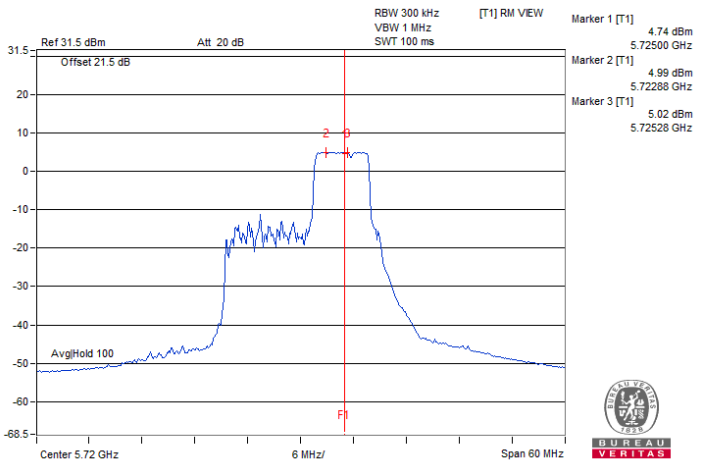


802.11be (EHT20) 52-tone RU : CH 144@40 (U-NII-3)

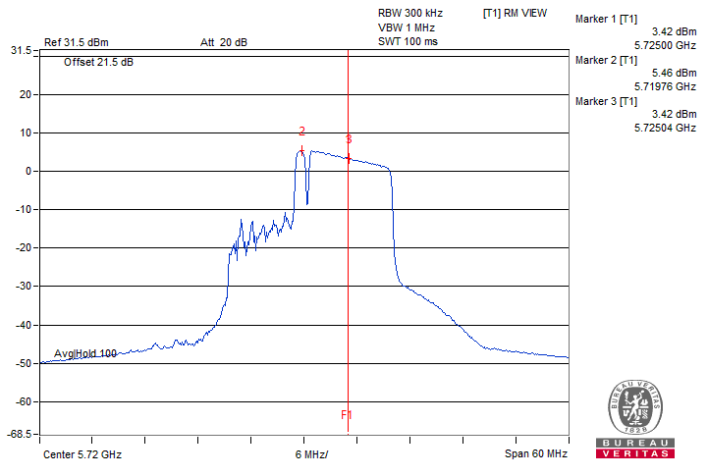


802.11be (EHT20) 106-tone RU : CH 144@54 (U-NII-3)

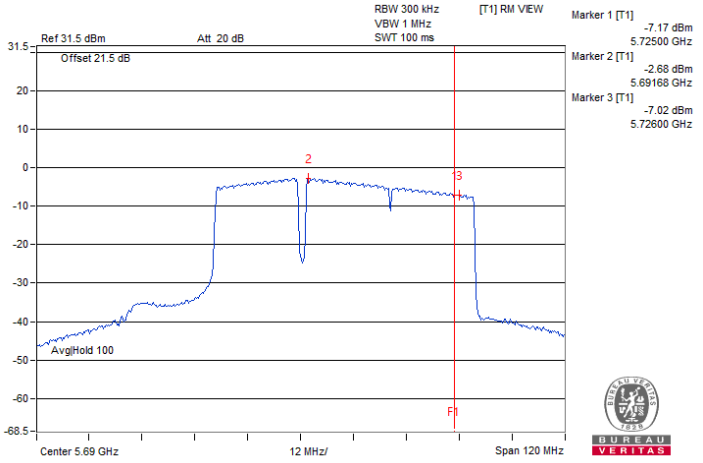
Spectrum Plot of Maximum Value



802.11be (EHT20) 52+26-tone MRU : CH 144@72 (U-NII-3)



802.11be (EHT20) 106+26-tone MRU : CH 144@83 (U-NII-3)



802.11be (EHT80) 484+242-tone MRU : CH 138@90 (U-NII-3)

2S2T

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
52	5260	6.09	6.10	1.85	10.96	11	Pass
60	5300	5.71	5.73	1.85	10.58	11	Pass
64	5320	5.89	5.68	1.85	10.65	11	Pass
100	5500	5.48	5.65	1.85	10.43	11	Pass
116	5580	5.86	6.01	1.85	10.80	11	Pass
140	5700	5.65	5.50	1.85	10.44	11	Pass
144 (U-NII-2C)	5720	6.12	5.76	1.85	10.80	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
54	5270	4.03	4.12	1.89	8.98	11	Pass
62	5310	1.88	2.17	1.89	6.93	11	Pass
102	5510	2.37	2.71	1.89	7.44	11	Pass
110	5550	4.33	3.66	1.89	8.91	11	Pass
134	5670	3.81	4.17	1.89	8.89	11	Pass
142 (U-NII-2C)	5710	4.28	4.77	1.89	9.43	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
58	5290	-2.23	-2.56	1.92	2.54	11	Pass
106	5530	-1.43	-1.85	1.92	3.30	11	Pass
122	5610	0.97	1.40	1.92	6.12	11	Pass
138 (U-NII-2C)	5690	1.53	1.83	1.92	6.61	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
50 (U-NII-1)	5250	-7.16	-7.09	1.62	-2.49	11	Pass
50 (U-NII-2A)	5250	-7.18	-6.95	1.62	-2.43	11	Pass
114	5570	-5.40	-5.51	1.62	-0.82	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
64	5320	7.10	6.95	0.54	10.58	11	Pass
100	5500	7.31	7.02	0.54	10.72	11	Pass
140	5700	7.34	7.12	0.54	10.78	11	Pass
144 (U-NII-2C)	5720	-14.56	-13.19	0.54	-10.27	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
64	5320	7.32	7.24	0.54	10.83	11	Pass
100	5500	7.36	6.99	0.54	10.73	11	Pass
140	5700	7.25	7.08	0.54	10.72	11	Pass
144 (U-NII-2C)	5720	-9.35	-10.02	0.54	-6.12	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
64	5320	7.09	7.30	0.54	10.75	11	Pass
100	5500	7.18	7.08	0.54	10.68	11	Pass
140	5700	7.10	7.05	0.54	10.63	11	Pass
144 (U-NII-2C)	5720	7.30	7.31	0.54	10.86	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
64	5320	6.99	7.36	0.60	10.79	11	Pass
100	5500	6.92	6.95	0.60	10.55	11	Pass
140	5700	7.36	7.26	0.60	10.92	11	Pass
144 (U-NII-2C)	5720	7.39	7.36	0.60	10.99	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
64	5320	6.94	7.03	0.50	10.50	11	Pass
100	5500	7.35	7.45	0.50	10.91	11	Pass
140	5700	7.10	7.17	0.50	10.65	11	Pass
144 (U-NII-2C)	5720	7.53	7.19	0.50	10.87	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
58	5290	-2.73	-2.72	0.71	1.00	11	Pass
106	5530	-2.62	-2.77	0.71	1.03	11	Pass
138 (U-NII-2C)	5690	1.42	1.86	0.71	5.37	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
50 (U-NII-1)	5250	-6.67	-6.78	0.70	-3.01	11	Pass
50 (U-NII-2A)	5250	-6.60	-6.06	0.70	-2.61	11	Pass
114	5570	-6.09	-5.95	0.70	-2.31	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT160) 996+484+242-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
50 (U-NII-1)	5250	-6.86	-6.81	0.69	-3.13	11	Pass
50 (U-NII-2A)	5250	-7.20	-6.72	0.69	-3.25	11	Pass
114	5570	-6.42	-6.50	0.69	-2.76	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	-1.04	-1.29	1.85	1.85	5.92	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
142 (U-NII-3)	5710	-4.28	-4.24	-1.25	1.89	2.86	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
138 (U-NII-3)	5690	-7.77	-7.57	-4.66	1.92	-0.52	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	2.31	2.24	5.29	0.54	8.05	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	2.33	1.93	5.14	0.54	7.90	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	2.22	2.16	5.2	0.54	7.96	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	2.51	2.48	5.51	0.6	8.33	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	0.36	0.22	3.3	0.5	6.02	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

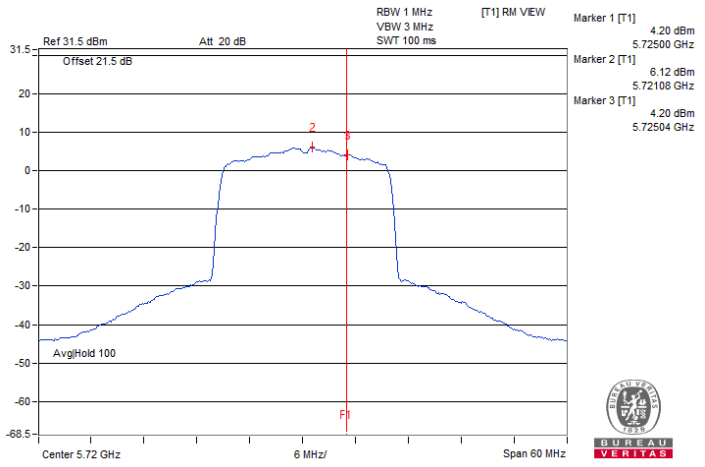
802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
138 (U-NII-3)	5690	-7.69	-7.32	-4.49	0.71	-1.56	30	Pass

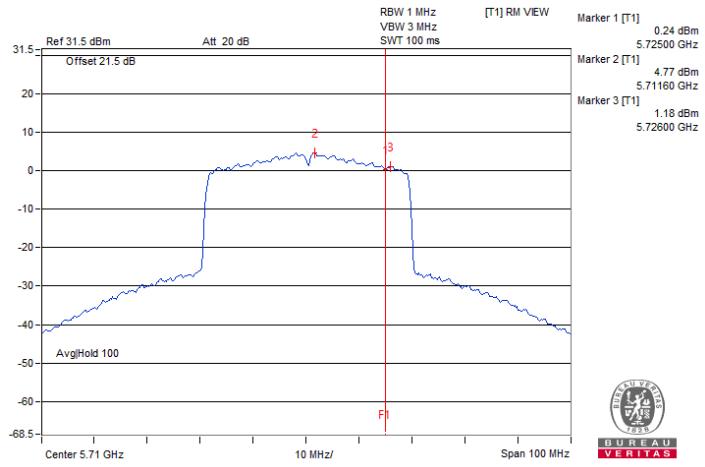
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements/NSS 2) = gain of antenna element + 0 dB
3. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

Spectrum Plot of Maximum Value

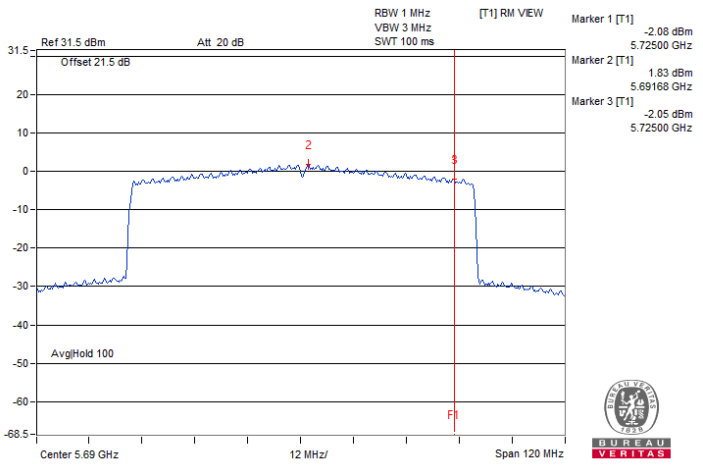


802.11be (EHT20) / Chain 0 : CH 144 (U-NII-2C)

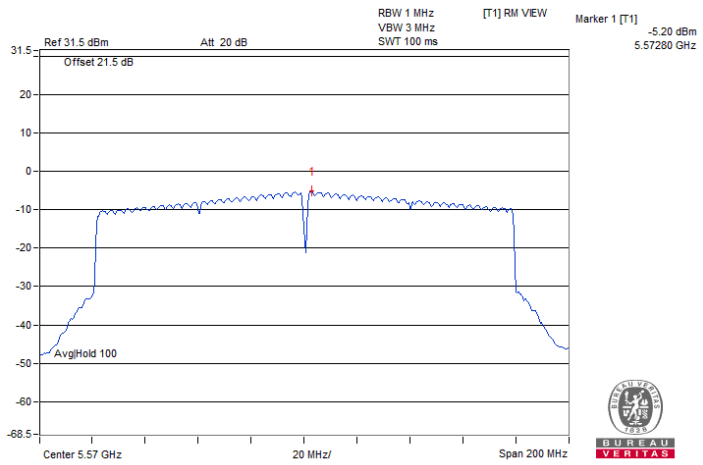


802.11be (EHT40) / Chain 1 : CH 142 (U-NII-2C)

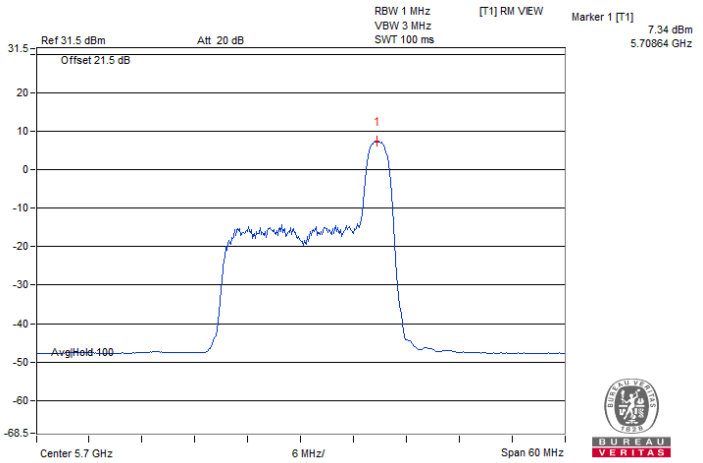
Spectrum Plot of Maximum Value



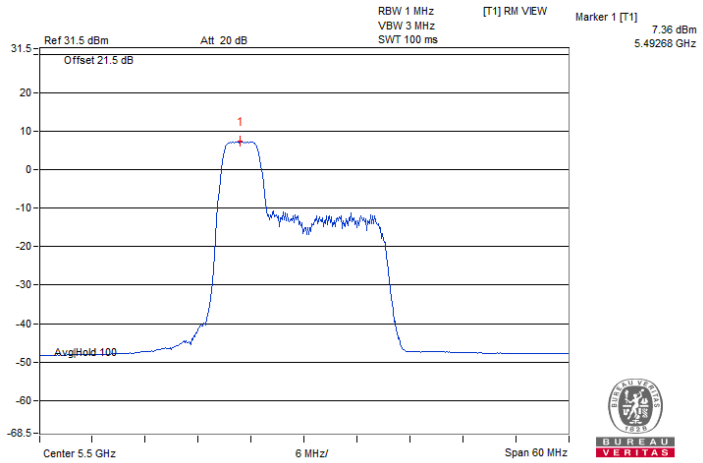
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)



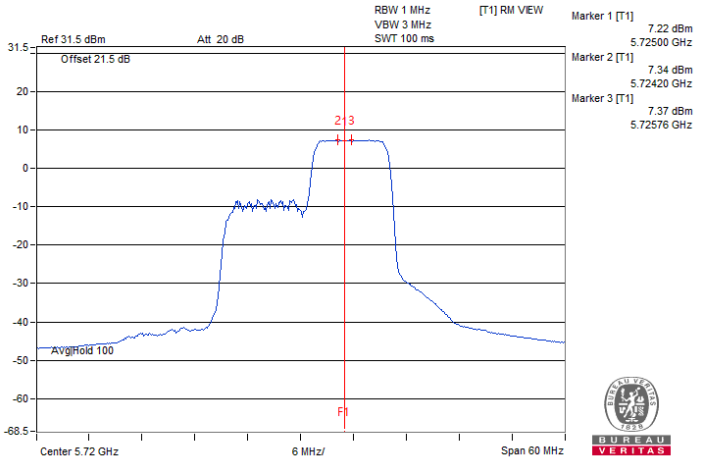
802.11be (EHT160) / Chain 0 : CH 114



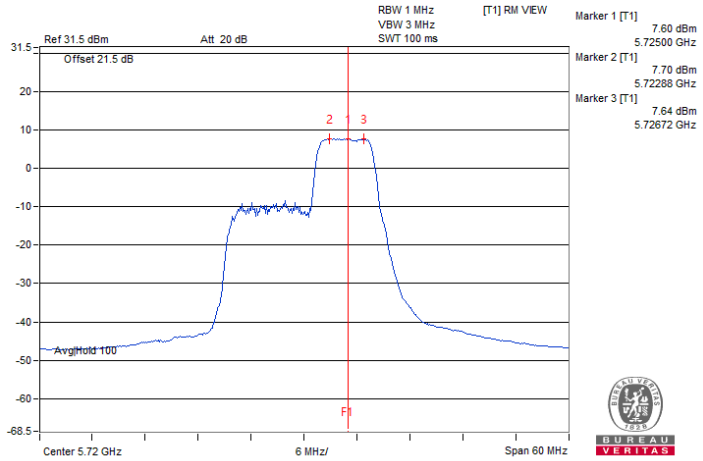
802.11be (EHT20) 26-tone RU / Chain 0 : CH 140@8



802.11be (EHT20) 52-tone RU / Chain 0 : CH 100@37

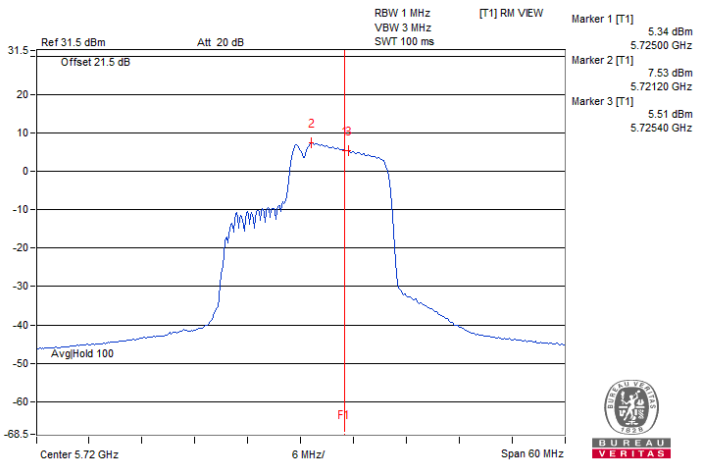


802.11be (EHT20) 106-tone RU / Chain 1 : CH 144@54 (U-NII-2C)

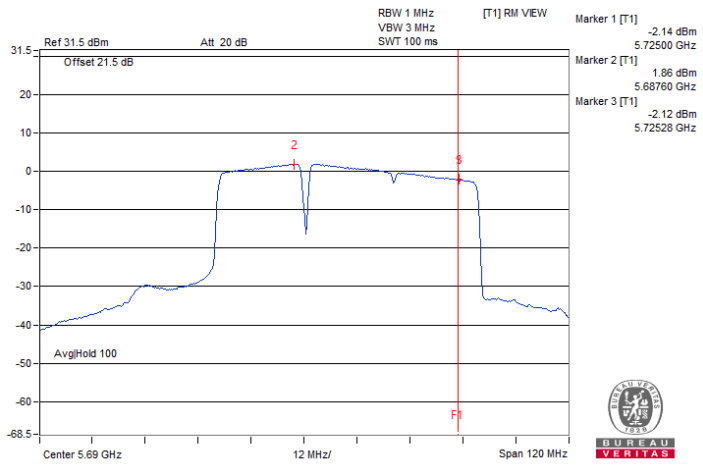


802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 144@72 (U-NII-2C)

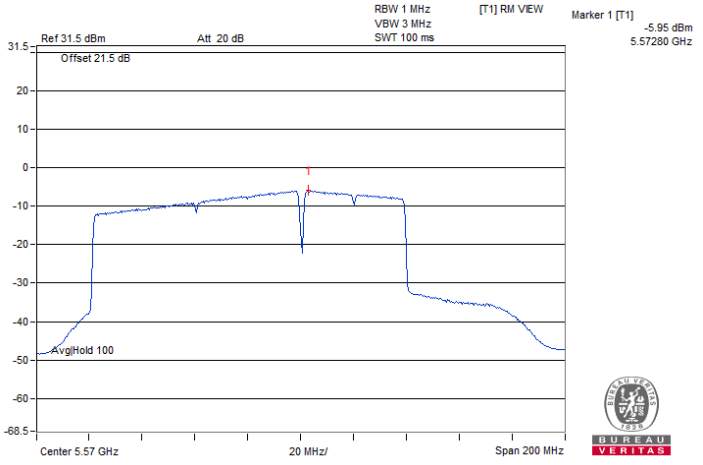
Spectrum Plot of Maximum Value



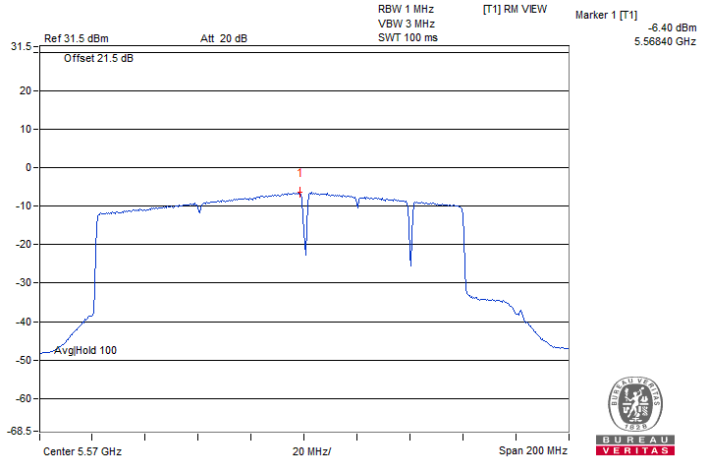
802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 144@83 (U-NII-2C)



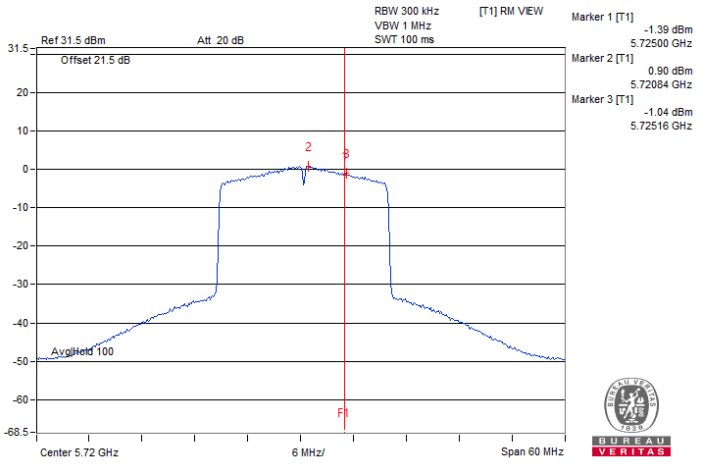
802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 138@90 (U-NII-2C)



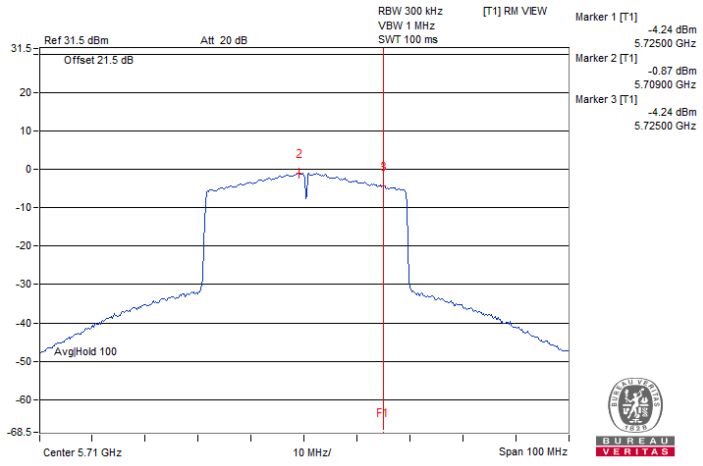
802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 114@95-1



802.11be (EHT160) 996+484+242-tone MRU / Chain 0 : CH 114@99-1

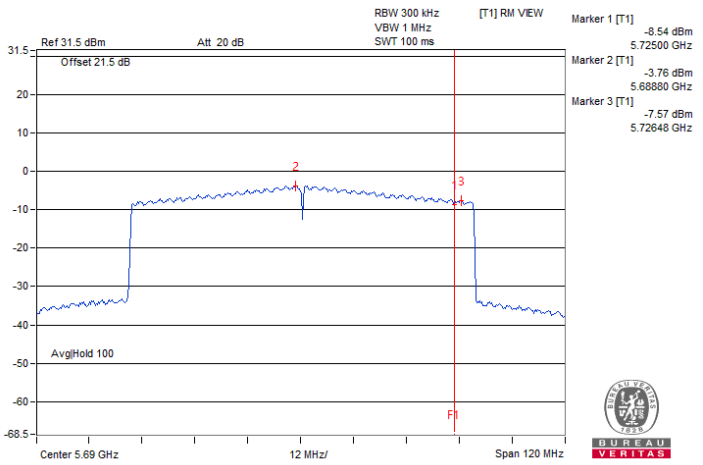


802.11be (EHT20) / Chain 0 : CH 144 (U-NII-3)

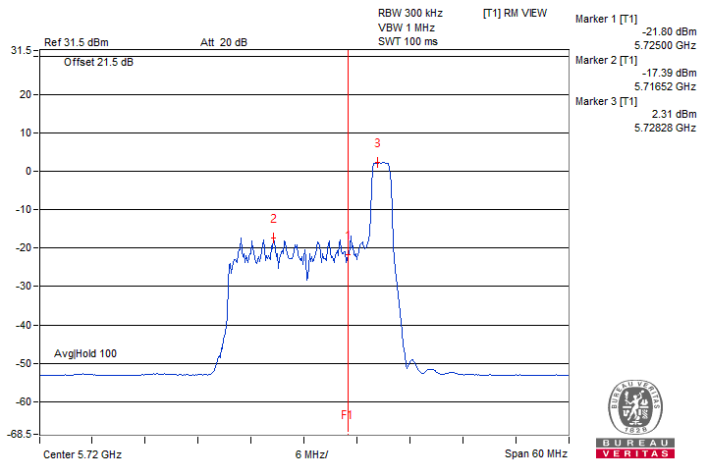


802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)

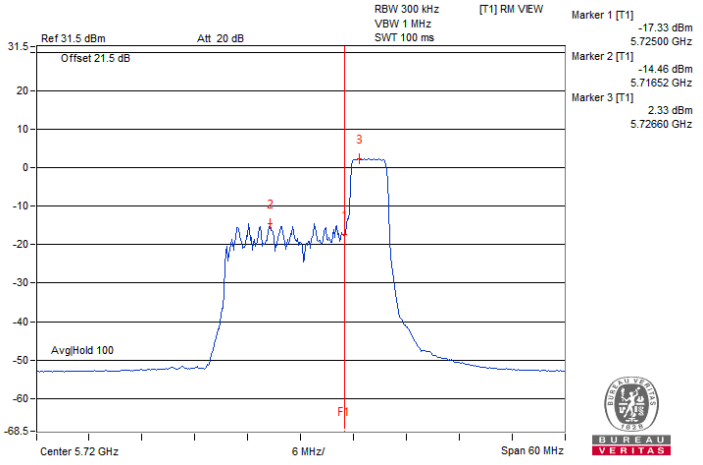
Spectrum Plot of Maximum Value



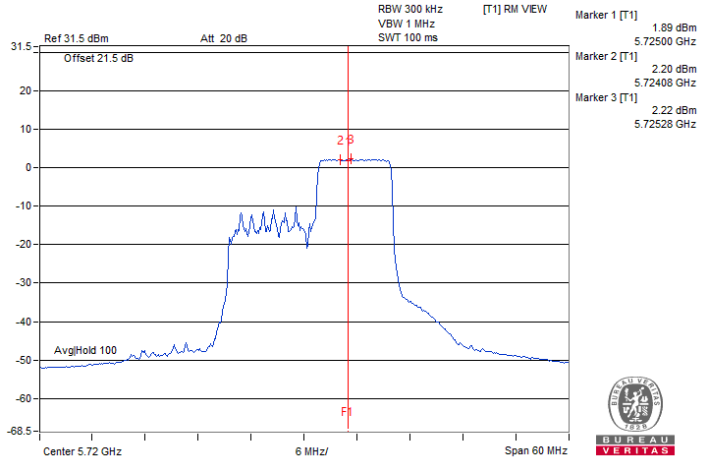
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-3)



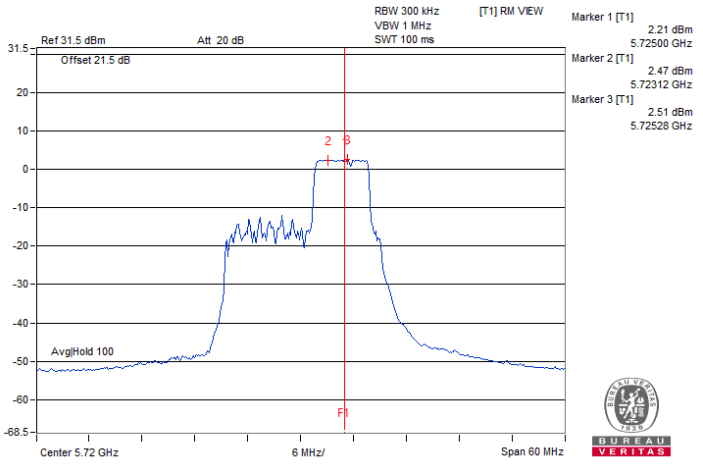
802.11be (EHT20) 26-tone RU / Chain 0 : CH 144@8 (U-NII-3)



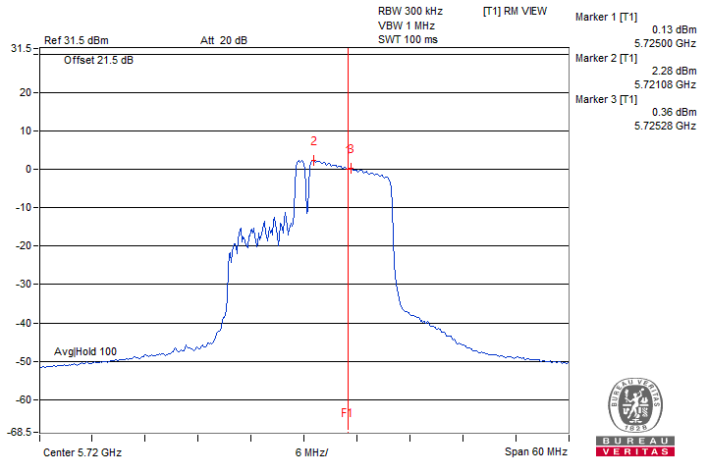
802.11be (EHT20) 52-tone RU / Chain 0 : CH 144@40 (U-NII-3)



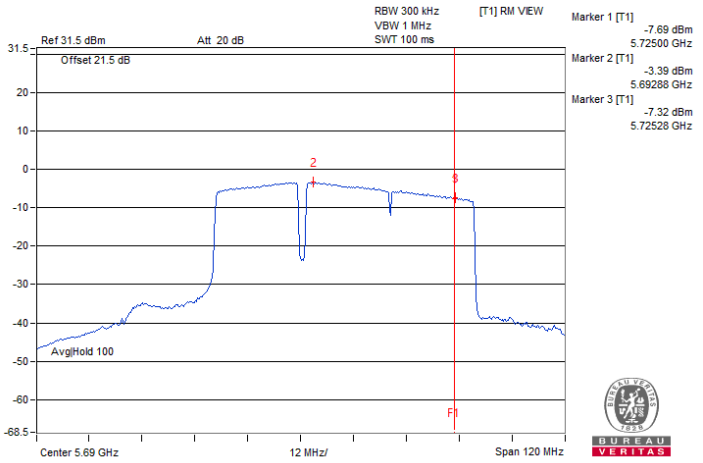
802.11be (EHT20) 106-tone RU / Chain 0 : CH 144@54 (U-NII-3)



802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 144@72 (U-NII-3)



802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 144@83 (U-NII-3)

Spectrum Plot of Maximum Value	
 802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 138@90 (U-NII-3)	

7.4 6 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu

1S1T

802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	4	0.5	Pass

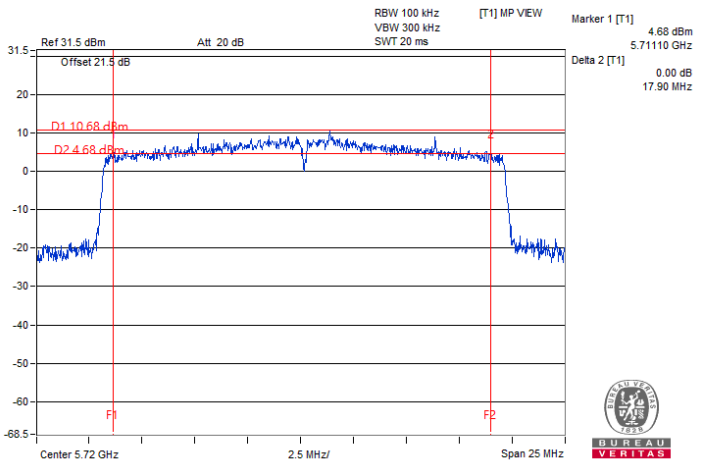
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
142 (U-NII-3)	5710	2.71	0.5	Pass

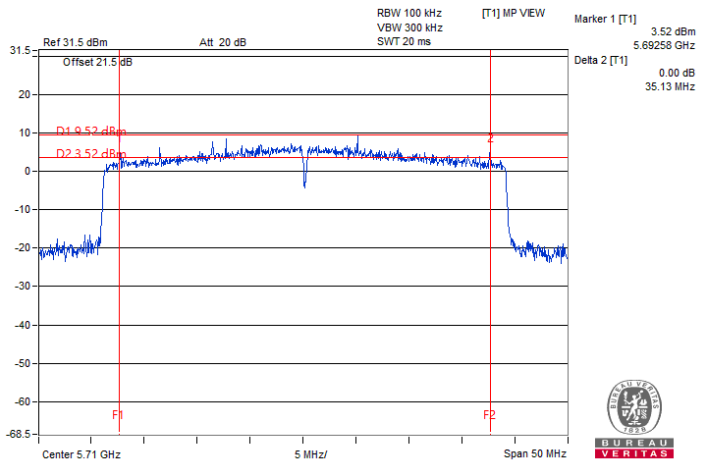
802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
138 (U-NII-3)	5690	3.11	0.5	Pass

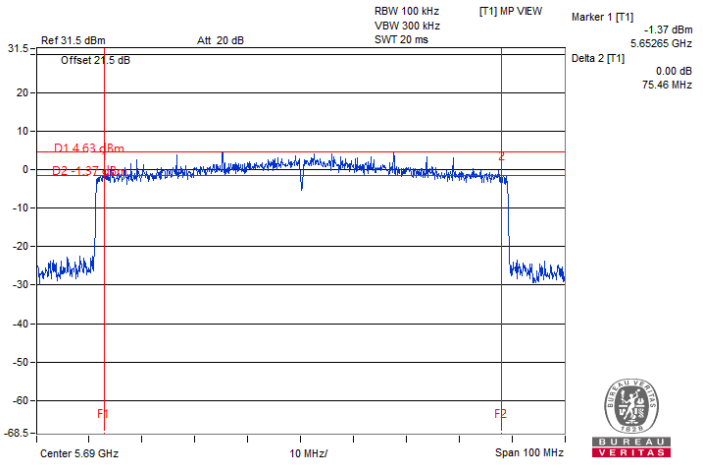
Spectrum Plot of Minimum Value



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



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



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

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

2S2T

802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.01	3.95	0.5	Pass

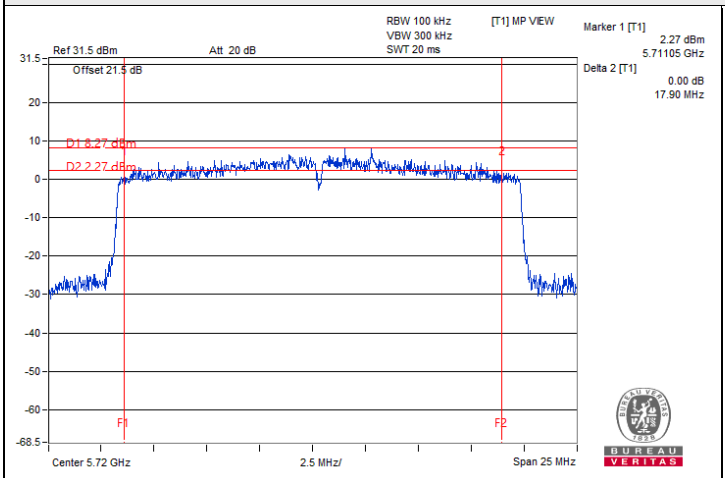
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	1.79	3.93	0.5	Pass

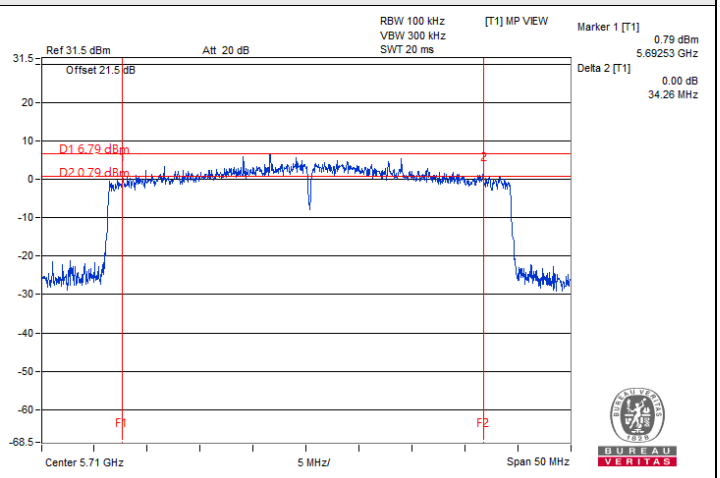
802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	1.63	1.64	0.5	Pass

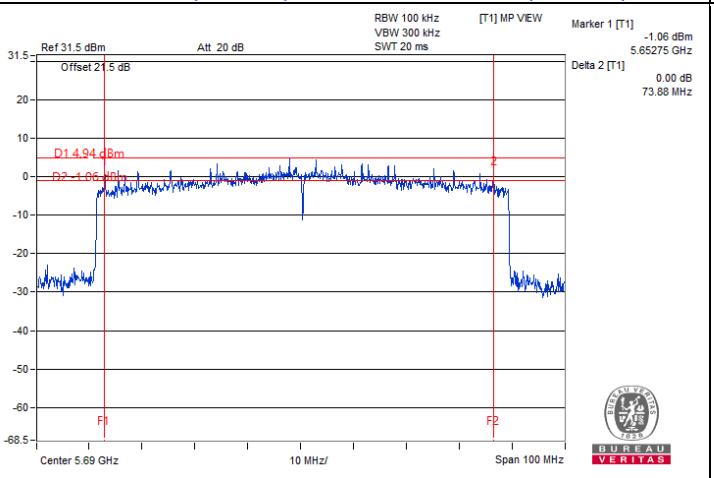
Spectrum Plot of Minimum Value



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



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



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

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

7.5 Occupied Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu

1S1T

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
52	5260	18.84
60	5300	18.78
64	5320	18.84
100	5500	18.84
116	5580	18.84
140	5700	18.9
144 (U-NII-2C)	5720	14.24
144 (U-NII-3)	5720	4.6

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
54	5270	37.68
62	5310	37.68
102	5510	37.56
110	5550	37.92
134	5670	37.68
142 (U-NII-2C)	5710	33.84
142 (U-NII-3)	5710	4.08

802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
58	5290	77.28
106	5530	77.28
122	5610	76.56
138 (U-NII-2C)	5690	73.16
138 (U-NII-3)	5690	3.64

802.11be (EHT160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
50 (U-NII-1)	5250	77.76
50 (U-NII-2A)	5250	77.76
114	5570	154.56

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
64	5320	18.12
100	5500	18.24
140	5700	18.18
144 (U-NII-2C)	5720	13.1
144 (U-NII-3)	5720	5.08

802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
64	5320	18.06
100	5500	18.12
140	5700	18.12
144 (U-NII-2C)	5720	13.1
144 (U-NII-3)	5720	4.96

802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
64	5320	18.06
100	5500	18.24
140	5700	18.18
144 (U-NII-2C)	5720	13.1
144 (U-NII-3)	5720	4.9

802.11be (EHT20) 52+26-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
64	5320	17.04
100	5500	17.22
140	5700	17.04
144 (U-NII-2C)	5720	13.22
144 (U-NII-3)	5720	3.88

802.11be (EHT20) 106+26-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
64	5320	17.76
100	5500	17.82
140	5700	17.7
144 (U-NII-2C)	5720	13.04
144 (U-NII-3)	5720	4.78

802.11be (EHT80) 484+242-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
58	5290	58.56
106	5530	57.84
138 (U-NII-2C)	5690	54.44
138 (U-NII-3)	5690	3.88

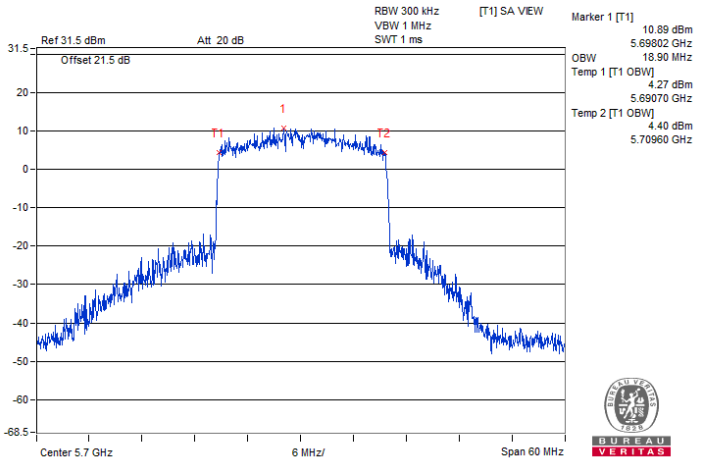
802.11be (EHT160) 996+484-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
50 (U-NII-1)	5250	77.76
50 (U-NII-2A)	5250	39.36
114	5570	117.6

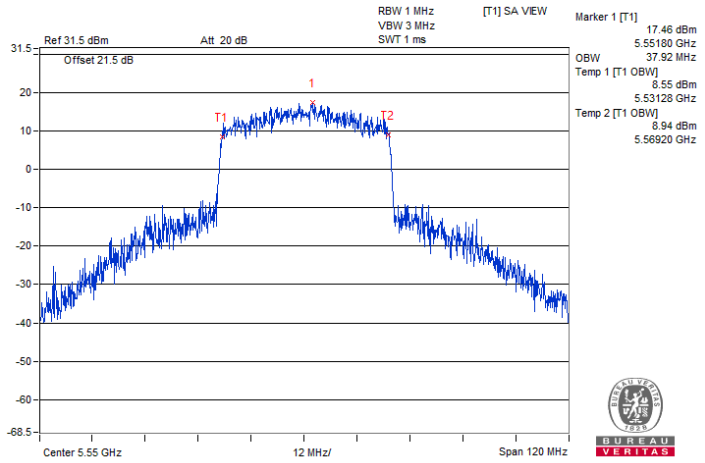
802.11be (EHT160) 996+484+242-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
50 (U-NII-1)	5250	77.28
50 (U-NII-2A)	5250	60
114	5570	137.28

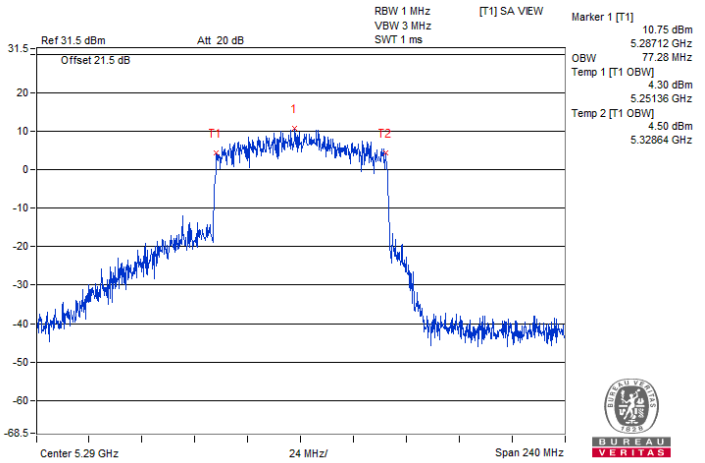
Spectrum Plot of Maximum Value



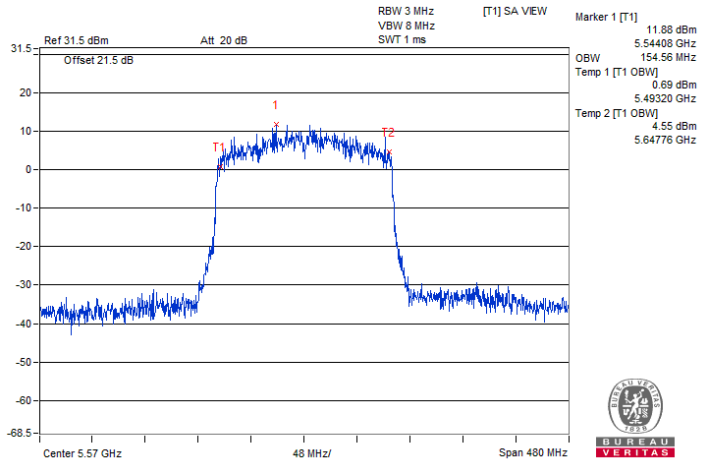
802.11be (EHT20) : CH 140



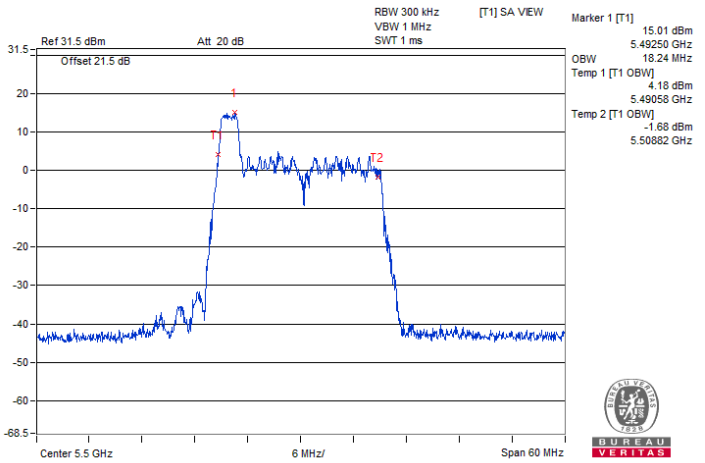
802.11be (EHT40) : CH 110



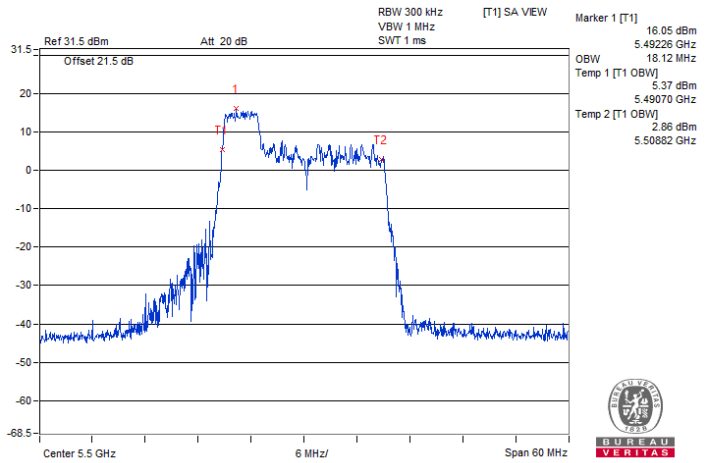
802.11be (EHT80) : CH 58



802.11be (EHT160) : CH 114

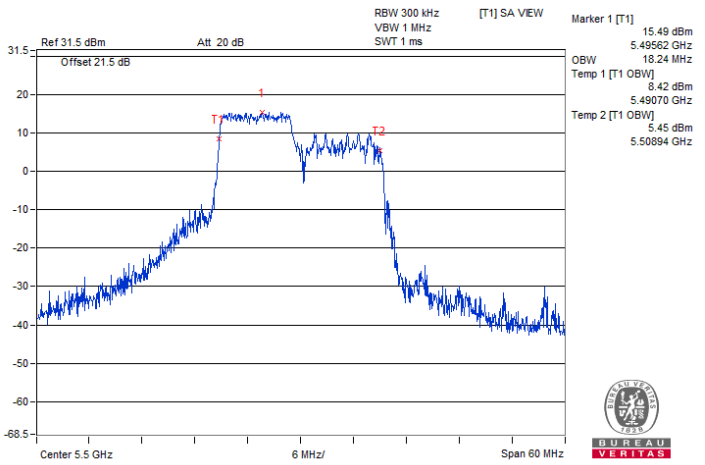


802.11be (EHT20) 26-tone RU : CH 100@0

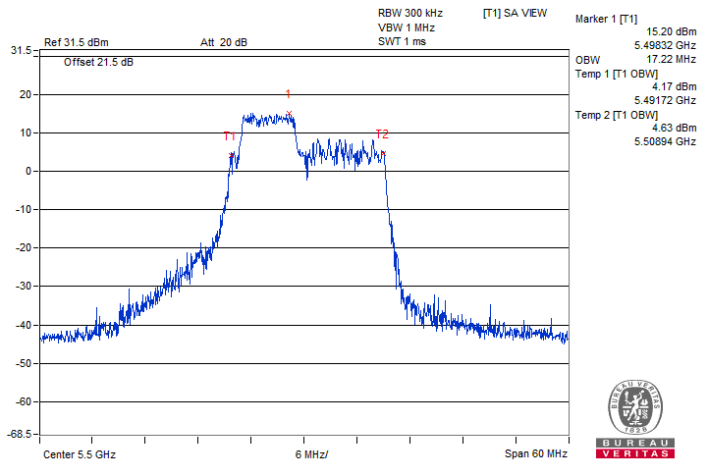


802.11be (EHT20) 52-tone RU : CH 100@37

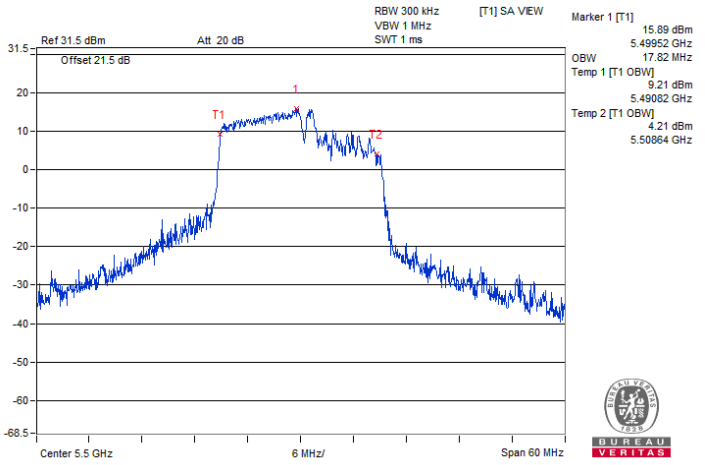
Spectrum Plot of Maximum Value



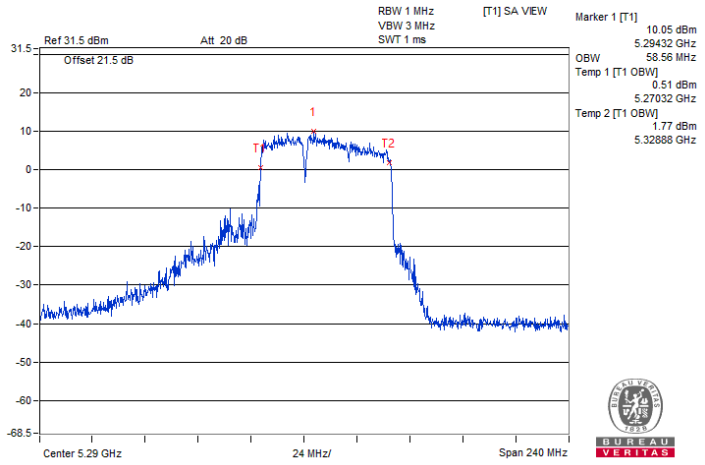
802.11be (EHT20) 106-tone RU : CH 100@53



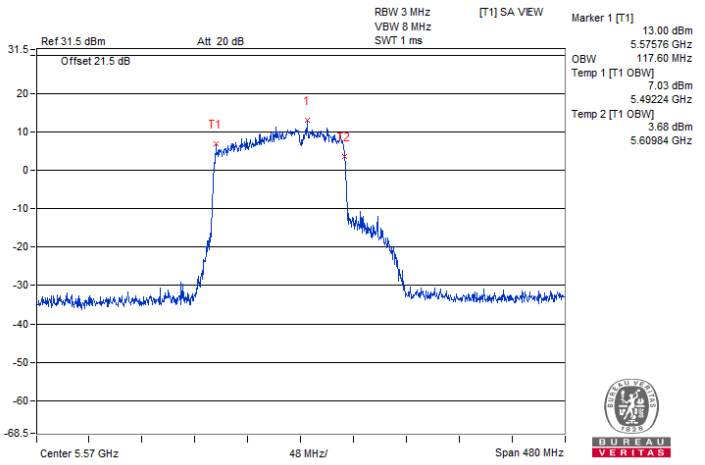
802.11be (EHT20) 52+26-tone MRU : CH 100@70



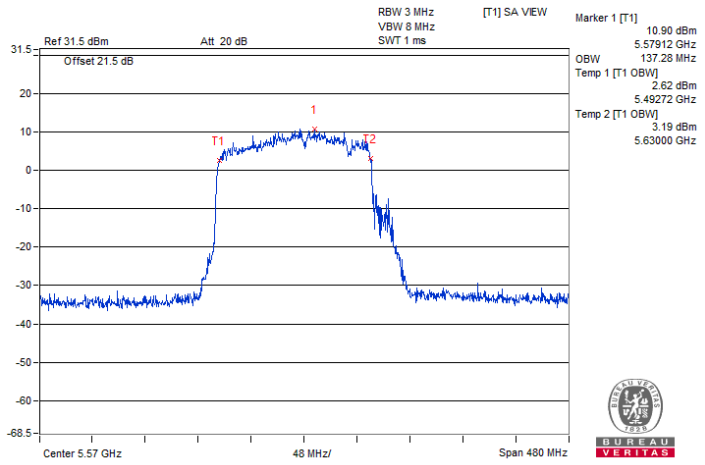
802.11be (EHT20) 106+26-tone MRU : CH 100@82



802.11be (EHT80) 484+242-tone MRU : CH 58@90



802.11be (EHT160) 996+484-tone MRU : CH 114@95-1



802.11be (EHT160) 996+484+242-tone MRU : CH 114@99-1

2S2T

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	18.78	18.84
60	5300	18.90	18.84
64	5320	18.78	18.78
100	5500	18.84	18.84
116	5580	18.78	18.78
140	5700	18.78	18.78
144 (U-NII-2C)	5720	14.06	14.06
144 (U-NII-3)	5720	4.72	4.72

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	37.56	37.68
62	5310	37.68	37.68
102	5510	37.68	37.92
110	5550	37.68	37.80
134	5670	38.04	37.68
142 (U-NII-2C)	5710	33.48	33.60
142 (U-NII-3)	5710	4.20	4.20

802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	77.52	77.04
106	5530	77.28	77.28
122	5610	77.04	77.04
138 (U-NII-2C)	5690	73.40	73.40
138 (U-NII-3)	5690	3.88	3.88

802.11be (EHT160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	77.76	78.24
50 (U-NII-2A)	5250	77.76	78.24
114	5570	155.52	156.00

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	18.30	18.24
100	5500	18.24	18.18
140	5700	18.30	18.24
144 (U-NII-2C)	5720	13.28	13.22
144 (U-NII-3)	5720	5.02	4.96

802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	18.12	18.18
100	5500	18.12	18.00
140	5700	18.12	18.12
144 (U-NII-2C)	5720	13.22	13.22
144 (U-NII-3)	5720	4.96	4.90

802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	18.18	18.18
100	5500	18.18	18.12
140	5700	18.18	18.00
144 (U-NII-2C)	5720	13.28	13.22
144 (U-NII-3)	5720	4.90	4.90

802.11be (EHT20) 52+26-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	16.38	17.10
100	5500	17.10	16.98
140	5700	17.22	16.98
144 (U-NII-2C)	5720	13.28	13.22
144 (U-NII-3)	5720	3.88	3.88

802.11be (EHT20) 106+26-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	17.82	17.70
100	5500	17.64	17.70
140	5700	17.88	17.70
144 (U-NII-2C)	5720	12.92	13.10
144 (U-NII-3)	5720	4.78	4.78

802.11be (EHT80) 484+242-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	58.56	58.56
106	5530	58.56	58.32
138 (U-NII-2C)	5690	54.44	54.44
138 (U-NII-3)	5690	3.88	3.88

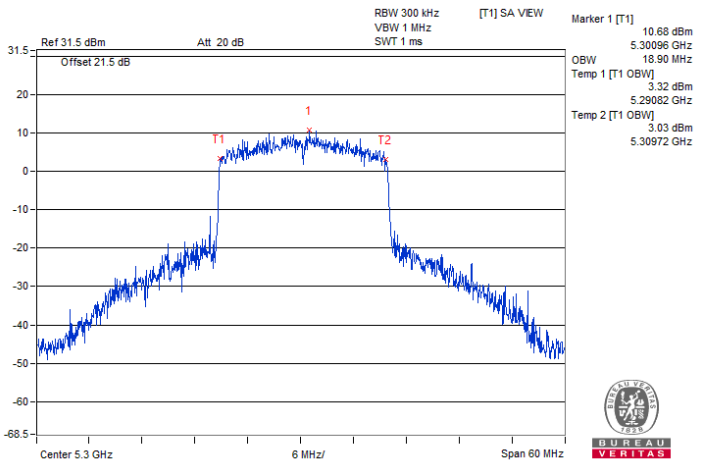
802.11be (EHT160) 996+484-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	78.24	77.76
50 (U-NII-2A)	5250	39.36	38.88
114	5570	116.64	117.12

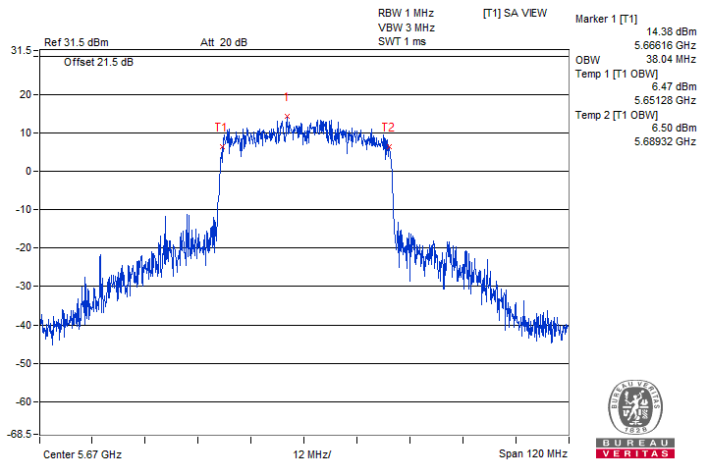
802.11be (EHT160) 996+484+242-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	77.76	77.76
50 (U-NII-2A)	5250	59.52	59.52
114	5570	136.80	136.80

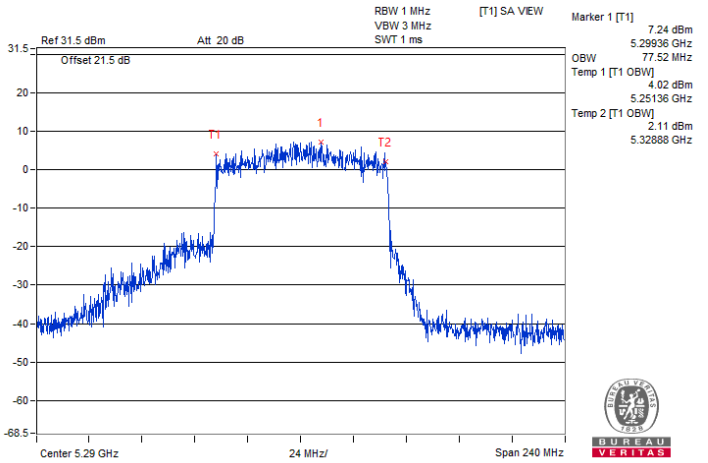
Spectrum Plot of Maximum Value



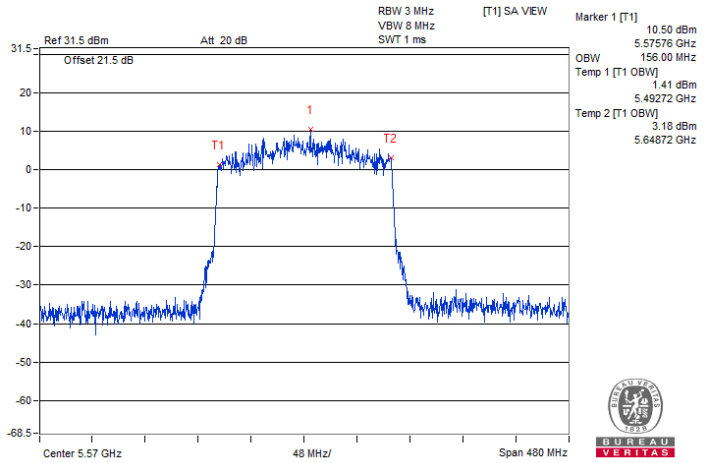
802.11be (EHT20) / Chain 0 : CH 60



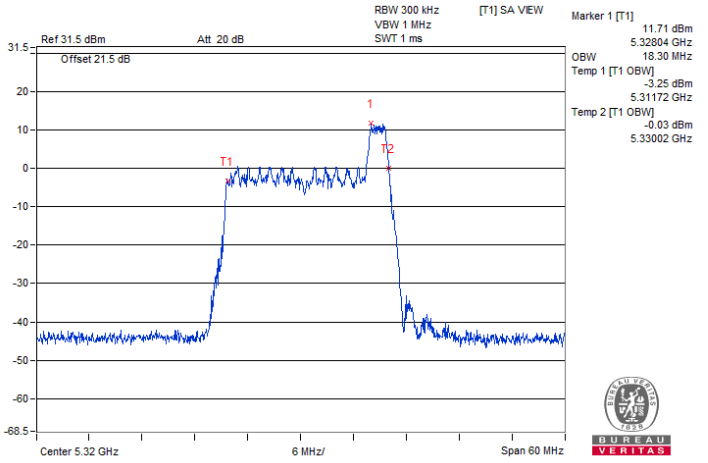
802.11be (EHT40) / Chain 0 : CH 134



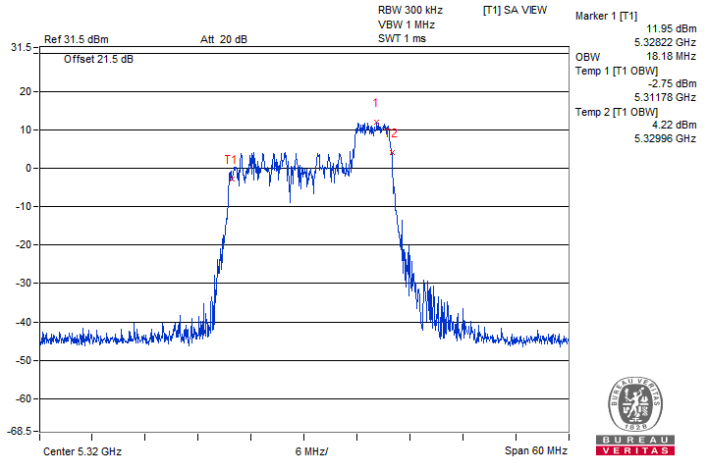
802.11be (EHT80) / Chain 0 : CH 58



802.11be (EHT160) / Chain 1 : CH 114

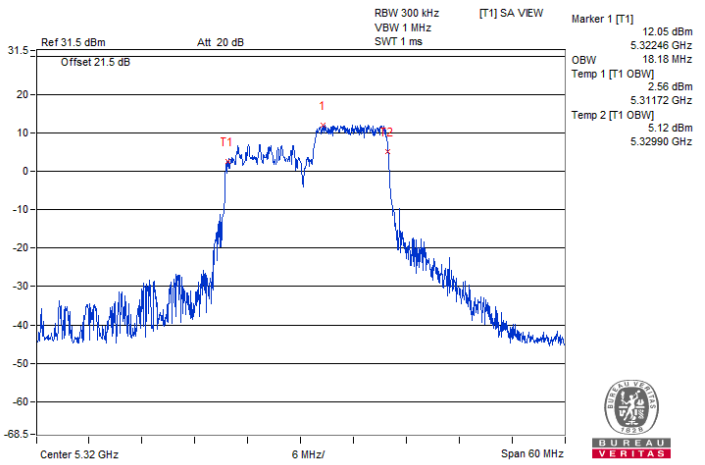


802.11be (EHT20) 26-tone RU / Chain 0 : CH 64@8

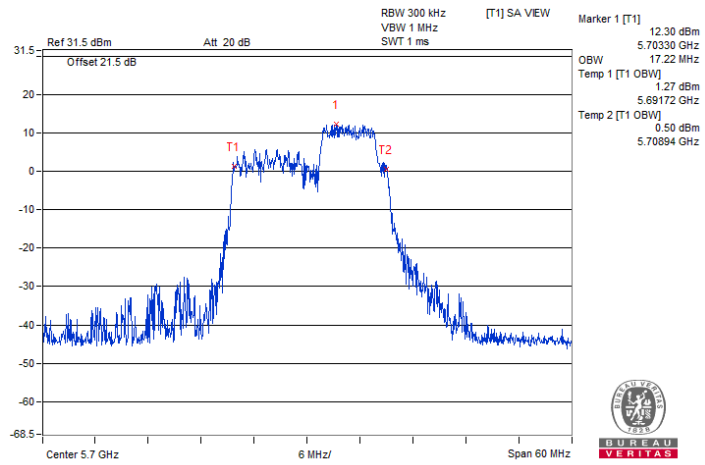


802.11be (EHT20) 52-tone RU / Chain 1 : CH 64@40

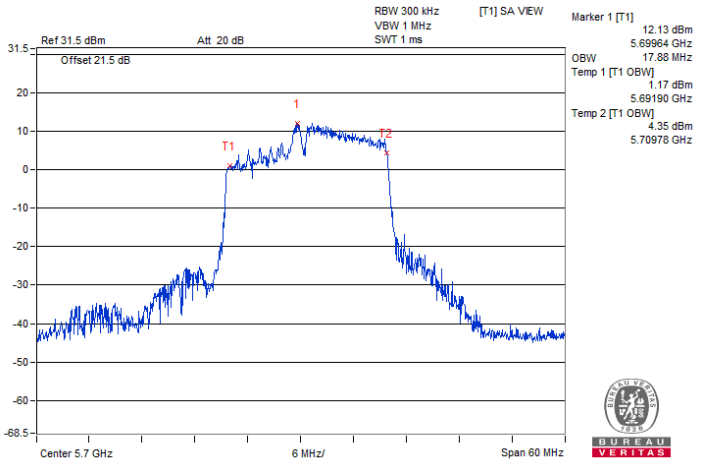
Spectrum Plot of Maximum Value



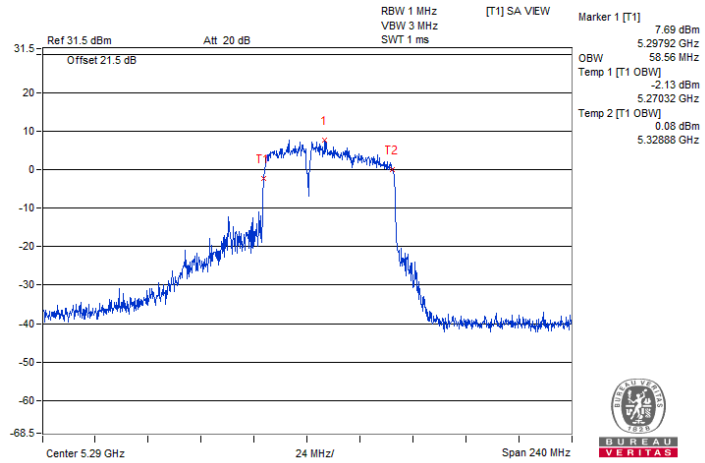
802.11be (EHT20) 106-tone RU / Chain 0 : CH 64@54



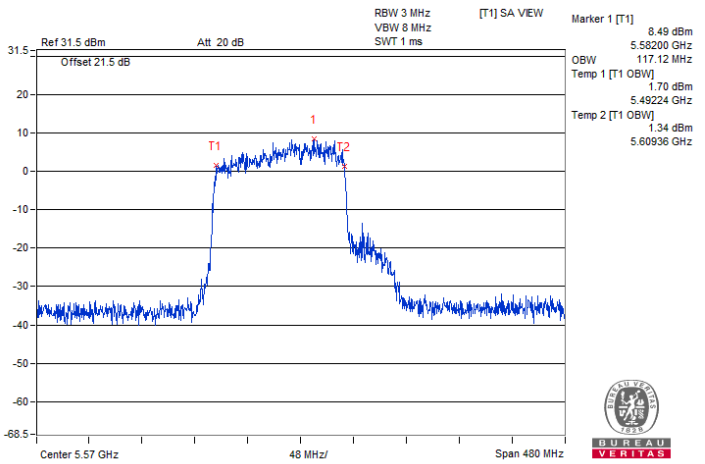
802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 140@72



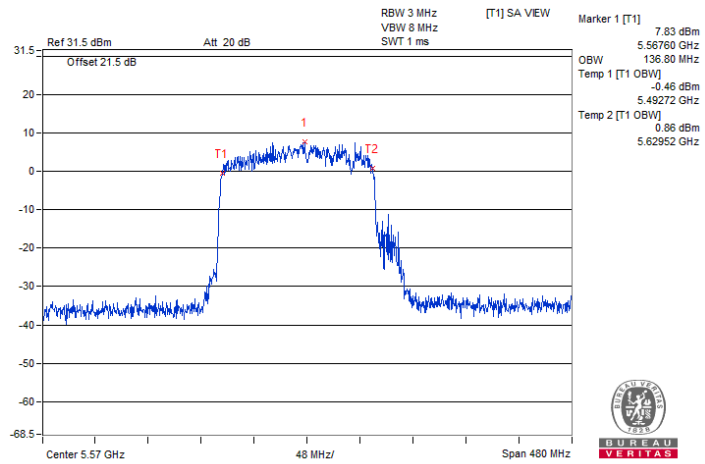
802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 140@83



802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 58@90



802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 114@95-1



802.11be (EHT160) 996+484+242-tone MRU / Chain 0 : CH 114@99-1

7.6 Frequency Stability

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu

Frequency Stability Versus Temperature									
Operating Frequency: 5500 MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
70	3.3	5500.0211	Pass	5500.0199	Pass	5500.0221	Pass	5500.021	Pass
60	3.3	5499.9745	Pass	5499.9756	Pass	5499.9738	Pass	5499.9738	Pass
50	3.3	5500.025	Pass	5500.0223	Pass	5500.0247	Pass	5500.026	Pass
40	3.3	5499.982	Pass	5499.9783	Pass	5499.9823	Pass	5499.9828	Pass
30	3.3	5499.9943	Pass	5499.9941	Pass	5499.9934	Pass	5499.9954	Pass
20	3.3	5499.992	Pass	5499.9888	Pass	5499.9914	Pass	5499.992	Pass
10	3.3	5499.98	Pass	5499.9803	Pass	5499.9819	Pass	5499.9787	Pass
0	3.3	5499.9804	Pass	5499.9815	Pass	5499.9809	Pass	5499.984	Pass
-10	3.3	5499.9899	Pass	5499.9865	Pass	5499.9885	Pass	5499.9879	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5500 MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	3.795	5499.9845	Pass	5499.9854	Pass	5499.9855	Pass	5499.9853	Pass
	3.3	5499.992	Pass	5499.9888	Pass	5499.9914	Pass	5499.992	Pass
	2.805	5500.0032	Pass	5500.0024	Pass	5500.0032	Pass	5500.0009	Pass

7.7 AC Power Conducted Emissions

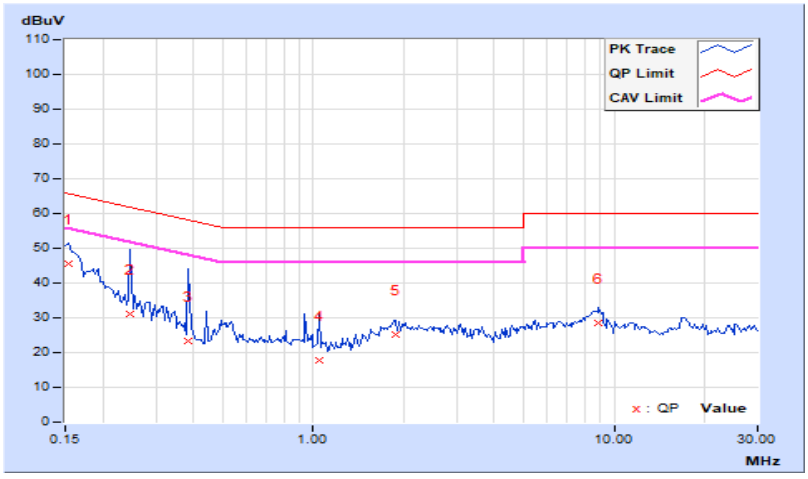
1S1T

RF Mode	802.11be (EHT40)	**Channel**	CH 110：5550 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**	23°C, 62% RH
Tested By	Sampson Chen		

Phase Of Power : Line (L)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15391	9.93	35.49	15.87	45.42	25.80	65.79	55.79	-20.37	-29.99
2	0.24766	9.93	21.33	3.91	31.26	13.84	61.84	51.84	-30.58	-38.00
3	0.38438	9.94	13.50	2.34	23.44	12.28	58.18	48.18	-34.74	-35.90
4	1.04688	9.98	7.92	1.39	17.90	11.37	56.00	46.00	-38.10	-34.63
5	1.87109	10.01	15.28	10.09	25.29	20.10	56.00	46.00	-30.71	-25.90
6	8.91016	10.41	18.13	12.50	28.54	22.91	60.00	50.00	-31.46	-27.09

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

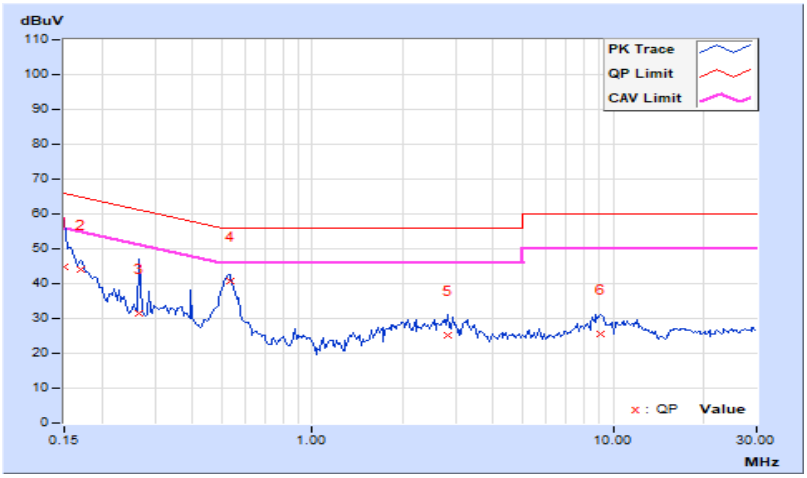


RF Mode	802.11be (EHT40)	**Channel**	CH 110：5550 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 62% RH
Tested By	Sampson Chen		

Phase Of Power : Neutral (N)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15000	9.98	34.93	15.09	44.91	25.07	66.00	56.00	-21.09	-30.93
2	0.16953	9.99	34.00	19.51	43.99	29.50	64.98	54.98	-20.99	-25.48
3	0.26719	9.99	21.32	5.33	31.31	15.32	61.20	51.20	-29.89	-35.88
4	**0.53281**	**10.01**	**30.66**	**23.87**	**40.67**	**33.88**	**56.00**	**46.00**	**-15.33**	**-12.12**
5	2.81641	10.11	15.22	8.76	25.33	18.87	56.00	46.00	-30.67	-27.13
6	9.03906	10.38	15.24	10.31	25.62	20.69	60.00	50.00	-34.38	-29.31

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



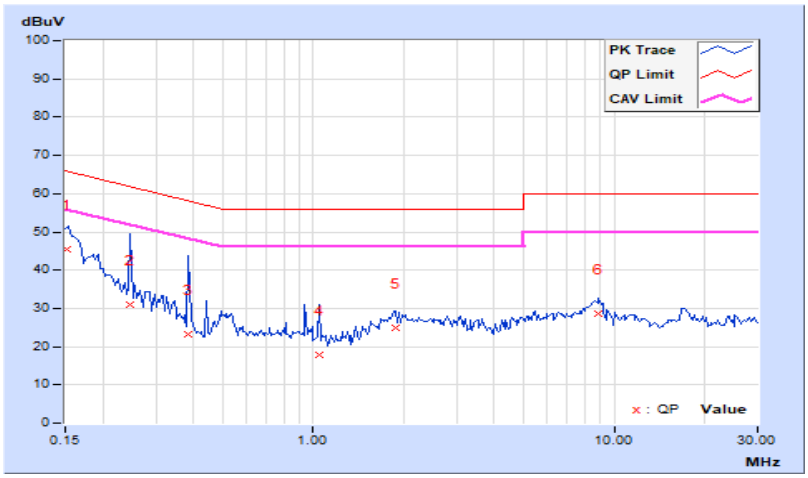
2S2T

RF Mode	802.11be (EHT40)	**Channel**	CH 54：5270 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, 67% RH
Tested By	Sampson Chen		

Phase Of Power : Line (L)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15261	9.93	35.64	15.33	45.57	25.26	65.86	55.86	-20.29	-30.60
2	0.24723	9.93	21.12	3.67	31.05	13.60	61.85	51.85	-30.80	-38.25
3	0.38397	9.94	13.40	2.24	23.34	12.18	58.19	48.19	-34.85	-36.01
4	1.04601	9.98	7.74	1.24	17.72	11.22	56.00	46.00	-38.28	-34.78
5	1.87169	10.01	15.01	10.00	25.02	20.01	56.00	46.00	-30.98	-25.99
6	8.91098	10.41	18.34	12.74	28.75	23.15	60.00	50.00	-31.25	-26.85

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

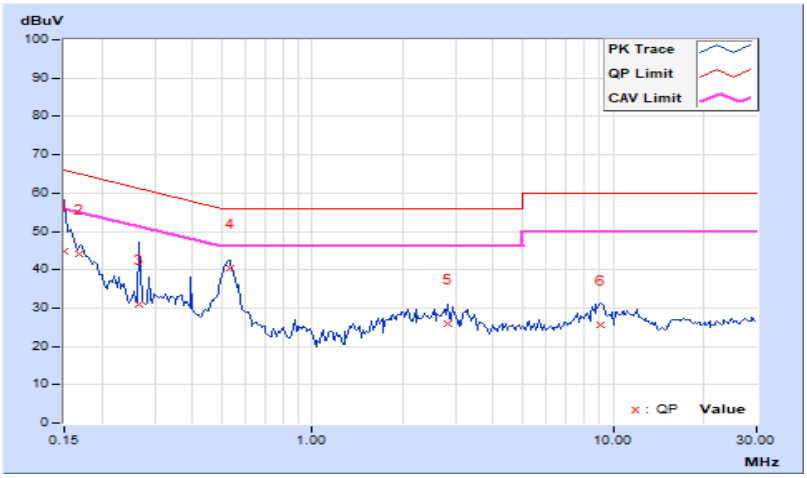


RF Mode	802.11be (EHT40)	**Channel**	CH 54：5270 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 67% RH
Tested By	Sampson Chen		

Phase Of Power : Neutral (N)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15023	9.99	34.65	15.19	44.64	25.18	65.99	55.99	-21.35	-30.81
2	0.16864	9.99	34.27	19.68	44.26	29.67	65.03	55.03	-20.77	-25.36
3	0.26651	9.99	21.05	5.21	31.04	15.20	61.23	51.23	-30.19	-36.03
4	0.53196	10.01	30.50	23.54	40.51	33.55	56.00	46.00	-15.49	-12.45
5	2.81504	10.11	15.67	8.47	25.78	18.58	56.00	46.00	-30.22	-27.42
6	9.03764	10.38	15.05	10.24	25.43	20.62	60.00	50.00	-34.57	-29.38

Remarks:

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



7.8 Unwanted Emissions below 1 GHz

Mode A

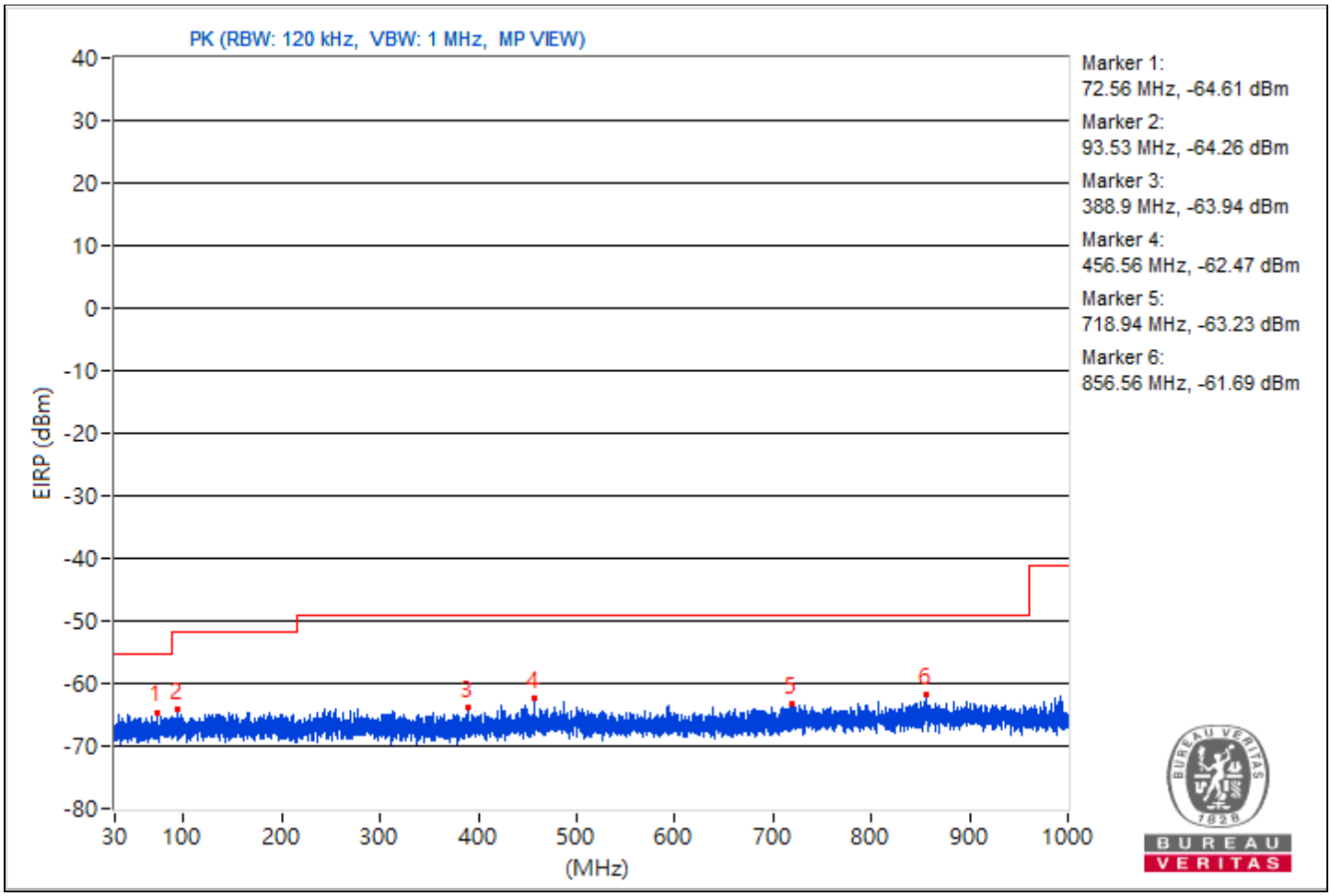
1S1T

RF Mode	802.11be (EHT40)	Channel	CH 110：5550 MHz
Frequency Range	30 MHz ~ 1 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	72.56	30.65 PK	40	-9.35	-74.23	9.62	-64.61
2	93.53	31 PK	43.5	-12.5	-73.88	9.62	-64.26
3	388.9	31.32 PK	46	-14.68	-73.56	9.62	-63.94
4	456.56	32.79 PK	46	-13.21	-72.09	9.62	-62.47
5	718.94	32.03 PK	46	-13.97	-72.85	9.62	-63.23
6	856.56	33.57 PK	46	-12.43	-71.31	9.62	-61.69

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.



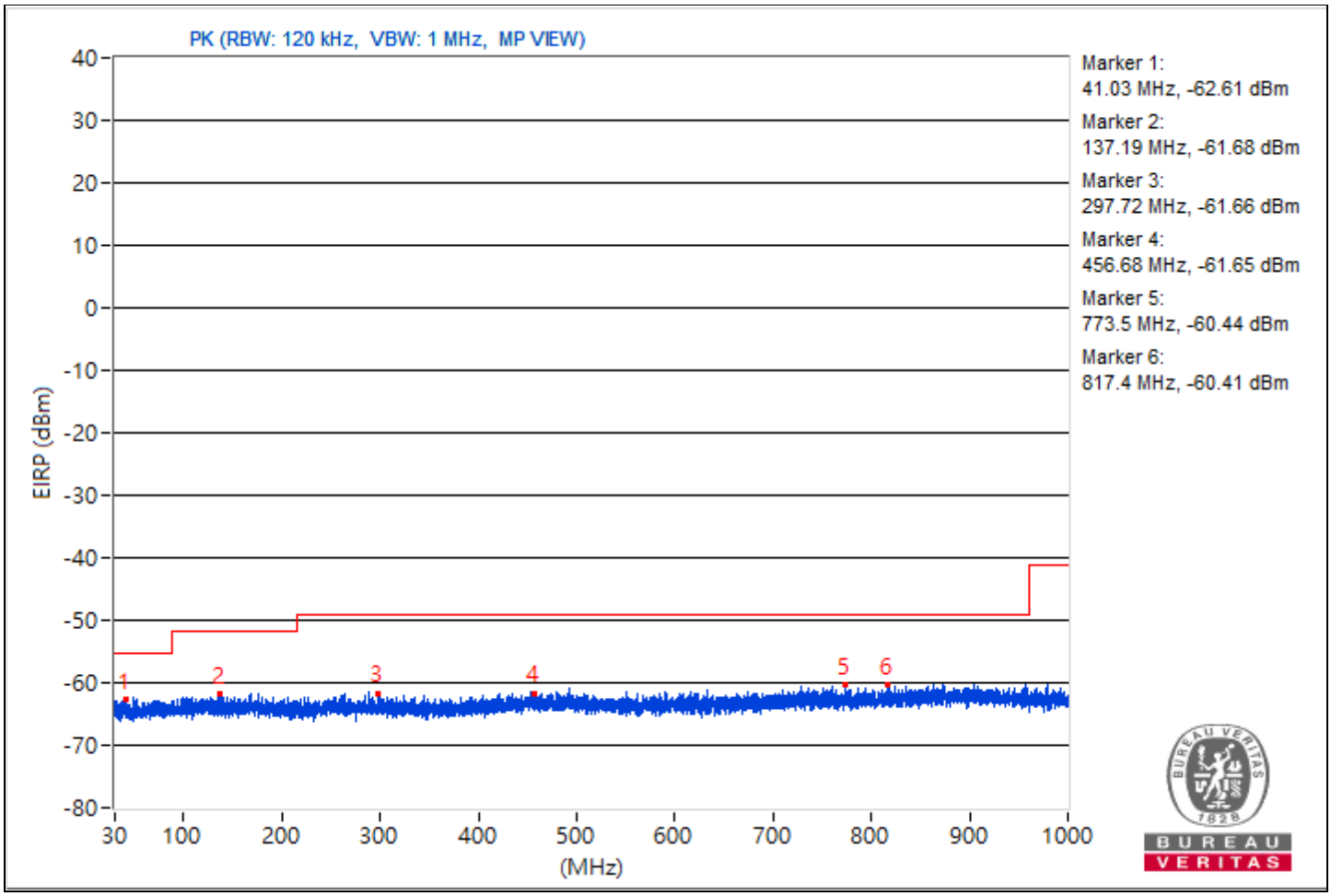
2S2T

RF Mode	802.11be (EHT40)	Channel	CH 54：5270 MHz
Frequency Range	30 MHz ~ 1 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	41.03	32.65 PK	40	-7.35	-77.27	-73.86	9.62	-62.61
2	137.19	33.58 PK	43.5	-9.92	-73.45	-75.39	9.62	-61.68
3	297.72	33.6 PK	46	-12.4	-73.5	-75.26	9.62	-61.66
4	456.68	33.61 PK	46	-12.39	-72.86	-76.42	9.62	-61.65
5	773.5	34.82 PK	46	-11.18	-74.49	-72	9.62	-60.44
6	817.4	34.85 PK	46	-11.15	-74.01	-72.24	9.62	-60.41

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

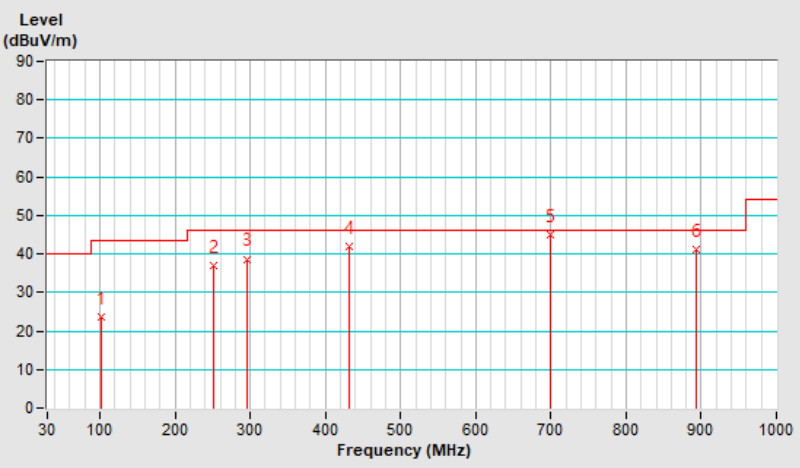
1S1T

RF Mode	802.11be (EHT40)	Channel	CH 110：5550 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 70% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	101.60	23.6 QP	43.5	-19.9	3.00 H	347	45.5	-21.9
2	250.60	36.9 QP	46.0	-9.1	1.00 H	235	56.0	-19.1
3	295.00	38.7 QP	46.0	-7.3	2.00 H	292	56.3	-17.6
4	432.51	41.9 QP	46.0	-4.1	1.50 H	334	55.8	-13.9
5	698.33	45.0 QP	46.0	-1.0	2.00 H	245	54.0	-9.0
6	893.60	41.0 QP	46.0	-5.0	1.00 H	282	46.8	-5.8

Remarks:

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

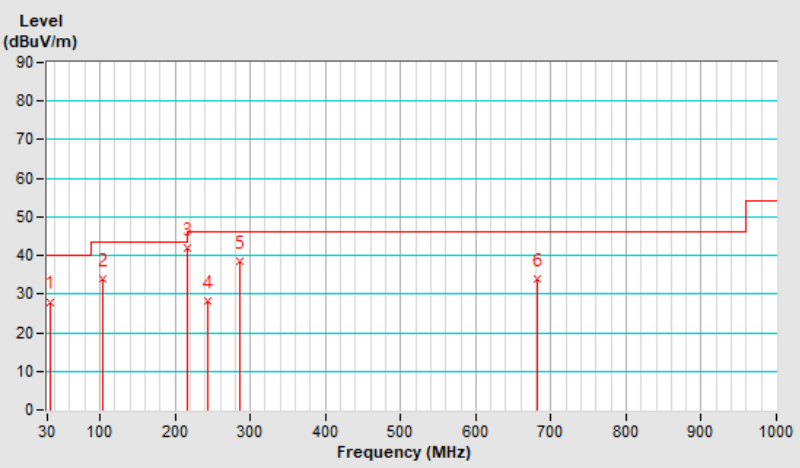


RF Mode	802.11be (EHT40)	Channel	CH 110：5550 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 70% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.25	28.0 QP	40.0	-12.0	1.50 V	260	46.8	-18.8
2	103.51	33.8 QP	43.5	-9.7	1.00 V	337	55.4	-21.6
3	216.30	41.8 QP	46.0	-4.2	1.00 V	150	63.2	-21.4
4	242.50	28.2 QP	46.0	-17.8	1.00 V	16	47.6	-19.4
5	286.70	38.5 QP	46.0	-7.5	2.00 V	271	56.3	-17.8
6	681.00	33.9 QP	46.0	-12.1	2.00 V	33	43.2	-9.3

Remarks:

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



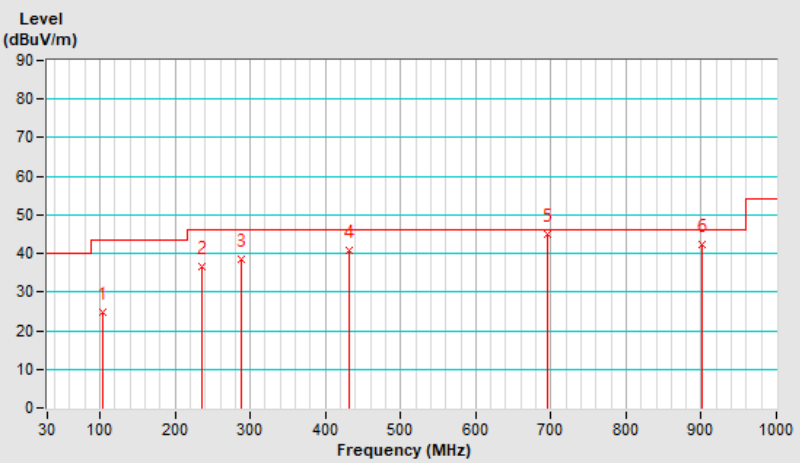
2S2T

RF Mode	802.11be (EHT40)	Channel	CH 54：5270 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 70% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	103.20	24.8 QP	43.5	-18.7	1.00 H	315	46.4	-21.6
2	235.80	36.5 QP	46.0	-9.5	1.00 H	225	56.3	-19.8
3	288.20	38.4 QP	46.0	-7.6	3.00 H	303	56.2	-17.8
4	431.51	40.9 QP	46.0	-5.1	1.50 H	286	54.9	-14.0
5	**695.66**	**45.1 QP**	**46.0**	**-0.9**	**1.50 H**	**246**	**54.2**	**-9.1**
6	901.23	42.2 QP	46.0	-3.8	1.00 H	271	48.1	-5.9

Remarks:

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

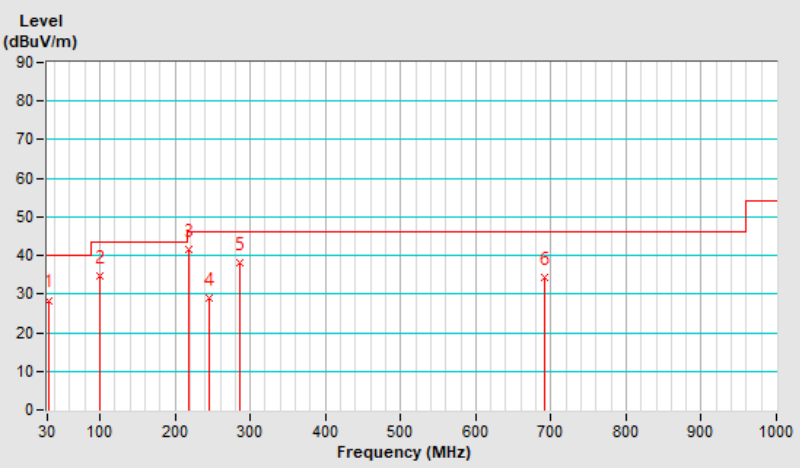


RF Mode	802.11be (EHT40)	Channel	CH 54：5270 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 70% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.58	28.4 QP	40.0	-11.6	1.50 V	278	47.3	-18.9
2	100.50	34.8 QP	43.5	-8.7	3.00 V	350	56.9	-22.1
3	217.50	41.6 QP	46.0	-4.4	1.00 V	150	63.0	-21.4
4	246.20	29.0 QP	46.0	-17.0	1.00 V	18	48.2	-19.2
5	286.90	38.0 QP	46.0	-8.0	1.50 V	268	55.8	-17.8
6	691.50	34.4 QP	46.0	-11.6	1.50 V	37	43.6	-9.2

Remarks:

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



7.9 Unwanted Emissions above 1 GHz

Mode A

1S1T

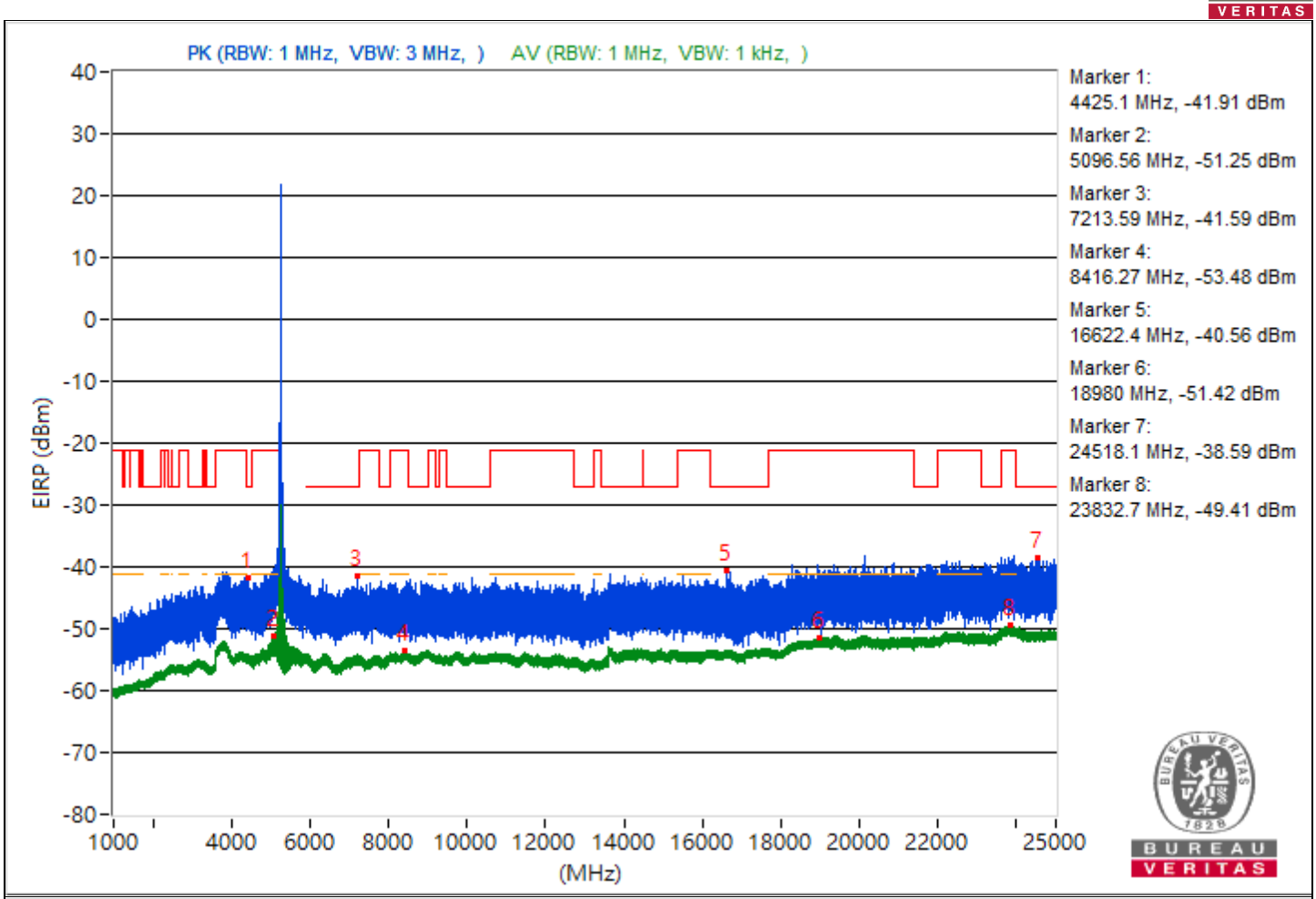
Conducted Unwanted Emissions

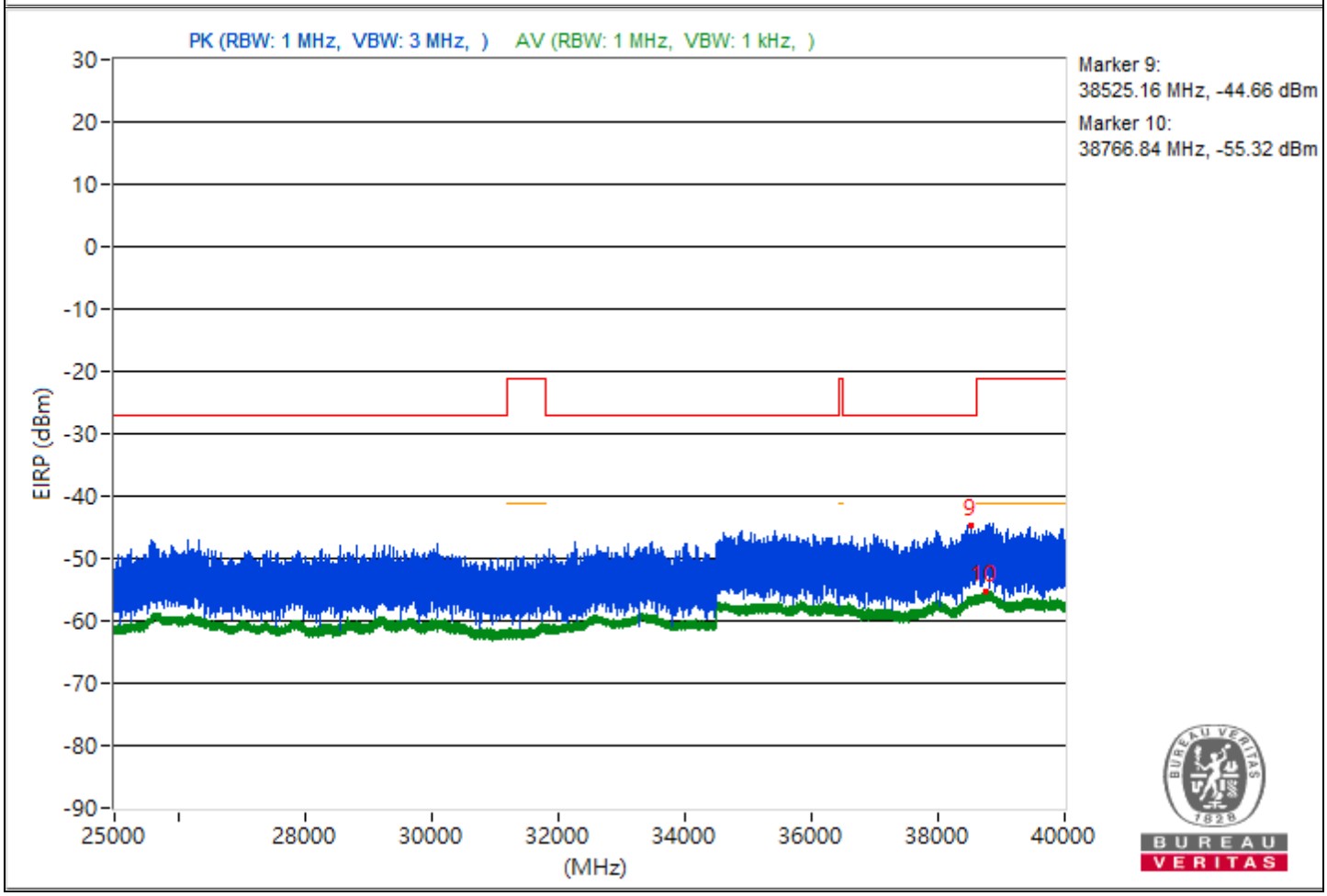
RF Mode	802.11be (EHT20)	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#4425.1	53.35 PK	68.26	-14.91	-46.83	4.92	-41.91
2	5096.56	44.01 AV	54	-9.99	-56.17	4.92	-51.25
3	#7213.59	53.67 PK	68.26	-14.59	-46.51	4.92	-41.59
4	8416.27	41.78 AV	54	-12.22	-58.4	4.92	-53.48
5	#16622.4	54.7 PK	68.26	-13.56	-45.48	4.92	-40.56
6	18980	43.84 AV	54	-10.16	-56.34	4.92	-51.42
7	#24518.1	56.67 PK	68.26	-11.59	-43.51	4.92	-38.59
8	23832.7	45.85 AV	54	-8.15	-54.33	4.92	-49.41
9	#38525.16	50.6 PK	68.26	-17.66	-49.58	4.92	-44.66
10	38766.84	39.94 AV	54	-14.06	-60.24	4.92	-55.32

Notes:

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


PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
EIRP (dBm)
(MHz)
Marker 1:
4425.1 MHz, -41.91 dBm
Marker 2:
5096.56 MHz, -51.25 dBm
Marker 3:
7213.59 MHz, -41.59 dBm
Marker 4:
8416.27 MHz, -53.48 dBm
Marker 5:
16622.4 MHz, -40.56 dBm
Marker 6:
18980 MHz, -51.42 dBm
Marker 7:
24518.1 MHz, -38.59 dBm
Marker 8:
23832.7 MHz, -49.41 dBm

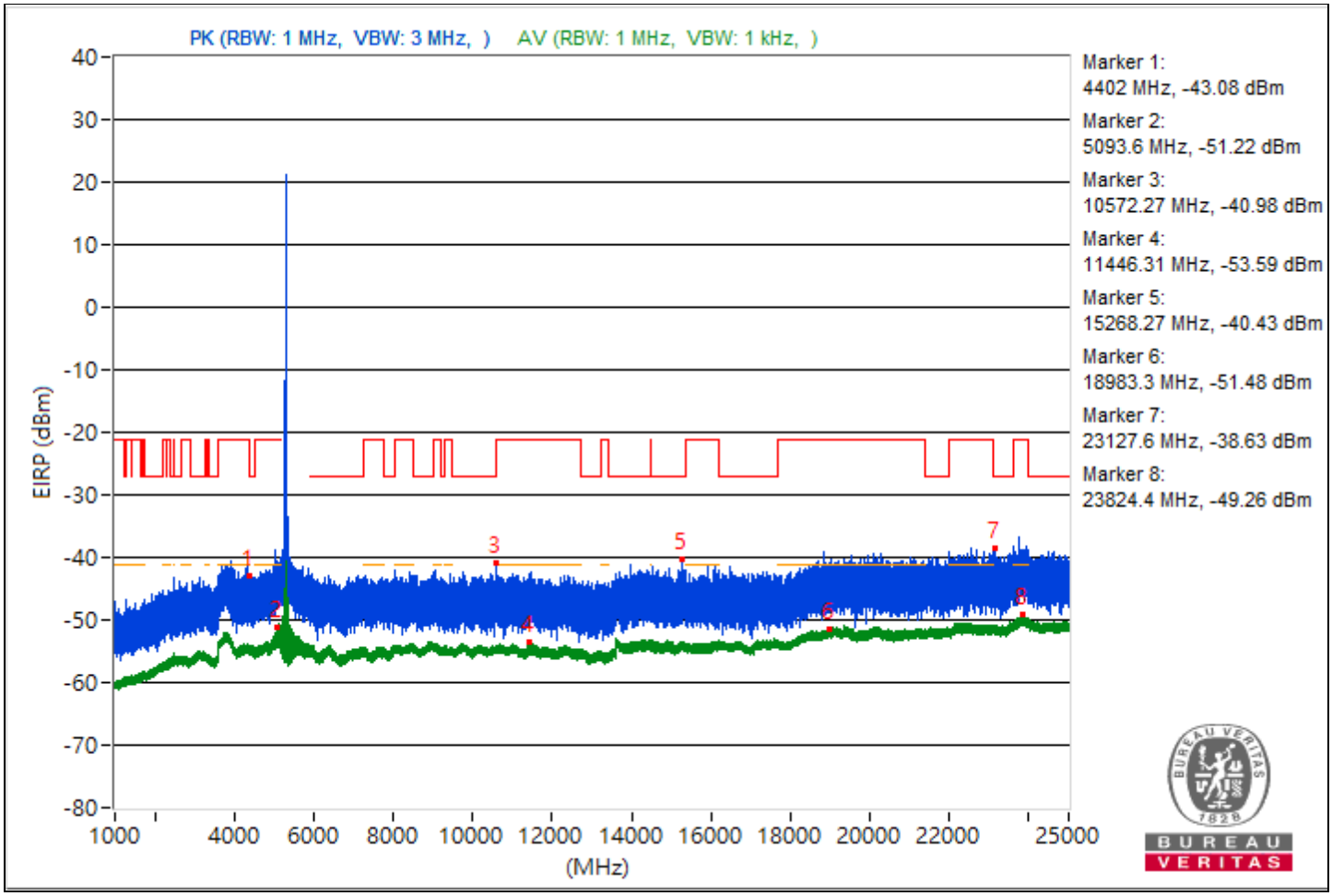

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
EIRP (dBm)
(MHz)
Marker 9:
38525.16 MHz, -44.66 dBm
Marker 10:
38766.84 MHz, -55.32 dBm

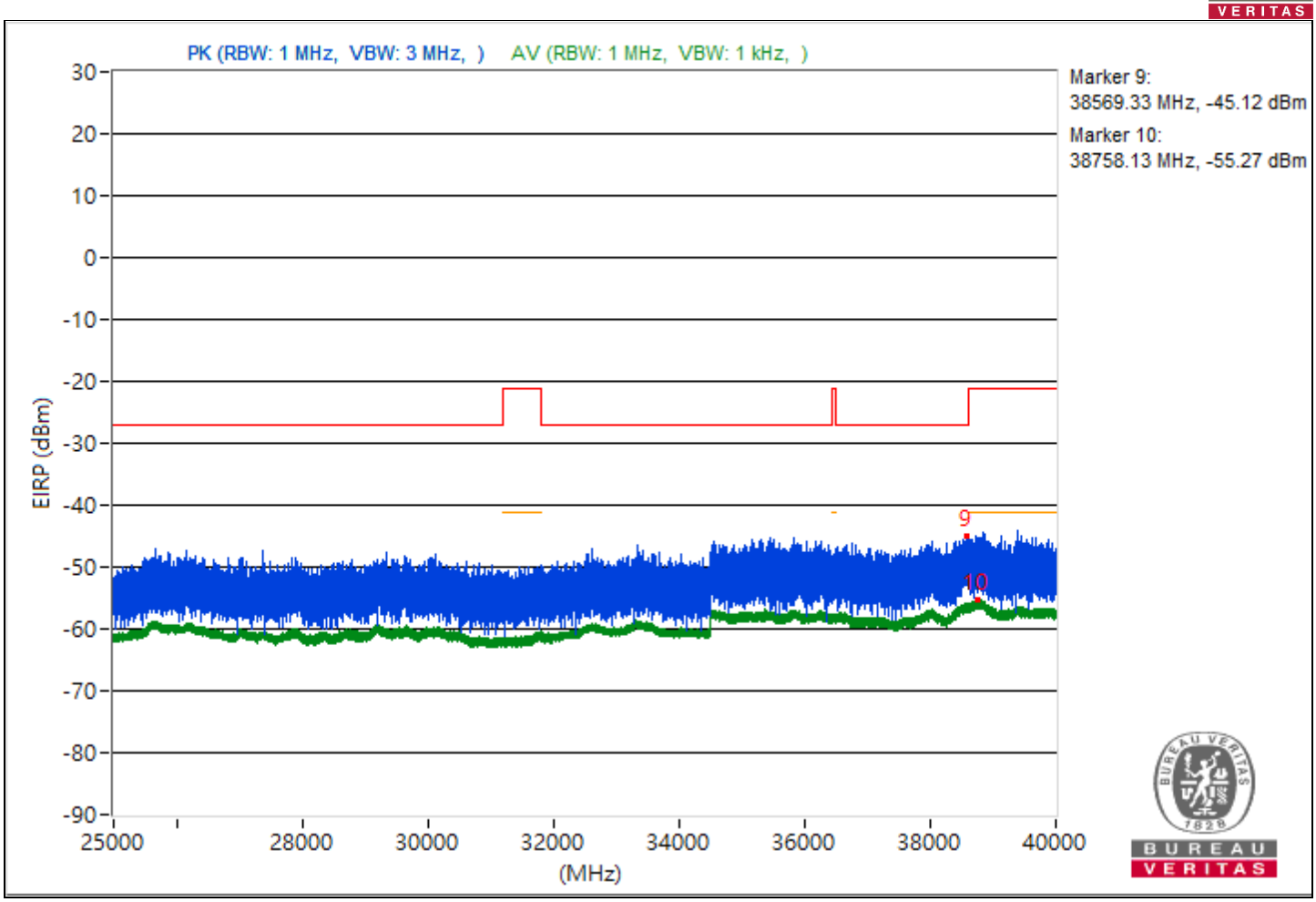
RF Mode	802.11be (EHT20)	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#4402	52.18 PK	68.26	-16.08	-48	4.92	-43.08
2	5093.6	44.04 AV	54	-9.96	-56.14	4.92	-51.22
3	#10572.27	54.28 PK	68.26	-13.98	-45.9	4.92	-40.98
4	11446.31	41.67 AV	54	-12.33	-58.51	4.92	-53.59
5	#15268.27	54.83 PK	68.26	-13.43	-45.35	4.92	-40.43
6	18983.3	43.78 AV	54	-10.22	-56.4	4.92	-51.48
7	#23127.6	56.63 PK	68.26	-11.63	-43.55	4.92	-38.63
8	23824.4	46 AV	54	-8	-54.18	4.92	-49.26
9	#38569.33	50.14 PK	68.26	-18.12	-50.04	4.92	-45.12
10	38758.13	39.99 AV	54	-14.01	-60.19	4.92	-55.27

Notes:

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



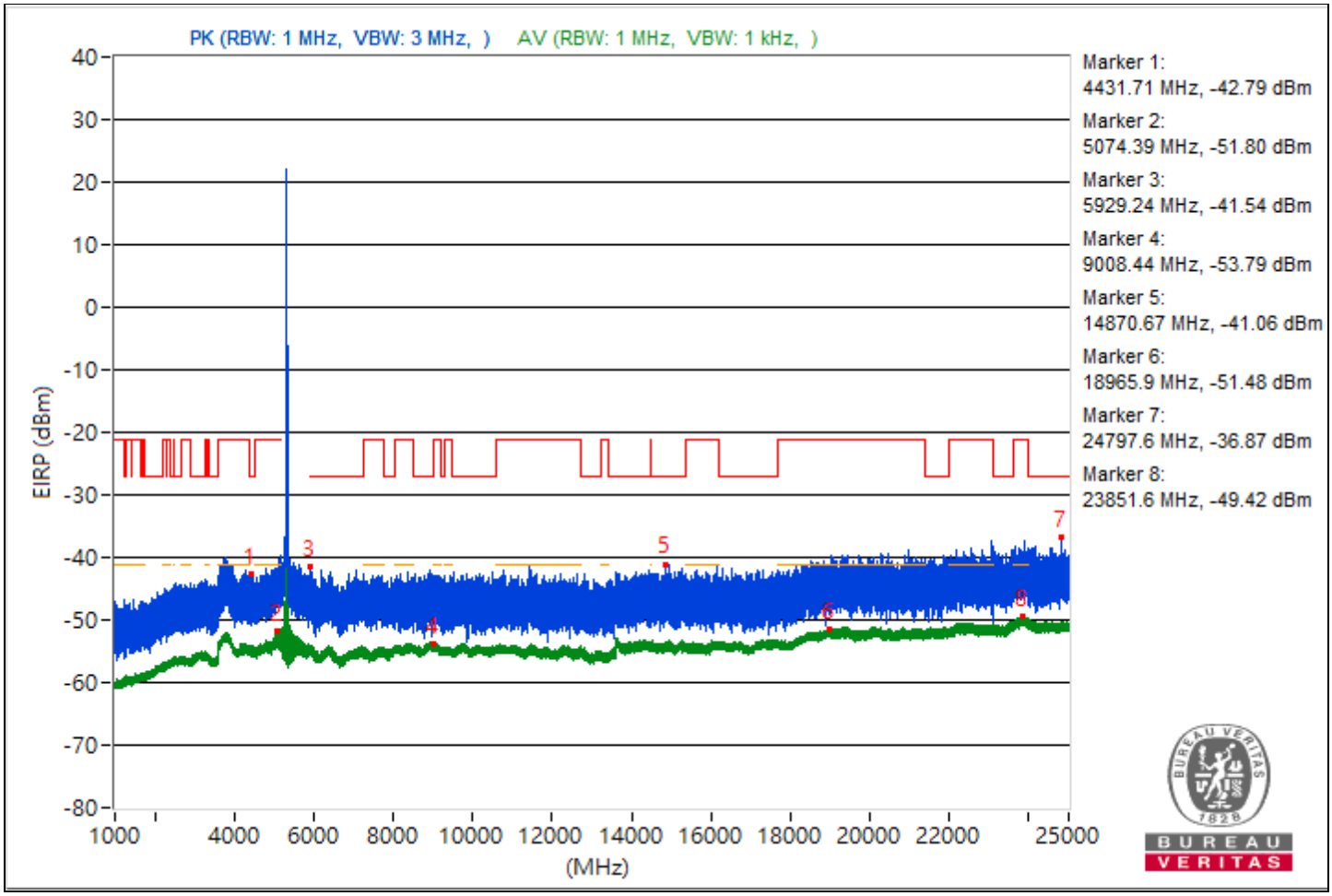

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38569.33 MHz, -45.12 dBm
Marker 10:
38758.13 MHz, -55.27 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

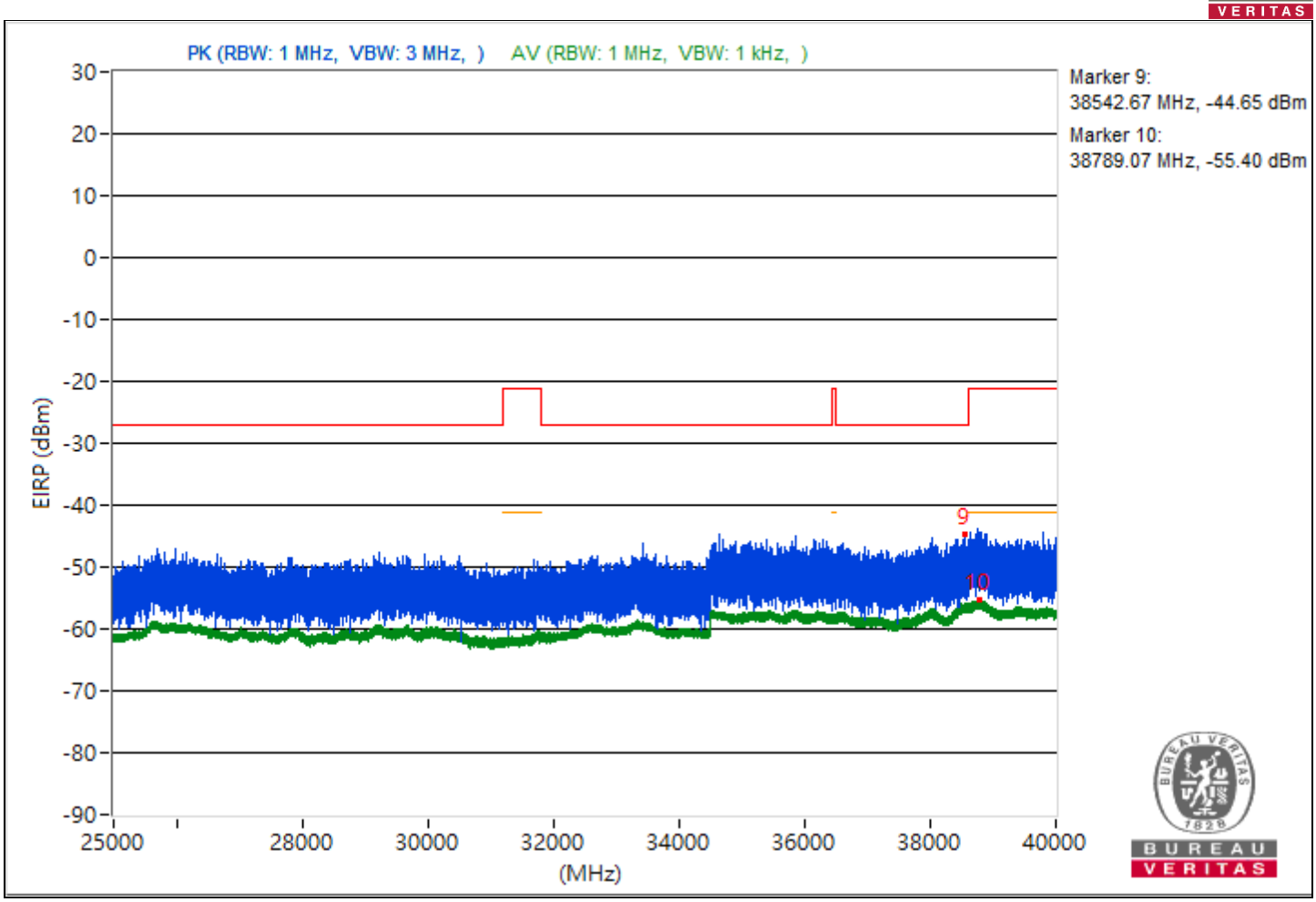
RF Mode	802.11be (EHT20)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#4431.71	52.47 PK	68.26	-15.79	-47.71	4.92	-42.79
2	5074.39	43.46 AV	54	-10.54	-56.72	4.92	-51.8
3	#5929.24	53.72 PK	68.26	-14.54	-46.46	4.92	-41.54
4	9008.44	41.47 AV	54	-12.53	-58.71	4.92	-53.79
5	#14870.67	54.2 PK	68.26	-14.06	-45.98	4.92	-41.06
6	18965.9	43.78 AV	54	-10.22	-56.4	4.92	-51.48
7	#24797.6	58.39 PK	68.26	-9.87	-41.79	4.92	-36.87
8	23851.6	45.84 AV	54	-8.16	-54.34	4.92	-49.42
9	#38542.67	50.61 PK	68.26	-17.65	-49.57	4.92	-44.65
10	38789.07	39.86 AV	54	-14.14	-60.32	4.92	-55.4

Notes:

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



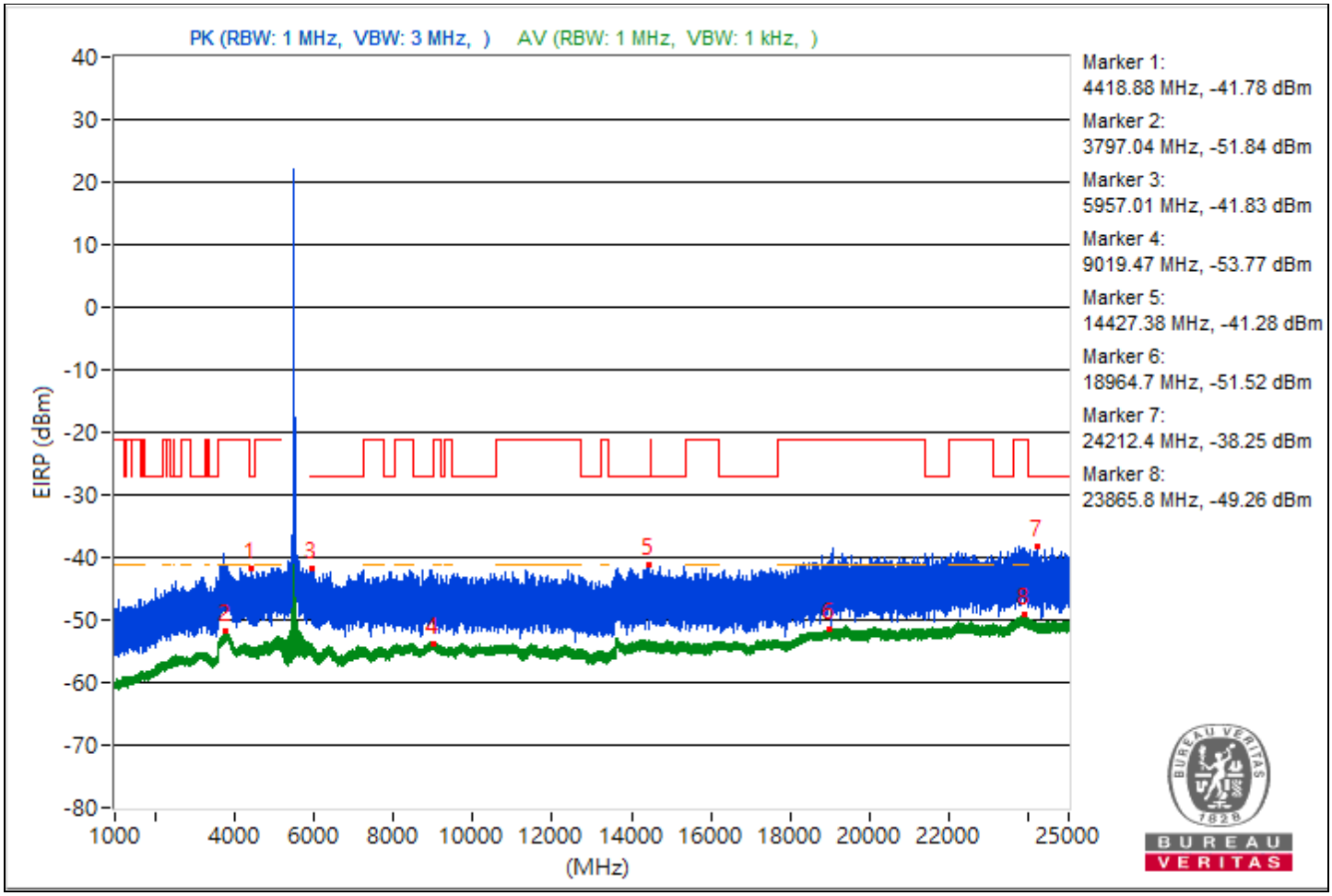

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38542.67 MHz, -44.65 dBm
Marker 10:
38789.07 MHz, -55.40 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

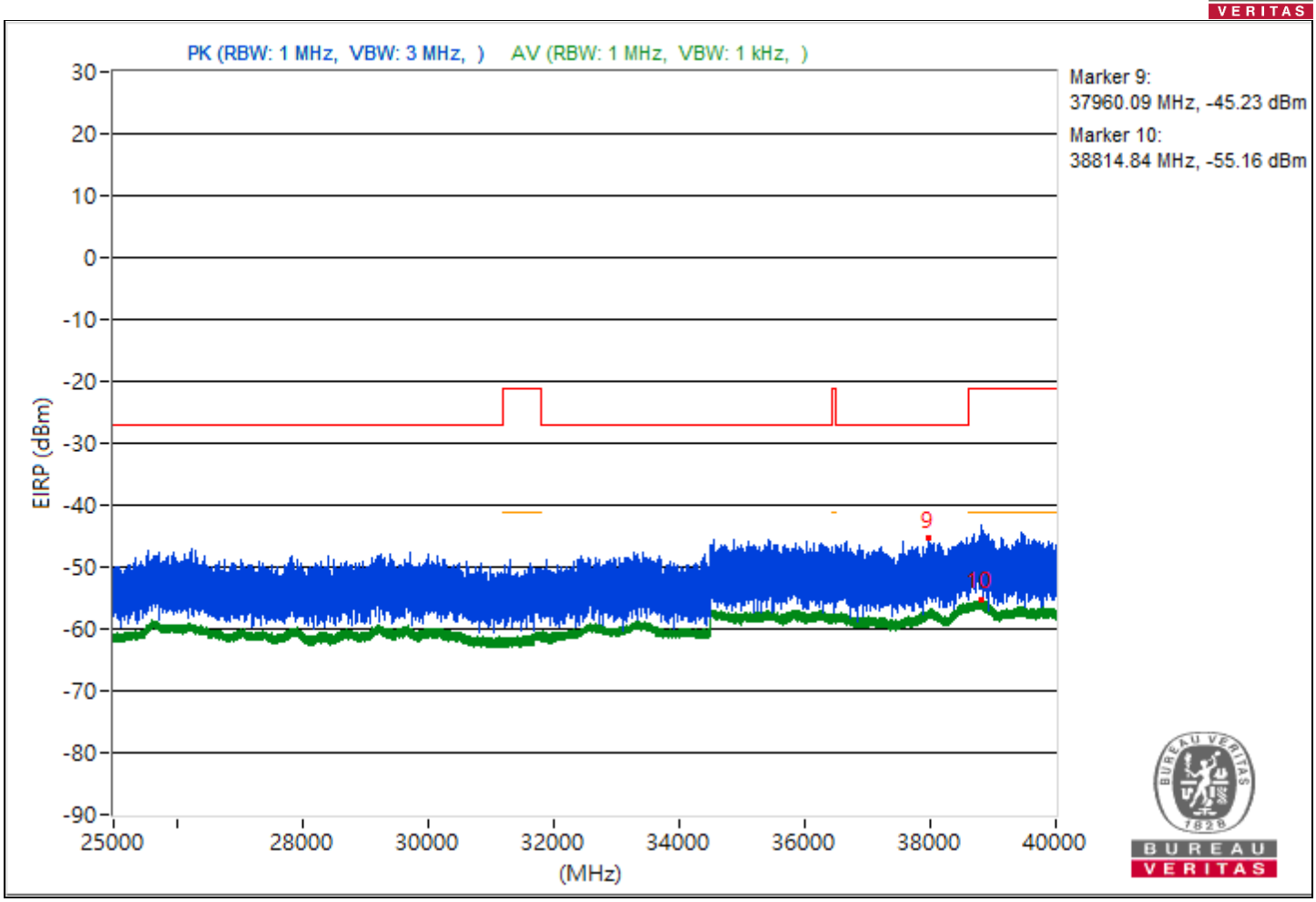
RF Mode	802.11be (EHT20)	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#4418.88	53.48 PK	68.26	-14.78	-46.7	4.92	-41.78
2	3797.04	43.42 AV	54	-10.58	-56.76	4.92	-51.84
3	#5957.01	53.43 PK	68.26	-14.83	-46.75	4.92	-41.83
4	9019.47	41.49 AV	54	-12.51	-58.69	4.92	-53.77
5	#14427.38	53.98 PK	68.26	-14.28	-46.2	4.92	-41.28
6	18964.7	43.74 AV	54	-10.26	-56.44	4.92	-51.52
7	#24212.4	57.01 PK	68.26	-11.25	-43.17	4.92	-38.25
8	23865.8	46 AV	54	-8	-54.18	4.92	-49.26
9	#37960.09	50.03 PK	68.26	-18.23	-50.15	4.92	-45.23
10	38814.84	40.1 AV	54	-13.9	-60.08	4.92	-55.16

Notes:

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



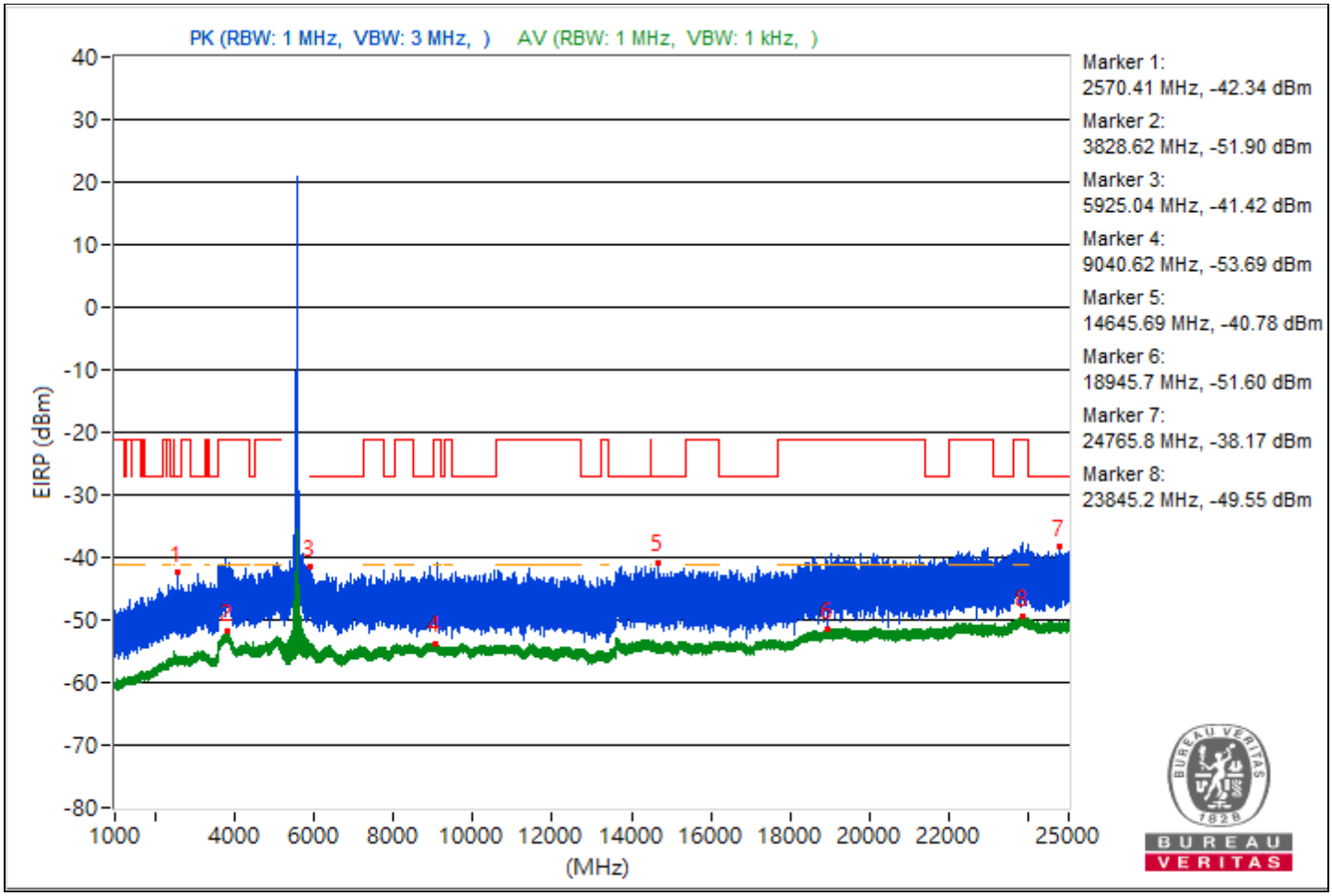

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
37960.09 MHz, -45.23 dBm
Marker 10:
38814.84 MHz, -55.16 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

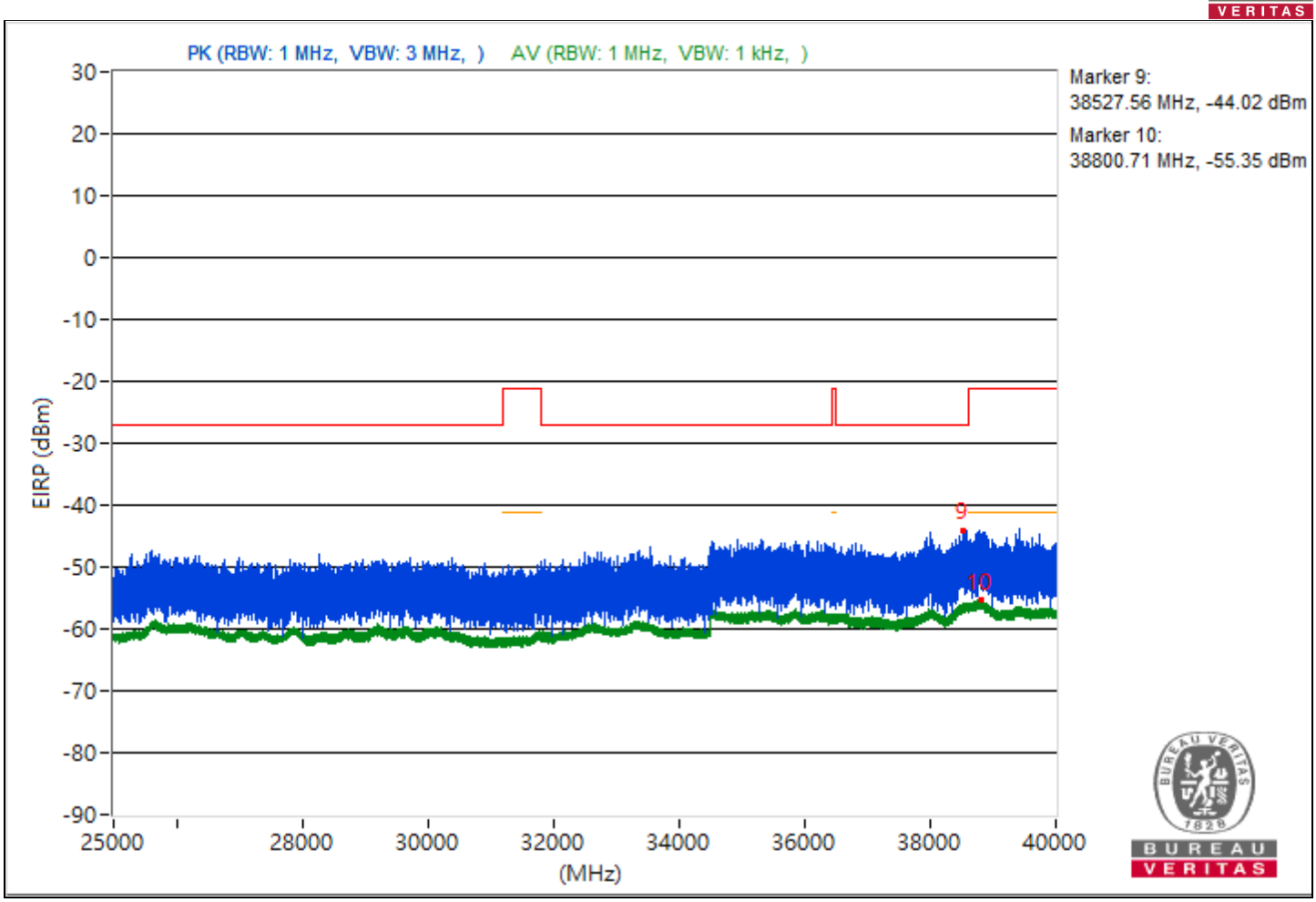
RF Mode	802.11be (EHT20)	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#2570.41	52.92 PK	68.26	-15.34	-47.26	4.92	-42.34
2	3828.62	43.36 AV	54	-10.64	-56.82	4.92	-51.9
3	#5925.04	53.84 PK	68.26	-14.42	-46.34	4.92	-41.42
4	9040.62	41.57 AV	54	-12.43	-58.61	4.92	-53.69
5	#14645.69	54.48 PK	68.26	-13.78	-45.7	4.92	-40.78
6	18945.7	43.66 AV	54	-10.34	-56.52	4.92	-51.6
7	#24765.8	57.09 PK	68.26	-11.17	-43.09	4.92	-38.17
8	23845.2	45.71 AV	54	-8.29	-54.47	4.92	-49.55
9	#38527.56	51.24 PK	68.26	-17.02	-48.94	4.92	-44.02
10	38800.71	39.91 AV	54	-14.09	-60.27	4.92	-55.35

Notes:

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



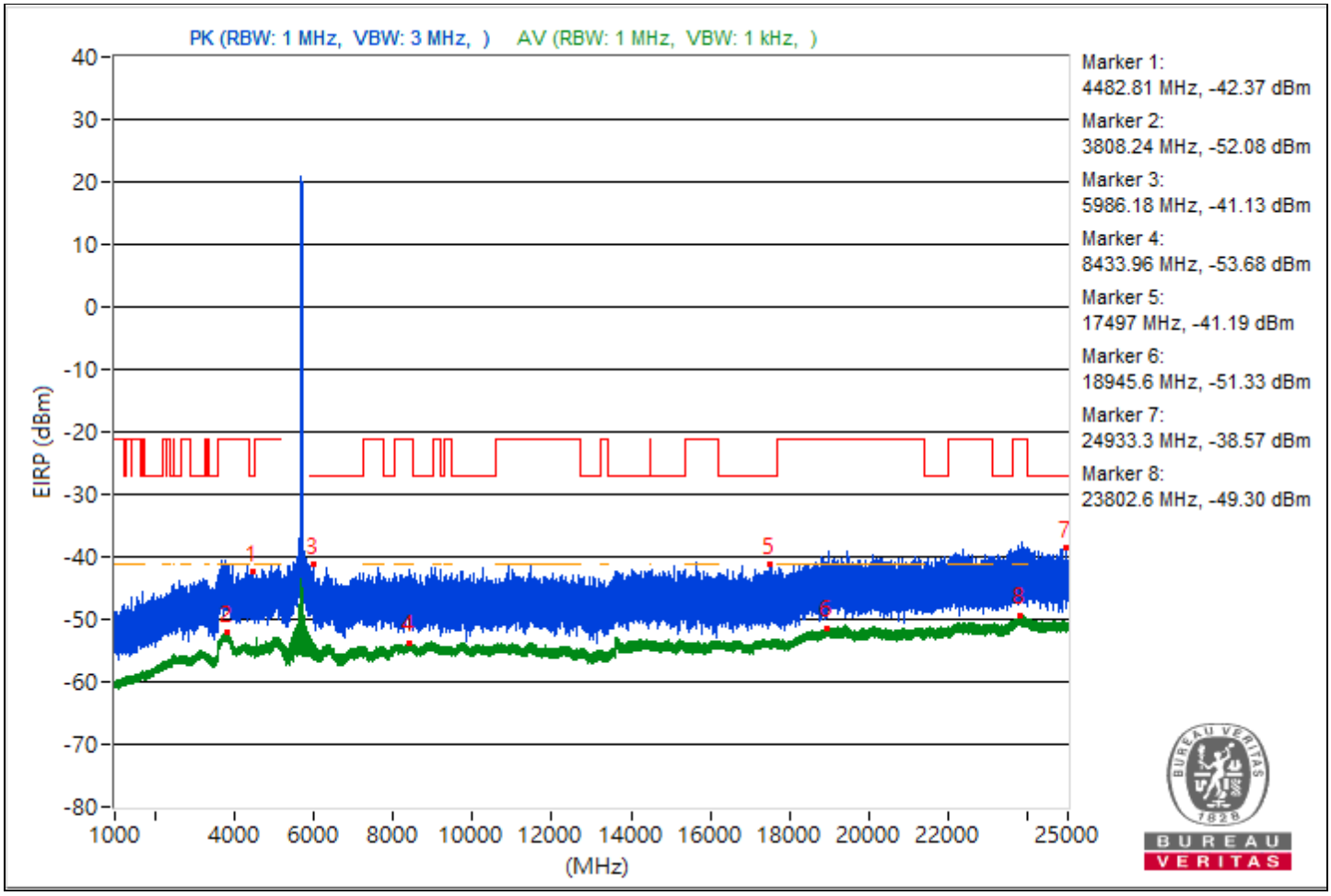

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38527.56 MHz, -44.02 dBm
Marker 10:
38800.71 MHz, -55.35 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

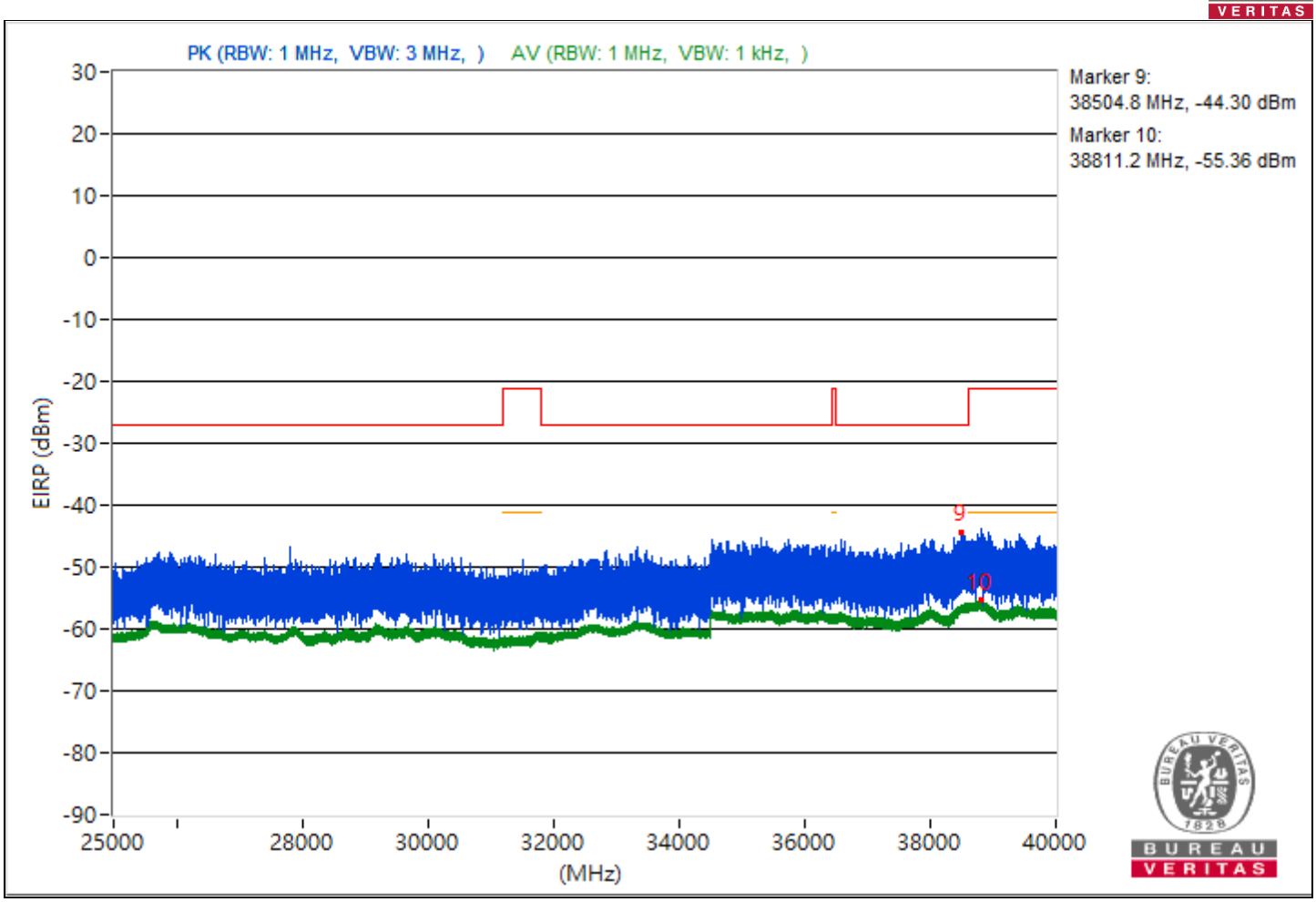
RF Mode	802.11be (EHT20)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#4482.81	52.89 PK	68.26	-15.37	-47.29	4.92	-42.37
2	3808.24	43.18 AV	54	-10.82	-57	4.92	-52.08
3	#5986.18	54.13 PK	68.26	-14.13	-46.05	4.92	-41.13
4	8433.96	41.58 AV	54	-12.42	-58.6	4.92	-53.68
5	#17497	54.07 PK	68.26	-14.19	-46.11	4.92	-41.19
6	18945.6	43.93 AV	54	-10.07	-56.25	4.92	-51.33
7	#24933.3	56.69 PK	68.26	-11.57	-43.49	4.92	-38.57
8	23802.6	45.96 AV	54	-8.04	-54.22	4.92	-49.3
9	#38504.8	50.96 PK	68.26	-17.3	-49.22	4.92	-44.3
10	38811.2	39.9 AV	54	-14.1	-60.28	4.92	-55.36

Notes:

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



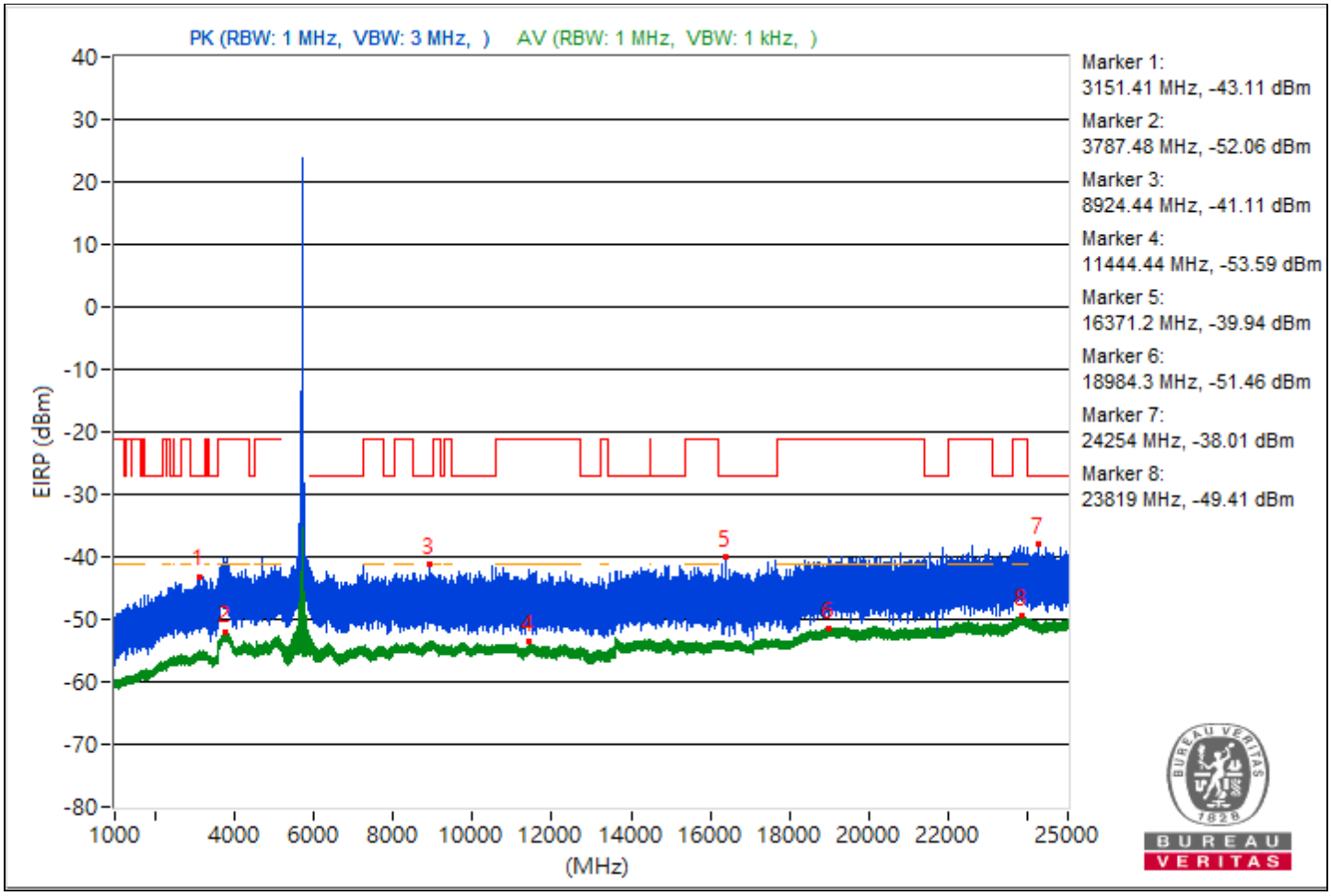

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38504.8 MHz, -44.30 dBm
Marker 10:
38811.2 MHz, -55.36 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

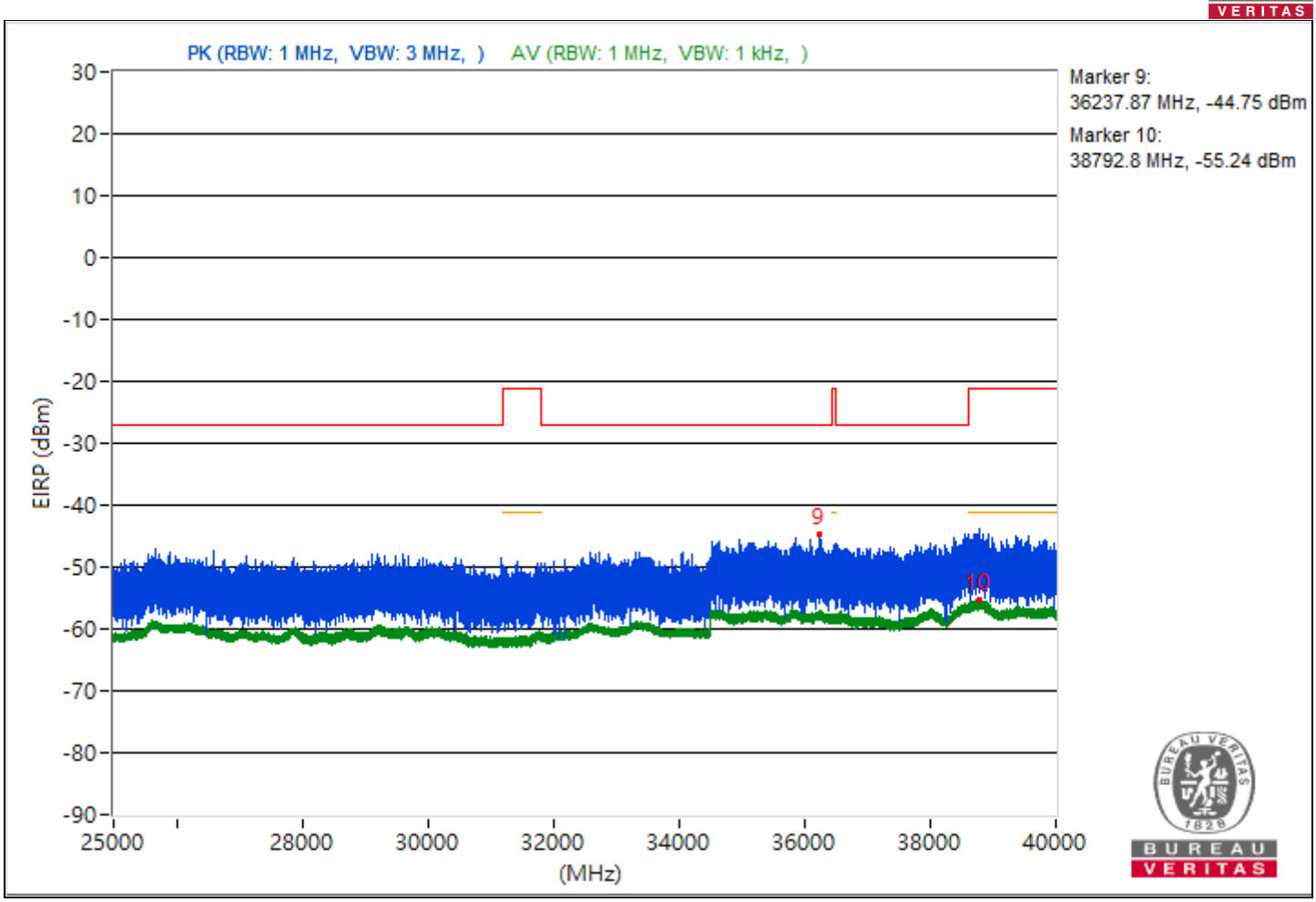
RF Mode	802.11be (EHT20)	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#3151.41	52.15 PK	68.26	-16.11	-48.03	4.92	-43.11
2	3787.48	43.2 AV	54	-10.8	-56.98	4.92	-52.06
3	#8924.44	54.15 PK	68.26	-14.11	-46.03	4.92	-41.11
4	11444.44	41.67 AV	54	-12.33	-58.51	4.92	-53.59
5	#16371.2	55.32 PK	68.26	-12.94	-44.86	4.92	-39.94
6	18984.3	43.8 AV	54	-10.2	-56.38	4.92	-51.46
7	#24254	57.25 PK	68.26	-11.01	-42.93	4.92	-38.01
8	23819	45.85 AV	54	-8.15	-54.33	4.92	-49.41
9	#36237.87	50.51 PK	68.26	-17.75	-49.67	4.92	-44.75
10	38792.8	40.02 AV	54	-13.98	-60.16	4.92	-55.24

Notes:

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



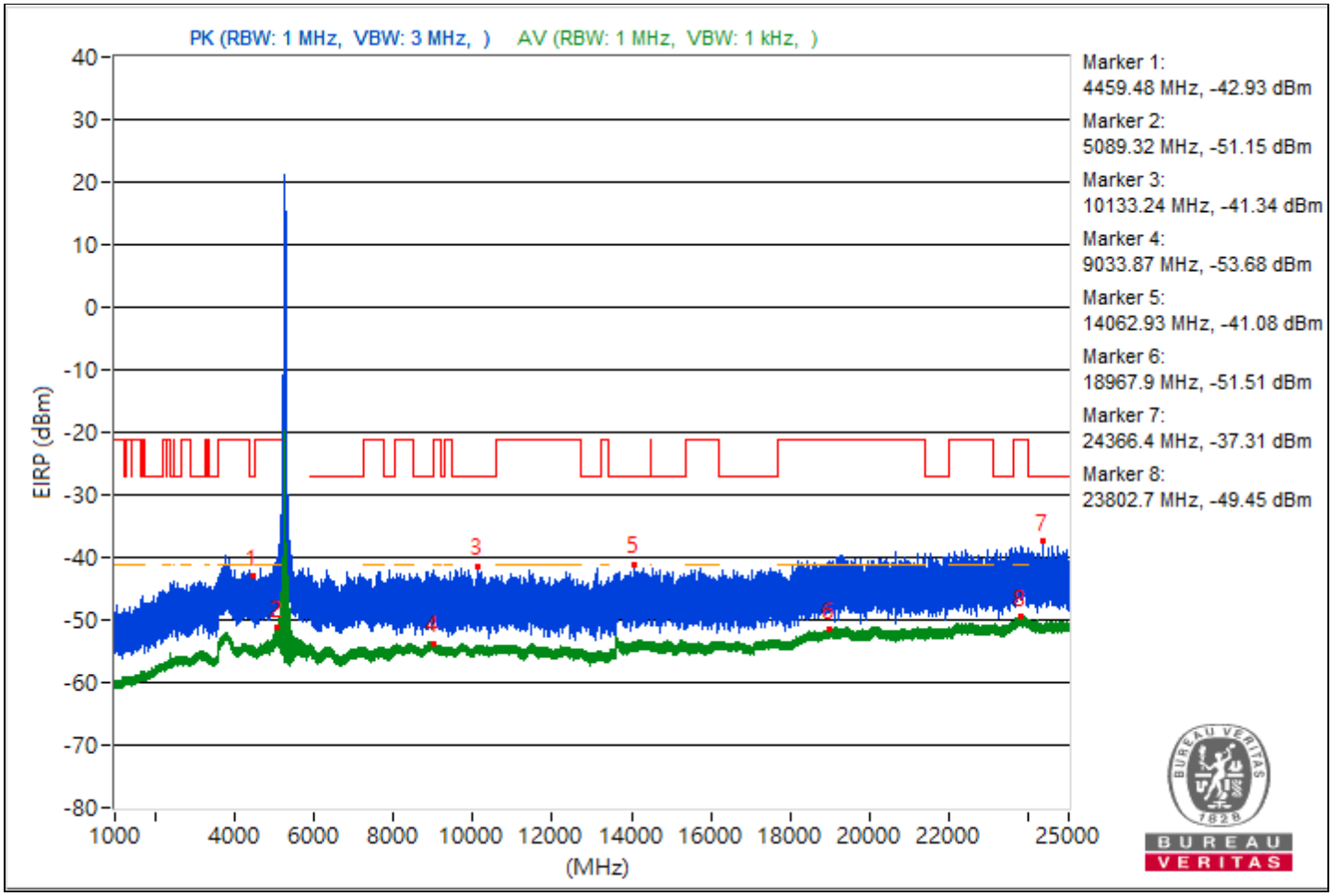

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
36237.87 MHz, -44.75 dBm
Marker 10:
38792.8 MHz, -55.24 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

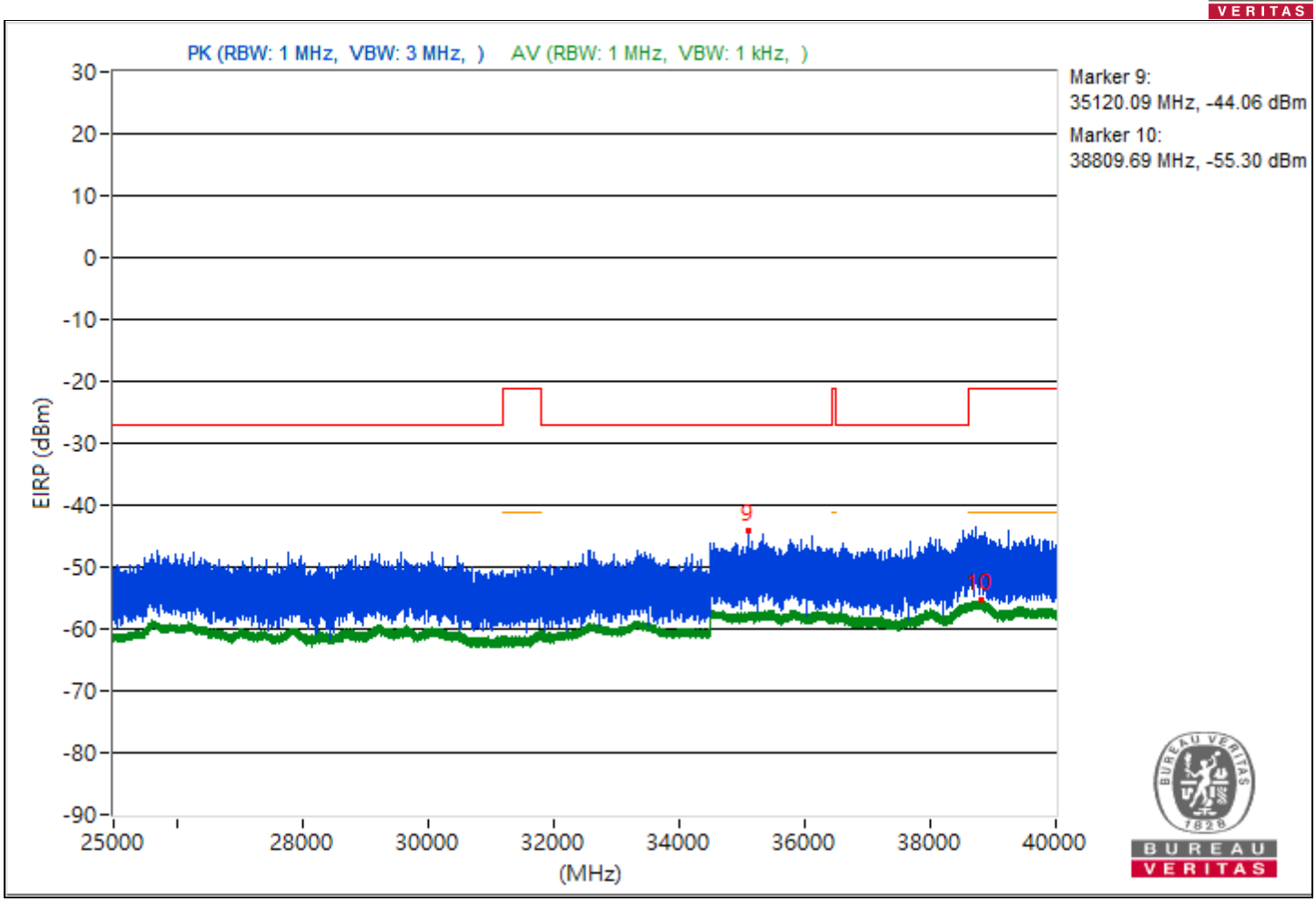
RF Mode	802.11be (EHT40)	Channel	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#4459.48	52.33 PK	68.26	-15.93	-47.85	4.92	-42.93
2	5089.32	44.11 AV	54	-9.89	-56.07	4.92	-51.15
3	#10133.24	53.92 PK	68.26	-14.34	-46.26	4.92	-41.34
4	9033.87	41.58 AV	54	-12.42	-58.6	4.92	-53.68
5	#14062.93	54.18 PK	68.26	-14.08	-46	4.92	-41.08
6	18967.9	43.75 AV	54	-10.25	-56.43	4.92	-51.51
7	#24366.4	57.95 PK	68.26	-10.31	-42.23	4.92	-37.31
8	23802.7	45.81 AV	54	-8.19	-54.37	4.92	-49.45
9	#35120.09	51.2 PK	68.26	-17.06	-48.98	4.92	-44.06
10	38809.69	39.96 AV	54	-14.04	-60.22	4.92	-55.3

Notes:

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



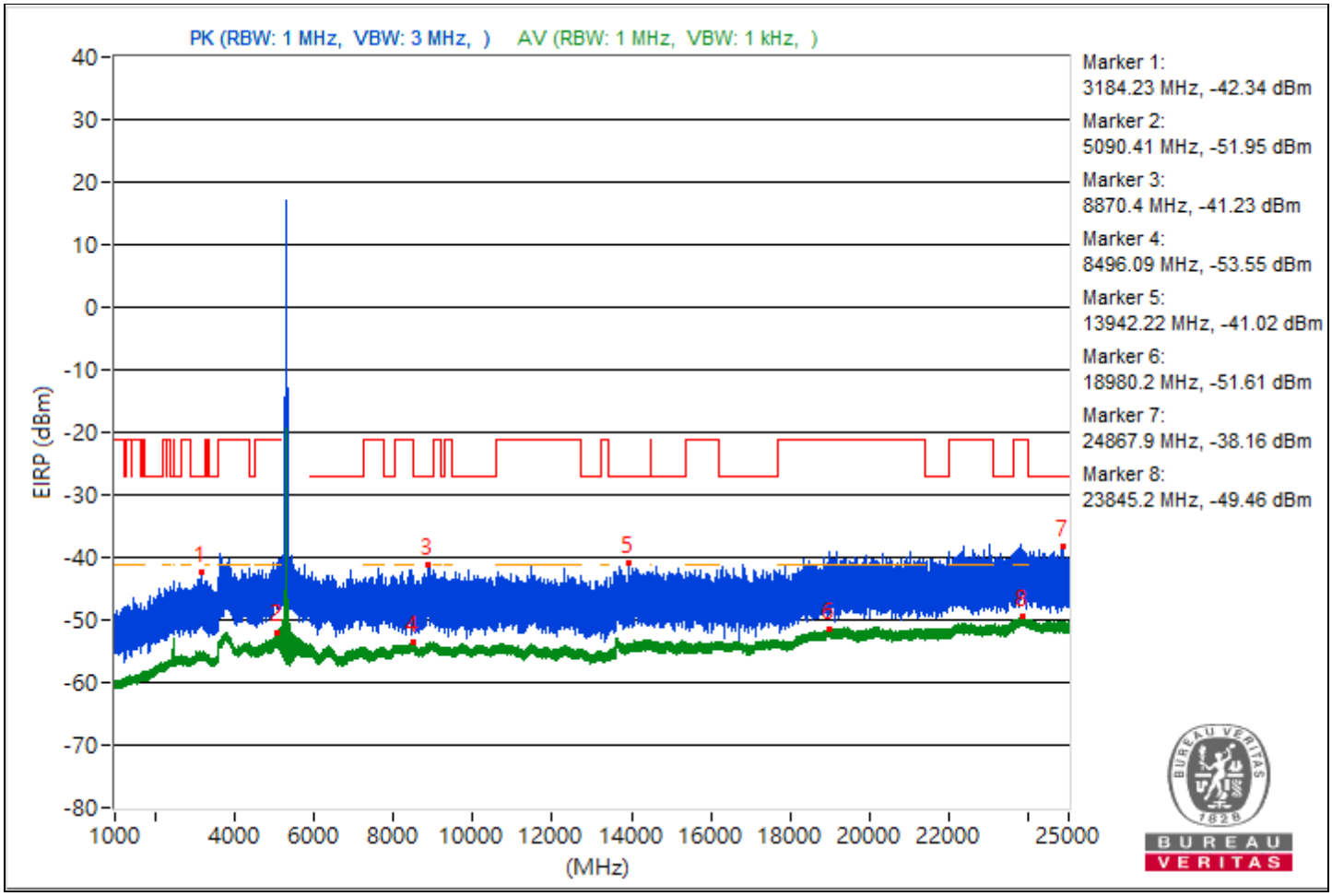

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
35120.09 MHz, -44.06 dBm
Marker 10:
38809.69 MHz, -55.30 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

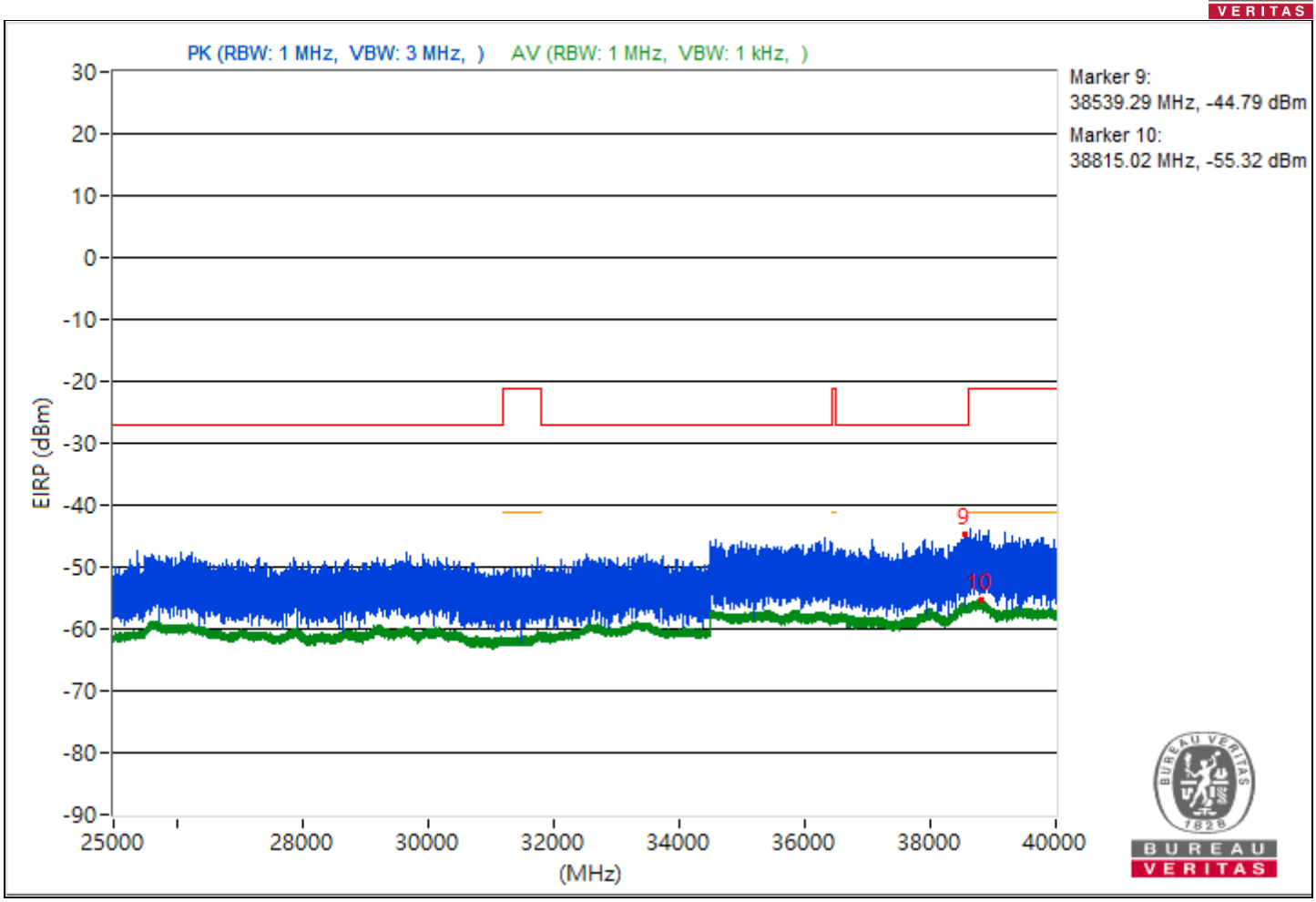
RF Mode	802.11be (EHT40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#3184.23	52.92 PK	68.26	-15.34	-47.26	4.92	-42.34
2	5090.41	43.31 AV	54	-10.69	-56.87	4.92	-51.95
3	#8870.4	54.03 PK	68.26	-14.23	-46.15	4.92	-41.23
4	8496.09	41.71 AV	54	-12.29	-58.47	4.92	-53.55
5	#13942.22	54.24 PK	68.26	-14.02	-45.94	4.92	-41.02
6	18980.2	43.65 AV	54	-10.35	-56.53	4.92	-51.61
7	#24867.9	57.1 PK	68.26	-11.16	-43.08	4.92	-38.16
8	23845.2	45.8 AV	54	-8.2	-54.38	4.92	-49.46
9	#38539.29	50.47 PK	68.26	-17.79	-49.71	4.92	-44.79
10	38815.02	39.94 AV	54	-14.06	-60.24	4.92	-55.32

Notes:

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



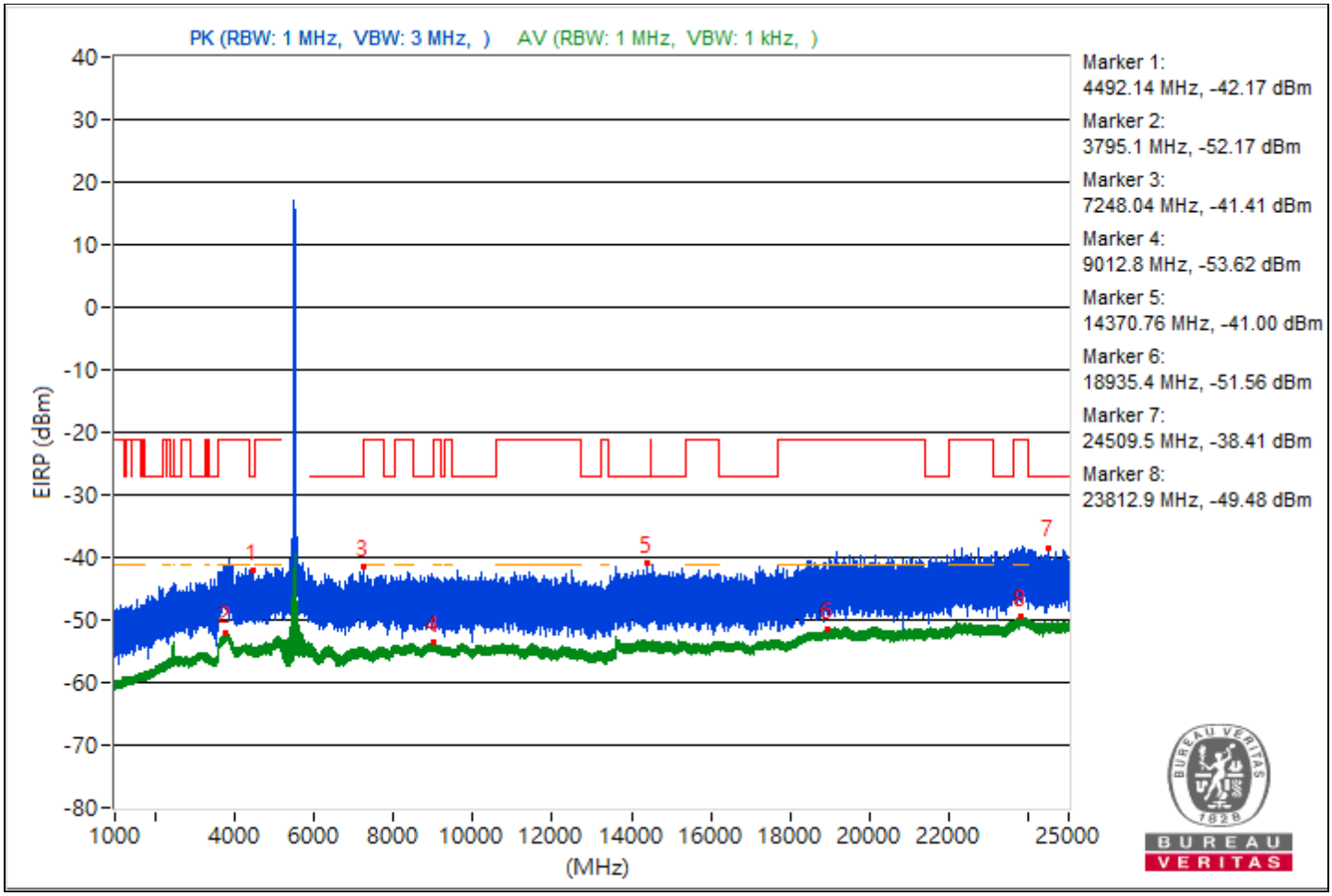

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38539.29 MHz, -44.79 dBm
Marker 10:
38815.02 MHz, -55.32 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

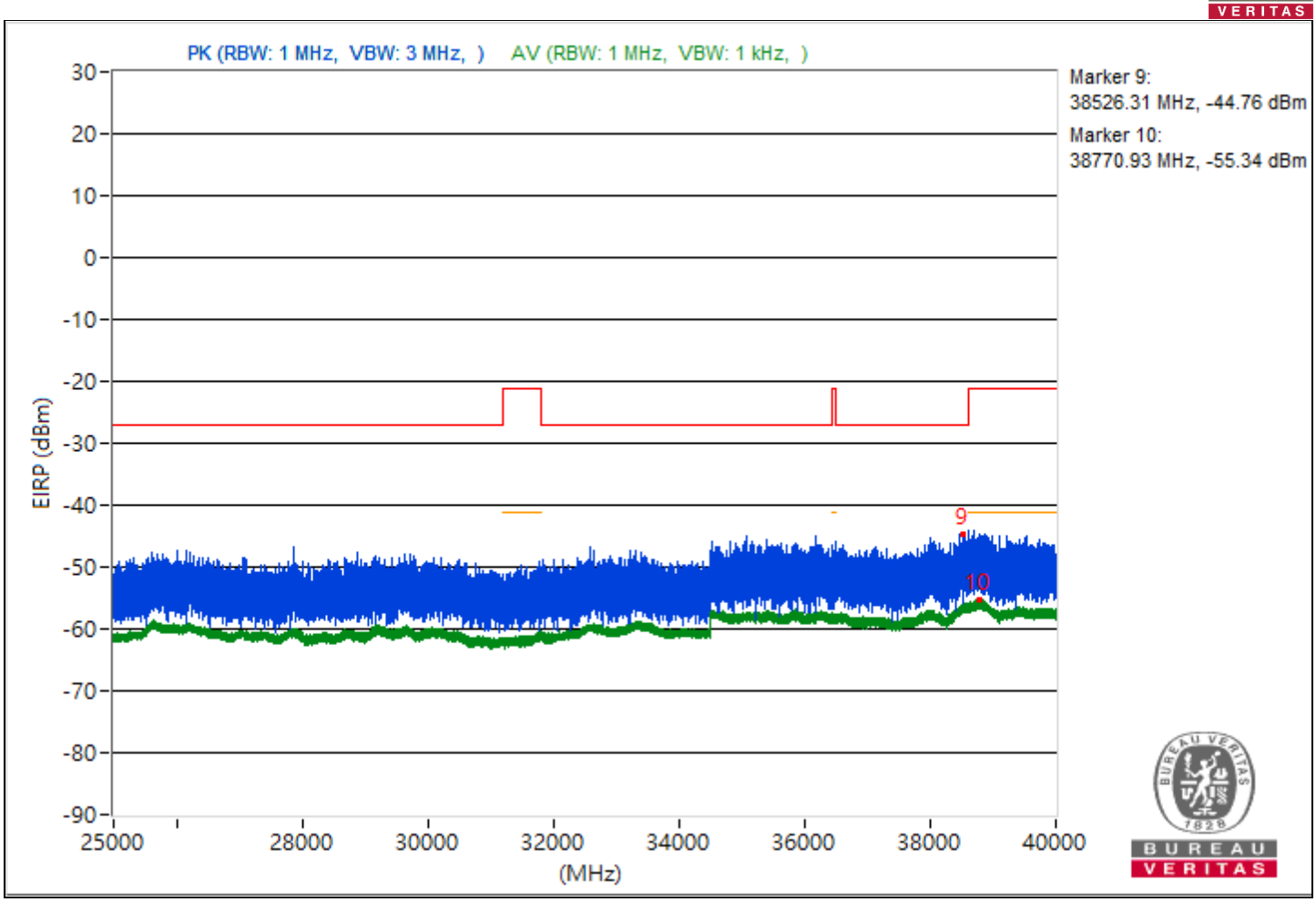
RF Mode	802.11be (EHT40)	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#4492.14	53.09 PK	68.26	-15.17	-47.09	4.92	-42.17
2	3795.1	43.09 AV	54	-10.91	-57.09	4.92	-52.17
3	#7248.04	53.85 PK	68.26	-14.41	-46.33	4.92	-41.41
4	9012.8	41.64 AV	54	-12.36	-58.54	4.92	-53.62
5	#14370.76	54.26 PK	68.26	-14	-45.92	4.92	-41
6	18935.4	43.7 AV	54	-10.3	-56.48	4.92	-51.56
7	#24509.5	56.85 PK	68.26	-11.41	-43.33	4.92	-38.41
8	23812.9	45.78 AV	54	-8.22	-54.4	4.92	-49.48
9	#38526.31	50.5 PK	68.26	-17.76	-49.68	4.92	-44.76
10	38770.93	39.92 AV	54	-14.08	-60.26	4.92	-55.34

Notes:

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



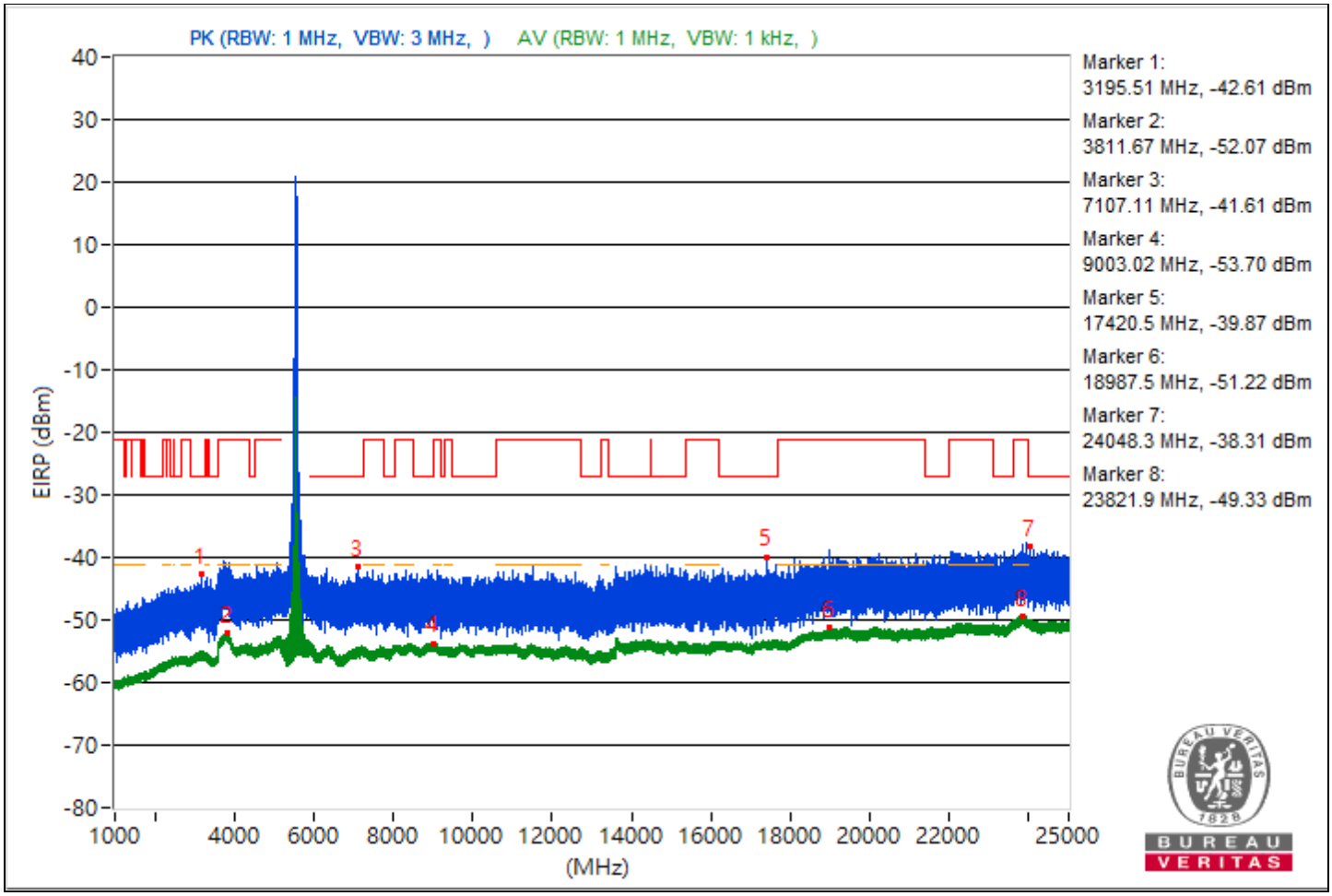

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38526.31 MHz, -44.76 dBm
Marker 10:
38770.93 MHz, -55.34 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

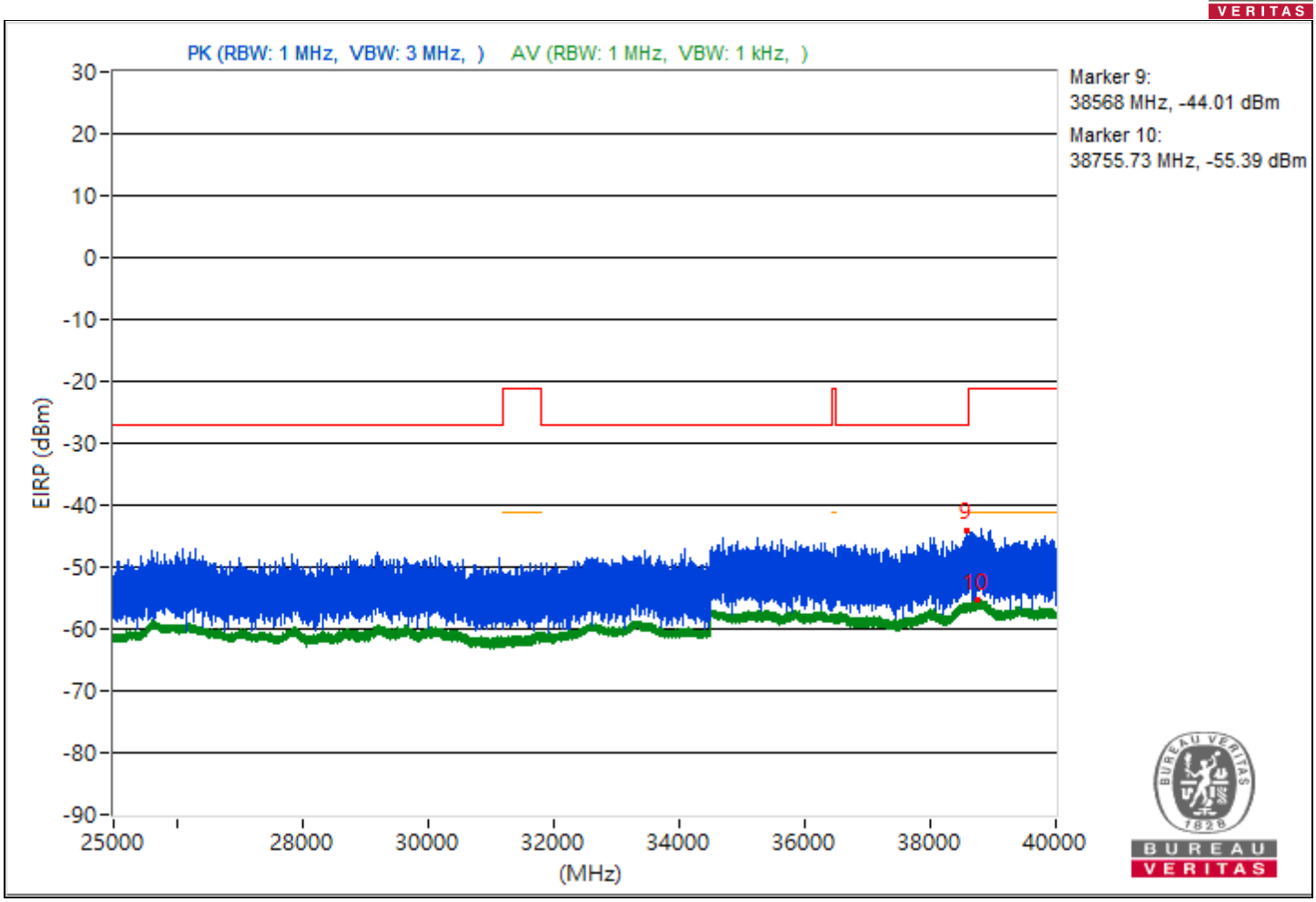
RF Mode	802.11be (EHT40)	Channel	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#3195.51	52.65 PK	68.26	-15.61	-47.53	4.92	-42.61
2	3811.67	43.19 AV	54	-10.81	-56.99	4.92	-52.07
3	#7107.11	53.65 PK	68.26	-14.61	-46.53	4.92	-41.61
4	9003.02	41.56 AV	54	-12.44	-58.62	4.92	-53.7
5	#17420.5	55.39 PK	68.26	-12.87	-44.79	4.92	-39.87
6	18987.5	44.04 AV	54	-9.96	-56.14	4.92	-51.22
7	#24048.3	56.95 PK	68.26	-11.31	-43.23	4.92	-38.31
8	23821.9	45.93 AV	54	-8.07	-54.25	4.92	-49.33
9	#38568	51.25 PK	68.26	-17.01	-48.93	4.92	-44.01
10	38755.73	39.87 AV	54	-14.13	-60.31	4.92	-55.39

Notes:

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



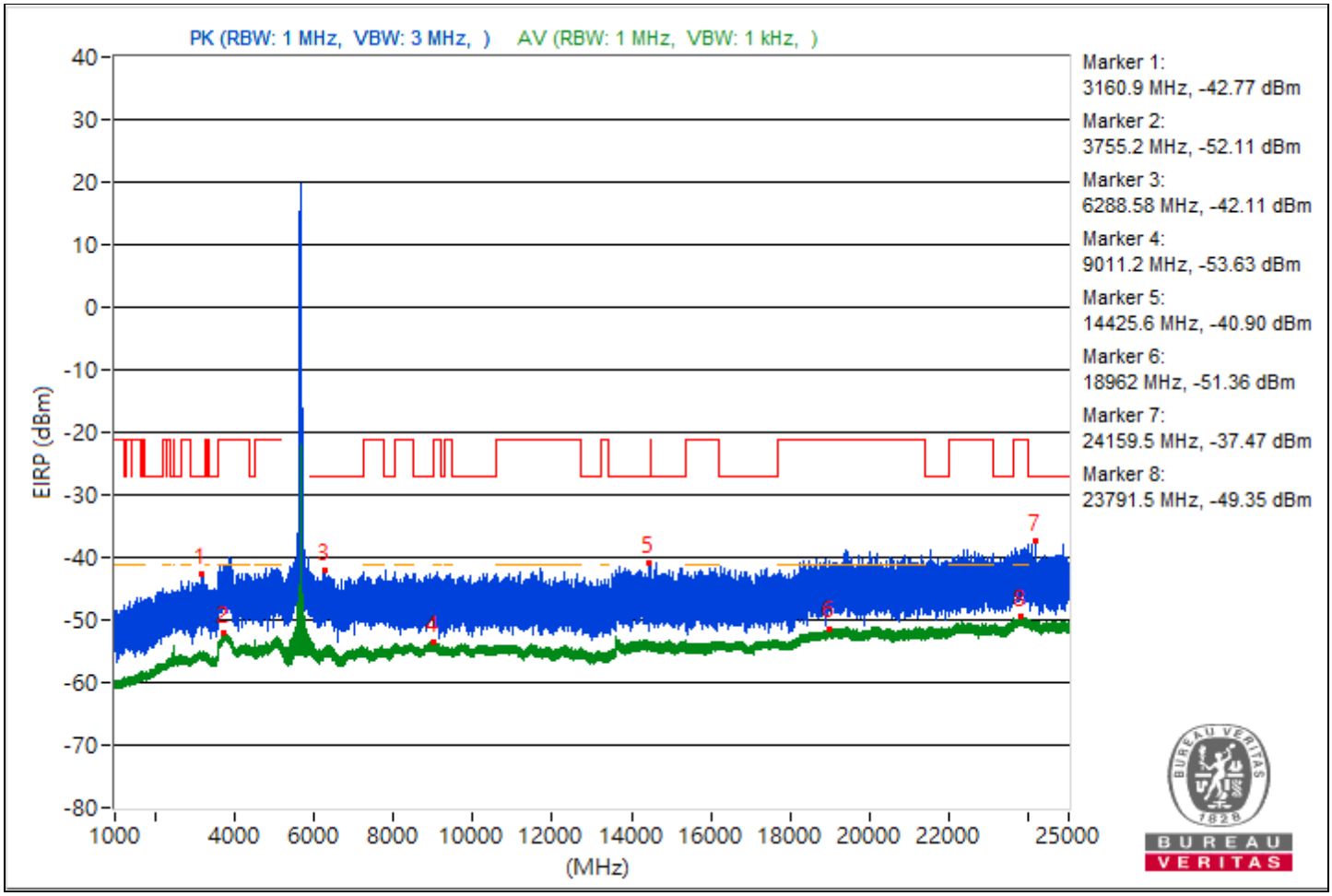

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38568 MHz, -44.01 dBm
Marker 10:
38755.73 MHz, -55.39 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

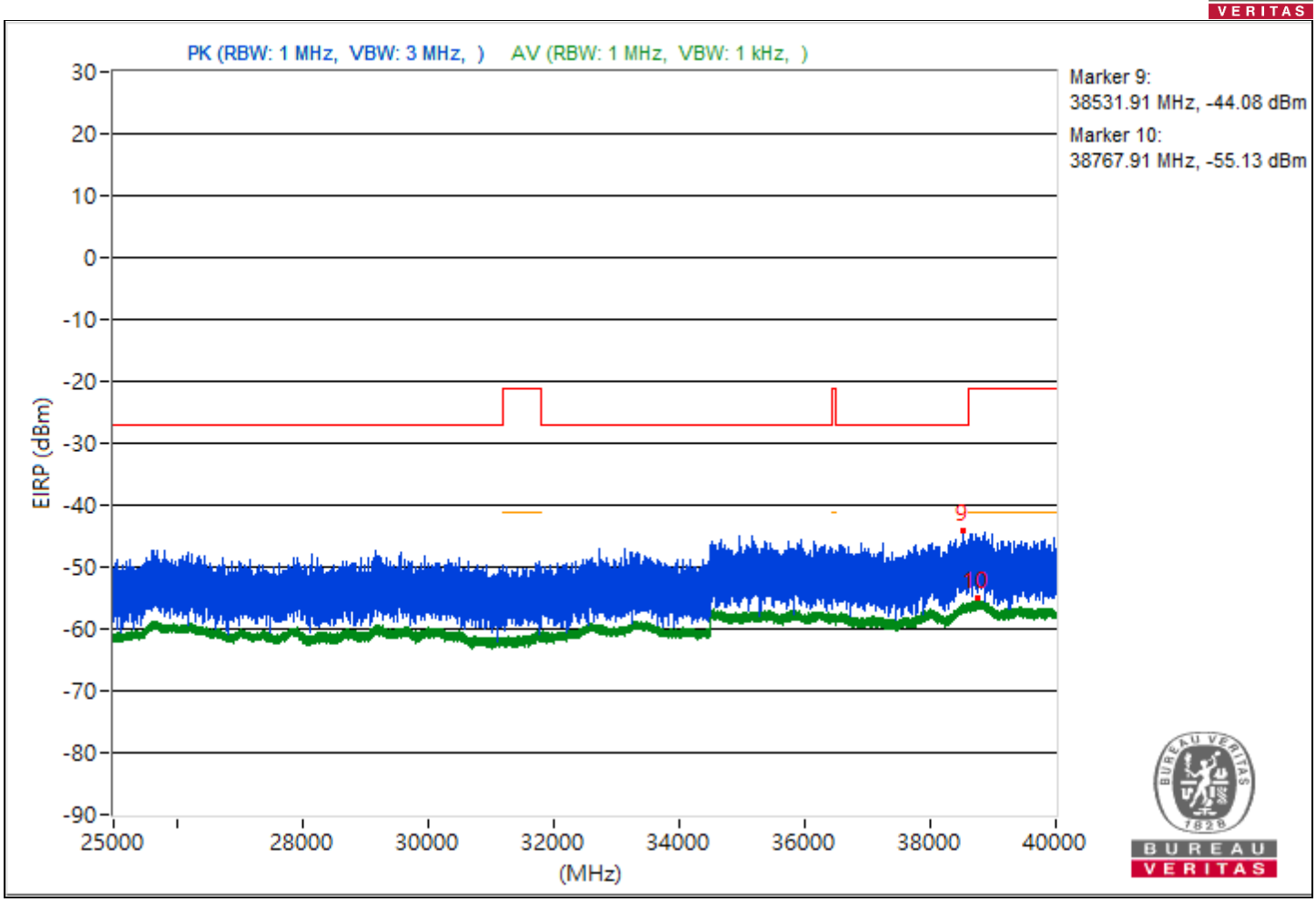
RF Mode	802.11be (EHT40)	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#3160.9	52.49 PK	68.26	-15.77	-47.69	4.92	-42.77
2	3755.2	43.15 AV	54	-10.85	-57.03	4.92	-52.11
3	#6288.58	53.15 PK	68.26	-15.11	-47.03	4.92	-42.11
4	9011.2	41.63 AV	54	-12.37	-58.55	4.92	-53.63
5	#14425.6	54.36 PK	68.26	-13.9	-45.82	4.92	-40.9
6	18962	43.9 AV	54	-10.1	-56.28	4.92	-51.36
7	#24159.5	57.79 PK	68.26	-10.47	-42.39	4.92	-37.47
8	23791.5	45.91 AV	54	-8.09	-54.27	4.92	-49.35
9	#38531.91	51.18 PK	68.26	-17.08	-49	4.92	-44.08
10	38767.91	40.13 AV	54	-13.87	-60.05	4.92	-55.13

Notes:

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



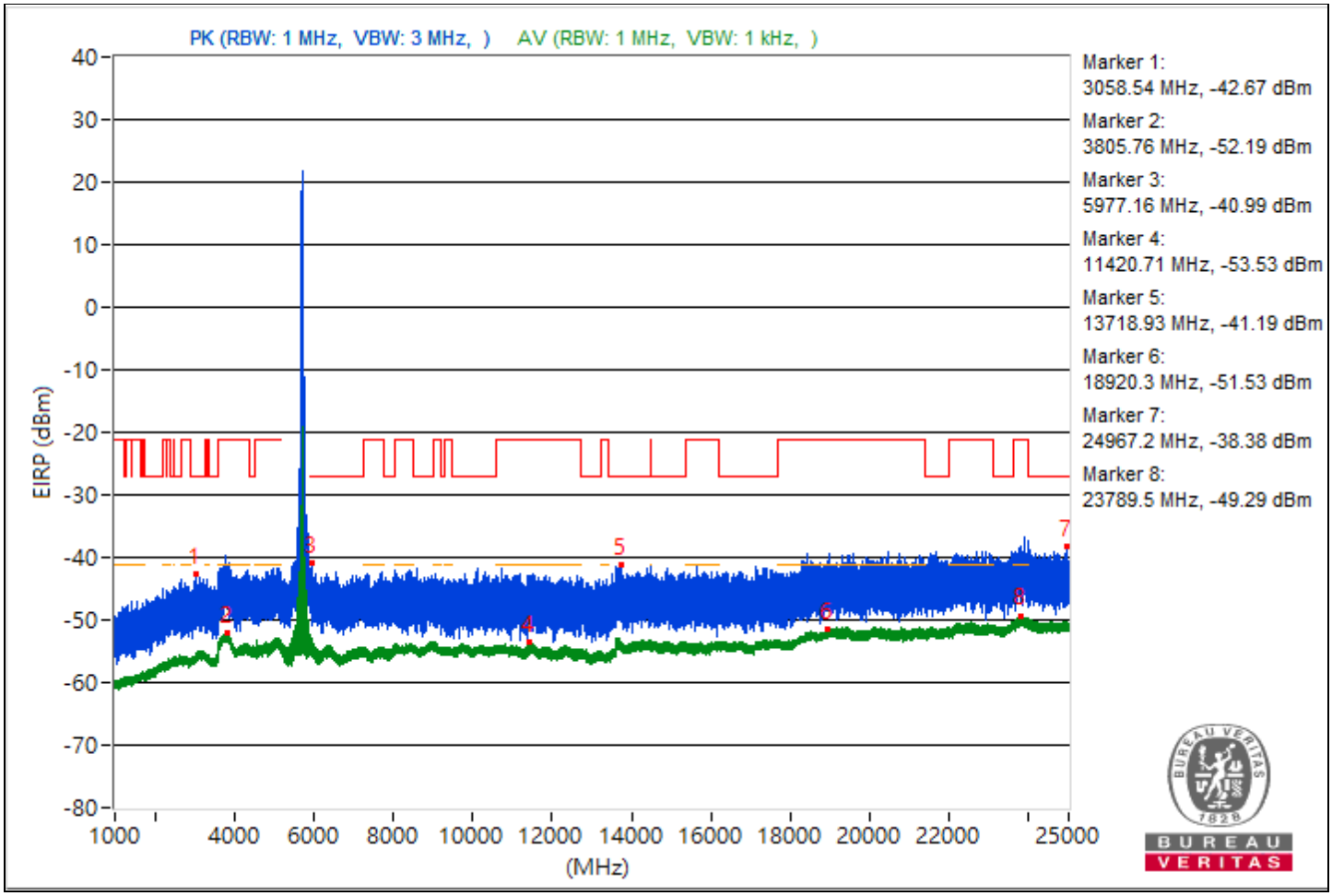

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38531.91 MHz, -44.08 dBm
Marker 10:
38767.91 MHz, -55.13 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

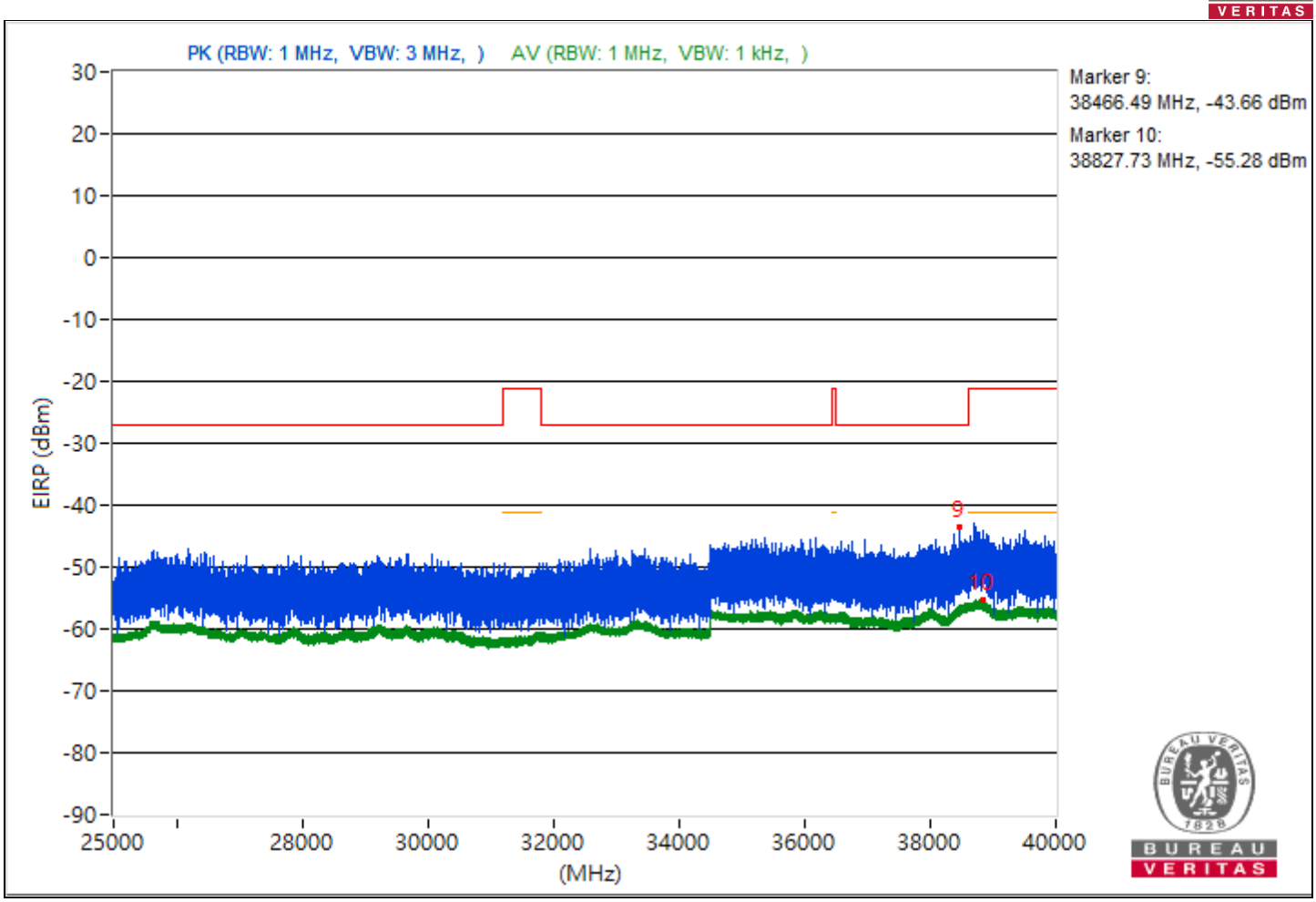
RF Mode	802.11be (EHT40)	Channel	CH 142：5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#3058.54	52.59 PK	68.26	-15.67	-47.59	4.92	-42.67
2	3805.76	43.07 AV	54	-10.93	-57.11	4.92	-52.19
3	#5977.16	54.27 PK	68.26	-13.99	-45.91	4.92	-40.99
4	11420.71	41.73 AV	54	-12.27	-58.45	4.92	-53.53
5	#13718.93	54.07 PK	68.26	-14.19	-46.11	4.92	-41.19
6	18920.3	43.73 AV	54	-10.27	-56.45	4.92	-51.53
7	#24967.2	56.88 PK	68.26	-11.38	-43.3	4.92	-38.38
8	23789.5	45.97 AV	54	-8.03	-54.21	4.92	-49.29
9	#38466.49	51.6 PK	68.26	-16.66	-48.58	4.92	-43.66
10	38827.73	39.98 AV	54	-14.02	-60.2	4.92	-55.28

Notes:

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



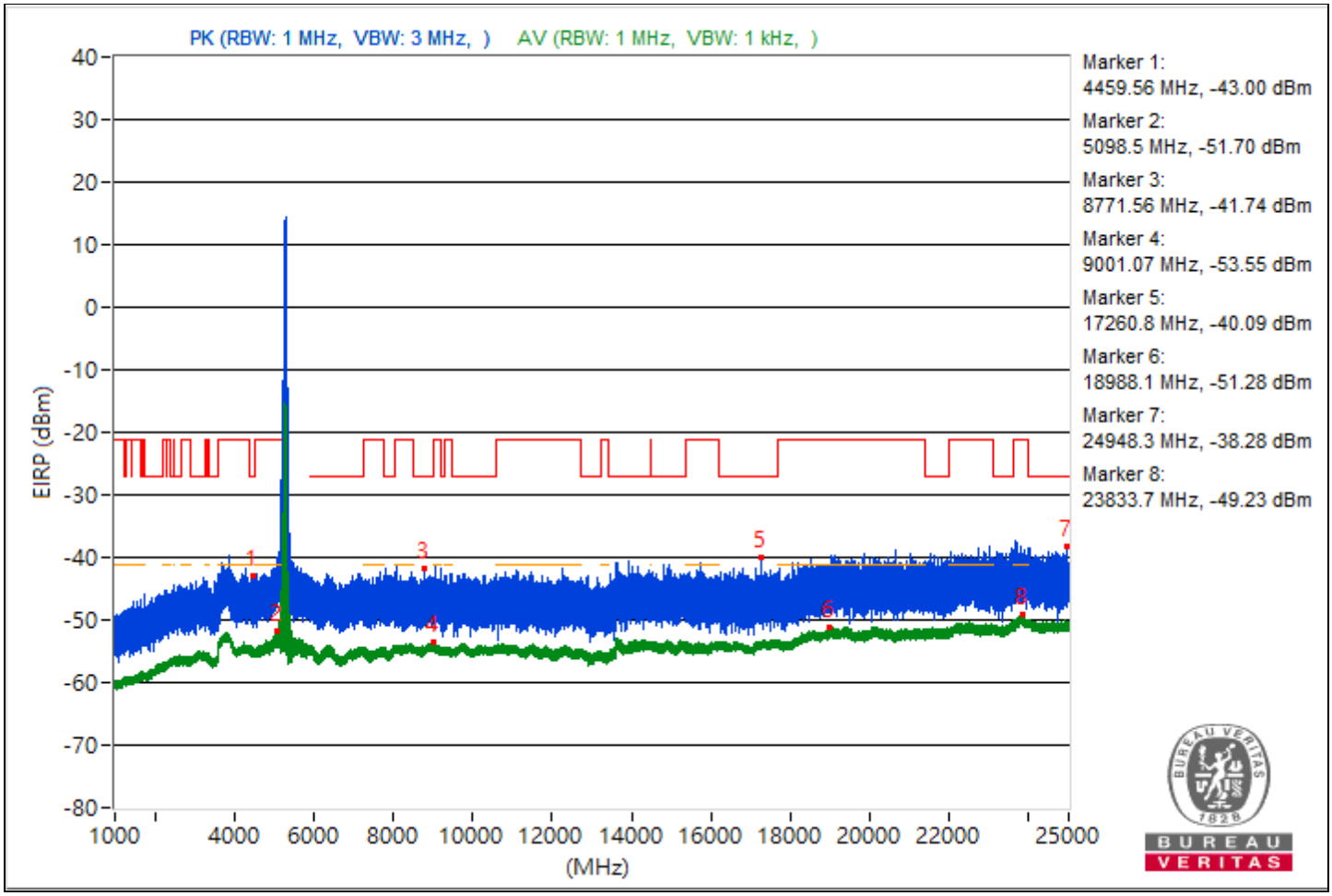

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38466.49 MHz, -43.66 dBm
Marker 10:
38827.73 MHz, -55.28 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

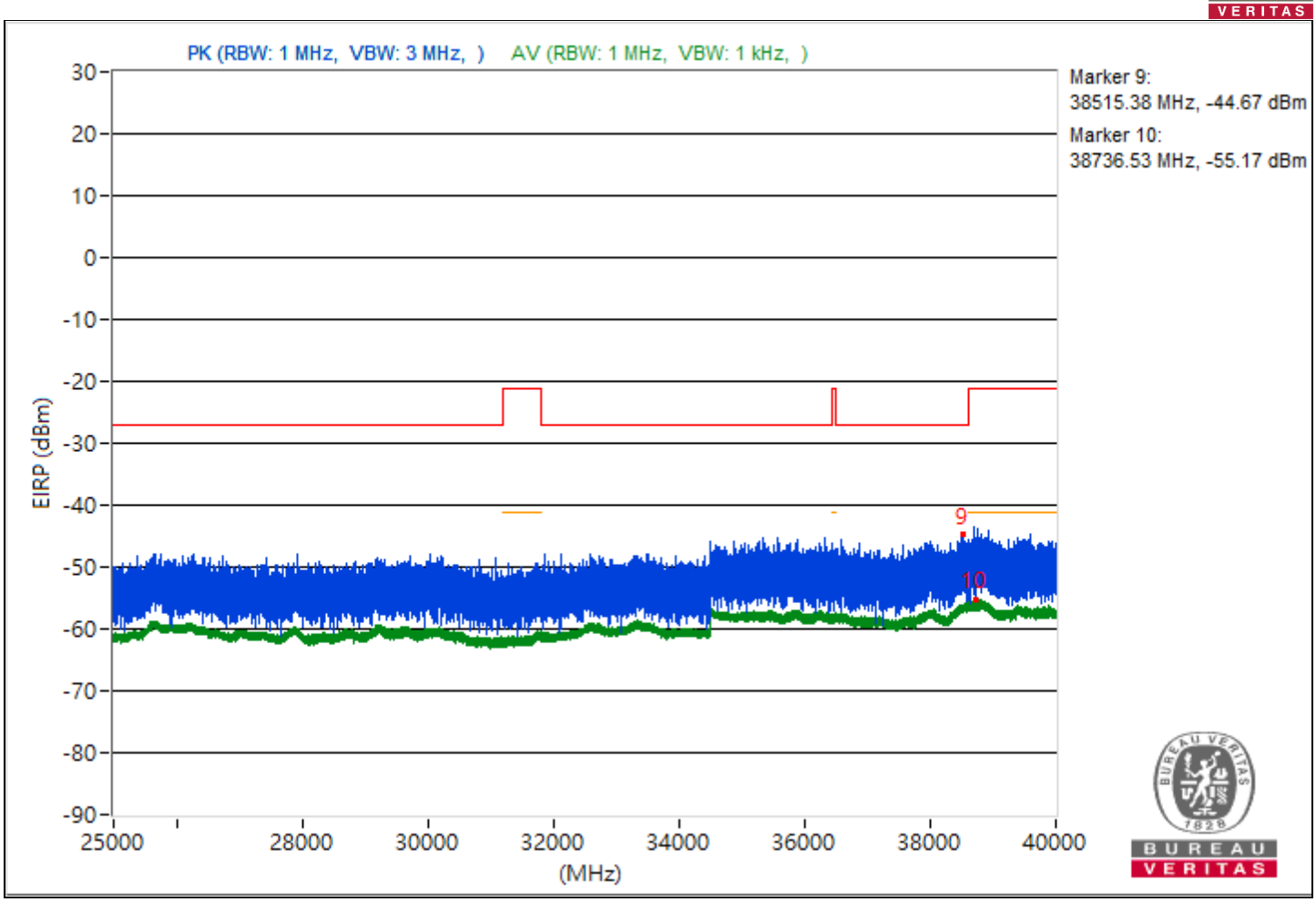
RF Mode	802.11be (EHT80)	Channel	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#4459.56	52.26 PK	68.26	-16	-47.92	4.92	-43
2	5098.5	43.56 AV	54	-10.44	-56.62	4.92	-51.7
3	#8771.56	53.52 PK	68.26	-14.74	-46.66	4.92	-41.74
4	9001.07	41.71 AV	54	-12.29	-58.47	4.92	-53.55
5	#17260.8	55.17 PK	68.26	-13.09	-45.01	4.92	-40.09
6	18988.1	43.98 AV	54	-10.02	-56.2	4.92	-51.28
7	#24948.3	56.98 PK	68.26	-11.28	-43.2	4.92	-38.28
8	23833.7	46.03 AV	54	-7.97	-54.15	4.92	-49.23
9	#38515.38	50.59 PK	68.26	-17.67	-49.59	4.92	-44.67
10	38736.53	40.09 AV	54	-13.91	-60.09	4.92	-55.17

Notes:

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



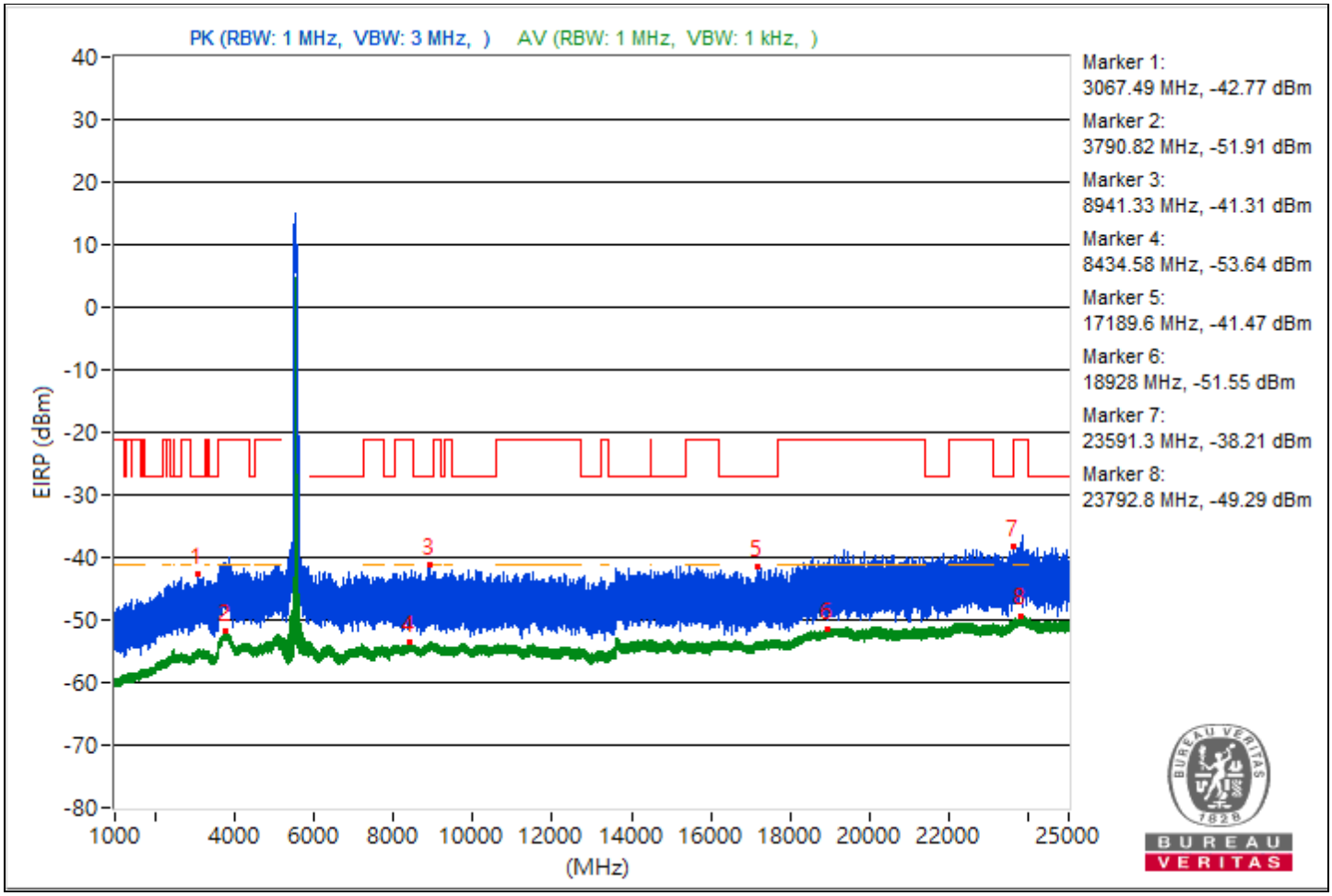

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38515.38 MHz, -44.67 dBm
Marker 10:
38736.53 MHz, -55.17 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

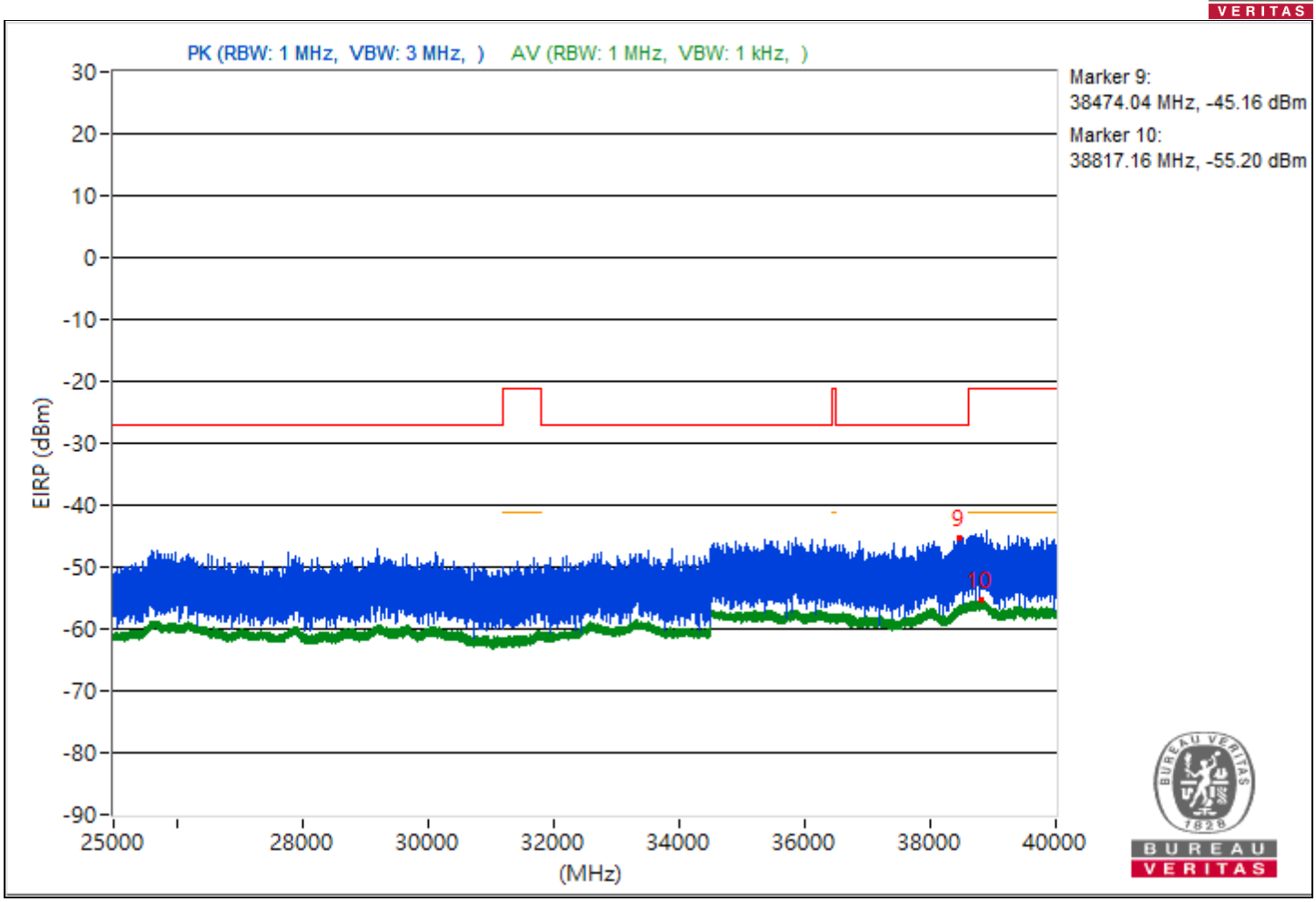
RF Mode	802.11be (EHT80)	Channel	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#3067.49	52.49 PK	68.26	-15.77	-47.69	4.92	-42.77
2	3790.82	43.35 AV	54	-10.65	-56.83	4.92	-51.91
3	#8941.33	53.95 PK	68.26	-14.31	-46.23	4.92	-41.31
4	8434.58	41.62 AV	54	-12.38	-58.56	4.92	-53.64
5	#17189.6	53.79 PK	68.26	-14.47	-46.39	4.92	-41.47
6	18928	43.71 AV	54	-10.29	-56.47	4.92	-51.55
7	#23591.3	57.05 PK	68.26	-11.21	-43.13	4.92	-38.21
8	23792.8	45.97 AV	54	-8.03	-54.21	4.92	-49.29
9	#38474.04	50.1 PK	68.26	-18.16	-50.08	4.92	-45.16
10	38817.16	40.06 AV	54	-13.94	-60.12	4.92	-55.2

Notes:

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



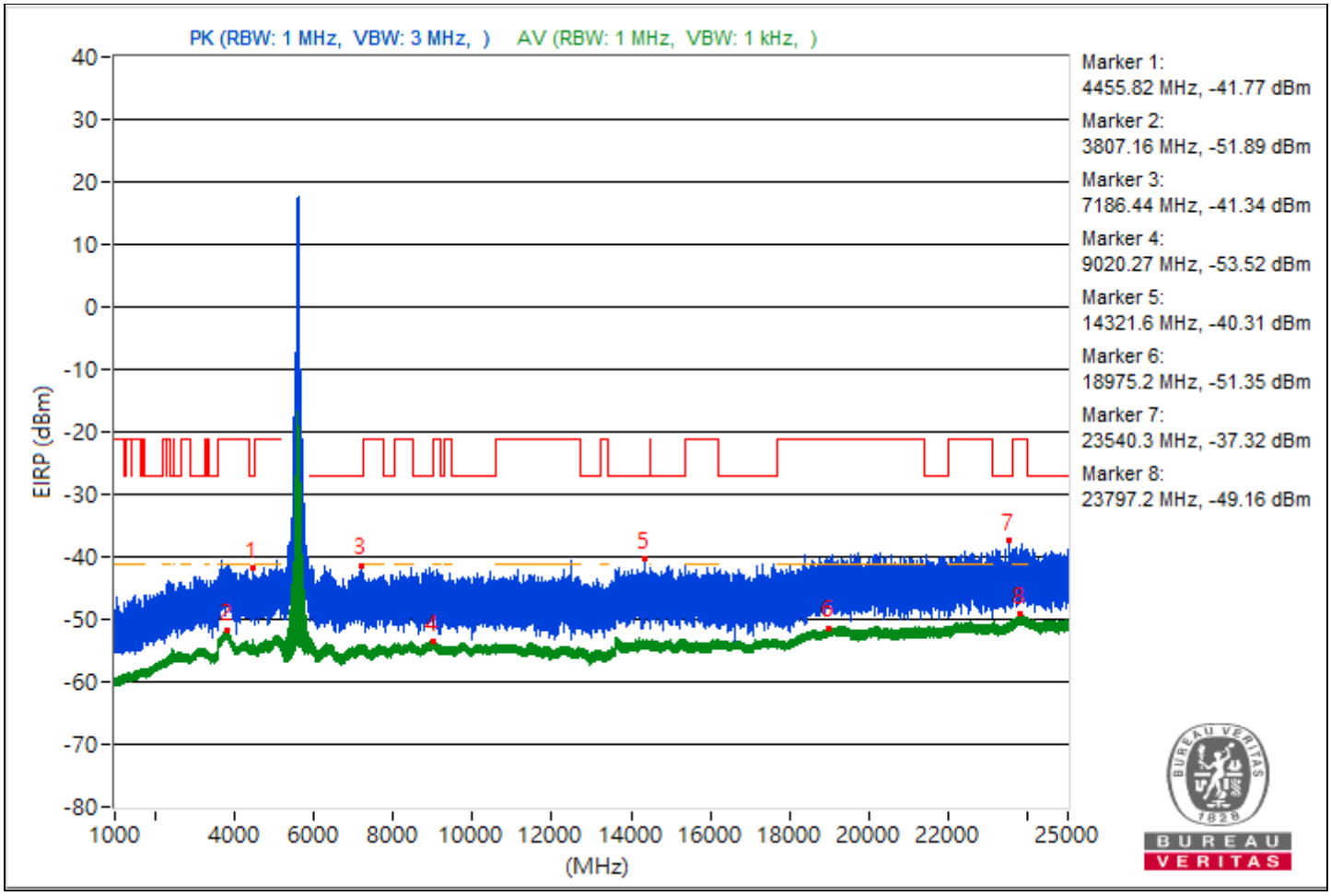

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38474.04 MHz, -45.16 dBm
Marker 10:
38817.16 MHz, -55.20 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

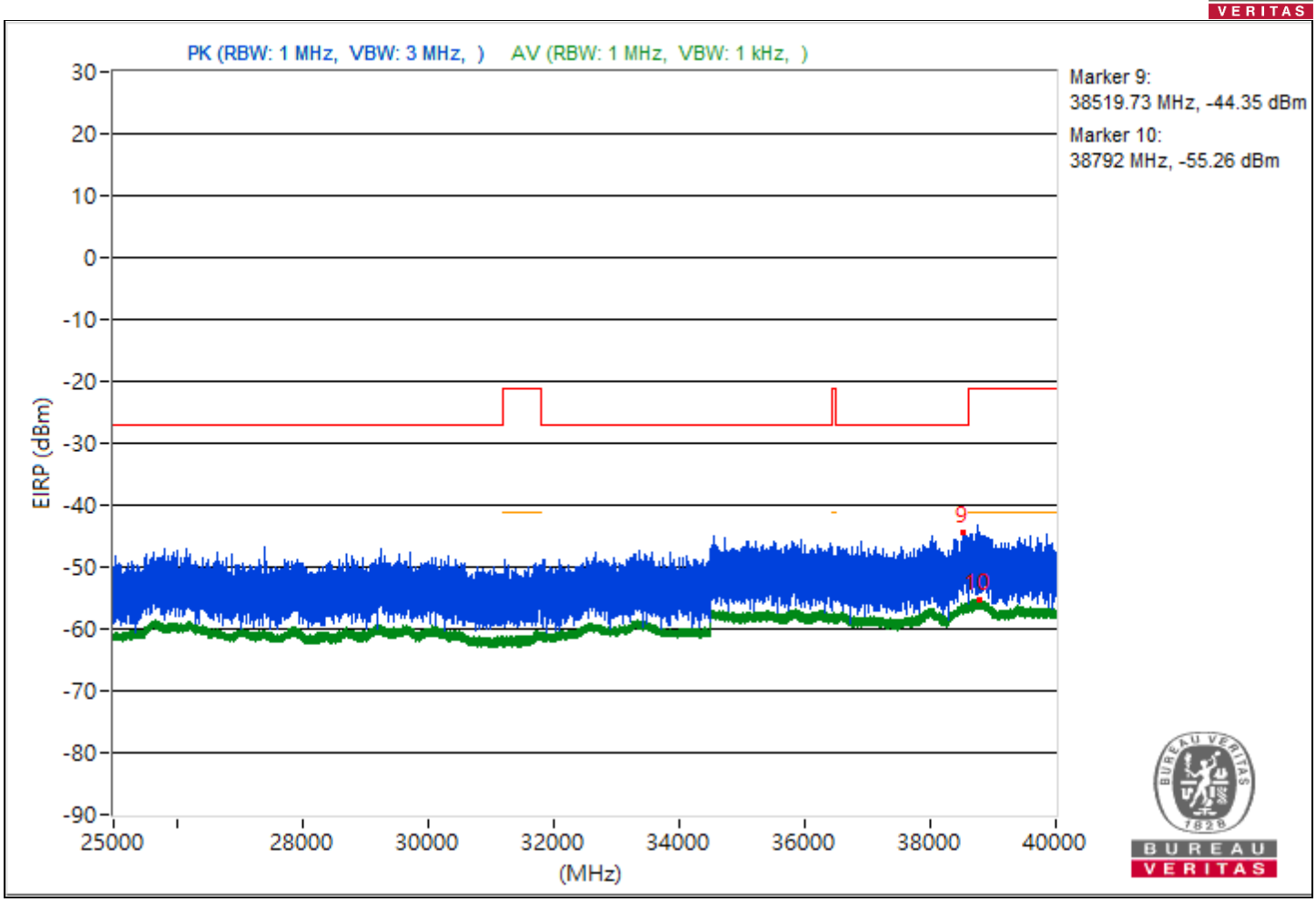
RF Mode	802.11be (EHT80)	Channel	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#4455.82	53.49 PK	68.26	-14.77	-46.69	4.92	-41.77
2	3807.16	43.37 AV	54	-10.63	-56.81	4.92	-51.89
3	#7186.44	53.92 PK	68.26	-14.34	-46.26	4.92	-41.34
4	9020.27	41.74 AV	54	-12.26	-58.44	4.92	-53.52
5	#14321.6	54.95 PK	68.26	-13.31	-45.23	4.92	-40.31
6	18975.2	43.91 AV	54	-10.09	-56.27	4.92	-51.35
7	#23540.3	57.94 PK	68.26	-10.32	-42.24	4.92	-37.32
8	23797.2	46.1 AV	54	-7.9	-54.08	4.92	-49.16
9	#38519.73	50.91 PK	68.26	-17.35	-49.27	4.92	-44.35
10	38792	40 AV	54	-14	-60.18	4.92	-55.26

Notes:

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



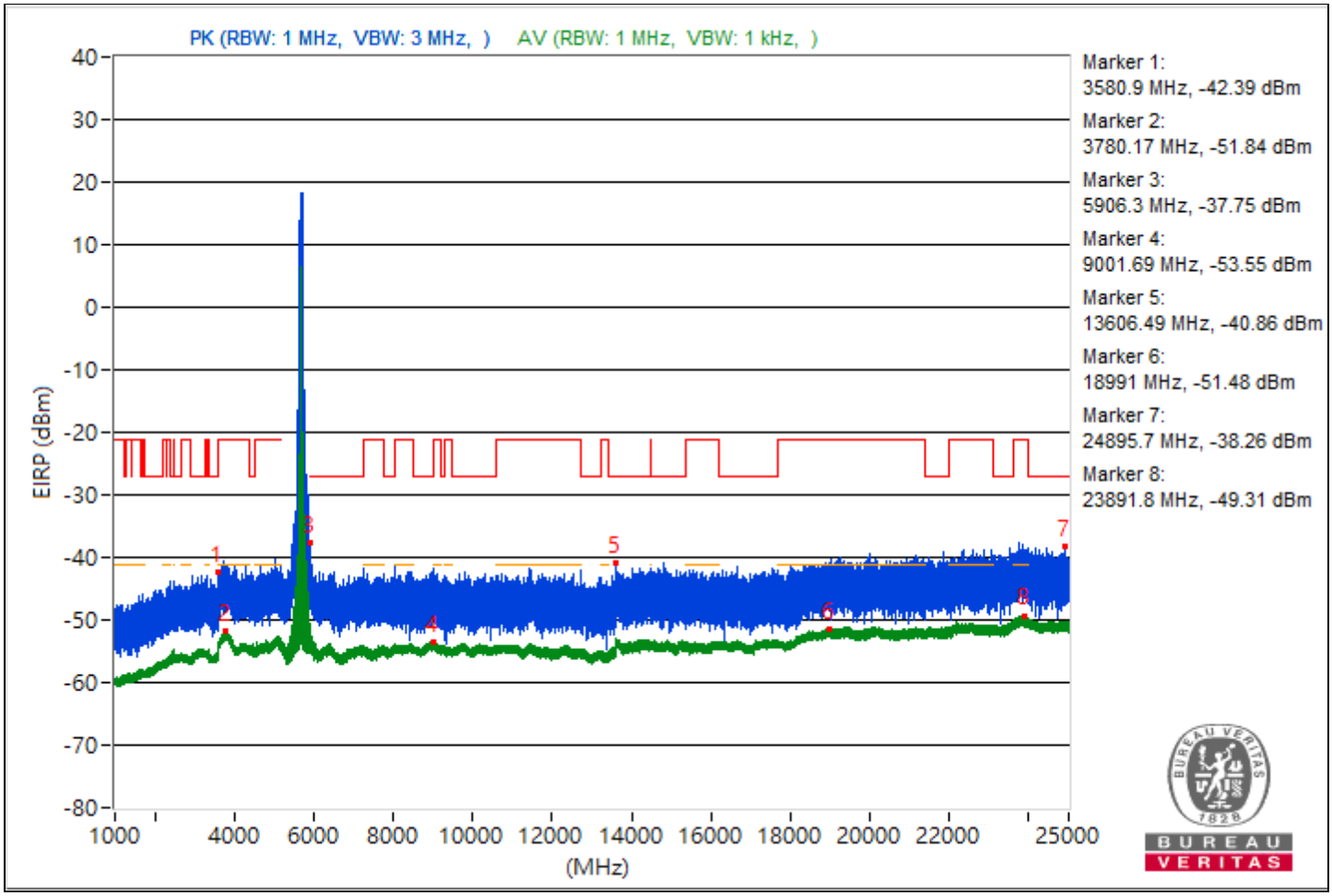

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38519.73 MHz, -44.35 dBm
Marker 10:
38792 MHz, -55.26 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

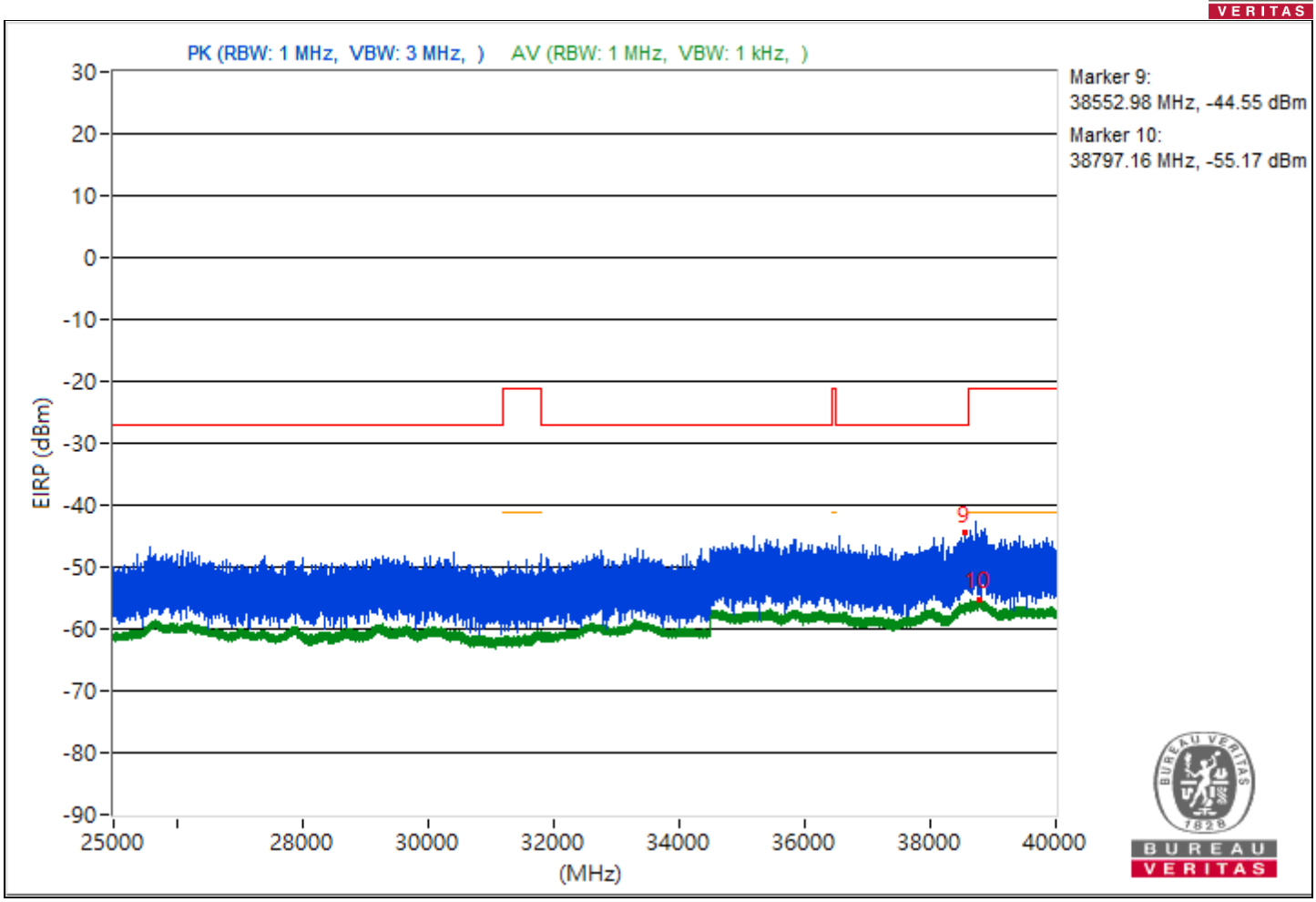
RF Mode	802.11be (EHT80)	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#3580.9	52.87 PK	68.26	-15.39	-47.31	4.92	-42.39
2	3780.17	43.42 AV	54	-10.58	-56.76	4.92	-51.84
3	#5906.3	57.51 PK	68.26	-10.75	-42.67	4.92	-37.75
4	9001.69	41.71 AV	54	-12.29	-58.47	4.92	-53.55
5	#13606.49	54.4 PK	68.26	-13.86	-45.78	4.92	-40.86
6	18991	43.78 AV	54	-10.22	-56.4	4.92	-51.48
7	#24895.7	57 PK	68.26	-11.26	-43.18	4.92	-38.26
8	23891.8	45.95 AV	54	-8.05	-54.23	4.92	-49.31
9	#38552.98	50.71 PK	68.26	-17.55	-49.47	4.92	-44.55
10	38797.16	40.09 AV	54	-13.91	-60.09	4.92	-55.17

Notes:

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



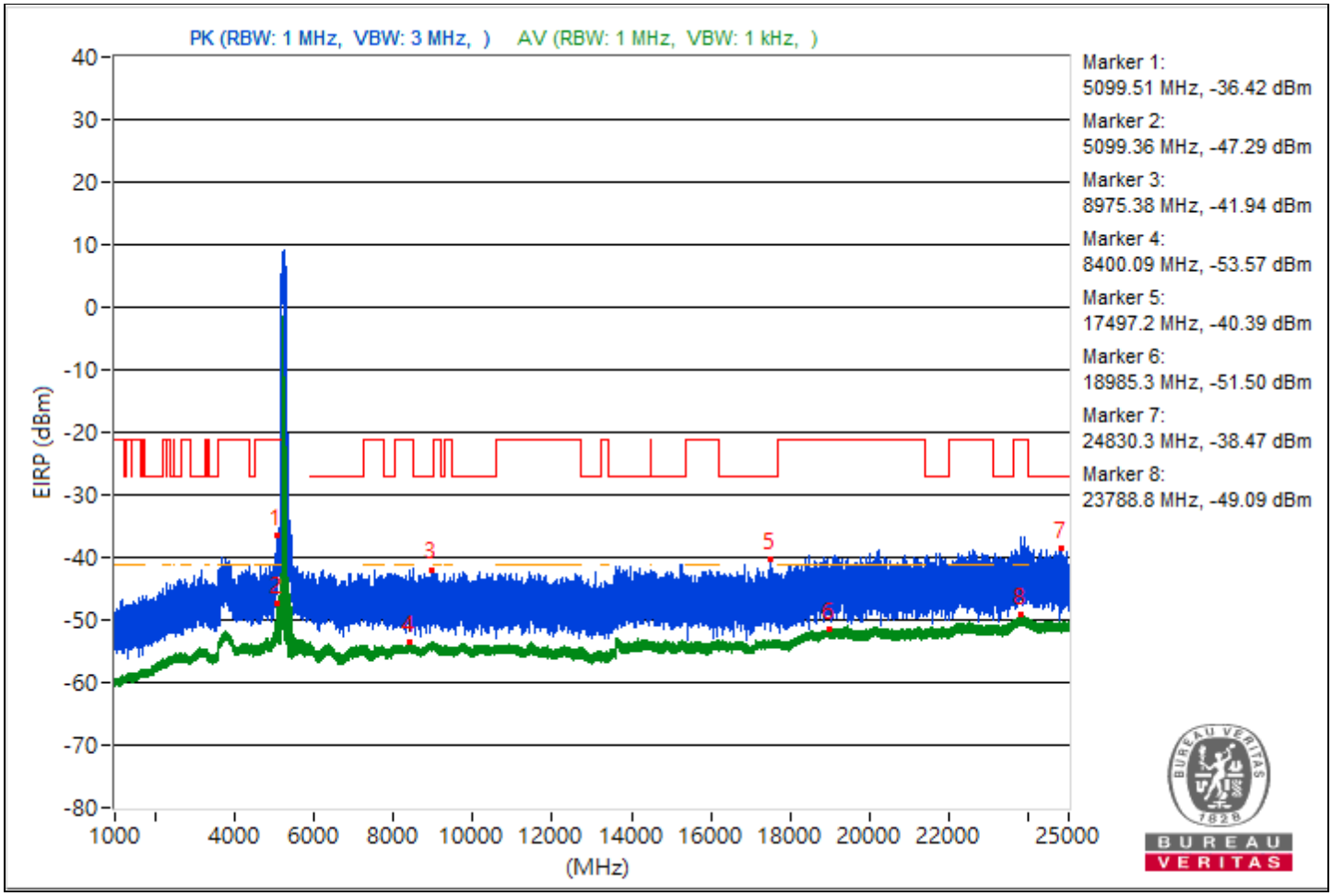

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38552.98 MHz, -44.55 dBm
Marker 10:
38797.16 MHz, -55.17 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

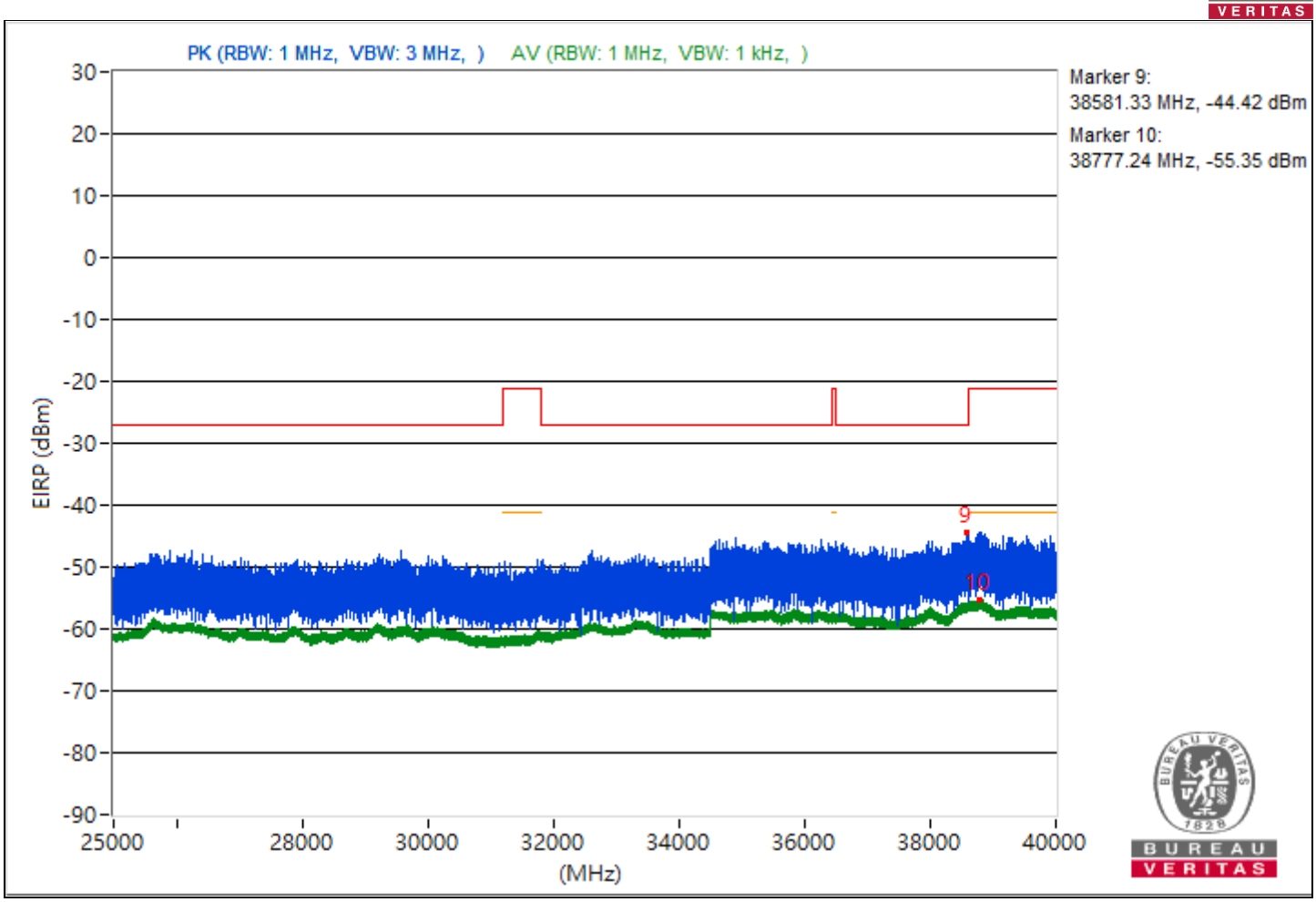
RF Mode	802.11be (EHT160)	Channel	CH 50：5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	5099.51	58.84 PK	74	-15.16	-41.34	4.92	-36.42
2	5099.36	47.97 AV	54	-6.03	-52.21	4.92	-47.29
3	#8975.38	53.32 PK	68.26	-14.94	-46.86	4.92	-41.94
4	8400.09	41.69 AV	54	-12.31	-58.49	4.92	-53.57
5	#17497.2	54.87 PK	68.26	-13.39	-45.31	4.92	-40.39
6	18985.3	43.76 AV	54	-10.24	-56.42	4.92	-51.5
7	#24830.3	56.79 PK	68.26	-11.47	-43.39	4.92	-38.47
8	23788.8	46.17 AV	54	-7.83	-54.01	4.92	-49.09
9	#38581.33	50.84 PK	68.26	-17.42	-49.34	4.92	-44.42
10	38777.24	39.91 AV	54	-14.09	-60.27	4.92	-55.35

Notes:

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



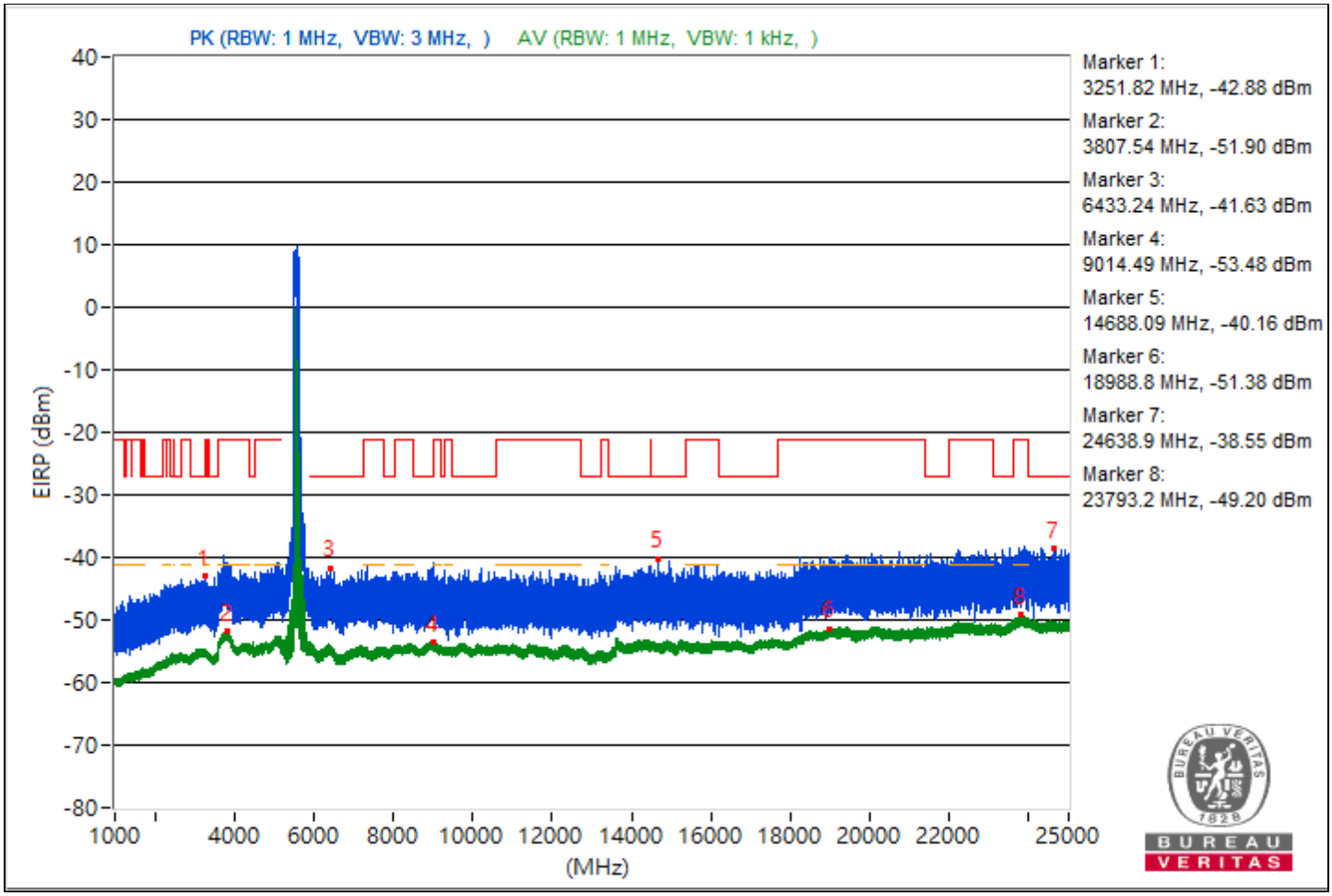

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38581.33 MHz, -44.42 dBm
Marker 10:
38777.24 MHz, -55.35 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

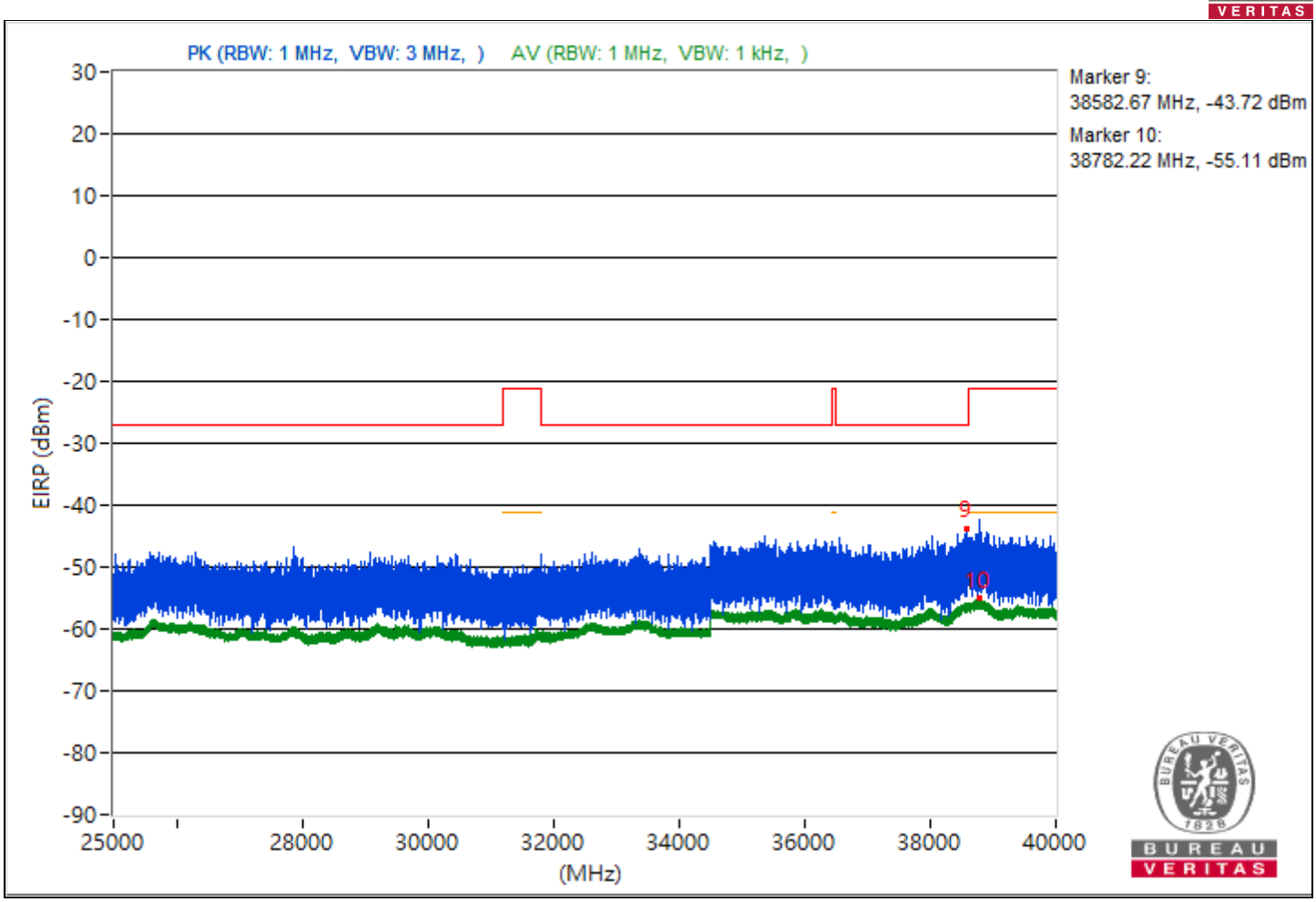
RF Mode	802.11be (EHT160)	Channel	CH 114：5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Willy Lin		

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	#3251.82	52.38 PK	68.26	-15.88	-47.8	4.92	-42.88
2	3807.54	43.36 AV	54	-10.64	-56.82	4.92	-51.9
3	#6433.24	53.63 PK	68.26	-14.63	-46.55	4.92	-41.63
4	9014.49	41.78 AV	54	-12.22	-58.4	4.92	-53.48
5	#14688.09	55.1 PK	68.26	-13.16	-45.08	4.92	-40.16
6	18988.8	43.88 AV	54	-10.12	-56.3	4.92	-51.38
7	#24638.9	56.71 PK	68.26	-11.55	-43.47	4.92	-38.55
8	23793.2	46.06 AV	54	-7.94	-54.12	4.92	-49.2
9	#38582.67	51.54 PK	68.26	-16.72	-48.64	4.92	-43.72
10	38782.22	40.15 AV	54	-13.85	-60.03	4.92	-55.11

Notes:

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



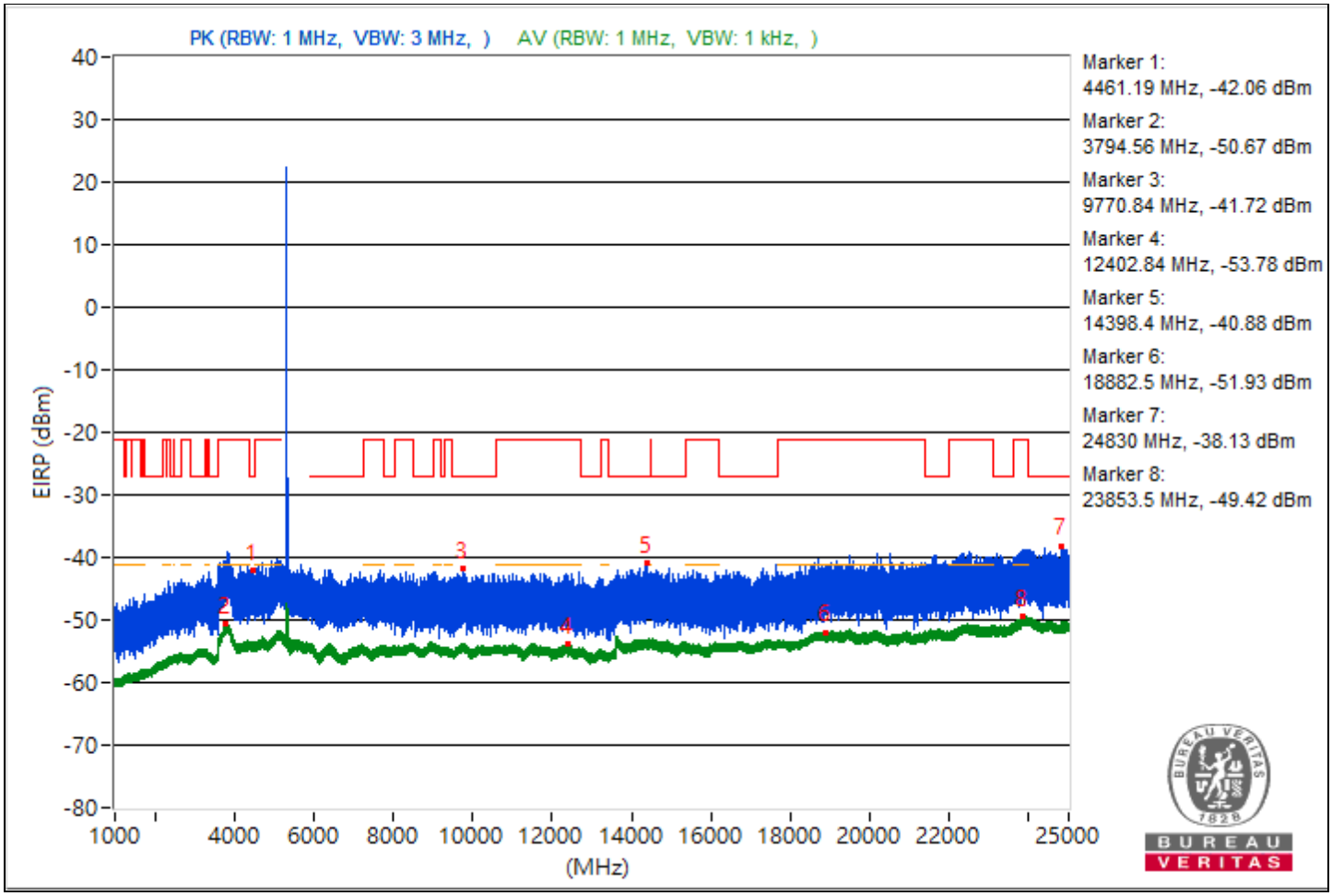

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38582.67 MHz, -43.72 dBm
Marker 10:
38782.22 MHz, -55.11 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

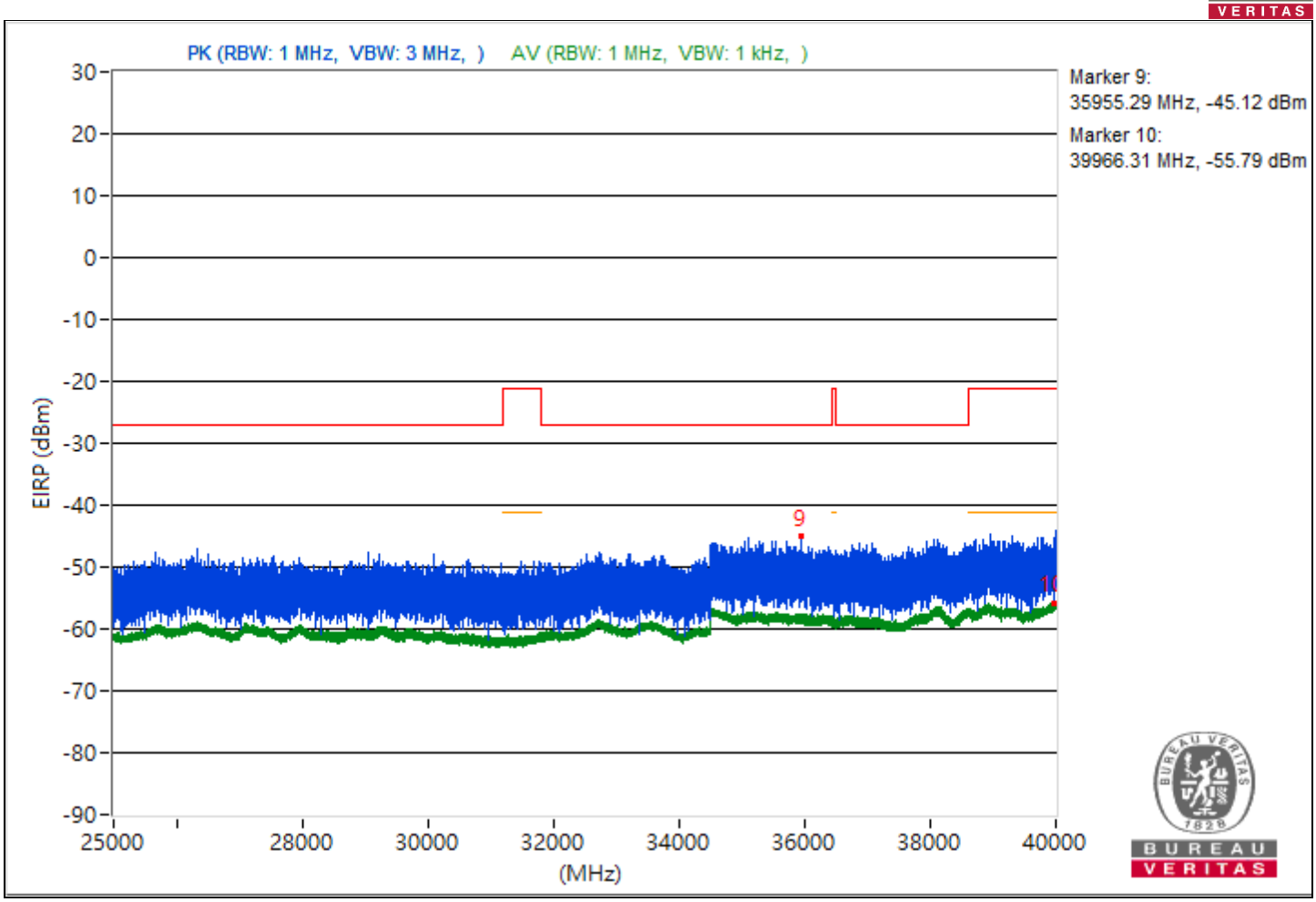
RF Mode	802.11be (EHT20) 26-tone RU	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	#4461.19	53.2 PK	68.26	-15.06	-46.98	4.92	-42.06
2	3794.56	44.59 AV	54	-9.41	-55.59	4.92	-50.67
3	#9770.84	53.54 PK	68.26	-14.72	-46.64	4.92	-41.72
4	12402.84	41.48 AV	54	-12.52	-58.7	4.92	-53.78
5	#14398.4	54.38 PK	68.26	-13.88	-45.8	4.92	-40.88
6	18882.5	43.33 AV	54	-10.67	-56.85	4.92	-51.93
7	#24830	57.13 PK	68.26	-11.13	-43.05	4.92	-38.13
8	23853.5	45.84 AV	54	-8.16	-54.34	4.92	-49.42
9	#35955.29	50.14 PK	68.26	-18.12	-50.04	4.92	-45.12
10	39966.31	39.47 AV	54	-14.53	-60.71	4.92	-55.79

Notes:

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



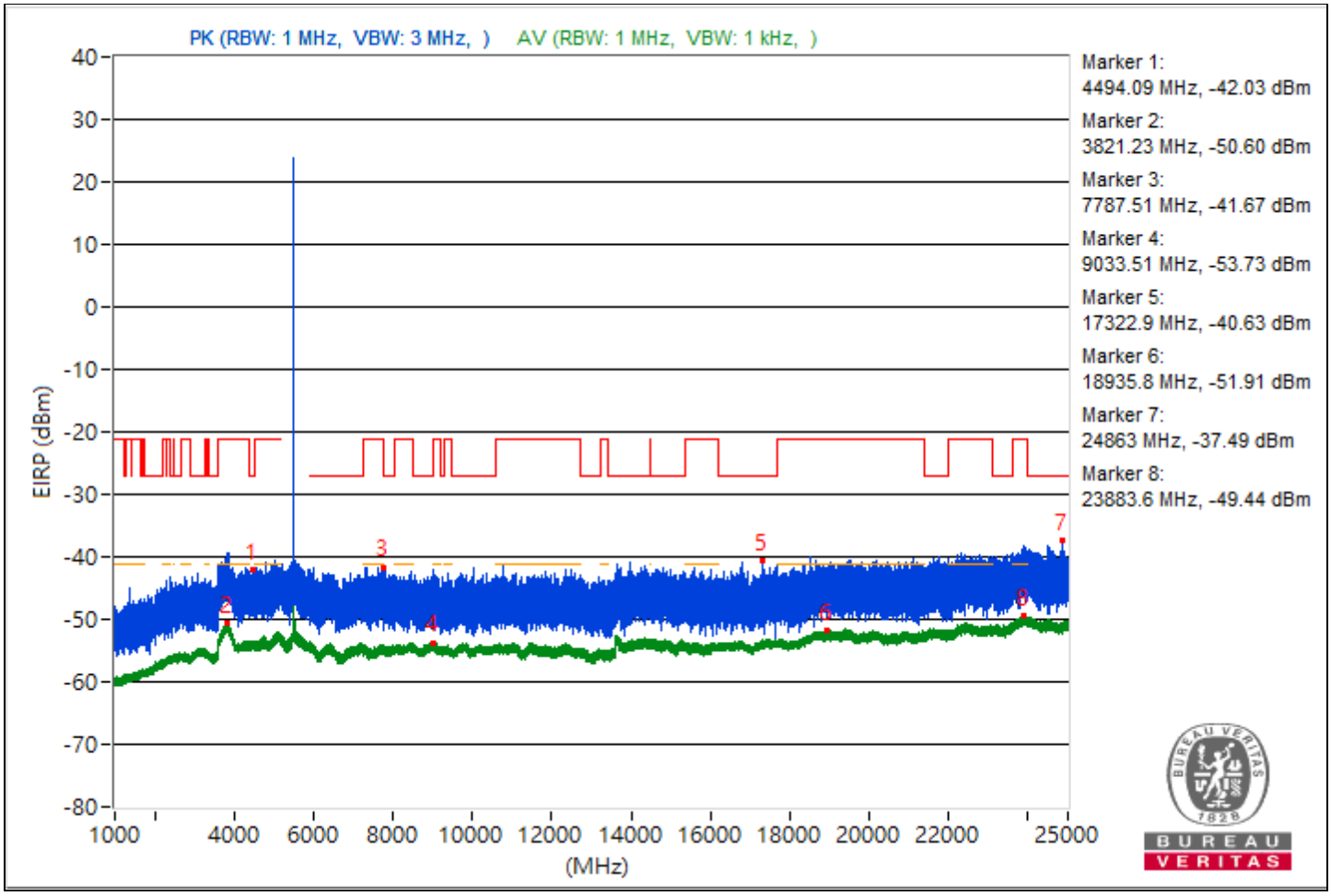

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
35955.29 MHz, -45.12 dBm
Marker 10:
39966.31 MHz, -55.79 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

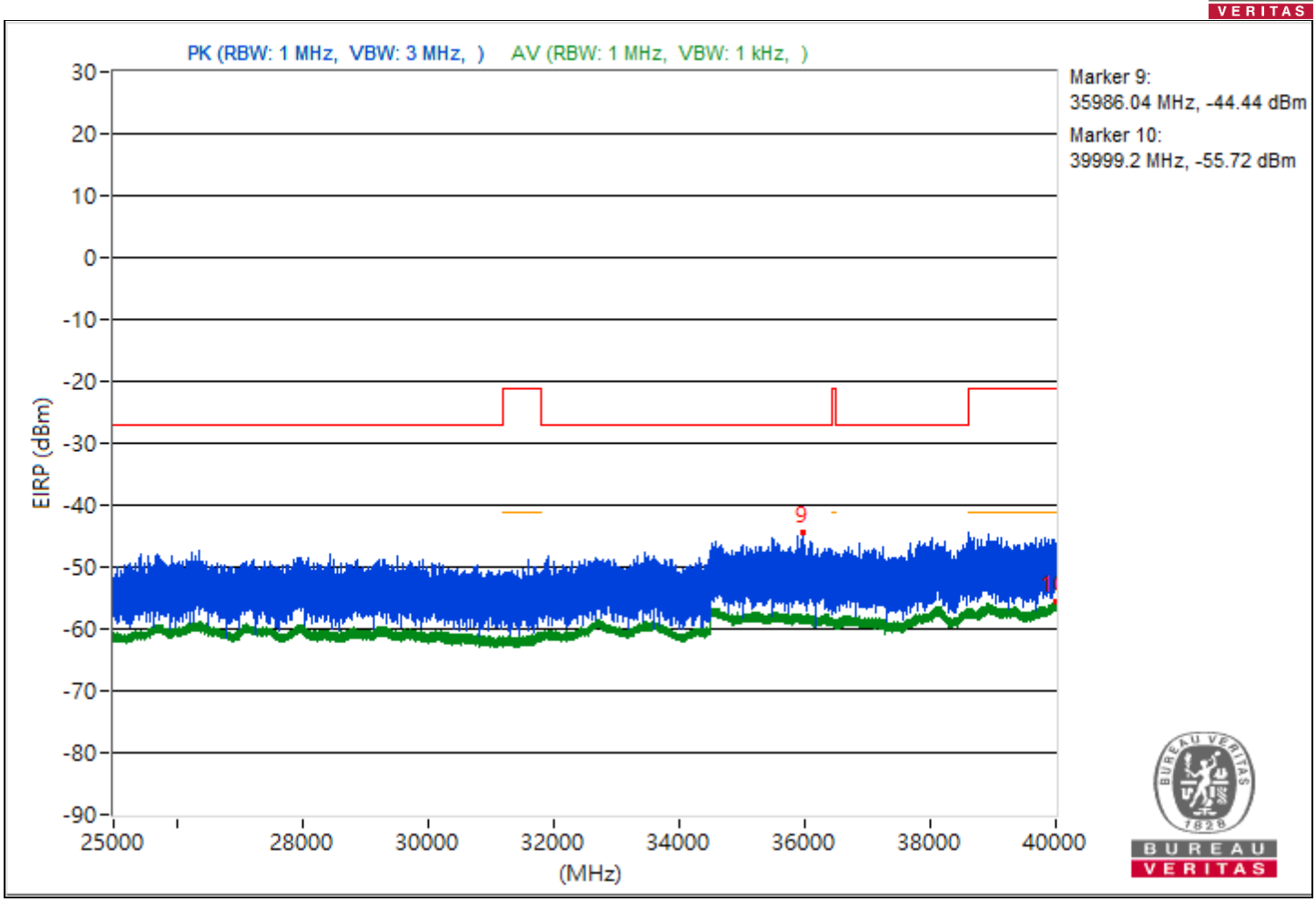
RF Mode	802.11be (EHT20) 26-tone RU	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	#4494.09	53.23 PK	68.26	-15.03	-46.95	4.92	-42.03
2	3821.23	44.66 AV	54	-9.34	-55.52	4.92	-50.6
3	#7787.51	53.59 PK	68.26	-14.67	-46.59	4.92	-41.67
4	9033.51	41.53 AV	54	-12.47	-58.65	4.92	-53.73
5	#17322.9	54.63 PK	68.26	-13.63	-45.55	4.92	-40.63
6	18935.8	43.35 AV	54	-10.65	-56.83	4.92	-51.91
7	#24863	57.77 PK	68.26	-10.49	-42.41	4.92	-37.49
8	23883.6	45.82 AV	54	-8.18	-54.36	4.92	-49.44
9	#35986.04	50.82 PK	68.26	-17.44	-49.36	4.92	-44.44
10	39999.2	39.54 AV	54	-14.46	-60.64	4.92	-55.72

Notes:

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



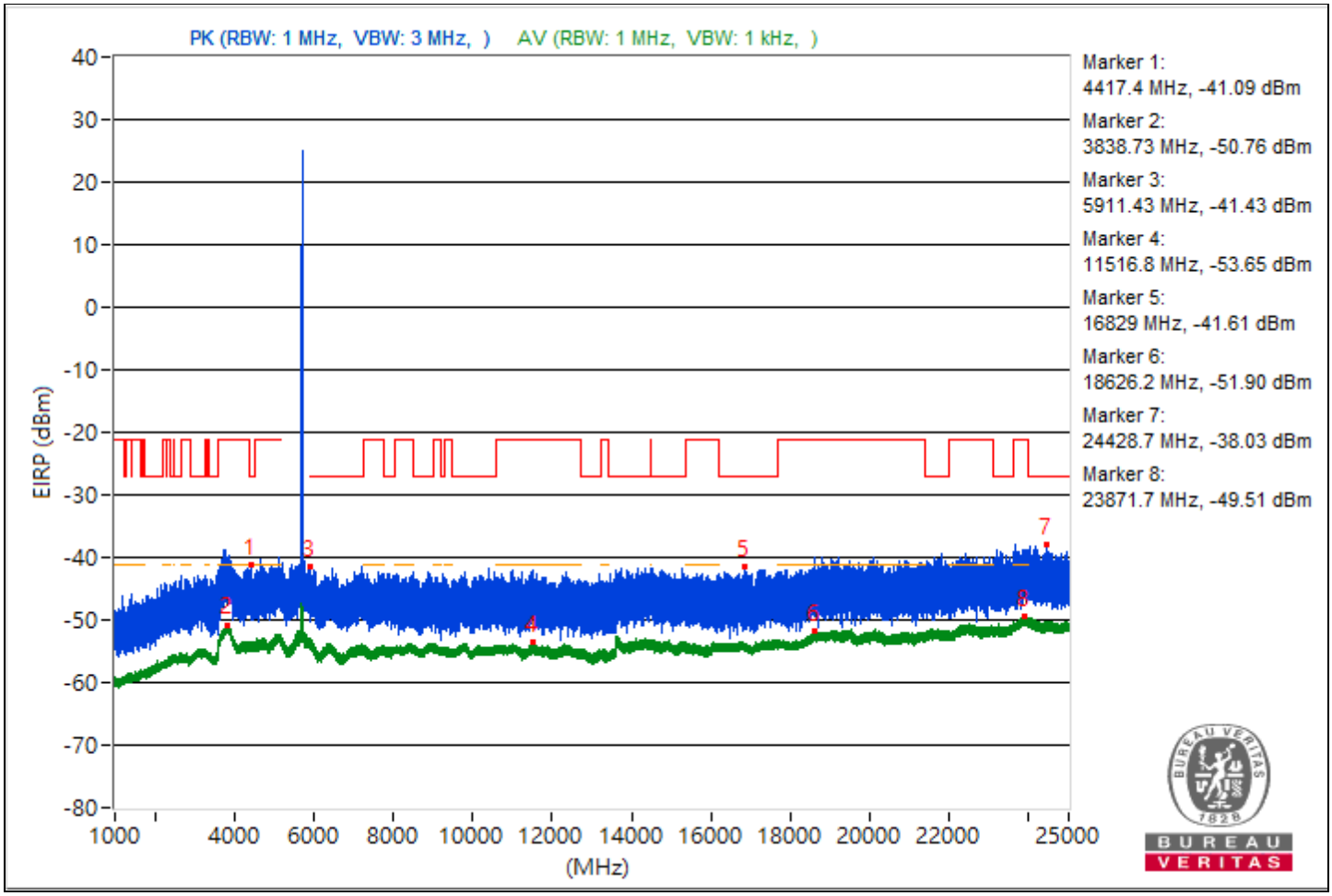

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
35986.04 MHz, -44.44 dBm
Marker 10:
39999.2 MHz, -55.72 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

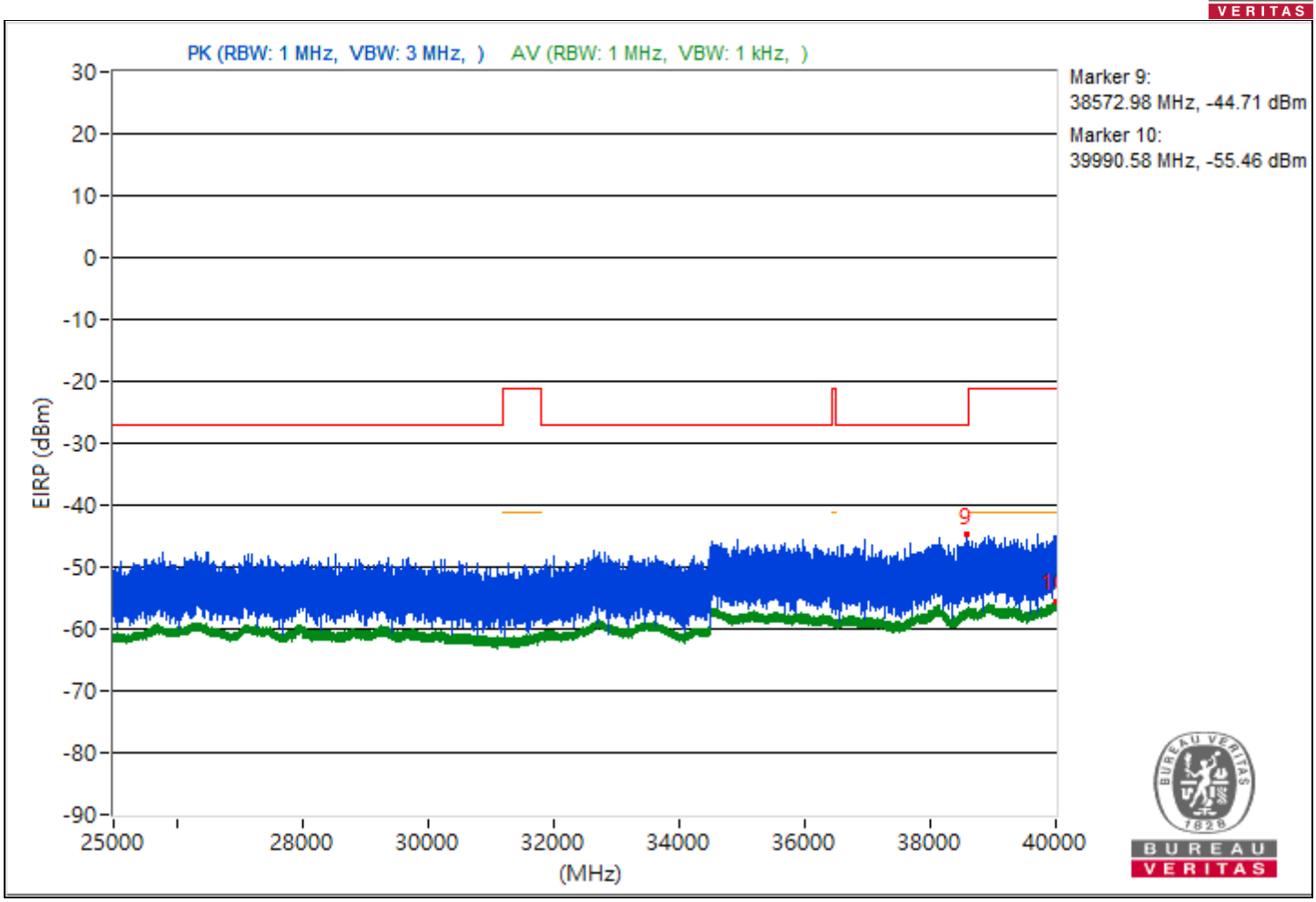
RF Mode	802.11be (EHT20) 26-tone RU	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	#4417.4	54.17 PK	68.26	-14.09	-46.01	4.92	-41.09
2	3838.73	44.5 AV	54	-9.5	-55.68	4.92	-50.76
3	#5911.43	53.83 PK	68.26	-14.43	-46.35	4.92	-41.43
4	11516.8	41.61 AV	54	-12.39	-58.57	4.92	-53.65
5	#16829	53.65 PK	68.26	-14.61	-46.53	4.92	-41.61
6	18626.2	43.36 AV	54	-10.64	-56.82	4.92	-51.9
7	#24428.7	57.23 PK	68.26	-11.03	-42.95	4.92	-38.03
8	23871.7	45.75 AV	54	-8.25	-54.43	4.92	-49.51
9	#38572.98	50.55 PK	68.26	-17.71	-49.63	4.92	-44.71
10	39990.58	39.8 AV	54	-14.2	-60.38	4.92	-55.46

Notes:

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



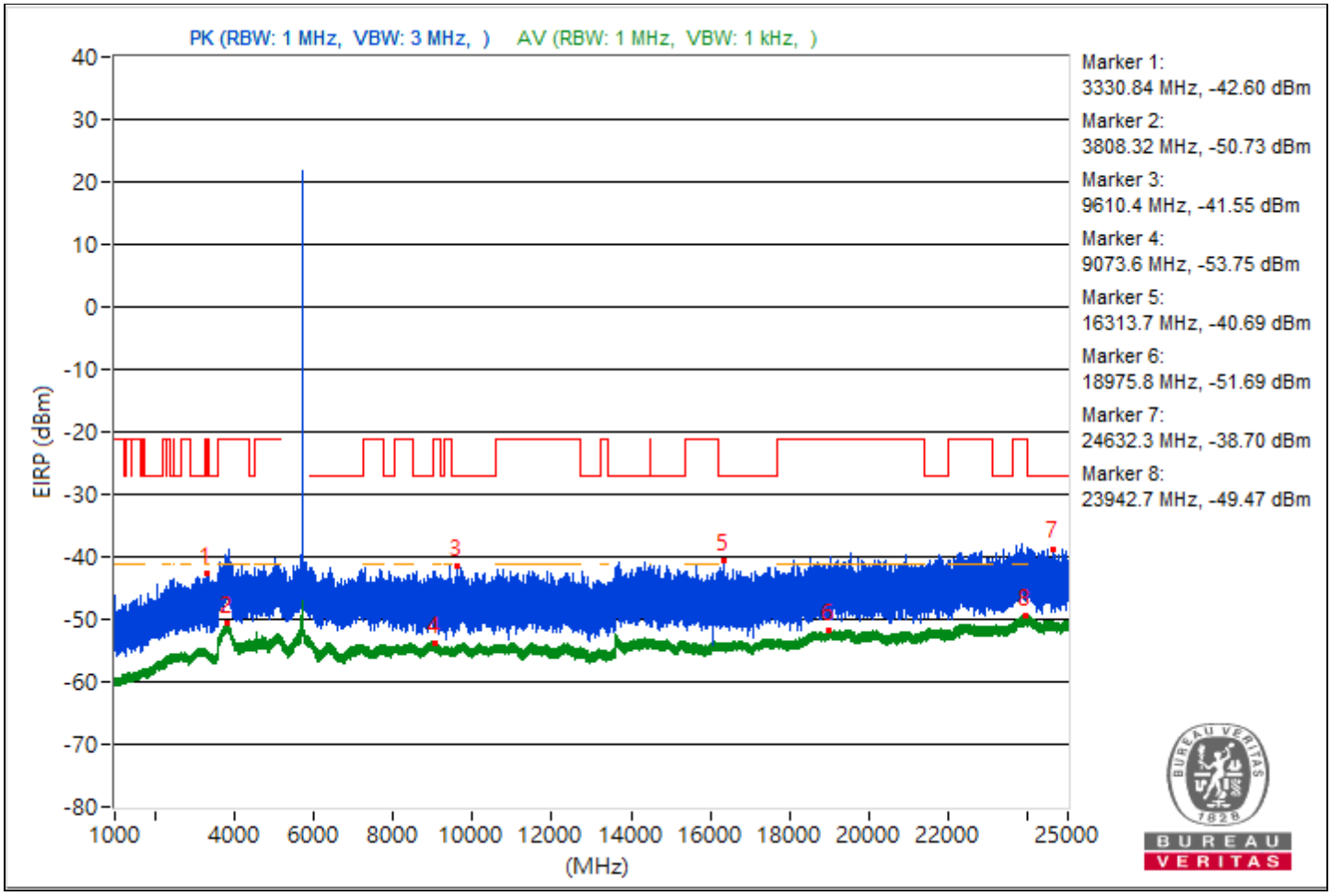

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38572.98 MHz, -44.71 dBm
Marker 10:
39990.58 MHz, -55.46 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

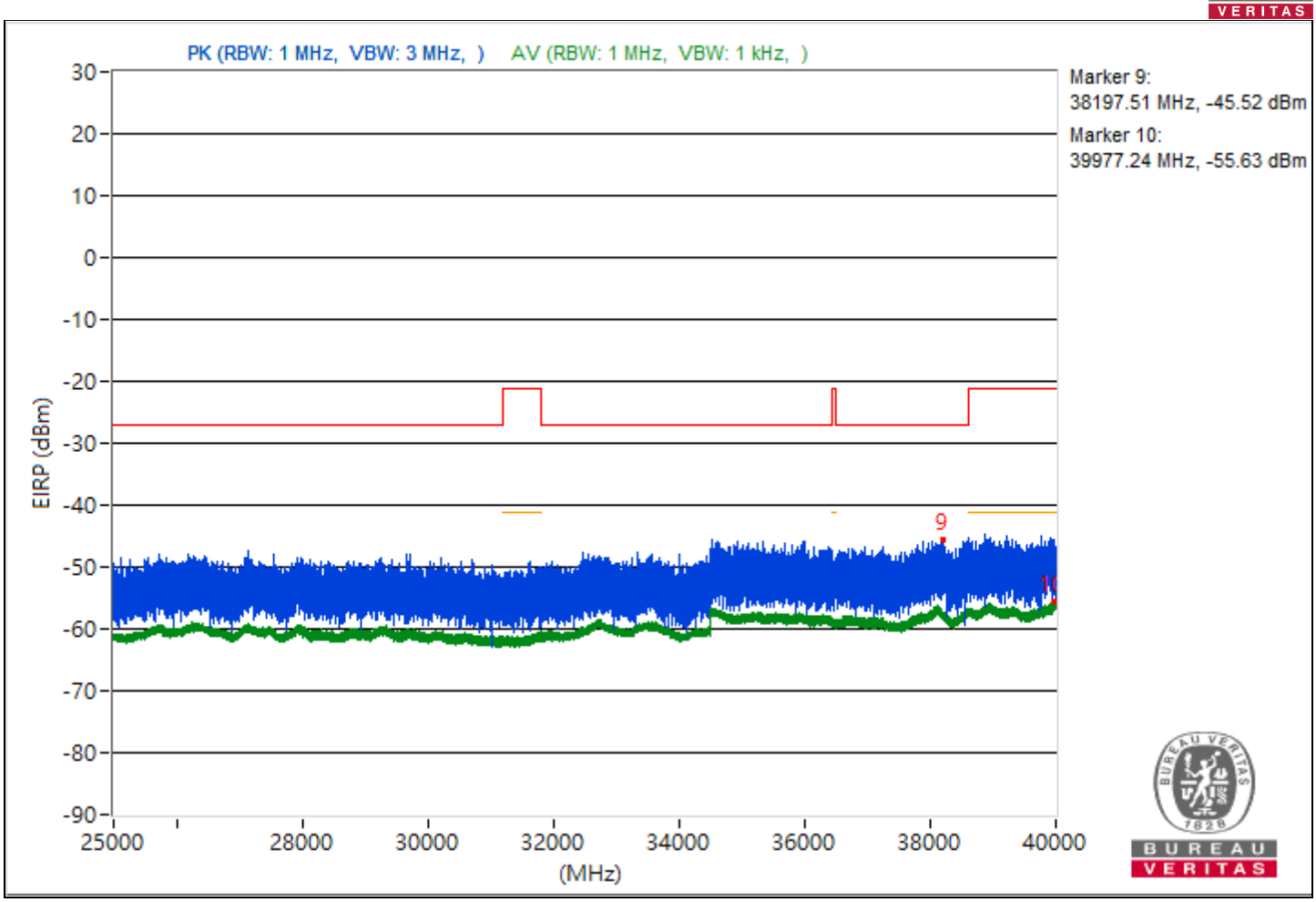
RF Mode	802.11be (EHT20) 26-tone RU	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	#3330.84	52.66 PK	68.26	-15.6	-47.52	4.92	-42.6
2	3808.32	44.53 AV	54	-9.47	-55.65	4.92	-50.73
3	#9610.4	53.71 PK	68.26	-14.55	-46.47	4.92	-41.55
4	9073.6	41.51 AV	54	-12.49	-58.67	4.92	-53.75
5	#16313.7	54.57 PK	68.26	-13.69	-45.61	4.92	-40.69
6	18975.8	43.57 AV	54	-10.43	-56.61	4.92	-51.69
7	#24632.3	56.56 PK	68.26	-11.7	-43.62	4.92	-38.7
8	23942.7	45.79 AV	54	-8.21	-54.39	4.92	-49.47
9	#38197.51	49.74 PK	68.26	-18.52	-50.44	4.92	-45.52
10	39977.24	39.63 AV	54	-14.37	-60.55	4.92	-55.63

Notes:

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



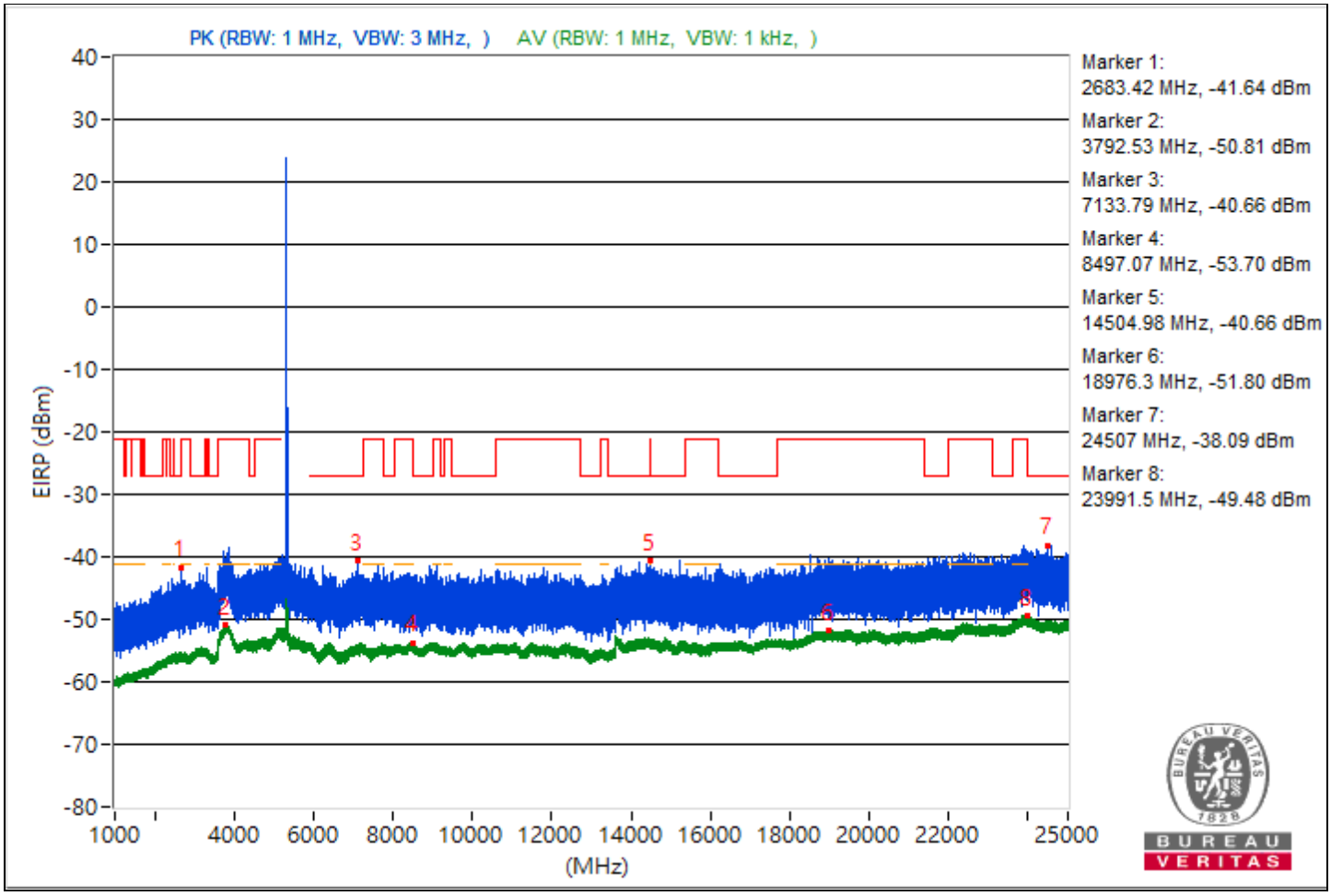

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38197.51 MHz, -45.52 dBm
Marker 10:
39977.24 MHz, -55.63 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

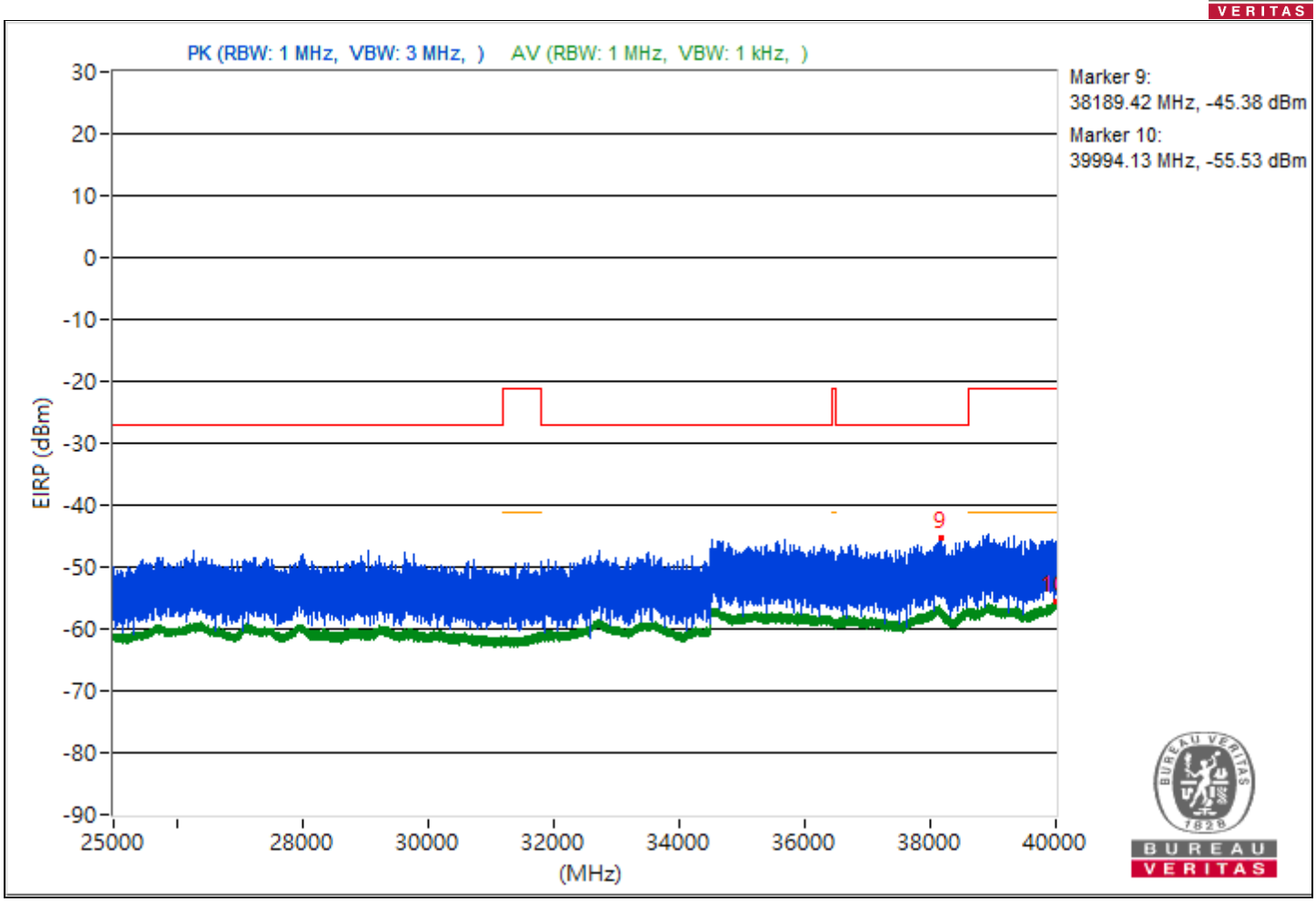
RF Mode	802.11be (EHT20) 52-tone RU	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	#2683.42	53.62 PK	68.26	-14.64	-46.56	4.92	-41.64
2	3792.53	44.45 AV	54	-9.55	-55.73	4.92	-50.81
3	#7133.79	54.6 PK	68.26	-13.66	-45.58	4.92	-40.66
4	8497.07	41.56 AV	54	-12.44	-58.62	4.92	-53.7
5	#14504.98	54.6 PK	68.26	-13.66	-45.58	4.92	-40.66
6	18976.3	43.46 AV	54	-10.54	-56.72	4.92	-51.8
7	#24507	57.17 PK	68.26	-11.09	-43.01	4.92	-38.09
8	23991.5	45.78 AV	54	-8.22	-54.4	4.92	-49.48
9	#38189.42	49.88 PK	68.26	-18.38	-50.3	4.92	-45.38
10	39994.13	39.73 AV	54	-14.27	-60.45	4.92	-55.53

Notes:

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



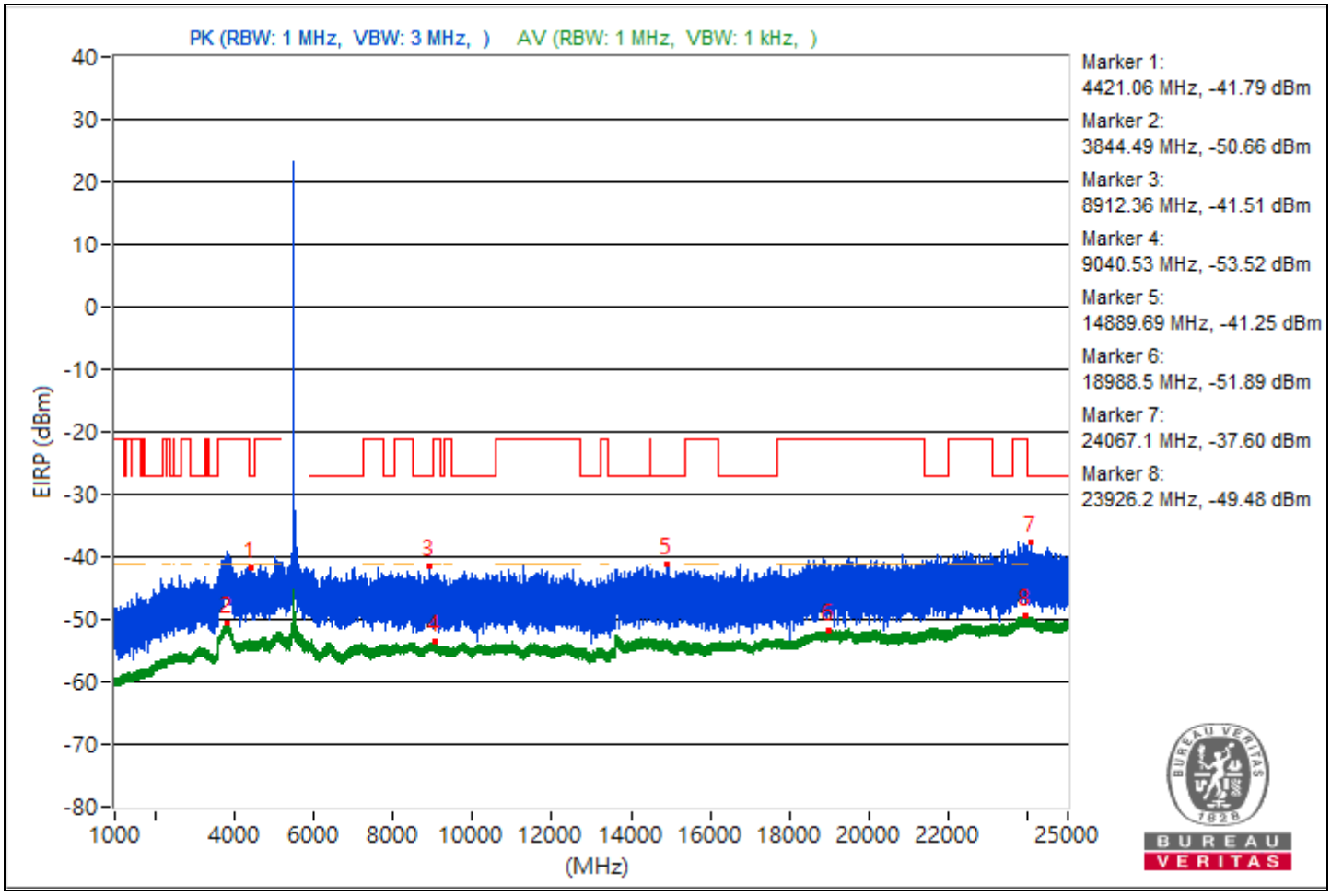

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38189.42 MHz, -45.38 dBm
Marker 10:
39994.13 MHz, -55.53 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9

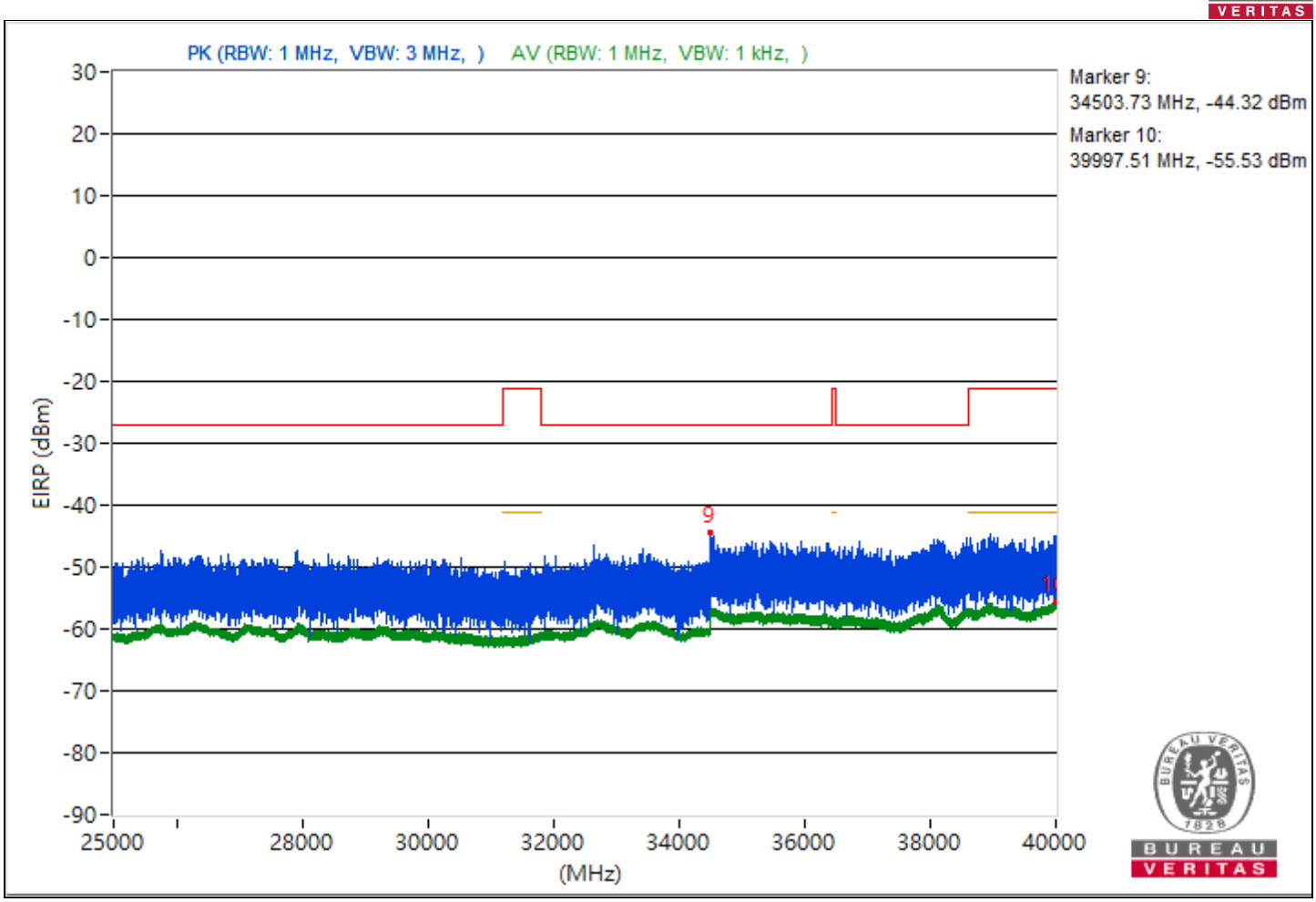
RF Mode	802.11be (EHT20) 52-tone RU	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	#4421.06	53.47 PK	68.26	-14.79	-46.71	4.92	-41.79
2	3844.49	44.6 AV	54	-9.4	-55.58	4.92	-50.66
3	#8912.36	53.75 PK	68.26	-14.51	-46.43	4.92	-41.51
4	9040.53	41.74 AV	54	-12.26	-58.44	4.92	-53.52
5	#14889.69	54.01 PK	68.26	-14.25	-46.17	4.92	-41.25
6	18988.5	43.37 AV	54	-10.63	-56.81	4.92	-51.89
7	#24067.1	57.66 PK	68.26	-10.6	-42.52	4.92	-37.6
8	23926.2	45.78 AV	54	-8.22	-54.4	4.92	-49.48
9	#34503.73	50.94 PK	68.26	-17.32	-49.24	4.92	-44.32
10	39997.51	39.73 AV	54	-14.27	-60.45	4.92	-55.53

Notes:

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



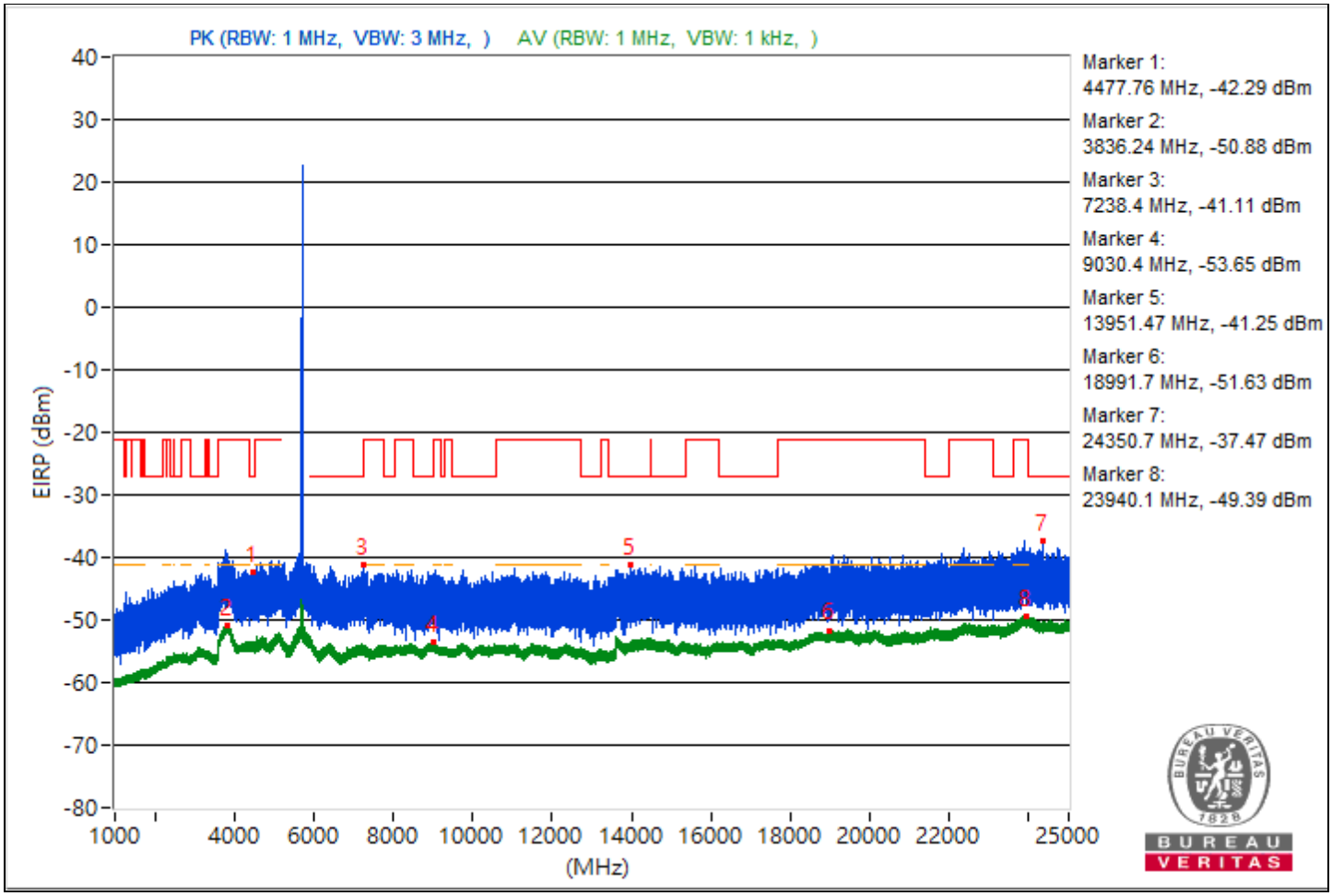

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
34503.73 MHz, -44.32 dBm
Marker 10:
39997.51 MHz, -55.53 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

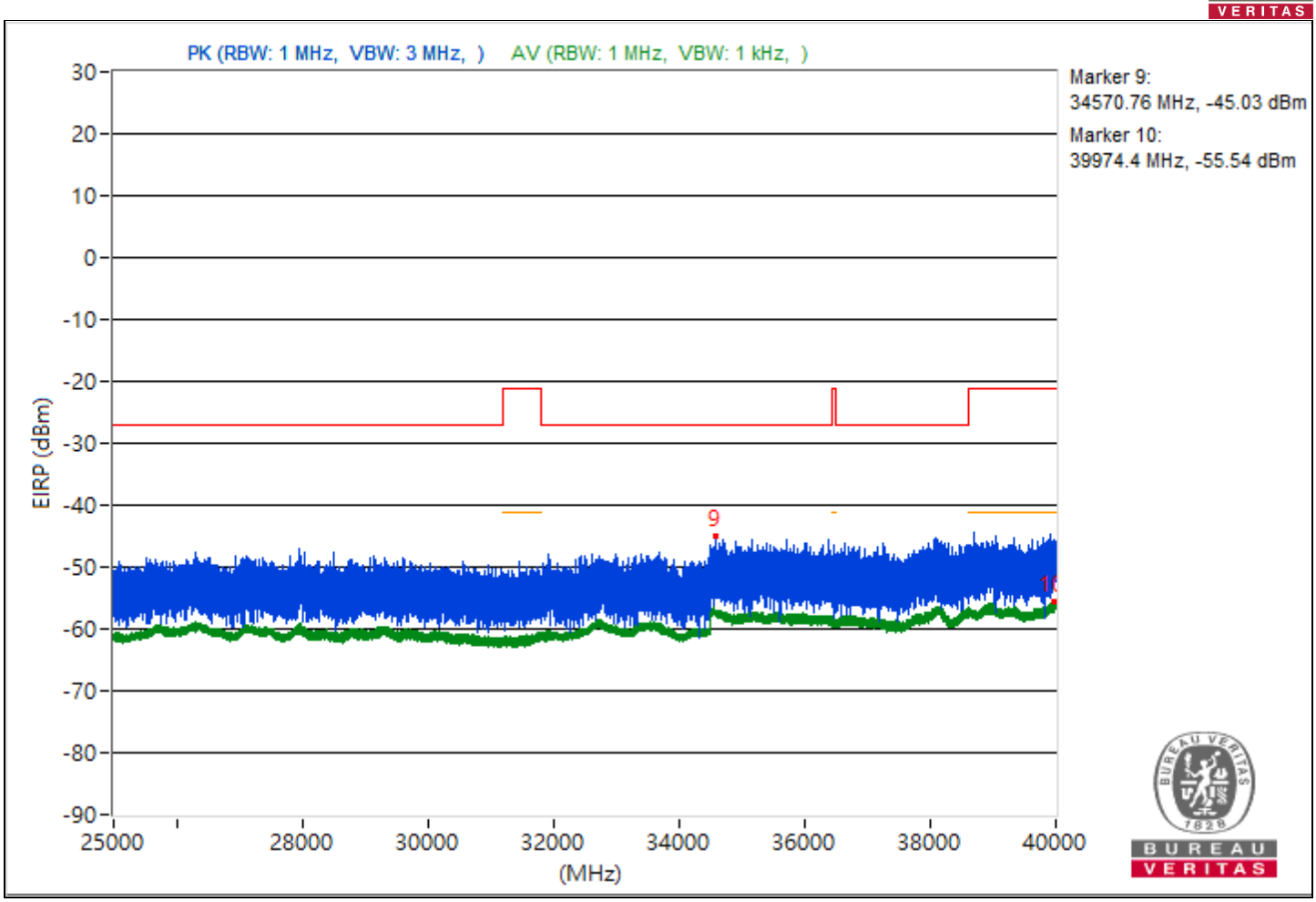
RF Mode	802.11be (EHT20) 52-tone RU	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	#4477.76	52.97 PK	68.26	-15.29	-47.21	4.92	-42.29
2	3836.24	44.38 AV	54	-9.62	-55.8	4.92	-50.88
3	#7238.4	54.15 PK	68.26	-14.11	-46.03	4.92	-41.11
4	9030.4	41.61 AV	54	-12.39	-58.57	4.92	-53.65
5	#13951.47	54.01 PK	68.26	-14.25	-46.17	4.92	-41.25
6	18991.7	43.63 AV	54	-10.37	-56.55	4.92	-51.63
7	#24350.7	57.79 PK	68.26	-10.47	-42.39	4.92	-37.47
8	23940.1	45.87 AV	54	-8.13	-54.31	4.92	-49.39
9	#34570.76	50.23 PK	68.26	-18.03	-49.95	4.92	-45.03
10	39974.4	39.72 AV	54	-14.28	-60.46	4.92	-55.54

Notes:

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



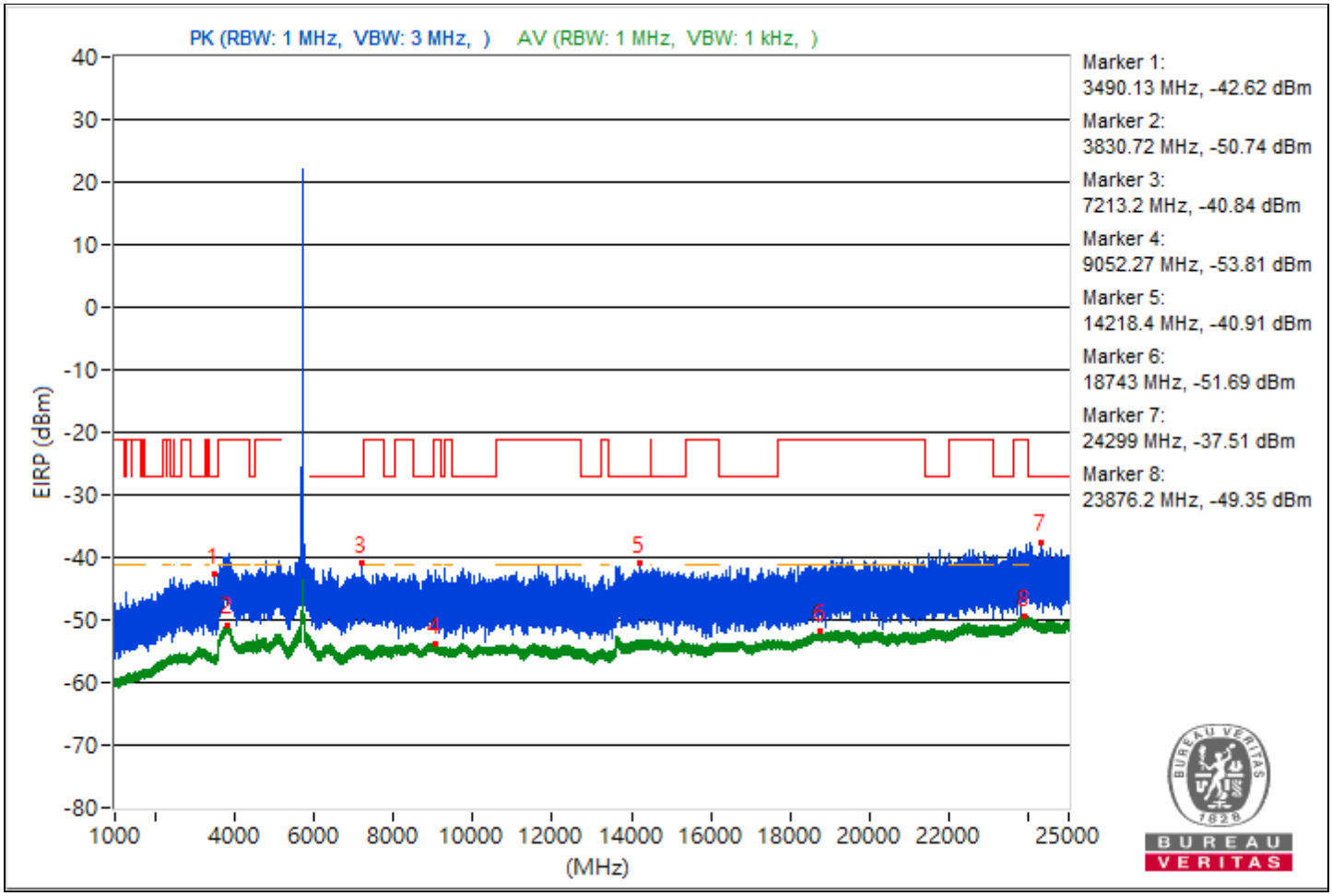

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
34570.76 MHz, -45.03 dBm
Marker 10:
39974.4 MHz, -55.54 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9

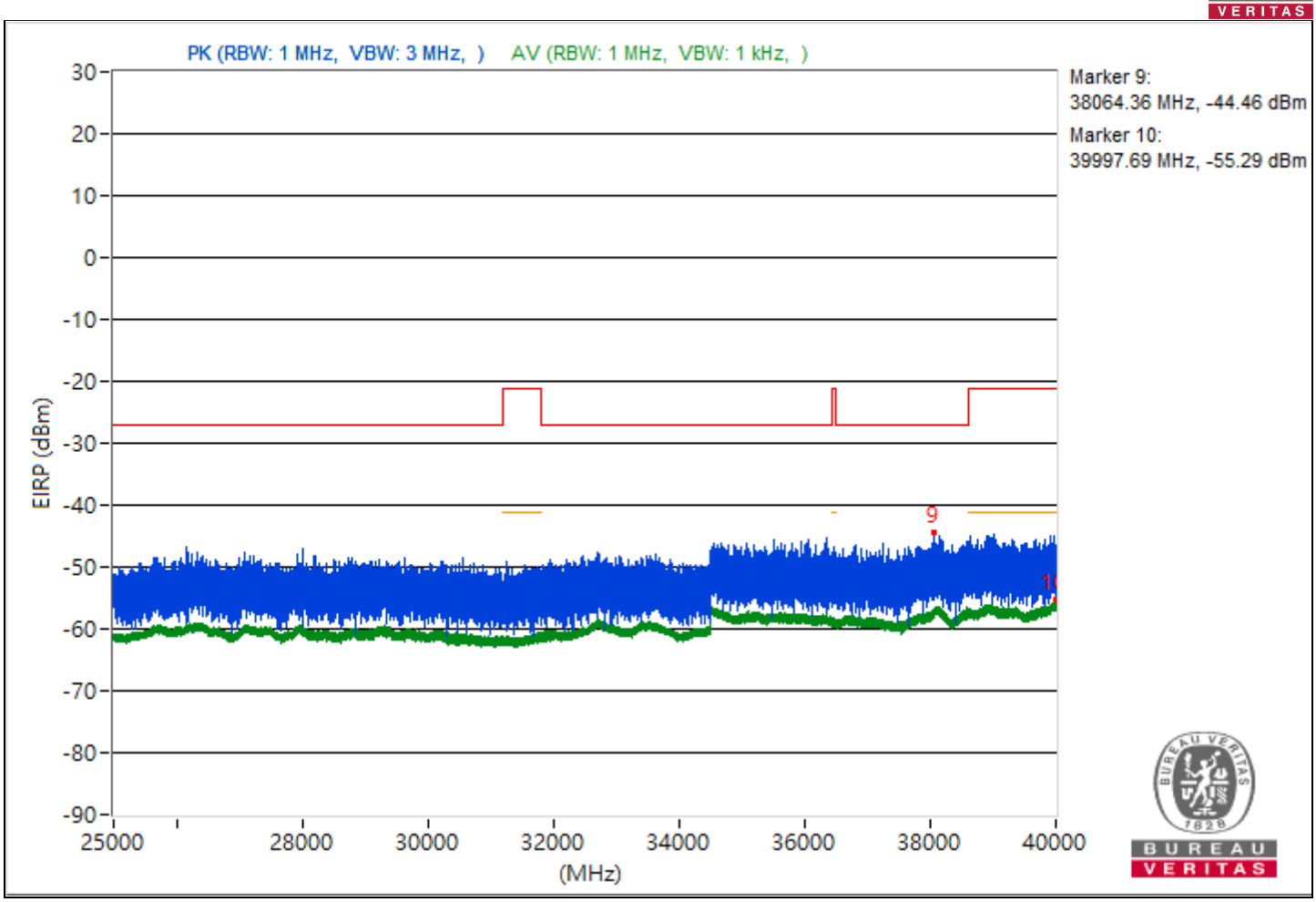
RF Mode	802.11be (EHT20) 52-tone RU	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	#3490.13	52.64 PK	68.26	-15.62	-47.54	4.92	-42.62
2	3830.72	44.52 AV	54	-9.48	-55.66	4.92	-50.74
3	#7213.2	54.42 PK	68.26	-13.84	-45.76	4.92	-40.84
4	9052.27	41.45 AV	54	-12.55	-58.73	4.92	-53.81
5	#14218.4	54.35 PK	68.26	-13.91	-45.83	4.92	-40.91
6	18743	43.57 AV	54	-10.43	-56.61	4.92	-51.69
7	#24299	57.75 PK	68.26	-10.51	-42.43	4.92	-37.51
8	23876.2	45.91 AV	54	-8.09	-54.27	4.92	-49.35
9	#38064.36	50.8 PK	68.26	-17.46	-49.38	4.92	-44.46
10	39997.69	39.97 AV	54	-14.03	-60.21	4.92	-55.29

Notes:

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



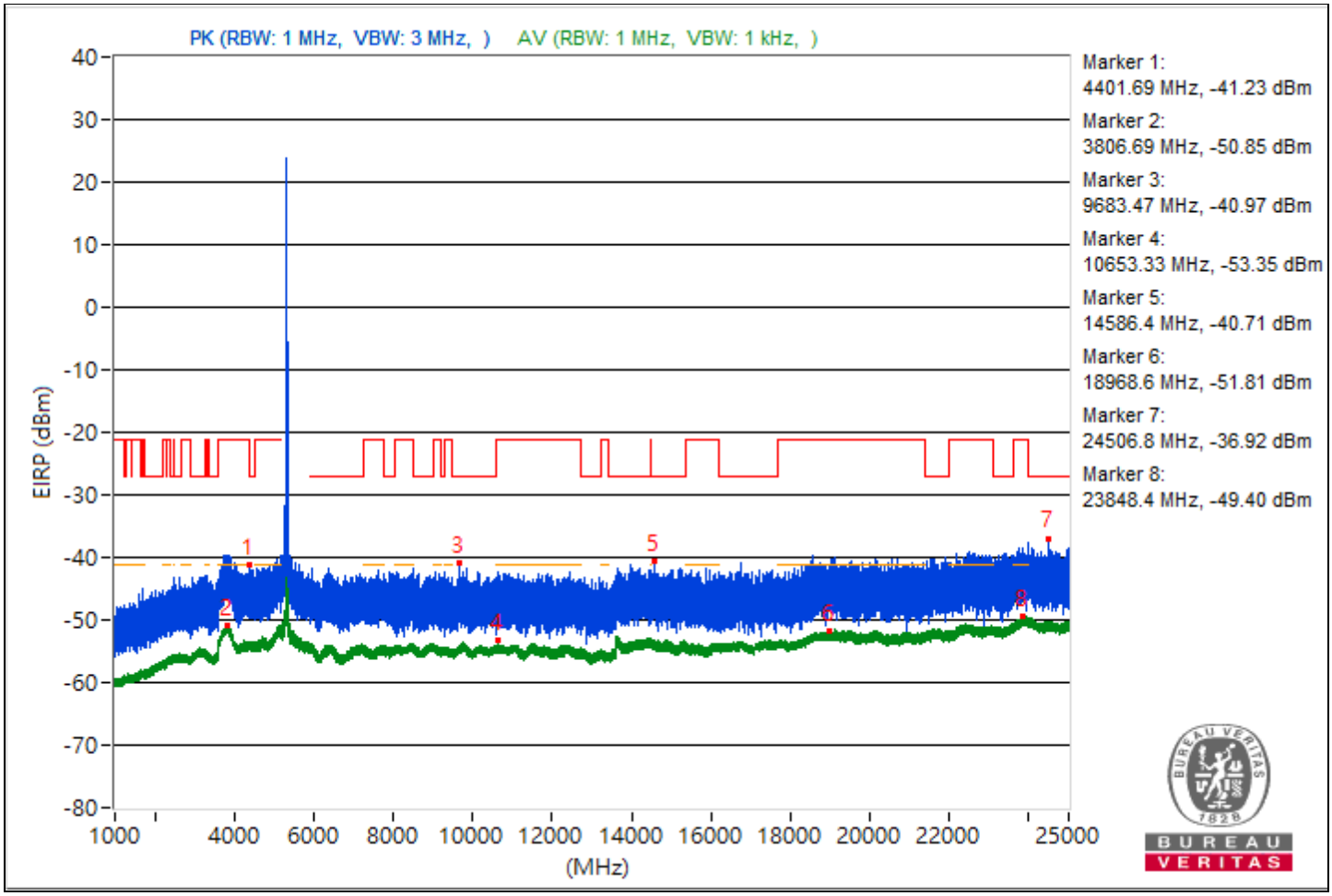

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38064.36 MHz, -44.46 dBm
Marker 10:
39997.69 MHz, -55.29 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

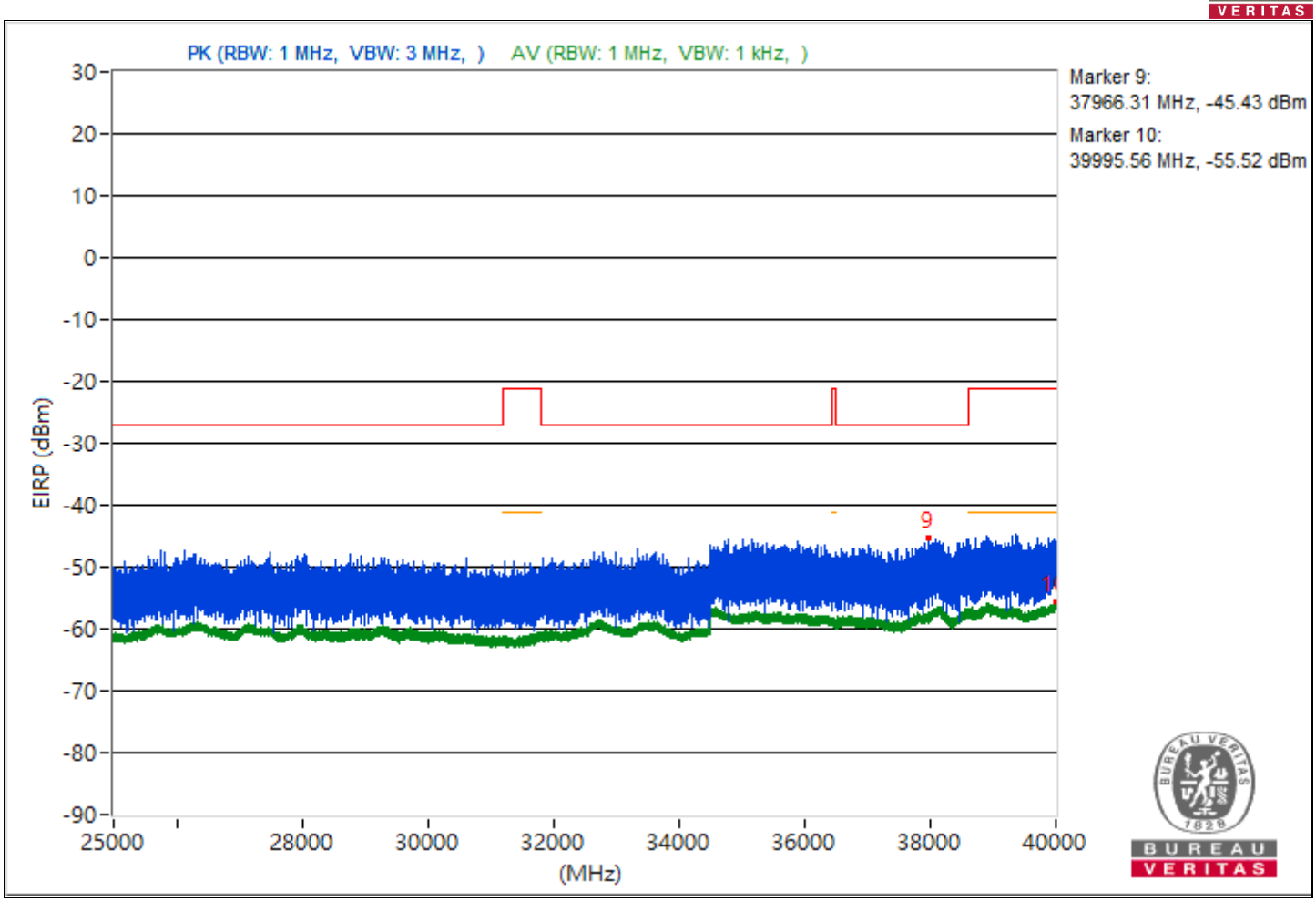
RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	#4401.69	54.03 PK	68.26	-14.23	-46.15	4.92	-41.23
2	3806.69	44.41 AV	54	-9.59	-55.77	4.92	-50.85
3	#9683.47	54.29 PK	68.26	-13.97	-45.89	4.92	-40.97
4	10653.33	41.91 AV	54	-12.09	-58.27	4.92	-53.35
5	#14586.4	54.55 PK	68.26	-13.71	-45.63	4.92	-40.71
6	18968.6	43.45 AV	54	-10.55	-56.73	4.92	-51.81
7	#24506.8	58.34 PK	68.26	-9.92	-41.84	4.92	-36.92
8	23848.4	45.86 AV	54	-8.14	-54.32	4.92	-49.4
9	#37966.31	49.83 PK	68.26	-18.43	-50.35	4.92	-45.43
10	39995.56	39.74 AV	54	-14.26	-60.44	4.92	-55.52

Notes:

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



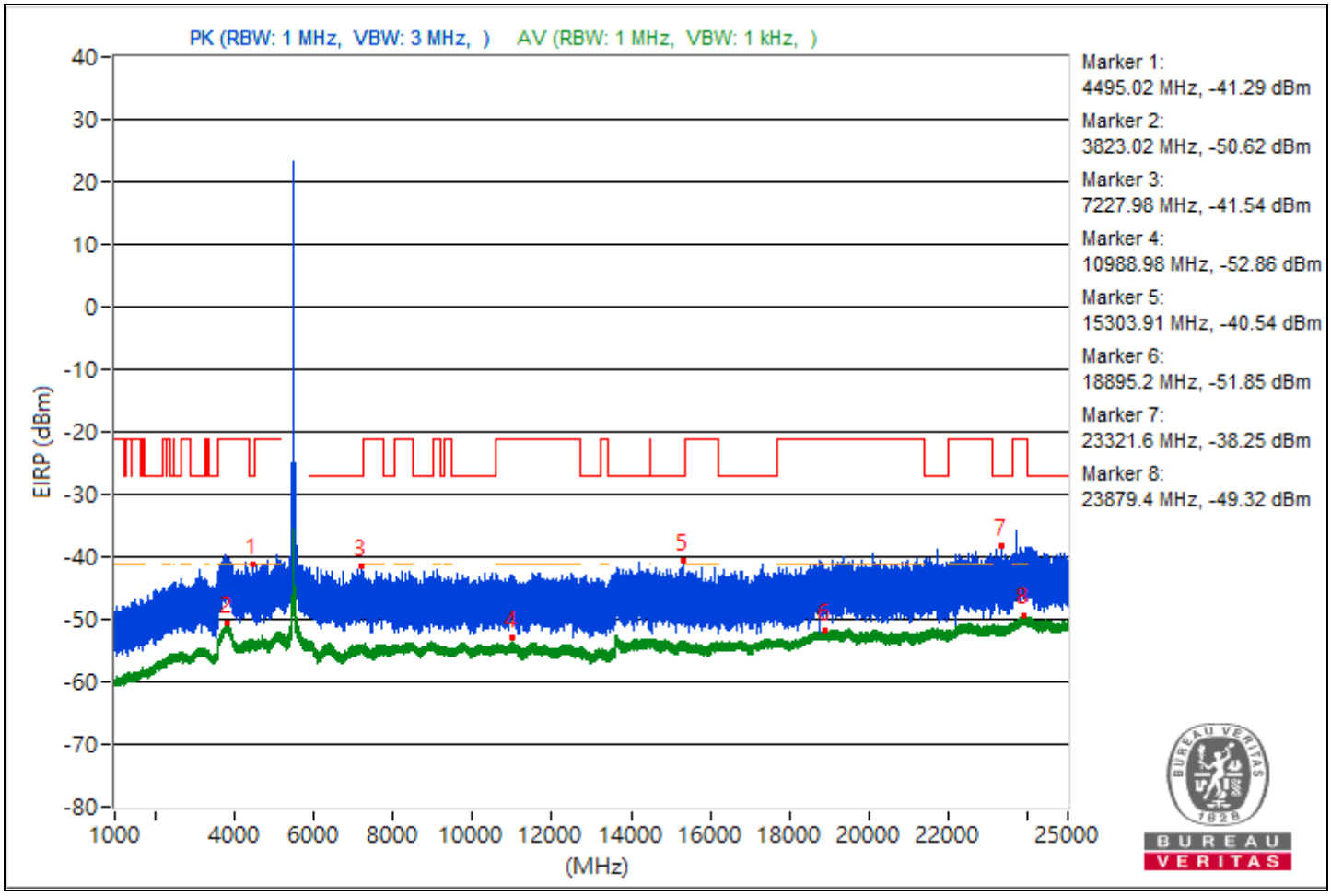

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
37966.31 MHz, -45.43 dBm
Marker 10:
39995.56 MHz, -55.52 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
1

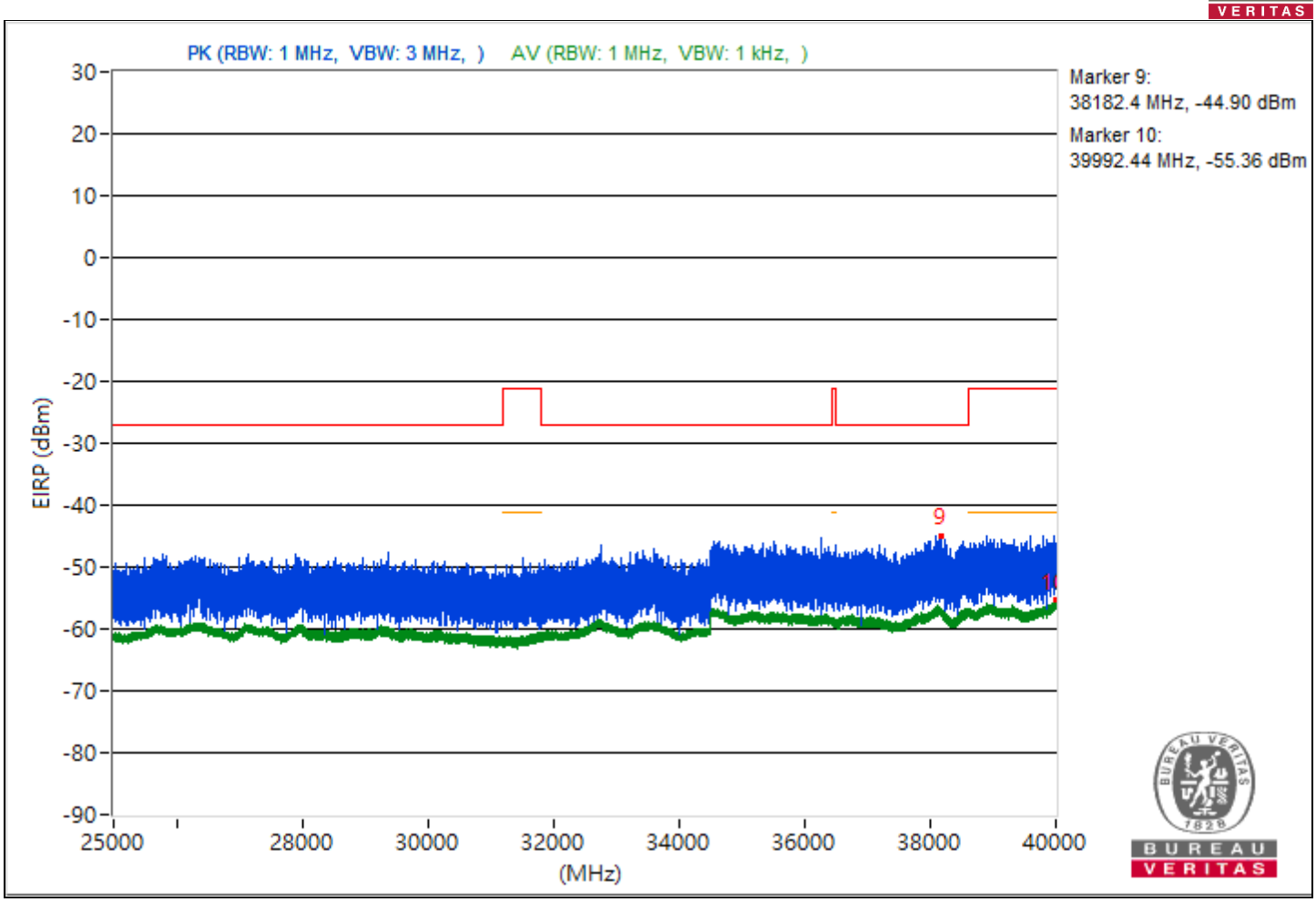
RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	#4495.02	53.97 PK	68.26	-14.29	-46.21	4.92	-41.29
2	3823.02	44.64 AV	54	-9.36	-55.54	4.92	-50.62
3	#7227.98	53.72 PK	68.26	-14.54	-46.46	4.92	-41.54
4	10988.98	42.4 AV	54	-11.6	-57.78	4.92	-52.86
5	#15303.91	54.72 PK	68.26	-13.54	-45.46	4.92	-40.54
6	18895.2	43.41 AV	54	-10.59	-56.77	4.92	-51.85
7	#23321.6	57.01 PK	68.26	-11.25	-43.17	4.92	-38.25
8	23879.4	45.94 AV	54	-8.06	-54.24	4.92	-49.32
9	#38182.4	50.36 PK	68.26	-17.9	-49.82	4.92	-44.9
10	39992.44	39.9 AV	54	-14.1	-60.28	4.92	-55.36

Notes:

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



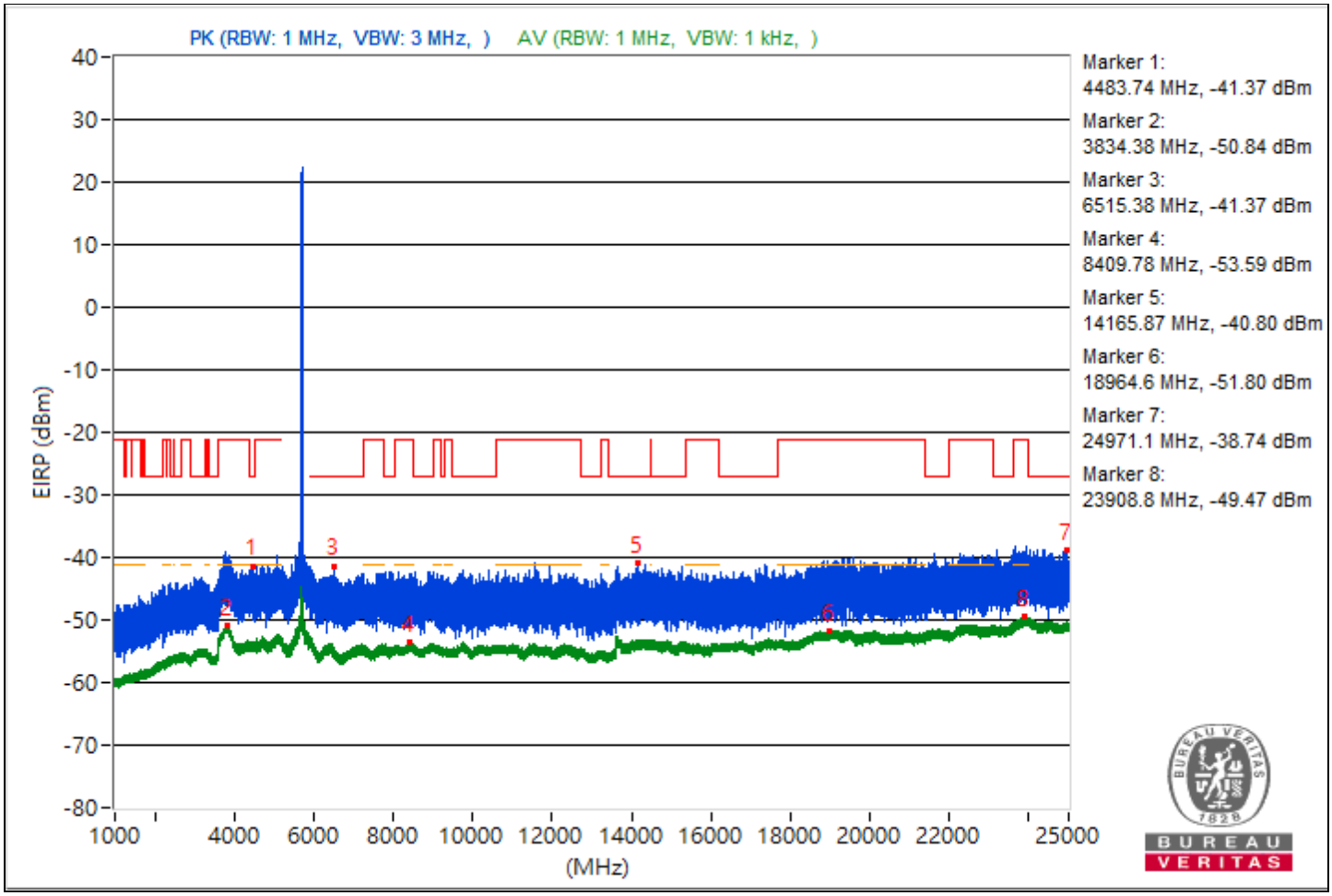

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
38182.4 MHz, -44.90 dBm
Marker 10:
39992.44 MHz, -55.36 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

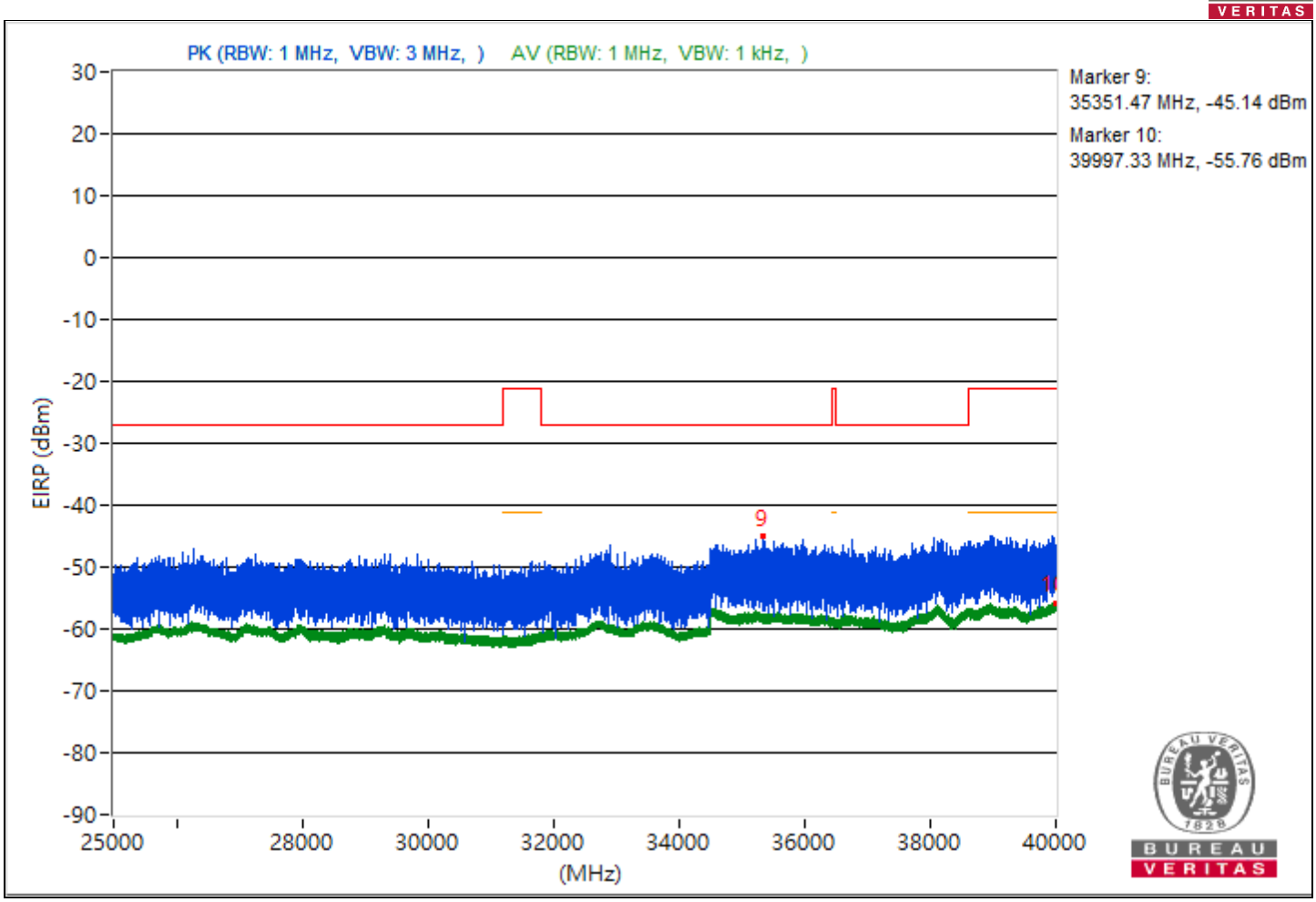
RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	#4483.74	53.89 PK	68.26	-14.37	-46.29	4.92	-41.37
2	3834.38	44.42 AV	54	-9.58	-55.76	4.92	-50.84
3	#6515.38	53.89 PK	68.26	-14.37	-46.29	4.92	-41.37
4	8409.78	41.67 AV	54	-12.33	-58.51	4.92	-53.59
5	#14165.87	54.46 PK	68.26	-13.8	-45.72	4.92	-40.8
6	18964.6	43.46 AV	54	-10.54	-56.72	4.92	-51.8
7	#24971.1	56.52 PK	68.26	-11.74	-43.66	4.92	-38.74
8	23908.8	45.79 AV	54	-8.21	-54.39	4.92	-49.47
9	#35351.47	50.12 PK	68.26	-18.14	-50.06	4.92	-45.14
10	39997.33	39.5 AV	54	-14.5	-60.68	4.92	-55.76

Notes:

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




PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
35351.47 MHz, -45.14 dBm
Marker 10:
39997.33 MHz, -55.76 dBm
EIRP (dBm)
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 65% RH
Tested By	Katina Lu		

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	#4424.71	53.69 PK	68.26	-14.57	-46.49	4.92	-41.57
2	3795.33	44.56 AV	54	-9.44	-55.62	4.92	-50.7
3	#7114.81	53.91 PK	68.26	-14.35	-46.27	4.92	-41.35
4	9013.6	41.54 AV	54	-12.46	-58.64	4.92	-53.72
5	#14604.98	54.39 PK	68.26	-13.87	-45.79	4.92	-40.87
6	18729.5	43.39 AV	54	-10.61	-56.79	4.92	-51.87
7	#24087.4	57.77 PK	68.26	-10.49	-42.41	4.92	-37.49
8	23893.6	45.99 AV	54	-8.01	-54.19	4.92	-49.27
9	#38140.98	50.73 PK	68.26	-17.53	-49.45	4.92	-44.53
10	39995.73	39.78 AV	54	-14.22	-60.4	4.92	-55.48

Notes:

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