

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBARR-WTW-P23100182-2

FCC ID: FCC ID: C3K2092

Product: 802.11a/b/g/n/ac dual-band wireless LAN radio

Brand: Microsoft

Model No.: 2092

Received Date: 2023/9/28

Test Date: 2023/11/29 ~ 2024/1/7

Issued Date: 2024/2/16

Applicant: Microsoft Corporation

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

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FCC Registration / 788550 / TW0003

Designation Number:

Approved by: _____

Jeremy Lin

, Date: _____

2024/2/16

Jeremy Lin / Project Engineer

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Prepared by : Polly Chien / Specialist

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Table of Contents

Release Control Record	4
1 Certificate	5
2 Summary of Test Results	6
2.1 Measurement Uncertainty	6
2.2 Supplementary Information	6
3 General Information	7
3.1 General Description of EUT	7
3.2 Antenna Description of EUT	8
3.3 Channel List	9
3.4 Test Mode Applicability and Tested Channel Detail	11
3.5 Duty Cycle of Test Signal	13
3.6 Test Program Used and Operation Descriptions	15
3.7 Connection Diagram of EUT and Peripheral Devices	15
3.8 Configuration of Peripheral Devices and Cable Connections	16
4 Test Instruments	17
4.1 26 dB Bandwidth	17
4.2 RF Output Power	17
4.3 Power Spectral Density	17
4.4 6 dB Bandwidth	17
4.5 Occupied Bandwidth	17
4.6 Frequency Stability	18
4.7 AC Power Conducted Emissions	18
4.8 Unwanted Emissions below 1 GHz	19
4.9 Unwanted Emissions above 1 GHz	20
5 Limits of Test Items	21
5.1 26 dB Bandwidth	21
5.2 RF Output Power	21
5.3 Power Spectral Density	21
5.4 6 dB Bandwidth	21
5.5 Occupied Bandwidth	22
5.6 Frequency Stability	22
5.7 AC Power Conducted Emissions	22
5.8 Unwanted Emissions below 1 GHz	22
5.9 Unwanted Emissions above 1 GHz	23
6 Test Arrangements	24
6.1 26 dB Bandwidth	24
6.1.1 Test Setup	24
6.1.2 Test Procedure	24
6.2 RF Output Power	24
6.2.1 Test Setup	24
6.2.2 Test Procedure	24
6.3 Power Spectral Density	25
6.3.1 Test Setup	25
6.3.2 Test Procedure	25
6.4 6 dB Bandwidth	25
6.4.1 Test Setup	25
6.4.2 Test Procedure	25
6.5 Occupied Bandwidth	26
6.5.1 Test Setup	26
6.5.2 Test Procedure	26
6.6 Frequency Stability	26
6.6.1 Test Setup	26
6.6.2 Test Procedure	26
6.7 AC Power Conducted Emissions	27



6.7.1	Test Setup	27
6.7.2	Test Procedure	27
6.8	Unwanted Emissions below 1 GHz	28
6.8.1	Test Setup	28
6.8.2	Test Procedure	29
6.9	Unwanted Emissions above 1 GHz	31
6.9.1	Test Setup	31
6.9.2	Test Procedure	31
7	Test Results of Test Item	33
7.1	26 dB Bandwidth	33
7.2	RF Output Power	40
7.3	Power Spectral Density	49
7.4	6 dB Bandwidth	58
7.5	Occupied Bandwidth	62
7.6	Frequency Stability	71
7.7	AC Power Conducted Emissions	72
7.8	Unwanted Emissions below 1 GHz	74
7.9	Unwanted Emissions above 1 GHz	77
8	Pictures of Test Arrangements	367
9	Information of the Testing Laboratories	368



Release Control Record

Issue No.	Description	Date Issued
RFBARR-WTW-P23100182-2	Original release.	2024/2/16

1 Certificate

Product: 802.11a/b/g/n/ac dual-band wireless LAN radio

Brand: Microsoft

Test Model: 2092

Sample Status: Engineering sample

Applicant: Microsoft Corporation

Test Date: 2023/11/29 ~ 2024/1/7

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

Measurement ANSI C63.10-2013

procedure: 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	Pass	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 -4.13 dB at 0.36161 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -6.4 dB at 53.28 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 -0.36 dB at 5726.43 MHz
15.203	Antenna Requirement	Pass	No antenna connector is used.

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	-	206.5 Hz
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.88 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	2.44 dB
	30 MHz ~ 1 GHz	2.95 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.26 dB
	18 GHz ~ 40 GHz	1.94 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	802.11a/b/g/n/ac dual-band wireless LAN radio
Brand	Microsoft
Test Model	2092
Status of EUT	Engineering sample
Power Supply Rating	3.3Vdc from host equipment
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 866.7 Mbps
Operating Frequency	5180 ~ 5320 MHz, 5500 ~ 5720 MHz, 5745 ~ 5825 MHz
Number of Channel	5180 ~ 5320 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 8 802.11n (HT40), 802.11ac (VHT40): 4 802.11ac (VHT80): 2 5500 ~ 5720 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 12 802.11n (HT40), 802.11ac (VHT40): 6 802.11ac (VHT80): 3 5745 ~ 5825 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 5 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1
Output Power	5180 ~ 5250 MHz : 93.463 mW (19.71 dBm) 5250 ~ 5320 MHz :90.157 mW (19.55 dBm) 5500 ~ 5720 MHz :91.568 mW (19.62 dBm) 5745 ~ 5825 MHz : 92.53 mW (19.66 dBm)
EUT Category	Client device

Note:

1. There are WLAN (2.4 GHz & 5 GHz) technology used for the EUT.
2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	RF Chain NO.	Brand	Model	Antenna Type	Connector Type	Frequency range	Gain (dBi)
NW1	0	Microsoft	2092	PCB	NA	2.4~2.4835GHz	5.4
						5.15~5.25GHz	5.4
						5.25~5.35GHz	5.5
						5.47~5.725GHz	5.6
						5.725~5.85GHz	5.4
NW2	1	Microsoft	2092	PCB	NA	2.4~2.4835GHz	3.6
						5.15~5.25GHz	4.75
						5.25~5.35GHz	5.1
						5.47~5.725GHz	5.4
						5.725~5.85GHz	5

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

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	1TX (diversity)	2RX
802.11n (HT20)	1TX (diversity) / 2TX (uncorrelated)	2RX
802.11n (HT40)	1TX (diversity) / 2TX (uncorrelated)	2RX
802.11ac (VHT20)	1TX (diversity) / 2TX (uncorrelated)	2RX
802.11ac (VHT40)	1TX (diversity) / 2TX (uncorrelated)	2RX
802.11ac (VHT80)	1TX (diversity) / 2TX (uncorrelated)	2RX

Note: The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz). Therefore, therefore the manufacturer will control the power for 802.11n mode is the same as the 802.11ac or more lower than it and investigated worst case to representative mode in test report.

3.3 Channel List

FOR 5180 ~ 5320 MHz

8 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

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

4 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

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

2 channels are provided for 802.11ac (VHT80):

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

FOR 5500 ~ 5720 MHz

12 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

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):

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):

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

FOR 5745 ~ 5825 MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
149	5745 MHz	161	5805 MHz
153	5765 MHz	165	5825 MHz
157	5785 MHz		

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	<ol style="list-style-type: none"> EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: Y-axis

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

Test Item	EUT Configure Mode	Mode	Tx Condition	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	A	802.11a	1Tx	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
		802.11ac (VHT20)	1Tx	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11ac (VHT40)	1Tx	54, 62, 102, 110, 134, 142	BPSK	MCS0
		802.11ac (VHT80)	1Tx	58, 106, 122, 138	BPSK	MCS0
		802.11ac (VHT20)	2Tx	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0 (Nss=2)
		802.11ac (VHT40)	2Tx	54, 62, 102, 110, 134, 142	BPSK	MCS0 (Nss=2)
		802.11ac (VHT80)	2Tx	58, 106, 122, 138	BPSK	MCS0 (Nss=2)
RF Output Power / Power Spectral Density	A	802.11a	1Tx	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ac (VHT20)	1Tx	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ac (VHT40)	1Tx	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ac (VHT80)	1Tx	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ac (VHT20)	2Tx	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0 (Nss=2)
		802.11ac (VHT40)	2Tx	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0 (Nss=2)
		802.11ac (VHT80)	2Tx	42, 58, 106, 122, 138, 155	BPSK	MCS0 (Nss=2)
6 dB Bandwidth	A	802.11a	1Tx	144, 149, 157, 165	BPSK	6Mb/s
		802.11ac (VHT20)	1Tx	144, 149, 157, 165	BPSK	MCS0
		802.11ac (VHT40)	1Tx	142, 151, 159	BPSK	MCS0
		802.11ac (VHT80)	1Tx	138, 155	BPSK	MCS0
		802.11ac (VHT20)	2Tx	144, 149, 157, 165	BPSK	MCS0 (Nss=2)
		802.11ac (VHT40)	2Tx	142, 151, 159	BPSK	MCS0 (Nss=2)

Test Item	EUT Configure Mode	Mode	Tx Condition	Tested Channel	Modulation	Data Rate Parameter
		802.11ac (VHT80)	2Tx	138, 155	BPSK	MCS0 (Nss=2)
Occupied Bandwidth	A	802.11a	1Tx	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ac (VHT20)	1Tx	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ac (VHT40)	1Tx	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ac (VHT80)	1Tx	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ac (VHT20)	2Tx	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0 (Nss=2)
		802.11ac (VHT40)	2Tx	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0 (Nss=2)
		802.11ac (VHT80)	2Tx	42, 58, 106, 122, 138, 155	BPSK	MCS0 (Nss=2)
Frequency Stability	A	802.11a	-	36	unmodulated	-
AC Power Conducted Emissions	C	802.11ac (VHT20)	2TX	40	BPSK	MCS0
Unwanted Emissions below 1 GHz	A, B	802.11ac (VHT20)	2TX	40	BPSK	MCS0
Unwanted Emissions above 1 GHz	A, B	802.11a	1Tx	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ac (VHT20)	1Tx	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ac (VHT40)	1Tx	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ac (VHT80)	1Tx	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ac (VHT20)	2Tx	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0 (Nss=2)
		802.11ac (VHT40)	2Tx	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0 (Nss=2)
		802.11ac (VHT80)	2Tx	42, 58, 106, 122, 138, 155	BPSK	MCS0 (Nss=2)
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				

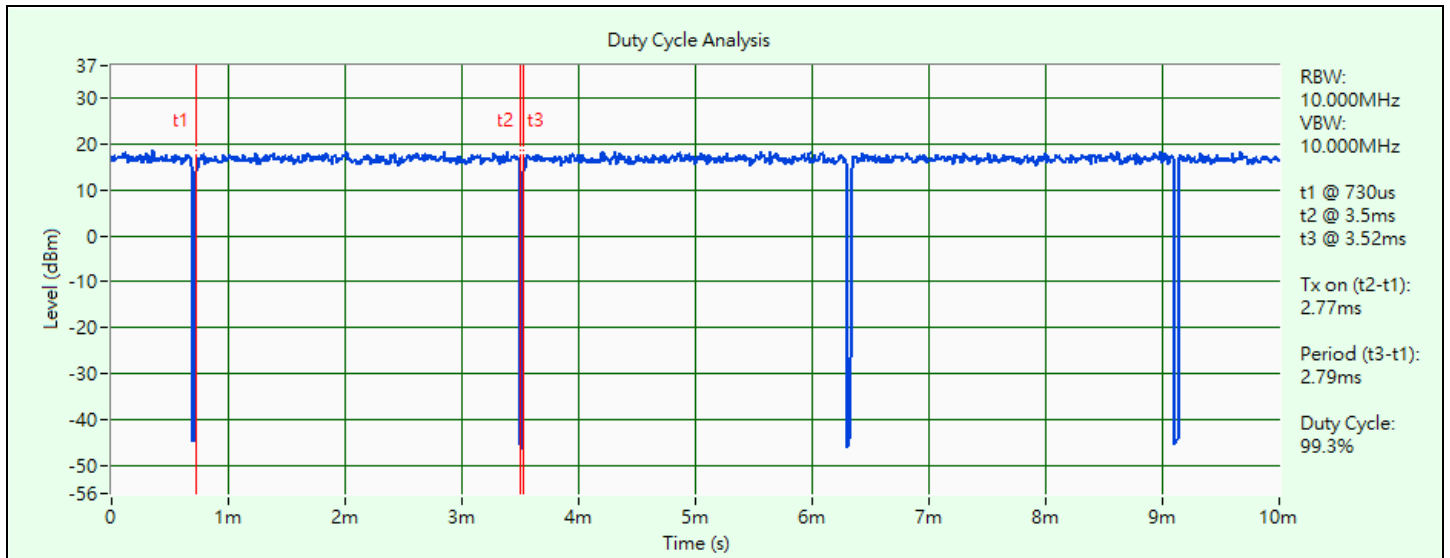
3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = 2.77 ms / 2.79 ms x 100% = 99.3%

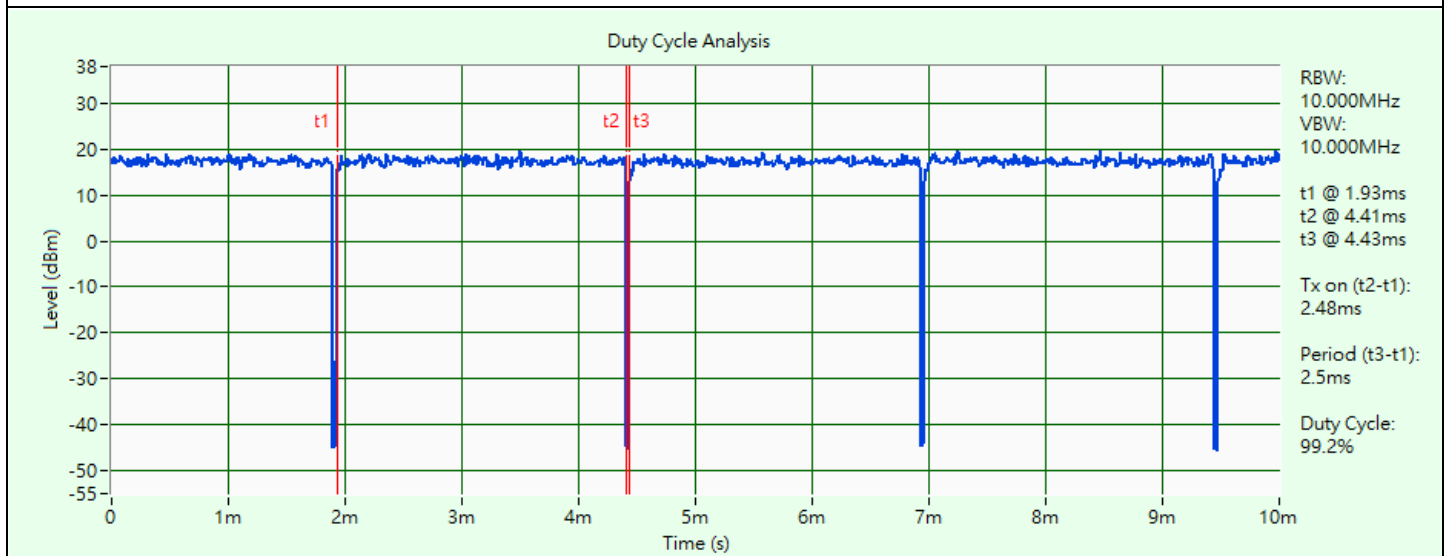
802.11ac (VHT20): Duty cycle = 2.48 ms / 2.5 ms x 100% = 99.2%

802.11ac (VHT40): Duty cycle = 2.49 ms / 2.51 ms x 100% = 99.2%

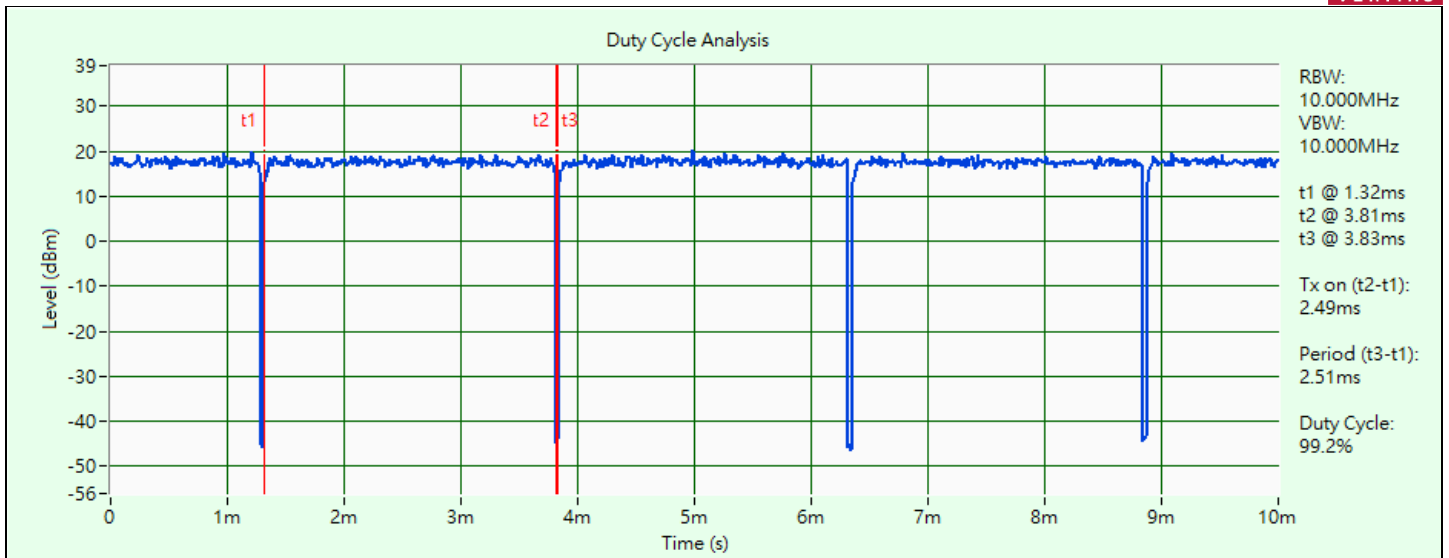
802.11ac (VHT80): Duty cycle = 2.3 ms / 2.32 ms x 100% = 99.1%



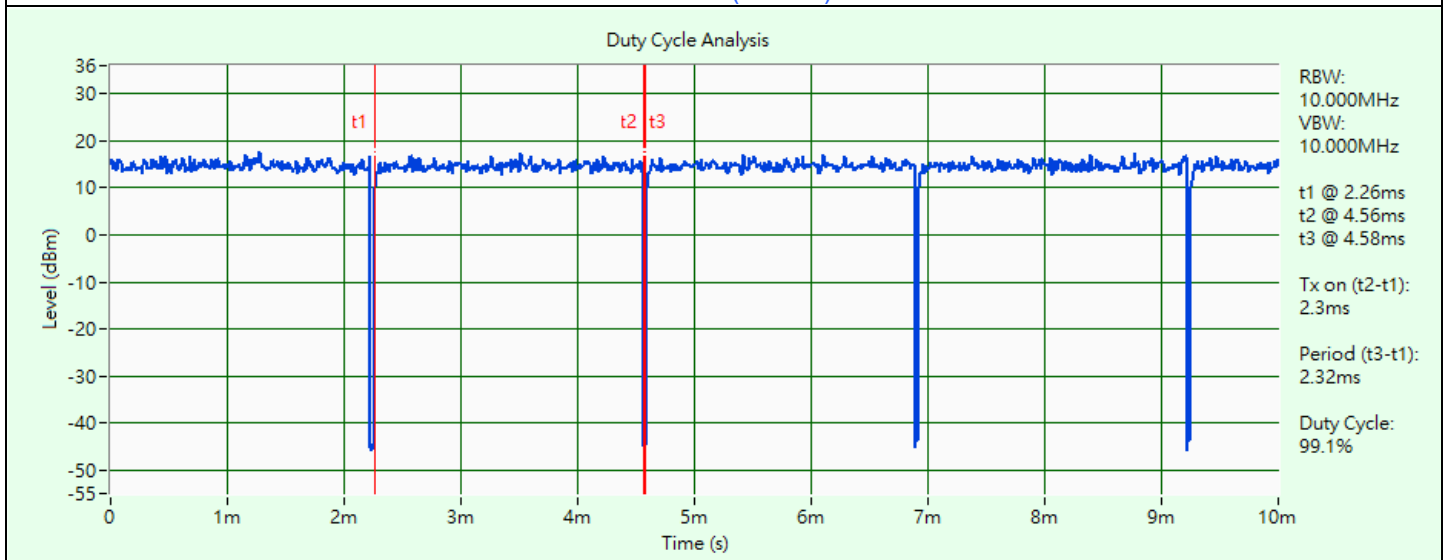
802.11a



802.11ac (VHT20)



802.11ac (VHT40)



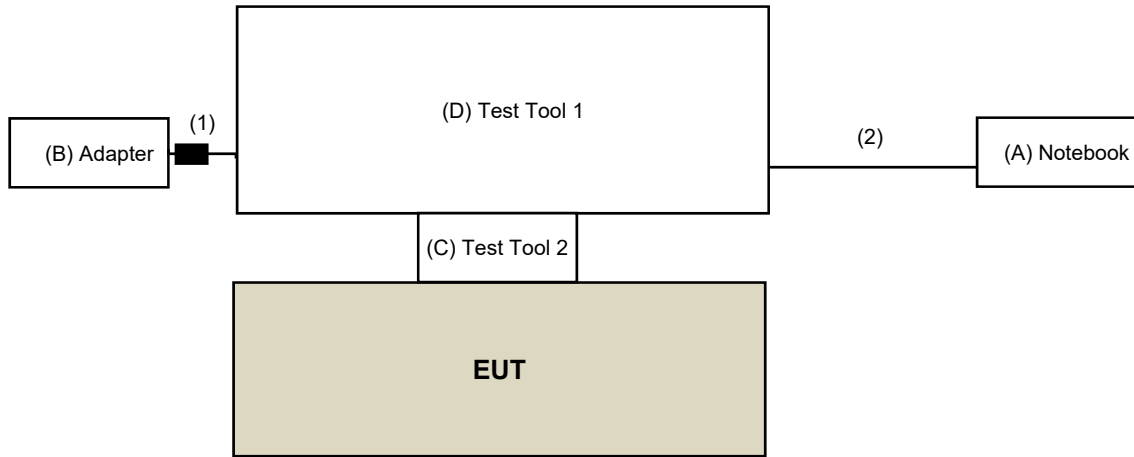
802.11ac (VHT80)

3.6 Test Program Used and Operation Descriptions

Controlling software QA 0.0.2.6 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

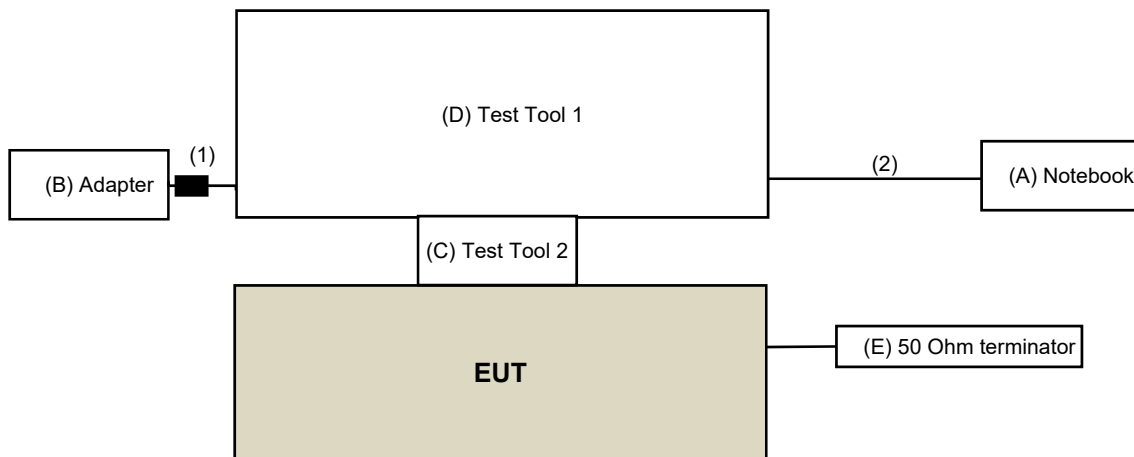
Mode C



Under Table

Remote Site

Mode B



Under Table

Remote Site

3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Notebook	DELL	Inspiron 14R	8LRKKW1	N/A	Provided by Lab
B	Adapter	CUI INC	SW112-5-N	N/A	N/A	Supplied by applicant
C	Test Tool 1	MediaTek Inc	N/A	N/A	N/A	Supplied by applicant
D	Test Tool 2	MediaTek Inc	N/A	N/A	N/A	Supplied by applicant
E	50 Ohm terminator	WOKEN	WTER-18S2	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC cable	1	1.5	No	1	Supplied by applicant Attached on the adapter
2	USB cable	1	1.8	Yes	0	Supplied by applicant

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/12/15 ~ 2024/1/7

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Peak Power Analyzer Keysight	8990B	MY51000485	2023/1/19	2024/1/18
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Wideband Power Sensor Keysight	N1923A	MY58020002	2023/1/18	2024/1/17
		MY58140009	2023/1/18	2024/1/17

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/12/15 ~ 2024/1/7

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
3-channel DC power supply JIN YIH Technology	ODP3033	ODP30332128138	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2023/7/6	2024/7/5
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber Terchy	HRM-120RF	931022	2022/12/27 2023/12/19	2023/12/26 2024/12/18

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/12/15 ~ 2024/1/7

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance HUBER+SUHNER	E1-011276	01	2023/02/01	2024/01/31
	E1-011312	10	2023/01/30	2024/01/29
	E1-011591	17	2023/02/01	2024/01/31
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2023/11/07	2024/11/06
EMI Test Receiver R&S	ESCS 30	100288	2023/01/03	2024/01/02
Fixed Attenuator SGH	BNC10W10dB	PAD-COND2-01	2023/09/02	2024/09/01
LISN R&S	ESH2-Z5	100100	2023/03/07	2024/03/06
	ESH3-Z5	100312	2023/09/12	2024/09/11
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2023/09/02	2024/09/01
Software BVADT	BVADT_Cond_ V7.3.7.4	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2023/08/31	2024/08/30

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2023/12/14

4.8 Unwanted Emissions below 1 GHz

Mode A

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSW43	101866	2023/1/10	2024/1/9
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/12/4

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-472	2023/10/16	2024/10/15
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/01/03	2024/01/02
Loop Antenna Electro-Metrics	EM-6879	269	2023/09/23	2024/09/22
Loop Antenna TESEQ	HLA 6121	45745	2023/08/08	2024/08/07
MXE EMI Receiver Keysight	N9038A	MY55420137	2023/05/03	2024/05/02
Preamplifier EMCI	EMC 330H	980112	2023/09/27	2024/09/26
	EMC001340	980201	2023/09/27	2024/09/26
RF Coaxial Cable EMCI	5D-NM-BM	140903+140902	2023/01/07	2024/01/06
RF Coaxial Cable Woken	8D-FB	Cable-Ch10-01	2023/09/27	2024/09/26
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MG-7802	N/A	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2023/12/13

4.9 Unwanted Emissions above 1 GHz

Mode A

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSW43	101866	2023/1/10	2024/1/9
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/11/29 ~ 2023/12/18

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	7	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/01/03	2024/01/02
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-969	2023/11/12	2024/11/11
	BBHA 9170	148	2023/11/12	2024/11/11
MXE EMI Receiver Keysight	N9038A	MY55420137	2023/05/03	2024/05/02
Notch Filter Micro-Tronics	BRM17690	004	2023/01/11	2024/01/10
	BRM50716	060	2023/01/11	2024/01/10
Preamplifier EMCI	EMC 012645	980115	2023/09/27	2024/09/26
	EMC 184045	980116	2023/09/27	2024/09/26
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2023/07/08	2024/07/07
	EMC102-KM-KM-3000	150929	2023/07/08	2024/07/07
	EMC104-SM-SM- 8000+3000	171005	2023/09/27	2024/09/26
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	EMC104-SM-SM- 1000(140807)	2023/09/27	2024/09/26
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MG-7802	N/A	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2023/12/14 ~ 2023/12/15

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 \leq 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

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)

For transmitters operating in the 5.25-5.35 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(2)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)

For transmitters operating in the 5.47-5.725 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(3)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(4)(i)	PK: -27 (dBm/MHz) ^{*1}	PK: 68.2 (dBμV/m) ^{*1}
	PK: 10 (dBm/MHz) ^{*2}	PK: 105.2 (dBμV/m) ^{*2}
	PK: 15.6 (dBm/MHz) ^{*3}	PK: 110.8 (dBμV/m) ^{*3}
	PK: 27 (dBm/MHz) ^{*4}	PK: 122.2 (dBμV/m) ^{*4}

^{*1} beyond 75 MHz or more above of the band edge.

^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

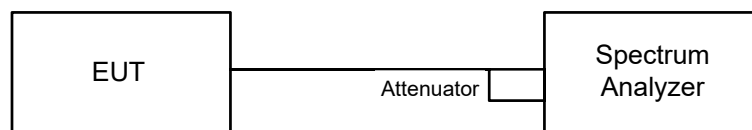
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

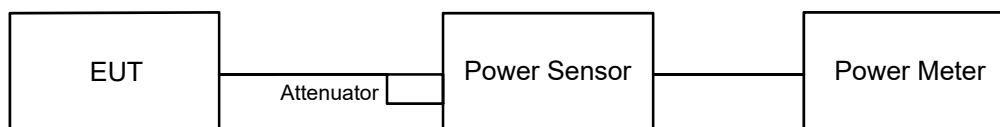


6.1.2 Test Procedure

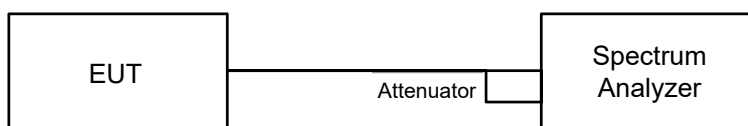
- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

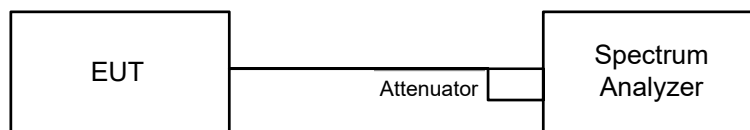
Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
- Sweep points ≥ $[2 \times \text{span} / \text{RBW}]$. (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”.
- Trace average at least 100 traces in power averaging mode.
- Record the max value

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz, Set VBW \geq 3 MHz, Detector = RMS
- Sweep points \geq $[2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing \leq RBW / 2, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value

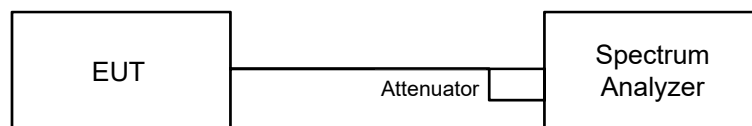
For specified measurement bandwidth 500 kHz:

Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz, Set VBW \geq 1 MHz, Detector = RMS
- 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 $\text{BWCF} = 10\log(500 \text{ kHz}/300 \text{ kHz})$
- Sweep points \geq $[2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing \leq RBW / 2, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value

6.4 6 dB Bandwidth

6.4.1 Test Setup

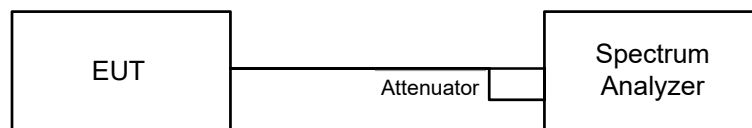


6.4.2 Test Procedure

- Set resolution bandwidth (RBW) = 100 kHz.
- Set the video bandwidth (VBW) \geq 3 x RBW, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- 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

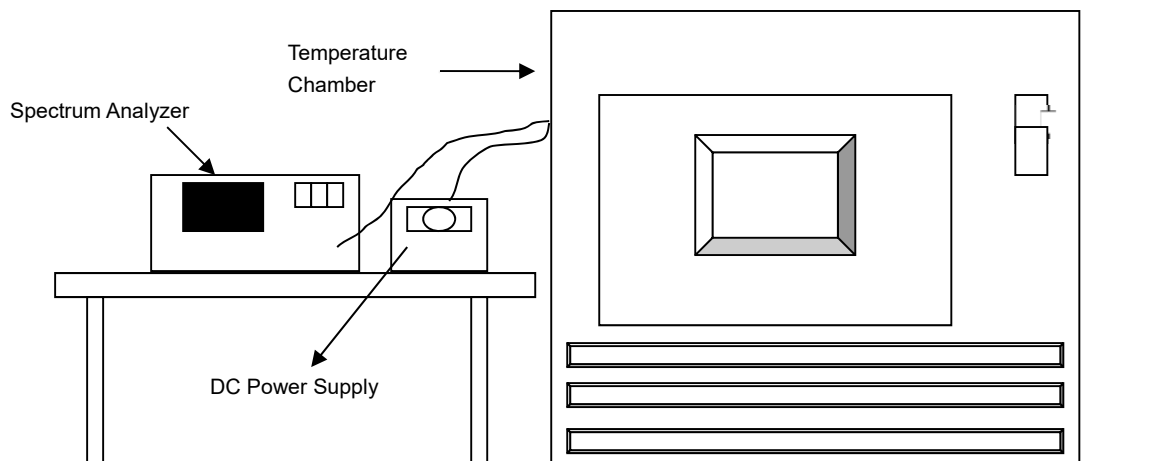


6.5.2 Test Procedure

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

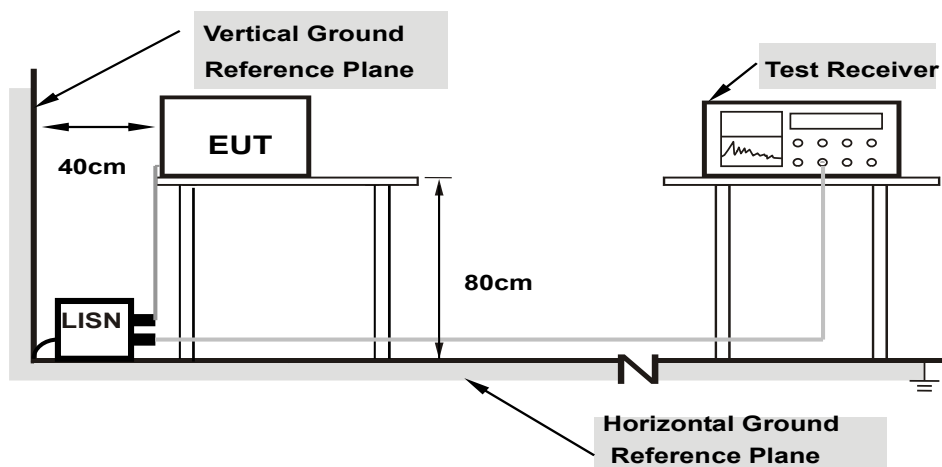


6.6.2 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- 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.
- Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.
- 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

- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

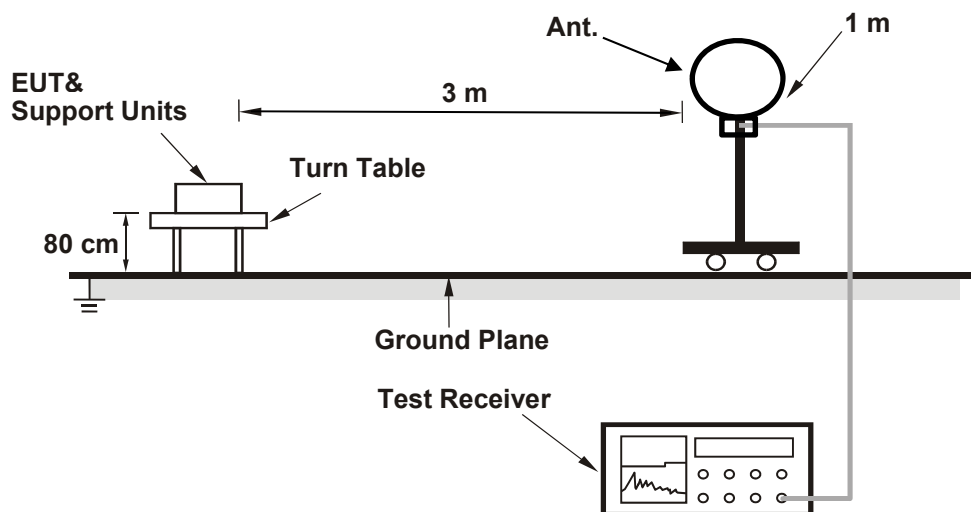
Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

6.8 Unwanted Emissions below 1 GHz

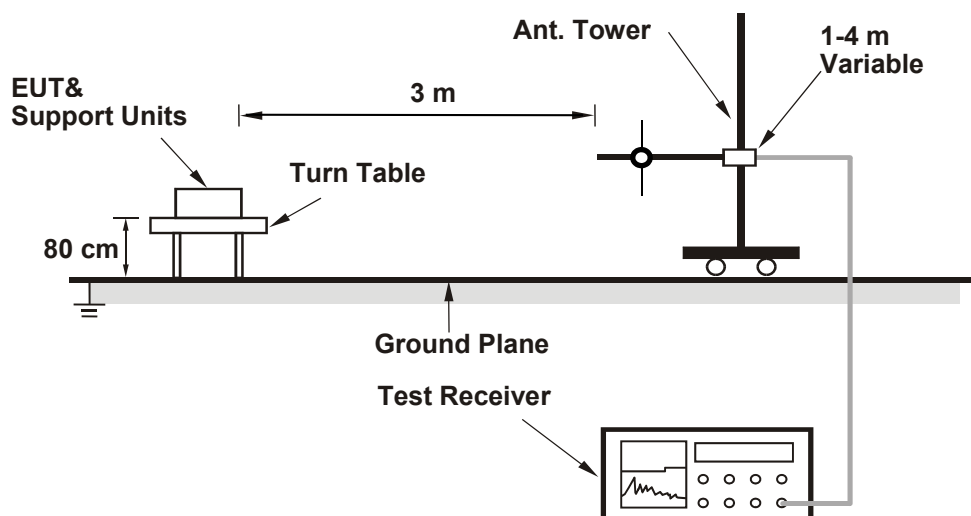
6.8.1 Test Setup

For Radiated Configuration:

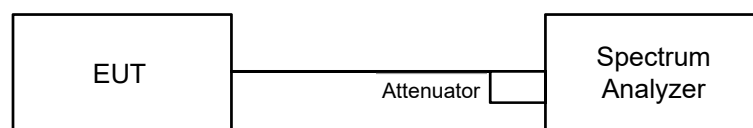
For Radiated emission below 30 MHz



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.

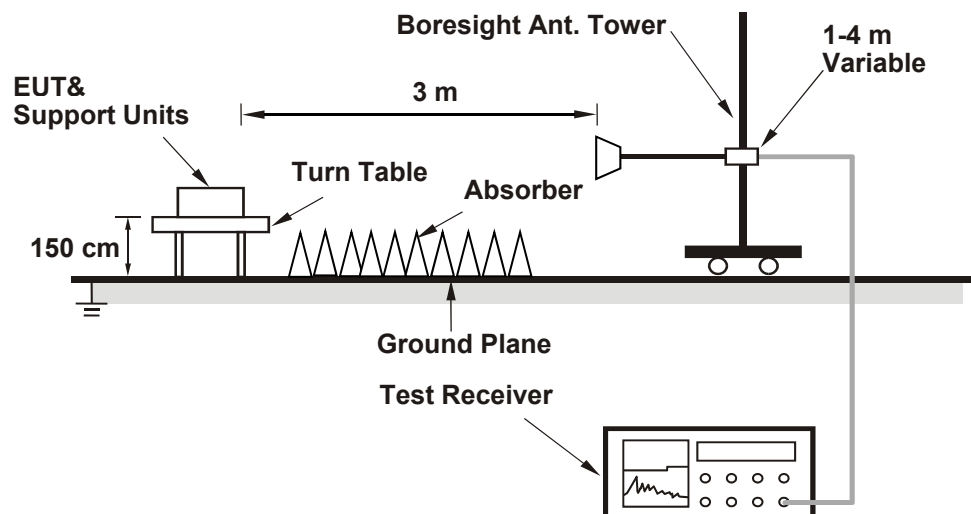
Notes:

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.

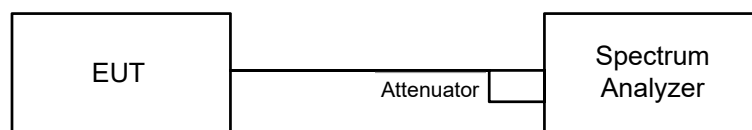
6.9 Unwanted Emissions above 1 GHz

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

Radiated versus Conducted Measurement

For Radiated measurement:

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

For Conducted measurement:

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

For Verified radiated measurement:

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

Conducted Unwanted Emission Convert Formula

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

d = measurement distance in 3 meters.

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

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

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

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

Note:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Chris Lin/ Matthew Yang
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1TX

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	20.61
60	5300	20.37
64	5320	20.44
100	5500	20.43
116	5580	20.37
140	5700	20.37
144 (U-NII-2C)	5720	15.32
144 (U-NII-3)	5720	5.28

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	20.61	24.14 > 24
60	5300	20.37	24.08 > 24
64	5320	20.44	24.1 > 24
100	5500	20.43	24.1 > 24
116	5580	20.37	24.08 > 24
140	5700	20.37	24.08 > 24
144 (U-NII-2C)	5720	15.32	22.85 < 24

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

802.11ac (VHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	20.61
60	5300	20.64
64	5320	20.59
100	5500	20.56
116	5580	20.56
140	5700	20.65
144 (U-NII-2C)	5720	15.43
144 (U-NII-3)	5720	5.5

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	20.61	24.14 > 24
60	5300	20.64	24.14 > 24
64	5320	20.59	24.13 > 24
100	5500	20.56	24.13 > 24
116	5580	20.56	24.13 > 24
140	5700	20.65	24.14 > 24
144 (U-NII-2C)	5720	15.43	22.88 < 24

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

802.11ac (VHT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
54	5270	41.21
62	5310	40.97
102	5510	40.9
110	5550	40.88
134	5670	41.02
142 (U-NII-2C)	5710	35.61
142 (U-NII-3)	5710	5.89

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	41.21	27.15 > 24
62	5310	40.97	27.12 > 24
102	5510	40.90	27.11 > 24
110	5550	40.88	27.11 > 24
134	5670	41.02	27.12 > 24
142 (U-NII-2C)	5710	35.61	26.51 > 24

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

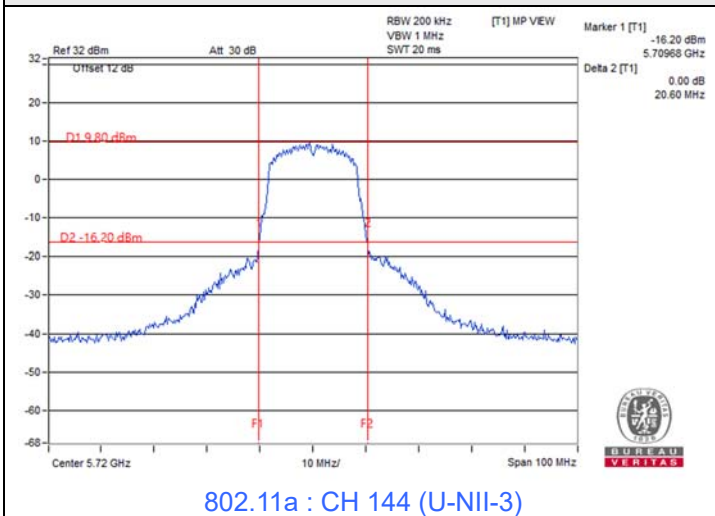
802.11ac (VHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
58	5290	81.76
106	5530	81.74
122	5610	81.88
138 (U-NII-2C)	5690	76.04
138 (U-NII-3)	5690	8.43

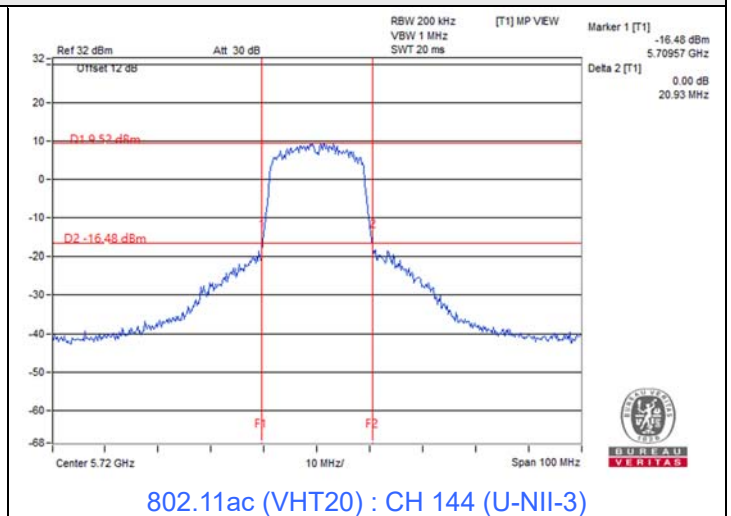
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	81.76	30.12 > 24
106	5530	81.74	30.12 > 24
122	5610	81.88	30.13 > 24
138 (U-NII-2C)	5690	76.04	29.81 > 24

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

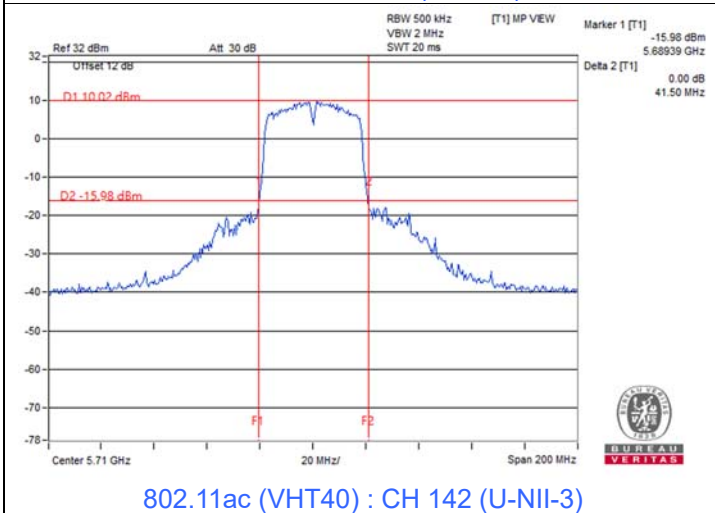
Spectrum Plot of Minimum Value



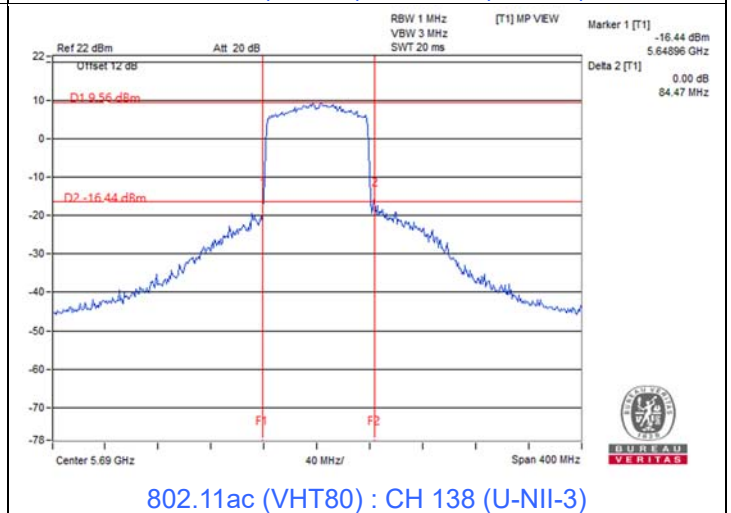
802.11a : CH 144 (U-NII-3)



802.11ac (VHT20) : CH 144 (U-NII-3)



802.11ac (VHT40) : CH 142 (U-NII-3)



802.11ac (VHT80) : CH 138 (U-NII-3)

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

2TX

802.11ac (VHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.64	20.82
60	5300	20.87	20.82
64	5320	20.66	20.72
100	5500	20.77	20.74
116	5580	20.74	20.86
140	5700	20.80	20.72
144 (U-NII-2C)	5720	15.57	15.42
144 (U-NII-3)	5720	5.46	5.33

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	20.64	24.14 > 24
60	5300	20.82	24.18 > 24
64	5320	20.66	24.15 > 24
100	5500	20.74	24.16 > 24
116	5580	20.74	24.16 > 24
140	5700	20.72	24.16 > 24
144 (U-NII-2C)	5720	15.42	22.88 < 24

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

802.11ac (VHT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	41.53	41.74
62	5310	41.54	41.55
102	5510	41.31	41.31
110	5550	41.88	41.55
134	5670	41.46	41.59
142 (U-NII-2C)	5710	35.94	35.94
142 (U-NII-3)	5710	5.78	5.68

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	41.53	27.18 > 24
62	5310	41.54	27.18 > 24
102	5510	41.31	27.16 > 24
110	5550	41.55	27.18 > 24
134	5670	41.46	27.17 > 24
142 (U-NII-2C)	5710	35.94	26.55 > 24

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

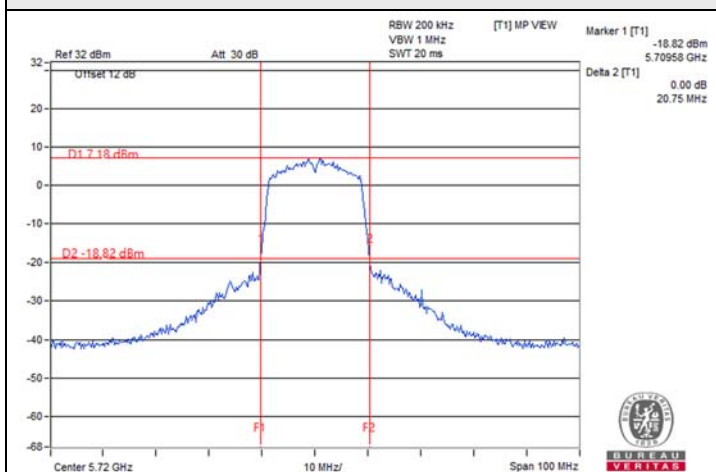
802.11ac (VHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	82.29	82.25
106	5530	82.48	82.18
122	5610	82.25	82.33
138 (U-NII-2C)	5690	76.15	76.26
138 (U-NII-3)	5690	6.02	6.25

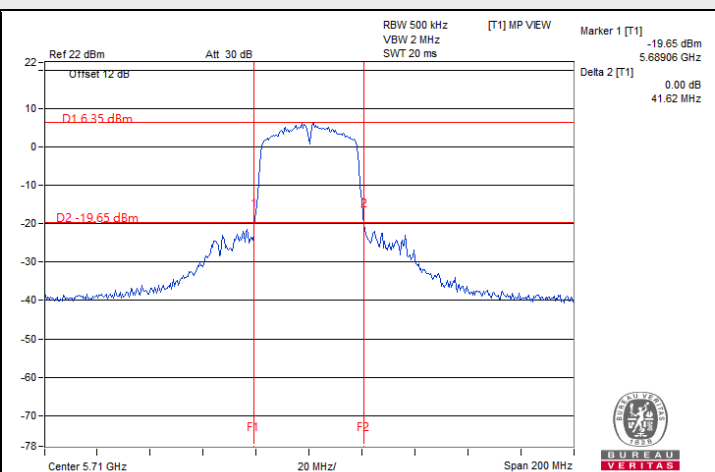
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	82.25	30.15 > 24
106	5530	82.18	30.14 > 24
122	5610	82.25	30.15 > 24
138 (U-NII-2C)	5690	76.15	29.81 > 24

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

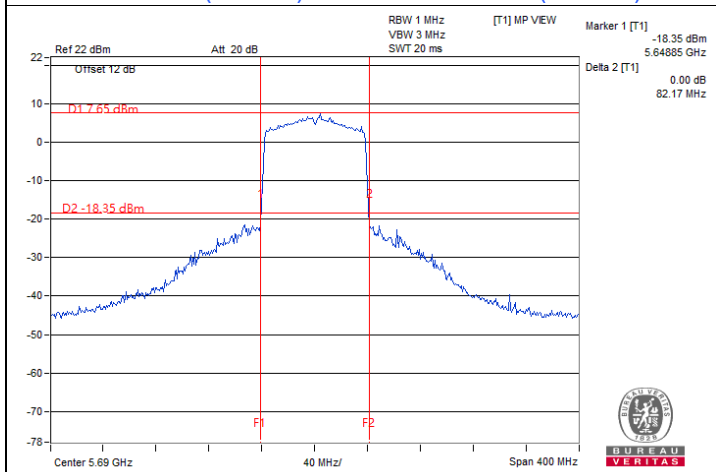
Spectrum Plot of Minimum Value



802.11ac (VHT20) / Chain 1 : CH 144 (U-NII-3)



802.11ac (VHT40) / Chain 1 : CH 142 (U-NII-3)



802.11ac (VHT80) / Chain 0 : CH 138 (U-NII-3)

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

7.2 RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Chris Lin/ Matthew Yang
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1TX

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	42.756	16.31	24	Pass
40	5200	41.305	16.16	24	Pass
48	5240	43.351	16.37	24	Pass
52	5260	42.954	16.33	24	Pass
60	5300	42.756	16.31	24	Pass
64	5320	40.926	16.12	24	Pass
100	5500	42.073	16.24	24	Pass
116	5580	41.115	16.14	24	Pass
140	5700	23.121	13.64	24	Pass
*144 (U-NII-2C)	5720	35.81	15.54	22.85	Pass
*144 (U-NII-3)	5720	6.166	7.90	30	Pass
149	5745	42.855	16.32	30	Pass
157	5785	42.17	16.25	30	Pass
165	5825	41.591	16.19	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is 5.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 5.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 5.4 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	43.351	16.37	24	Pass
40	5200	41.879	16.22	24	Pass
48	5240	42.756	16.31	24	Pass
52	5260	43.152	16.35	24	Pass
60	5300	43.551	16.39	24	Pass
64	5320	43.652	16.40	24	Pass
100	5500	44.055	16.44	24	Pass
116	5580	42.56	16.29	24	Pass
140	5700	21.577	13.34	24	Pass
*144 (U-NII-2C)	5720	36.728	15.65	22.88	Pass
*144 (U-NII-3)	5720	6.95	8.42	30	Pass
149	5745	42.364	16.27	30	Pass
157	5785	41.591	16.19	30	Pass
165	5825	41.495	16.18	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. For U-NII-1, the antenna gain is 5.4 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the antenna gain is 5.5 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the antenna gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the antenna gain is 5.4 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
38	5190	43.251	16.36	24	Pass
46	5230	43.451	16.38	24	Pass
54	5270	43.853	16.42	24	Pass
62	5310	43.152	16.35	24	Pass
102	5510	36.141	15.58	24	Pass
110	5550	43.451	16.38	24	Pass
134	5670	33.497	15.25	24	Pass
*142 (U-NII-2C)	5710	41.02	16.13	24	Pass
*142 (U-NII-3)	5710	2.618	4.18	30	Pass
151	5755	41.4	16.17	30	Pass
159	5795	40.832	16.11	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is 5.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 5.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 5.4 dBi < 6 dBi, so the output power limit shall not be reduced.

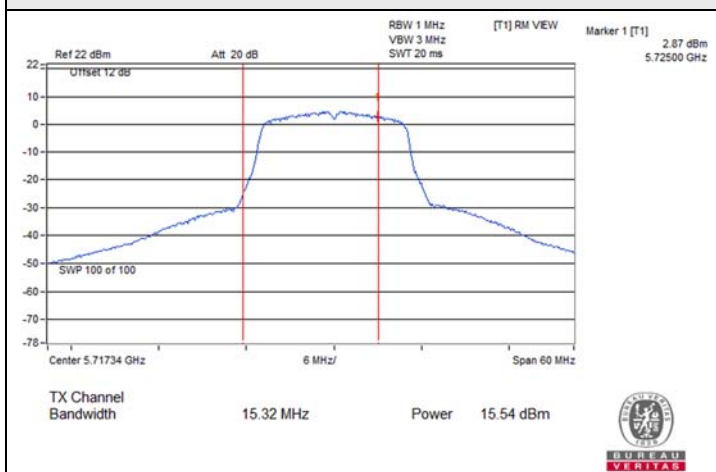
802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
42	5210	26.977	14.31	24	Pass
58	5290	36.392	15.61	24	Pass
106	5530	24.66	13.92	24	Pass
122	5610	42.56	16.29	24	Pass
*138 (U-NII-2C)	5690	42.756	16.31	24	Pass
*138 (U-NII-3)	5690	1.276	1.06	30	Pass
155	5775	41.02	16.13	30	Pass

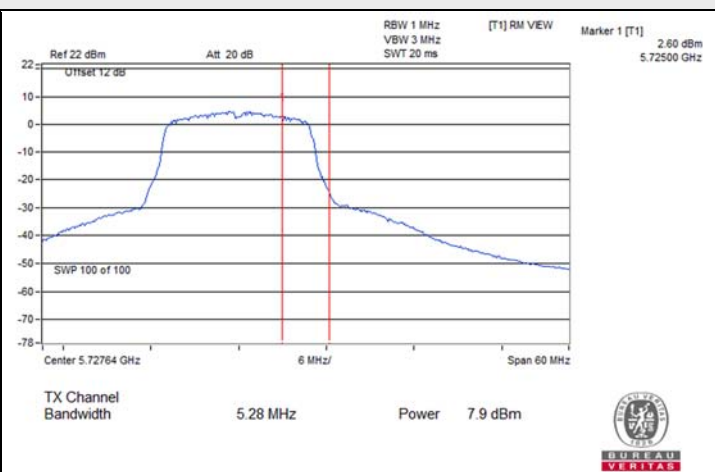
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is 5.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 5.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 5.4 dBi < 6 dBi, so the output power limit shall not be reduced.

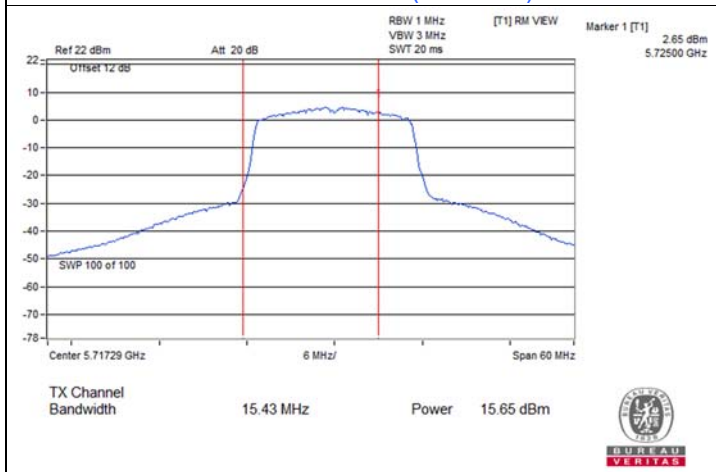
Spectrum Plot for channel straddling



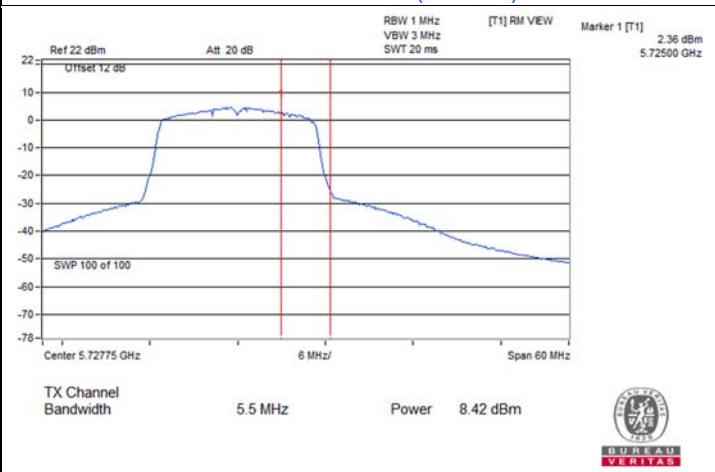
802.11a : CH 144 (U-NII-2C)



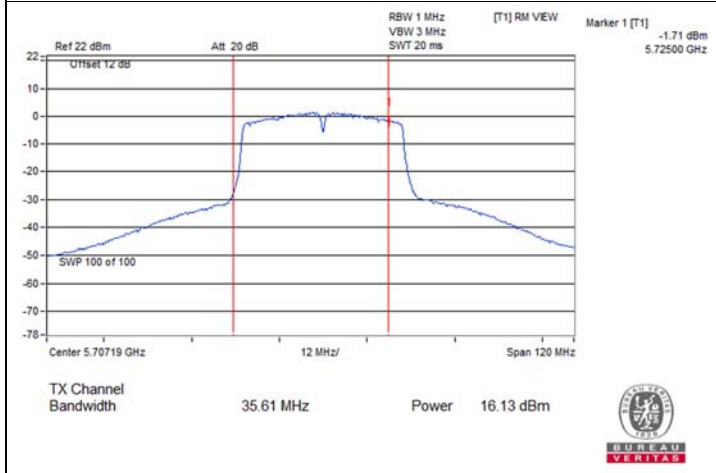
802.11a : CH 144 (U-NII-3)



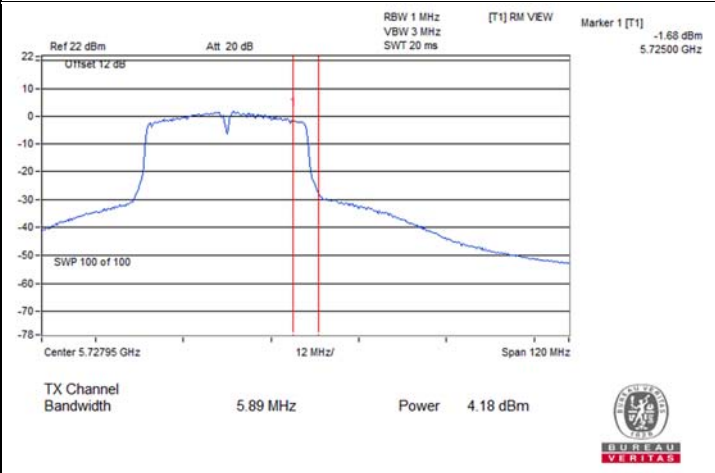
802.11ac (VHT20) : CH 144 (U-NII-2C)



802.11ac (VHT20) : CH 144 (U-NII-3)



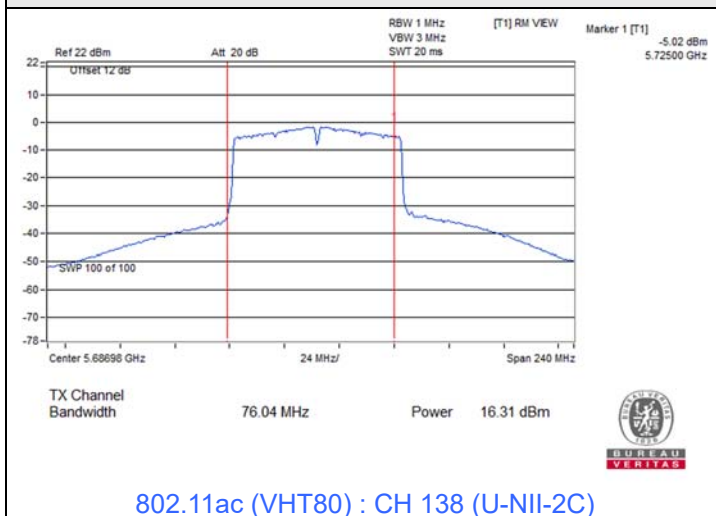
802.11ac (VHT40) : CH 142 (U-NII-2C)



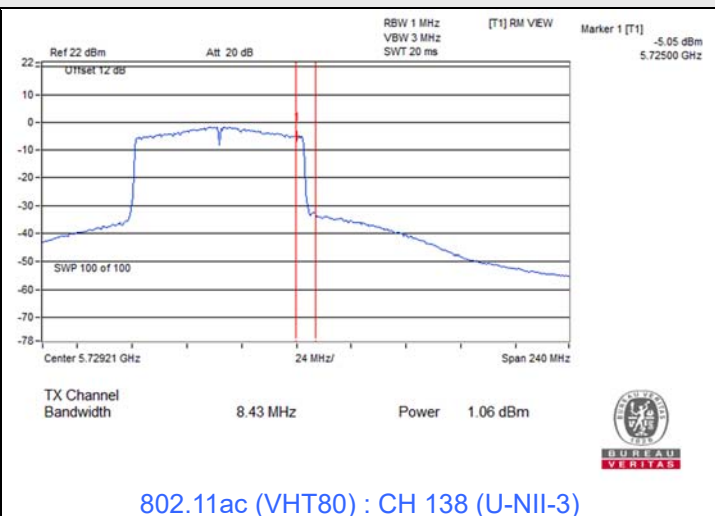
802.11ac (VHT40) : CH 142 (U-NII-3)



Spectrum Plot for channel straddling



802.11ac (VHT80) : CH 138 (U-NII-2C)



802.11ac (VHT80) : CH 138 (U-NII-3)

2TX

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	16.34	16.67	89.504	19.52	24	Pass
40	5200	16.46	16.92	93.463	19.71	24	Pass
48	5240	16.36	16.77	90.785	19.58	24	Pass
52	5260	16.16	16.78	88.948	19.49	24	Pass
60	5300	16.11	16.80	88.695	19.48	24	Pass
64	5320	16.24	16.82	90.157	19.55	24	Pass
100	5500	15.85	16.78	86.102	19.35	24	Pass
116	5580	16.29	16.85	90.977	19.59	24	Pass
140	5700	12.04	12.98	35.857	15.55	24	Pass
*144 (U-NII-2C)	5720	13.45	13.44	44.211	16.46	22.88	Pass
*144 (U-NII-3)	5720	6.27	6.22	8.424	9.26	30	Pass
149	5745	16.23	16.90	90.954	19.59	30	Pass
157	5785	16.27	16.95	91.909	19.63	30	Pass
165	5825	16.09	16.88	89.397	19.51	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = $10 \log[(10^{\text{Chain0}/10} + 10^{\text{Chain1}/10}) / 2]$
- For U-NII-1, the directional gain is 5.09 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.3 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.2 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	15.34	15.67	71.096	18.52	24	Pass
46	5230	16.29	16.49	87.125	19.40	24	Pass
54	5270	16.43	16.50	88.623	19.48	24	Pass
62	5310	15.88	16.24	80.798	19.07	24	Pass
102	5510	14.89	15.44	65.826	18.18	24	Pass
110	5550	16.04	16.54	85.261	19.31	24	Pass
134	5670	15.04	15.89	70.73	18.50	24	Pass
*142 (U-NII-2C)	5710	14.04	13.80	49.34	16.93	24	Pass
*142 (U-NII-3)	5710	1.84	1.66	2.993	4.76	30	Pass
151	5755	16.31	16.97	92.53	19.66	30	Pass
159	5795	16.28	16.92	91.666	19.62	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = $10 \log[(10^{\text{Chain0}/10} + 10^{\text{Chain1}/10}) / 2]$
- For U-NII-1, the directional gain is 5.09 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.3 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.2 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT80)

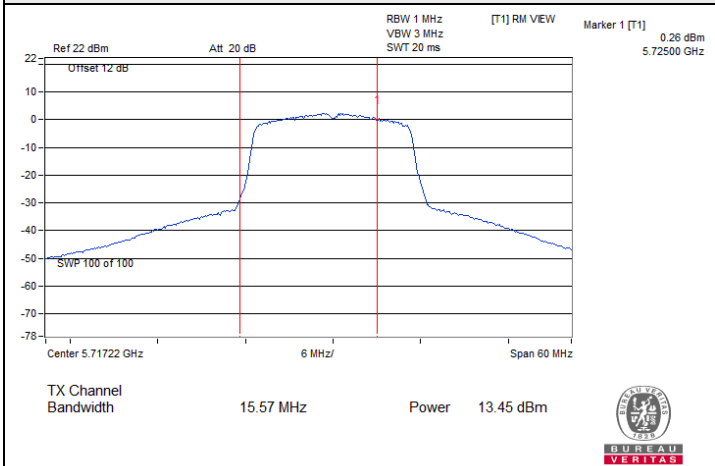
Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	12.88	12.98	39.27	15.94	24	Pass
58	5290	13.33	13.42	43.506	16.39	24	Pass
106	5530	12.47	13.02	37.705	15.76	24	Pass
122	5610	16.27	16.92	91.568	19.62	24	Pass
*138 (U-NII-2C)	5690	13.96	13.72	48.439	16.85	24	Pass
*138 (U-NII-3)	5690	-1.40	-1.66	1.4068	1.48	30	Pass
155	5775	16.02	16.96	89.654	19.53	30	Pass

Notes:

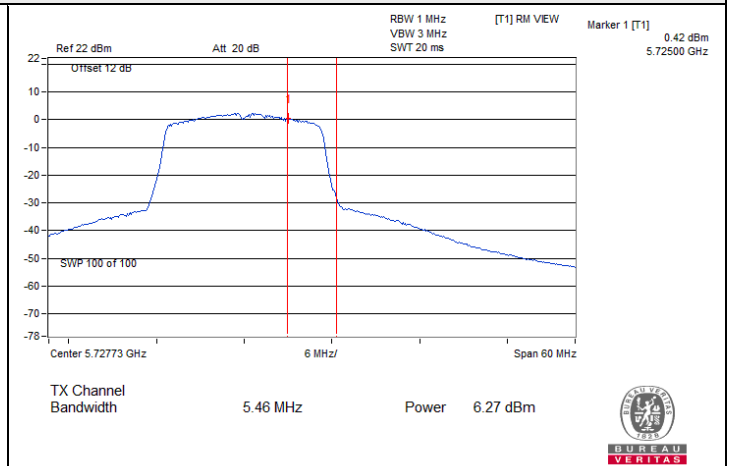
- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = $10 \log[(10^{\text{Chain0}/10} + 10^{\text{Chain1}/10}) / 2]$
- For U-NII-1, the directional gain is 5.09 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.3 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.2 dBi < 6 dBi, so the output power limit shall not be reduced.



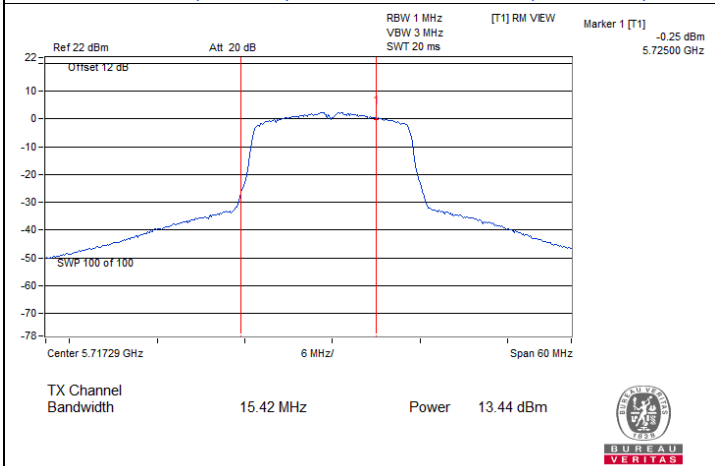
Spectrum Plot for channel straddling



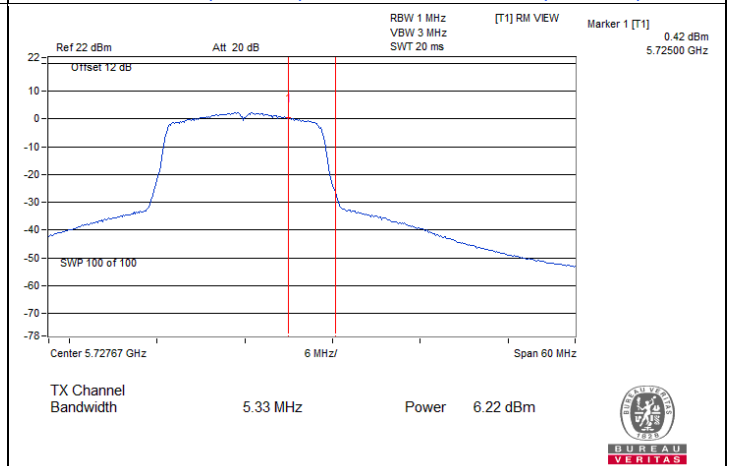
802.11ac (VHT20) / Chain 0 : CH 144 (U-NII-2C)



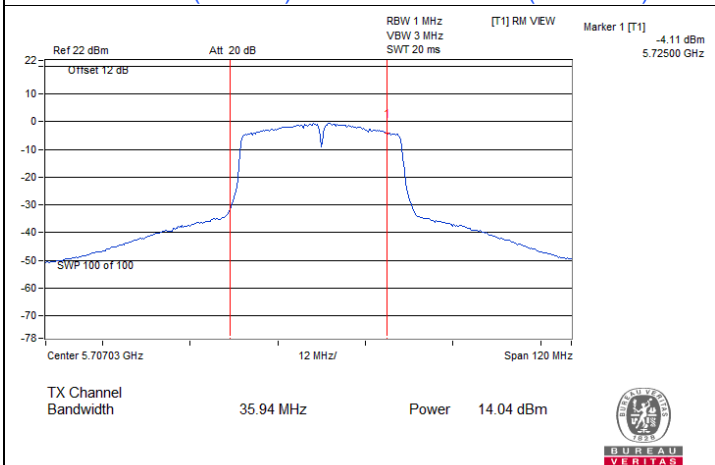
802.11ac (VHT20) / Chain 0 : CH 144 (U-NII-3)



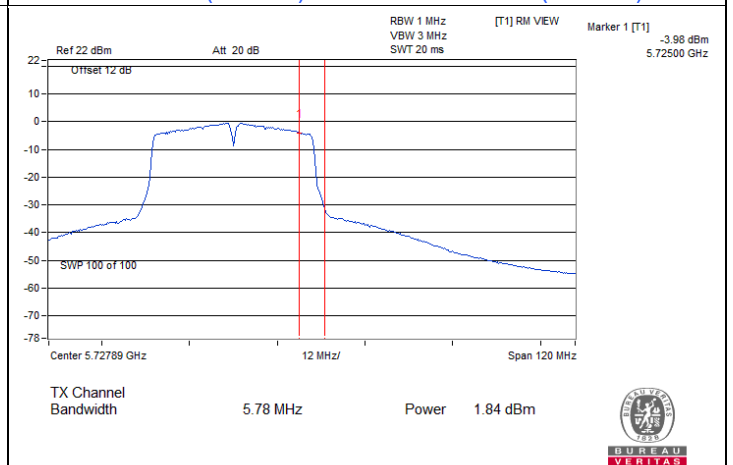
802.11ac (VHT20) / Chain 1 : CH 144 (U-NII-2C)



802.11ac (VHT20) / Chain 1 : CH 144 (U-NII-3)



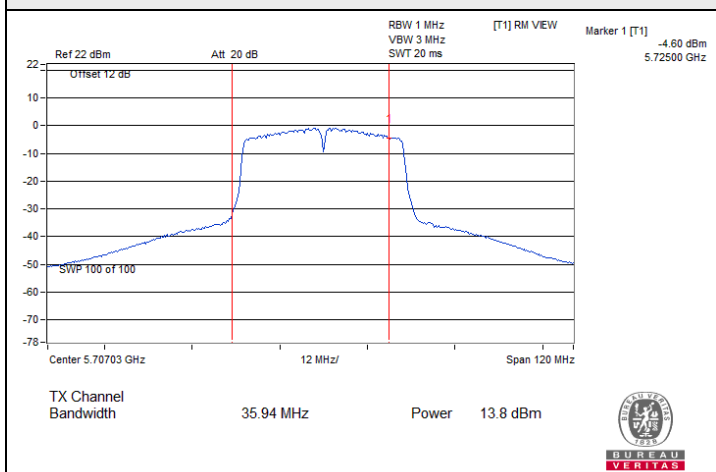
802.11ac (VHT40) / Chain 0 : CH 142 (U-NII-2C)



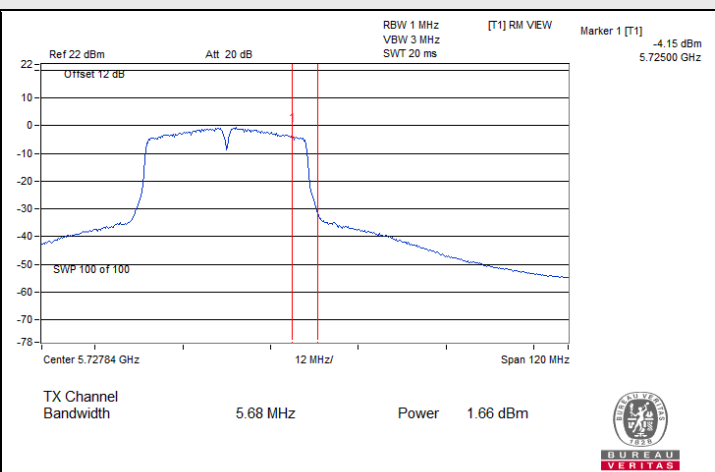
802.11ac (VHT40) / Chain 0 : CH 142 (U-NII-3)



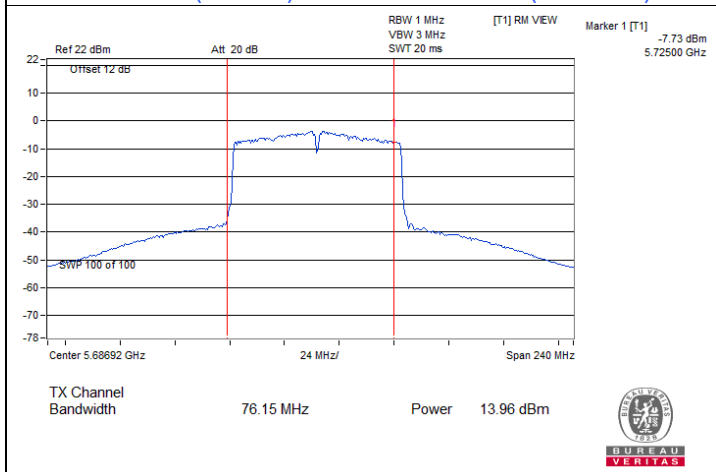
Spectrum Plot for channel straddling



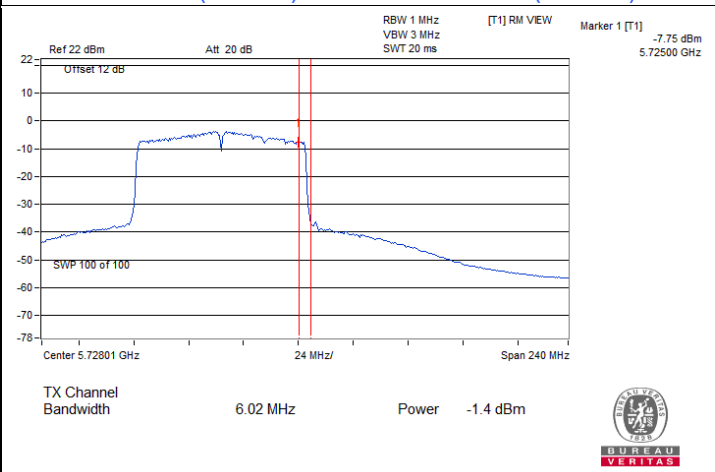
802.11ac (VHT40) / Chain 1 : CH 142 (U-NII-2C)



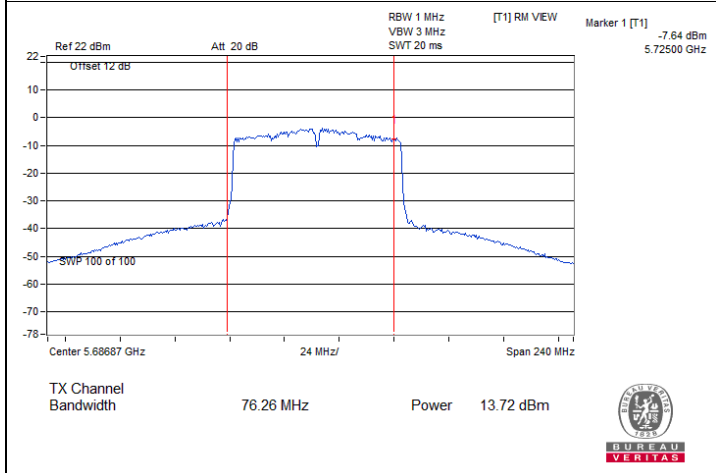
802.11ac (VHT40) / Chain 1 : CH 142 (U-NII-3)



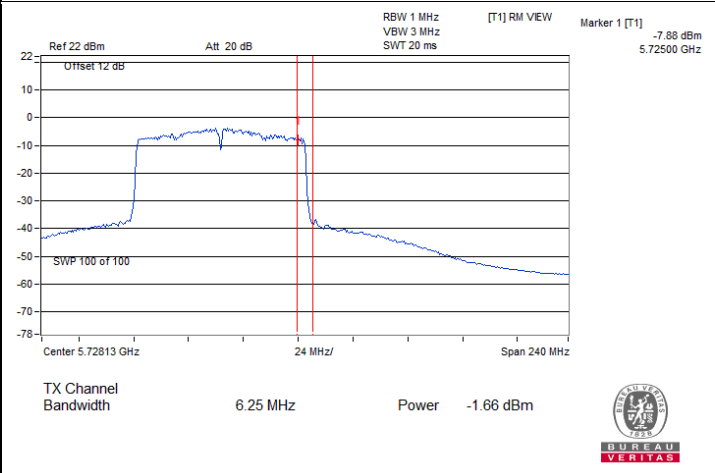
802.11ac (VHT80) / Chain 0 : CH 138 (U-NII-2C)



802.11ac (VHT80) / Chain 0 : CH 138 (U-NII-3)



802.11ac (VHT80) / Chain 1 : CH 138 (U-NII-2C)



802.11ac (VHT80) / Chain 1 : CH 138 (U-NII-3)

7.3 Power Spectral Density

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Chris Lin/ Matthew Yang
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1TX

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	3.52	11	Pass
40	5200	3.40	11	Pass
48	5240	3.58	11	Pass
52	5260	3.37	11	Pass
60	5300	3.47	11	Pass
64	5320	3.32	11	Pass
100	5500	3.40	11	Pass
116	5580	3.37	11	Pass
140	5700	0.78	11	Pass
144 (U-NII-2C)	5720	3.43	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 5.4 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 5.5 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 5.6 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	3.35	11	Pass
40	5200	3.28	11	Pass
48	5240	3.30	11	Pass
52	5260	3.29	11	Pass
60	5300	3.37	11	Pass
64	5320	3.47	11	Pass
100	5500	3.50	11	Pass
116	5580	3.34	11	Pass
140	5700	0.34	11	Pass
144 (U-NII-2C)	5720	3.49	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 5.4 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 5.5 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 5.6 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
38	5190	0.51	11	Pass
46	5230	0.51	11	Pass
54	5270	0.41	11	Pass
62	5310	0.38	11	Pass
102	5510	-0.35	11	Pass
110	5550	0.32	11	Pass
134	5670	-0.68	11	Pass
142 (U-NII-2C)	5710	0.30	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 5.4 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 5.5 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 5.6 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
42	5210	-4.07	11	Pass
58	5290	-3.69	11	Pass
106	5530	-5.00	11	Pass
122	5610	-3.11	11	Pass
138 (U-NII-2C)	5690	-2.53	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 5.4 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 5.5 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 5.6 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-5.69	-3.47	30	Pass
149	5745	-3.71	-1.49	30	Pass
157	5785	-3.56	-1.34	30	Pass
165	5825	-3.78	-1.56	30	Pass

Note: For U-NII-3, the antenna gain is 5.4 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-5.92	-3.70	30	Pass
149	5745	-3.71	-1.49	30	Pass
157	5785	-3.66	-1.44	30	Pass
165	5825	-3.73	-1.51	30	Pass

Note: For U-NII-3, the antenna gain is 5.4 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
142 (U-NII-3)	5710	-10.89	-8.67	30	Pass
151	5755	-7.38	-5.16	30	Pass
159	5795	-7.35	-5.13	30	Pass

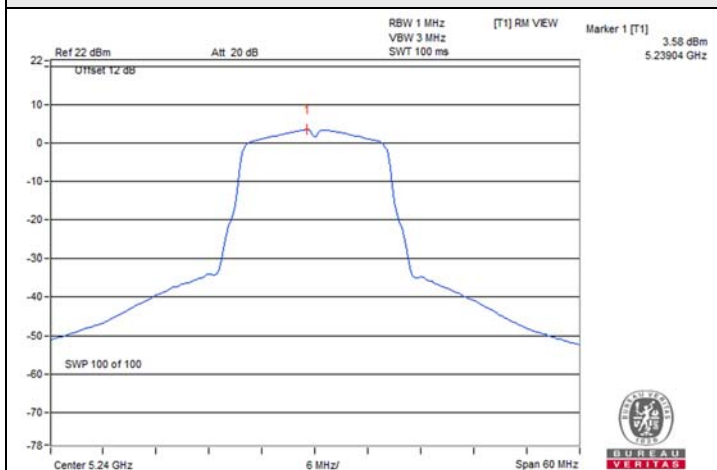
Note: For U-NII-3, the antenna gain is 5.4 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT80)

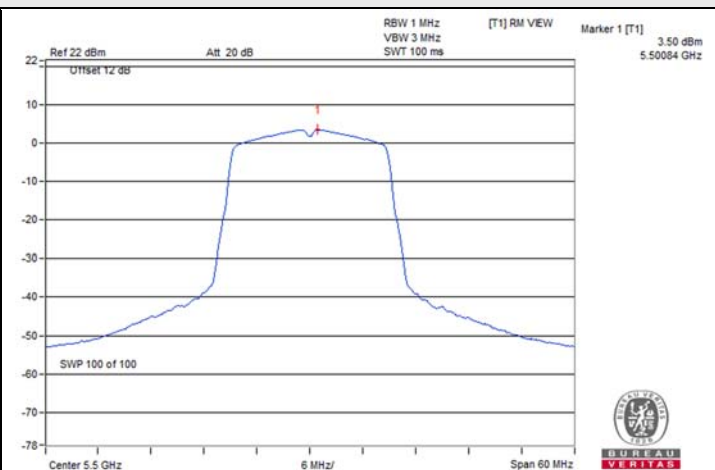
Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
138 (U-NII-3)	5690	-14.18	-11.96	30	Pass
155	5775	-10.56	-8.34	30	Pass

Note: For U-NII-3, the antenna gain is 5.4 dBi < 6 dBi, so the power density limit shall not be reduced.

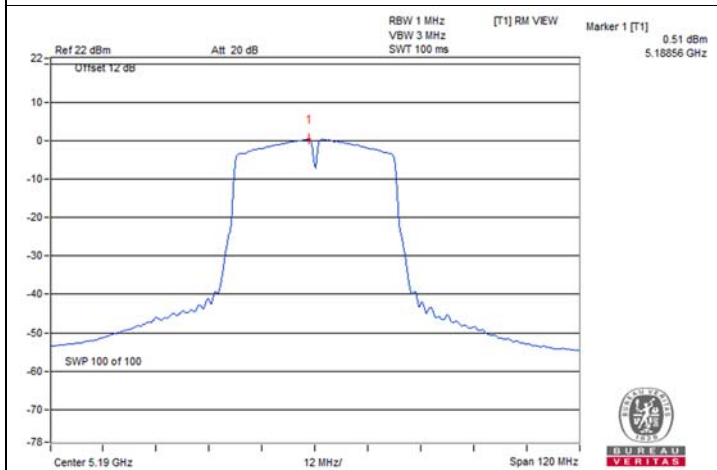
Spectrum Plot of Maximum Value



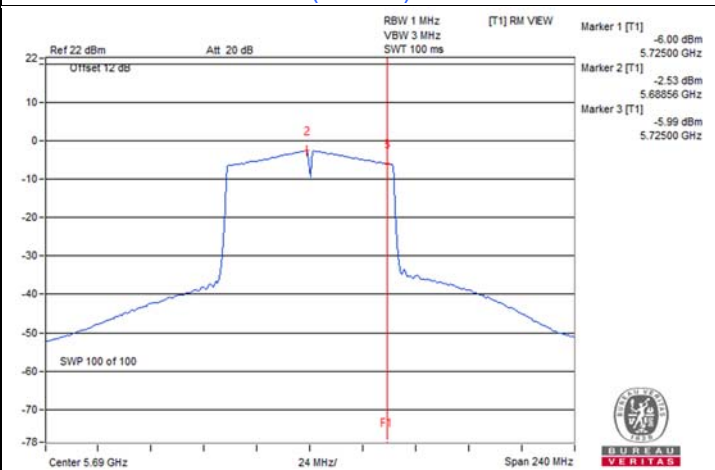
802.11a : CH 48



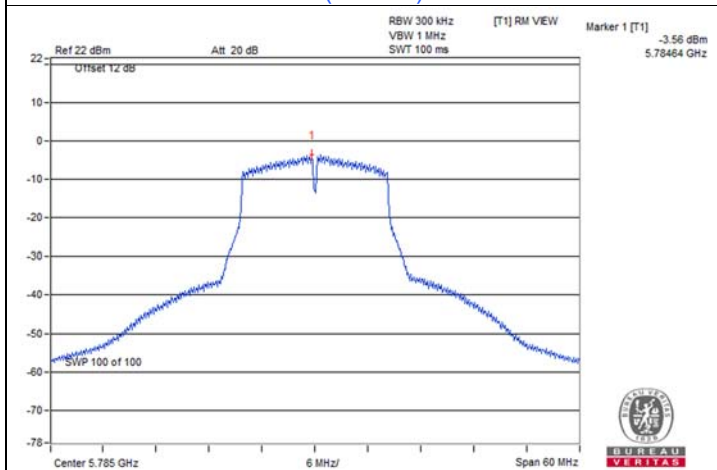
802.11ac (VHT20) : CH 100



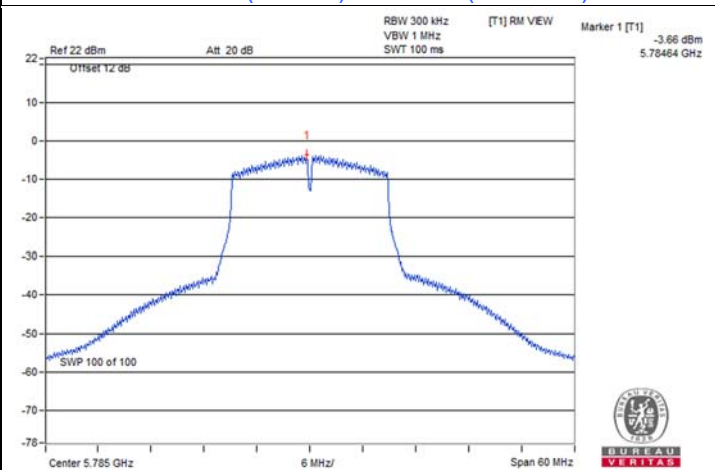
802.11ac (VHT40) : CH 38



802.11ac (VHT80) : CH 138 (U-NII-2C)

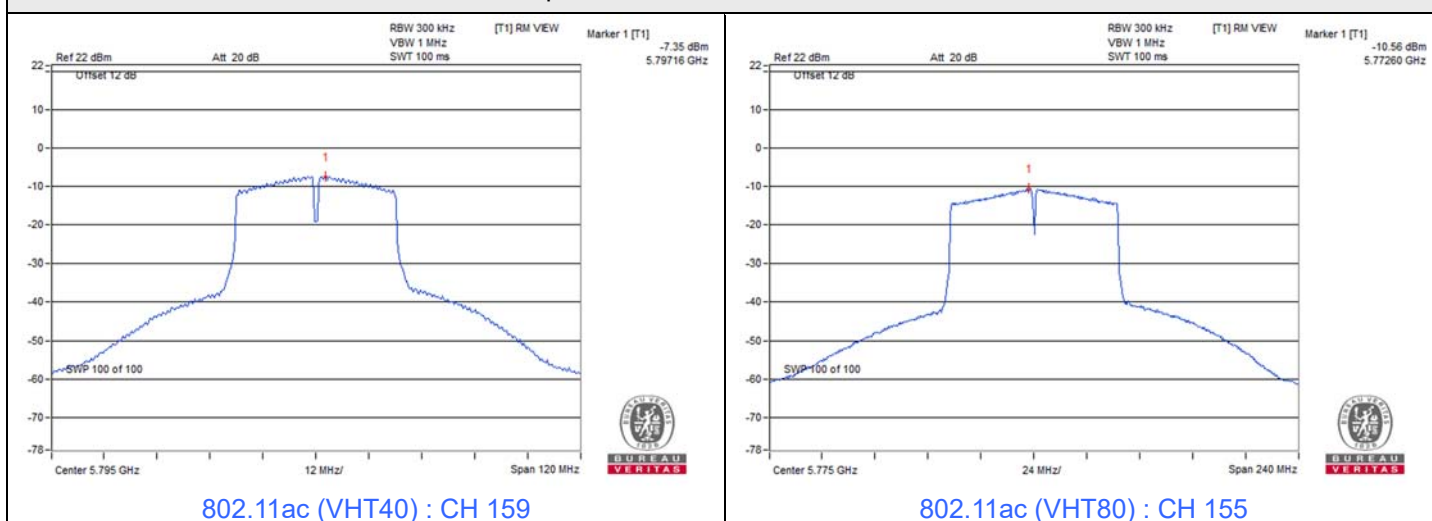


802.11a : CH 157



802.11ac (VHT20) : CH 157

Spectrum Plot of Maximum Value



2TX
802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	3.41	3.58	6.51	11	Pass
40	5200	3.52	2.99	6.27	11	Pass
48	5240	3.54	3.77	6.67	11	Pass
52	5260	3.19	3.71	6.47	11	Pass
60	5300	3.23	3.76	6.51	11	Pass
64	5320	3.28	4.02	6.68	11	Pass
100	5500	2.87	3.82	6.38	11	Pass
116	5580	3.21	3.86	6.56	11	Pass
140	5700	-0.83	0.06	2.65	11	Pass
144 (U-NII-2C)	5720	3.11	3.95	6.56	11	Pass

Notes:

- 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.
- Directional gain = $10 \log[(10^{\text{Chain0}/10} + 10^{\text{Chain1}/10}) / 2]$
- For U-NII-1, the directional gain is 5.09 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.3 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.5 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-0.71	-0.19	2.57	11	Pass
46	5230	0.26	0.46	3.37	11	Pass
54	5270	0.34	0.67	3.52	11	Pass
62	5310	-0.21	0.36	3.09	11	Pass
102	5510	-1.10	-0.54	2.20	11	Pass
110	5550	0.16	0.38	3.28	11	Pass
134	5670	-0.99	-0.06	2.51	11	Pass
142 (U-NII-2C)	5710	0.30	1.04	3.70	11	Pass

Notes:

- 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.
- Directional gain = $10 \log[(10^{\text{Chain0}/10} + 10^{\text{Chain1}/10}) / 2]$
- For U-NII-1, the directional gain is 5.09 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.3 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.5 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-5.99	-6.06	-3.01	11	Pass
58	5290	-5.60	-5.35	-2.46	11	Pass
106	5530	-6.54	-6.04	-3.27	11	Pass
122	5610	-2.76	-2.00	0.65	11	Pass
138 (U-NII-2C)	5690	-2.76	-1.85	0.73	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 = $10 \log[(10^{\text{Chain0}/10} + 10^{\text{Chain1}/10}) / 2]$
3. For U-NII-1, the directional gain is 5.09 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.3 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.5 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-8.08	-8.26	-5.16	-2.94	30	Pass
149	5745	-6.31	-6.26	-3.27	-1.05	30	Pass
157	5785	-6.77	-6.63	-3.69	-1.47	30	Pass
165	5825	-7.05	-7.10	-4.06	-1.84	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 = $10 \log[(10^{\text{Chain0}/10} + 10^{\text{Chain1}/10}) / 2]$
3. For U-NII-3, the directional gain is 5.2 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-13.06	-13.25	-10.14	-7.92	30	Pass
151	5755	-9.93	-10.10	-7	-4.78	30	Pass
159	5795	-10.47	-10.21	-7.33	-5.11	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 = $10 \log[(10^{\text{Chain0}/10} + 10^{\text{Chain1}/10}) / 2]$
3. For U-NII-3, the directional gain is 5.2 dBi < 6 dBi, so the power density limit shall not be reduced.

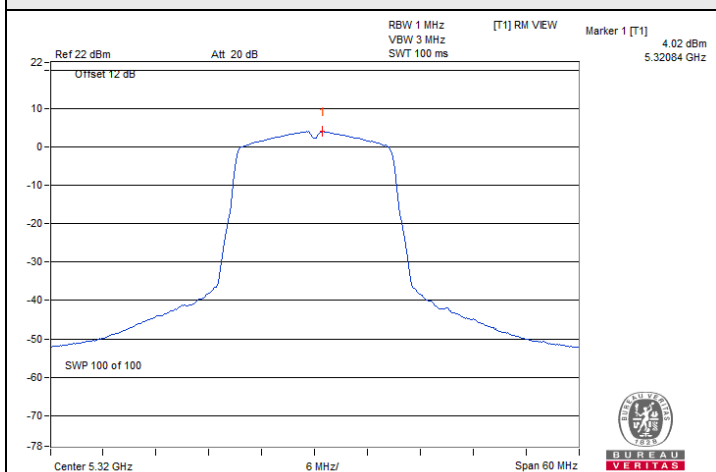
802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-16.51	-16.53	-13.51	-11.29	30	Pass
155	5775	-13.28	-13.68	-10.47	-8.25	30	Pass

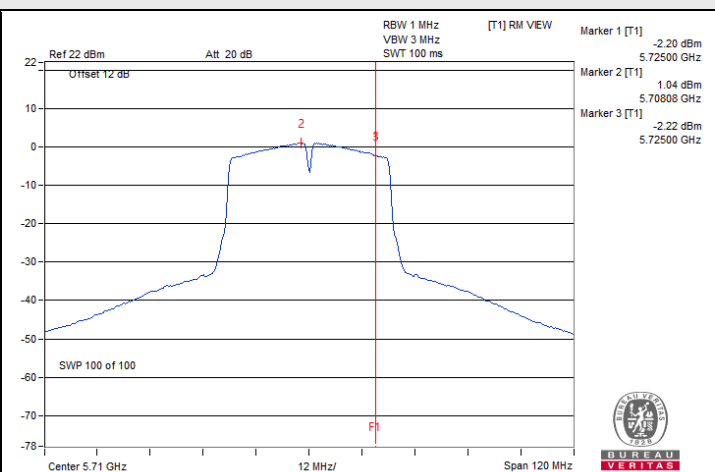
Notes:

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 = $10 \log[(10^{\text{Chain0}/10} + 10^{\text{Chain1}/10}) / 2]$
3. For U-NII-3, the directional gain is 5.2 dBi < 6 dBi, so the power density limit shall not be reduced.

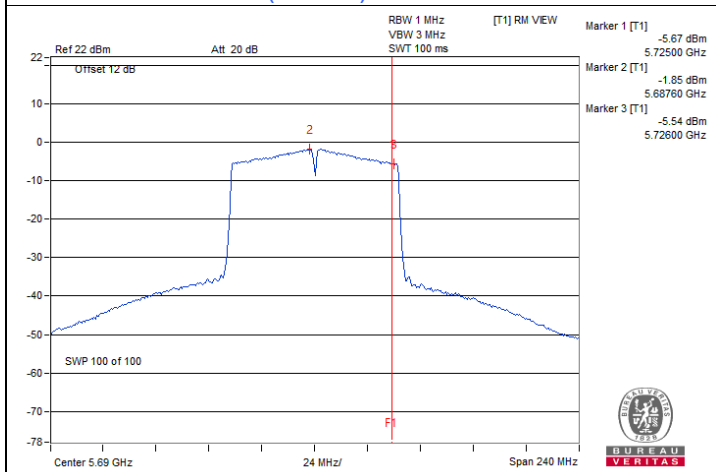
Spectrum Plot of Maximum Value



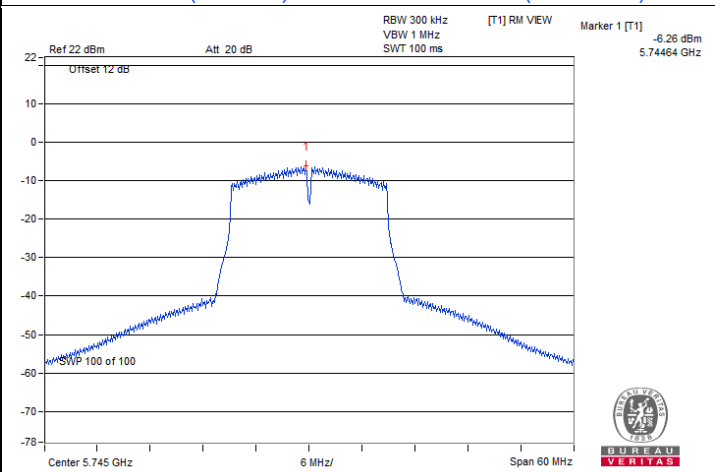
802.11ac (VHT20) / Chain 1 : CH 64



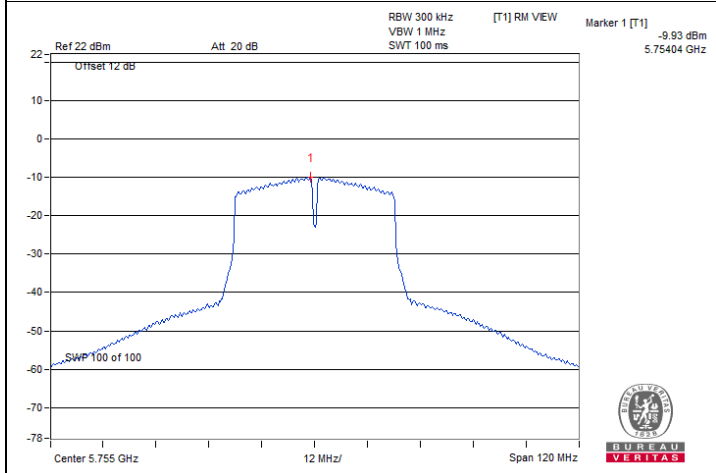
802.11ac (VHT40) / Chain 1 : CH 142 (U-NII-2C)



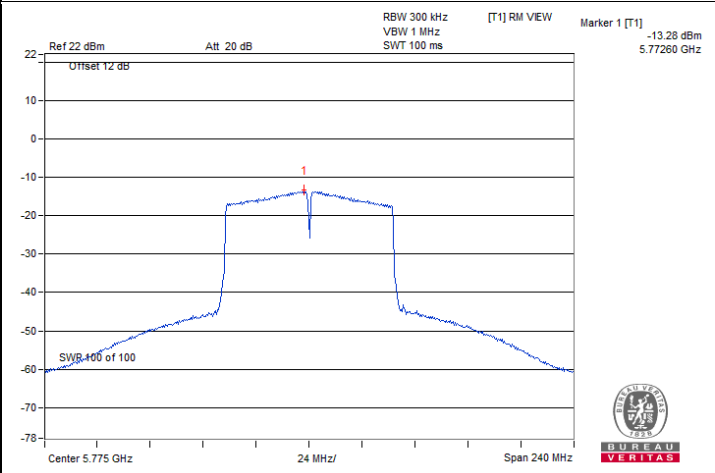
802.11ac (VHT80) / Chain 1 : CH 138 (U-NII-2C)



802.11ac (VHT20) / Chain 1 : CH 149



802.11ac (VHT40) / Chain 0 : CH 151



802.11ac (VHT80) / Chain 0 : CH 155

7.4 6 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Chris Lin/ Matthew Yang
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1TX

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	2.57	0.5	Pass
149	5745	15.19	0.5	Pass
157	5785	15.2	0.5	Pass
165	5825	15.2	0.5	Pass

802.11ac (VHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	3.13	0.5	Pass
149	5745	15.18	0.5	Pass
157	5785	15.78	0.5	Pass
165	5825	15.19	0.5	Pass

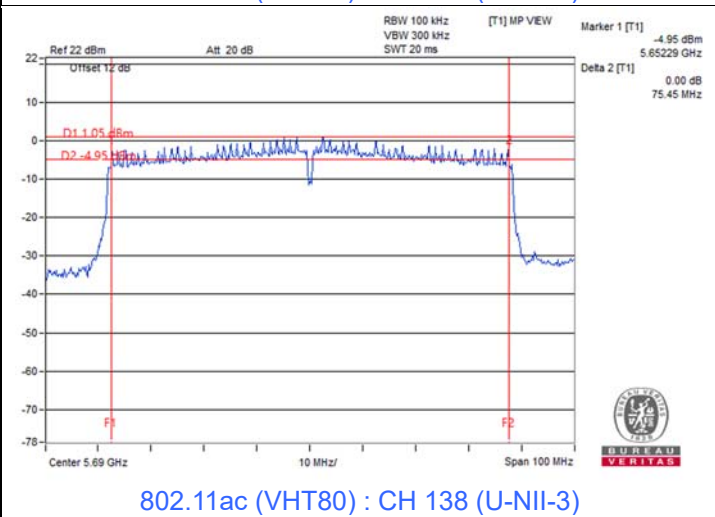
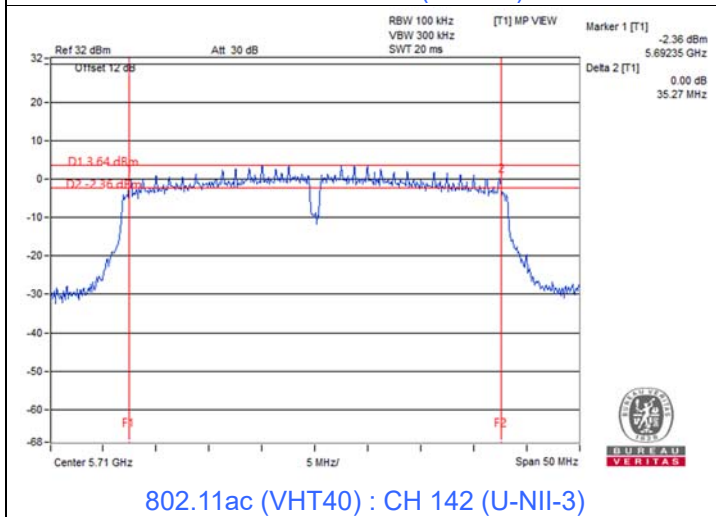
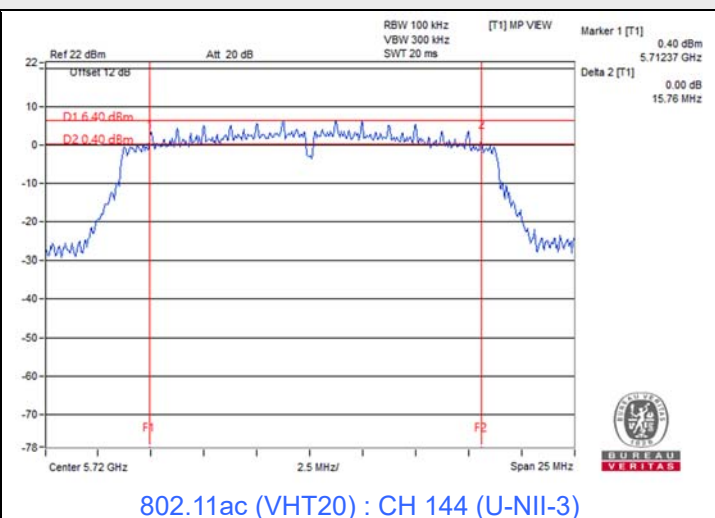
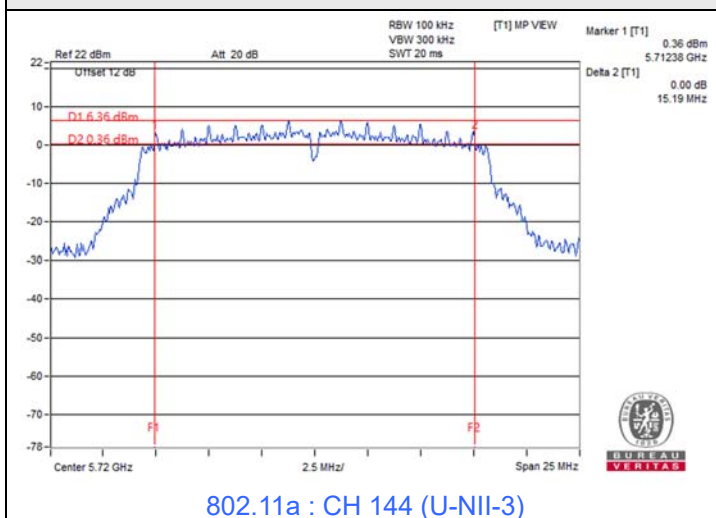
802.11ac (VHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
142 (U-NII-3)	5710	2.62	0.5	Pass
151	5755	35.25	0.5	Pass
159	5795	35.25	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
138 (U-NII-3)	5690	2.74	0.5	Pass
155	5775	75.44	0.5	Pass

Spectrum Plot of Minimum Value



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

2TX
802.11ac (VHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	2.58	2.54	0.5	Pass
149	5745	15.12	15.19	0.5	Pass
157	5785	15.21	15.16	0.5	Pass
165	5825	15.19	15.18	0.5	Pass

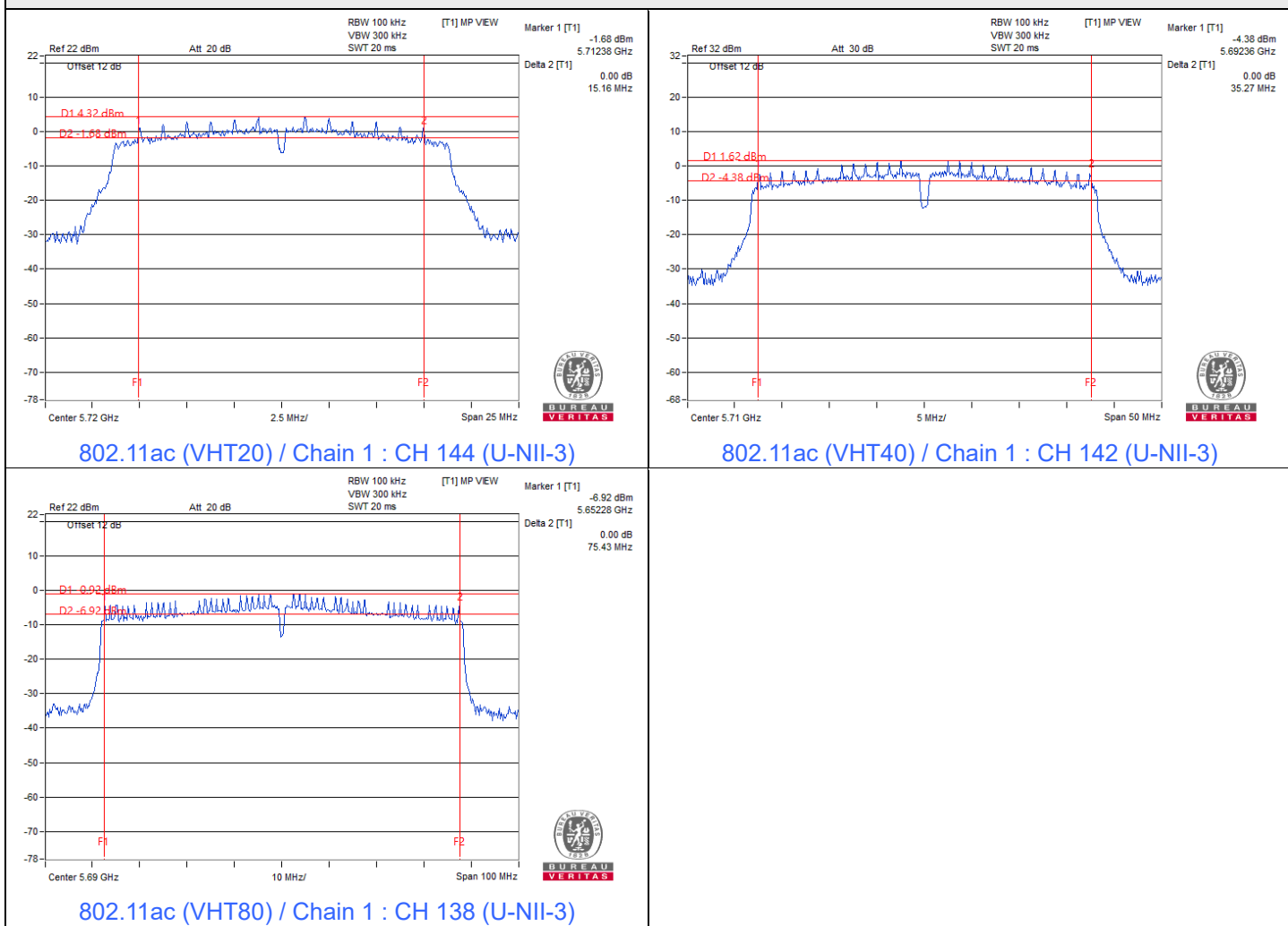
802.11ac (VHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	2.65	2.63	0.5	Pass
151	5755	35.29	35.24	0.5	Pass
159	5795	35.26	35.29	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	2.72	2.71	0.5	Pass
155	5775	75.44	75.42	0.5	Pass

Spectrum Plot of Minimum Value



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:	Chris Lin/ Matthew Yang
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1TX

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	16.56
40	5200	16.68
48	5240	16.68
52	5260	16.56
60	5300	16.68
64	5320	16.68
100	5500	16.68
116	5580	16.68
140	5700	16.44
144 (U-NII-2C)	5720	13.4
144 (U-NII-3)	5720	3.28
149	5745	16.68
157	5785	16.68
165	5825	16.8

802.11ac (VHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	17.64
40	5200	17.64
48	5240	17.64
52	5260	17.64
60	5300	17.64
64	5320	17.64
100	5500	17.64
116	5580	17.64
140	5700	17.64
144 (U-NII-2C)	5720	13.88
144 (U-NII-3)	5720	3.76
149	5745	17.76
157	5785	17.88
165	5825	17.88

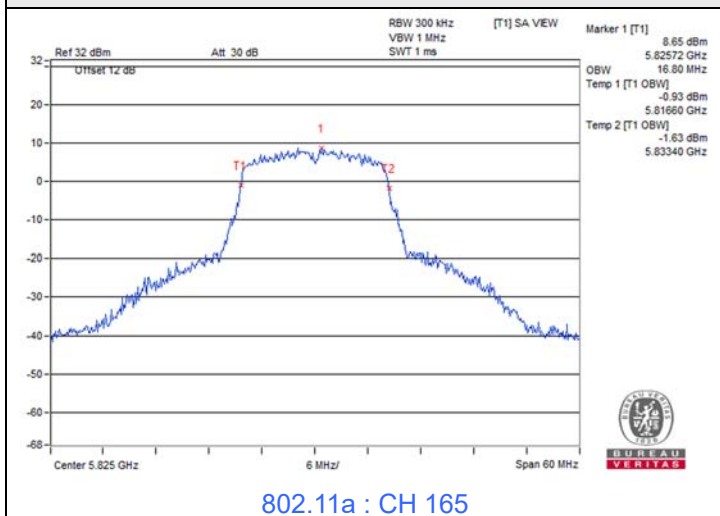
802.11ac (VHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
38	5190	36.24
46	5230	36.24
54	5270	36.24
62	5310	36.24
102	5510	36.24
110	5550	36.24
134	5670	36.24
142 (U-NII-2C)	5710	33.24
142 (U-NII-3)	5710	3.24
151	5755	36.72
159	5795	36.72

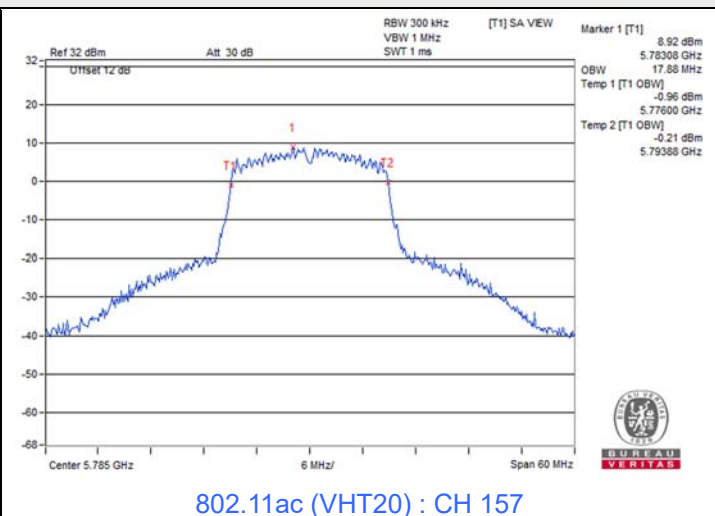
802.11ac (VHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
42	5210	75.36
58	5290	75.36
106	5530	75.36
122	5610	75.36
138 (U-NII-2C)	5690	72.92
138 (U-NII-3)	5690	2.44
155	5775	75.36

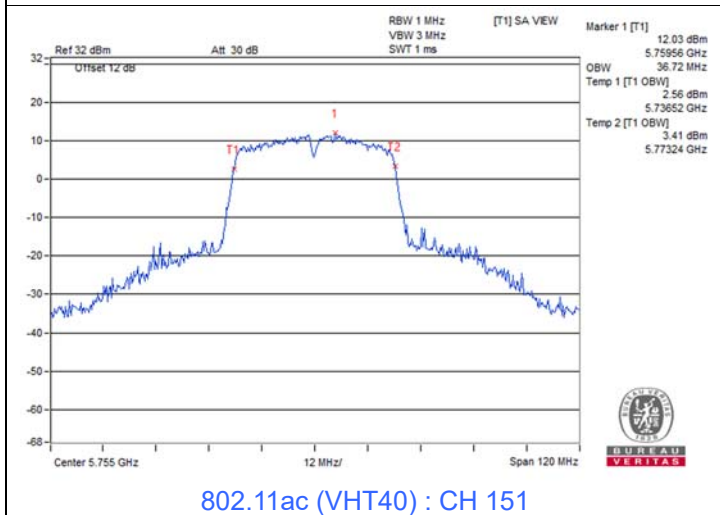
Spectrum Plot of Maximum Value



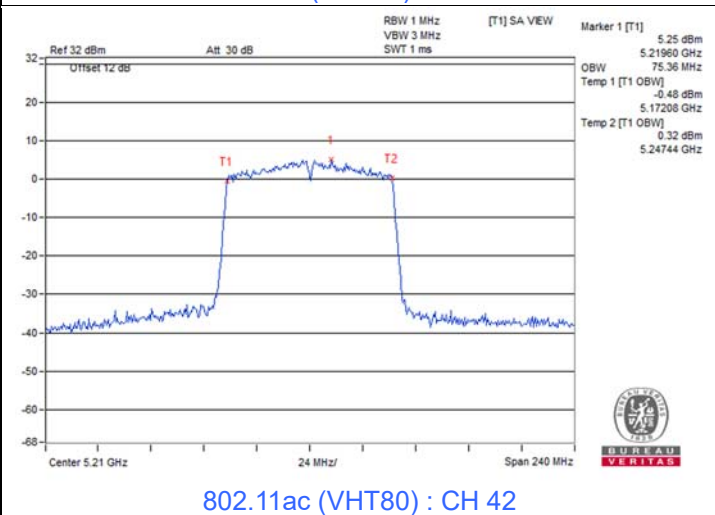
802.11a : CH 165



802.11ac (VHT20) : CH 157

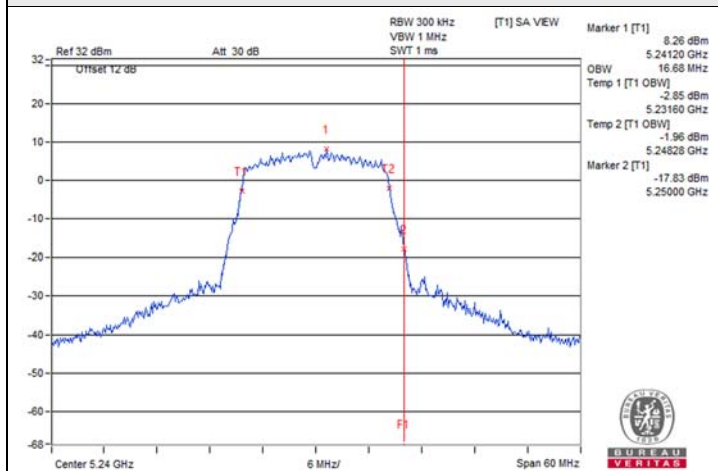


802.11ac (VHT40) : CH 151

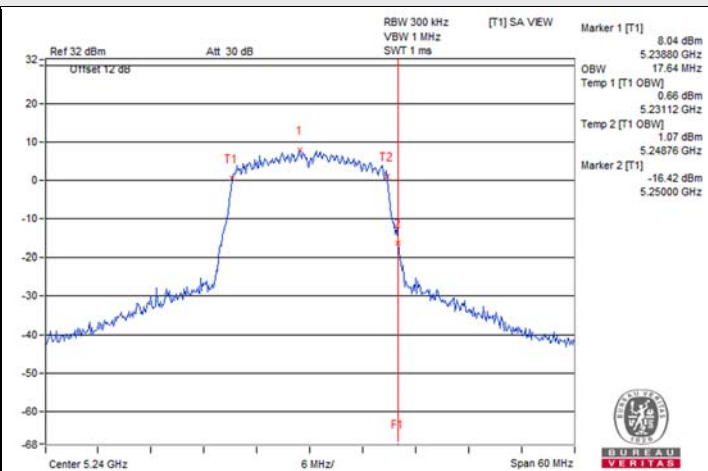


802.11ac (VHT80) : CH 42

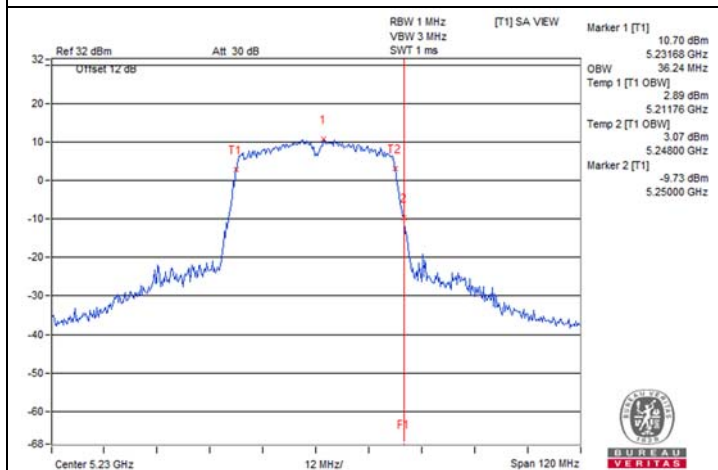
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



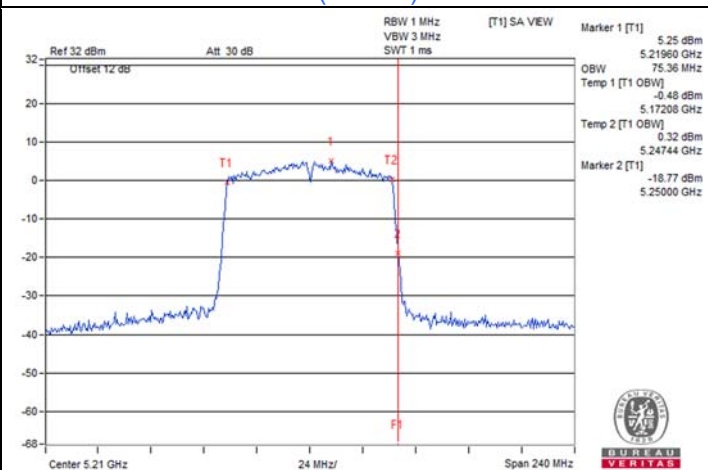
802.11a : CH 48



802.11ac (VHT20) : CH 48

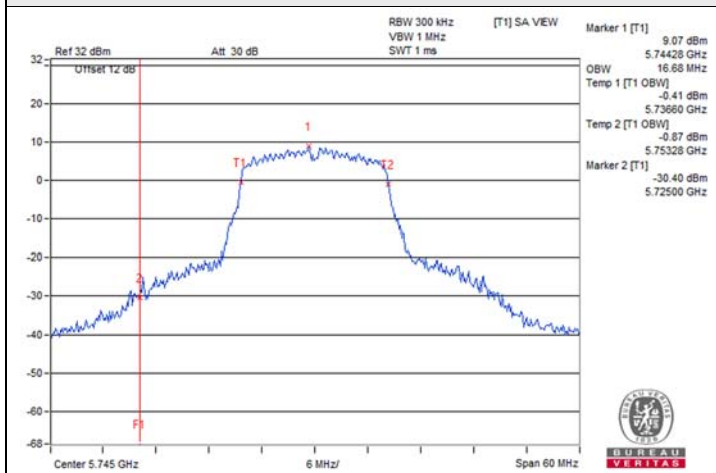


802.11ac (VHT40) : CH 46

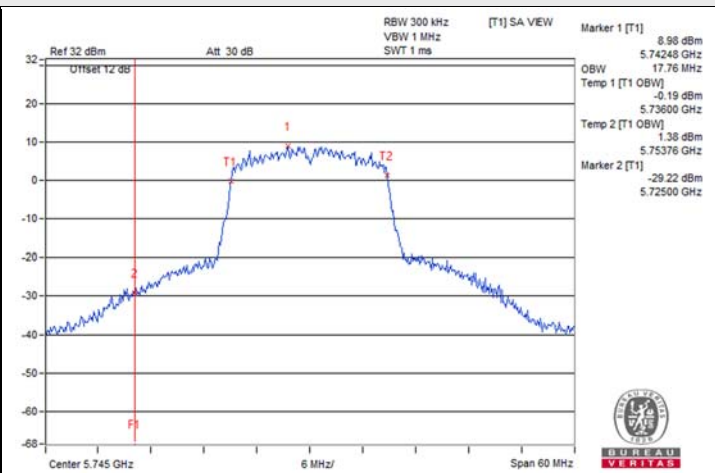


802.11ac (VHT80) : CH 42

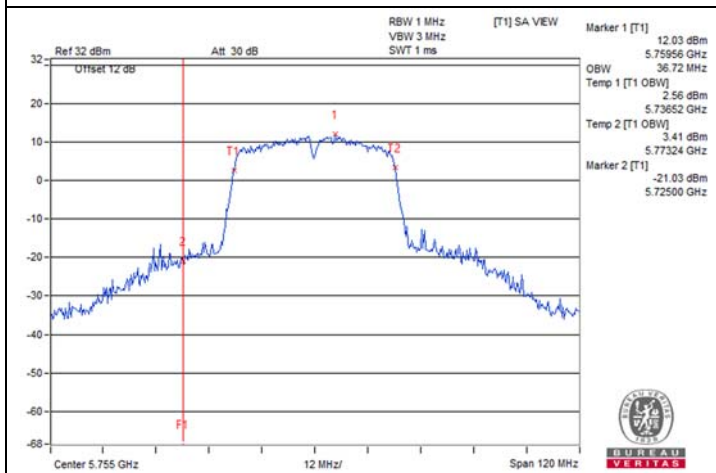
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C)



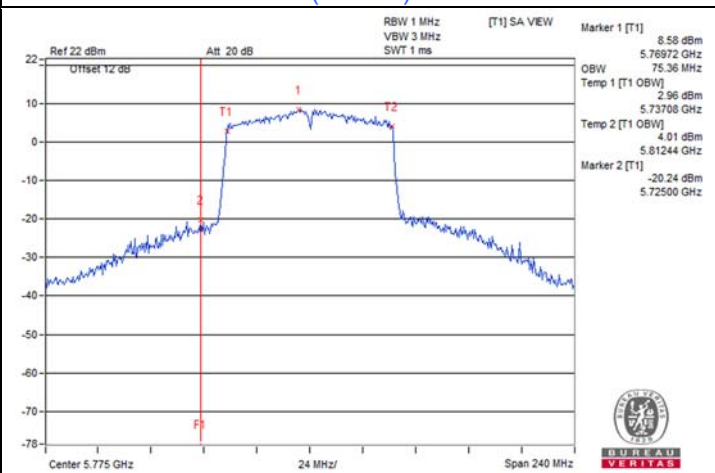
802.11a : CH 149



802.11ac (VHT20) : CH 149



802.11ac (VHT40) : CH 151



802.11ac (VHT80) : CH 155

2TX
802.11ac (VHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	17.64	17.64
40	5200	17.64	17.64
48	5240	17.76	17.76
52	5260	17.88	17.76
60	5300	17.64	17.64
64	5320	17.76	17.64
100	5500	17.64	17.76
116	5580	17.64	17.64
140	5700	17.64	17.64
144 (U-NII-2C)	5720	14.00	14.00
144 (U-NII-3)	5720	3.76	3.88
149	5745	17.76	17.88
157	5785	17.88	17.88
165	5825	17.88	17.88

802.11ac (VHT40)

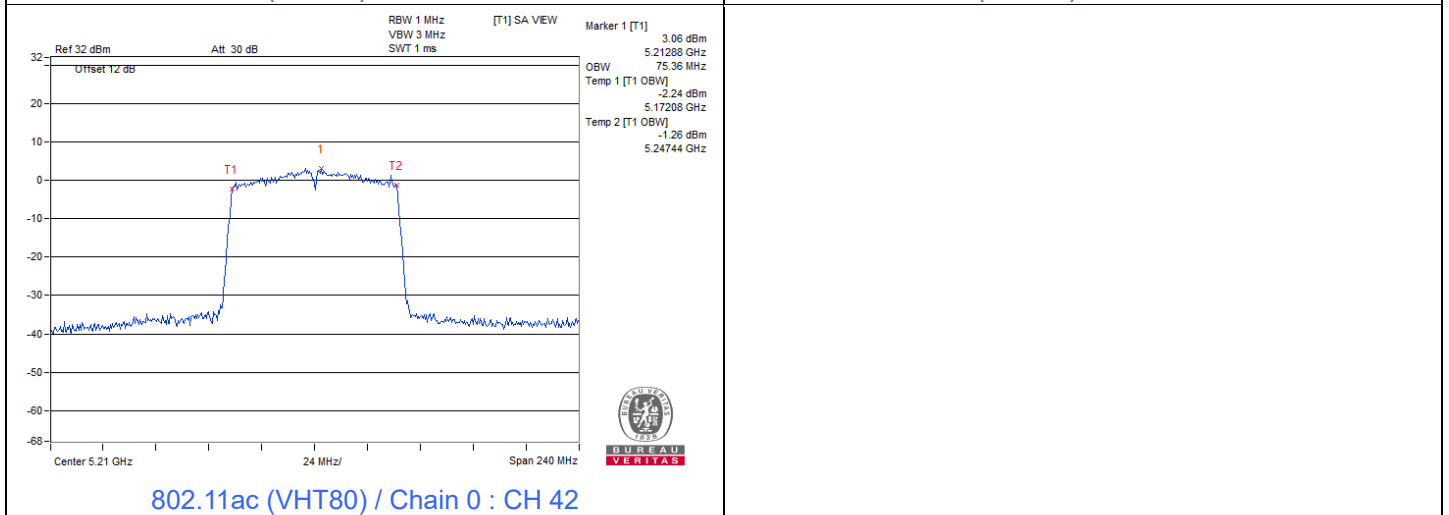
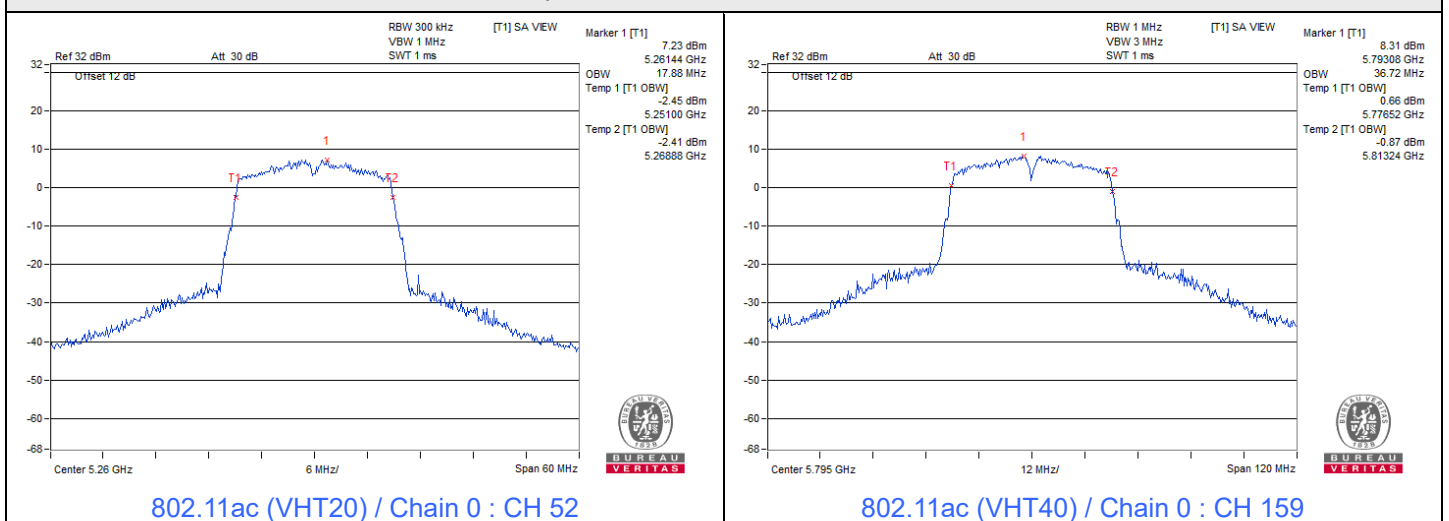
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	36.24	36.24
46	5230	36.24	36.48
54	5270	36.24	36.24
62	5310	36.48	36.24
102	5510	36.24	36.24
110	5550	36.48	36.24
134	5670	36.48	36.24
142 (U-NII-2C)	5710	33.24	33.24
142 (U-NII-3)	5710	3.24	3.00
151	5755	36.48	36.72
159	5795	36.72	36.72



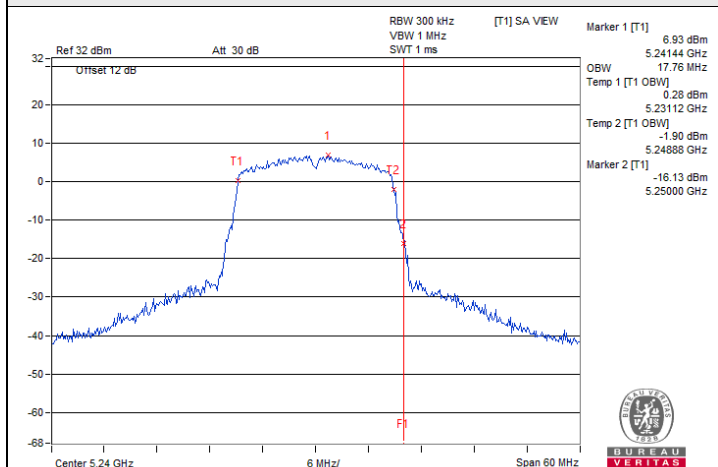
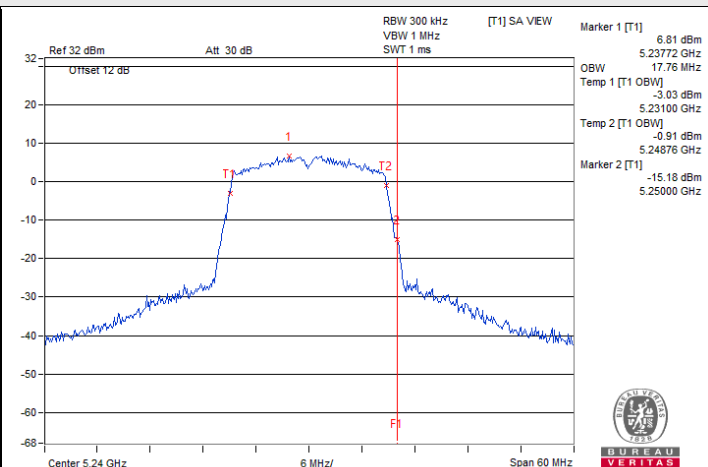
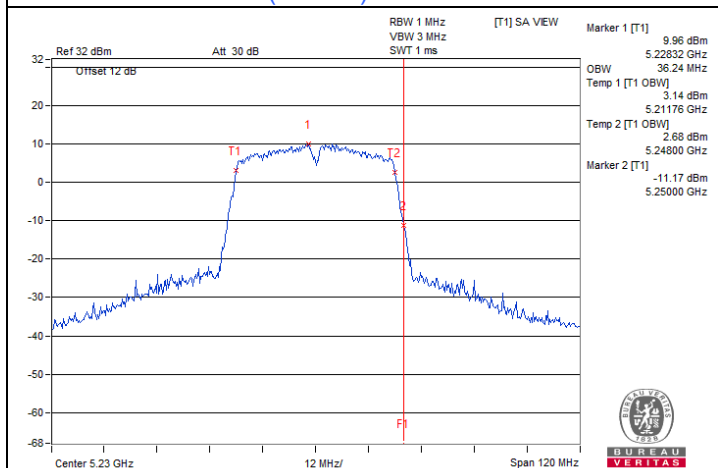
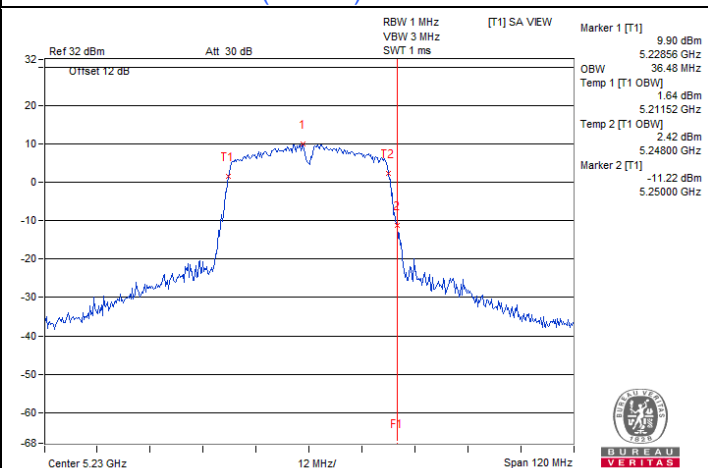
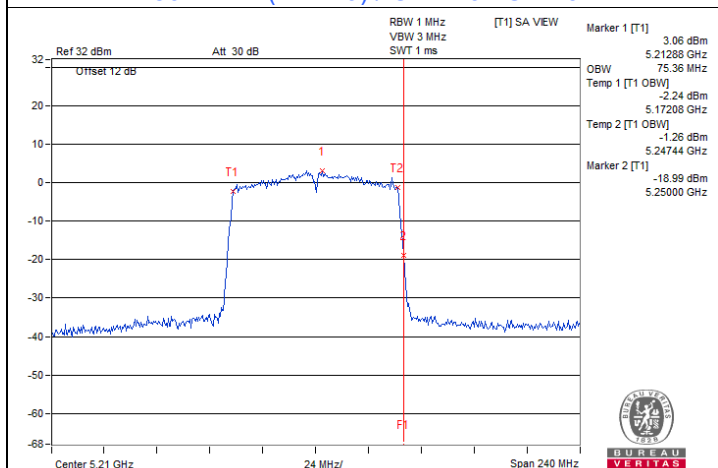
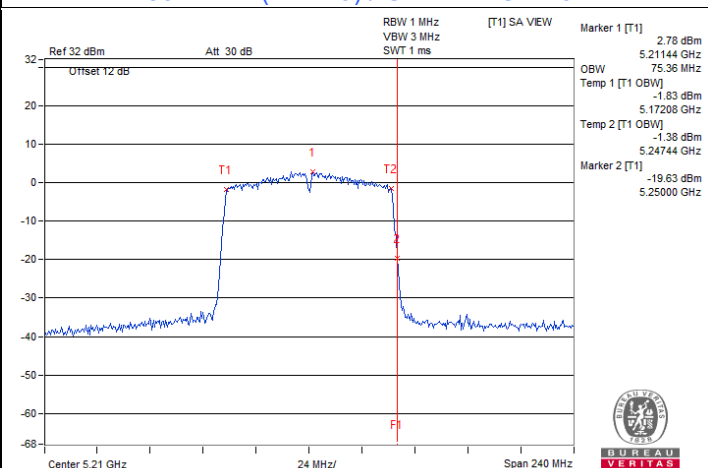
802.11ac (VHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	75.36	75.36
58	5290	75.36	75.36
106	5530	75.36	75.36
122	5610	75.36	75.36
138 (U-NII-2C)	5690	72.92	72.92
138 (U-NII-3)	5690	2.44	2.44
155	5775	75.36	75.36

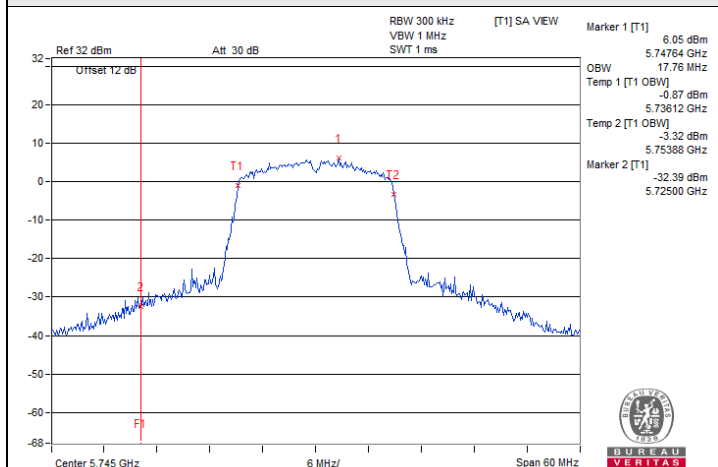
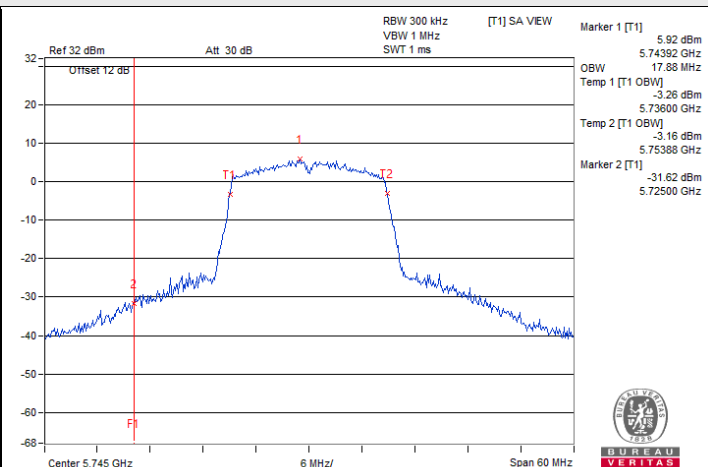
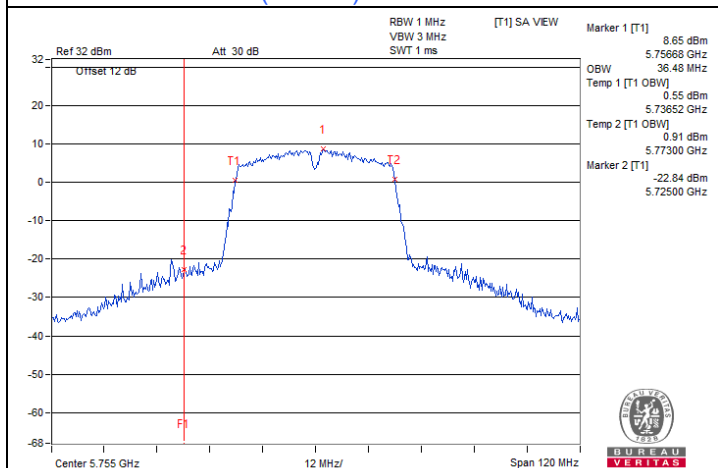
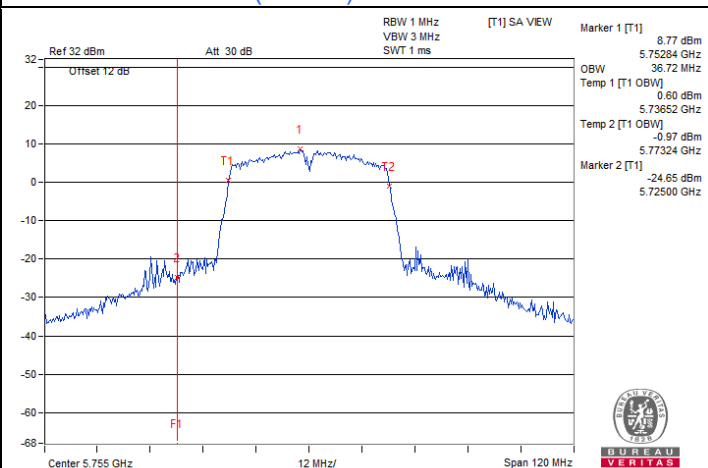
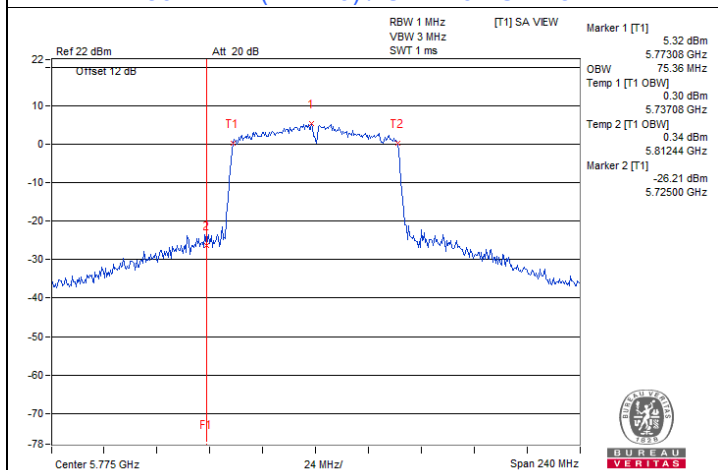
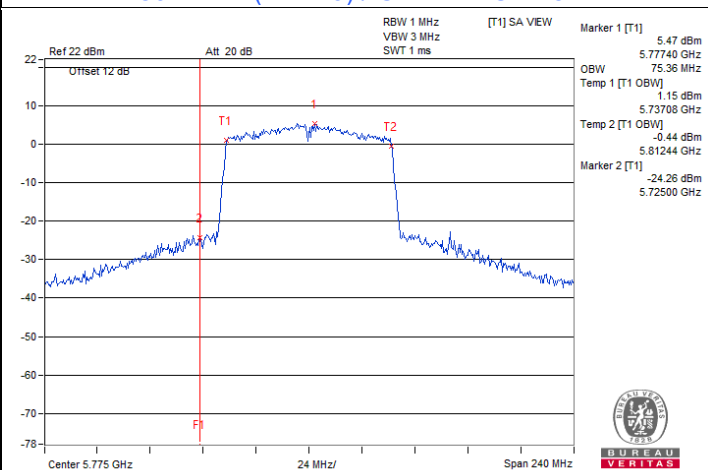
Spectrum Plot of Maximum Value



Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)

**802.11ac (VHT20) / Chain 0 : CH 48****802.11ac (VHT20) / Chain 1 : CH 48****802.11ac (VHT40) / Chain 0 : CH 46****802.11ac (VHT40) / Chain 1 : CH 46****802.11ac (VHT80) / Chain 0 : CH 42****802.11ac (VHT80) / Chain 1 : CH 42**

Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)

**802.11ac (VHT20) / Chain 0 : CH 149****802.11ac (VHT20) / Chain 1 : CH 149****802.11ac (VHT40) / Chain 0 : CH 151****802.11ac (VHT40) / Chain 1 : CH 151****802.11ac (VHT80) / Chain 0 : CH 155****802.11ac (VHT80) / Chain 1 : CH 155**

7.6 Frequency Stability

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Chris Lin/ Matthew Yang
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Frequency Stability Versus Temperature

Operating Frequency: 5180 MHz

Temp. (°C)	Power Supply (Vdc)	0 Minute			2 Minutes			5 Minutes			10 Minutes		
		Measured Frequency (MHz)	Frequency Error (ppm)	Test Result	Measured Frequency (MHz)	Frequency Error (ppm)	Test Result	Measured Frequency (MHz)	Frequency Error (ppm)	Test Result	Measured Frequency (MHz)	Frequency Error (ppm)	Test Result
60	3.3	5179.9809	-3.687259	Pass	5179.9849	-2.915058	Pass	5179.9818	-3.513514	Pass	5179.9846	-2.972973	Pass
50	3.3	5180.0091	1.756757	Pass	5180.0049	0.945946	Pass	5180.0084	1.621622	Pass	5180.0084	1.621622	Pass
40	3.3	5179.9996	-0.077220	Pass	5180.0023	0.444015	Pass	5179.9994	-0.115830	Pass	5180.0006	0.115830	Pass
30	3.3	5180.0109	2.104247	Pass	5180.0127	2.451737	Pass	5180.0112	2.162162	Pass	5180.0106	2.046332	Pass
20	3.3	5180.0162	3.127413	Pass	5180.0159	3.069498	Pass	5180.0153	2.953668	Pass	5180.0172	3.320463	Pass
10	3.3	5180.0088	1.698842	Pass	5180.0109	2.104247	Pass	5180.0082	1.583012	Pass	5180.0088	1.698842	Pass
5	3.3	5179.977	-4.440154	Pass	5179.9773	-4.382239	Pass	5179.9788	-4.092664	Pass	5179.9795	-3.957529	Pass

Frequency Stability Versus Voltage

Operating Frequency: 5180 MHz

Temp. (°C)	Power Supply (Vdc)	0 Minute			2 Minutes			5 Minutes			10 Minutes		
		Measured Frequency (MHz)	Frequency Error (ppm)	Test Result	Measured Frequency (MHz)	Frequency Error (ppm)	Test Result	Measured Frequency (MHz)	Frequency Error (ppm)	Test Result	Measured Frequency (MHz)	Frequency Error (ppm)	Test Result
20	3.795	5180.0202	3.899614	Pass	5180.0212	4.092664	Pass	5180.0207	3.996139	Pass	5180.0236	4.555985	Pass
	3.3	5180.0162	3.127413	Pass	5180.0159	3.069498	Pass	5180.0153	2.953668	Pass	5180.0172	3.320463	Pass
	2.805	5180.0248	4.787645	Pass	5180.0268	5.173745	Pass	5180.0235	4.536680	Pass	5180.0281	5.424710	Pass

7.7 AC Power Conducted Emissions

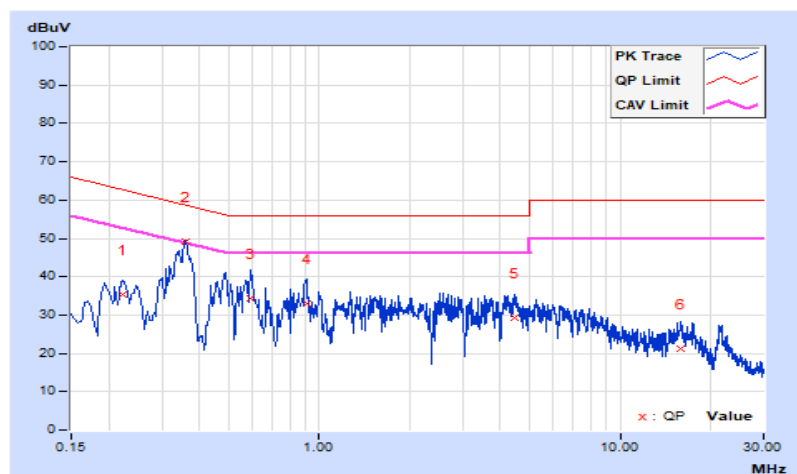
Mode C

RF Mode	802.11ac (VHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 64% RH
Tested By	Vincent 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	0.22200	10.41	24.97	6.23	35.38	16.64	62.74	52.74	-27.36	-36.10
2	0.36200	10.47	38.57	32.75	49.04	43.22	58.68	48.68	-9.64	-5.46
3	0.59400	10.51	23.83	7.52	34.34	18.03	56.00	46.00	-21.66	-27.97
4	0.90600	10.53	22.39	3.56	32.92	14.09	56.00	46.00	-23.08	-31.91
5	4.47400	10.67	18.68	0.90	29.35	11.57	56.00	46.00	-26.65	-34.43
6	15.95000	10.86	10.44	0.44	21.30	11.30	60.00	50.00	-38.70	-38.70

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

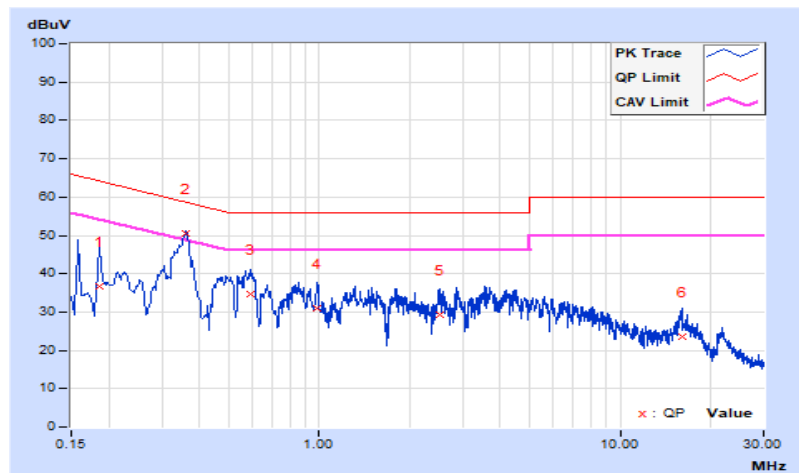


RF Mode	802.11ac (VHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 64% RH
Tested By	Vincent Chen		

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	0.18600	10.43	26.18	8.23	36.61	18.66	64.21	54.21	-27.60	-35.55
2	0.36161	10.51	40.07	34.05	50.58	44.56	58.69	48.69	-8.11	-4.13
3	0.59000	10.54	24.17	7.21	34.71	17.75	56.00	46.00	-21.29	-28.25
4	0.98600	10.56	20.36	2.83	30.92	13.39	56.00	46.00	-25.08	-32.61
5	2.53390	10.62	18.57	1.25	29.19	11.87	56.00	46.00	-26.81	-34.13
6	16.01400	11.02	12.65	2.47	23.67	13.49	60.00	50.00	-36.33	-36.51

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

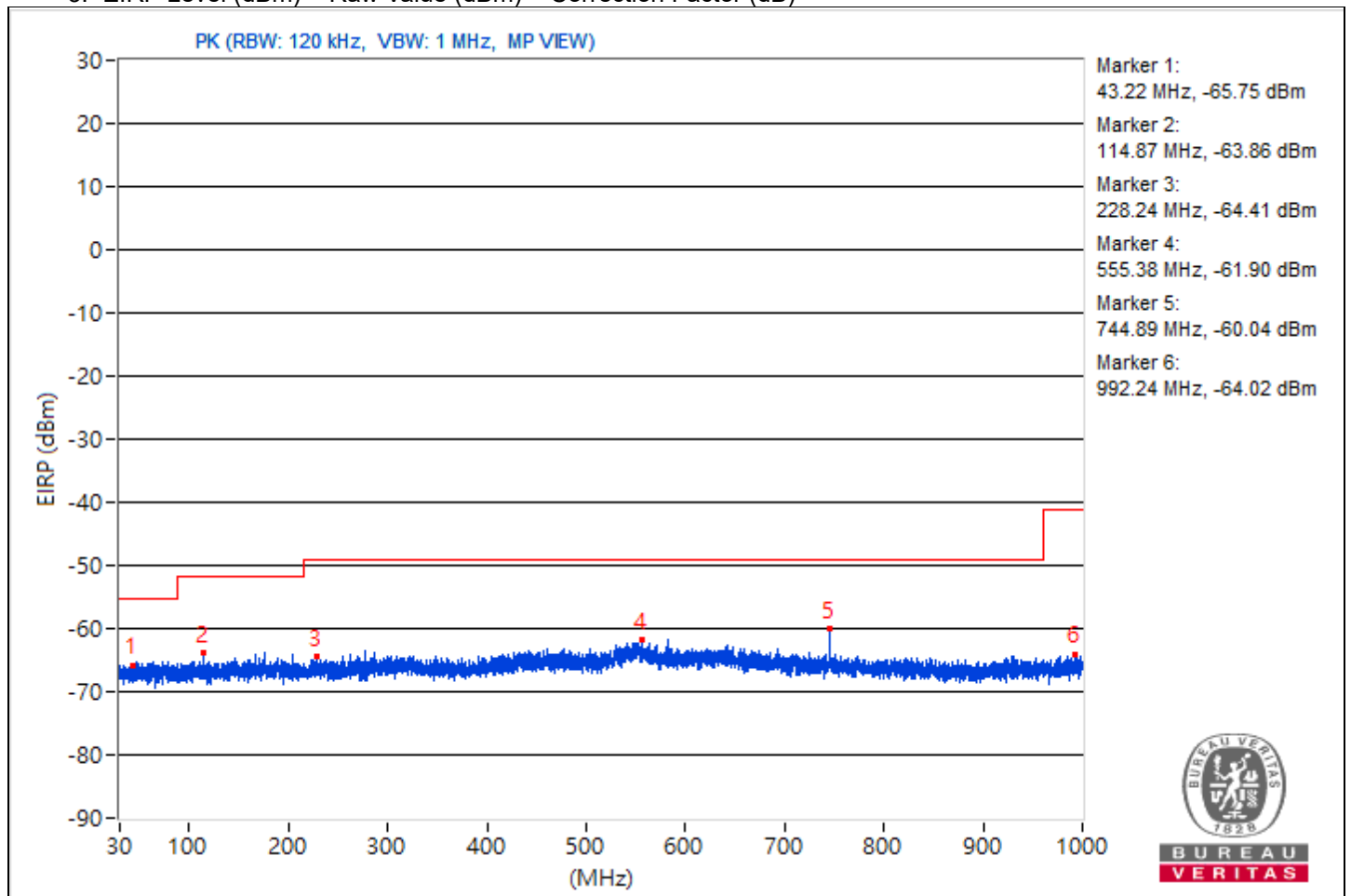
2TX

RF Mode	802.11ac (VHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	30 MHz ~ 1 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	43.22	29.51 PK	40	-10.49	-77.58	-80.97	10.2	-65.75
2	114.87	31.4 PK	43.5	-12.1	-78.11	-76.23	10.2	-63.86
3	228.24	30.85 PK	46	-15.15	-75.7	-81.16	10.2	-64.41
4	555.38	33.36 PK	46	-12.64	-76.16	-74.26	10.2	-61.9
5	744.89	35.22 PK	46	-10.78	-71.02	-78.07	10.2	-60.04
6	992.24	31.24 PK	54	-22.76	-79.63	-75.7	10.2	-64.02

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



Mode B

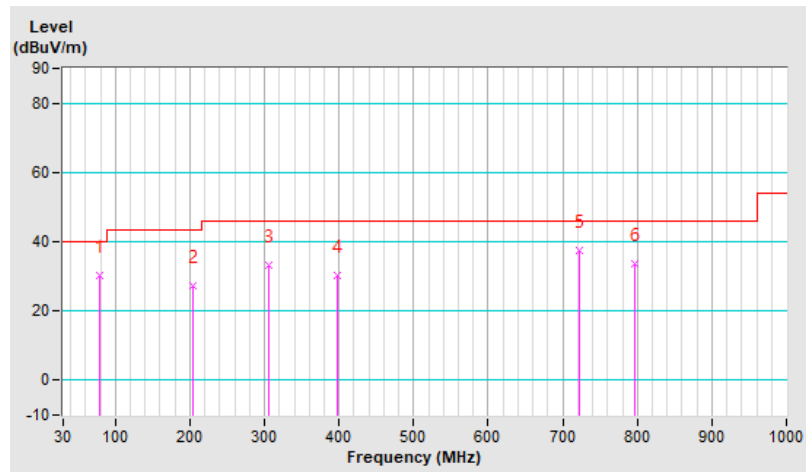
RF Mode	802.11ac (VHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent Chen		

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	78.50	30.4 QP	40.0	-9.6	2.00 H	189	47.4	-17.0
2	203.63	27.5 QP	43.5	-16.0	1.00 H	340	43.4	-15.9
3	305.48	33.4 QP	46.0	-12.6	1.50 H	179	45.2	-11.8
4	398.60	30.4 QP	46.0	-15.6	1.00 H	2	40.0	-9.6
5	722.58	37.5 QP	46.0	-8.5	1.00 H	197	40.2	-2.7
6	796.30	33.7 QP	46.0	-12.3	1.50 H	224	34.9	-1.2

Remarks:

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

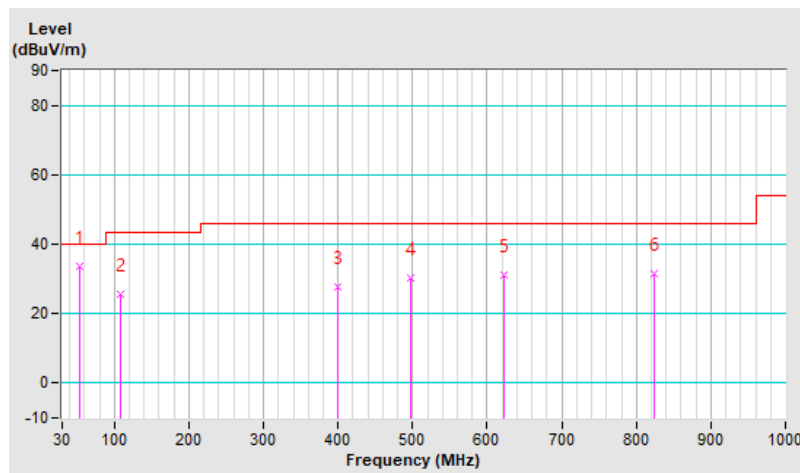


RF Mode	802.11ac (VHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent Chen		

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	53.28	33.6 QP	40.0	-6.4	1.00 V	283	46.1	-12.5
2	108.57	25.4 QP	43.5	-18.1	1.50 V	115	41.0	-15.6
3	399.57	27.8 QP	46.0	-18.2	1.00 V	267	37.4	-9.6
4	497.54	30.3 QP	46.0	-15.7	1.00 V	182	37.3	-7.0
5	622.67	30.9 QP	46.0	-15.1	2.00 V	190	35.4	-4.5
6	823.46	31.6 QP	46.0	-14.4	1.50 V	187	32.5	-0.9

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.



7.9 Unwanted Emissions above 1 GHz

Mode A

1TX

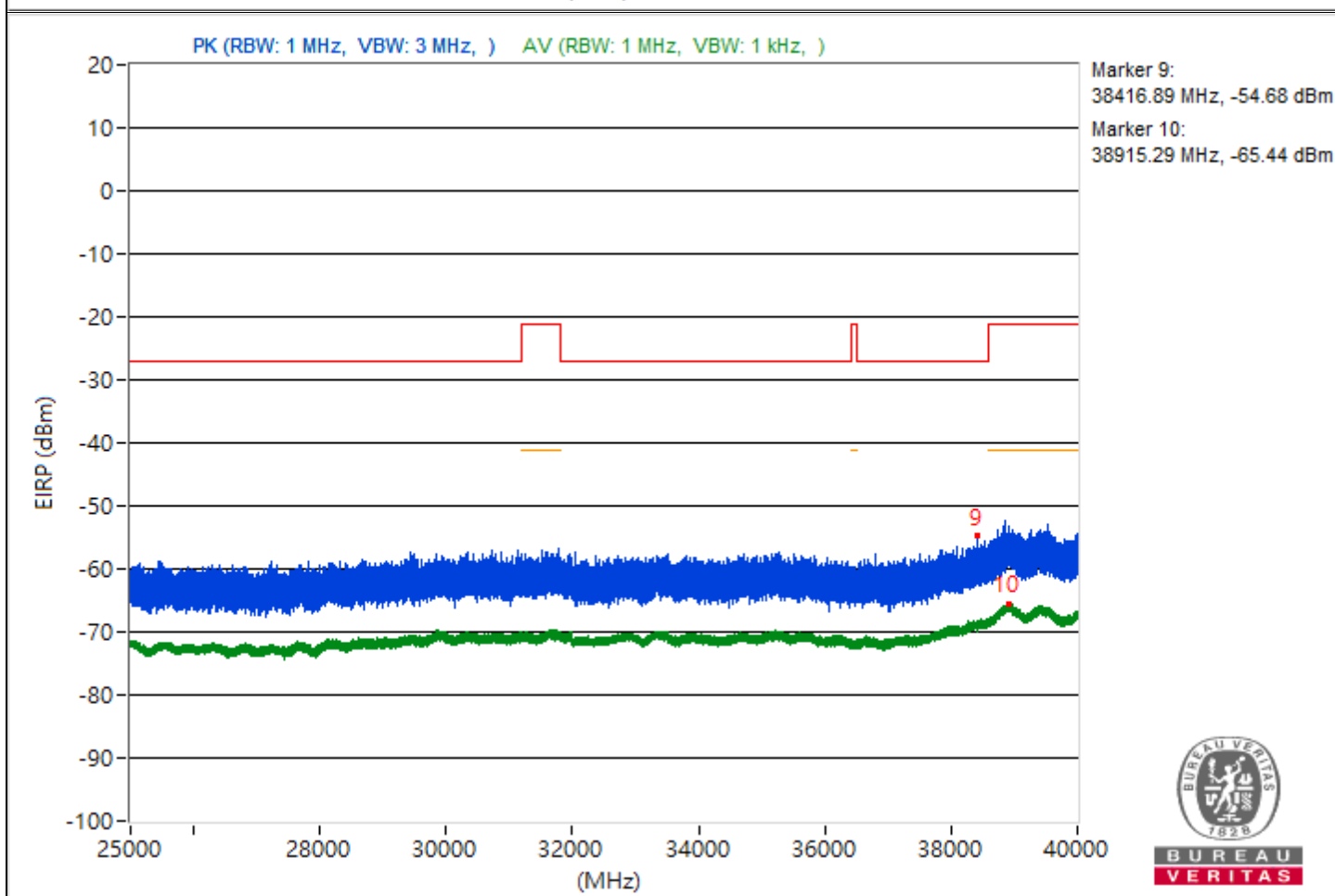
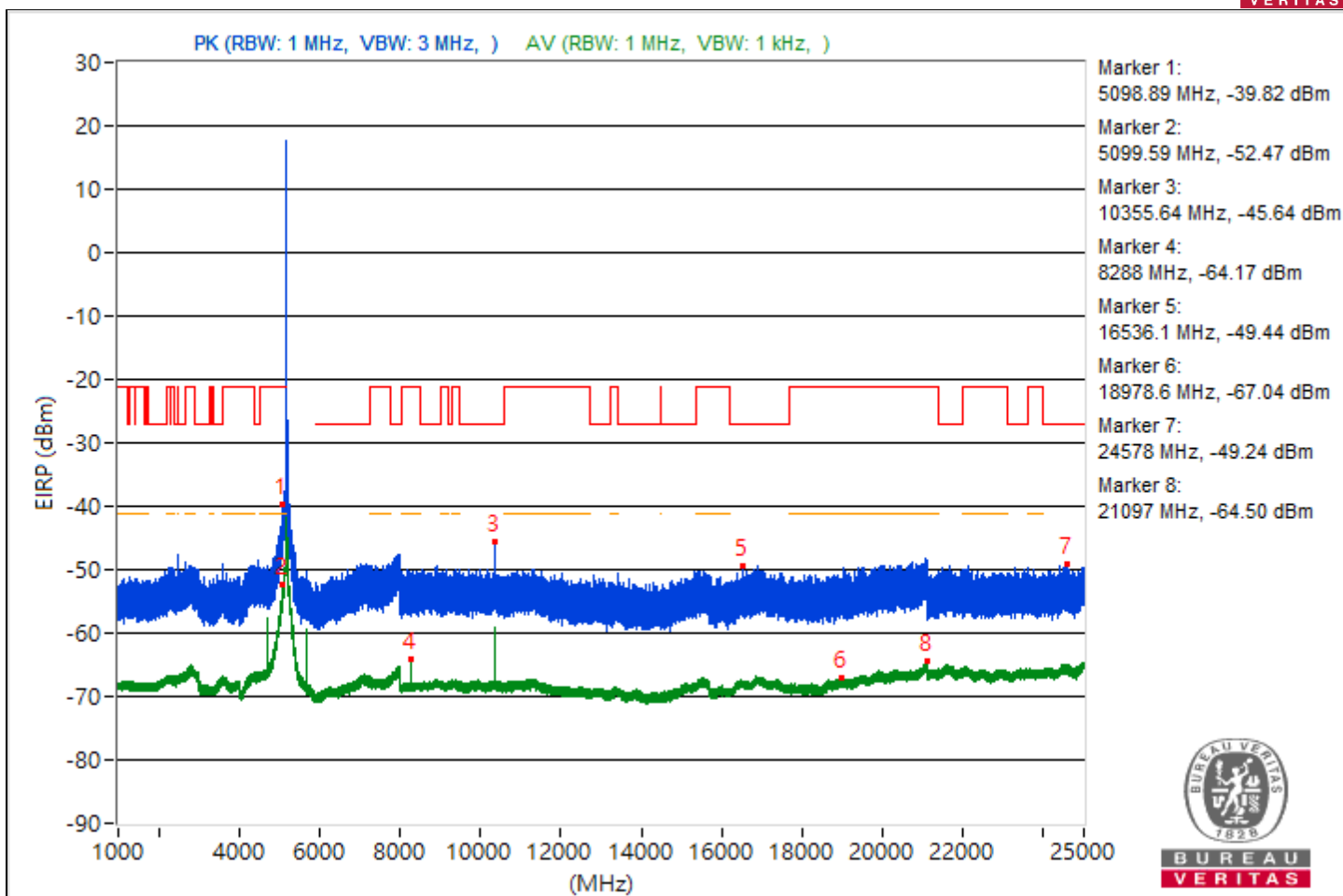
Conducted Unwanted Emissions

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 66% RH	Tested By	Rex Wang

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	5098.89	55.44 PK	74	-18.56	-45.42	5.6	-39.82
2	5099.59	42.79 AV	54	-11.21	-58.07	5.6	-52.47
3	#10355.64	49.62 PK	68.26	-18.64	-51.24	5.6	-45.64
4	8288	31.09 AV	54	-22.91	-69.77	5.6	-64.17
5	#16536.1	45.82 PK	68.26	-22.44	-55.04	5.6	-49.44
6	18978.6	28.22 AV	54	-25.78	-72.64	5.6	-67.04
7	#24578	46.02 PK	68.26	-22.24	-54.84	5.6	-49.24
8	21097	30.76 AV	54	-23.24	-70.1	5.6	-64.5
9	#38416.89	40.58 PK	68.26	-27.68	-60.28	5.6	-54.68
10	38915.29	29.82 AV	54	-24.18	-71.04	5.6	-65.44

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

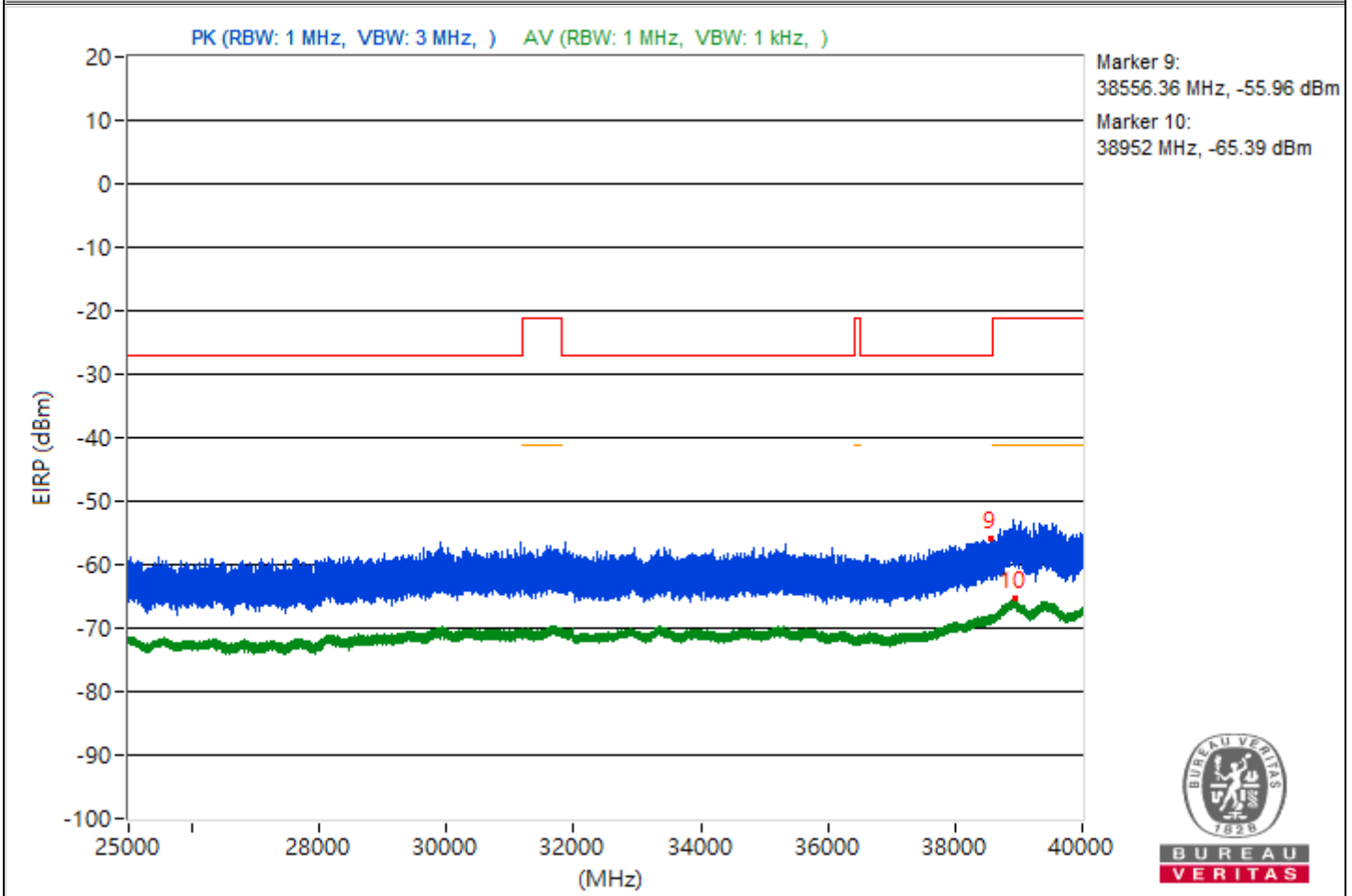
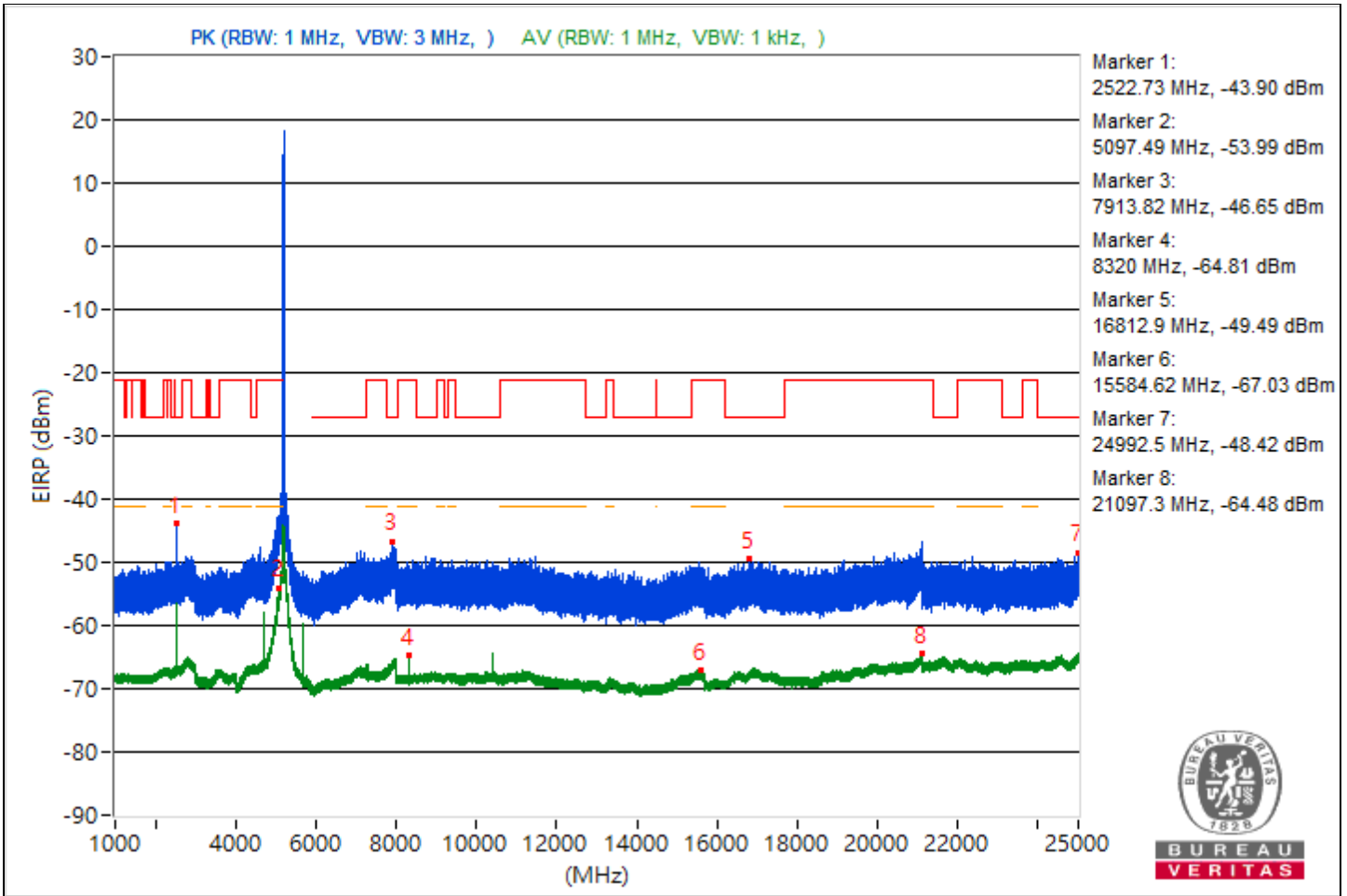


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 66% RH	Tested By	Rex Wang

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	#2522.73	51.36 PK	68.26	-16.9	-49.5	5.6	-43.9
2	5097.49	41.27 AV	54	-12.73	-59.59	5.6	-53.99
3	#7913.82	48.61 PK	68.26	-19.65	-52.25	5.6	-46.65
4	8320	30.45 AV	54	-23.55	-70.41	5.6	-64.81
5	#16812.9	45.77 PK	68.26	-22.49	-55.09	5.6	-49.49
6	15584.62	28.23 AV	54	-25.77	-72.63	5.6	-67.03
7	#24992.5	46.84 PK	68.26	-21.42	-54.02	5.6	-48.42
8	21097.3	30.78 AV	54	-23.22	-70.08	5.6	-64.48
9	#38556.36	39.3 PK	68.26	-28.96	-61.56	5.6	-55.96
10	38952	29.87 AV	54	-24.13	-70.99	5.6	-65.39

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

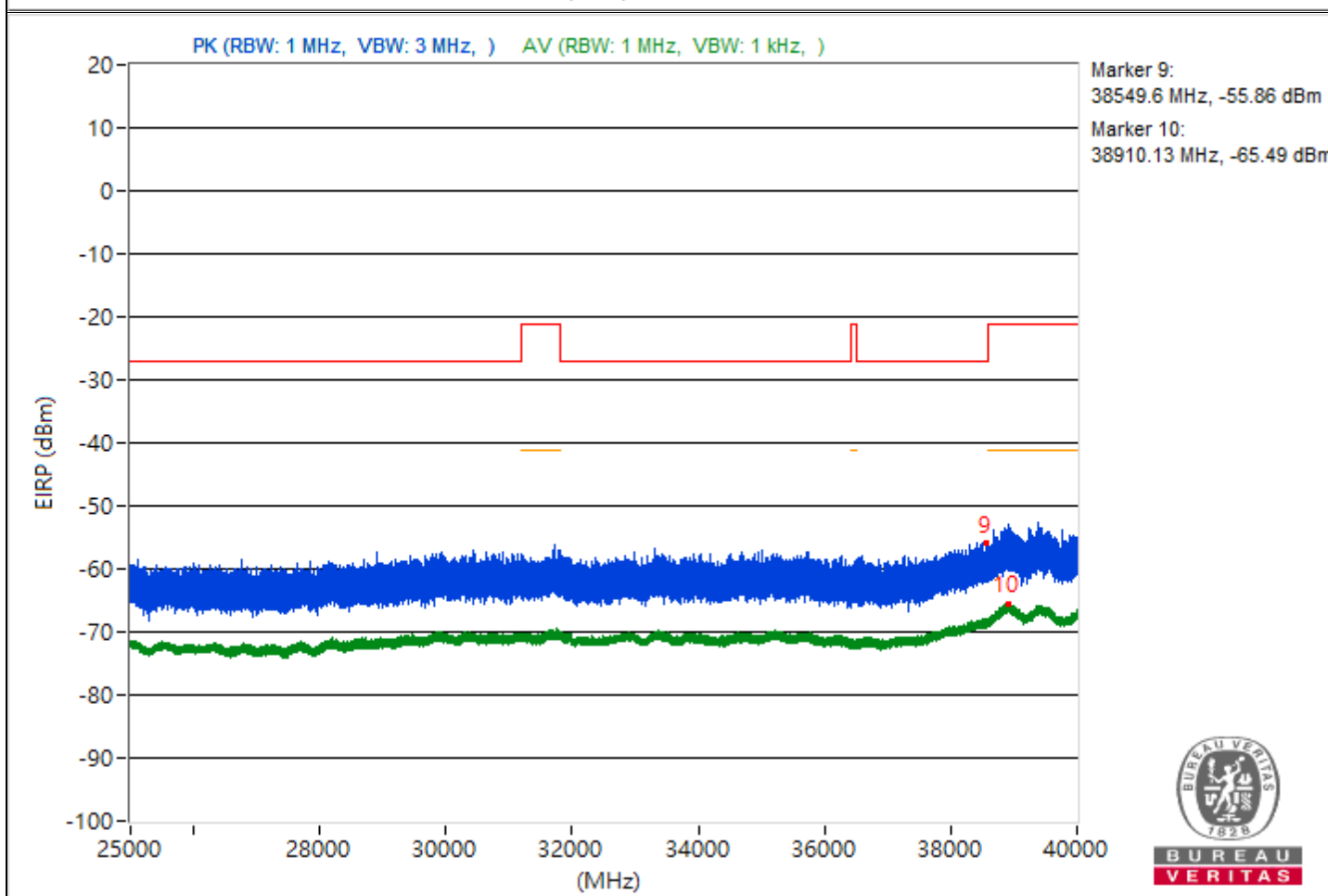
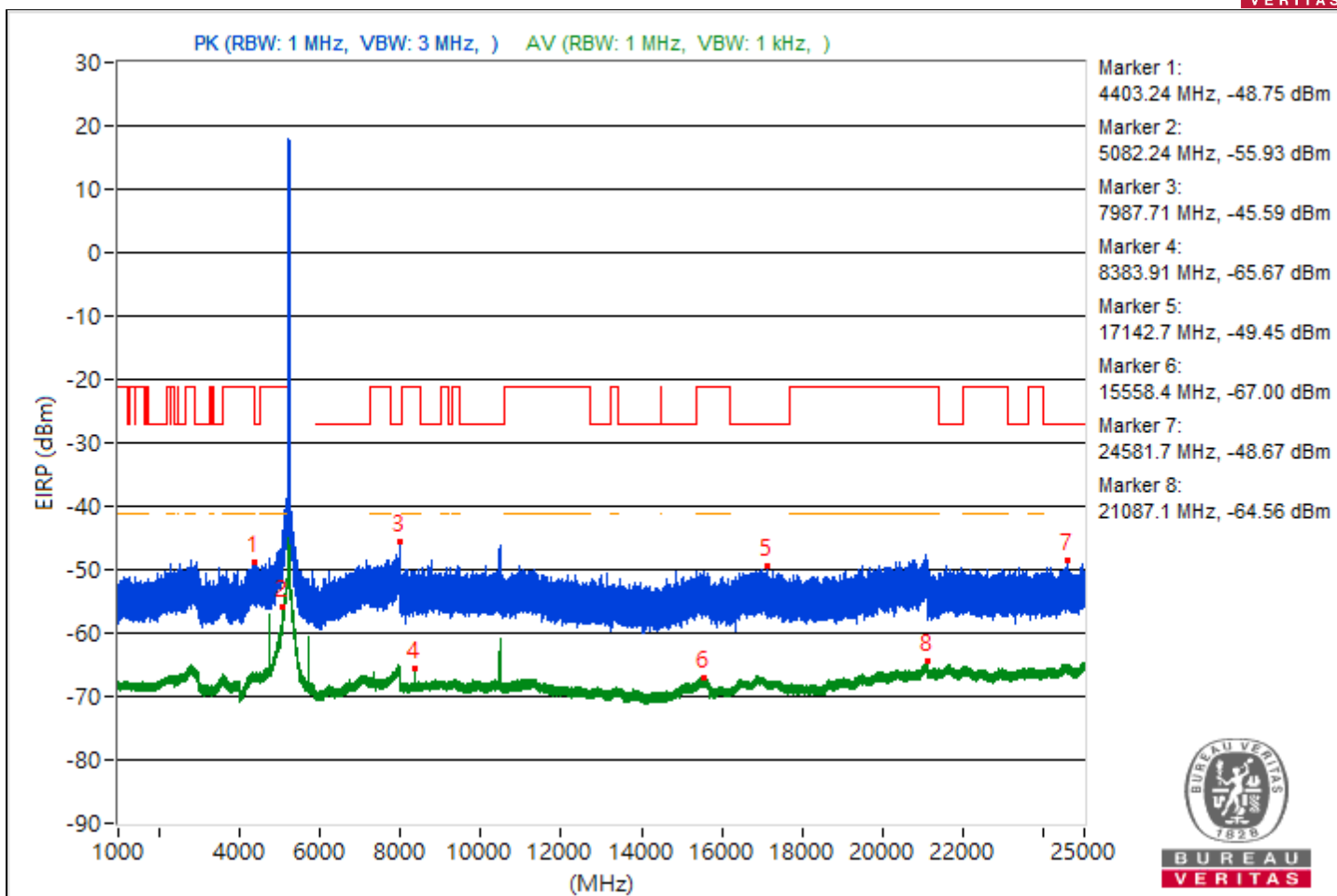


RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 66% RH	Tested By	Rex Wang

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	#4403.24	46.51 PK	68.26	-21.75	-54.35	5.6	-48.75
2	5082.24	39.33 AV	54	-14.67	-61.53	5.6	-55.93
3	#7987.71	49.67 PK	68.26	-18.59	-51.19	5.6	-45.59
4	8383.91	29.59 AV	54	-24.41	-71.27	5.6	-65.67
5	#17142.7	45.81 PK	68.26	-22.45	-55.05	5.6	-49.45
6	15558.4	28.26 AV	54	-25.74	-72.6	5.6	-67
7	#24581.7	46.59 PK	68.26	-21.67	-54.27	5.6	-48.67
8	21087.1	30.7 AV	54	-23.3	-70.16	5.6	-64.56
9	#38549.6	39.4 PK	68.26	-28.86	-61.46	5.6	-55.86
10	38910.13	29.77 AV	54	-24.23	-71.09	5.6	-65.49

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



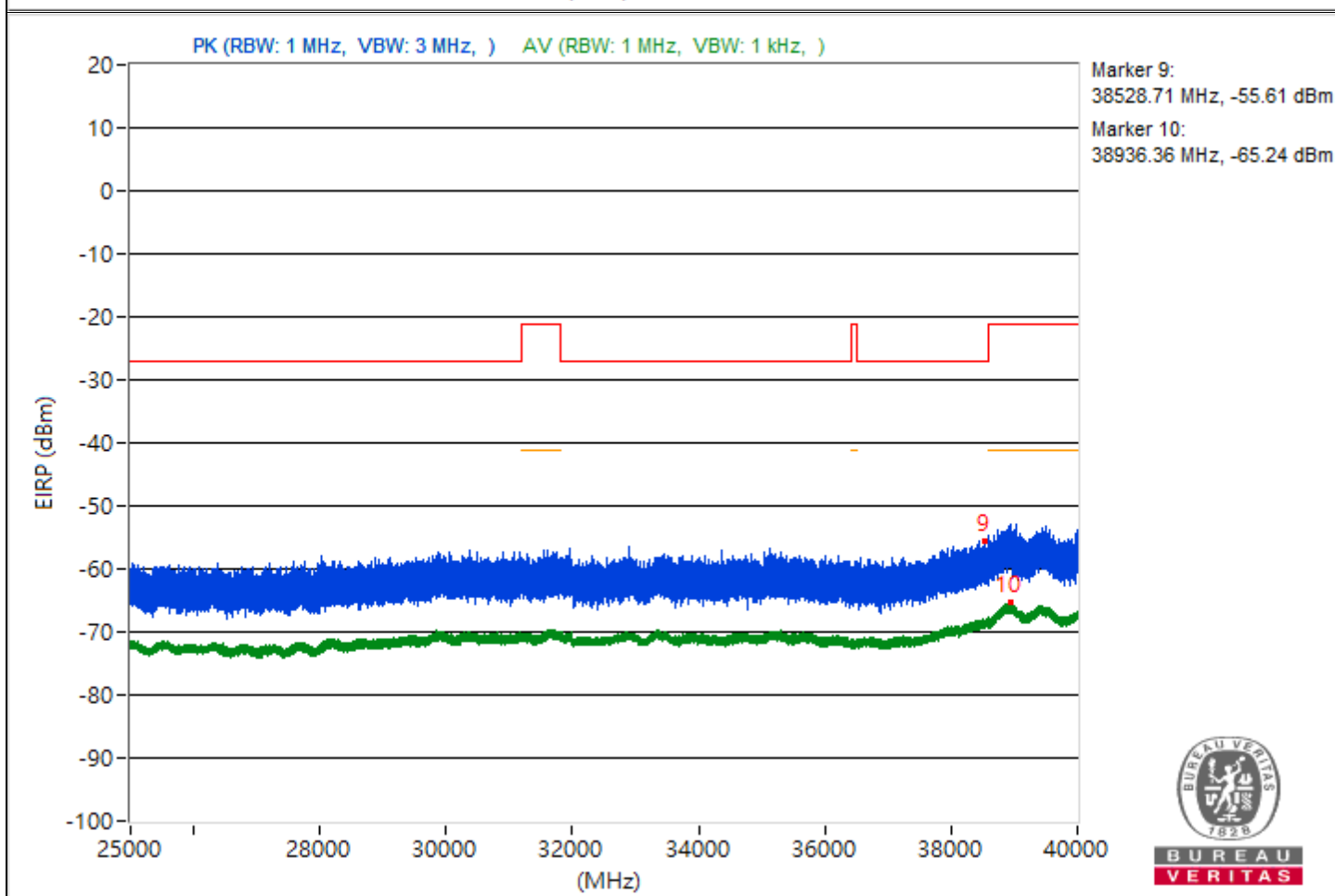
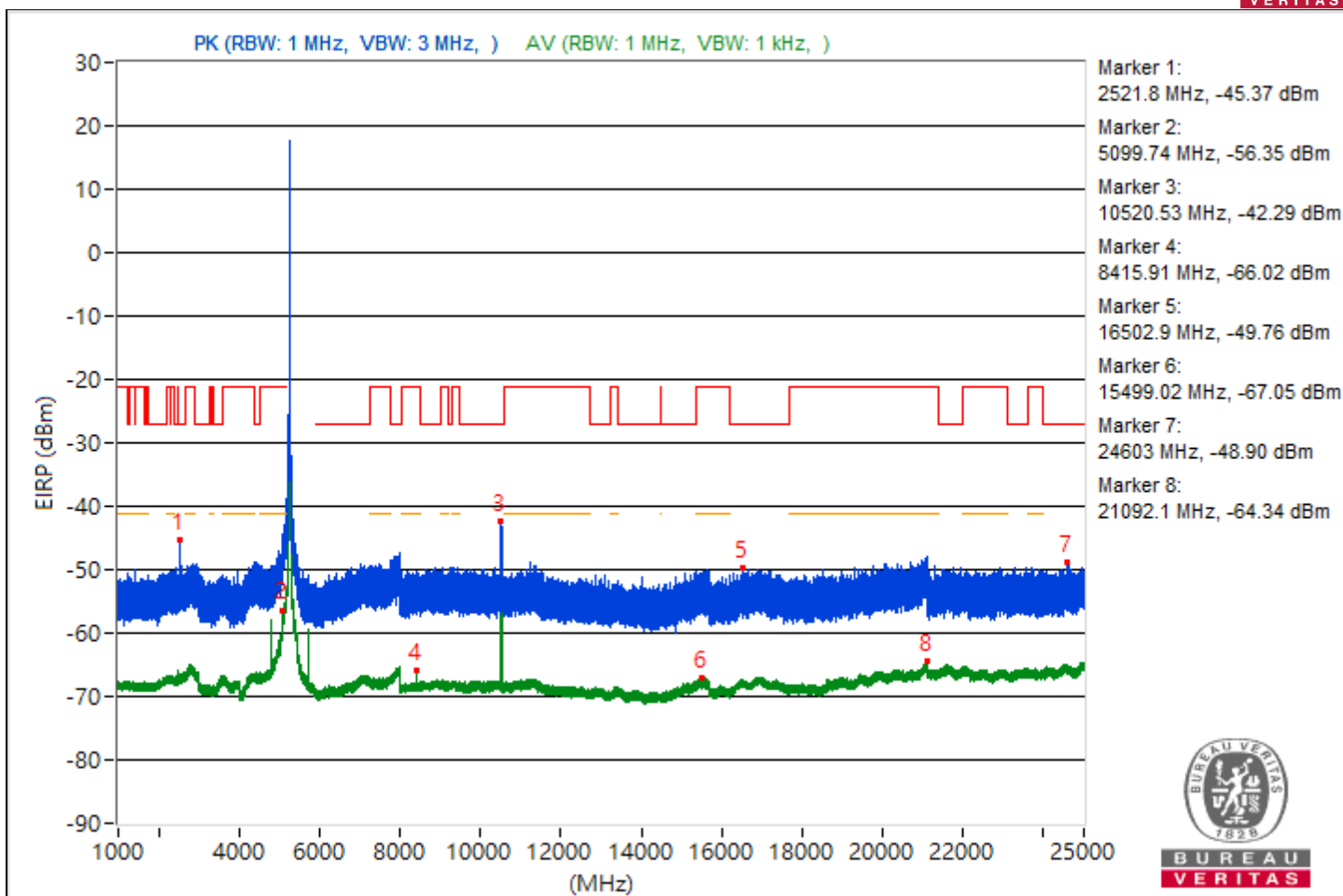
RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 66% RH	Tested By	Rex Wang

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	#2521.8	49.89 PK	68.26	-18.37	-50.97	5.6	-45.37
2	5099.74	38.91 AV	54	-15.09	-61.95	5.6	-56.35
3	#10520.53	52.97 PK	68.26	-15.29	-47.89	5.6	-42.29
4	8415.91	29.24 AV	54	-24.76	-71.62	5.6	-66.02
5	#16502.9	45.5 PK	68.26	-22.76	-55.36	5.6	-49.76
6	15499.02	28.21 AV	54	-25.79	-72.65	5.6	-67.05
7	#24603	46.36 PK	68.26	-21.9	-54.5	5.6	-48.9
8	21092.1	30.92 AV	54	-23.08	-69.94	5.6	-64.34
9	#38528.71	39.65 PK	68.26	-28.61	-61.21	5.6	-55.61
10	38936.36	30.02 AV	54	-23.98	-70.84	5.6	-65.24

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

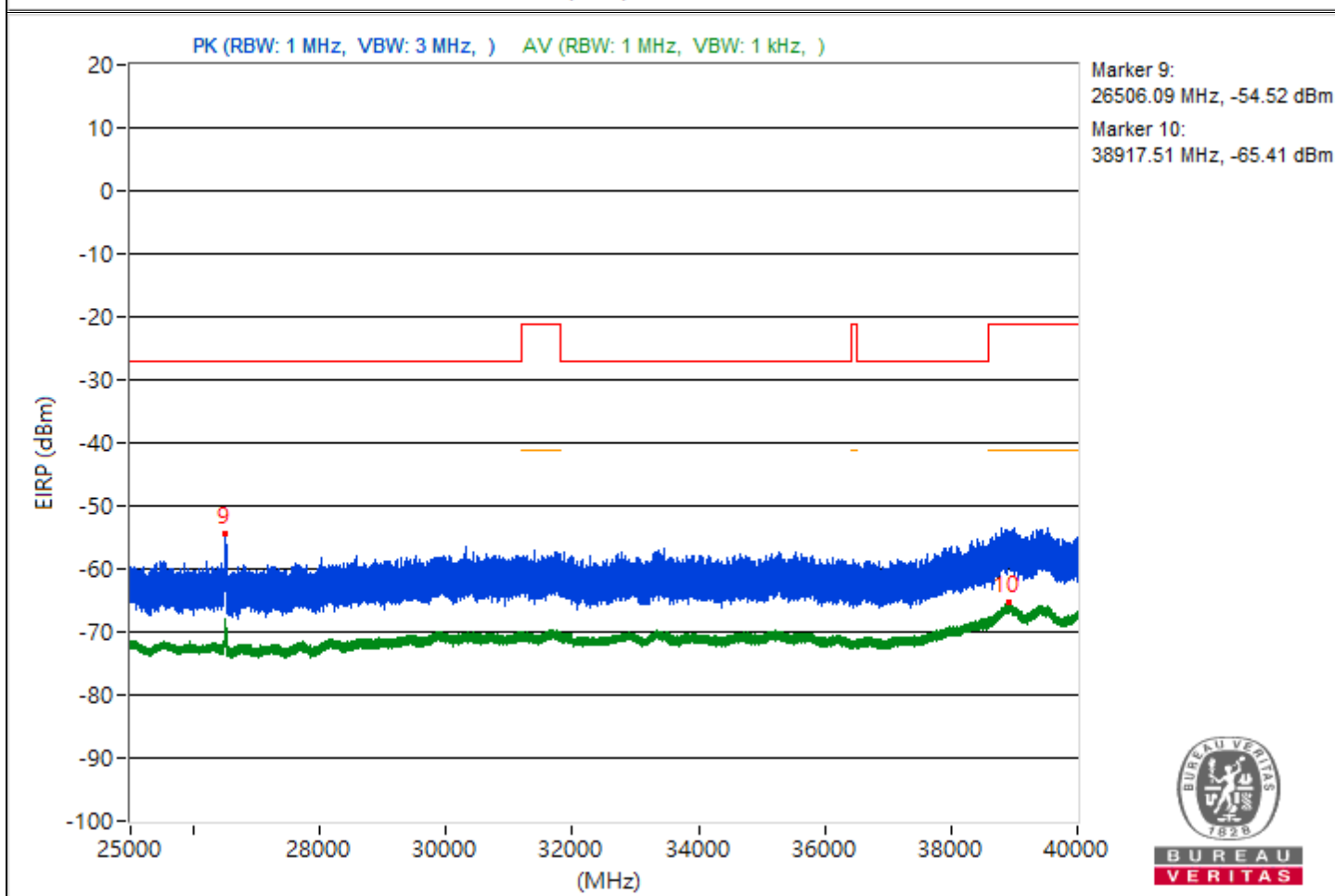
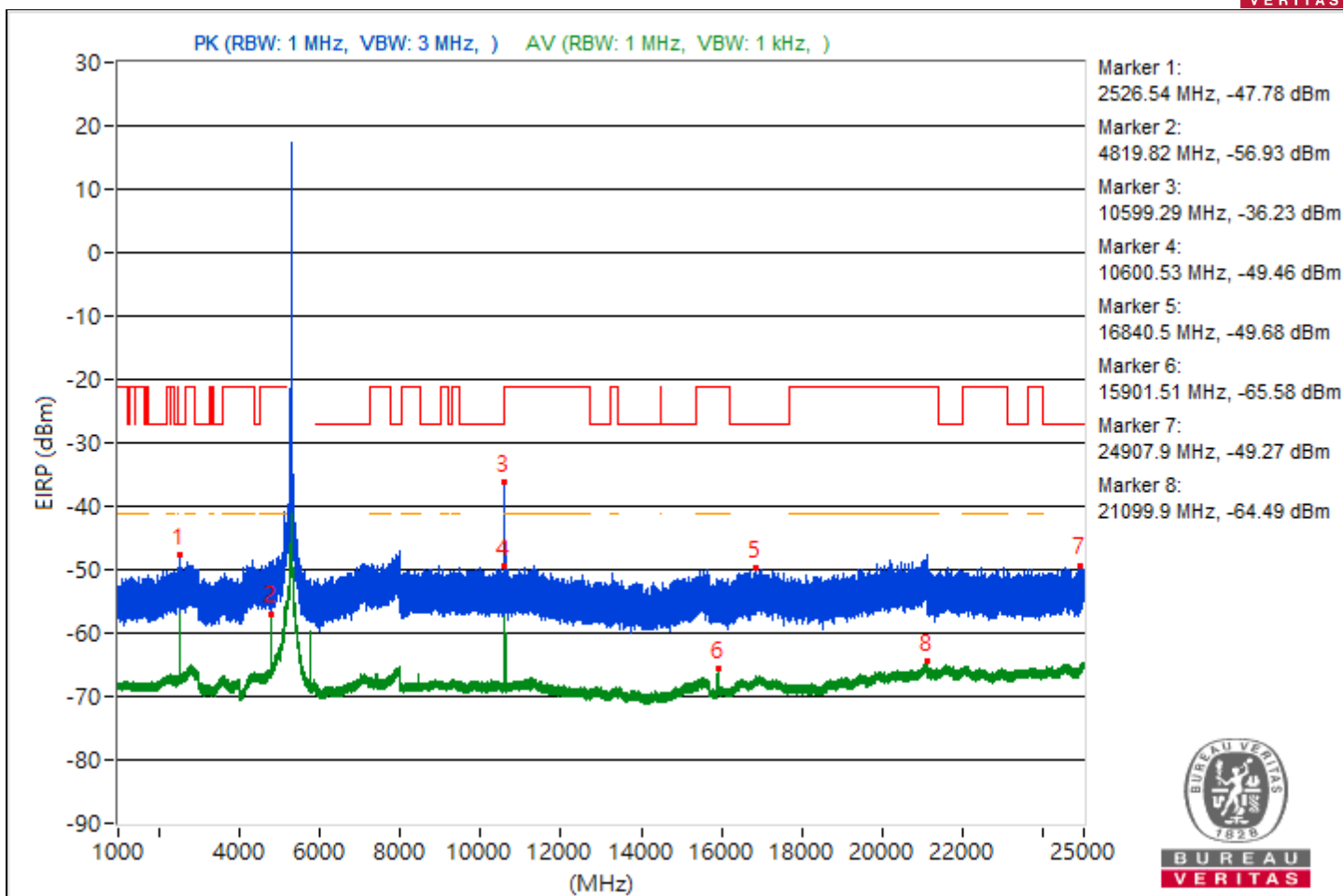


RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 66% RH	Tested By	Rex Wang

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	#2526.54	47.48 PK	68.26	-20.78	-53.38	5.6	-47.78
2	4819.82	38.33 AV	54	-15.67	-62.53	5.6	-56.93
3	#10599.29	59.03 PK	68.26	-9.23	-41.83	5.6	-36.23
4	10600.53	45.8 AV	54	-8.2	-55.06	5.6	-49.46
5	#16840.5	45.58 PK	68.26	-22.68	-55.28	5.6	-49.68
6	15901.51	29.68 AV	54	-24.32	-71.18	5.6	-65.58
7	#24907.9	45.99 PK	68.26	-22.27	-54.87	5.6	-49.27
8	21099.9	30.77 AV	54	-23.23	-70.09	5.6	-64.49
9	#26506.09	40.74 PK	68.26	-27.52	-60.12	5.6	-54.52
10	38917.51	29.85 AV	54	-24.15	-71.01	5.6	-65.41

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

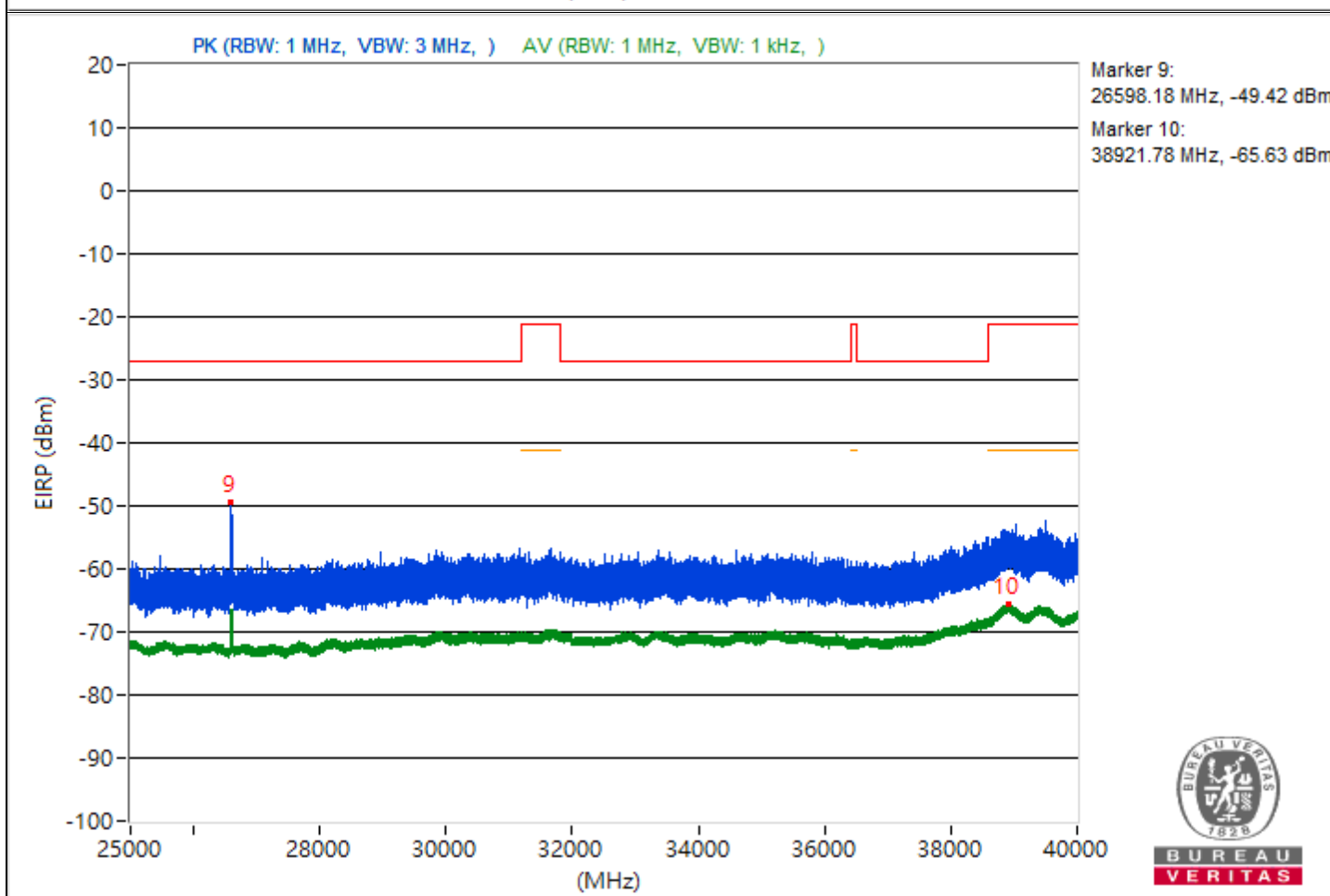
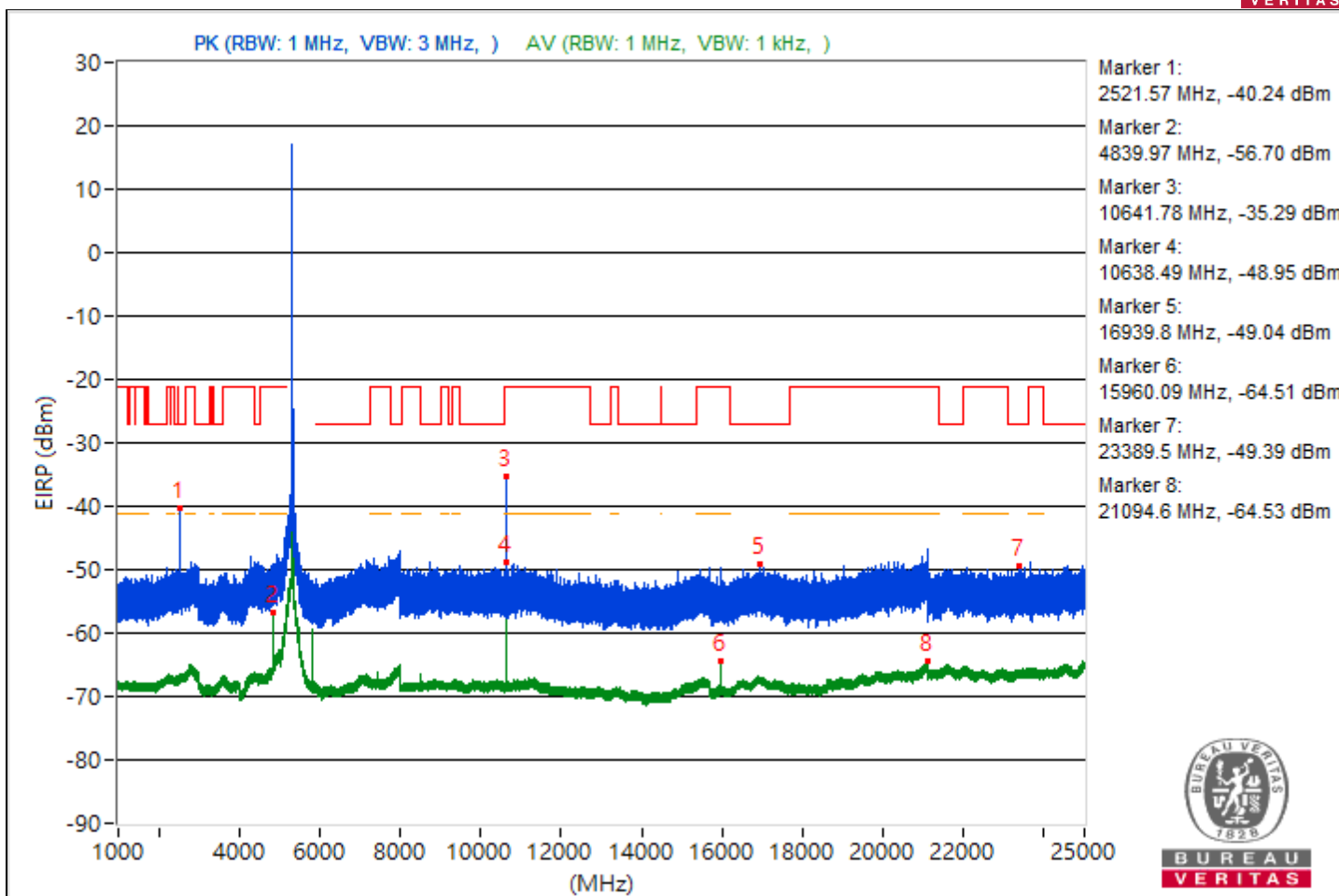


RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 66% RH	Tested By	Rex Wang

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	#2521.57	55.02 PK	68.26	-13.24	-45.84	5.6	-40.24
2	4839.97	38.56 AV	54	-15.44	-62.3	5.6	-56.7
3	10641.78	59.97 PK	74	-14.03	-40.89	5.6	-35.29
4	10638.49	46.31 AV	54	-7.69	-54.55	5.6	-48.95
5	#16939.8	46.22 PK	68.26	-22.04	-54.64	5.6	-49.04
6	15960.09	30.75 AV	54	-23.25	-70.11	5.6	-64.51
7	#23389.5	45.87 PK	68.26	-22.39	-54.99	5.6	-49.39
8	21094.6	30.73 AV	54	-23.27	-70.13	5.6	-64.53
9	#26598.18	45.84 PK	68.26	-22.42	-55.02	5.6	-49.42
10	38921.78	29.63 AV	54	-24.37	-71.23	5.6	-65.63

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

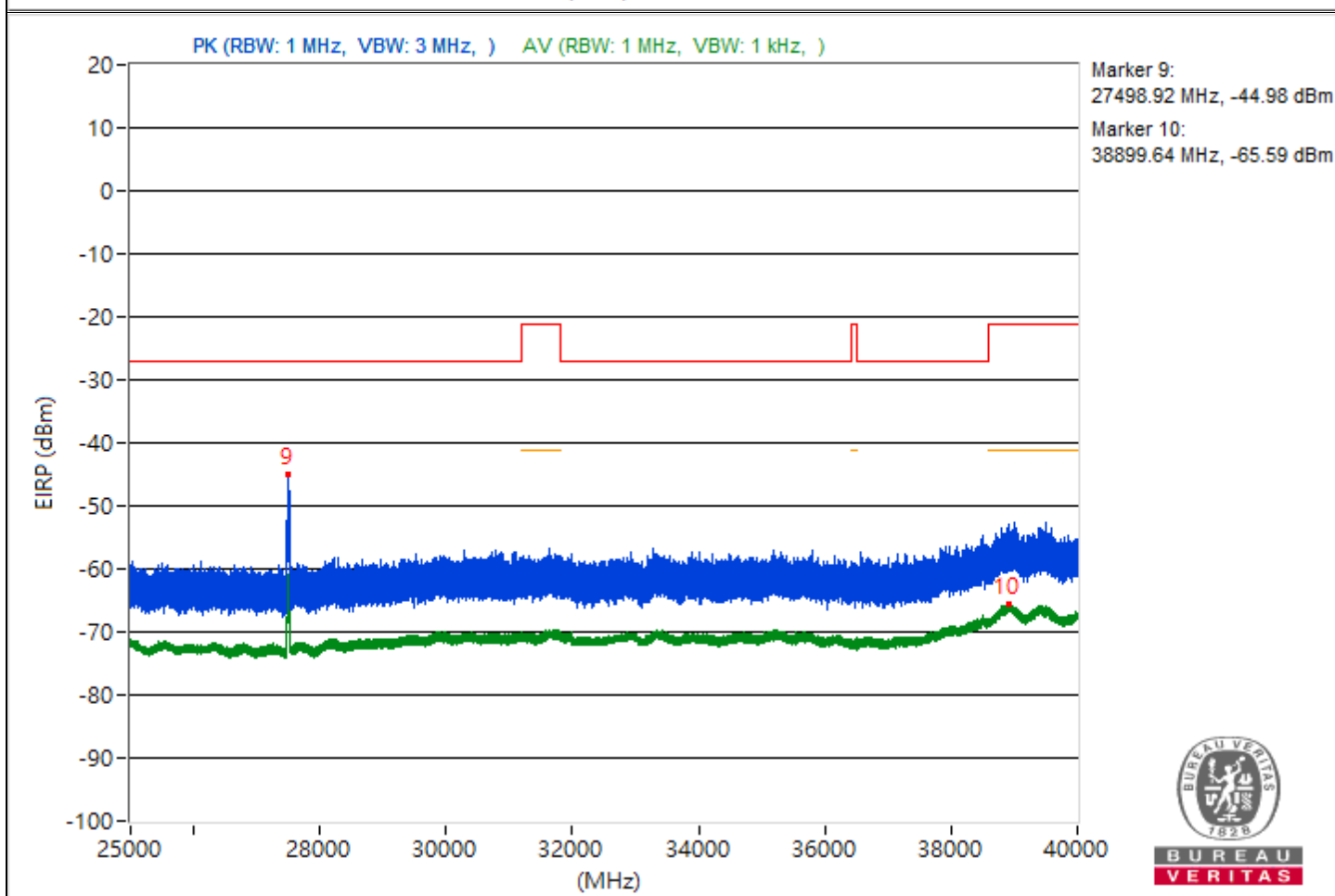
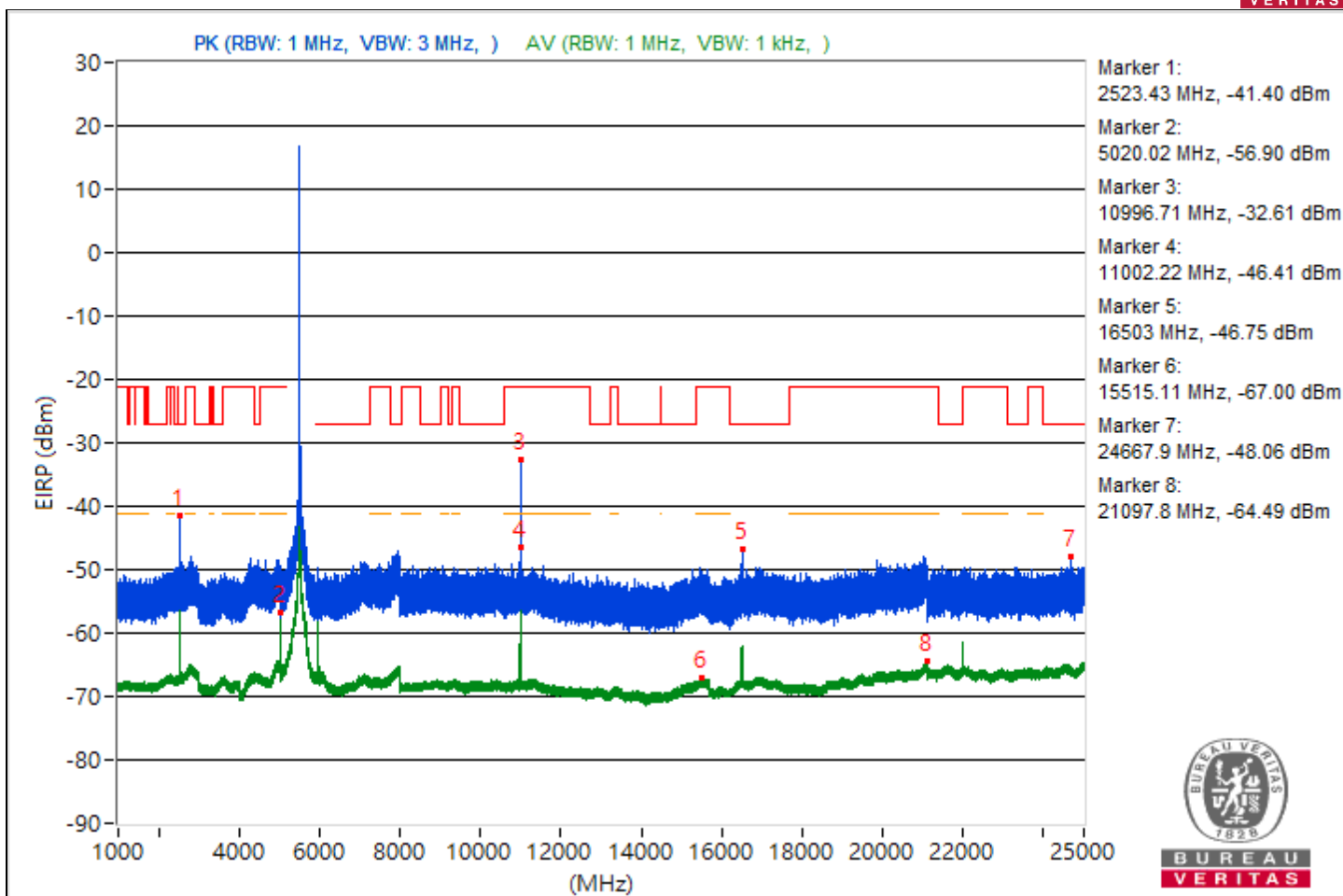


RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 66% RH	Tested By	Rex Wang

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	#2523.43	53.86 PK	68.26	-14.4	-47	5.6	-41.4
2	5020.02	38.36 AV	54	-15.64	-62.5	5.6	-56.9
3	10996.71	62.65 PK	74	-11.35	-38.21	5.6	-32.61
4	11002.22	48.85 AV	54	-5.15	-52.01	5.6	-46.41
5	#16503	48.51 PK	68.26	-19.75	-52.35	5.6	-46.75
6	15515.11	28.26 AV	54	-25.74	-72.6	5.6	-67
7	#24667.9	47.2 PK	68.26	-21.06	-53.66	5.6	-48.06
8	21097.8	30.77 AV	54	-23.23	-70.09	5.6	-64.49
9	#27498.92	50.28 PK	68.26	-17.98	-50.58	5.6	-44.98
10	38899.64	29.67 AV	54	-24.33	-71.19	5.6	-65.59

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

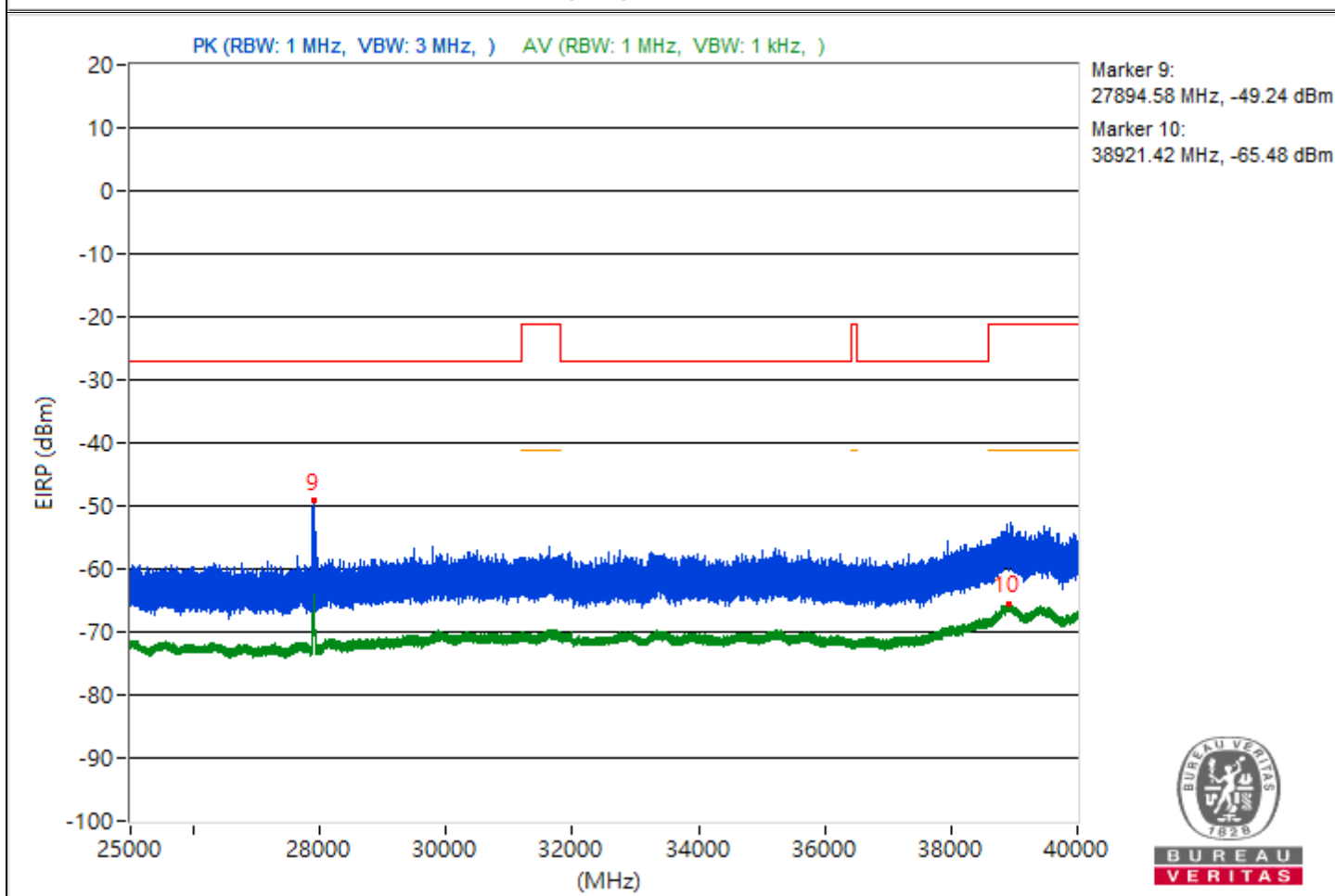
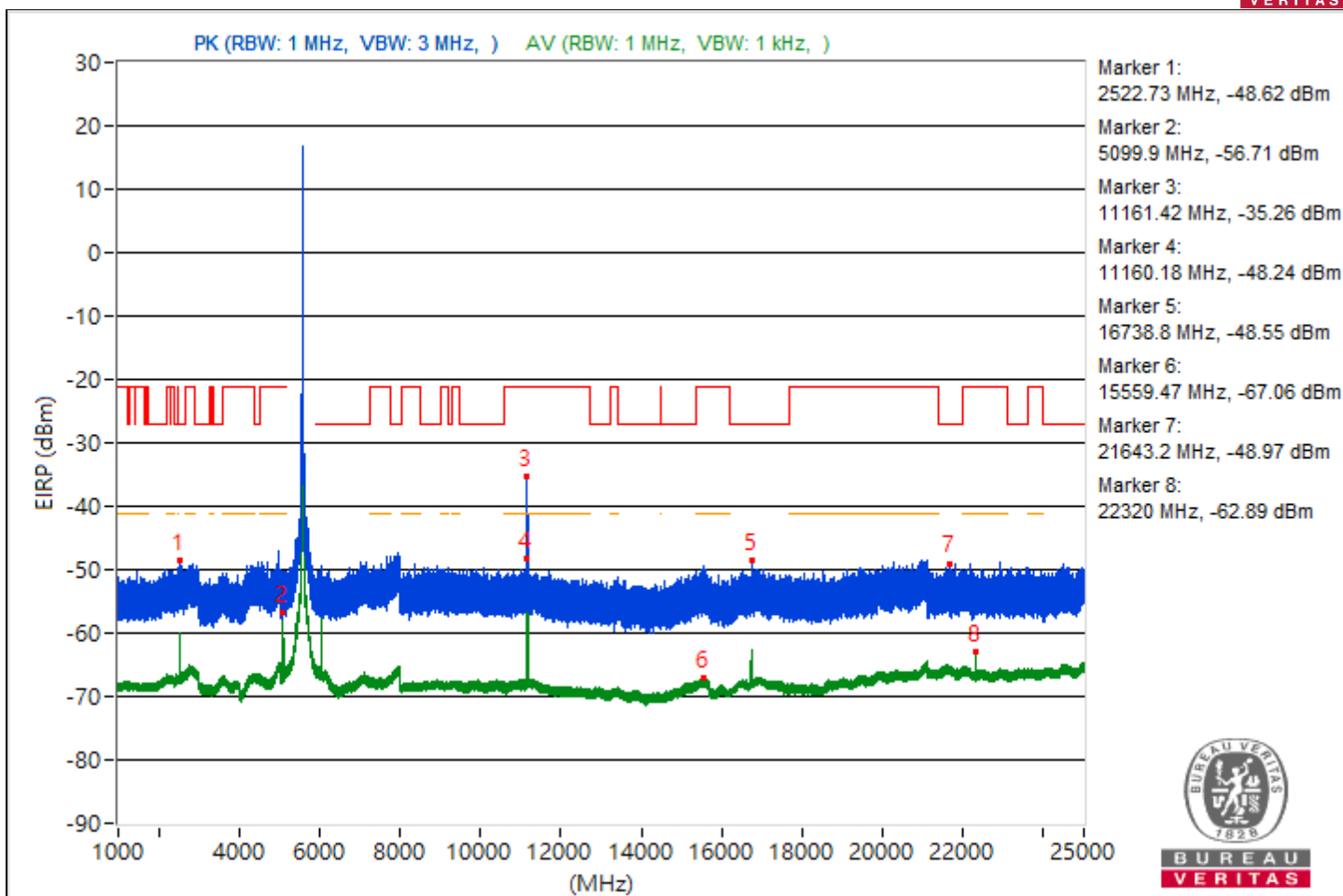


RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 66% RH	Tested By	Rex Wang

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	#2522.73	46.64 PK	68.26	-21.62	-54.22	5.6	-48.62
2	5099.9	38.55 AV	54	-15.45	-62.31	5.6	-56.71
3	11161.42	60 PK	74	-14	-40.86	5.6	-35.26
4	11160.18	47.02 AV	54	-6.98	-53.84	5.6	-48.24
5	#16738.8	46.71 PK	68.26	-21.55	-54.15	5.6	-48.55
6	15559.47	28.2 AV	54	-25.8	-72.66	5.6	-67.06
7	#21643.2	46.29 PK	68.26	-21.97	-54.57	5.6	-48.97
8	22320	32.37 AV	54	-21.63	-68.49	5.6	-62.89
9	#27894.58	46.02 PK	68.26	-22.24	-54.84	5.6	-49.24
10	38921.42	29.78 AV	54	-24.22	-71.08	5.6	-65.48

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

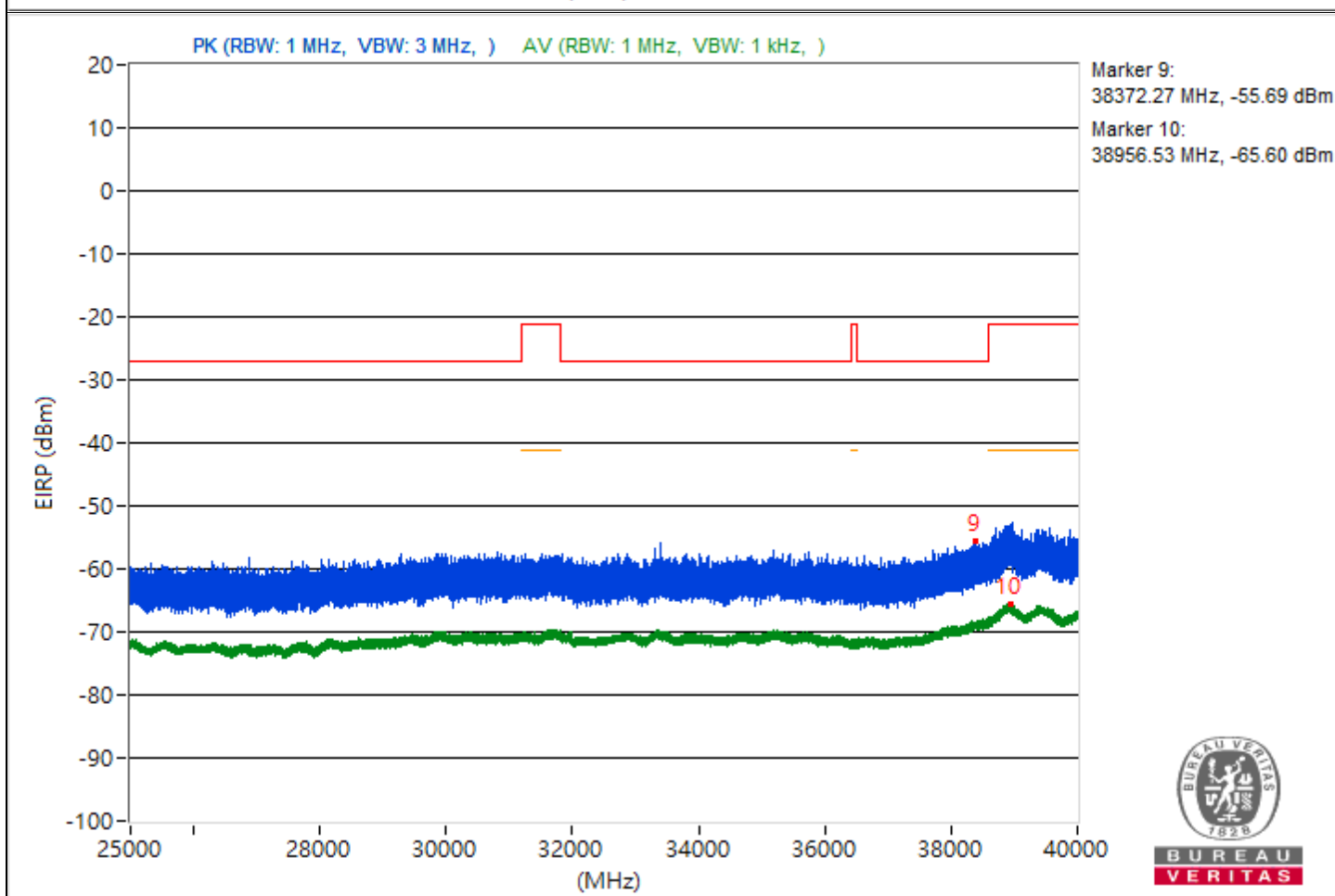
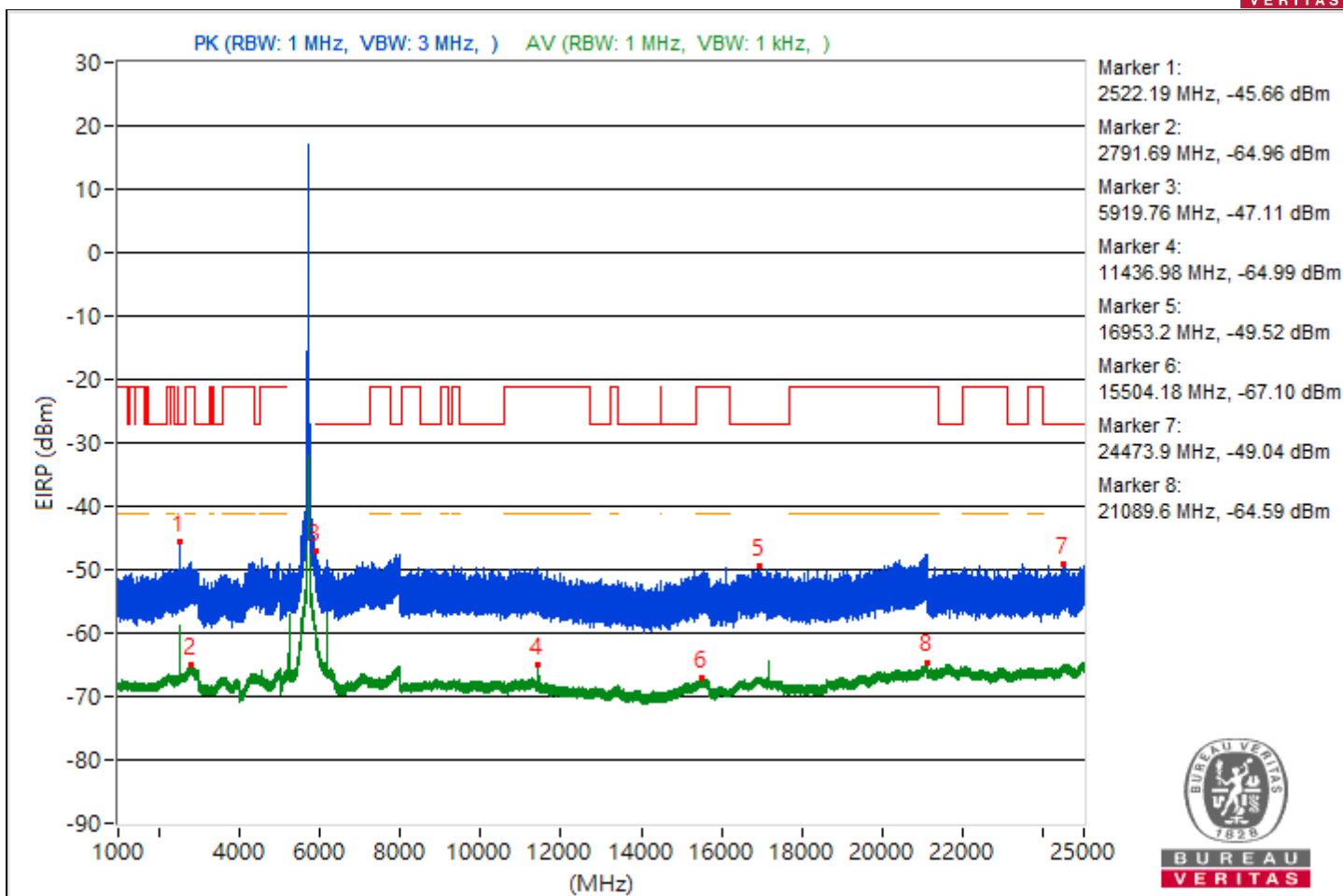


RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 66% RH	Tested By	Rex Wang

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	#2522.19	49.6 PK	68.26	-18.66	-51.26	5.6	-45.66
2	2791.69	30.3 AV	54	-23.7	-70.56	5.6	-64.96
3	#5919.76	48.15 PK	68.26	-20.11	-52.71	5.6	-47.11
4	11436.98	30.27 AV	54	-23.73	-70.59	5.6	-64.99
5	#16953.2	45.74 PK	68.26	-22.52	-55.12	5.6	-49.52
6	15504.18	28.16 AV	54	-25.84	-72.7	5.6	-67.1
7	#24473.9	46.22 PK	68.26	-22.04	-54.64	5.6	-49.04
8	21089.6	30.67 AV	54	-23.33	-70.19	5.6	-64.59
9	#38372.27	39.57 PK	68.26	-28.69	-61.29	5.6	-55.69
10	38956.53	29.66 AV	54	-24.34	-71.2	5.6	-65.6

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

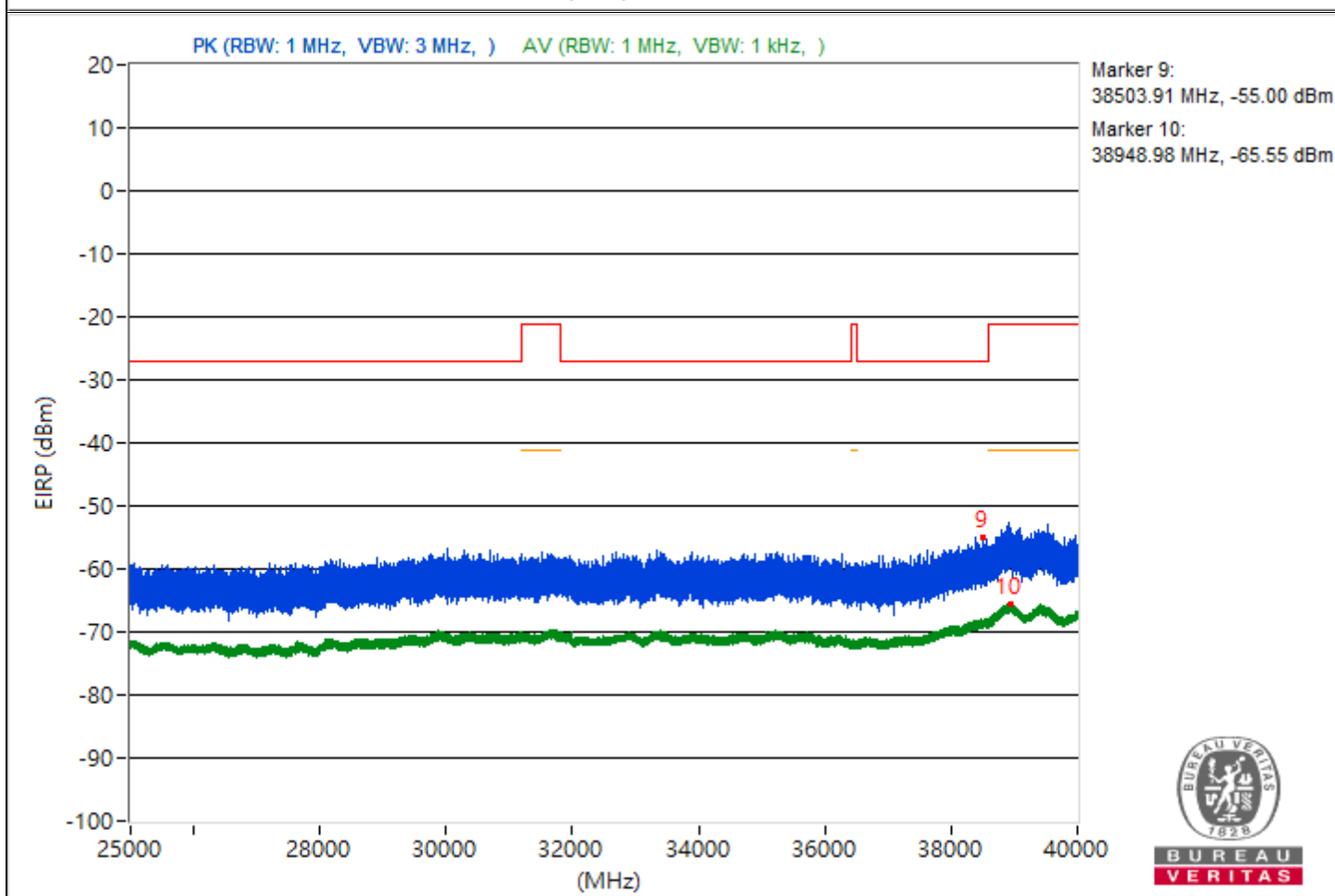
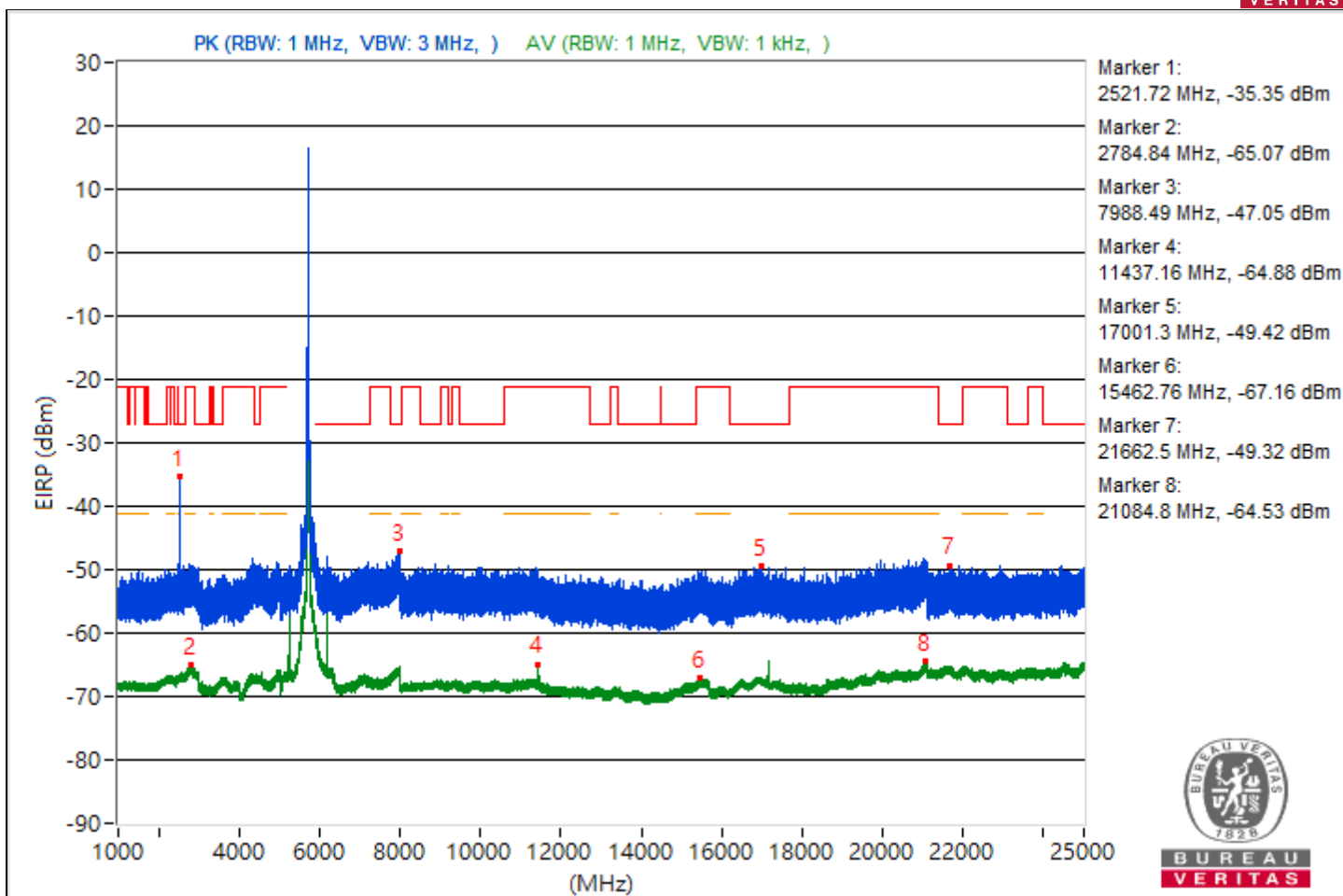


RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 66% RH	Tested By	Rex Wang

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	#2521.72	59.91 PK	68.26	-8.35	-40.95	5.6	-35.35
2	2784.84	30.19 AV	54	-23.81	-70.67	5.6	-65.07
3	#7988.49	48.21 PK	68.26	-20.05	-52.65	5.6	-47.05
4	11437.16	30.38 AV	54	-23.62	-70.48	5.6	-64.88
5	#17001.3	45.84 PK	68.26	-22.42	-55.02	5.6	-49.42
6	15462.76	28.1 AV	54	-25.9	-72.76	5.6	-67.16
7	#21662.5	45.94 PK	68.26	-22.32	-54.92	5.6	-49.32
8	21084.8	30.73 AV	54	-23.27	-70.13	5.6	-64.53
9	#38503.91	40.26 PK	68.26	-28	-60.6	5.6	-55
10	38948.98	29.71 AV	54	-24.29	-71.15	5.6	-65.55

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

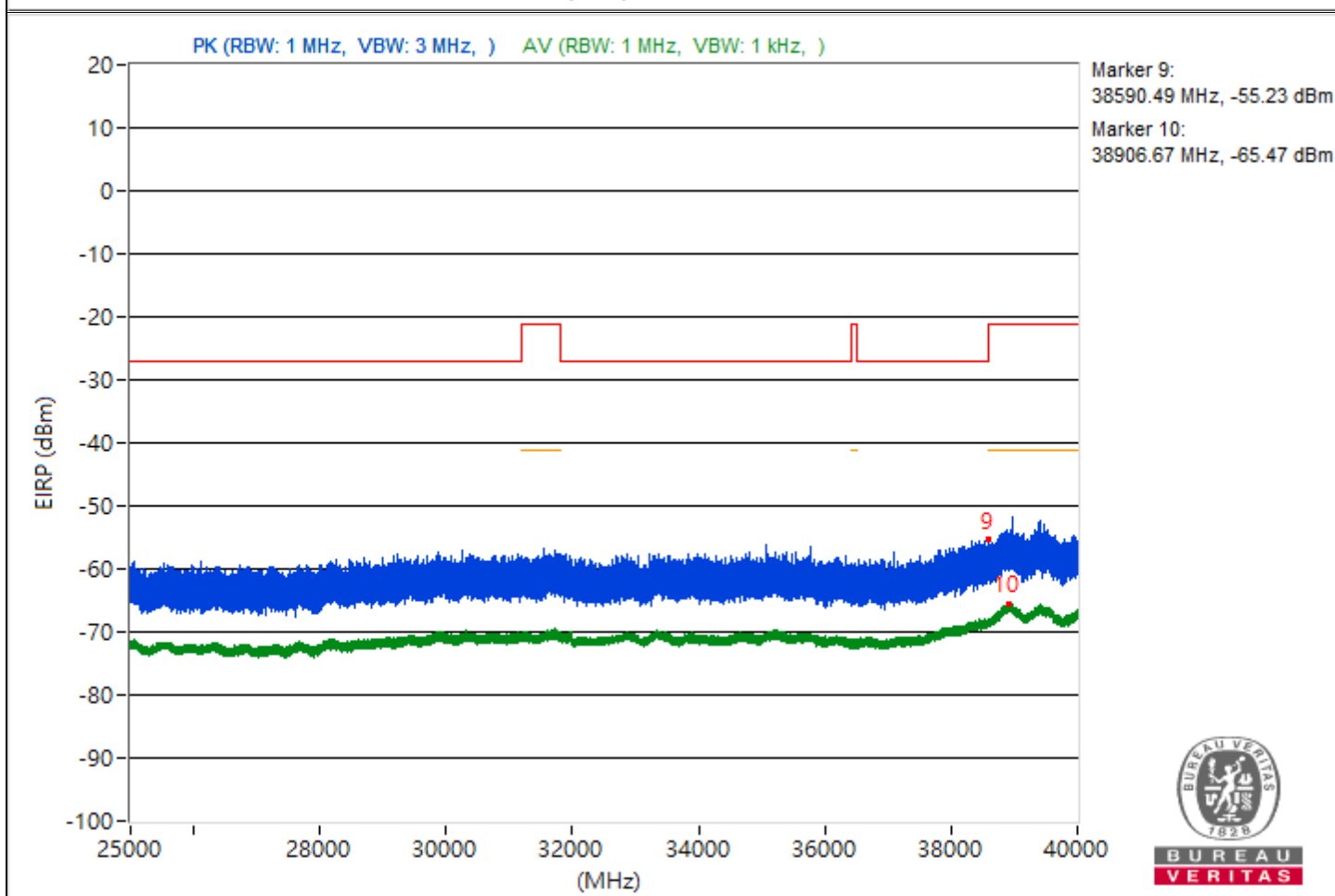
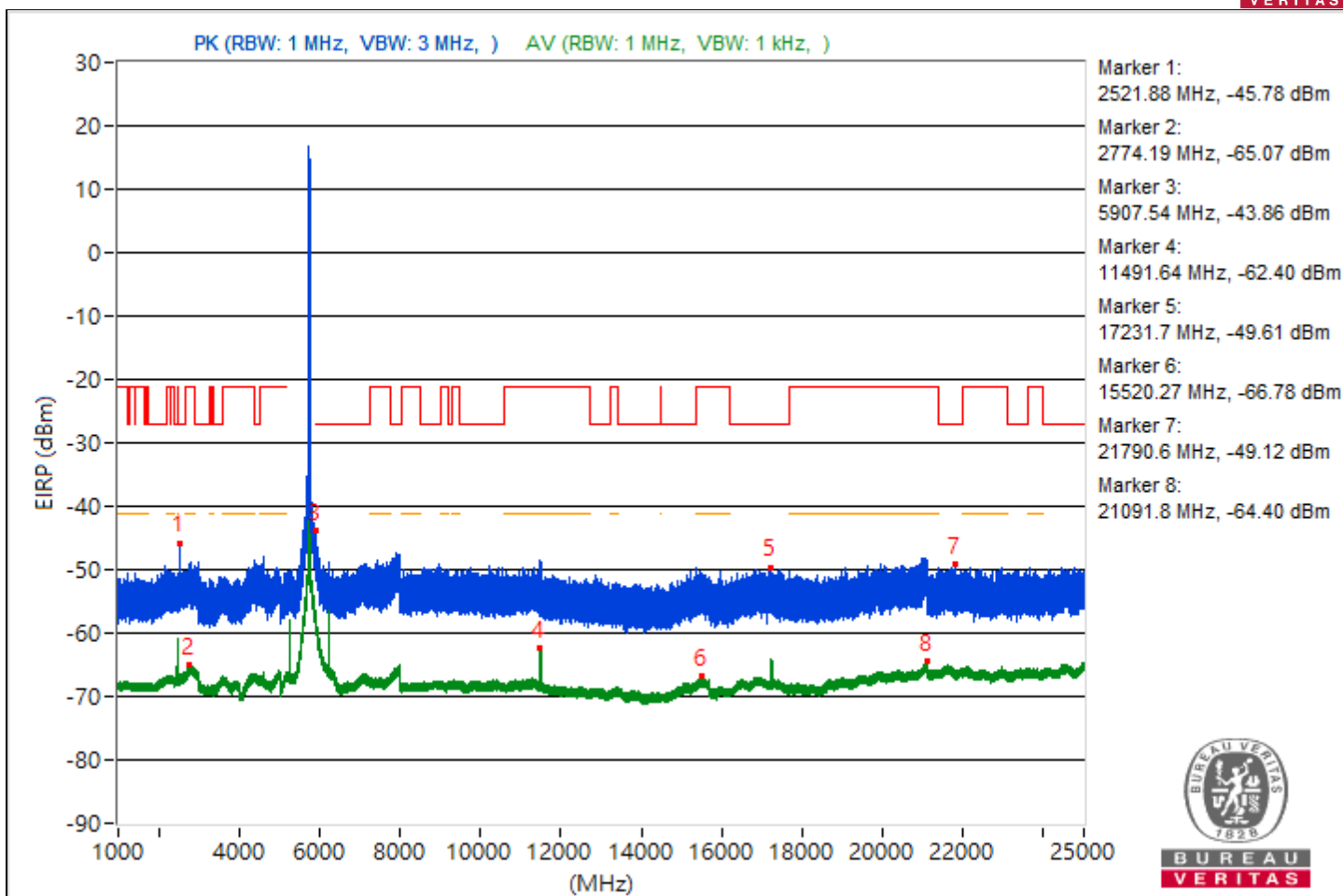


RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 66% RH	Tested By	Rex Wang

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	#2521.88	49.48 PK	68.26	-18.78	-51.38	5.6	-45.78
2	2774.19	30.19 AV	54	-23.81	-70.67	5.6	-65.07
3	#5907.54	51.4 PK	68.26	-16.86	-49.46	5.6	-43.86
4	11491.64	32.86 AV	54	-21.14	-68	5.6	-62.4
5	#17231.7	45.65 PK	68.26	-22.61	-55.21	5.6	-49.61
6	15520.27	28.48 AV	54	-25.52	-72.38	5.6	-66.78
7	#21790.6	46.14 PK	68.26	-22.12	-54.72	5.6	-49.12
8	21091.8	30.86 AV	54	-23.14	-70	5.6	-64.4
9	#38590.49	40.03 PK	68.26	-28.23	-60.83	5.6	-55.23
10	38906.67	29.79 AV	54	-24.21	-71.07	5.6	-65.47

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

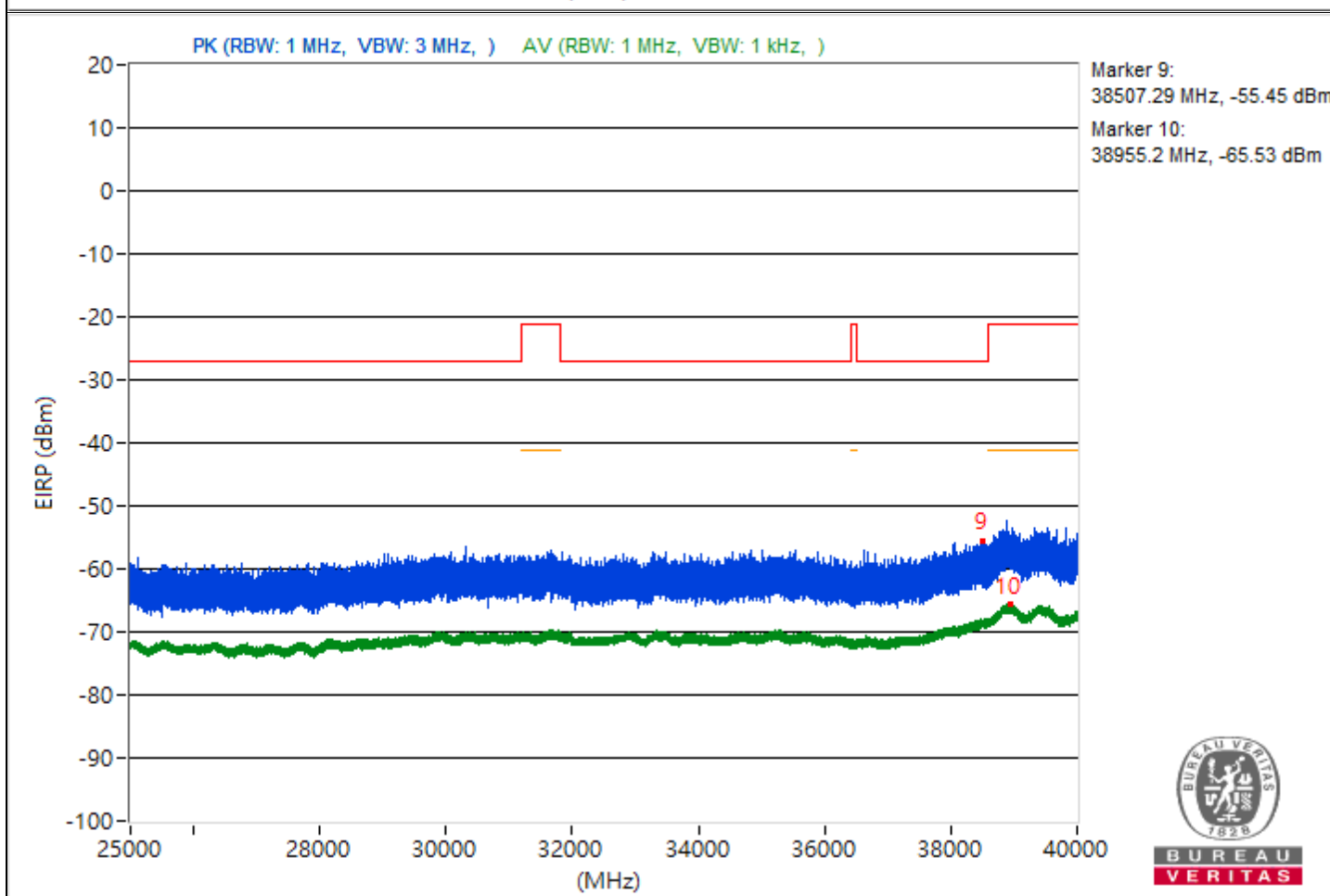
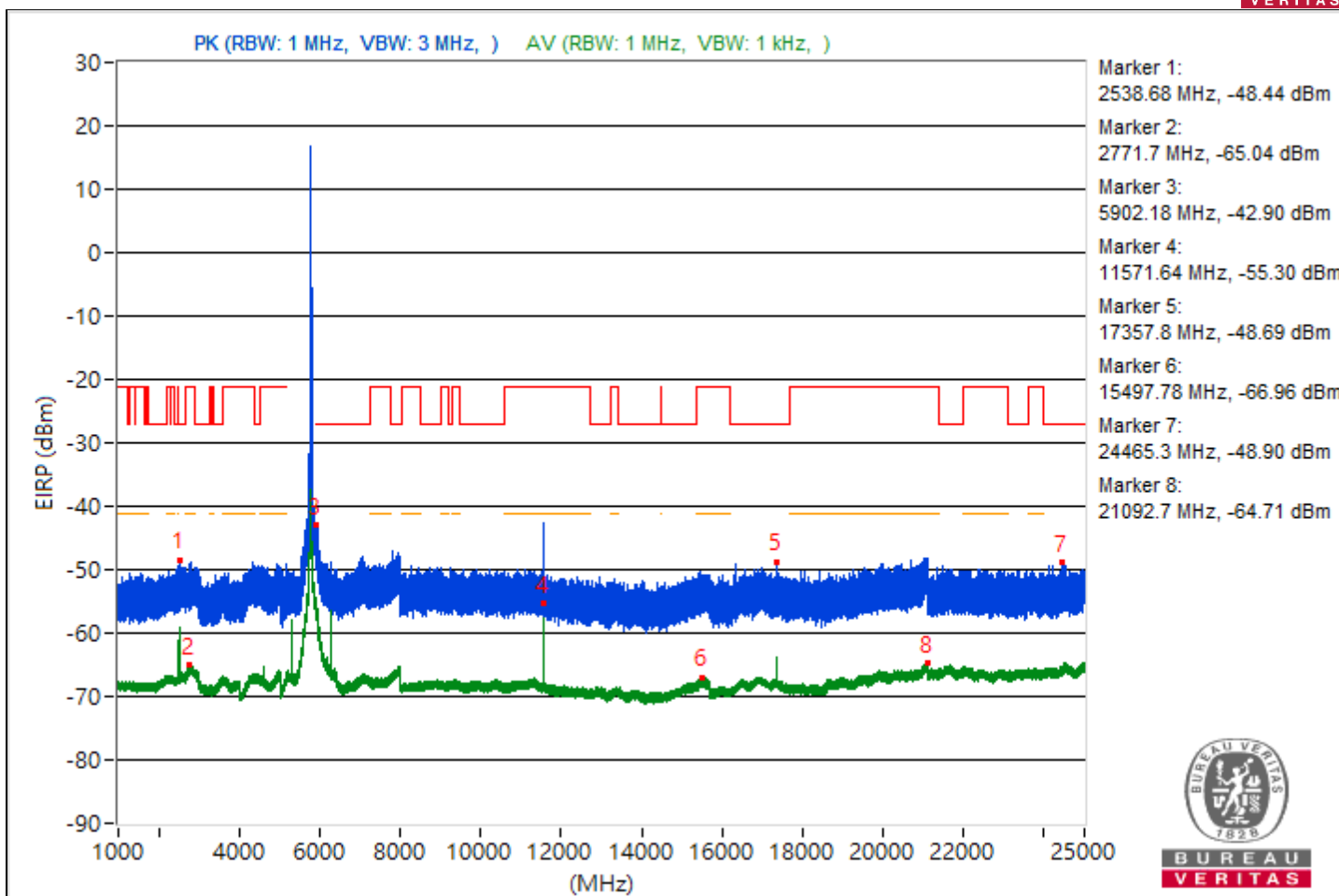


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 66% RH	Tested By	Rex Wang

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	#2538.68	46.82 PK	68.26	-21.44	-54.04	5.6	-48.44
2	2771.7	30.22 AV	54	-23.78	-70.64	5.6	-65.04
3	#5902.18	52.36 PK	68.26	-15.9	-48.5	5.6	-42.9
4	11571.64	39.96 AV	54	-14.04	-60.9	5.6	-55.3
5	#17357.8	46.57 PK	68.26	-21.69	-54.29	5.6	-48.69
6	15497.78	28.3 AV	54	-25.7	-72.56	5.6	-66.96
7	#24465.3	46.36 PK	68.26	-21.9	-54.5	5.6	-48.9
8	21092.7	30.55 AV	54	-23.45	-70.31	5.6	-64.71
9	#38507.29	39.81 PK	68.26	-28.45	-61.05	5.6	-55.45
10	38955.2	29.73 AV	54	-24.27	-71.13	5.6	-65.53

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

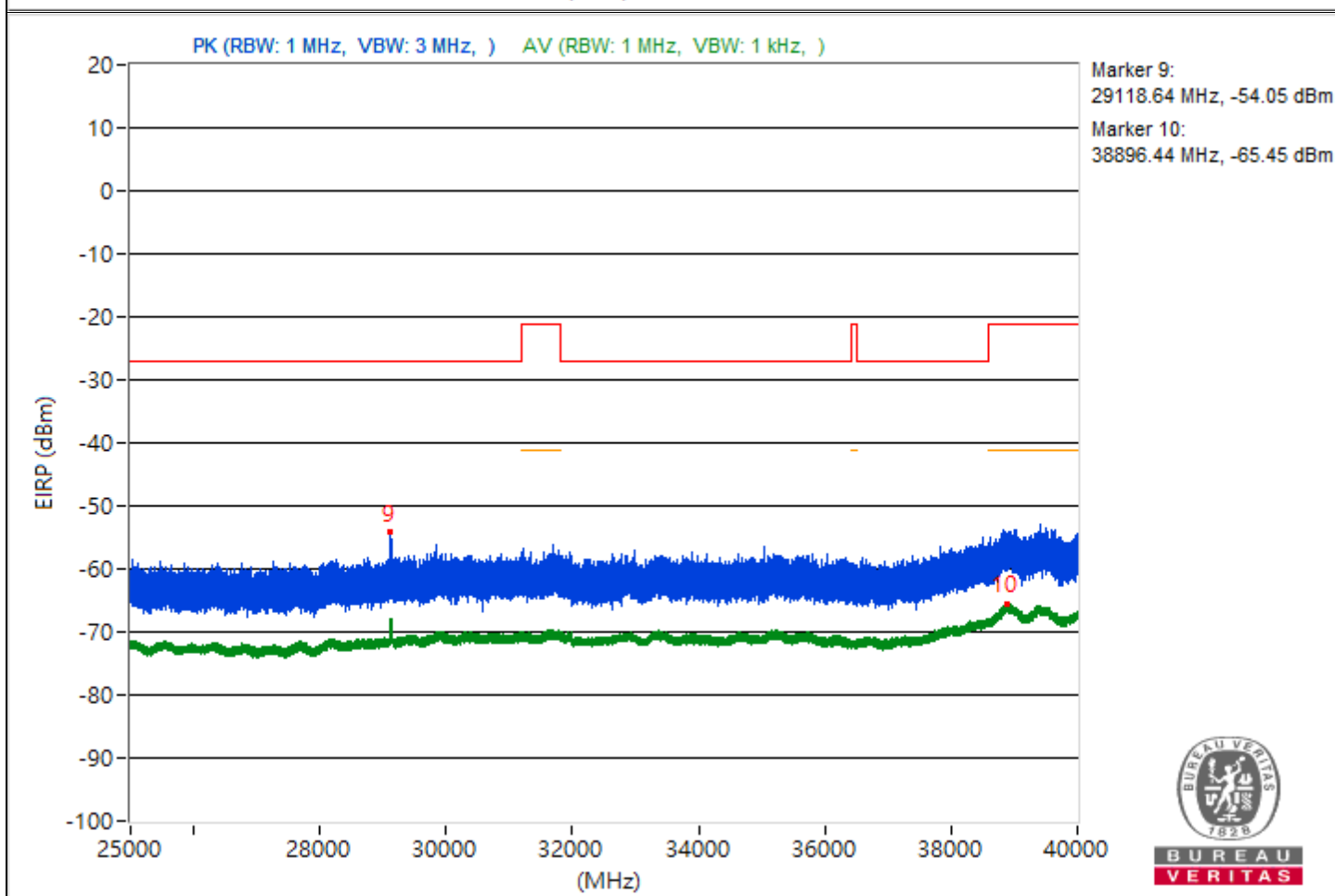
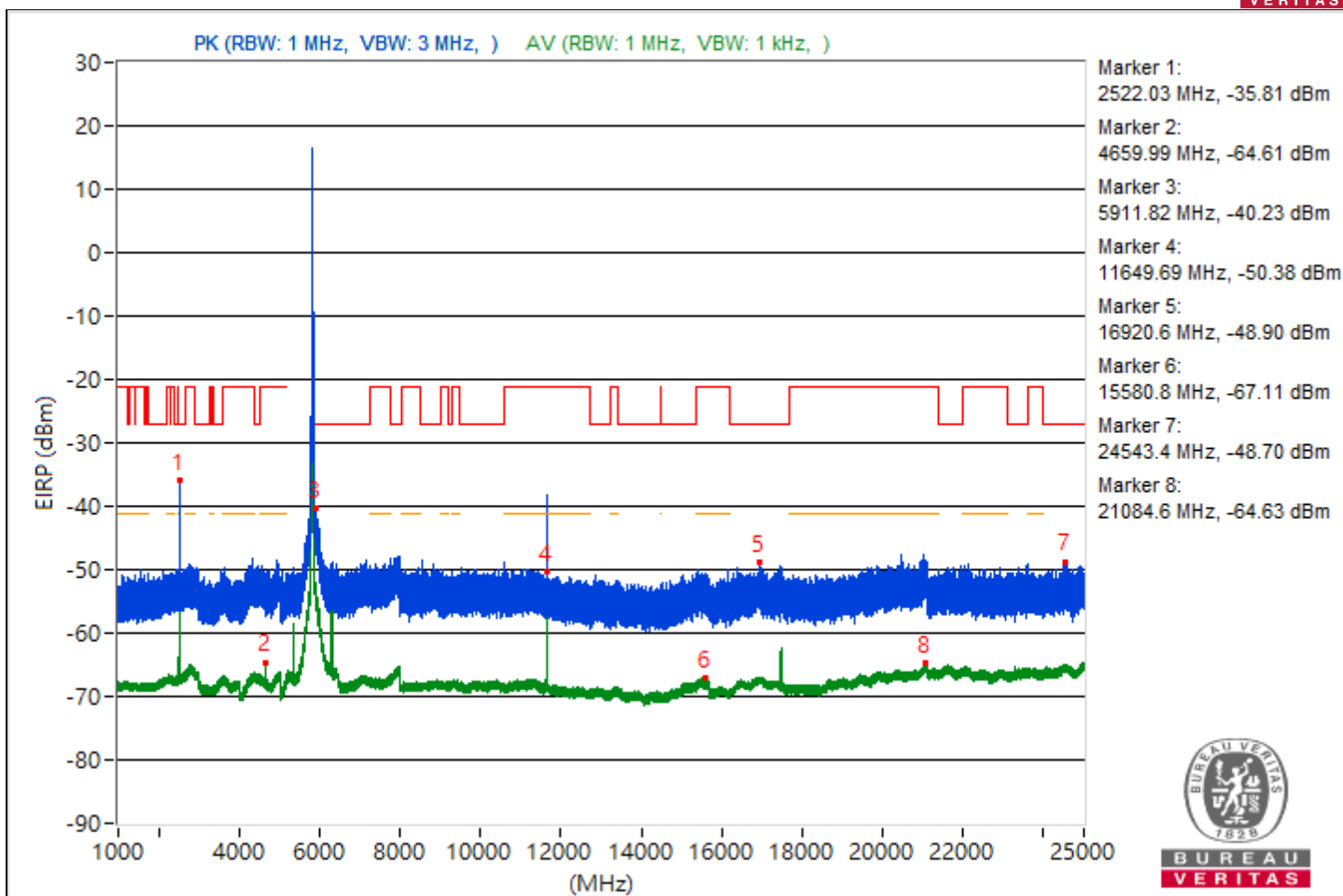


RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 66% RH	Tested By	Rex Wang

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	#2522.03	59.45 PK	68.26	-8.81	-41.41	5.6	-35.81
2	4659.99	30.65 AV	54	-23.35	-70.21	5.6	-64.61
3	#5911.82	55.03 PK	68.26	-13.23	-45.83	5.6	-40.23
4	11649.69	44.88 AV	54	-9.12	-55.98	5.6	-50.38
5	#16920.6	46.36 PK	68.26	-21.9	-54.5	5.6	-48.9
6	15580.8	28.15 AV	54	-25.85	-72.71	5.6	-67.11
7	#24543.4	46.56 PK	68.26	-21.7	-54.3	5.6	-48.7
8	21084.6	30.63 AV	54	-23.37	-70.23	5.6	-64.63
9	#29118.64	41.21 PK	68.26	-27.05	-59.65	5.6	-54.05
10	38896.44	29.81 AV	54	-24.19	-71.05	5.6	-65.45

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

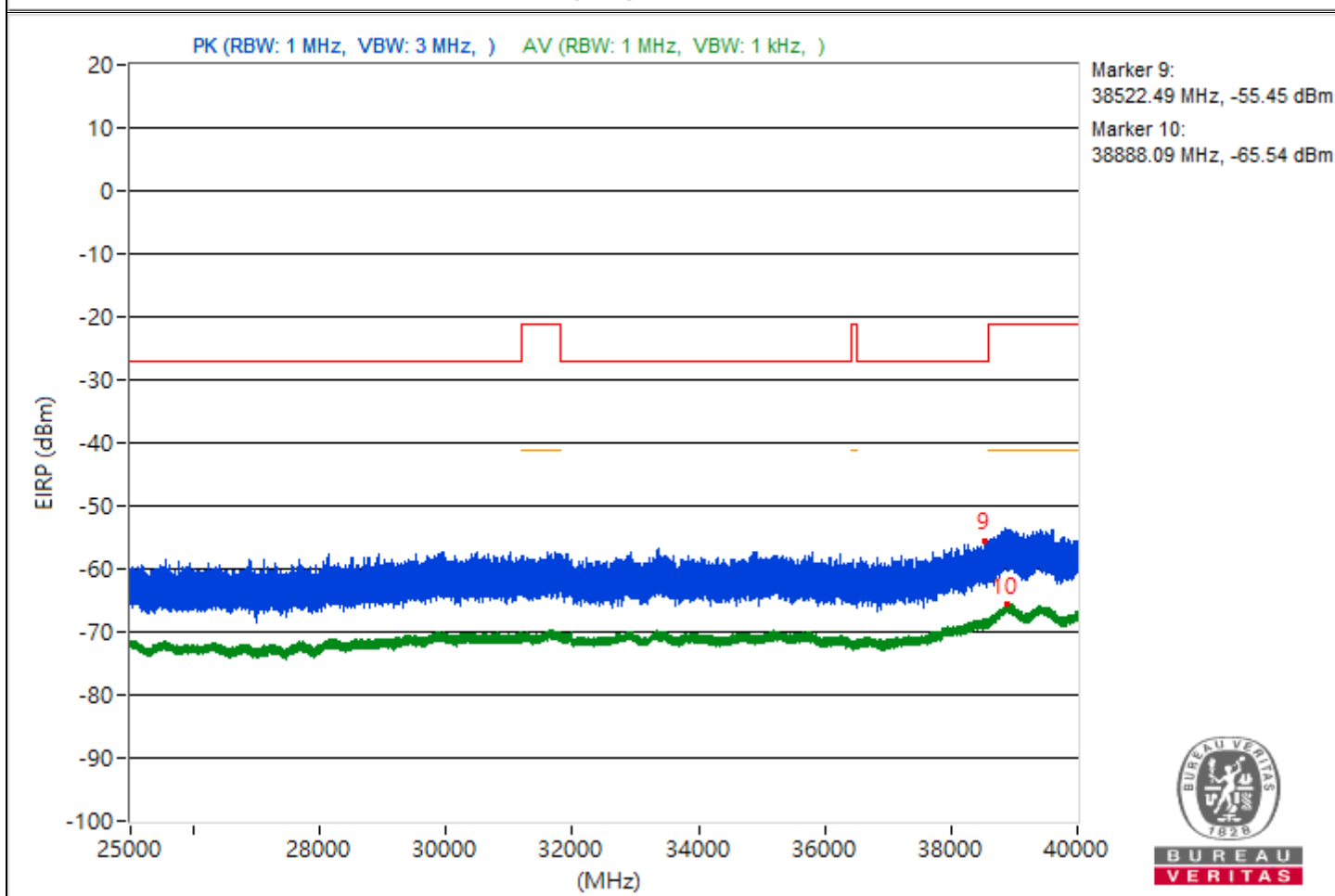
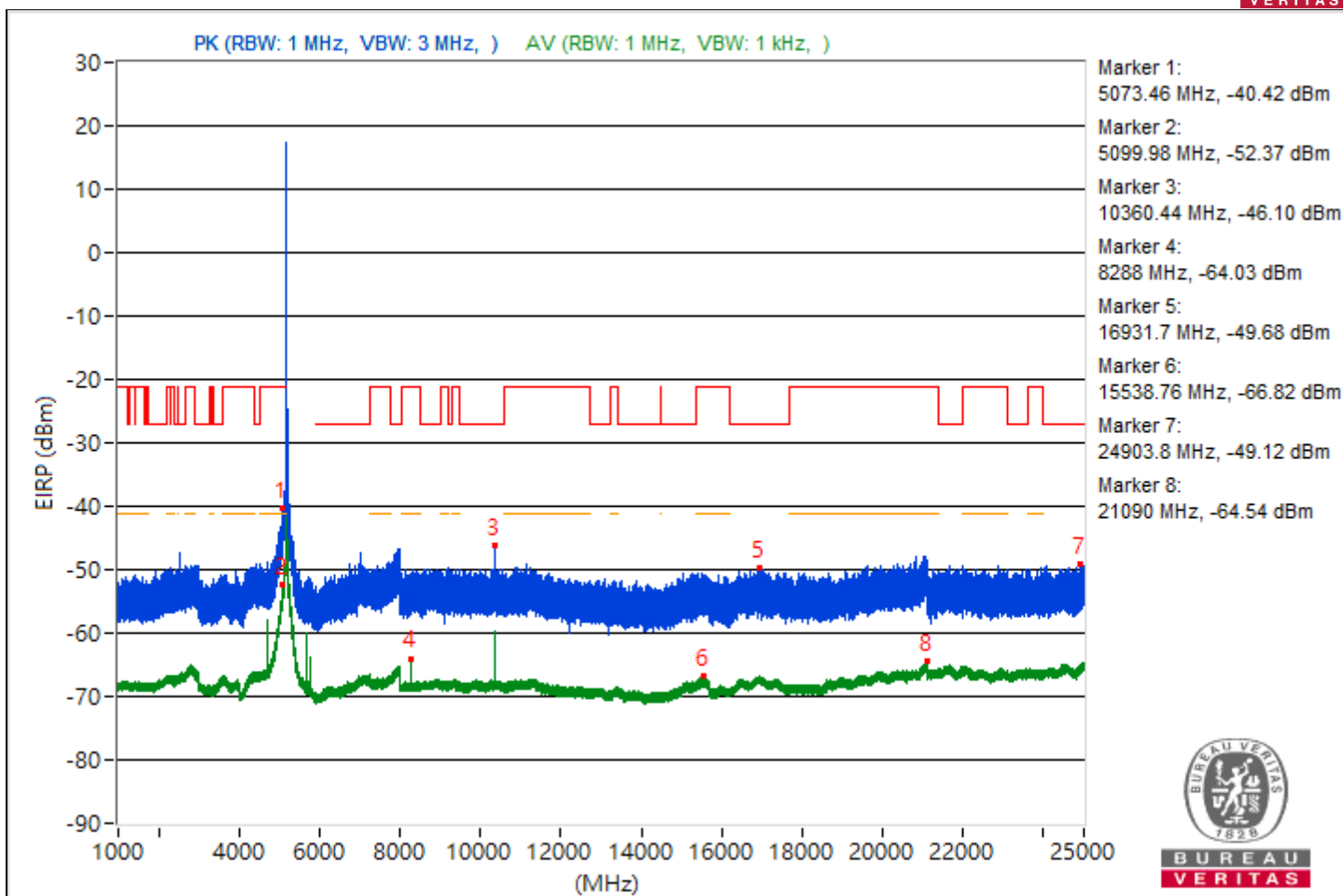


RF Mode	802.11ac (VHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	5073.46	54.84 PK	74	-19.16	-46.02	5.6	-40.42
2	5099.98	42.89 AV	54	-11.11	-57.97	5.6	-52.37
3	#10360.44	49.16 PK	68.26	-19.1	-51.7	5.6	-46.1
4	8288	31.23 AV	54	-22.77	-69.63	5.6	-64.03
5	#16931.7	45.58 PK	68.26	-22.68	-55.28	5.6	-49.68
6	15538.76	28.44 AV	54	-25.56	-72.42	5.6	-66.82
7	#24903.8	46.14 PK	68.26	-22.12	-54.72	5.6	-49.12
8	21090	30.72 AV	54	-23.28	-70.14	5.6	-64.54
9	#38522.49	39.81 PK	68.26	-28.45	-61.05	5.6	-55.45
10	38888.09	29.72 AV	54	-24.28	-71.14	5.6	-65.54

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

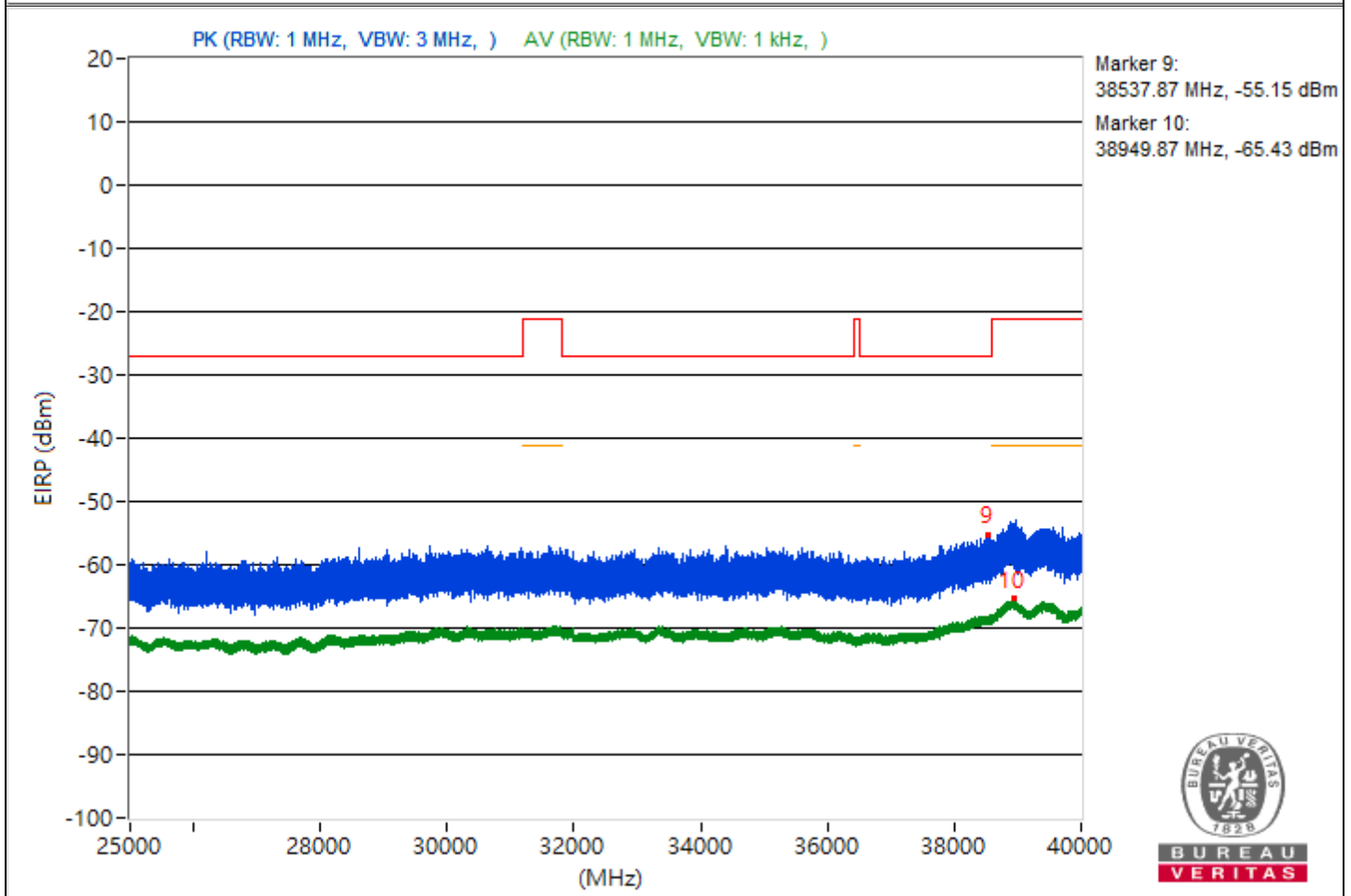
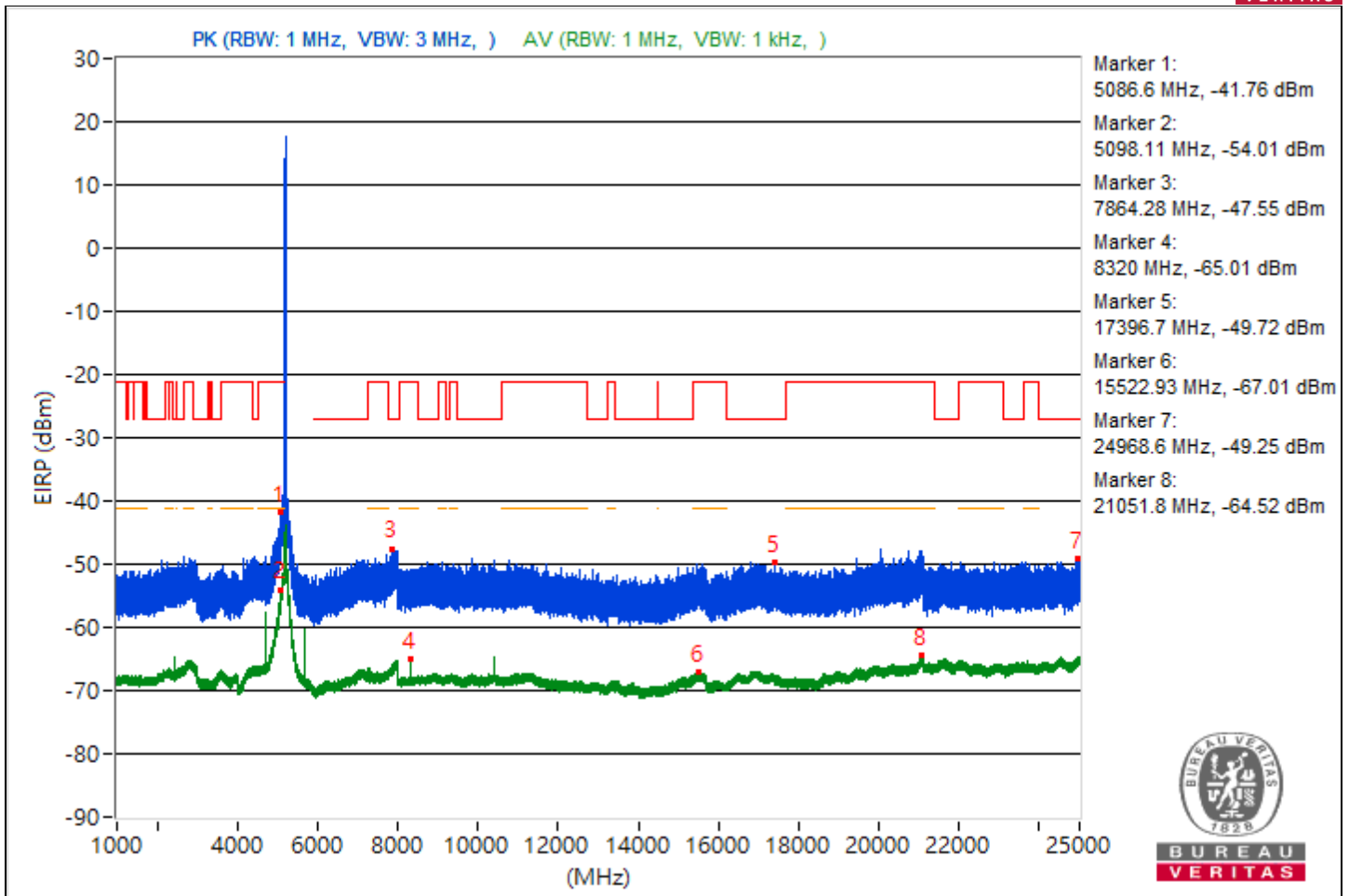


RF Mode	802.11ac (VHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	5086.6	53.5 PK	74	-20.5	-47.36	5.6	-41.76
2	5098.11	41.25 AV	54	-12.75	-59.61	5.6	-54.01
3	#7864.28	47.71 PK	68.26	-20.55	-53.15	5.6	-47.55
4	8320	30.25 AV	54	-23.75	-70.61	5.6	-65.01
5	#17396.7	45.54 PK	68.26	-22.72	-55.32	5.6	-49.72
6	15522.93	28.25 AV	54	-25.75	-72.61	5.6	-67.01
7	#24968.6	46.01 PK	68.26	-22.25	-54.85	5.6	-49.25
8	21051.8	30.74 AV	54	-23.26	-70.12	5.6	-64.52
9	#38537.87	40.11 PK	68.26	-28.15	-60.75	5.6	-55.15
10	38949.87	29.83 AV	54	-24.17	-71.03	5.6	-65.43

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

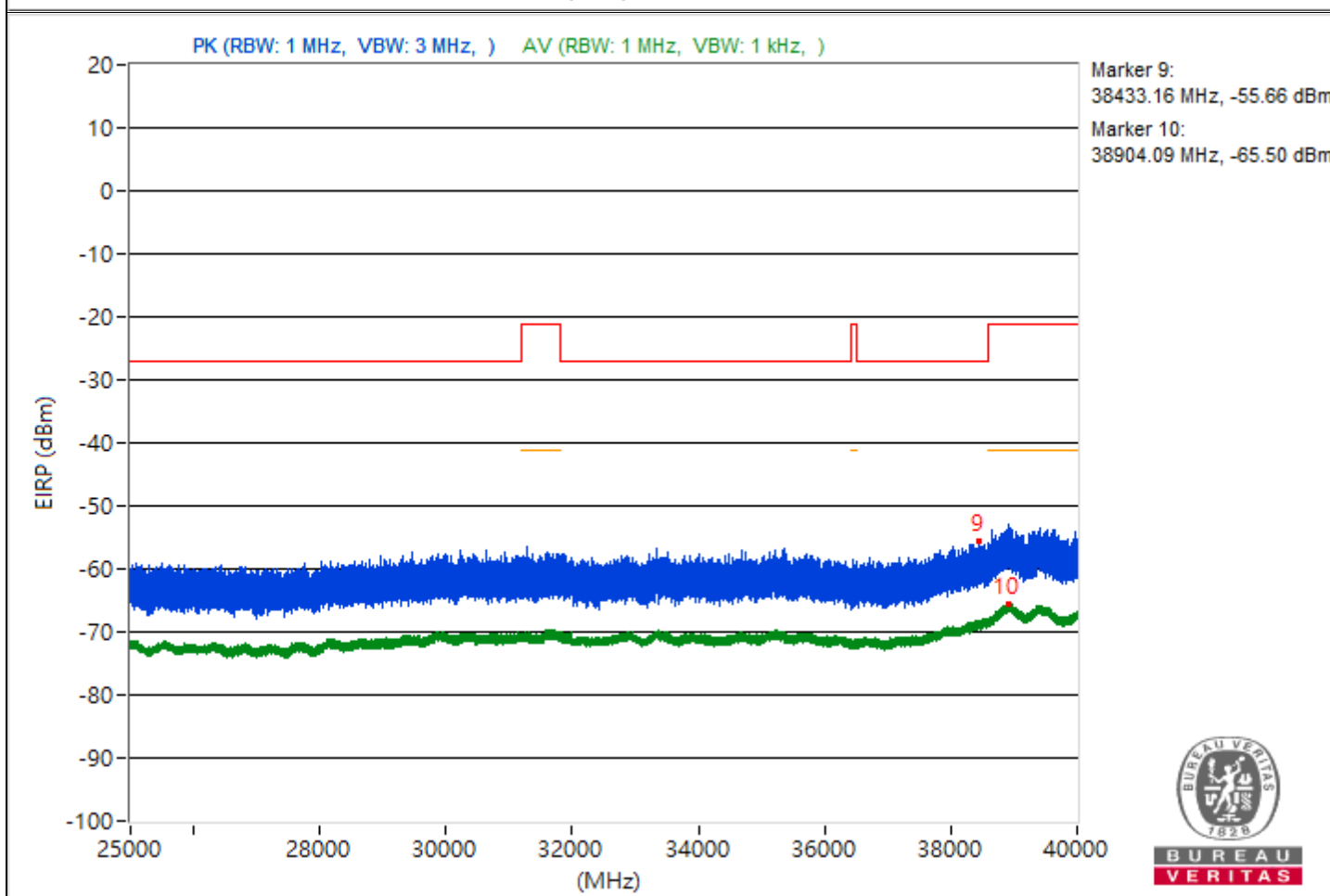
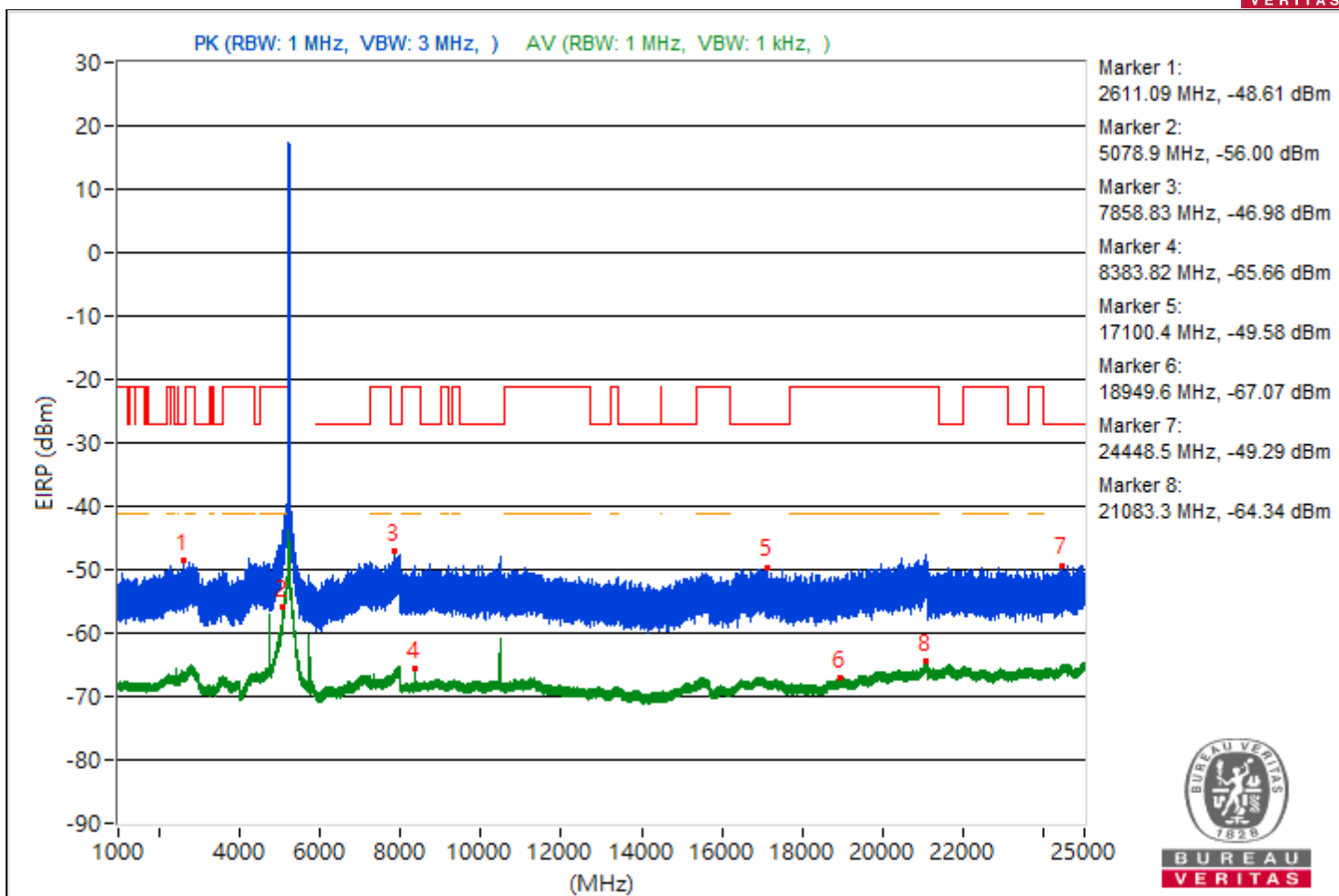


RF Mode	802.11ac (VHT20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2611.09	46.65 PK	68.26	-21.61	-54.21	5.6	-48.61
2	5078.9	39.26 AV	54	-14.74	-61.6	5.6	-56
3	#7858.83	48.28 PK	68.26	-19.98	-52.58	5.6	-46.98
4	8383.82	29.6 AV	54	-24.4	-71.26	5.6	-65.66
5	#17100.4	45.68 PK	68.26	-22.58	-55.18	5.6	-49.58
6	18949.6	28.19 AV	54	-25.81	-72.67	5.6	-67.07
7	#24448.5	45.97 PK	68.26	-22.29	-54.89	5.6	-49.29
8	21083.3	30.92 AV	54	-23.08	-69.94	5.6	-64.34
9	#38433.16	39.6 PK	68.26	-28.66	-61.26	5.6	-55.66
10	38904.09	29.76 AV	54	-24.24	-71.1	5.6	-65.5

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

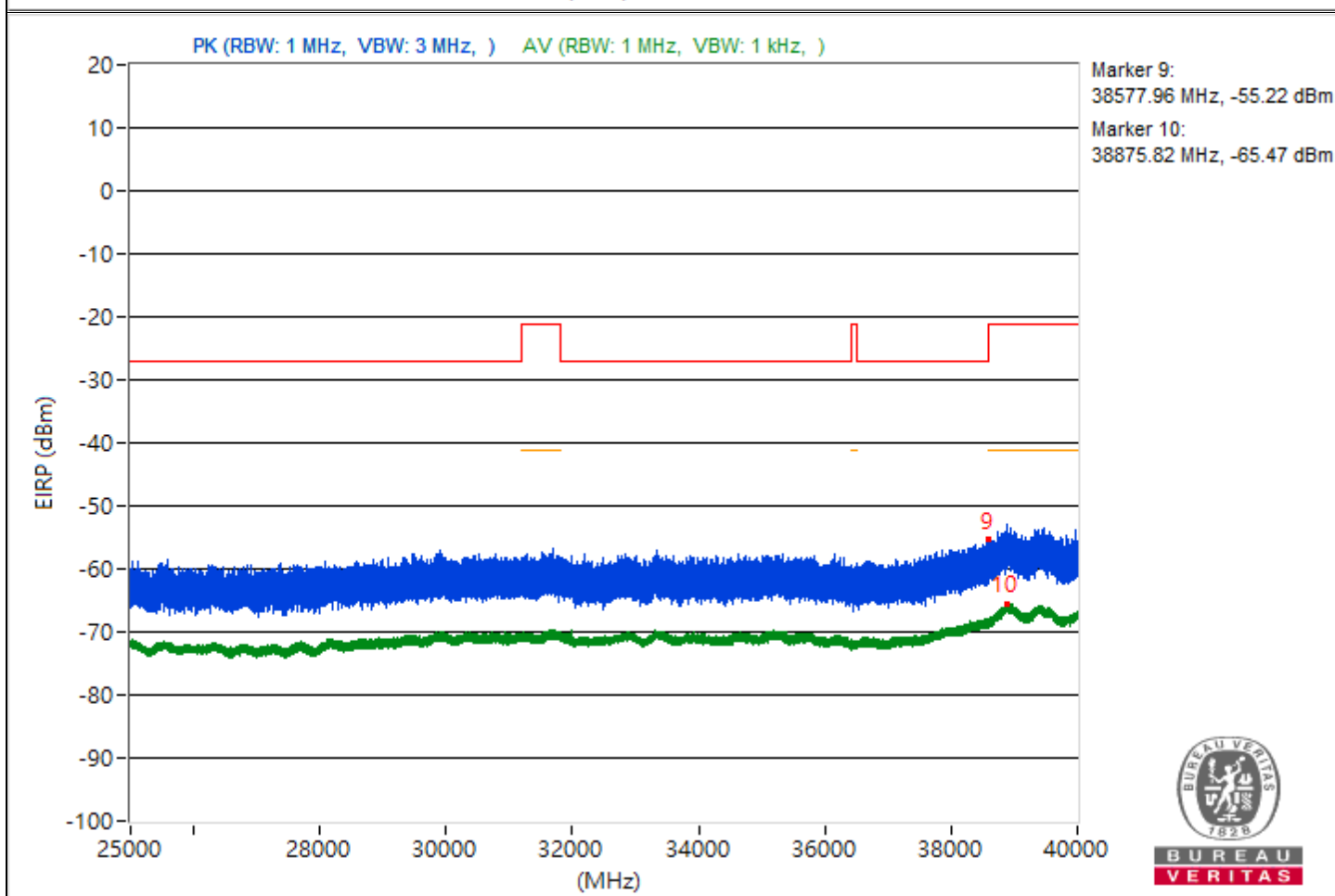
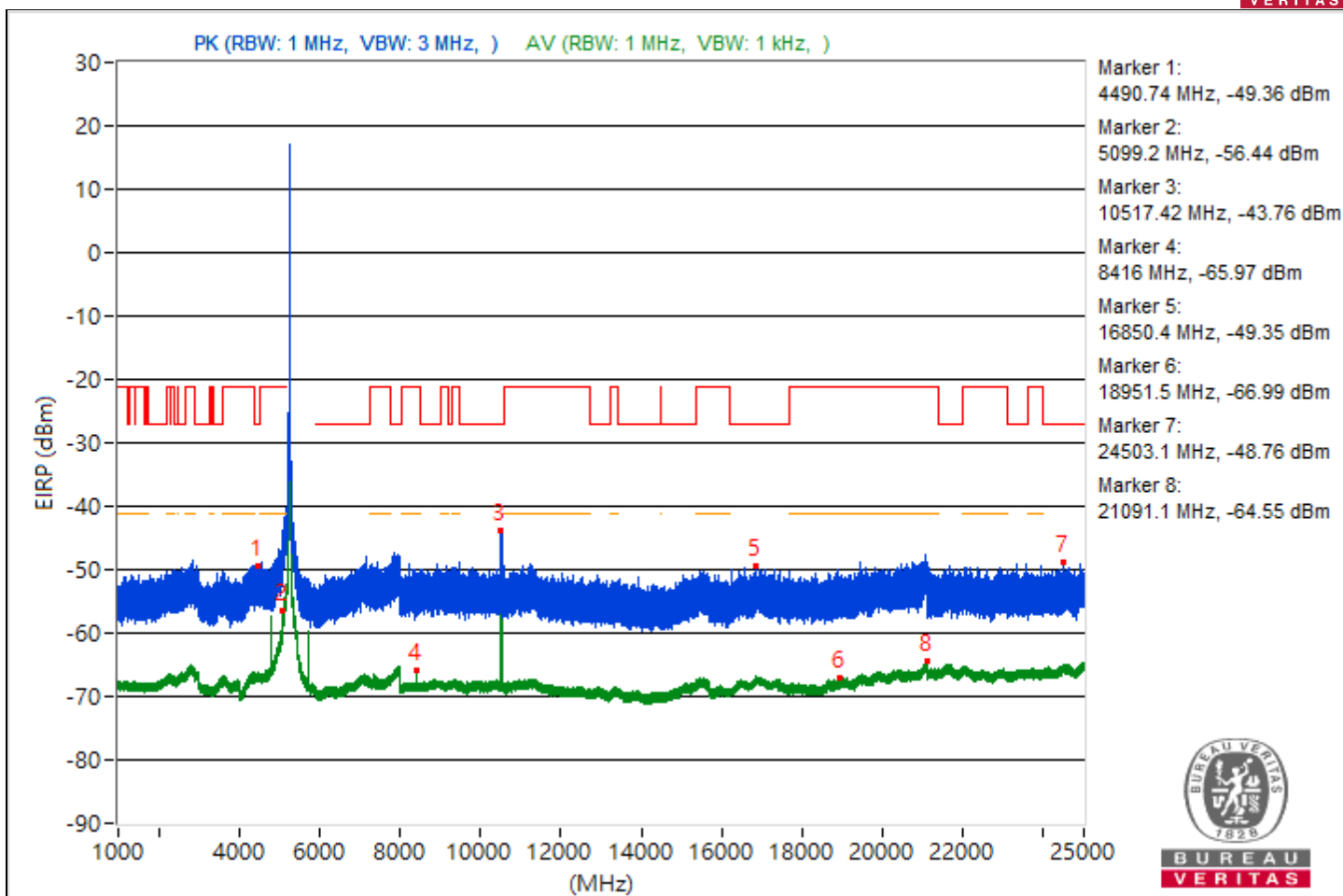


RF Mode	802.11ac (VHT20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#4490.74	45.9 PK	68.26	-22.36	-54.96	5.6	-49.36
2	5099.2	38.82 AV	54	-15.18	-62.04	5.6	-56.44
3	#10517.42	51.5 PK	68.26	-16.76	-49.36	5.6	-43.76
4	8416	29.29 AV	54	-24.71	-71.57	5.6	-65.97
5	#16850.4	45.91 PK	68.26	-22.35	-54.95	5.6	-49.35
6	18951.5	28.27 AV	54	-25.73	-72.59	5.6	-66.99
7	#24503.1	46.5 PK	68.26	-21.76	-54.36	5.6	-48.76
8	21091.1	30.71 AV	54	-23.29	-70.15	5.6	-64.55
9	#38577.96	40.04 PK	68.26	-28.22	-60.82	5.6	-55.22
10	38875.82	29.79 AV	54	-24.21	-71.07	5.6	-65.47

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



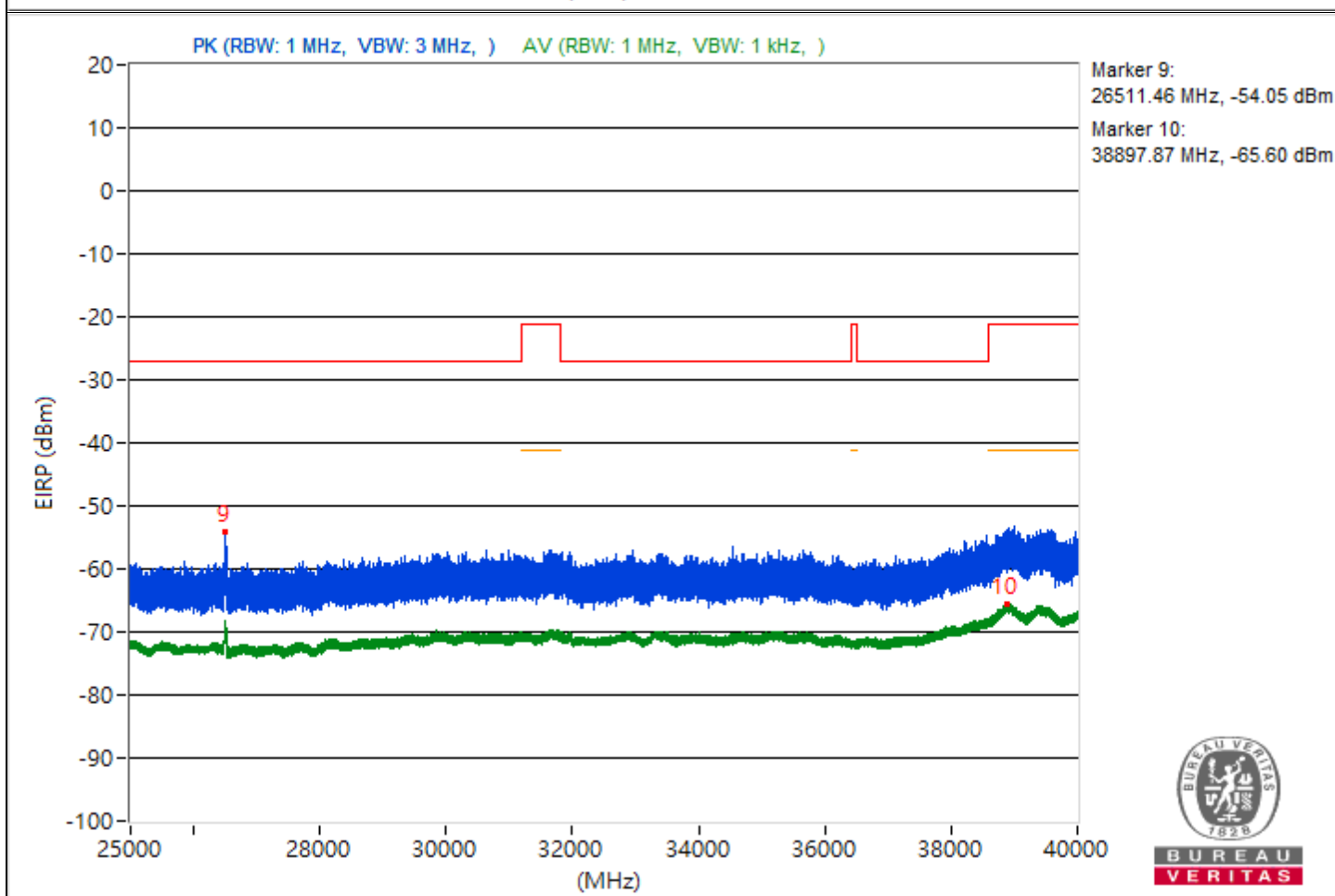
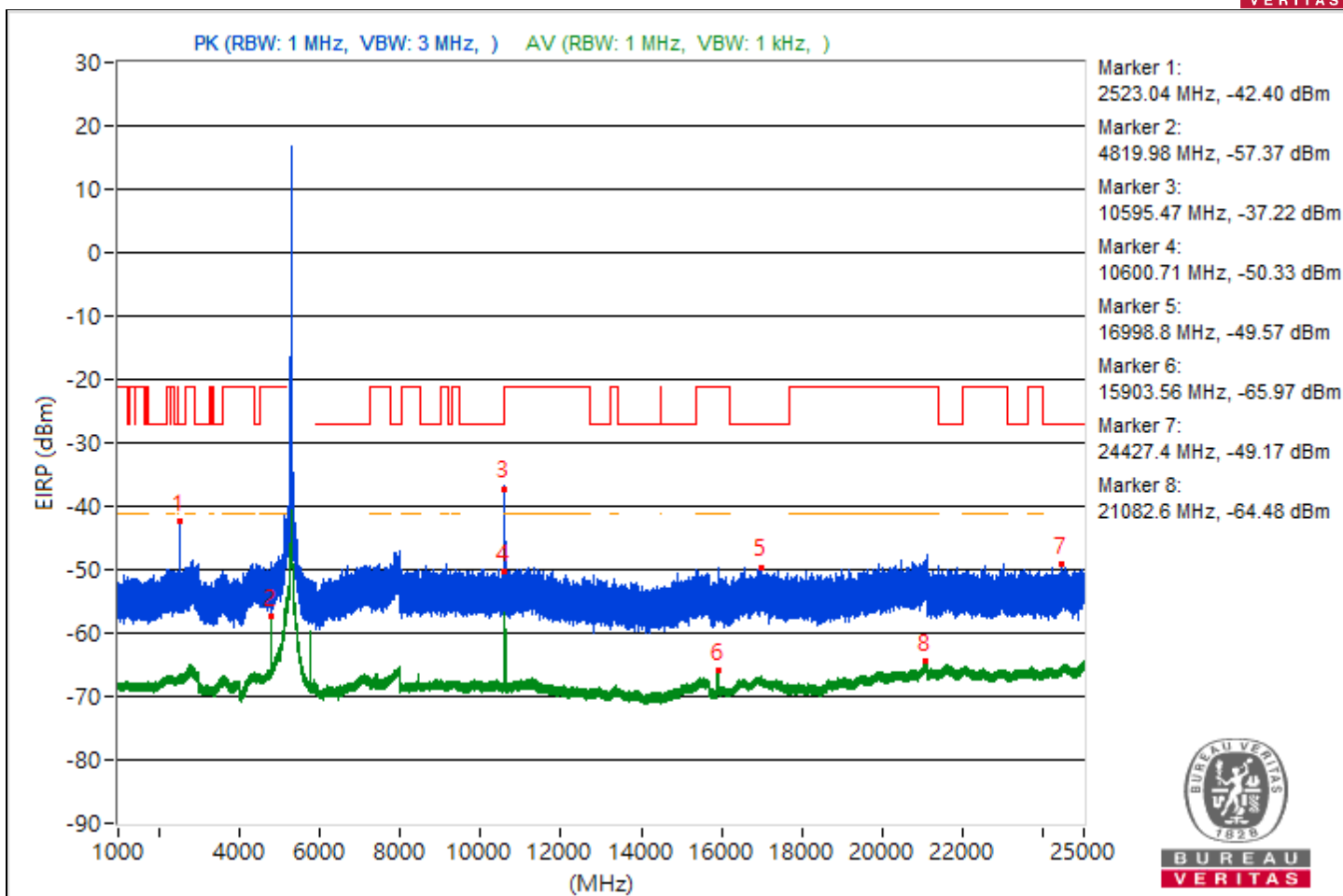
RF Mode	802.11ac (VHT20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2523.04	52.86 PK	68.26	-15.4	-48	5.6	-42.4
2	4819.98	37.89 AV	54	-16.11	-62.97	5.6	-57.37
3	#10595.47	58.04 PK	68.26	-10.22	-42.82	5.6	-37.22
4	10600.71	44.93 AV	54	-9.07	-55.93	5.6	-50.33
5	#16998.8	45.69 PK	68.26	-22.57	-55.17	5.6	-49.57
6	15903.56	29.29 AV	54	-24.71	-71.57	5.6	-65.97
7	#24427.4	46.09 PK	68.26	-22.17	-54.77	5.6	-49.17
8	21082.6	30.78 AV	54	-23.22	-70.08	5.6	-64.48
9	#26511.46	41.21 PK	68.26	-27.05	-59.65	5.6	-54.05
10	38897.87	29.66 AV	54	-24.34	-71.2	5.6	-65.6

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



RF Mode	802.11ac (VHT20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

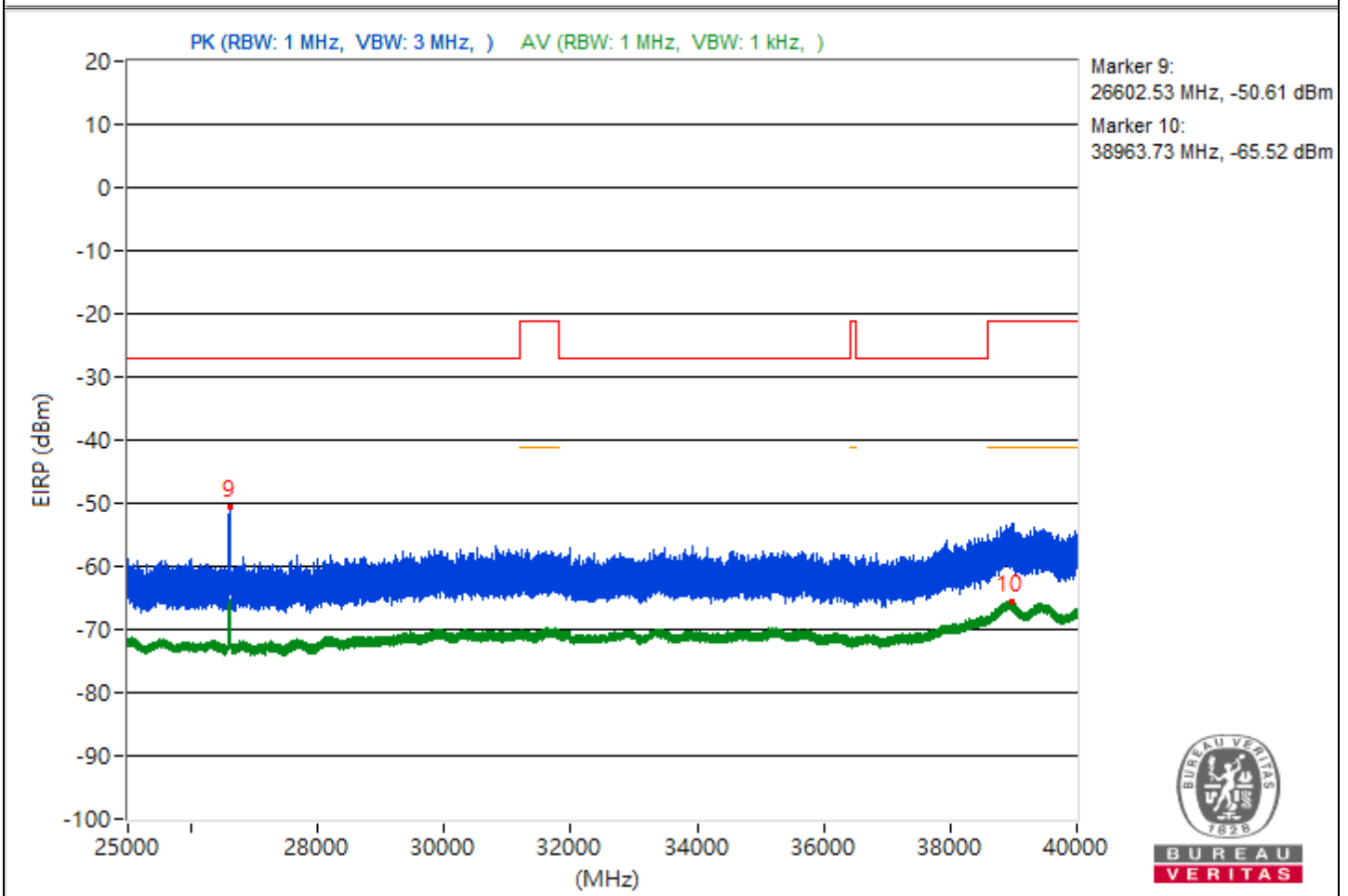
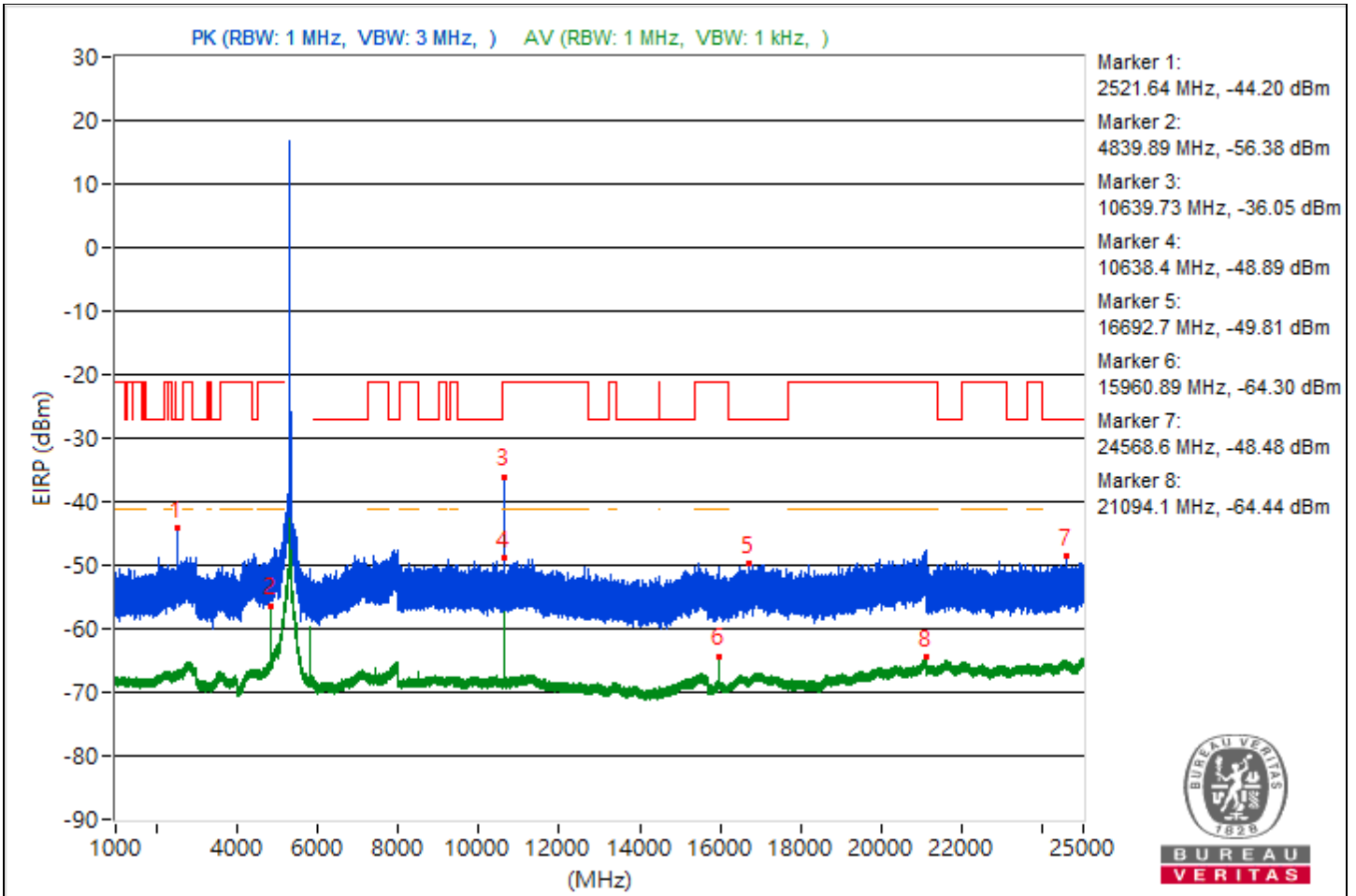
Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#2521.64	51.06 PK	68.26	-17.2	-49.8	5.6	-44.2
2	4839.89	38.88 AV	54	-15.12	-61.98	5.6	-56.38
3	10639.73	59.21 PK	74	-14.79	-41.65	5.6	-36.05
4	10638.4	46.37 AV	54	-7.63	-54.49	5.6	-48.89
5	#16692.7	45.45 PK	68.26	-22.81	-55.41	5.6	-49.81
6	15960.89	30.96 AV	54	-23.04	-69.9	5.6	-64.3
7	#24568.6	46.78 PK	68.26	-21.48	-54.08	5.6	-48.48
8	21094.1	30.82 AV	54	-23.18	-70.04	5.6	-64.44
9	#26602.53	44.65 PK	68.26	-23.61	-56.21	5.6	-50.61
10	38963.73	29.74 AV	54	-24.26	-71.12	5.6	-65.52

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



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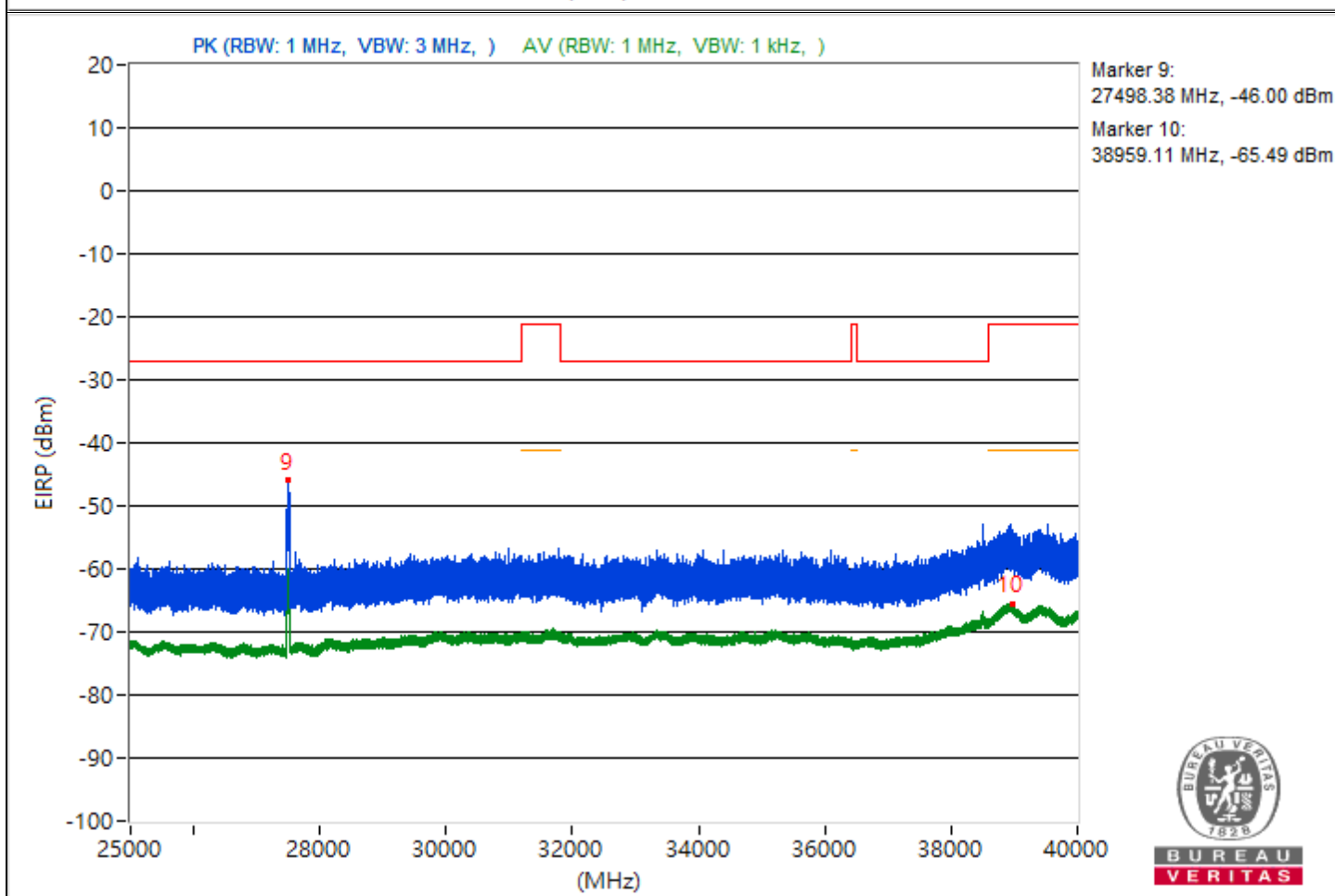
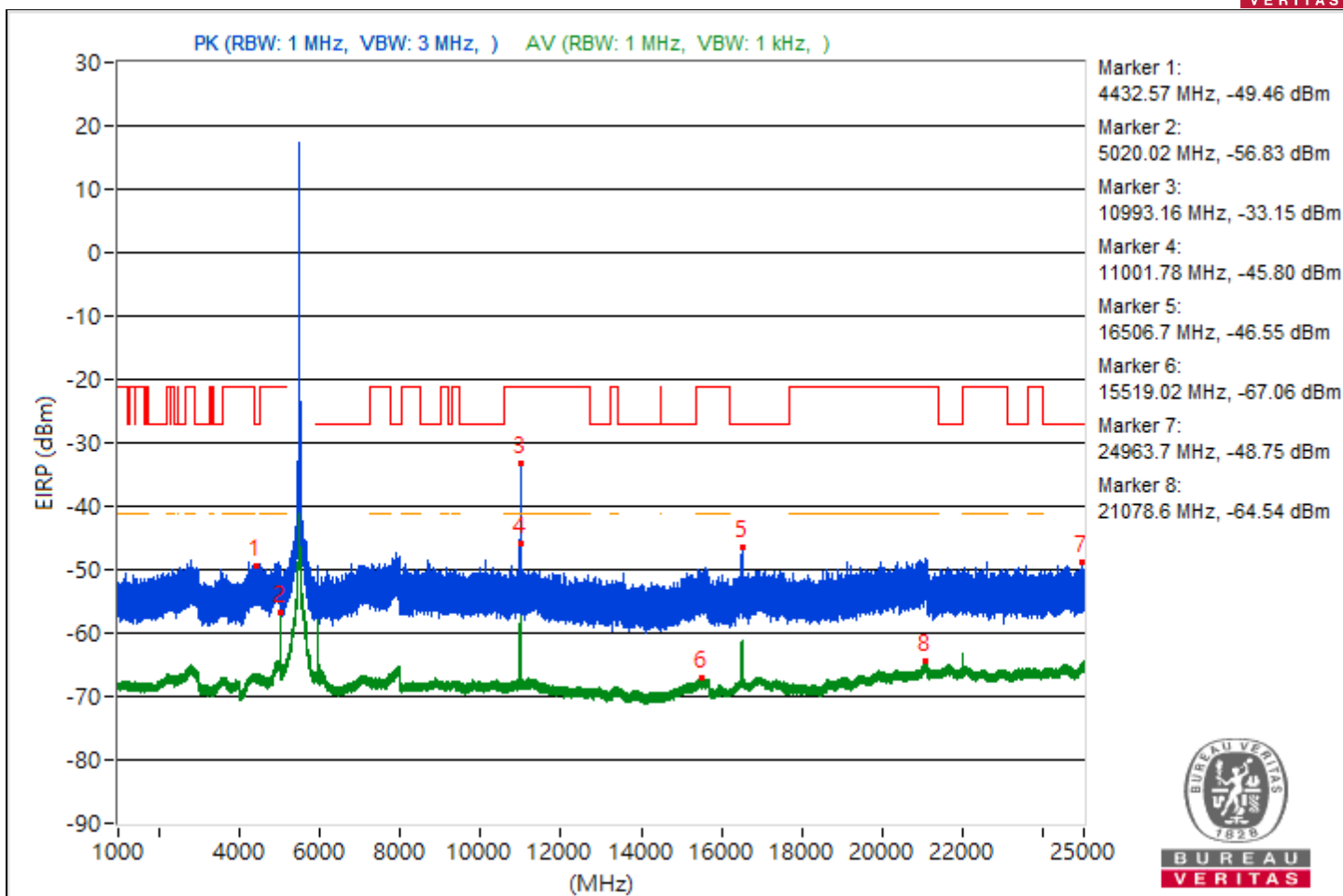


RF Mode	802.11ac (VHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#4432.57	45.8 PK	68.26	-22.46	-55.06	5.6	-49.46
2	5020.02	38.43 AV	54	-15.57	-62.43	5.6	-56.83
3	10993.16	62.11 PK	74	-11.89	-38.75	5.6	-33.15
4	11001.78	49.46 AV	54	-4.54	-51.4	5.6	-45.8
5	#16506.7	48.71 PK	68.26	-19.55	-52.15	5.6	-46.55
6	15519.02	28.2 AV	54	-25.8	-72.66	5.6	-67.06
7	#24963.7	46.51 PK	68.26	-21.75	-54.35	5.6	-48.75
8	21078.6	30.72 AV	54	-23.28	-70.14	5.6	-64.54
9	#27498.38	49.26 PK	68.26	-19	-51.6	5.6	-46
10	38959.11	29.77 AV	54	-24.23	-71.09	5.6	-65.49

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

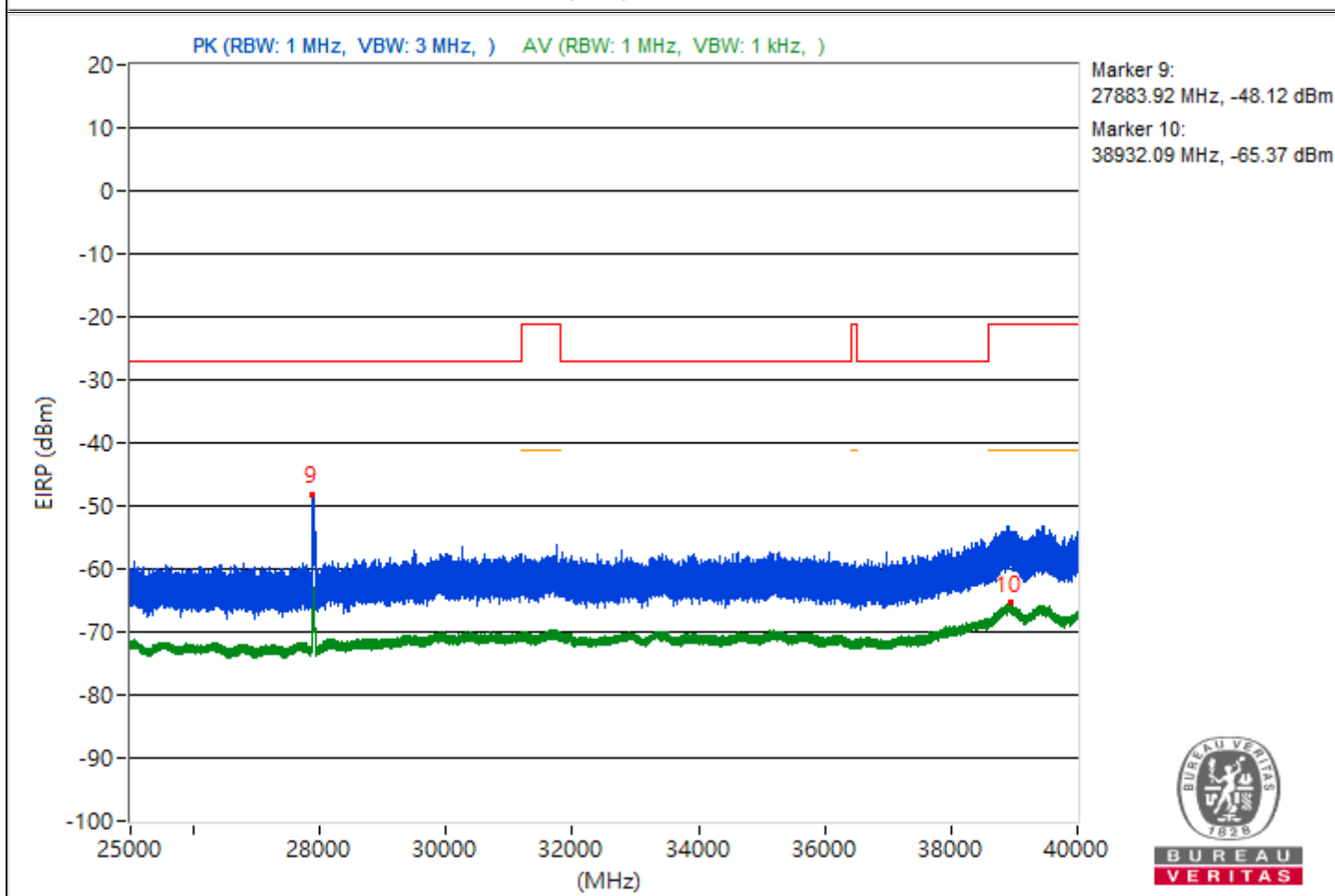
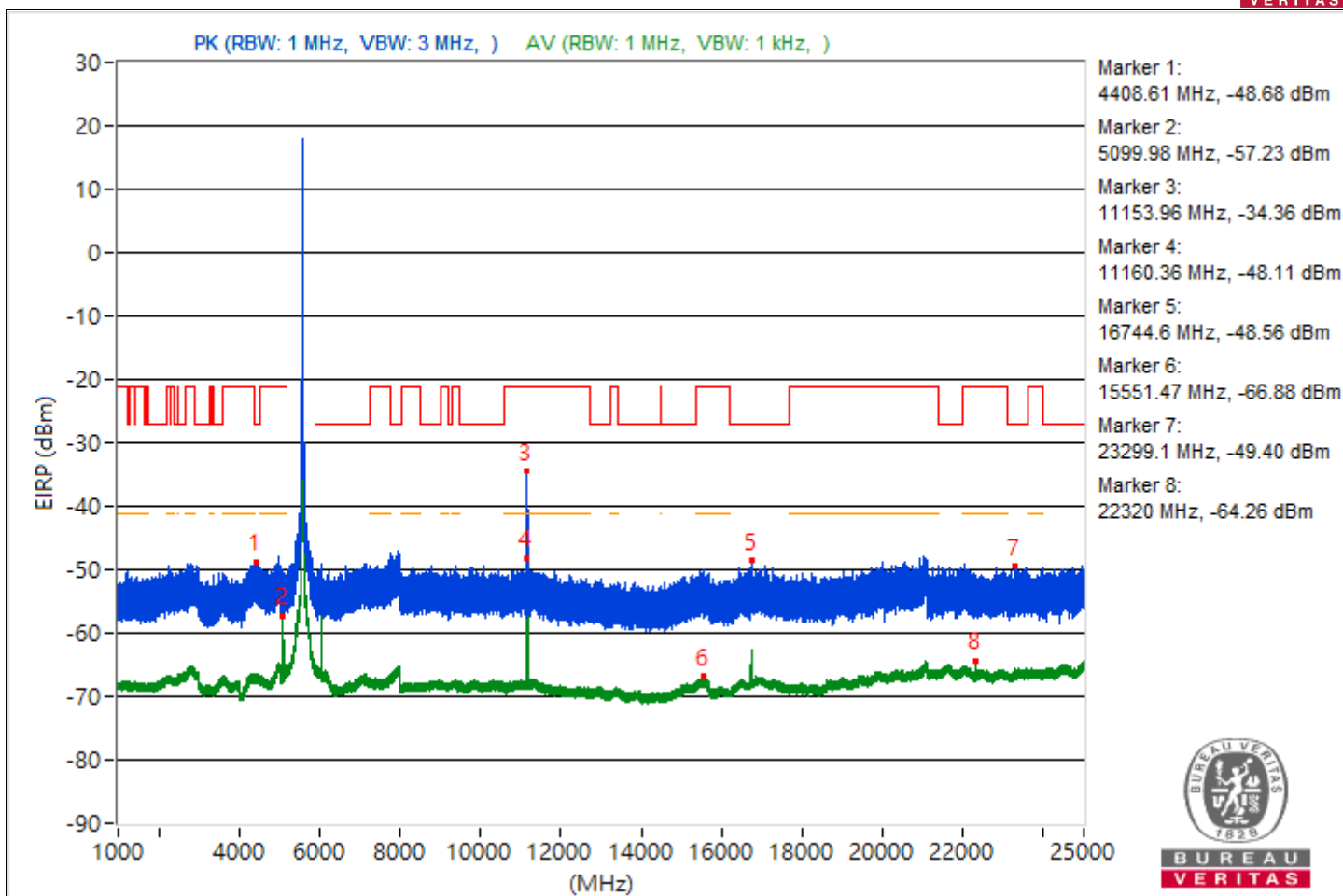


RF Mode	802.11ac (VHT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#4408.61	46.58 PK	68.26	-21.68	-54.28	5.6	-48.68
2	5099.98	38.03 AV	54	-15.97	-62.83	5.6	-57.23
3	11153.96	60.9 PK	74	-13.1	-39.96	5.6	-34.36
4	11160.36	47.15 AV	54	-6.85	-53.71	5.6	-48.11
5	#16744.6	46.7 PK	68.26	-21.56	-54.16	5.6	-48.56
6	15551.47	28.38 AV	54	-25.62	-72.48	5.6	-66.88
7	#23299.1	45.86 PK	68.26	-22.4	-55	5.6	-49.4
8	22320	31 AV	54	-23	-69.86	5.6	-64.26
9	#27883.92	47.14 PK	68.26	-21.12	-53.72	5.6	-48.12
10	38932.09	29.89 AV	54	-24.11	-70.97	5.6	-65.37

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

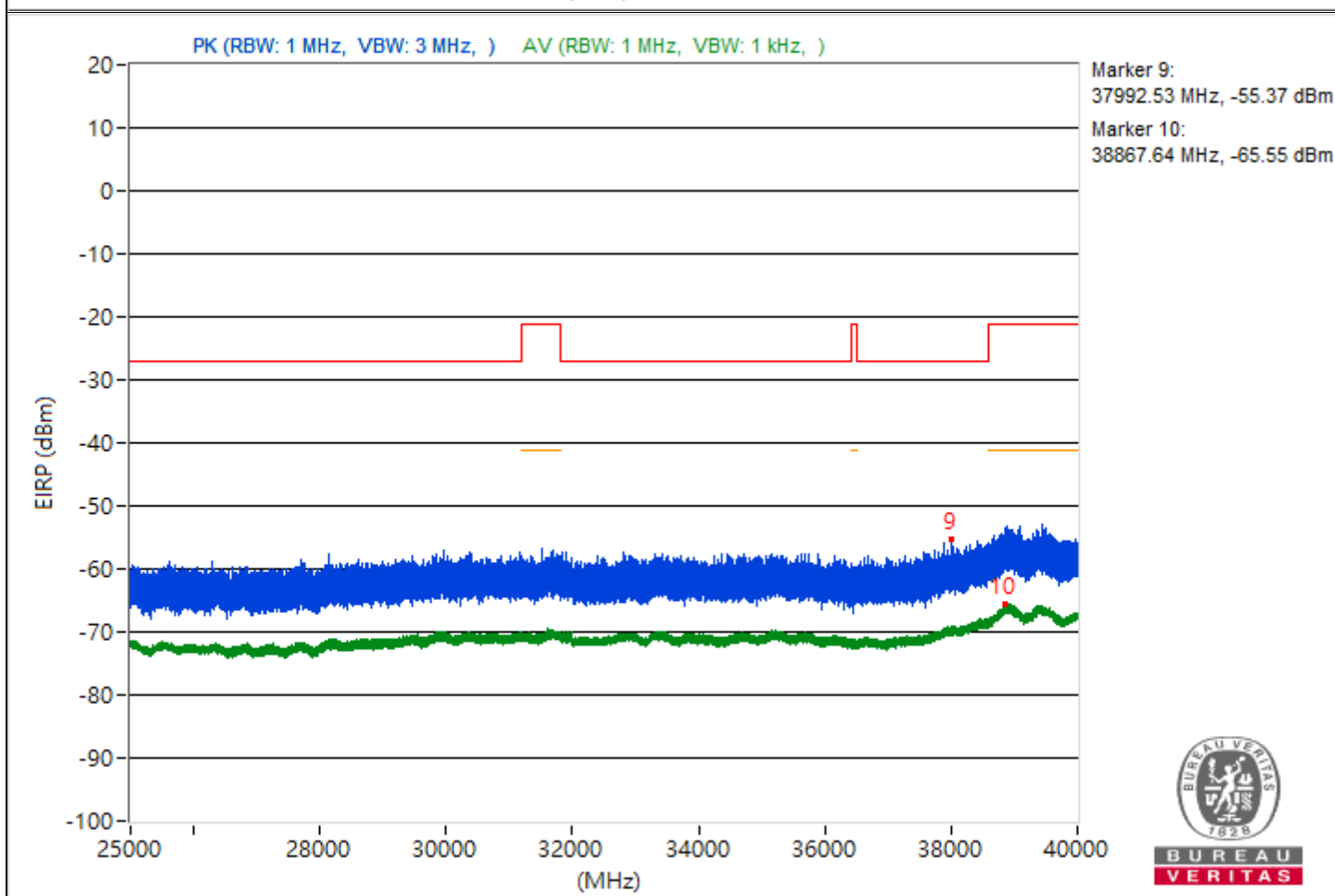
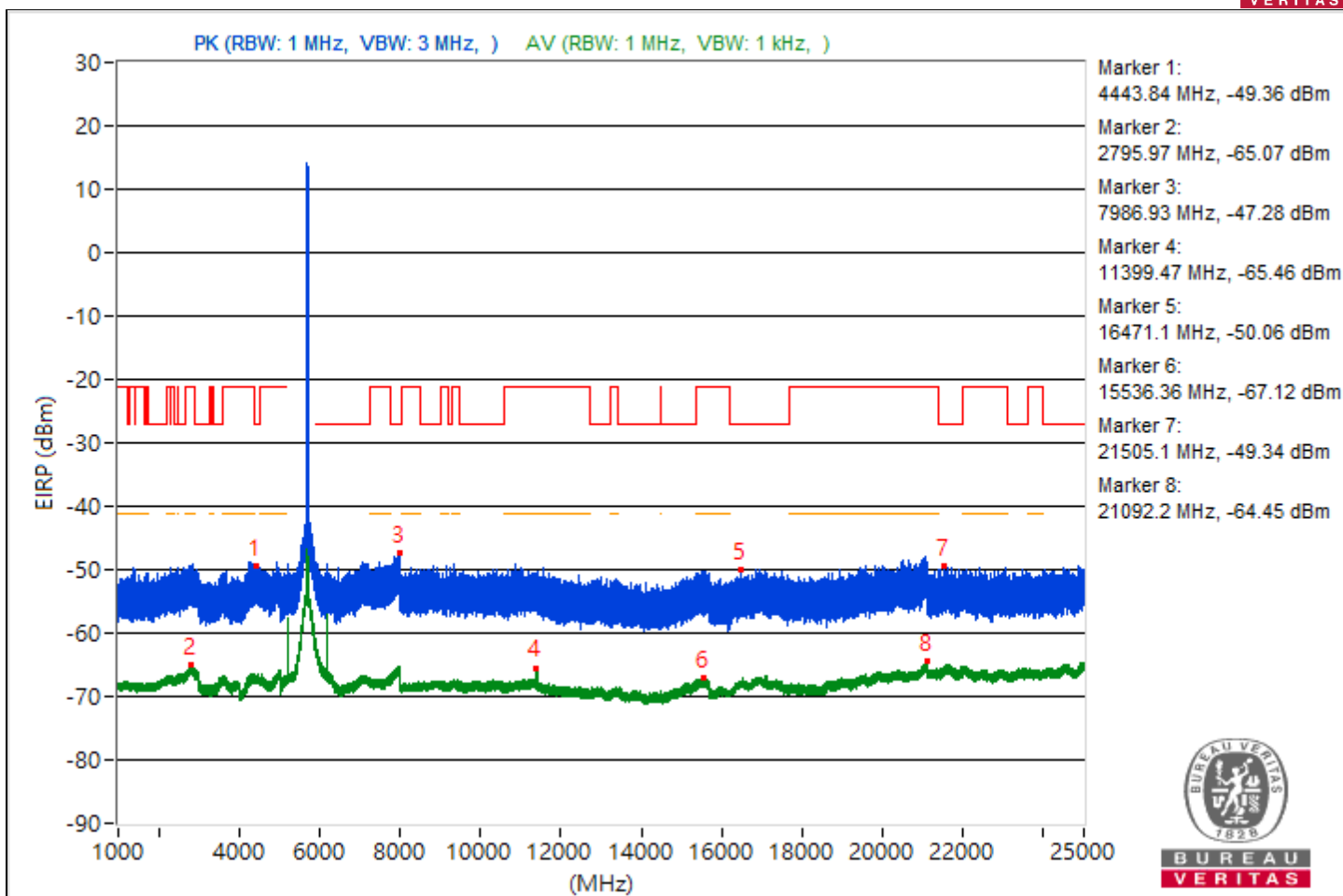


RF Mode	802.11ac (VHT20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#4443.84	45.9 PK	68.26	-22.36	-54.96	5.6	-49.36
2	2795.97	30.19 AV	54	-23.81	-70.67	5.6	-65.07
3	#7986.93	47.98 PK	68.26	-20.28	-52.88	5.6	-47.28
4	11399.47	29.8 AV	54	-24.2	-71.06	5.6	-65.46
5	#16471.1	45.2 PK	68.26	-23.06	-55.66	5.6	-50.06
6	15536.36	28.14 AV	54	-25.86	-72.72	5.6	-67.12
7	#21505.1	45.92 PK	68.26	-22.34	-54.94	5.6	-49.34
8	21092.2	30.81 AV	54	-23.19	-70.05	5.6	-64.45
9	#37992.53	39.89 PK	68.26	-28.37	-60.97	5.6	-55.37
10	38867.64	29.71 AV	54	-24.29	-71.15	5.6	-65.55

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

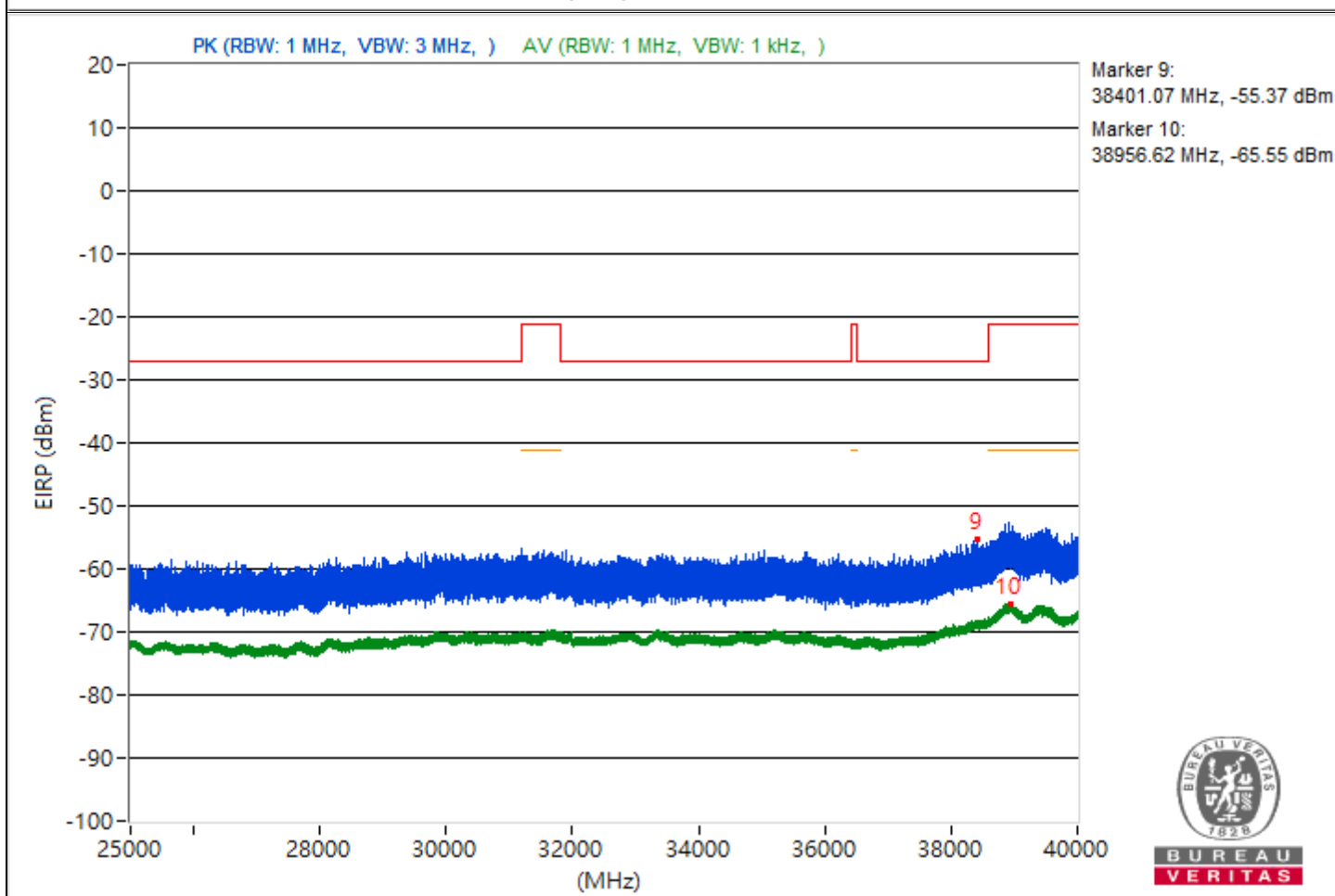
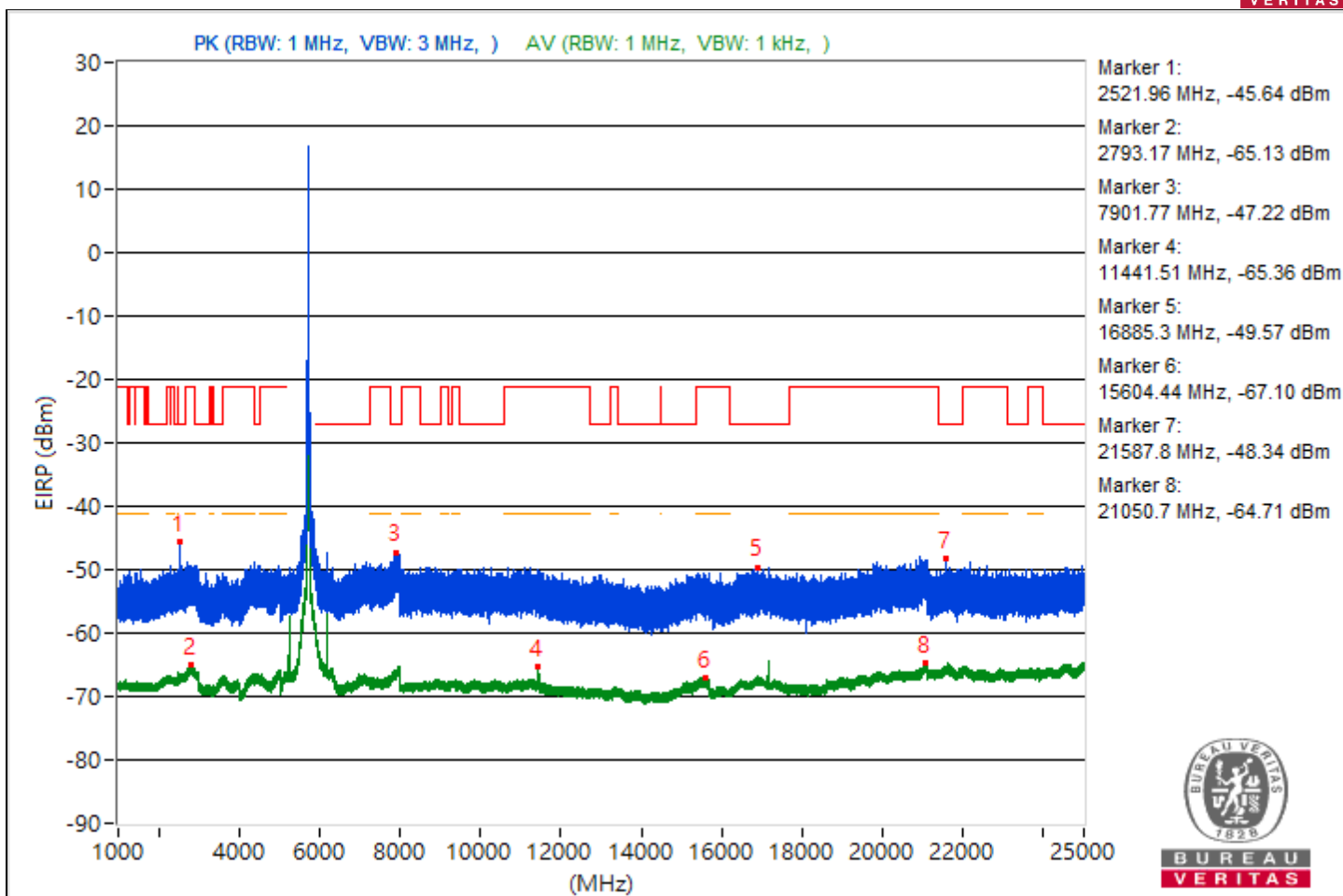


RF Mode	802.11ac (VHT20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2521.96	49.62 PK	68.26	-18.64	-51.24	5.6	-45.64
2	2793.17	30.13 AV	54	-23.87	-70.73	5.6	-65.13
3	#7901.77	48.04 PK	68.26	-20.22	-52.82	5.6	-47.22
4	11441.51	29.9 AV	54	-24.1	-70.96	5.6	-65.36
5	#16885.3	45.69 PK	68.26	-22.57	-55.17	5.6	-49.57
6	15604.44	28.16 AV	54	-25.84	-72.7	5.6	-67.1
7	#21587.8	46.92 PK	68.26	-21.34	-53.94	5.6	-48.34
8	21050.7	30.55 AV	54	-23.45	-70.31	5.6	-64.71
9	#38401.07	39.89 PK	68.26	-28.37	-60.97	5.6	-55.37
10	38956.62	29.71 AV	54	-24.29	-71.15	5.6	-65.55

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

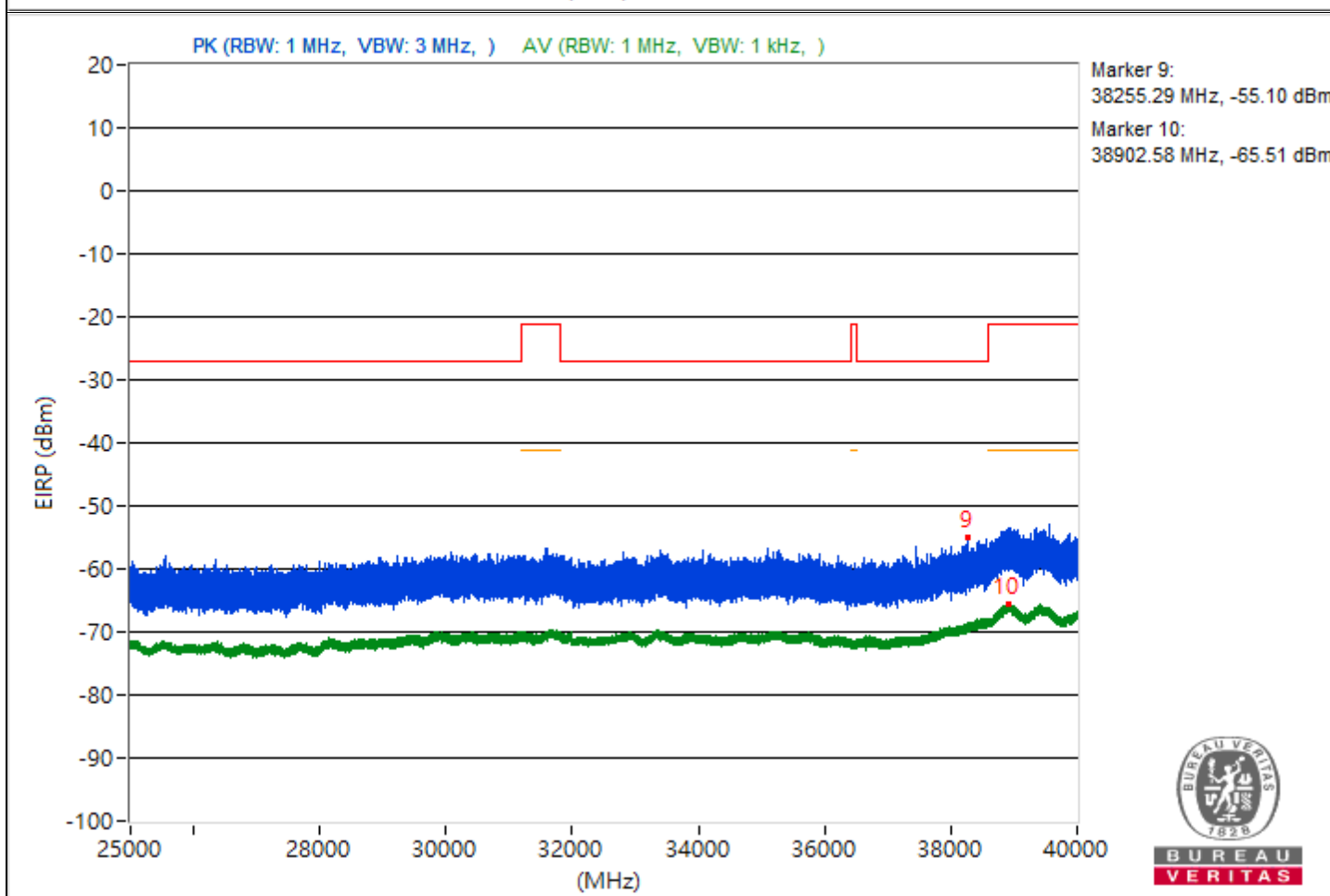
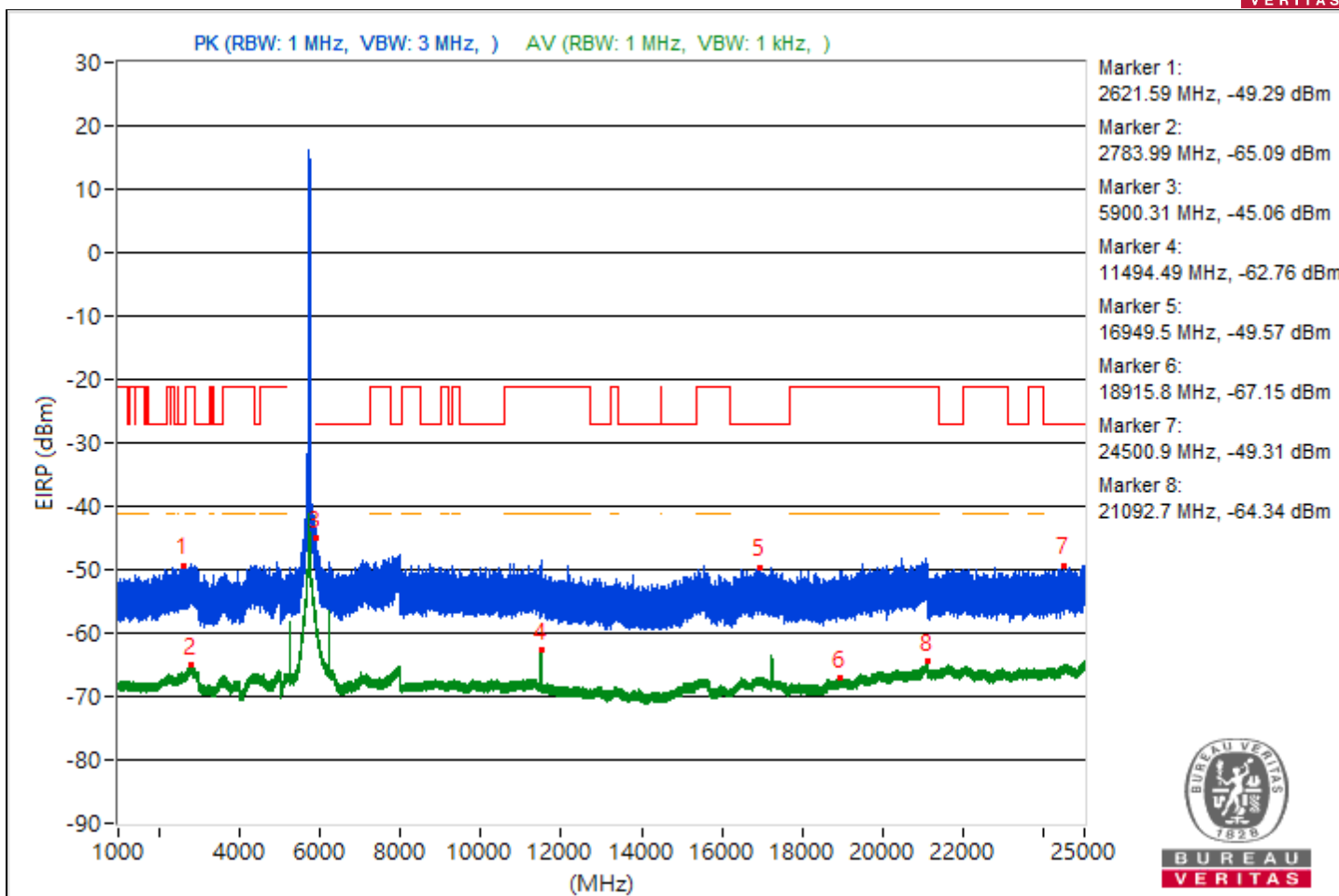


RF Mode	802.11ac (VHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2621.59	45.97 PK	68.26	-22.29	-54.89	5.6	-49.29
2	2783.99	30.17 AV	54	-23.83	-70.69	5.6	-65.09
3	#5900.31	50.2 PK	68.26	-18.06	-50.66	5.6	-45.06
4	11494.49	32.5 AV	54	-21.5	-68.36	5.6	-62.76
5	#16949.5	45.69 PK	68.26	-22.57	-55.17	5.6	-49.57
6	18915.8	28.11 AV	54	-25.89	-72.75	5.6	-67.15
7	#24500.9	45.95 PK	68.26	-22.31	-54.91	5.6	-49.31
8	21092.7	30.92 AV	54	-23.08	-69.94	5.6	-64.34
9	#38255.29	40.16 PK	68.26	-28.1	-60.7	5.6	-55.1
10	38902.58	29.75 AV	54	-24.25	-71.11	5.6	-65.51

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

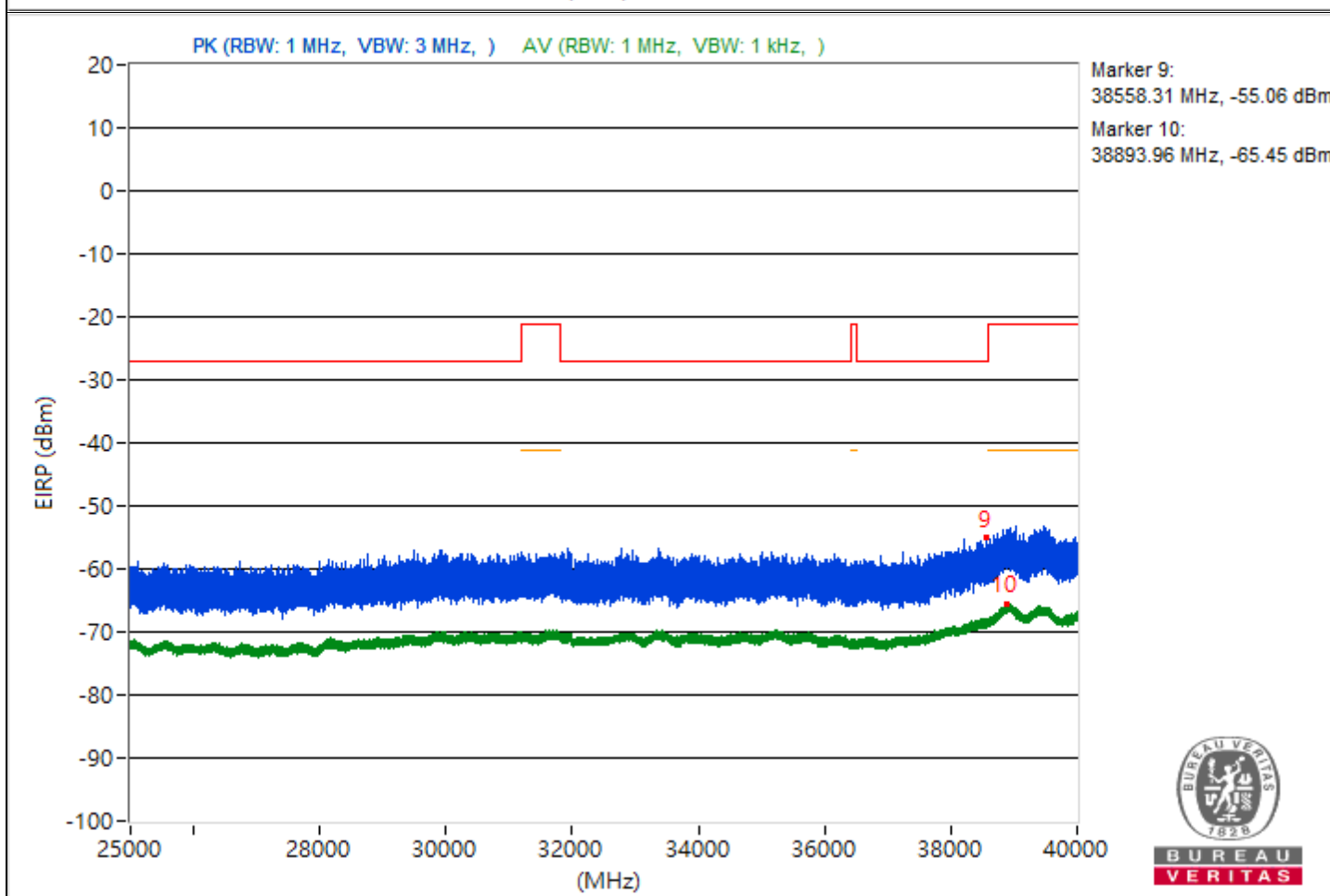
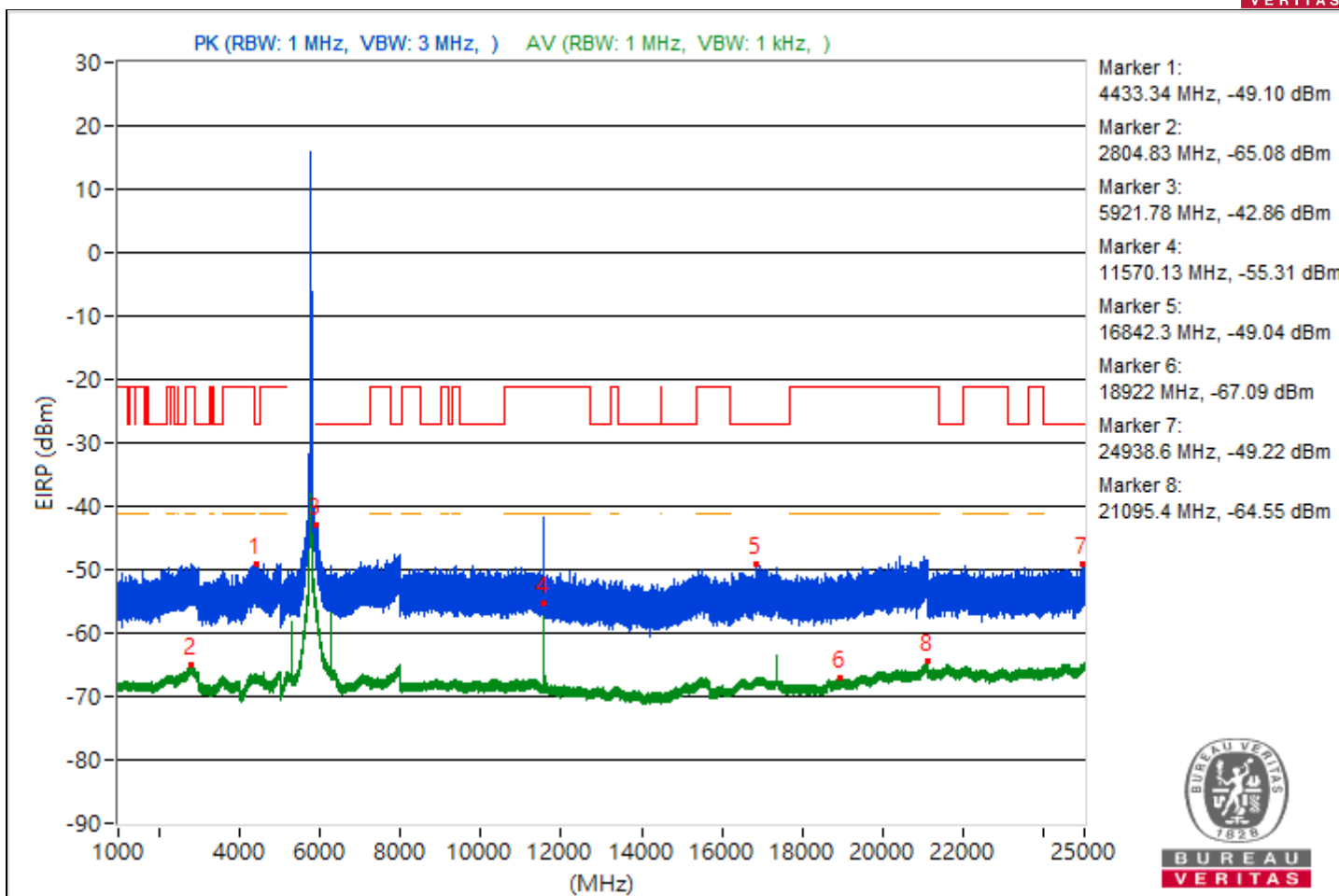


RF Mode	802.11ac (VHT20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#4433.34	46.16 PK	68.26	-22.1	-54.7	5.6	-49.1
2	2804.83	30.18 AV	54	-23.82	-70.68	5.6	-65.08
3	#5921.78	52.4 PK	68.26	-15.86	-48.46	5.6	-42.86
4	11570.13	39.95 AV	54	-14.05	-60.91	5.6	-55.31
5	#16842.3	46.22 PK	68.26	-22.04	-54.64	5.6	-49.04
6	18922	28.17 AV	54	-25.83	-72.69	5.6	-67.09
7	#24938.6	46.04 PK	68.26	-22.22	-54.82	5.6	-49.22
8	21095.4	30.71 AV	54	-23.29	-70.15	5.6	-64.55
9	#38558.31	40.2 PK	68.26	-28.06	-60.66	5.6	-55.06
10	38893.96	29.81 AV	54	-24.19	-71.05	5.6	-65.45

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



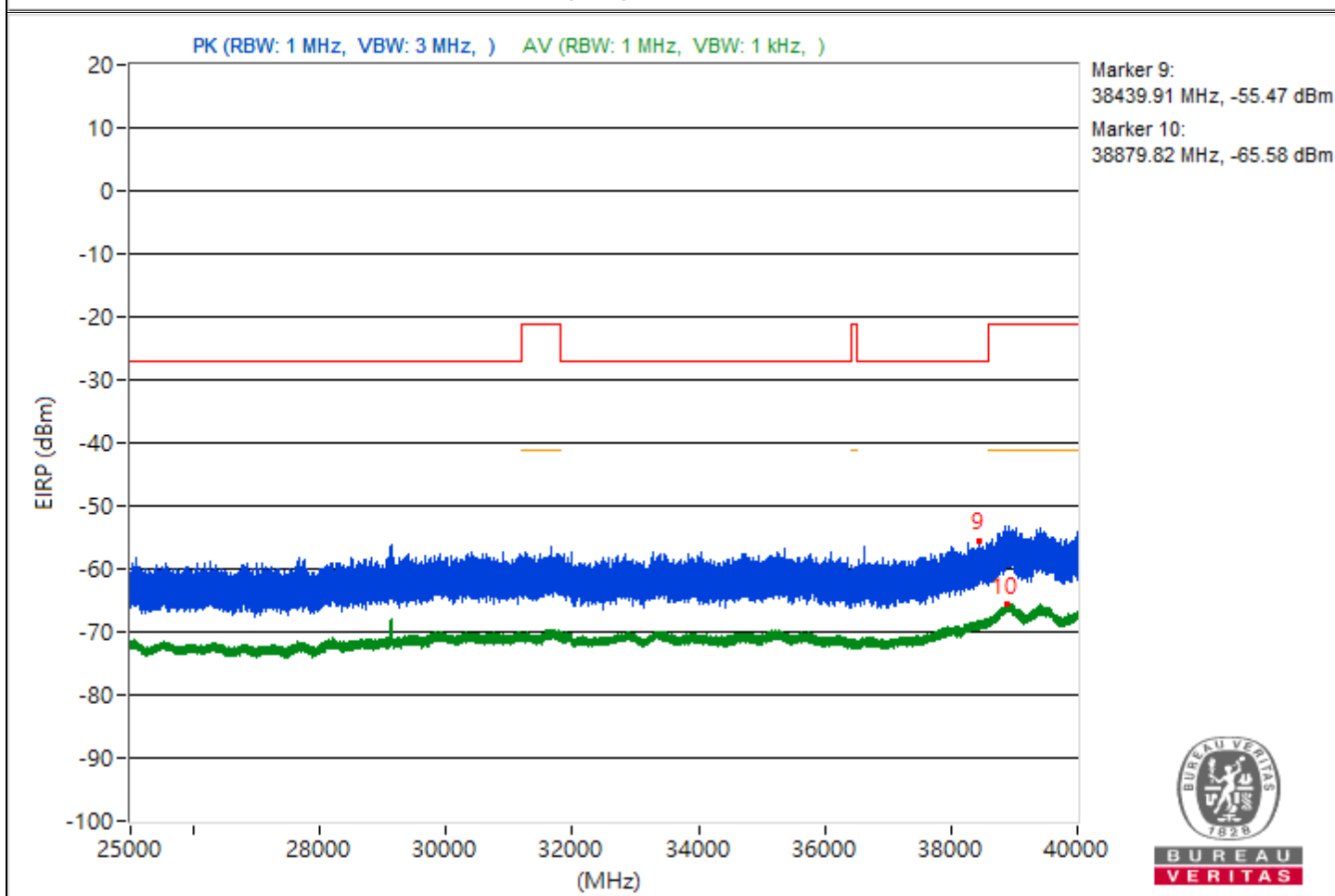
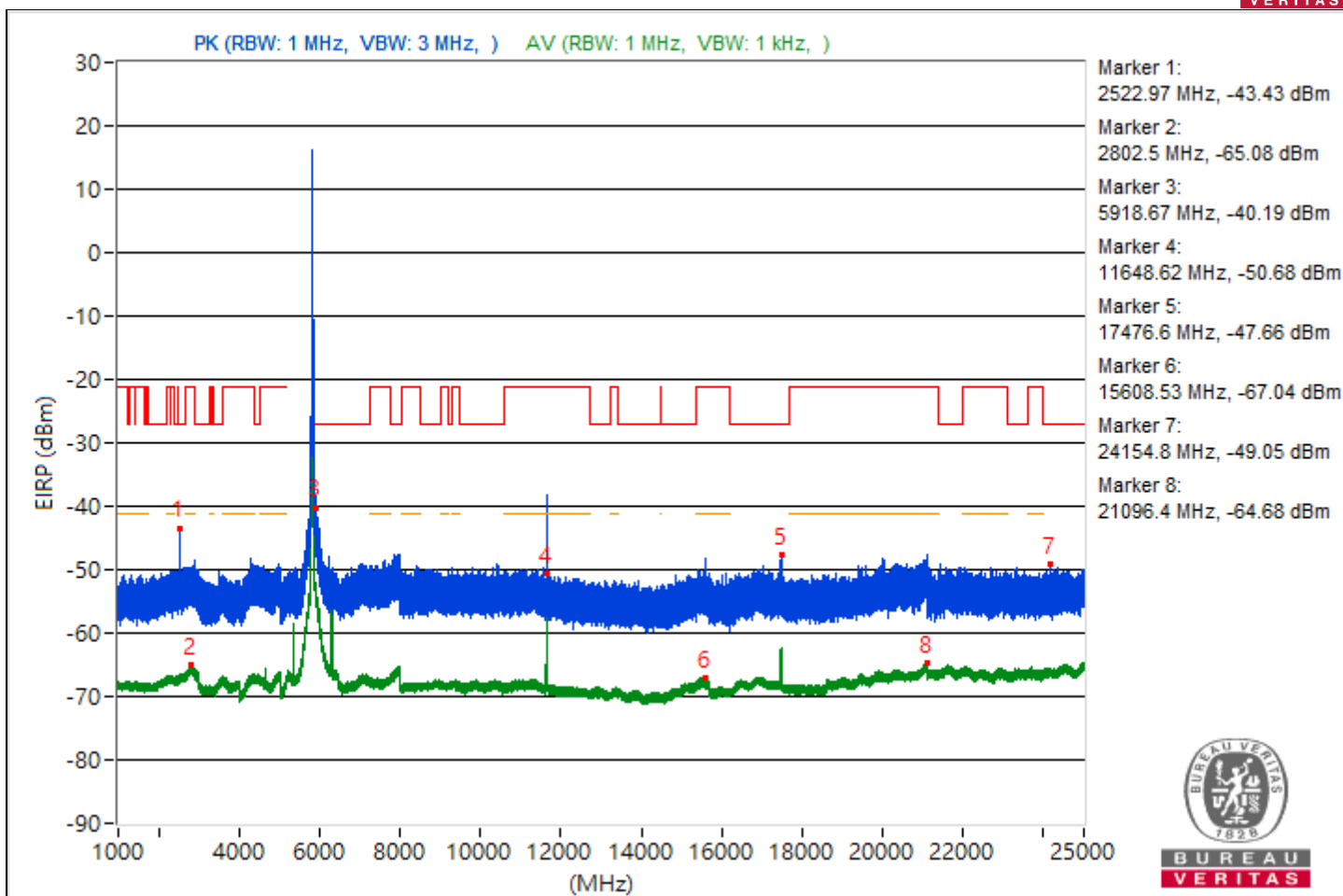
RF Mode	802.11ac (VHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2522.97	51.83 PK	68.26	-16.43	-49.03	5.6	-43.43
2	2802.5	30.18 AV	54	-23.82	-70.68	5.6	-65.08
3	#5918.67	55.07 PK	68.26	-13.19	-45.79	5.6	-40.19
4	11648.62	44.58 AV	54	-9.42	-56.28	5.6	-50.68
5	#17476.6	47.6 PK	68.26	-20.66	-53.26	5.6	-47.66
6	15608.53	28.22 AV	54	-25.78	-72.64	5.6	-67.04
7	#24154.8	46.21 PK	68.26	-22.05	-54.65	5.6	-49.05
8	21096.4	30.58 AV	54	-23.42	-70.28	5.6	-64.68
9	#38439.91	39.79 PK	68.26	-28.47	-61.07	5.6	-55.47
10	38879.82	29.68 AV	54	-24.32	-71.18	5.6	-65.58

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

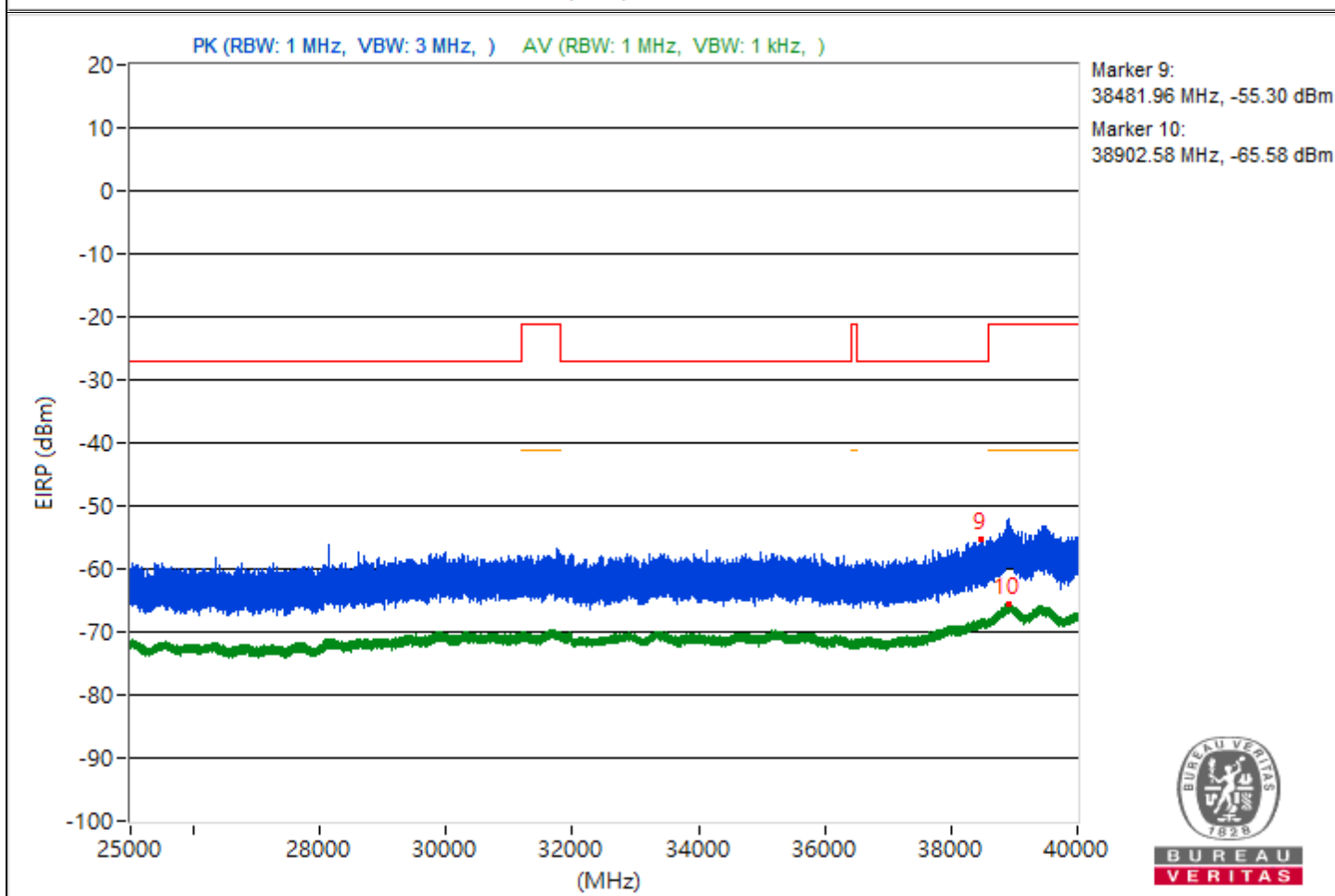
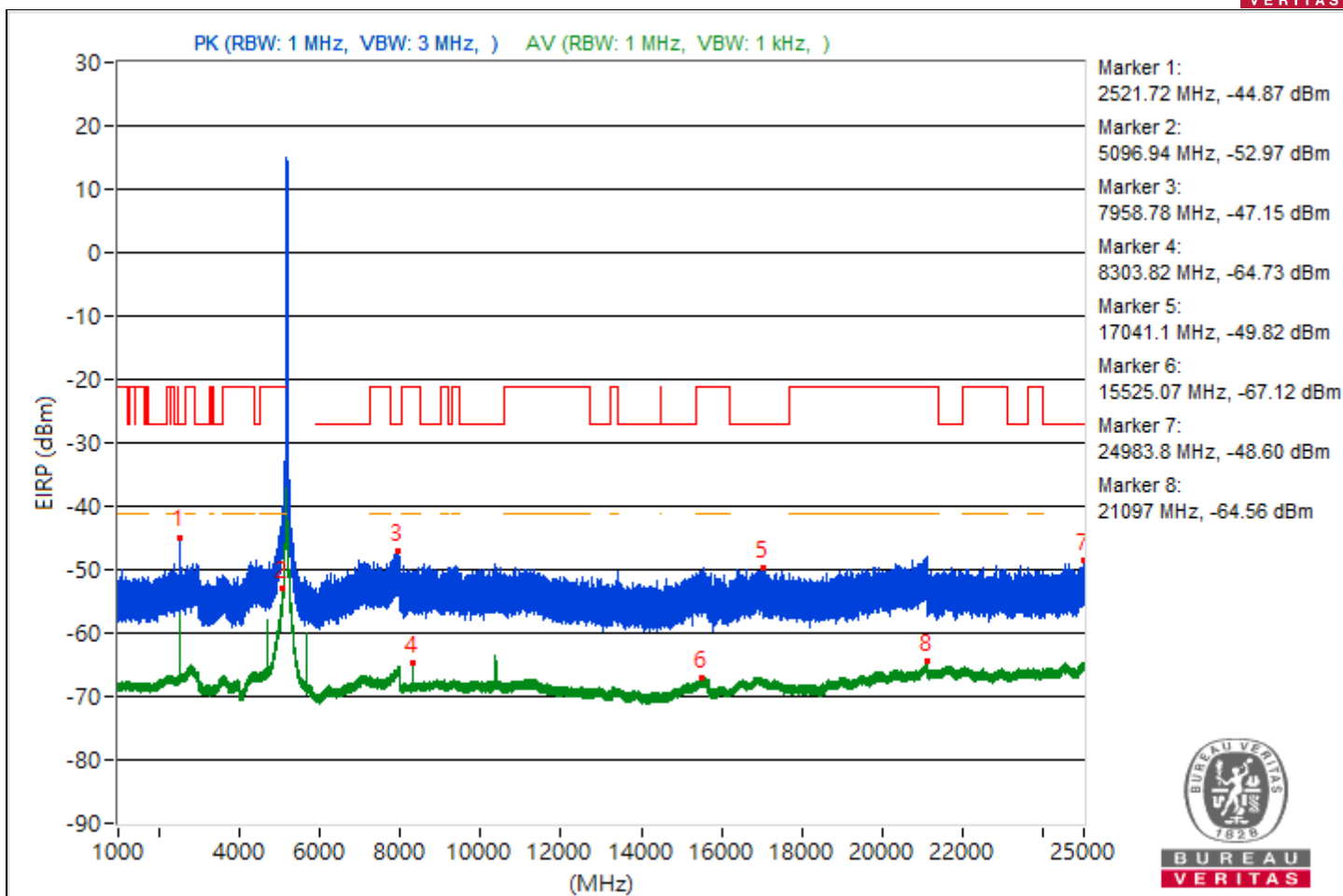


RF Mode	802.11ac (VHT40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2521.72	50.39 PK	68.26	-17.87	-50.47	5.6	-44.87
2	5096.94	42.29 AV	54	-11.71	-58.57	5.6	-52.97
3	#7958.78	48.11 PK	68.26	-20.15	-52.75	5.6	-47.15
4	8303.82	30.53 AV	54	-23.47	-70.33	5.6	-64.73
5	#17041.1	45.44 PK	68.26	-22.82	-55.42	5.6	-49.82
6	15525.07	28.14 AV	54	-25.86	-72.72	5.6	-67.12
7	#24983.8	46.66 PK	68.26	-21.6	-54.2	5.6	-48.6
8	21097	30.7 AV	54	-23.3	-70.16	5.6	-64.56
9	#38481.96	39.96 PK	68.26	-28.3	-60.9	5.6	-55.3
10	38902.58	29.68 AV	54	-24.32	-71.18	5.6	-65.58

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

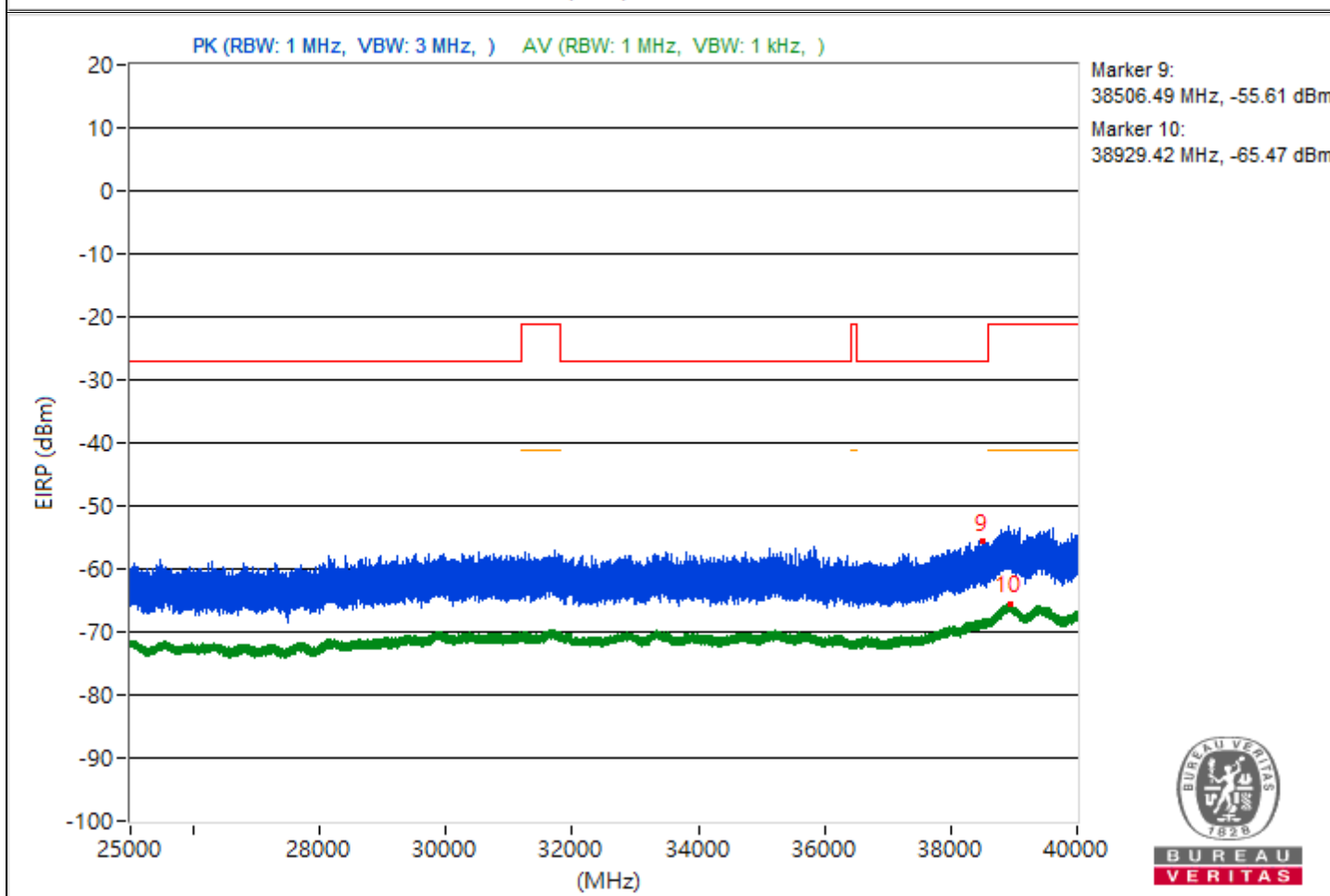
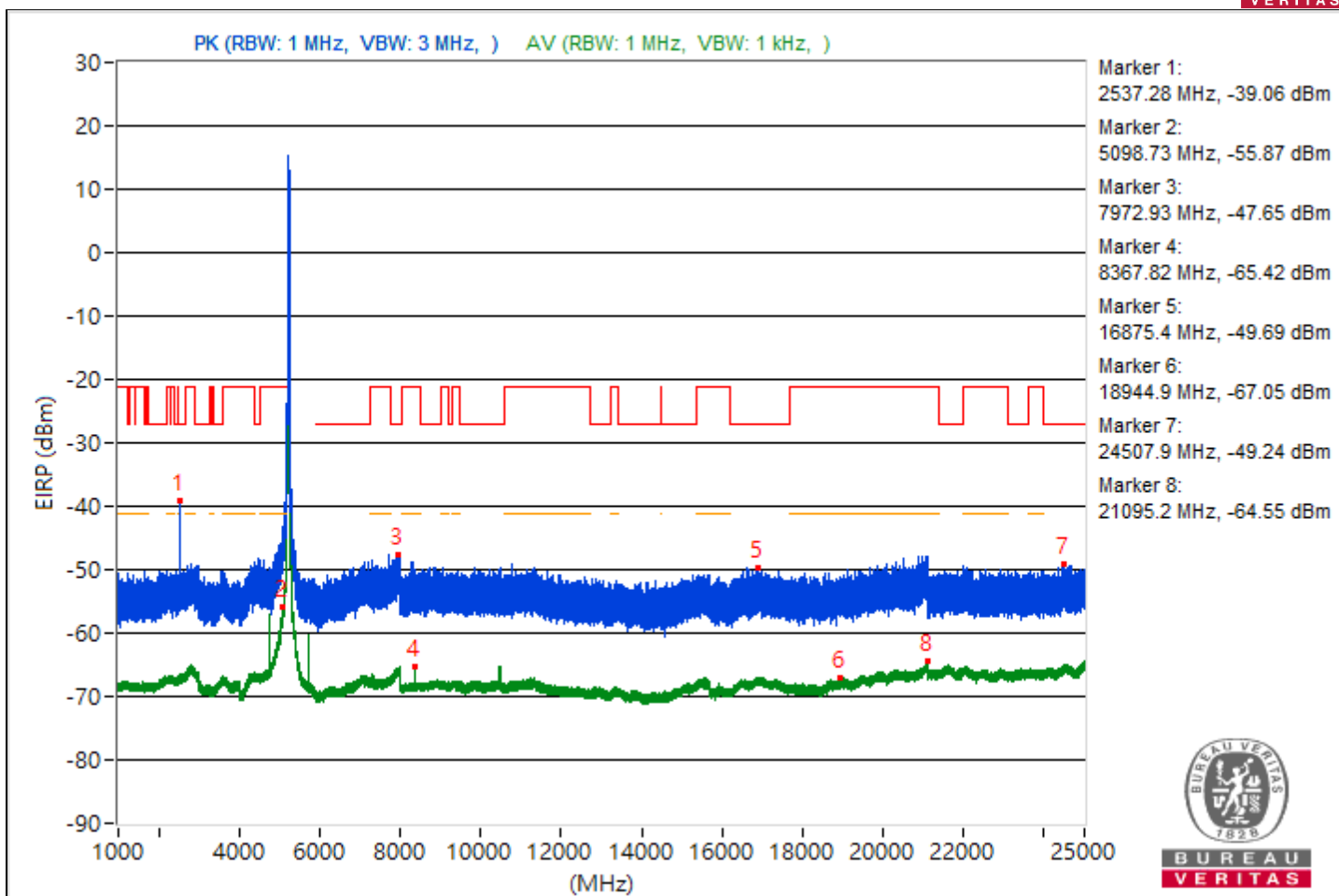


RF Mode	802.11ac (VHT40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2537.28	56.2 PK	68.26	-12.06	-44.66	5.6	-39.06
2	5098.73	39.39 AV	54	-14.61	-61.47	5.6	-55.87
3	#7972.93	47.61 PK	68.26	-20.65	-53.25	5.6	-47.65
4	8367.82	29.84 AV	54	-24.16	-71.02	5.6	-65.42
5	#16875.4	45.57 PK	68.26	-22.69	-55.29	5.6	-49.69
6	18944.9	28.21 AV	54	-25.79	-72.65	5.6	-67.05
7	#24507.9	46.02 PK	68.26	-22.24	-54.84	5.6	-49.24
8	21095.2	30.71 AV	54	-23.29	-70.15	5.6	-64.55
9	#38506.49	39.65 PK	68.26	-28.61	-61.21	5.6	-55.61
10	38929.42	29.79 AV	54	-24.21	-71.07	5.6	-65.47

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



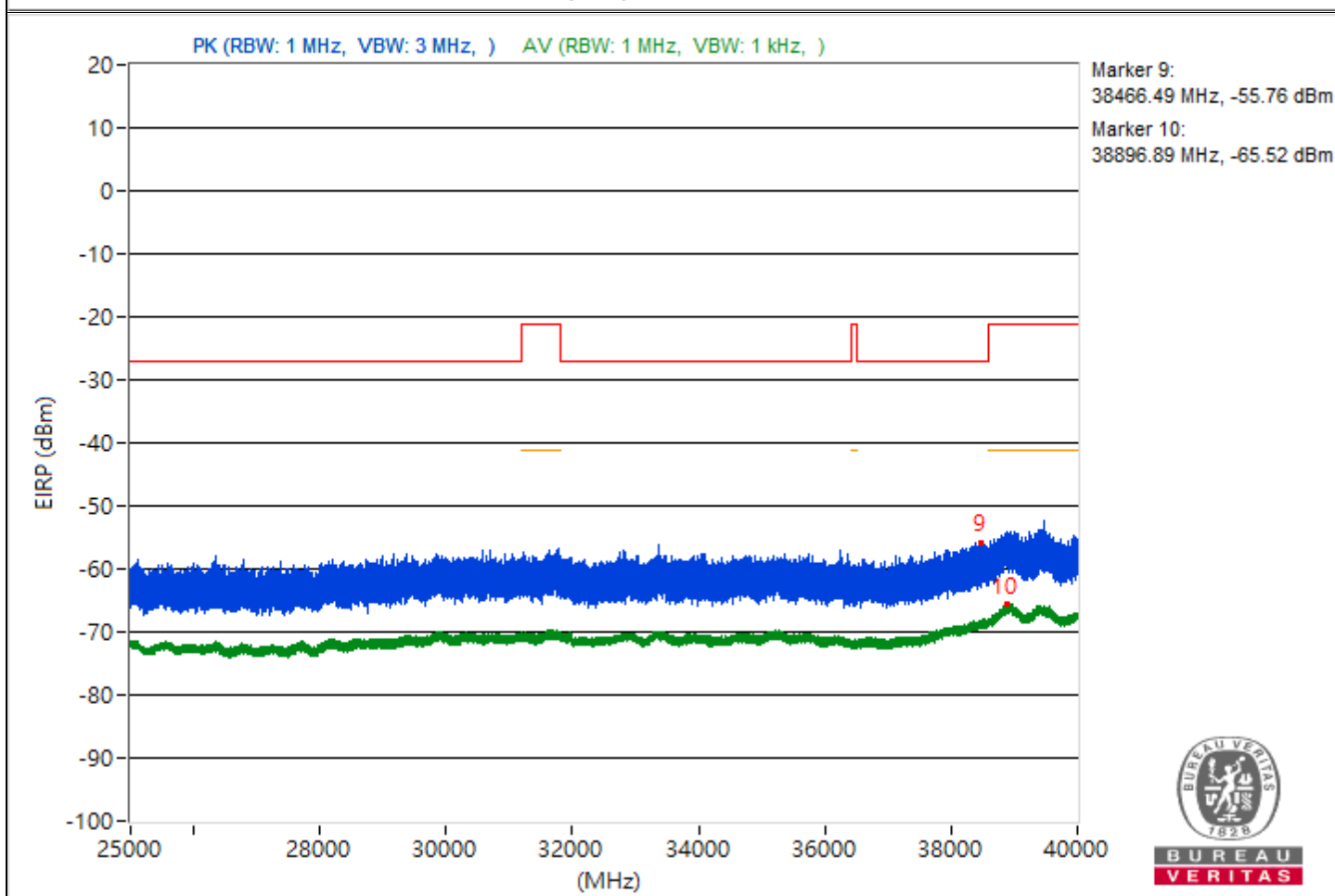
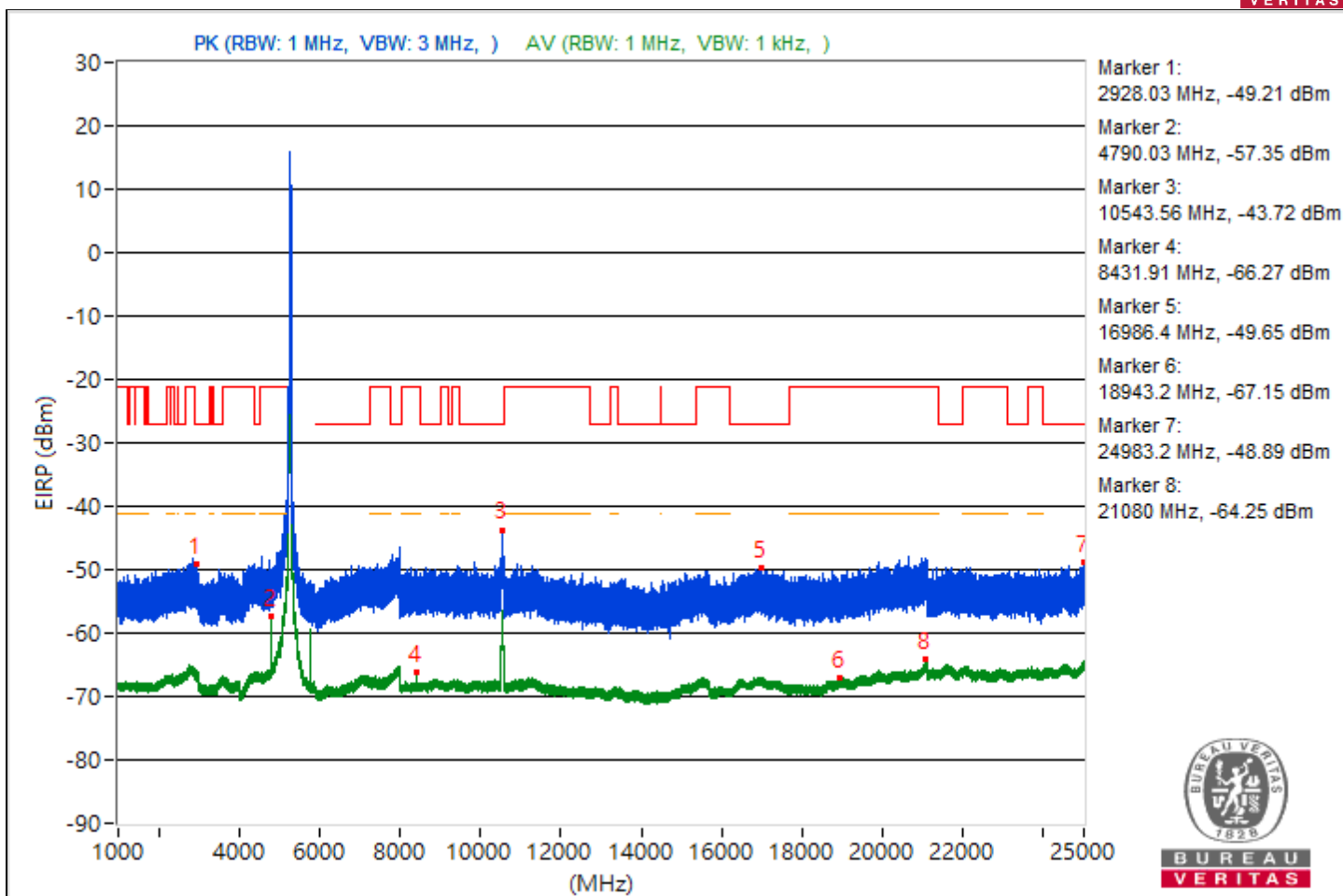
RF Mode	802.11ac (VHT40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2928.03	46.05 PK	68.26	-22.21	-54.81	5.6	-49.21
2	4790.03	37.91 AV	54	-16.09	-62.95	5.6	-57.35
3	#10543.56	51.54 PK	68.26	-16.72	-49.32	5.6	-43.72
4	8431.91	28.99 AV	54	-25.01	-71.87	5.6	-66.27
5	#16986.4	45.61 PK	68.26	-22.65	-55.25	5.6	-49.65
6	18943.2	28.11 AV	54	-25.89	-72.75	5.6	-67.15
7	#24983.2	46.37 PK	68.26	-21.89	-54.49	5.6	-48.89
8	21080	31.01 AV	54	-22.99	-69.85	5.6	-64.25
9	#38466.49	39.5 PK	68.26	-28.76	-61.36	5.6	-55.76
10	38896.89	29.74 AV	54	-24.26	-71.12	5.6	-65.52

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

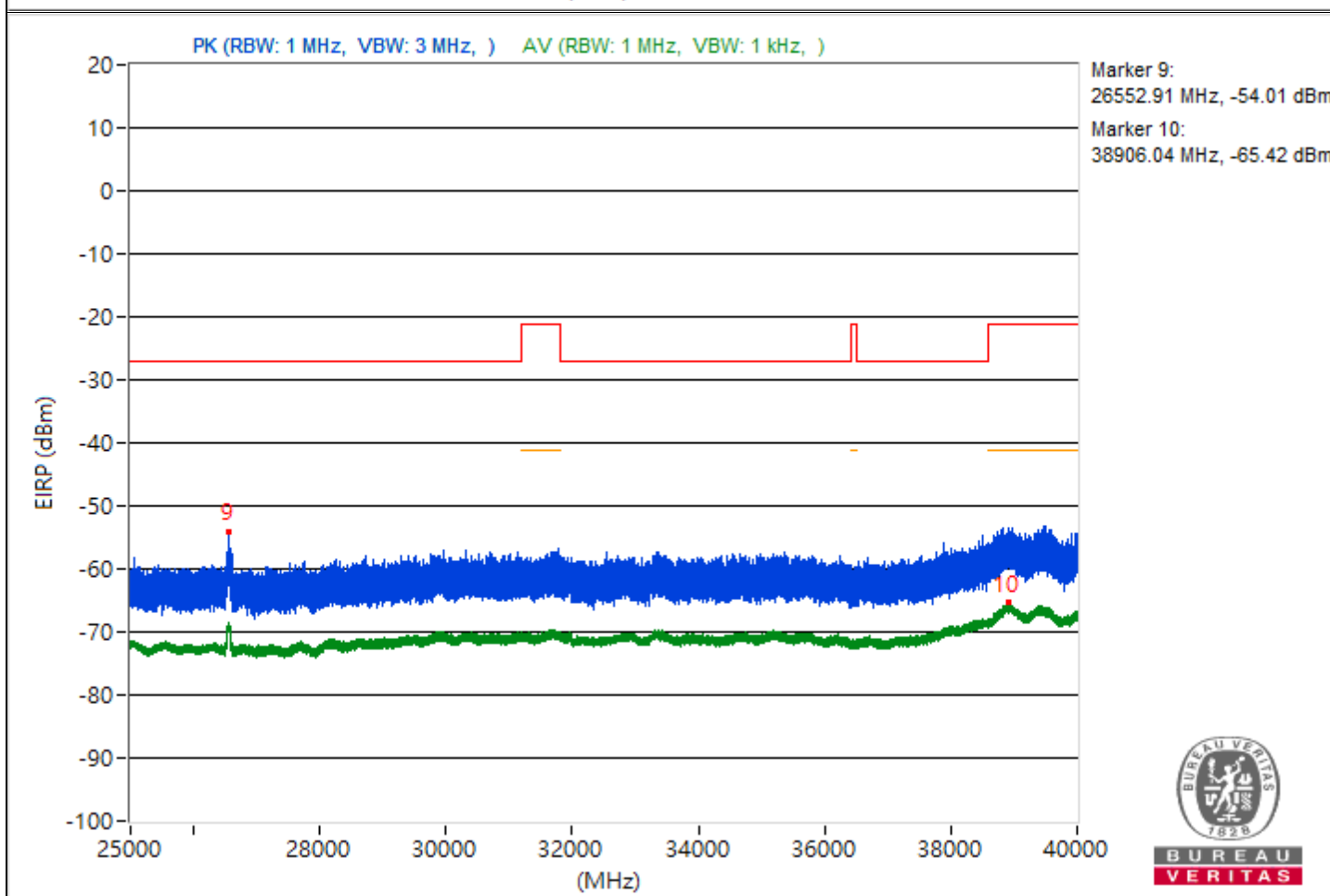
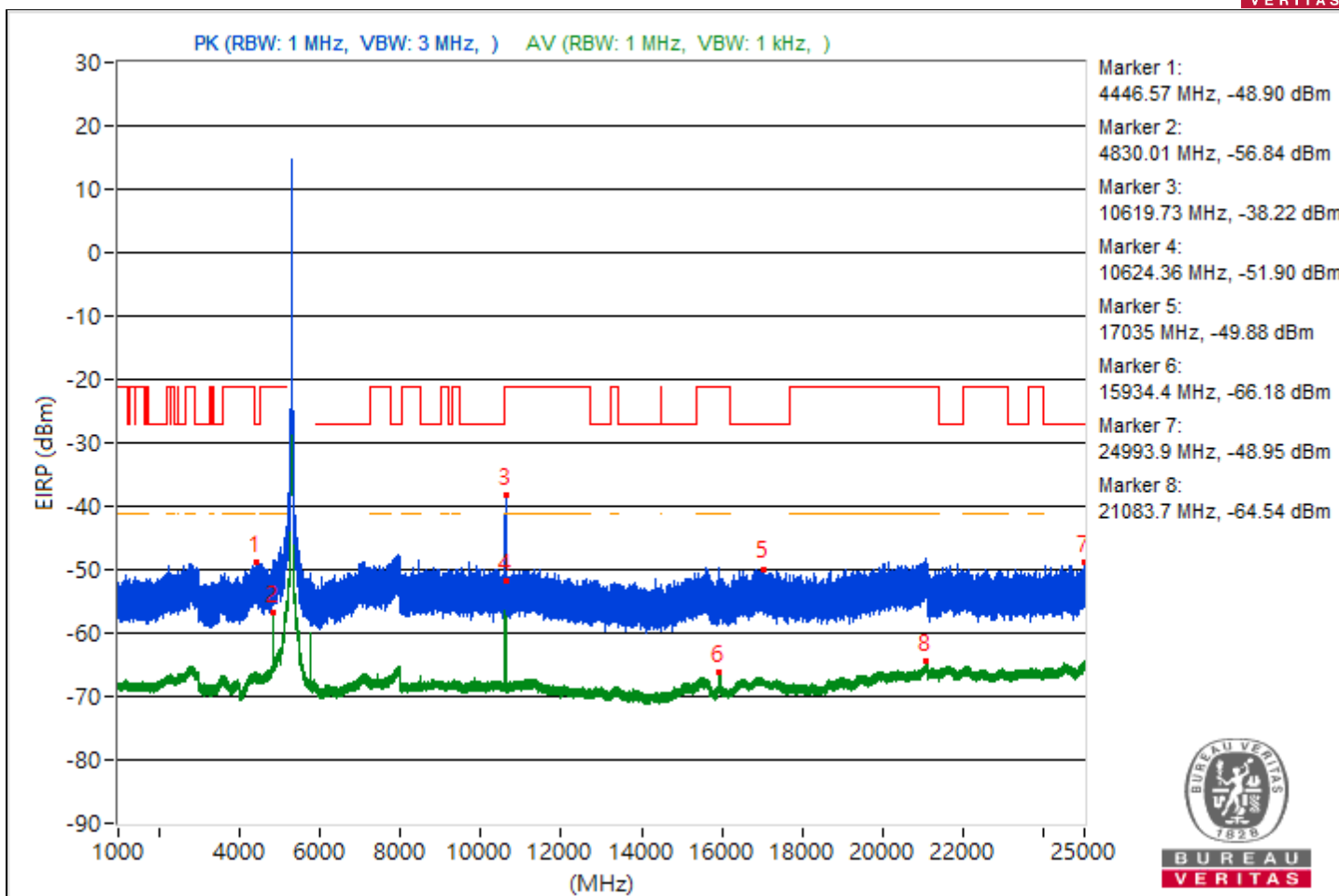


RF Mode	802.11ac (VHT40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#4446.57	46.36 PK	68.26	-21.9	-54.5	5.6	-48.9
2	4830.01	38.42 AV	54	-15.58	-62.44	5.6	-56.84
3	10619.73	57.04 PK	74	-16.96	-43.82	5.6	-38.22
4	10624.36	43.36 AV	54	-10.64	-57.5	5.6	-51.9
5	#17035	45.38 PK	68.26	-22.88	-55.48	5.6	-49.88
6	15934.4	29.08 AV	54	-24.92	-71.78	5.6	-66.18
7	#24993.9	46.31 PK	68.26	-21.95	-54.55	5.6	-48.95
8	21083.7	30.72 AV	54	-23.28	-70.14	5.6	-64.54
9	#26552.91	41.25 PK	68.26	-27.01	-59.61	5.6	-54.01
10	38906.04	29.84 AV	54	-24.16	-71.02	5.6	-65.42

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



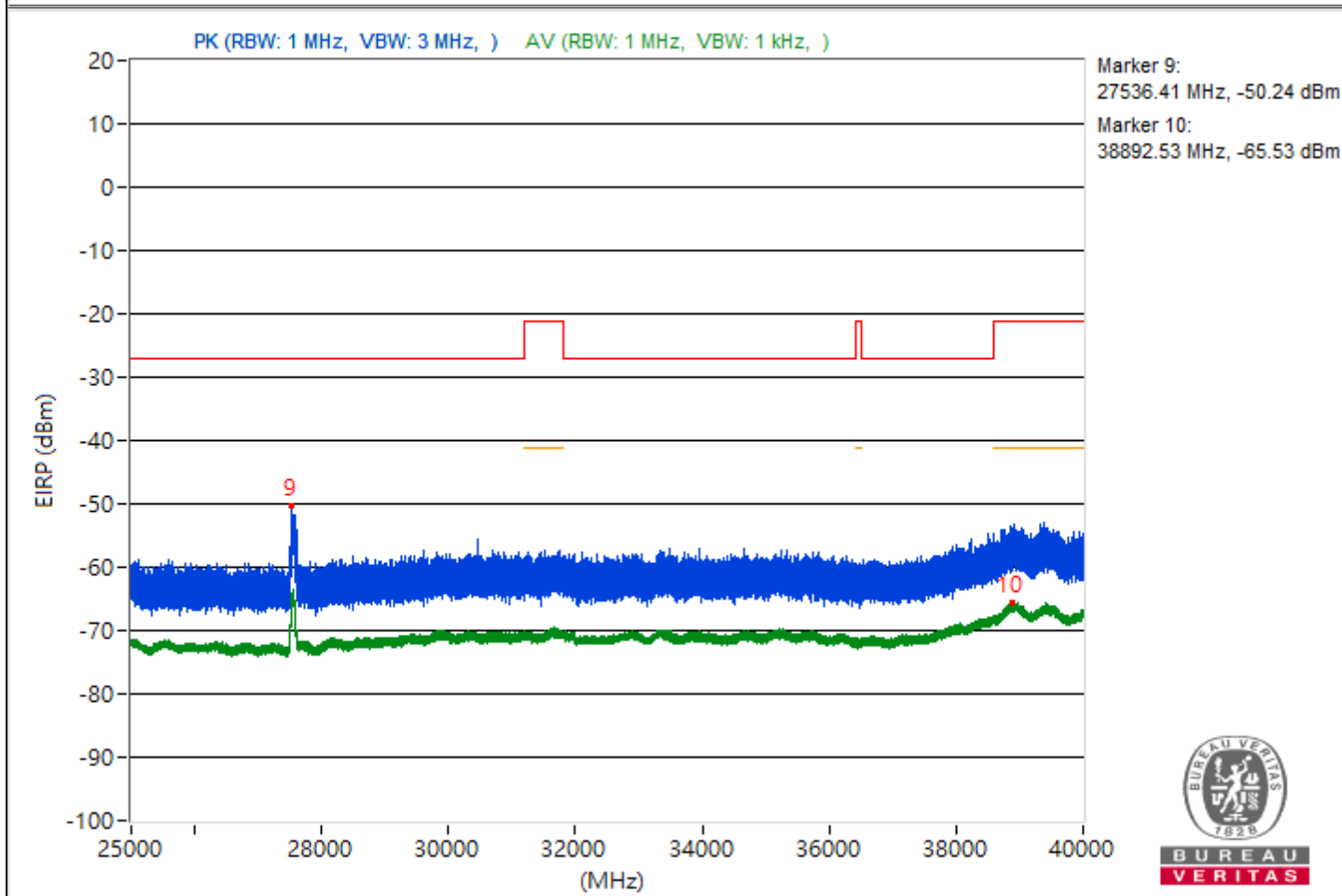
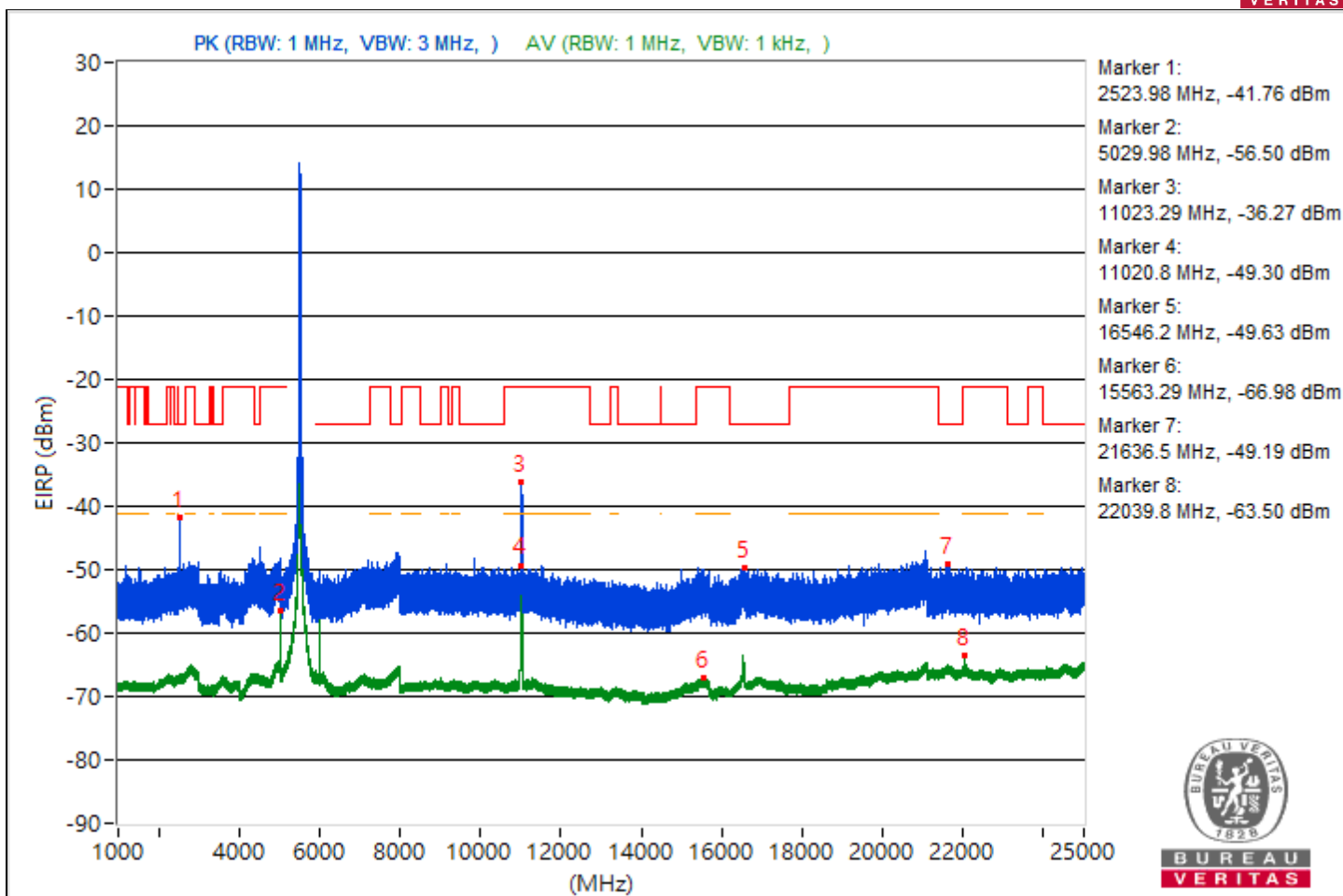
RF Mode	802.11ac (VHT40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2523.98	53.5 PK	68.26	-14.76	-47.36	5.6	-41.76
2	5029.98	38.76 AV	54	-15.24	-62.1	5.6	-56.5
3	11023.29	58.99 PK	74	-15.01	-41.87	5.6	-36.27
4	11020.8	45.96 AV	54	-8.04	-54.9	5.6	-49.3
5	#16546.2	45.63 PK	68.26	-22.63	-55.23	5.6	-49.63
6	15563.29	28.28 AV	54	-25.72	-72.58	5.6	-66.98
7	#21636.5	46.07 PK	68.26	-22.19	-54.79	5.6	-49.19
8	22039.8	31.76 AV	54	-22.24	-69.1	5.6	-63.5
9	#27536.41	45.02 PK	68.26	-23.24	-55.84	5.6	-50.24
10	38892.53	29.73 AV	54	-24.27	-71.13	5.6	-65.53

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



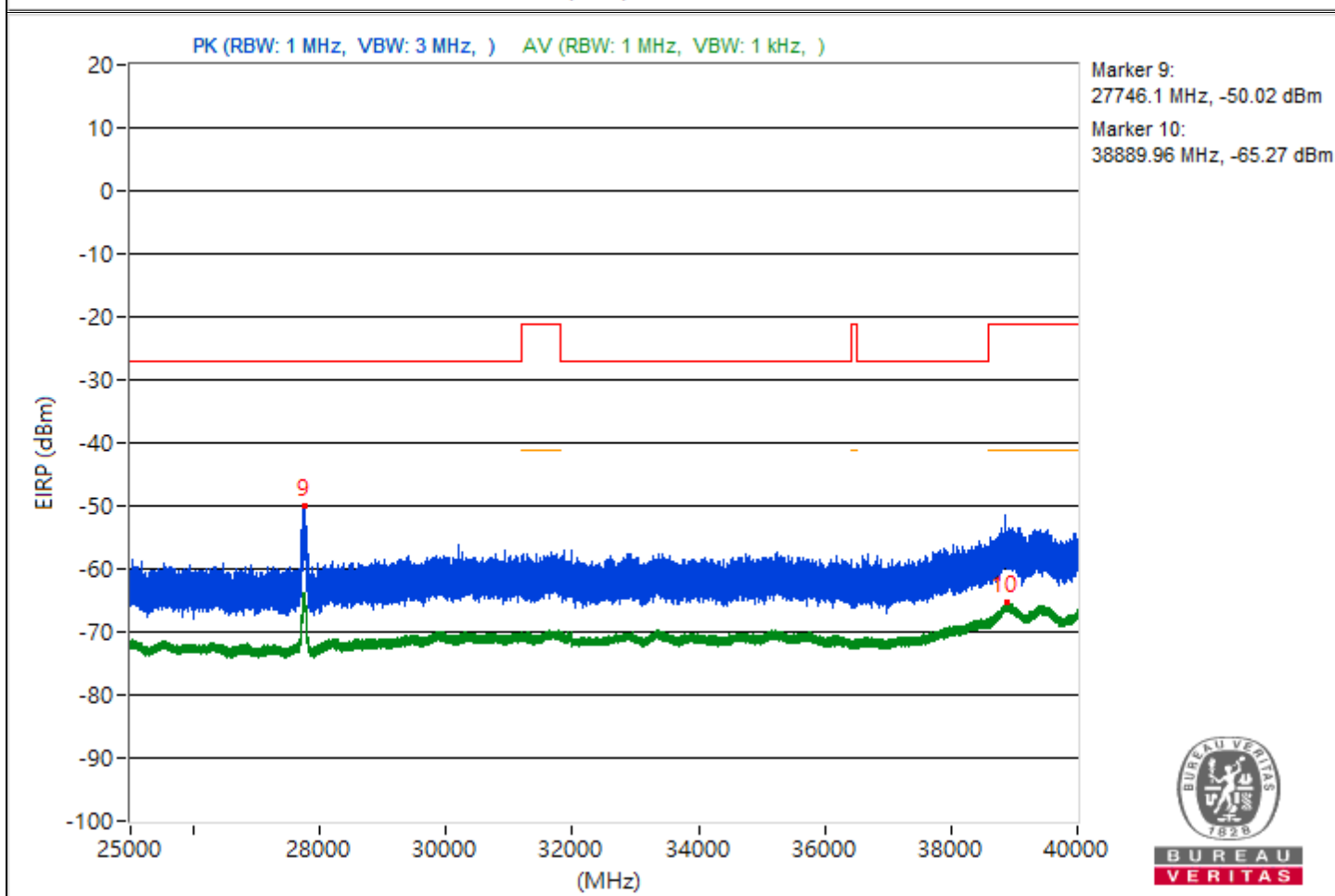
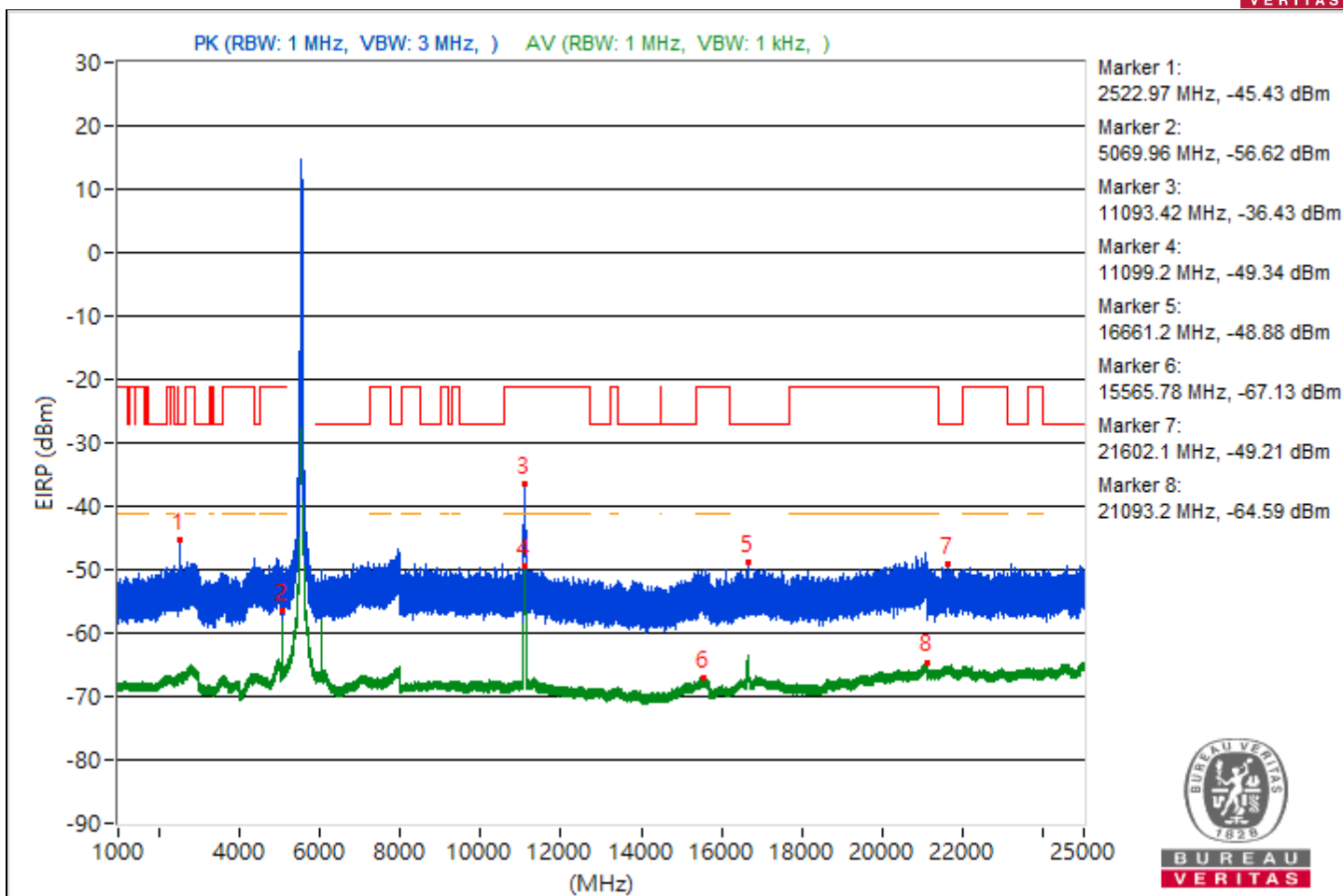
RF Mode	802.11ac (VHT40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2522.97	49.83 PK	68.26	-18.43	-51.03	5.6	-45.43
2	5069.96	38.64 AV	54	-15.36	-62.22	5.6	-56.62
3	11093.42	58.83 PK	74	-15.17	-42.03	5.6	-36.43
4	11099.2	45.92 AV	54	-8.08	-54.94	5.6	-49.34
5	#16661.2	46.38 PK	68.26	-21.88	-54.48	5.6	-48.88
6	15565.78	28.13 AV	54	-25.87	-72.73	5.6	-67.13
7	#21602.1	46.05 PK	68.26	-22.21	-54.81	5.6	-49.21
8	21093.2	30.67 AV	54	-23.33	-70.19	5.6	-64.59
9	#27746.1	45.24 PK	68.26	-23.02	-55.62	5.6	-50.02
10	38889.96	29.99 AV	54	-24.01	-70.87	5.6	-65.27

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

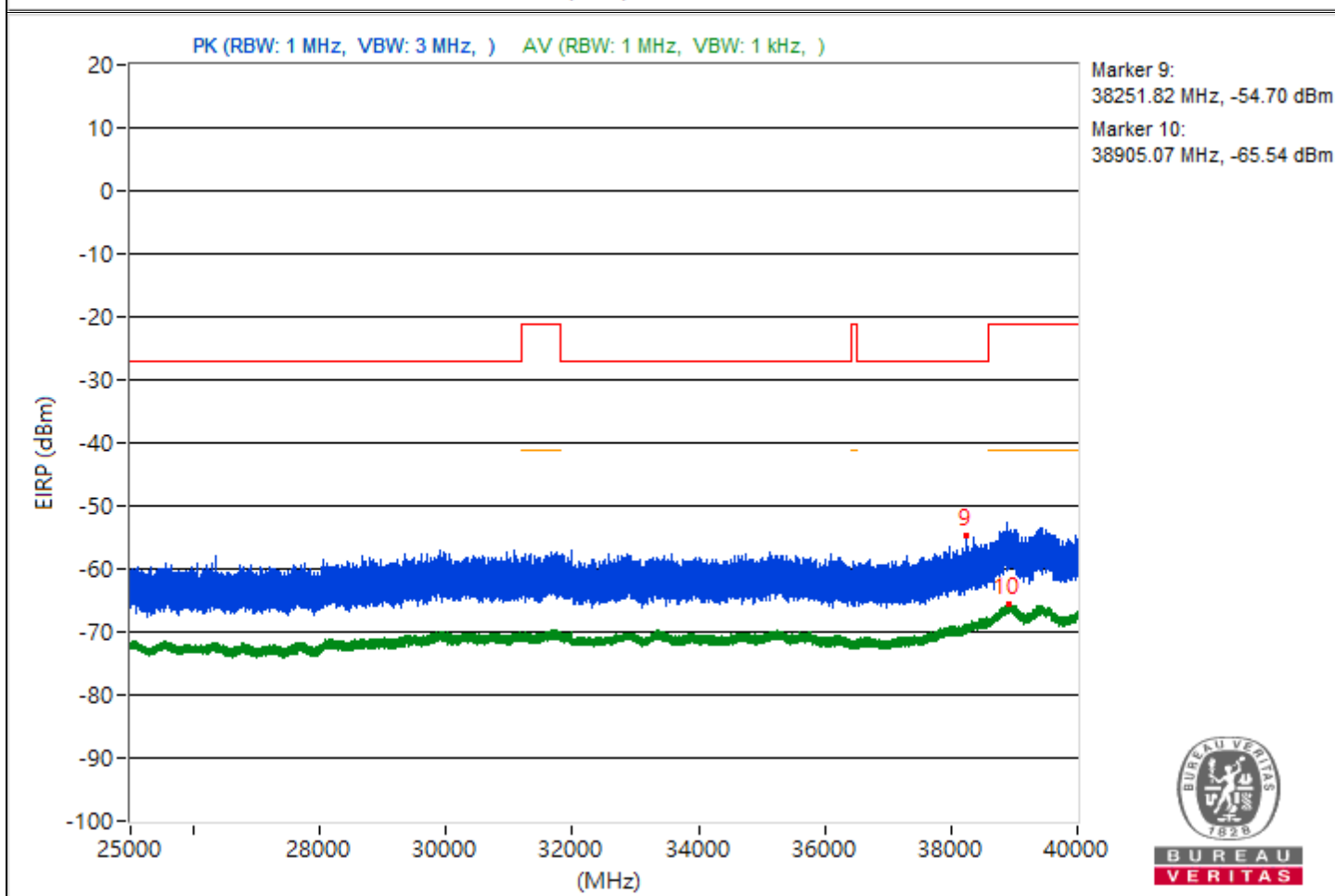
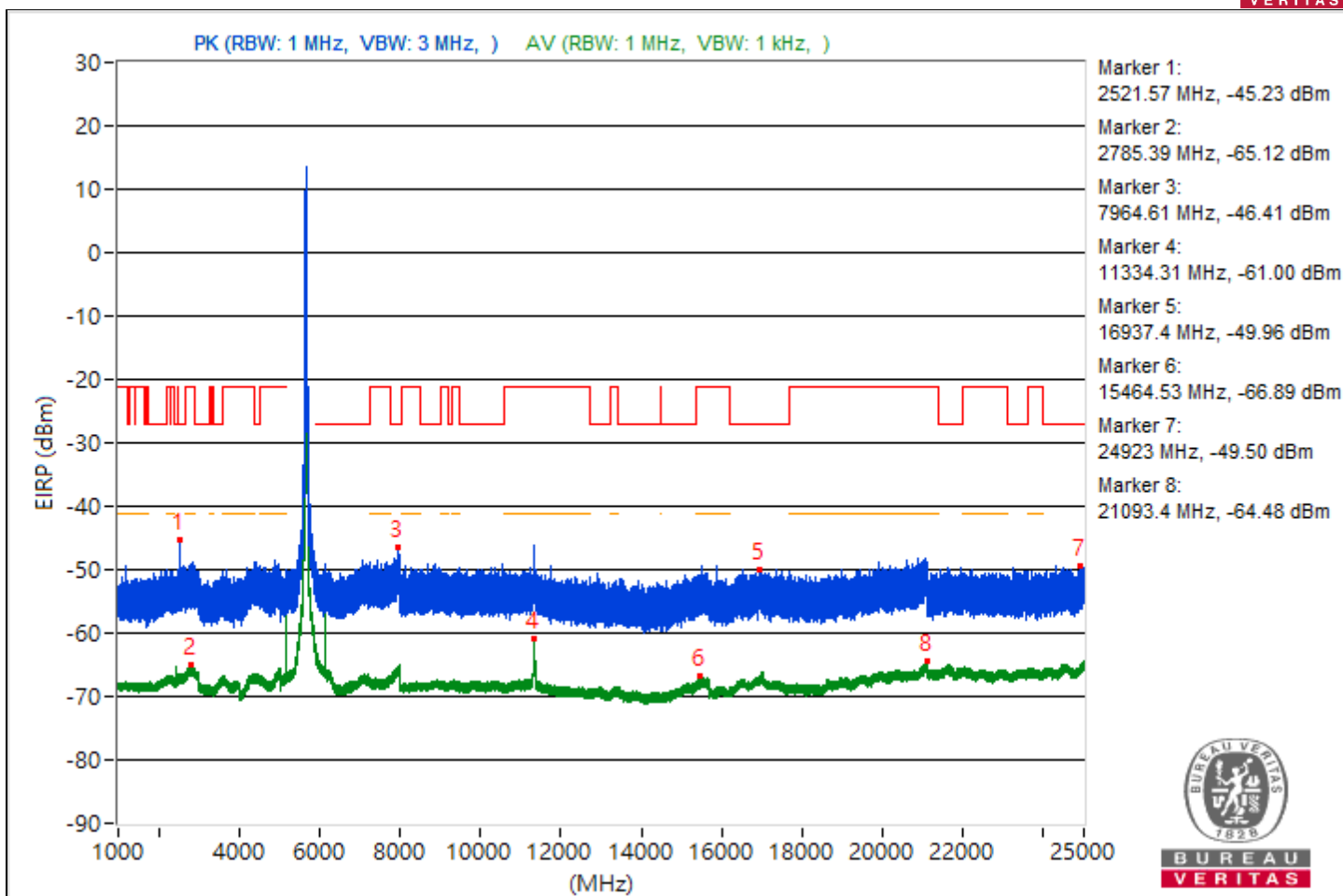


RF Mode	802.11ac (VHT40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2521.57	50.03 PK	68.26	-18.23	-50.83	5.6	-45.23
2	2785.39	30.14 AV	54	-23.86	-70.72	5.6	-65.12
3	#7964.61	48.85 PK	68.26	-19.41	-52.01	5.6	-46.41
4	11334.31	34.26 AV	54	-19.74	-66.6	5.6	-61
5	#16937.4	45.3 PK	68.26	-22.96	-55.56	5.6	-49.96
6	15464.53	28.37 AV	54	-25.63	-72.49	5.6	-66.89
7	#24923	45.76 PK	68.26	-22.5	-55.1	5.6	-49.5
8	21093.4	30.78 AV	54	-23.22	-70.08	5.6	-64.48
9	#38251.82	40.56 PK	68.26	-27.7	-60.3	5.6	-54.7
10	38905.07	29.72 AV	54	-24.28	-71.14	5.6	-65.54

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



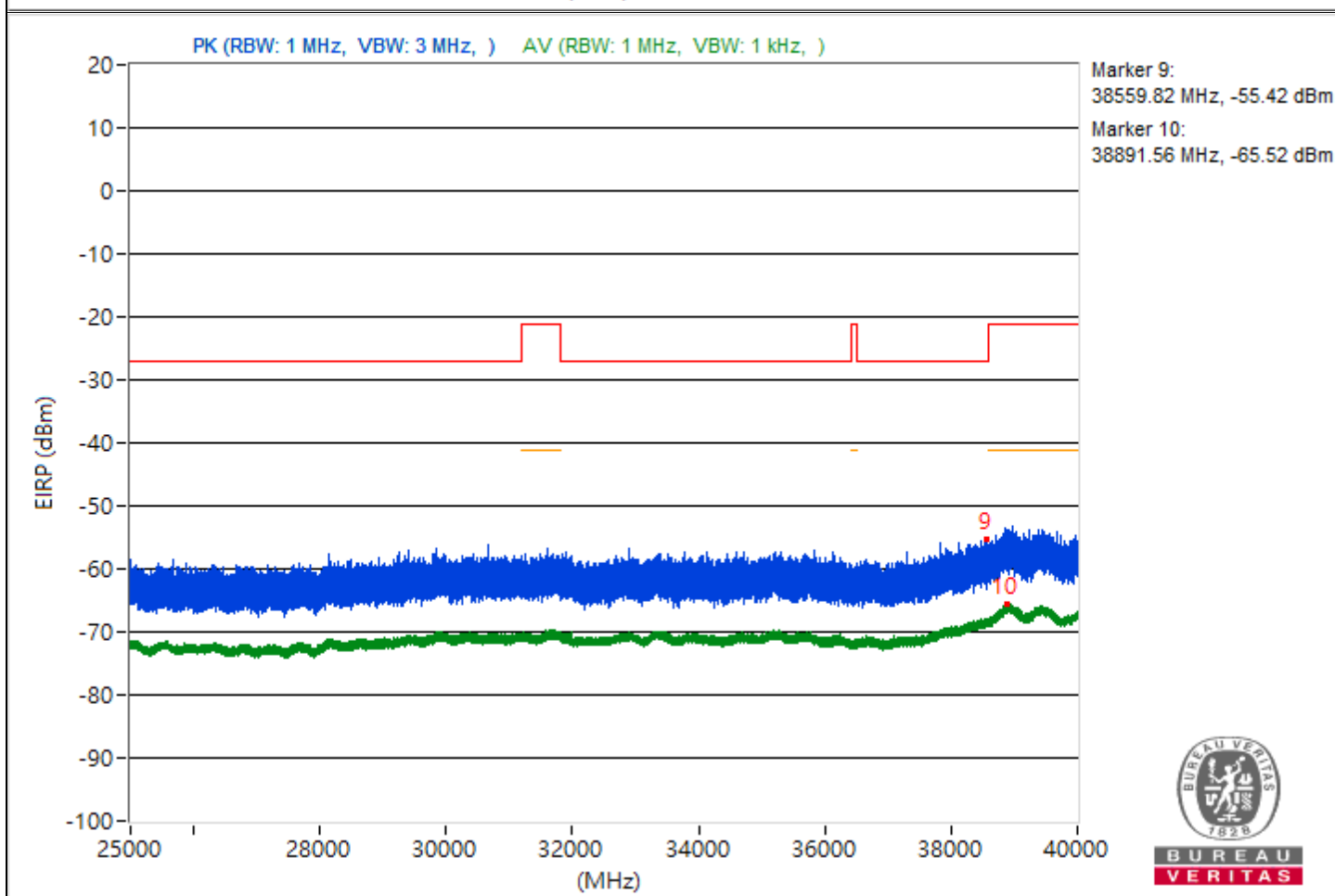
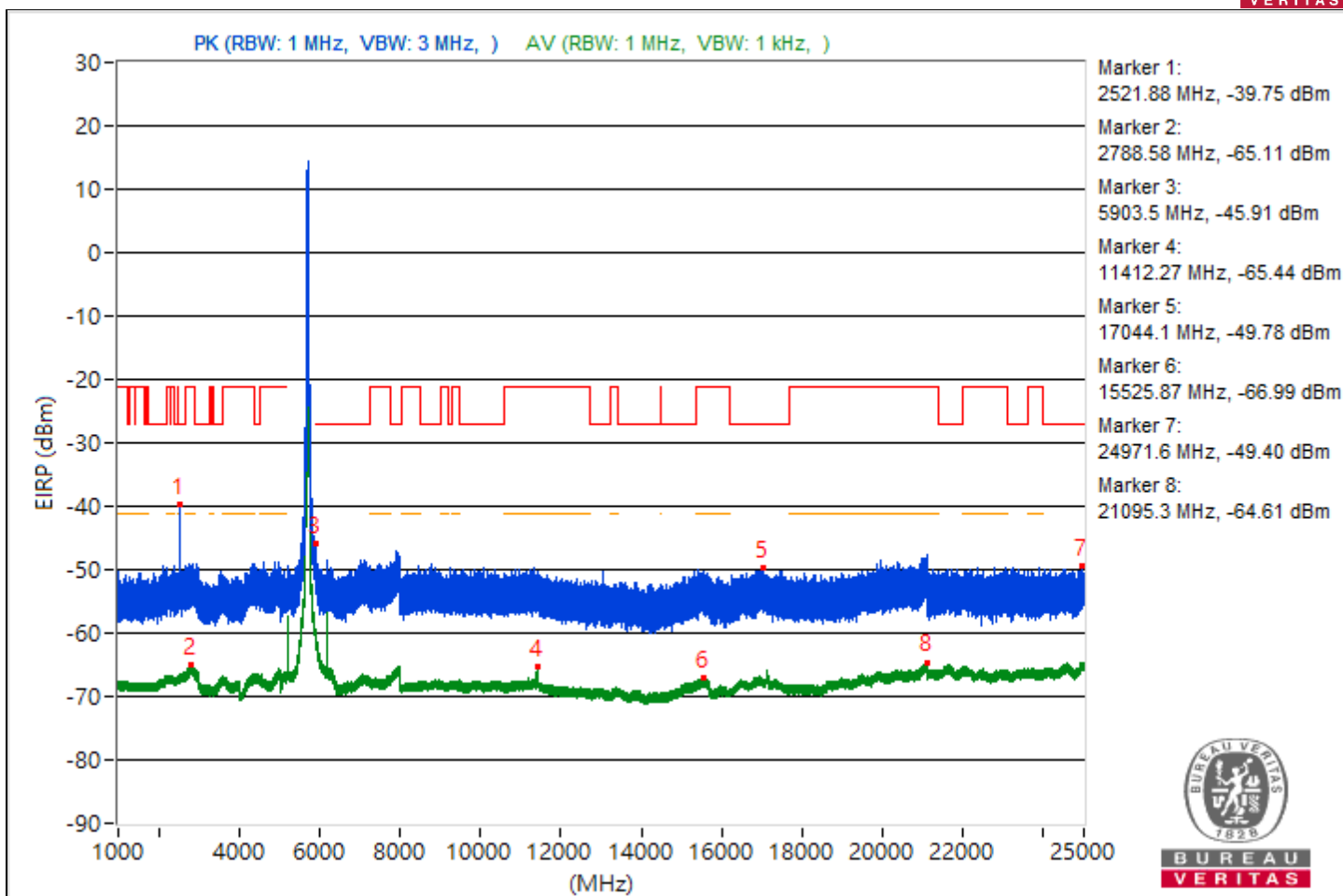
RF Mode	802.11ac (VHT40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2521.88	55.51 PK	68.26	-12.75	-45.35	5.6	-39.75
2	2788.58	30.15 AV	54	-23.85	-70.71	5.6	-65.11
3	#5903.5	49.35 PK	68.26	-18.91	-51.51	5.6	-45.91
4	11412.27	29.82 AV	54	-24.18	-71.04	5.6	-65.44
5	#17044.1	45.48 PK	68.26	-22.78	-55.38	5.6	-49.78
6	15525.87	28.27 AV	54	-25.73	-72.59	5.6	-66.99
7	#24971.6	45.86 PK	68.26	-22.4	-55	5.6	-49.4
8	21095.3	30.65 AV	54	-23.35	-70.21	5.6	-64.61
9	#38559.82	39.84 PK	68.26	-28.42	-61.02	5.6	-55.42
10	38891.56	29.74 AV	54	-24.26	-71.12	5.6	-65.52

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

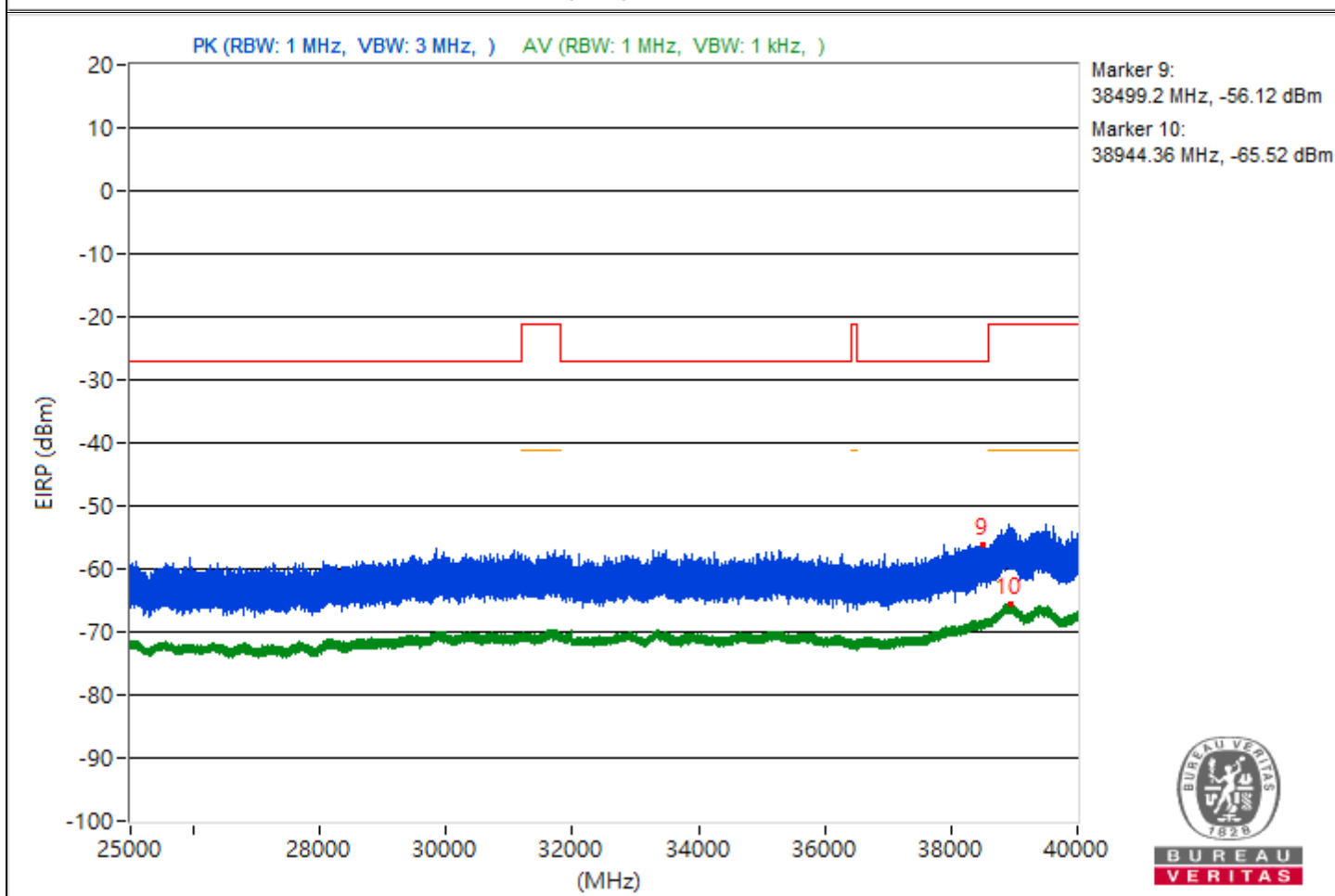
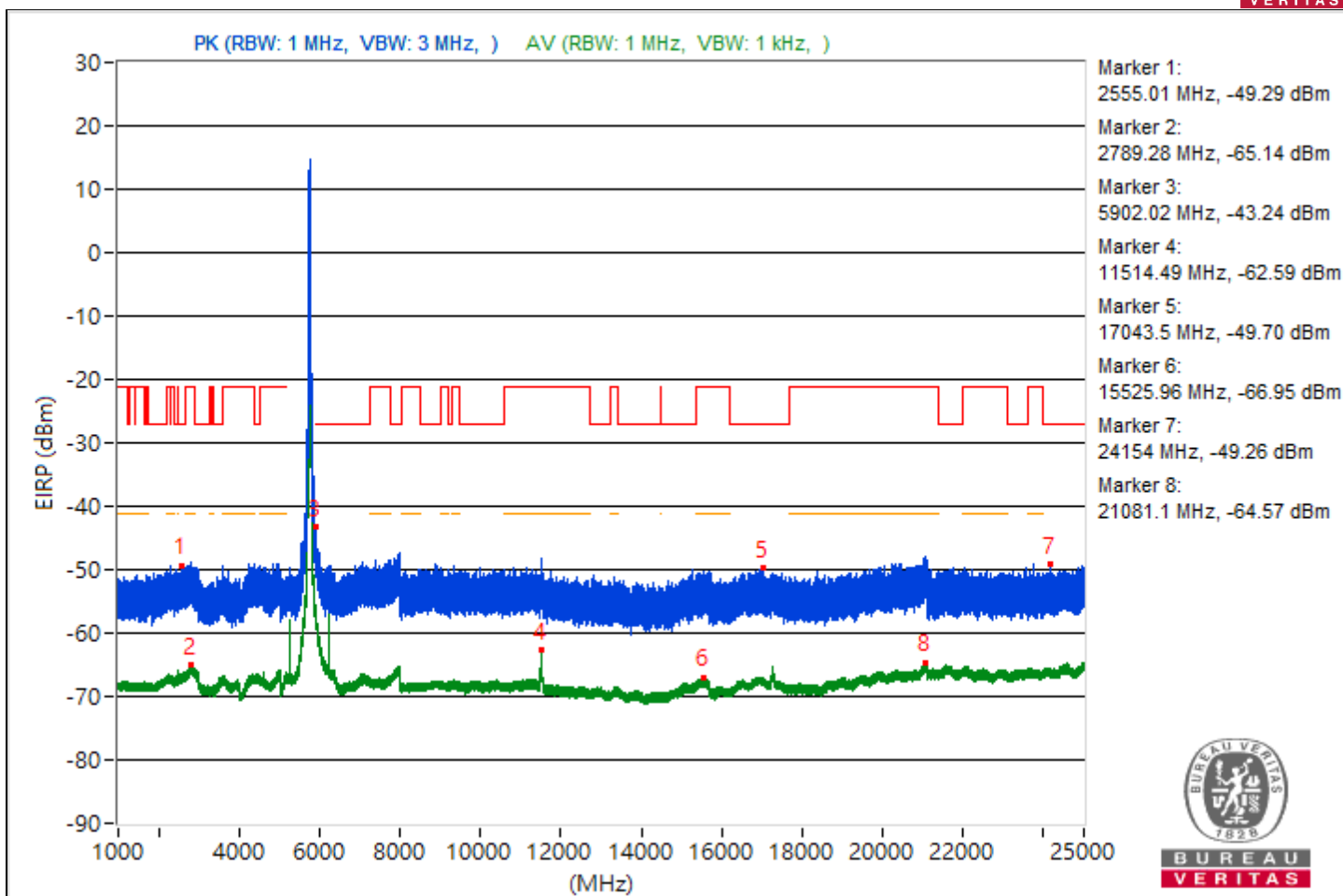


RF Mode	802.11ac (VHT40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2555.01	45.97 PK	68.26	-22.29	-54.89	5.6	-49.29
2	2789.28	30.12 AV	54	-23.88	-70.74	5.6	-65.14
3	#5902.02	52.02 PK	68.26	-16.24	-48.84	5.6	-43.24
4	11514.49	32.67 AV	54	-21.33	-68.19	5.6	-62.59
5	#17043.5	45.56 PK	68.26	-22.7	-55.3	5.6	-49.7
6	15525.96	28.31 AV	54	-25.69	-72.55	5.6	-66.95
7	#24154	46 PK	68.26	-22.26	-54.86	5.6	-49.26
8	21081.1	30.69 AV	54	-23.31	-70.17	5.6	-64.57
9	#38499.2	39.14 PK	68.26	-29.12	-61.72	5.6	-56.12
10	38944.36	29.74 AV	54	-24.26	-71.12	5.6	-65.52

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

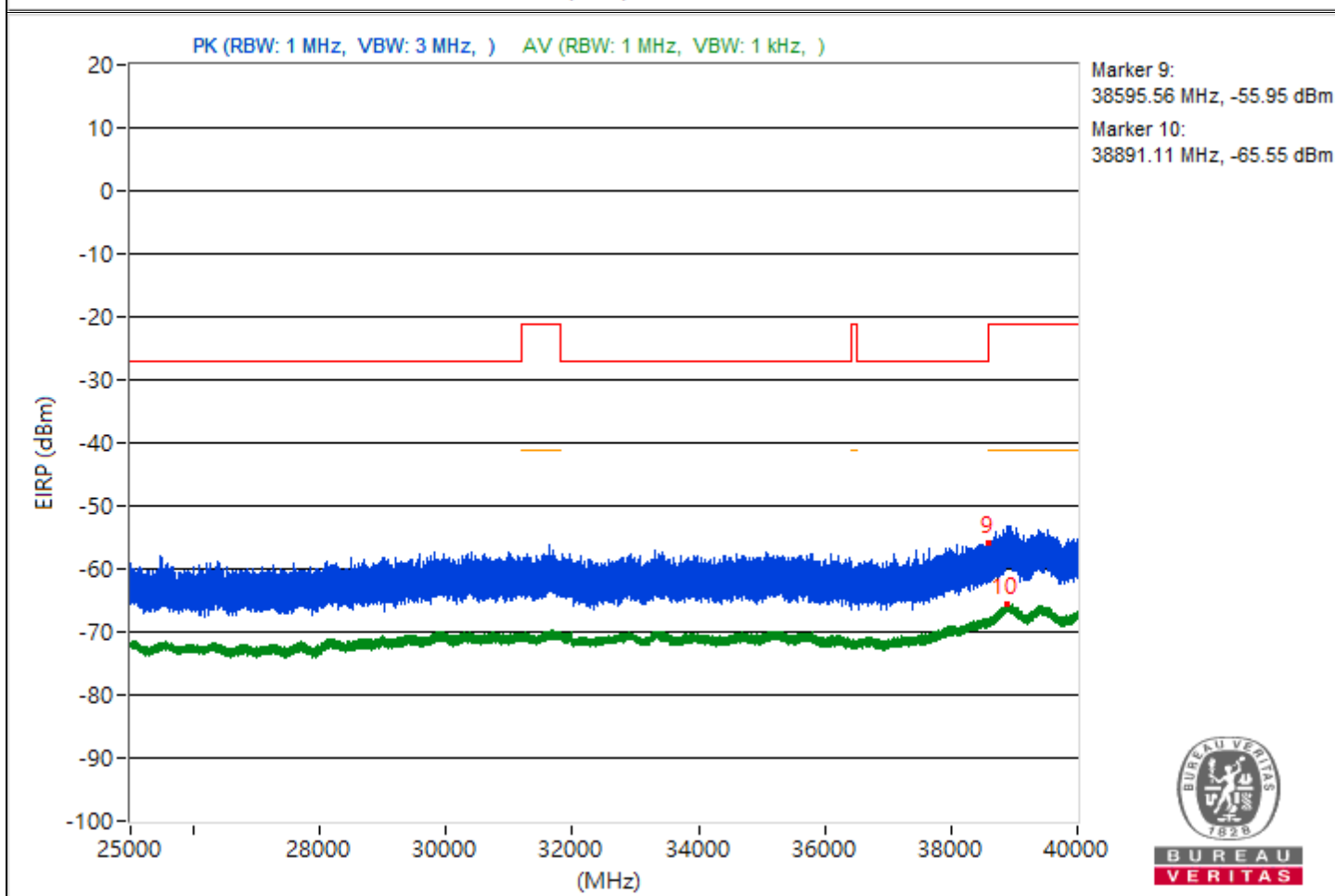
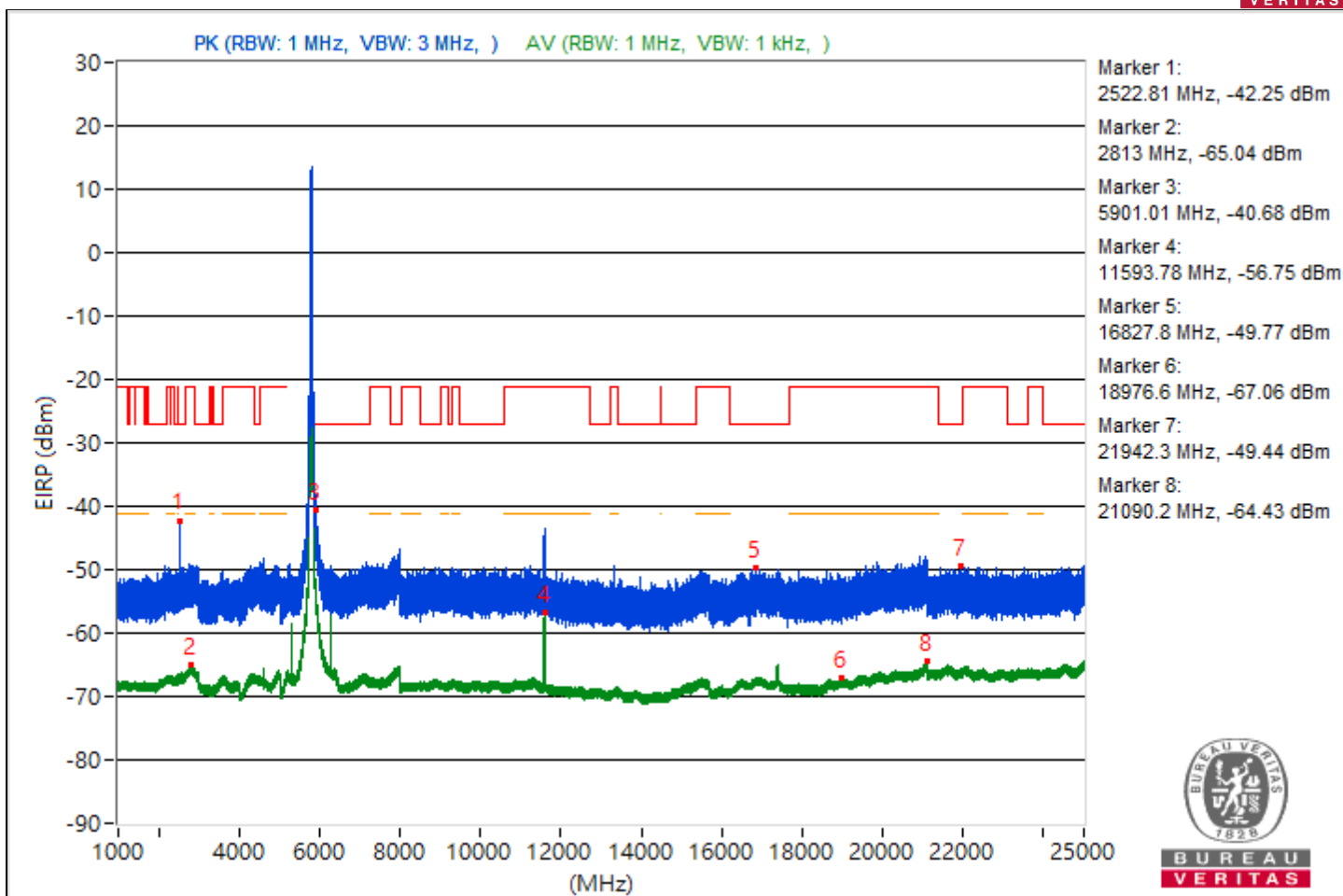


RF Mode	802.11ac (VHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2522.81	53.01 PK	68.26	-15.25	-47.85	5.6	-42.25
2	2813	30.22 AV	54	-23.78	-70.64	5.6	-65.04
3	#5901.01	54.58 PK	68.26	-13.68	-46.28	5.6	-40.68
4	11593.78	38.51 AV	54	-15.49	-62.35	5.6	-56.75
5	#16827.8	45.49 PK	68.26	-22.77	-55.37	5.6	-49.77
6	18976.6	28.2 AV	54	-25.8	-72.66	5.6	-67.06
7	#21942.3	45.82 PK	68.26	-22.44	-55.04	5.6	-49.44
8	21090.2	30.83 AV	54	-23.17	-70.03	5.6	-64.43
9	#38595.56	39.31 PK	68.26	-28.95	-61.55	5.6	-55.95
10	38891.11	29.71 AV	54	-24.29	-71.15	5.6	-65.55

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



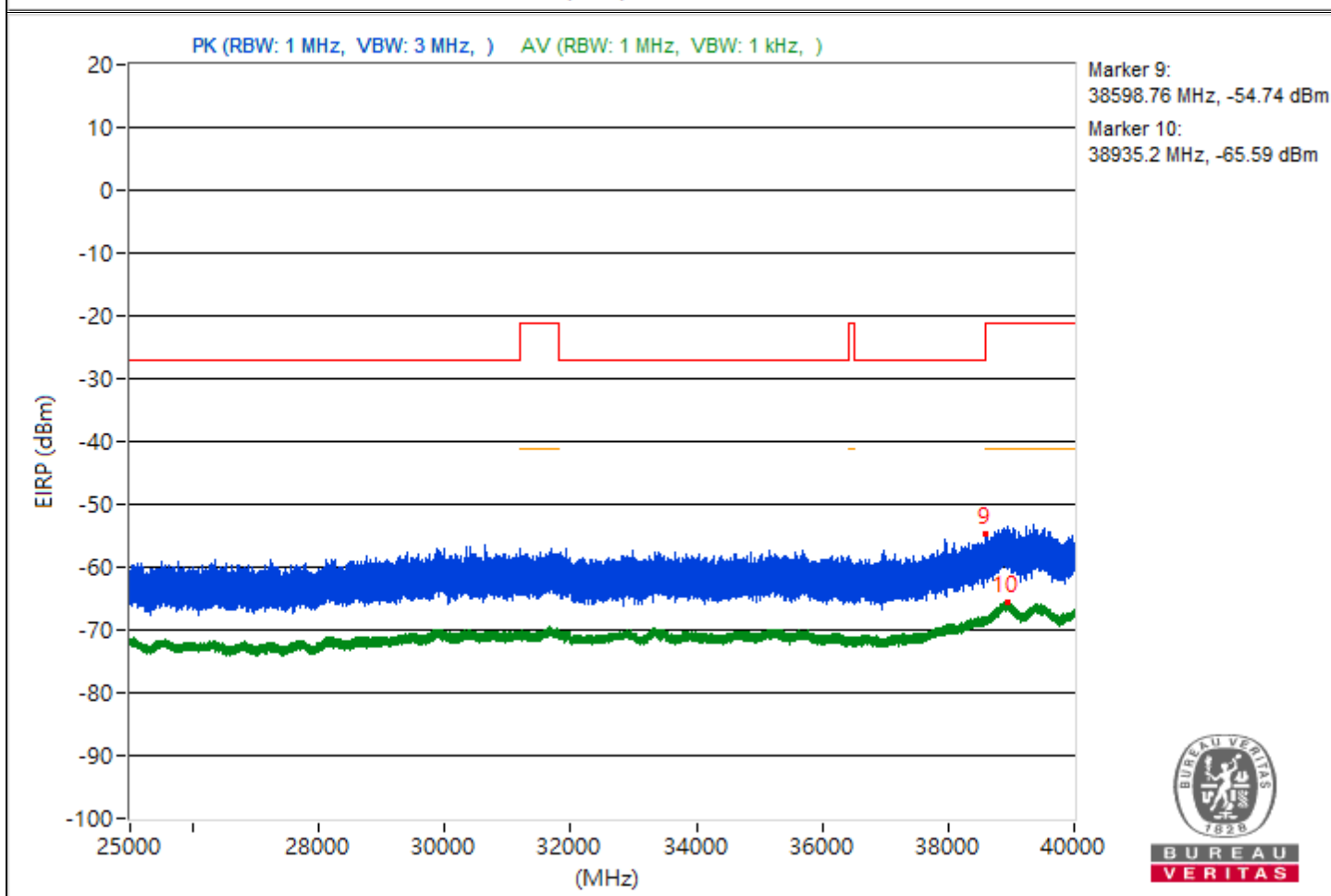
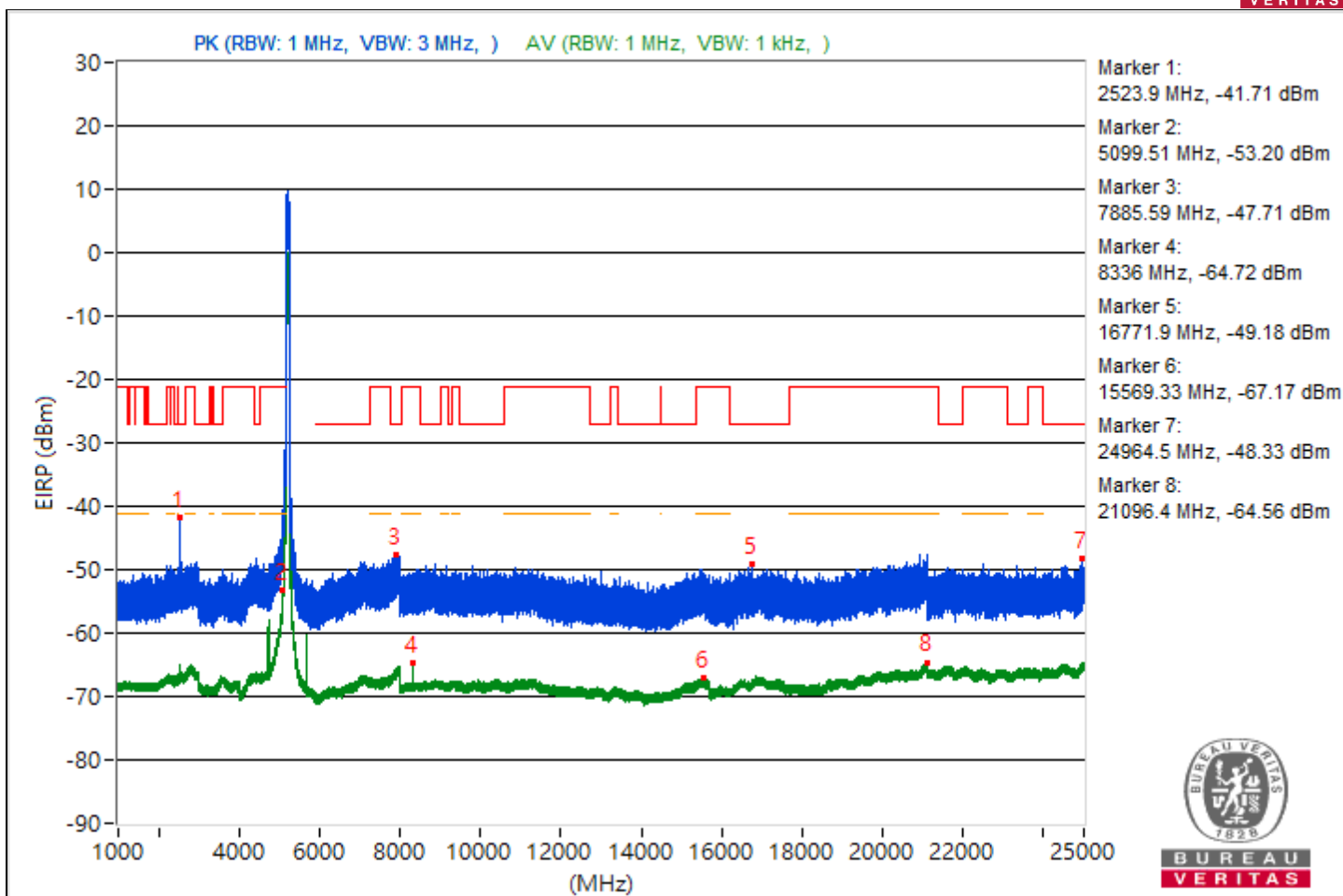
RF Mode	802.11ac (VHT80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2523.9	53.55 PK	68.26	-14.71	-47.31	5.6	-41.71
2	5099.51	42.06 AV	54	-11.94	-58.8	5.6	-53.2
3	#7885.59	47.55 PK	68.26	-20.71	-53.31	5.6	-47.71
4	8336	30.54 AV	54	-23.46	-70.32	5.6	-64.72
5	#16771.9	46.08 PK	68.26	-22.18	-54.78	5.6	-49.18
6	15569.33	28.09 AV	54	-25.91	-72.77	5.6	-67.17
7	#24964.5	46.93 PK	68.26	-21.33	-53.93	5.6	-48.33
8	21096.4	30.7 AV	54	-23.3	-70.16	5.6	-64.56
9	#38598.76	40.52 PK	68.26	-27.74	-60.34	5.6	-54.74
10	38935.2	29.67 AV	54	-24.33	-71.19	5.6	-65.59

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



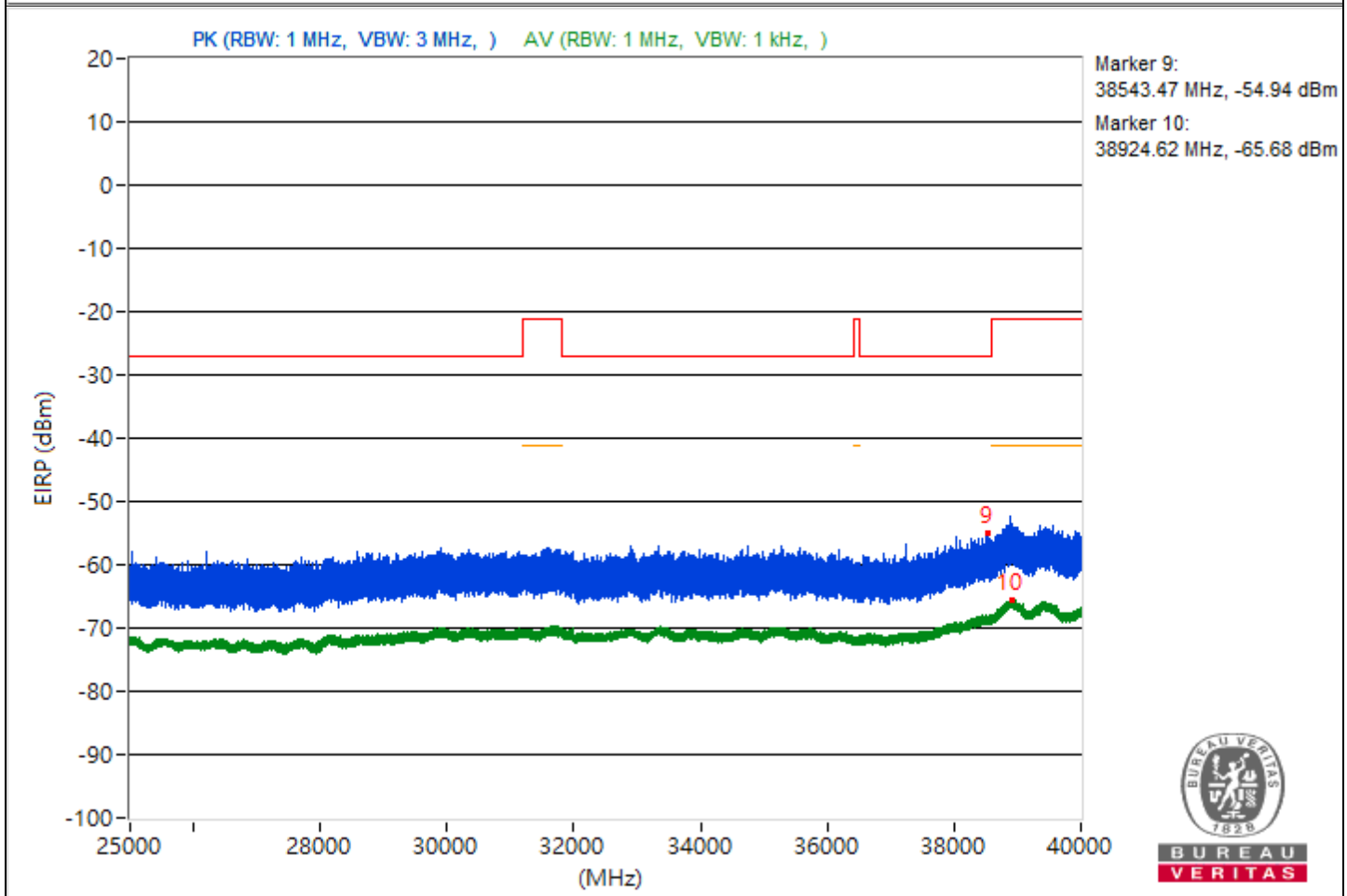
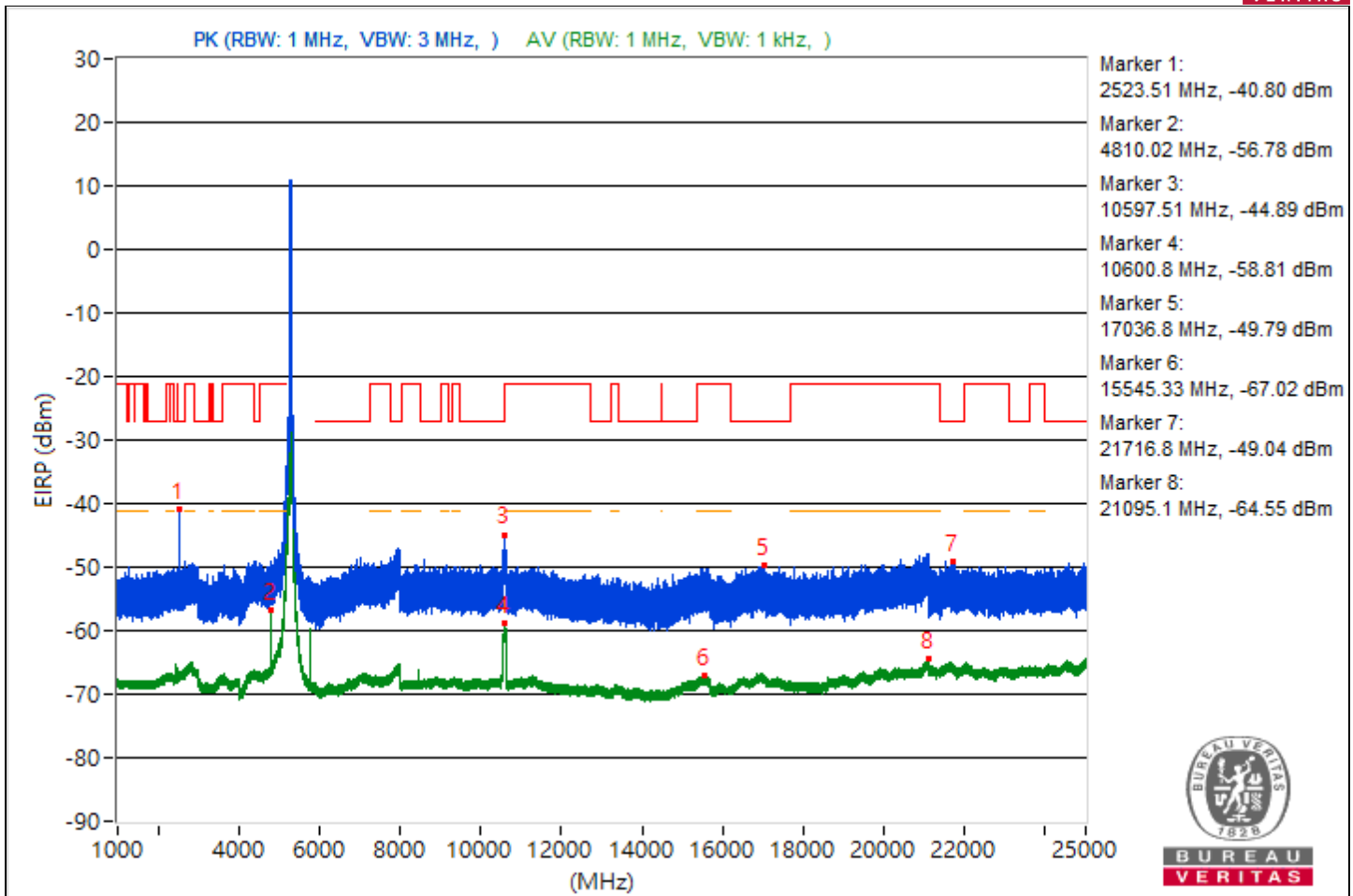
RF Mode	802.11ac (VHT80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2523.51	54.46 PK	68.26	-13.8	-46.4	5.6	-40.8
2	4810.02	38.48 AV	54	-15.52	-62.38	5.6	-56.78
3	#10597.51	50.37 PK	68.26	-17.89	-50.49	5.6	-44.89
4	10600.8	36.45 AV	54	-17.55	-64.41	5.6	-58.81
5	#17036.8	45.47 PK	68.26	-22.79	-55.39	5.6	-49.79
6	15545.33	28.24 AV	54	-25.76	-72.62	5.6	-67.02
7	#21716.8	46.22 PK	68.26	-22.04	-54.64	5.6	-49.04
8	21095.1	30.71 AV	54	-23.29	-70.15	5.6	-64.55
9	#38543.47	40.32 PK	68.26	-27.94	-60.54	5.6	-54.94
10	38924.62	29.58 AV	54	-24.42	-71.28	5.6	-65.68

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



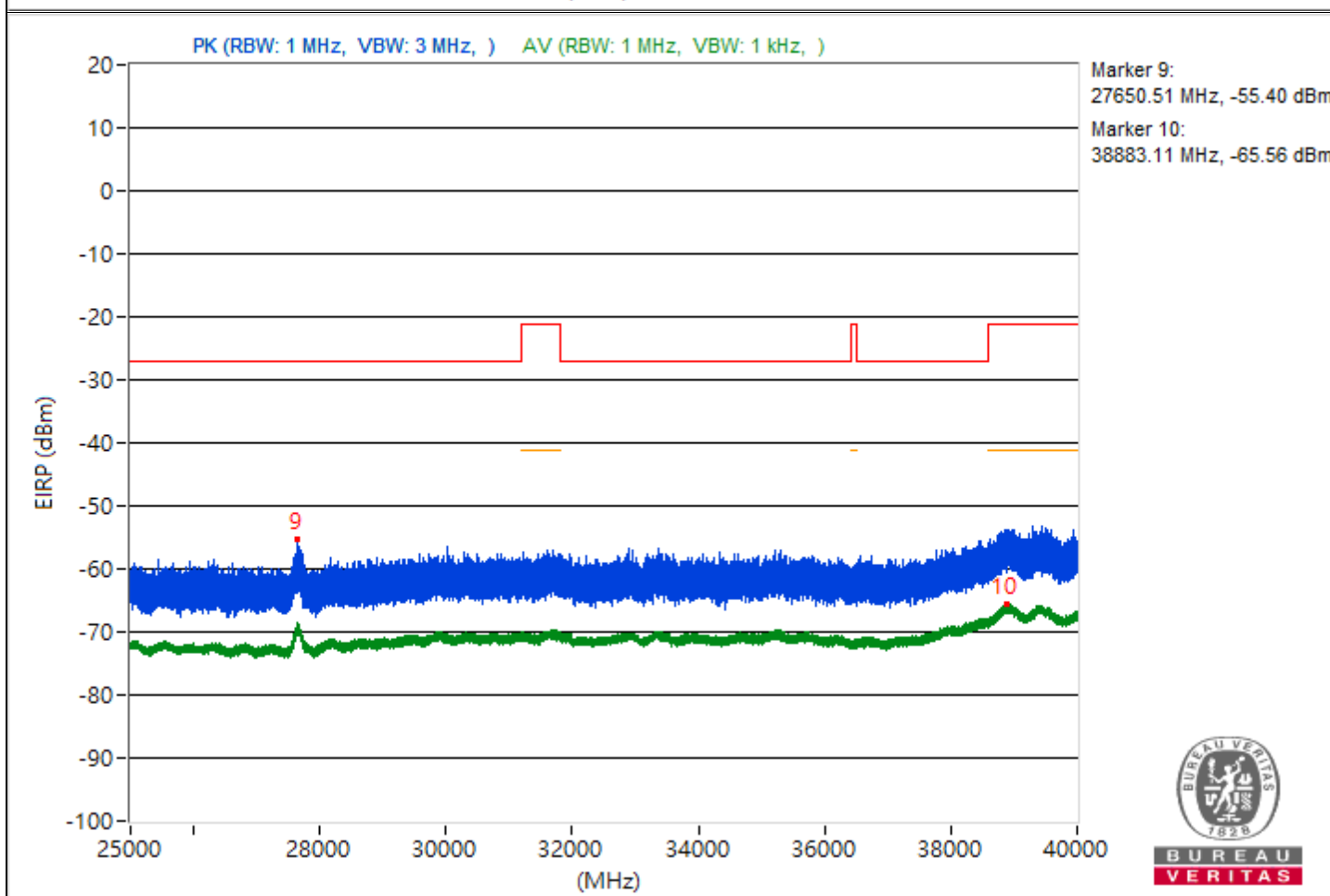
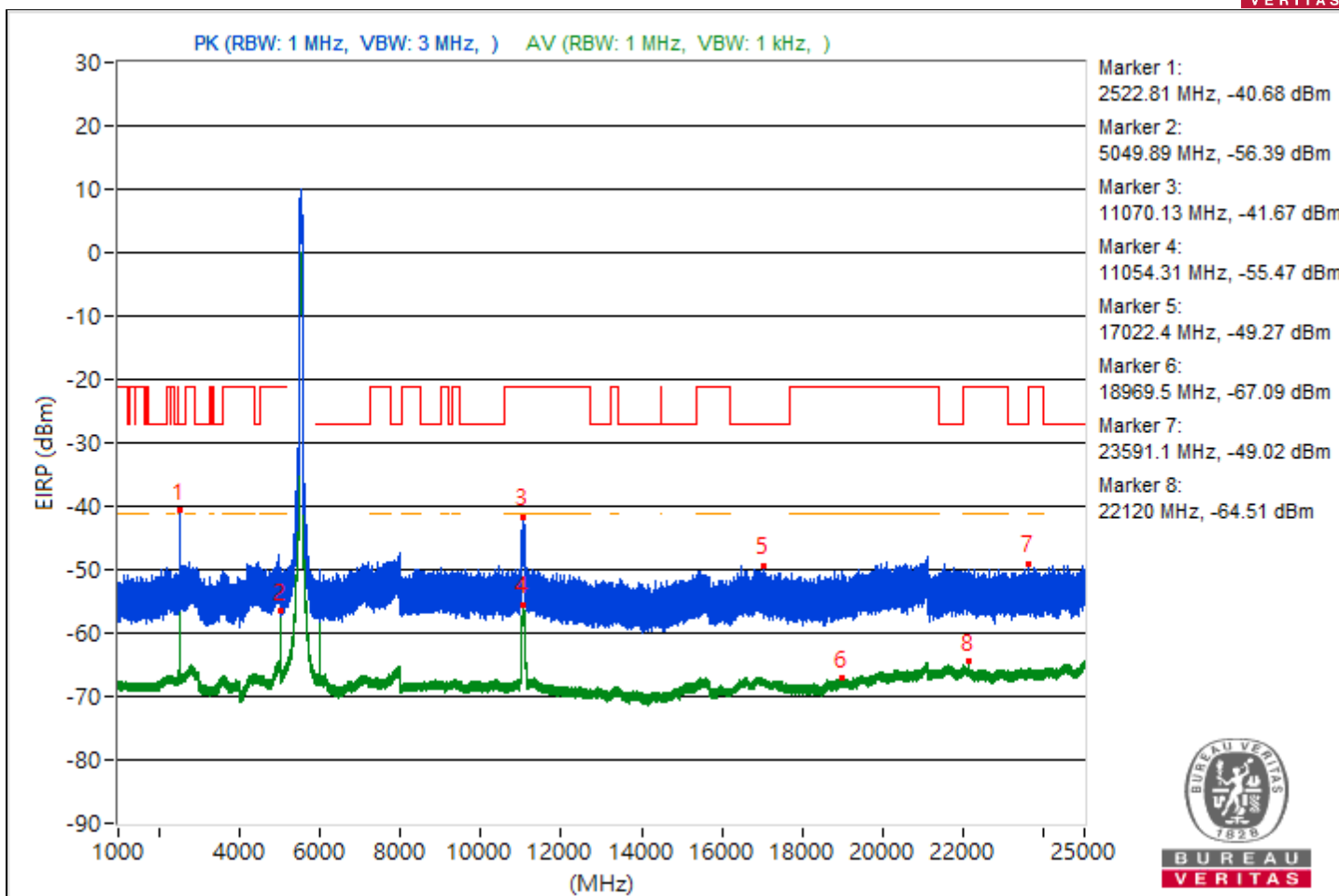
RF Mode	802.11ac (VHT80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2522.81	54.58 PK	68.26	-13.68	-46.28	5.6	-40.68
2	5049.89	38.87 AV	54	-15.13	-61.99	5.6	-56.39
3	11070.13	53.59 PK	74	-20.41	-47.27	5.6	-41.67
4	11054.31	39.79 AV	54	-14.21	-61.07	5.6	-55.47
5	#17022.4	45.99 PK	68.26	-22.27	-54.87	5.6	-49.27
6	18969.5	28.17 AV	54	-25.83	-72.69	5.6	-67.09
7	#23591.1	46.24 PK	68.26	-22.02	-54.62	5.6	-49.02
8	22120	30.75 AV	54	-23.25	-70.11	5.6	-64.51
9	#27650.51	39.86 PK	68.26	-28.4	-61	5.6	-55.4
10	38883.11	29.7 AV	54	-24.3	-71.16	5.6	-65.56

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



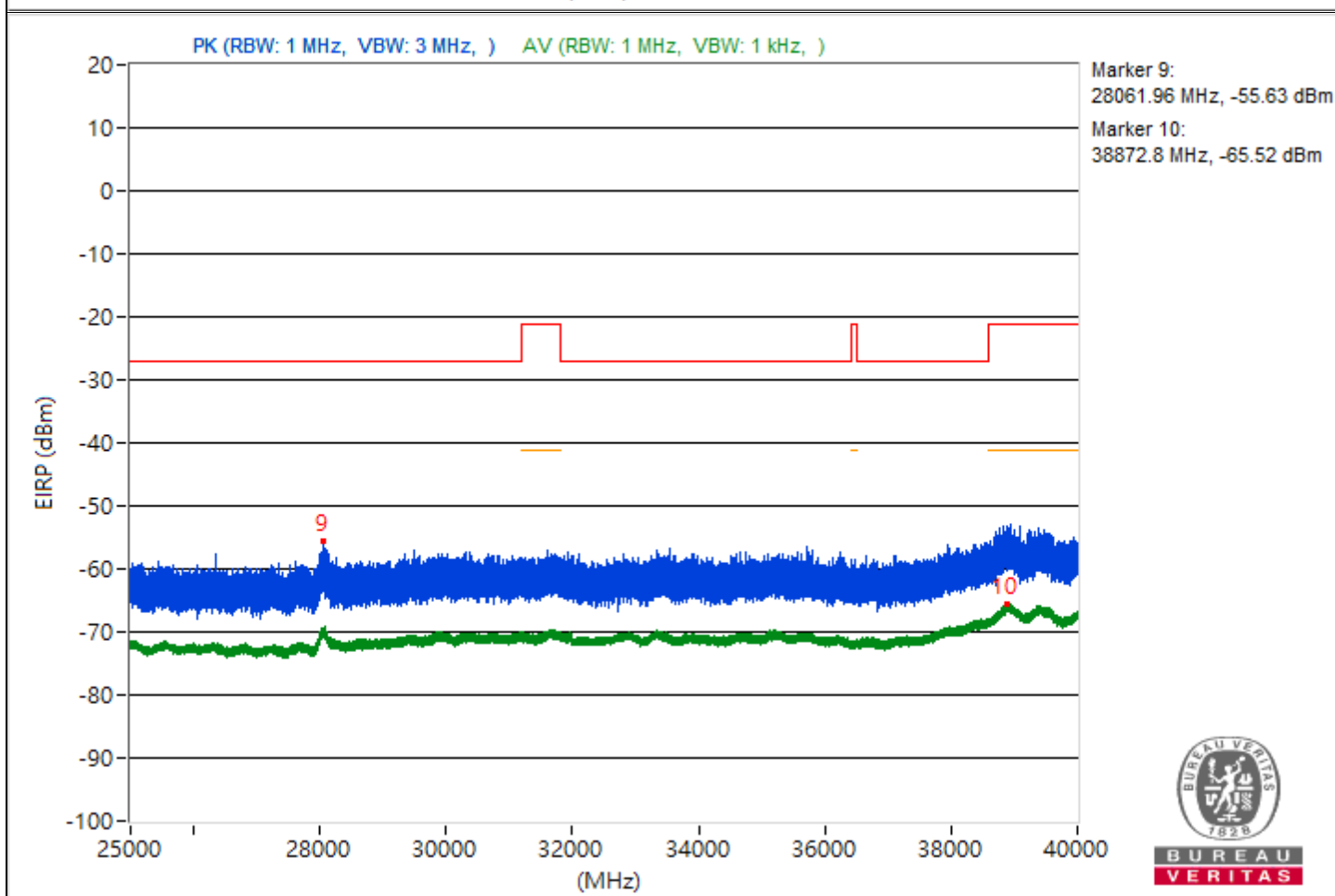
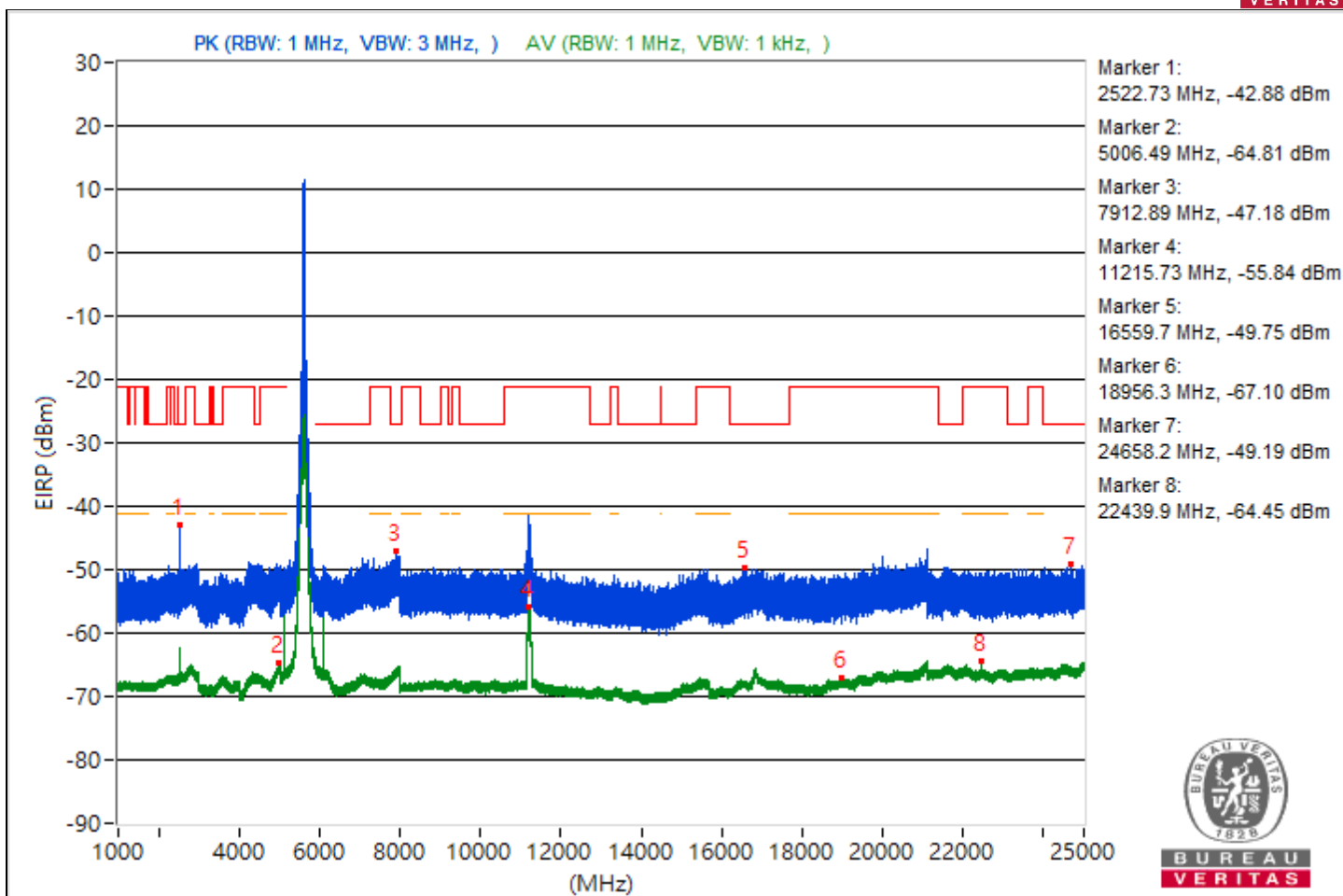
RF Mode	802.11ac (VHT80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2522.73	52.38 PK	68.26	-15.88	-48.48	5.6	-42.88
2	5006.49	30.45 AV	54	-23.55	-70.41	5.6	-64.81
3	#7912.89	48.08 PK	68.26	-20.18	-52.78	5.6	-47.18
4	11215.73	39.42 AV	54	-14.58	-61.44	5.6	-55.84
5	#16559.7	45.51 PK	68.26	-22.75	-55.35	5.6	-49.75
6	18956.3	28.16 AV	54	-25.84	-72.7	5.6	-67.1
7	#24658.2	46.07 PK	68.26	-22.19	-54.79	5.6	-49.19
8	22439.9	30.81 AV	54	-23.19	-70.05	5.6	-64.45
9	#28061.96	39.63 PK	68.26	-28.63	-61.23	5.6	-55.63
10	38872.8	29.74 AV	54	-24.26	-71.12	5.6	-65.52

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

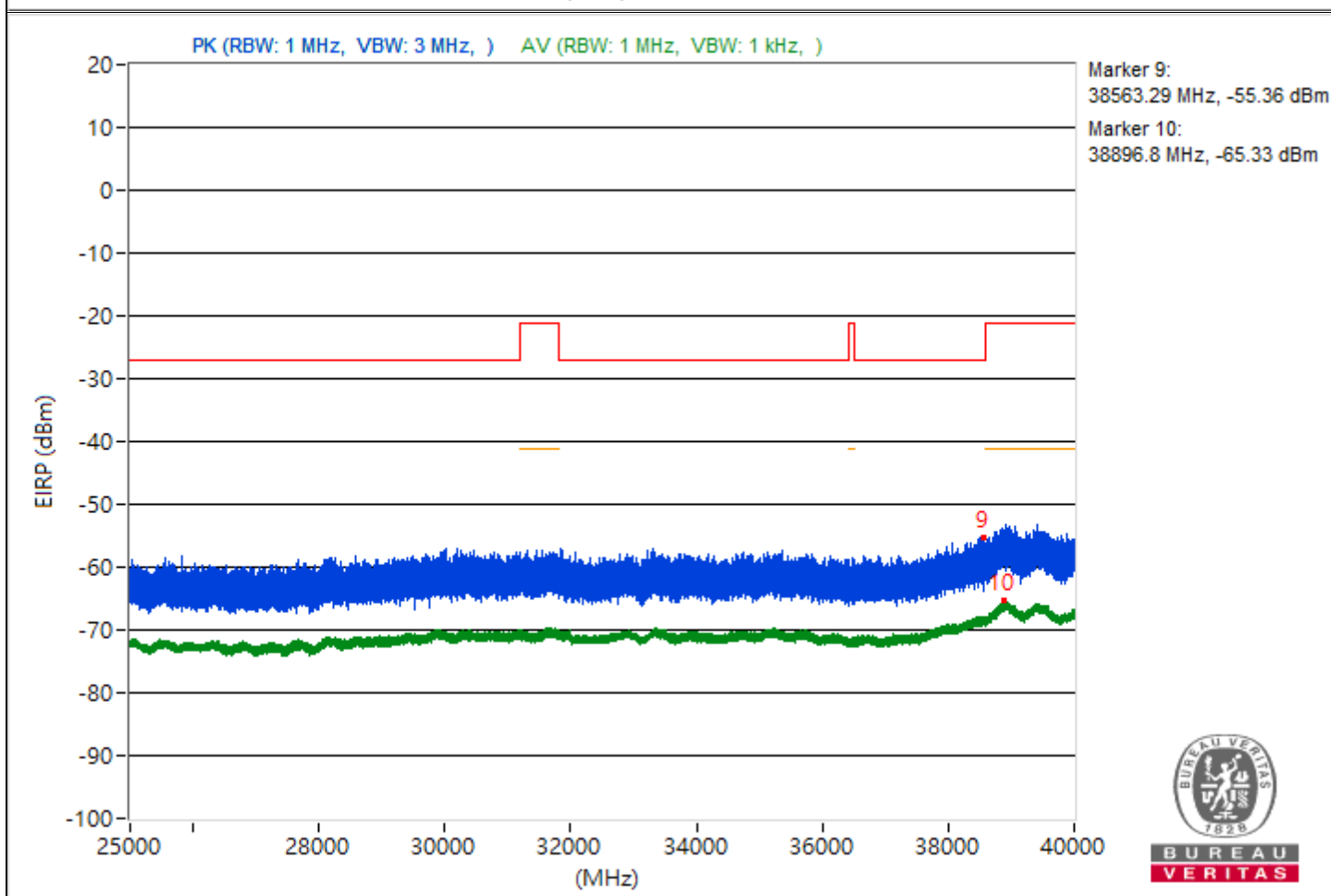
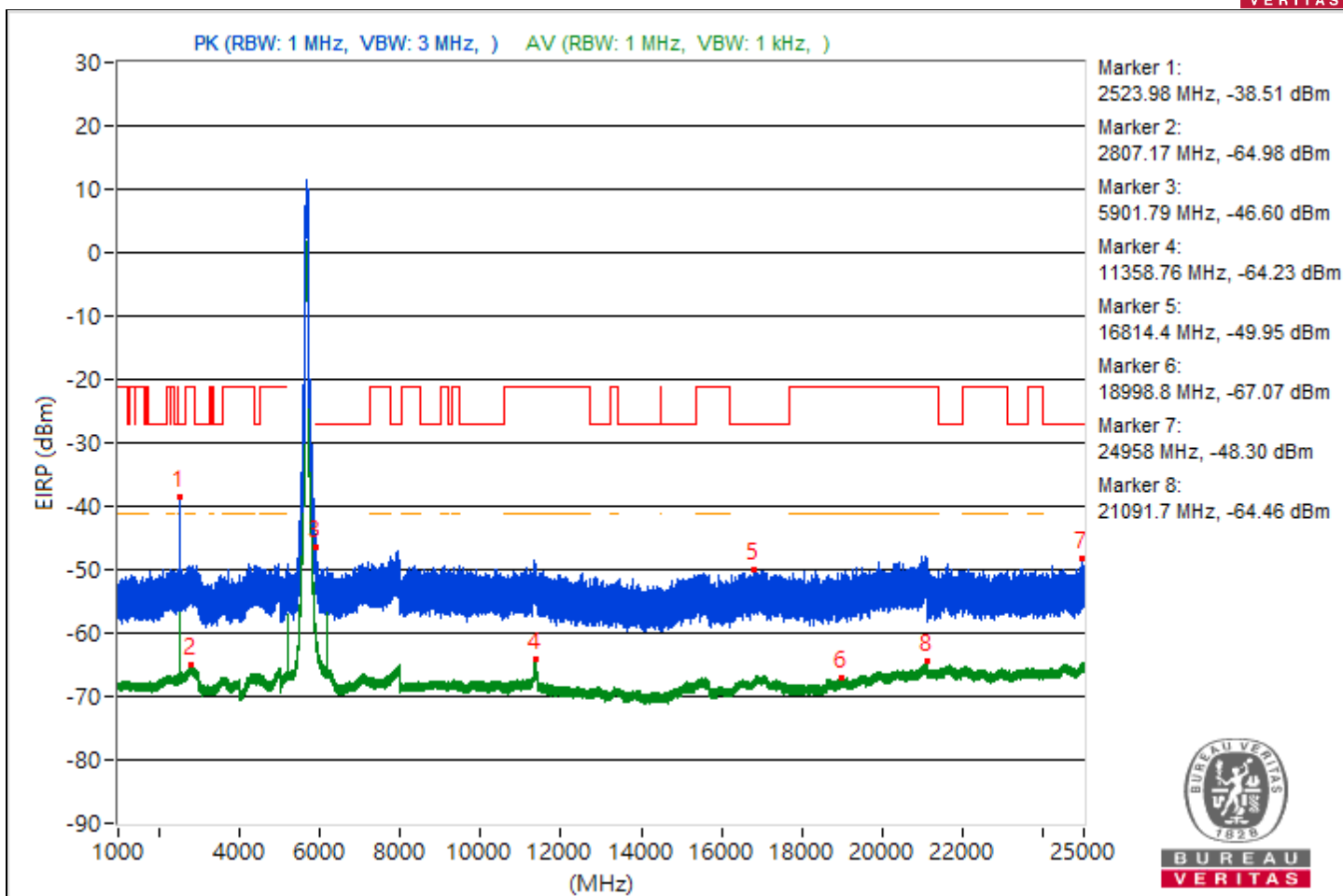


RF Mode	802.11ac (VHT80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2523.98	56.75 PK	68.26	-11.51	-44.11	5.6	-38.51
2	2807.17	30.28 AV	54	-23.72	-70.58	5.6	-64.98
3	#5901.79	48.66 PK	68.26	-19.6	-52.2	5.6	-46.6
4	11358.76	31.03 AV	54	-22.97	-69.83	5.6	-64.23
5	#16814.4	45.31 PK	68.26	-22.95	-55.55	5.6	-49.95
6	18998.8	28.19 AV	54	-25.81	-72.67	5.6	-67.07
7	#24958	46.96 PK	68.26	-21.3	-53.9	5.6	-48.3
8	21091.7	30.8 AV	54	-23.2	-70.06	5.6	-64.46
9	#38563.29	39.9 PK	68.26	-28.36	-60.96	5.6	-55.36
10	38896.8	29.93 AV	54	-24.07	-70.93	5.6	-65.33

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



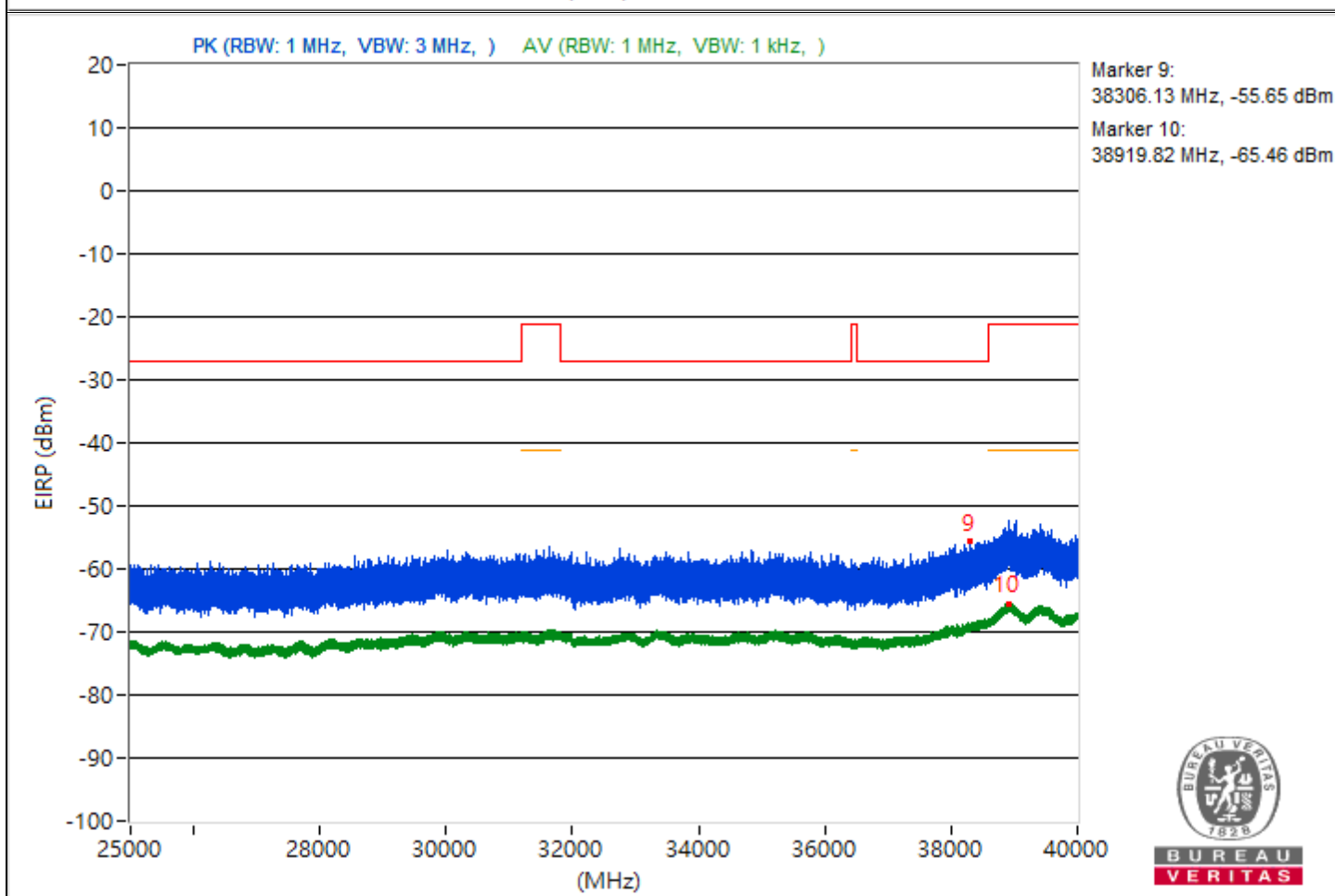
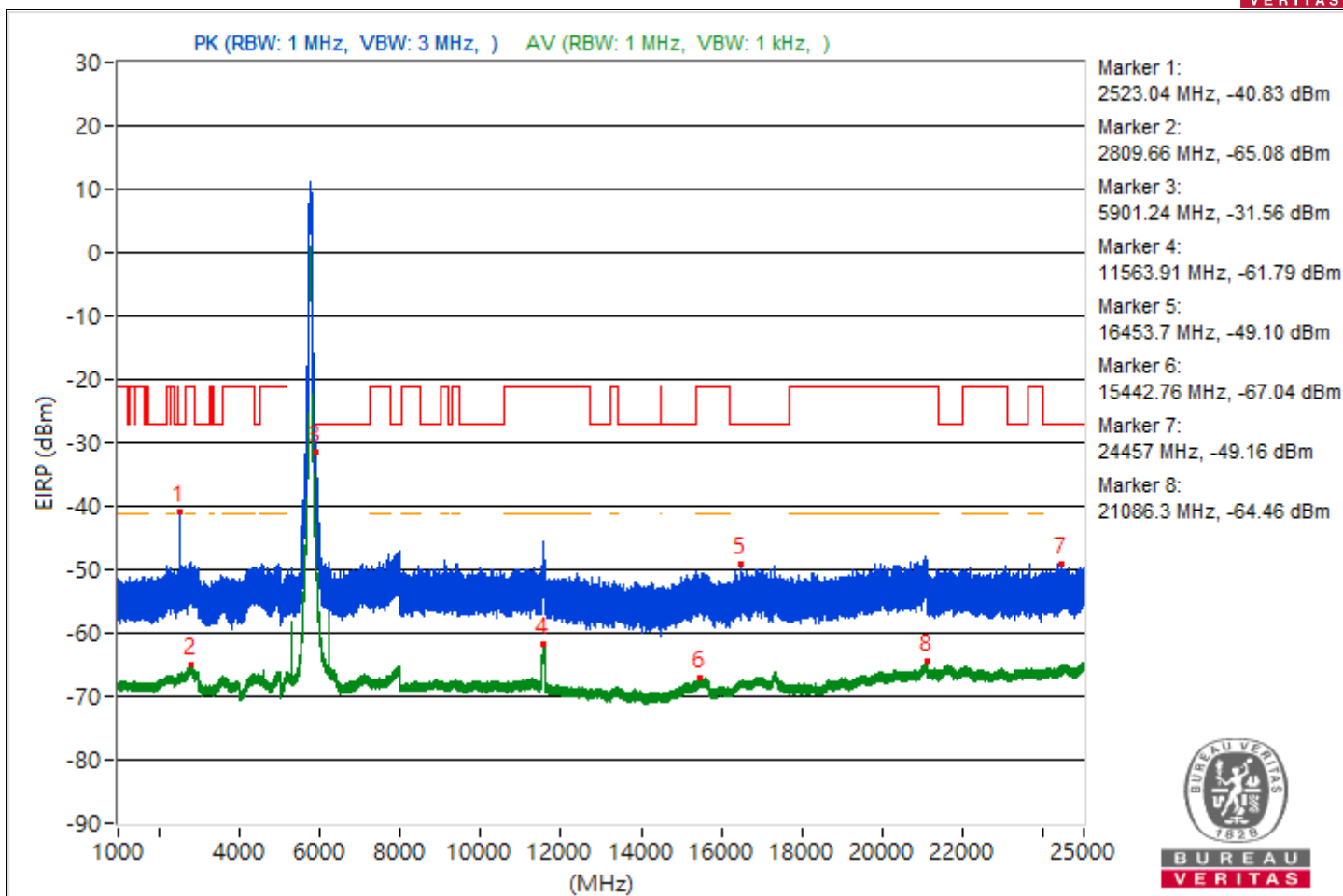
RF Mode	802.11ac (VHT80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2523.04	54.43 PK	68.26	-13.83	-46.43	5.6	-40.83
2	2809.66	30.18 AV	54	-23.82	-70.68	5.6	-65.08
3	#5901.24	63.7 PK	68.26	-4.56	-37.16	5.6	-31.56
4	11563.91	33.47 AV	54	-20.53	-67.39	5.6	-61.79
5	#16453.7	46.16 PK	68.26	-22.1	-54.7	5.6	-49.1
6	15442.76	28.22 AV	54	-25.78	-72.64	5.6	-67.04
7	#24457	46.1 PK	68.26	-22.16	-54.76	5.6	-49.16
8	21086.3	30.8 AV	54	-23.2	-70.06	5.6	-64.46
9	#38306.13	39.61 PK	68.26	-28.65	-61.25	5.6	-55.65
10	38919.82	29.8 AV	54	-24.2	-71.06	5.6	-65.46

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



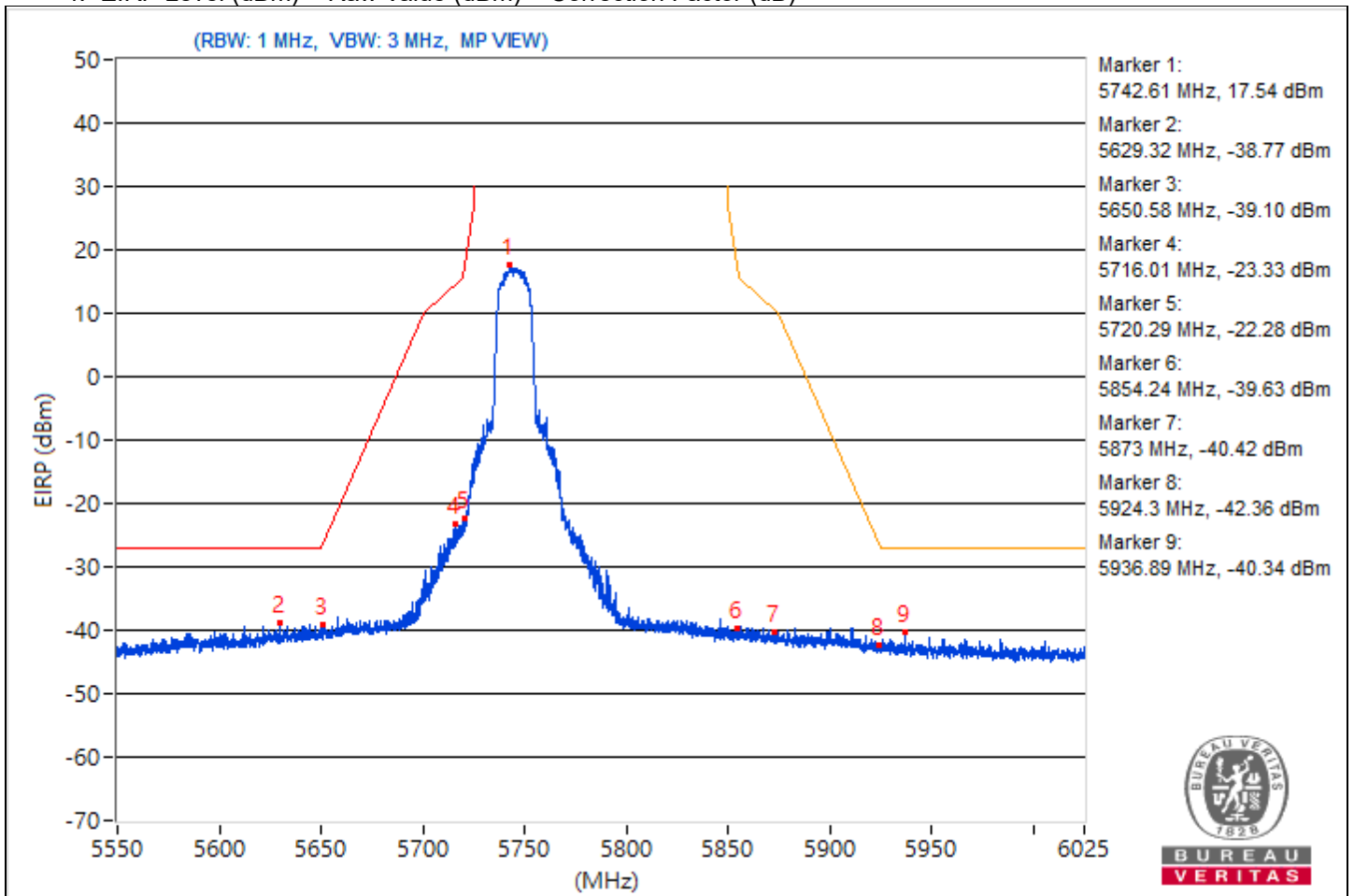
Conducted Band Edges

RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5742.61	112.8	-	-	12.14	5.4	17.54
2	#5629.32	56.49	68.26	-11.77	-44.17	5.4	-38.77
3	#5650.58	56.16	68.69	-12.53	-44.5	5.4	-39.1
4	#5716.01	71.93	109.74	-37.81	-28.73	5.4	-23.33
5	#5720.29	72.98	111.52	-38.54	-27.68	5.4	-22.28
6	#5854.24	55.63	112.6	-56.97	-45.03	5.4	-39.63
7	#5873	54.84	105.82	-50.98	-45.82	5.4	-40.42
8	#5924.3	52.9	68.78	-15.88	-47.76	5.4	-42.36
9	#5936.89	54.92	68.26	-13.34	-45.74	5.4	-40.34

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

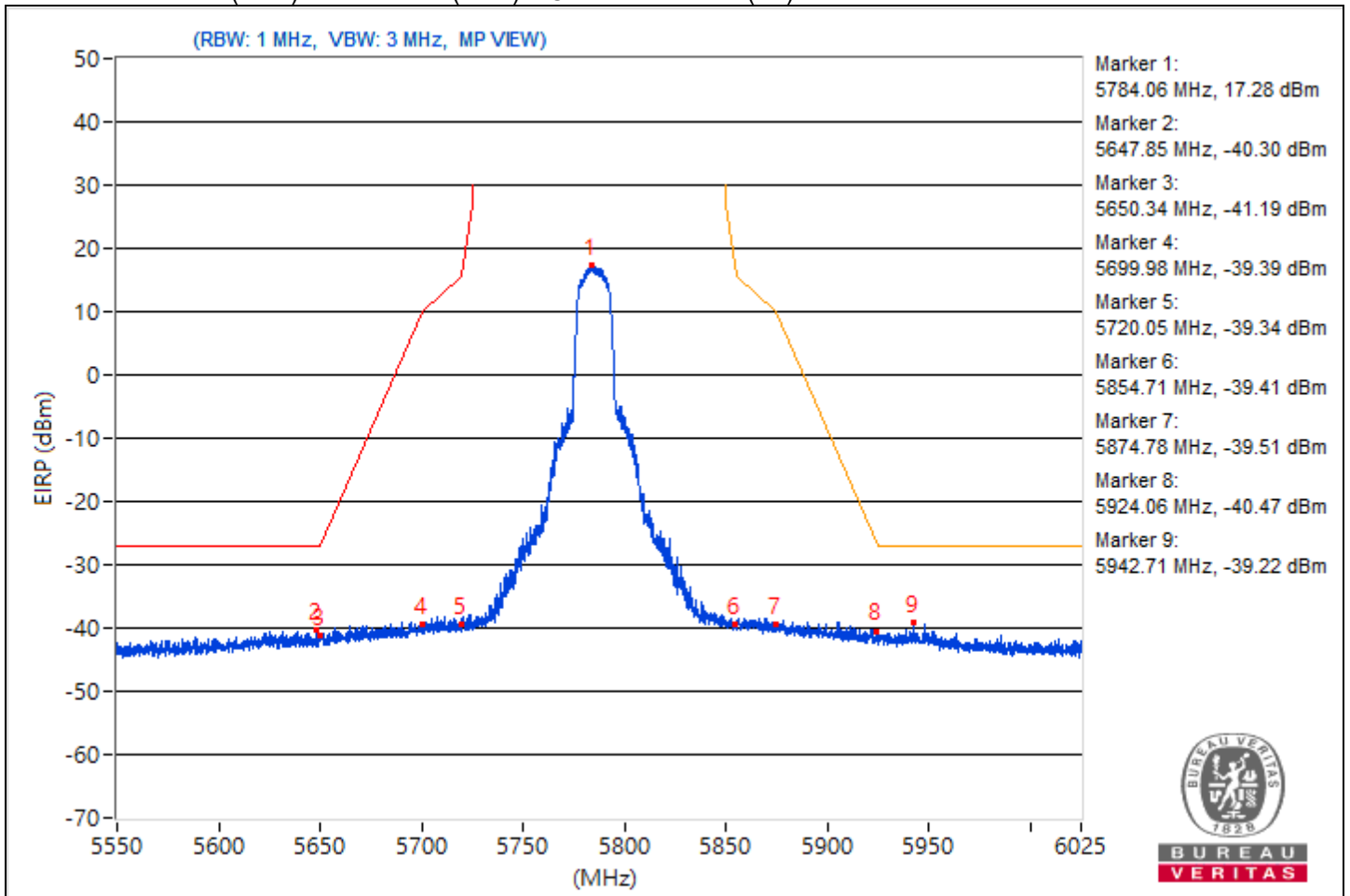


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5784.06	112.54	-	-	11.88	5.4	17.28
2	#5647.85	54.96	68.26	-13.3	-45.7	5.4	-40.3
3	#5650.34	54.07	68.51	-14.44	-46.59	5.4	-41.19
4	#5699.98	55.87	105.25	-49.38	-44.79	5.4	-39.39
5	#5720.05	55.92	110.97	-55.05	-44.74	5.4	-39.34
6	#5854.71	55.85	111.52	-55.67	-44.81	5.4	-39.41
7	#5874.78	55.75	105.32	-49.57	-44.91	5.4	-39.51
8	#5924.06	54.79	68.95	-14.16	-45.87	5.4	-40.47
9	#5942.71	56.04	68.26	-12.22	-44.62	5.4	-39.22

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

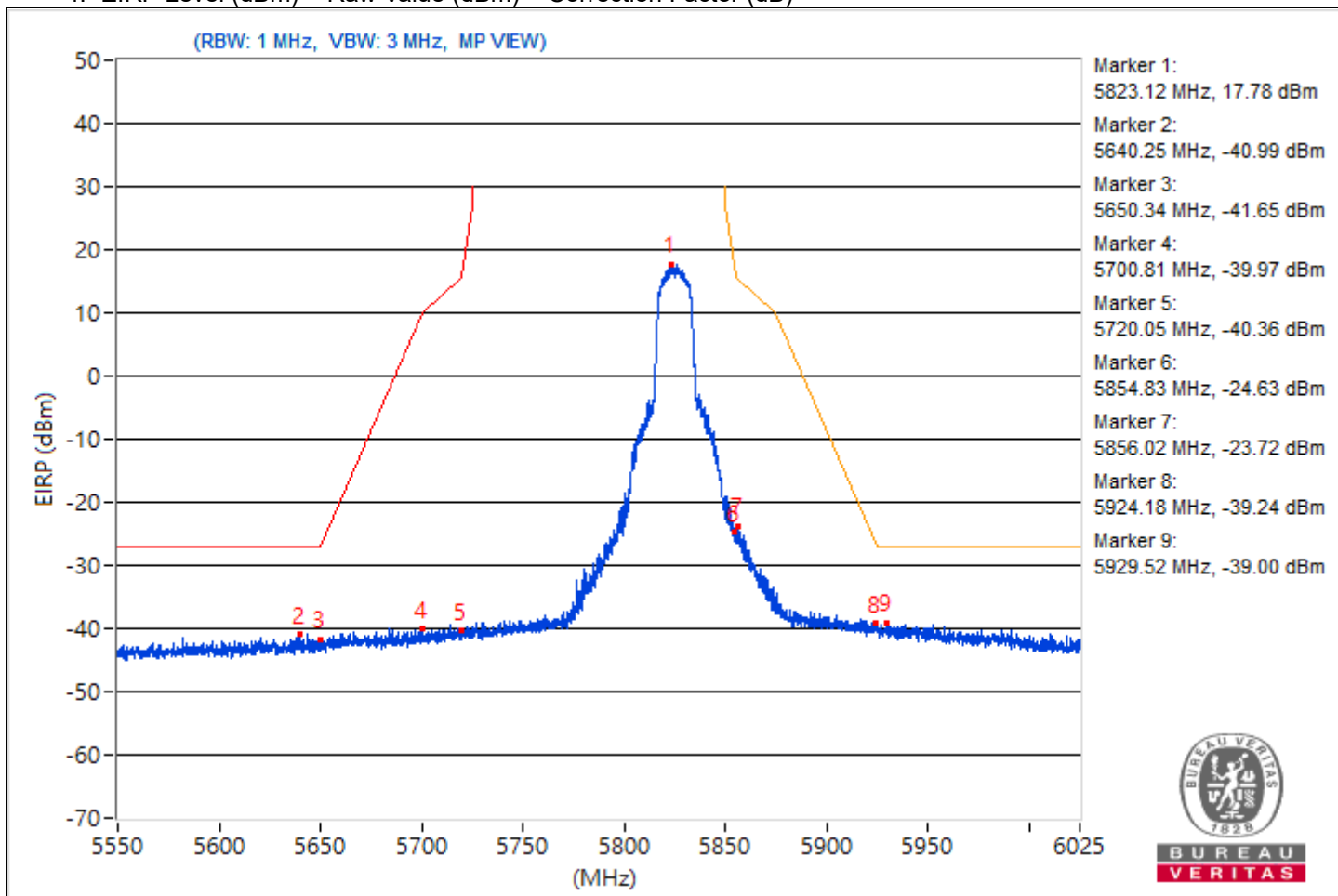


RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5823.12	113.04	-	-	12.38	5.4	17.78
2	#5640.25	54.27	68.26	-13.99	-46.39	5.4	-40.99
3	#5650.34	53.61	68.51	-14.9	-47.05	5.4	-41.65
4	#5700.81	55.29	105.49	-50.2	-45.37	5.4	-39.97
5	#5720.05	54.9	110.97	-56.07	-45.76	5.4	-40.36
6	#5854.83	70.63	111.24	-40.61	-30.03	5.4	-24.63
7	#5856.02	71.54	110.57	-39.03	-29.12	5.4	-23.72
8	#5924.18	56.02	68.87	-12.85	-44.64	5.4	-39.24
9	#5929.52	56.26	68.26	-12	-44.4	5.4	-39

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

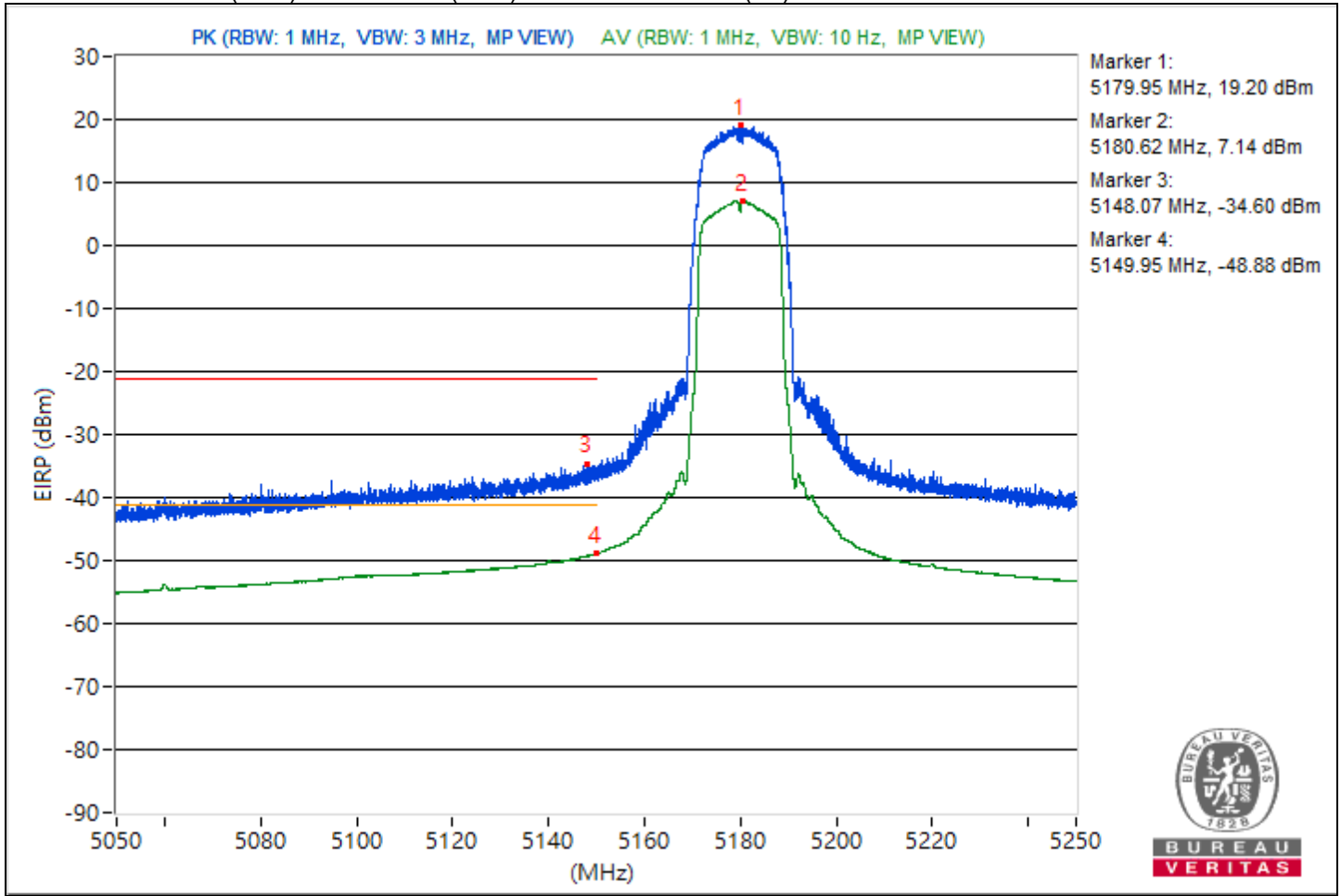


RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5179.95	114.46 PK	-	-	13.8	5.4	19.2
2	*5180.62	102.4 AV	-	-	1.74	5.4	7.14
3	5148.07	60.66 PK	74	-13.34	-40	5.4	-34.6
4	5149.95	46.38 AV	54	-7.62	-54.28	5.4	-48.88

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

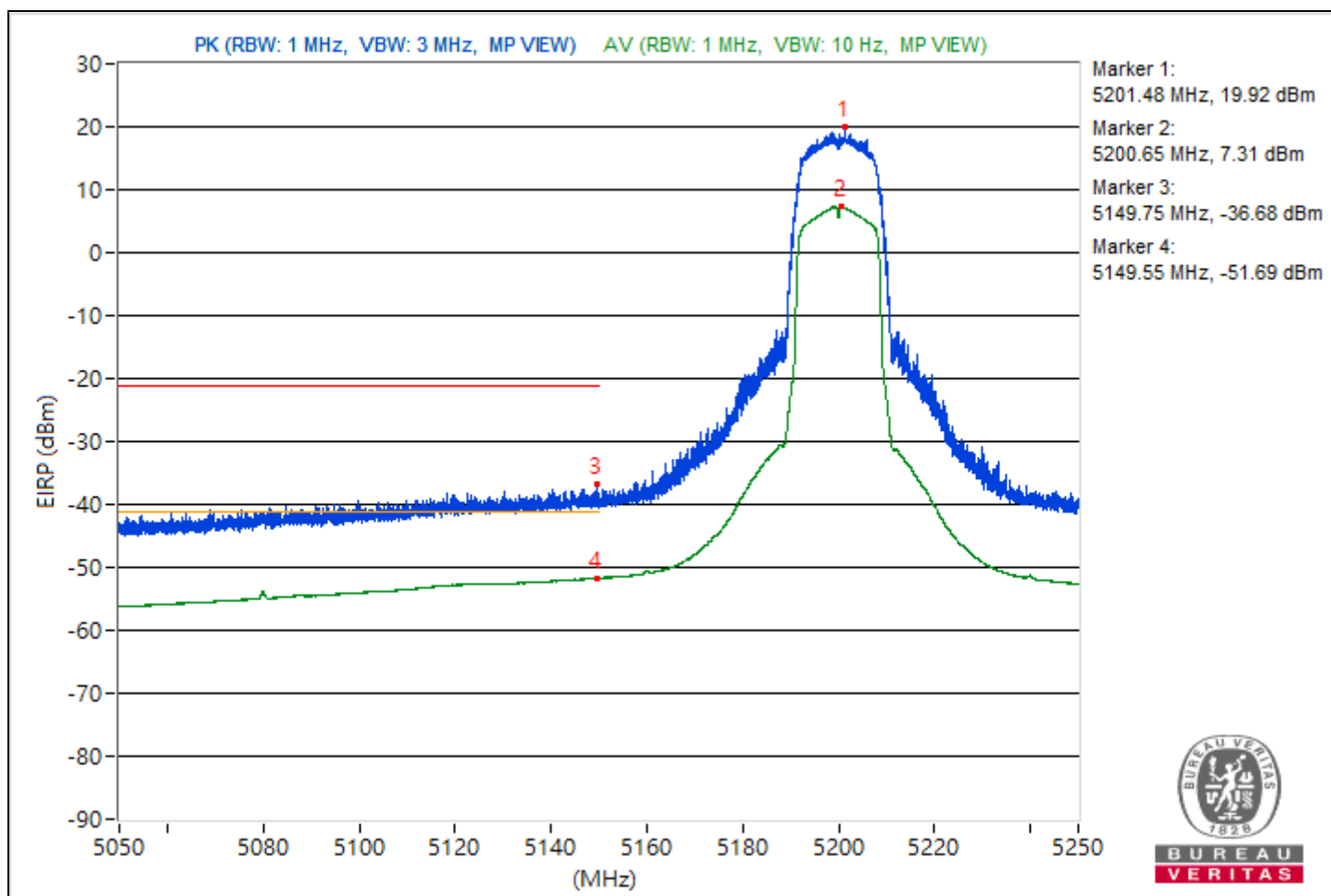


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5201.48	115.18 PK	-	-	14.52	5.4	19.92
2	*5200.65	102.57 AV	-	-	1.91	5.4	7.31
3	5149.75	58.58 PK	74	-15.42	-42.08	5.4	-36.68
4	5149.55	43.57 AV	54	-10.43	-57.09	5.4	-51.69

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

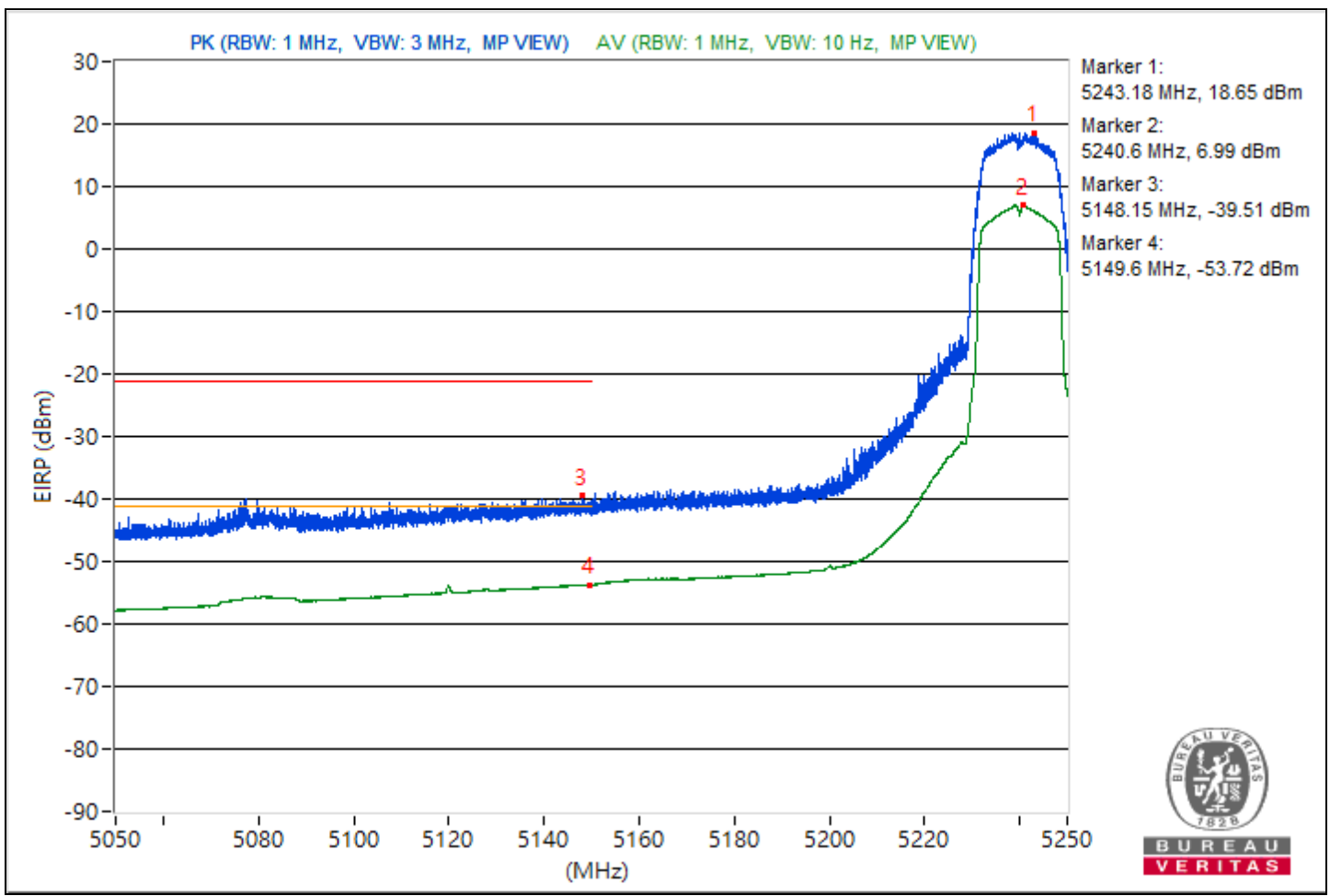


RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5243.18	113.91 PK	-	-	13.25	5.4	18.65
2	*5240.6	102.25 AV	-	-	1.59	5.4	6.99
3	5148.15	55.75 PK	74	-18.25	-44.91	5.4	-39.51
4	5149.6	41.54 AV	54	-12.46	-59.12	5.4	-53.72

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

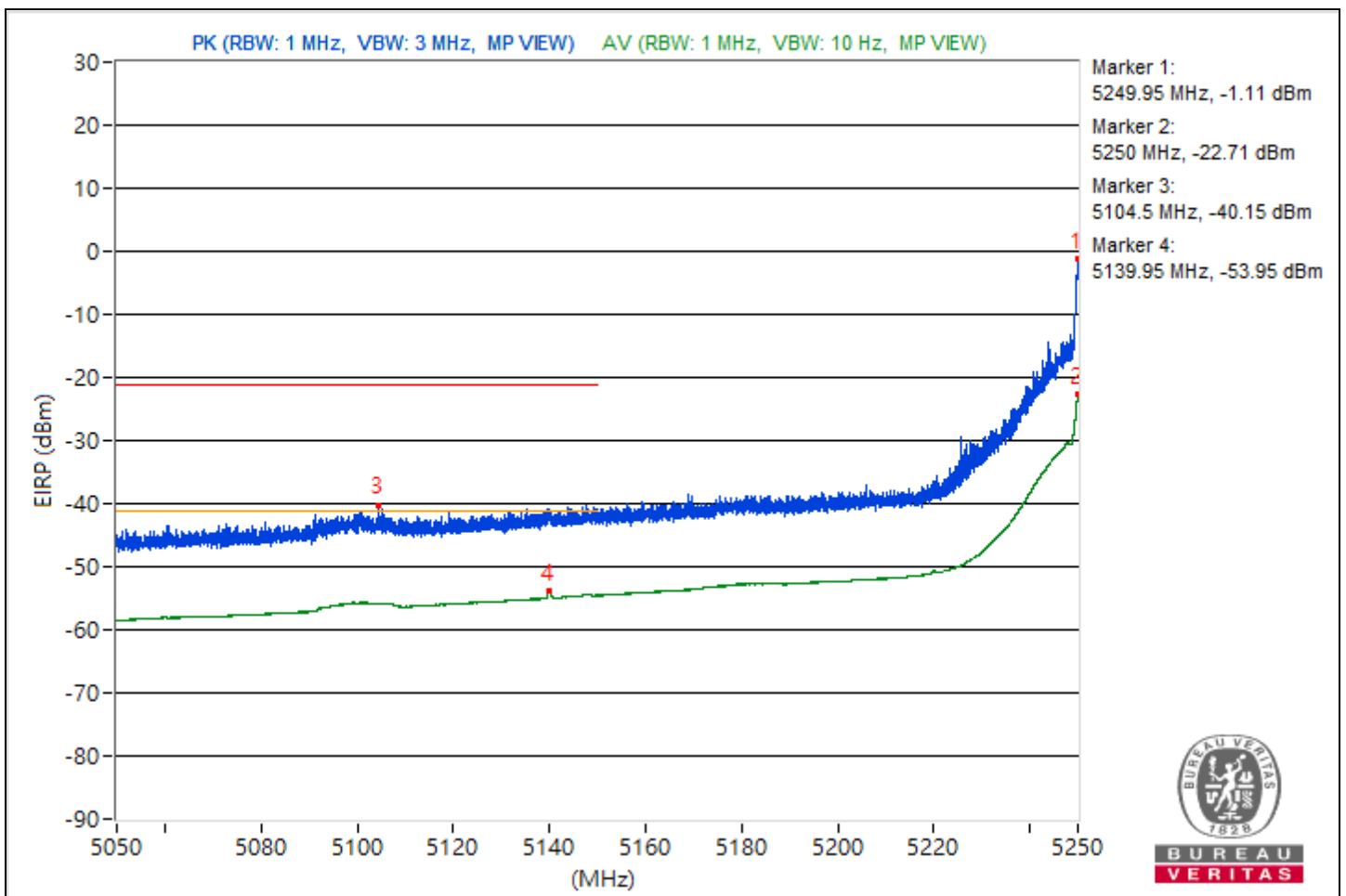


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5249.95	94.15 PK	-	-	-6.61	5.5	-1.11
2	#5250	72.55 AV	-	-	-28.21	5.5	-22.71
3	5104.5	55.11 PK	74	-18.89	-45.65	5.5	-40.15
4	5139.95	41.31 AV	54	-12.69	-59.45	5.5	-53.95

Notes:

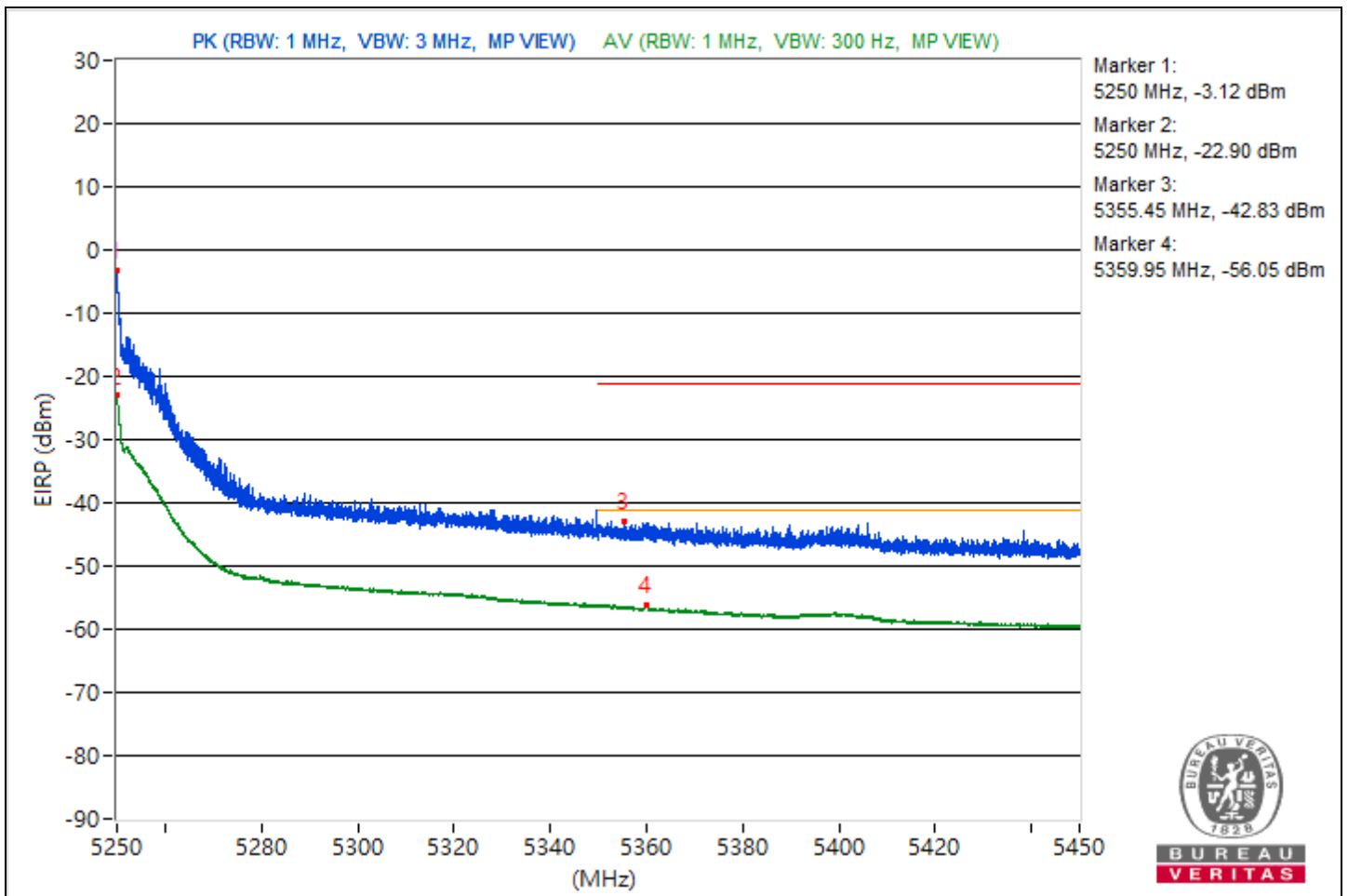
1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band, the limit was restricted at the Conducted Out of Band Emissions.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5250	92.14 PK	-	-	-8.52	5.4	-3.12
2	#5250	72.36 AV	-	-	-28.3	5.4	-22.9
3	5355.45	52.43 PK	74	-21.57	-48.23	5.4	-42.83
4	5359.95	39.21 AV	54	-14.79	-61.45	5.4	-56.05

- Notes:
1. Margin value = Emission Level - Limit value
 2. " # ": The radiated frequency is out of the restricted band, the limit was restricted at the Conducted Out of Band Emissions.
 3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

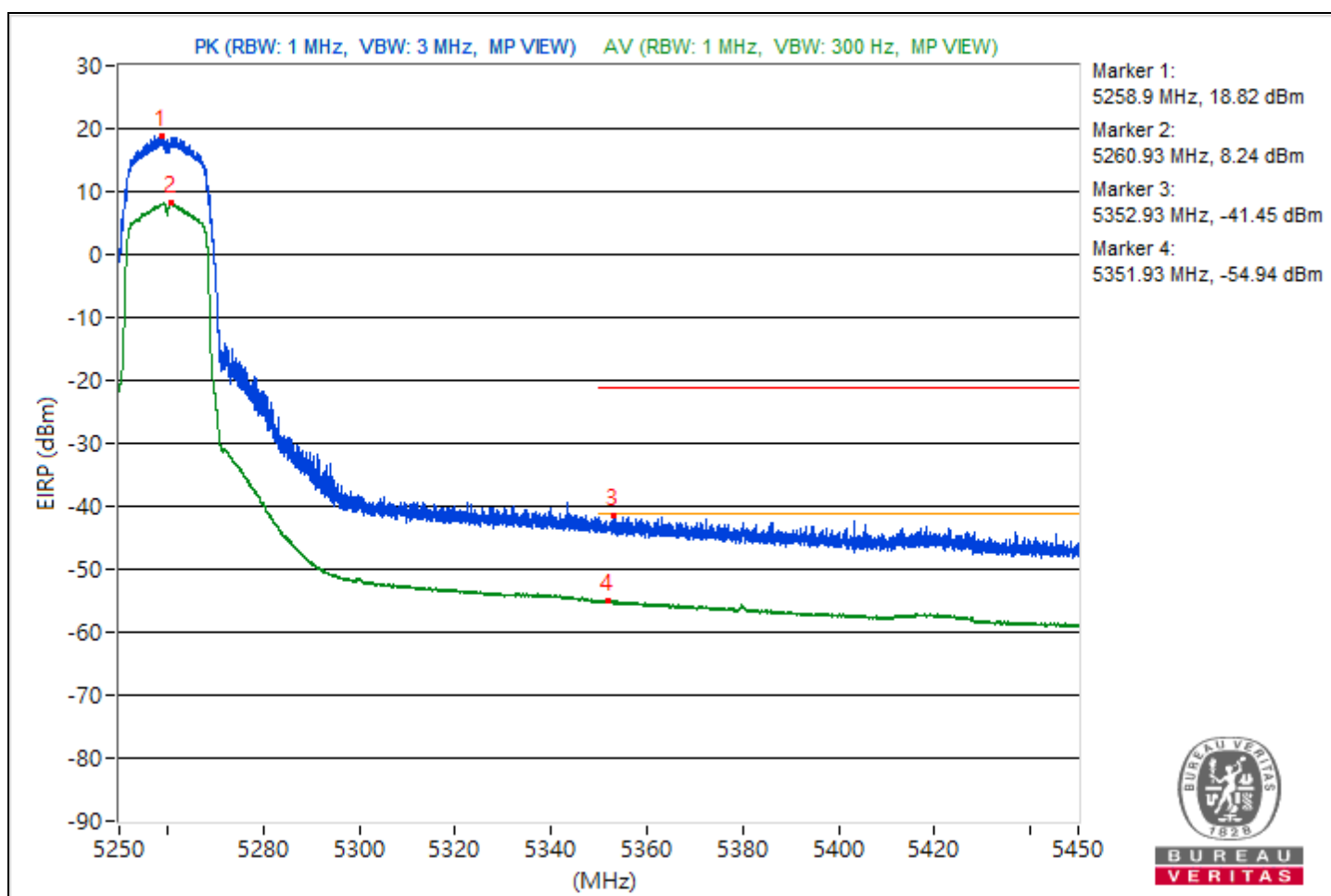


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5258.9	114.08 PK	-	-	13.32	5.5	18.82
2	*5260.93	103.5 AV	-	-	2.74	5.5	8.24
3	5352.93	53.81 PK	74	-20.19	-46.95	5.5	-41.45
4	5351.93	40.32 AV	54	-13.68	-60.44	5.5	-54.94

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

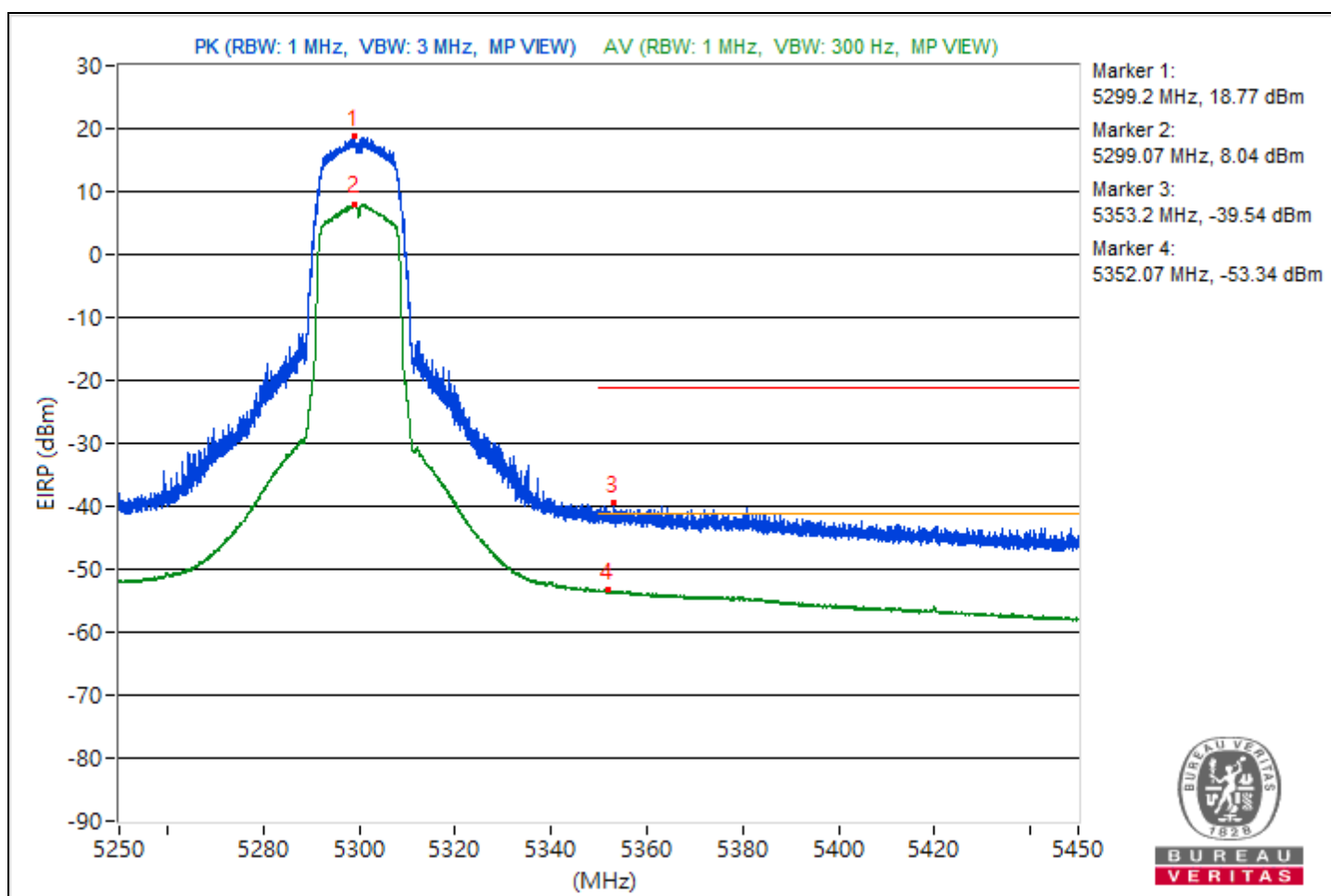


RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5299.2	114.03 PK	-	-	13.27	5.5	18.77
2	*5299.07	103.3 AV	-	-	2.54	5.5	8.04
3	5353.2	55.72 PK	74	-18.28	-45.04	5.5	-39.54
4	5352.07	41.92 AV	54	-12.08	-58.84	5.5	-53.34

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

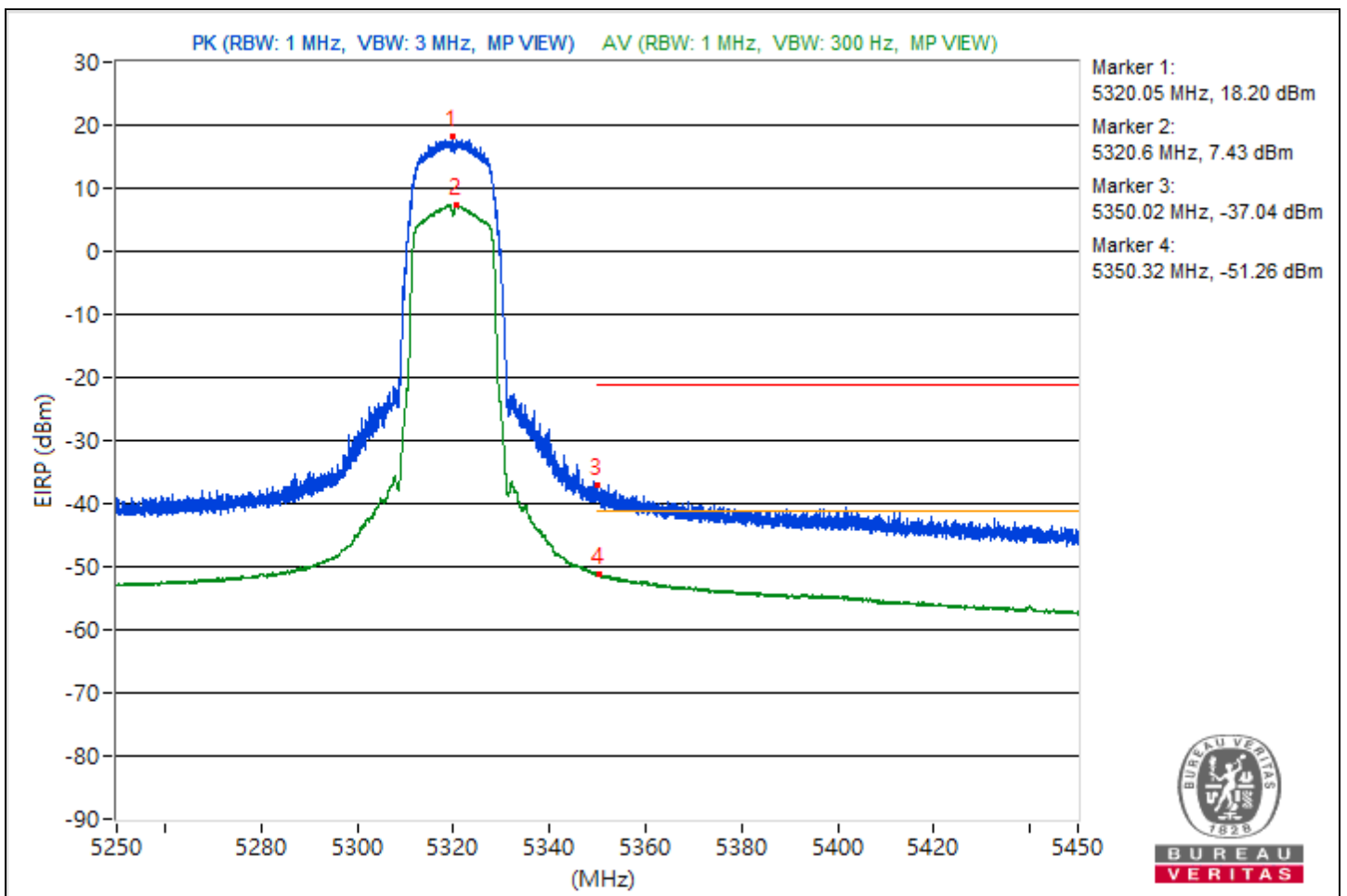


RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5320.05	113.46 PK	-	-	12.7	5.5	18.2
2	*5320.6	102.69 AV	-	-	1.93	5.5	7.43
3	5350.02	58.22 PK	74	-15.78	-42.54	5.5	-37.04
4	5350.32	44 AV	54	-10	-56.76	5.5	-51.26

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

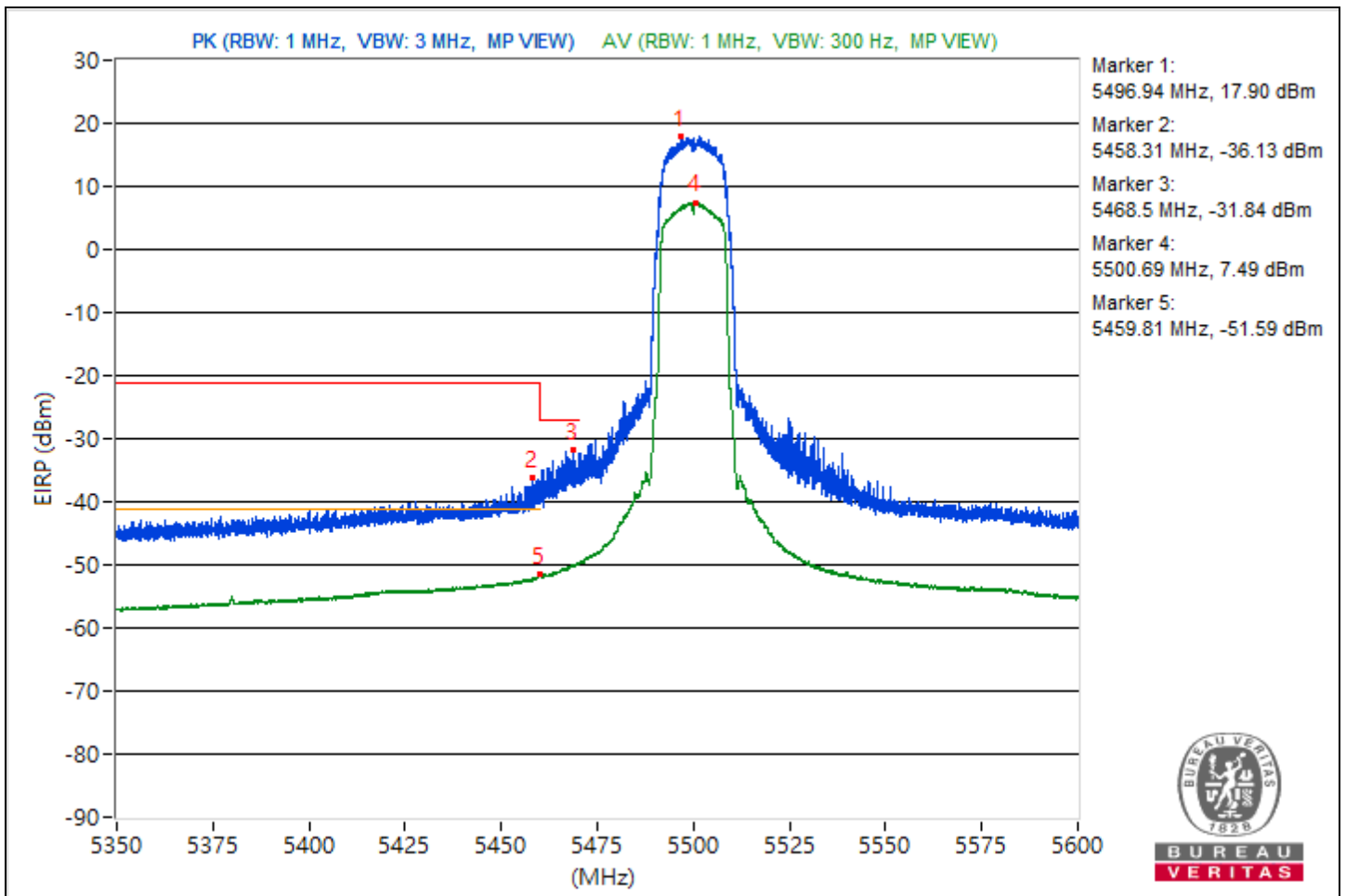


RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5496.94	113.16 PK	-	-	12.3	5.6	17.9
2	5458.31	59.13 PK	74	-14.87	-41.73	5.6	-36.13
3	#5468.5	63.42 PK	68.26	-4.84	-37.44	5.6	-31.84
4	*5500.69	102.75 AV	-	-	1.89	5.6	7.49
5	5459.81	43.67 AV	54	-10.33	-57.19	5.6	-51.59

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

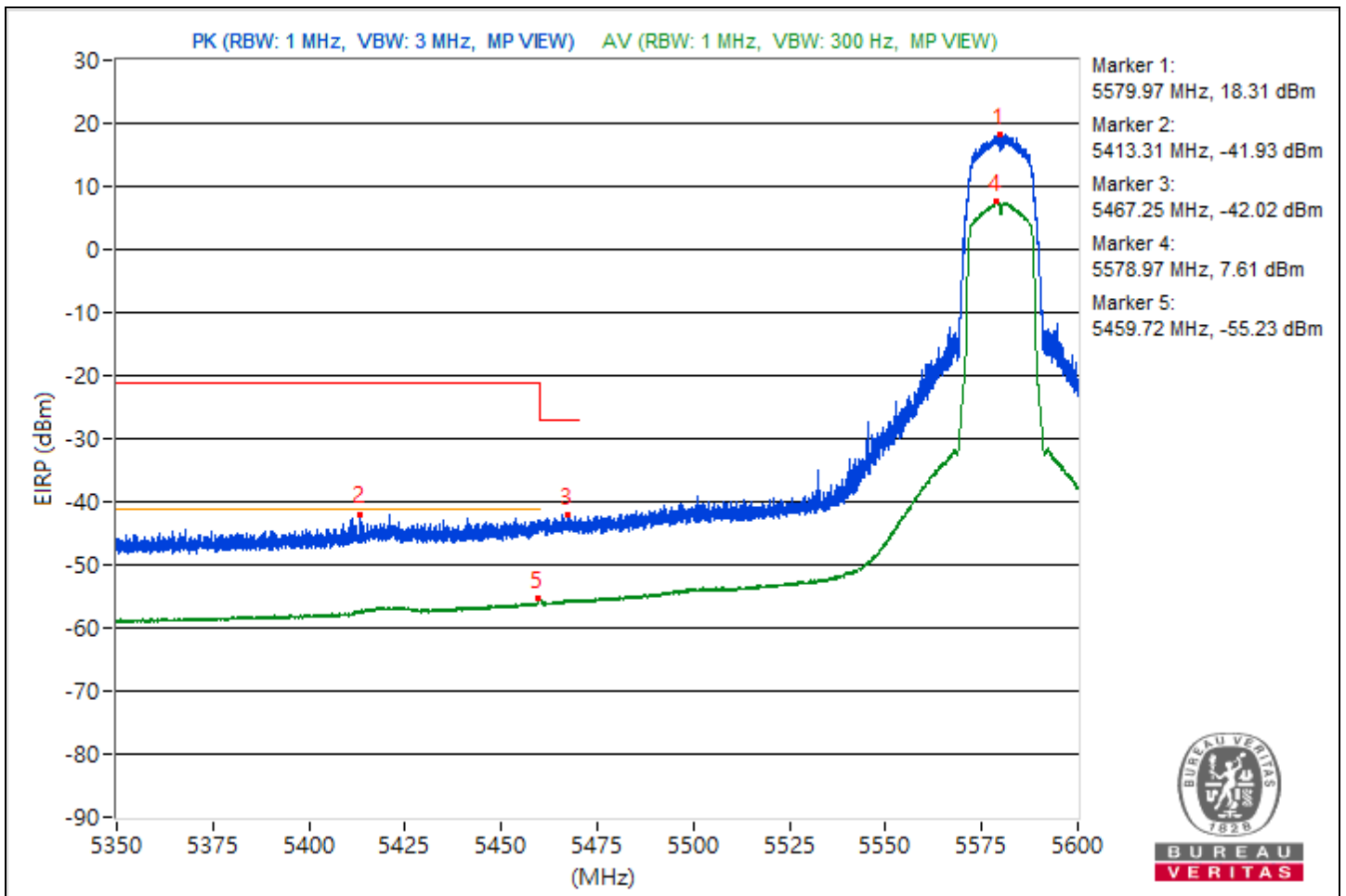


RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5579.97	113.57 PK	-	-	12.71	5.6	18.31
2	5413.31	53.33 PK	74	-20.67	-47.53	5.6	-41.93
3	#5467.25	53.24 PK	68.26	-15.02	-47.62	5.6	-42.02
4	*5578.97	102.87 AV	-	-	2.01	5.6	7.61
5	5459.72	40.03 AV	54	-13.97	-60.83	5.6	-55.23

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

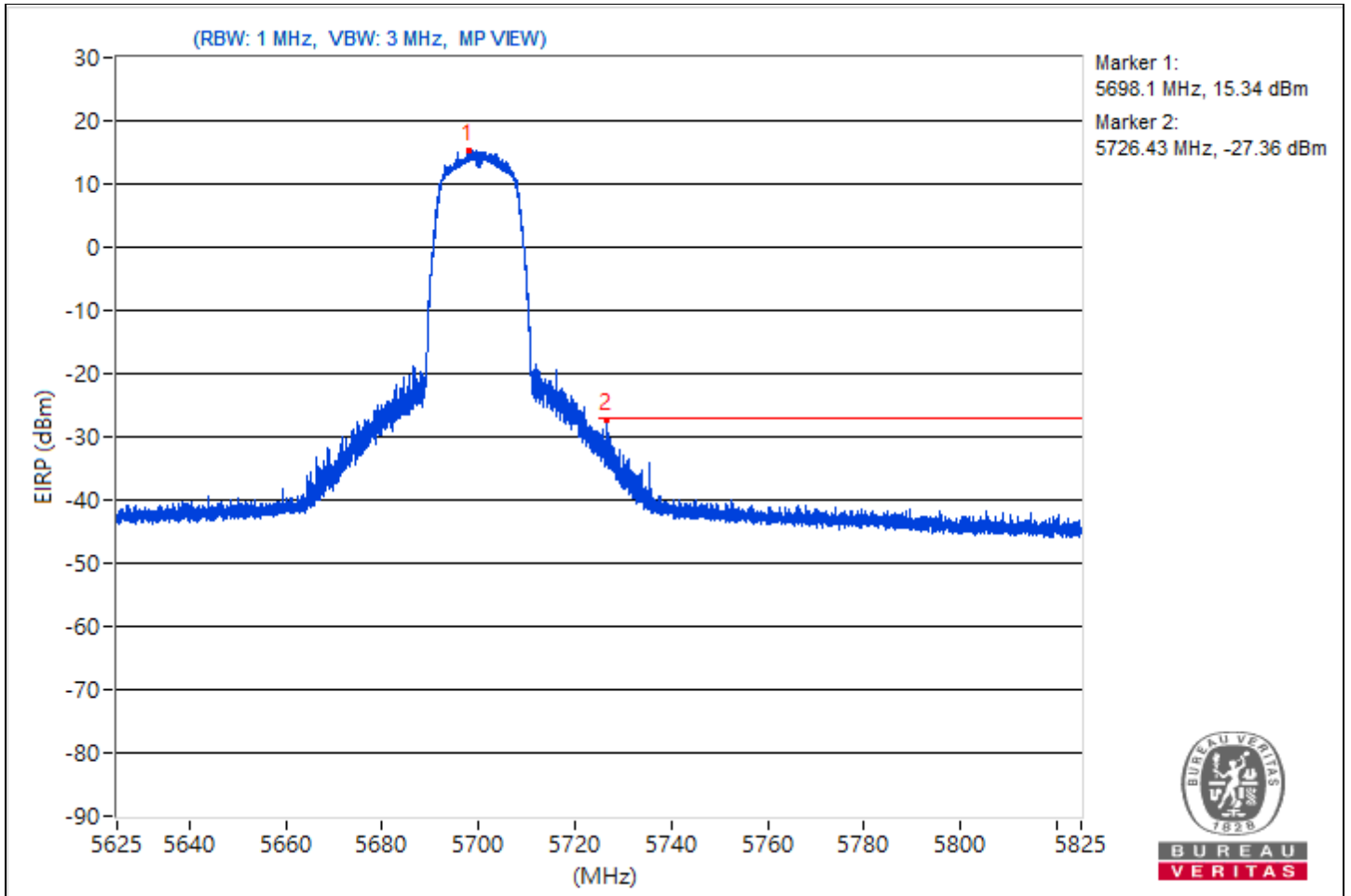


RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	5.625 GHz ~ 5.825 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5698.1	110.6	-	-	9.74	5.6	15.34
2	#5726.43	67.9	68.26	-0.36	-32.96	5.6	-27.36

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

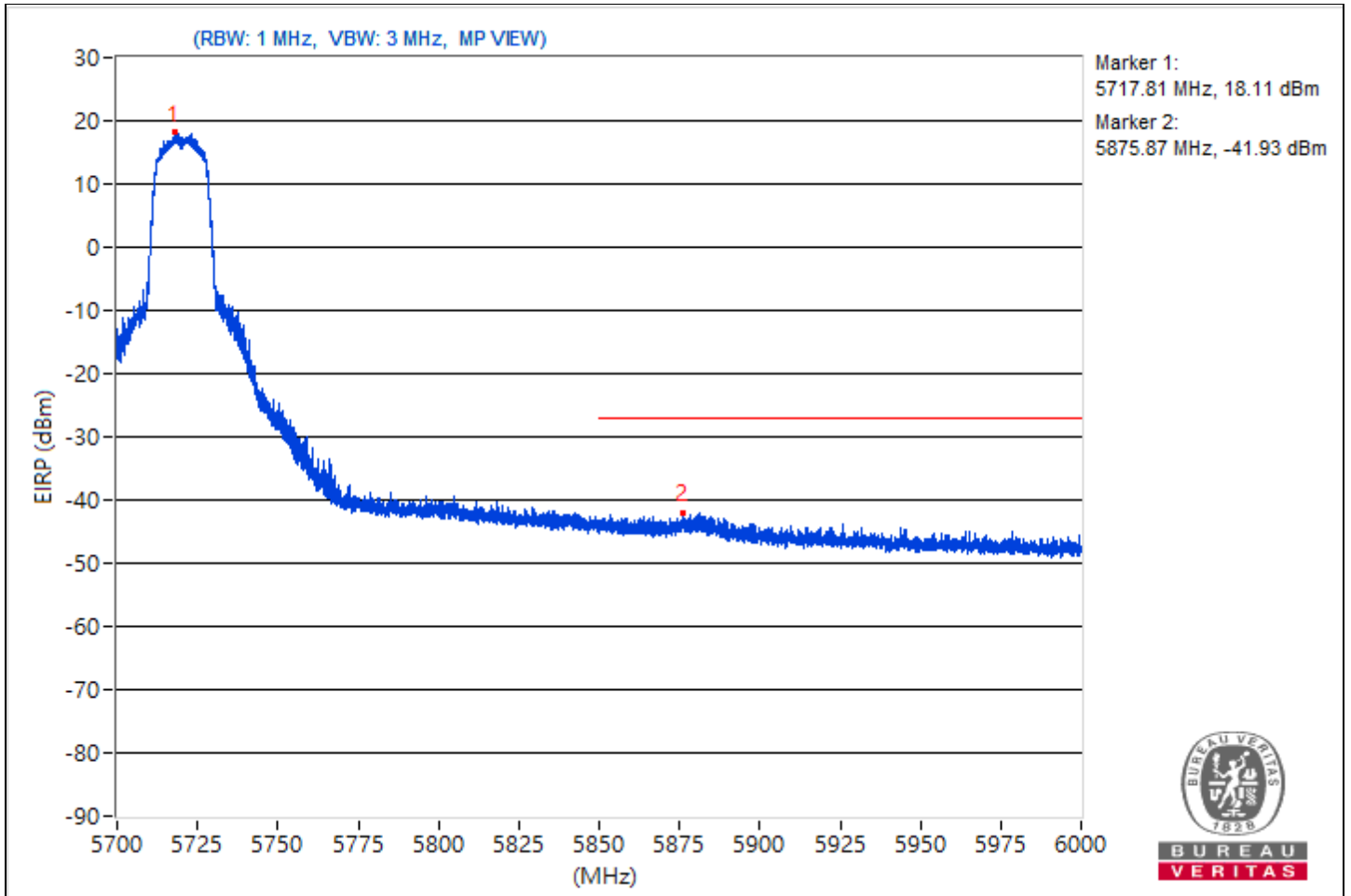


RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	5.7 GHz ~ 6 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5717.81	113.37	-	-	12.51	5.6	18.11
2	#5875.87	53.33	68.26	-14.93	-47.53	5.6	-41.93

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

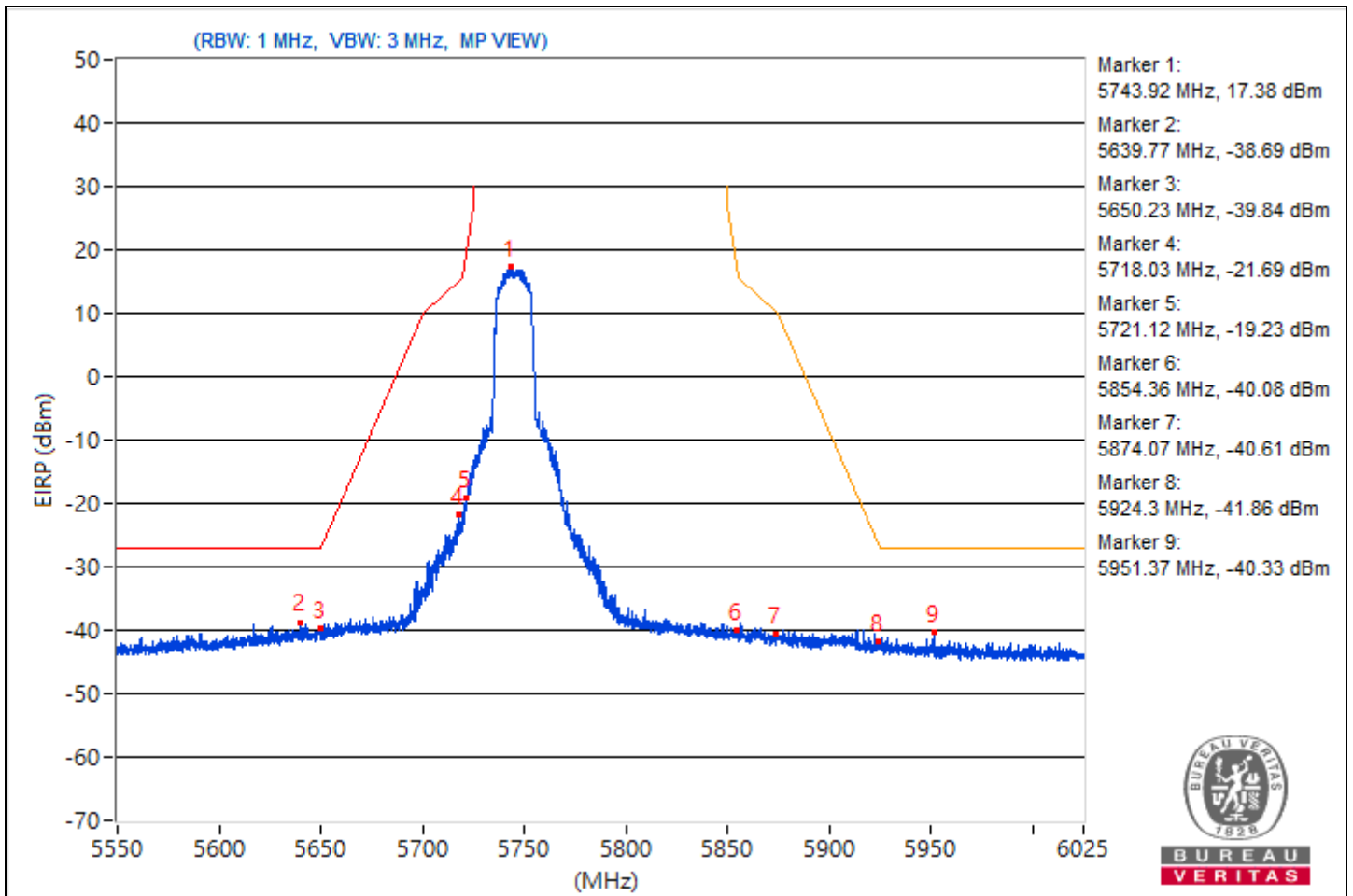


RF Mode	802.11ac (VHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5743.92	112.64	-	-	11.98	5.4	17.38
2	#5639.77	56.57	68.26	-11.69	-44.09	5.4	-38.69
3	#5650.23	55.42	68.43	-13.01	-45.24	5.4	-39.84
4	#5718.03	73.57	110.31	-36.74	-27.09	5.4	-21.69
5	#5721.12	76.03	113.41	-37.38	-24.63	5.4	-19.23
6	#5854.36	55.18	112.33	-57.15	-45.48	5.4	-40.08
7	#5874.07	54.65	105.52	-50.87	-46.01	5.4	-40.61
8	#5924.3	53.4	68.78	-15.38	-47.26	5.4	-41.86
9	#5951.37	54.93	68.26	-13.33	-45.73	5.4	-40.33

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

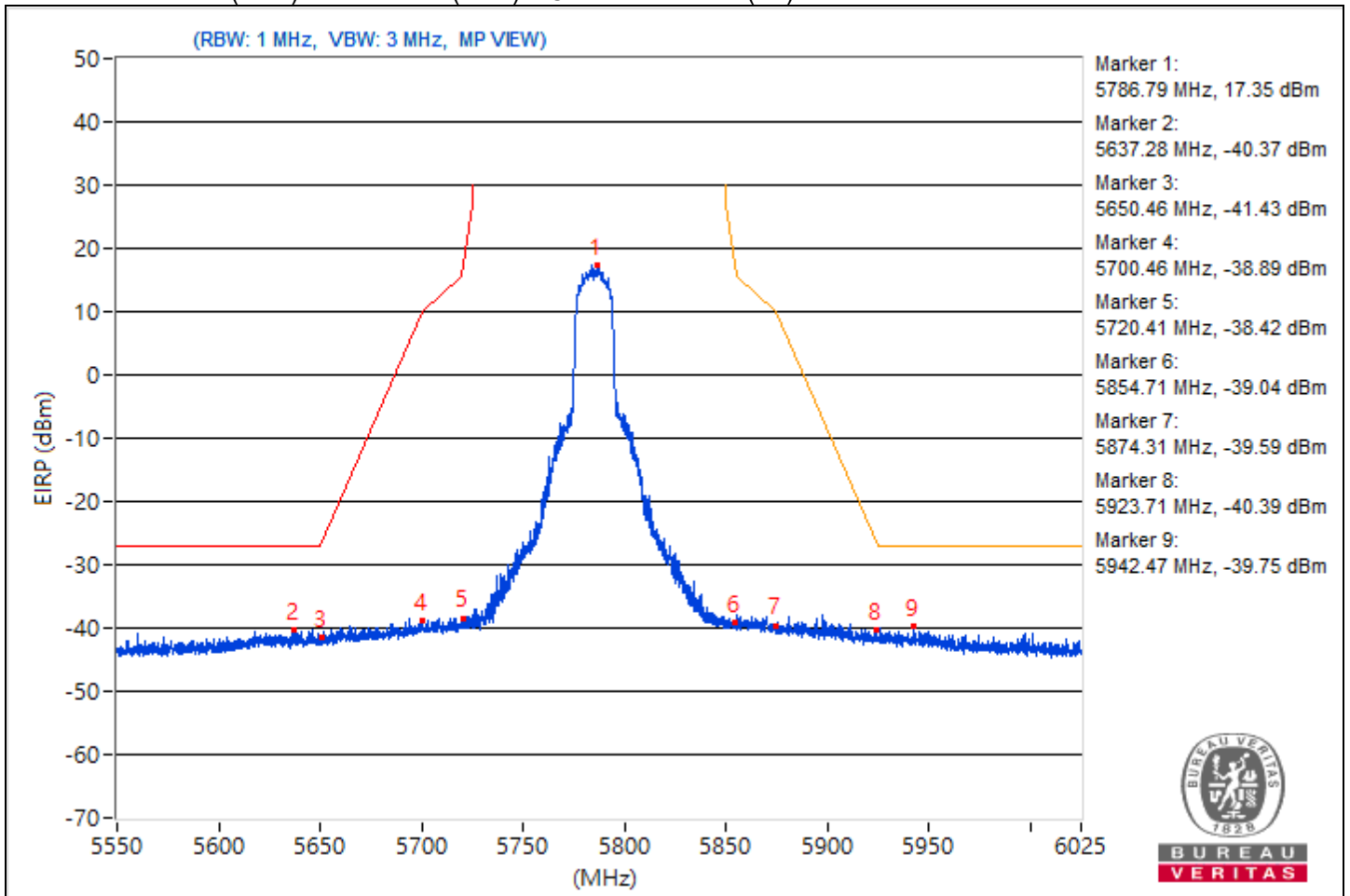


RF Mode	802.11ac (VHT20)	Channel	CH 157 : 5785 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5786.79	112.61	-	-	11.95	5.4	17.35
2	#5637.28	54.89	68.26	-13.37	-45.77	5.4	-40.37
3	#5650.46	53.83	68.6	-14.77	-46.83	5.4	-41.43
4	#5700.46	56.37	105.39	-49.02	-44.29	5.4	-38.89
5	#5720.41	56.84	111.79	-54.95	-43.82	5.4	-38.42
6	#5854.71	56.22	111.52	-55.3	-44.44	5.4	-39.04
7	#5874.31	55.67	105.45	-49.78	-44.99	5.4	-39.59
8	#5923.71	54.87	69.22	-14.35	-45.79	5.4	-40.39
9	#5942.47	55.51	68.26	-12.75	-45.15	5.4	-39.75

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

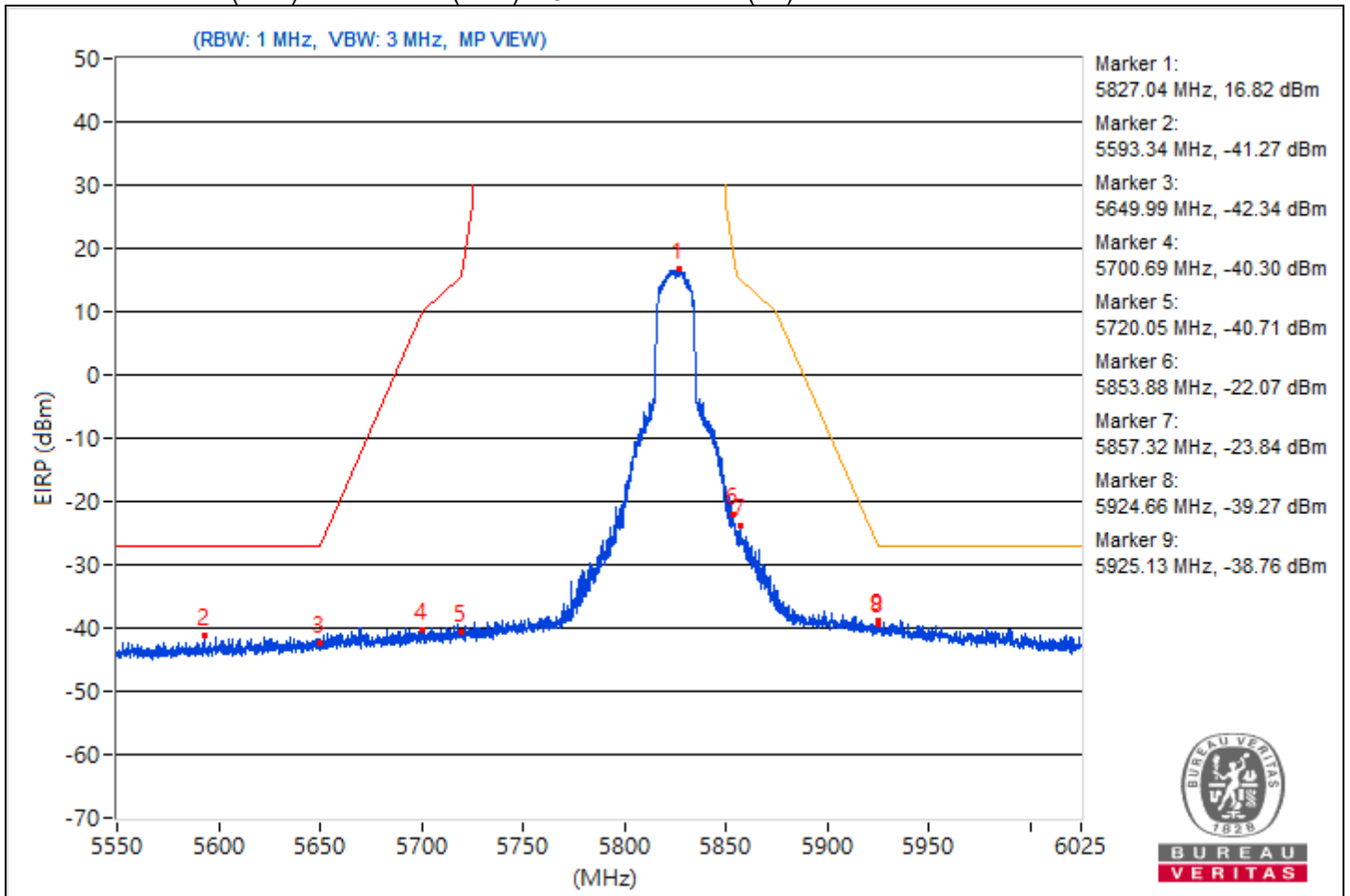


RF Mode	802.11ac (VHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5827.04	112.08	-	-	11.42	5.4	16.82
2	#5593.34	53.99	68.26	-14.27	-46.67	5.4	-41.27
3	#5649.99	52.92	68.26	-15.34	-47.74	5.4	-42.34
4	#5700.69	54.96	105.45	-50.49	-45.7	5.4	-40.3
5	#5720.05	54.55	110.97	-56.42	-46.11	5.4	-40.71
6	#5853.88	73.19	113.41	-40.22	-27.47	5.4	-22.07
7	#5857.32	71.42	110.21	-38.79	-29.24	5.4	-23.84
8	#5924.66	55.99	68.51	-12.52	-44.67	5.4	-39.27
9	#5925.13	56.5	68.26	-11.76	-44.16	5.4	-38.76

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

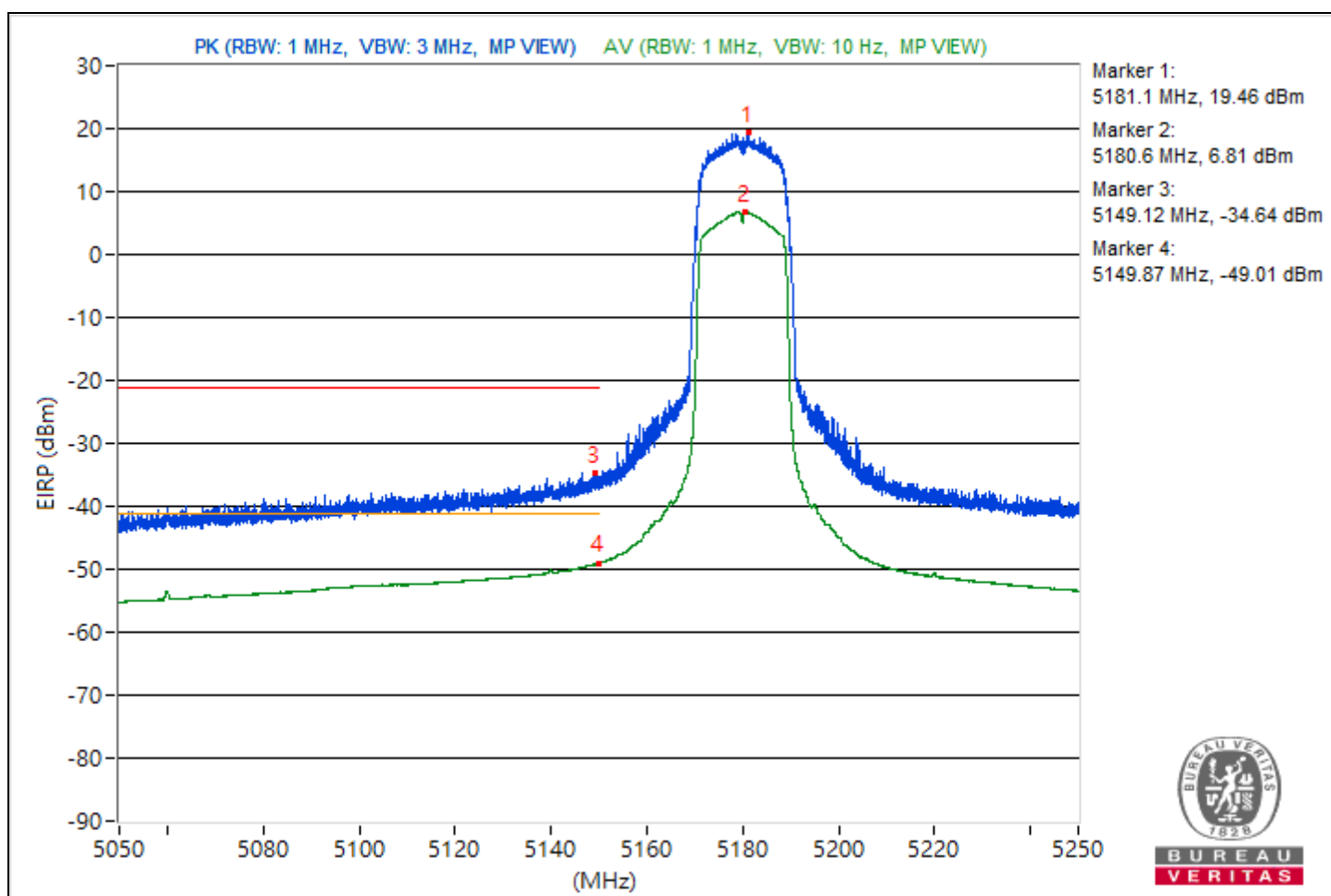


RF Mode	802.11ac (VHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5181.1	114.72 PK	-	-	14.06	5.4	19.46
2	*5180.6	102.07 AV	-	-	1.41	5.4	6.81
3	5149.12	60.62 PK	74	-13.38	-40.04	5.4	-34.64
4	5149.87	46.25 AV	54	-7.75	-54.41	5.4	-49.01

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

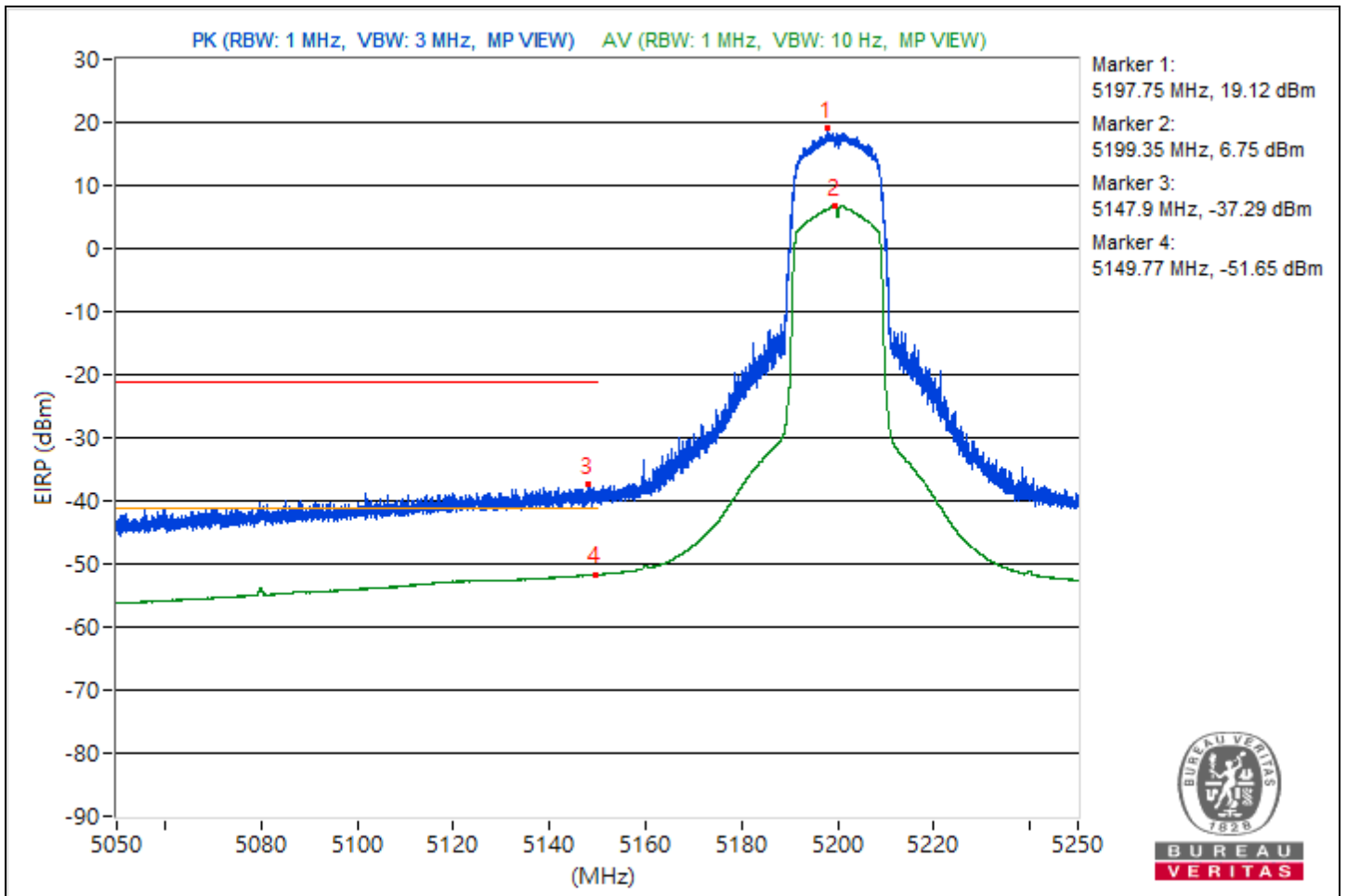


RF Mode	802.11ac (VHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5197.75	114.38 PK	-	-	13.72	5.4	19.12
2	*5199.35	102.01 AV	-	-	1.35	5.4	6.75
3	5147.9	57.97 PK	74	-16.03	-42.69	5.4	-37.29
4	5149.77	43.61 AV	54	-10.39	-57.05	5.4	-51.65

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

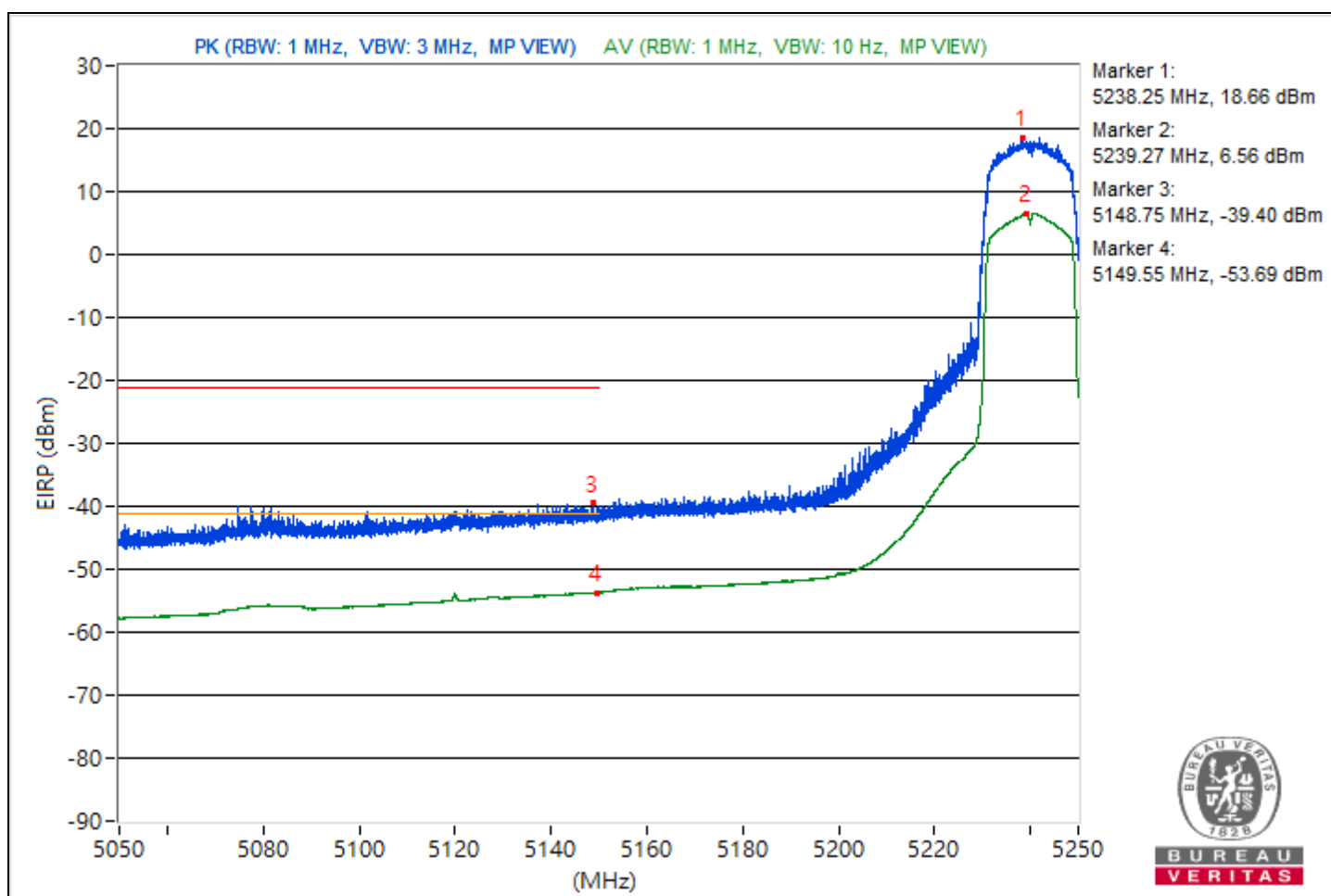


RF Mode	802.11ac (VHT20)	Channel	CH 48 : 5240 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5238.25	113.92 PK	-	-	13.26	5.4	18.66
2	*5239.27	101.82 AV	-	-	1.16	5.4	6.56
3	5148.75	55.86 PK	74	-18.14	-44.8	5.4	-39.4
4	5149.55	41.57 AV	54	-12.43	-59.09	5.4	-53.69

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

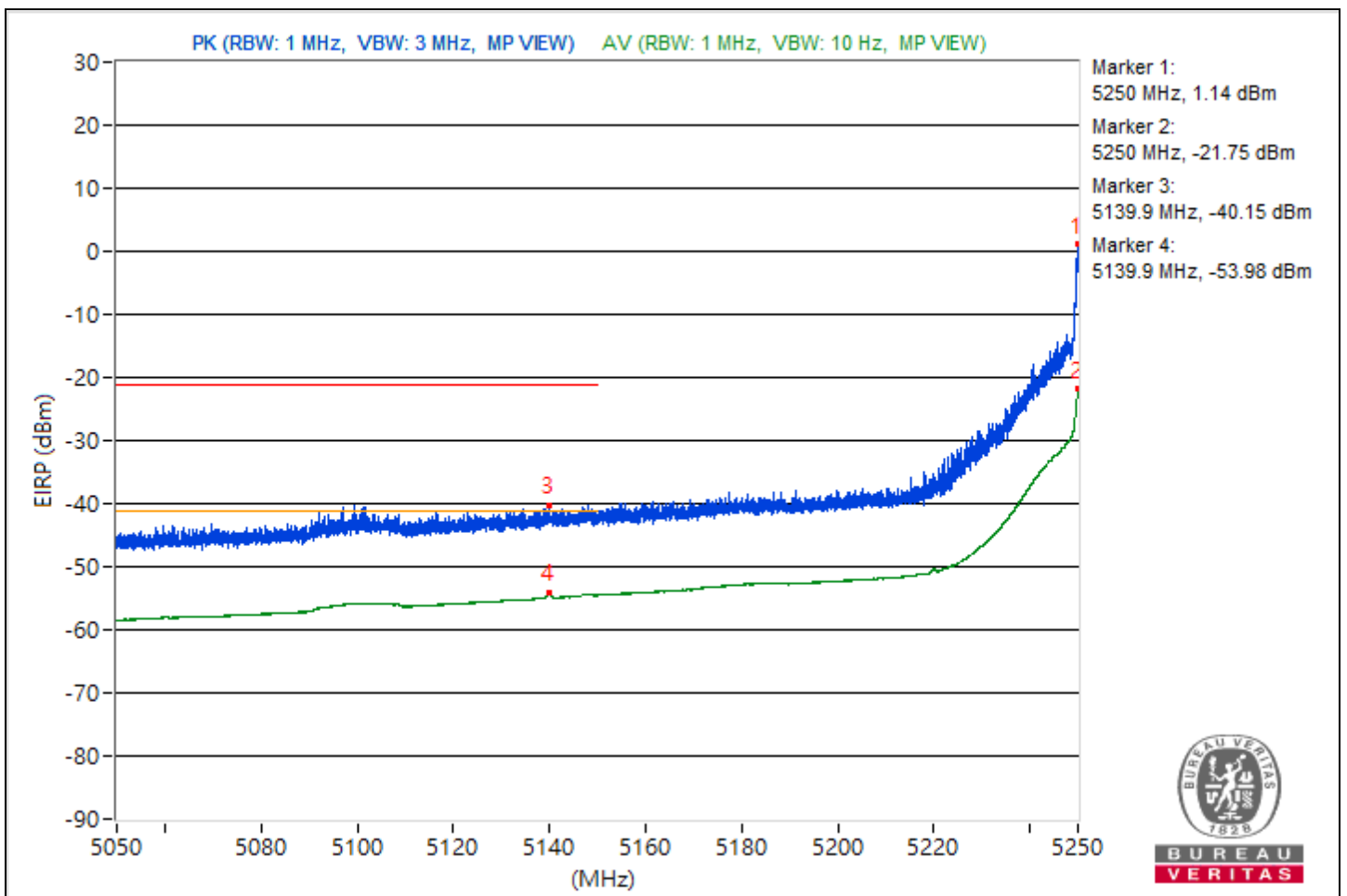


RF Mode	802.11ac (VHT20)	Channel	CH 52 : 5260 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5250	96.4 PK	-	-	-4.36	5.5	1.14
2	#5250	73.51 AV	-	-	-27.25	5.5	-21.75
3	5139.9	55.11 PK	74	-18.89	-45.65	5.5	-40.15
4	5139.9	41.28 AV	54	-12.72	-59.48	5.5	-53.98

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band, the limit was restricted at the Conducted Out of Band Emissions.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

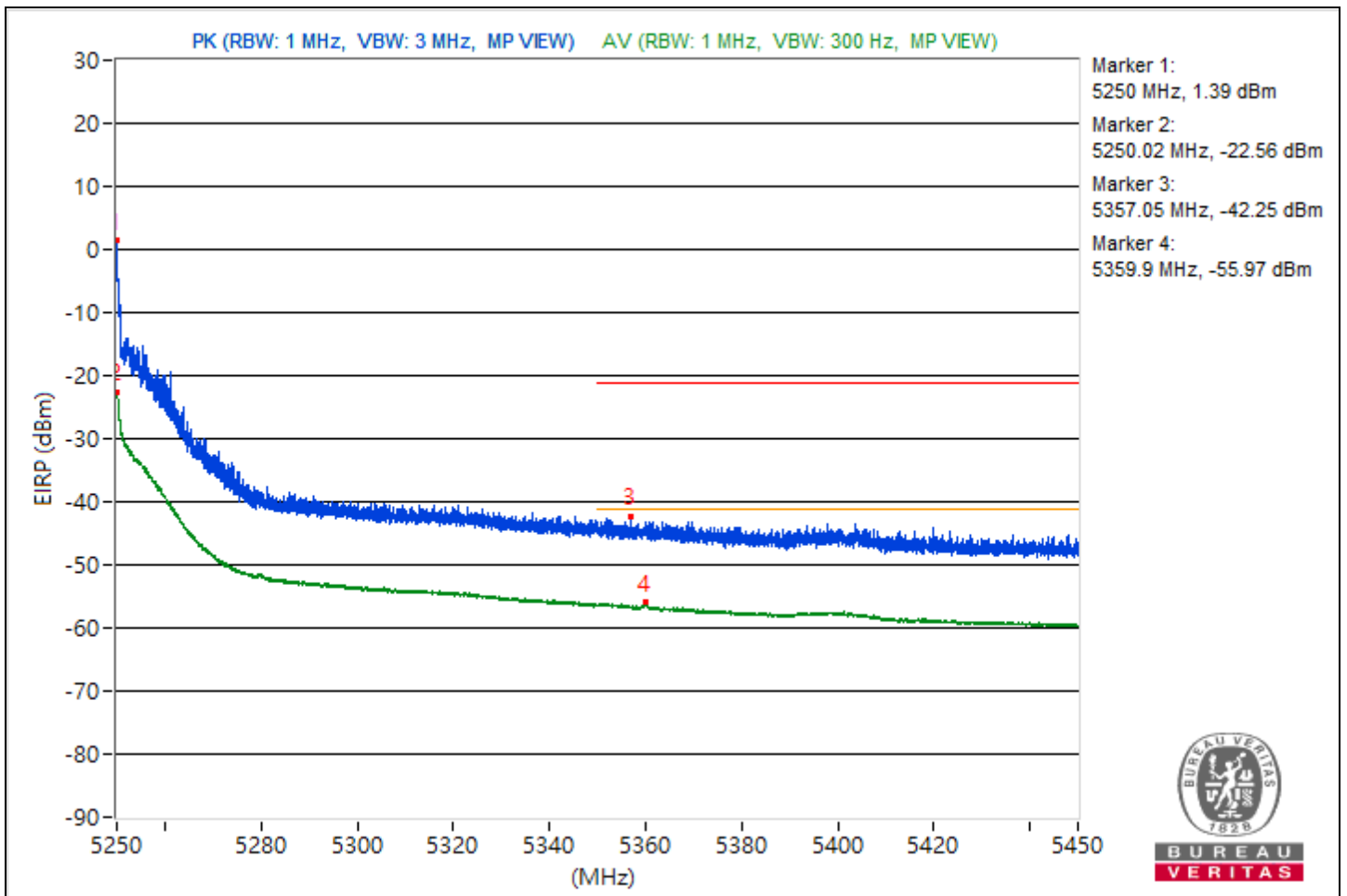


RF Mode	802.11ac (VHT20)	Channel	CH 48 : 5240 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5250	96.65 PK	-	-	-4.01	5.4	1.39
2	#5250.02	72.7 AV	-	-	-27.96	5.4	-22.56
3	5357.05	53.01 PK	74	-20.99	-47.65	5.4	-42.25
4	5359.9	39.29 AV	54	-14.71	-61.37	5.4	-55.97

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band, the limit was restricted at the Conducted Out of Band Emissions.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

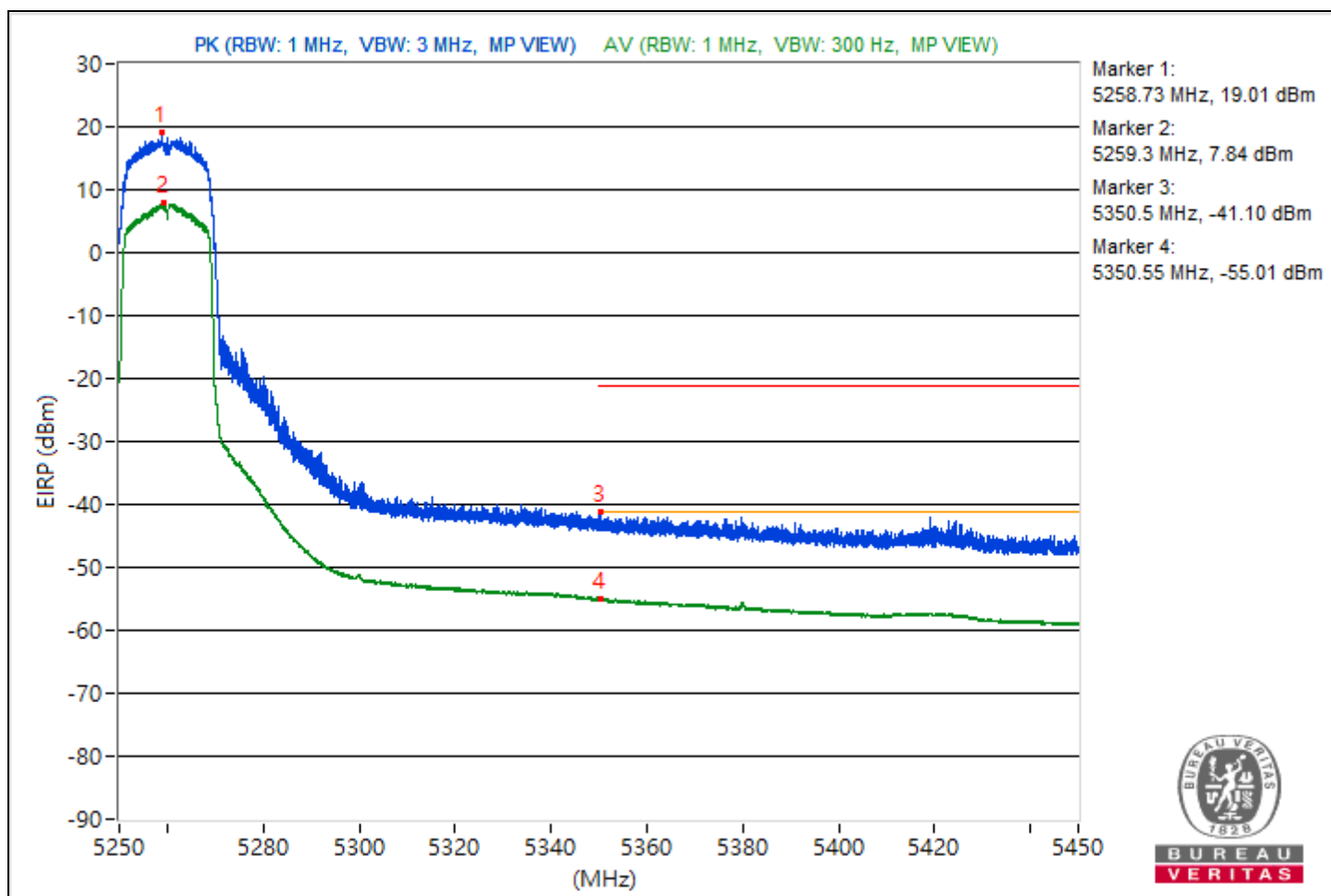


RF Mode	802.11ac (VHT20)	Channel	CH 52 : 5260 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5258.73	114.27 PK	-	-	13.51	5.5	19.01
2	*5259.3	103.1 AV	-	-	2.34	5.5	7.84
3	5350.5	54.16 PK	74	-19.84	-46.6	5.5	-41.1
4	5350.55	40.25 AV	54	-13.75	-60.51	5.5	-55.01

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

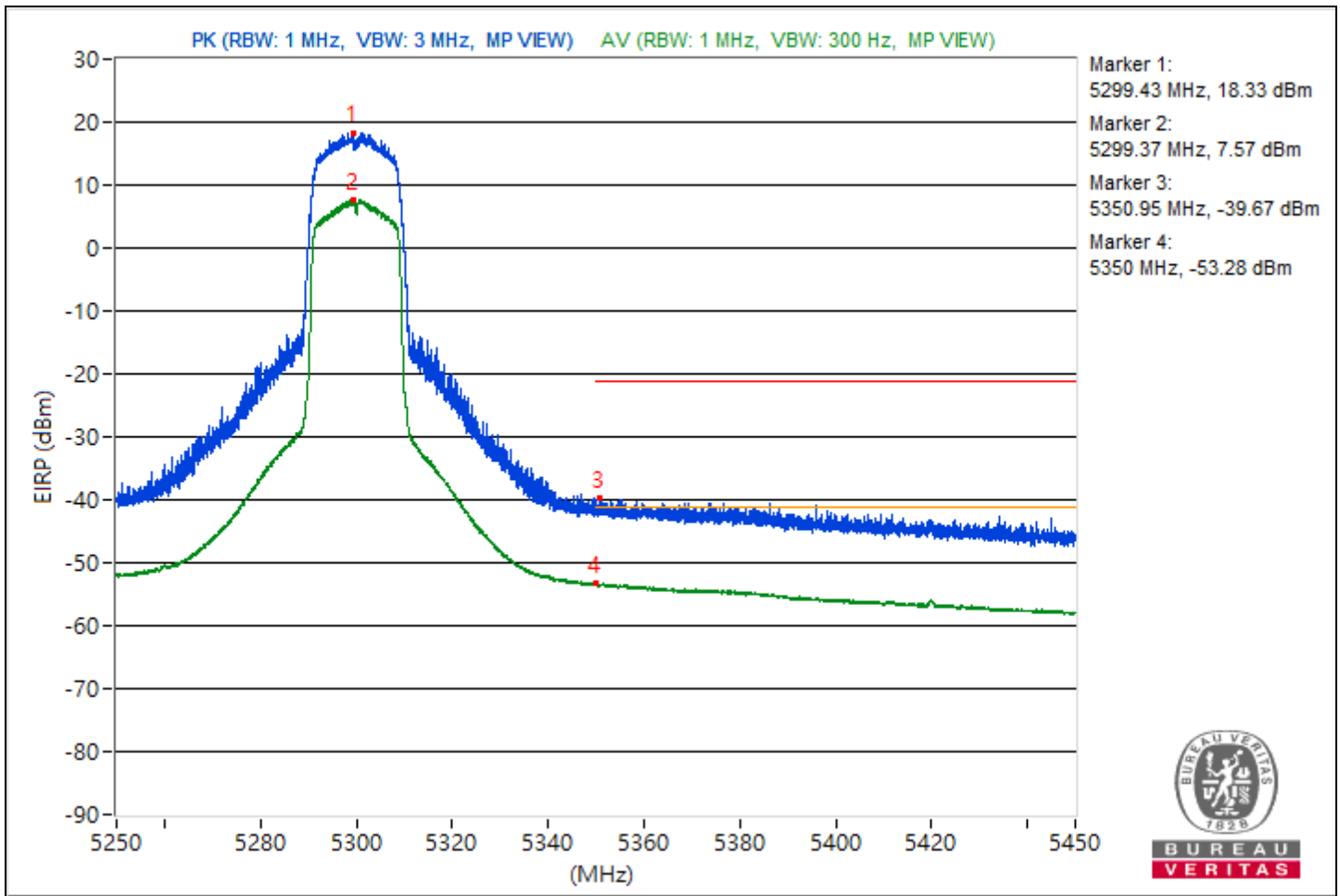


RF Mode	802.11ac (VHT20)	Channel	CH 60 : 5300 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5299.43	113.59 PK	-	-	12.83	5.5	18.33
2	*5299.37	102.83 AV	-	-	2.07	5.5	7.57
3	5350.95	55.59 PK	74	-18.41	-45.17	5.5	-39.67
4	5350	41.98 AV	54	-12.02	-58.78	5.5	-53.28

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

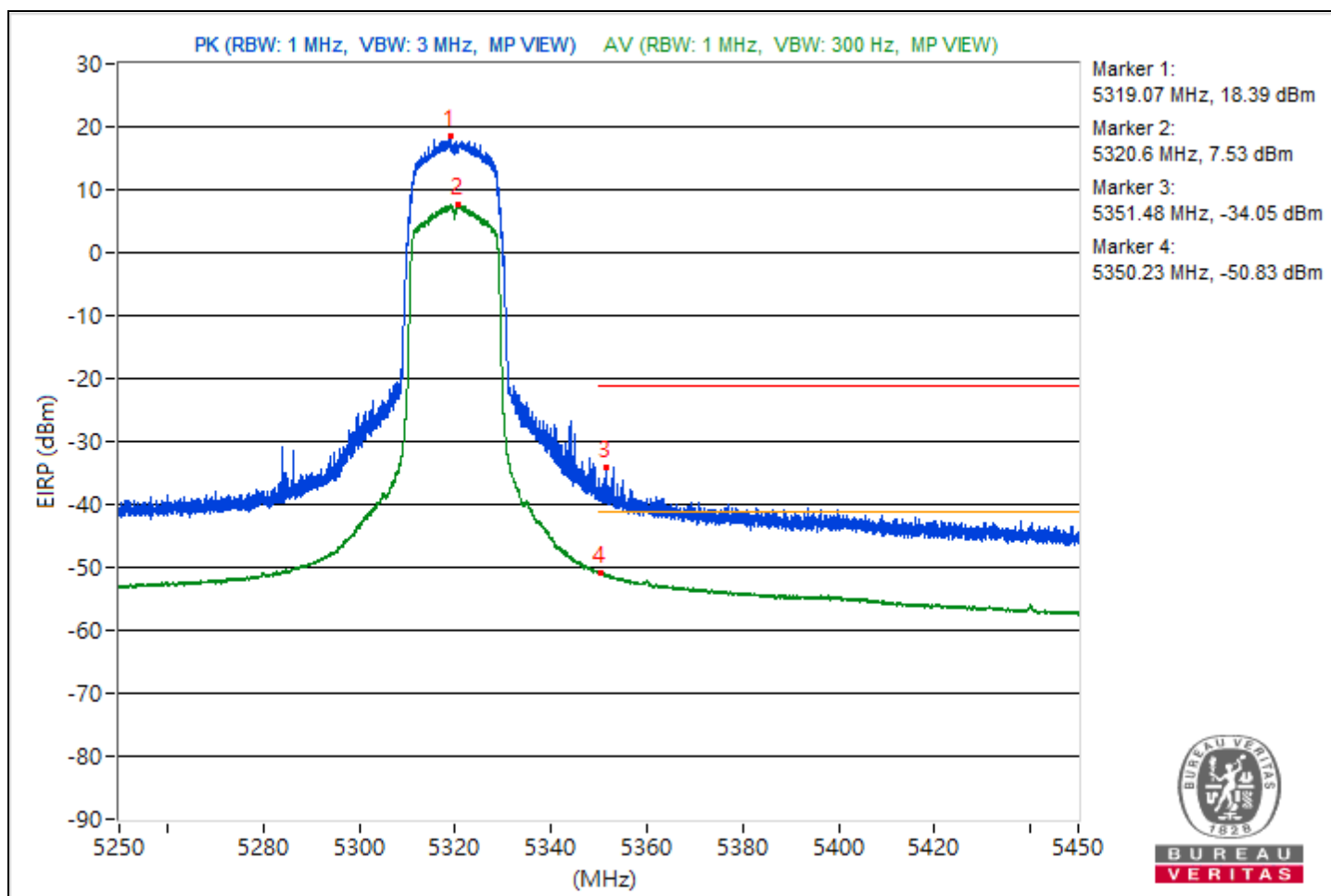


RF Mode	802.11ac (VHT20)	Channel	CH 64 : 5320 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5319.07	113.65 PK	-	-	12.89	5.5	18.39
2	*5320.6	102.79 AV	-	-	2.03	5.5	7.53
3	5351.48	61.21 PK	74	-12.79	-39.55	5.5	-34.05
4	5350.23	44.43 AV	54	-9.57	-56.33	5.5	-50.83

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

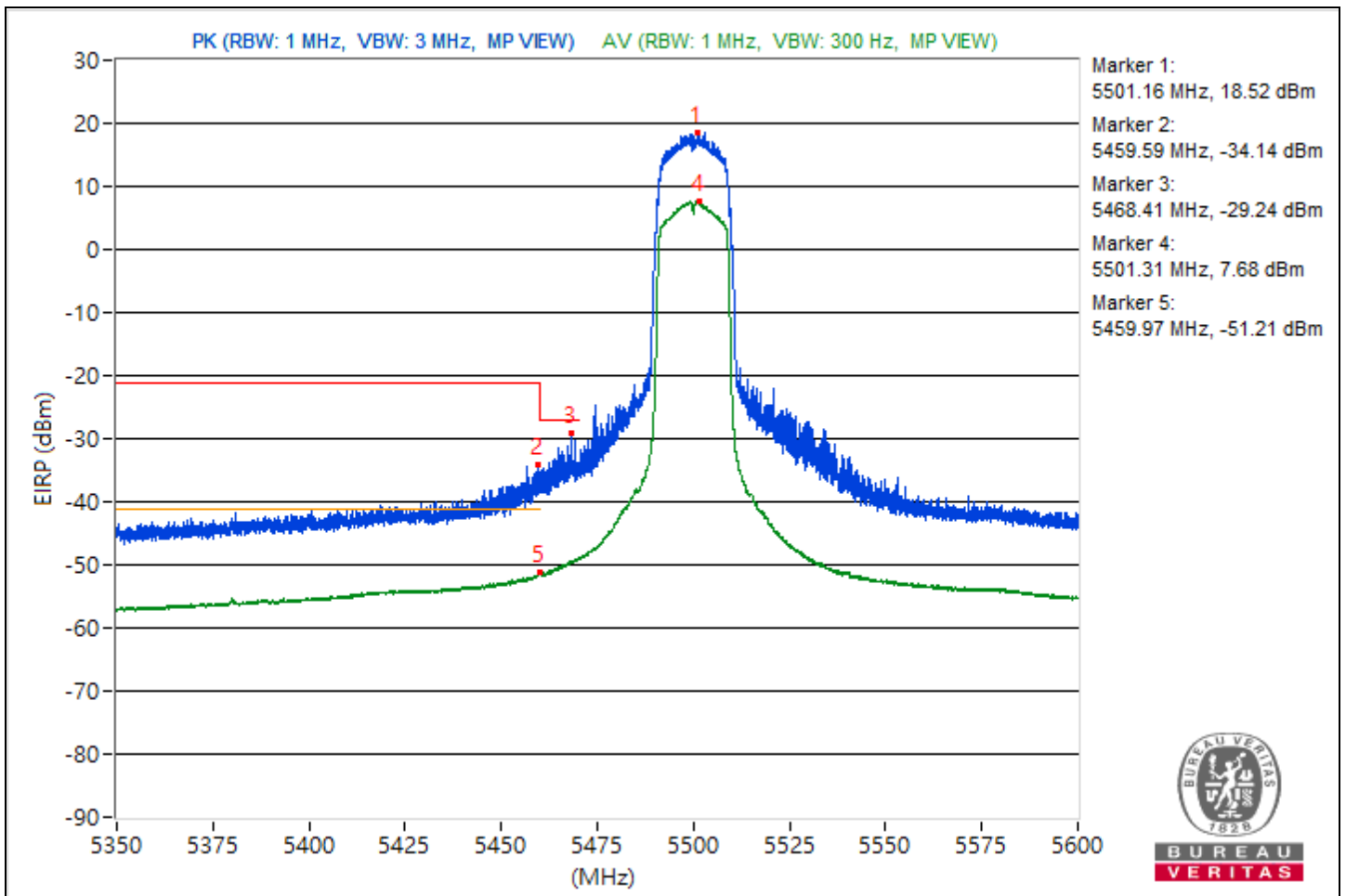


RF Mode	802.11ac (VHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5501.16	113.78 PK	-	-	12.92	5.6	18.52
2	5459.59	61.12 PK	74	-12.88	-39.74	5.6	-34.14
3	#5468.41	66.02 PK	68.26	-2.24	-34.84	5.6	-29.24
4	*5501.31	102.94 AV	-	-	2.08	5.6	7.68
5	5459.97	44.05 AV	54	-9.95	-56.81	5.6	-51.21

Notes:

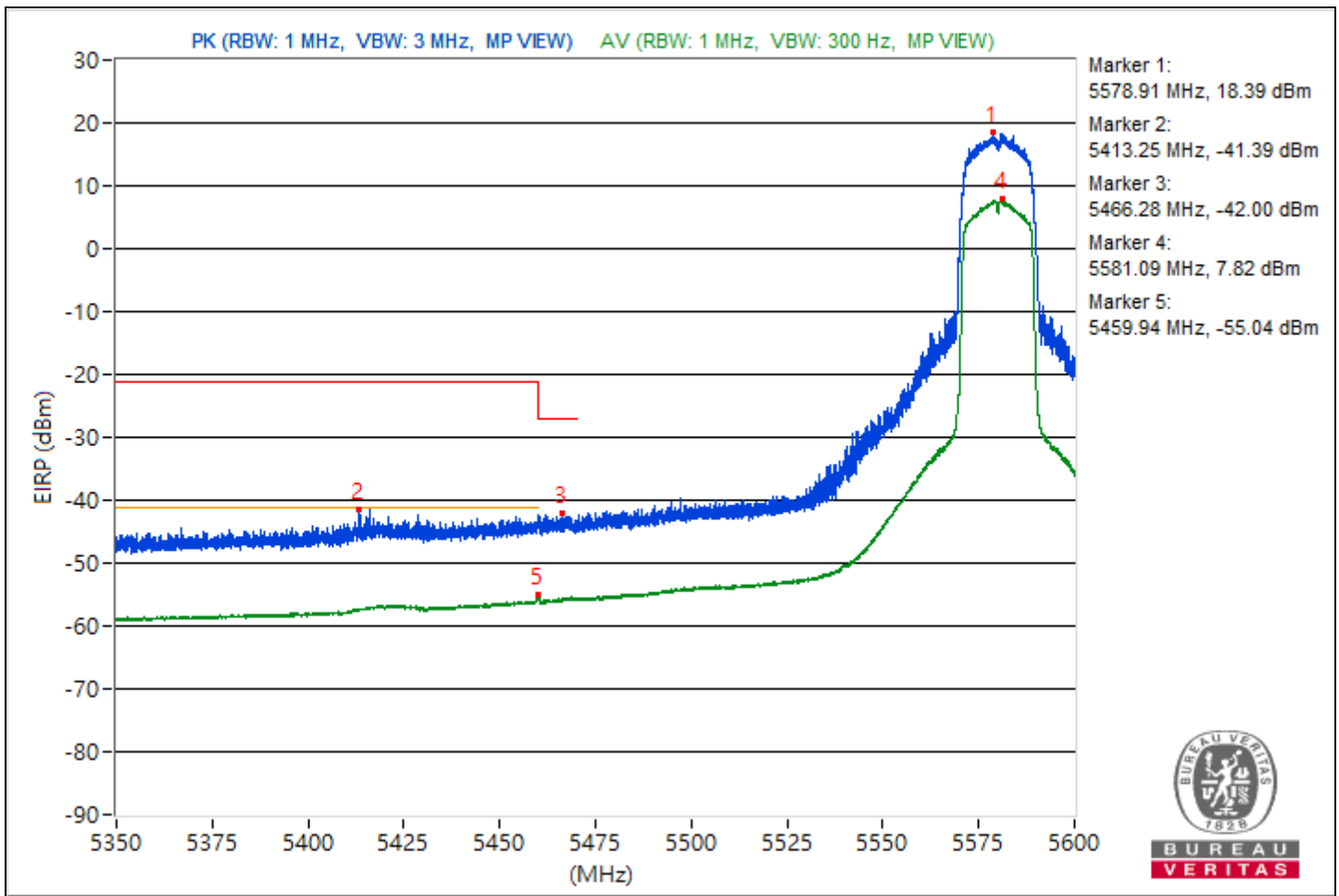
1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



RF Mode	802.11ac (VHT20)	Channel	CH 116 : 5580 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5578.91	113.65 PK	-	-	12.79	5.6	18.39
2	5413.25	53.87 PK	74	-20.13	-46.99	5.6	-41.39
3	#5466.28	53.26 PK	68.26	-15	-47.6	5.6	-42
4	*5581.09	103.08 AV	-	-	2.22	5.6	7.82
5	5459.94	40.22 AV	54	-13.78	-60.64	5.6	-55.04

- Notes:
1. Margin value = Emission Level - Limit value
 2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
 3. " # ": The radiated frequency is out of the restricted band.
 4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

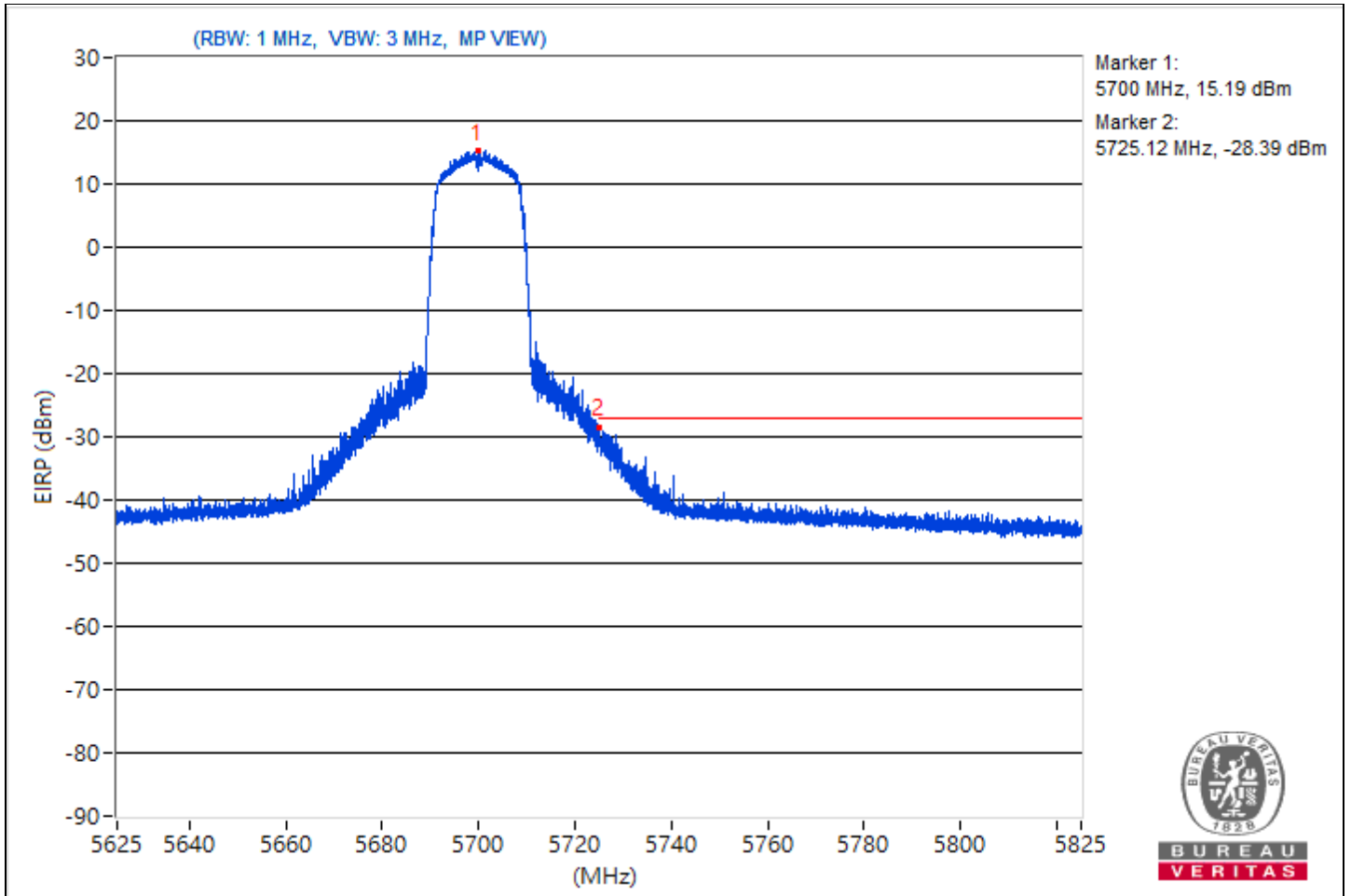


RF Mode	802.11ac (VHT20)	Channel	CH 140 : 5700 MHz
Frequency Range	5.625 GHz ~ 5.825 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5700	110.45	-	-	9.59	5.6	15.19
2	#5725.12	66.87	68.26	-1.39	-33.99	5.6	-28.39

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

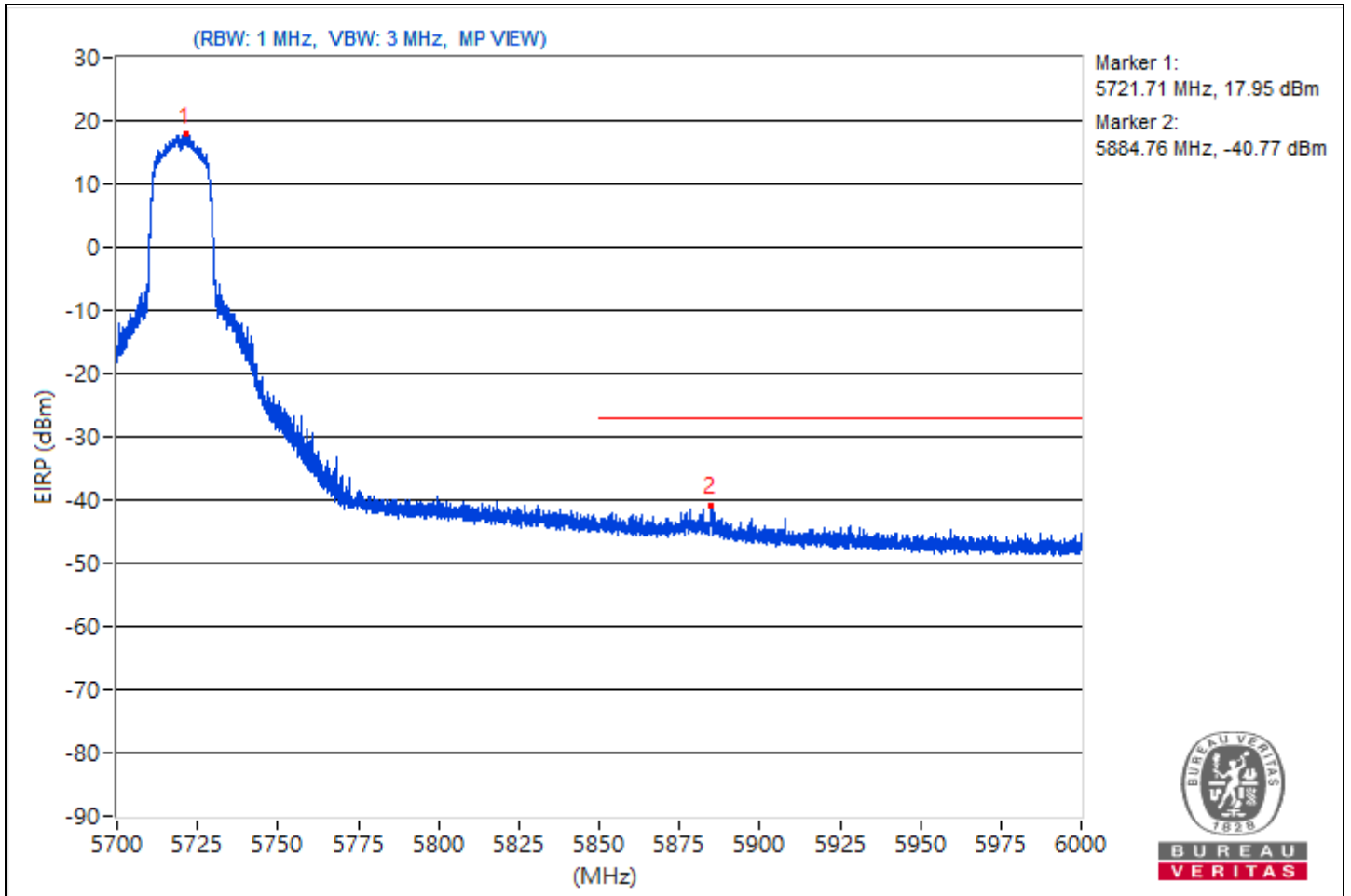


RF Mode	802.11ac (VHT20)	Channel	CH 144 : 5720 MHz
Frequency Range	5.7 GHz ~ 6 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5721.71	113.21	-	-	12.35	5.6	17.95
2	#5884.76	54.49	68.26	-13.77	-46.37	5.6	-40.77

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # " : The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

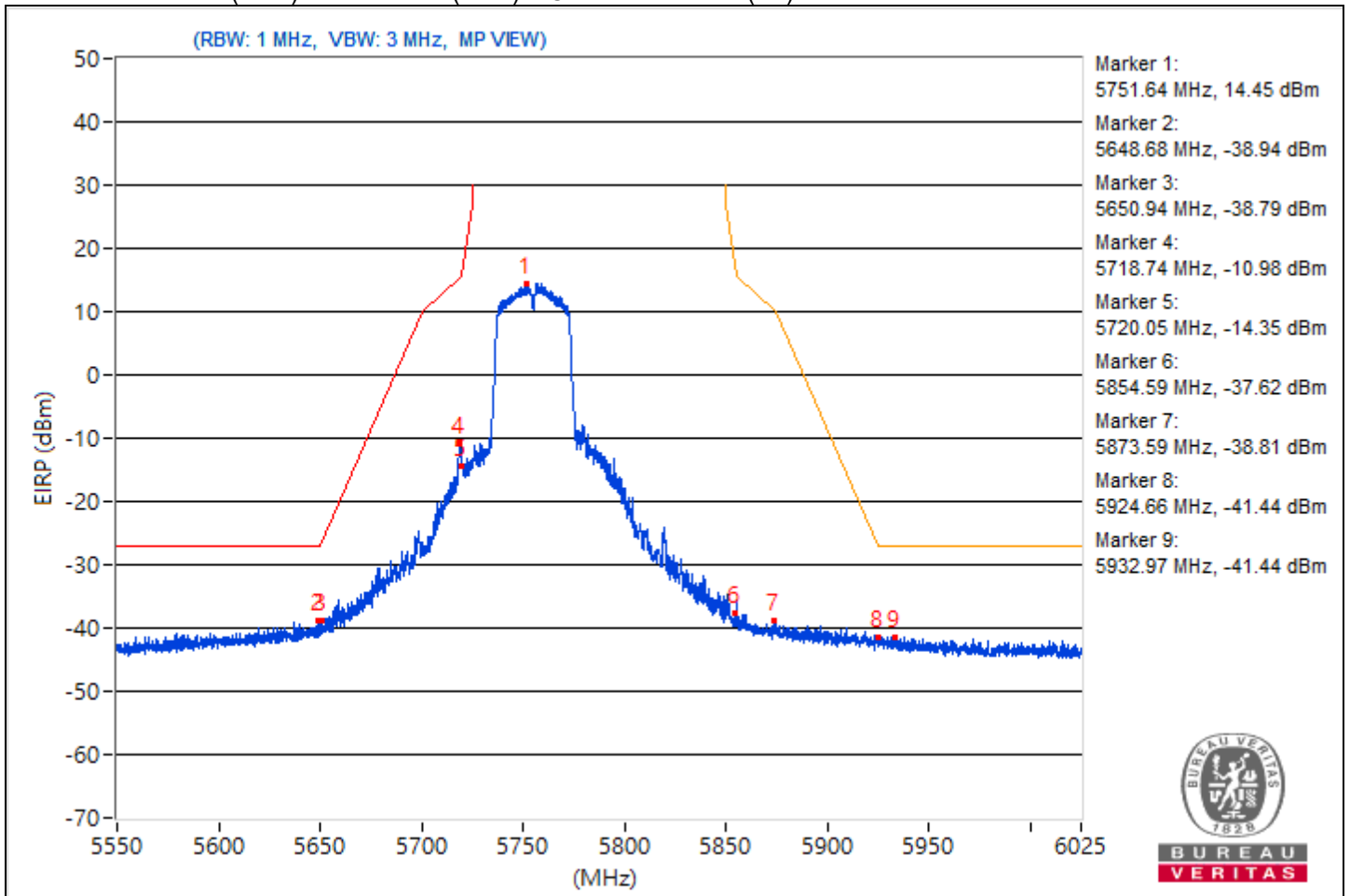


RF Mode	802.11ac (VHT40)	Channel	CH 151 : 5755 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5751.64	109.71	-	-	9.05	5.4	14.45
2	#5648.68	56.32	68.26	-11.94	-44.34	5.4	-38.94
3	#5650.94	56.47	68.95	-12.48	-44.19	5.4	-38.79
4	#5718.74	84.28	110.51	-26.23	-16.38	5.4	-10.98
5	#5720.05	80.91	110.97	-30.06	-19.75	5.4	-14.35
6	#5854.59	57.64	111.79	-54.15	-43.02	5.4	-37.62
7	#5873.59	56.45	105.65	-49.2	-44.21	5.4	-38.81
8	#5924.66	53.82	68.51	-14.69	-46.84	5.4	-41.44
9	#5932.97	53.82	68.26	-14.44	-46.84	5.4	-41.44

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

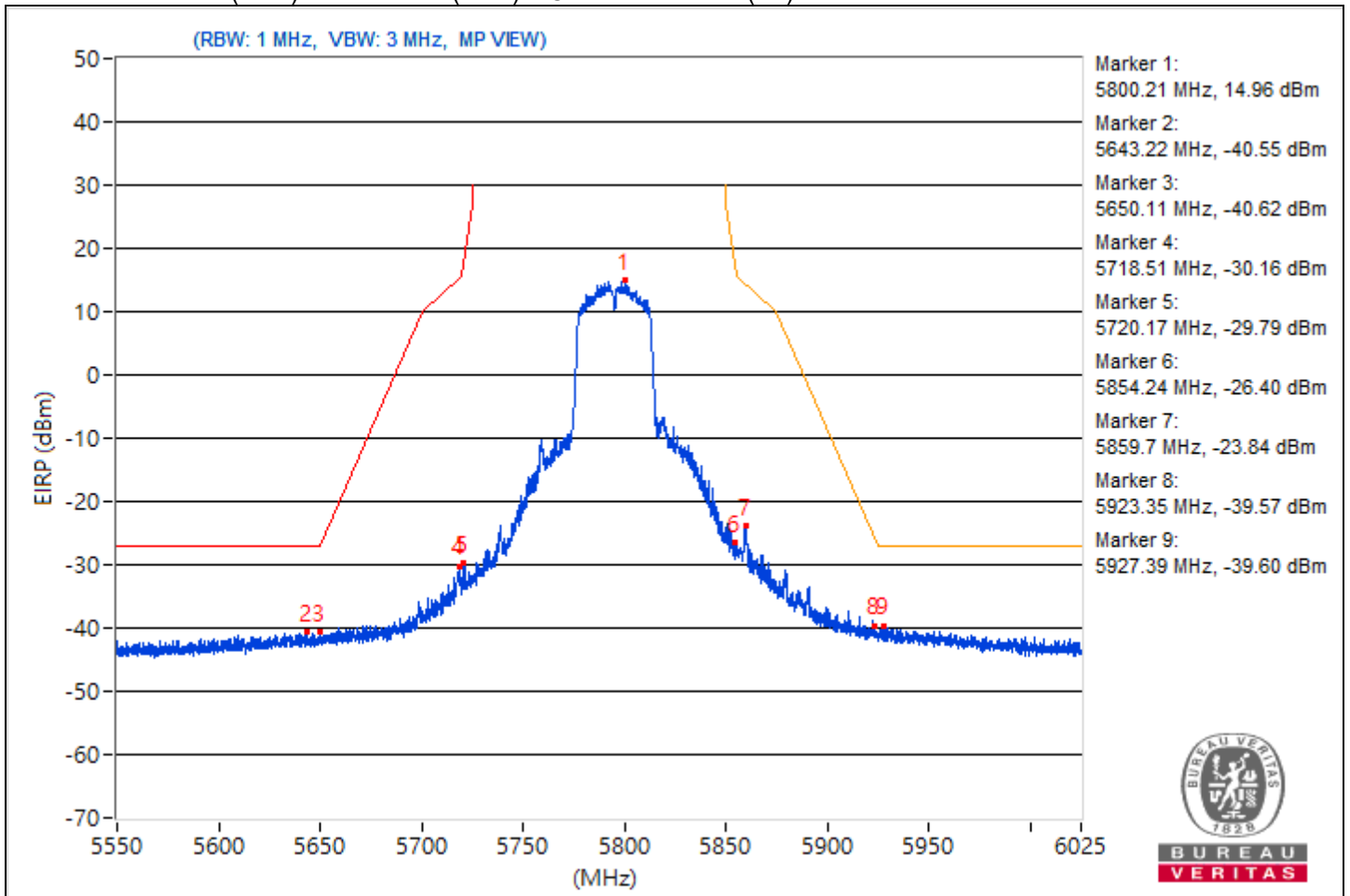


RF Mode	802.11ac (VHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5800.21	110.22	-	-	9.56	5.4	14.96
2	#5643.22	54.71	68.26	-13.55	-45.95	5.4	-40.55
3	#5650.11	54.64	68.34	-13.7	-46.02	5.4	-40.62
4	#5718.51	65.1	110.44	-45.34	-35.56	5.4	-30.16
5	#5720.17	65.47	111.24	-45.77	-35.19	5.4	-29.79
6	#5854.24	68.86	112.6	-43.74	-31.8	5.4	-26.4
7	#5859.7	71.42	109.54	-38.12	-29.24	5.4	-23.84
8	#5923.35	55.69	69.48	-13.79	-44.97	5.4	-39.57
9	#5927.39	55.66	68.26	-12.6	-45	5.4	-39.6

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

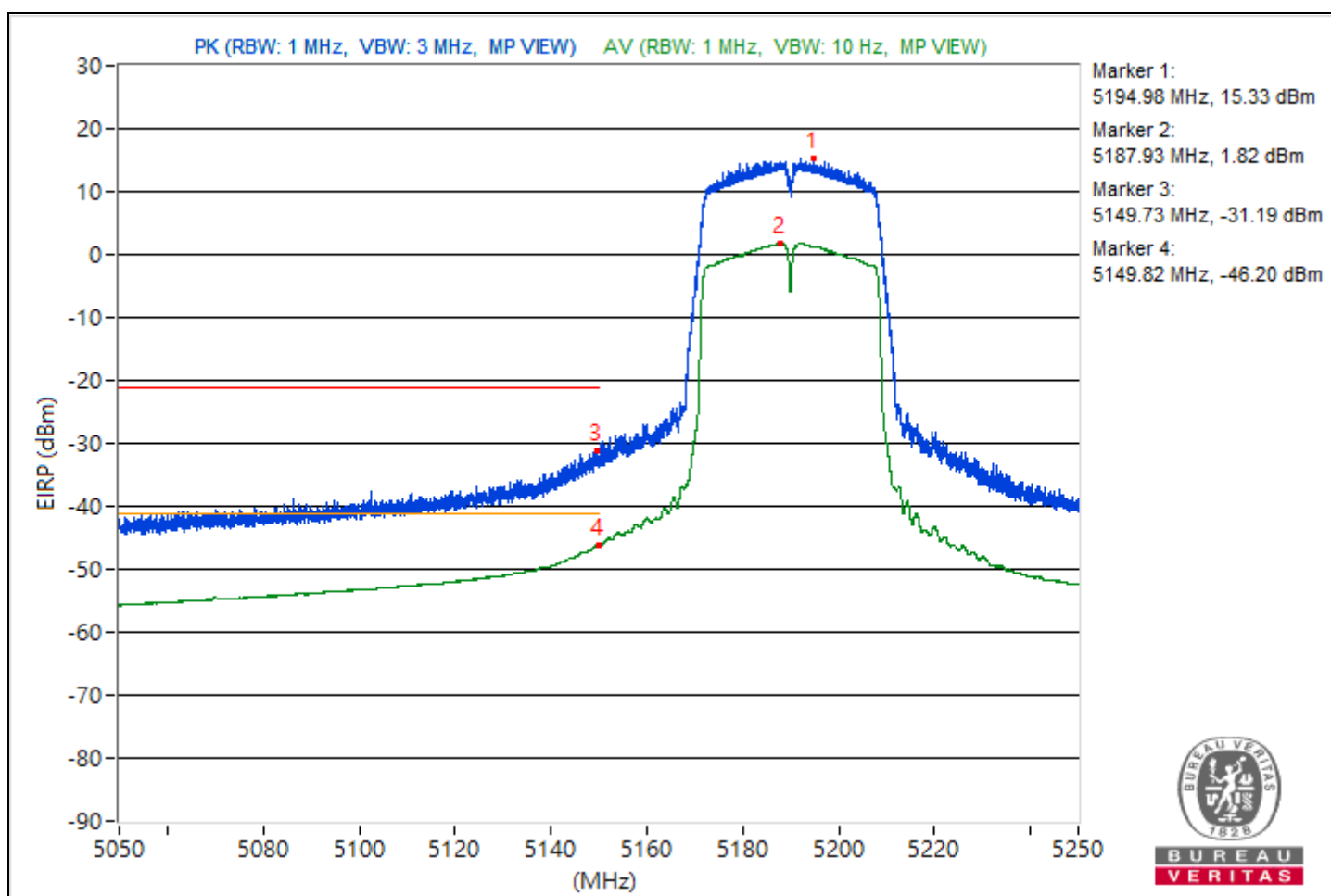


RF Mode	802.11ac (VHT40)	Channel	CH 38 : 5190 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5194.98	110.59 PK	-	-	9.93	5.4	15.33
2	*5187.93	97.08 AV	-	-	-3.58	5.4	1.82
3	5149.73	64.07 PK	74	-9.93	-36.59	5.4	-31.19
4	5149.82	49.06 AV	54	-4.94	-51.6	5.4	-46.2

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

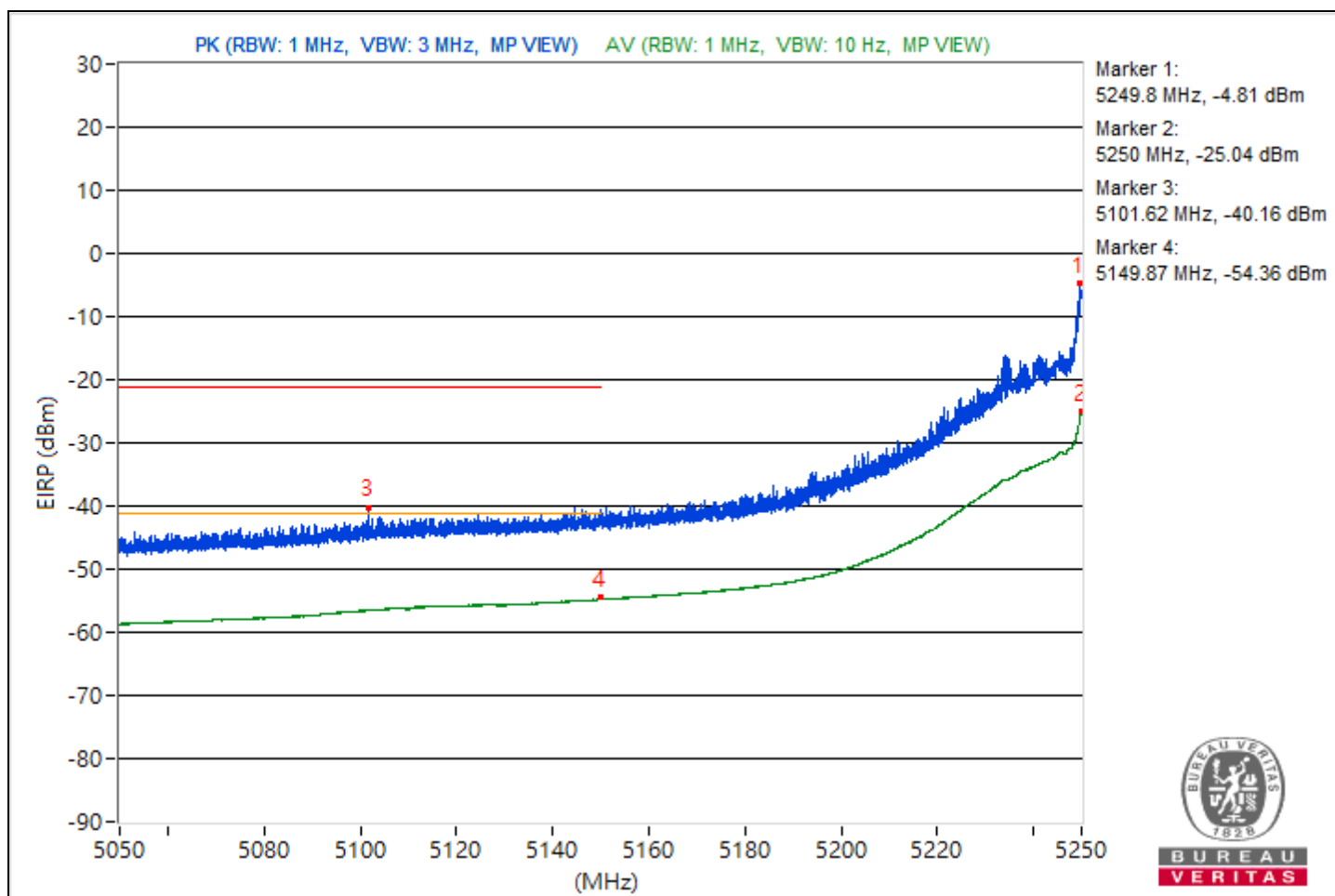


RF Mode	802.11ac (VHT40)	Channel	CH 54 : 5270 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5249.8	90.45 PK	-	-	-10.31	5.5	-4.81
2	#5250	70.22 AV	-	-	-30.54	5.5	-25.04
3	5101.62	55.1 PK	74	-18.9	-45.66	5.5	-40.16
4	5149.87	40.9 AV	54	-13.1	-59.86	5.5	-54.36

Notes:

1. Margin value = Emission Level - Limit value
2. "#": The radiated frequency is out of the restricted band, the limit was restricted at the Conducted Out of Band Emissions.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

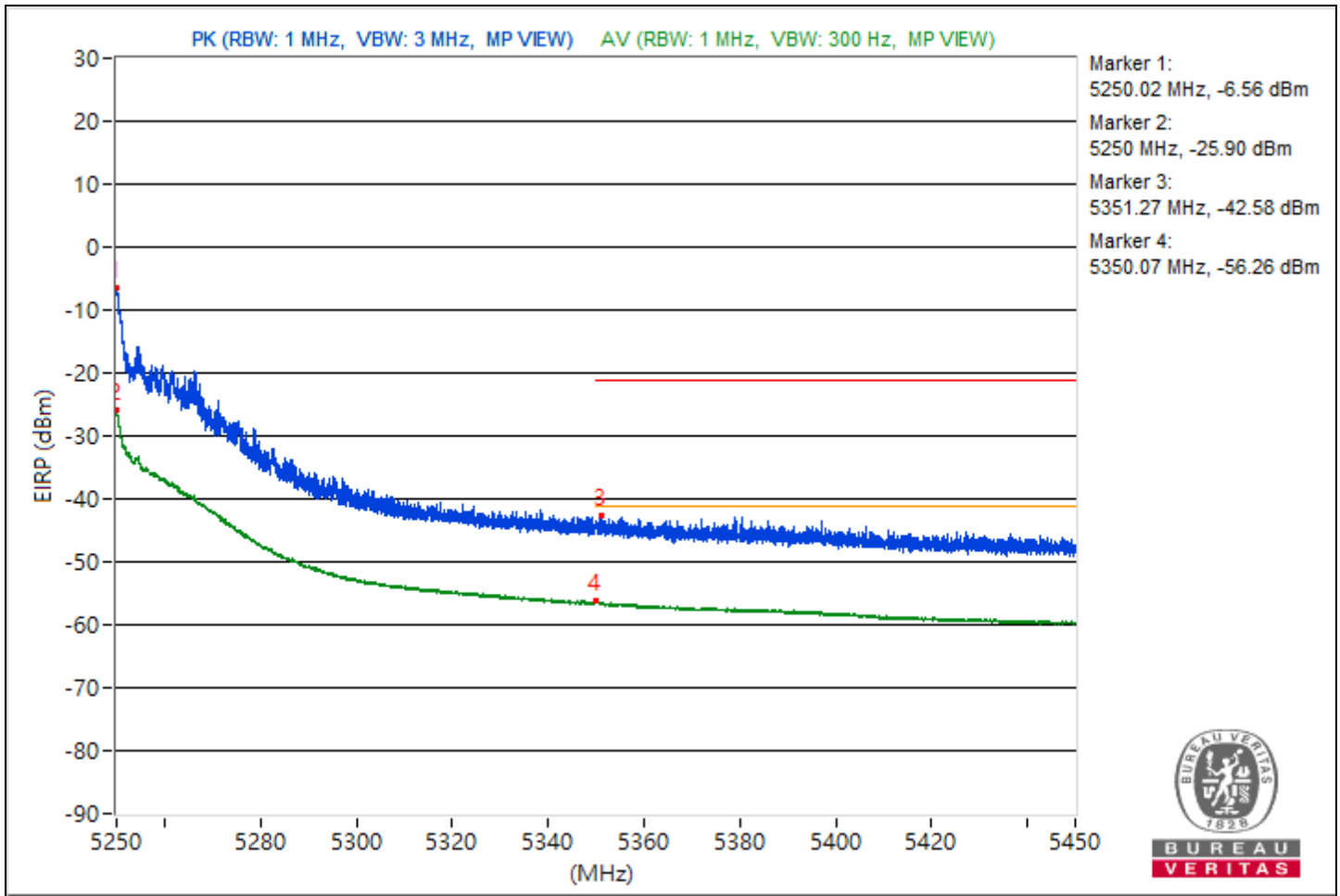


RF Mode	802.11ac (VHT40)	Channel	CH 46 : 5230 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5250.02	88.7 PK	-	-	-11.96	5.4	-6.56
2	#5250	69.36 AV	-	-	-31.3	5.4	-25.9
3	5351.27	52.68 PK	74	-21.32	-47.98	5.4	-42.58
4	5350.07	39 AV	54	-15	-61.66	5.4	-56.26

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band, the limit was restricted at the Conducted Out of Band Emissions.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

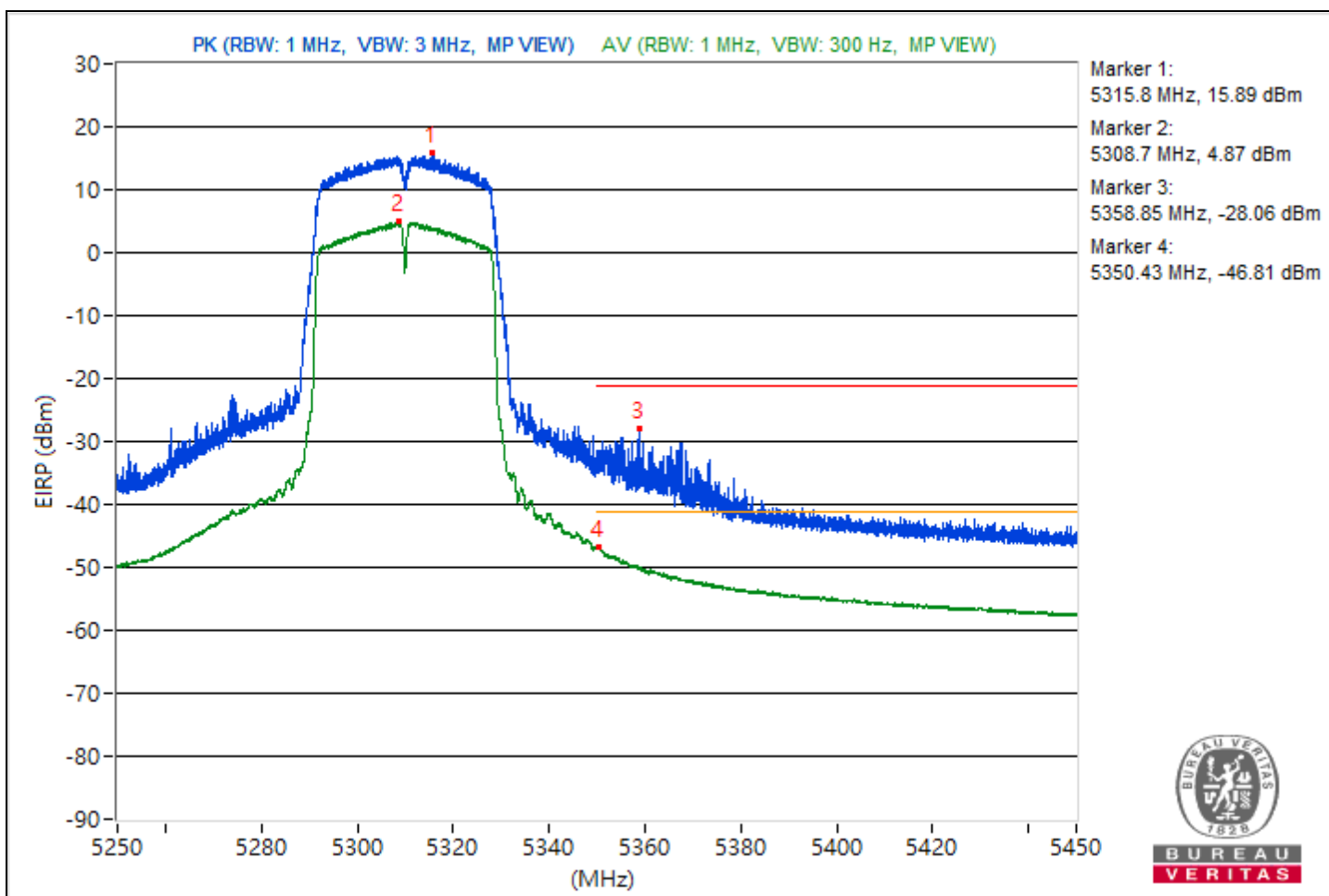


RF Mode	802.11ac (VHT40)	Channel	CH 62 : 5310 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5315.8	111.15 PK	-	-	10.39	5.5	15.89
2	*5308.7	100.13 AV	-	-	-0.63	5.5	4.87
3	5358.85	67.2 PK	74	-6.8	-33.56	5.5	-28.06
4	5350.43	48.45 AV	54	-5.55	-52.31	5.5	-46.81

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

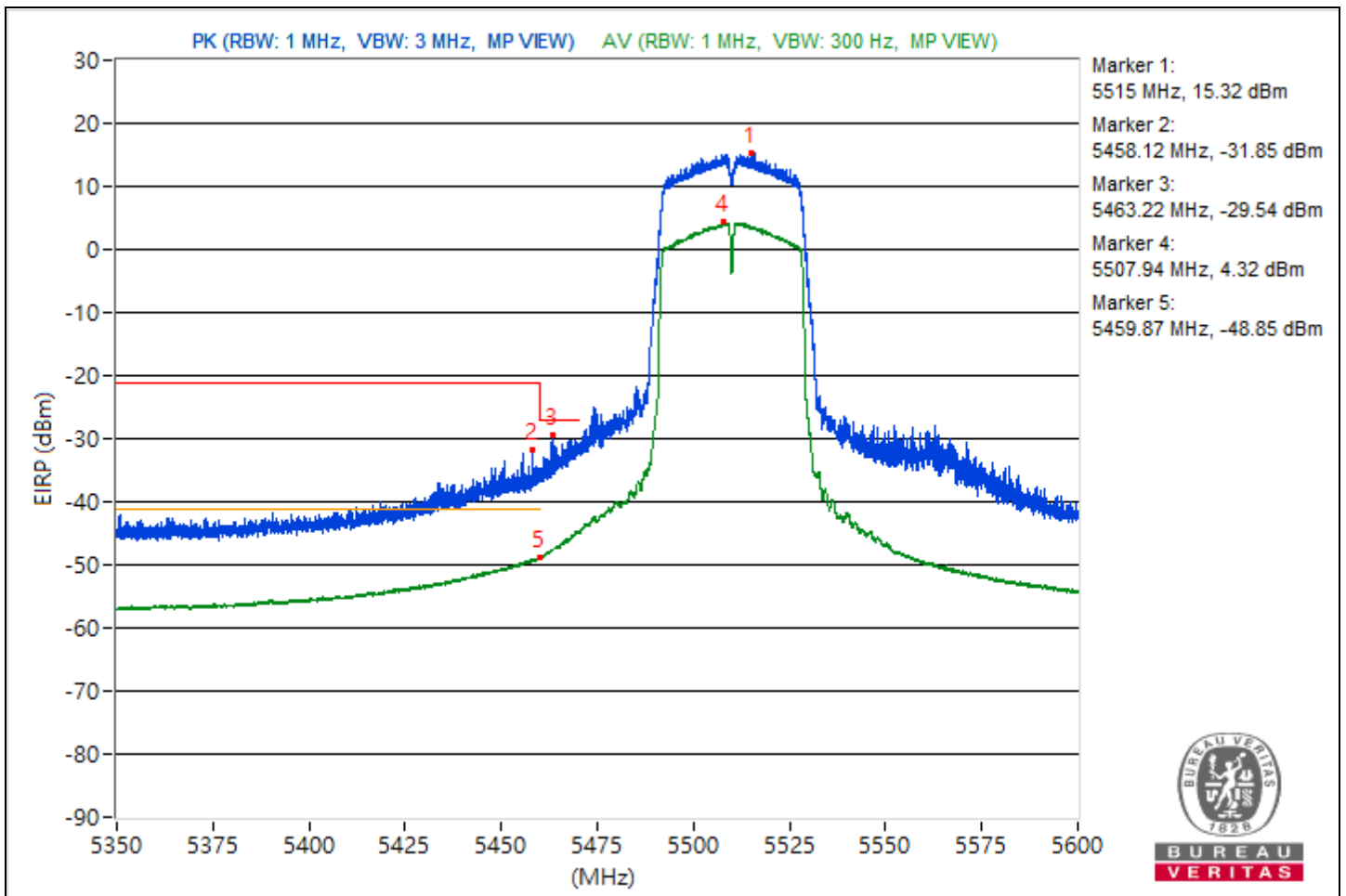


RF Mode	802.11ac (VHT40)	Channel	CH 102 : 5510 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5515	110.58 PK	-	-	9.72	5.6	15.32
2	5458.12	63.41 PK	74	-10.59	-37.45	5.6	-31.85
3	#5463.22	65.72 PK	68.26	-2.54	-35.14	5.6	-29.54
4	*5507.94	99.58 AV	-	-	-1.28	5.6	4.32
5	5459.87	46.41 AV	54	-7.59	-54.45	5.6	-48.85

Notes:

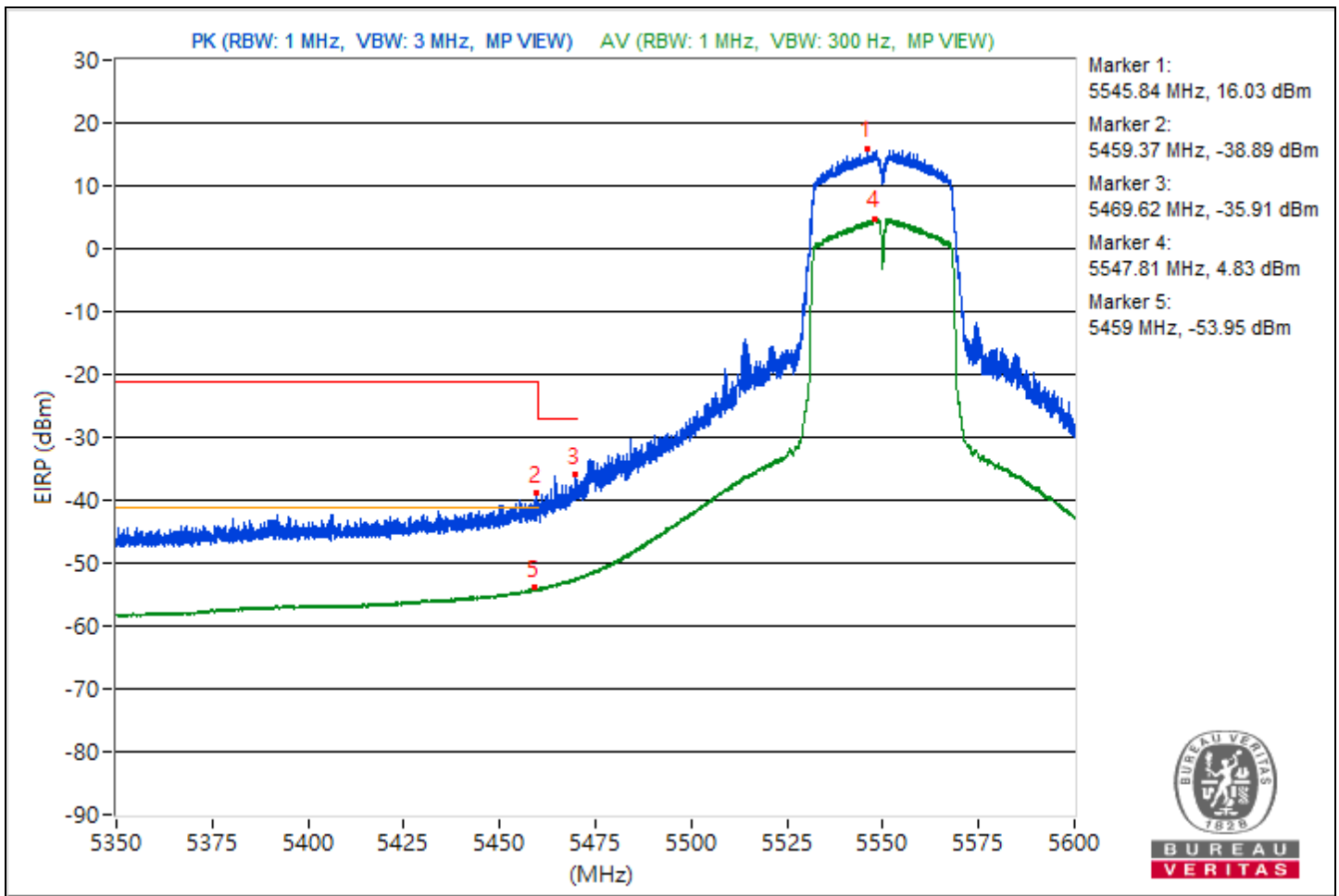
1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



RF Mode	802.11ac (VHT40)	Channel	CH 110 : 5550 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5545.84	111.29 PK	-	-	10.43	5.6	16.03
2	5459.37	56.37 PK	74	-17.63	-44.49	5.6	-38.89
3	#5469.62	59.35 PK	68.26	-8.91	-41.51	5.6	-35.91
4	*5547.81	100.09 AV	-	-	-0.77	5.6	4.83
5	5459	41.31 AV	54	-12.69	-59.55	5.6	-53.95

- Notes:
1. Margin value = Emission Level - Limit value
 2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
 3. " # ": The radiated frequency is out of the restricted band.
 4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

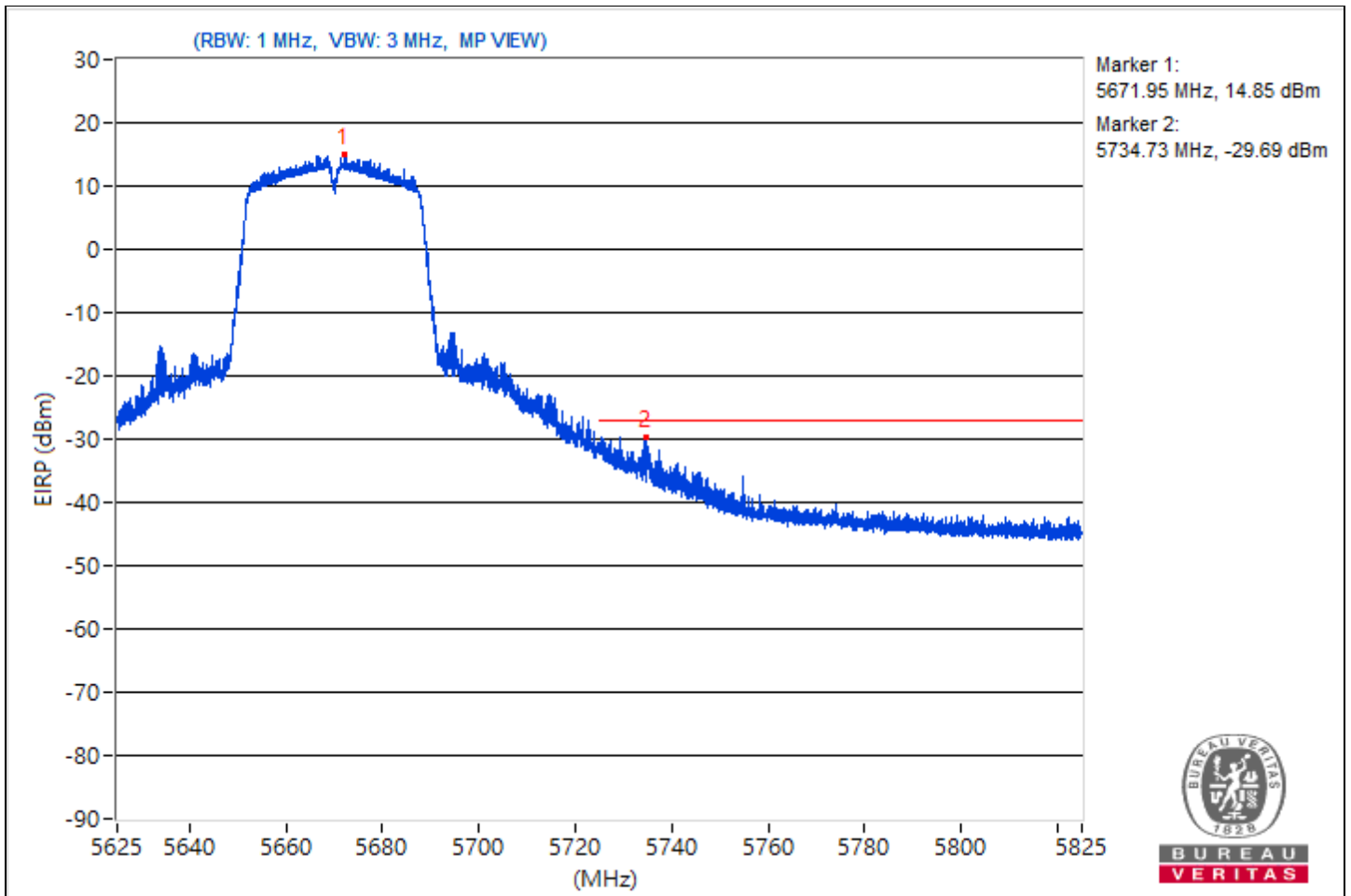


RF Mode	802.11ac (VHT40)	Channel	CH 134 : 5670 MHz
Frequency Range	5.625 GHz ~ 5.825 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5671.95	110.11	-	-	9.25	5.6	14.85
2	#5734.73	65.57	68.26	-2.69	-35.29	5.6	-29.69

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

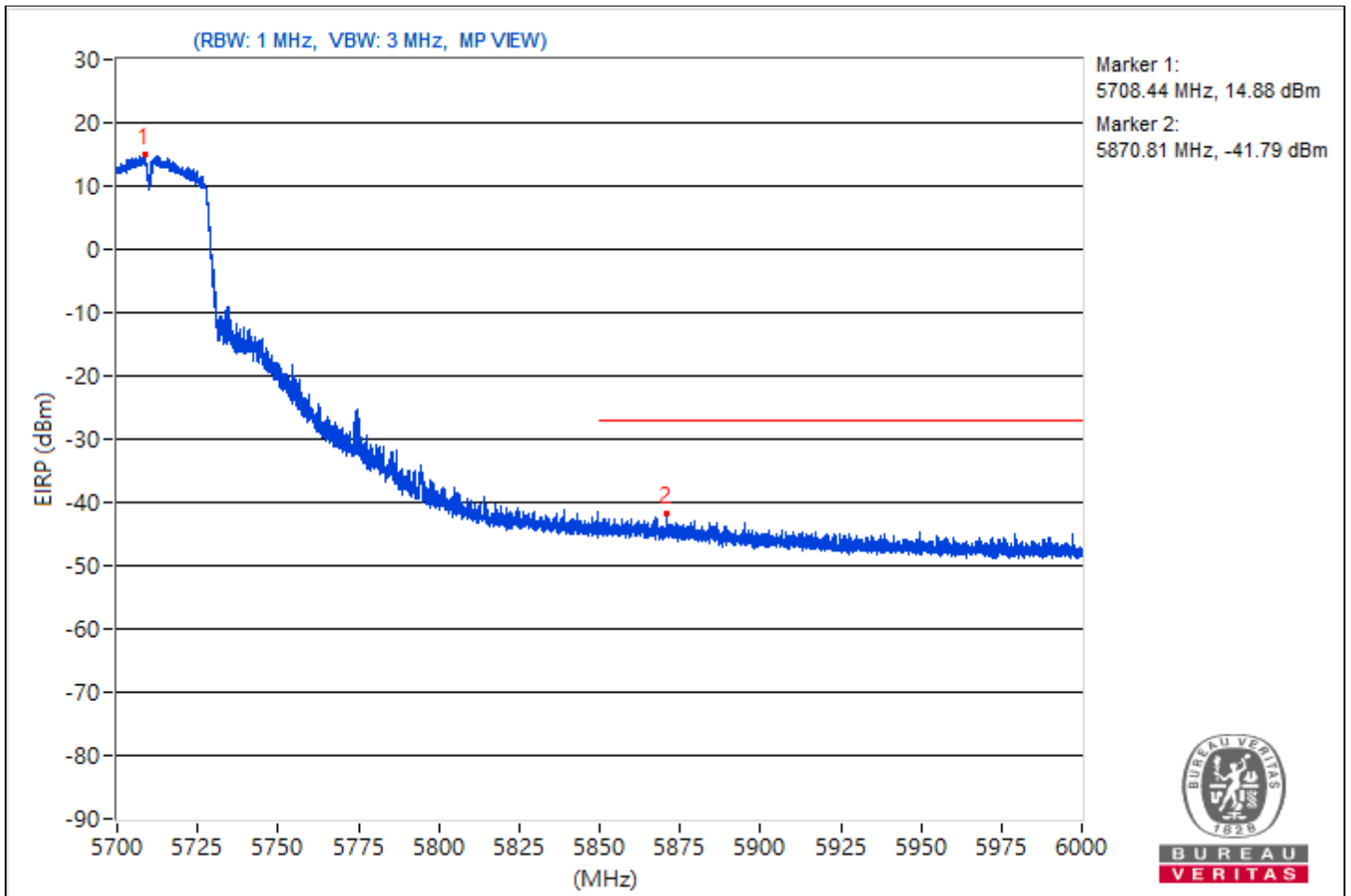


RF Mode	802.11ac (VHT40)	Channel	CH 142 : 5710 MHz
Frequency Range	5.7 GHz ~ 6 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5708.44	110.14	-	-	9.28	5.6	14.88
2	#5870.81	53.47	68.26	-14.79	-47.39	5.6	-41.79

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

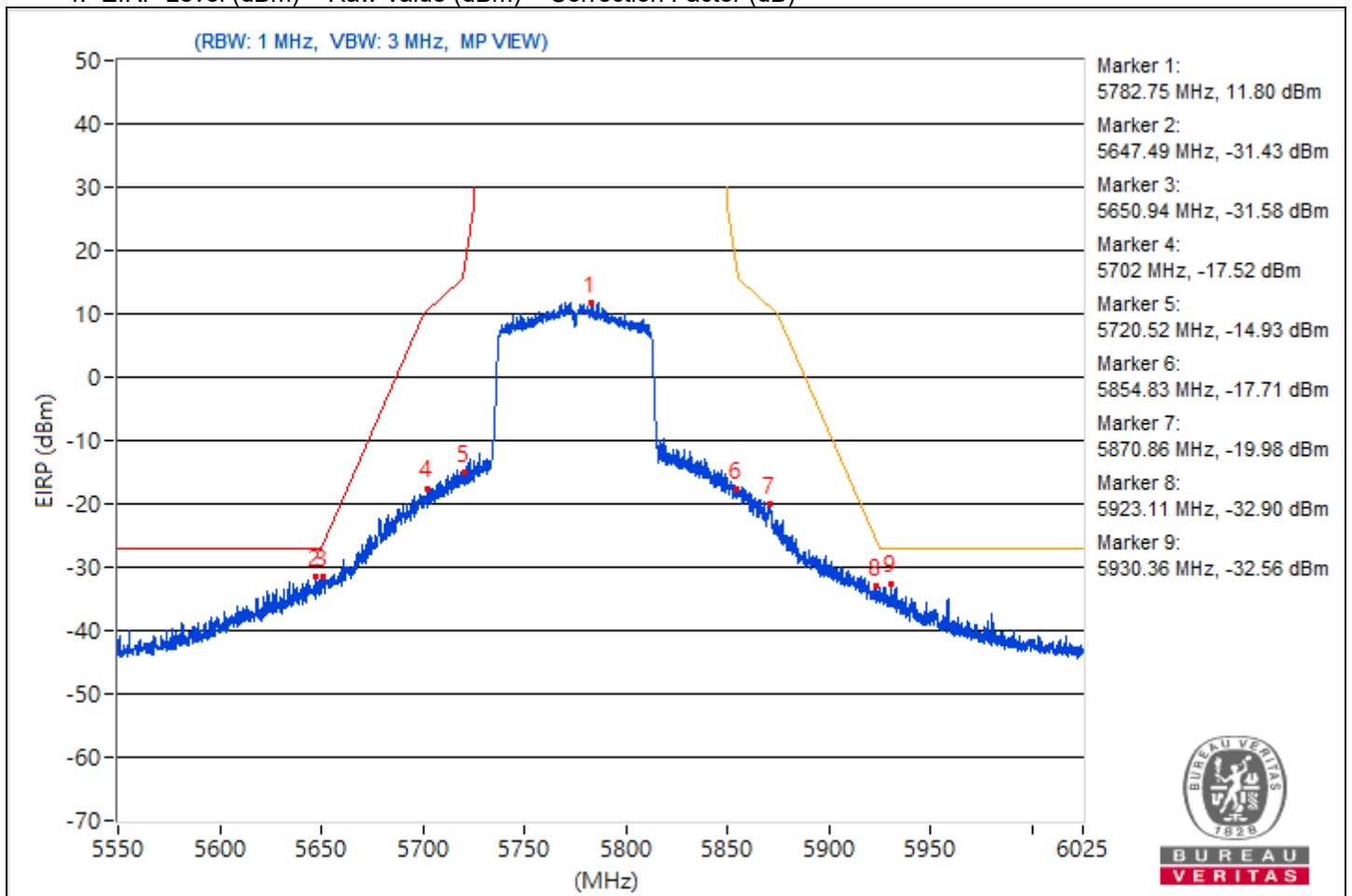


RF Mode	802.11ac (VHT80)	Channel	CH 155 : 5775 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5782.75	107.06	-	-	6.4	5.4	11.8
2	#5647.49	63.83	68.26	-4.43	-36.83	5.4	-31.43
3	#5650.94	63.68	68.95	-5.27	-36.98	5.4	-31.58
4	#5702	77.74	105.82	-28.08	-22.92	5.4	-17.52
5	#5720.52	80.33	112.06	-31.73	-20.33	5.4	-14.93
6	#5854.83	77.55	111.24	-33.69	-23.11	5.4	-17.71
7	#5870.86	75.28	106.42	-31.14	-25.38	5.4	-19.98
8	#5923.11	62.36	69.66	-7.3	-38.3	5.4	-32.9
9	#5930.36	62.7	68.26	-5.56	-37.96	5.4	-32.56

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

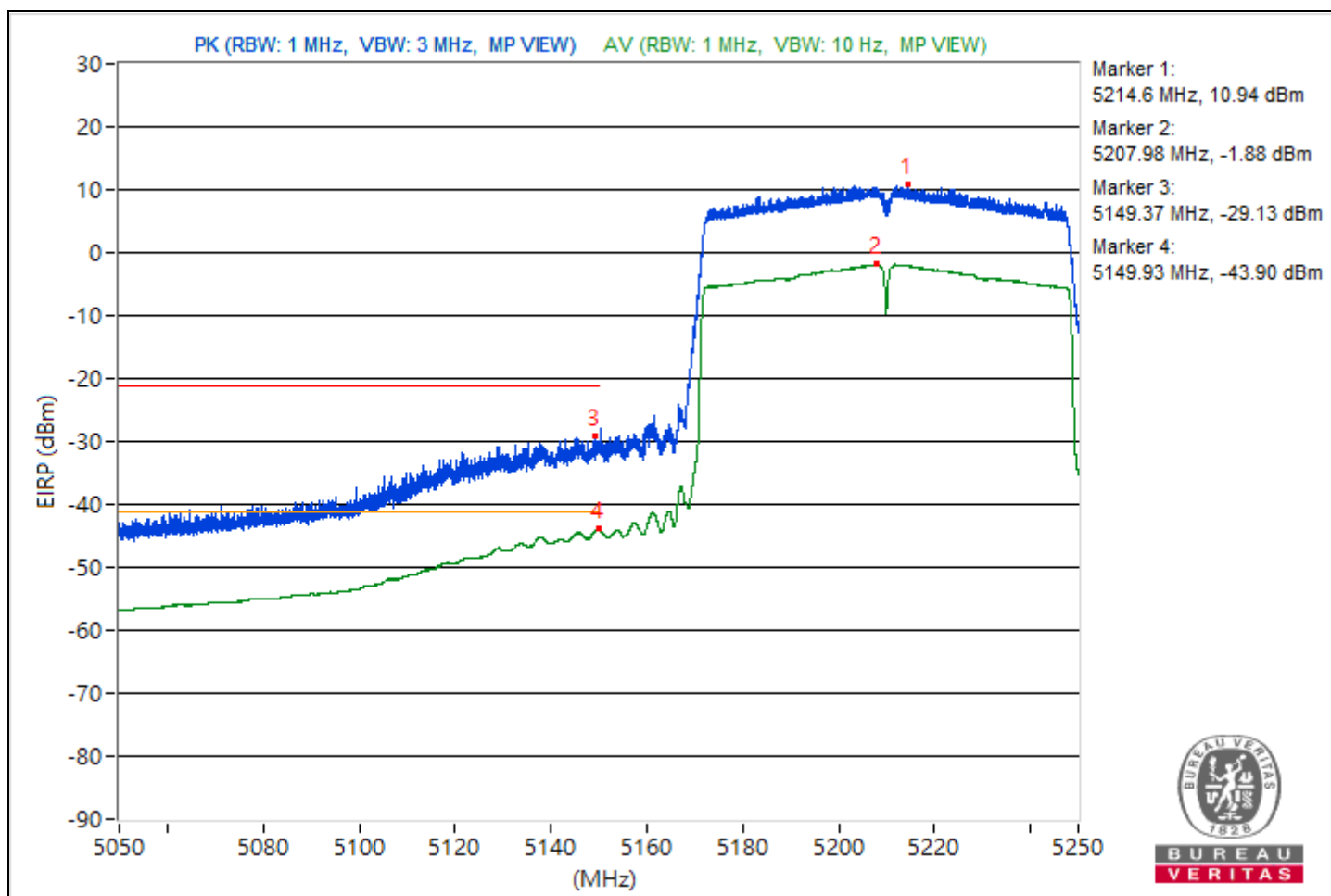


RF Mode	802.11ac (VHT80)	Channel	CH 42 : 5210 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5214.6	106.2 PK	-	-	5.54	5.4	10.94
2	*5207.98	93.38 AV	-	-	-7.28	5.4	-1.88
3	5149.37	66.13 PK	74	-7.87	-34.53	5.4	-29.13
4	5149.93	51.36 AV	54	-2.64	-49.3	5.4	-43.9

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

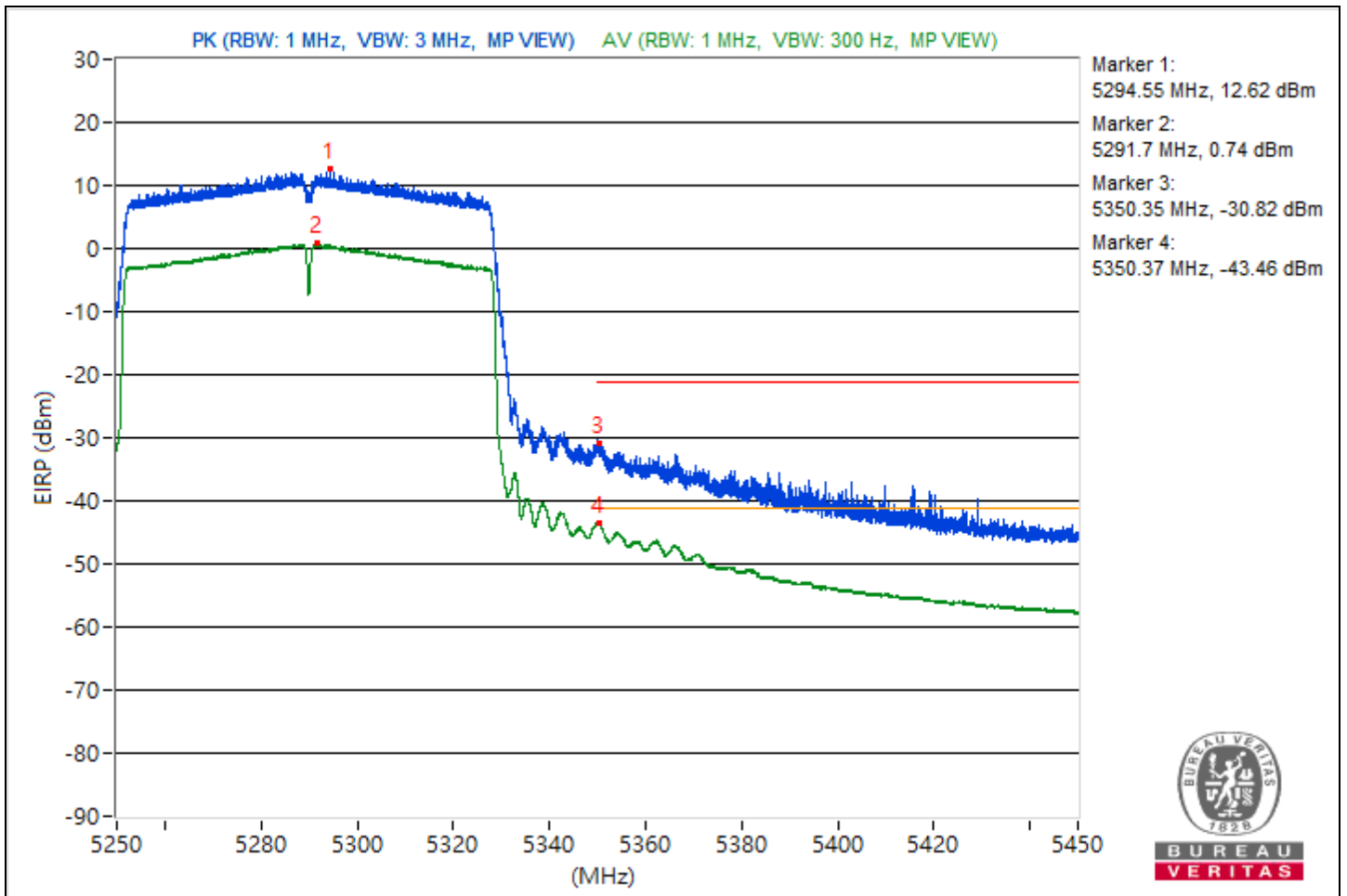


RF Mode	802.11ac (VHT80)	Channel	CH 58 : 5290 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5294.55	107.88 PK	-	-	7.12	5.5	12.62
2	*5291.7	96 AV	-	-	-4.76	5.5	0.74
3	5350.35	64.44 PK	74	-9.56	-36.32	5.5	-30.82
4	5350.37	51.8 AV	54	-2.2	-48.96	5.5	-43.46

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



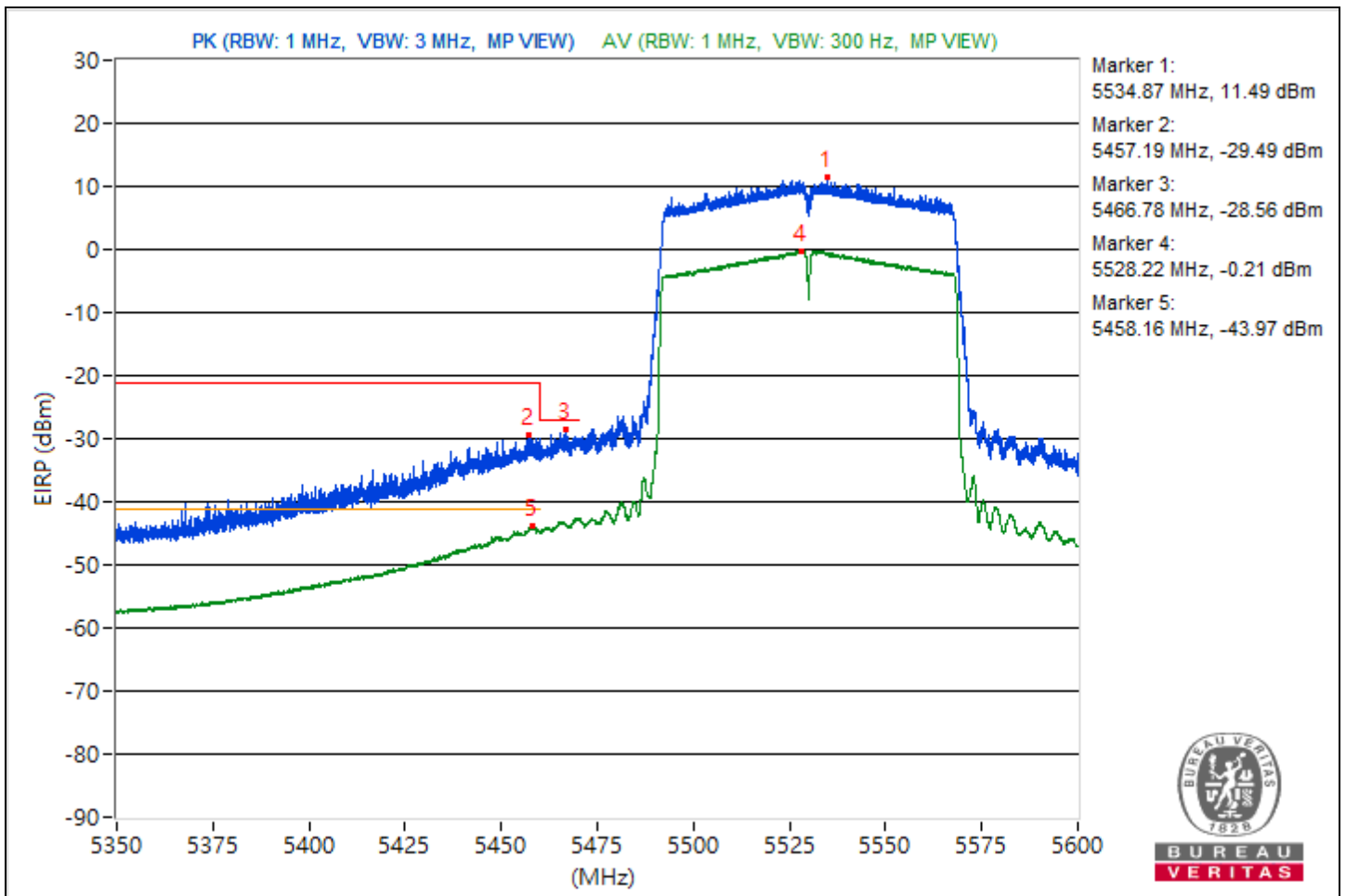


RF Mode	802.11ac (VHT80)	Channel	CH 106 : 5530 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5534.87	106.75 PK	-	-	5.89	5.6	11.49
2	5457.19	65.77 PK	74	-8.23	-35.09	5.6	-29.49
3	#5466.78	66.7 PK	68.26	-1.56	-34.16	5.6	-28.56
4	*5528.22	95.05 AV	-	-	-5.81	5.6	-0.21
5	5458.16	51.29 AV	54	-2.71	-49.57	5.6	-43.97

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

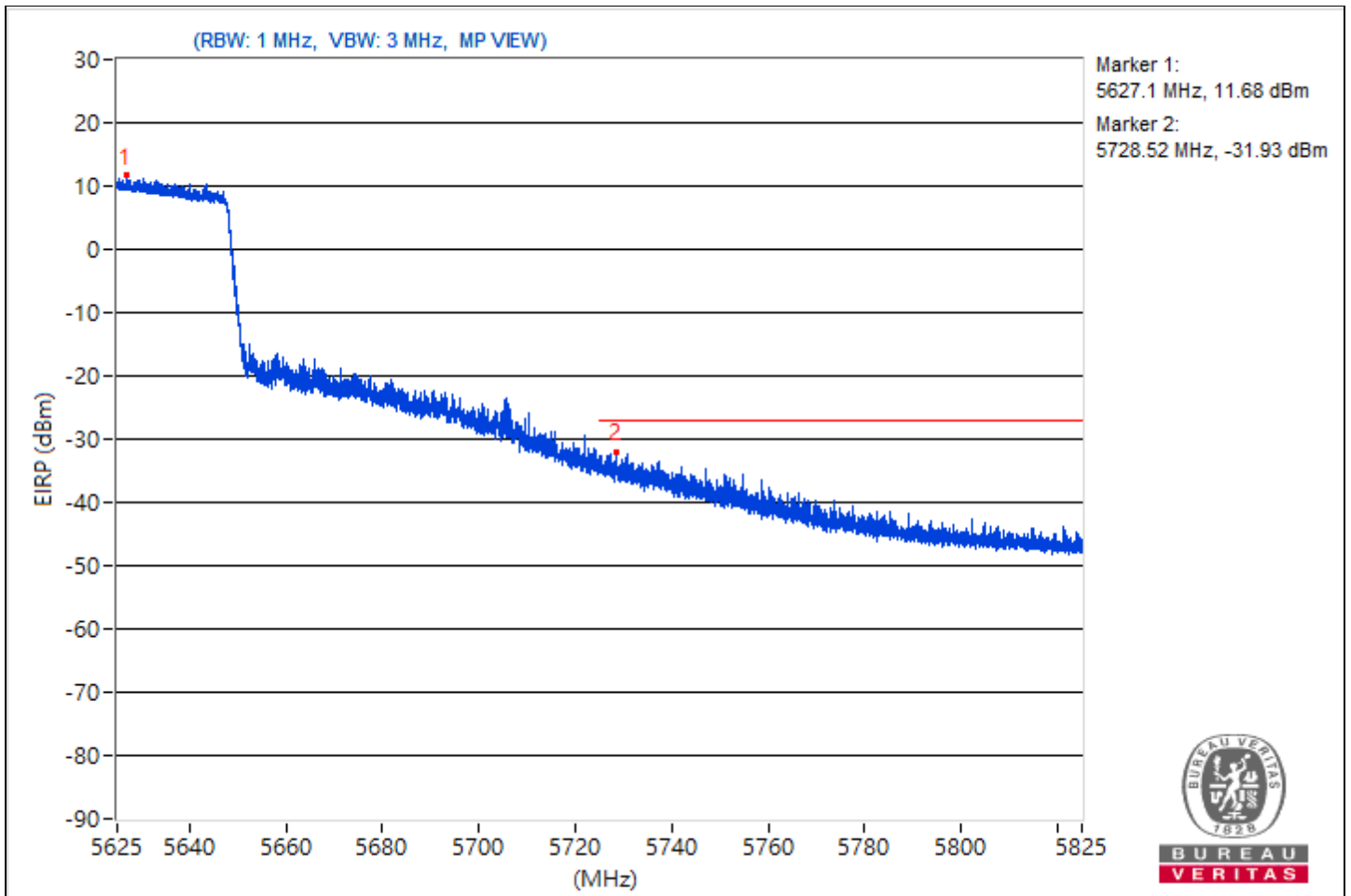


RF Mode	802.11ac (VHT80)	Channel	CH 122 : 5610 MHz
Frequency Range	5.625 GHz ~ 5.825 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5627.1	106.94	-	-	6.08	5.6	11.68
2	#5728.52	63.33	68.26	-4.93	-37.53	5.6	-31.93

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

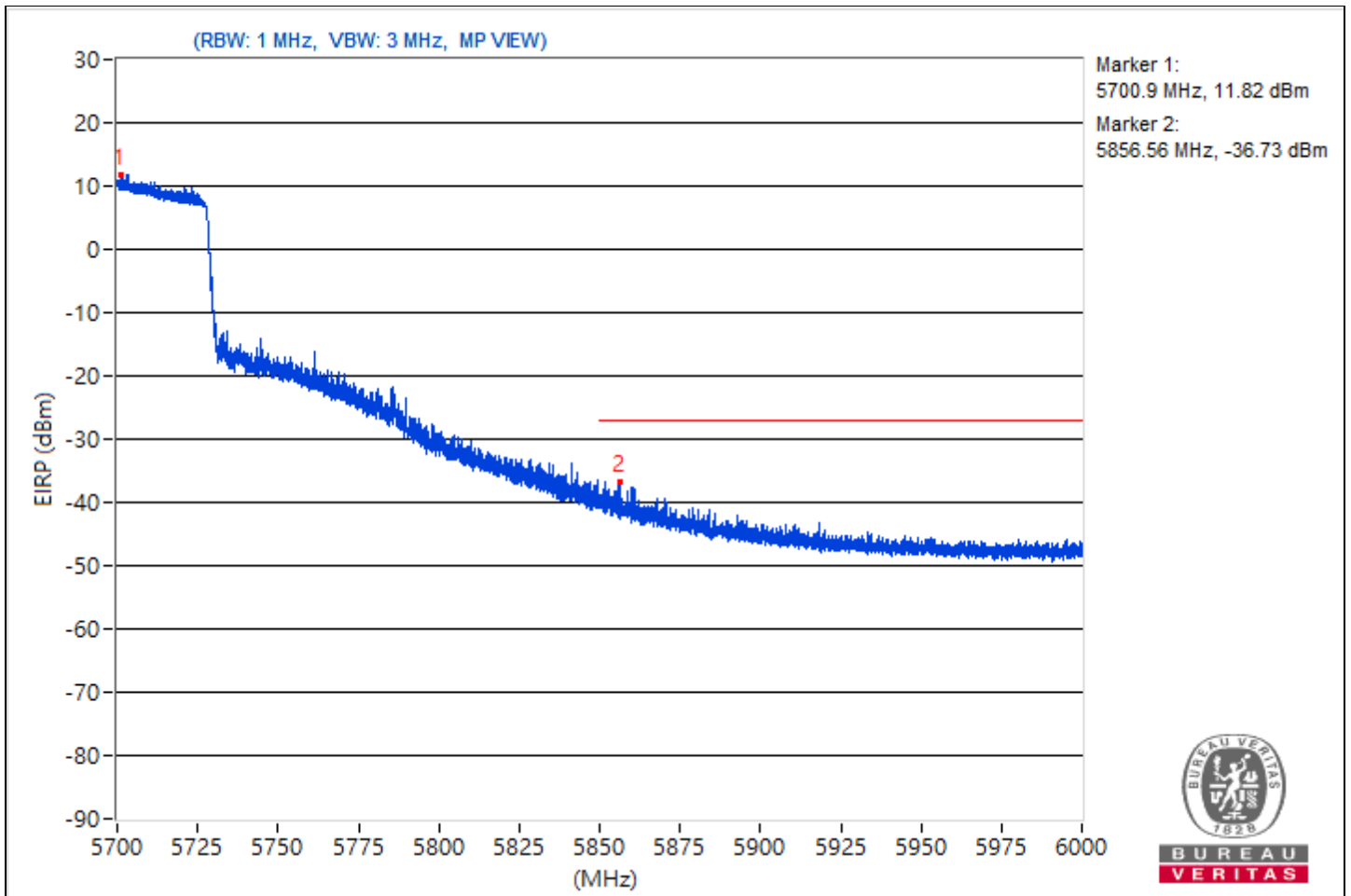


RF Mode	802.11ac (VHT80)	Channel	CH 138 : 5690 MHz
Frequency Range	5.7 GHz ~ 6 GHz	Input Power	3.3 Vdc
Environmental Conditions	25°C, 60% RH	Tested By	Rex Wang

Conducted Band Edge							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5700.9	107.08	-	-	6.22	5.6	11.82
2	#5856.56	58.53	68.26	-9.73	-42.33	5.6	-36.73

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



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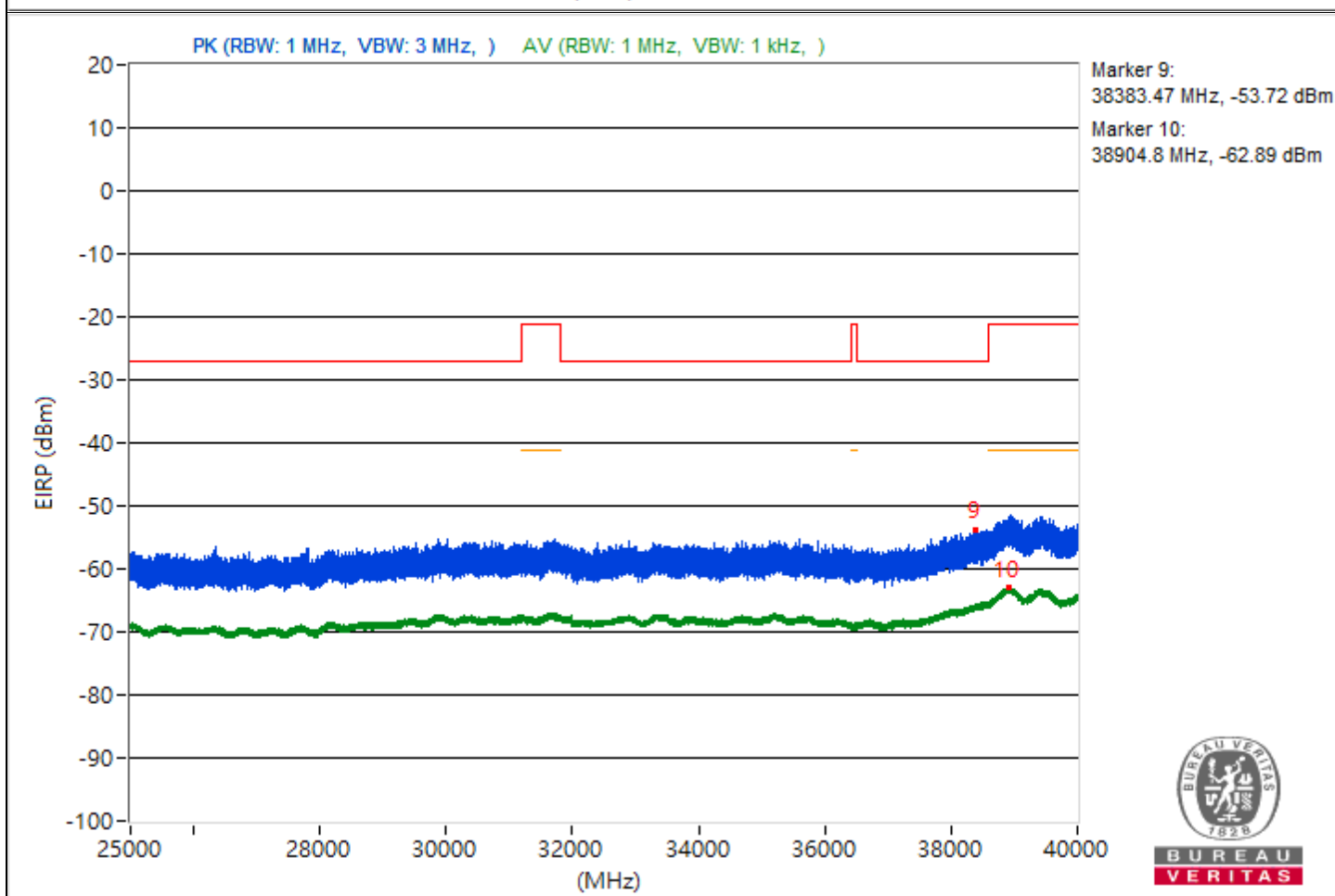
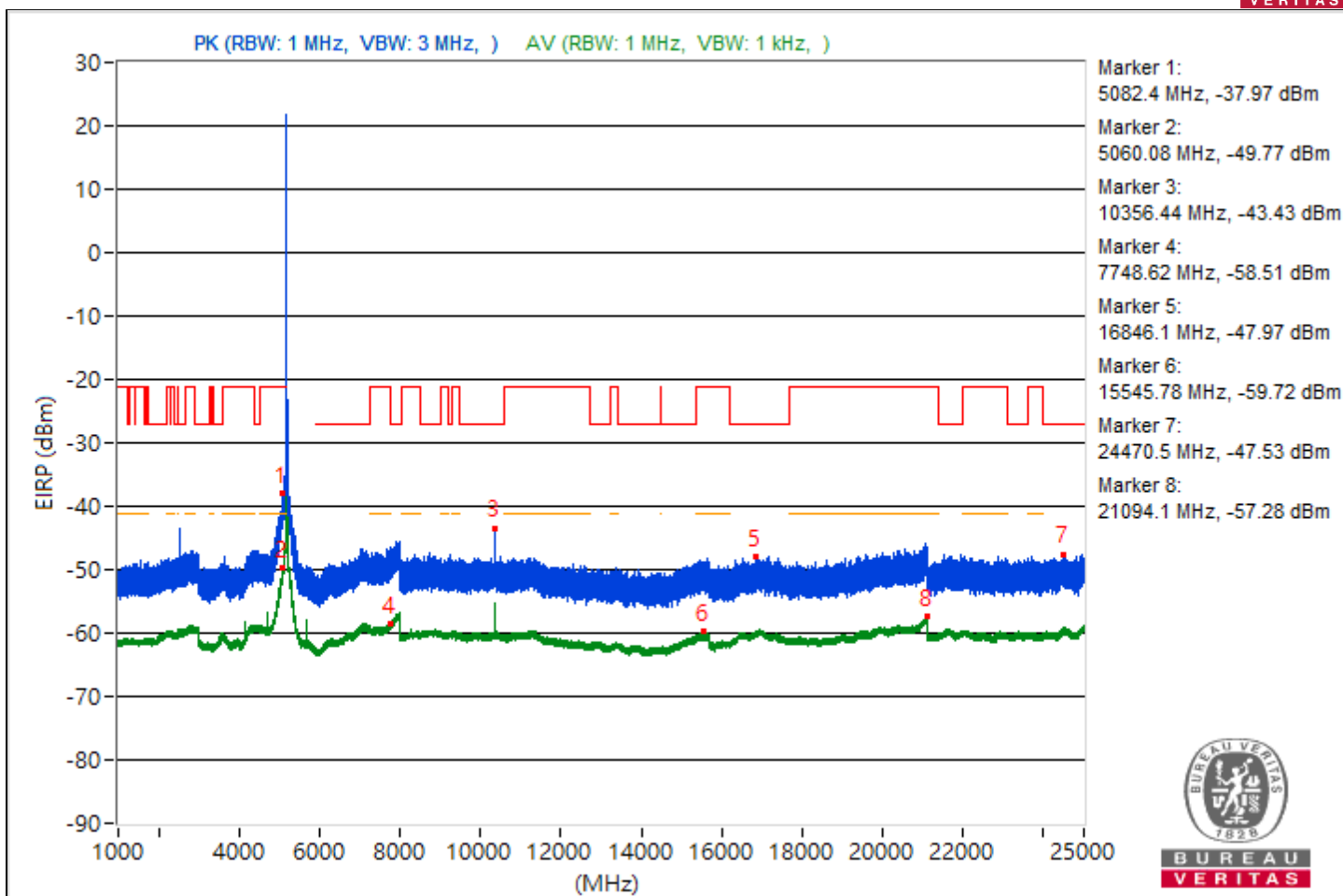
Conducted Unwanted Emissions

RF Mode	802.11ac (VHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	5082.4	57.29 PK	74	-16.71	-44.38	-50.7	5.5	-37.97
2	5060.08	45.49 AV	54	-8.51	-59.66	-57.24	5.5	-49.77
3	#10356.44	51.83 PK	68.26	-16.43	-55.19	-50.1	5.5	-43.43
4	7748.62	36.75 AV	54	-17.25	-67.08	-66.97	5.5	-58.51
5	#16846.1	47.29 PK	68.26	-20.97	-57.98	-55.37	5.5	-47.97
6	15545.78	35.54 AV	54	-18.46	-68.29	-68.17	5.5	-59.72
7	#24470.5	47.73 PK	68.26	-20.53	-54.71	-57.96	5.5	-47.53
8	21094.1	37.98 AV	54	-16.02	-65.59	-66	5.5	-57.28
9	#38383.47	41.54 PK	68.26	-26.72	-60.81	-64.35	5.5	-53.72
10	38904.8	32.37 AV	54	-21.63	-71.17	-71.65	5.5	-62.89

Notes:

1. Margin value = Emission Level - Limit value
2. "#": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

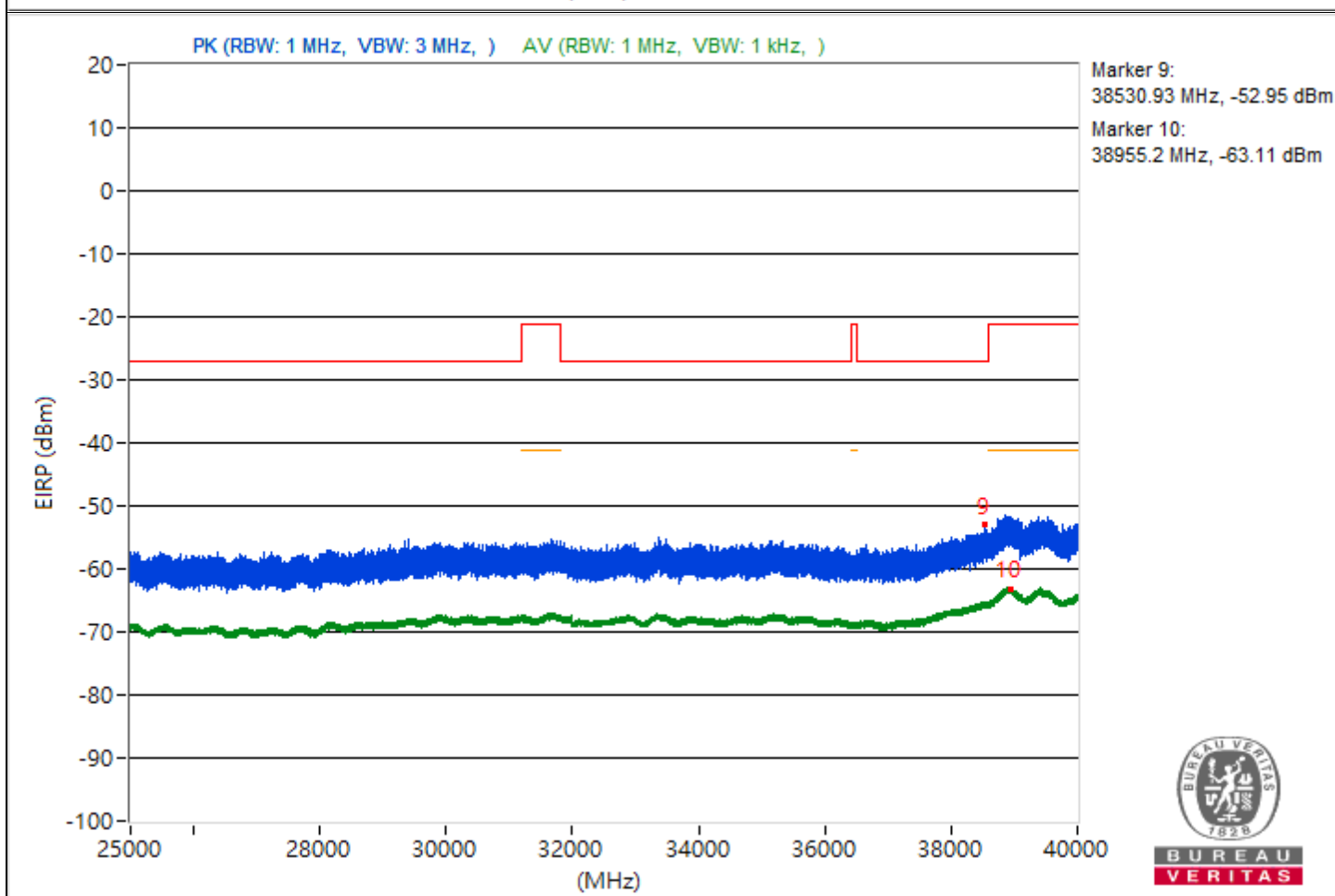
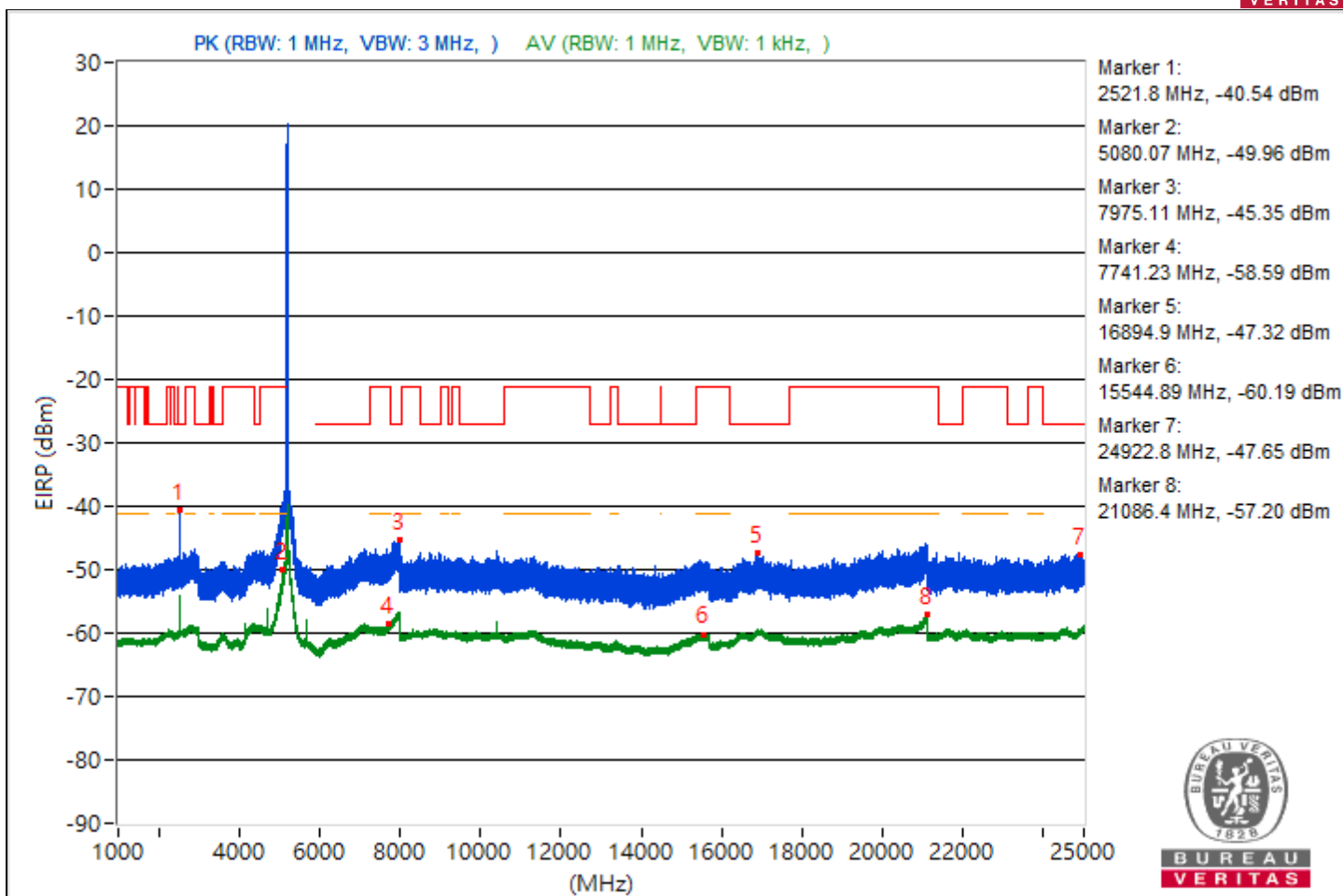


RF Mode	802.11ac (VHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2521.8	54.72 PK	68.26	-13.54	-57.57	-46.35	5.5	-40.54
2	5080.07	45.3 AV	54	-8.7	-59.49	-57.65	5.5	-49.96
3	#7975.11	49.91 PK	68.26	-18.35	-52.51	-55.82	5.5	-45.35
4	7741.23	36.67 AV	54	-17.33	-66.85	-67.37	5.5	-58.59
5	#16894.9	47.94 PK	68.26	-20.32	-54.32	-58.17	5.5	-47.32
6	15544.89	35.07 AV	54	-18.93	-68.14	-69.34	5.5	-60.19
7	#24922.8	47.61 PK	68.26	-20.65	-58.48	-54.66	5.5	-47.65
8	21086.4	38.06 AV	54	-15.94	-65.66	-65.77	5.5	-57.2
9	#38530.93	42.31 PK	68.26	-25.95	-60.1	-63.45	5.5	-52.95
10	38955.2	32.15 AV	54	-21.85	-72.11	-71.19	5.5	-63.11

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

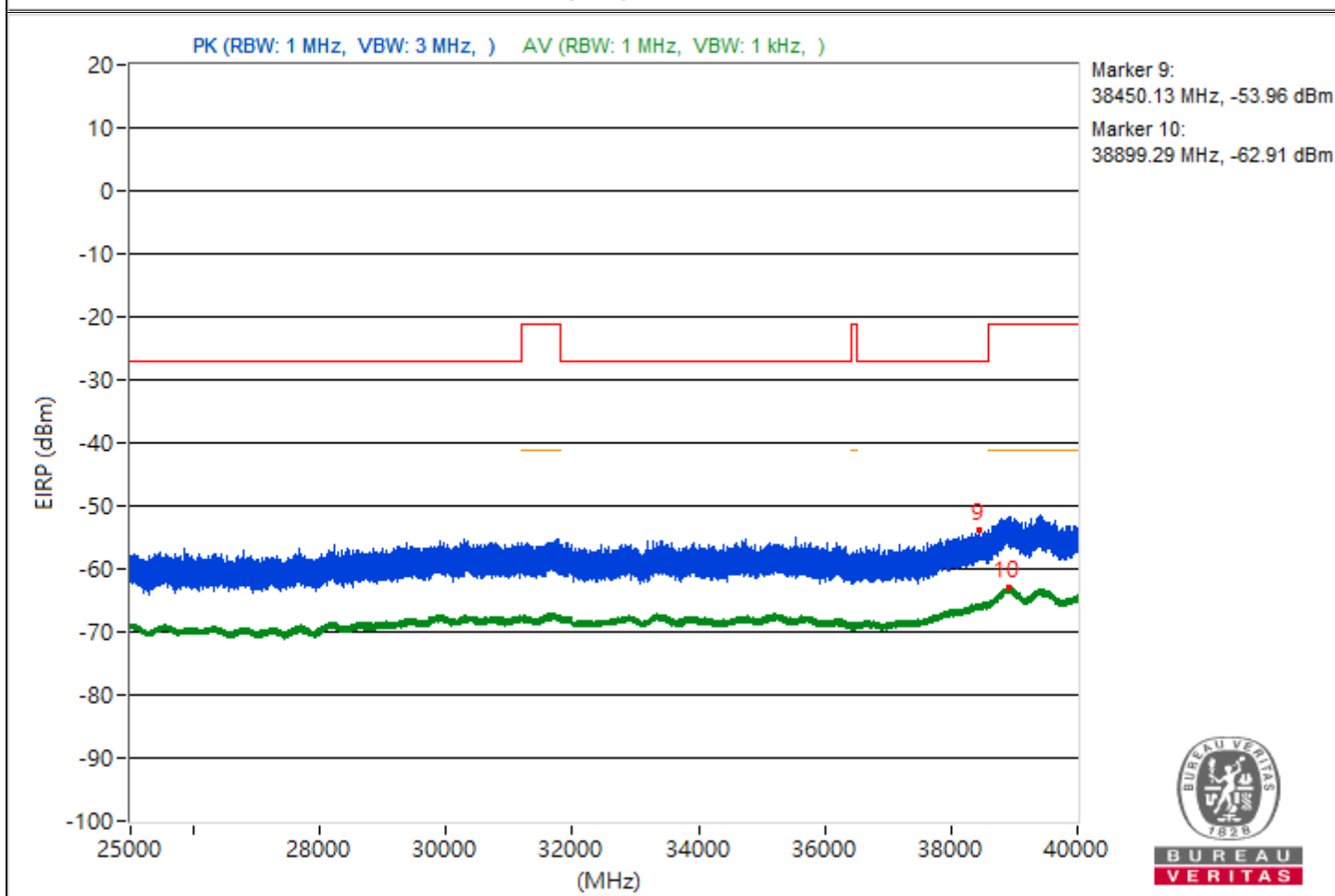
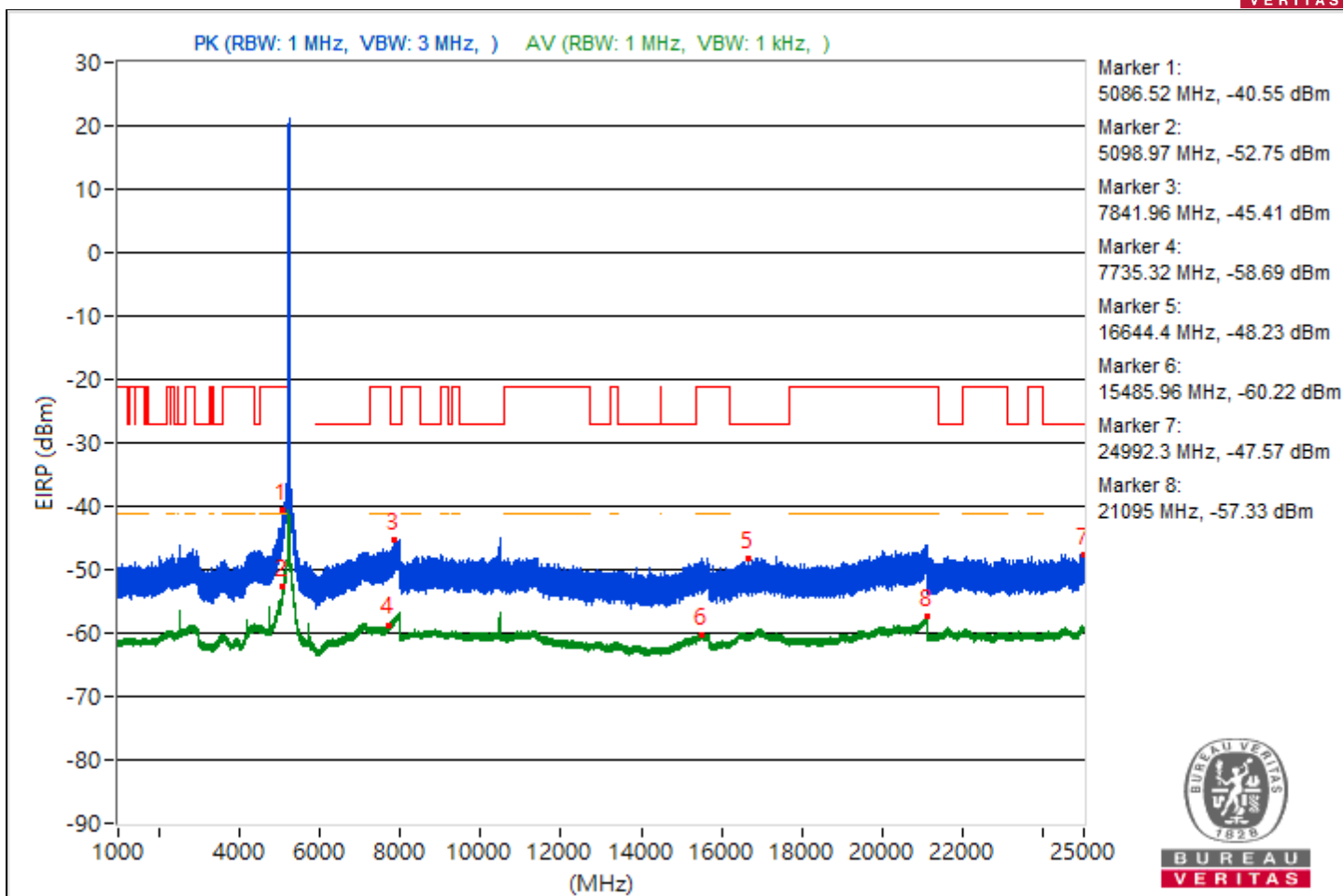


RF Mode	802.11ac (VHT20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5086.52	54.71 PK	74	-19.29	-52.71	-47.11	5.5	-40.55
2	5098.97	42.51 AV	54	-11.49	-62.14	-60.54	5.5	-52.75
3	#7841.96	49.85 PK	68.26	-18.41	-55.11	-52.98	5.5	-45.41
4	7735.32	36.57 AV	54	-17.43	-67.02	-67.38	5.5	-58.69
5	#16644.4	47.03 PK	68.26	-21.23	-61.47	-54.52	5.5	-48.23
6	15485.96	35.04 AV	54	-18.96	-69.2	-68.31	5.5	-60.22
7	#24992.3	47.69 PK	68.26	-20.57	-58.31	-54.62	5.5	-47.57
8	21095	37.93 AV	54	-16.07	-65.46	-66.26	5.5	-57.33
9	#38450.13	41.3 PK	68.26	-26.96	-61.1	-64.48	5.5	-53.96
10	38899.29	32.35 AV	54	-21.65	-71.66	-71.19	5.5	-62.91

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

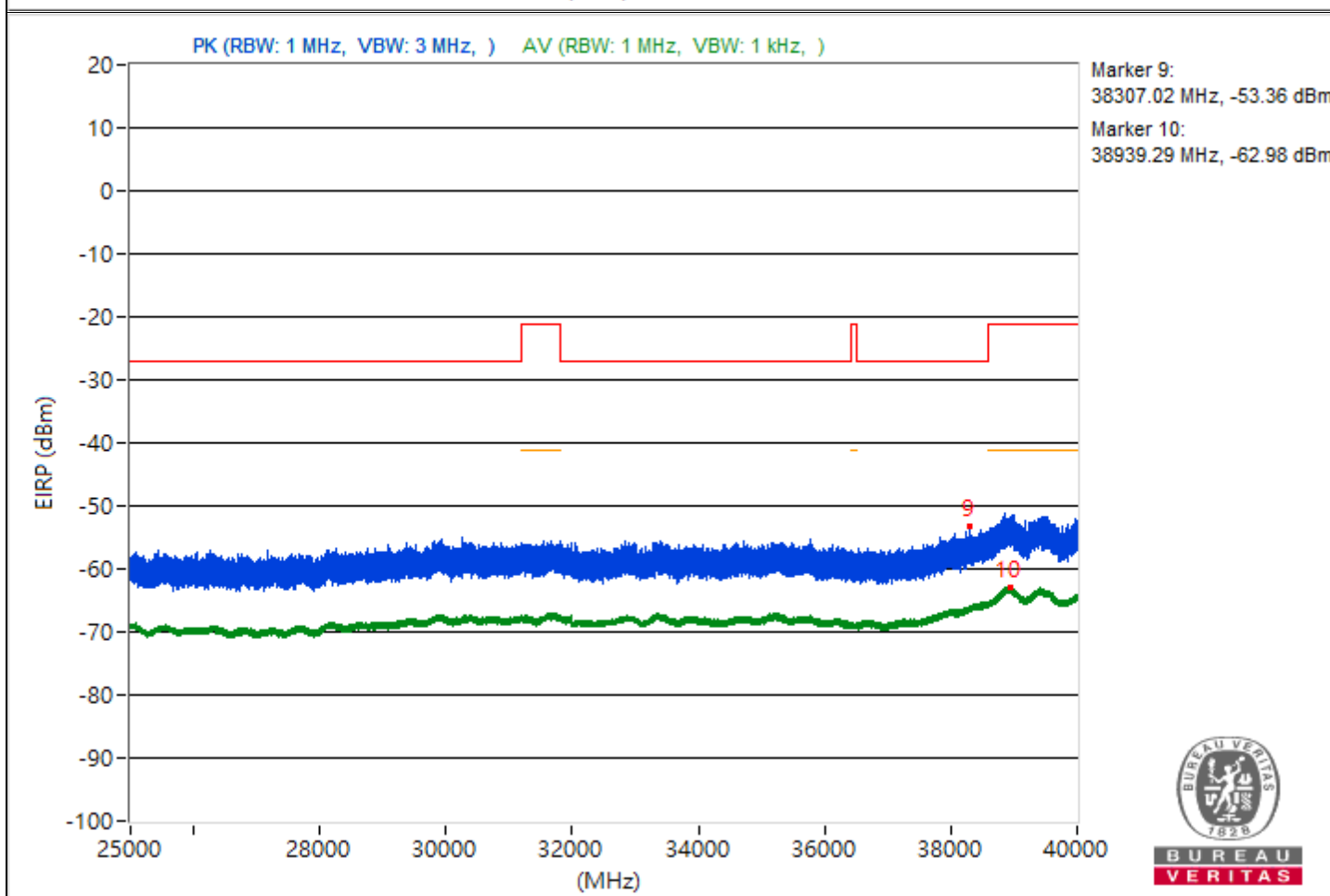
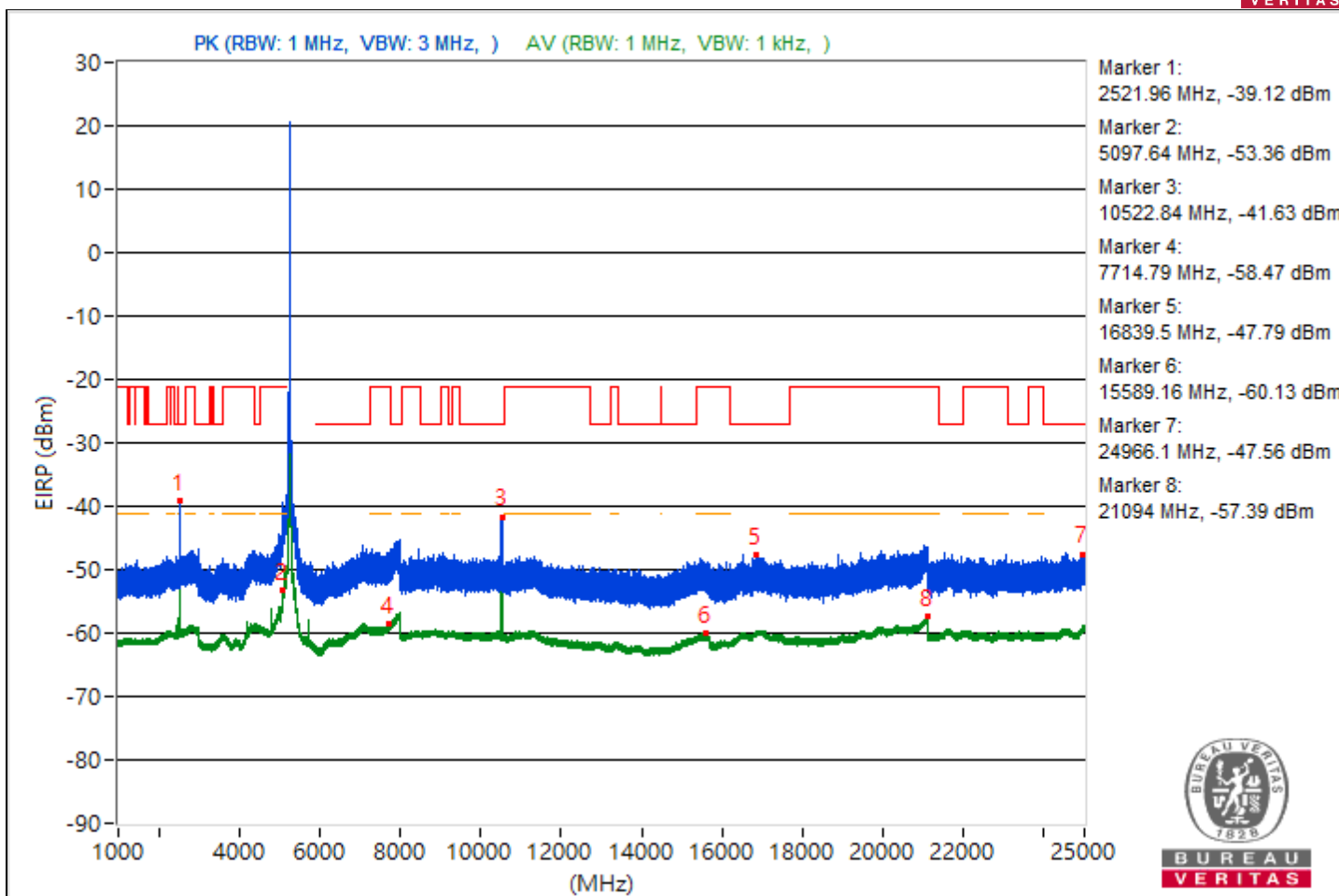


RF Mode	802.11ac (VHT20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2521.96	56.14 PK	68.26	-12.12	-55.29	-45.01	5.5	-39.12
2	5097.64	41.9 AV	54	-12.1	-62.62	-61.24	5.5	-53.36
3	#10522.84	53.63 PK	68.26	-14.63	-48.95	-51.8	5.5	-41.63
4	7714.79	36.79 AV	54	-17.21	-67.05	-66.91	5.5	-58.47
5	#16839.5	47.47 PK	68.26	-20.79	-59.47	-54.49	5.5	-47.79
6	15589.16	35.13 AV	54	-18.87	-68.2	-69.14	5.5	-60.13
7	#24966.1	47.7 PK	68.26	-20.56	-58.69	-54.45	5.5	-47.56
8	21094	37.87 AV	54	-16.13	-65.58	-66.24	5.5	-57.39
9	#38307.02	41.9 PK	68.26	-26.36	-60.31	-64.34	5.5	-53.36
10	38939.29	32.28 AV	54	-21.72	-71.12	-71.89	5.5	-62.98

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

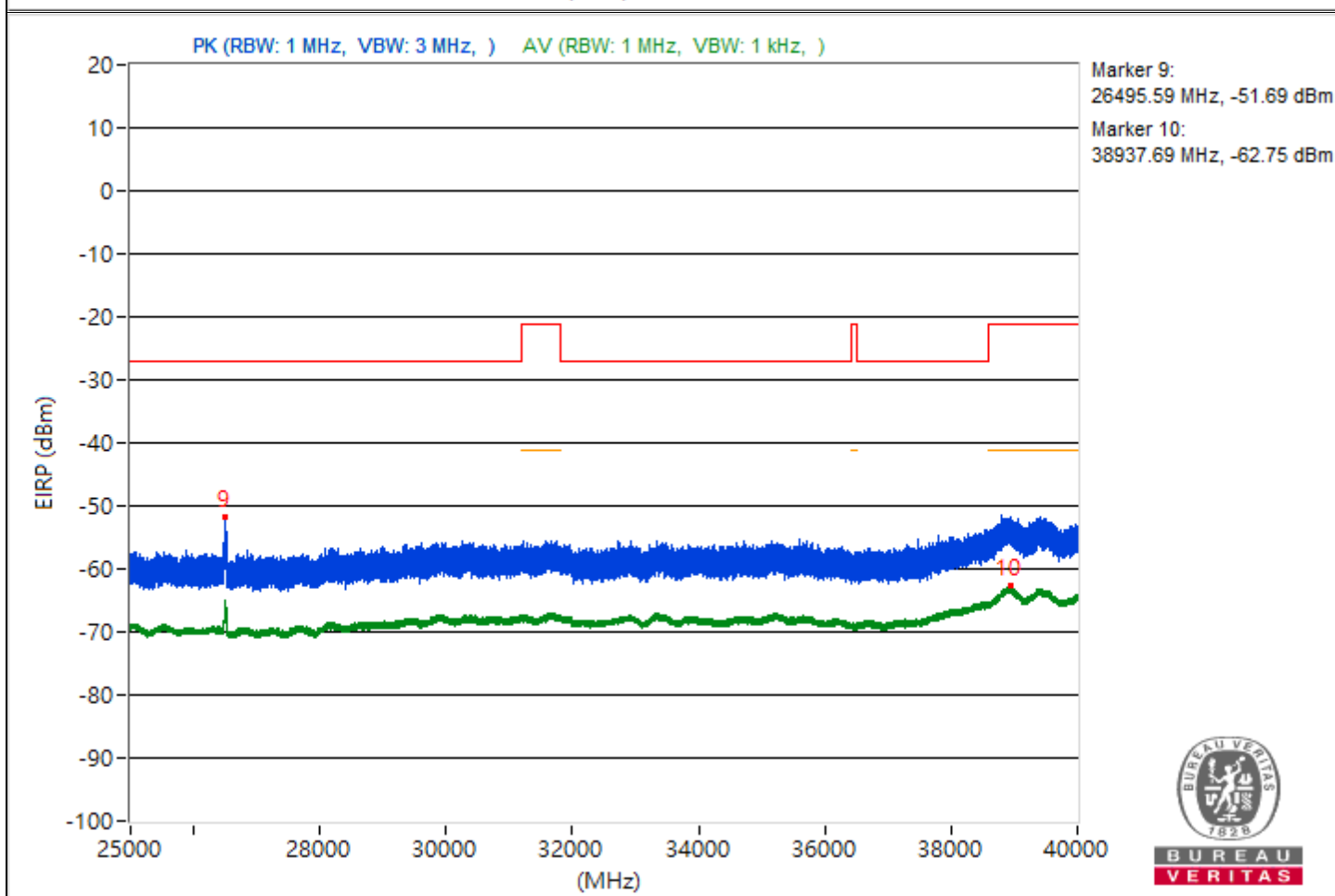
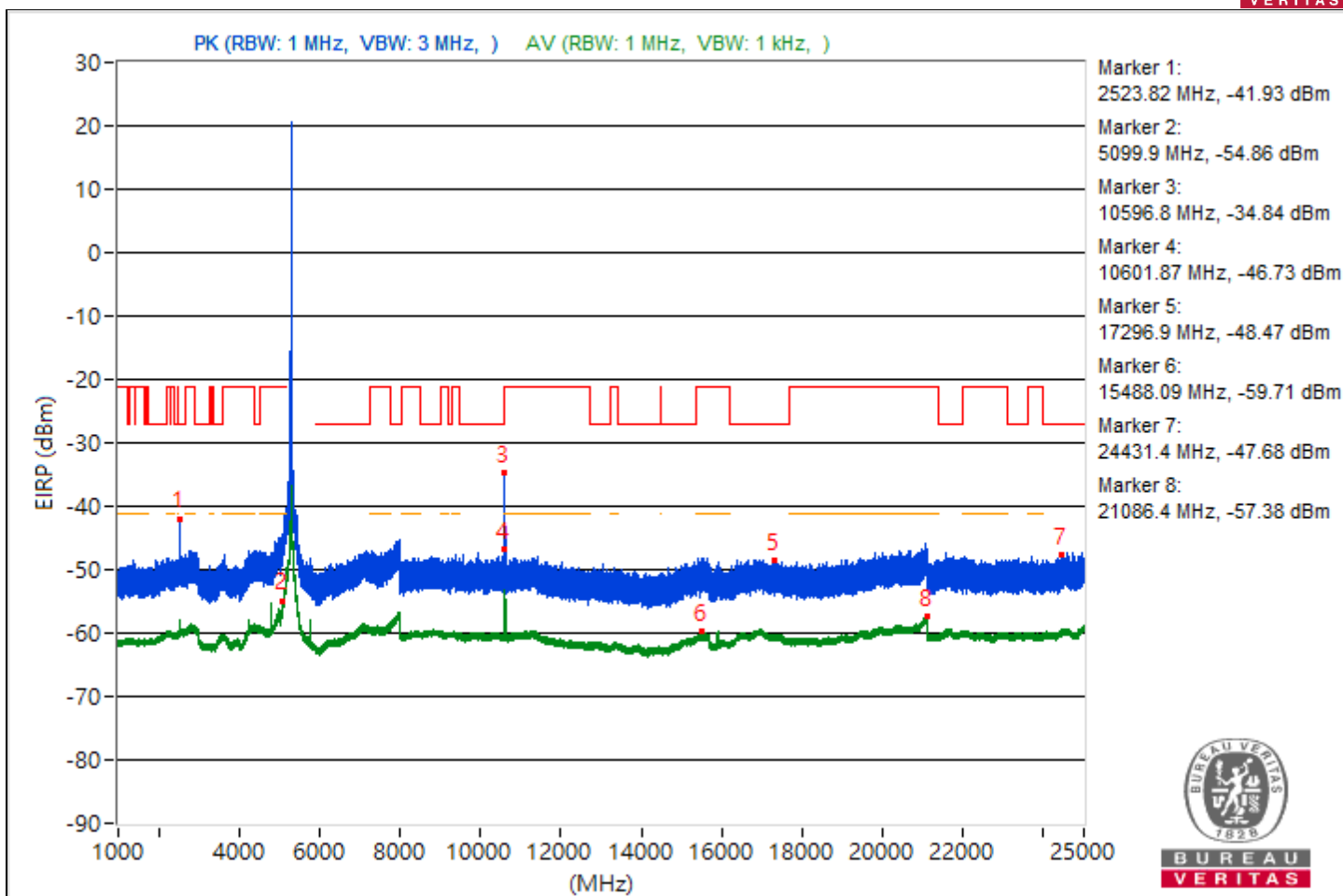


RF Mode	802.11ac (VHT20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2523.82	53.33 PK	68.26	-14.93	-56.74	-47.97	5.5	-41.93
2	5099.9	40.4 AV	54	-13.6	-65.23	-62.07	5.5	-54.86
3	#10596.8	60.42 PK	68.26	-7.84	-45.27	-42.02	5.5	-34.84
4	10601.87	48.53 AV	54	-5.47	-55.35	-55.12	5.5	-46.73
5	#17296.9	46.79 PK	68.26	-21.47	-59.65	-55.33	5.5	-48.47
6	15488.09	35.55 AV	54	-18.45	-68.28	-68.16	5.5	-59.71
7	#24431.4	47.58 PK	68.26	-20.68	-58.93	-54.52	5.5	-47.68
8	21086.4	37.88 AV	54	-16.12	-65.51	-66.3	5.5	-57.38
9	#26495.59	43.57 PK	68.26	-24.69	-65.06	-57.96	5.5	-51.69
10	38937.69	32.51 AV	54	-21.49	-71.08	-71.45	5.5	-62.75

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

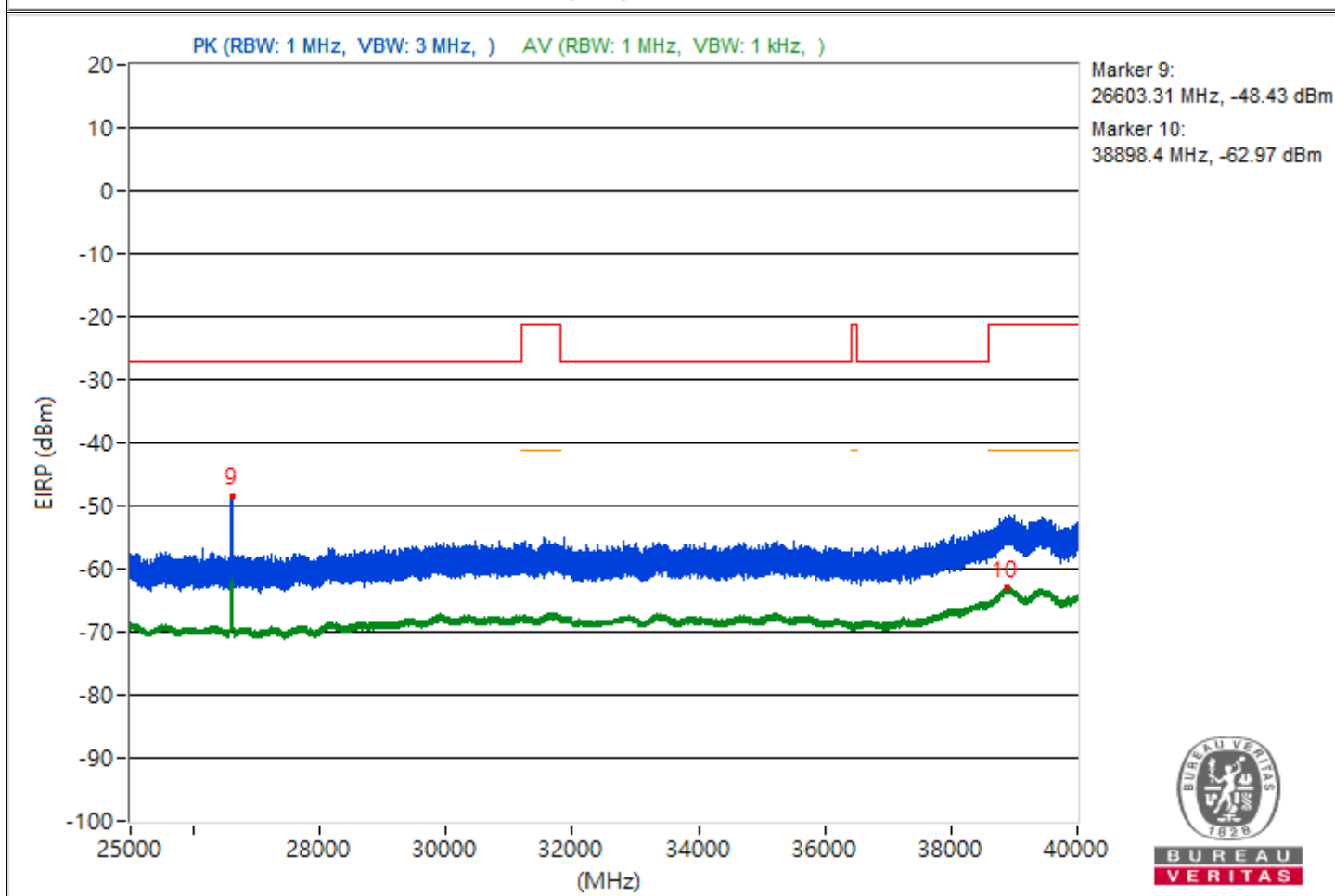
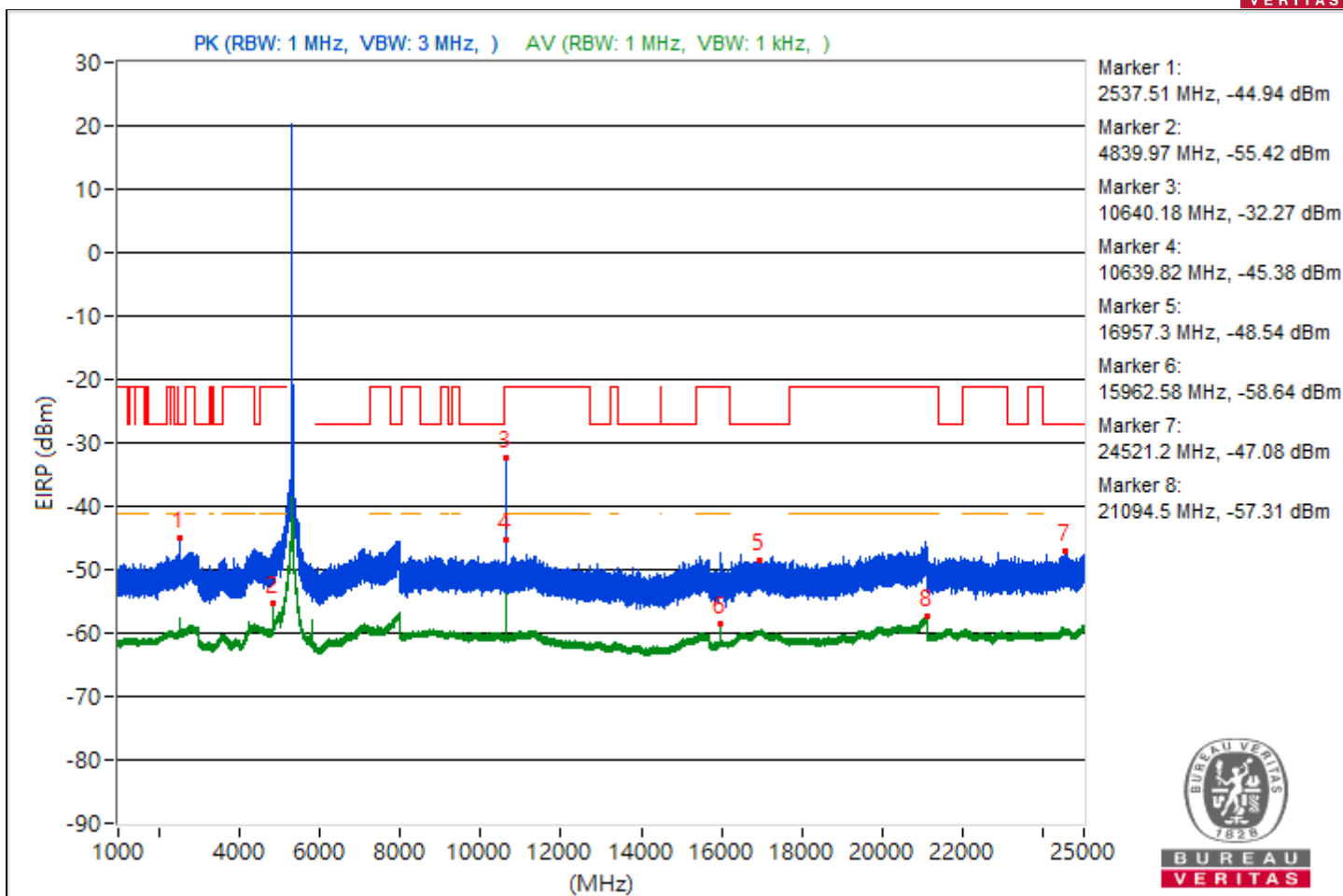


RF Mode	802.11ac (VHT20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2537.51	50.32 PK	68.26	-17.94	-58.81	-51.13	5.5	-44.94
2	4839.97	39.84 AV	54	-14.16	-61.89	-67.94	5.5	-55.42
3	10640.18	62.99 PK	74	-11.01	-38.72	-44.83	5.5	-32.27
4	10639.82	49.88 AV	54	-4.12	-53.86	-53.93	5.5	-45.38
5	#16957.3	46.72 PK	68.26	-21.54	-55.26	-60.13	5.5	-48.54
6	15962.58	36.62 AV	54	-17.38	-67.25	-67.05	5.5	-58.64
7	#24521.2	48.18 PK	68.26	-20.08	-58.18	-53.98	5.5	-47.08
8	21094.5	37.95 AV	54	-16.05	-65.35	-66.36	5.5	-57.31
9	#26603.31	46.83 PK	68.26	-21.43	-59.16	-55.48	5.5	-48.43
10	38898.4	32.29 AV	54	-21.71	-71.12	-71.87	5.5	-62.97

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

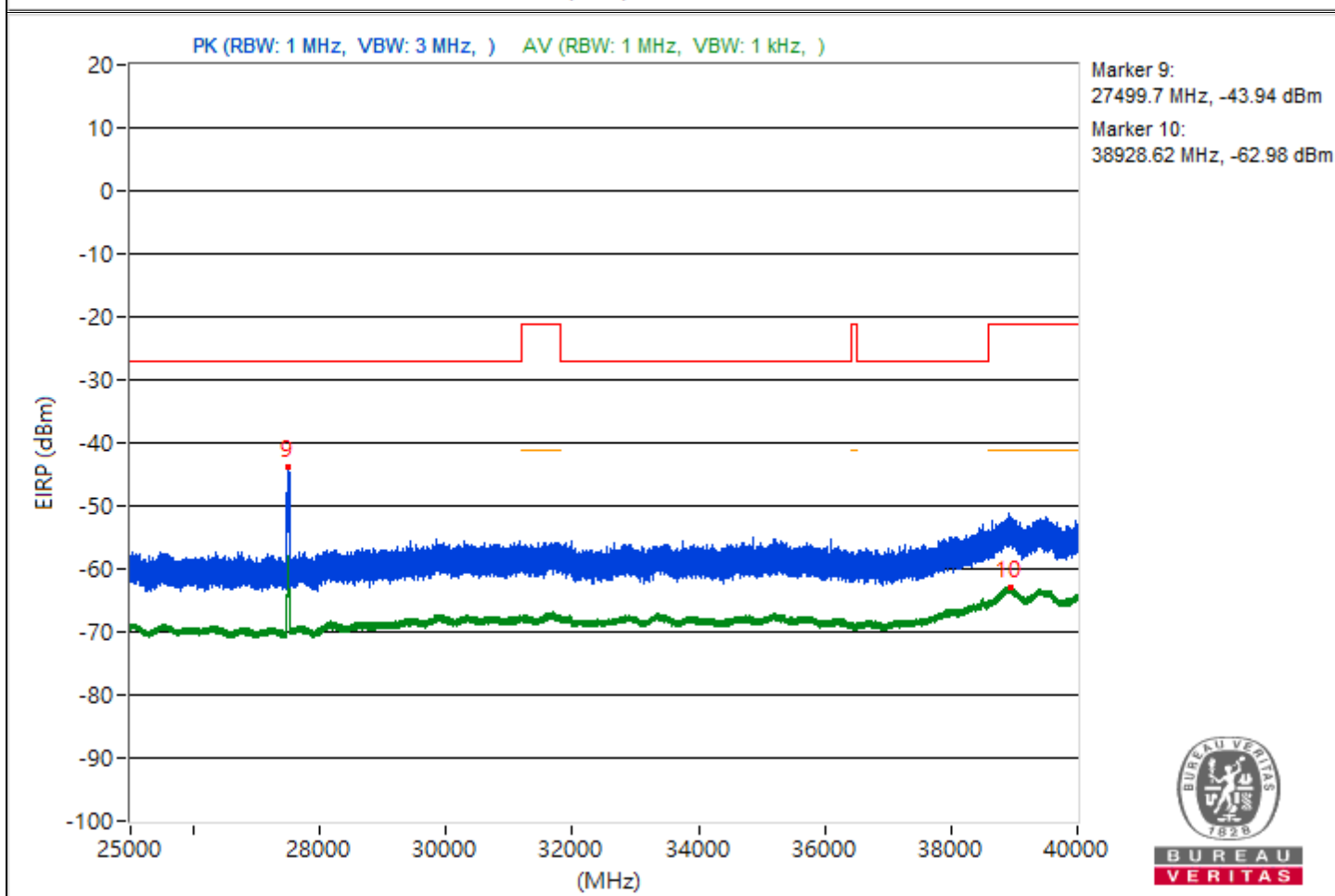
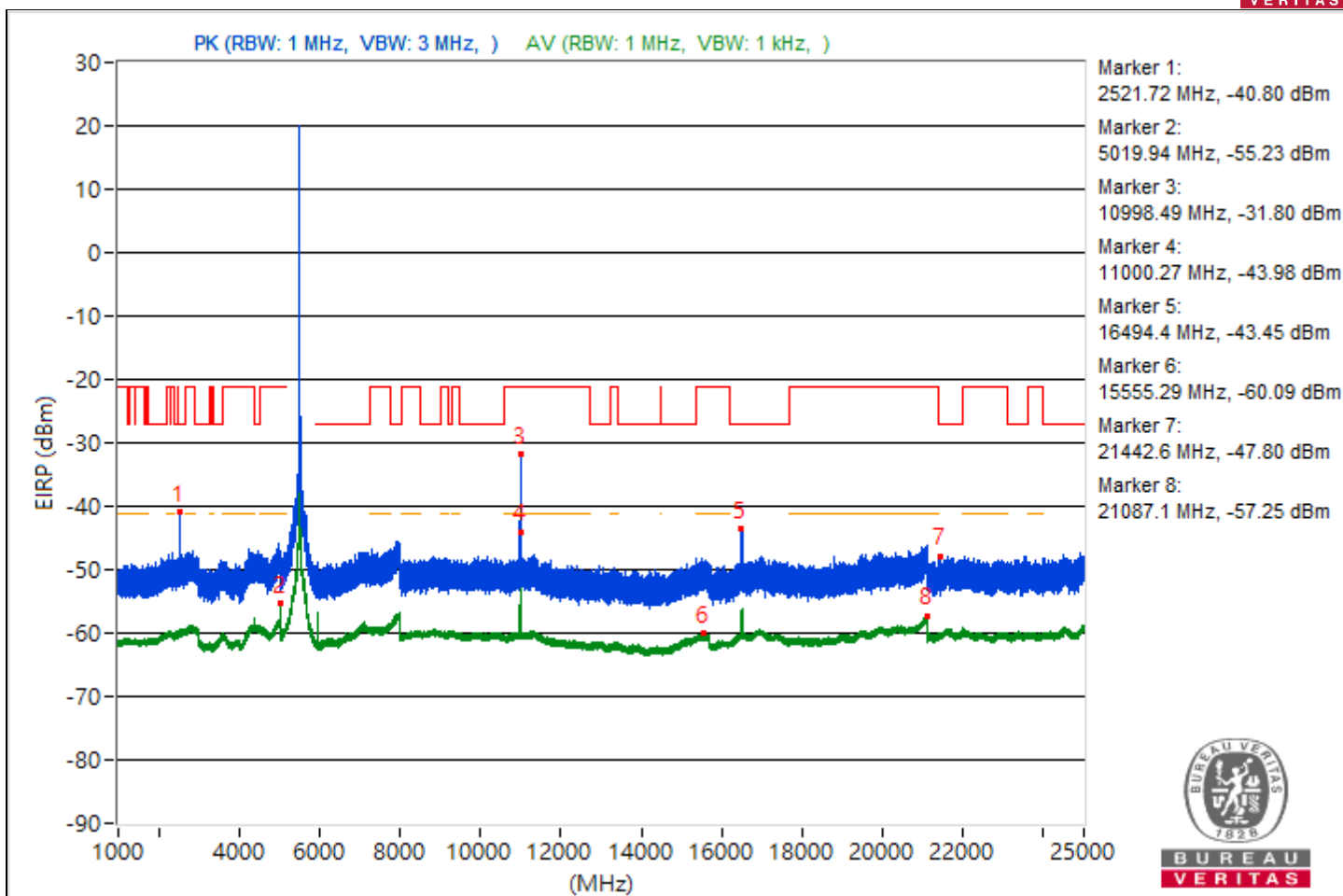


RF Mode	802.11ac (VHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2521.72	54.46 PK	68.26	-13.8	-58.27	-46.58	5.5	-40.8
2	5019.94	40.03 AV	54	-13.97	-61.46	-68.81	5.5	-55.23
3	10998.49	63.46 PK	74	-10.54	-45.25	-38.06	5.5	-31.8
4	11000.27	51.28 AV	54	-2.72	-53.21	-51.87	5.5	-43.98
5	#16494.4	51.81 PK	68.26	-16.45	-57.46	-49.61	5.5	-43.45
6	15555.29	35.17 AV	54	-18.83	-68.34	-68.88	5.5	-60.09
7	#21442.6	47.46 PK	68.26	-20.8	-58.66	-54.79	5.5	-47.8
8	21087.1	38.01 AV	54	-15.99	-66.2	-65.37	5.5	-57.25
9	#27499.7	51.32 PK	68.26	-16.94	-58.15	-50.06	5.5	-43.94
10	38928.62	32.28 AV	54	-21.72	-71.71	-71.28	5.5	-62.98

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

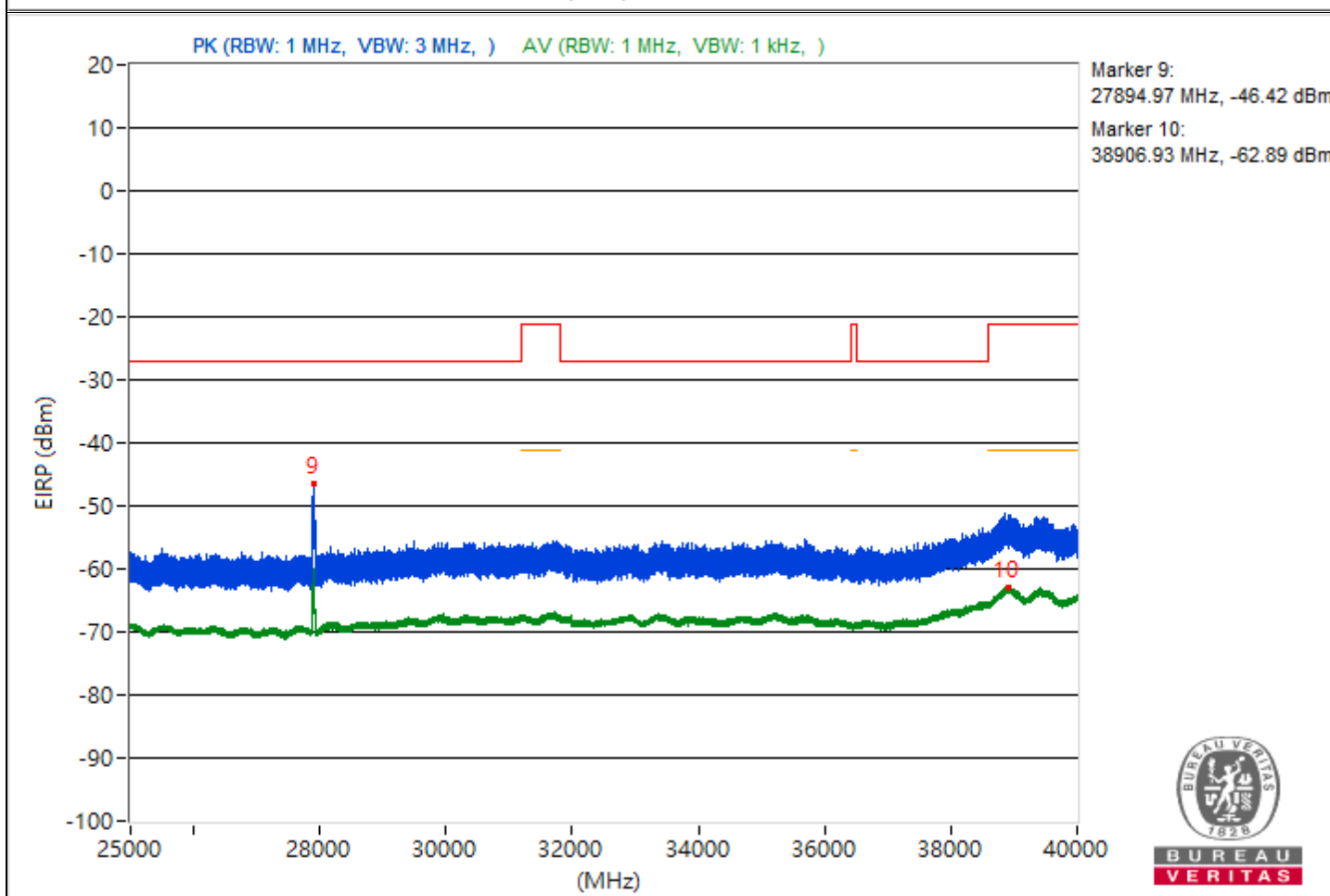
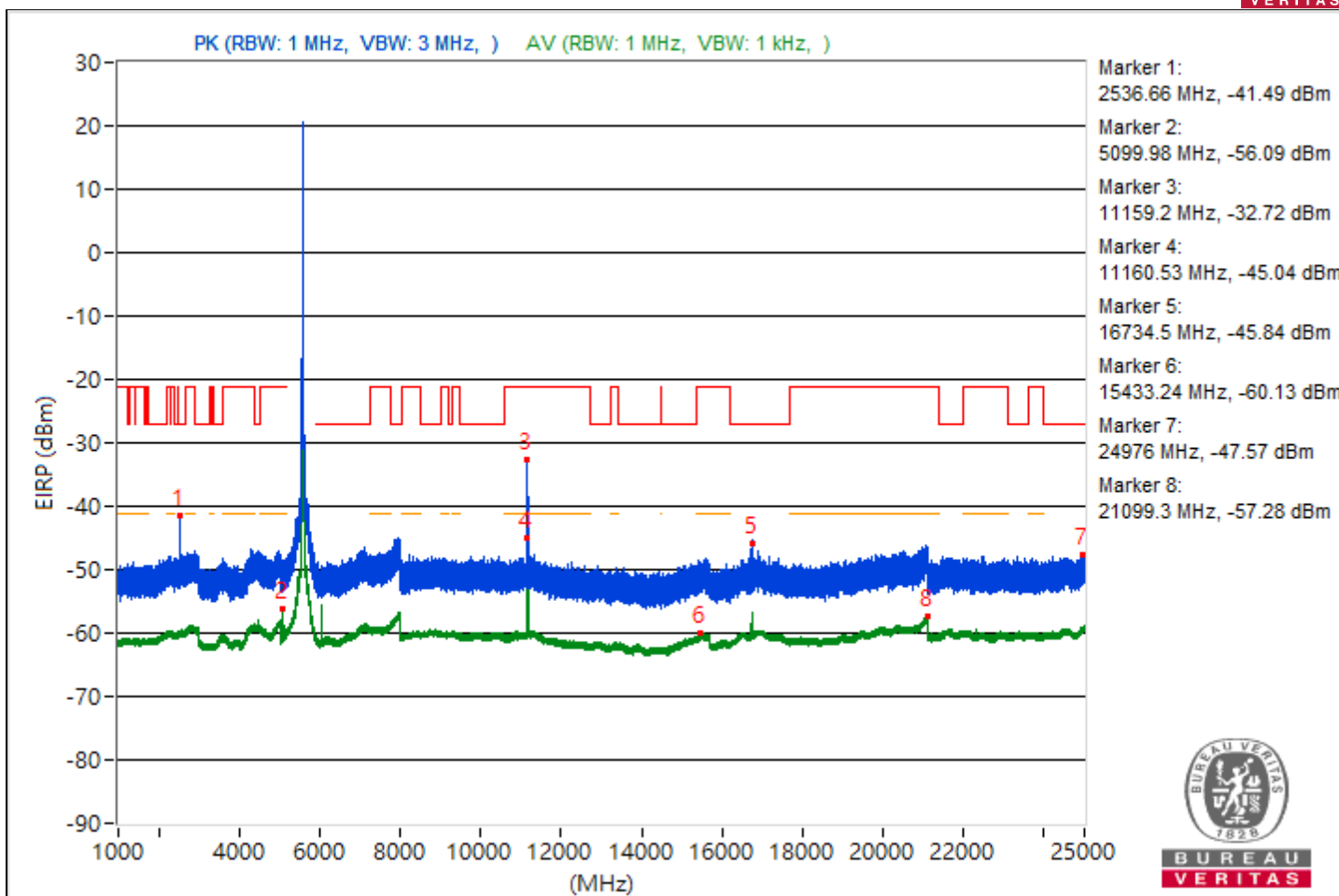


RF Mode	802.11ac (VHT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2536.66	53.77 PK	68.26	-14.49	-57.21	-47.43	5.5	-41.49
2	5099.98	39.17 AV	54	-14.83	-62.49	-68.87	5.5	-56.09
3	11159.2	62.54 PK	74	-11.46	-44.43	-39.41	5.5	-32.72
4	11160.53	50.22 AV	54	-3.78	-55.11	-52.4	5.5	-45.04
5	#16734.5	49.42 PK	68.26	-18.84	-58.35	-52.3	5.5	-45.84
6	15433.24	35.13 AV	54	-18.87	-68.93	-68.36	5.5	-60.13
7	#24976	47.69 PK	68.26	-20.57	-54.41	-58.83	5.5	-47.57
8	21099.3	37.98 AV	54	-16.02	-65.96	-65.62	5.5	-57.28
9	#27894.97	48.84 PK	68.26	-19.42	-55.72	-54.25	5.5	-46.42
10	38906.93	32.37 AV	54	-21.63	-71.62	-71.19	5.5	-62.89

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

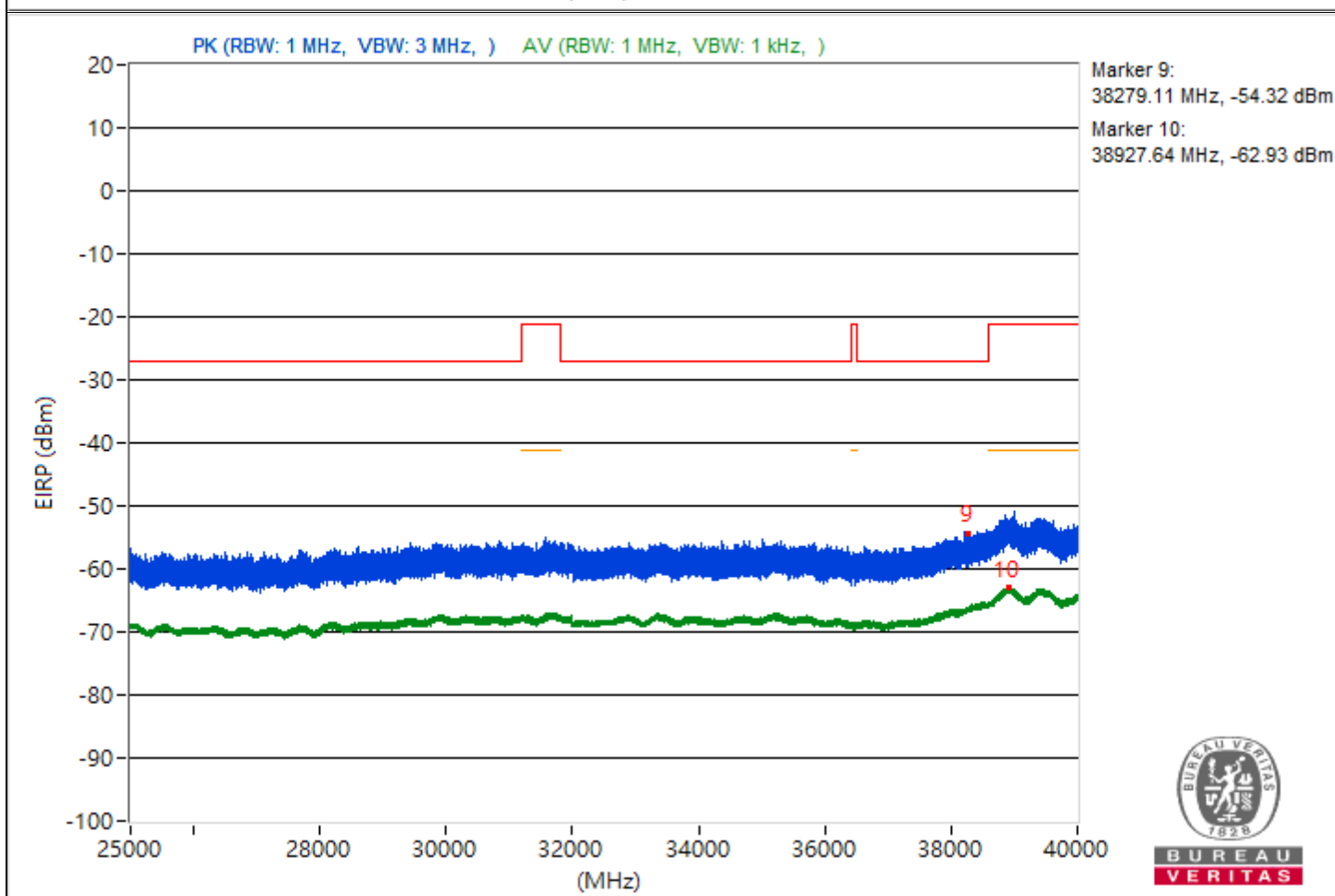
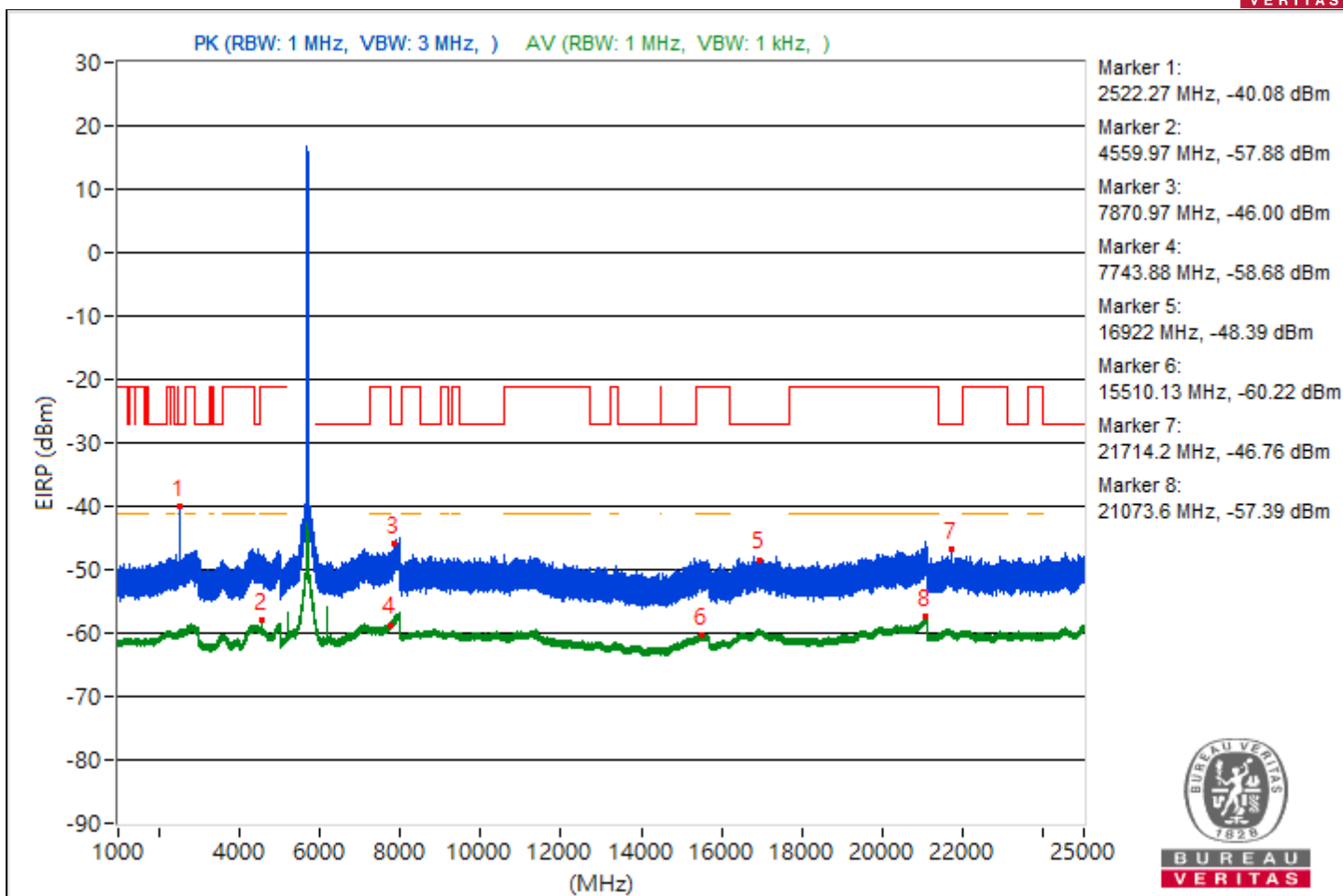


RF Mode	802.11ac (VHT20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2522.27	55.18 PK	68.26	-13.08	-58.82	-45.79	5.5	-40.08
2	4559.97	37.38 AV	54	-16.62	-67.64	-65.42	5.5	-57.88
3	#7870.97	49.26 PK	68.26	-19	-52.61	-57.96	5.5	-46
4	7743.88	36.58 AV	54	-17.42	-66.74	-67.69	5.5	-58.68
5	#16922	46.87 PK	68.26	-21.39	-55.16	-59.87	5.5	-48.39
6	15510.13	35.04 AV	54	-18.96	-69.11	-68.38	5.5	-60.22
7	#21714.2	48.5 PK	68.26	-19.76	-57.53	-53.79	5.5	-46.76
8	21073.6	37.87 AV	54	-16.13	-65.64	-66.17	5.5	-57.39
9	#38279.11	40.94 PK	68.26	-27.32	-65.4	-61.23	5.5	-54.32
10	38927.64	32.33 AV	54	-21.67	-71.18	-71.71	5.5	-62.93

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

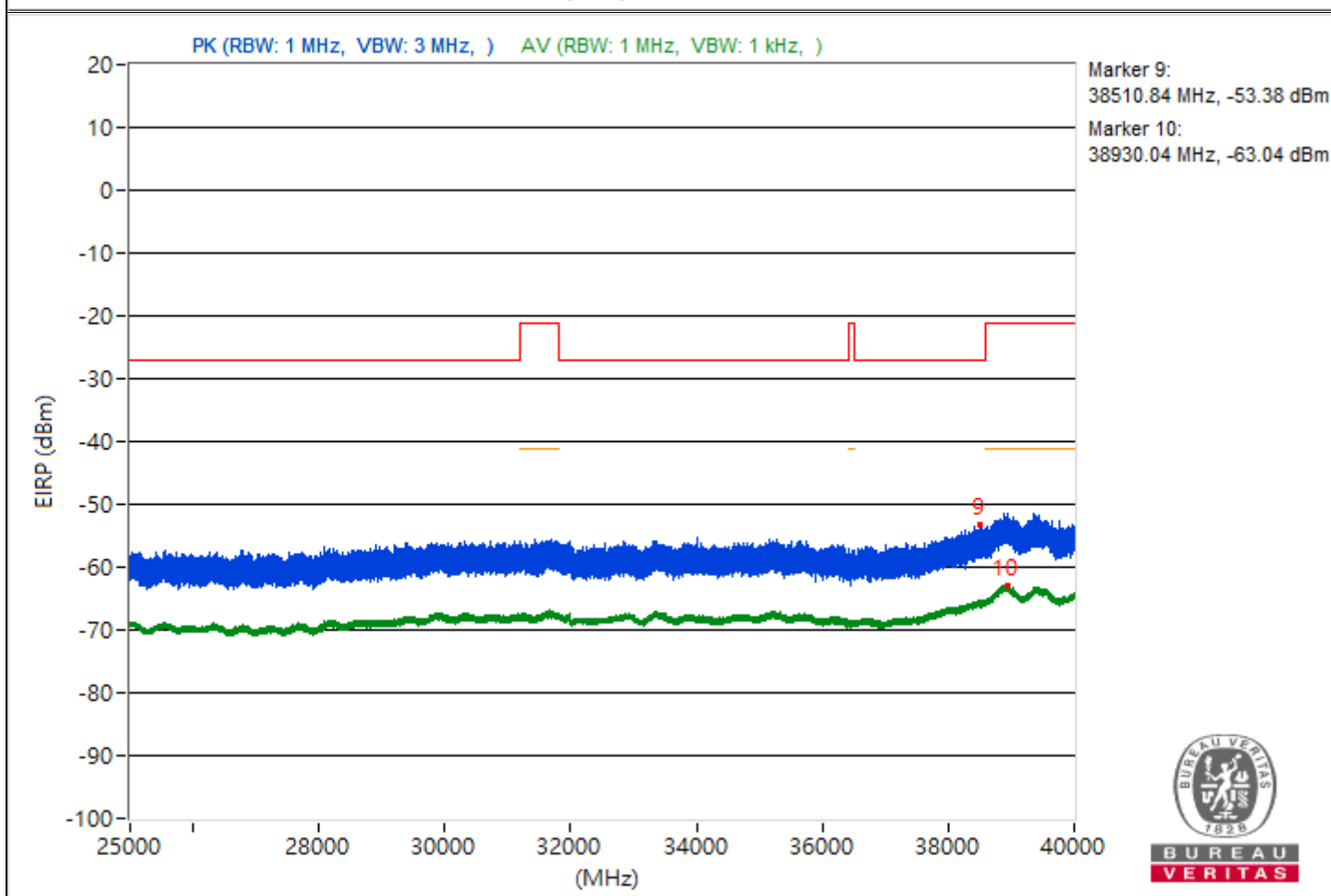
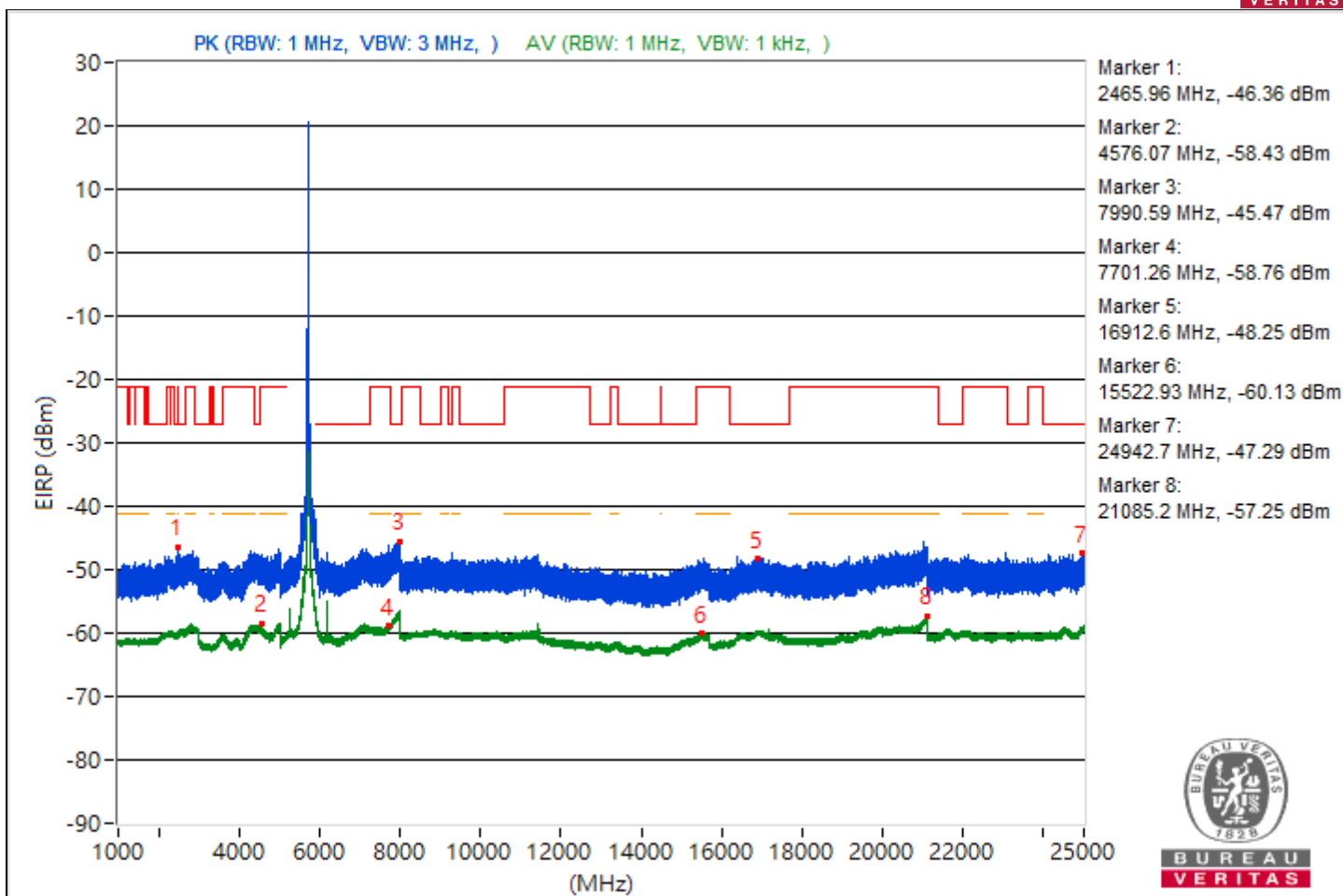


RF Mode	802.11ac (VHT20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2465.96	48.9 PK	68.26	-19.36	-54.08	-55.84	5.5	-46.36
2	4576.07	36.83 AV	54	-17.17	-67.73	-66.27	5.5	-58.43
3	#7990.59	49.79 PK	68.26	-18.47	-58.39	-51.84	5.5	-45.47
4	7701.26	36.5 AV	54	-17.5	-67.06	-67.48	5.5	-58.76
5	#16912.6	47.01 PK	68.26	-21.25	-55.41	-58.73	5.5	-48.25
6	15522.93	35.13 AV	54	-18.87	-68.97	-68.33	5.5	-60.13
7	#24942.7	47.97 PK	68.26	-20.29	-59.74	-53.76	5.5	-47.29
8	21085.2	38.01 AV	54	-15.99	-66.16	-65.4	5.5	-57.25
9	#38510.84	41.88 PK	68.26	-26.38	-60.47	-64.02	5.5	-53.38
10	38930.04	32.22 AV	54	-21.78	-71.13	-72.02	5.5	-63.04

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

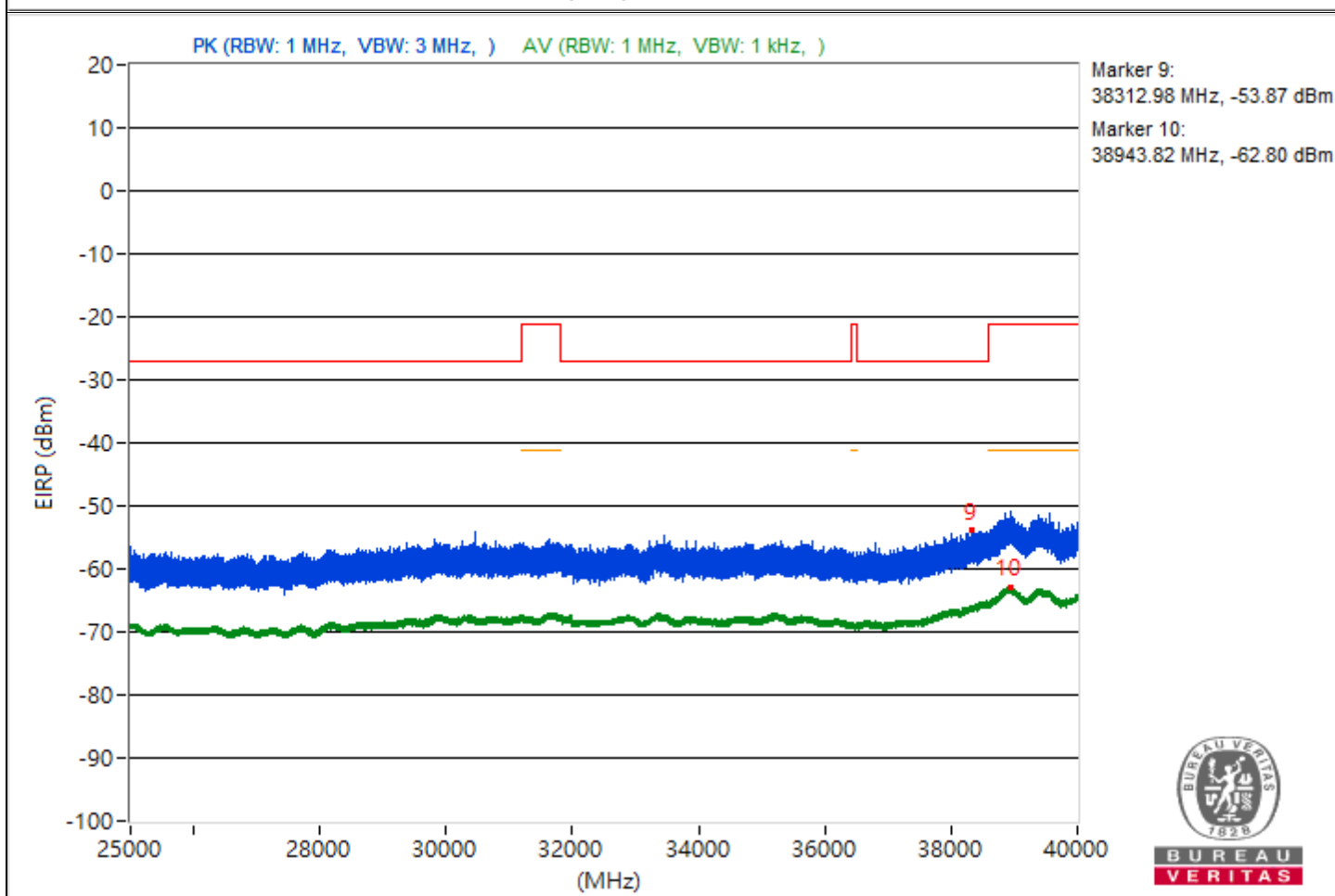
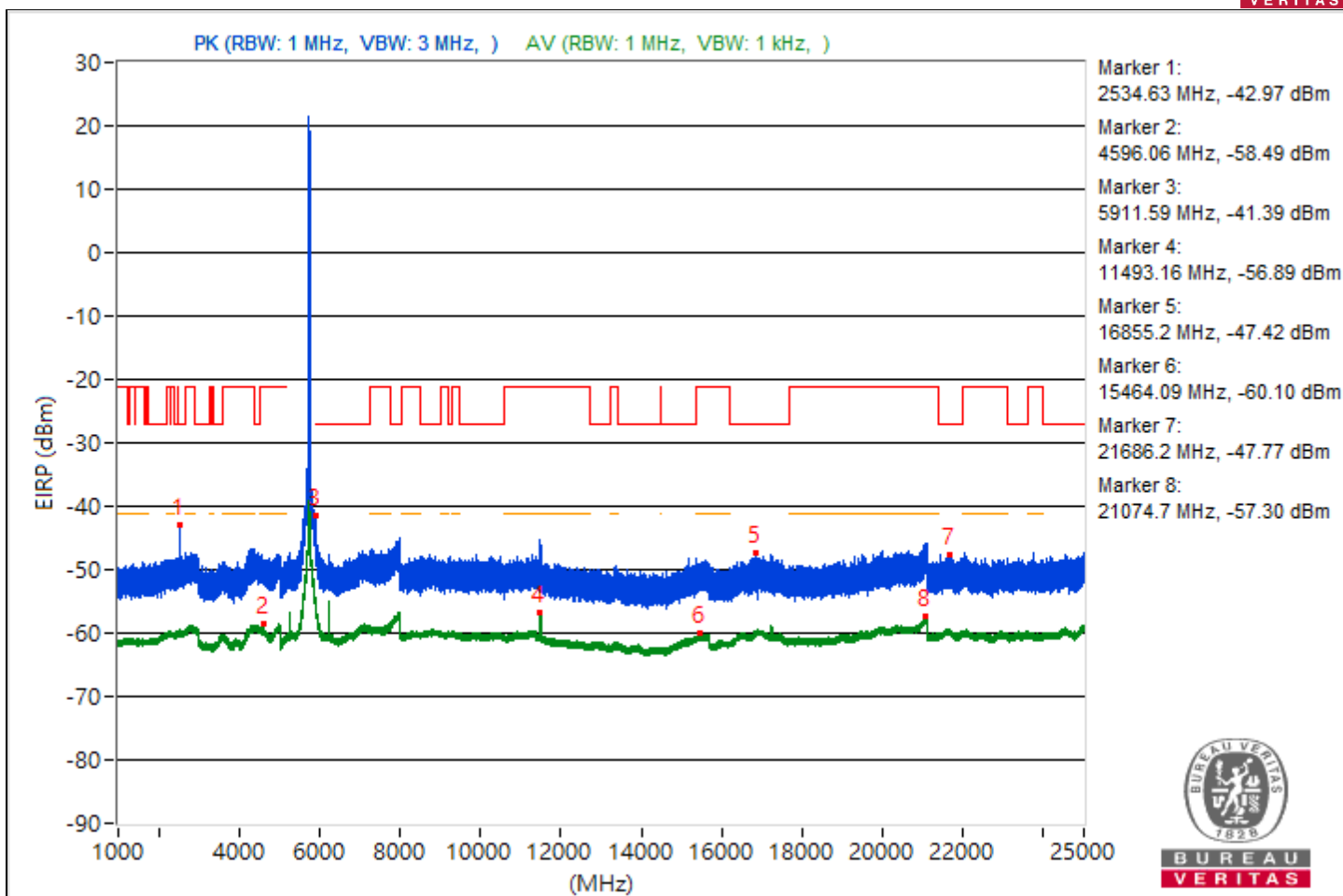


RF Mode	802.11ac (VHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2534.63	52.29 PK	68.26	-15.97	-48.84	-59.25	5.5	-42.97
2	4596.06	36.77 AV	54	-17.23	-67.96	-66.21	5.5	-58.49
3	#5911.59	53.87 PK	68.26	-14.39	-48.35	-52.33	5.5	-41.39
4	11493.16	38.37 AV	54	-15.63	-65.53	-65.27	5.5	-56.89
5	#16855.2	47.84 PK	68.26	-20.42	-58.63	-54.28	5.5	-47.42
6	15464.09	35.16 AV	54	-18.84	-68.34	-68.89	5.5	-60.1
7	#21686.2	47.49 PK	68.26	-20.77	-54.32	-59.96	5.5	-47.77
8	21074.7	37.96 AV	54	-16.04	-65.55	-66.08	5.5	-57.3
9	#38312.98	41.39 PK	68.26	-26.87	-64.34	-61.03	5.5	-53.87
10	38943.82	32.46 AV	54	-21.54	-71.83	-70.84	5.5	-62.8

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

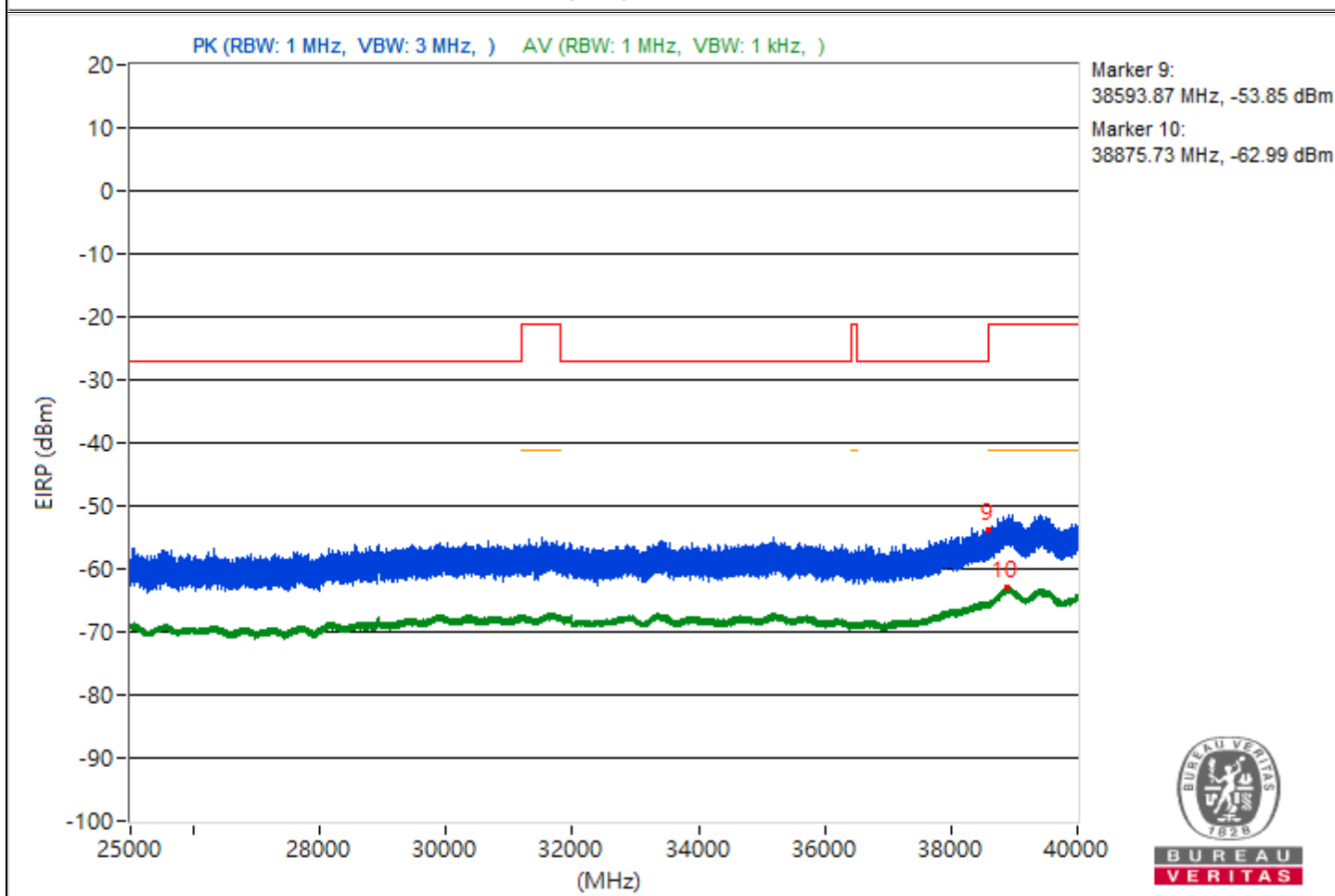
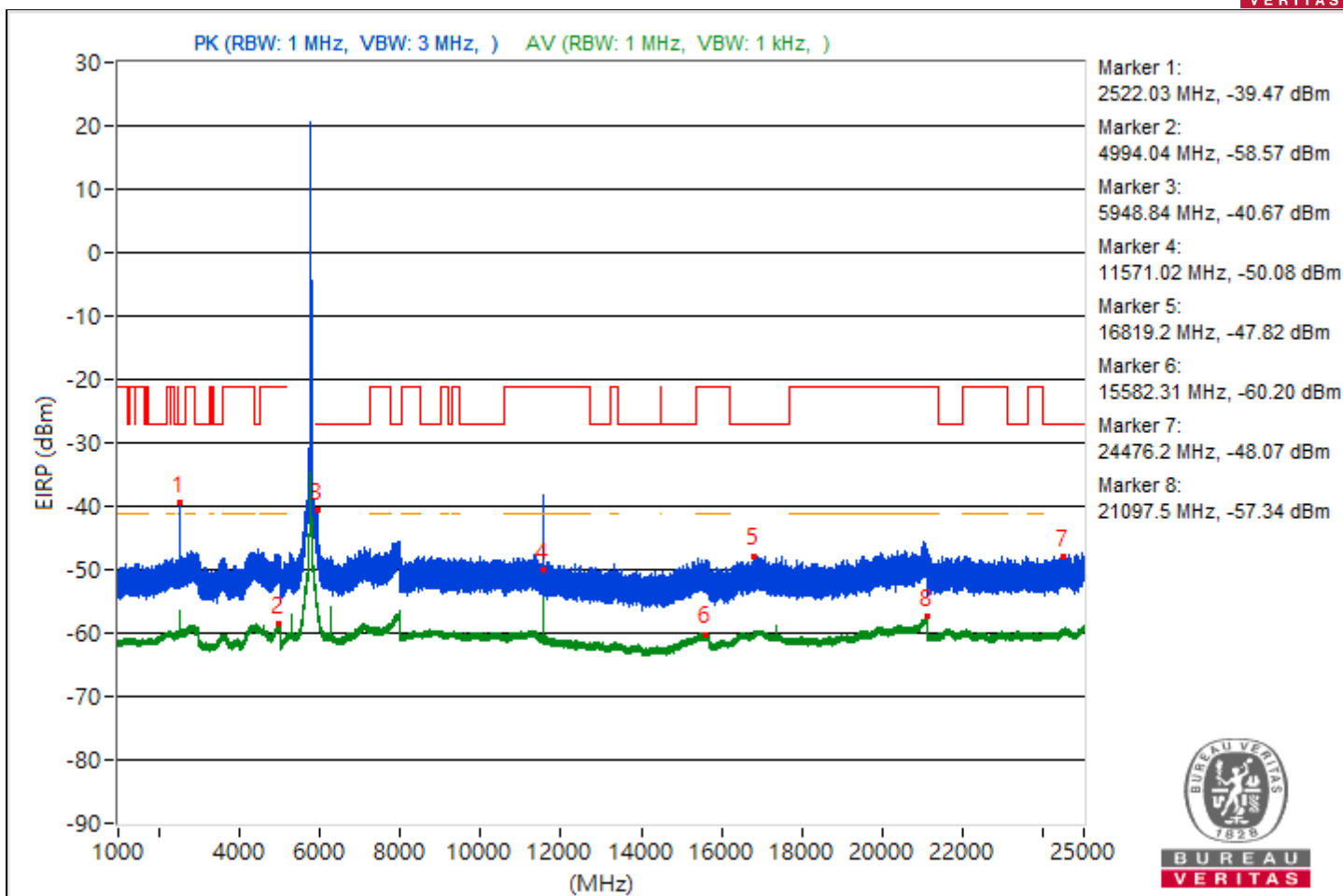


RF Mode	802.11ac (VHT20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2522.03	55.79 PK	68.26	-12.47	-52.9	-45.73	5.5	-39.47
2	4994.04	36.69 AV	54	-17.31	-66.86	-67.32	5.5	-58.57
3	#5948.84	54.59 PK	68.26	-13.67	-49.21	-49.14	5.5	-40.67
4	11571.02	45.18 AV	54	-8.82	-59.38	-57.93	5.5	-50.08
5	#16819.2	47.44 PK	68.26	-20.82	-58.89	-54.72	5.5	-47.82
6	15582.31	35.06 AV	54	-18.94	-68.3	-69.16	5.5	-60.2
7	#24476.2	47.19 PK	68.26	-21.07	-59.4	-54.88	5.5	-48.07
8	21097.5	37.92 AV	54	-16.08	-66.06	-65.65	5.5	-57.34
9	#38593.87	41.41 PK	68.26	-26.85	-65.05	-60.71	5.5	-53.85
10	38875.73	32.27 AV	54	-21.73	-72.04	-71.03	5.5	-62.99

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

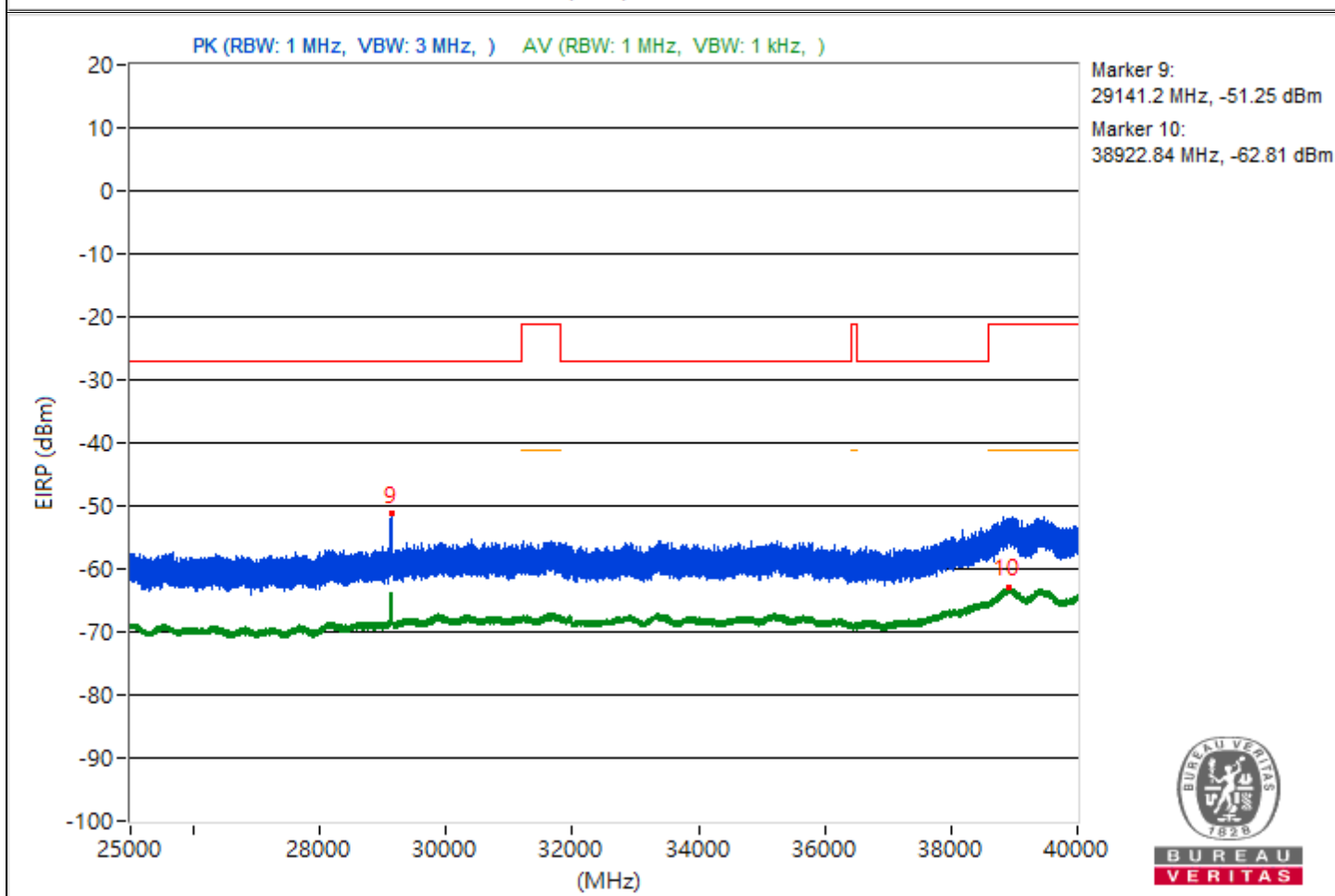
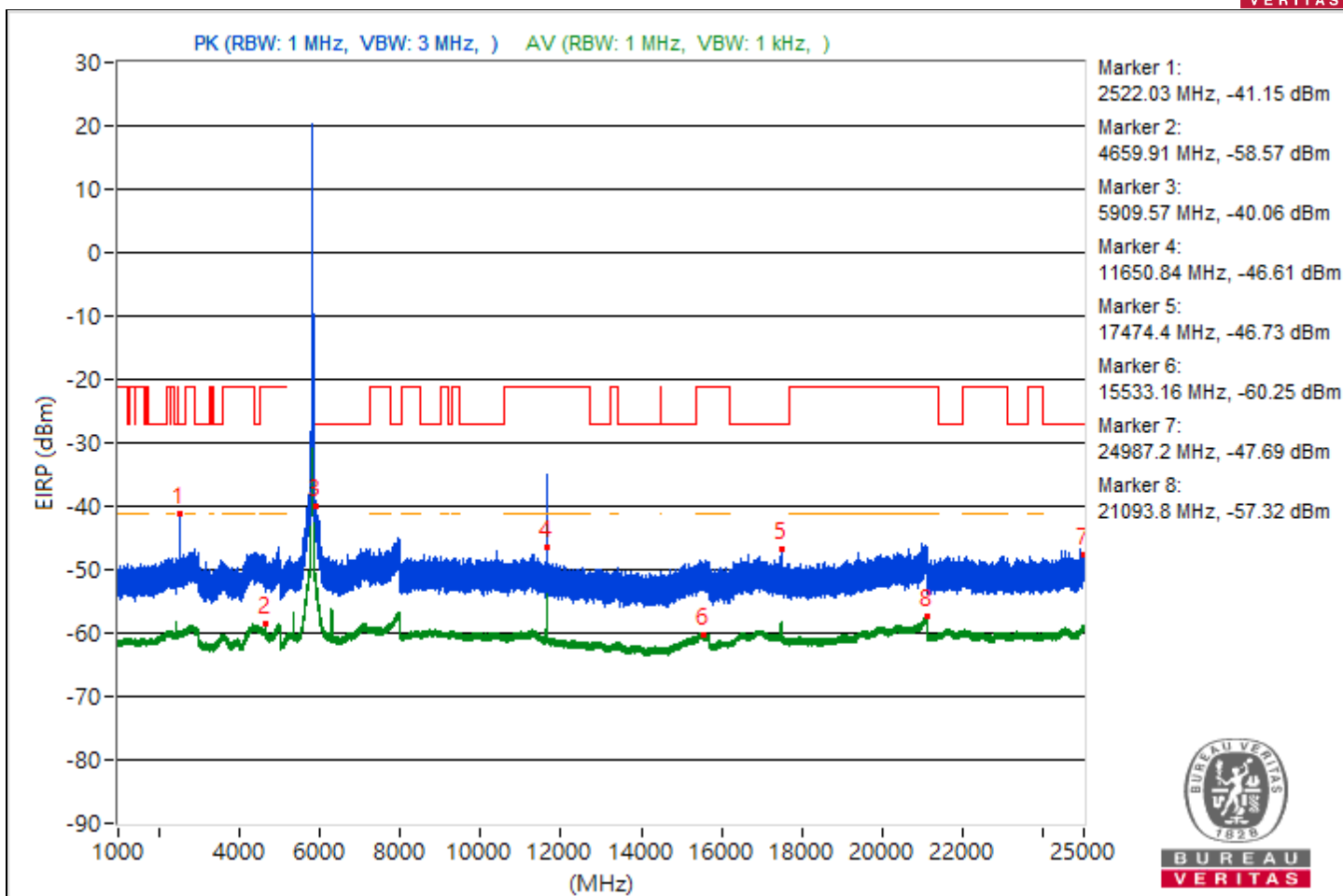


RF Mode	802.11ac (VHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2522.03	54.11 PK	68.26	-14.15	-59.84	-46.87	5.5	-41.15
2	4659.91	36.69 AV	54	-17.31	-67.71	-66.53	5.5	-58.57
3	#5909.57	55.2 PK	68.26	-13.06	-51.94	-46.7	5.5	-40.06
4	11650.84	48.65 AV	54	-5.35	-56.31	-54.18	5.5	-46.61
5	#17474.4	48.53 PK	68.26	-19.73	-53.27	-58.96	5.5	-46.73
6	15533.16	35.01 AV	54	-18.99	-68.42	-69.14	5.5	-60.25
7	#24987.2	47.57 PK	68.26	-20.69	-54.48	-59.11	5.5	-47.69
8	21093.8	37.94 AV	54	-16.06	-66.1	-65.57	5.5	-57.32
9	#29141.2	44.01 PK	68.26	-24.25	-63.86	-57.69	5.5	-51.25
10	38922.84	32.45 AV	54	-21.55	-71.1	-71.56	5.5	-62.81

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

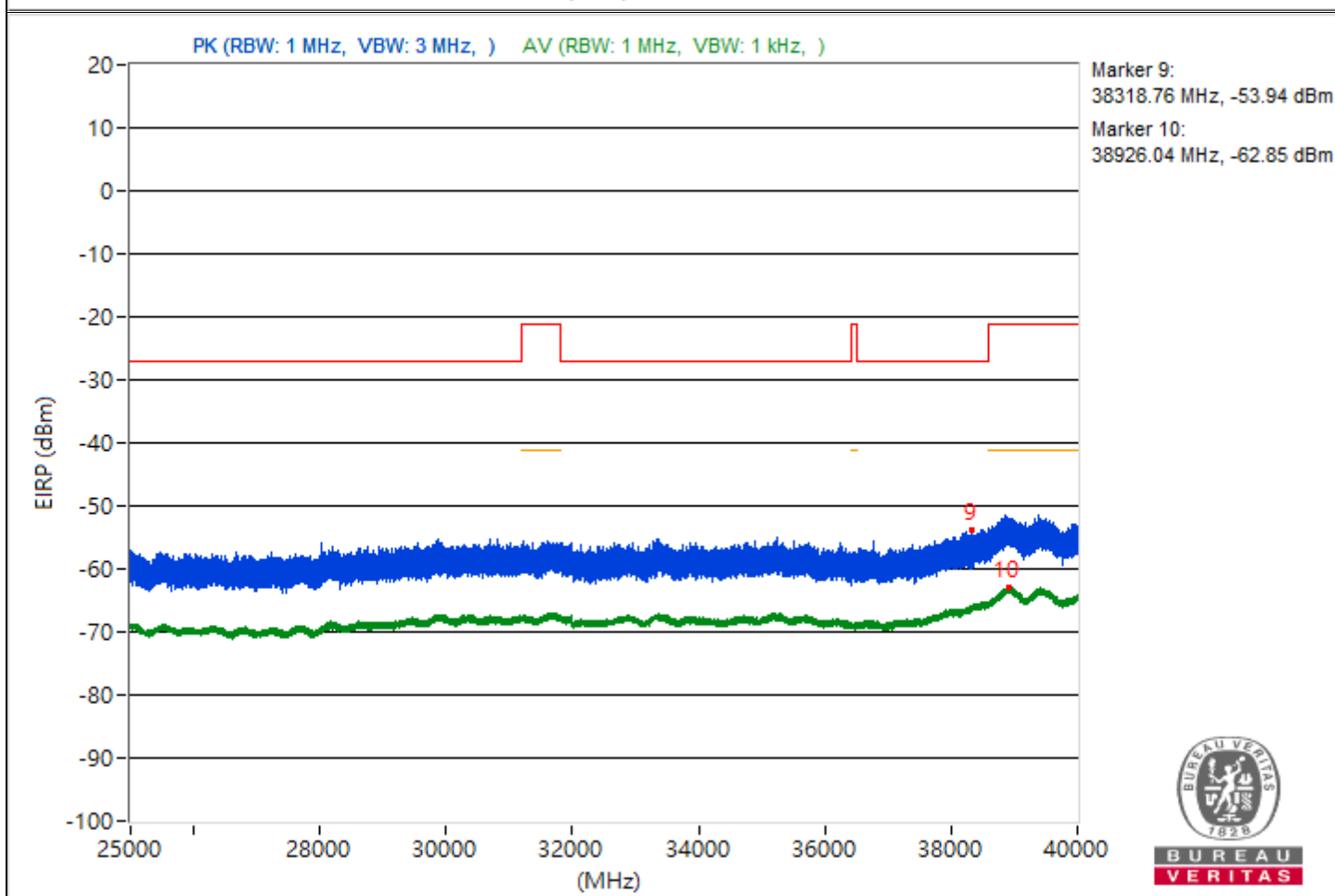
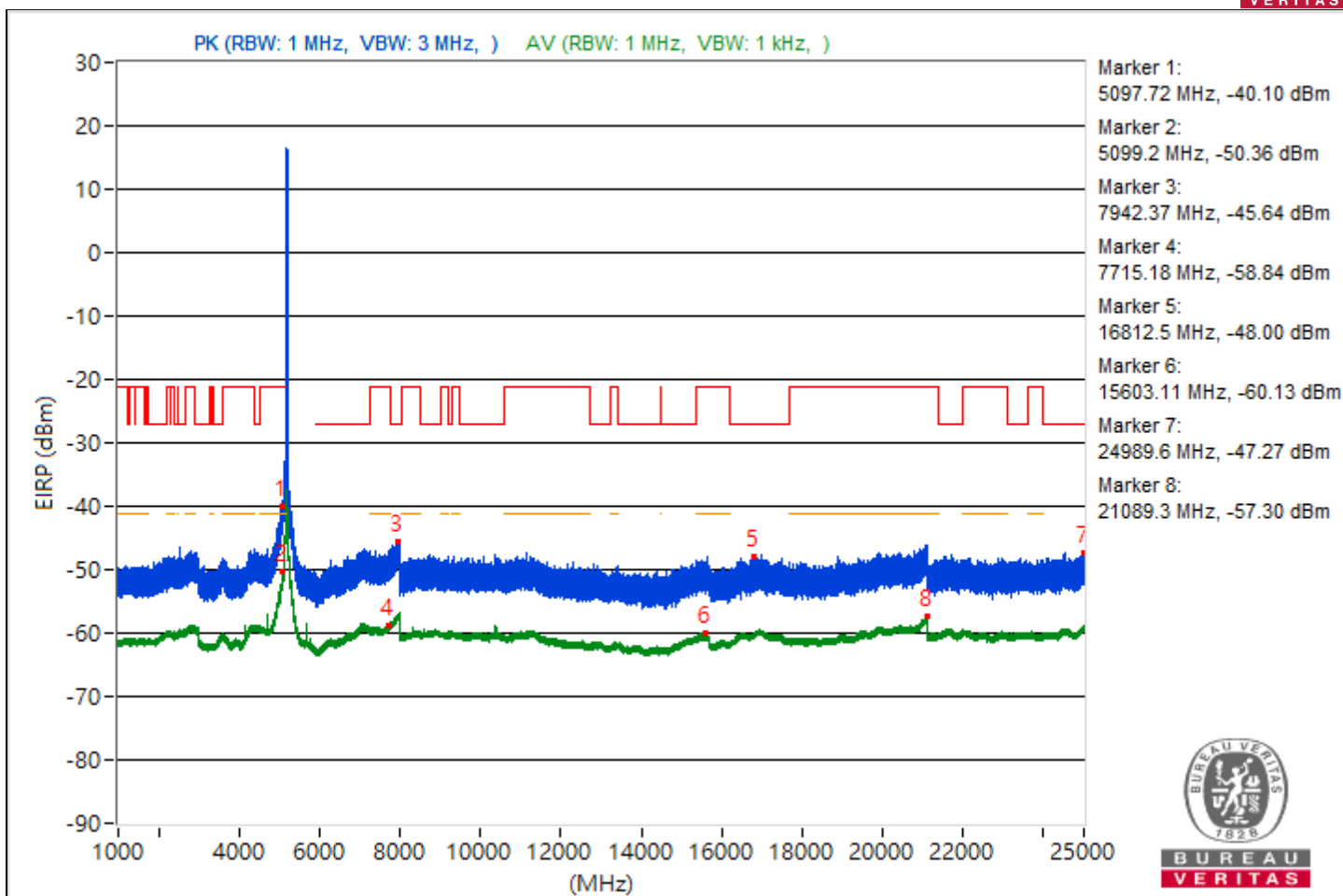


RF Mode	802.11ac (VHT40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	5097.72	55.16 PK	74	-18.84	-52.03	-46.72	5.5	-40.1
2	5099.2	44.9 AV	54	-9.1	-59.79	-58.12	5.5	-50.36
3	#7942.37	49.62 PK	68.26	-18.64	-56.3	-52.72	5.5	-45.64
4	7715.18	36.42 AV	54	-17.58	-67.93	-66.84	5.5	-58.84
5	#16812.5	47.26 PK	68.26	-21	-54.72	-59.6	5.5	-48
6	15603.11	35.13 AV	54	-18.87	-69.11	-68.22	5.5	-60.13
7	#24989.6	47.99 PK	68.26	-20.27	-54.44	-57.74	5.5	-47.27
8	21089.3	37.96 AV	54	-16.04	-65.94	-65.69	5.5	-57.3
9	#38318.76	41.32 PK	68.26	-26.94	-64.83	-60.92	5.5	-53.94
10	38926.04	32.41 AV	54	-21.59	-70.99	-71.78	5.5	-62.85

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

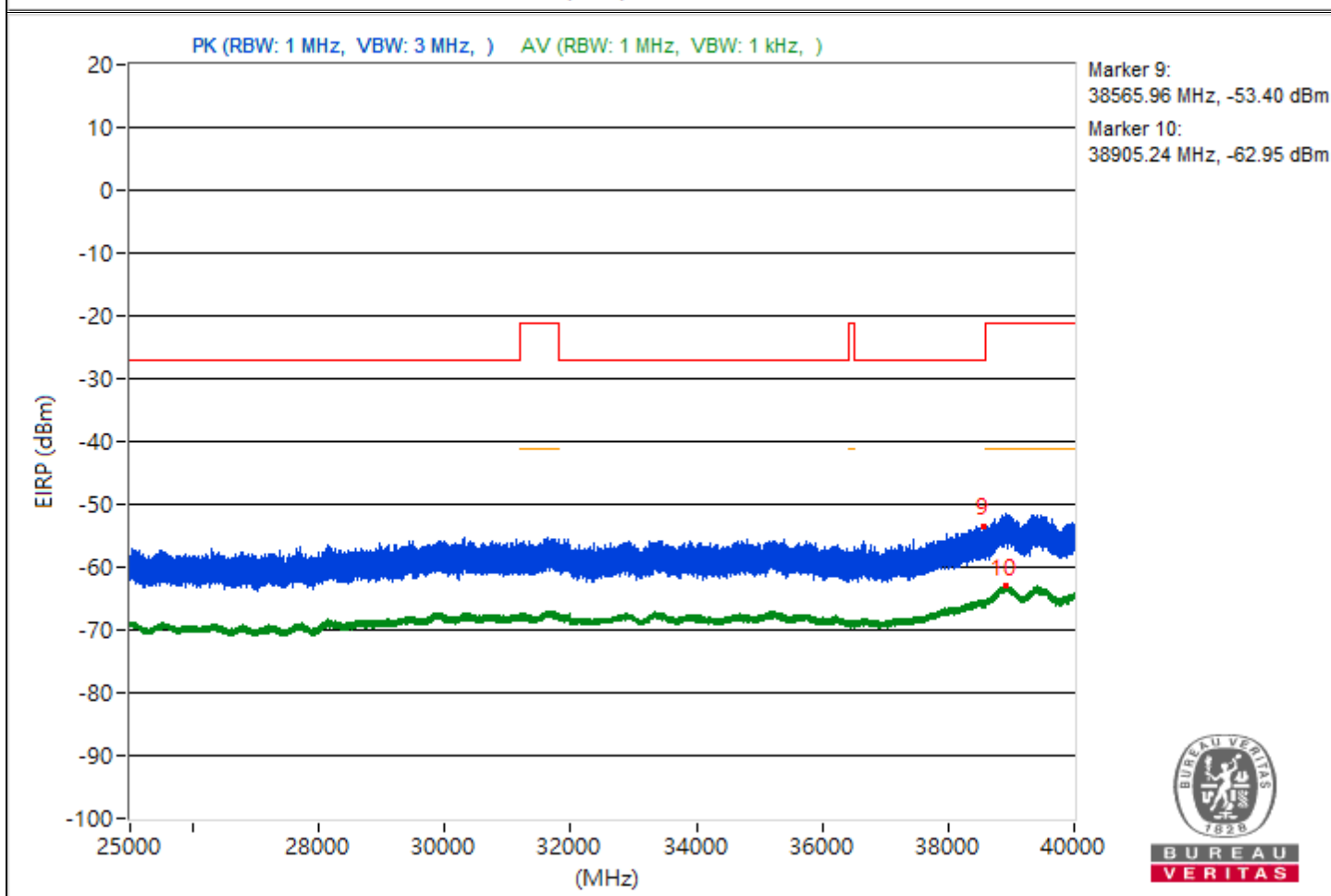
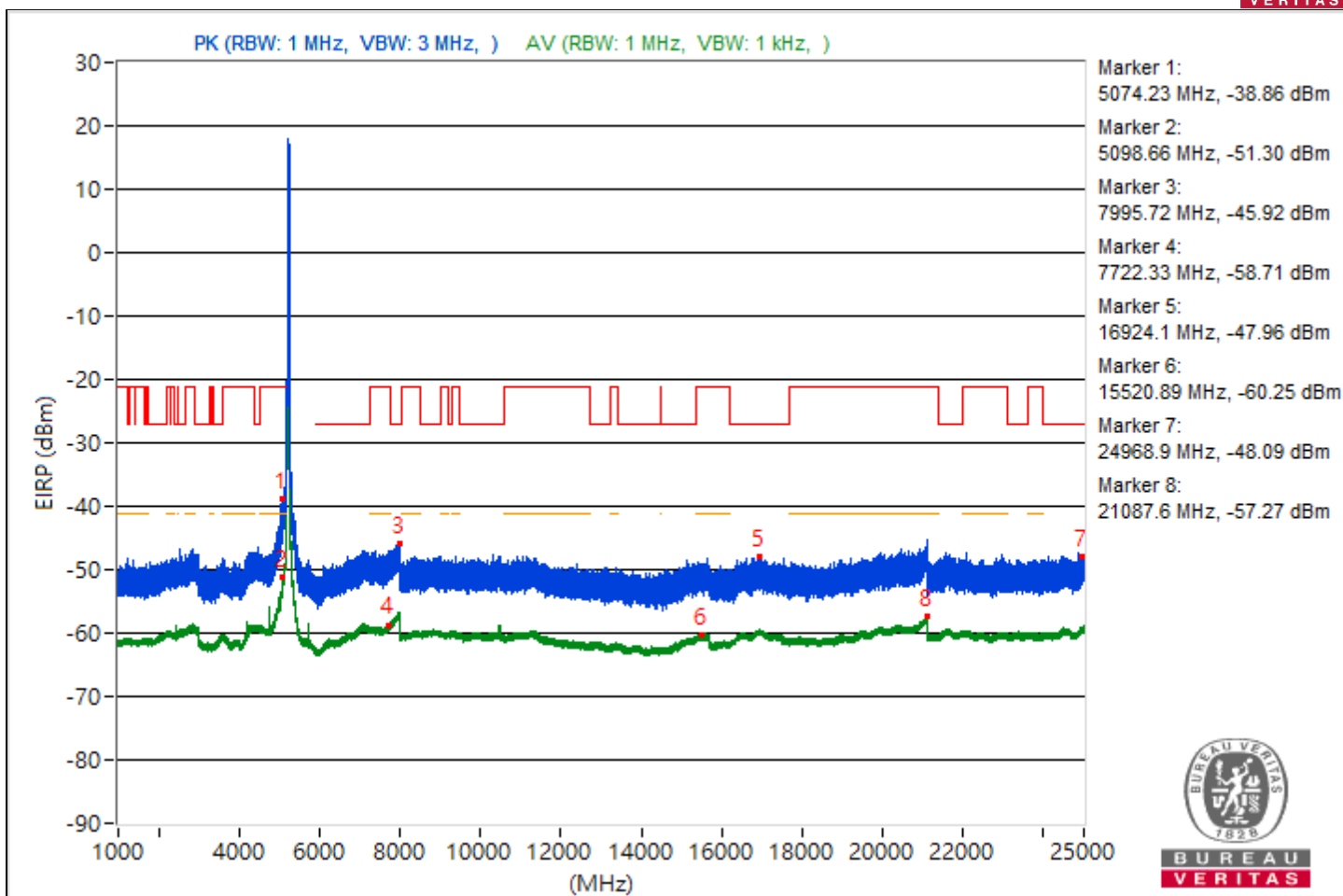


RF Mode	802.11ac (VHT40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	5074.23	56.4 PK	74	-17.6	-51.93	-45.19	5.5	-38.86
2	5098.66	43.96 AV	54	-10.04	-61.28	-58.71	5.5	-51.3
3	#7995.72	49.34 PK	68.26	-18.92	-56.47	-53.05	5.5	-45.92
4	7722.33	36.55 AV	54	-17.45	-66.92	-67.55	5.5	-58.71
5	#16924.1	47.3 PK	68.26	-20.96	-54.64	-59.7	5.5	-47.96
6	15520.89	35.01 AV	54	-18.99	-68.36	-69.2	5.5	-60.25
7	#24968.9	47.17 PK	68.26	-21.09	-54.82	-59.67	5.5	-48.09
8	21087.6	37.99 AV	54	-16.01	-65.98	-65.59	5.5	-57.27
9	#38565.96	41.86 PK	68.26	-26.4	-60.62	-63.75	5.5	-53.4
10	38905.24	32.31 AV	54	-21.69	-71.82	-71.12	5.5	-62.95

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

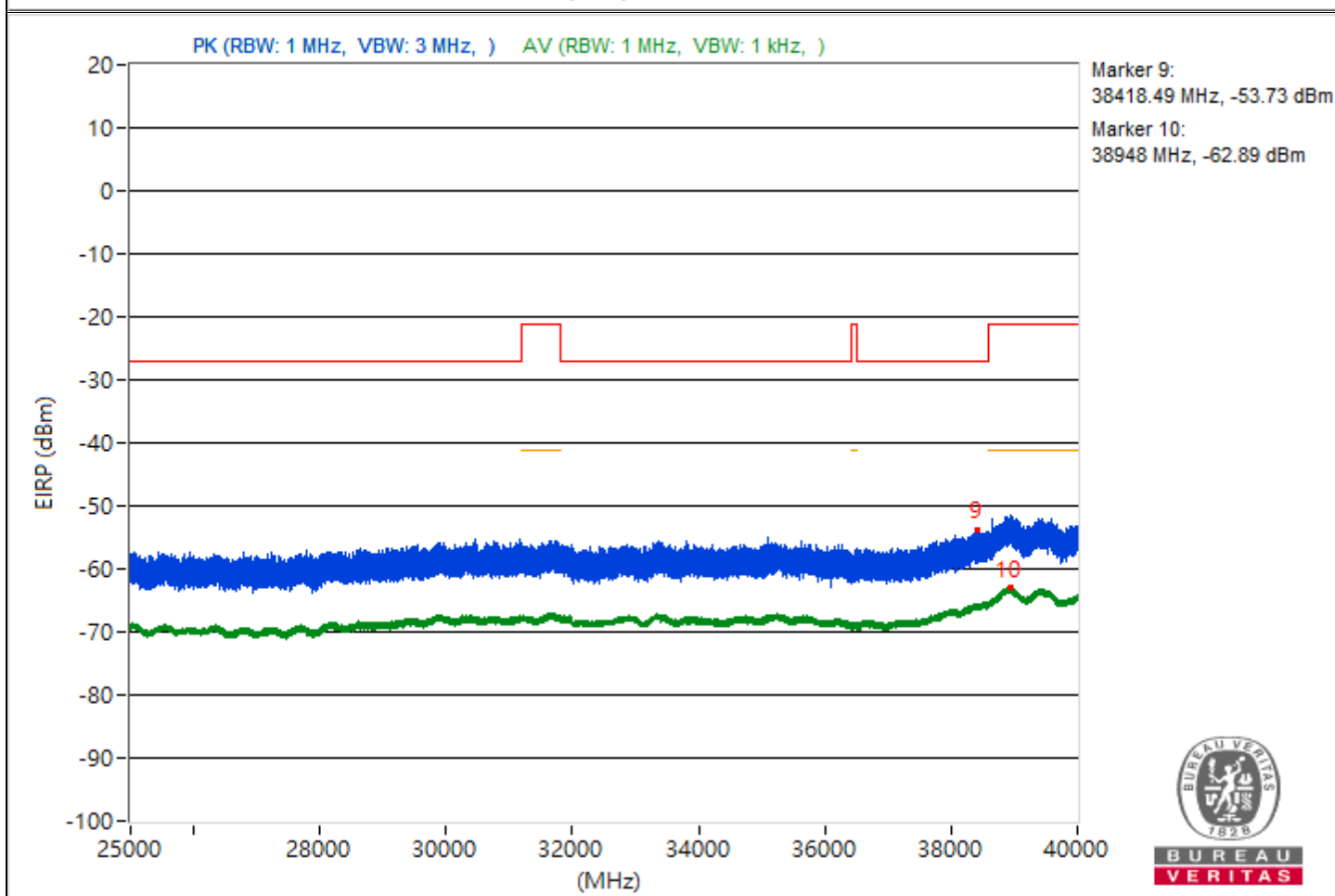
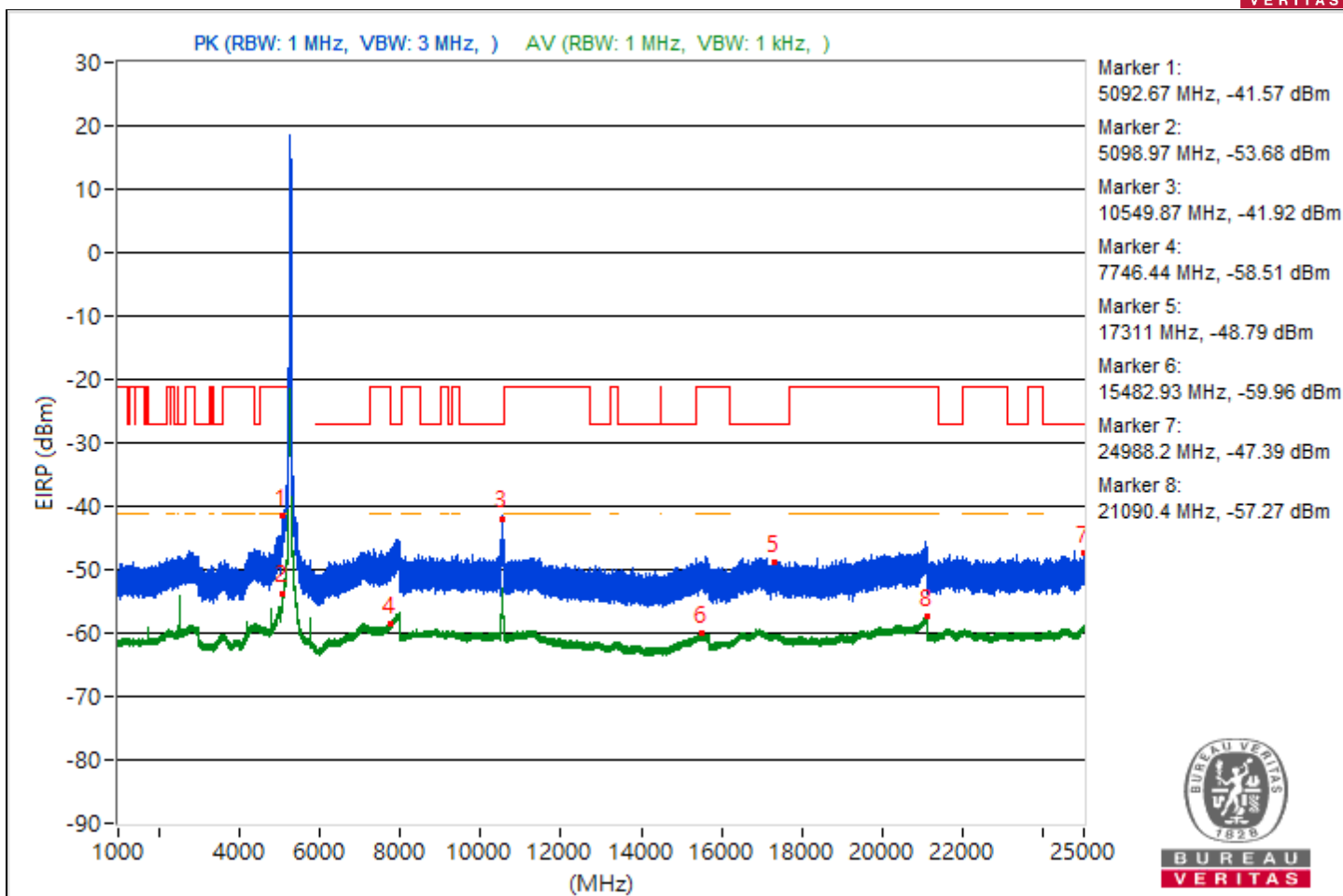


RF Mode	802.11ac (VHT40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5092.67	53.69 PK	74	-20.31	-53.37	-48.23	5.5	-41.57
2	5098.97	41.58 AV	54	-12.42	-63.73	-61.05	5.5	-53.68
3	#10549.87	53.34 PK	68.26	-14.92	-49.23	-52.11	5.5	-41.92
4	7746.44	36.75 AV	54	-17.25	-67.24	-66.82	5.5	-58.51
5	#17311	46.47 PK	68.26	-21.79	-55.59	-60.15	5.5	-48.79
6	15482.93	35.3 AV	54	-18.7	-68.49	-68.45	5.5	-59.96
7	#24988.2	47.87 PK	68.26	-20.39	-56.9	-55.09	5.5	-47.39
8	21090.4	37.99 AV	54	-16.01	-66.07	-65.51	5.5	-57.27
9	#38418.49	41.53 PK	68.26	-26.73	-66.78	-60.08	5.5	-53.73
10	38948	32.37 AV	54	-21.63	-71.22	-71.59	5.5	-62.89

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

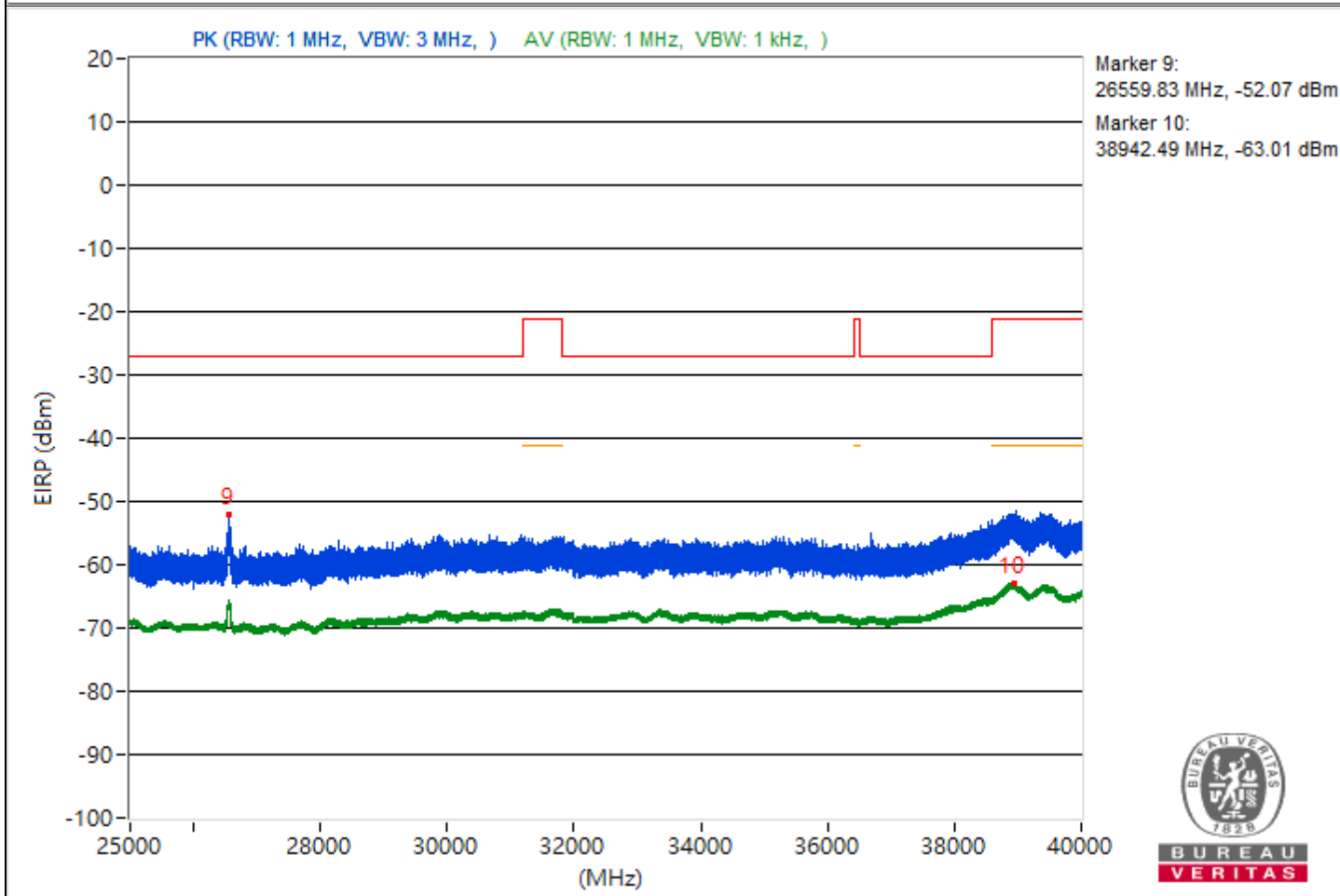
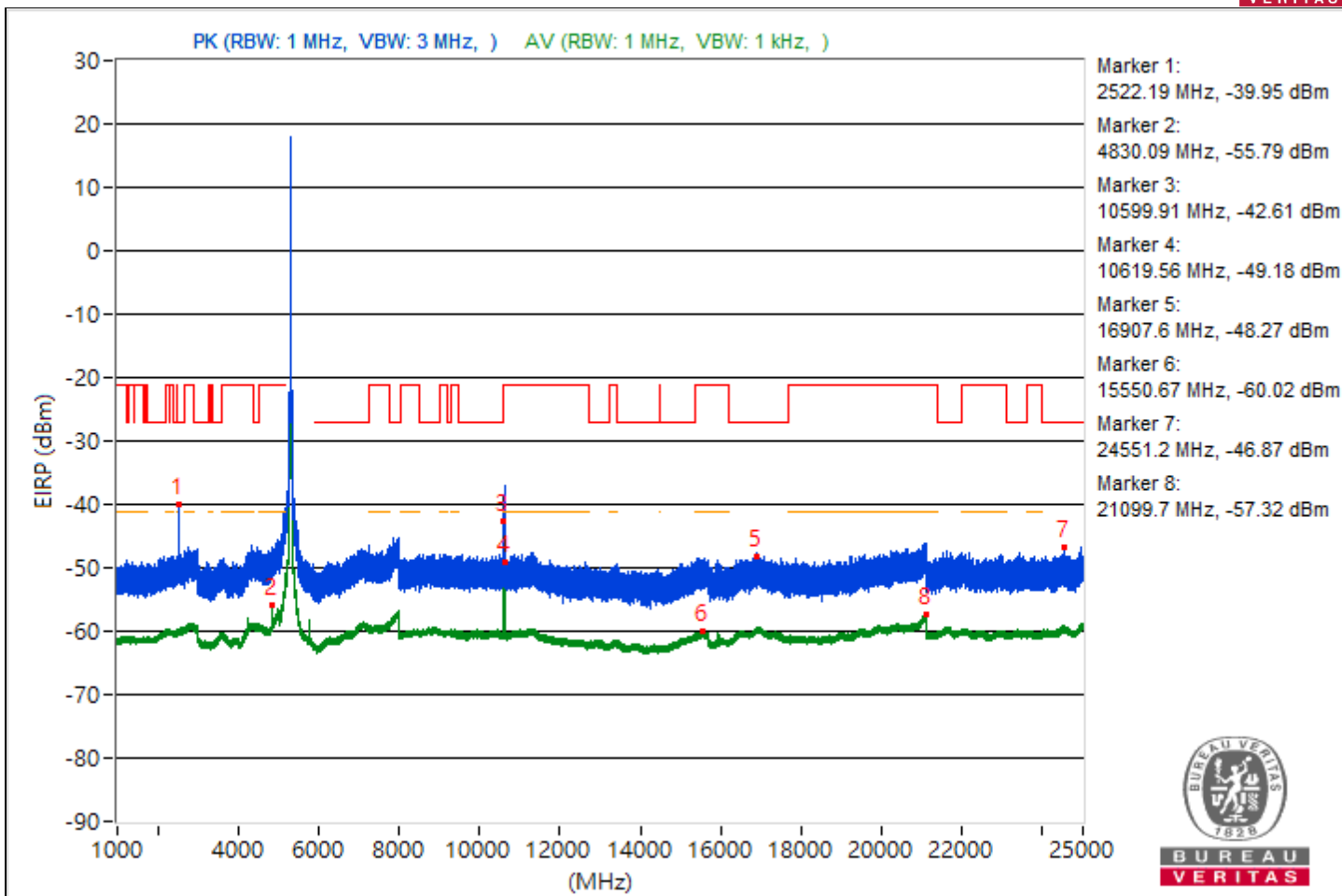


RF Mode	802.11ac (VHT40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2522.19	55.31 PK	68.26	-12.95	-48.61	-48.31	5.5	-39.95
2	4830.09	39.47 AV	54	-14.53	-62.27	-68.26	5.5	-55.79
3	#10599.91	52.65 PK	68.26	-15.61	-52.2	-50.25	5.5	-42.61
4	10619.56	46.08 AV	54	-7.92	-58.25	-57.19	5.5	-49.18
5	#16907.6	46.99 PK	68.26	-21.27	-54.92	-60.09	5.5	-48.27
6	15550.67	35.24 AV	54	-18.76	-68.87	-68.21	5.5	-60.02
7	#24551.2	48.39 PK	68.26	-19.87	-53.48	-58.85	5.5	-46.87
8	21099.7	37.94 AV	54	-16.06	-66.12	-65.56	5.5	-57.32
9	#26559.83	43.19 PK	68.26	-25.07	-58.85	-63.49	5.5	-52.07
10	38942.49	32.25 AV	54	-21.75	-71.87	-71.2	5.5	-63.01

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

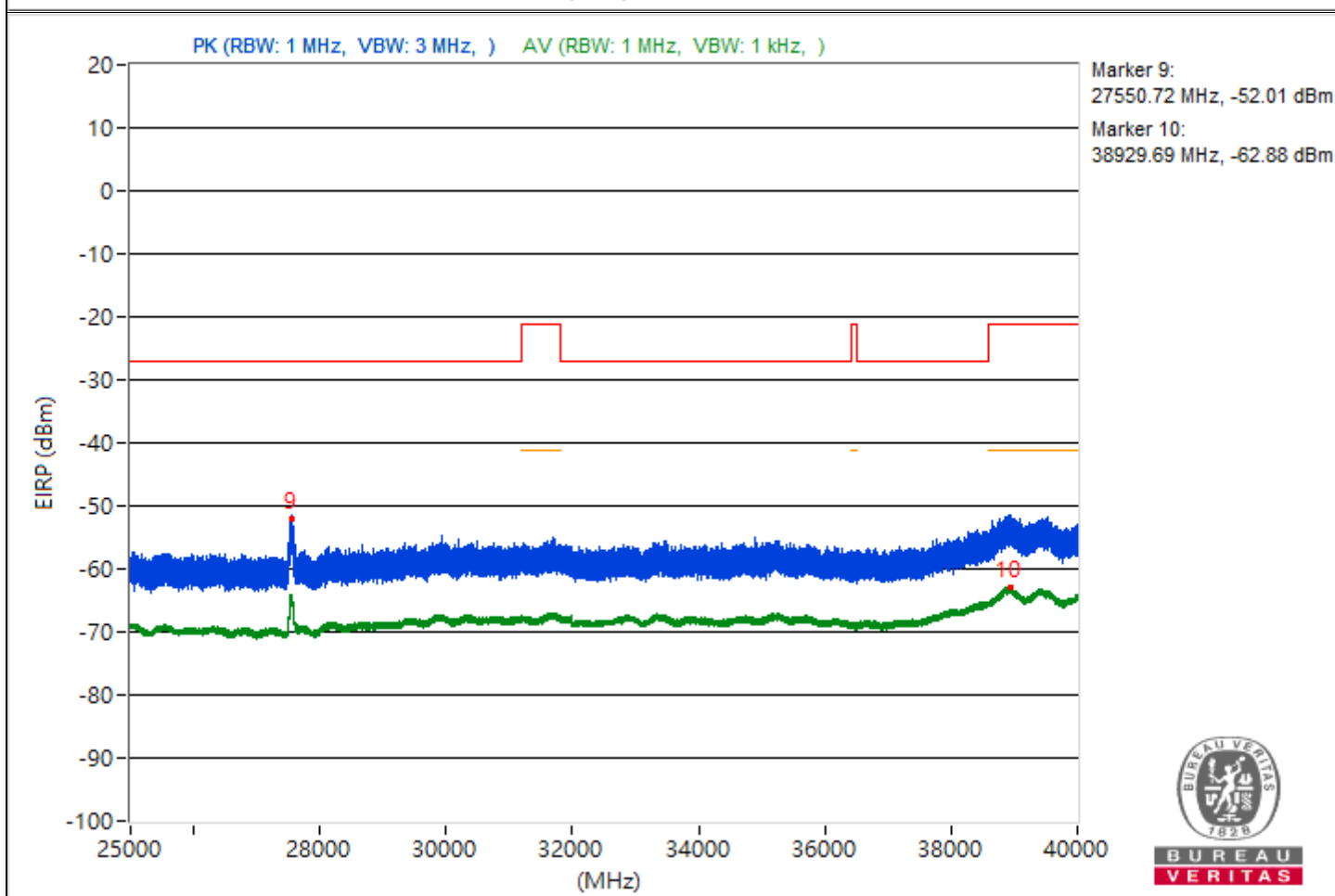
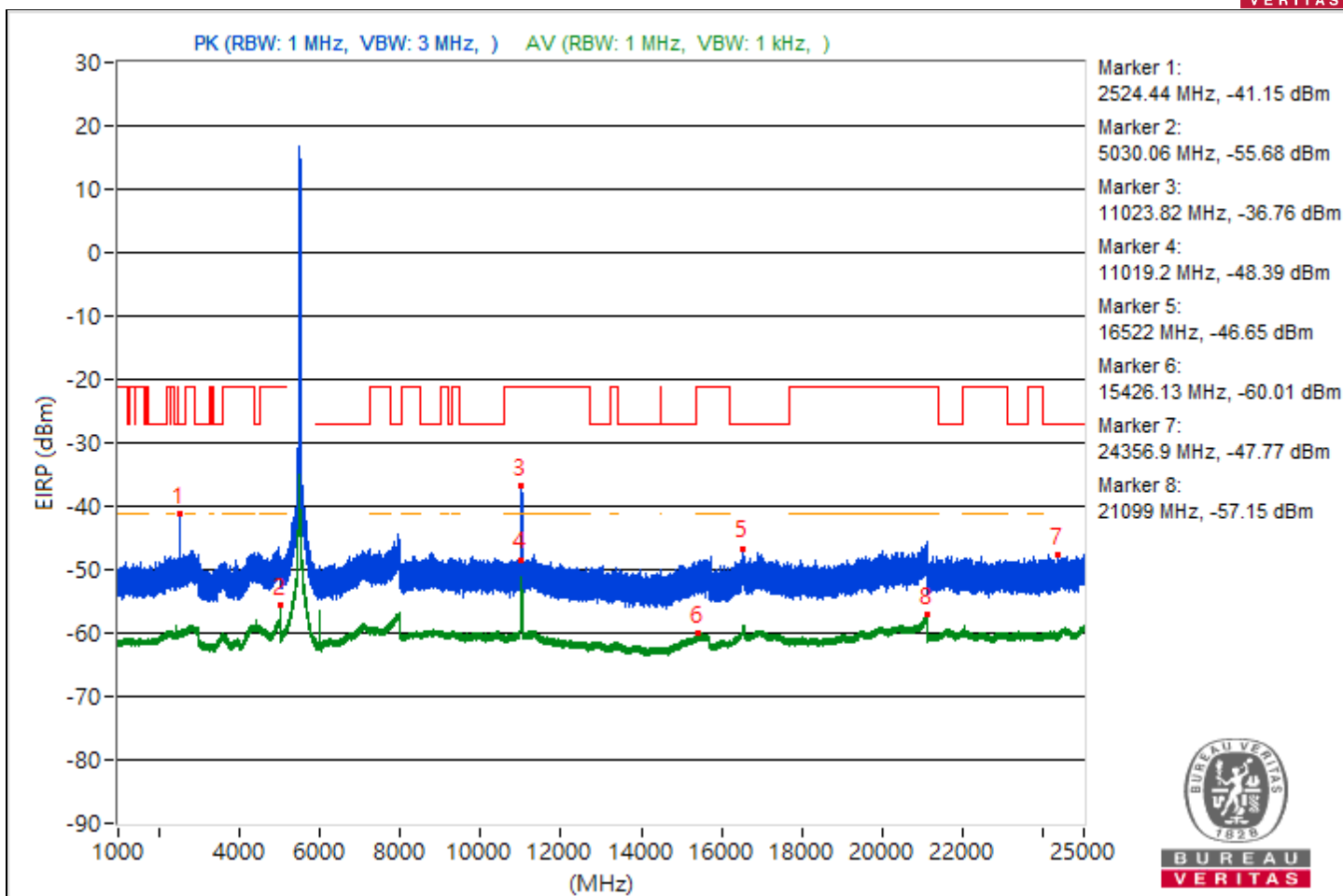


RF Mode	802.11ac (VHT40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2524.44	54.11 PK	68.26	-14.15	-58.95	-46.92	5.5	-41.15
2	5030.06	39.58 AV	54	-14.42	-61.96	-68.99	5.5	-55.68
3	11023.82	58.5 PK	74	-15.5	-48.3	-43.5	5.5	-36.76
4	11019.2	46.87 AV	54	-7.13	-57.46	-56.4	5.5	-48.39
5	#16522	48.61 PK	68.26	-19.65	-58.25	-53.38	5.5	-46.65
6	15426.13	35.25 AV	54	-18.75	-68.28	-68.78	5.5	-60.01
7	#24356.9	47.49 PK	68.26	-20.77	-54.88	-58.36	5.5	-47.77
8	21099	38.11 AV	54	-15.89	-65.91	-65.43	5.5	-57.15
9	#27550.72	43.25 PK	68.26	-25.01	-64.6	-58.45	5.5	-52.01
10	38929.69	32.38 AV	54	-21.62	-71.09	-71.72	5.5	-62.88

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

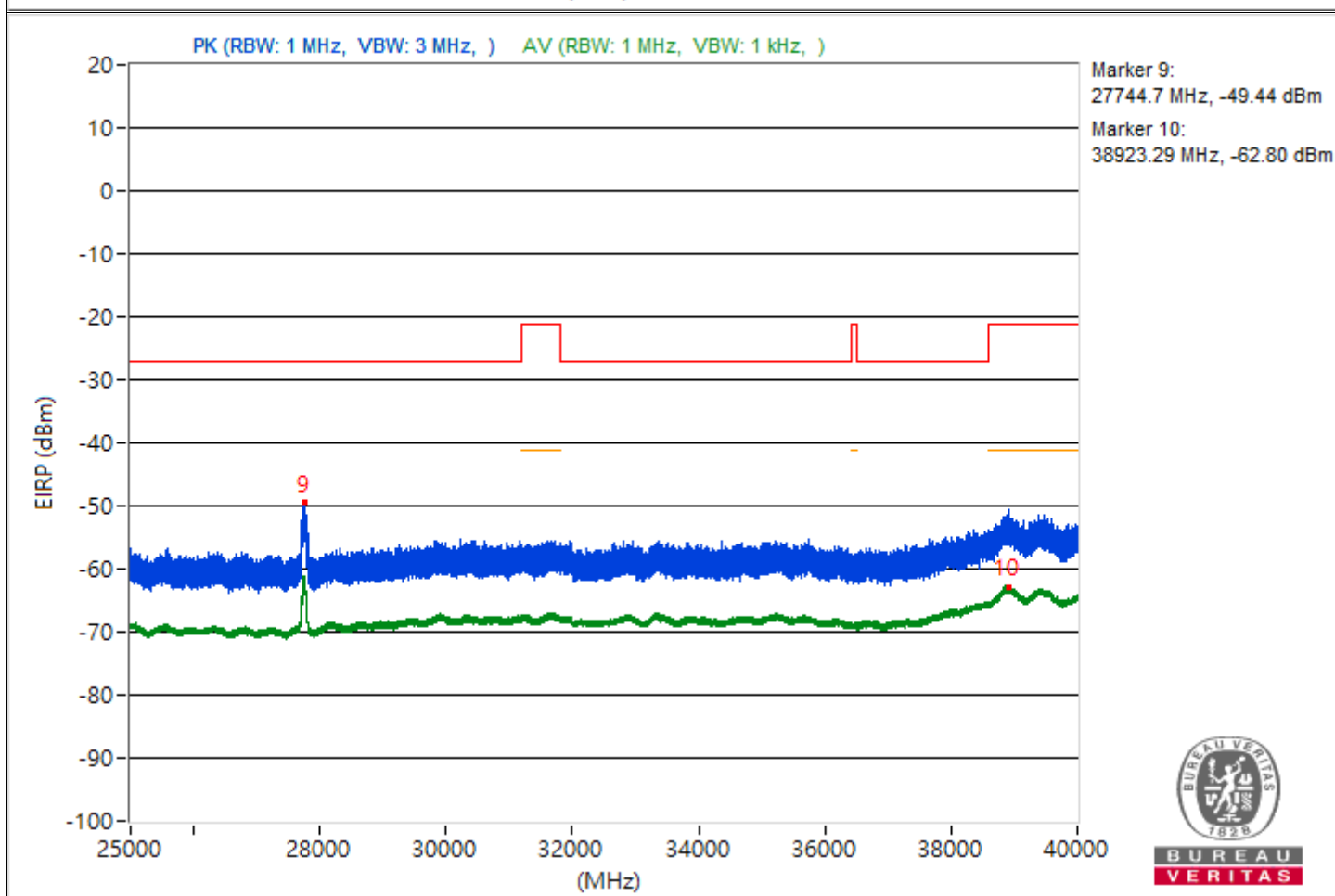
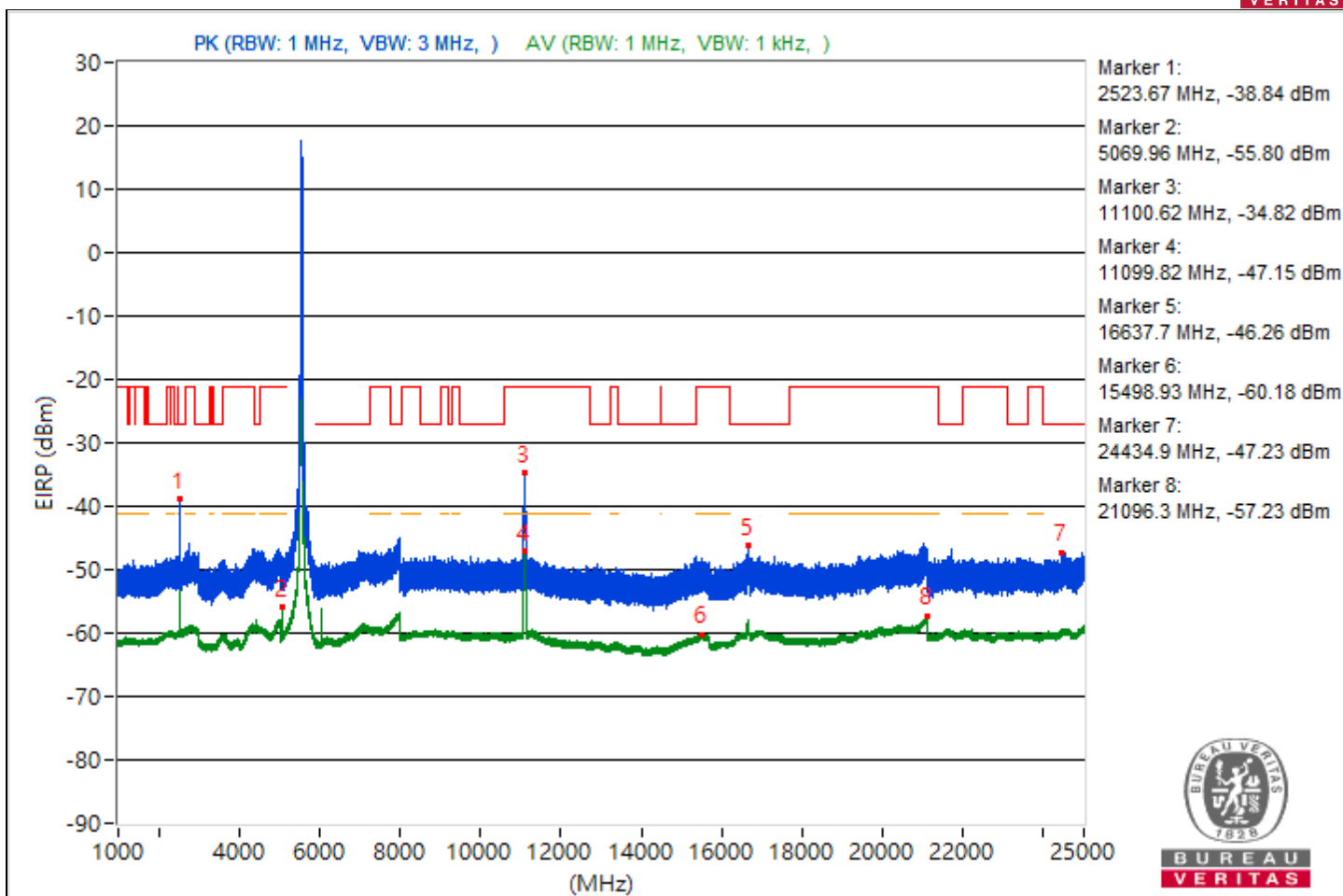


RF Mode	802.11ac (VHT40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2523.67	56.42 PK	68.26	-11.84	-49.23	-46.04	5.5	-38.84
2	5069.96	39.46 AV	54	-14.54	-62.14	-68.87	5.5	-55.8
3	11100.62	60.44 PK	74	-13.56	-44.04	-42.72	5.5	-34.82
4	11099.82	48.11 AV	54	-5.89	-56.69	-54.82	5.5	-47.15
5	#16637.7	49 PK	68.26	-19.26	-57.54	-53.09	5.5	-46.26
6	15498.93	35.08 AV	54	-18.92	-69.07	-68.35	5.5	-60.18
7	#24434.9	48.03 PK	68.26	-20.23	-54.24	-58.06	5.5	-47.23
8	21096.3	38.03 AV	54	-15.97	-65.46	-66.03	5.5	-57.23
9	#27744.7	45.82 PK	68.26	-22.44	-61.5	-56.03	5.5	-49.44
10	38923.29	32.46 AV	54	-21.54	-71.11	-71.51	5.5	-62.8

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

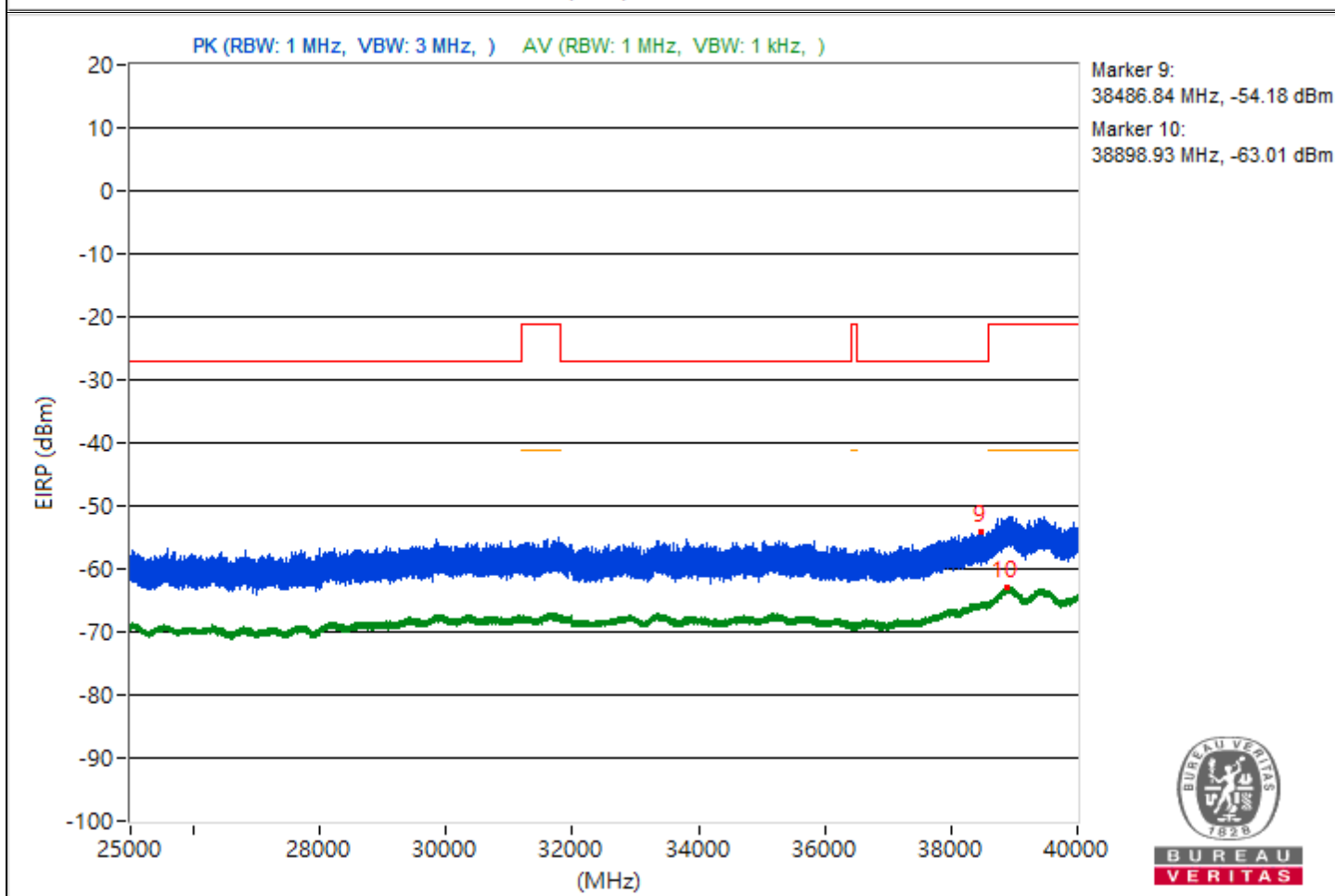
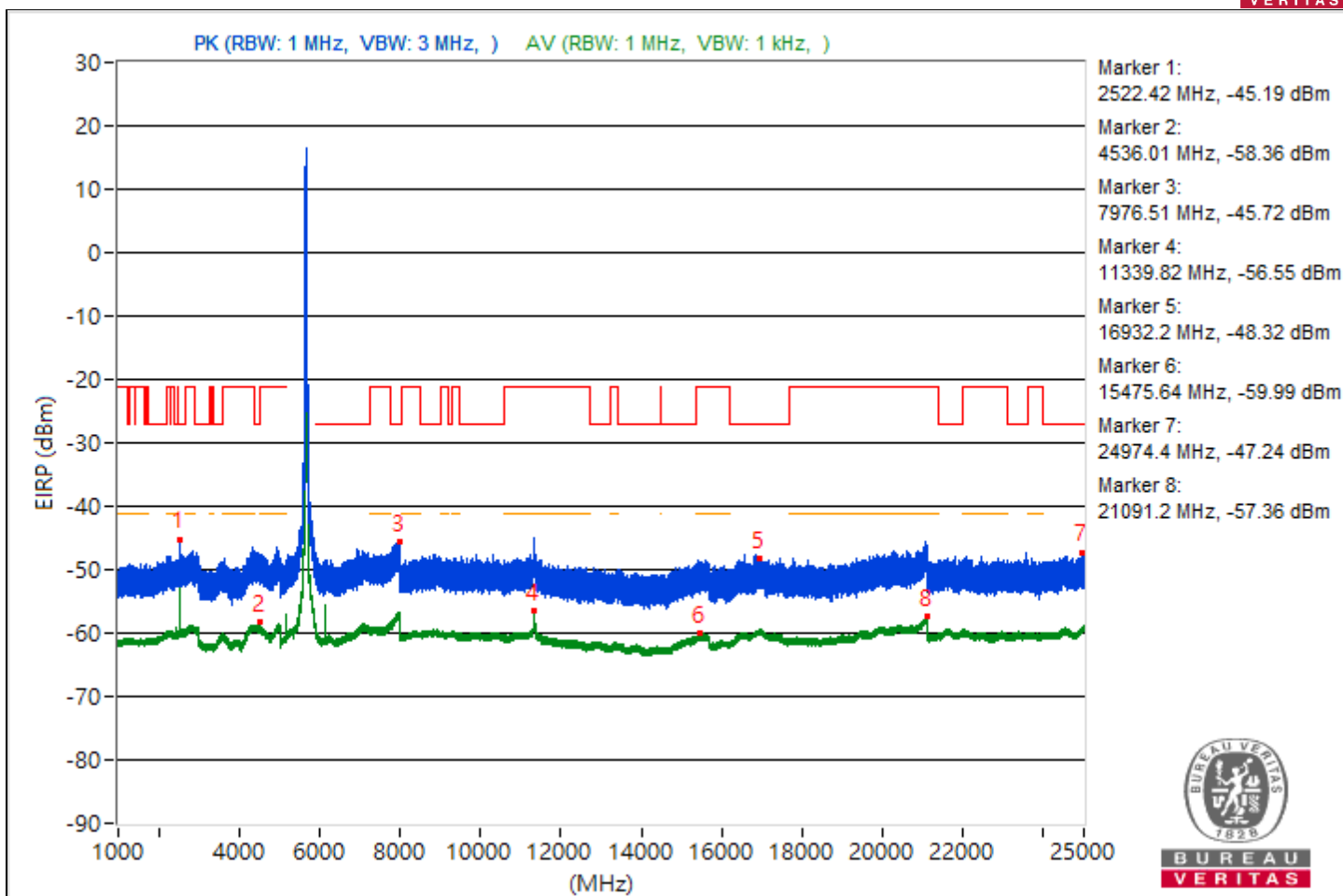


RF Mode	802.11ac (VHT40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2522.42	50.07 PK	68.26	-18.19	-51.17	-60.51	5.5	-45.19
2	4536.01	36.9 AV	54	-17.1	-67.56	-66.28	5.5	-58.36
3	#7976.51	49.54 PK	68.26	-18.72	-52.56	-56.96	5.5	-45.72
4	11339.82	38.71 AV	54	-15.29	-65.67	-64.53	5.5	-56.55
5	#16932.2	46.94 PK	68.26	-21.32	-58.8	-55.48	5.5	-48.32
6	15475.64	35.27 AV	54	-18.73	-68.72	-68.29	5.5	-59.99
7	#24974.4	48.02 PK	68.26	-20.24	-54.37	-57.78	5.5	-47.24
8	21091.2	37.9 AV	54	-16.1	-65.61	-66.16	5.5	-57.36
9	#38486.84	41.08 PK	68.26	-27.18	-64.75	-61.3	5.5	-54.18
10	38898.93	32.25 AV	54	-21.75	-71.11	-71.97	5.5	-63.01

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

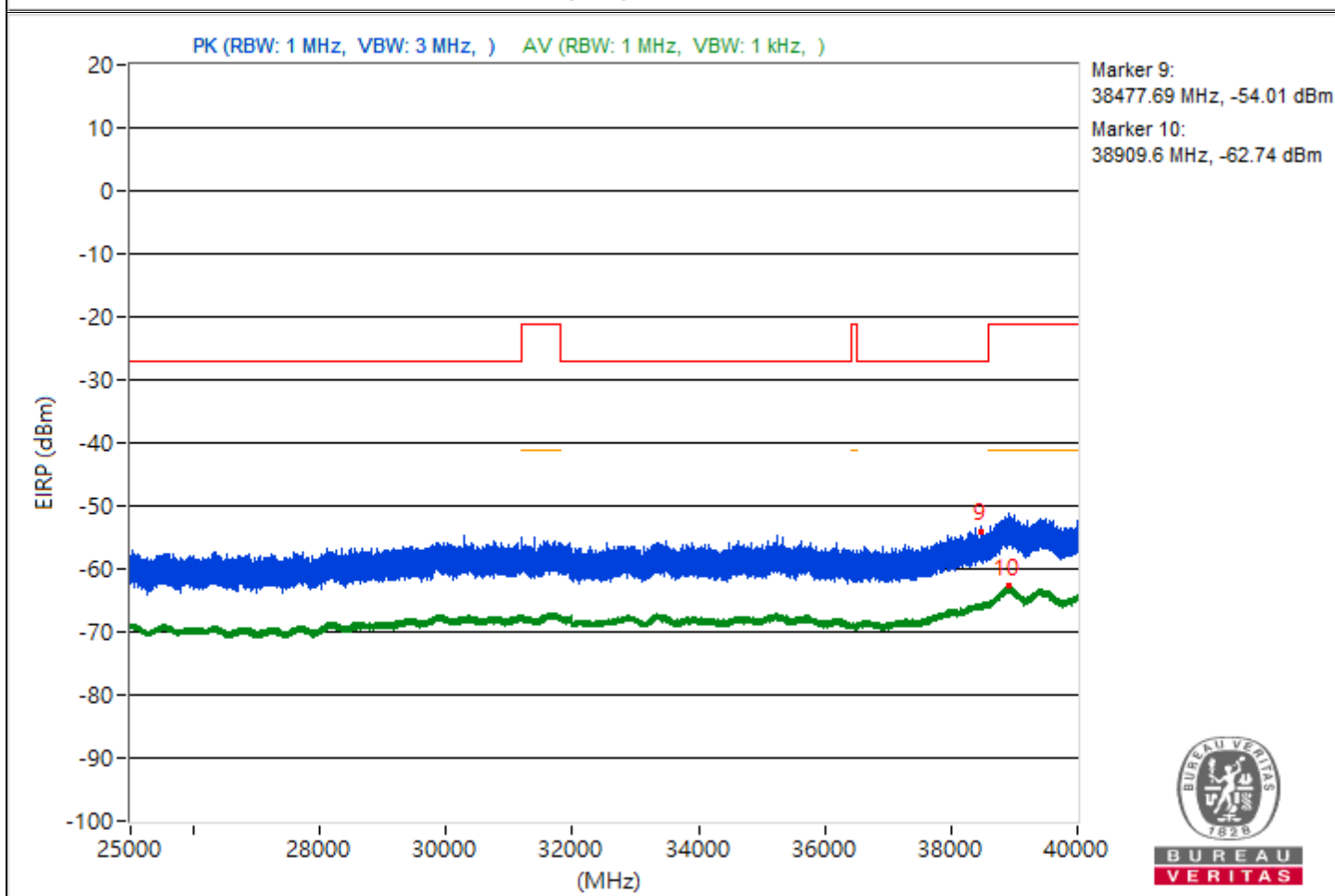
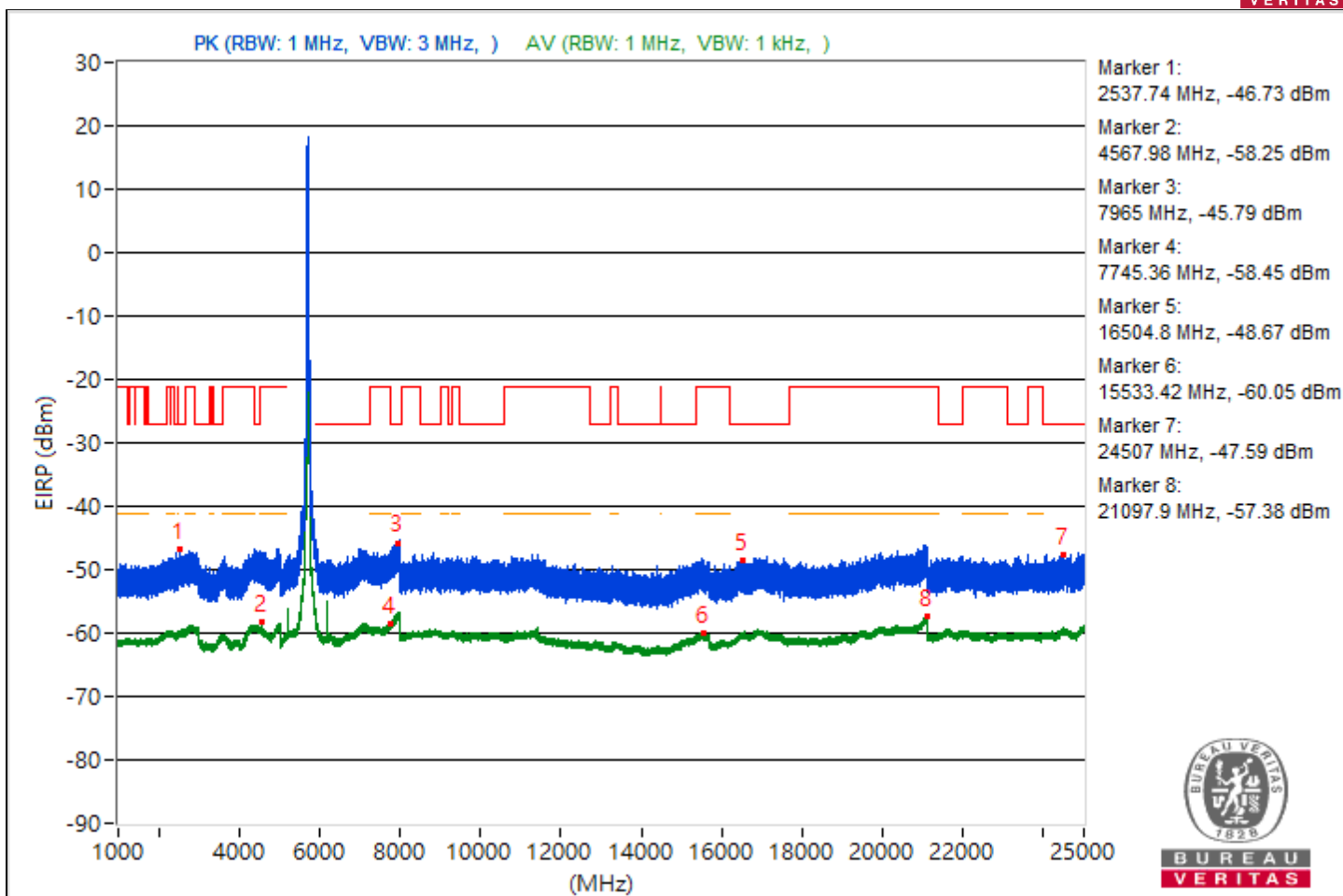


RF Mode	802.11ac (VHT40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2537.74	48.53 PK	68.26	-19.73	-60.37	-52.95	5.5	-46.73
2	4567.98	37.01 AV	54	-16.99	-67.55	-66.09	5.5	-58.25
3	#7965	49.47 PK	68.26	-18.79	-57.66	-52.43	5.5	-45.79
4	7745.36	36.81 AV	54	-17.19	-66.9	-67.01	5.5	-58.45
5	#16504.8	46.59 PK	68.26	-21.67	-55.05	-61.54	5.5	-48.67
6	15533.42	35.21 AV	54	-18.79	-68.41	-68.72	5.5	-60.05
7	#24507	47.67 PK	68.26	-20.59	-59.54	-54.21	5.5	-47.59
8	21097.9	37.88 AV	54	-16.12	-65.43	-66.4	5.5	-57.38
9	#38477.69	41.25 PK	68.26	-27.01	-65.1	-60.91	5.5	-54.01
10	38909.6	32.52 AV	54	-21.48	-71.15	-71.35	5.5	-62.74

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

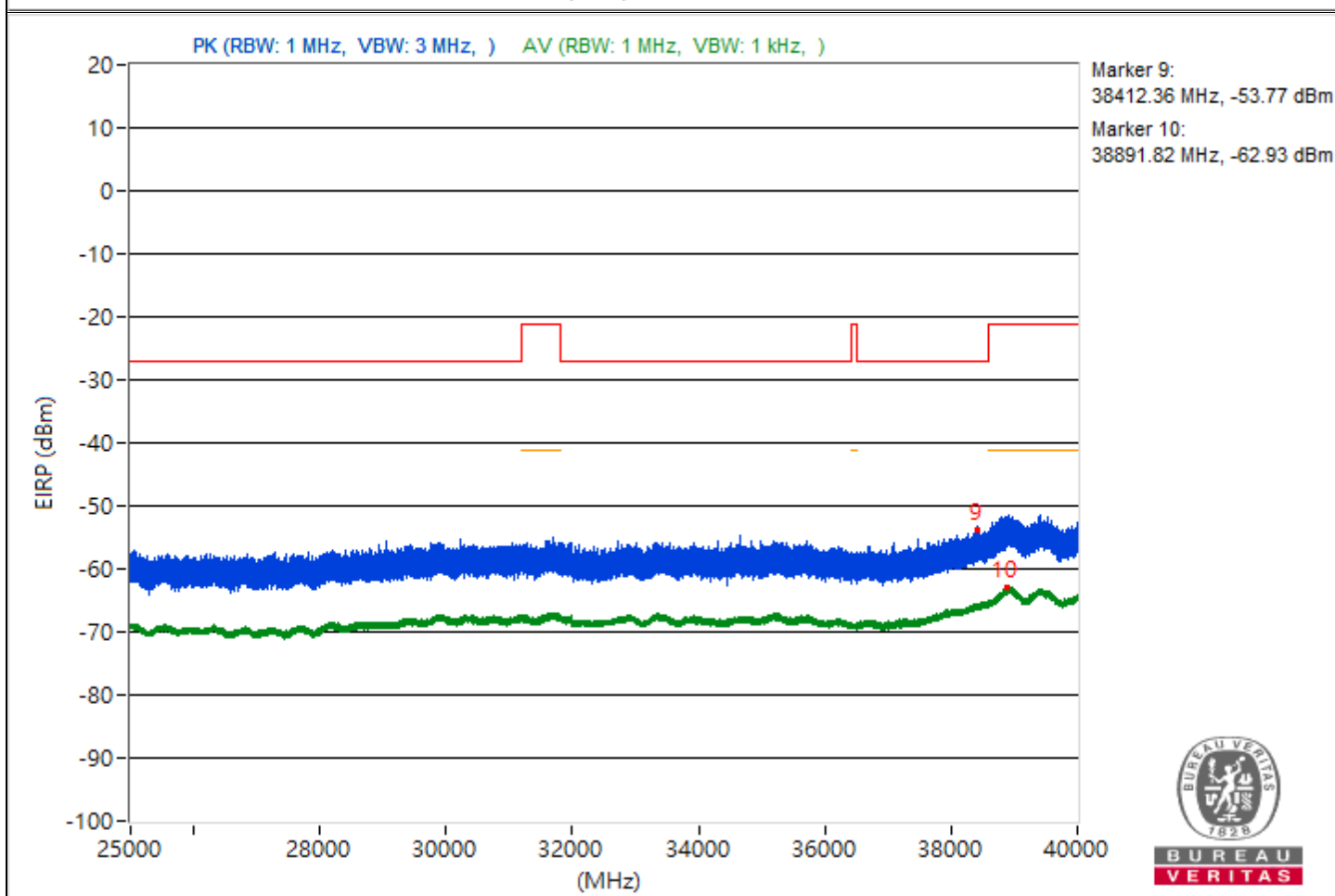
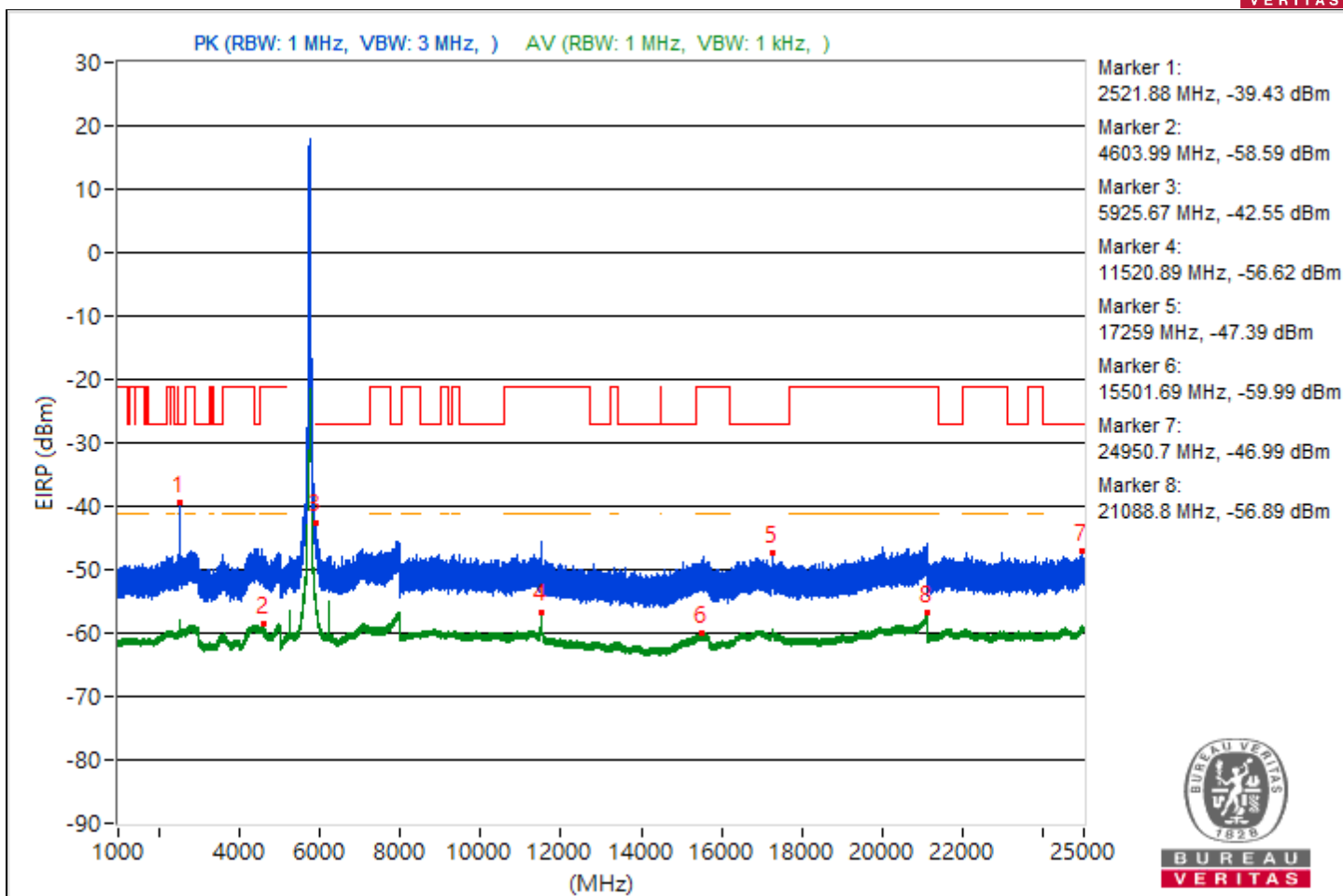


RF Mode	802.11ac (VHT40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2521.88	55.83 PK	68.26	-12.43	-45.34	-55.35	5.5	-39.43
2	4603.99	36.67 AV	54	-17.33	-67.82	-66.49	5.5	-58.59
3	#5925.67	52.71 PK	68.26	-15.55	-49.55	-53.39	5.5	-42.55
4	11520.89	38.64 AV	54	-15.36	-65.69	-64.64	5.5	-56.62
5	#17259	47.87 PK	68.26	-20.39	-54.06	-59.13	5.5	-47.39
6	15501.69	35.27 AV	54	-18.73	-68.38	-68.63	5.5	-59.99
7	#24950.7	48.27 PK	68.26	-19.99	-54.64	-56.57	5.5	-46.99
8	21088.8	38.37 AV	54	-15.63	-65.88	-64.97	5.5	-56.89
9	#38412.36	41.49 PK	68.26	-26.77	-64.48	-60.83	5.5	-53.77
10	38891.82	32.33 AV	54	-21.67	-71.17	-71.73	5.5	-62.93

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

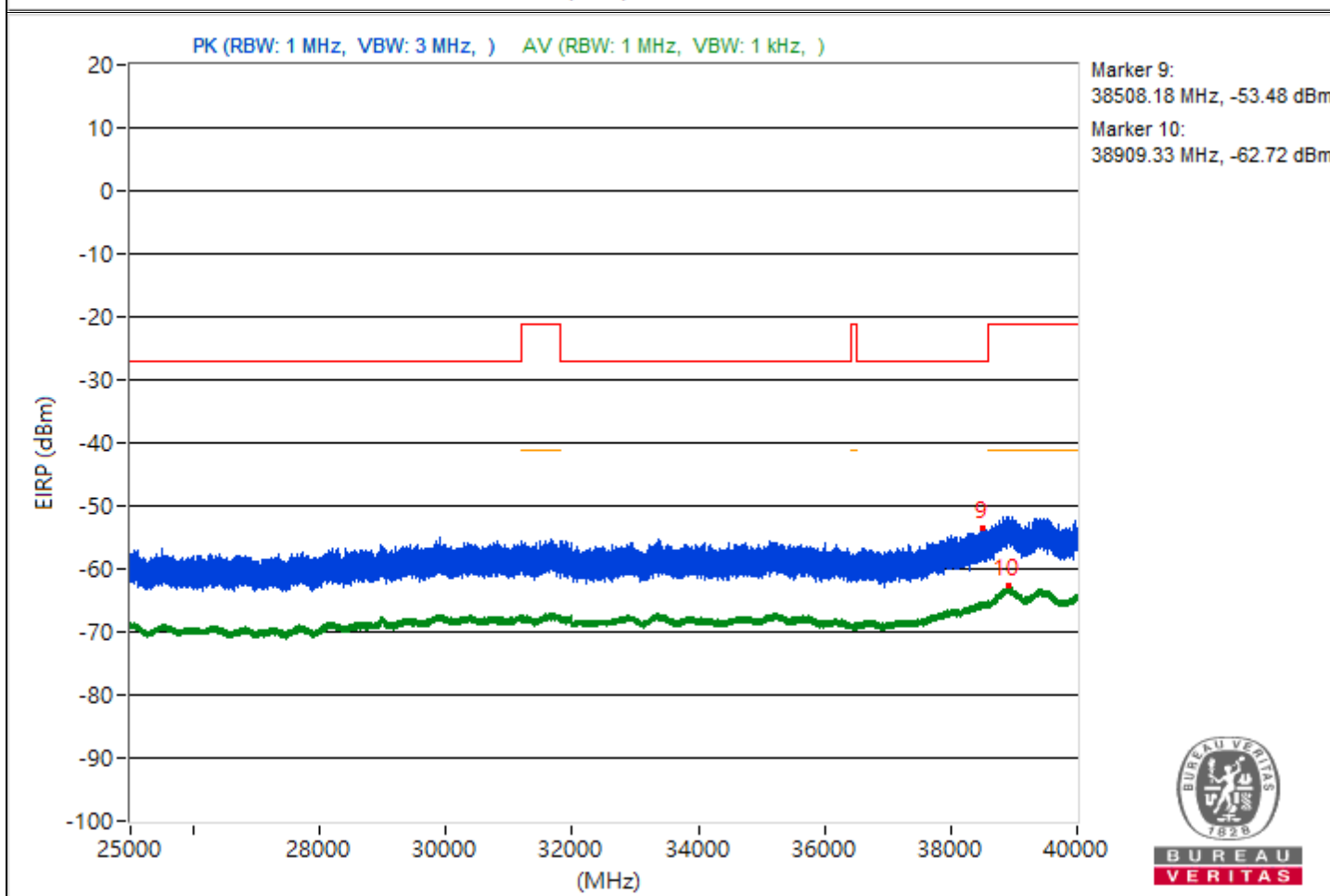
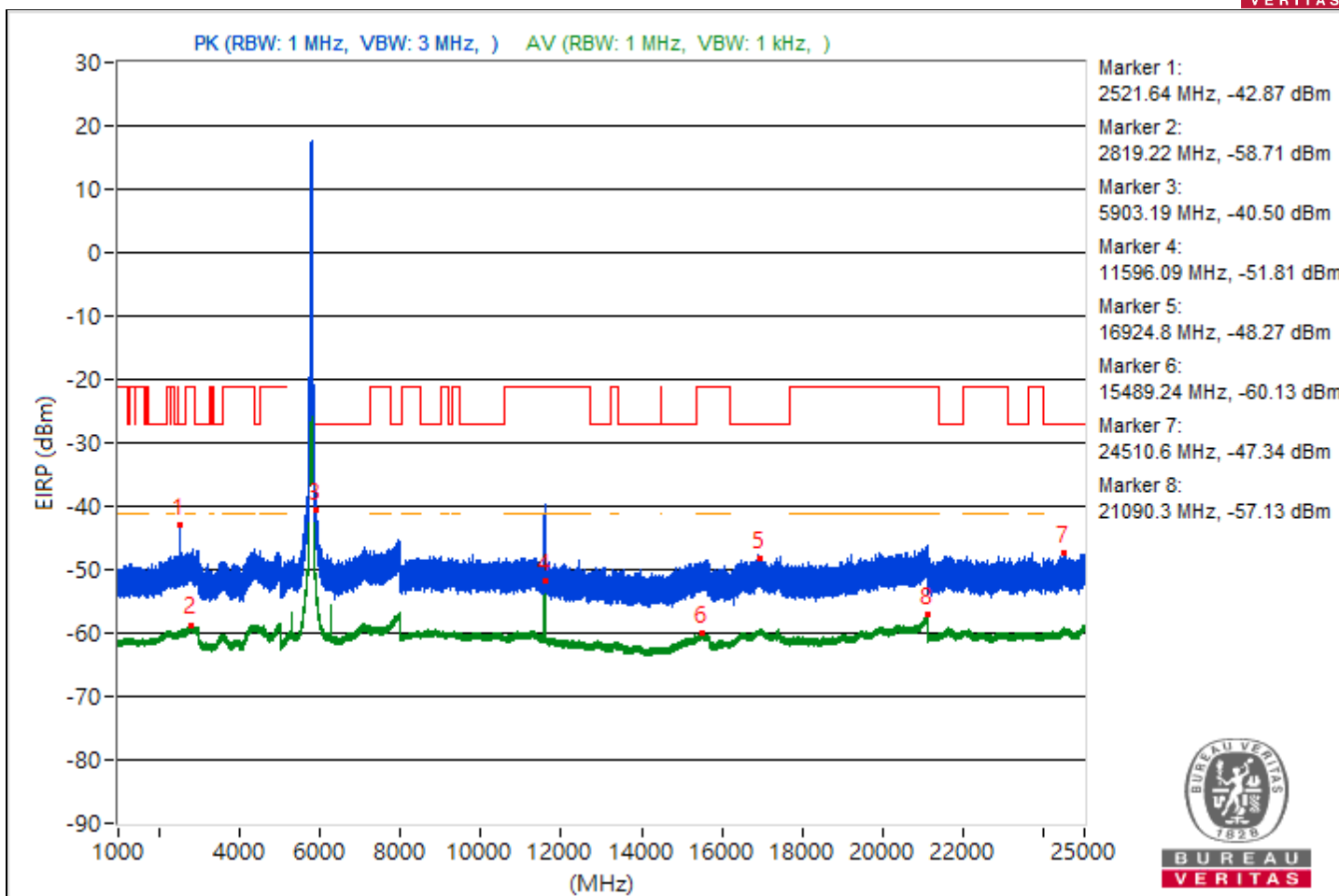


RF Mode	802.11ac (VHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

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	#2521.64	52.39 PK	68.26	-15.87	-54.67	-49.53	5.5	-42.87
2	2819.22	36.55 AV	54	-17.45	-66.66	-67.86	5.5	-58.71
3	#5903.19	54.76 PK	68.26	-13.5	-46.93	-53.17	5.5	-40.5
4	11596.09	43.45 AV	54	-10.55	-61.16	-59.61	5.5	-51.81
5	#16924.8	46.99 PK	68.26	-21.27	-61.44	-54.59	5.5	-48.27
6	15489.24	35.13 AV	54	-18.87	-69.06	-68.26	5.5	-60.13
7	#24510.6	47.92 PK	68.26	-20.34	-57.61	-54.6	5.5	-47.34
8	21090.3	38.13 AV	54	-15.87	-65.93	-65.38	5.5	-57.13
9	#38508.18	41.78 PK	68.26	-26.48	-65.24	-60.15	5.5	-53.48
10	38909.33	32.54 AV	54	-21.46	-70.93	-71.55	5.5	-62.72

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

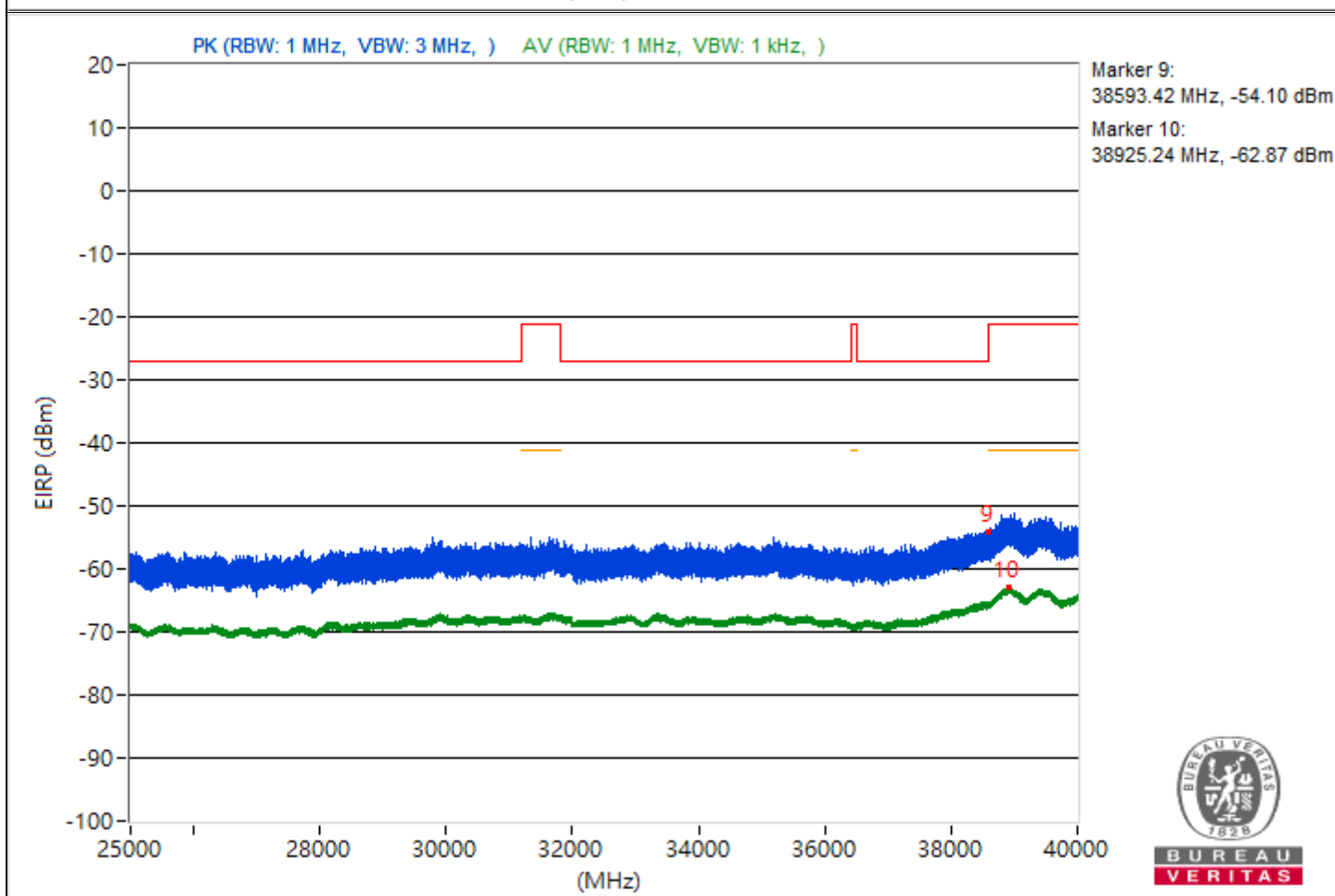
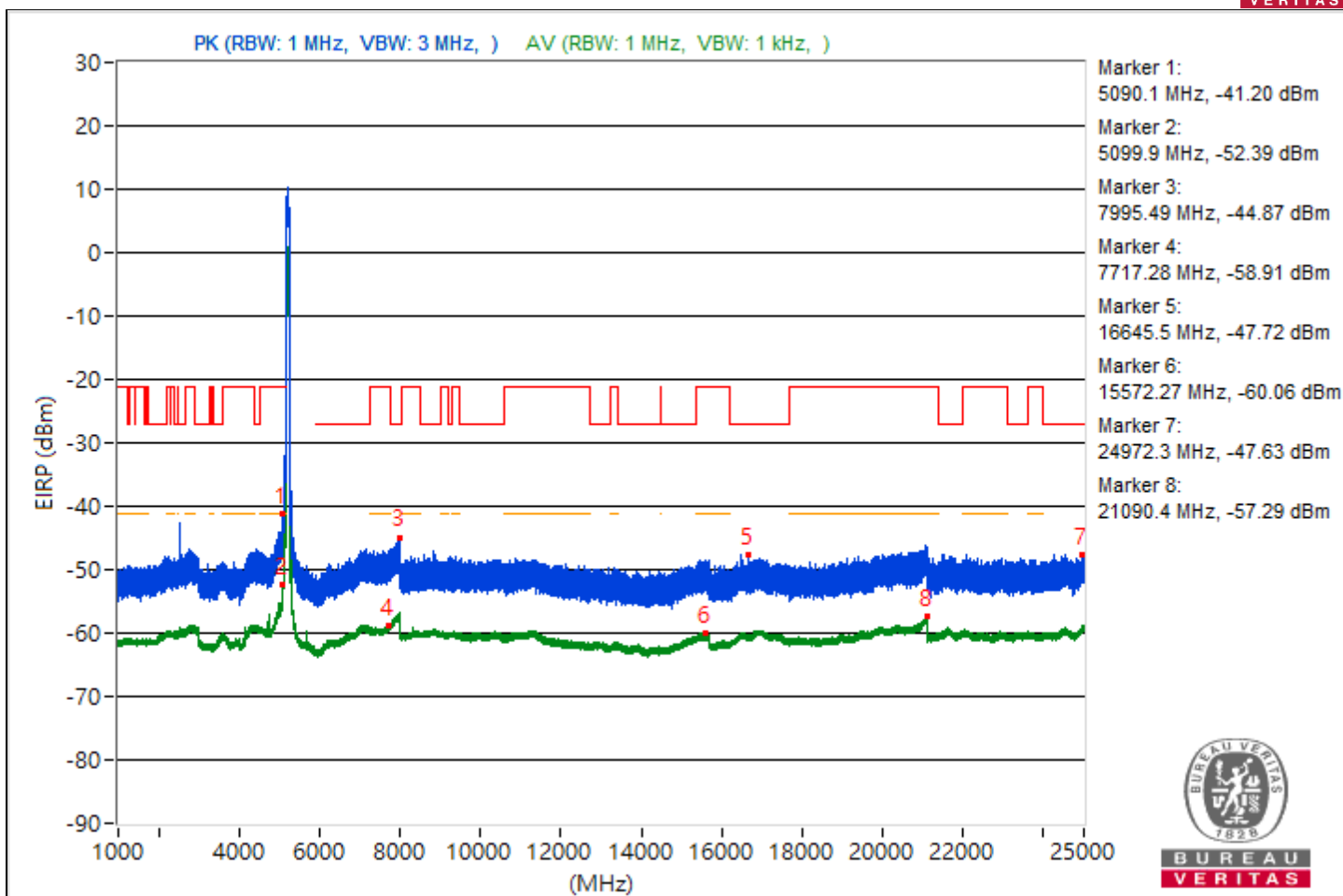


RF Mode	802.11ac (VHT80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 66% RH	Tested By	Rex Wang

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5090.1	54.06 PK	74	-19.94	-48.11	-52.27	5.5	-41.2
2	5099.9	42.87 AV	54	-11.13	-61.07	-60.74	5.5	-52.39
3	#7995.49	50.39 PK	68.26	-17.87	-54.43	-52.53	5.5	-44.87
4	7717.28	36.35 AV	54	-17.65	-67.83	-67.04	5.5	-58.91
5	#16645.5	47.54 PK	68.26	-20.72	-54.53	-59.08	5.5	-47.72
6	15572.27	35.2 AV	54	-18.8	-68.41	-68.74	5.5	-60.06
7	#24972.3	47.63 PK	68.26	-20.63	-54.57	-58.62	5.5	-47.63
8	21090.4	37.97 AV	54	-16.03	-66.01	-65.59	5.5	-57.29
9	#38593.42	41.16 PK	68.26	-27.1	-61.37	-64.36	5.5	-54.1
10	38925.24	32.39 AV	54	-21.61	-71.54	-71.22	5.5	-62.87

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

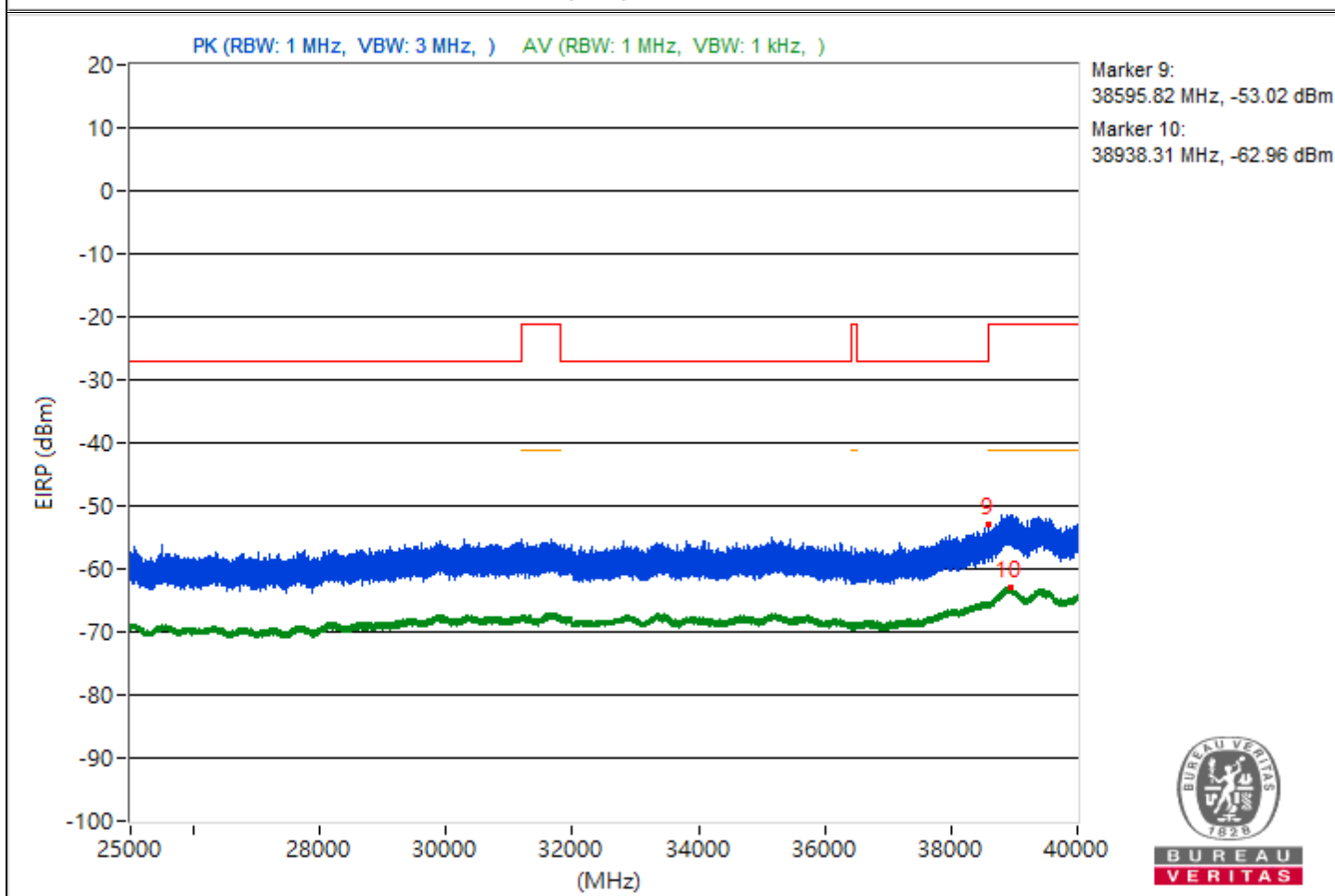
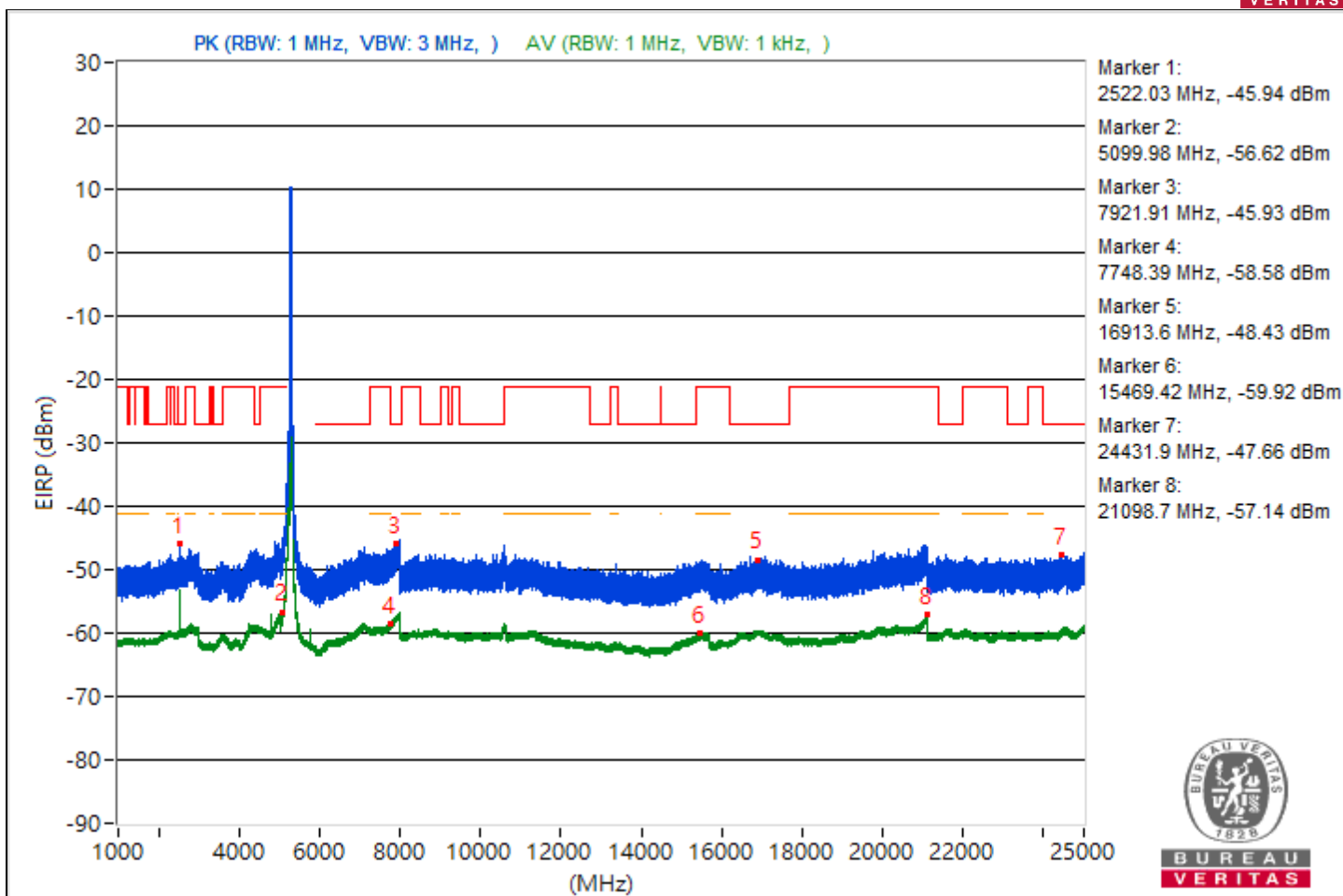


RF Mode	802.11ac (VHT80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 66% RH	Tested By	Rex Wang

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	#2522.03	49.32 PK	68.26	-18.94	-59.25	-52.23	5.5	-45.94
2	5099.98	38.64 AV	54	-15.36	-65.88	-64.49	5.5	-56.62
3	#7921.91	49.33 PK	68.26	-18.93	-57.13	-52.79	5.5	-45.93
4	7748.39	36.68 AV	54	-17.32	-66.87	-67.33	5.5	-58.58
5	#16913.6	46.83 PK	68.26	-21.43	-55.01	-60.49	5.5	-48.43
6	15469.42	35.34 AV	54	-18.66	-68.7	-68.18	5.5	-59.92
7	#24431.9	47.6 PK	68.26	-20.66	-59.44	-54.33	5.5	-47.66
8	21098.7	38.12 AV	54	-15.88	-65.69	-65.62	5.5	-57.14
9	#38595.82	42.24 PK	68.26	-26.02	-63.92	-60	5.5	-53.02
10	38938.31	32.3 AV	54	-21.7	-71.15	-71.82	5.5	-62.96

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

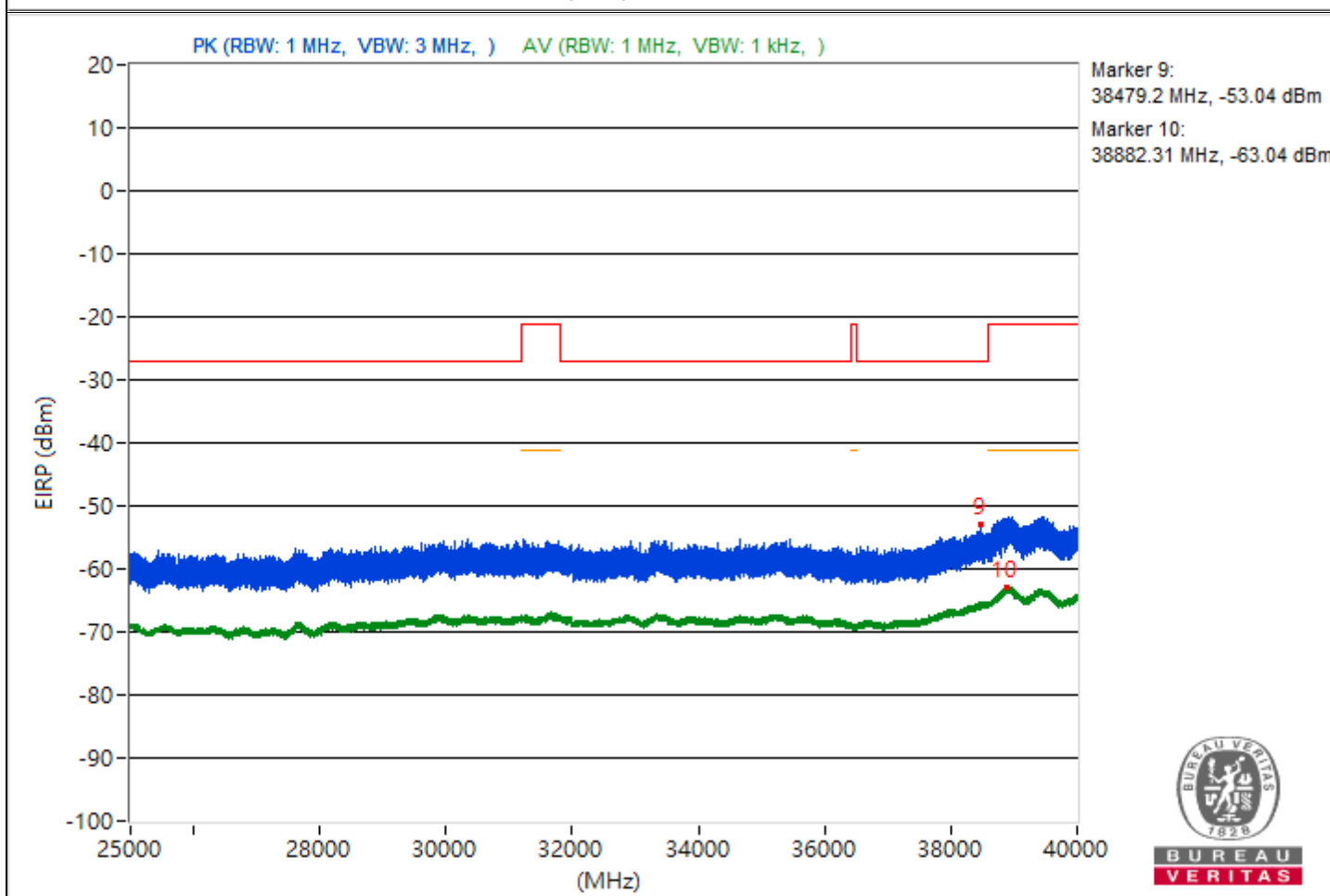
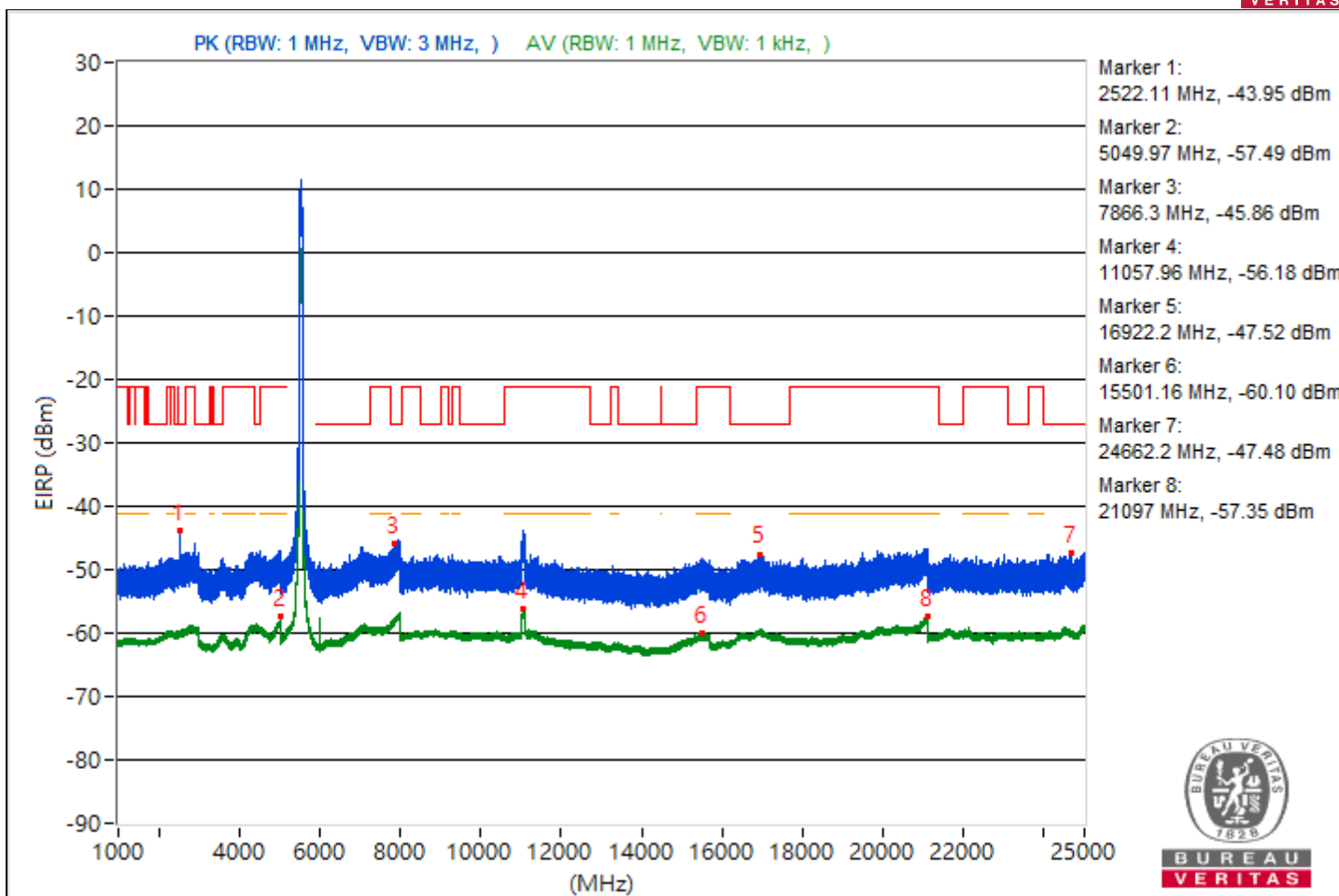


RF Mode	802.11ac (VHT80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 66% RH	Tested By	Rex Wang

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	#2522.11	51.31 PK	68.26	-16.95	-50.02	-58.59	5.5	-43.95
2	5049.97	37.77 AV	54	-16.23	-64.02	-69.74	5.5	-57.49
3	#7866.3	49.4 PK	68.26	-18.86	-52.77	-56.91	5.5	-45.86
4	11057.96	39.08 AV	54	-14.92	-64.26	-65.17	5.5	-56.18
5	#16922.2	47.74 PK	68.26	-20.52	-59.42	-54.15	5.5	-47.52
6	15501.16	35.16 AV	54	-18.84	-68.33	-68.9	5.5	-60.1
7	#24662.2	47.78 PK	68.26	-20.48	-54.07	-59.51	5.5	-47.48
8	21097	37.91 AV	54	-16.09	-65.58	-66.17	5.5	-57.35
9	#38479.2	42.22 PK	68.26	-26.04	-66.59	-59.28	5.5	-53.04
10	38882.31	32.22 AV	54	-21.78	-72.04	-71.1	5.5	-63.04

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

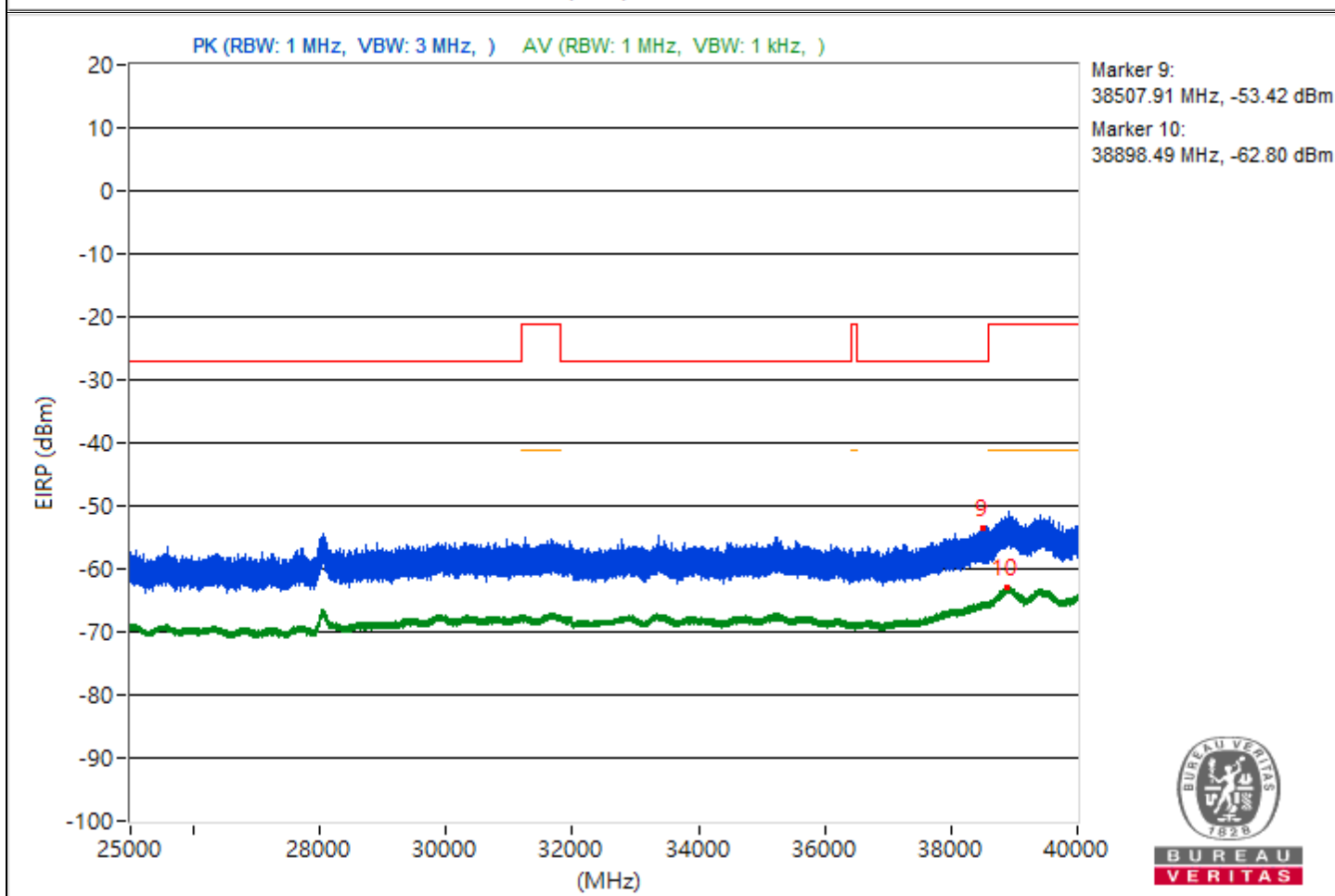
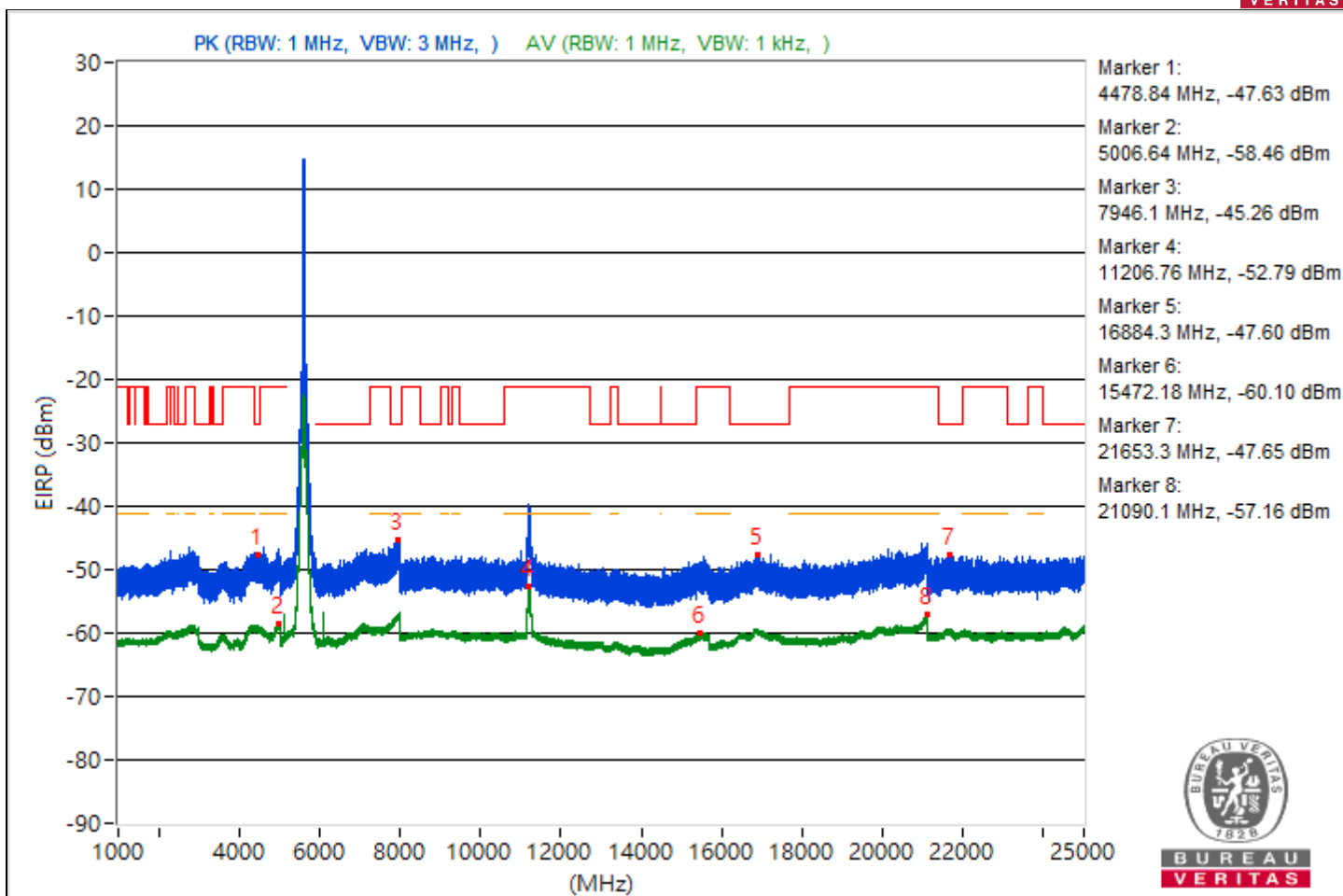


RF Mode	802.11ac (VHT80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 66% RH	Tested By	Rex Wang

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	#4478.84	47.63 PK	68.26	-20.63	-58.21	-54.74	5.5	-47.63
2	5006.64	36.8 AV	54	-17.2	-66.59	-67.37	5.5	-58.46
3	#7946.1	50 PK	68.26	-18.26	-56.23	-52.21	5.5	-45.26
4	11206.76	42.47 AV	54	-11.53	-61.16	-61.44	5.5	-52.79
5	#16884.3	47.66 PK	68.26	-20.6	-58.46	-54.59	5.5	-47.6
6	15472.18	35.16 AV	54	-18.84	-69.07	-68.19	5.5	-60.1
7	#21653.3	47.61 PK	68.26	-20.65	-59.57	-54.27	5.5	-47.65
8	21090.1	38.1 AV	54	-15.9	-65.47	-65.88	5.5	-57.16
9	#38507.91	41.84 PK	68.26	-26.42	-65.33	-60.05	5.5	-53.42
10	38898.49	32.46 AV	54	-21.54	-71.22	-71.41	5.5	-62.8

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

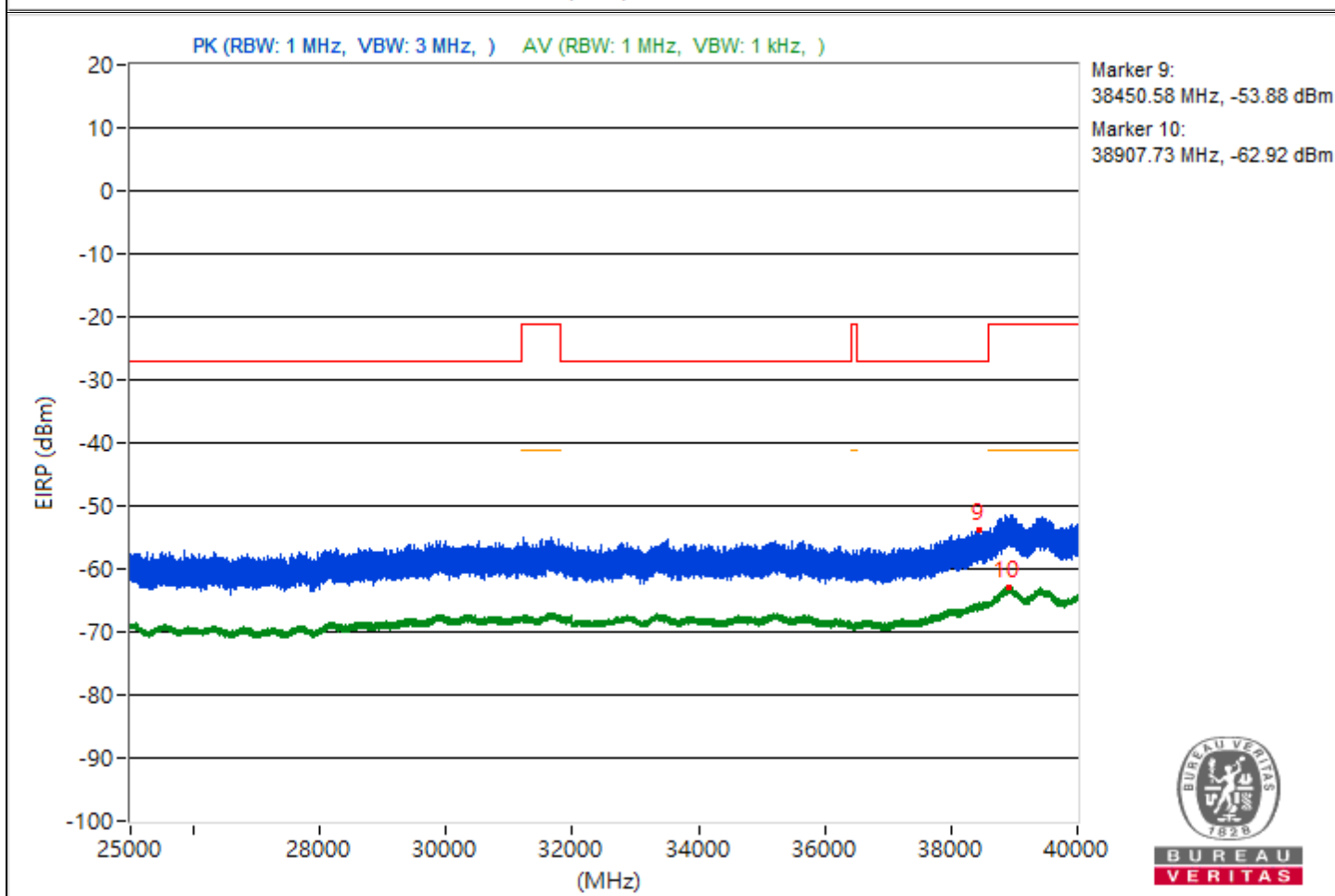
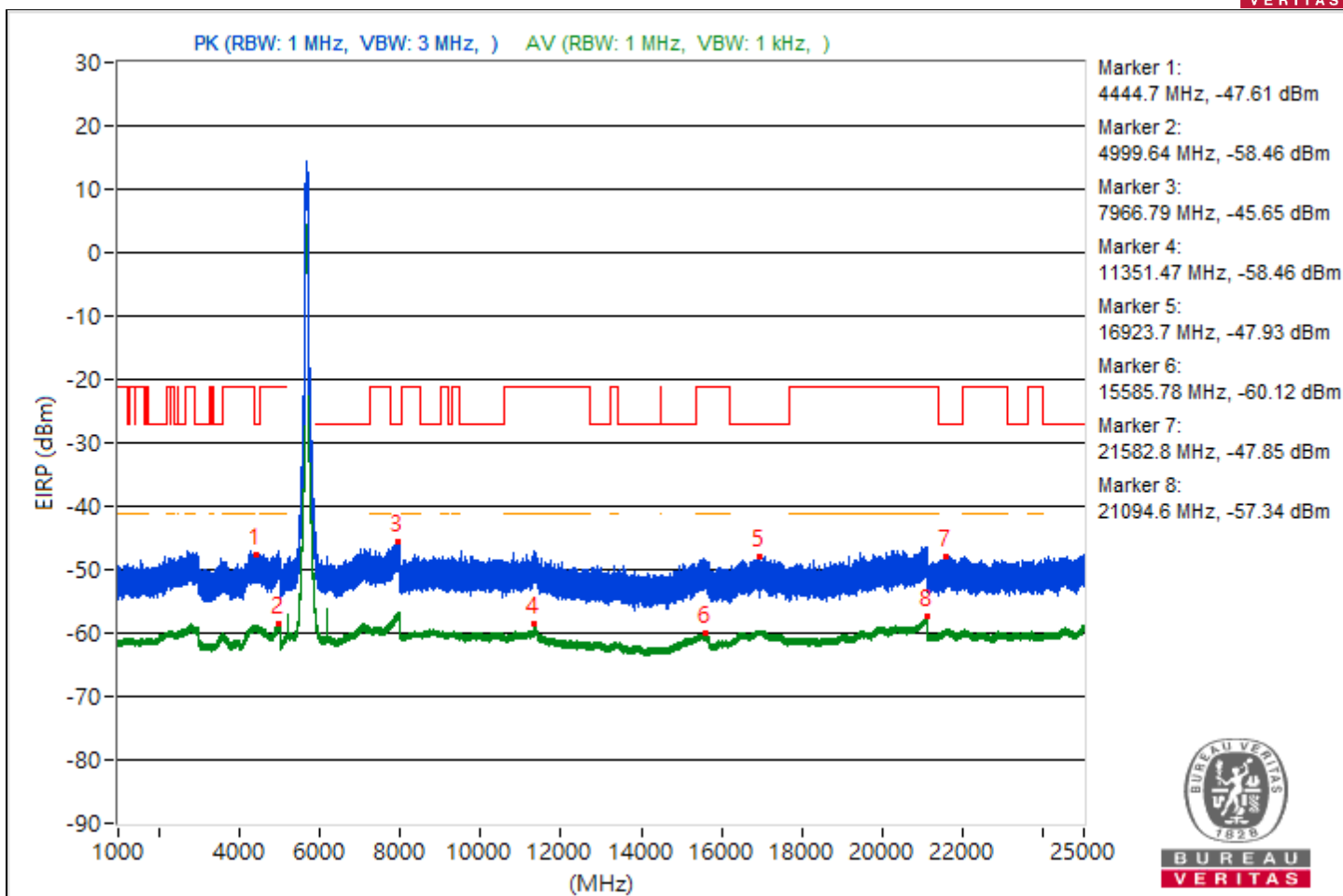


RF Mode	802.11ac (VHT80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 66% RH	Tested By	Rex Wang

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	#4444.7	47.65 PK	68.26	-20.61	-53.98	-60.53	5.5	-47.61
2	4999.64	36.8 AV	54	-17.2	-67.15	-66.8	5.5	-58.46
3	#7966.79	49.61 PK	68.26	-18.65	-55.16	-53.35	5.5	-45.65
4	11351.47	36.8 AV	54	-17.2	-67.37	-66.6	5.5	-58.46
5	#16923.7	47.33 PK	68.26	-20.93	-58.36	-55.11	5.5	-47.93
6	15585.78	35.14 AV	54	-18.86	-69.12	-68.19	5.5	-60.12
7	#21582.8	47.41 PK	68.26	-20.85	-59.17	-54.68	5.5	-47.85
8	21094.6	37.92 AV	54	-16.08	-66	-65.71	5.5	-57.34
9	#38450.58	41.38 PK	68.26	-26.88	-60.54	-65.67	5.5	-53.88
10	38907.73	32.34 AV	54	-21.66	-71.63	-71.24	5.5	-62.92

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

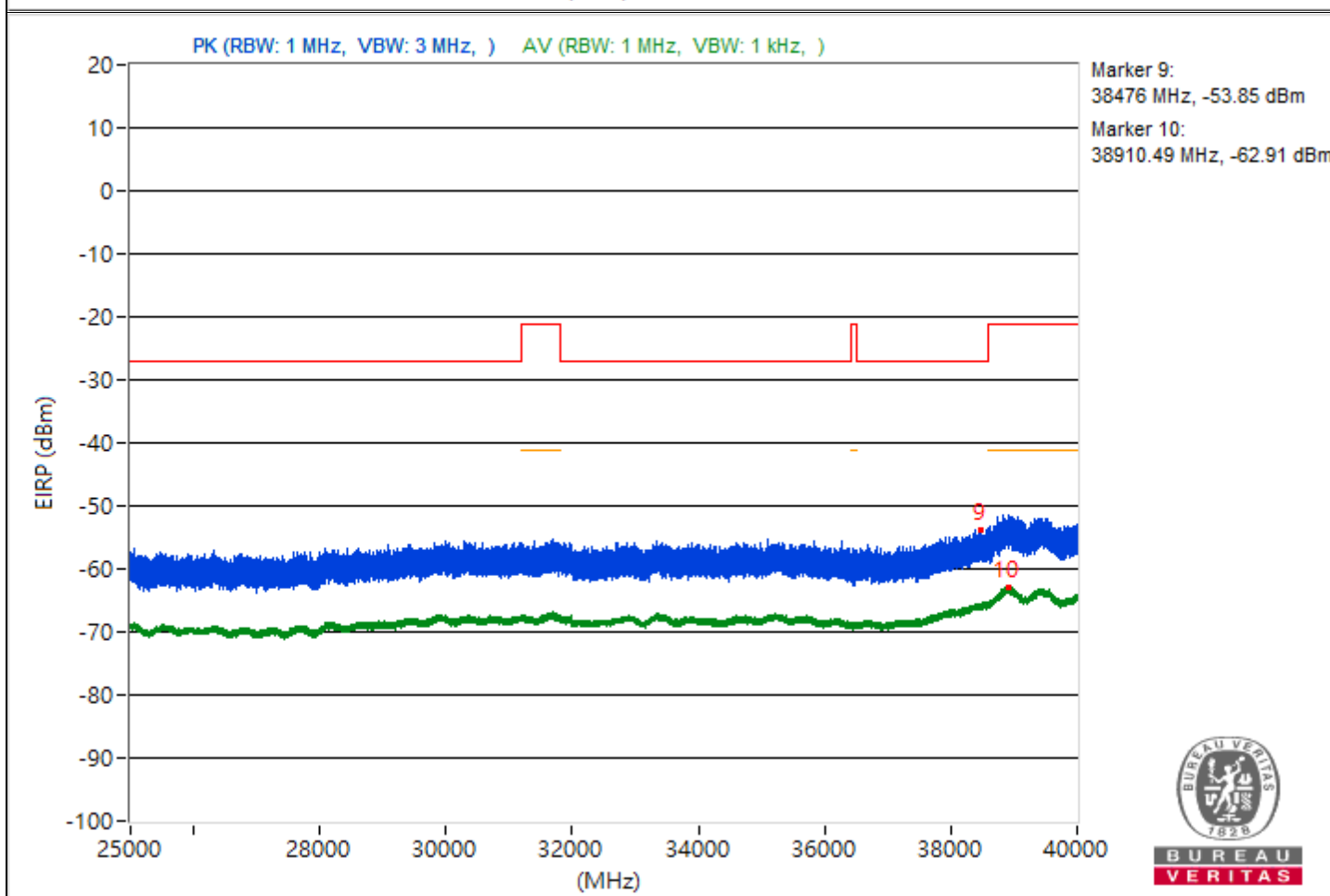
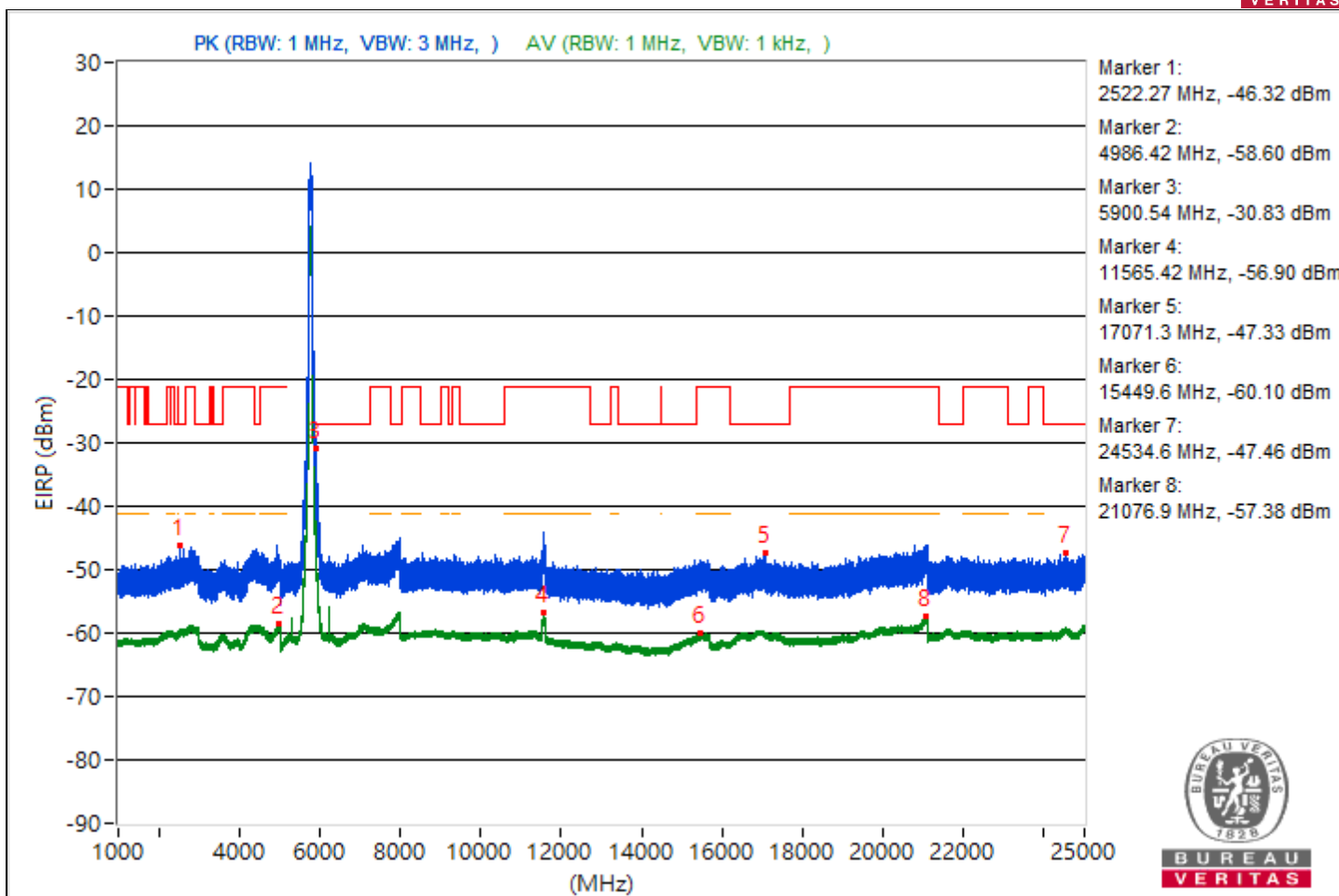


RF Mode	802.11ac (VHT80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 66% RH	Tested By	Rex Wang

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	#2522.27	48.94 PK	68.26	-19.32	-58.47	-52.88	5.5	-46.32
2	4986.42	36.66 AV	54	-17.34	-66.91	-67.31	5.5	-58.6
3	#5900.54	64.43 PK	68.26	-3.83	-36.65	-47.76	5.5	-30.83
4	11565.42	38.36 AV	54	-15.64	-65.71	-65.13	5.5	-56.9
5	#17071.3	47.93 PK	68.26	-20.33	-54.4	-58.02	5.5	-47.33
6	15449.6	35.16 AV	54	-18.84	-68.31	-68.94	5.5	-60.1
7	#24534.6	47.8 PK	68.26	-20.46	-58.59	-54.34	5.5	-47.46
8	21076.9	37.88 AV	54	-16.12	-66.13	-65.66	5.5	-57.38
9	#38476	41.41 PK	68.26	-26.85	-60.75	-64.94	5.5	-53.85
10	38910.49	32.35 AV	54	-21.65	-71.09	-71.77	5.5	-62.91

Notes:

1. Margin value = Emission Level - Limit value
2. " # ": The radiated frequency is out of the restricted band.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



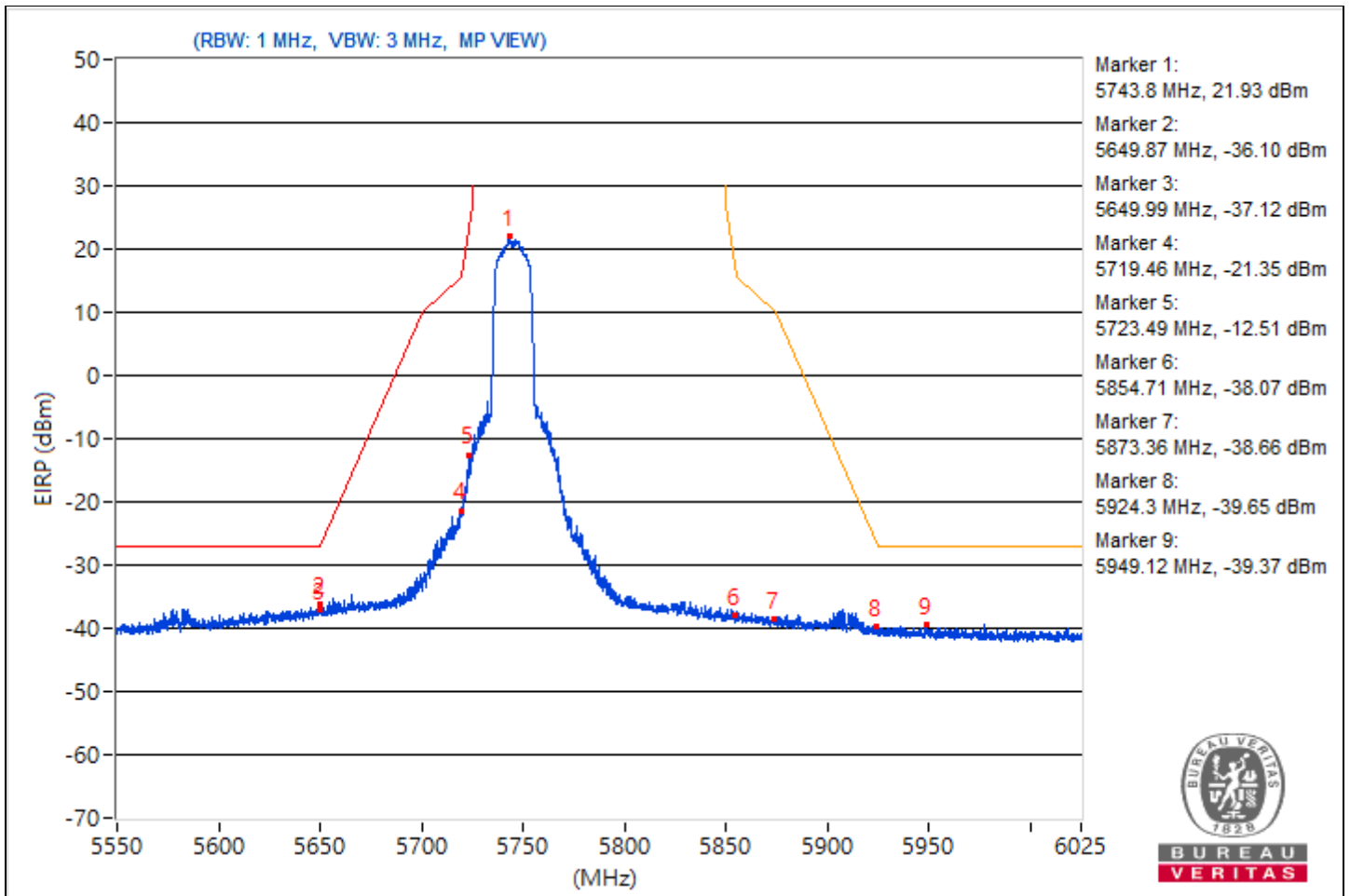
Conducted Band Edges

RF Mode	802.11ac (VHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5743.8	117.19			12.73	14.53	5.2	21.93
2	#5649.87	59.16	68.26	-9.1	-46.33	-42.94	5.2	-36.1
3	#5649.99	58.14	68.26	-10.12	-47	-44.13	5.2	-37.12
4	#5719.46	73.91	110.71	-36.8	-28.76	-30.54	5.2	-21.35
5	#5723.49	82.75	118.83	-36.08	-18.53	-25.34	5.2	-12.51
6	#5854.71	57.19	111.52	-54.33	-47.51	-45.33	5.2	-38.07
7	#5873.36	56.6	105.72	-49.12	-47.64	-46.23	5.2	-38.66
8	#5924.3	55.61	68.78	-13.17	-48.32	-47.44	5.2	-39.65
9	#5949.12	55.89	68.26	-12.37	-46.68	-48.72	5.2	-39.37

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

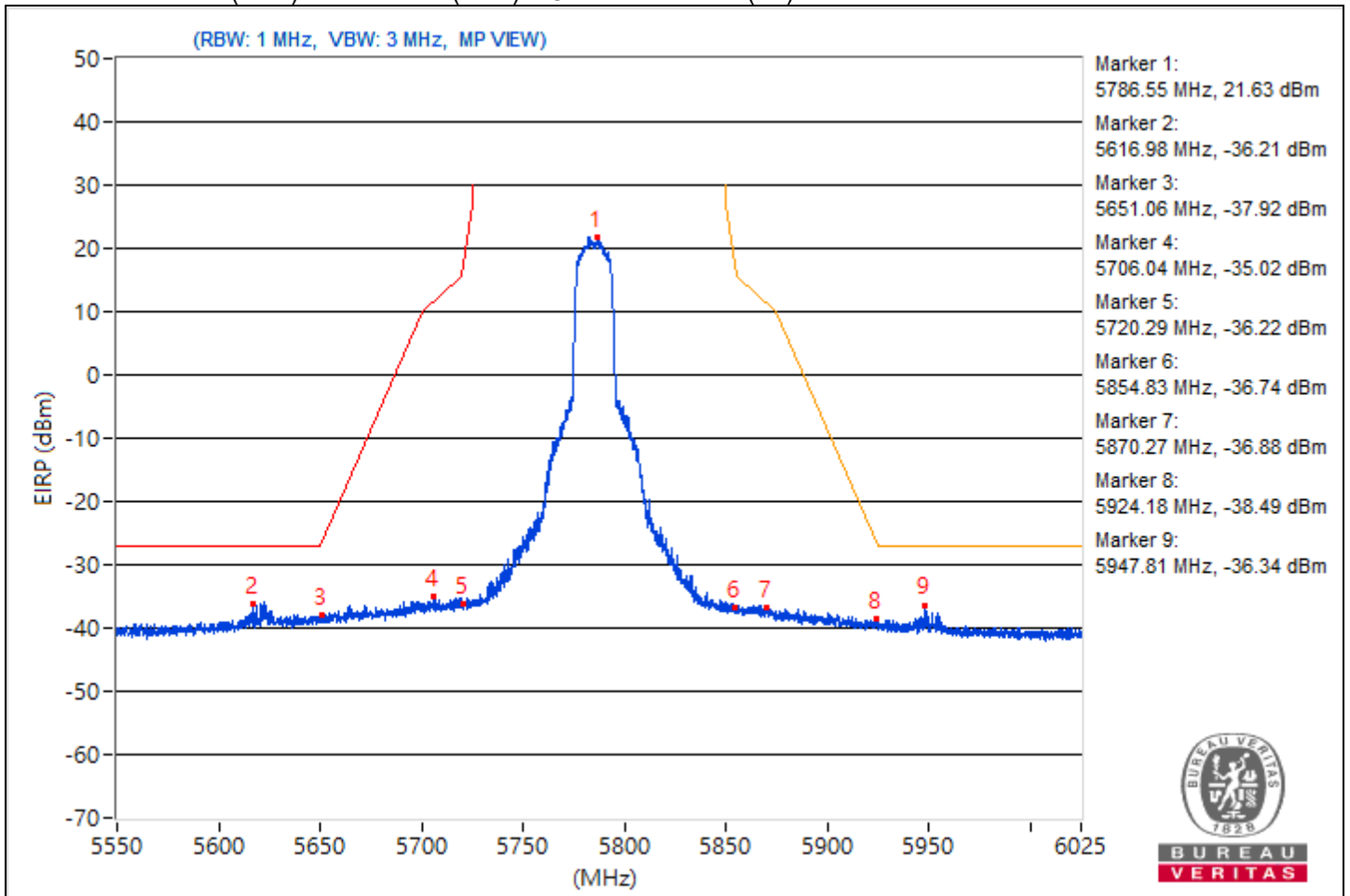


RF Mode	802.11ac (VHT20)	Channel	CH 157 : 5785 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5786.55	116.89			12.52	14.17	5.2	21.63
2	#5616.98	59.05	68.26	-9.21	-47.13	-42.76	5.2	-36.21
3	#5651.06	57.34	69.04	-11.7	-46.46	-45.82	5.2	-37.92
4	#5706.04	60.24	106.95	-46.71	-43.57	-42.92	5.2	-35.02
5	#5720.29	59.04	111.52	-52.48	-45.97	-43.29	5.2	-36.22
6	#5854.83	58.52	111.24	-52.72	-44.88	-45.03	5.2	-36.74
7	#5870.27	58.38	106.58	-48.2	-44.1	-46.38	5.2	-36.88
8	#5924.18	56.77	68.87	-12.1	-46.27	-47.19	5.2	-38.49
9	#5947.81	58.92	68.26	-9.34	-47.53	-42.8	5.2	-36.34

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

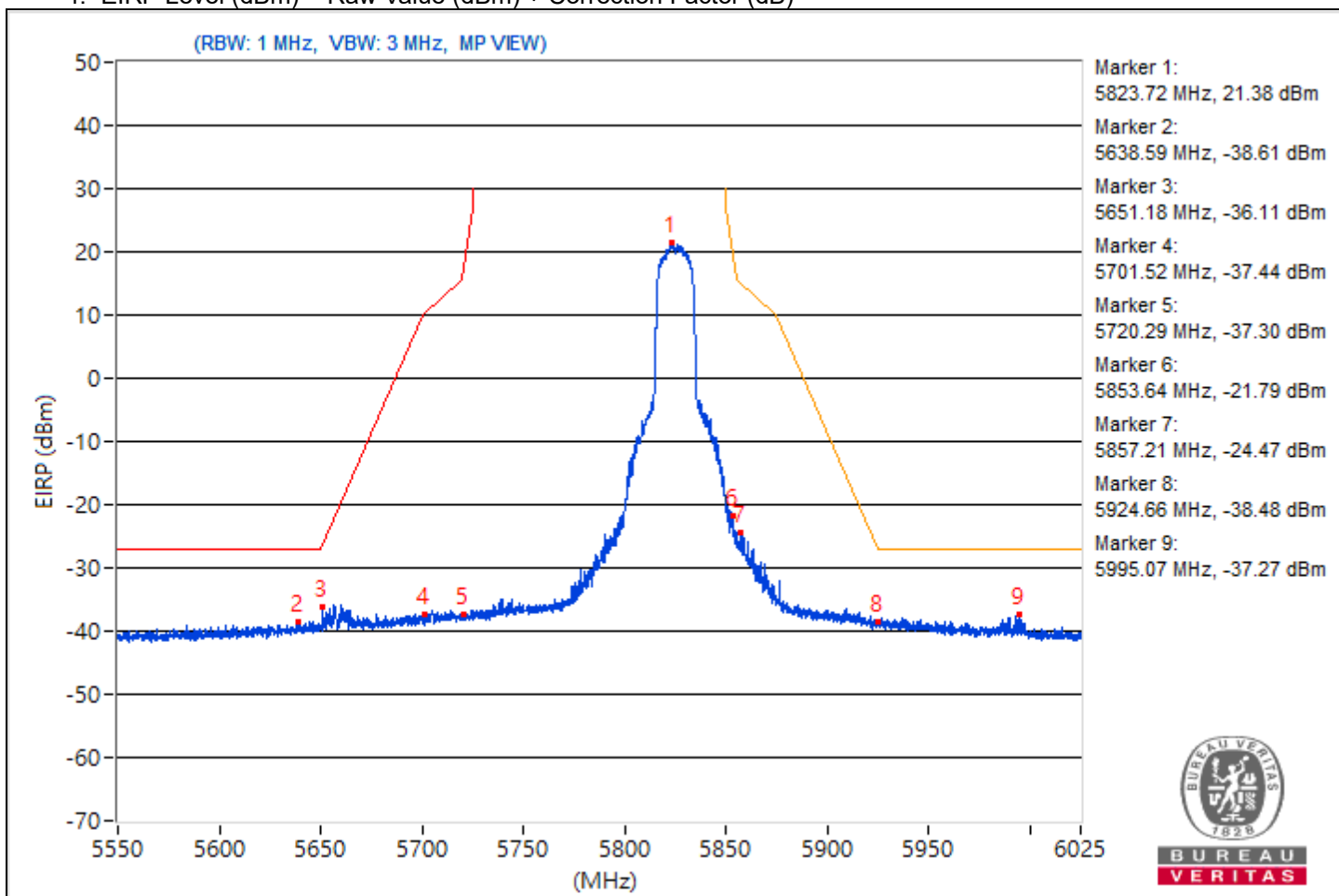


RF Mode	802.11ac (VHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5823.72	116.64			11.99	14.1	5.2	21.38
2	#5638.59	56.65	68.26	-11.61	-45.73	-48.28	5.2	-38.61
3	#5651.18	59.15	69.13	-9.98	-47.1	-42.64	5.2	-36.11
4	#5701.52	57.82	105.69	-47.87	-46.36	-45.04	5.2	-37.44
5	#5720.29	57.96	111.52	-53.56	-46.21	-44.9	5.2	-37.3
6	#5853.64	73.47	113.95	-40.48	-27.46	-36.9	5.2	-21.79
7	#5857.21	70.79	110.24	-39.45	-30.31	-38.3	5.2	-24.47
8	#5924.66	56.78	68.51	-11.73	-47.1	-46.32	5.2	-38.48
9	#5995.07	57.99	68.26	-10.27	-44.03	-47.67	5.2	-37.27

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

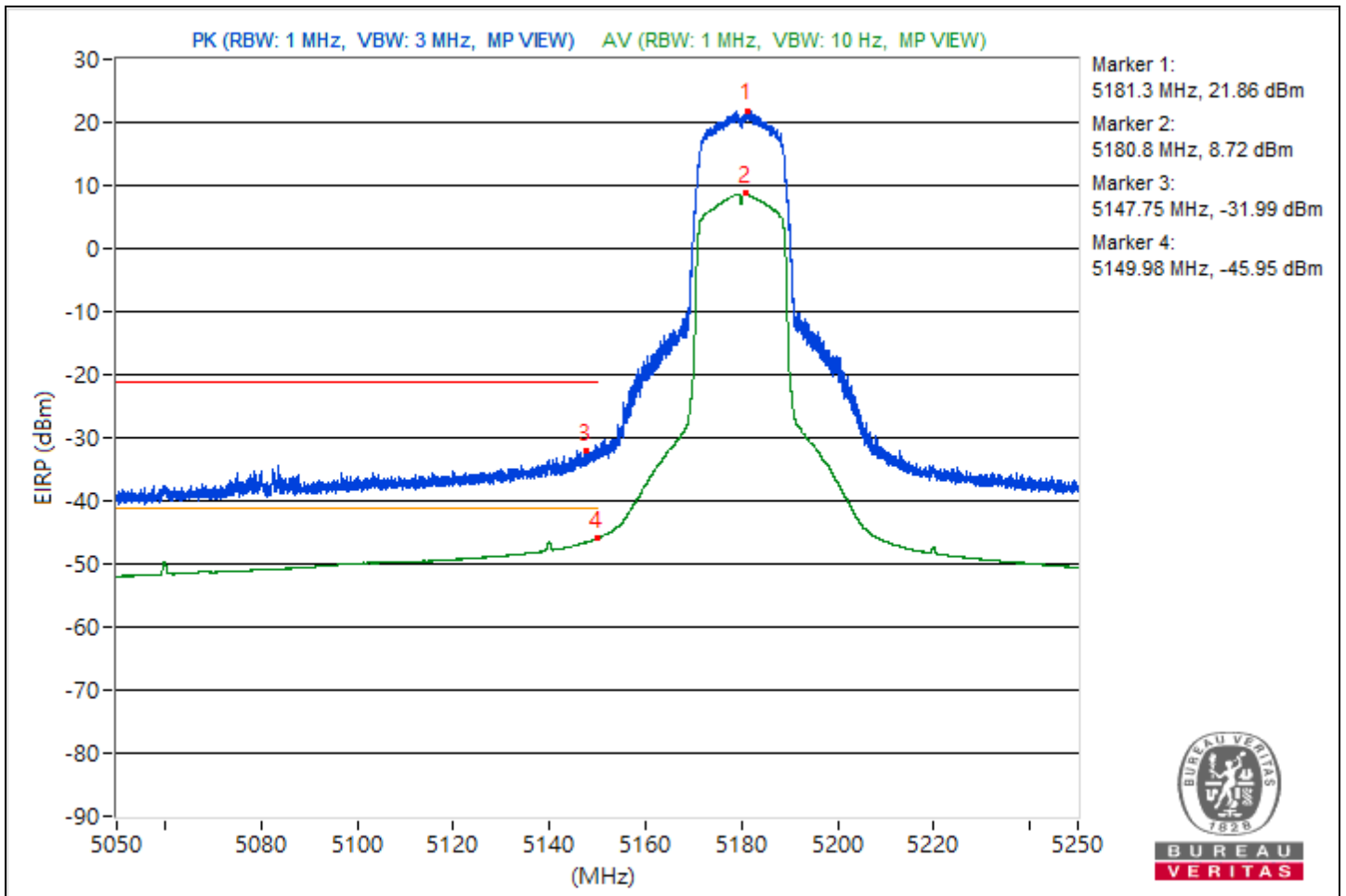


RF Mode	802.11ac (VHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5181.3	117.12 PK	-	-	12.42	14.78	5.09	21.86
2	*5180.8	103.98 AV	-	-	0.56	0.69	5.09	8.72
3	5147.75	63.27 PK	74	-10.73	-39.62	-40.62	5.09	-31.99
4	5149.98	49.31 AV	54	-4.69	-55.15	-53.18	5.09	-45.95

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

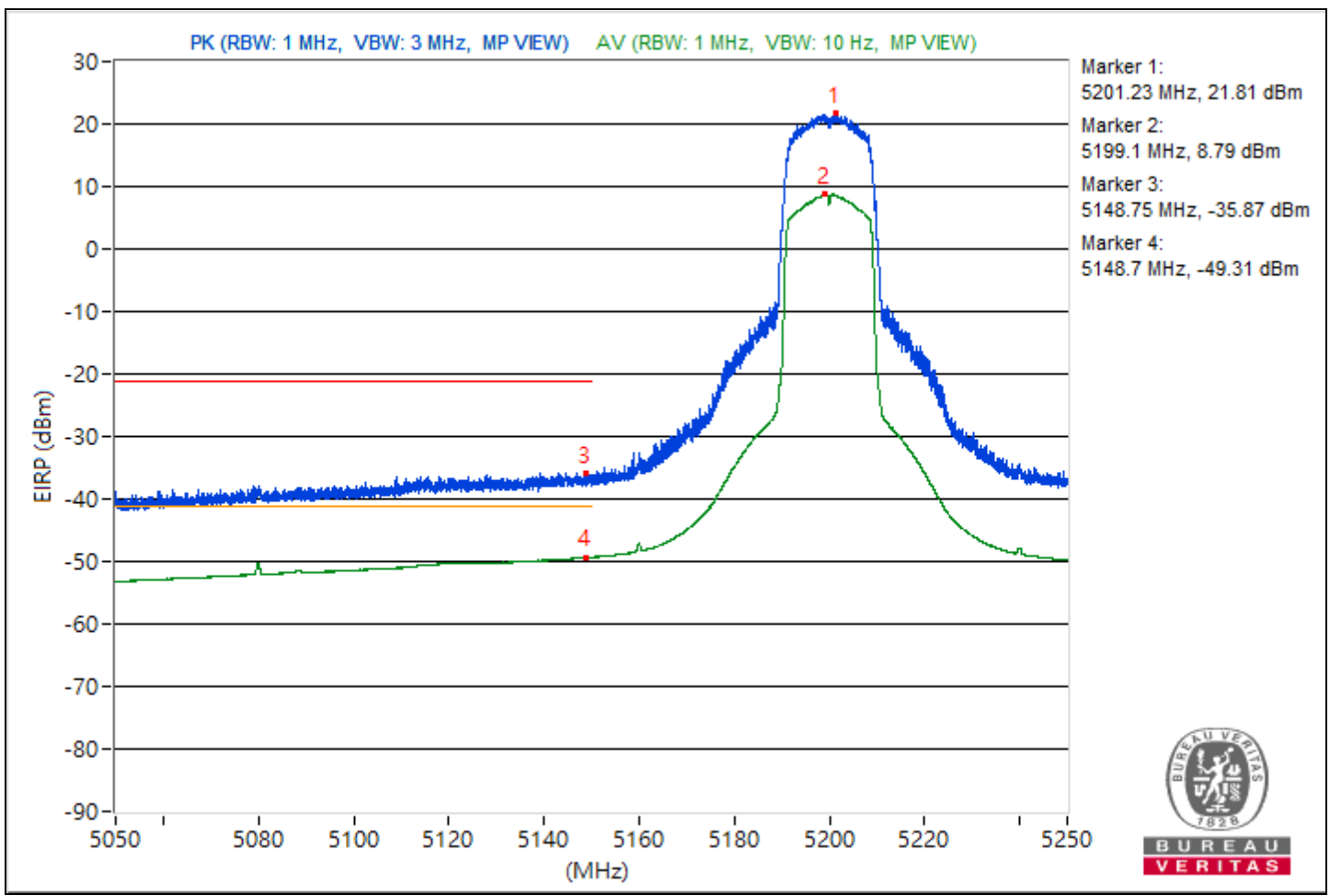


RF Mode	802.11ac (VHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5201.23	117.07 PK	-	-	13.51	13.91	5.09	21.81
2	*5199.1	104.05 AV	-	-	0.62	0.75	5.09	8.79
3	5148.75	59.39 PK	74	-14.61	-43.76	-44.18	5.09	-35.87
4	5148.7	45.95 AV	54	-8.05	-58.58	-56.48	5.09	-49.31

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

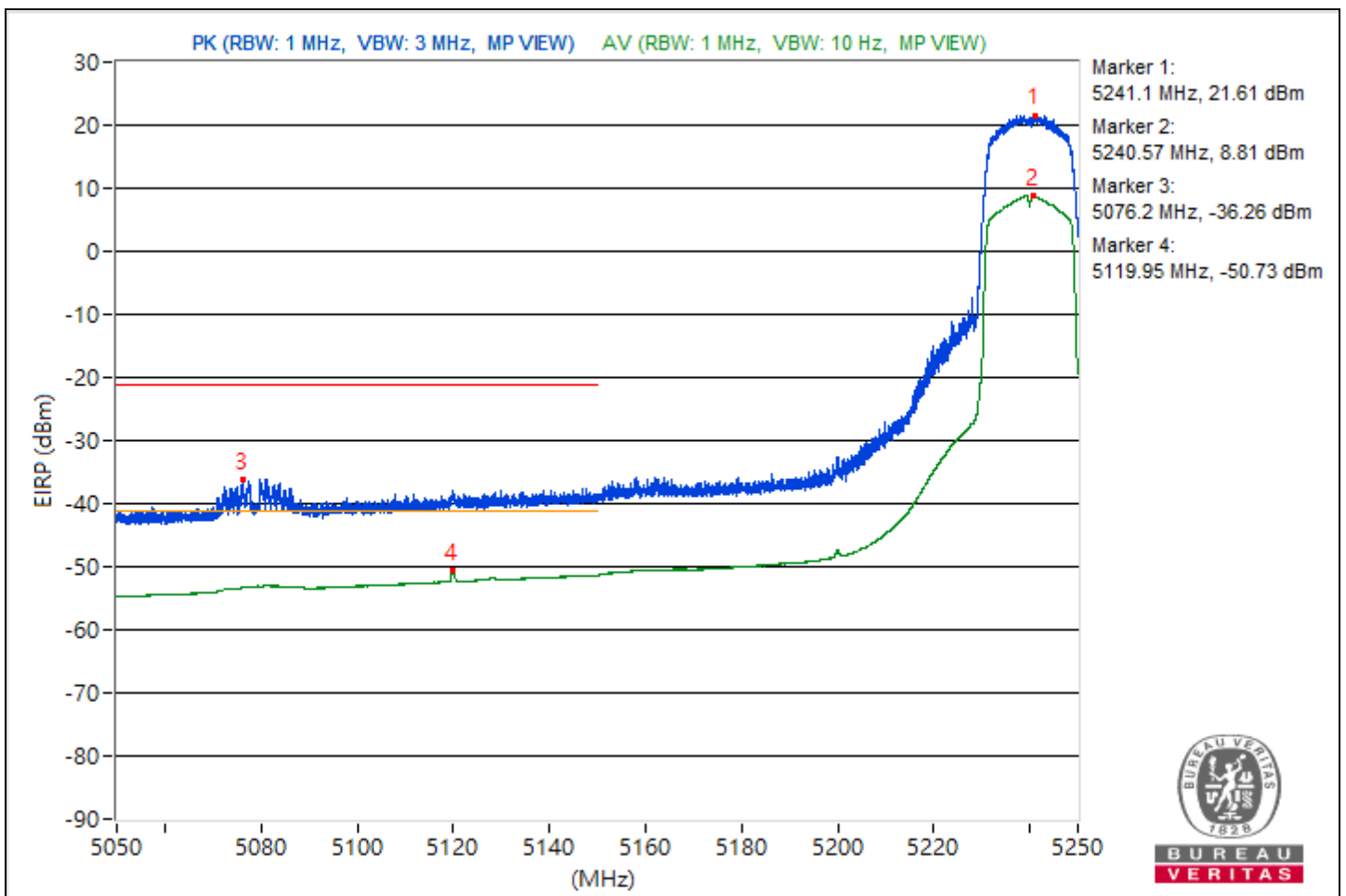


RF Mode	802.11ac (VHT20)	Channel	CH 48 : 5240 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5241.1	116.87 PK	-	-	12.07	14.6	5.09	21.61
2	*5240.57	104.07 AV	-	-	0.71	0.72	5.09	8.81
3	5076.2	59 PK	74	-15	-46.5	-42.94	5.09	-36.26
4	5119.95	44.53 AV	54	-9.47	-60.47	-57.65	5.09	-50.73

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

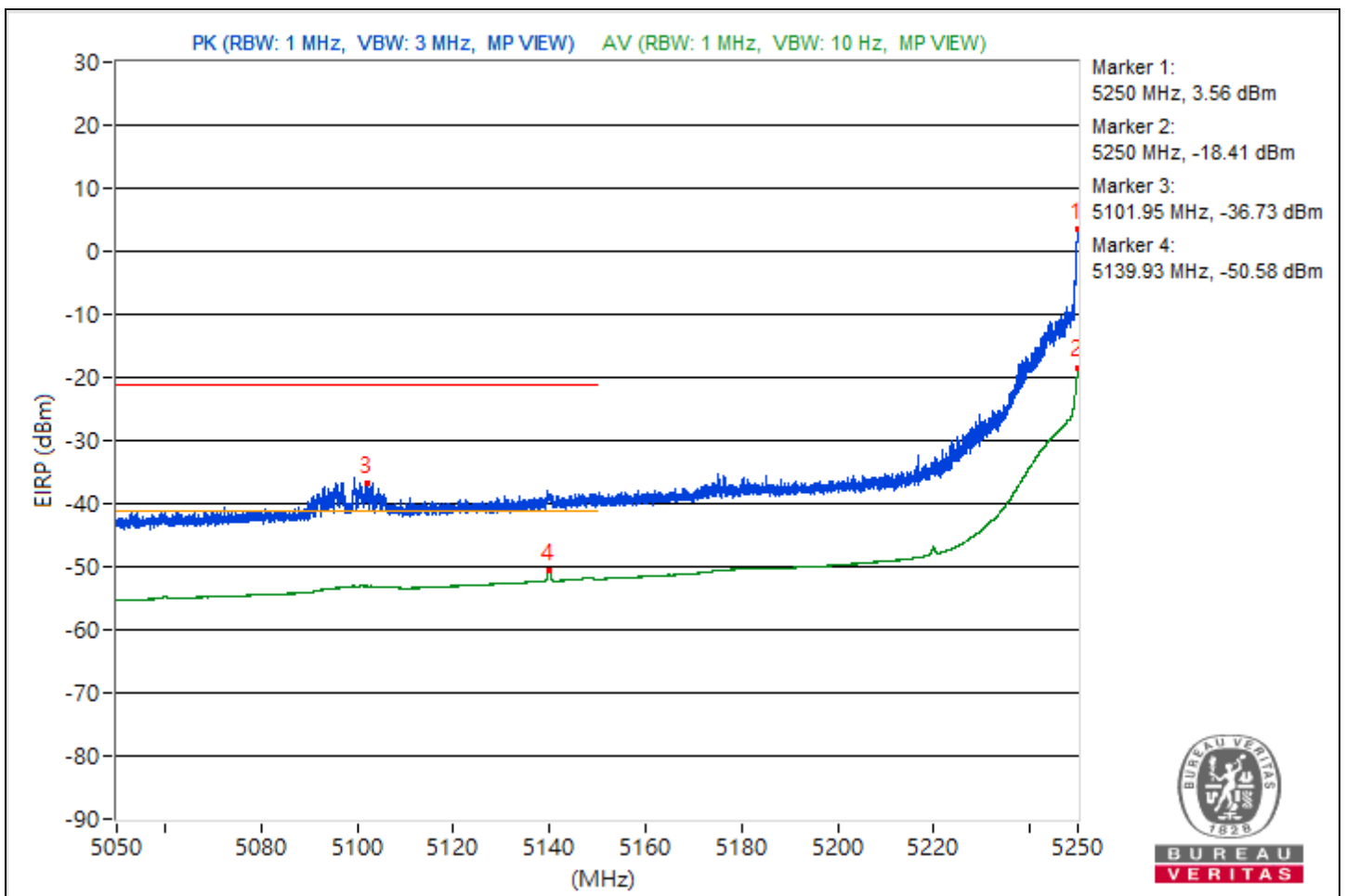


RF Mode	802.11ac (VHT20)	Channel	CH 52 : 5260 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5250	98.82 PK	-	-	-5.01	-4.5	5.3	3.56
2	#5250	76.85 AV	-	-	-26.83	-26.61	5.3	-18.41
3	5101.95	58.53 PK	74	-15.47	-49.37	-42.91	5.3	-36.73
4	5139.93	44.68 AV	54	-9.32	-60.48	-57.73	5.3	-50.58

Notes:

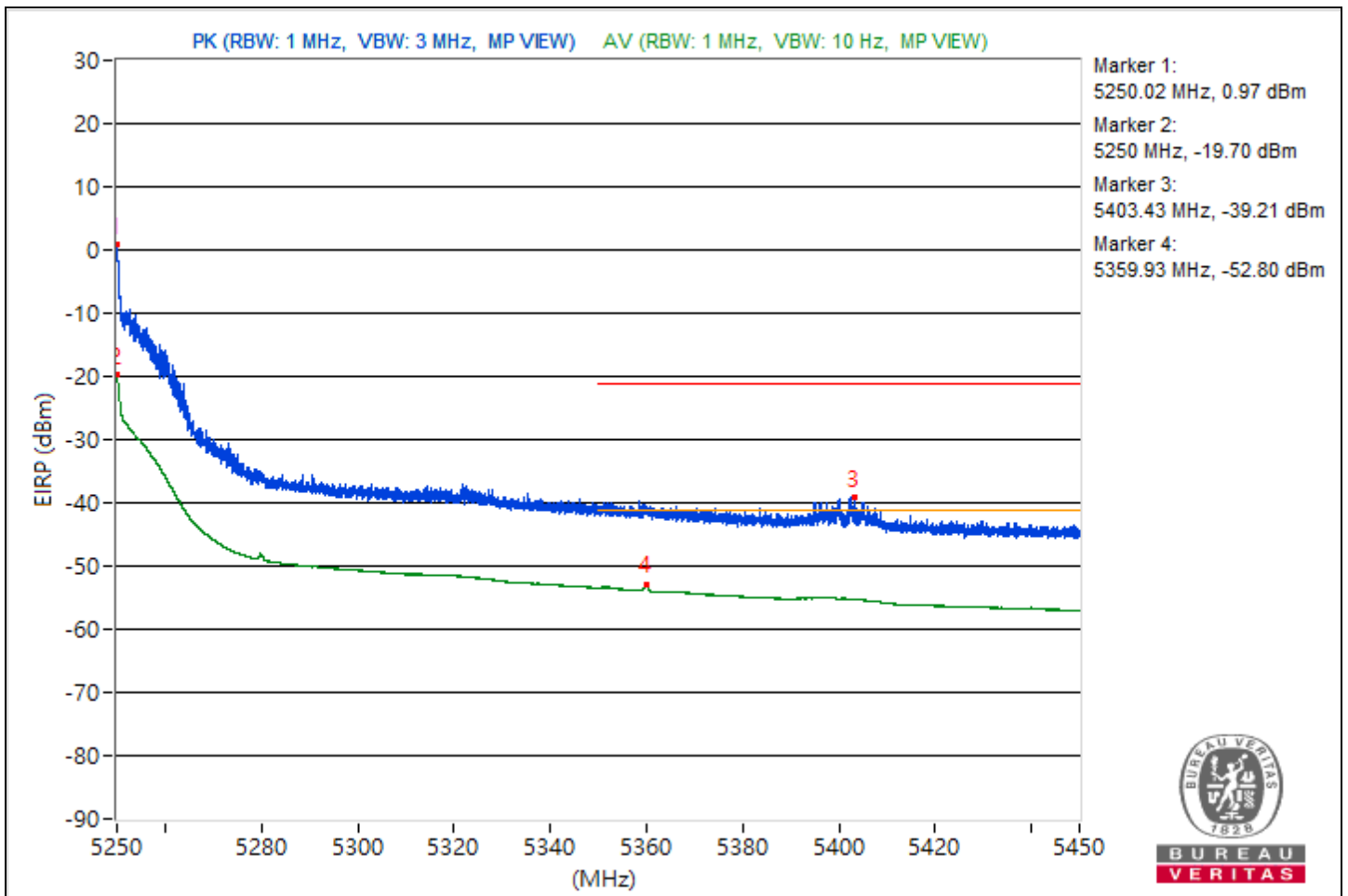
1. Margin value = Emission Level - Limit value
2. "#": The radiated frequency is out of the restricted band, the limit was restricted at the Conducted Out of Band Emissions.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



RF Mode	802.11ac (VHT20)	Channel	CH 48 : 5240 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5250.02	96.23 PK	-	-	-7.62	-6.7	5.09	0.97
2	#5250	75.56 AV	-	-	-28.13	-27.49	5.09	-19.7
3	5403.43	56.05 PK	74	-17.95	-51.87	-45.13	5.09	-39.21
4	5359.93	42.46 AV	54	-11.54	-62.09	-59.96	5.09	-52.8

- Notes:
1. Margin value = Emission Level - Limit value
 2. "#": The radiated frequency is out of the restricted band, the limit was restricted at the Conducted Out of Band Emissions.
 3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

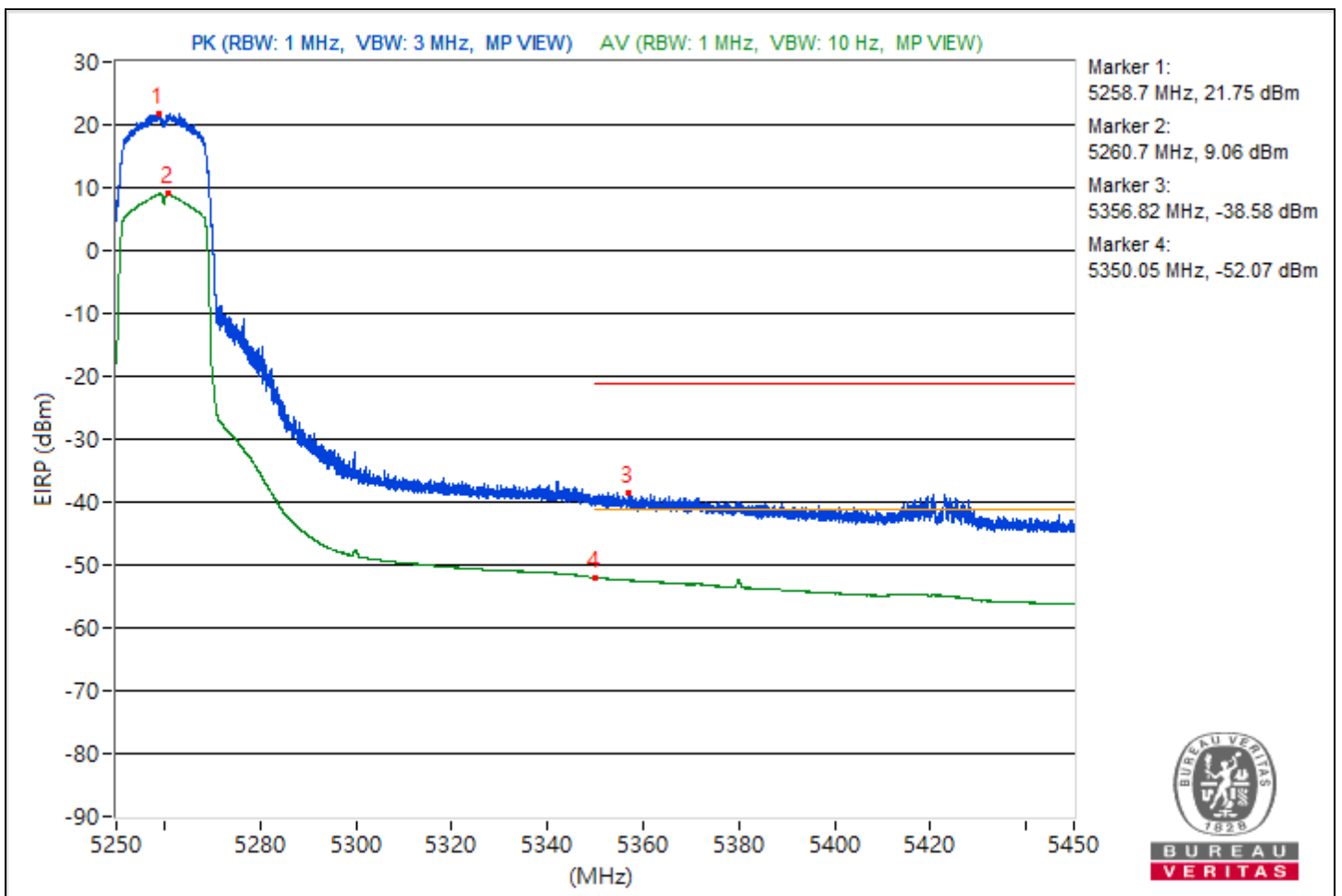


RF Mode	802.11ac (VHT20)	Channel	CH 52 : 5260 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5258.7	117.01 PK	-	-	13.1	13.76	5.3	21.75
2	*5260.7	104.32 AV	-	-	0.68	0.82	5.3	9.06
3	5356.82	56.68 PK	74	-17.32	-49.88	-45.14	5.3	-38.58
4	5350.05	43.19 AV	54	-10.81	-61.17	-59.71	5.3	-52.07

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

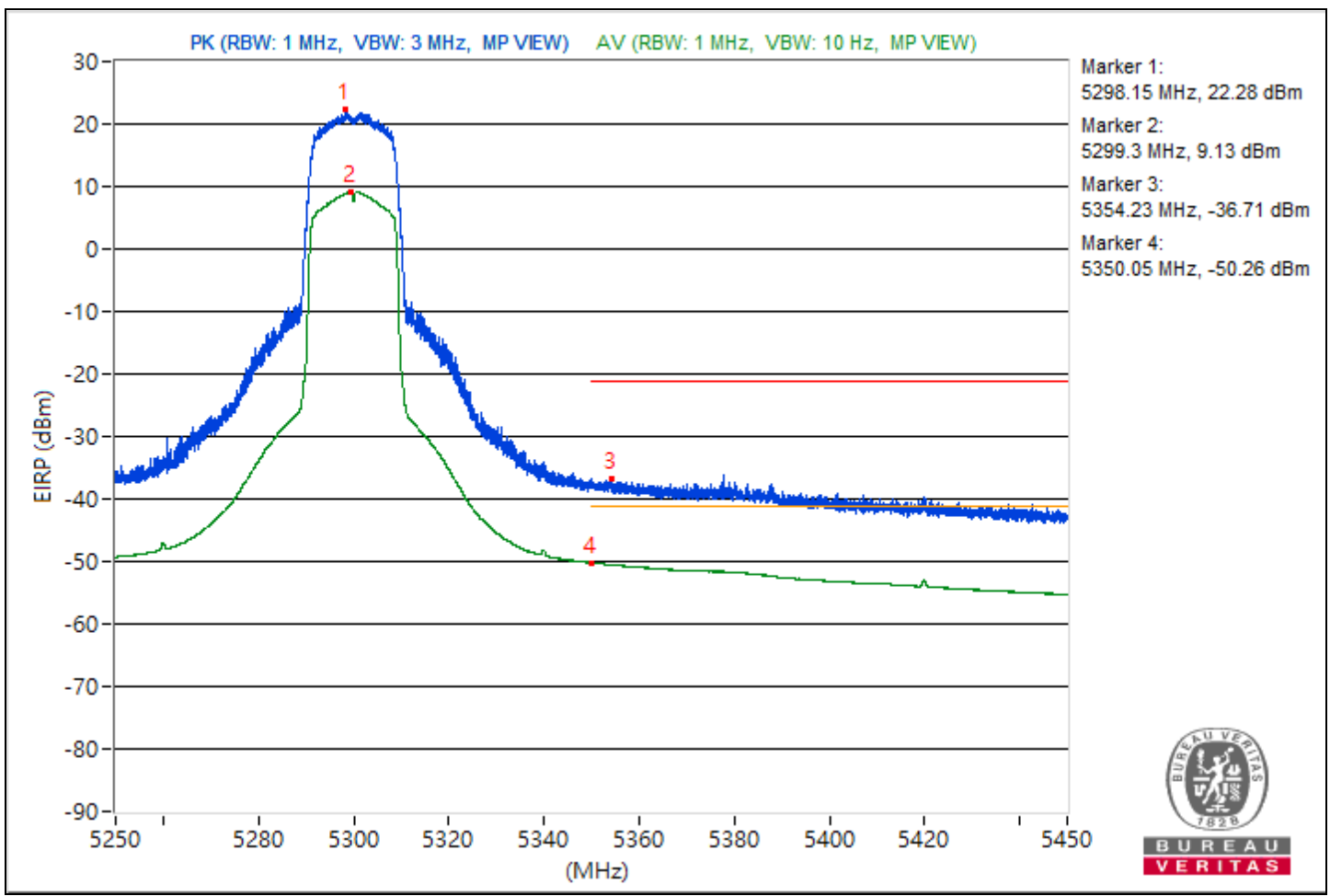


RF Mode	802.11ac (VHT20)	Channel	CH 60 : 5300 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5298.15	117.54 PK	-	-	12.61	15.01	5.3	22.28
2	*5299.3	104.39 AV	-	-	0.82	0.82	5.3	9.13
3	5354.23	58.55 PK	74	-15.45	-47.41	-43.48	5.3	-36.71
4	5350.05	45 AV	54	-9	-59.69	-57.68	5.3	-50.26

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

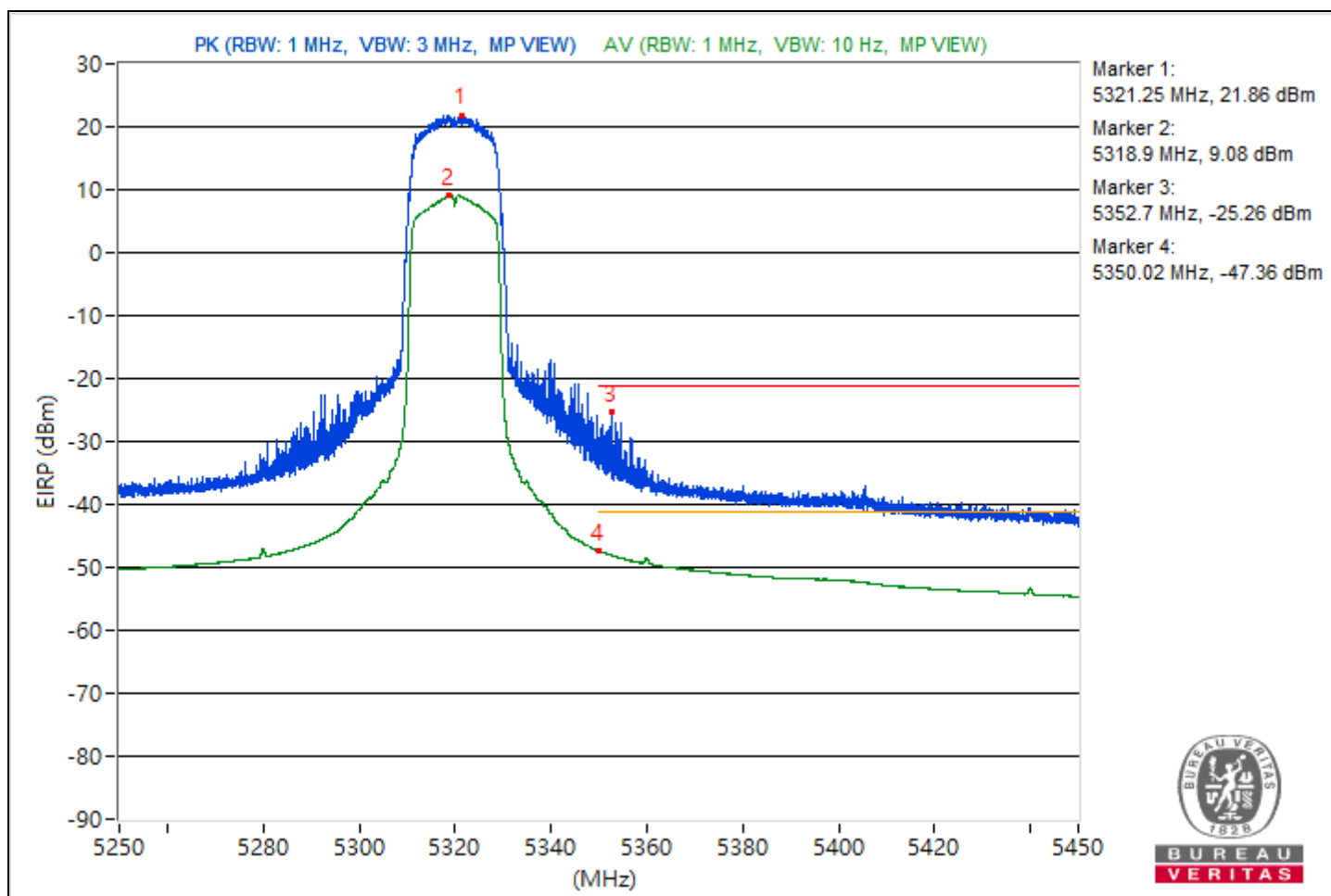


RF Mode	802.11ac (VHT20)	Channel	CH 64 : 5320 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5321.25	117.12 PK	-	-	12.09	14.64	5.3	21.86
2	*5318.9	104.34 AV	-	-	0.59	0.94	5.3	9.08
3	5352.7	70 PK	74	-4	-44.92	-30.72	5.3	-25.26
4	5350.02	47.9 AV	54	-6.1	-56.62	-54.9	5.3	-47.36

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

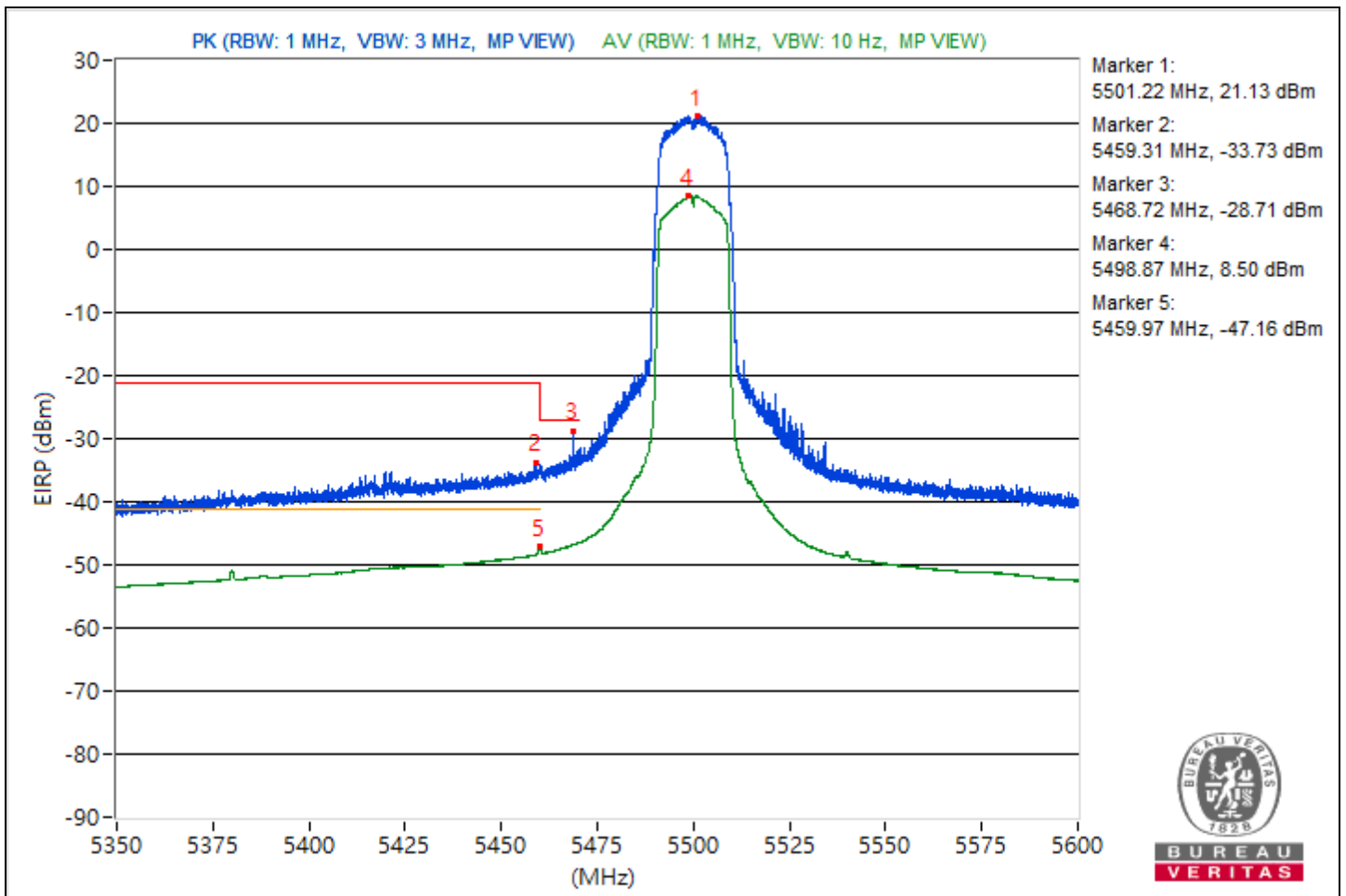


RF Mode	802.11ac (VHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 67% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5501.22	116.39 PK	-	-	12.71	12.53	5.5	21.13
2	5459.31	61.53 PK	74	-12.47	-41.26	-43.51	5.5	-33.73
3	#5468.72	66.55 PK	68.26	-1.71	-41.9	-35.02	5.5	-28.71
4	*5498.87	103.76 AV	-	-	-0.05	0.02	5.5	8.5
5	5459.97	48.1 AV	54	-5.9	-57.52	-54.37	5.5	-47.16

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

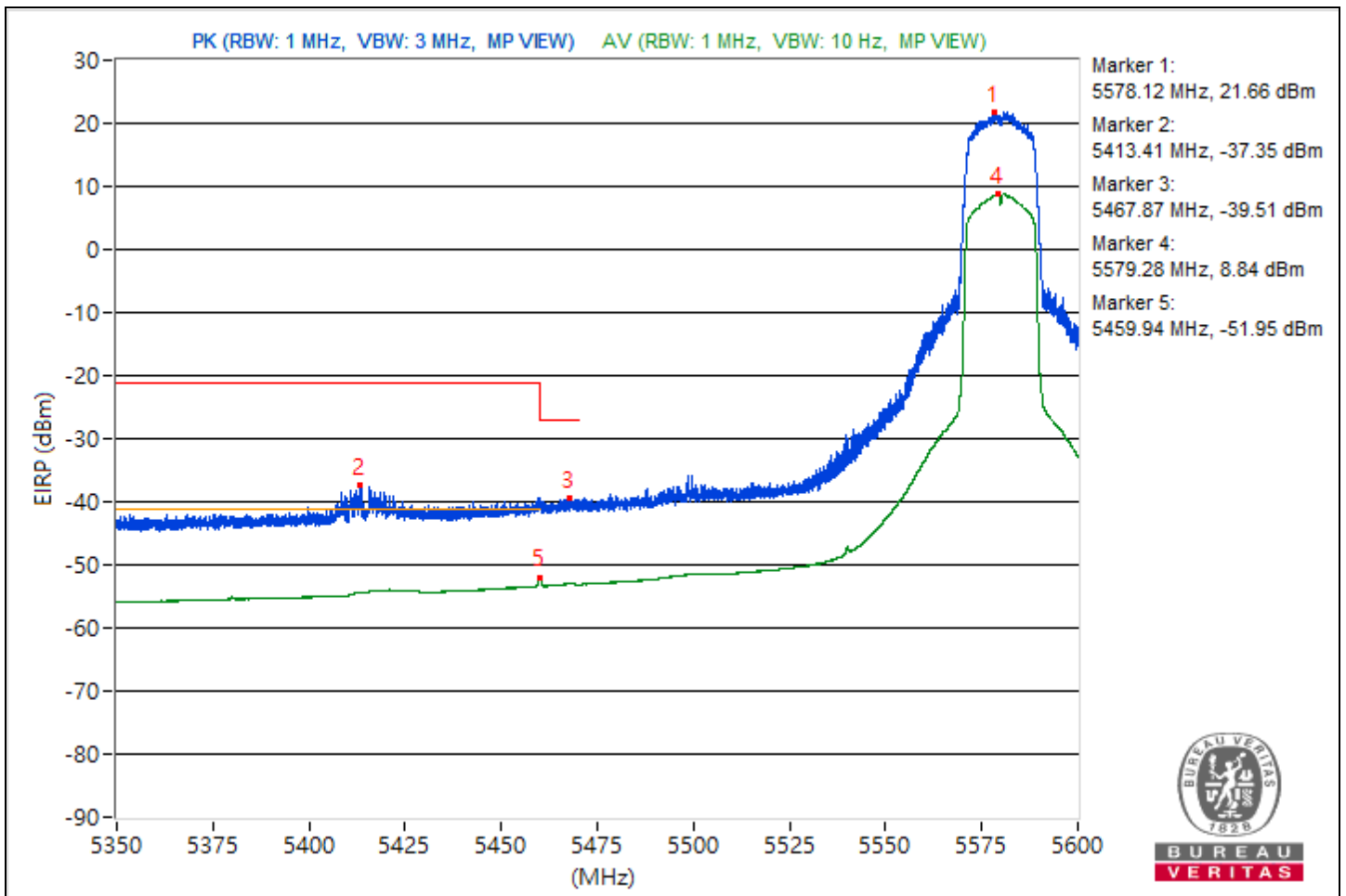


RF Mode	802.11ac (VHT20)	Channel	CH 116 : 5580 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5578.12	116.92 PK	-	-	10.67	14.73	5.5	21.66
2	5413.41	57.91 PK	74	-16.09	-47.71	-44.57	5.5	-37.35
3	#5467.87	55.75 PK	68.26	-12.51	-47.87	-48.17	5.5	-39.51
4	*5579.28	104.1 AV	-	-	-0.14	0.75	5.5	8.84
5	5459.94	43.31 AV	54	-10.69	-61.89	-59.38	5.5	-51.95

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

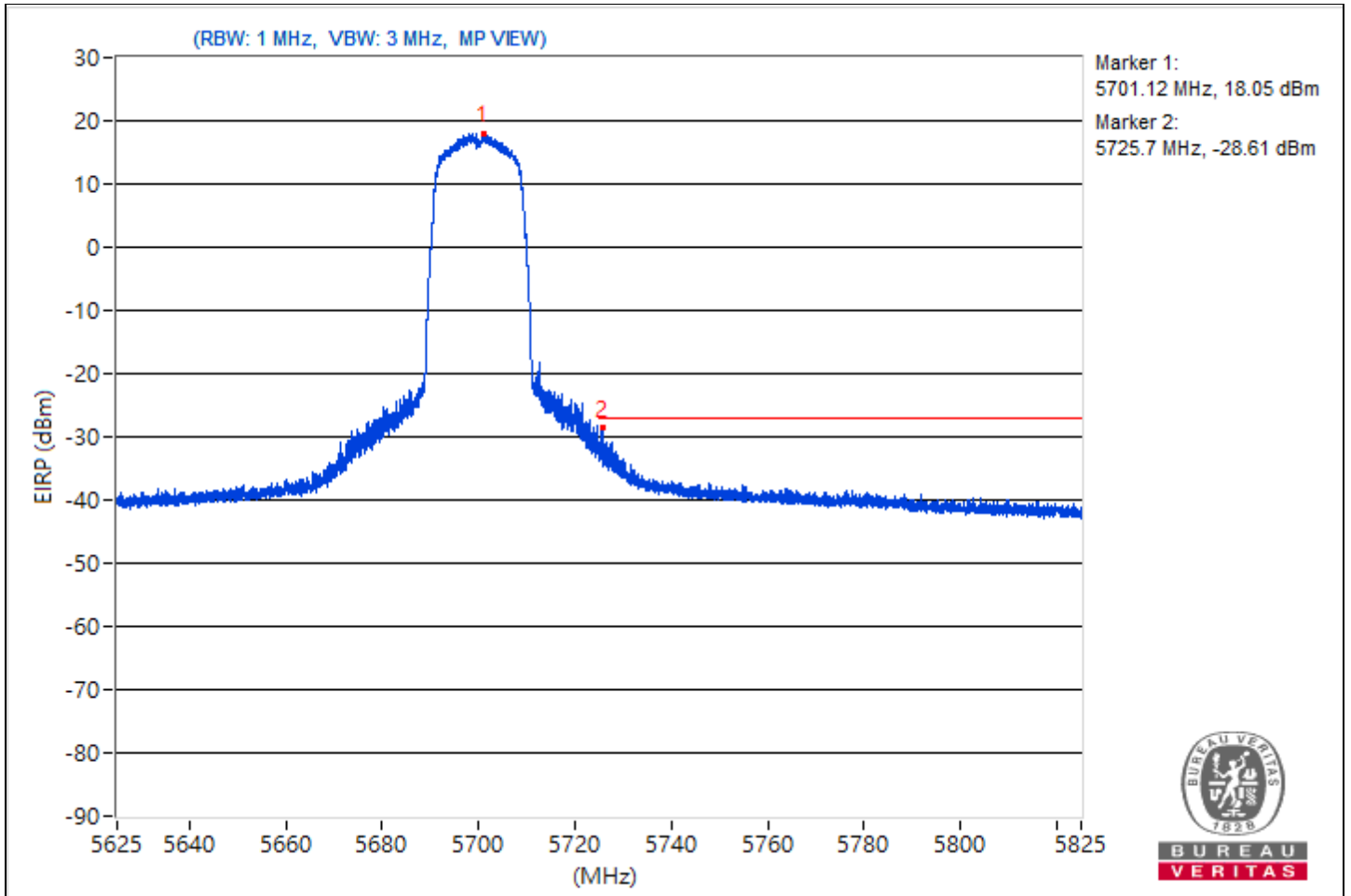


RF Mode	802.11ac (VHT20)	Channel	CH 140 : 5700 MHz
Frequency Range	5.625 GHz ~ 5.825 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 67% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5701.12	113.31	-	-	10.04	8.97	5.5	18.05
2	#5725.7	66.65	68.26	-1.61	-42.42	-34.8	5.5	-28.61

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

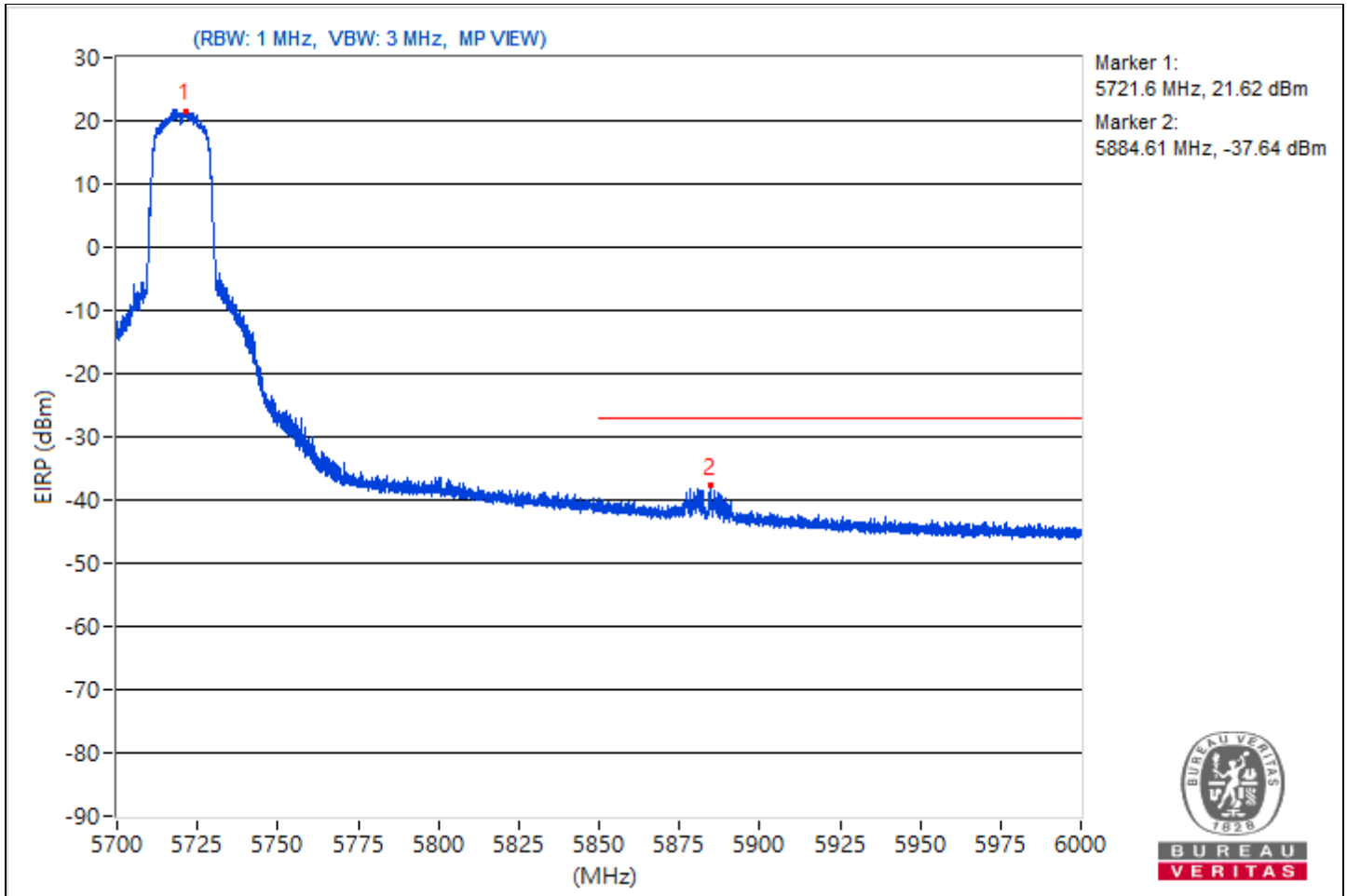


RF Mode	802.11ac (VHT20)	Channel	CH 144 : 5720 MHz
Frequency Range	5.7 GHz ~ 6 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5721.6	116.88	-	-	11.06	14.49	5.5	21.62
2	#5884.61	57.62	68.26	-10.64	-45.48	-46.95	5.5	-37.64

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

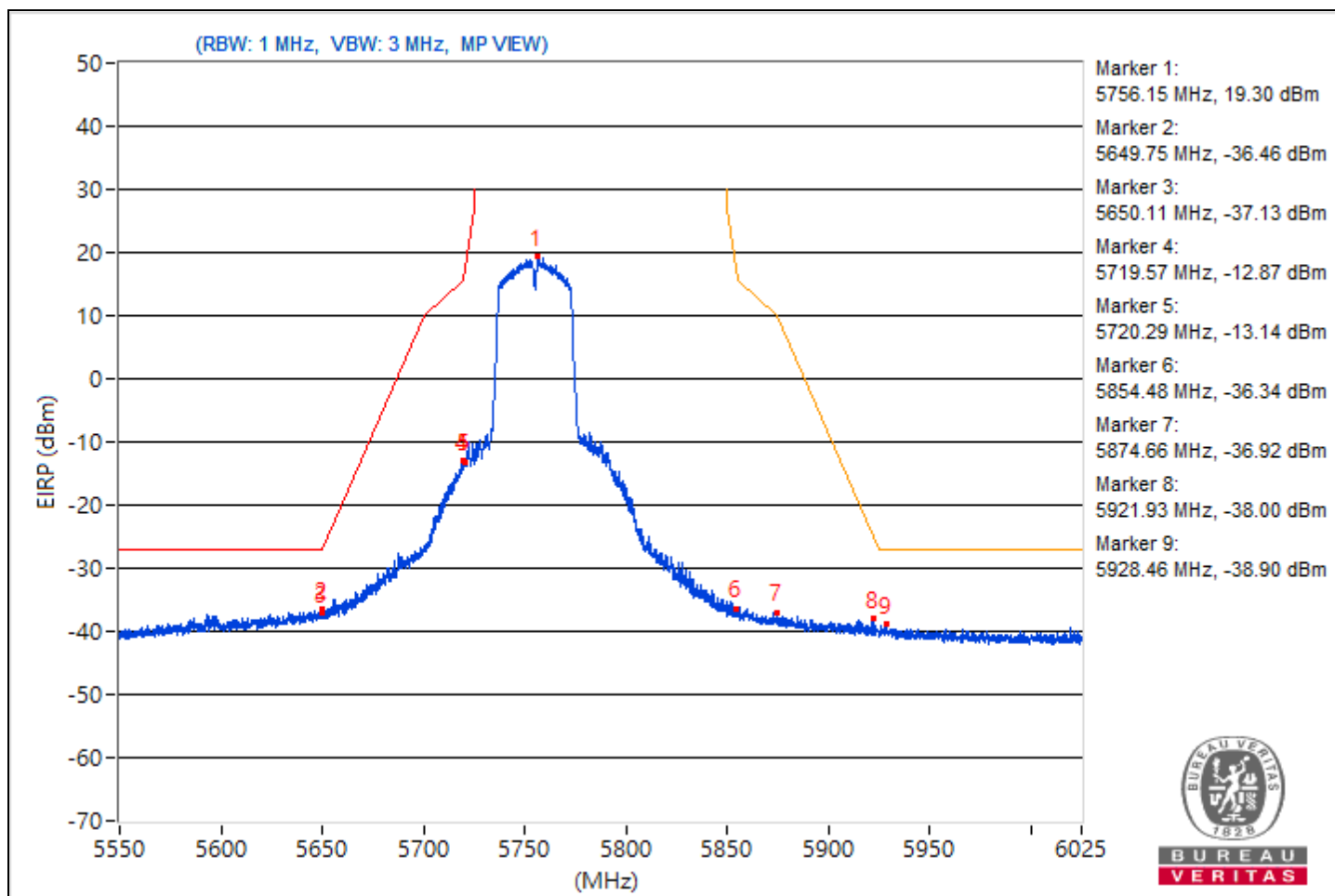


RF Mode	802.11ac (VHT40)	Channel	CH 151 : 5755 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5756.15	114.56	-	-	9.12	12.44	5.2	19.3
2	#5649.75	58.8	68.26	-9.46	-45.84	-43.75	5.2	-36.46
3	#5650.11	58.13	68.34	-10.21	-46.23	-44.59	5.2	-37.13
4	#5719.57	82.39	110.74	-28.35	-20.06	-22.42	5.2	-12.87
5	#5720.29	82.12	111.52	-29.4	-19.98	-23.35	5.2	-13.14
6	#5854.48	58.92	112.06	-53.14	-43.81	-45.44	5.2	-36.34
7	#5874.66	58.34	105.35	-47.01	-46.2	-44.27	5.2	-36.92
8	#5921.93	57.26	70.54	-13.28	-45.5	-47.07	5.2	-38
9	#5928.46	56.36	68.26	-11.9	-48.85	-45.88	5.2	-38.9

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



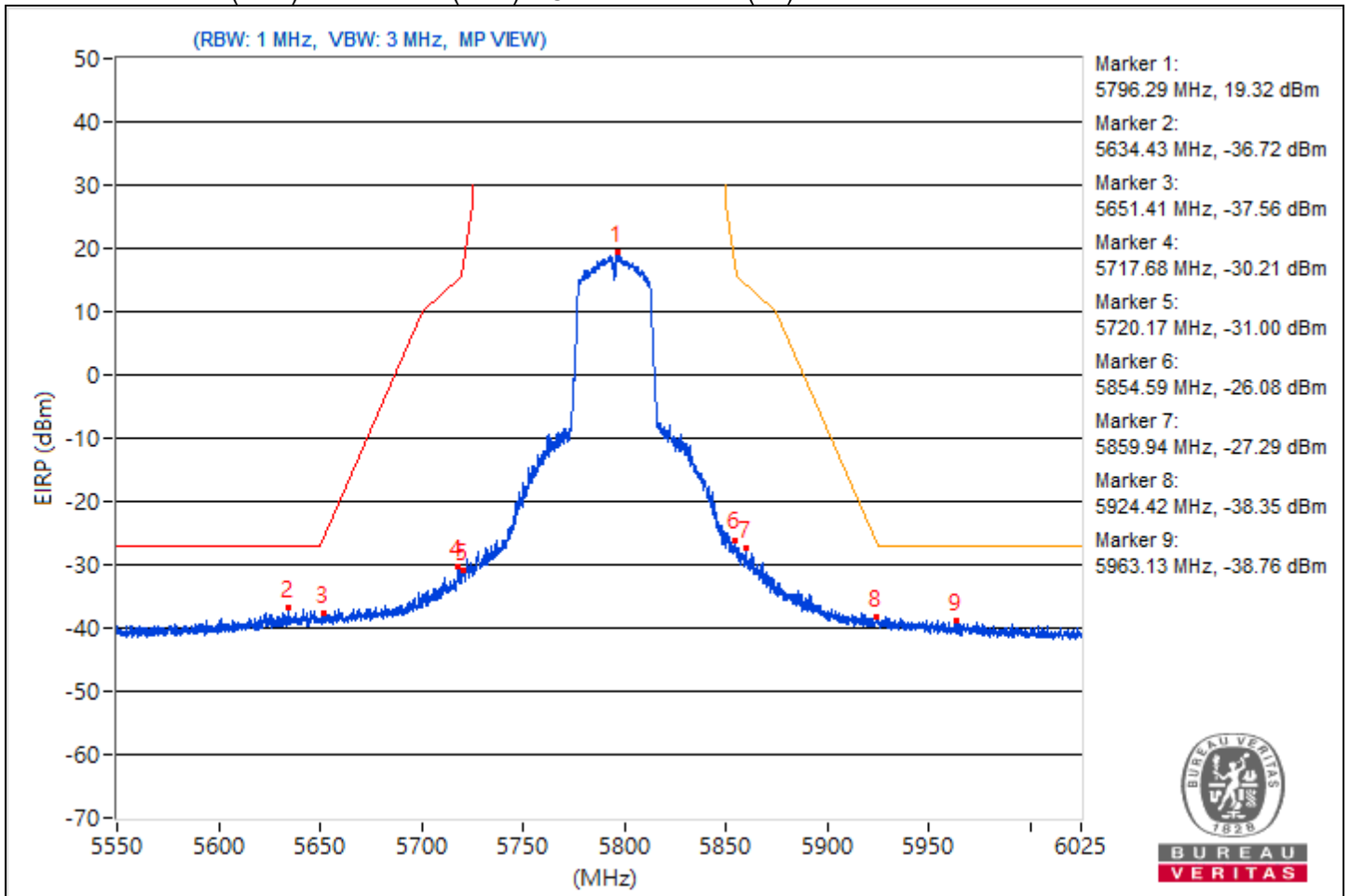


RF Mode	802.11ac (VHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5796.29	114.58	-	-	9.11	12.48	5.2	19.32
2	#5634.43	58.54	68.26	-9.72	-46.92	-43.57	5.2	-36.72
3	#5651.41	57.7	69.31	-11.61	-47.19	-44.7	5.2	-37.56
4	#5717.68	65.05	110.21	-45.16	-36.69	-41.35	5.2	-30.21
5	#5720.17	64.26	111.24	-46.98	-37.85	-41.18	5.2	-31
6	#5854.59	69.18	111.79	-42.61	-31.78	-40.84	5.2	-26.08
7	#5859.94	67.97	109.48	-41.51	-33.03	-41.84	5.2	-27.29
8	#5924.42	56.91	68.69	-11.78	-46.02	-47.17	5.2	-38.35
9	#5963.13	56.5	68.26	-11.76	-45.91	-48.37	5.2	-38.76

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

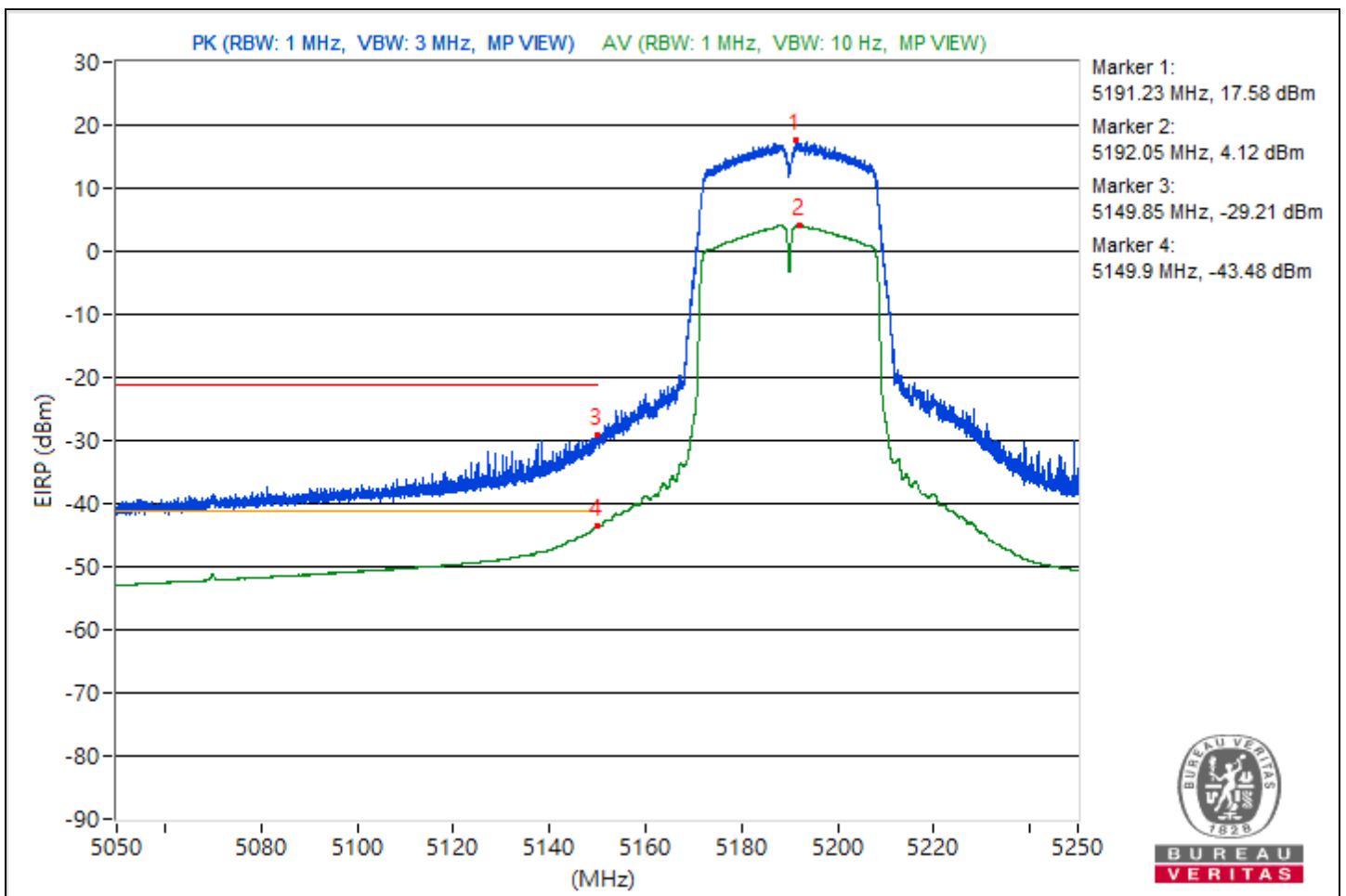


RF Mode	802.11ac (VHT40)	Channel	CH 38 : 5190 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 67% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5191.23	112.84 PK	-	-	7.78	10.69	5.09	17.58
2	*5192.05	99.38 AV	-	-	-4.11	-3.86	5.09	4.12
3	5149.85	66.05 PK	74	-7.95	-40.04	-35.64	5.09	-29.21
4	5149.9	51.78 AV	54	-2.22	-51.89	-51.3	5.09	-43.48

Notes:

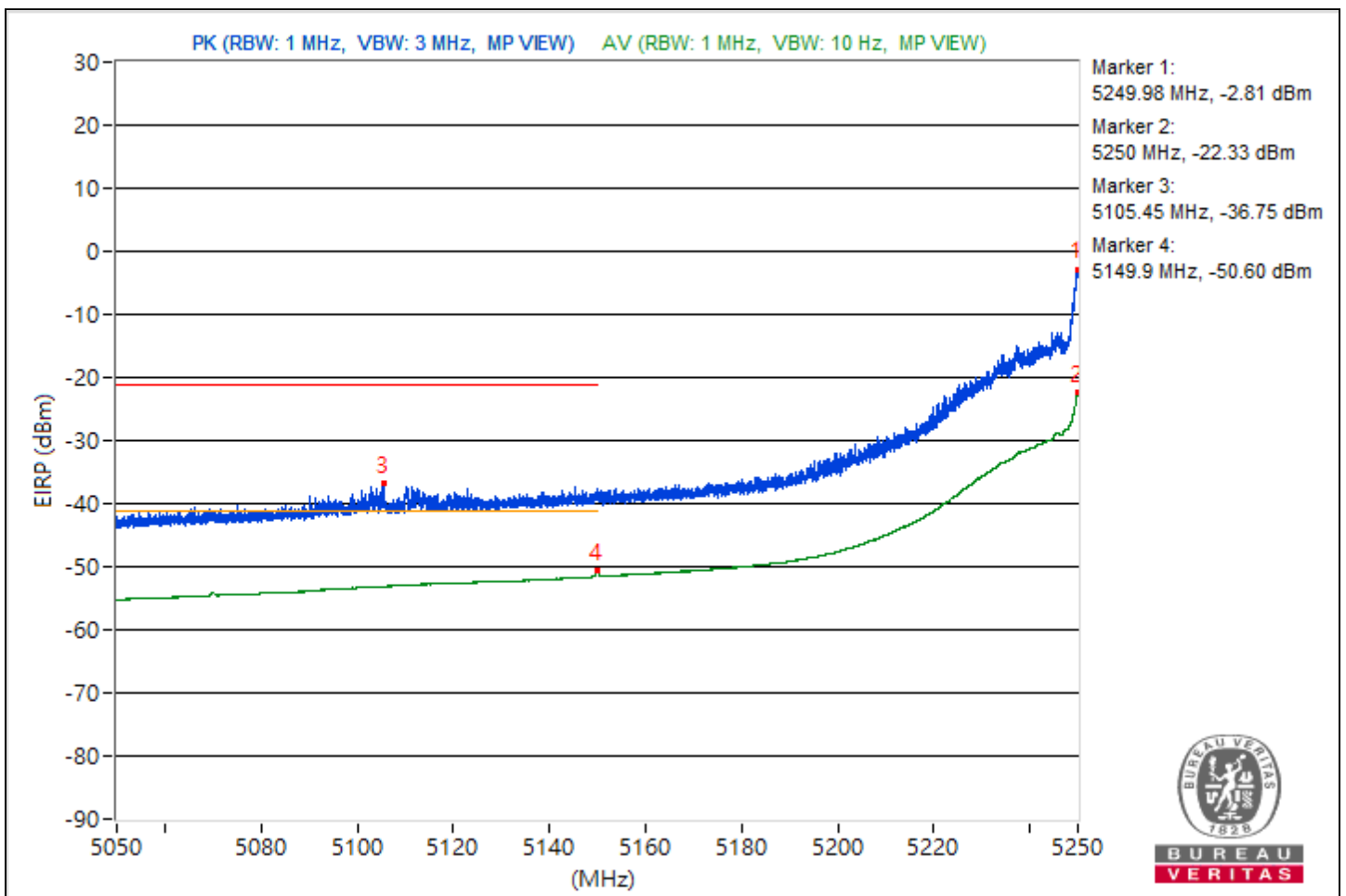
1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



RF Mode	802.11ac (VHT40)	Channel	CH 54 : 5270 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5249.98	92.45 PK	-	-	-11.46	-10.81	5.3	-2.81
2	#5250	72.93 AV	-	-	-30.63	-30.64	5.3	-22.33
3	5105.45	58.51 PK	74	-15.49	-47.5	-43.5	5.3	-36.75
4	5149.9	44.66 AV	54	-9.34	-60.46	-57.77	5.3	-50.6

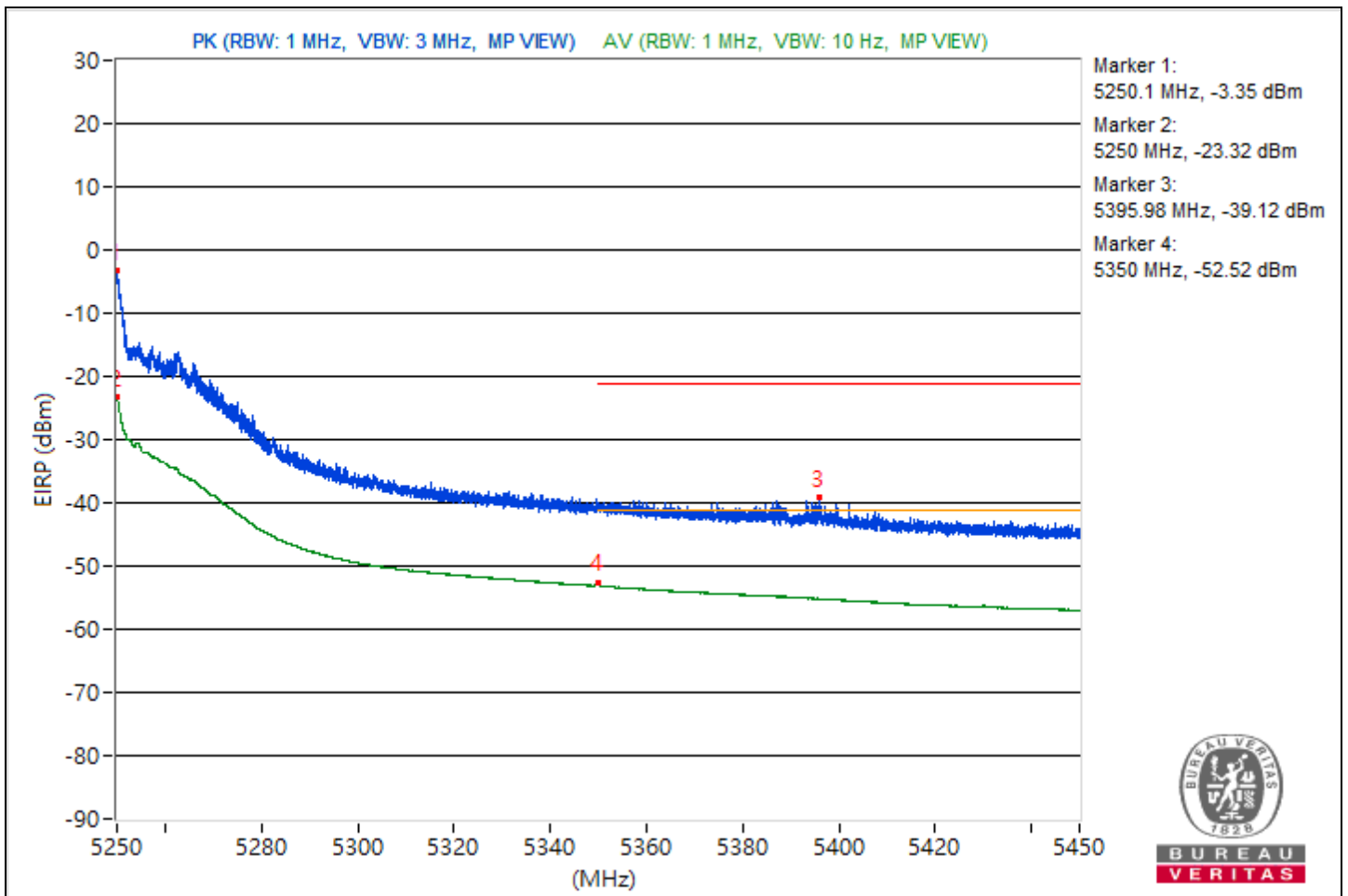
- Notes:
1. Margin value = Emission Level - Limit value
 2. "#": The radiated frequency is out of the restricted band, the limit was restricted at the Conducted Out of Band Emissions.
 3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



RF Mode	802.11ac (VHT40)	Channel	CH 46 : 5230 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5250.1	91.91 PK	-	-	-13.28	-10.16	5.09	-3.35
2	#5250	71.94 AV	-	-	-31.73	-31.13	5.09	-23.32
3	5395.98	56.14 PK	74	-17.86	-50.78	-45.29	5.09	-39.12
4	5350	42.74 AV	54	-11.26	-61.71	-59.75	5.09	-52.52

- Notes:
1. Margin value = Emission Level - Limit value
 2. " # ": The radiated frequency is out of the restricted band, the limit was restricted at the Conducted Out of Band Emissions.
 3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

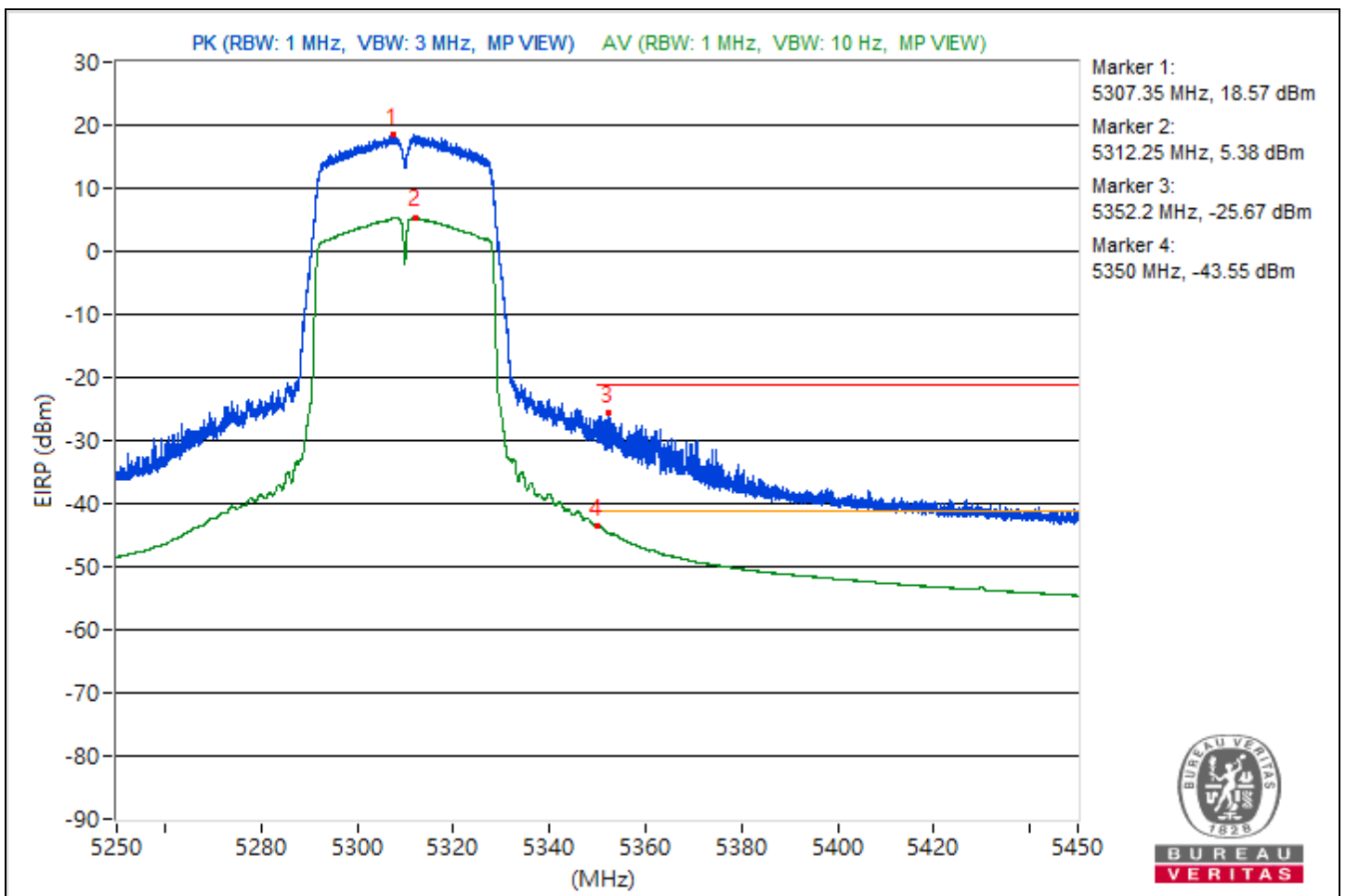


RF Mode	802.11ac (VHT40)	Channel	CH 62 : 5310 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 67% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5307.35	113.83 PK	-	-	8.35	11.58	5.3	18.57
2	*5312.25	100.64 AV	-	-	-2.88	-2.97	5.3	5.38
3	5352.2	69.59 PK	74	-4.41	-31.49	-40.43	5.3	-25.67
4	5350	51.71 AV	54	-2.29	-51.21	-52.62	5.3	-43.55

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

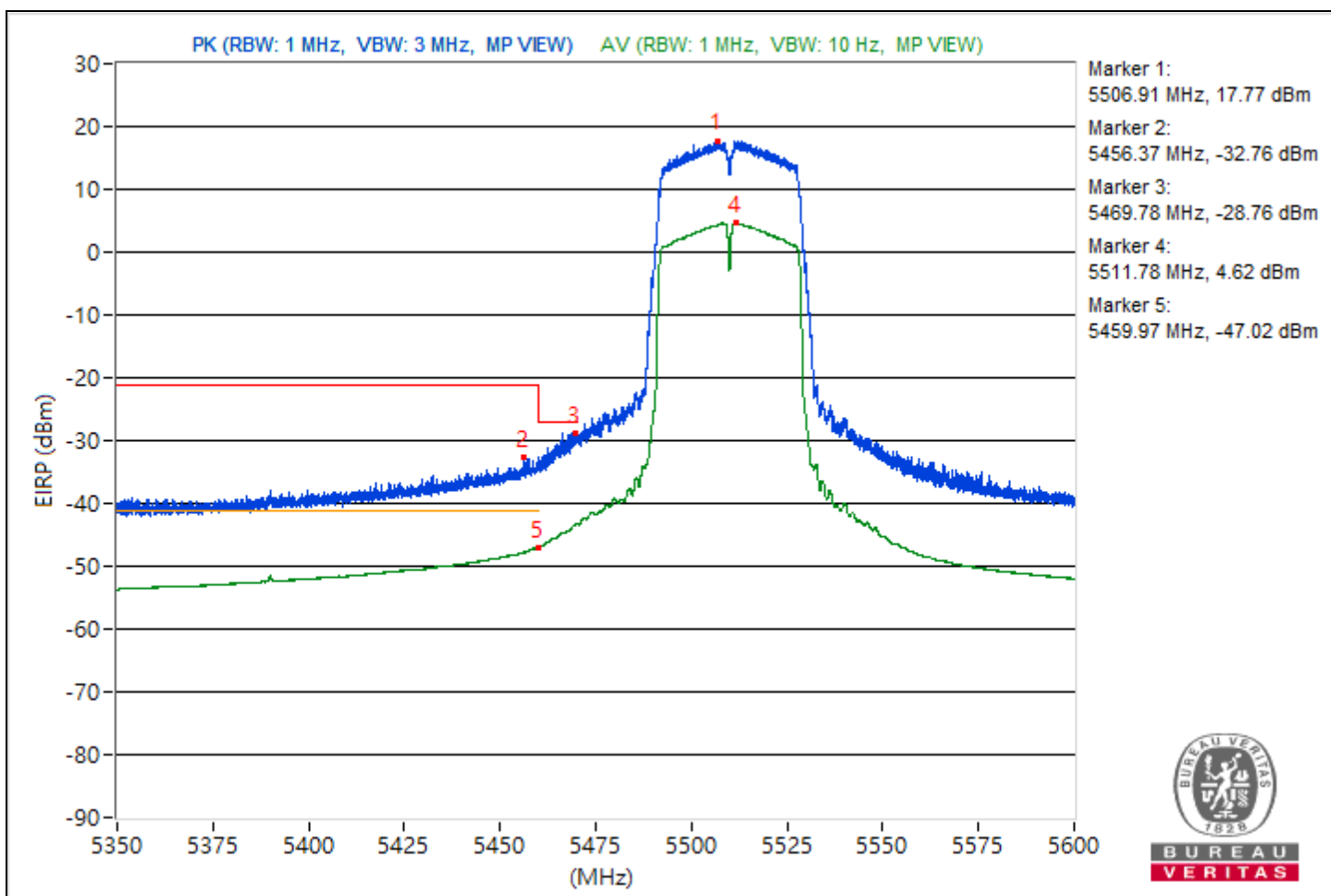


RF Mode	802.11ac (VHT40)	Channel	CH 102 : 5510 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 67% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5506.91	113.03 PK	-	-	7.35	10.58	5.5	17.77
2	5456.37	62.5 PK	74	-11.5	-40.4	-42.37	5.5	-32.76
3	#5469.78	66.5 PK	68.26	-1.76	-37.6	-36.96	5.5	-28.76
4	*5511.78	99.88 AV	-	-	-4.02	-3.77	5.5	4.62
5	5459.97	48.24 AV	54	-5.76	-55.43	-55.63	5.5	-47.02

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

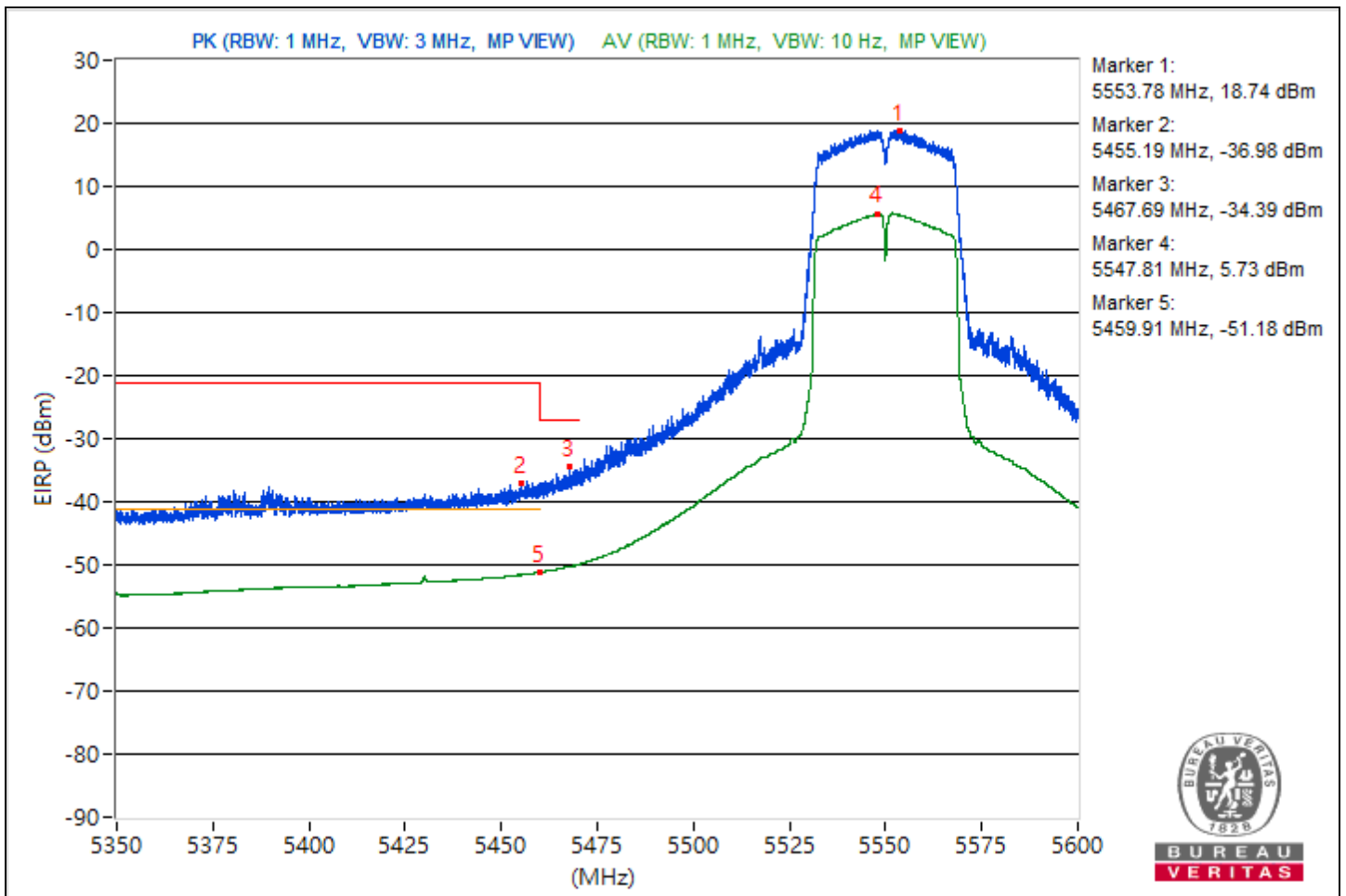


RF Mode	802.11ac (VHT40)	Channel	CH 110 : 5550 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5553.78	114 PK	-	-	7.88	11.74	5.5	18.74
2	5455.19	58.28 PK	74	-15.72	-48.69	-43.67	5.5	-36.98
3	#5467.69	60.87 PK	68.26	-7.39	-42.11	-43.87	5.5	-34.39
4	*5547.81	100.99 AV	-	-	-3.23	-2.38	5.5	5.73
5	5459.91	44.08 AV	54	-9.92	-60.33	-59.14	5.5	-51.18

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

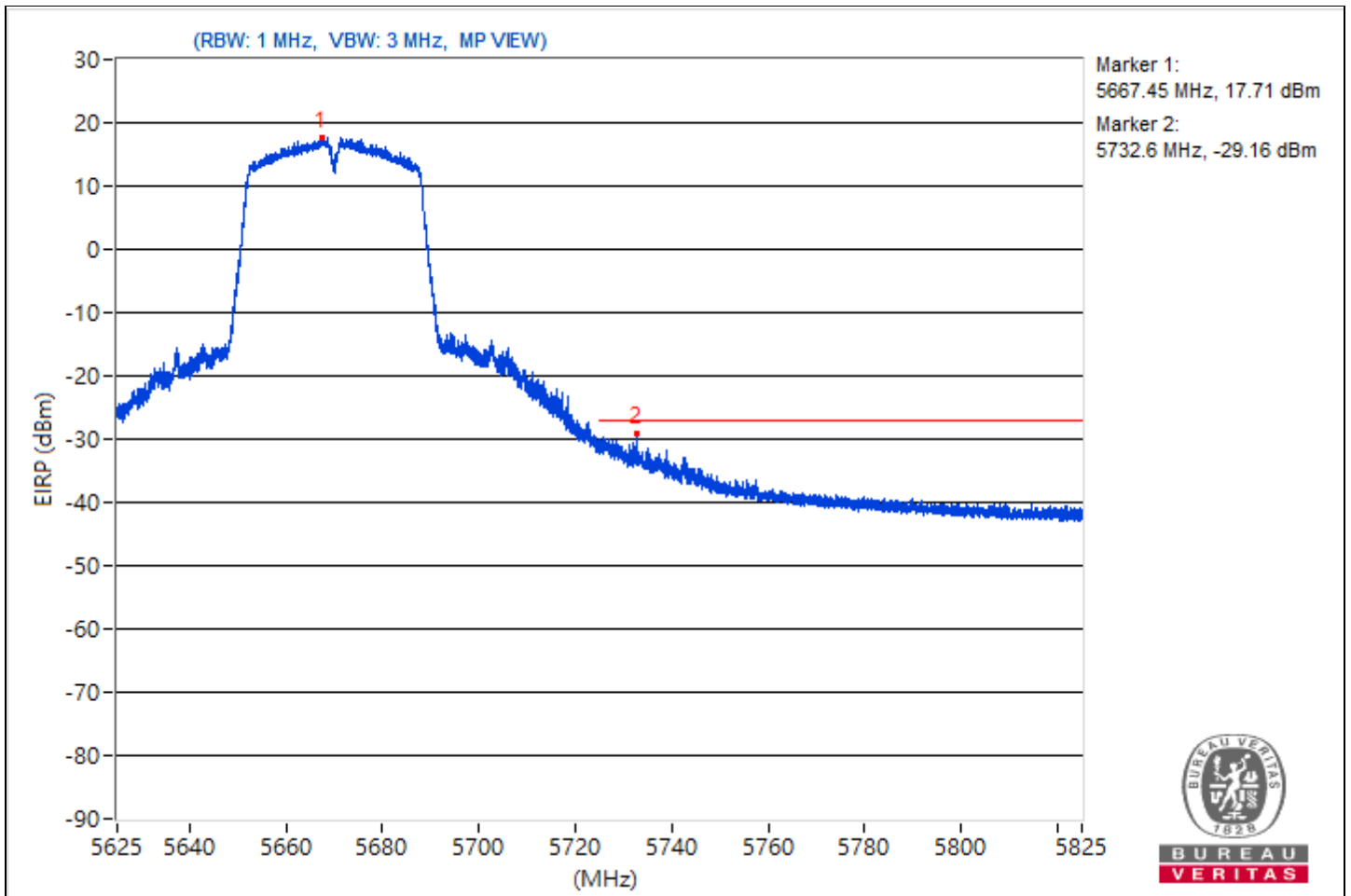


RF Mode	802.11ac (VHT40)	Channel	CH 134 : 5670 MHz
Frequency Range	5.625 GHz ~ 5.825 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 67% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5667.45	112.97	-	-	7.64	10.35	5.5	17.71
2	#5732.6	66.1	68.26	-2.16	-35.34	-43.04	5.5	-29.16

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

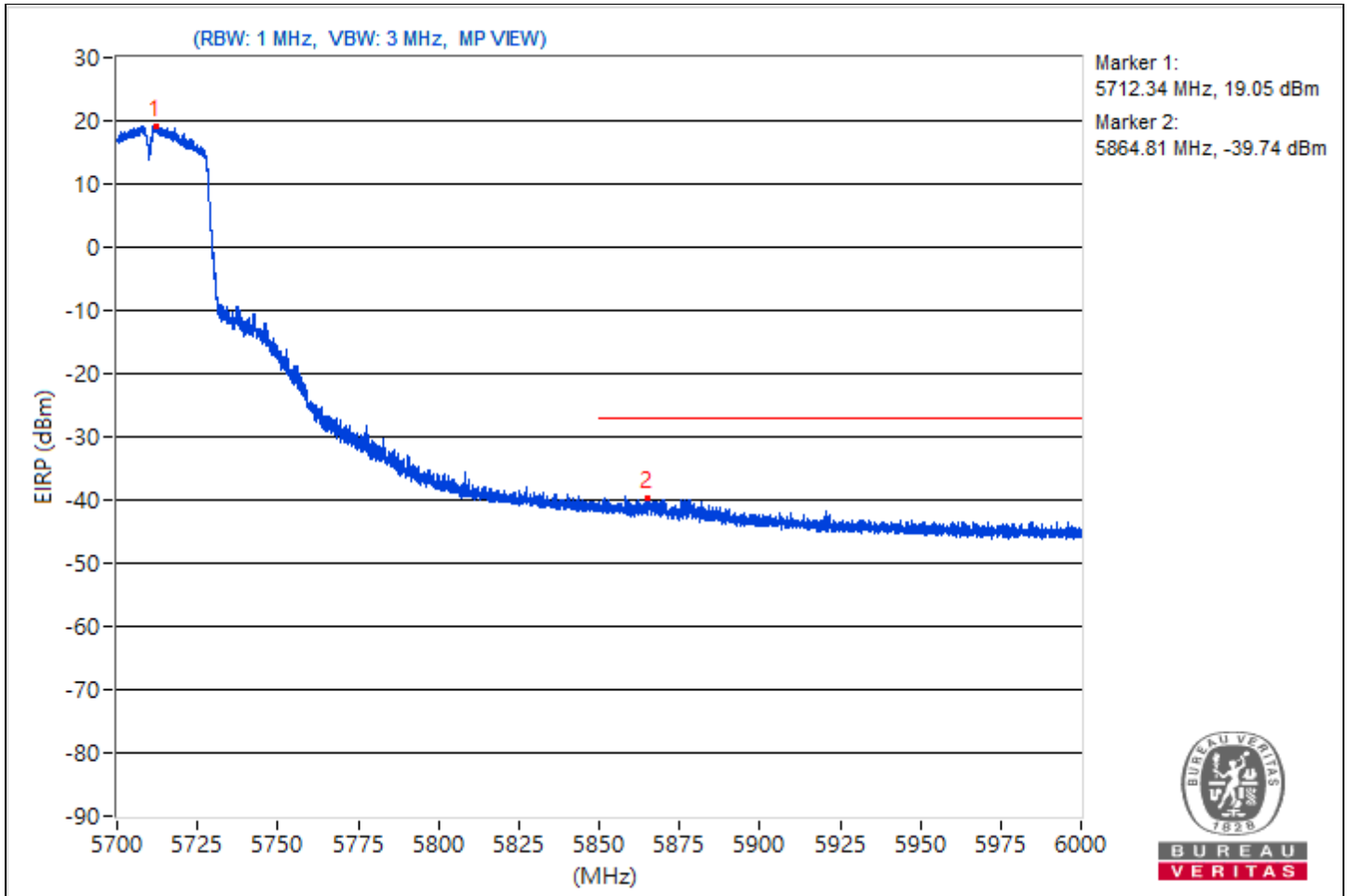


RF Mode	802.11ac (VHT40)	Channel	CH 142 : 5710 MHz
Frequency Range	5.7 GHz ~ 6 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5712.34	114.31	-	-	8.39	11.97	5.5	19.05
2	#5864.81	55.52	68.26	-12.74	-47.85	-48.68	5.5	-39.74

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



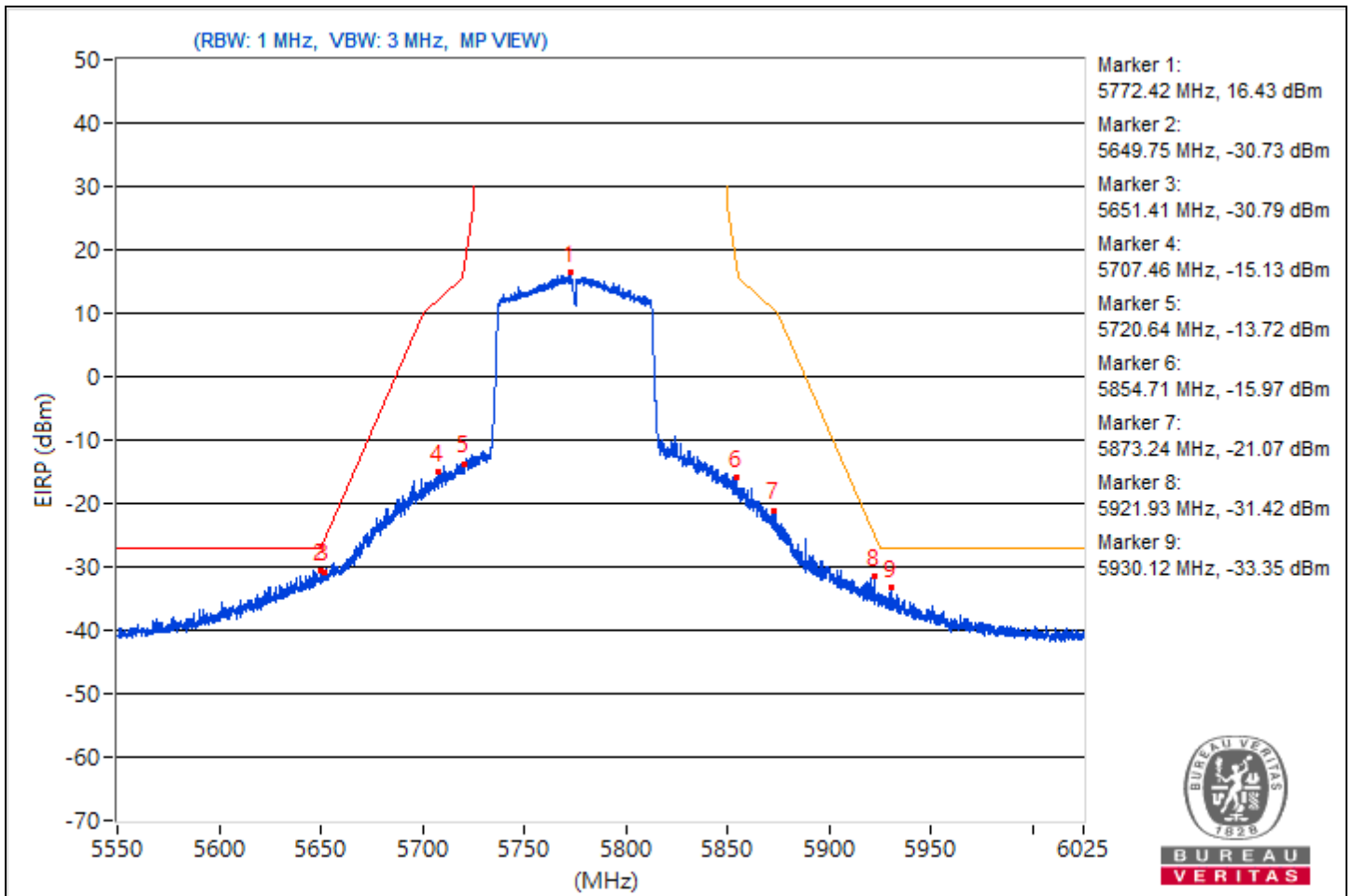


RF Mode	802.11ac (VHT80)	Channel	CH 155 : 5775 MHz
Frequency Range	5.55 GHz ~ 6.025 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5772.42	111.69	-	-	6.02	9.67	5.2	16.43
2	#5649.75	64.53	68.26	-3.73	-37.47	-41.18	5.2	-30.73
3	#5651.41	64.47	69.31	-4.84	-38.83	-39.18	5.2	-30.79
4	#5707.46	80.13	107.35	-27.22	-21.81	-25.73	5.2	-15.13
5	#5720.64	81.54	112.33	-30.79	-20.26	-24.67	5.2	-13.72
6	#5854.71	79.29	111.52	-32.23	-21.95	-29.06	5.2	-15.97
7	#5873.24	74.19	105.75	-31.56	-26.94	-34.69	5.2	-21.07
8	#5921.93	63.84	70.54	-6.7	-36.99	-47.5	5.2	-31.42
9	#5930.12	61.91	68.26	-6.35	-39.08	-48.01	5.2	-33.35

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

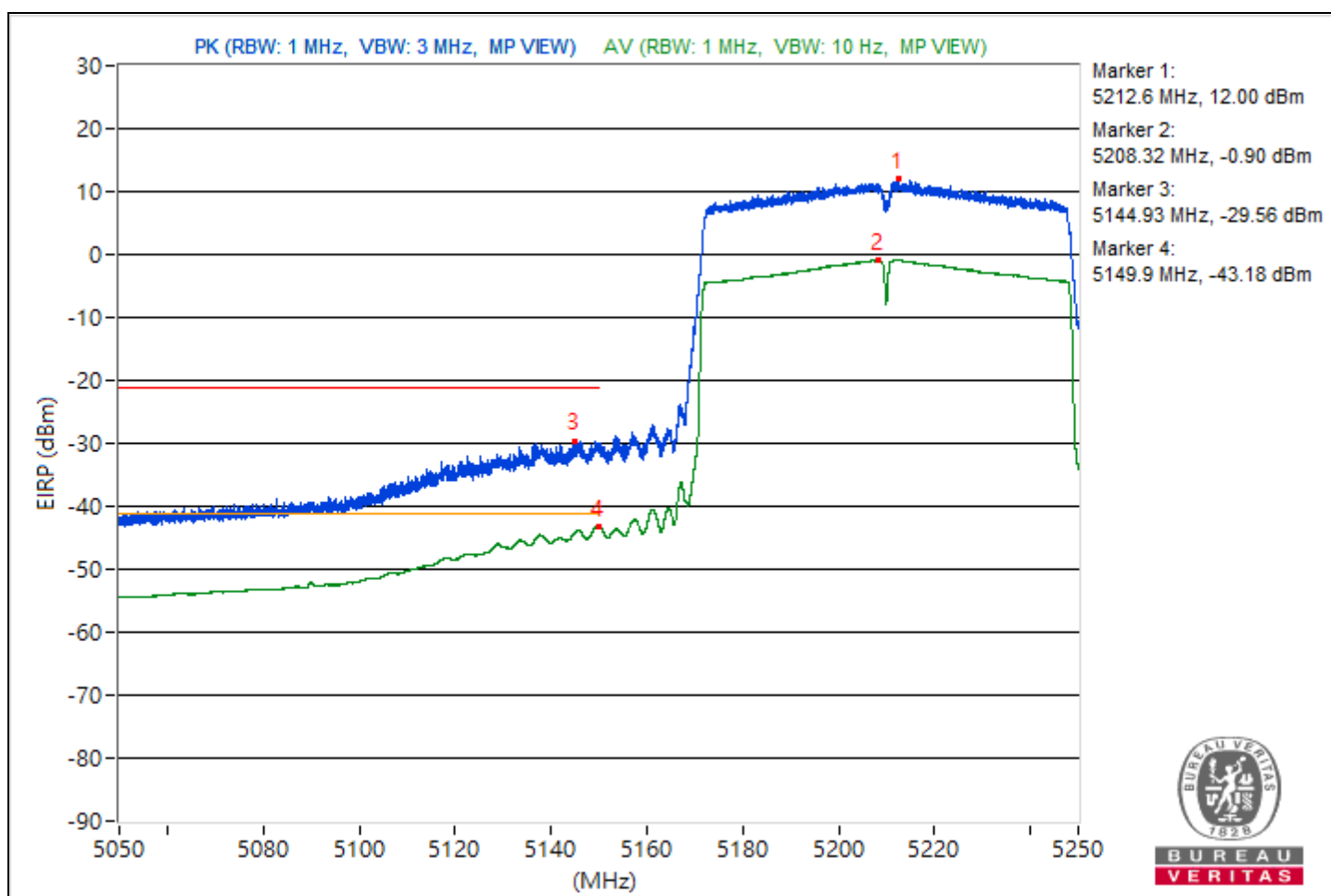


RF Mode	802.11ac (VHT80)	Channel	CH 42 : 5210 MHz
Frequency Range	5.05 GHz ~ 5.25 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 67% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5212.6	107.26 PK	-	-	3.9	3.91	5.09	12
2	*5208.32	94.36 AV	-	-	-8.83	-9.18	5.09	-0.9
3	5144.93	65.7 PK	74	-8.3	-36.71	-38.89	5.09	-29.56
4	5149.9	52.08 AV	54	-1.92	-50.84	-51.77	5.09	-43.18

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

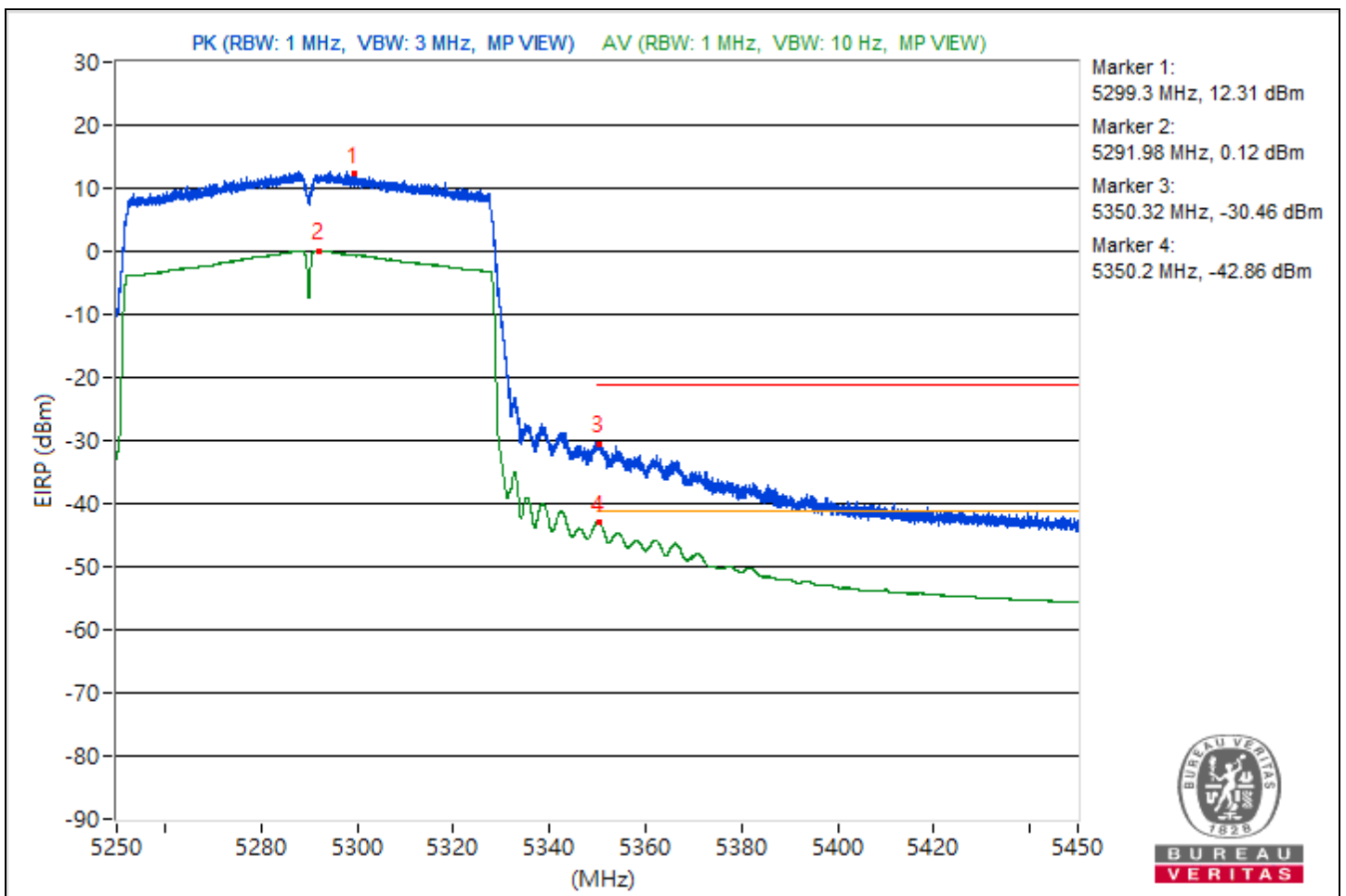


RF Mode	802.11ac (VHT80)	Channel	CH 58 : 5290 MHz
Frequency Range	5.25 GHz ~ 5.45 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 67% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5299.3	107.57 PK	-	-	4.22	3.77	5.3	12.31
2	*5291.98	95.38 AV	-	-	-8.09	-8.29	5.3	0.12
3	5350.32	64.8 PK	74	-9.2	-38.7	-38.83	5.3	-30.46
4	5350.2	52.4 AV	54	-1.6	-50.63	-51.78	5.3	-42.86

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

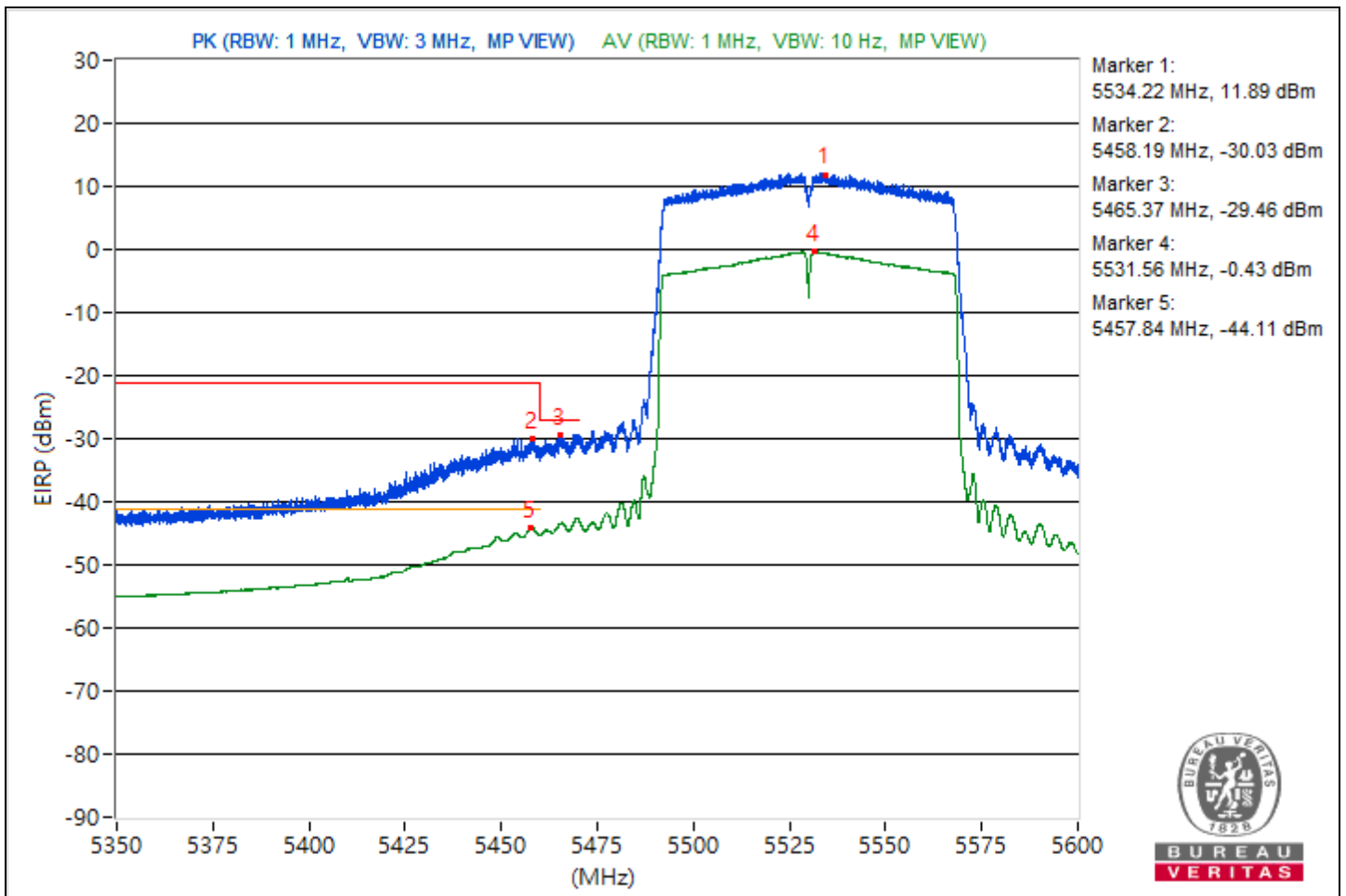


RF Mode	802.11ac (VHT80)	Channel	CH 106 : 5530 MHz
Frequency Range	5.35 GHz ~ 5.6 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 67% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5534.22	107.15 PK	-	-	1.08	4.88	5.5	11.89
2	5458.19	65.23 PK	74	-8.77	-39.13	-38.02	5.5	-30.03
3	#5465.37	65.8 PK	68.26	-2.46	-36.53	-40.16	5.5	-29.46
4	*5531.56	94.83 AV	-	-	-9.18	-8.71	5.5	-0.43
5	5457.84	51.15 AV	54	-2.85	-51.92	-53.46	5.5	-44.11

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

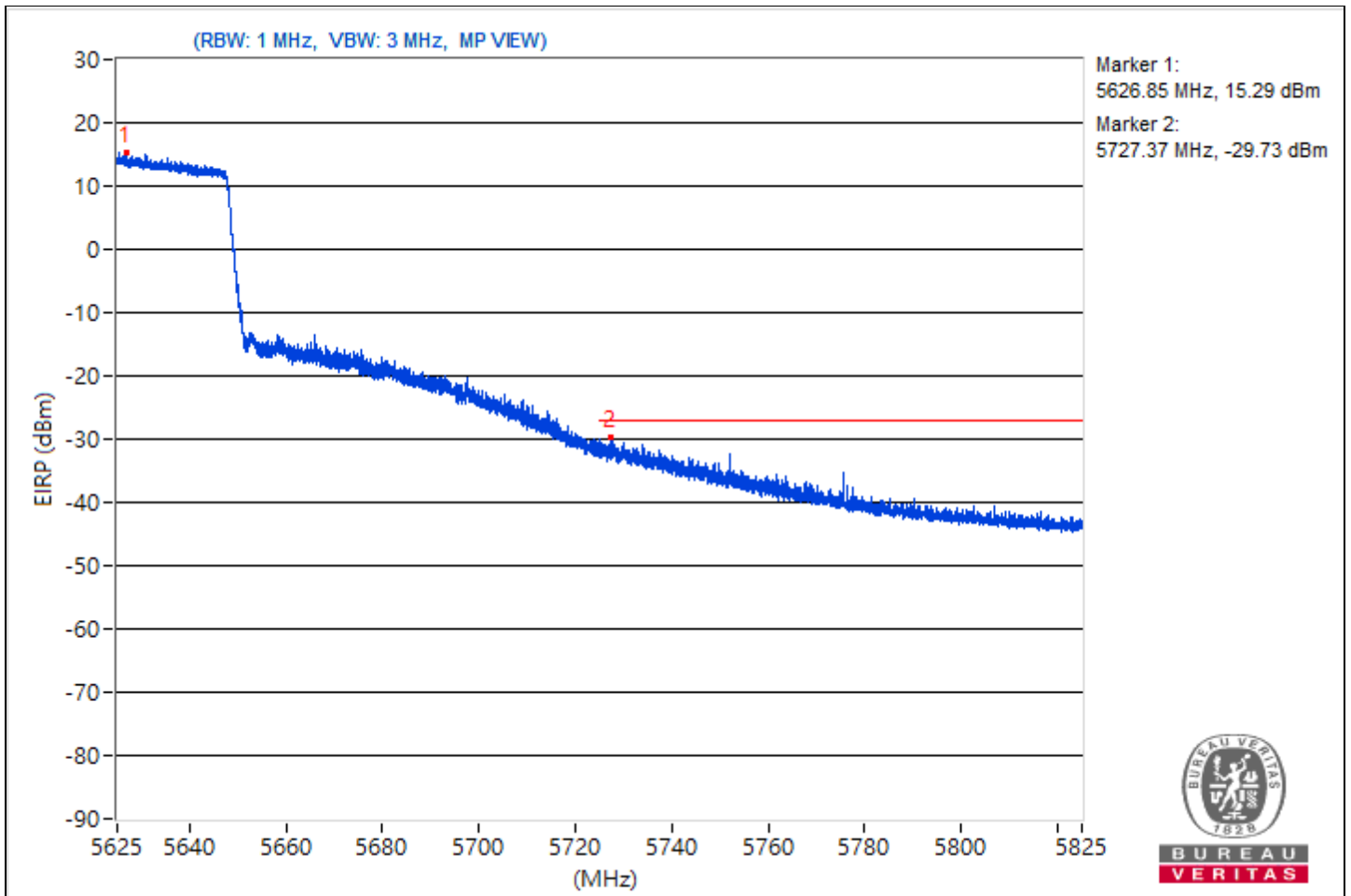


RF Mode	802.11ac (VHT80)	Channel	CH 122 : 5610 MHz
Frequency Range	5.625 GHz ~ 5.825 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5626.85	110.55	-	-	6.14	7.34	5.5	15.29
2	#5727.37	65.53	68.26	-2.73	-36.53	-41.1	5.5	-29.73

Notes:

1. Margin value = Emission Level - Limit value
2. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # ": The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)

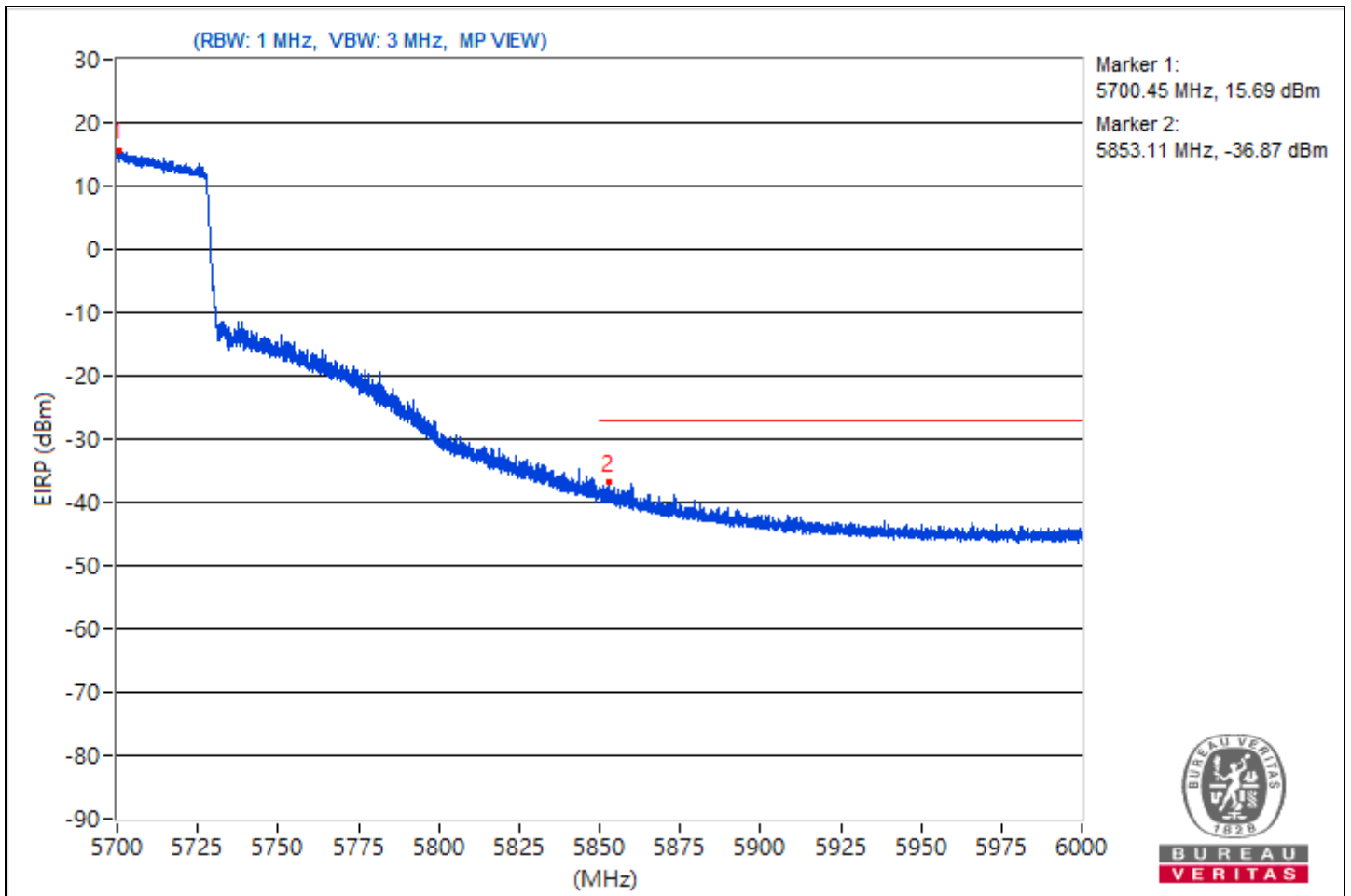


RF Mode	802.11ac (VHT80)	Channel	CH 138 : 5690 MHz
Frequency Range	5.7 GHz ~ 6 GHz	Input Power	3.3 Vdc
Environmental Conditions	22°C, 70% RH	Tested By	Rex Wang

Conducted Band Edge								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	*5700.45	110.95	-	-	5.31	8.49	5.5	15.69
2	#5853.11	58.39	68.26	-9.87	-43.65	-48.3	5.5	-36.87

Notes:

1. Margin value = Emission Level - Limit value
2. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
3. " # " : The radiated frequency is out of the restricted band.
4. EIRP Level (dBm) = Raw Value (dBm) + Correction Factor (dB)



Mode B_1TX

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10360.00	59.6 PK	68.2	-8.6	1.62 H	208	47.5	12.1

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10360.00	60.3 PK	68.2	-7.9	2.27 V	146	48.2	12.1

Remarks:

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



RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10400.00	59.6 PK	68.2	-8.6	2.78 H	168	47.6	12.0

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10400.00	60.4 PK	68.2	-7.8	1.13 V	200	48.4	12.0

Remarks:

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



RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10480.00	59.5 PK	68.2	-8.7	3.37 H	169	47.2	12.3

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10480.00	60.9 PK	68.2	-7.3	2.34 V	103	48.6	12.3

Remarks:

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



RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10520.00	60.0 PK	68.2	-8.2	2.24 H	193	47.6	12.4

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10520.00	61.1 PK	68.2	-7.1	3.31 V	147	48.7	12.4

Remarks:

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



RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	10600.00	60.0 PK	74.0	-14.0	2.63 H	273	47.6	12.4
2	10600.00	47.3 AV	54.0	-6.7	2.63 H	273	34.9	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	10600.00	60.7 PK	74.0	-13.3	1.76 V	158	48.3	12.4
2	10600.00	47.8 AV	54.0	-6.2	1.76 V	158	35.4	12.4

Remarks:

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



RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	10640.00	60.0 PK	74.0	-14.0	1.26 H	215	47.6	12.4
2	10640.00	47.8 AV	54.0	-6.2	1.26 H	215	35.4	12.4

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	10640.00	60.7 PK	74.0	-13.3	1.72 V	330	48.3	12.4
2	10640.00	48.5 AV	54.0	-5.5	1.72 V	330	36.1	12.4

Remarks:

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



RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11000.00	59.1 PK	74.0	-14.9	2.04 H	193	47.6	11.5
2	11000.00	47.2 AV	54.0	-6.8	2.04 H	193	35.7	11.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11000.00	60.0 PK	74.0	-14.0	1.83 V	149	48.5	11.5
2	11000.00	48.0 AV	54.0	-6.0	1.83 V	149	36.5	11.5

Remarks:

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



RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11160.00	59.2 PK	74.0	-14.8	3.04 H	118	47.5	11.7
2	11160.00	47.3 AV	54.0	-6.7	3.04 H	118	35.6	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11160.00	59.9 PK	74.0	-14.1	1.15 V	208	48.2	11.7
2	11160.00	48.1 AV	54.0	-5.9	1.15 V	208	36.4	11.7

Remarks:

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



RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11400.00	59.8 PK	74.0	-14.2	1.10 H	208	47.6	12.2
2	11400.00	47.6 AV	54.0	-6.4	1.10 H	208	35.4	12.2

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11400.00	60.4 PK	74.0	-13.6	2.03 V	196	48.2	12.2
2	11400.00	48.7 AV	54.0	-5.3	2.03 V	196	36.5	12.2

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.



RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11440.00	59.5 PK	74.0	-14.5	3.52 H	168	47.5	12.0
2	11440.00	47.2 AV	54.0	-6.8	3.52 H	168	35.2	12.0

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11440.00	60.6 PK	74.0	-13.4	2.20 V	147	48.6	12.0
2	11440.00	48.3 AV	54.0	-5.7	2.20 V	147	36.3	12.0

Remarks:

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

RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11490.00	60.1 PK	74.0	-13.9	1.35 H	140	48.4	11.7
2	11490.00	48.0 AV	54.0	-6.0	1.35 H	140	36.3	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11490.00	61.4 PK	74.0	-12.6	2.83 V	173	49.7	11.7
2	11490.00	49.2 AV	54.0	-4.8	2.83 V	173	37.5	11.7

Remarks:

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



RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11570.00	59.9 PK	74.0	-14.1	2.93 H	111	48.3	11.6
2	11570.00	48.0 AV	54.0	-6.0	2.93 H	111	36.4	11.6

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11570.00	61.1 PK	74.0	-12.9	1.03 V	242	49.5	11.6
2	11570.00	49.3 AV	54.0	-4.7	1.03 V	242	37.7	11.6

Remarks:

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



RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11650.00	59.6 PK	74.0	-14.4	2.07 H	116	48.3	11.3
2	11650.00	48.0 AV	54.0	-6.0	2.07 H	116	36.7	11.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11650.00	60.9 PK	74.0	-13.1	1.52 V	228	49.6	11.3
2	11650.00	48.8 AV	54.0	-5.2	1.52 V	228	37.5	11.3

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10360.00	59.6 PK	68.2	-8.6	1.68 H	225	47.5	12.1

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10360.00	60.4 PK	68.2	-7.8	2.23 V	141	48.3	12.1

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10400.00	59.2 PK	68.2	-9.0	1.16 H	205	47.2	12.0

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10400.00	60.5 PK	68.2	-7.7	2.37 V	196	48.5	12.0

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10480.00	59.6 PK	68.2	-8.6	2.37 H	148	47.3	12.3

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10480.00	60.7 PK	68.2	-7.5	1.53 V	205	48.4	12.3

Remarks:

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

RF Mode	802.11ac (VHT20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10520.00	60.0 PK	68.2	-8.2	2.28 H	105	47.6	12.4

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10520.00	60.8 PK	68.2	-7.4	3.31 V	152	48.4	12.4

Remarks:

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

RF Mode	802.11ac (VHT20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	10600.00	60.0 PK	74.0	-14.0	3.14 H	152	47.6	12.4
2	10600.00	47.8 AV	54.0	-6.2	3.14 H	152	35.4	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	10600.00	61.1 PK	74.0	-12.9	1.93 V	246	48.7	12.4
2	10600.00	49.2 AV	54.0	-4.8	1.93 V	246	36.8	12.4

Remarks:

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

RF Mode	802.11ac (VHT20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	10640.00	59.9 PK	74.0	-14.1	1.72 H	204	47.5	12.4
2	10640.00	47.6 AV	54.0	-6.4	1.72 H	204	35.2	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	10640.00	60.8 PK	74.0	-13.2	2.00 V	195	48.4	12.4
2	10640.00	49.0 AV	54.0	-5.0	2.00 V	195	36.6	12.4

Remarks:

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

RF Mode	802.11ac (VHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11000.00	60.0 PK	74.0	-14.0	1.93 H	157	48.5	11.5
2	11000.00	47.8 AV	54.0	-6.2	1.93 H	157	36.3	11.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11000.00	60.9 PK	74.0	-13.1	1.15 V	232	49.4	11.5
2	11000.00	49.0 AV	54.0	-5.0	1.15 V	232	37.5	11.5

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11160.00	59.0 PK	74.0	-15.0	2.34 H	178	47.3	11.7
2	11160.00	47.1 AV	54.0	-6.9	2.34 H	178	35.4	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11160.00	60.1 PK	74.0	-13.9	1.69 V	220	48.4	11.7
2	11160.00	48.5 AV	54.0	-5.5	1.69 V	220	36.8	11.7

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11400.00	59.7 PK	74.0	-14.3	2.26 H	153	47.5	12.2
2	11400.00	47.9 AV	54.0	-6.1	2.26 H	153	35.7	12.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11400.00	60.6 PK	74.0	-13.4	1.82 V	103	48.4	12.2
2	11400.00	48.5 AV	54.0	-5.5	1.82 V	103	36.3	12.2

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.

RF Mode	802.11ac (VHT20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11440.00	59.6 PK	74.0	-14.4	1.63 H	287	47.6	12.0
2	11440.00	47.7 AV	54.0	-6.3	1.63 H	287	35.7	12.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11440.00	60.2 PK	74.0	-13.8	1.51 V	113	48.2	12.0
2	11440.00	48.4 AV	54.0	-5.6	1.51 V	113	36.4	12.0

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11490.00	59.1 PK	74.0	-14.9	2.14 H	163	47.4	11.7
2	11490.00	47.3 AV	54.0	-6.7	2.14 H	163	35.6	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11490.00	60.2 PK	74.0	-13.8	1.63 V	208	48.5	11.7
2	11490.00	48.0 AV	54.0	-6.0	1.63 V	208	36.3	11.7

Remarks:

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

RF Mode	802.11ac (VHT20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11570.00	59.9 PK	74.0	-14.1	2.74 H	193	48.3	11.6
2	11570.00	48.3 AV	54.0	-5.7	2.74 H	193	36.7	11.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11570.00	61.0 PK	74.0	-13.0	1.15 V	214	49.4	11.6
2	11570.00	48.7 AV	54.0	-5.3	1.15 V	214	37.1	11.6

Remarks:

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

RF Mode	802.11ac (VHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11650.00	59.1 PK	74.0	-14.9	2.04 H	163	47.8	11.3
2	11650.00	47.6 AV	54.0	-6.4	2.04 H	163	36.3	11.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11650.00	59.8 PK	74.0	-14.2	1.93 V	258	48.5	11.3
2	11650.00	48.4 AV	54.0	-5.6	1.93 V	258	37.1	11.3

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10380.00	59.4 PK	68.2	-8.8	1.53 H	167	47.4	12.0

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10380.00	60.4 PK	68.2	-7.8	2.04 V	112	48.4	12.0

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10460.00	60.0 PK	68.2	-8.2	1.53 H	225	47.8	12.2

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10460.00	60.6 PK	68.2	-7.6	2.25 V	188	48.4	12.2

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10540.00	60.0 PK	68.2	-8.2	3.25 H	169	47.6	12.4

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10540.00	60.9 PK	68.2	-7.3	1.83 V	205	48.5	12.4

Remarks:

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

RF Mode	802.11ac (VHT40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	10620.00	59.9 PK	74.0	-14.1	1.63 H	117	47.6	12.3
2	10620.00	48.1 AV	54.0	-5.9	1.63 H	117	35.8	12.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	10620.00	60.7 PK	74.0	-13.3	1.38 V	224	48.4	12.3
2	10620.00	48.8 AV	54.0	-5.2	1.38 V	224	36.5	12.3

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11020.00	58.9 PK	74.0	-15.1	2.78 H	198	47.3	11.6
2	11020.00	47.0 AV	54.0	-7.0	2.78 H	198	35.4	11.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11020.00	60.3 PK	74.0	-13.7	1.26 V	227	48.7	11.6
2	11020.00	48.3 AV	54.0	-5.7	1.26 V	227	36.7	11.6

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11100.00	59.1 PK	74.0	-14.9	2.20 H	159	47.3	11.8
2	11100.00	47.2 AV	54.0	-6.8	2.20 H	159	35.4	11.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11100.00	60.3 PK	74.0	-13.7	3.24 V	186	48.5	11.8
2	11100.00	48.2 AV	54.0	-5.8	3.24 V	186	36.4	11.8

Remarks:

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

RF Mode	802.11ac (VHT40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11340.00	59.7 PK	74.0	-14.3	2.76 H	186	47.5	12.2
2	11340.00	47.6 AV	54.0	-6.4	2.76 H	186	35.4	12.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11340.00	60.5 PK	74.0	-13.5	1.11 V	136	48.3	12.2
2	11340.00	48.9 AV	54.0	-5.1	1.11 V	136	36.7	12.2

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.

RF Mode	802.11ac (VHT40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11420.00	59.7 PK	74.0	-14.3	2.69 H	117	47.6	12.1
2	11420.00	47.6 AV	54.0	-6.4	2.69 H	117	35.5	12.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11420.00	60.4 PK	74.0	-13.6	1.83 V	257	48.3	12.1
2	11420.00	48.5 AV	54.0	-5.5	1.83 V	257	36.4	12.1

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11510.00	58.9 PK	74.0	-15.1	2.68 H	112	47.3	11.6
2	11510.00	46.8 AV	54.0	-7.2	2.68 H	112	35.2	11.6

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11510.00	60.0 PK	74.0	-14.0	2.04 V	166	48.4	11.6
2	11510.00	48.4 AV	54.0	-5.6	2.04 V	166	36.8	11.6

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11590.00	58.9 PK	74.0	-15.1	2.59 H	16	47.4	11.5
2	11590.00	46.7 AV	54.0	-7.3	2.59 H	16	35.2	11.5

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11590.00	59.8 PK	74.0	-14.2	1.06 V	215	48.3	11.5
2	11590.00	48.0 AV	54.0	-6.0	1.06 V	215	36.5	11.5

Remarks:

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



RF Mode	802.11ac (VHT80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10420.00	57.5 PK	68.2	-10.7	3.25 H	187	45.5	12.0

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10420.00	59.2 PK	68.2	-9.0	1.15 V	206	47.2	12.0

Remarks:

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



RF Mode	802.11ac (VHT80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10580.00	59.8 PK	68.2	-8.4	2.53 H	112	47.4	12.4

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10580.00	60.9 PK	68.2	-7.3	1.36 V	228	48.5	12.4

Remarks:

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

RF Mode	802.11ac (VHT80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11060.00	59.0 PK	74.0	-15.0	3.25 H	289	47.3	11.7
2	11060.00	46.9 AV	54.0	-7.1	3.25 H	289	35.2	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11060.00	60.2 PK	74.0	-13.8	1.56 V	235	48.5	11.7
2	11060.00	48.4 AV	54.0	-5.6	1.56 V	235	36.7	11.7

Remarks:

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



RF Mode	802.11ac (VHT80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11220.00	59.0 PK	74.0	-15.0	1.27 H	200	47.2	11.8
2	11220.00	47.0 AV	54.0	-7.0	1.27 H	200	35.2	11.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11220.00	60.3 PK	74.0	-13.7	3.72 V	189	48.5	11.8
2	11220.00	47.9 AV	54.0	-6.1	3.72 V	189	36.1	11.8

Remarks:

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



RF Mode	802.11ac (VHT80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11380.00	59.9 PK	74.0	-14.1	2.76 H	126	47.6	12.3
2	11380.00	47.6 AV	54.0	-6.4	2.76 H	126	35.3	12.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11380.00	60.7 PK	74.0	-13.3	1.52 V	205	48.4	12.3
2	11380.00	48.4 AV	54.0	-5.6	1.52 V	205	36.1	12.3

Remarks:

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

RF Mode	802.11ac (VHT80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11550.00	58.7 PK	74.0	-15.3	2.16 H	335	47.2	11.5
2	11550.00	47.3 AV	54.0	-6.7	2.16 H	335	35.8	11.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11550.00	60.0 PK	74.0	-14.0	1.10 V	203	48.5	11.5
2	11550.00	47.6 AV	54.0	-6.4	1.10 V	203	36.1	11.5

Remarks:

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

Mode B_2TX

RF Mode	802.11ac (VHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10360.00	59.7 PK	68.2	-8.5	2.65 H	187	47.6	12.1

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10360.00	60.4 PK	68.2	-7.8	1.83 V	264	48.3	12.1

Remarks:

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

RF Mode	802.11ac (VHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10400.00	58.7 PK	68.2	-9.5	2.74 H	120	46.7	12.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10400.00	59.5 PK	68.2	-8.7	1.26 V	207	47.5	12.0

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10480.00	59.7 PK	68.2	-8.5	1.23 H	202	47.4	12.3

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10480.00	60.8 PK	68.2	-7.4	2.06 V	167	48.5	12.3

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10520.00	59.7 PK	68.2	-8.5	3.05 H	127	47.3	12.4

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10520.00	61.1 PK	68.2	-7.1	1.65 V	207	48.7	12.4

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	10600.00	60.0 PK	74.0	-14.0	1.51 H	207	47.6	12.4
2	10600.00	47.6 AV	54.0	-6.4	1.51 H	207	35.2	12.4

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	10600.00	60.7 PK	74.0	-13.3	2.34 V	148	48.3	12.4
2	10600.00	48.6 AV	54.0	-5.4	2.34 V	148	36.2	12.4

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	10640.00	59.9 PK	74.0	-14.1	2.95 H	165	47.5	12.4
2	10640.00	48.1 AV	54.0	-5.9	2.95 H	165	35.7	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	10640.00	60.6 PK	74.0	-13.4	1.32 V	206	48.2	12.4
2	10640.00	48.9 AV	54.0	-5.1	1.32 V	206	36.5	12.4

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11000.00	59.0 PK	74.0	-15.0	2.36 H	178	47.5	11.5
2	11000.00	46.7 AV	54.0	-7.3	2.36 H	178	35.2	11.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11000.00	59.2 PK	74.0	-14.8	1.62 V	207	47.7	11.5
2	11000.00	47.0 AV	54.0	-7.0	1.62 V	207	35.5	11.5

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11160.00	60.1 PK	74.0	-13.9	2.93 H	188	48.4	11.7
2	11160.00	48.2 AV	54.0	-5.8	2.93 H	188	36.5	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11160.00	60.5 PK	74.0	-13.5	1.05 V	273	48.8	11.7
2	11160.00	48.5 AV	54.0	-5.5	1.05 V	273	36.8	11.7

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11400.00	59.6 PK	74.0	-14.4	1.05 H	209	47.4	12.2
2	11400.00	47.9 AV	54.0	-6.1	1.05 H	209	35.7	12.2

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11400.00	60.9 PK	74.0	-13.1	2.06 V	125	48.7	12.2
2	11400.00	48.8 AV	54.0	-5.2	2.06 V	125	36.6	12.2

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.

RF Mode	802.11ac (VHT20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11440.00	59.5 PK	74.0	-14.5	1.10 H	263	47.5	12.0
2	11440.00	47.4 AV	54.0	-6.6	1.10 H	263	35.4	12.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11440.00	60.4 PK	74.0	-13.6	2.76 V	153	48.4	12.0
2	11440.00	48.6 AV	54.0	-5.4	2.76 V	153	36.6	12.0

Remarks:

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

RF Mode	802.11ac (VHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11490.00	59.0 PK	74.0	-15.0	1.39 H	208	47.3	11.7
2	11490.00	47.3 AV	54.0	-6.7	1.39 H	208	35.6	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11490.00	60.1 PK	74.0	-13.9	2.32 V	171	48.4	11.7
2	11490.00	48.0 AV	54.0	-6.0	2.32 V	171	36.3	11.7

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11570.00	58.9 PK	74.0	-15.1	2.27 H	149	47.3	11.6
2	11570.00	46.7 AV	54.0	-7.3	2.27 H	149	35.1	11.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11570.00	60.3 PK	74.0	-13.7	1.87 V	200	48.7	11.6
2	11570.00	48.1 AV	54.0	-5.9	1.87 V	200	36.5	11.6

Remarks:

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



RF Mode	802.11ac (VHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11650.00	58.8 PK	74.0	-15.2	3.26 H	191	47.5	11.3
2	11650.00	46.6 AV	54.0	-7.4	3.26 H	191	35.3	11.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11650.00	59.6 PK	74.0	-14.4	2.04 V	169	48.3	11.3
2	11650.00	47.7 AV	54.0	-6.3	2.04 V	169	36.4	11.3

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10380.00	59.2 PK	68.2	-9.0	1.36 H	201	47.2	12.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10380.00	60.5 PK	68.2	-7.7	2.97 V	142	48.5	12.0

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10460.00	59.6 PK	68.2	-8.6	2.69 H	177	47.4	12.2

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10460.00	60.9 PK	68.2	-7.3	1.30 V	208	48.7	12.2

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10540.00	59.8 PK	68.2	-8.4	2.08 H	169	47.4	12.4

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10540.00	60.9 PK	68.2	-7.3	1.43 V	195	48.5	12.4

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	10620.00	59.9 PK	74.0	-14.1	1.93 H	181	47.6	12.3
2	10620.00	47.9 AV	54.0	-6.1	1.93 H	181	35.6	12.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	10620.00	60.6 PK	74.0	-13.4	2.46 V	102	48.3	12.3
2	10620.00	48.6 AV	54.0	-5.4	2.46 V	102	36.3	12.3

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11020.00	59.2 PK	74.0	-14.8	1.93 H	211	47.6	11.6
2	11020.00	47.0 AV	54.0	-7.0	1.93 H	211	35.4	11.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11020.00	59.9 PK	74.0	-14.1	2.43 V	168	48.3	11.6
2	11020.00	48.0 AV	54.0	-6.0	2.43 V	168	36.4	11.6

Remarks:

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

RF Mode	802.11ac (VHT40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11100.00	59.4 PK	74.0	-14.6	2.97 H	146	47.6	11.8
2	11100.00	47.3 AV	54.0	-6.7	2.97 H	146	35.5	11.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11100.00	60.0 PK	74.0	-14.0	1.52 V	204	48.2	11.8
2	11100.00	47.3 AV	54.0	-6.7	1.52 V	204	35.5	11.8

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11340.00	60.9 PK	74.0	-13.1	1.96 H	228	48.7	12.2
2	11340.00	48.9 AV	54.0	-5.1	1.96 H	228	36.7	12.2

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11340.00	61.7 PK	74.0	-12.3	2.65 V	171	49.5	12.2
2	11340.00	49.6 AV	54.0	-4.4	2.65 V	171	37.4	12.2

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.



RF Mode	802.11ac (VHT40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11420.00	60.4 PK	74.0	-13.6	3.47 H	120	48.3	12.1
2	11420.00	48.2 AV	54.0	-5.8	3.47 H	120	36.1	12.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11420.00	61.0 PK	74.0	-13.0	1.82 V	236	48.9	12.1
2	11420.00	48.9 AV	54.0	-5.1	1.82 V	236	36.8	12.1

Remarks:

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



RF Mode	802.11ac (VHT40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11510.00	58.7 PK	74.0	-15.3	2.53 H	307	47.1	11.6
2	11510.00	47.0 AV	54.0	-7.0	2.53 H	307	35.4	11.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11510.00	60.1 PK	74.0	-13.9	2.41 V	130	48.5	11.6
2	11510.00	47.8 AV	54.0	-6.2	2.41 V	130	36.2	11.6

Remarks:

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

RF Mode	802.11ac (VHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11590.00	58.8 PK	74.0	-15.2	2.31 H	172	47.3	11.5
2	11590.00	46.9 AV	54.0	-7.1	2.31 H	172	35.4	11.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11590.00	59.6 PK	74.0	-14.4	1.18 V	205	48.1	11.5
2	11590.00	47.7 AV	54.0	-6.3	1.18 V	205	36.2	11.5

Remarks:

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



RF Mode	802.11ac (VHT80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10420.00	59.5 PK	68.2	-8.7	1.32 H	217	47.5	12.0

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10420.00	60.2 PK	68.2	-8.0	2.21 V	264	48.2	12.0

Remarks:

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

RF Mode	802.11ac (VHT80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	#10580.00	59.7 PK	68.2	-8.5	2.35 H	147	47.3	12.4

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#10580.00	60.9 PK	68.2	-7.3	1.13 V	202	48.5	12.4

Remarks:

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

RF Mode	802.11ac (VHT80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11060.00	59.0 PK	74.0	-15.0	1.26 H	244	47.3	11.7
2	11060.00	47.3 AV	54.0	-6.7	1.26 H	244	35.6	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11060.00	60.2 PK	74.0	-13.8	2.48 V	105	48.5	11.7
2	11060.00	48.1 AV	54.0	-5.9	2.48 V	105	36.4	11.7

Remarks:

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



RF Mode	802.11ac (VHT80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11220.00	59.3 PK	74.0	-14.7	3.72 H	206	47.5	11.8
2	11220.00	47.0 AV	54.0	-7.0	3.72 H	206	35.2	11.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11220.00	60.4 PK	74.0	-13.6	2.25 V	173	48.6	11.8
2	11220.00	48.4 AV	54.0	-5.6	2.25 V	173	36.6	11.8

Remarks:

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

RF Mode	802.11ac (VHT80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11380.00	59.6 PK	74.0	-14.4	1.15 H	79	47.3	12.3
2	11380.00	47.6 AV	54.0	-6.4	1.15 H	79	35.3	12.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11380.00	60.9 PK	74.0	-13.1	1.56 V	229	48.6	12.3
2	11380.00	48.7 AV	54.0	-5.3	1.56 V	229	36.4	12.3

Remarks:

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

RF Mode	802.11ac (VHT80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 73% RH
Tested By	Vincent 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	11550.00	59.1 PK	74.0	-14.9	2.64 H	172	47.6	11.5
2	11550.00	46.9 AV	54.0	-7.1	2.64 H	172	35.4	11.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11550.00	59.8 PK	74.0	-14.2	1.42 V	203	48.3	11.5
2	11550.00	47.6 AV	54.0	-6.4	1.42 V	203	36.1	11.5

Remarks:

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

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)



9 Information of the Testing Laboratories

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

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

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