# TEST REPORT

## CERTIFICATE OF CONFORMITY

| | |
|---|---|
| **Standard:** | **47 CFR FCC Part 15, Subpart E (Section 15.407)** |
| **Report No.:** | RFBWIN-WTW-P23020421G |
| **FCC ID:** | J9C-QCNCM825 |
| **Product:** | Qualcomm WiFi 7/BT Combo module |
| **Brand:** | Qualcomm |
| **Model No.:** | QCNCM825 |
| **Received Date:** | 2024/2/15 |
| **Test Date:** | 2024/4/10 ~ 2024/5/13 |
| **Issued Date:** | 2024/8/8 |
| **Applicant:** | Qualcomm Technologies, Inc. |
| **Address:** | 5775 Morehouse Drive, San Diego, CA 92121-1714 |
| **Issued By:** | Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch<br>Hsin Chu Laboratory |
| **Lab Address:** | E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan |
| **Test Location:** | E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan |
| **FCC Registration / Designation Number:** | 723255 / TW2022 |

**Approved by:** _____ , **Date:** 2024/8/8

Wen Yu / Assistant Manager

This test report consists of 715 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The test results in the report only apply to the tested sample. The test results in this report are traceable to the national or international standards.

Prepared by : Phoenix Huang / Specialist

# Table of Contents

## Release Control Record

| Issue No. | Description | Date Issued |
|---|---|---|
| RFBWIN-WTW-P23020421G | Original release. | 2024/8/8 |

# 1 Certificate

| | |
|---|---|
| **Product:** | Qualcomm WiFi 7/BT Combo module |
| **Brand:** | Qualcomm |
| **Test Model:** | QCNCM825 |
| **Sample Status:** | Engineering sample |
| **Applicant:** | Qualcomm Technologies, Inc. |
| **Test Date:** | 2024/4/10 ~ 2024/5/13 |
| **Standard:** | 47 CFR FCC Part 15, Subpart E (Section 15.407) |
| **Measurement procedure:** | ANSI C63.10-2013<br>KDB 987594 D02 U-NII 6 GHz EMC Measurement v02r01<br>KDB 789033 D02 General UNII Test Procedure New Rules v02r01<br>KDB 662911 D01 Multiple Transmitter Output v02r01 |

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

## 2 Summary of Test Results

| 47 CFR FCC Part 15, Subpart E (Section 15.407) | | | |
|---|---|---|---|
| Clause | Test Item | Result | Remark |
| 15.407(a)(7)<br>15.407(a)(8) | Maximum RF Output Power | Pass | Meet the requirement of limit. |
| 15.407(a)(7)<br>15.407(a)(8) | Maximum Power Spectral Density | Pass | Meet the requirement of limit. |
| 15.407(a)(11) | Emission Bandwidth | Pass | Meet the requirement of limit. |
| --- | Occupied Bandwidth | - | Reference only. |
| 15.407(b)(9) | AC Power Conducted Emissions | Pass | Minimum passing margin is -10.47 dB at 0.17344 MHz |
| 15.407(b)(9) | Unwanted Emissions below 1 GHz | Pass | Minimum passing margin is -4.2 dB at 303.22 MHz |
| 15.407(b)(6)<br>15.407(b)(10) | Unwanted Emissions above 1 GHz | Pass | Minimum passing margin is -0.03 dB at 5924.98 MHz |
| 15.407(b)(7) | In-Band Emission Mask | Pass | Meet the requirement of limit. |
| 15.407(d)(6) | Contention-based Protocol | N/A | Refer to Note 1 below |
| 15.407(g) | Frequency Stability | Pass | Meet the requirement of limit. |
| 15.203 | Antenna Requirement | Pass | Antenna connector is MHF 4L not a standard connector. |

Notes:

1. All test items (except for Contention-based Protocol test item) were performed for this addendum. The others testing data refer to original test report.
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
3. Per TCBC notice, FCC allows 99% BW measurements for Wi-Fi 320MHz BW mode instead of Emission Bandwidth.

### 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) (±) |
|---|---|---|
| Emission Bandwidth | - | 1050.00 Hz |
| In-Band Emission Mask | 9 kHz ~ 40 GHz | 2.6 dB |
| Occupied Bandwidth | - | 1050.00 Hz |
| Frequency Stability | - | 0.16 ppm |
| AC Power Conducted Emissions | 150 kHz ~ 30 MHz | 1.9 dB |
| Unwanted Emissions below 1 GHz | 9 kHz ~ 30 MHz | 3.1 dB |
| | 30 MHz ~ 1 GHz | 5.5 dB |
| Unwanted Emissions above 1 GHz | 1 GHz ~ 18 GHz | 5.1 dB |
| | 18 GHz ~ 40 GHz | 5.3 dB |

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

### 2.2 Supplementary Information

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

# 3 General Information

## 3.1 General Description of EUT

| | |
|---|---|
| Product | Qualcomm WiFi 7/BT Combo module |
| Brand | Qualcomm |
| Test Model | QCNCM825 |
| Status of EUT | Engineering sample |
| Power Supply Rating | 3.3 Vdc from host equipment |
| Modulation Type | 64QAM, 16QAM, QPSK, BPSK for OFDM<br>4096QAM for OFDMA in 11ax mode<br>4096QAM for OFDMA in 11be mode |
| Modulation Technology | OFDM, OFDMA |
| Transfer Rate | 802.11a: up to 54 Mbps<br>802.11ax: up to 2969.7 Mbps<br>802.11be: up to 5764.7 Mbps |
| Operating Frequency | 5.935 GHz ~ 6.415 GHz<br>6.425 GHz ~ 6.525 GHz<br>6.535 GHz ~ 6.865 GHz<br>6.875 GHz ~ 7.115 GHz |
| Number of Channel | 802.11a, 802.11ax (HE20), 802.11be (EHT20): 60<br>802.11ax (HE40), 802.11be (EHT40): 29<br>802.11ax (HE80), 802.11be (EHT80): 14<br>802.11ax (HE160), 802.11be (EHT160): 7<br>802.11be (EHT320): 6 |
| Resource Unit (RU) | Single RU: 26-tone, 52-tone, 106-tone, 242-tone, 484-tone, 996-tone, 2 * 996-tone, 4 * 996-tone<br>Multi-RU (Small RU): 52-tone + 26-tone, 106-tone + 26-tone<br>Multi-RU (Large RU): 484-tone + 242-tone, 996-tone + 484-tone,<br>996-tone + 484-tone + 242-tone, 2 * 996 + 484-tone, 3 * 996-tone, 3 * 996 + 484-tone |
| Channel Puncturing (Large RU) | 80 MHz punctured by 20 MHz,<br>160 MHz punctured by 20 MHz, 160 MHz punctured by 40 MHz<br>320 MHz punctured by 40 MHz, 320 MHz punctured by 80 MHz<br>320 MHz punctured by 80+40 MHz |
| Output Power | **(under the control of a low-power indoor AP)**<br>**1Tx:**<br>5.935 GHz ~ 6.415 GHz : EIRP: 145.88 mW (21.64 dBm)<br>6.425 GHz ~ 6.525 GHz : EIRP: 136.772 mW (21.36 dBm)<br>6.535 GHz ~ 6.865 GHz : EIRP: 149.625 mW (21.75 dBm)<br>6.875 GHz ~ 7.115 GHz : EIRP: 132.434 mW (21.22 dBm)<br>**2Tx:**<br>5.935 GHz ~ 6.415 GHz : EIRP: 13.815 mW (11.4 dBm)<br>6.425 GHz ~ 6.525 GHz : EIRP: 12.575 mW (11 dBm)<br>6.535 GHz ~ 6.865 GHz : EIRP: 11.588 mW (10.64 dBm)<br>6.875 GHz ~ 7.115 GHz : EIRP: 10.79 mW (10.33 dBm) |
| Equipment Class | 6CD: 15E 6 GHz Dual client |

Note:

1. This report is prepared for FCC class II permissive change. The difference compared with the Report No.: RFBWIN-WTW-P23020421-4 R4 as the following:
   - ◆ Enable SIMO in under control of a low-power indoor access point mode through software change.
   - ◆ Improve 20 MHz output power level of under control of a low-power indoor access point mode.
2. According to above condition, for dual client devices (under control of a low-power indoor access point) equipment class, all test items (except for Contention-based Protocol test item) need to be performed. And all data was verified to meet the requirements.
3. The module has below variant designs as following table:

| SKU No. | Support platform system and feature |
|---|---|
| NCM825 | X86 platform, support DBS |
| NCM825A | Qualcomm platform, support DBS |

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

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

6. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.
7. This device no support multiple 6E band simultaneously operation.
8. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

### 3.2 Antenna Description of EUT

1. The antenna information is listed as below.

| Antenna Set | RF Chain No. | Brand | Model | Antenna Net Gain (dBi) | Frequency Range (GHz) | Cable Loss (dB) | Antenna Type | Connector Type | Cable Length (mm) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Chain0/1 | Hong-Bo | 260-25094 | 3.53<br>3.06<br>3.07<br>4.81<br>4.2 | 2.4~2.4835<br>5.15~5.25<br>5.25~5.35<br>5.47~5.725<br>5.725~5.850 | 0.74<br>1.16<br>1.18<br>1.26<br>1.28 | PIFA | MHF 4L | 300 |
| 2 | Chain0/1 | Hong-Bo | 260-25083 | 5.09<br>5.14<br>5.09<br>5.16<br>5.12 | 5.850~5.895<br>5.925~6.425<br>6.425~6.525<br>6.525~6.875<br>6.875~7.125 | 1.29<br>1.35<br>1.38<br>1.45<br>1.50 | PIFA | MHF 4L | 300 |
| 3 | Chain0/1 | Hong-Bo | 260-25084 | 3.22<br>3.35<br>3.42<br>4.77<br>4.72<br>4.71<br>4.75<br>4.29<br>4.81<br>4.74 | 2.4~2.4835<br>5.150~5.250<br>5.250~5.350<br>5.470~5.725<br>5.725~5.850<br>5.850~5.895<br>5.925~6.425<br>6.425~6.525<br>6.525~6.875<br>6.875~7.125 | 0.49<br>0.76<br>0.77<br>0.80<br>0.84<br>0.84<br>0.86<br>0.91<br>0.96<br>0.98 | Monopole | MHF 4L | 200 |

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

2. The EUT incorporates a MIMO function:

| 6 GHz Band | | |
|---|---|---|
| **Modulation Mode** | **TX & RX Configuration** | |
| **802.11a** | 2TX / 1TX | 2RX |
| **802.11ax (HE20)** | 2TX / 1TX | 2RX |
| **802.11ax (HE40)** | 2TX / 1TX | 2RX |
| **802.11ax (HE80)** | 2TX / 1TX | 2RX |
| **802.11ax (HE160)** | 2TX / 1TX | 2RX |
| **802.11be (EHT20)** | 2TX / 1TX | 2RX |
| **802.11be (EHT40)** | 2TX / 1TX | 2RX |
| **802.11be (EHT80)** | 2TX / 1TX | 2RX |
| **802.11be (EHT160)** | 2TX / 1TX | 2RX |
| **802.11be (EHT320)** | 2TX / 1TX | 2RX |
| **802.11ax (RU26/52/106/242/484/996/2*996)** | 2TX / 1TX | 2RX |
| **802.11be (RU26/52/106/242/484/996/2*996/4*996/ MRU52+26/106+26/484+242/996+484/ 996+484+242/ 2*996+484/3*996/3*996+484)** | 2TX / 1TX | 2RX |
| Note: The modulation and bandwidth are similar for 802.11ax/be mode for 20 MHz (40 MHz, 80 MHz, 160 MHz). | | |

### 3.3 Channel List

**U-NII-5:**

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

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

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

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

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

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

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

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

2 channels are provided for 802.11be (EHT320):

| Channel | Frequency | Channel | Frequency |
|---|---|---|---|
| 31 | 6105 MHz | 63 | 6265 MHz |

**U-NII-6:**

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

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

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

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

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

| Channel | Frequency |
|---|---|
| 103 | 6465 MHz |

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

| Channel | Frequency |
|---|---|
| *111 | 6505 MHz |

1 channel is provided for 802.11be (EHT320):

| Channel | Frequency |
|---|---|
| *95 | 6425 MHz |

**U-NII-7:**

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

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

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

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

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

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

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

| Channel | Frequency | Channel | Frequency |
|---|---|---|---|
| 143 | 6665 MHz | *175 | 6825 MHz |

2 channels are provided for 802.11be (EHT320):

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

**U-NII-8:**

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

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

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

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

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

| Channel | Frequency | Channel | Frequency |
|---|---|---|---|
| 199 | 6945 MHz | 215 | 7025 MHz |

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

| Channel | Frequency |
|---|---|
| 207 | 6985 MHz |

1 channel is provided for 802.11be (EHT320):

| Channel | Frequency |
|---|---|
| *191 | 6905 MHz |

Note: * mean these are straddle channels.

### 3.4 Test Mode Applicability and Tested Channel Detail

| | |
|---|---|
| Pre-Scan: | Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). |

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

| Test Item | EUT Configure Mode | Mode | Signal Mode | Tx Ant. | Category | Tested Channel | Modulation | Data Rate Parameter |
|---|---|---|---|---|---|---|---|---|
| Maximum RF Output Power | A | 802.11a | Nss1 | 1Tx / 2Tx | under control of a low-power indoor AP | 2, 1, 45, 93<br>97, 105, 113<br>117, 149, 181<br>185, 209, 233 | BPSK | 6Mb/s |
| | | 802.11ax (HE20) | | | | 2, 1, 45, 93<br>97, 105, 113<br>117, 149, 181<br>185, 209, 233 | BPSK | MCS0 |
| | | 802.11ax (HE40) | Nss1 | 1Tx | | 3, 43, 91<br>99, 107, 115<br>123, 155, 179<br>187, 211, 227 | BPSK | MCS0 |
| | | 802.11ax (HE80) | | | | 7, 39, 87<br>103<br>119, 151, 183<br>199, 215 | BPSK | MCS0 |
| | | 802.11ax (HE160) | | | | 15, 47, 79<br>111<br>143, 175<br>207 | BPSK | MCS0 |
| | | 802.11be (EHT20) | Nss1 | 1Tx / 2Tx | | 2, 1, 45, 93<br>97, 105, 113<br>117, 149, 181<br>185, 209, 233 | BPSK | MCS0 |
| | | 802.11be (EHT40) | Nss1 | 1Tx | | 3, 43, 91<br>99, 107, 115<br>123, 155, 179<br>187, 211, 227 | BPSK | MCS0 |
| | | 802.11be (EHT80) | | | | 7, 39, 87<br>103<br>119, 151, 183<br>199, 215 | BPSK | MCS0 |
| | | 802.11be (EHT160) | | | | 15, 47, 79<br>111<br>143, 175<br>207 | BPSK | MCS0 |
| | | 802.11be (EHT320) | | | | 31, 63<br>95<br>127, 159<br>191 | BPSK | MCS0 |
| | C | 802.11ax (HE20) | Nss2 | 2Tx | | 2, 1, 45, 93<br>97, 105, 113<br>117, 149, 181<br>185, 209, 233 | BPSK | MCS0 |
| | | 802.11be (EHT20) | | | | 2, 1, 45, 93<br>97, 105, 113<br>117, 149, 181<br>185, 209, 233 | BPSK | MCS0 |

| Test Item | EUT Configure Mode | Mode | Signal Mode | Tx Ant. | Category | Tested Channel | Modulation | Data Rate Parameter |
|---|---|---|---|---|---|---|---|---|
| Maximum Power Spectral Density | A | 802.11a | Nss1 | 1Tx / 2Tx | under control of a low-power indoor AP | 2, 1, 45, 93 | BPSK | 6Mb/s |
| | | | | | | 97, 105, 113 | | |
| | | | | | | 117, 149, 181 | | |
| | | | | | | 185, 209, 233 | | |
| | | 802.11ax (HE20) | | | | 2, 1, 45, 93 | BPSK | MCS0 |
| | | | | | | 97, 105, 113 | | |
| | | | | | | 117, 149, 181 | | |
| | | | | | | 185, 209, 233 | | |
| | | 802.11ax (HE40) | Nss1 | 1Tx | | 3, 43, 91 | BPSK | MCS0 |
| | | | | | | 99, 107, 115 | | |
| | | | | | | 123, 155, 179 | | |
| | | | | | | 187, 211, 227 | | |
| | | 802.11ax (HE80) | | | | 7, 39, 87 | BPSK | MCS0 |
| | | | | | | 103 | | |
| | | | | | | 119, 151, 183 | | |
| | | | | | | 199, 215 | | |
| | | 802.11ax (HE160) | | | | 15, 47, 79 | BPSK | MCS0 |
| | | | | | | 111 | | |
| | | | | | | 143, 175 | | |
| | | | | | | 207 | | |
| | | 802.11be (EHT20) | Nss1 | 1Tx / 2Tx | | 2, 1, 45, 93 | BPSK | MCS0 |
| | | | | | | 97, 105, 113 | | |
| | | | | | | 117, 149, 181 | | |
| | | | | | | 185, 209, 233 | | |
| | | 802.11be (EHT40) | Nss1 | 1Tx | | 3, 43, 91 | BPSK | MCS0 |
| | | | | | | 99, 107, 115 | | |
| | | | | | | 123, 155, 179 | | |
| | | | | | | 187, 211, 227 | | |
| | | 802.11be (EHT80) | | | | 7, 39, 87 | BPSK | MCS0 |
| | | | | | | 103 | | |
| | | | | | | 119, 151, 183 | | |
| | | | | | | 199, 215 | | |
| | | 802.11be (EHT160) | | | | 15, 47, 79 | BPSK | MCS0 |
| | | | | | | 111 | | |
| | | | | | | 143, 175 | | |
| | | | | | | 207 | | |
| | | 802.11be (EHT320) | | | | 31, 63 | BPSK | MCS0 |
| | | | | | | 95 | | |
| | | | | | | 127, 159 | | |
| | | | | | | 191 | | |

| Test Item | EUT Configure Mode | Mode | Signal Mode | Tx Ant. | Category | Tested Channel | Modulation | Data Rate Parameter |
|---|---|---|---|---|---|---|---|---|
| Emission Bandwidth | A | 802.11a | Nss1 | 1Tx / 2Tx | under control of a low-power indoor AP | 2, 1, 45, 93<br>97, 105, 113<br>117, 149, 181<br>185, 209, 233 | BPSK | 6Mb/s |
| | | 802.11ax (HE20) | | | | 2, 1, 45, 93<br>97, 105, 113<br>117, 149, 181<br>185, 209, 233 | BPSK | MCS0 |
| | | 802.11ax (HE40) | Nss1 | 1Tx | | 3, 43, 91<br>99, 107, 115<br>123, 155, 179<br>187, 211, 227 | BPSK | MCS0 |
| | | 802.11ax (HE80) | | | | 7, 39, 87<br>103<br>119, 151, 183<br>199, 215 | BPSK | MCS0 |
| | | 802.11ax (HE160) | | | | 15, 47, 79<br>111<br>143, 175<br>207 | BPSK | MCS0 |
| | | 802.11be (EHT20) | Nss1 | 1Tx / 2Tx | | 2, 1, 45, 93<br>97, 105, 113<br>117, 149, 181<br>185, 209, 233 | BPSK | MCS0 |
| | | 802.11be (EHT40) | Nss1 | 1Tx | | 3, 43, 91<br>99, 107, 115<br>123, 155, 179<br>187, 211, 227 | BPSK | MCS0 |
| | | 802.11be (EHT80) | | | | 7, 39, 87<br>103<br>119, 151, 183<br>199, 215 | BPSK | MCS0 |
| | | 802.11be (EHT160) | | | | 15, 47, 79<br>111<br>143, 175<br>207 | BPSK | MCS0 |
| | | 802.11be (EHT320) | | | | 31, 63<br>95<br>127, 159<br>191 | BPSK | MCS0 |

| Test Item | EUT Configure Mode | Mode | Signal Mode | Tx Ant. | Category | Tested Channel | Modulation | Data Rate Parameter |
|---|---|---|---|---|---|---|---|---|
| In-Band Emission Mask | A | 802.11a | Nss1 | 1Tx / 2Tx | under control of a low-power indoor AP | 2, 1, 45, 93 | BPSK | 6Mb/s |
| | | | | | | 97, 105, 113 | | |
| | | | | | | 117, 149, 181 | | |
| | | | | | | 185, 209, 233 | | |
| | | 802.11ax (HE20) | | | | 2, 1, 45, 93 | BPSK | MCS0 |
| | | | | | | 97, 105, 113 | | |
| | | | | | | 117, 149, 181 | | |
| | | | | | | 185, 209, 233 | | |
| | | 802.11ax (HE40) | Nss1 | 1Tx | | 3, 43, 91 | BPSK | MCS0 |
| | | | | | | 99, 107, 115 | | |
| | | | | | | 123, 155, 179 | | |
| | | | | | | 187, 211, 227 | | |
| | | 802.11ax (HE80) | | | | 7, 39, 87 | BPSK | MCS0 |
| | | | | | | 103 | | |
| | | | | | | 119, 151, 183 | | |
| | | | | | | 199, 215 | | |
| | | 802.11ax (HE160) | | | | 15, 47, 79 | BPSK | MCS0 |
| | | | | | | 111 | | |
| | | | | | | 143, 175 | | |
| | | | | | | 207 | | |
| | | 802.11be (EHT20) | Nss1 | 1Tx / 2Tx | | 2, 1, 45, 93 | BPSK | MCS0 |
| | | | | | | 97, 105, 113 | | |
| | | | | | | 117, 149, 181 | | |
| | | | | | | 185, 209, 233 | | |
| | | 802.11be (EHT40) | Nss1 | 1Tx | | 3, 43, 91 | BPSK | MCS0 |
| | | | | | | 99, 107, 115 | | |
| | | | | | | 123, 155, 179 | | |
| | | | | | | 187, 211, 227 | | |
| | | 802.11be (EHT80) | | | | 7, 39, 87 | BPSK | MCS0 |
| | | | | | | 103 | | |
| | | | | | | 119, 151, 183 | | |
| | | | | | | 199, 215 | | |
| | | 802.11be (EHT160) | | | | 15, 47, 79 | BPSK | MCS0 |
| | | | | | | 111 | | |
| | | | | | | 143, 175 | | |
| | | | | | | 207 | | |
| | | 802.11be (EHT320) | | | | 31, 63 | BPSK | MCS0 |
| | | | | | | 95 | | |
| | | | | | | 127, 159 | | |
| | | | | | | 191 | | |

| Test Item | EUT Configure Mode | Mode | Signal Mode | Tx Ant. | Category | Tested Channel | Modulation | Data Rate Parameter |
|---|---|---|---|---|---|---|---|---|
| Occupied Bandwidth | A | 802.11a | Nss1 | 1Tx / 2Tx | under control of a low-power indoor AP | 2, 1, 45, 93<br>97, 105, 113<br>117, 149, 181<br>185, 209, 233 | BPSK | 6Mb/s |
| | | 802.11ax (HE20) | | | | 2, 1, 45, 93<br>97, 105, 113<br>117, 149, 181<br>185, 209, 233 | BPSK | MCS0 |
| | | 802.11ax (HE40) | Nss1 | 1Tx | | 3, 43, 91<br>99, 107, 115<br>123, 155, 179<br>187, 211, 227 | BPSK | MCS0 |
| | | 802.11ax (HE80) | | | | 7, 39, 87<br>103<br>119, 151, 183<br>199, 215 | BPSK | MCS0 |
| | | 802.11ax (HE160) | | | | 15, 47, 79<br>111<br>143, 175<br>207 | BPSK | MCS0 |
| | | 802.11be (EHT20) | Nss1 | 1Tx / 2Tx | | 2, 1, 45, 93<br>97, 105, 113<br>117, 149, 181<br>185, 209, 233 | BPSK | MCS0 |
| | | 802.11be (EHT40) | Nss1 | 1Tx | | 3, 43, 91<br>99, 107, 115<br>123, 155, 179<br>187, 211, 227 | BPSK | MCS0 |
| | | 802.11be (EHT80) | | | | 7, 39, 87<br>103<br>119, 151, 183<br>199, 215 | BPSK | MCS0 |
| | | 802.11be (EHT160) | | | | 15, 47, 79<br>111<br>143, 175<br>207 | BPSK | MCS0 |
| | | 802.11be (EHT320) | | | | 31, 63<br>95<br>127, 159<br>191 | BPSK | MCS0 |
| Frequency Stability | A | 802.11a | - | 1Tx | - | 2 | un-modulation | - |
| AC Power Conducted Emissions | D | 802.11be (EHT320) | Nss1 | 1Tx | under control of a low-power indoor AP | 127 | BPSK | MCS0 |
| Unwanted Emissions below 1 GHz | A, B | 802.11be (EHT320) | Nss1 | 1Tx | under control of a low-power indoor AP | 127 | BPSK | MCS0 |

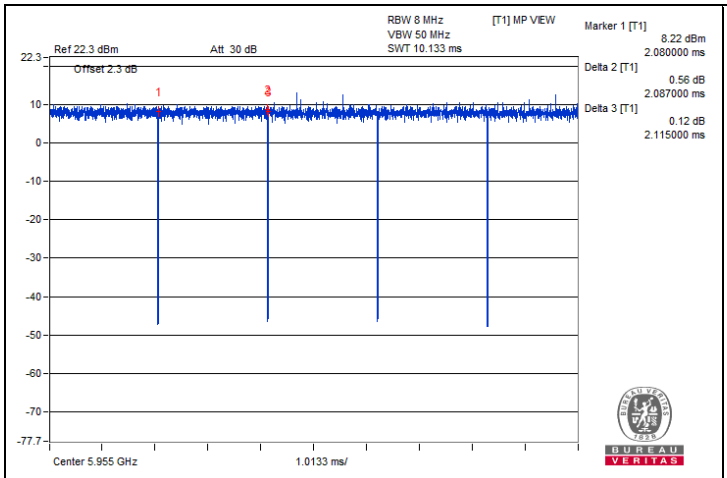
| Test Item | EUT Configure Mode | Mode | Signal Mode | Tx Ant. | Category | Tested Channel | Modulation | Data Rate Parameter |
|---|---|---|---|---|---|---|---|---|
| Unwanted Emissions above 1 GHz | A, B | 802.11a | Nss1 | 1Tx / 2Tx | under control of a low-power indoor AP | 2, 1, 45, 93 | BPSK | 6Mb/s |
| | | | | | | 97, 105, 113 | | |
| | | | | | | 117, 149, 181 | | |
| | | | | | | 185, 209, 233 | | |
| | | 802.11ax (HE20) | | | | 2, 1, 45, 93 | BPSK | MCS0 |
| | | | | | | 97, 105, 113 | | |
| | | | | | | 117, 149, 181 | | |
| | | | | | | 185, 209, 233 | | |
| | | 802.11ax (HE40) | Nss1 | 1Tx | | 3, 43, 91 | BPSK | MCS0 |
| | | | | | | 99, 107, 115 | | |
| | | | | | | 123, 155, 179 | | |
| | | | | | | 187, 211, 227 | | |
| | | 802.11ax (HE80) | | | | 7, 39, 87 | BPSK | MCS0 |
| | | | | | | 103 | | |
| | | | | | | 119, 151, 183 | | |
| | | | | | | 199, 215 | | |
| | | 802.11ax (HE160) | | | | 15, 47, 79 | BPSK | MCS0 |
| | | | | | | 111 | | |
| | | | | | | 143, 175 | | |
| | | | | | | 207 | | |
| | | 802.11be (EHT20) | Nss1 | 1Tx / 2Tx | | 2, 1, 45, 93 | BPSK | MCS0 |
| | | | | | | 97, 105, 113 | | |
| | | | | | | 117, 149, 181 | | |
| | | | | | | 185, 209, 233 | | |
| | | 802.11be (EHT40) | Nss1 | 1Tx | | 3, 43, 91 | BPSK | MCS0 |
| | | | | | | 99, 107, 115 | | |
| | | | | | | 123, 155, 179 | | |
| | | | | | | 187, 211, 227 | | |
| | | 802.11be (EHT80) | | | | 7, 39, 87 | BPSK | MCS0 |
| | | | | | | 103 | | |
| | | | | | | 119, 151, 183 | | |
| | | | | | | 199, 215 | | |
| | | 802.11be (EHT160) | | | | 15, 47, 79 | BPSK | MCS0 |
| | | | | | | 111 | | |
| | | | | | | 143, 175 | | |
| | | | | | | 207 | | |
| | | 802.11be (EHT320) | | | | 31, 63 | BPSK | MCS0 |
| | | | | | | 95 | | |
| | | | | | | 127, 159 | | |
| | | | | | | 191 | | |

| EUT Configure Mode: | | |
|---|---|---|
| | A | EUT only (remove 50 ohm terminator and Connect to the appropriate equipment)_Nss1 |
| | B | EUT with 50 ohm terminator |
| | C | EUT only (remove 50 ohm terminator and Connect to the appropriate equipment)_Nss2 |
| | D | EUT with antenna |

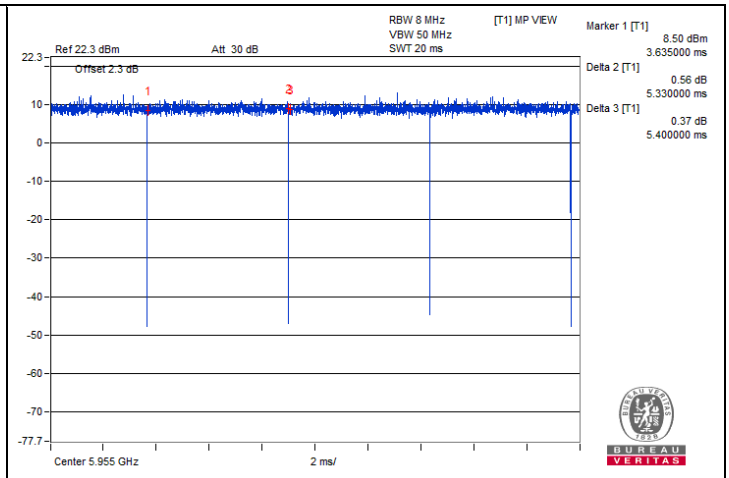
### 3.5 Duty Cycle of Test Signal

**Mode A 1Tx**

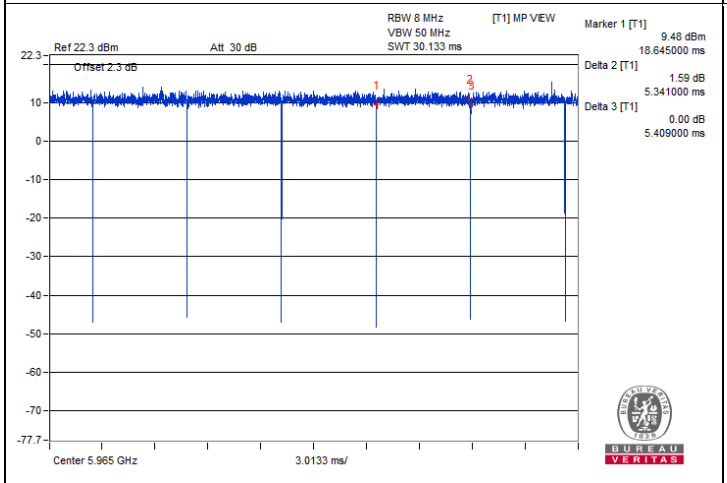
**802.11a:** Duty cycle = 2.087 ms / 2.115 ms x 100% = 98.7%
**802.11ax (HE20):** Duty cycle = 5.33 ms / 5.4 ms x 100% = 98.7%
**802.11ax (HE40):** Duty cycle = 5.341 ms / 5.409 ms x 100% = 98.7%
**802.11ax (HE80):** Duty cycle = 5.245 ms / 5.29 ms x 100% = 99.1%
**802.11ax (HE160):** Duty cycle = 4.369 ms / 4.429 ms x 100% = 98.6%
**802.11be (EHT20):** Duty cycle = 5.325 ms / 5.355 ms x 100% = 99.4%
**802.11be (EHT40):** Duty cycle = 5.349 ms / 5.455 ms x 100% = 98.1%
**802.11be (EHT80):** Duty cycle = 5.243 ms / 5.311 ms x 100% = 98.7%
**802.11be (EHT160):** Duty cycle = 4.395 ms / 4.475 ms x 100% = 98.2%
**802.11be (EHT320):** Duty cycle = 0.86 ms / 0.888 ms x 100% = 96.8%, duty factor = 10 * log (1/Duty cycle) = 0.14 dB



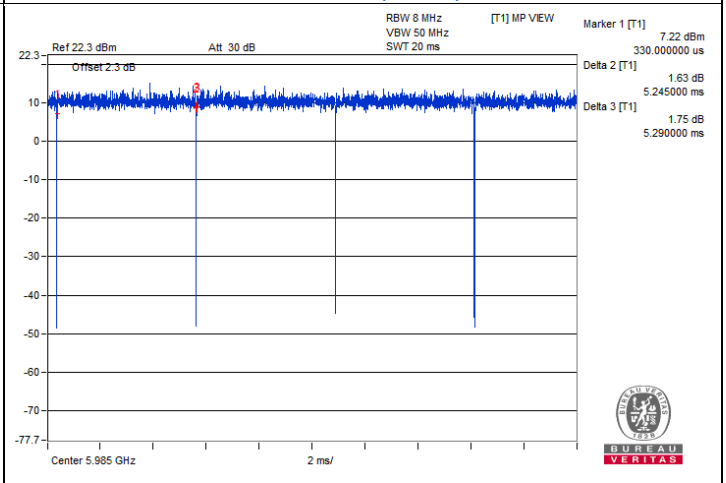

802.11a



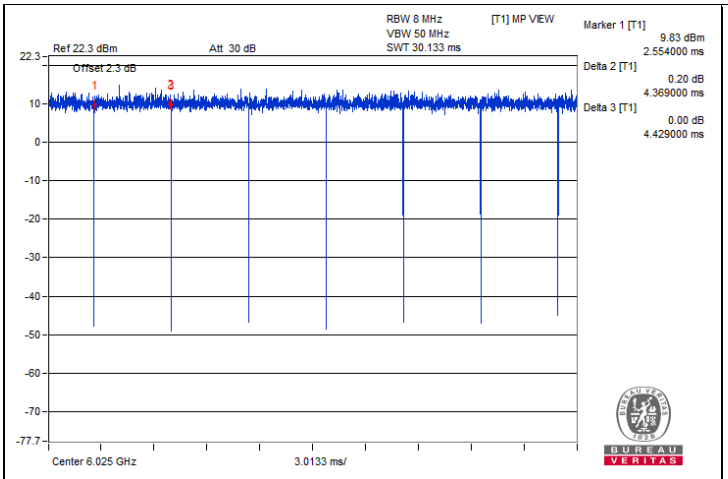

802.11ax (HE20)



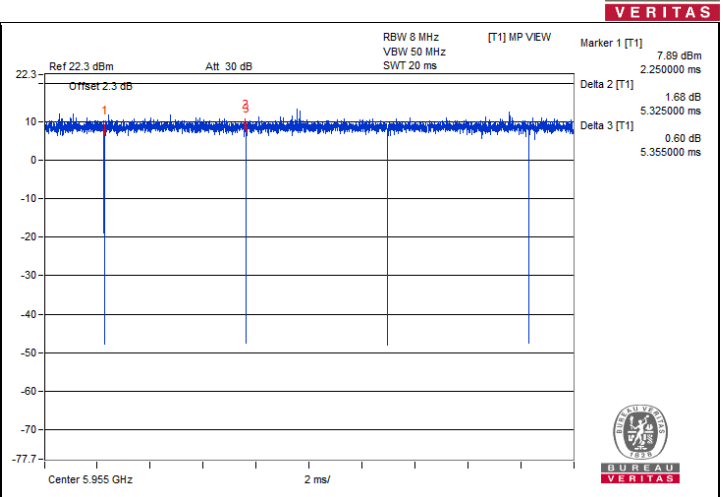

802.11ax (HE40)



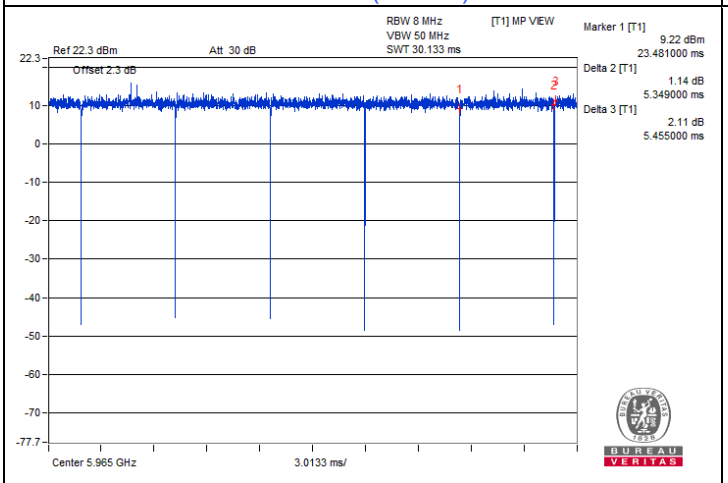

802.11ax (HE80)



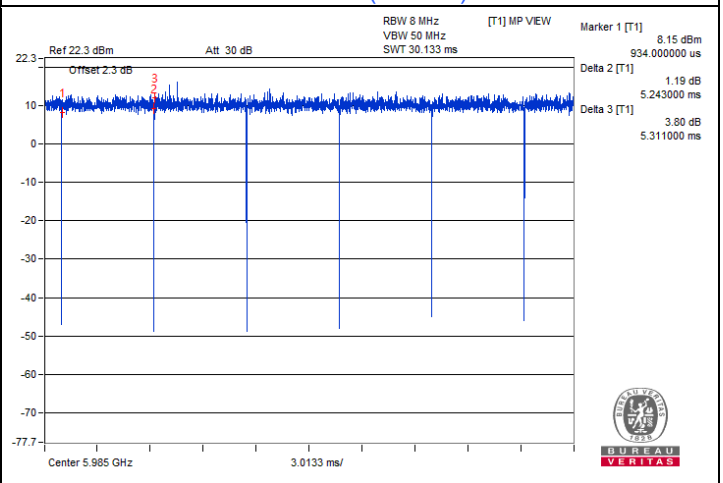

802.11ax (HE160)



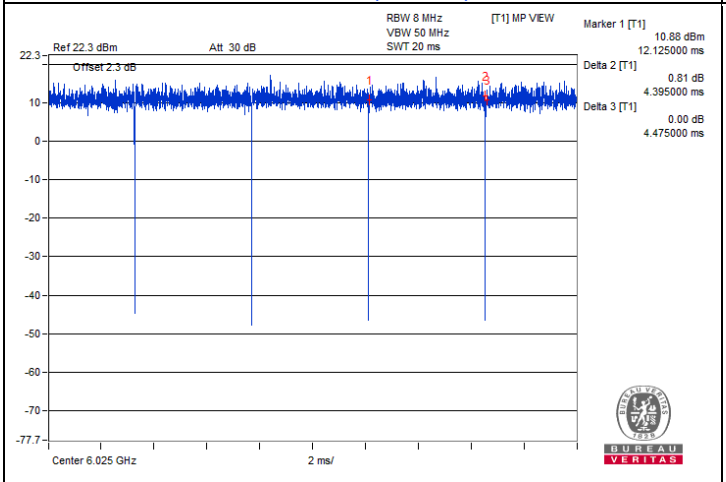

802.11be (EHT20)



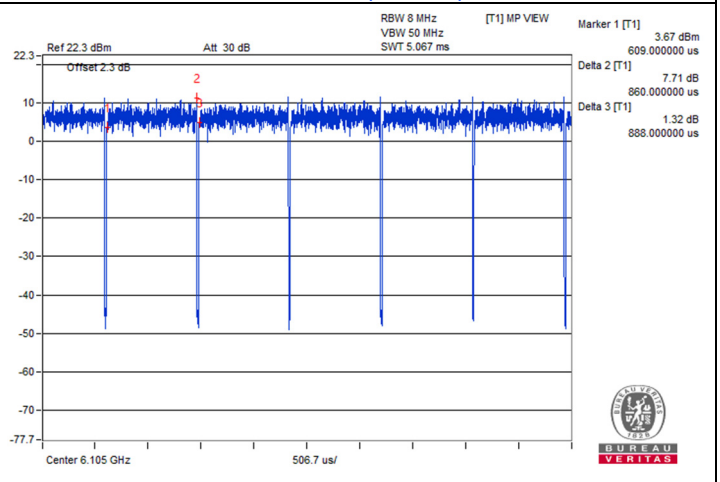

802.11be (EHT40)




802.11be (EHT80)



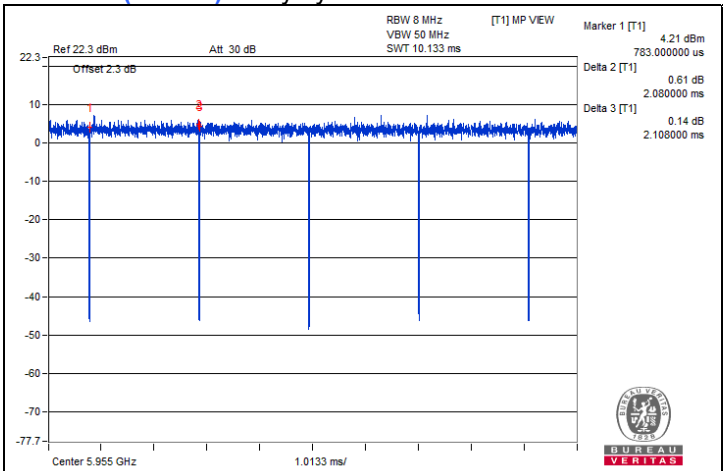

802.11be (EHT160)



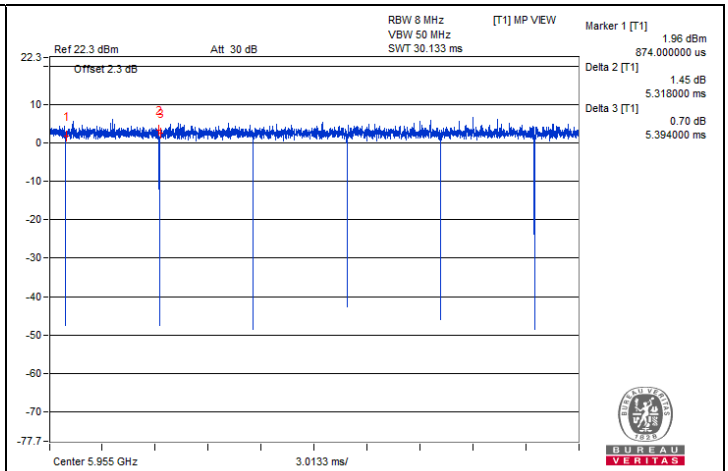

802.11be (EHT320)

## Mode A 2Tx

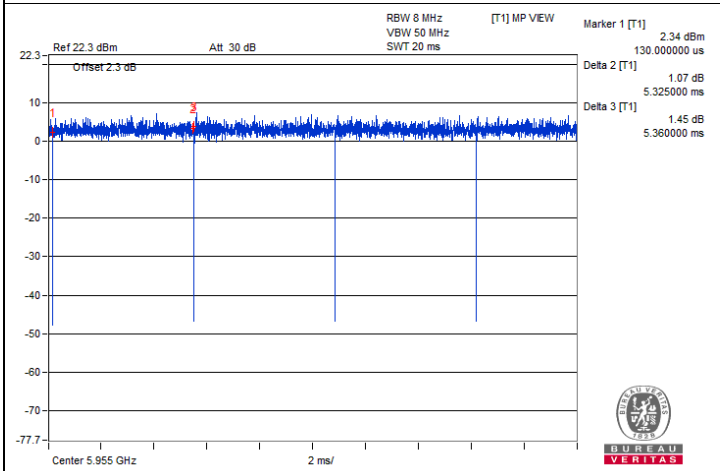
**802.11a :** Duty cycle = 2.08 ms / 2.108 ms x 100% = 98.7%
**802.11ax (HE20) :** Duty cycle = 5.318 ms / 5.394 ms x 100% = 98.6%
**802.11be (EHT20):** Duty cycle = 5.325 ms / 5.36 ms x 100% = 99.3%




802.11a



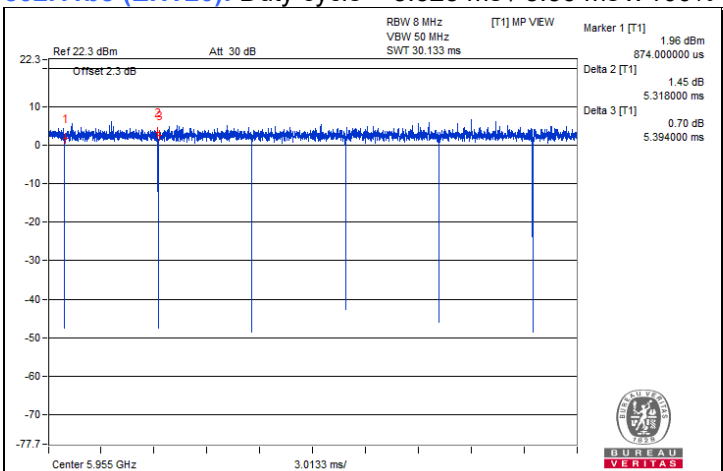

802.11ax (HE20)



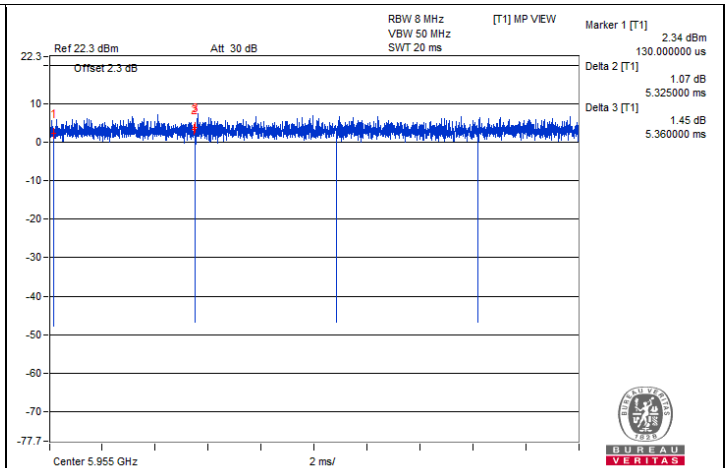

802.11be (EHT20)

## Mode C 2Tx

**802.11ax (HE20):** Duty cycle = 5.318 ms / 5.394 ms x 100% = 98.6%
**802.11be (EHT20):** Duty cycle = 5.325 ms / 5.36 ms x 100% = 99.3%




802.11ax (HE20)



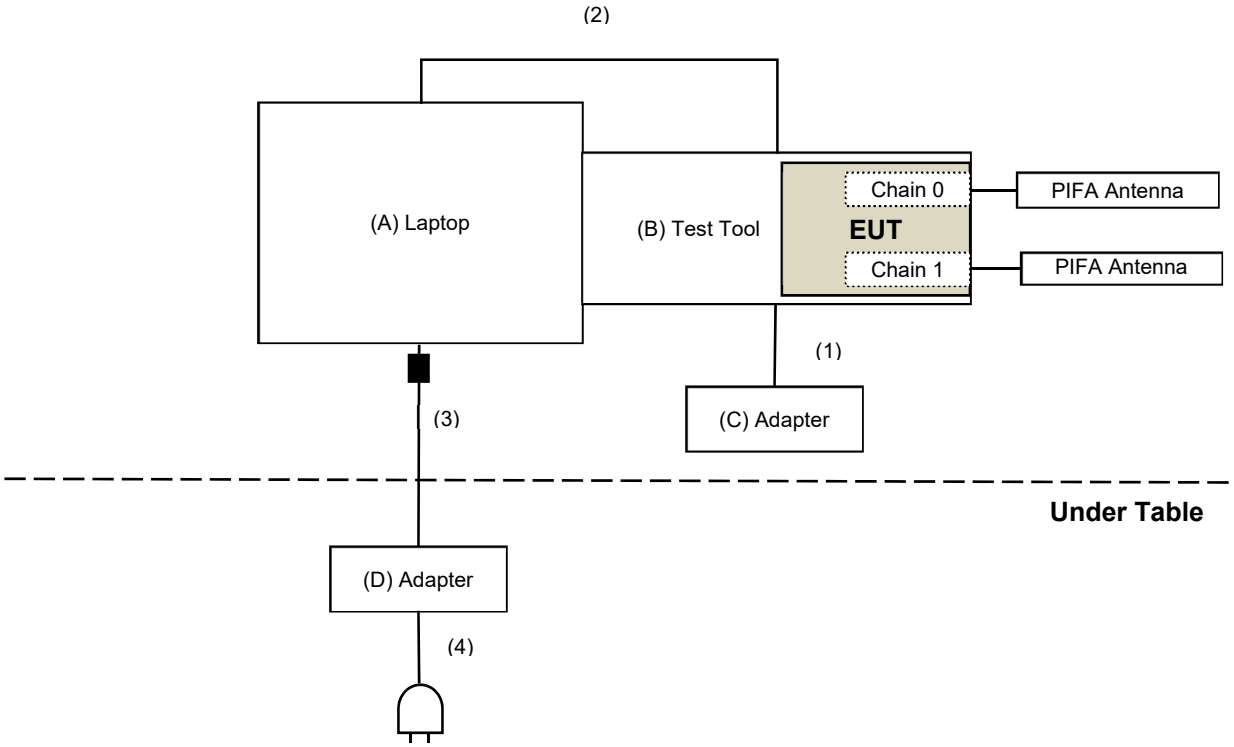

802.11be (EHT20)

### 3.6 Test Program Used and Operation Descriptions

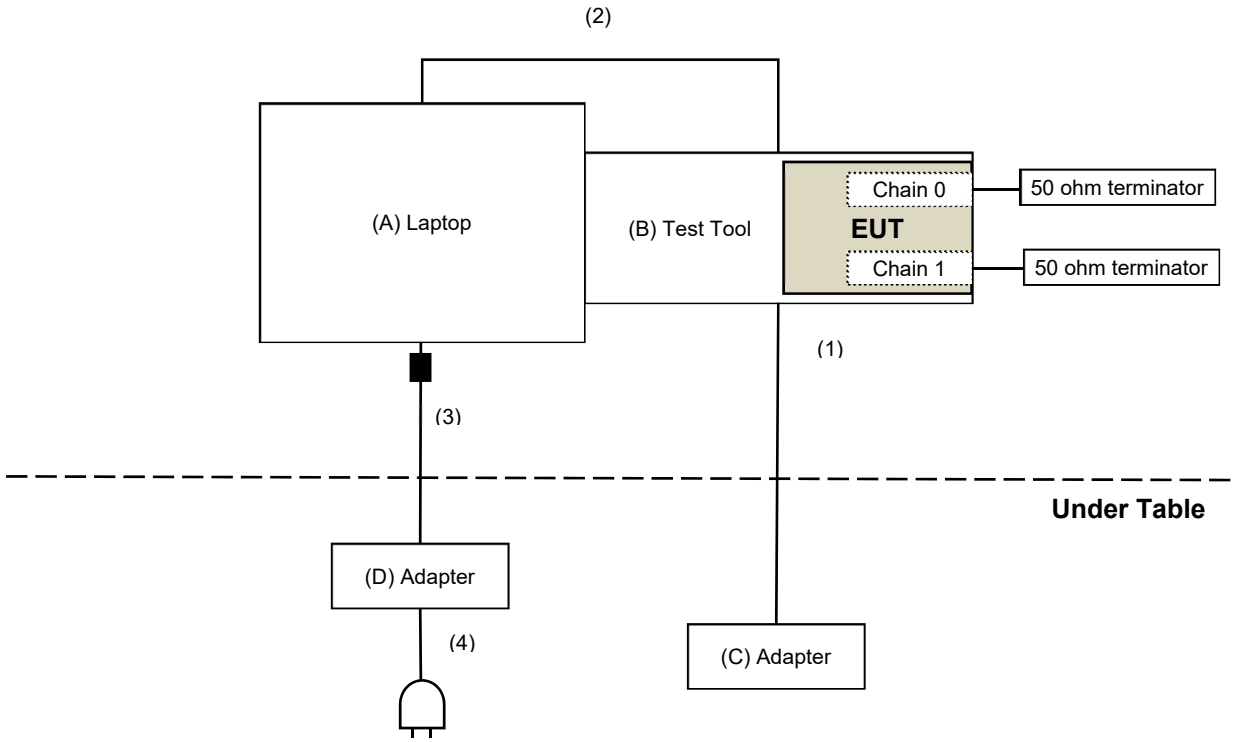
Controlling software (QRCT 4.0.00081.1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

### 3.7 Connection Diagram of EUT and Peripheral Devices

**For AC Power Conducted Emission test**



**For Unwanted Emission test**




### 3.8 Configuration of Peripheral Devices and Cable Connections

| ID | Product | Brand | Model No. | Serial No. | FCC ID | Remarks |
|---|---|---|---|---|---|---|
| A | Laptop | Dell | E5420 | 6FGHKV1 | N/A | Provided by Lab |
| B | Test Tool | Qualcomm | N/A | N/A | N/A | Supplied by applicant |
| C | Adapter | PHIHONG | PSAA12A-120L6 | N/A | N/A | Supplied by applicant |
| D | Adapter | Dell | LLA65NS2-01 | N/A | N/A | Provided by Lab |

| ID | Cable Descriptions | Qty. | Length (m) | Shielding (Yes/No) | Cores (Qty.) | Remarks |
|---|---|---|---|---|---|---|
| 1 | DC Cable | 1 | 1.2 | No | 0 | Supplied by applicant |
| 2 | Micro USB Cable | 1 | 0.6 | Yes | 0 | Provided by Lab |
| 3 | DC Cable | 1 | 1.8 | No | 1 | Provided by Lab |
| 4 | AC Cable | 1 | 1.5 | No | 0 | Provided by Lab |

# 4 Test Instruments

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

## 4.1 Maximum RF Output Power

| Description<br>Manufacturer | Model No. | Serial No. | Calibrated Date | Calibrated Until |
|---|---|---|---|---|
| Pulse Power Sensor<br>Anritsu | MA2411B | 1726434 | 2023/6/19 | 2024/6/18 |
| RF Power Meter<br>Anritsu | ML2495A | 1529002 | 2023/6/17 | 2024/6/16 |

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/5/5 ~ 2024/5/13

## 4.2 Maximum Power Spectral Density

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

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/5/5 ~ 2024/5/6

## 4.3 Emission Bandwidth

Refer to section 4.2 to get information of the instruments.

## 4.4 In-Band Emission Mask

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

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/5/5 ~ 2024/5/13

## 4.5 Occupied Bandwidth

Refer to section 4.2 to get information of the instruments.

### 4.6 Frequency Stability

| Description<br>Manufacturer | Model No. | Serial No. | Calibrated Date | Calibrated Until |
|---|---|---|---|---|
| DC Power Supply<br>Topward | 6603D | 795558 | N/A | N/A |
| MXA Signal Analyzer<br>Keysight | N9020B | MY60112409 | 2024/2/20 | 2025/2/19 |
| Software | ADT_RF Test Software V7.6.5.4 | N/A | N/A | N/A |
| Temperature & Humidity Chamber<br>Giant Force | GTH-150-40-SP-AR | MAA0812-008 | 2023/12/20 | 2024/12/19 |
| True RMS Clamp Meter<br>FLUKE | 325 | 31130711WS | 2023/6/8 | 2024/6/7 |

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/5/6

### 4.7 AC Power Conducted Emissions

| Description<br>Manufacturer | Model No. | Serial No. | Calibrated Date | Calibrated Until |
|---|---|---|---|---|
| 50 ohm terminal resistance<br>Telegartner | 50 ohm | 3 | 2023/10/20 | 2024/10/19 |
| EMI Test Receiver<br>R&S | ESCS 30 | 847124/029 | 2023/10/18 | 2024/10/17 |
| Fixed Attenuator<br>STI | STI02-2200-10 | 005 | 2024/2/19 | 2025/2/18 |
| LISN<br>R&S | ESH3-Z5 | 835239/001 | 2024/4/3 | 2025/4/2 |
| | | 848773/004 | 2023/10/13 | 2024/10/12 |
| RF Coaxial Cable<br>JYEBAO | 5D-FB | COCCAB-001 | 2024/2/19 | 2025/2/18 |
| Software<br>BVADT | BVADT_Cond_V7.3.7.4 | N/A | N/A | N/A |

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2024/4/18

## 4.8 Unwanted Emissions below 1 GHz

### Mode A

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

Notes:
1. The test was performed in Oven room 2.
2. Tested Date: 2024/4/15

### Mode B

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

Notes:
1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2024/4/22

## 4.9 Unwanted Emissions above 1 GHz

### Mode A

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

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/4/10 ~ 2024/5/5

### Mode B

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

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2024/4/22

# 5 Limits of Test Items

## 5.1 Maximum RF Output Power

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

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

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

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

## 5.2 Maximum Power Spectral Density

| Operation Band | Equipment Class | Limit |
|---|---|---|
| | | Maximum Power Density |
| U-NII-5<br>U-NII-6<br>U-NII-7<br>U-NII-8 | 6CD: 15E 6 GHz Dual client<br>(under control of a low-power indoor access point) | EIRP -1 dBm/MHz |

## 5.3 Emission Bandwidth

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 MHz.

## 5.4 In-Band Emission Mask

| Test Item | Frequencies (MHz) | (X) dBc*1 |
|---|---|---|
| Emission Mask | At 1 MHz outside of channel edge | 20 |
| | At one channel bandwidth from the channel center*2 | 28 |
| | At one- and one-half times the channel bandwidth away from channel center*3 | 40 |
| | More than one- and one-half times the channel bandwidth | 40 |

*1 : The power spectral density must be suppressed by “x” dB

*2 : At frequencies between one megahertz outside an unlicensed device’s channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression,

*3 : At frequencies between one and one- and one-half times an unlicensed device’s channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression.

## 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

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

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

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

# 6 Test Arrangements

## 6.1 Maximum RF Output Power

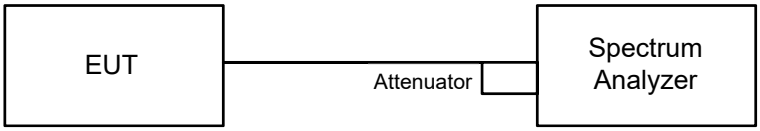
6.1.1 Test Setup


6.1.2 Test Procedure

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

## 6.2 Maximum Power Spectral Density

6.2.1 Test Setup




6.2.2 Test Procedure

**For specified measurement bandwidth 1 MHz:**
Method SA-1

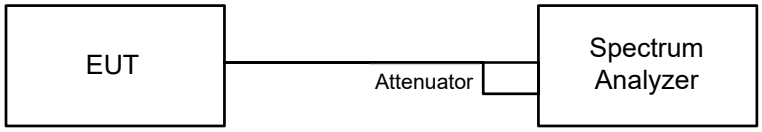
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger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

**For specified measurement bandwidth 1 MHz:**
Method SA-2

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

## 6.3 Emission Bandwidth

6.3.1 Test Setup

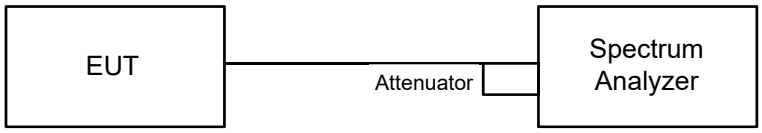



6.3.2 Test Procedure

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

## 6.4 In-Band Emission Mask

6.4.1 Test Setup

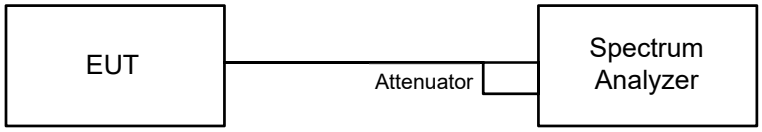



6.4.2 Test Procedure

a. Connect output of the antenna port to a spectrum analyzer and adjust appropriate attenuation.
b. Measure the 26 dB EBW using the test procedure 12.4.1 of ANSI C63.10-2013. (Determine the channel edge.)
c. Measure the power spectral density (for emissions mask reference) using the following procedure:
a) Set the span to encompass the entire 26 dB EBW of the signal.
b) Set RBW = same RBW used for 26 dB EBW measurement.
c) Set VBW ≥ [3 X RBW].
d) Number of points in sweep ≥ [2 X span / RBW].
e) Sweep time = auto.
f) Detector = RMS (i.e., power averaging).
g) Trace average at least 100 traces in power averaging (rms) mode.
h) Use the peak search function on the instrument to find the peak of the spectrum.
d. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
a) Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
b) Suppressed by 28 dB at one channel bandwidth from the channel center.
c) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
e. Adjust the span to encompass the entire mask as necessary and clear trace.
f. Trace average at least 100 traces in power averaging (rms) mode.
g. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask

## 6.5 Occupied Bandwidth

6.5.1 Test Setup

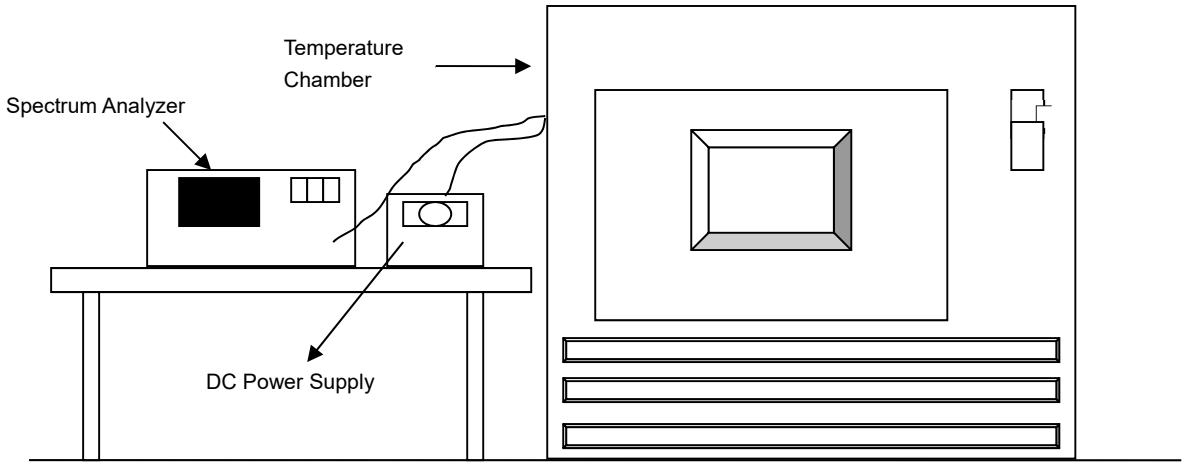



6.5.2 Test Procedure

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

## 6.6 Frequency Stability

6.6.1 Test Setup

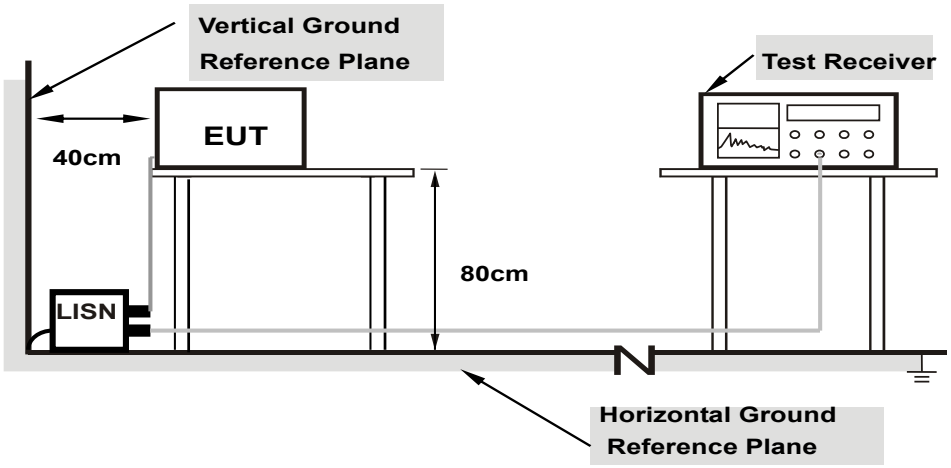



6.6.2 Test Procedure

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

## 6.7 AC Power Conducted Emissions

6.7.1 Test Setup




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

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

6.7.2 Test Procedure

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

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

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

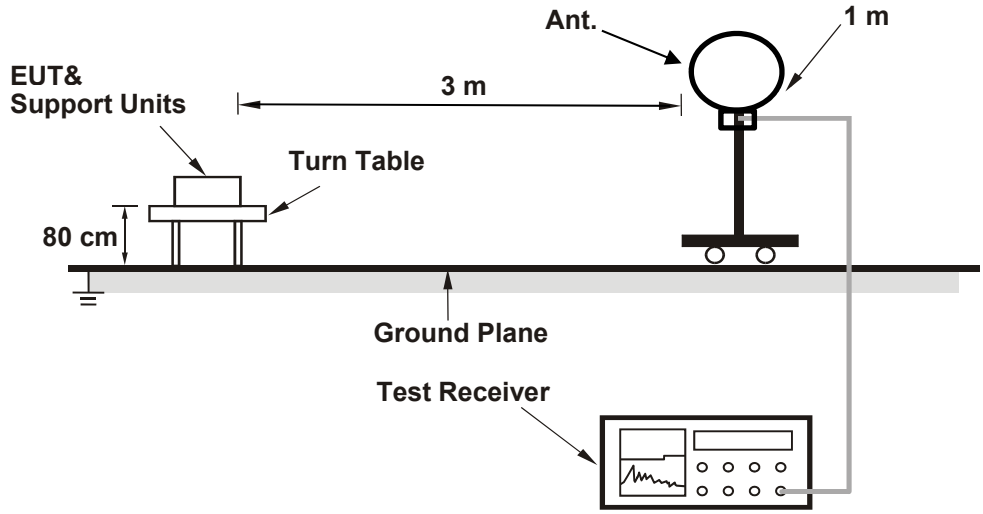
Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

## 6.8 Unwanted Emissions below 1 GHz

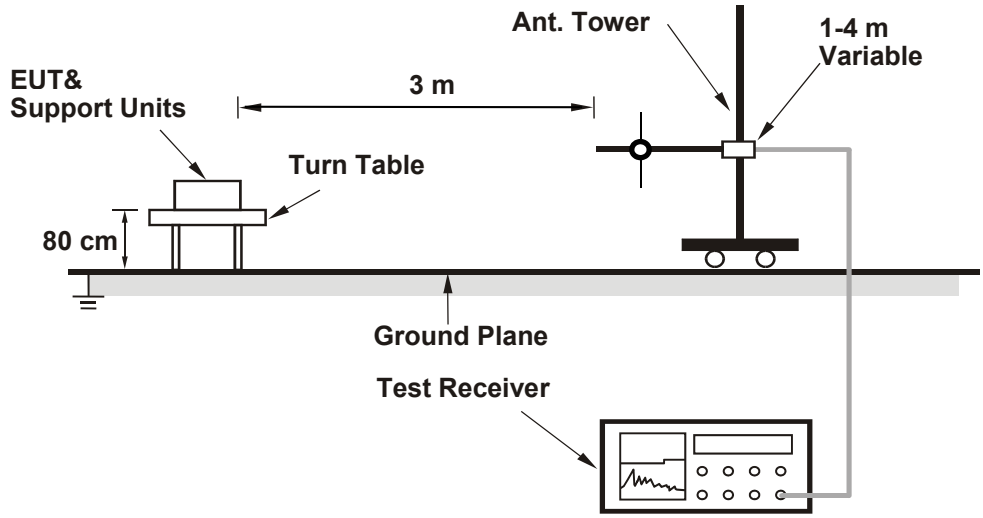
6.8.1 Test Setup

**For Radiated Configuration:**

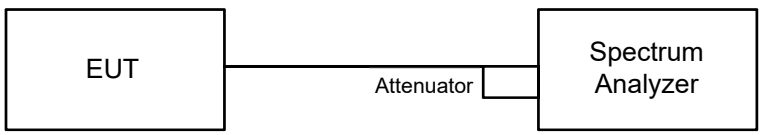
**For Radiated emission below 30 MHz**




**For Radiated emission above 30 MHz**




**For Conducted Configuration:**




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

6.8.2 Test Procedure

Radiated versus Conducted Measurement.
The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.
The following steps was performed:

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

**For Radiated emission below 30 MHz**

e-1.1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

e-1.2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

e-1.3. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.

e-1.4. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e-1.5. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency (150 kHz to 30 MHz).
3. All modes of operation were investigated and the worst-case emissions are reported.

**For Radiated emission above 30 MHz**

e-2.1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

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

e-2.3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e-2.4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e-2.5. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

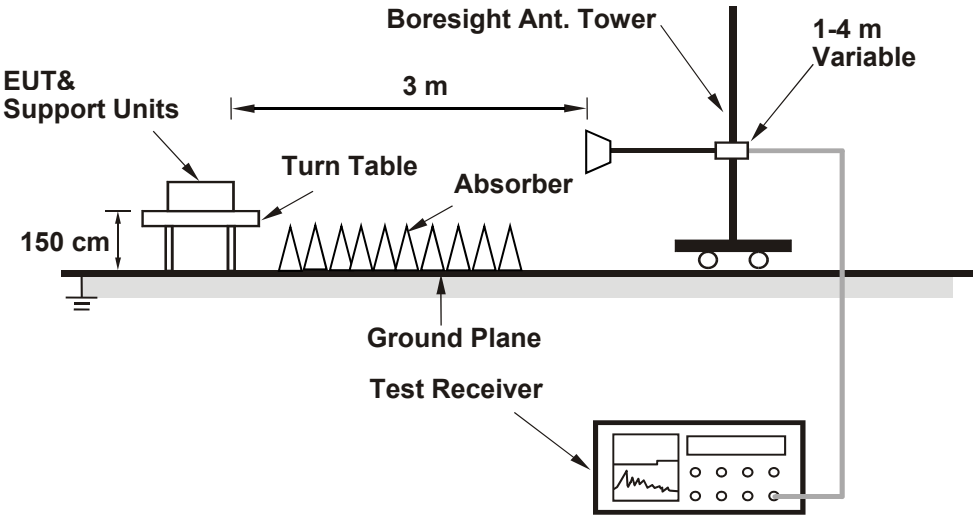
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

| Radiated versus Conducted Measurement |
|---|
| For Radiated measurement:<br>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).<br>For Conducted measurement:<br>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<br>d = measurement distance in 3 meters.<br>b. EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB)<br>c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal<br>For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands.<br>For the band edge the gain for the specific band may have been used.<br>Notes:<br>1. In restricted bands below 1000 MHz, add upper bound on ground plane reflection:<br>For frequencies between 30 MHz and 1000 MHz, add 4.7 dB.<br>2. The conducted emission test was considered some factor to compute test result. |

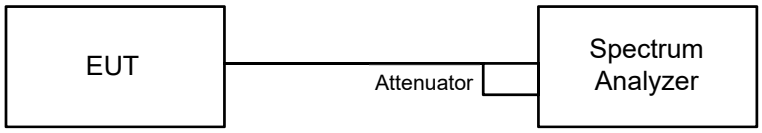
## 6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup

**For Radiated Configuration:**




**For Conducted Configuration:**




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

6.9.2 Test Procedure

Radiated versus Conducted Measurement.
The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.
The following steps was performed:

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

e-1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

e-2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

e-3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e-4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e-5. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Notes:

1. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) and Average detection (AV) at frequency above 1 GHz.
2. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10 Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1 GHz.
3. All modes of operation were investigated and the worst-case emissions are reported.

| **Radiated versus Conducted Measurement** |
|---|
| For Radiated measurement:<br>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).<br>For Conducted measurement:<br>The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).<br>For Verified radiated measurement:<br>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<br>d = measurement distance in 3 meters.<br>b. EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB).<br>c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal<br>For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands.<br>For the band edge the gain for the specific band may have been used.<br>Note: The conducted emission test was considered some factor to compute test result. |

# 7 Test Results of Test Item

## 7.1 Maximum RF Output Power

| Input Power: | 3.3 Vdc | Environmental Conditions: | 26°C, 59% RH | Tested By: | Dolly Chung |
|---|---|---|---|---|---|

**Mode A**

**1Tx**

**802.11a**

| Chan. | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Antenna Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| 2 | 5935 | 3.483 | 5.42 | 5.14 | 11.375 | 10.56 | 24 | Pass |
| 1 | 5955 | 3.664 | 5.64 | 5.14 | 11.966 | 10.78 | 24 | Pass |
| 45 | 6175 | 3.388 | 5.30 | 5.14 | 11.065 | 10.44 | 24 | Pass |
| 93 | 6415 | 3.715 | 5.70 | 5.14 | 12.133 | 10.84 | 24 | Pass |
| 97 | 6435 | 3.758 | 5.75 | 5.09 | 12.133 | 10.84 | 24 | Pass |
| 105 | 6475 | 3.802 | 5.80 | 5.09 | 12.275 | 10.89 | 24 | Pass |
| 113 | 6515 | 3.963 | 5.98 | 5.09 | 12.795 | 11.07 | 24 | Pass |
| 117 | 6535 | 3.981 | 6.00 | 5.16 | 13.061 | 11.16 | 24 | Pass |
| 149 | 6695 | 3.733 | 5.72 | 5.16 | 12.248 | 10.88 | 24 | Pass |
| 181 | 6855 | 3.614 | 5.58 | 5.16 | 11.857 | 10.74 | 24 | Pass |
| 185 | 6875 | 3.767 | 5.76 | 5.16 | 12.359 | 10.92 | 24 | Pass |
| 209 | 6995 | 3.917 | 5.93 | 5.12 | 12.734 | 11.05 | 24 | Pass |
| 233 | 7115 | 3.548 | 5.50 | 5.12 | 11.534 | 10.62 | 24 | Pass |

Notes:

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

### 802.11ax (HE20)

| Chan. | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Antenna Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| 2 | 5935 | 0.3648 | -4.38 | 5.14 | 1.191 | 0.76 | 24 | Pass |
| 1 | 5955 | 4.365 | 6.40 | 5.14 | 14.256 | 11.54 | 24 | Pass |
| 45 | 6175 | 4.446 | 6.48 | 5.14 | 14.52 | 11.62 | 24 | Pass |
| 93 | 6415 | 4.285 | 6.32 | 5.14 | 13.994 | 11.46 | 24 | Pass |
| 97 | 6435 | 4.365 | 6.40 | 5.09 | 14.092 | 11.49 | 24 | Pass |
| 105 | 6475 | 4.467 | 6.50 | 5.09 | 14.422 | 11.59 | 24 | Pass |
| 113 | 6515 | 4.819 | 6.83 | 5.09 | 15.558 | 11.92 | 24 | Pass |
| 117 | 6535 | 4.236 | 6.27 | 5.16 | 13.898 | 11.43 | 24 | Pass |
| 149 | 6695 | 3.864 | 5.87 | 5.16 | 12.678 | 11.03 | 24 | Pass |
| 181 | 6855 | 4.276 | 6.31 | 5.16 | 14.029 | 11.47 | 24 | Pass |
| 185 | 6875 | 4.295 | 6.33 | 5.16 | 14.092 | 11.49 | 24 | Pass |
| 209 | 6995 | 4.55 | 6.58 | 5.12 | 14.791 | 11.7 | 24 | Pass |
| 233 | 7115 | 0.2884 | -5.40 | 5.12 | 0.9376 | -0.28 | 24 | Pass |

Notes:

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

### 802.11ax (HE40)

| Chan. | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Antenna Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| 3 | 5965 | 9.247 | 9.66 | 5.14 | 30.2 | 14.8 | 24 | Pass |
| 43 | 6165 | 8.61 | 9.35 | 5.14 | 28.119 | 14.49 | 24 | Pass |
| 91 | 6405 | 7.691 | 8.86 | 5.14 | 25.118 | 14 | 24 | Pass |
| 99 | 6445 | 7.762 | 8.90 | 5.09 | 25.06 | 13.99 | 24 | Pass |
| 107 | 6485 | 8.71 | 9.40 | 5.09 | 28.12 | 14.49 | 24 | Pass |
| 115 | 6525 | 8.318 | 9.20 | 5.16 | 27.291 | 14.36 | 24 | Pass |
| 123 | 6565 | 8.511 | 9.30 | 5.16 | 27.924 | 14.46 | 24 | Pass |
| 155 | 6725 | 7.586 | 8.80 | 5.16 | 24.889 | 13.96 | 24 | Pass |
| 179 | 6845 | 7.78 | 8.91 | 5.16 | 25.526 | 14.07 | 24 | Pass |
| 187 | 6885 | 8.61 | 9.35 | 5.12 | 27.99 | 14.47 | 24 | Pass |
| 211 | 7005 | 8.77 | 9.43 | 5.12 | 28.51 | 14.55 | 24 | Pass |
| 227 | 7085 | 8.872 | 9.48 | 5.12 | 28.842 | 14.6 | 24 | Pass |

Notes:

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

### 802.11ax (HE80)

| Chan. | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Antenna Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| 7 | 5985 | 16.982 | 12.30 | 5.14 | 55.461 | 17.44 | 24 | Pass |
| 39 | 6145 | 15.885 | 12.01 | 5.14 | 51.878 | 17.15 | 24 | Pass |
| 87 | 6385 | 13.646 | 11.35 | 5.14 | 44.566 | 16.49 | 24 | Pass |
| 103 | 6465 | 16.982 | 12.30 | 5.09 | 54.826 | 17.39 | 24 | Pass |
| 119 | 6545 | 15.136 | 11.80 | 5.16 | 49.661 | 16.96 | 24 | Pass |
| 151 | 6705 | 14.191 | 11.52 | 5.16 | 46.56 | 16.68 | 24 | Pass |
| 183 | 6865 | 13.996 | 11.46 | 5.16 | 45.92 | 16.62 | 24 | Pass |
| 199 | 6945 | 14.454 | 11.60 | 5.12 | 46.988 | 16.72 | 24 | Pass |
| 215 | 7025 | 14.322 | 11.56 | 5.12 | 46.559 | 16.68 | 24 | Pass |

Notes:

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

### 802.11ax (HE160)

| Chan. | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Antenna Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| 15 | 6025 | 39.174 | 15.93 | 5.14 | 127.938 | 21.07 | 24 | Pass |
| 47 | 6185 | 35.156 | 15.46 | 5.14 | 114.815 | 20.6 | 24 | Pass |
| 79 | 6345 | 27.669 | 14.42 | 5.14 | 90.364 | 19.56 | 24 | Pass |
| 111 | 6505 | 36.141 | 15.58 | 5.09 | 116.681 | 20.67 | 24 | Pass |
| 143 | 6665 | 34.995 | 15.44 | 5.16 | 114.817 | 20.6 | 24 | Pass |
| 175 | 6825 | 28.84 | 14.60 | 5.16 | 94.623 | 19.76 | 24 | Pass |
| 207 | 6985 | 38.019 | 15.80 | 5.12 | 123.595 | 20.92 | 24 | Pass |

Notes:

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

### 802.11be (EHT20)

| Chan. | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Antenna Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| 2 | 5935 | 0.375 | -4.26 | 5.14 | 1.225 | 0.88 | 24 | Pass |
| 1 | 5955 | 4.335 | 6.37 | 5.14 | 14.158 | 11.51 | 24 | Pass |
| 45 | 6175 | 4.406 | 6.44 | 5.14 | 14.389 | 11.58 | 24 | Pass |
| 93 | 6415 | 4.285 | 6.32 | 5.14 | 13.994 | 11.46 | 24 | Pass |
| 97 | 6435 | 4.266 | 6.30 | 5.09 | 13.773 | 11.39 | 24 | Pass |
| 105 | 6475 | 4.395 | 6.43 | 5.09 | 14.189 | 11.52 | 24 | Pass |
| 113 | 6515 | 4.786 | 6.80 | 5.09 | 15.452 | 11.89 | 24 | Pass |
| 117 | 6535 | 4.121 | 6.15 | 5.16 | 13.521 | 11.31 | 24 | Pass |
| 149 | 6695 | 3.846 | 5.85 | 5.16 | 12.619 | 11.01 | 24 | Pass |
| 181 | 6855 | 4.169 | 6.20 | 5.16 | 13.678 | 11.36 | 24 | Pass |
| 185 | 6875 | 4.305 | 6.34 | 5.16 | 14.125 | 11.5 | 24 | Pass |
| 209 | 6995 | 4.446 | 6.48 | 5.12 | 14.453 | 11.6 | 24 | Pass |
| 233 | 7115 | 0.2951 | -5.30 | 5.12 | 0.9593 | -0.18 | 24 | Pass |

Notes:

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

### 802.11be (EHT40)

| Chan. | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Antenna Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| 3 | 5965 | 8.995 | 9.54 | 5.14 | 29.377 | 14.68 | 24 | Pass |
| 43 | 6165 | 8.318 | 9.20 | 5.14 | 27.166 | 14.34 | 24 | Pass |
| 91 | 6405 | 7.413 | 8.70 | 5.14 | 24.21 | 13.84 | 24 | Pass |
| 99 | 6445 | 7.691 | 8.86 | 5.09 | 24.83 | 13.95 | 24 | Pass |
| 107 | 6485 | 8.375 | 9.23 | 5.09 | 27.039 | 14.32 | 24 | Pass |
| 115 | 6525 | 8.035 | 9.05 | 5.16 | 26.362 | 14.21 | 24 | Pass |
| 123 | 6565 | 8.241 | 9.16 | 5.16 | 27.038 | 14.32 | 24 | Pass |
| 155 | 6725 | 7.482 | 8.74 | 5.16 | 24.548 | 13.9 | 24 | Pass |
| 179 | 6845 | 7.638 | 8.83 | 5.16 | 25.06 | 13.99 | 24 | Pass |
| 187 | 6885 | 8.318 | 9.20 | 5.12 | 27.041 | 14.32 | 24 | Pass |
| 211 | 7005 | 8.67 | 9.38 | 5.12 | 28.185 | 14.5 | 24 | Pass |
| 227 | 7085 | 8.63 | 9.36 | 5.12 | 28.055 | 14.48 | 24 | Pass |

Notes:

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

### 802.11be (EHT80)

| Chan. | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Antenna Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| 7 | 5985 | 15.776 | 11.98 | 5.14 | 51.522 | 17.12 | 24 | Pass |
| 39 | 6145 | 14.928 | 11.74 | 5.14 | 48.753 | 16.88 | 24 | Pass |
| 87 | 6385 | 12.735 | 11.05 | 5.14 | 41.591 | 16.19 | 24 | Pass |
| 103 | 6465 | 15.668 | 11.95 | 5.09 | 50.584 | 17.04 | 24 | Pass |
| 119 | 6545 | 14.894 | 11.73 | 5.16 | 48.867 | 16.89 | 24 | Pass |
| 151 | 6705 | 13.183 | 11.20 | 5.16 | 43.253 | 16.36 | 24 | Pass |
| 183 | 6865 | 13.183 | 11.20 | 5.16 | 43.253 | 16.36 | 24 | Pass |
| 199 | 6945 | 13.996 | 11.46 | 5.12 | 45.499 | 16.58 | 24 | Pass |
| 215 | 7025 | 13.428 | 11.28 | 5.12 | 43.653 | 16.4 | 24 | Pass |

Notes:

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

### 802.11be (EHT160)

| Chan. | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Antenna Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| 15 | 6025 | 38.459 | 15.85 | 5.14 | 125.602 | 20.99 | 24 | Pass |
| 47 | 6185 | 33.884 | 15.30 | 5.14 | 110.661 | 20.44 | 24 | Pass |
| 79 | 6345 | 26.792 | 14.28 | 5.14 | 87.499 | 19.42 | 24 | Pass |
| 111 | 6505 | 35.892 | 15.55 | 5.09 | 115.877 | 20.64 | 24 | Pass |
| 143 | 6665 | 34.198 | 15.34 | 5.16 | 112.202 | 20.5 | 24 | Pass |
| 175 | 6825 | 28.642 | 14.57 | 5.16 | 93.973 | 19.73 | 24 | Pass |
| 207 | 6985 | 35.481 | 15.50 | 5.12 | 115.344 | 20.62 | 24 | Pass |

Notes:

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

### 802.11be (EHT320)

| Chan. | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Antenna Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| 31 | 6105 | 44.668 | 16.50 | 5.14 | 145.88 | 21.64 | 24 | Pass |
| 63 | 6265 | 38.459 | 15.85 | 5.14 | 125.602 | 20.99 | 24 | Pass |
| 95 | 6425 | 41.879 | 16.22 | 5.14 | 136.772 | 21.36 | 24 | Pass |
| 127 | 6585 | 45.604 | 16.59 | 5.16 | 149.625 | 21.75 | 24 | Pass |
| 159 | 6745 | 38.019 | 15.80 | 5.16 | 124.739 | 20.96 | 24 | Pass |
| 191 | 6905 | 40.738 | 16.10 | 5.12 | 132.434 | 21.22 | 24 | Pass |

Notes:

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

## 2Tx

### 802.11a

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | Total Power (mW) | Total Power (dBm) | Maximum Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | | | | |
| 2 | 5935 | -0.66 | -0.24 | 1.8053 | 2.57 | 5.14 | 5.896 | 7.71 | 24 | Pass |
| 1 | 5955 | -0.37 | -0.10 | 1.8956 | 2.78 | 5.14 | 6.191 | 7.92 | 24 | Pass |
| 45 | 6175 | -0.52 | 0.10 | 1.9104 | 2.81 | 5.14 | 6.239 | 7.95 | 24 | Pass |
| 93 | 6415 | -0.48 | -0.36 | 1.8158 | 2.59 | 5.14 | 5.93 | 7.73 | 24 | Pass |
| 97 | 6435 | -0.20 | 0.15 | 1.9901 | 2.99 | 5.09 | 6.425 | 8.08 | 24 | Pass |
| 105 | 6475 | -0.10 | 0.27 | 2.0414 | 3.10 | 5.09 | 6.591 | 8.19 | 24 | Pass |
| 113 | 6515 | -0.40 | -0.32 | 1.841 | 2.65 | 5.09 | 5.944 | 7.74 | 24 | Pass |
| 117 | 6535 | -0.10 | -0.12 | 1.95 | 2.90 | 5.16 | 6.398 | 8.06 | 24 | Pass |
| 149 | 6695 | -0.65 | -0.06 | 1.8473 | 2.67 | 5.16 | 6.061 | 7.83 | 24 | Pass |
| 181 | 6855 | -0.59 | 0.09 | 1.8939 | 2.77 | 5.16 | 6.214 | 7.93 | 24 | Pass |
| 185 | 6875 | -0.62 | 0.15 | 1.9021 | 2.79 | 5.16 | 6.241 | 7.95 | 24 | Pass |
| 209 | 6995 | -0.35 | 0.28 | 1.9892 | 2.99 | 5.12 | 6.467 | 8.11 | 24 | Pass |
| 233 | 7115 | -0.40 | 0.32 | 1.9885 | 2.99 | 5.12 | 6.464 | 8.11 | 24 | Pass |

Notes:

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

### 802.11ax (HE20)

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | Total Power (mW) | Total Power (dBm) | Maximum Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | | | | |
| 2 | 5935 | -10.25 | -9.80 | 0.19912 | -7.01 | 5.14 | 0.6503 | -1.87 | 24 | Pass |
| 1 | 5955 | 0.13 | 0.64 | 2.189 | 3.40 | 5.14 | 7.149 | 8.54 | 24 | Pass |
| 45 | 6175 | -0.23 | 0.19 | 1.9931 | 3.00 | 5.14 | 6.509 | 8.14 | 24 | Pass |
| 93 | 6415 | -0.45 | -0.14 | 1.8698 | 2.72 | 5.14 | 6.107 | 7.86 | 24 | Pass |
| 97 | 6435 | 0.30 | 0.51 | 2.196 | 3.42 | 5.09 | 7.09 | 8.51 | 24 | Pass |
| 105 | 6475 | 0.30 | 0.04 | 2.081 | 3.18 | 5.09 | 6.718 | 8.27 | 24 | Pass |
| 113 | 6515 | 0.22 | 0.30 | 2.123 | 3.27 | 5.09 | 6.854 | 8.36 | 24 | Pass |
| 117 | 6535 | -0.30 | -0.15 | 1.8993 | 2.79 | 5.16 | 6.232 | 7.95 | 24 | Pass |
| 149 | 6695 | -0.14 | 0.53 | 2.0981 | 3.22 | 5.16 | 6.884 | 8.38 | 24 | Pass |
| 181 | 6855 | 0.01 | 0.66 | 2.166 | 3.36 | 5.16 | 7.107 | 8.52 | 24 | Pass |
| 185 | 6875 | -0.15 | 0.63 | 2.1222 | 3.27 | 5.16 | 6.963 | 8.43 | 24 | Pass |
| 209 | 6995 | -0.21 | 0.42 | 2.0543 | 3.13 | 5.12 | 6.678 | 8.25 | 24 | Pass |
| 233 | 7115 | -11.60 | -10.90 | 0.15047 | -8.23 | 5.12 | 0.4892 | -3.11 | 24 | Pass |

Notes:

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

## 802.11be (EHT20)

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | Total Power (mW) | Total Power (dBm) | Maximum Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | | | | |
| 2 | 5935 | -10.02 | -9.40 | 0.21436 | -6.69 | 5.14 | 0.7001 | -1.55 | 24 | Pass |
| 1 | 5955 | 0.37 | 0.59 | 2.234 | 3.49 | 5.14 | 7.296 | 8.63 | 24 | Pass |
| 45 | 6175 | -0.10 | 0.43 | 2.0813 | 3.18 | 5.14 | 6.797 | 8.32 | 24 | Pass |
| 93 | 6415 | -0.32 | 0.35 | 2.0129 | 3.04 | 5.14 | 6.574 | 8.18 | 24 | Pass |
| 97 | 6435 | 0.65 | 0.82 | 2.369 | 3.75 | 5.09 | 7.648 | 8.84 | 24 | Pass |
| 105 | 6475 | 0.23 | 0.43 | 2.158 | 3.34 | 5.09 | 6.967 | 8.43 | 24 | Pass |
| 113 | 6515 | 0.62 | 0.49 | 2.273 | 3.57 | 5.09 | 7.338 | 8.66 | 24 | Pass |
| 117 | 6535 | 0.19 | 0.17 | 2.085 | 3.19 | 5.16 | 6.841 | 8.35 | 24 | Pass |
| 149 | 6695 | 0.30 | 0.70 | 2.246 | 3.51 | 5.16 | 7.369 | 8.67 | 24 | Pass |
| 181 | 6855 | 0.17 | 0.82 | 2.248 | 3.52 | 5.16 | 7.376 | 8.68 | 24 | Pass |
| 185 | 6875 | 0.11 | 0.85 | 2.242 | 3.51 | 5.16 | 7.356 | 8.67 | 24 | Pass |
| 209 | 6995 | 0.12 | 0.70 | 2.203 | 3.43 | 5.12 | 7.162 | 8.55 | 24 | Pass |
| 233 | 7115 | -11.23 | -10.61 | 0.16223 | -7.90 | 5.12 | 0.5274 | -2.78 | 24 | Pass |

Notes:

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

## Mode C

### 802.11ax (HE20)

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | Total Power (mW) | Total Power (dBm) | Maximum Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | | | | |
| 2 | 5935 | -8.01 | -7.80 | 0.3241 | -4.89 | 5.14 | 1.058 | 0.25 | 24 | Pass |
| 1 | 5955 | 2.05 | 2.33 | 3.313 | 5.20 | 5.14 | 10.82 | 10.34 | 24 | Pass |
| 45 | 6175 | 3.66 | 2.74 | 4.202 | 6.23 | 5.14 | 13.723 | 11.37 | 24 | Pass |
| 93 | 6415 | 2.40 | 1.54 | 3.163 | 5.00 | 5.14 | 10.33 | 10.14 | 24 | Pass |
| 97 | 6435 | 2.42 | 1.74 | 3.239 | 5.10 | 5.09 | 10.457 | 10.19 | 24 | Pass |
| 105 | 6475 | 3.08 | 2.69 | 3.89 | 5.90 | 5.09 | 12.559 | 10.99 | 24 | Pass |
| 113 | 6515 | 2.79 | 2.12 | 3.53 | 5.48 | 5.09 | 11.397 | 10.57 | 24 | Pass |
| 117 | 6535 | 2.75 | 2.10 | 3.505 | 5.45 | 5.16 | 11.5 | 10.61 | 24 | Pass |
| 149 | 6695 | 2.46 | 2.25 | 3.441 | 5.37 | 5.16 | 11.29 | 10.53 | 24 | Pass |
| 181 | 6855 | 2.44 | 1.79 | 3.264 | 5.14 | 5.16 | 10.709 | 10.3 | 24 | Pass |
| 185 | 6875 | 2.46 | 1.66 | 3.228 | 5.09 | 5.16 | 10.591 | 10.25 | 24 | Pass |
| 209 | 6995 | 2.46 | 1.87 | 3.3 | 5.19 | 5.12 | 10.728 | 10.31 | 24 | Pass |
| 233 | 7115 | -9.18 | -8.48 | 0.2627 | -5.81 | 5.12 | 0.854 | -0.69 | 24 | Pass |

Notes:

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

## 802.11be (EHT20)

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | Total Power (mW) | Total Power (dBm) | Directional Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | | | | |
| 2 | 5935 | -7.58 | -8.12 | 0.3288 | -4.83 | 5.14 | 1.074 | 0.31 | 24 | Pass |
| 1 | 5955 | 2.40 | 2.02 | 3.33 | 5.22 | 5.14 | 10.875 | 10.36 | 24 | Pass |
| 45 | 6175 | 3.58 | 2.90 | 4.23 | 6.26 | 5.14 | 13.815 | 11.4 | 24 | Pass |
| 93 | 6415 | 2.41 | 1.69 | 3.218 | 5.08 | 5.14 | 10.51 | 10.22 | 24 | Pass |
| 97 | 6435 | 2.41 | 1.80 | 3.255 | 5.13 | 5.09 | 10.509 | 10.22 | 24 | Pass |
| 105 | 6475 | 3.17 | 2.60 | 3.895 | 5.91 | 5.09 | 12.575 | 11 | 24 | Pass |
| 113 | 6515 | 2.80 | 2.16 | 3.55 | 5.50 | 5.09 | 11.461 | 10.59 | 24 | Pass |
| 117 | 6535 | 2.82 | 2.09 | 3.532 | 5.48 | 5.16 | 11.588 | 10.64 | 24 | Pass |
| 149 | 6695 | 2.63 | 2.14 | 3.469 | 5.40 | 5.16 | 11.382 | 10.56 | 24 | Pass |
| 181 | 6855 | 2.48 | 1.79 | 3.28 | 5.16 | 5.16 | 10.762 | 10.32 | 24 | Pass |
| 185 | 6875 | 2.45 | 1.73 | 3.247 | 5.11 | 5.16 | 10.653 | 10.27 | 24 | Pass |
| 209 | 6995 | 2.55 | 1.82 | 3.319 | 5.21 | 5.12 | 10.79 | 10.33 | 24 | Pass |
| 233 | 7115 | -9.24 | -8.36 | 0.265 | -5.77 | 5.12 | 0.8615 | -0.65 | 24 | Pass |

Notes:

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

## 7.2 Maximum Power Spectral Density

| Input Power: | 3.3 Vdc | Environmental Conditions: | 26°C, 59% RH | Tested By: | Dolly Chung |
|---|---|---|---|---|---|

**Mode A**

**1Tx**

**802.11a**

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | Antenna Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|
| 2 | 5935 | -6.36 | 5.14 | -1.22 | -1 | Pass |
| 1 | 5955 | -6.24 | 5.14 | -1.1 | -1 | Pass |
| 45 | 6175 | -6.58 | 5.14 | -1.44 | -1 | Pass |
| 93 | 6415 | -6.41 | 5.14 | -1.27 | -1 | Pass |
| 97 | 6435 | -6.39 | 5.09 | -1.3 | -1 | Pass |
| 105 | 6475 | -6.44 | 5.09 | -1.35 | -1 | Pass |
| 113 | 6515 | -6.12 | 5.09 | -1.03 | -1 | Pass |
| 117 | 6535 | -6.19 | 5.16 | -1.03 | -1 | Pass |
| 149 | 6695 | -6.22 | 5.16 | -1.06 | -1 | Pass |
| 181 | 6855 | -6.48 | 5.16 | -1.32 | -1 | Pass |
| 185 | 6875 | -6.29 | 5.16 | -1.13 | -1 | Pass |
| 209 | 6995 | -6.20 | 5.12 | -1.08 | -1 | Pass |
| 233 | 7115 | -6.50 | 5.12 | -1.38 | -1 | Pass |

Notes:

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

### 802.11ax (HE20)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | Antenna Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|
| 2 | 5935 | -17.21 | 5.14 | -12.07 | -1 | Pass |
| 1 | 5955 | -6.18 | 5.14 | -1.04 | -1 | Pass |
| 45 | 6175 | -6.20 | 5.14 | -1.06 | -1 | Pass |
| 93 | 6415 | -6.48 | 5.14 | -1.34 | -1 | Pass |
| 97 | 6435 | -6.17 | 5.09 | -1.08 | -1 | Pass |
| 105 | 6475 | -6.17 | 5.09 | -1.08 | -1 | Pass |
| 113 | 6515 | -6.22 | 5.09 | -1.13 | -1 | Pass |
| 117 | 6535 | -6.49 | 5.16 | -1.33 | -1 | Pass |
| 149 | 6695 | -6.42 | 5.16 | -1.26 | -1 | Pass |
| 181 | 6855 | -6.30 | 5.16 | -1.14 | -1 | Pass |
| 185 | 6875 | -6.20 | 5.16 | -1.04 | -1 | Pass |
| 209 | 6995 | -6.13 | 5.12 | -1.01 | -1 | Pass |
| 233 | 7115 | -18.60 | 5.12 | -13.48 | -1 | Pass |

Notes:

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

## 802.11ax (HE40)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | Antenna Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|
| 3 | 5965 | -6.61 | 5.14 | -1.47 | -1 | Pass |
| 43 | 6165 | -6.81 | 5.14 | -1.67 | -1 | Pass |
| 91 | 6405 | -7.05 | 5.14 | -1.91 | -1 | Pass |
| 99 | 6445 | -6.96 | 5.09 | -1.87 | -1 | Pass |
| 107 | 6485 | -6.95 | 5.09 | -1.86 | -1 | Pass |
| 115 | 6525 | -6.98 | 5.16 | -1.82 | -1 | Pass |
| 123 | 6565 | -6.51 | 5.16 | -1.35 | -1 | Pass |
| 155 | 6725 | -6.68 | 5.16 | -1.52 | -1 | Pass |
| 179 | 6845 | -6.59 | 5.16 | -1.43 | -1 | Pass |
| 187 | 6885 | -6.64 | 5.12 | -1.52 | -1 | Pass |
| 211 | 7005 | -6.43 | 5.12 | -1.31 | -1 | Pass |
| 227 | 7085 | -6.30 | 5.12 | -1.18 | -1 | Pass |

Notes:

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

## 802.11ax (HE80)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | Antenna Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|
| 7 | 5985 | -6.15 | 5.14 | -1.01 | -1 | Pass |
| 39 | 6145 | -6.28 | 5.14 | -1.14 | -1 | Pass |
| 87 | 6385 | -7.04 | 5.14 | -1.9 | -1 | Pass |
| 103 | 6465 | -6.14 | 5.09 | -1.05 | -1 | Pass |
| 119 | 6545 | -6.47 | 5.16 | -1.31 | -1 | Pass |
| 151 | 6705 | -6.65 | 5.16 | -1.49 | -1 | Pass |
| 183 | 6865 | -6.69 | 5.16 | -1.53 | -1 | Pass |
| 199 | 6945 | -6.55 | 5.12 | -1.43 | -1 | Pass |
| 215 | 7025 | -6.74 | 5.12 | -1.62 | -1 | Pass |

Notes:

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

### 802.11ax (HE160)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | Antenna Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|
| 15 | 6025 | -6.19 | 5.14 | -1.05 | -1 | Pass |
| 47 | 6185 | -6.37 | 5.14 | -1.23 | -1 | Pass |
| 79 | 6345 | -7.64 | 5.14 | -2.5 | -1 | Pass |
| 111 | 6505 | -6.42 | 5.09 | -1.33 | -1 | Pass |
| 143 | 6665 | -6.27 | 5.16 | -1.11 | -1 | Pass |
| 175 | 6825 | -6.94 | 5.16 | -1.78 | -1 | Pass |
| 207 | 6985 | -6.17 | 5.12 | -1.05 | -1 | Pass |

Notes:

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

### 802.11be (EHT20)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | Antenna Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|
| 2 | 5935 | -17.16 | 5.14 | -12.02 | -1 | Pass |
| 1 | 5955 | -6.28 | 5.14 | -1.14 | -1 | Pass |
| 45 | 6175 | -6.22 | 5.14 | -1.08 | -1 | Pass |
| 93 | 6415 | -6.47 | 5.14 | -1.33 | -1 | Pass |
| 97 | 6435 | -6.32 | 5.09 | -1.23 | -1 | Pass |
| 105 | 6475 | -6.33 | 5.09 | -1.24 | -1 | Pass |
| 113 | 6515 | -6.28 | 5.09 | -1.19 | -1 | Pass |
| 117 | 6535 | -6.57 | 5.16 | -1.41 | -1 | Pass |
| 149 | 6695 | -6.49 | 5.16 | -1.33 | -1 | Pass |
| 181 | 6855 | -6.35 | 5.16 | -1.19 | -1 | Pass |
| 185 | 6875 | -6.20 | 5.16 | -1.04 | -1 | Pass |
| 209 | 6995 | -6.19 | 5.12 | -1.07 | -1 | Pass |
| 233 | 7115 | -18.58 | 5.12 | -13.46 | -1 | Pass |

Notes:

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

### 802.11be (EHT40)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | Antenna Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|
| 3 | 5965 | -6.46 | 5.14 | -1.32 | -1 | Pass |
| 43 | 6165 | -6.74 | 5.14 | -1.6 | -1 | Pass |
| 91 | 6405 | -7.27 | 5.14 | -2.13 | -1 | Pass |
| 99 | 6445 | -6.80 | 5.09 | -1.71 | -1 | Pass |
| 107 | 6485 | -6.69 | 5.09 | -1.6 | -1 | Pass |
| 115 | 6525 | -6.76 | 5.16 | -1.6 | -1 | Pass |
| 123 | 6565 | -6.68 | 5.16 | -1.52 | -1 | Pass |
| 155 | 6725 | -6.89 | 5.16 | -1.73 | -1 | Pass |
| 179 | 6845 | -6.85 | 5.16 | -1.69 | -1 | Pass |
| 187 | 6885 | -6.37 | 5.12 | -1.25 | -1 | Pass |
| 211 | 7005 | -6.59 | 5.12 | -1.47 | -1 | Pass |
| 227 | 7085 | -6.58 | 5.12 | -1.46 | -1 | Pass |

Notes:

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

### 802.11be (EHT80)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | Antenna Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|
| 7 | 5985 | -6.47 | 5.14 | -1.33 | -1 | Pass |
| 39 | 6145 | -6.76 | 5.14 | -1.62 | -1 | Pass |
| 87 | 6385 | -7.50 | 5.14 | -2.36 | -1 | Pass |
| 103 | 6465 | -6.55 | 5.09 | -1.46 | -1 | Pass |
| 119 | 6545 | -6.80 | 5.16 | -1.64 | -1 | Pass |
| 151 | 6705 | -6.94 | 5.16 | -1.78 | -1 | Pass |
| 183 | 6865 | -7.06 | 5.16 | -1.9 | -1 | Pass |
| 199 | 6945 | -6.89 | 5.12 | -1.77 | -1 | Pass |
| 215 | 7025 | -7.08 | 5.12 | -1.96 | -1 | Pass |

Notes:

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

### 802.11be (EHT160)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | Antenna Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|
| 15 | 6025 | -6.25 | 5.14 | -1.11 | -1 | Pass |
| 47 | 6185 | -6.28 | 5.14 | -1.14 | -1 | Pass |
| 79 | 6345 | -7.60 | 5.14 | -2.46 | -1 | Pass |
| 111 | 6505 | -6.32 | 5.09 | -1.23 | -1 | Pass |
| 143 | 6665 | -6.19 | 5.16 | -1.03 | -1 | Pass |
| 175 | 6825 | -7.30 | 5.16 | -2.14 | -1 | Pass |
| 207 | 6985 | -6.49 | 5.12 | -1.37 | -1 | Pass |

Notes:

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

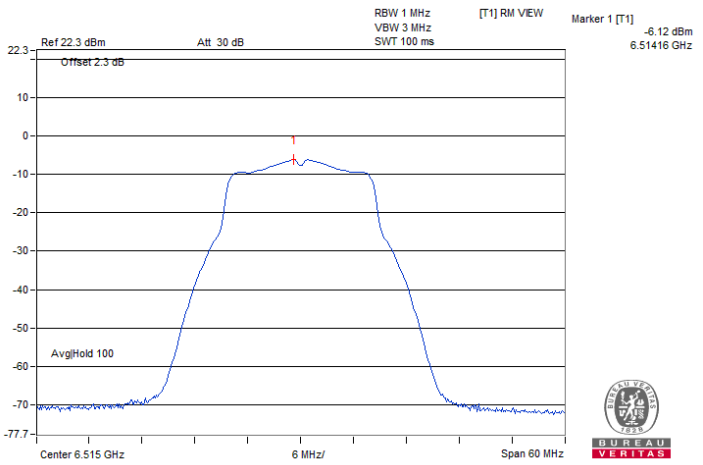
### 802.11be (EHT320)

| Chan. | Chan. Freq. (MHz) | PSD w/o Duty Factor (dBm/MHz) | Duty Factor (dB) | PSD (dBm/MHz) | Antenna Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|---|
| 31 | 6105 | -8.11 | 0.14 | -7.97 | 5.14 | -2.83 | -1 | Pass |
| 63 | 6265 | -8.52 | 0.14 | -8.38 | 5.14 | -3.24 | -1 | Pass |
| 95 | 6425 | -8.21 | 0.14 | -8.07 | 5.14 | -2.93 | -1 | Pass |
| 127 | 6585 | -7.8 | 0.14 | -7.66 | 5.16 | -2.5 | -1 | Pass |
| 159 | 6745 | -8.68 | 0.14 | -8.54 | 5.16 | -3.38 | -1 | Pass |
| 191 | 6905 | -8.33 | 0.14 | -8.19 | 5.12 | -3.07 | -1 | Pass |

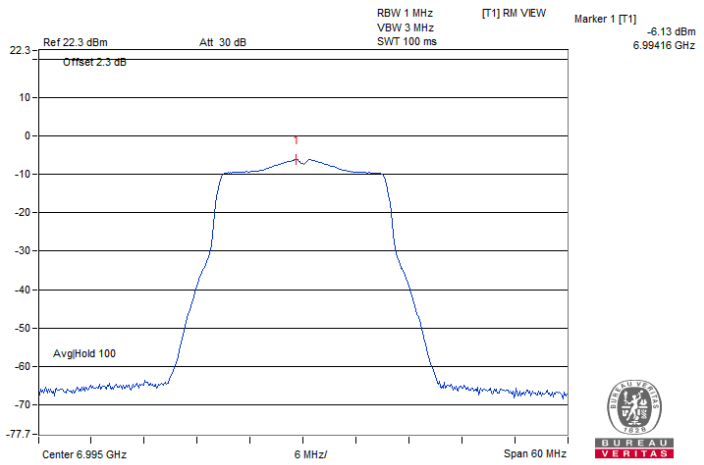
Notes:

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

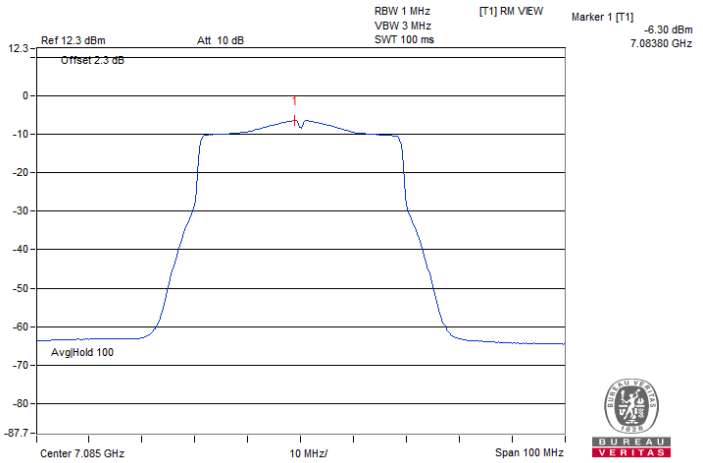
## Spectrum Plot of Maximum Value



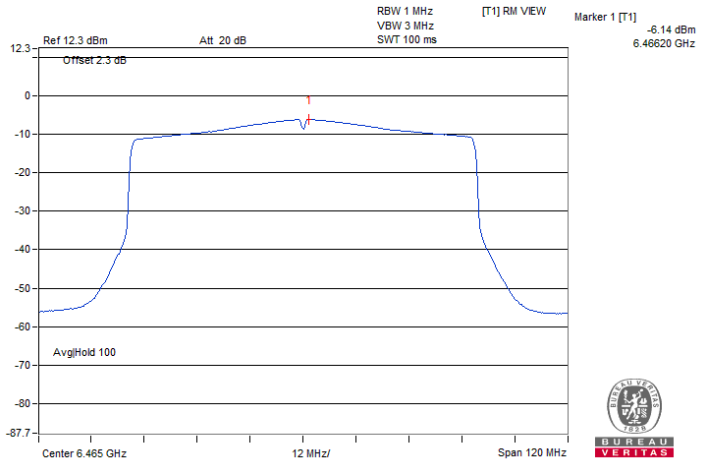

802.11a : CH 113



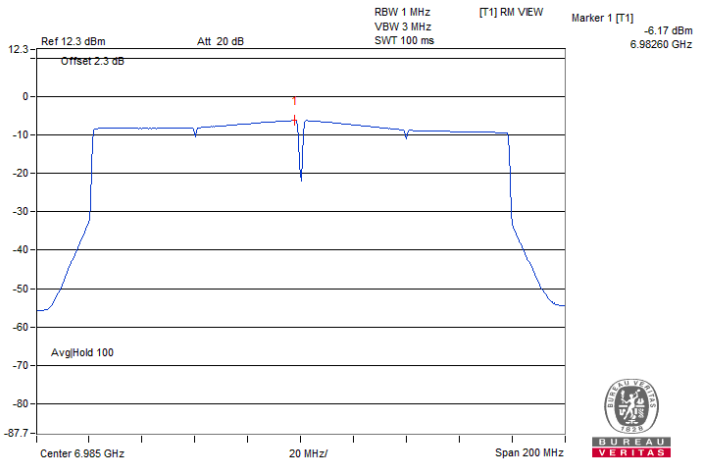

802.11ax (HE20) : CH 209



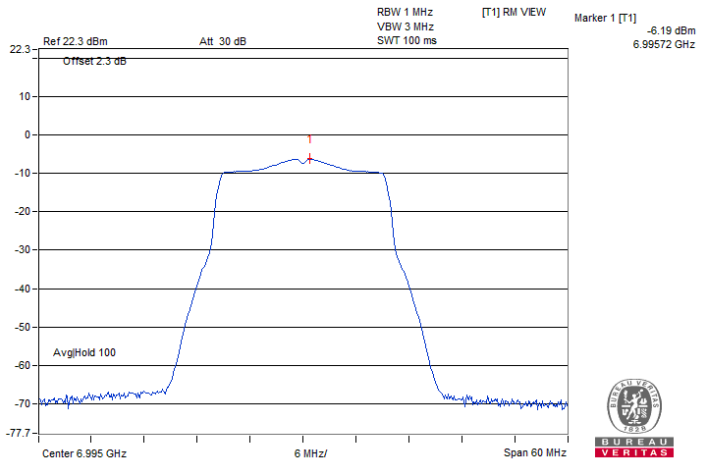

802.11ax (HE40) : CH 227




802.11ax (HE80) : CH 103

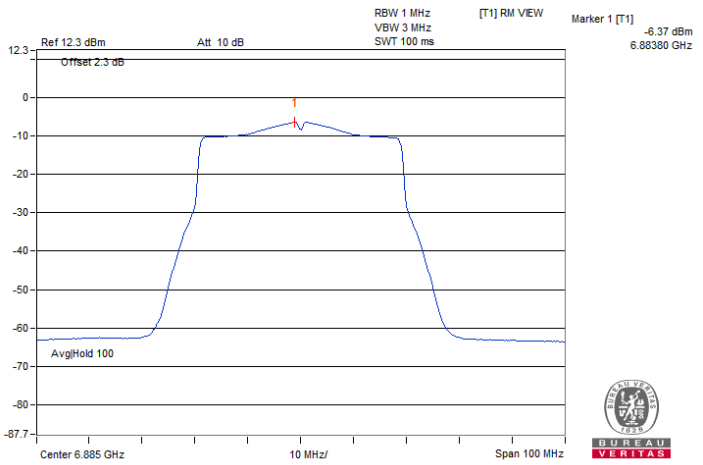



802.11ax (HE160) : CH 207

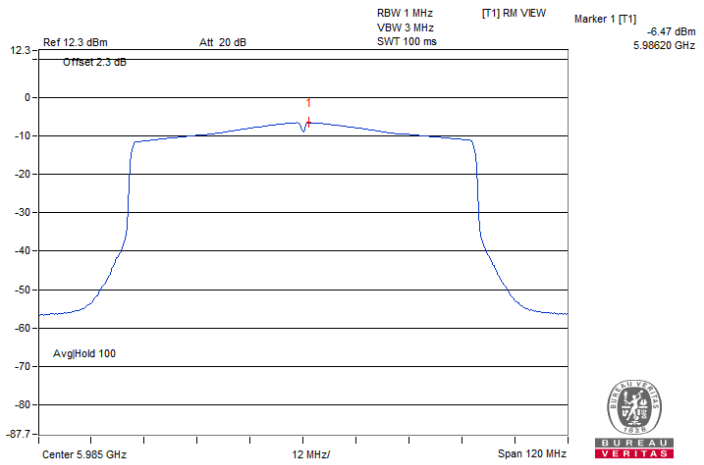



802.11be (EHT20) : CH 209

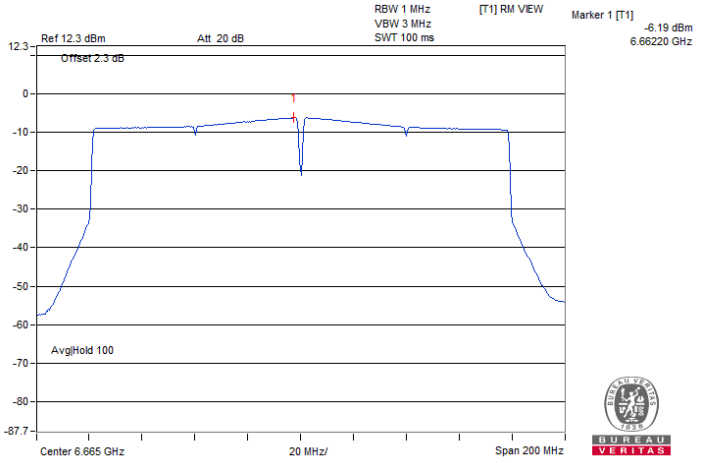
## Spectrum Plot of Maximum Value



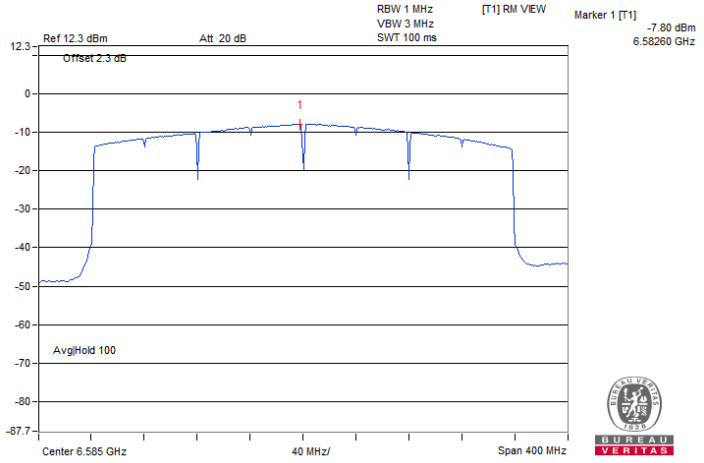

802.11be (EHT40) : CH 187




802.11be (EHT80) : CH 7




802.11be (EHT160) : CH 143




802.11be (EHT320) : CH 127

## 2Tx

## 802.11a

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | | Total PSD (dBm/MHz) | Directional Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | | |
| 2 | 5935 | -12.57 | -12.28 | -9.41 | 8.15 | -1.26 | -1 | Pass |
| 1 | 5955 | -12.19 | -12.49 | -9.33 | 8.15 | -1.18 | -1 | Pass |
| 45 | 6175 | -12.33 | -12.01 | -9.16 | 8.15 | -1.01 | -1 | Pass |
| 93 | 6415 | -12.57 | -12.45 | -9.50 | 8.15 | -1.35 | -1 | Pass |
| 97 | 6435 | -12.49 | -12.18 | -9.32 | 8.10 | -1.22 | -1 | Pass |
| 105 | 6475 | -12.22 | -12.12 | -9.16 | 8.10 | -1.06 | -1 | Pass |
| 113 | 6515 | -12.47 | -12.52 | -9.48 | 8.10 | -1.38 | -1 | Pass |
| 117 | 6535 | -12.26 | -12.23 | -9.23 | 8.17 | -1.06 | -1 | Pass |
| 149 | 6695 | -12.76 | -12.36 | -9.55 | 8.17 | -1.38 | -1 | Pass |
| 181 | 6855 | -12.74 | -12.11 | -9.40 | 8.17 | -1.23 | -1 | Pass |
| 185 | 6875 | -12.77 | -12.21 | -9.47 | 8.17 | -1.3 | -1 | Pass |
| 209 | 6995 | -12.49 | -11.86 | -9.15 | 8.13 | -1.02 | -1 | Pass |
| 233 | 7115 | -12.32 | -12.10 | -9.20 | 8.13 | -1.07 | -1 | Pass |

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-6, The directional gain is 8.1 dBi.
5. For U-NII-7, The directional gain is 8.17 dBi.
6. For U-NII-8, The directional gain is 8.13 dBi.

## 802.11ax (HE20)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | | Total PSD (dBm/MHz) | Directional Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | | |
| 2 | 5935 | -23.44 | -22.88 | -20.14 | 8.15 | -11.99 | -1 | Pass |
| 1 | 5955 | -12.65 | -12.12 | -9.37 | 8.15 | -1.22 | -1 | Pass |
| 45 | 6175 | -12.89 | -12.29 | -9.57 | 8.15 | -1.42 | -1 | Pass |
| 93 | 6415 | -13.25 | -12.75 | -9.98 | 8.15 | -1.83 | -1 | Pass |
| 97 | 6435 | -12.42 | -12.25 | -9.32 | 8.10 | -1.22 | -1 | Pass |
| 105 | 6475 | -12.77 | -12.74 | -9.74 | 8.10 | -1.64 | -1 | Pass |
| 113 | 6515 | -12.53 | -12.52 | -9.51 | 8.10 | -1.41 | -1 | Pass |
| 117 | 6535 | -12.87 | -12.72 | -9.78 | 8.17 | -1.61 | -1 | Pass |
| 149 | 6695 | -12.67 | -12.05 | -9.34 | 8.17 | -1.17 | -1 | Pass |
| 181 | 6855 | -12.72 | -12.04 | -9.36 | 8.17 | -1.19 | -1 | Pass |
| 185 | 6875 | -12.94 | -12.01 | -9.44 | 8.17 | -1.27 | -1 | Pass |
| 209 | 6995 | -13.08 | -12.13 | -9.57 | 8.13 | -1.44 | -1 | Pass |
| 233 | 7115 | -24.87 | -23.95 | -21.38 | 8.13 | -13.25 | -1 | Pass |

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-6, The directional gain is 8.1 dBi.
5. For U-NII-7, The directional gain is 8.17 dBi.
6. For U-NII-8, The directional gain is 8.13 dBi.

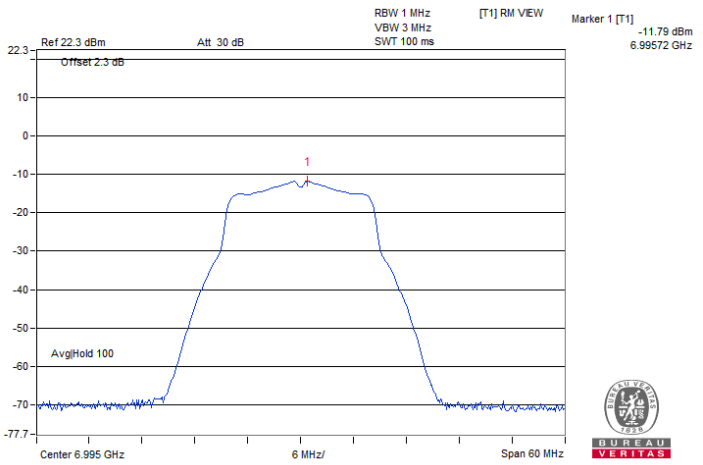
## 802.11be (EHT20)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | | Total PSD (dBm/MHz) | Directional Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | | |
| 2 | 5935 | -23.02 | -22.69 | -19.84 | 8.15 | -11.69 | -1 | Pass |
| 1 | 5955 | -12.41 | -11.96 | -9.17 | 8.15 | -1.02 | -1 | Pass |
| 45 | 6175 | -12.55 | -11.98 | -9.25 | 8.15 | -1.1 | -1 | Pass |
| 93 | 6415 | -12.82 | -12.41 | -9.60 | 8.15 | -1.45 | -1 | Pass |
| 97 | 6435 | -12.56 | -12.06 | -9.29 | 8.10 | -1.19 | -1 | Pass |
| 105 | 6475 | -12.41 | -12.32 | -9.35 | 8.10 | -1.25 | -1 | Pass |
| 113 | 6515 | -12.27 | -12.29 | -9.27 | 8.10 | -1.17 | -1 | Pass |
| 117 | 6535 | -12.72 | -12.55 | -9.62 | 8.17 | -1.45 | -1 | Pass |
| 149 | 6695 | -12.66 | -11.90 | -9.25 | 8.17 | -1.08 | -1 | Pass |
| 181 | 6855 | -12.66 | -11.76 | -9.18 | 8.17 | -1.01 | -1 | Pass |
| 185 | 6875 | -12.63 | -11.83 | -9.20 | 8.17 | -1.03 | -1 | Pass |
| 209 | 6995 | -13.01 | -12.03 | -9.48 | 8.13 | -1.35 | -1 | Pass |
| 233 | 7115 | -24.44 | -23.72 | -21.05 | 8.13 | -12.92 | -1 | Pass |

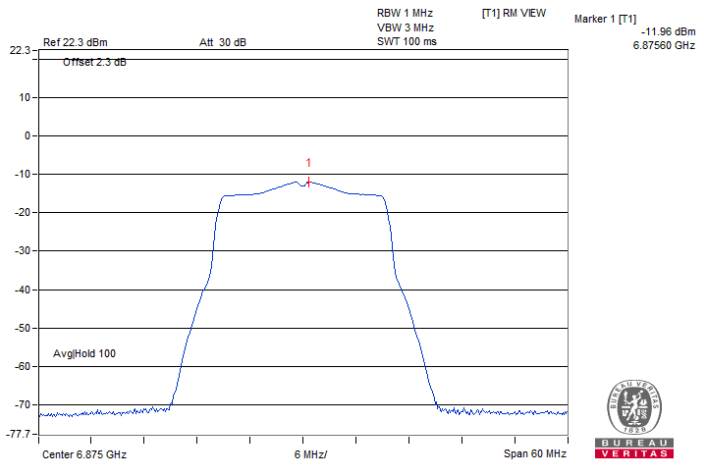
Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-6, The directional gain is 8.1 dBi.
5. For U-NII-7, The directional gain is 8.17 dBi.
6. For U-NII-8, The directional gain is 8.13 dBi.

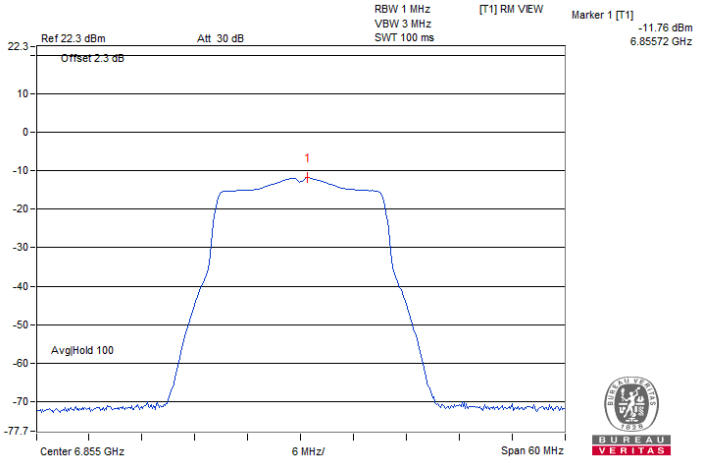
## Spectrum Plot of Maximum Value




802.11a / Chain 1 : CH 209




802.11ax (HE20) / Chain 1 : CH 185




802.11be (EHT20) / Chain 1 : CH 181

## 7.3 Emission Bandwidth

| Input Power: | 3.3 Vdc | Environmental Conditions: | 26°C, 59% RH | Tested By: | Dolly Chung |
|---|---|---|---|---|---|

**Mode A**

**1Tx**

**802.11a**

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 2 | 5935 | 22.24 | 320 | Pass |
| 1 | 5955 | 22.03 | 320 | Pass |
| 45 | 6175 | 21.9 | 320 | Pass |
| 93 | 6415 | 22.23 | 320 | Pass |
| 97 | 6435 | 22.05 | 320 | Pass |
| 105 | 6475 | 22.23 | 320 | Pass |
| 113 | 6515 | 22.16 | 320 | Pass |
| 117 | 6535 | 22.01 | 320 | Pass |
| 149 | 6695 | 21.99 | 320 | Pass |
| 181 | 6855 | 22.13 | 320 | Pass |
| 185 | 6875 | 22.26 | 320 | Pass |
| 209 | 6995 | 22.79 | 320 | Pass |
| 233 | 7115 | 21.87 | 320 | Pass |

**802.11ax (HE20)**

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 2 | 5935 | 22.82 | 320 | Pass |
| 1 | 5955 | 22.06 | 320 | Pass |
| 45 | 6175 | 21.51 | 320 | Pass |
| 93 | 6415 | 22.24 | 320 | Pass |
| 97 | 6435 | 22.25 | 320 | Pass |
| 105 | 6475 | 22.07 | 320 | Pass |
| 113 | 6515 | 22.72 | 320 | Pass |
| 117 | 6535 | 22.42 | 320 | Pass |
| 149 | 6695 | 22.4 | 320 | Pass |
| 181 | 6855 | 22.63 | 320 | Pass |
| 185 | 6875 | 22.25 | 320 | Pass |
| 209 | 6995 | 22.26 | 320 | Pass |
| 233 | 7115 | 23.18 | 320 | Pass |

### 802.11ax (HE40)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 3 | 5965 | 42.04 | 320 | Pass |
| 43 | 6165 | 42.62 | 320 | Pass |
| 91 | 6405 | 41.86 | 320 | Pass |
| 99 | 6445 | 41.53 | 320 | Pass |
| 107 | 6485 | 42.2 | 320 | Pass |
| 115 | 6525 | 42.38 | 320 | Pass |
| 123 | 6565 | 41.95 | 320 | Pass |
| 155 | 6725 | 42.12 | 320 | Pass |
| 179 | 6845 | 42.39 | 320 | Pass |
| 187 | 6885 | 41.96 | 320 | Pass |
| 211 | 7005 | 42.53 | 320 | Pass |
| 227 | 7085 | 42.18 | 320 | Pass |

### 802.11ax (HE80)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 7 | 5985 | 84.19 | 320 | Pass |
| 39 | 6145 | 83.14 | 320 | Pass |
| 87 | 6385 | 83.25 | 320 | Pass |
| 103 | 6465 | 82.8 | 320 | Pass |
| 119 | 6545 | 84.19 | 320 | Pass |
| 151 | 6705 | 81.79 | 320 | Pass |
| 183 | 6865 | 82.73 | 320 | Pass |
| 199 | 6945 | 83.01 | 320 | Pass |
| 215 | 7025 | 82.77 | 320 | Pass |

### 802.11ax (HE160)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 15 | 6025 | 170.41 | 320 | Pass |
| 47 | 6185 | 168.36 | 320 | Pass |
| 79 | 6345 | 172.48 | 320 | Pass |
| 111 | 6505 | 170.27 | 320 | Pass |
| 143 | 6665 | 168.66 | 320 | Pass |
| 175 | 6825 | 171.93 | 320 | Pass |
| 207 | 6985 | 168.78 | 320 | Pass |

## 802.11be (EHT20)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 2 | 5935 | 22.5 | 320 | Pass |
| 1 | 5955 | 21.85 | 320 | Pass |
| 45 | 6175 | 22.21 | 320 | Pass |
| 93 | 6415 | 22.54 | 320 | Pass |
| 97 | 6435 | 21.91 | 320 | Pass |
| 105 | 6475 | 21.99 | 320 | Pass |
| 113 | 6515 | 22.83 | 320 | Pass |
| 117 | 6535 | 22.27 | 320 | Pass |
| 149 | 6695 | 21.87 | 320 | Pass |
| 181 | 6855 | 22.32 | 320 | Pass |
| 185 | 6875 | 22.22 | 320 | Pass |
| 209 | 6995 | 22.23 | 320 | Pass |
| 233 | 7115 | 22.71 | 320 | Pass |

## 802.11be (EHT40)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 3 | 5965 | 42.94 | 320 | Pass |
| 43 | 6165 | 43.18 | 320 | Pass |
| 91 | 6405 | 43.67 | 320 | Pass |
| 99 | 6445 | 43.33 | 320 | Pass |
| 107 | 6485 | 42.8 | 320 | Pass |
| 115 | 6525 | 43.1 | 320 | Pass |
| 123 | 6565 | 43.24 | 320 | Pass |
| 155 | 6725 | 42.75 | 320 | Pass |
| 179 | 6845 | 43.12 | 320 | Pass |
| 187 | 6885 | 42.63 | 320 | Pass |
| 211 | 7005 | 42.99 | 320 | Pass |
| 227 | 7085 | 43.29 | 320 | Pass |

### 802.11be (EHT80)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 7 | 5985 | 85.05 | 320 | Pass |
| 39 | 6145 | 83.73 | 320 | Pass |
| 87 | 6385 | 83.22 | 320 | Pass |
| 103 | 6465 | 83.86 | 320 | Pass |
| 119 | 6545 | 85.02 | 320 | Pass |
| 151 | 6705 | 83.54 | 320 | Pass |
| 183 | 6865 | 83.54 | 320 | Pass |
| 199 | 6945 | 83.89 | 320 | Pass |
| 215 | 7025 | 83.63 | 320 | Pass |

### 802.11be (EHT160)

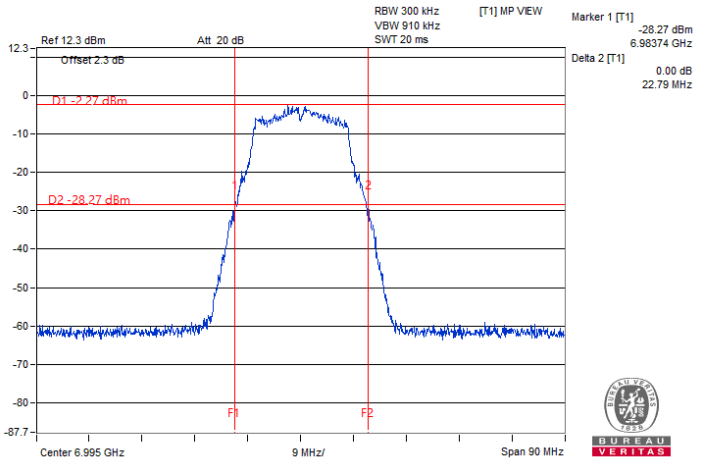
| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 15 | 6025 | 174.33 | 320 | Pass |
| 47 | 6185 | 174.51 | 320 | Pass |
| 79 | 6345 | 174.1 | 320 | Pass |
| 111 | 6505 | 170.92 | 320 | Pass |
| 143 | 6665 | 171.67 | 320 | Pass |
| 175 | 6825 | 171.99 | 320 | Pass |
| 207 | 6985 | 170.85 | 320 | Pass |

### 802.11be (EHT320)

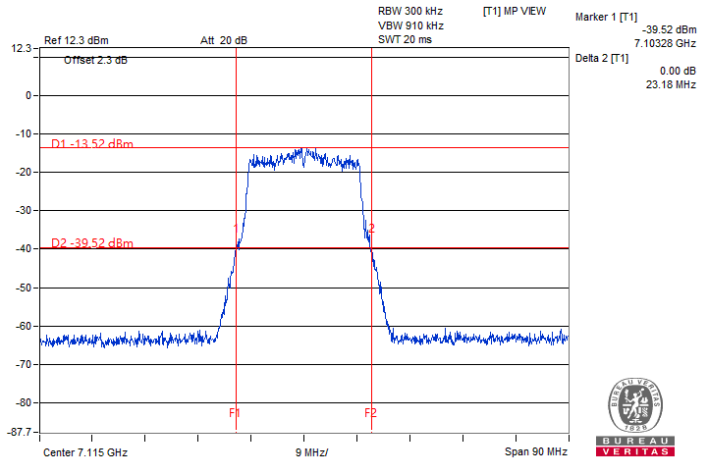
| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 31 | 6105 | 331.77 | 320 | Note |
| 63 | 6265 | 328.88 | 320 | Note |
| 95 | 6425 | 329.13 | 320 | Note |
| 127 | 6585 | 329.23 | 320 | Note |
| 159 | 6745 | 330.28 | 320 | Note |
| 191 | 6905 | 329.58 | 320 | Note |

Note: Please refer to 99% OBW measurement test results for Wi-Fi 320 MHz BW mode.

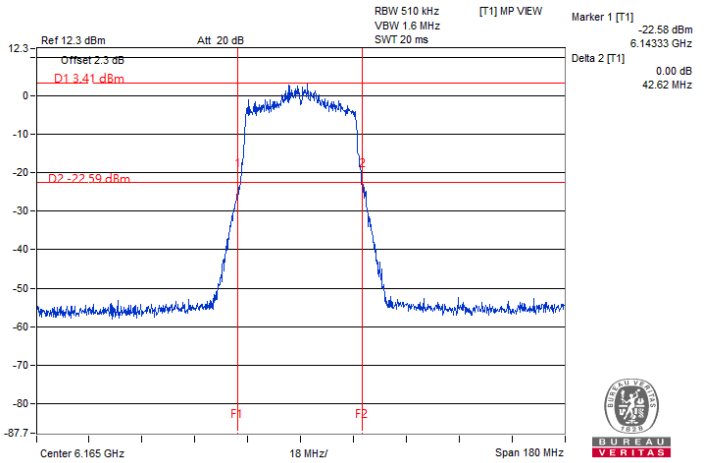
## Spectrum Plot of Maximum Value



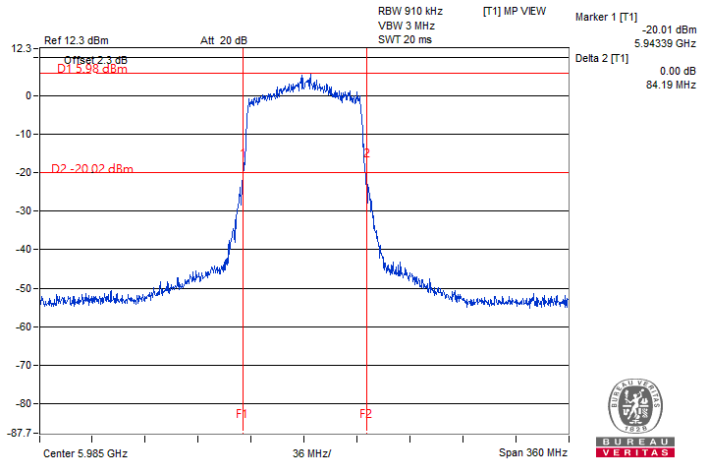

802.11a : CH 209



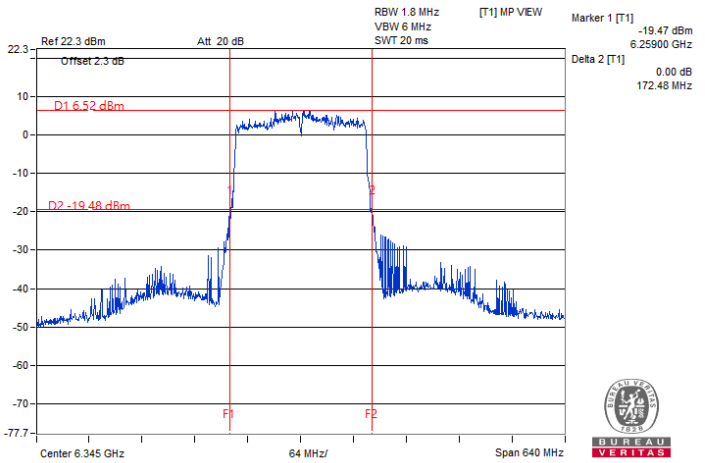

802.11ax (HE20) : CH 233



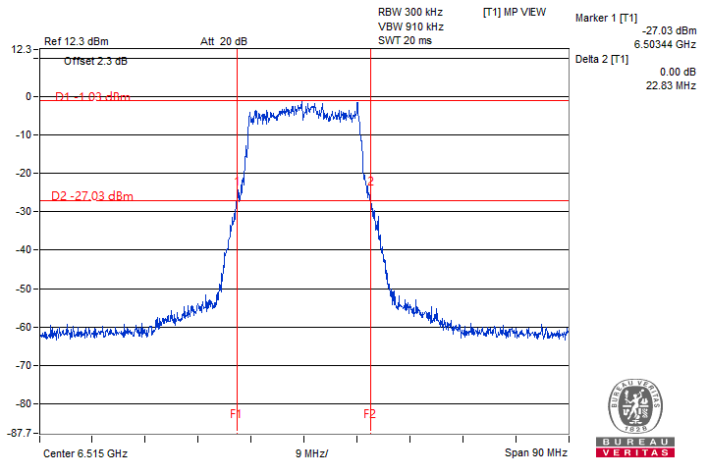

802.11ax (HE40) : CH 43




802.11ax (HE80) : CH 7

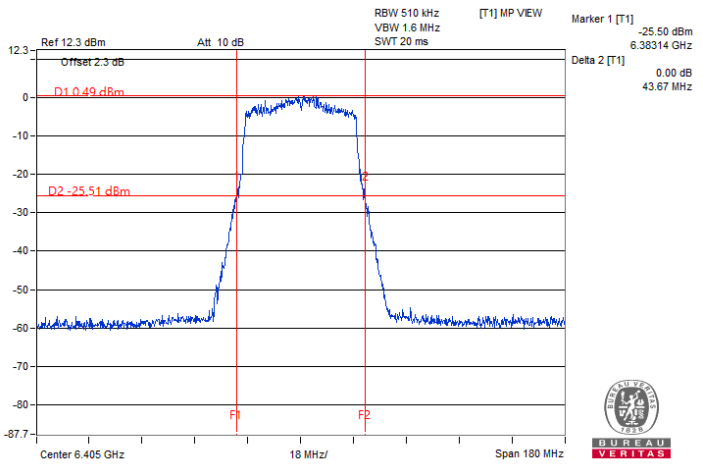



802.11ax (HE160) : CH 79

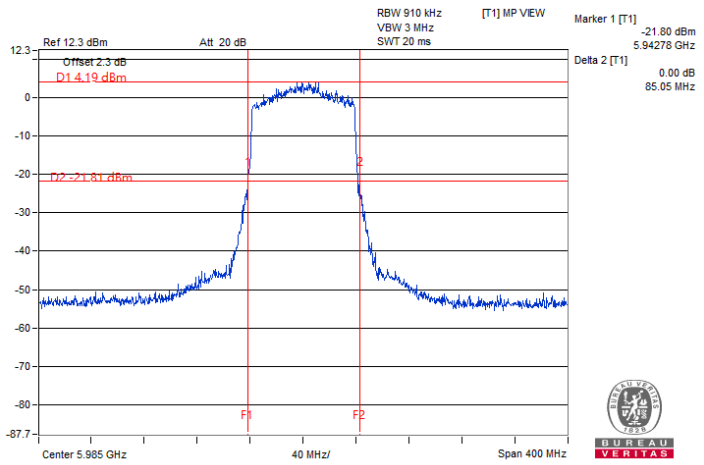



802.11be (EHT20) : CH 113

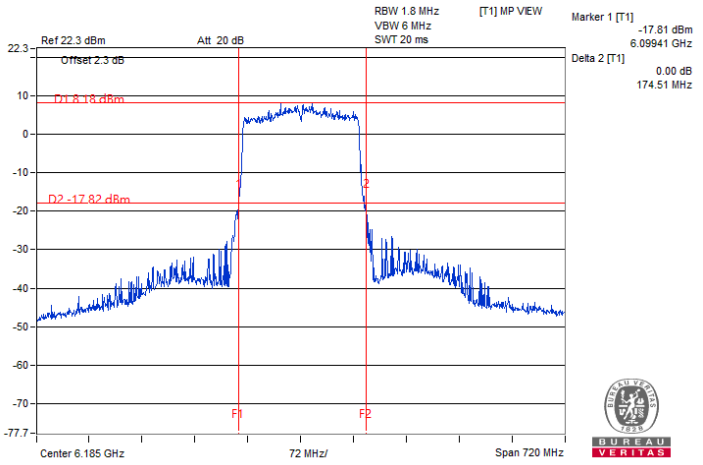
## Spectrum Plot of Maximum Value



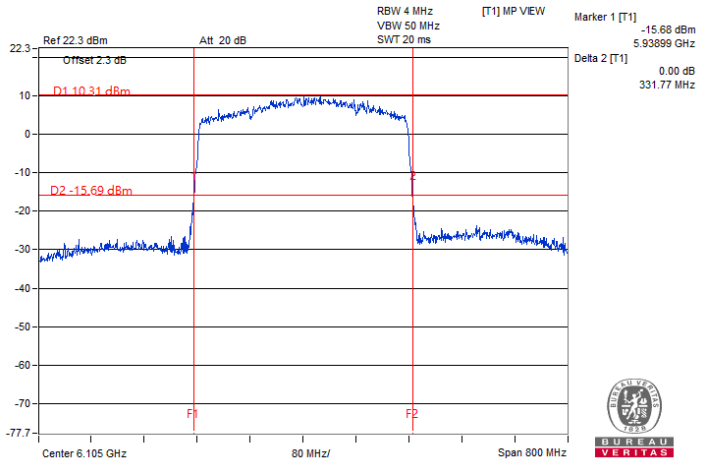

802.11be (EHT40) : CH 91




802.11be (EHT80) : CH 7




802.11be (EHT160) : CH 47




802.11be (EHT320) : CH 31

## 2Tx

### 802.11a

| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) | | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 2 | 5935 | 22.27 | 22.23 | 320 | Pass |
| 1 | 5955 | 22.23 | 21.93 | 320 | Pass |
| 45 | 6175 | 22.39 | 22.10 | 320 | Pass |
| 93 | 6415 | 22.25 | 22.26 | 320 | Pass |
| 97 | 6435 | 22.08 | 22.25 | 320 | Pass |
| 105 | 6475 | 22.39 | 22.09 | 320 | Pass |
| 113 | 6515 | 22.22 | 21.99 | 320 | Pass |
| 117 | 6535 | 22.32 | 22.42 | 320 | Pass |
| 149 | 6695 | 22.00 | 22.39 | 320 | Pass |
| 181 | 6855 | 22.15 | 21.95 | 320 | Pass |
| 185 | 6875 | 22.44 | 21.94 | 320 | Pass |
| 209 | 6995 | 22.33 | 22.26 | 320 | Pass |
| 233 | 7115 | 22.31 | 21.96 | 320 | Pass |

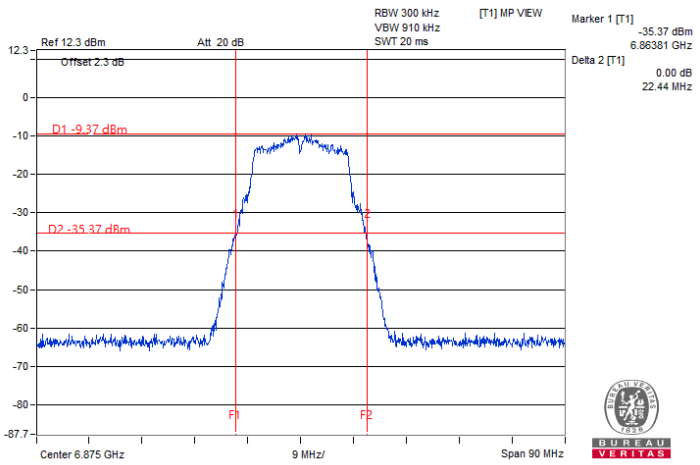
### 802.11ax (HE20)

| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) | | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 2 | 5935 | 22.94 | 22.80 | 320 | Pass |
| 1 | 5955 | 22.39 | 22.47 | 320 | Pass |
| 45 | 6175 | 22.69 | 22.26 | 320 | Pass |
| 93 | 6415 | 22.17 | 22.44 | 320 | Pass |
| 97 | 6435 | 21.66 | 22.43 | 320 | Pass |
| 105 | 6475 | 22.01 | 22.59 | 320 | Pass |
| 113 | 6515 | 22.96 | 21.86 | 320 | Pass |
| 117 | 6535 | 22.25 | 21.60 | 320 | Pass |
| 149 | 6695 | 22.04 | 22.10 | 320 | Pass |
| 181 | 6855 | 21.91 | 21.87 | 320 | Pass |
| 185 | 6875 | 22.23 | 22.64 | 320 | Pass |
| 209 | 6995 | 21.94 | 22.50 | 320 | Pass |
| 233 | 7115 | 22.99 | 22.36 | 320 | Pass |

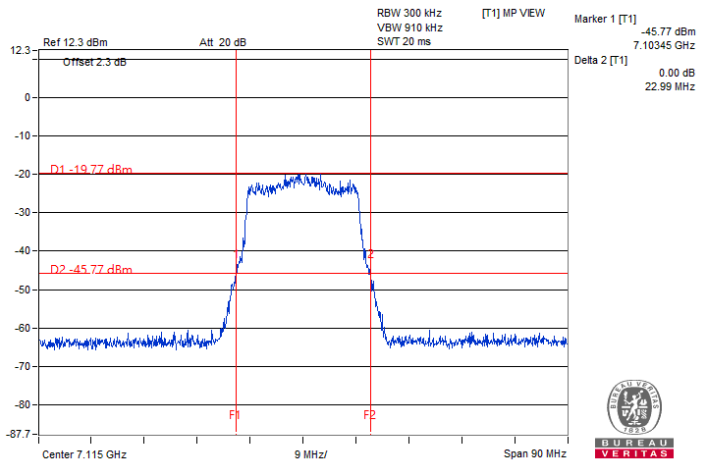
## 802.11be (EHT20)

| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) | | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 2 | 5935 | 22.63 | 23.19 | 320 | Pass |
| 1 | 5955 | 22.37 | 22.31 | 320 | Pass |
| 45 | 6175 | 22.54 | 23.08 | 320 | Pass |
| 93 | 6415 | 22.73 | 22.88 | 320 | Pass |
| 97 | 6435 | 22.43 | 22.14 | 320 | Pass |
| 105 | 6475 | 22.64 | 22.81 | 320 | Pass |
| 113 | 6515 | 22.34 | 22.43 | 320 | Pass |
| 117 | 6535 | 21.96 | 22.41 | 320 | Pass |
| 149 | 6695 | 22.19 | 22.45 | 320 | Pass |
| 181 | 6855 | 22.51 | 22.98 | 320 | Pass |
| 185 | 6875 | 22.54 | 22.30 | 320 | Pass |
| 209 | 6995 | 22.19 | 22.13 | 320 | Pass |
| 233 | 7115 | 22.62 | 23.61 | 320 | Pass |

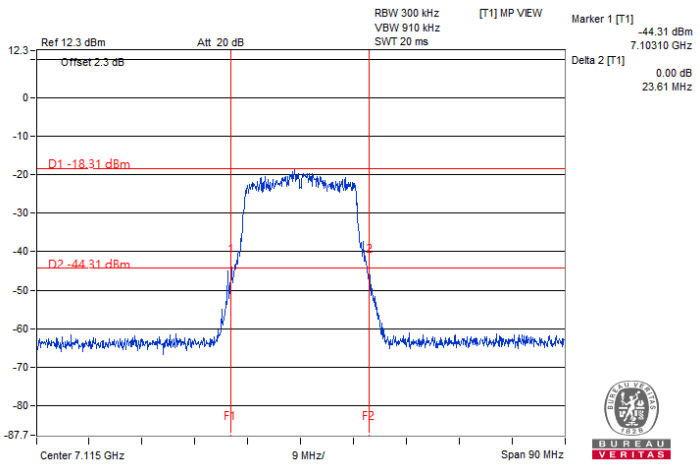
Spectrum Plot of Maximum Value




802.11a / Chain 0 : CH 185




802.11ax (HE20) / Chain 0 : CH 233




802.11be (EHT20) / Chain 1 : CH 233

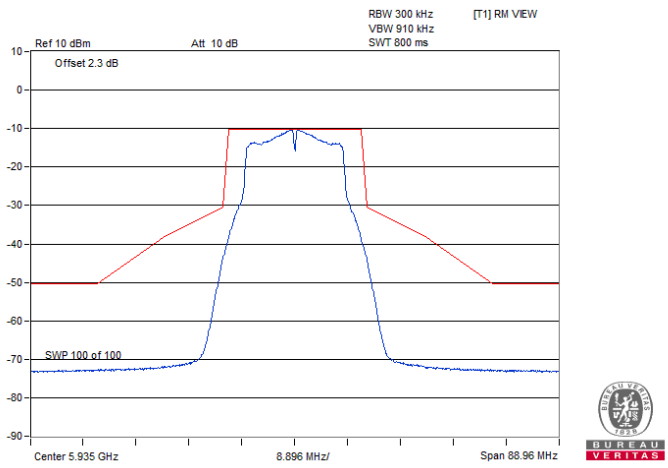
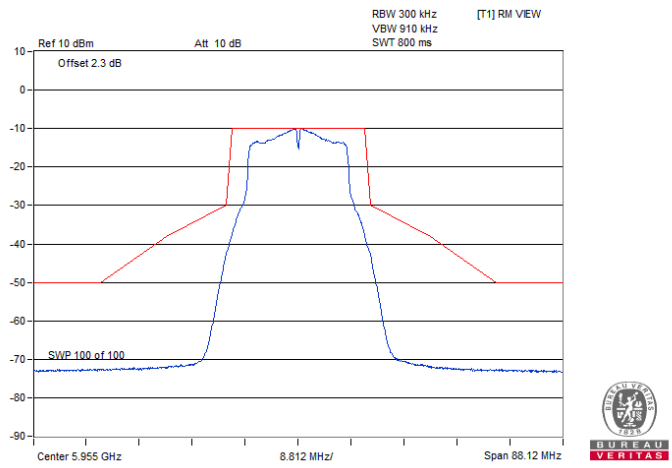
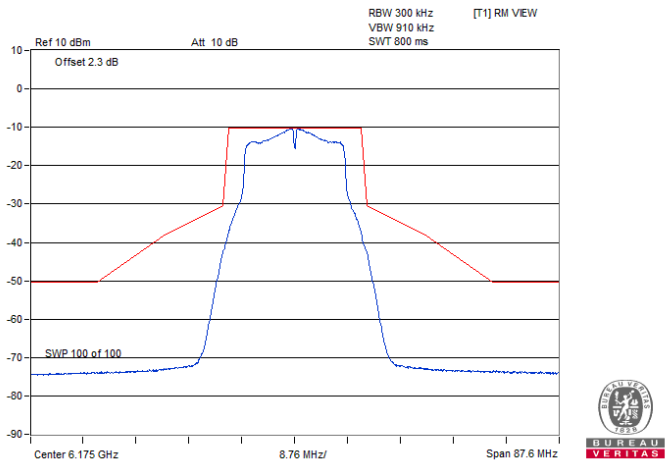
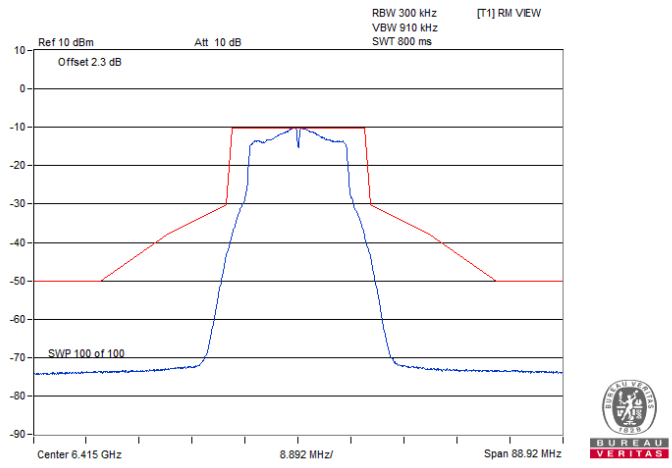
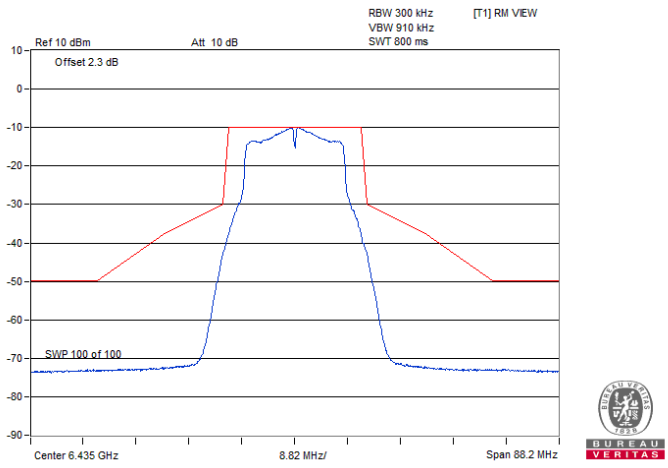
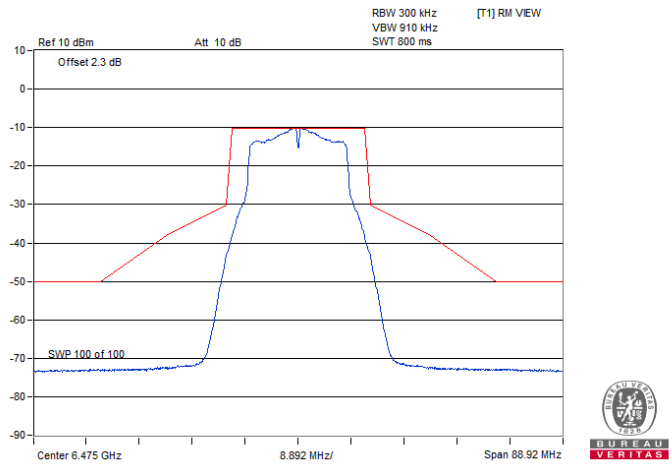
## 7.4 In-Band Emission Mask

| Input Power: | 3.3 Vdc | Environmental Conditions: | 26°C, 59% RH | Tested By: | Dolly Chung |
|---|---|---|---|---|---|

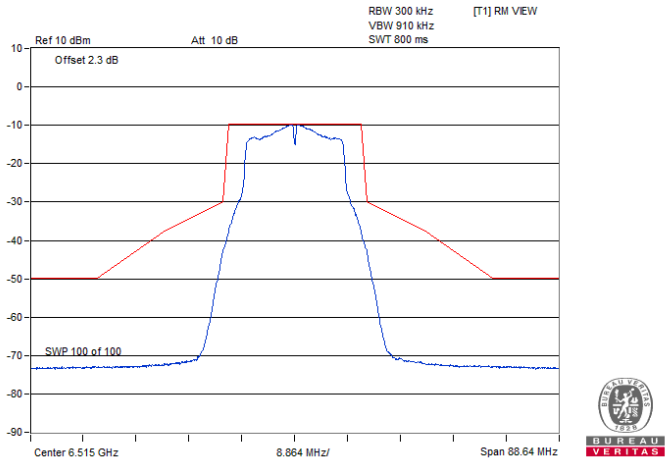
**Mode A**

**1Tx**

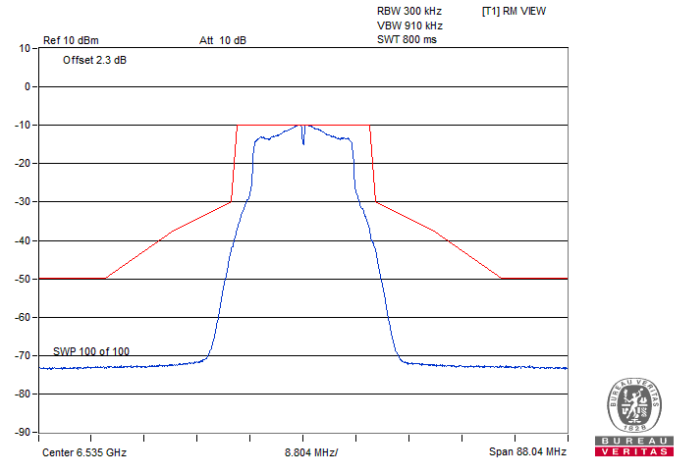
**802.11a**

| Spectrum Plot | |
|---|---|
|  802.11a : CH 2 |  802.11a : CH 1 |
|  802.11a : CH 45 |  802.11a : CH 93 |
|  802.11a : CH 97 |  802.11a : CH 105 |

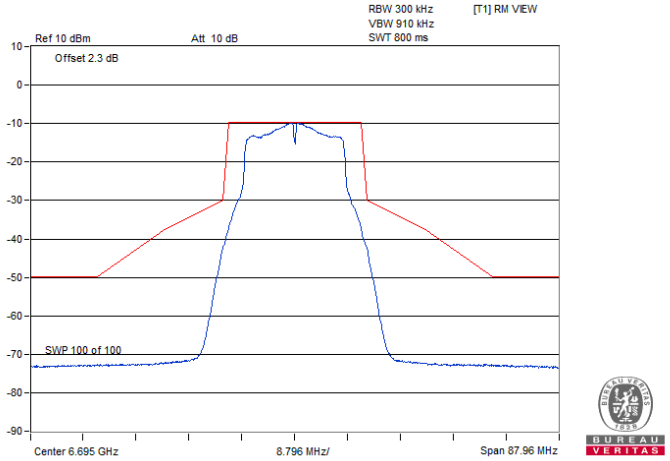
## Spectrum Plot



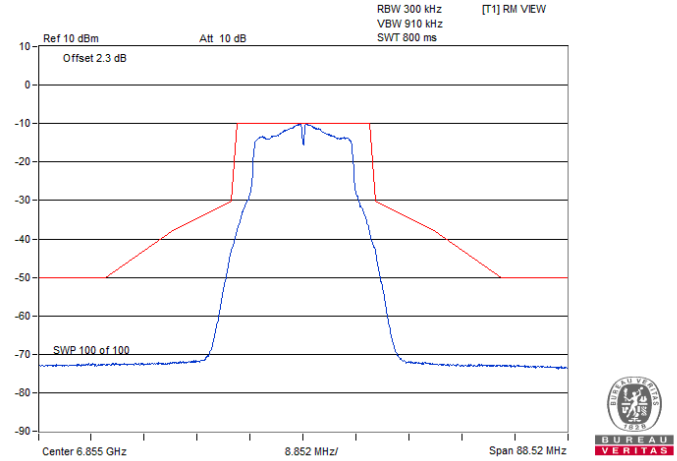

802.11a : CH 113



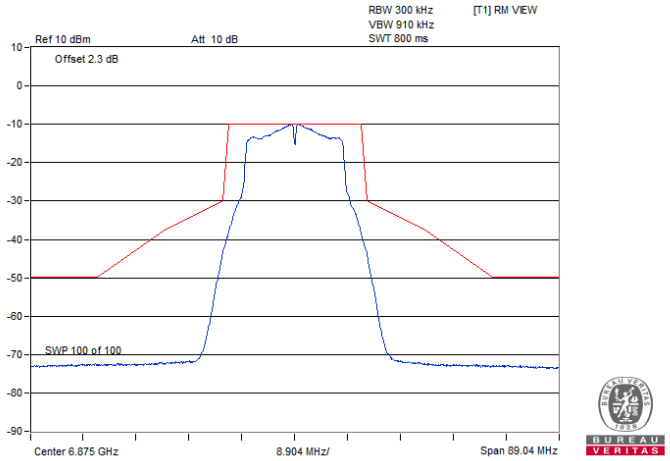

802.11a : CH 117



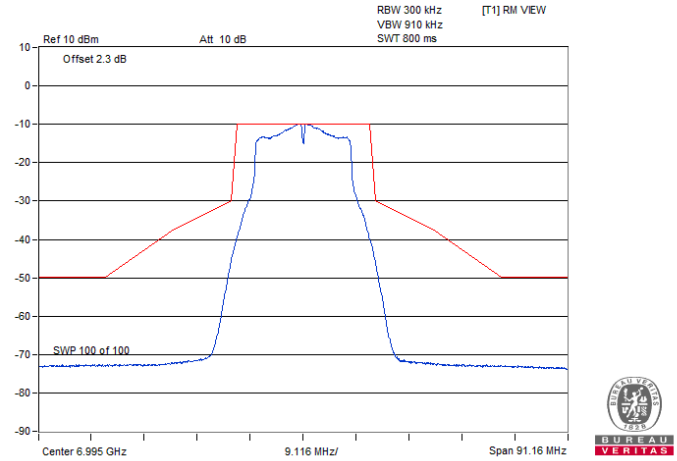

802.11a : CH 149




802.11a : CH 181

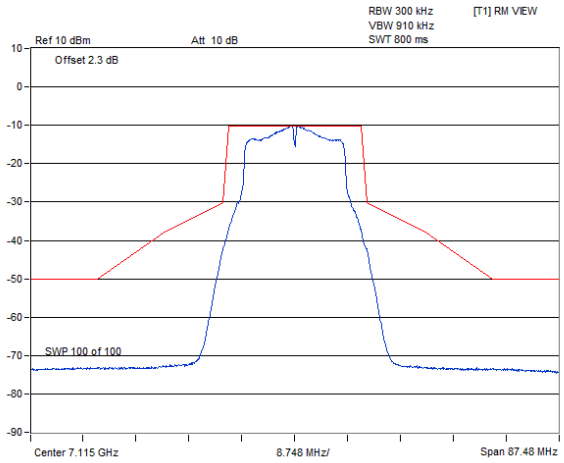



802.11a : CH 185



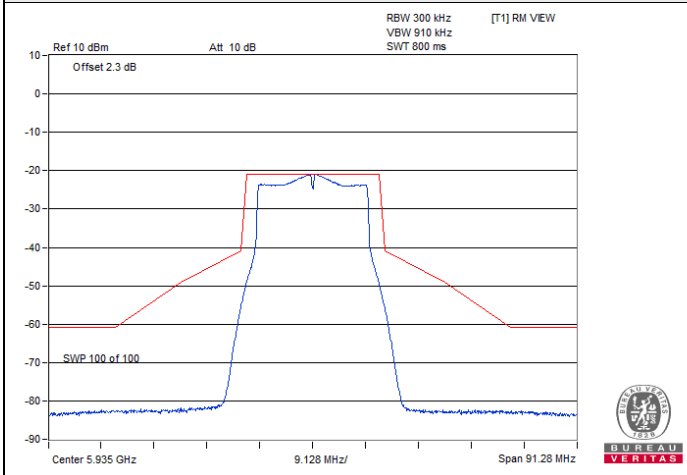
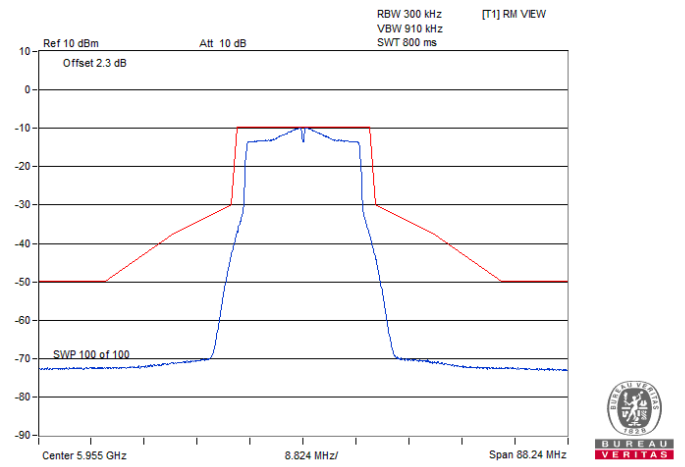
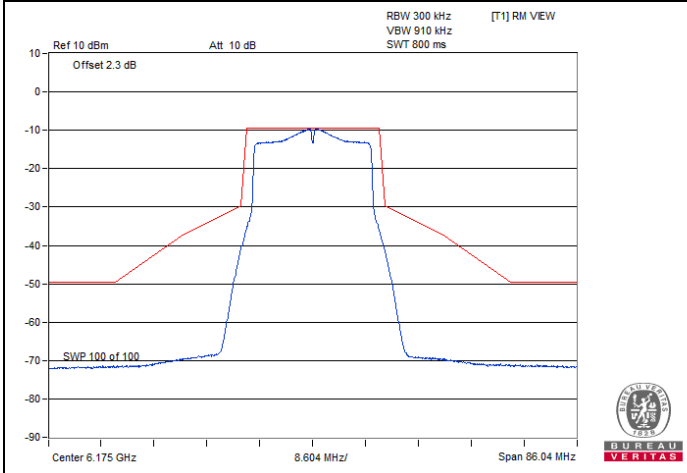
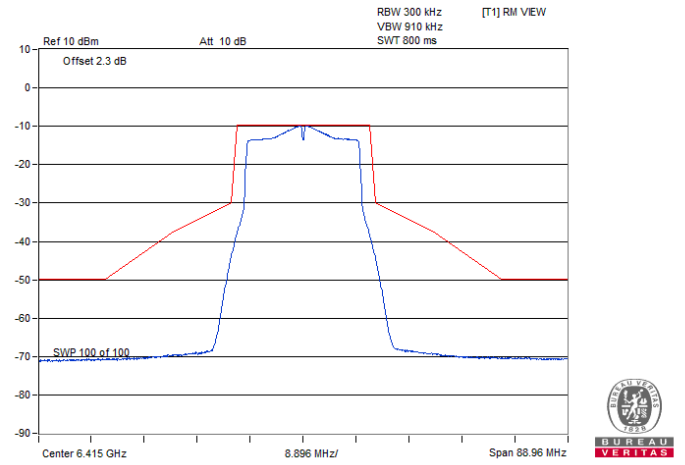
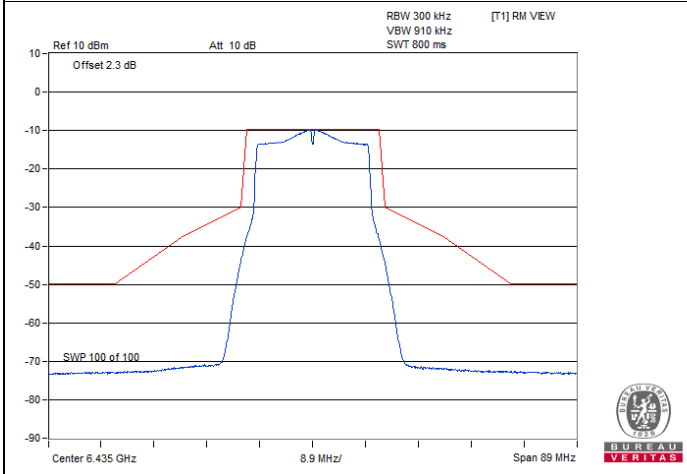
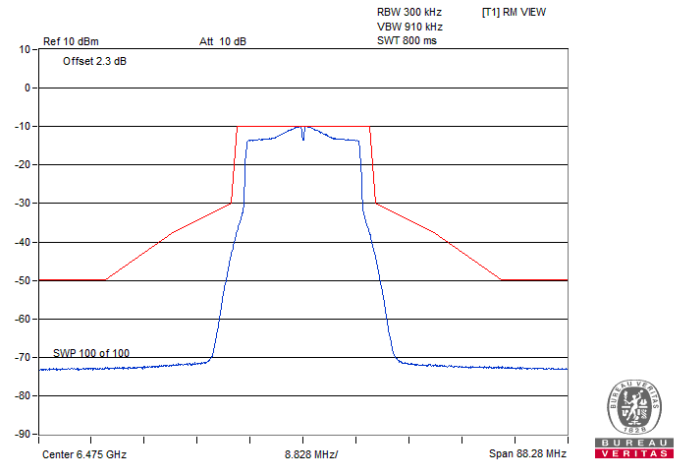

802.11a : CH 209

## Spectrum Plot

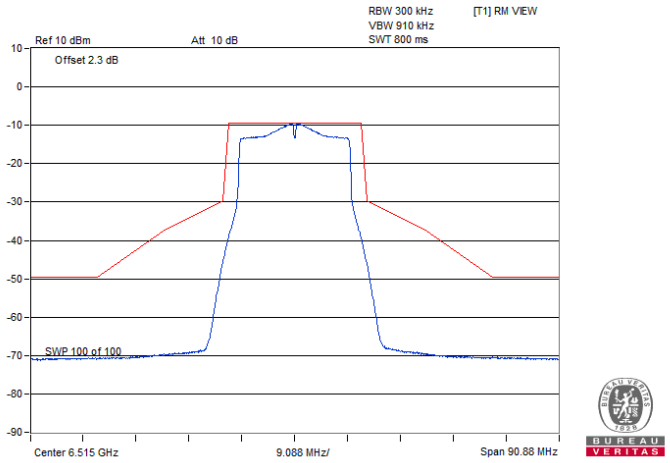



802.11a : CH 233

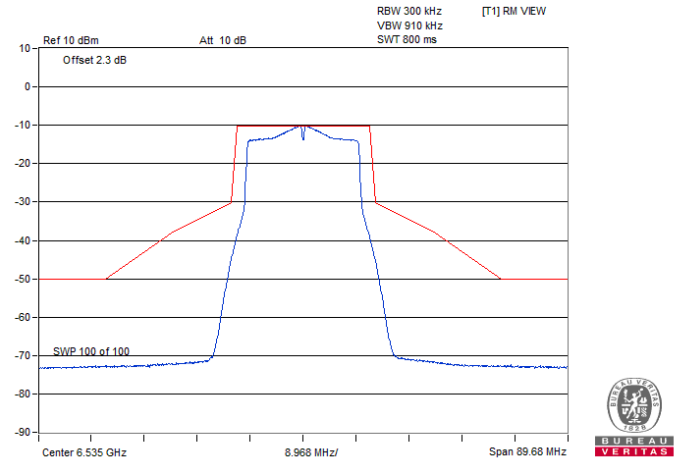
## 802.11ax (HE20)

| Spectrum Plot | |
|---|---|
|  |  |
| 802.11ax (HE20) : CH 2 | 802.11ax (HE20) : CH 1 |
|  |  |
| 802.11ax (HE20) : CH 45 | 802.11ax (HE20) : CH 93 |
|  |  |
| 802.11ax (HE20) : CH 97 | 802.11ax (HE20) : CH 105 |

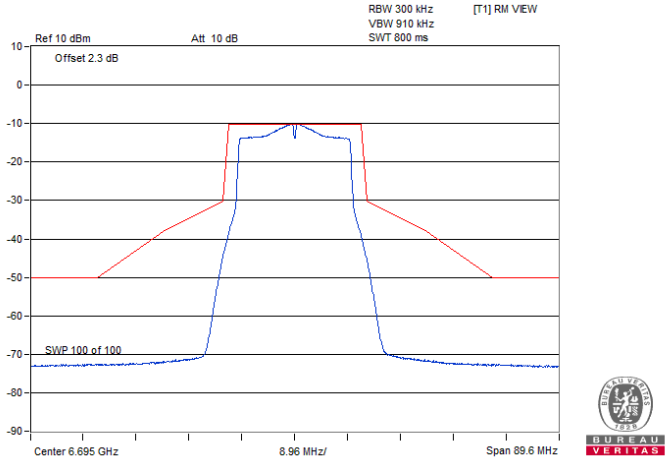
## Spectrum Plot



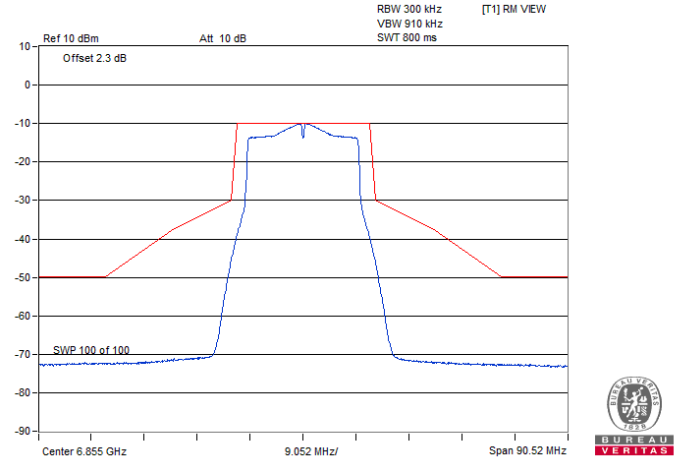

802.11ax (HE20) : CH 113



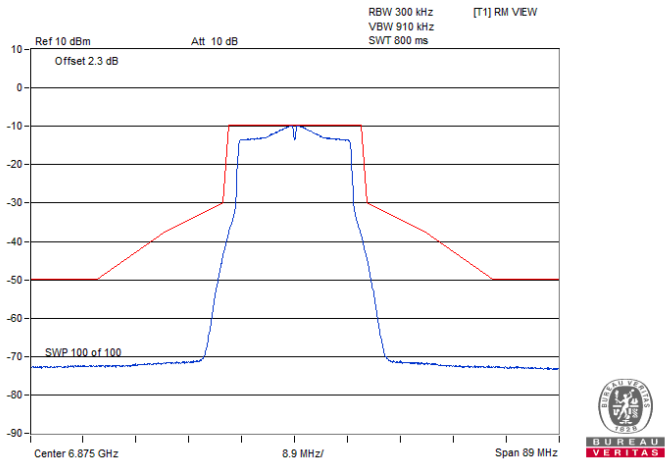

802.11ax (HE20) : CH 117



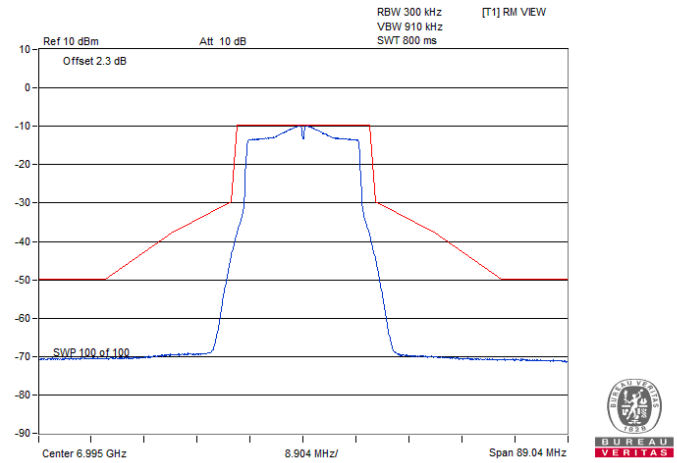

802.11ax (HE20) : CH 149




802.11ax (HE20) : CH 181

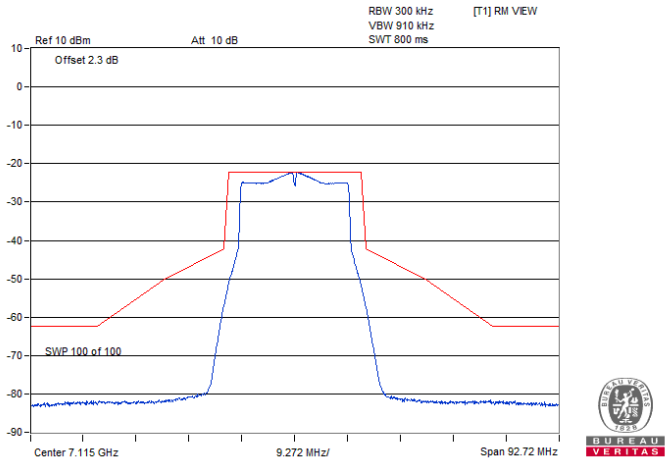



802.11ax (HE20) : CH 185



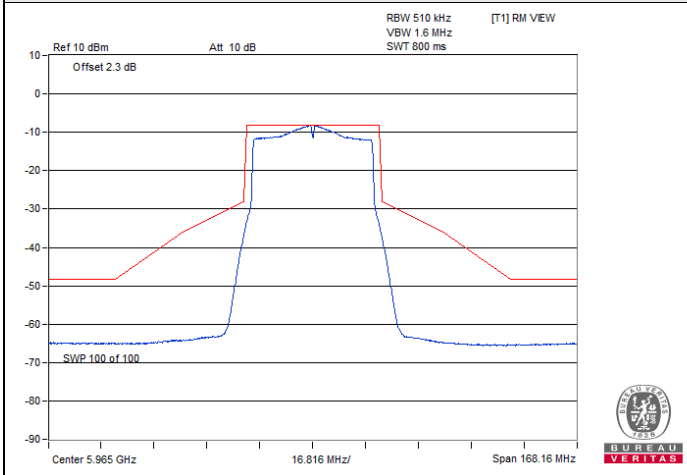
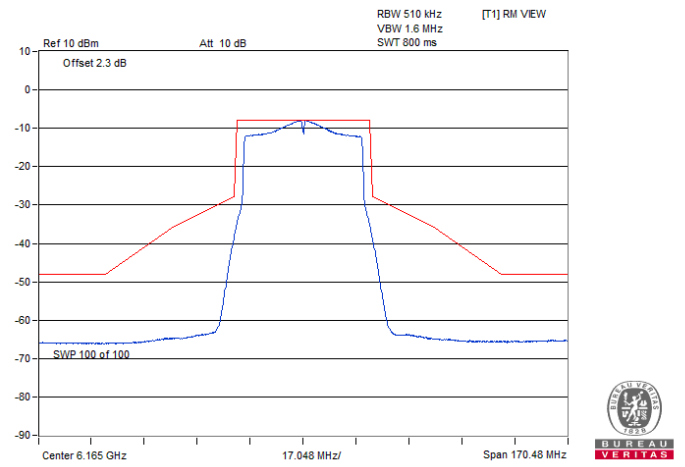
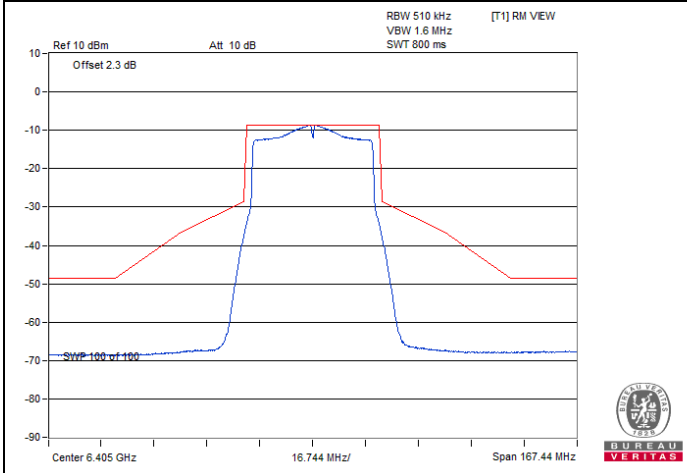
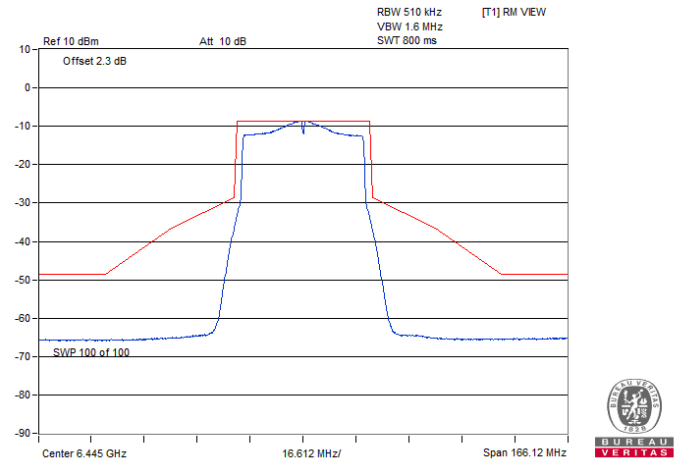
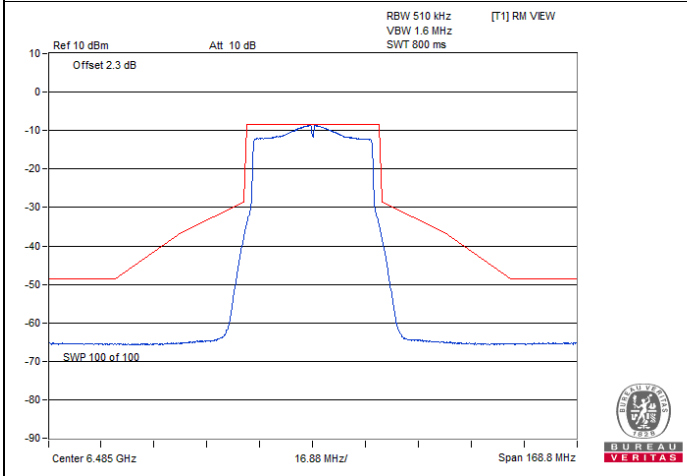
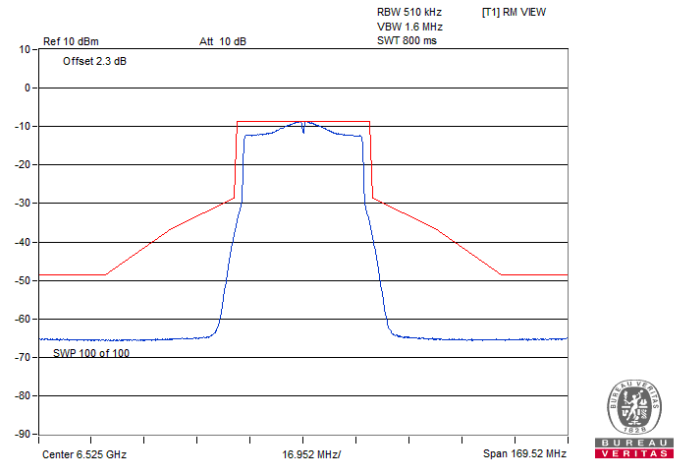

802.11ax (HE20) : CH 209

## Spectrum Plot

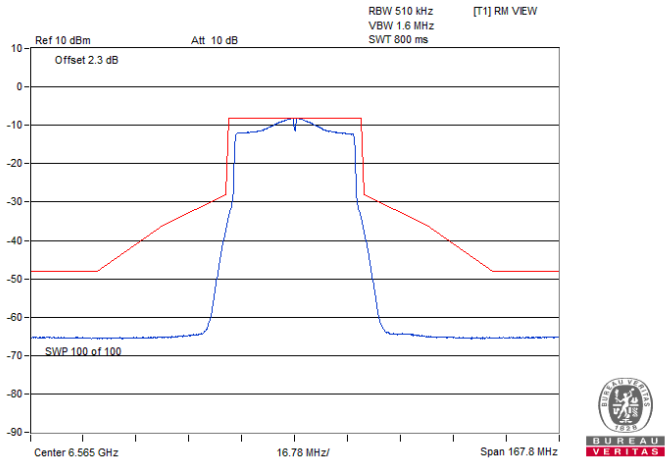



802.11ax (HE20) : CH 233

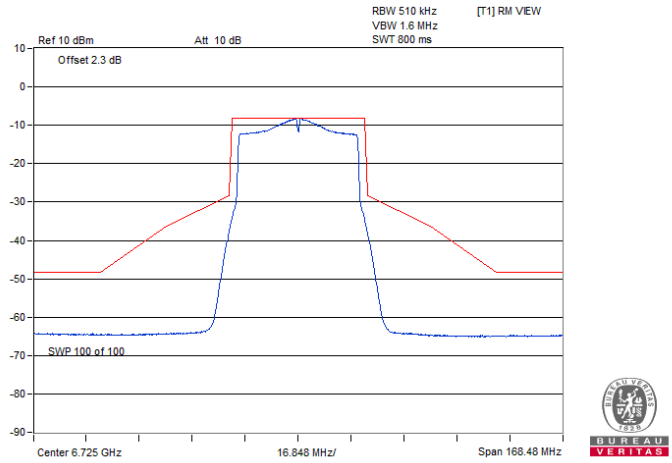
## 802.11ax (HE40)

| Spectrum Plot | |
|---|---|
|  |  |
| 802.11ax (HE40) : CH 3 | 802.11ax (HE40) : CH 43 |
|  |  |
| 802.11ax (HE40) : CH 91 | 802.11ax (HE40) : CH 99 |
|  |  |
| 802.11ax (HE40) : CH 107 | 802.11ax (HE40) : CH 115 |

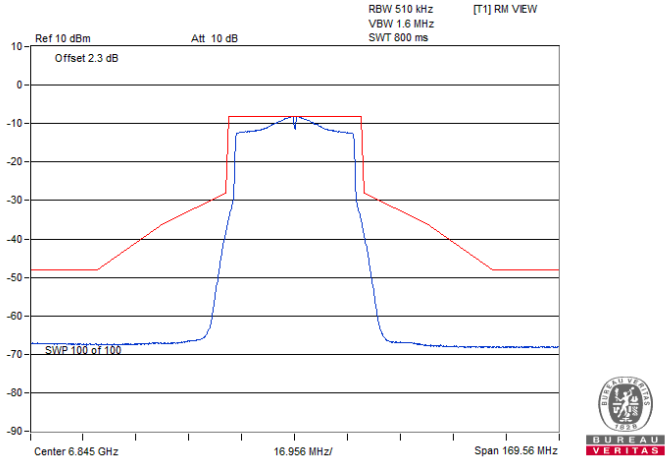
## Spectrum Plot



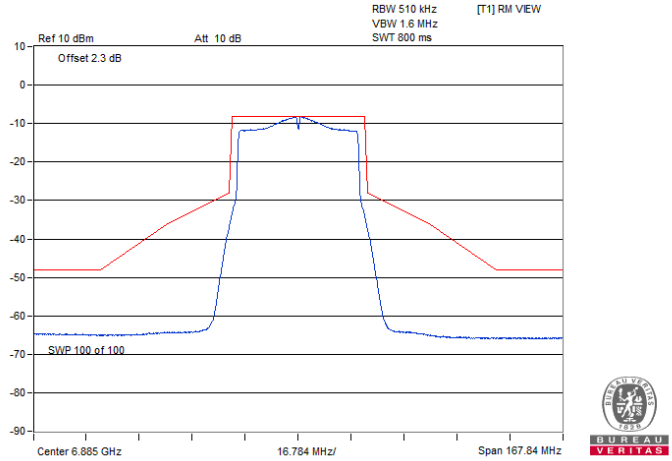

802.11ax (HE40) : CH 123



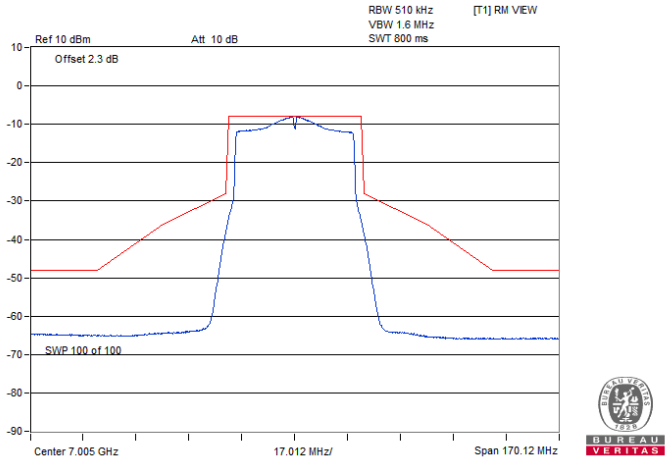

802.11ax (HE40) : CH 155



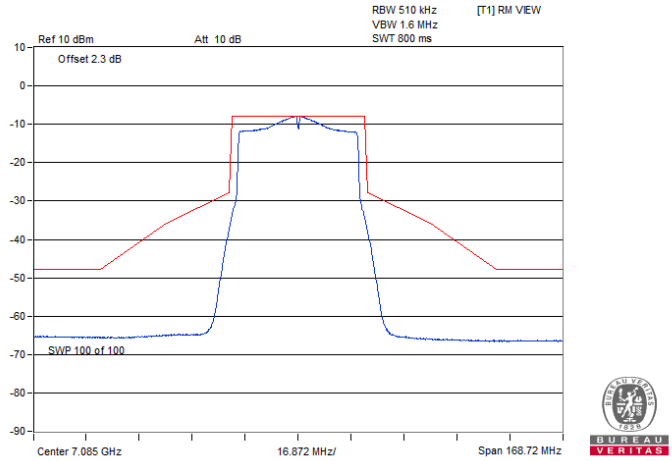

802.11ax (HE40) : CH 179




802.11ax (HE40) : CH 187

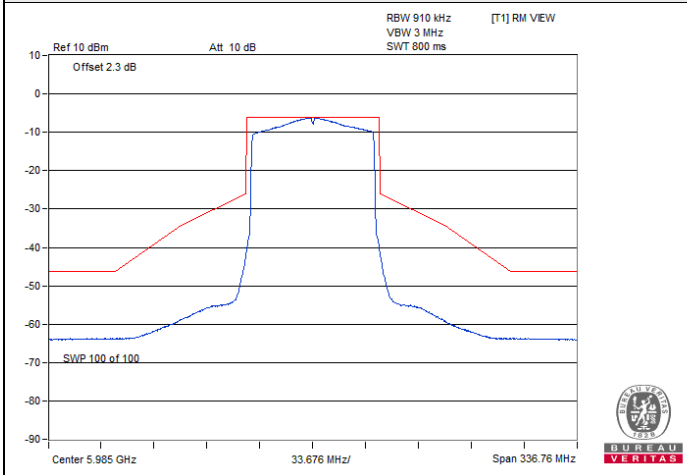
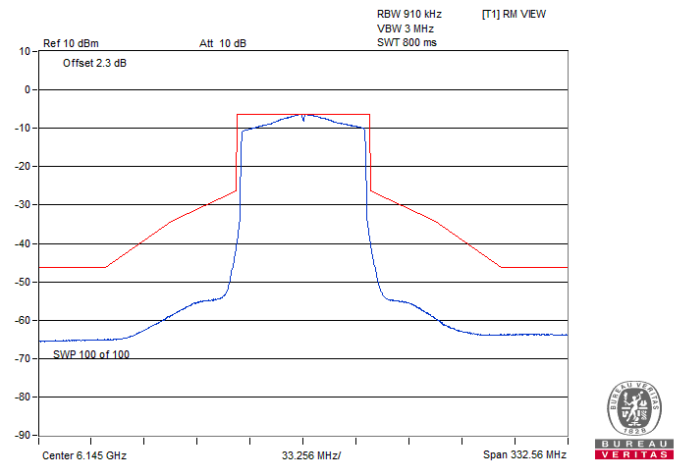
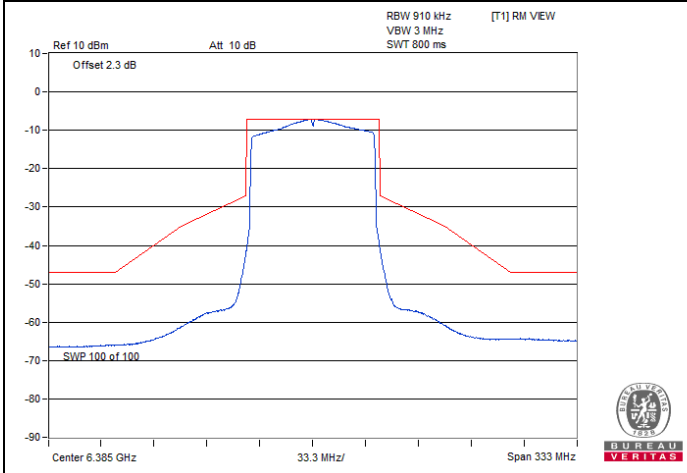
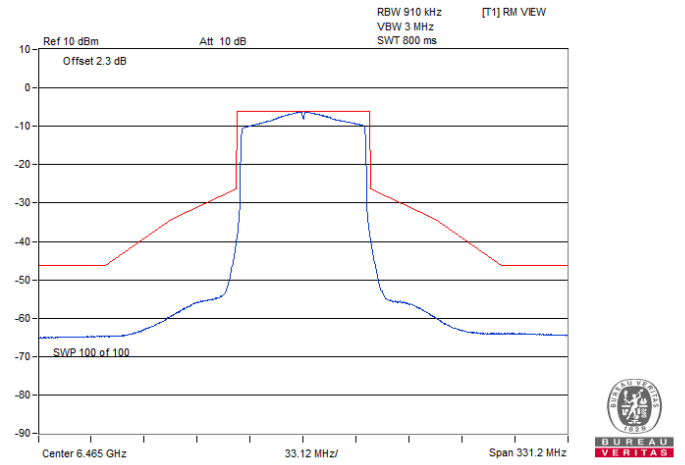
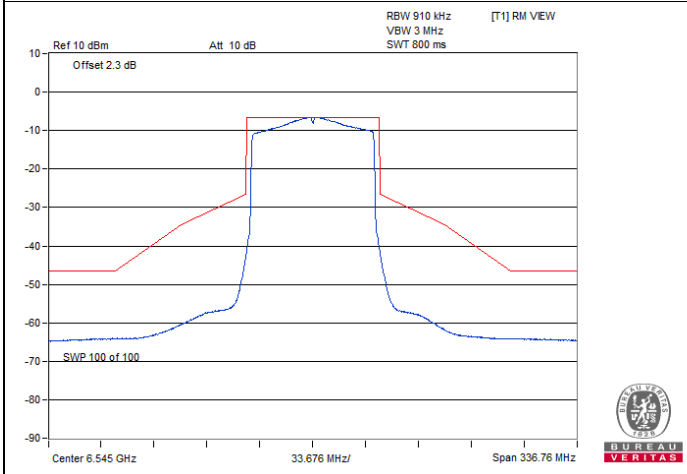
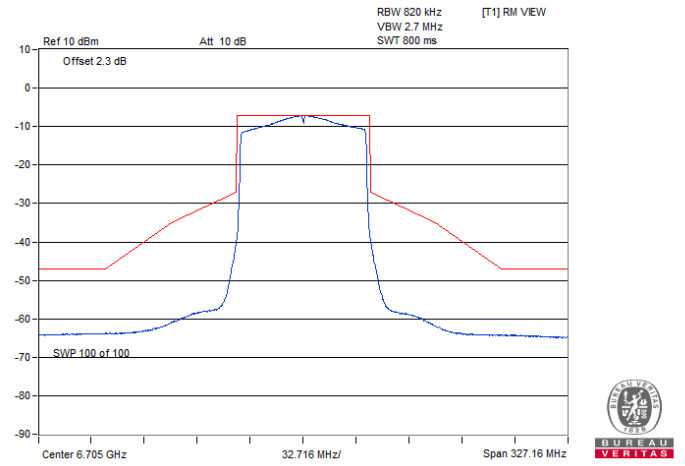



802.11ax (HE40) : CH 211

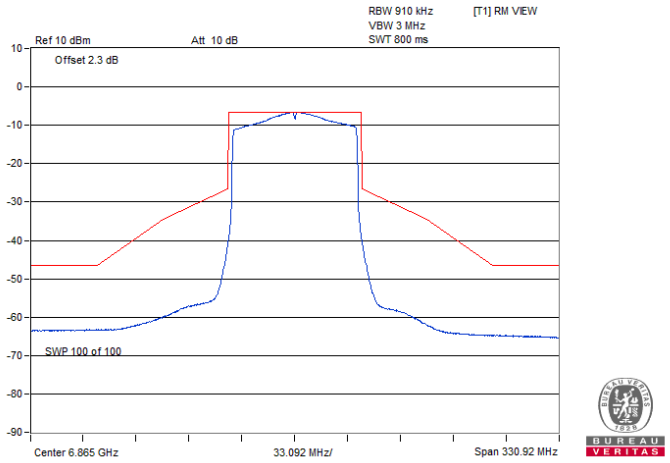



802.11ax (HE40) : CH 227

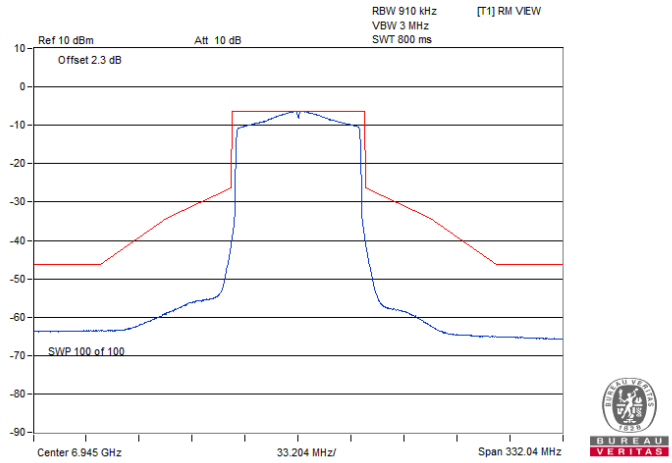
## 802.11ax (HE80)

| Spectrum Plot | |
|---|---|
|  |  |
| 802.11ax (HE80) : CH 7 | 802.11ax (HE80) : CH 39 |
|  |  |
| 802.11ax (HE80) : CH 87 | 802.11ax (HE80) : CH 103 |
|  |  |
| 802.11ax (HE80) : CH 119 | 802.11ax (HE80) : CH 151 |

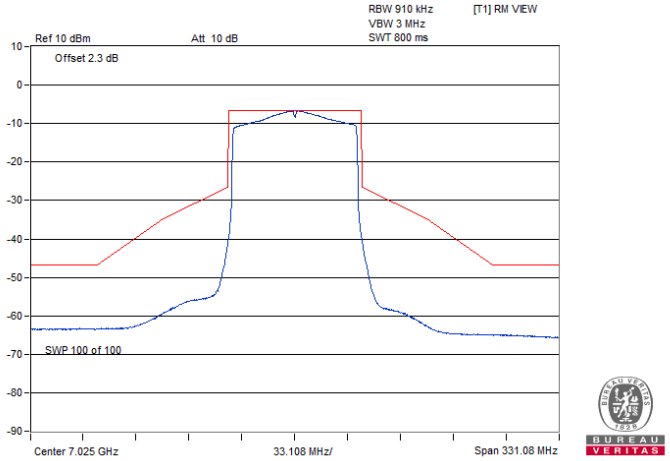
## Spectrum Plot




802.11ax (HE80) : CH 183

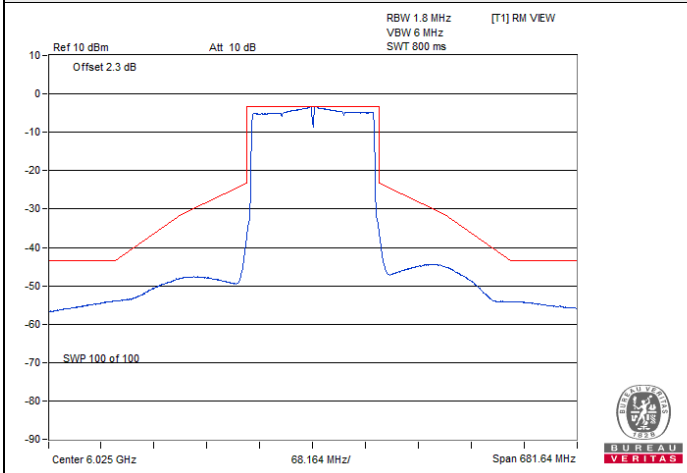
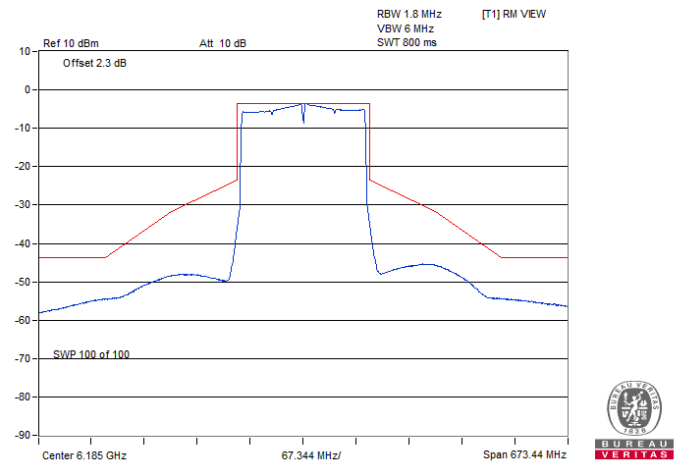
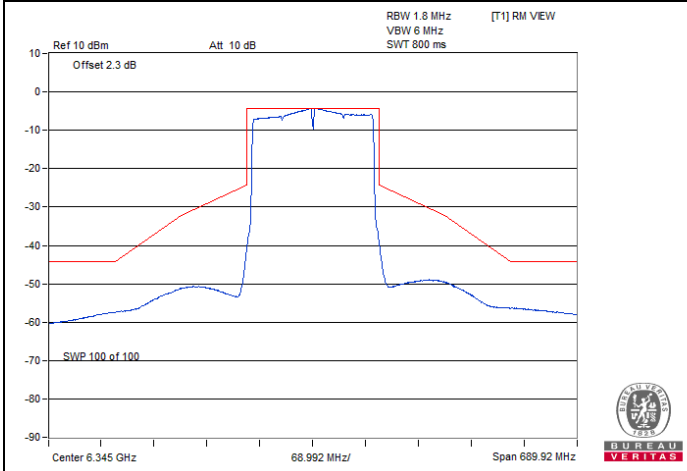
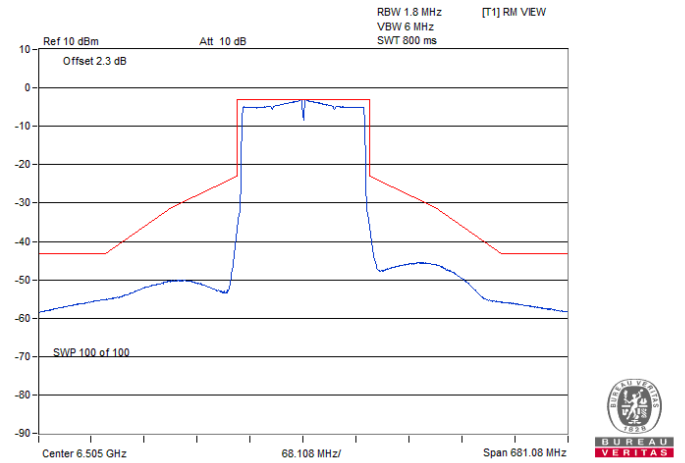
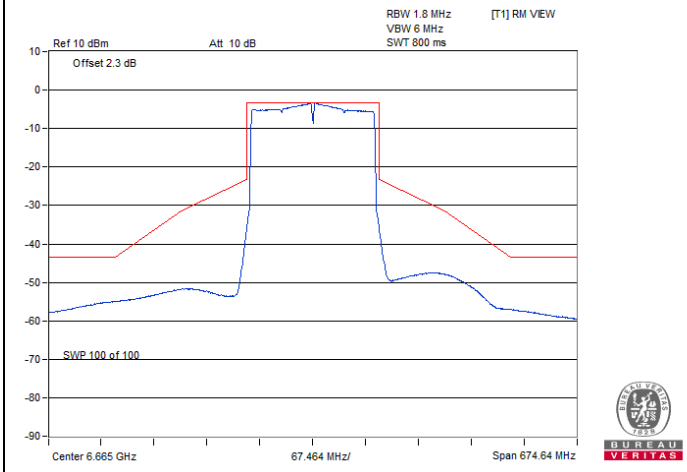
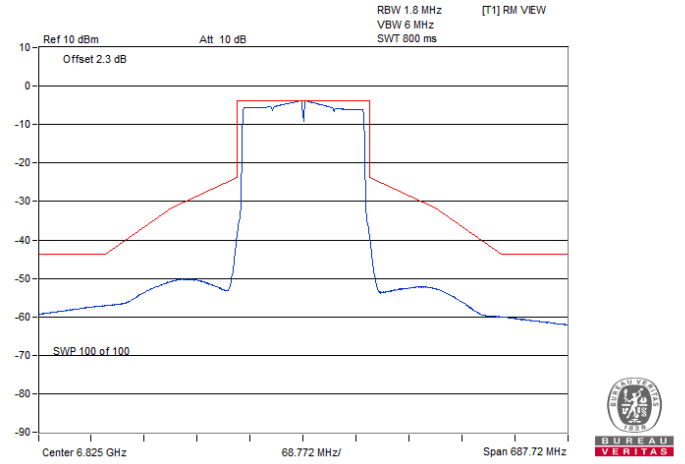



802.11ax (HE80) : CH 199

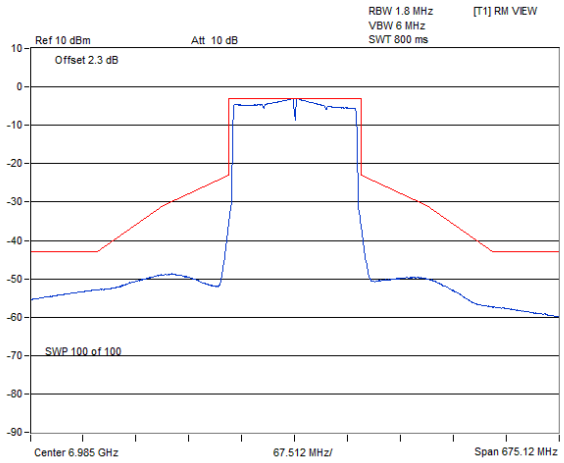



802.11ax (HE80) : CH 215

## 802.11ax (HE160)

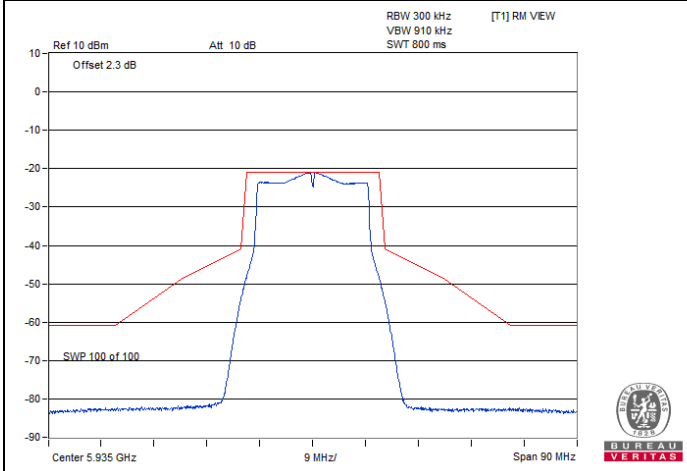
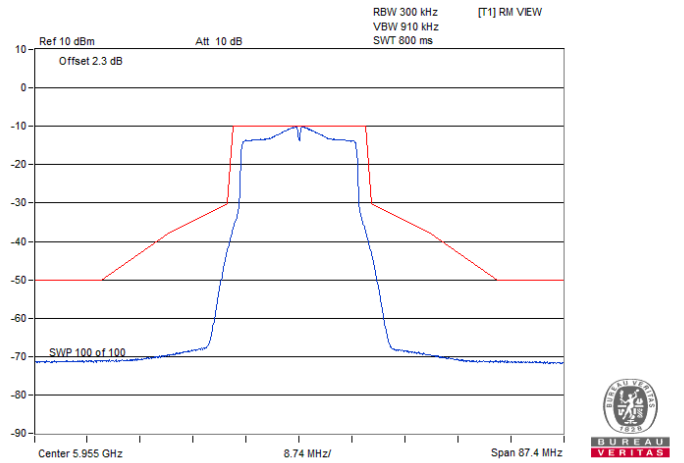
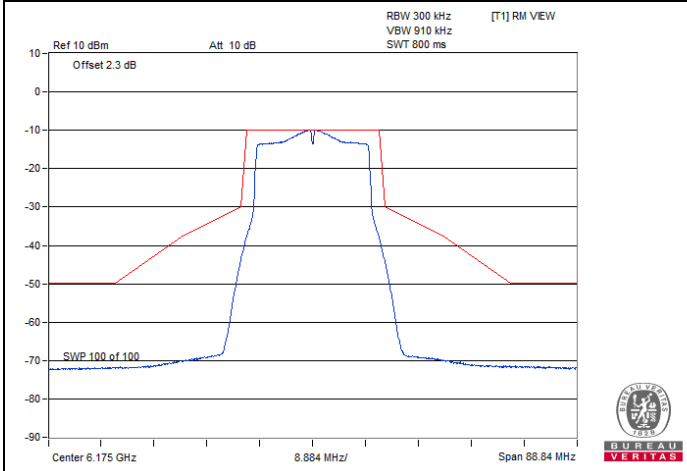
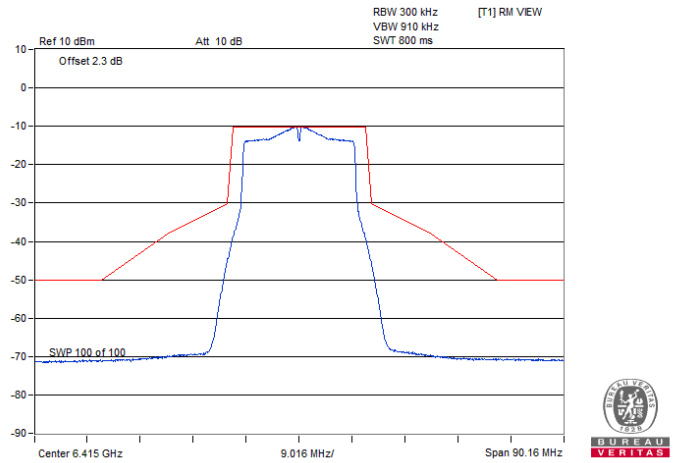
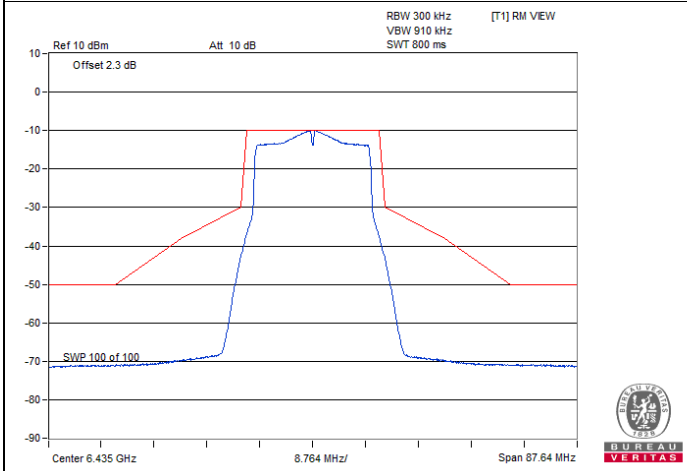
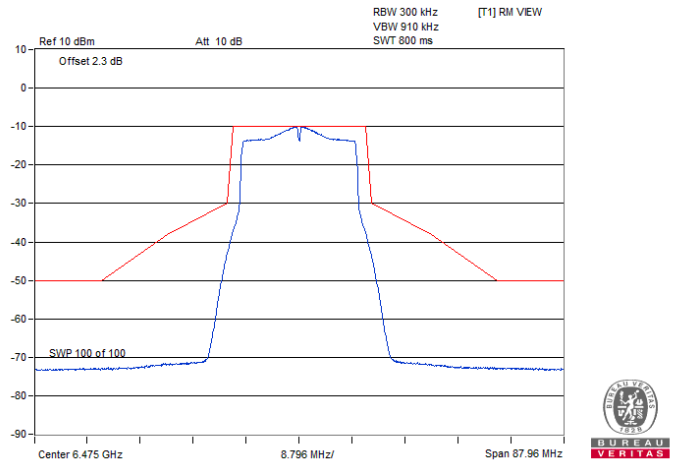
| Spectrum Plot | |
|---|---|
|  |  |
| 802.11ax (HE160) : CH 15 | 802.11ax (HE160) : CH 47 |
|  |  |
| 802.11ax (HE160) : CH 79 | 802.11ax (HE160) : CH 111 |
|  |  |
| 802.11ax (HE160) : CH 143 | 802.11ax (HE160) : CH 175 |

## Spectrum Plot

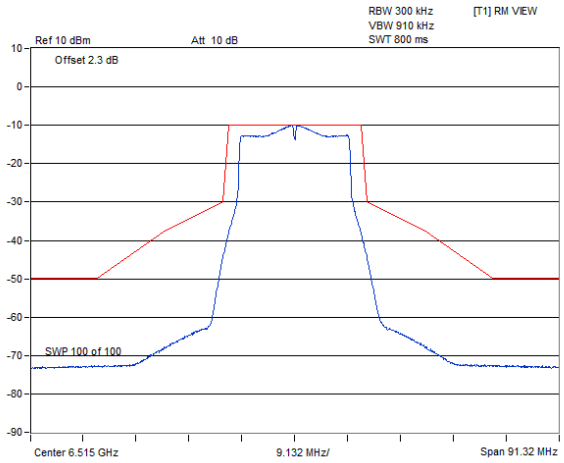



802.11ax (HE160) : CH 207

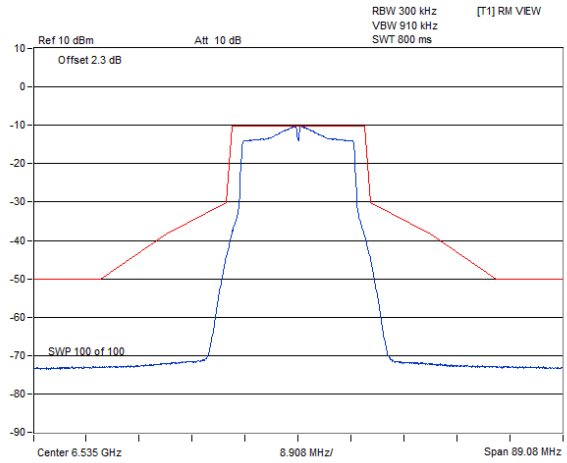
## 802.11be (EHT20)

| Spectrum Plot | |
|---|---|
|  |  |
| 802.11be (EHT20) : CH 2 | 802.11be (EHT20) : CH 1 |
|  |  |
| 802.11be (EHT20) : CH 45 | 802.11be (EHT20) : CH 93 |
|  |  |
| 802.11be (EHT20) : CH 97 | 802.11be (EHT20) : CH 105 |

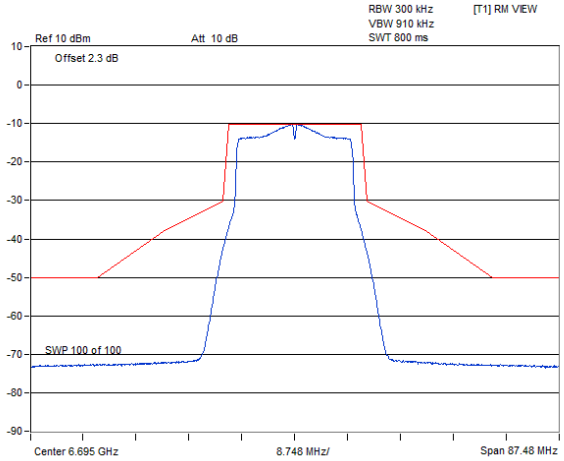
## Spectrum Plot



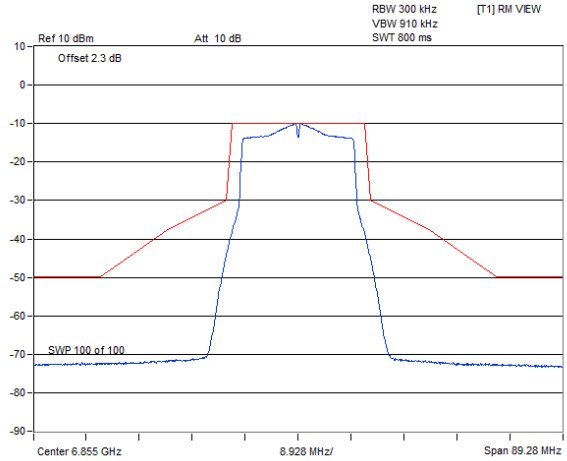

802.11be (EHT20) : CH 113



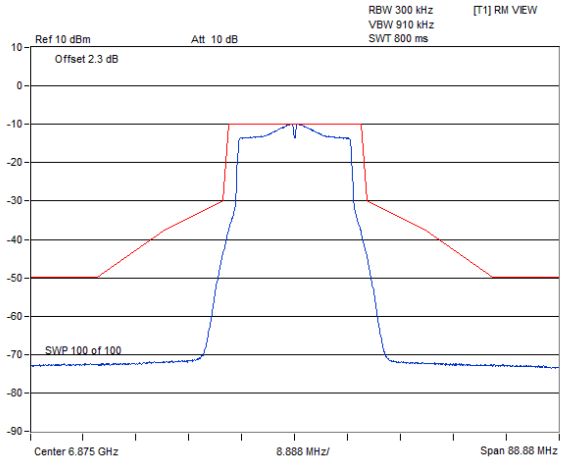

802.11be (EHT20) : CH 117



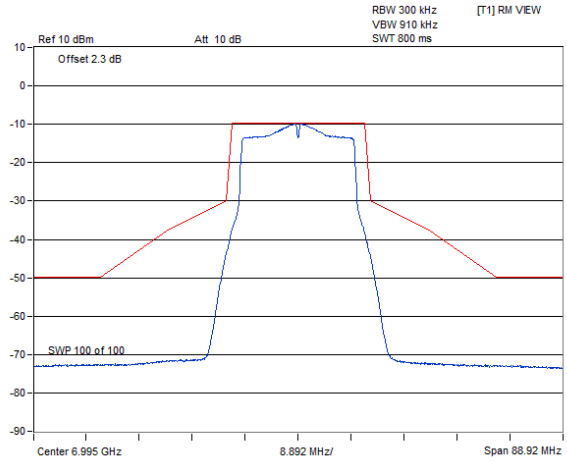

802.11be (EHT20) : CH 149




802.11be (EHT20) : CH 181

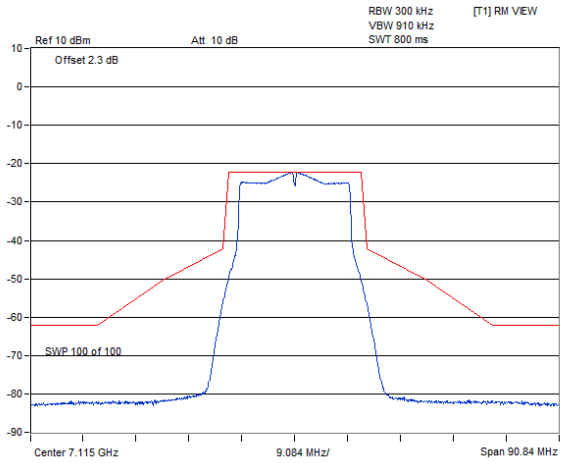



802.11be (EHT20) : CH 185



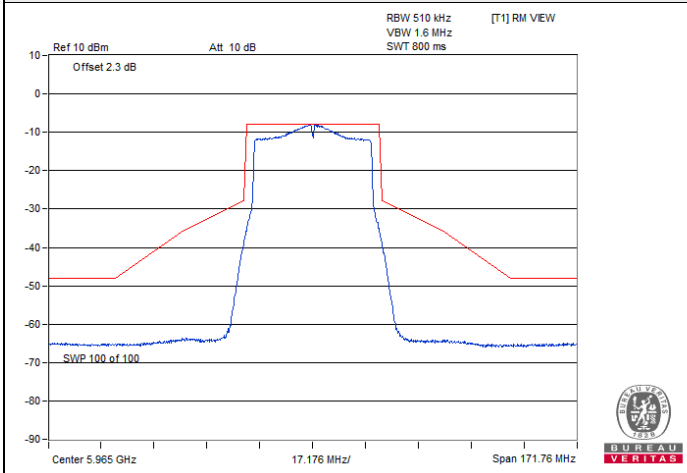
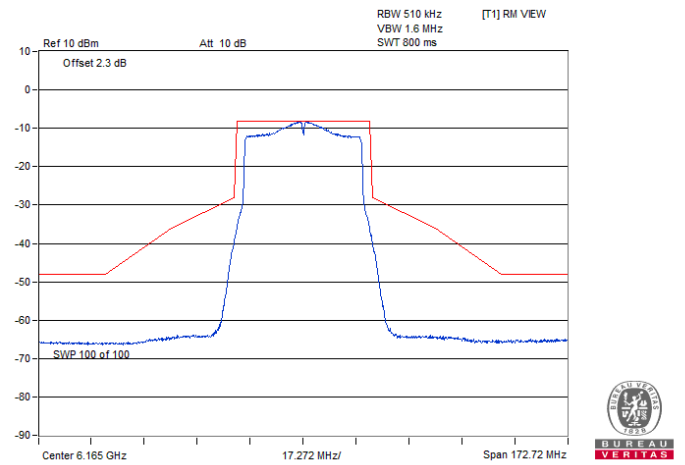
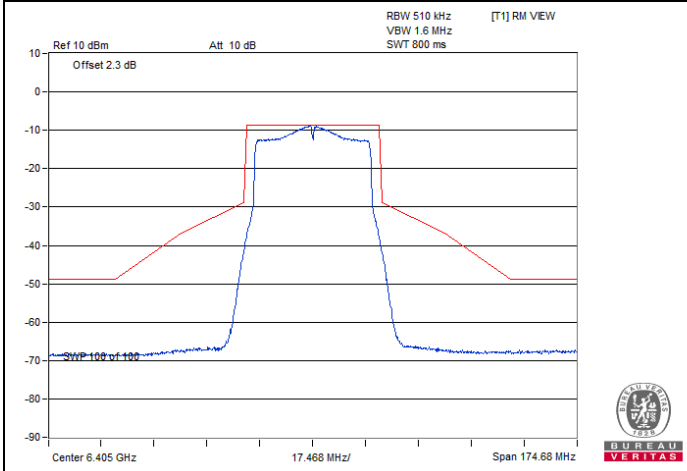
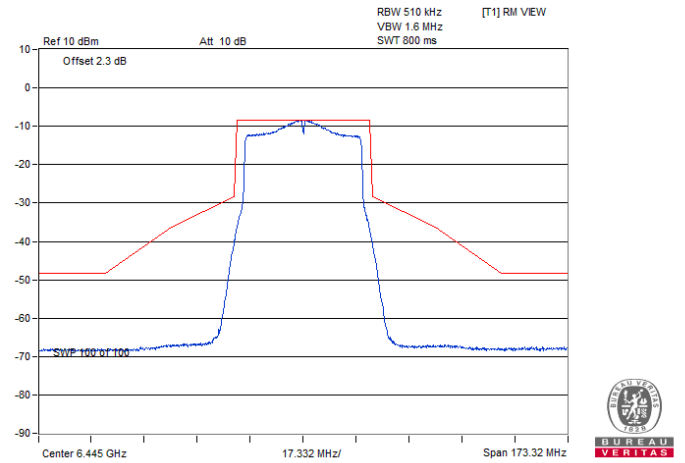
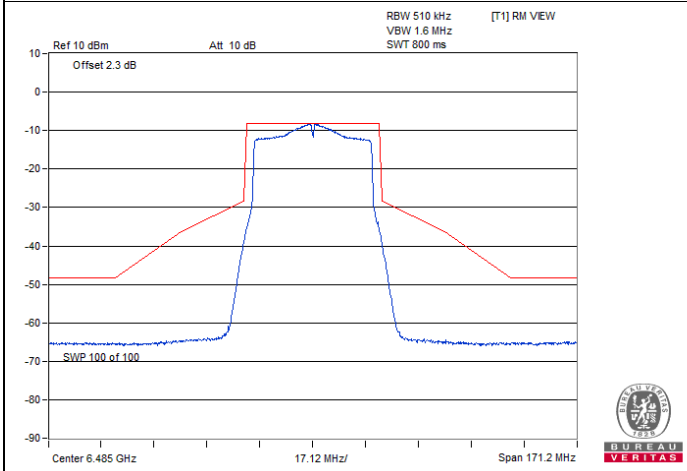
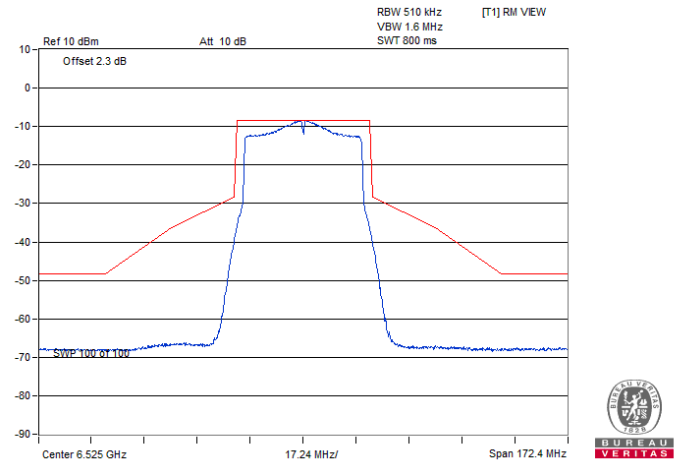

802.11be (EHT20) : CH 209

## Spectrum Plot

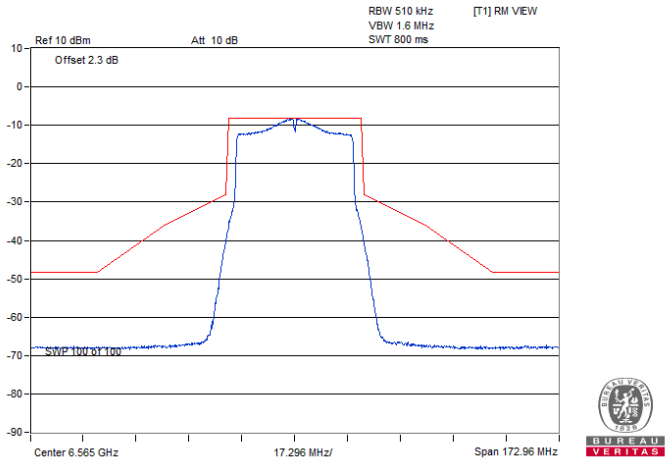



802.11be (EHT20) : CH 233

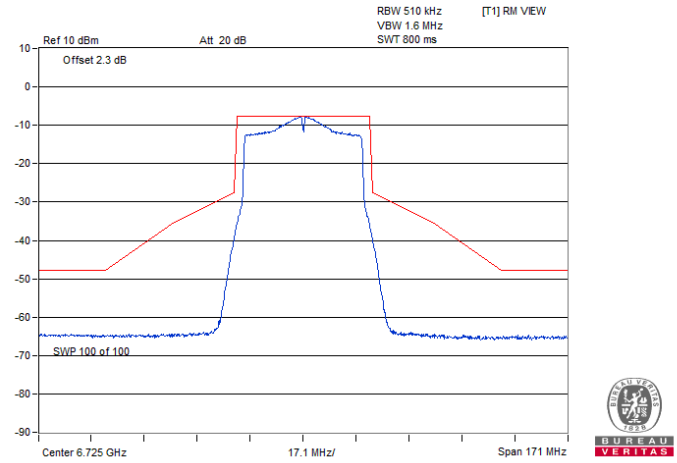
## 802.11be (EHT40)

| Spectrum Plot | |
|---|---|
|  |  |
| 802.11be (EHT40) : CH 3 | 802.11be (EHT40) : CH 43 |
|  |  |
| 802.11be (EHT40) : CH 91 | 802.11be (EHT40) : CH 99 |
|  |  |
| 802.11be (EHT40) : CH 107 | 802.11be (EHT40) : CH 115 |

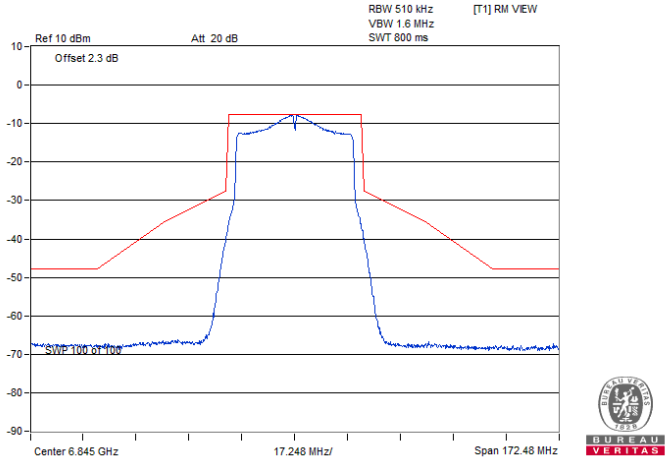
## Spectrum Plot



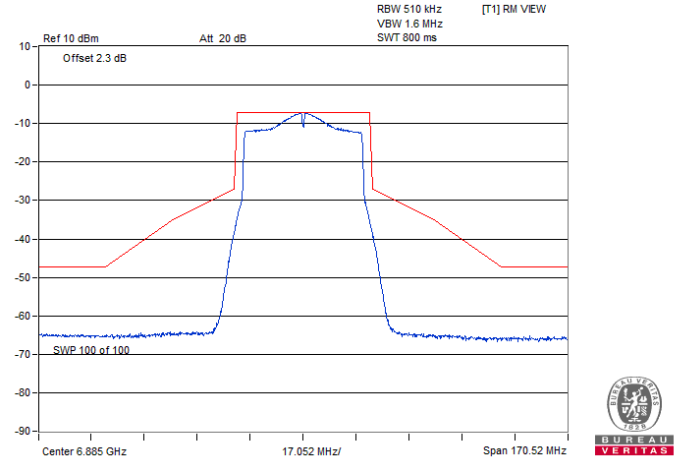

802.11be (EHT40) : CH 123



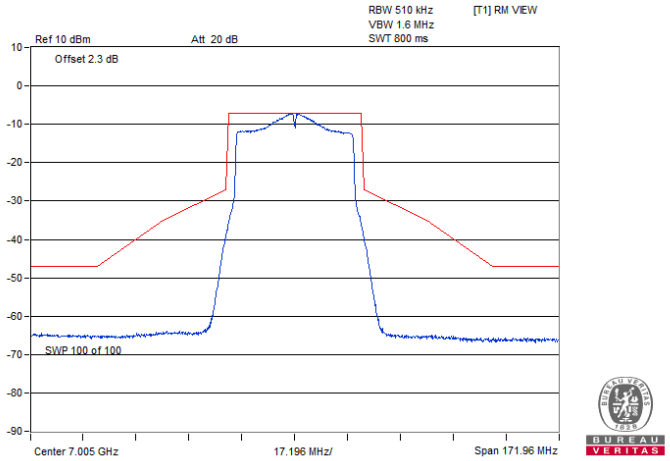

802.11be (EHT40) : CH 155



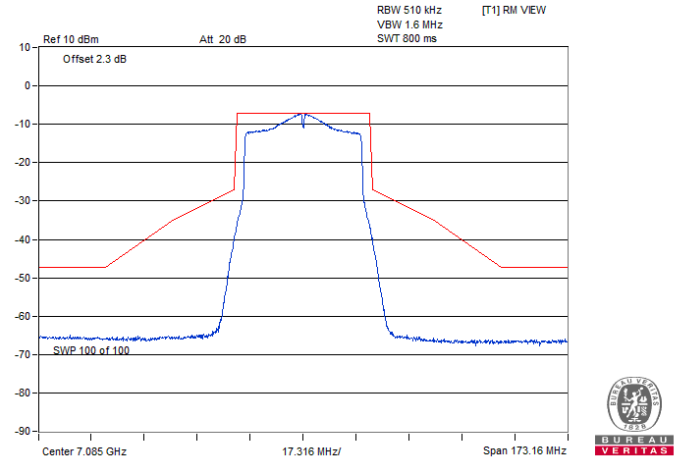

802.11be (EHT40) : CH 179




802.11be (EHT40) : CH 187

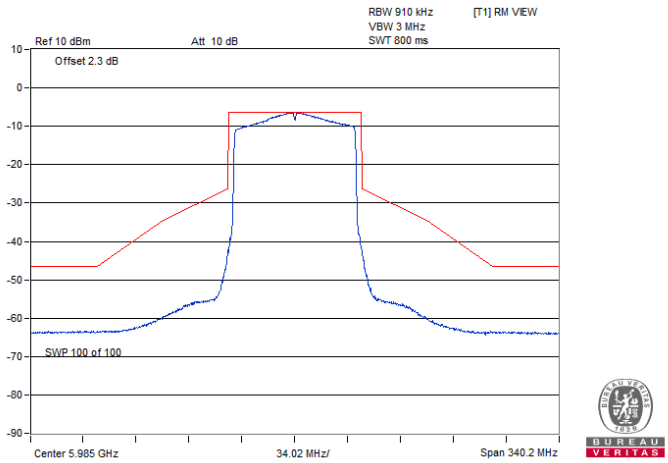
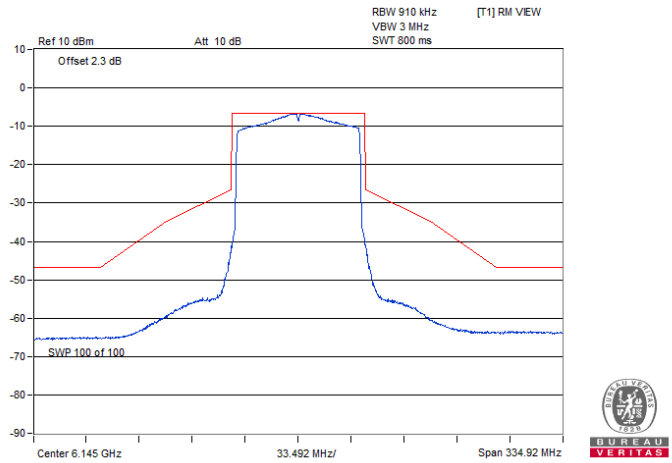
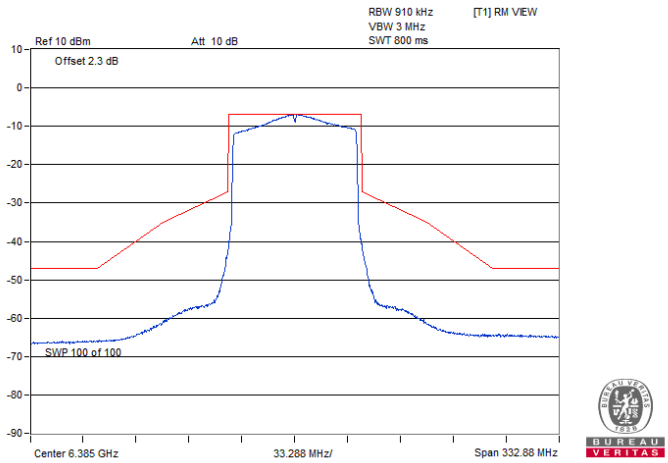
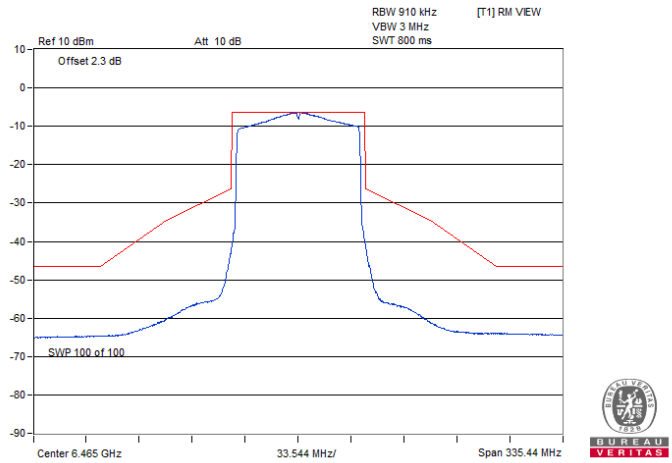
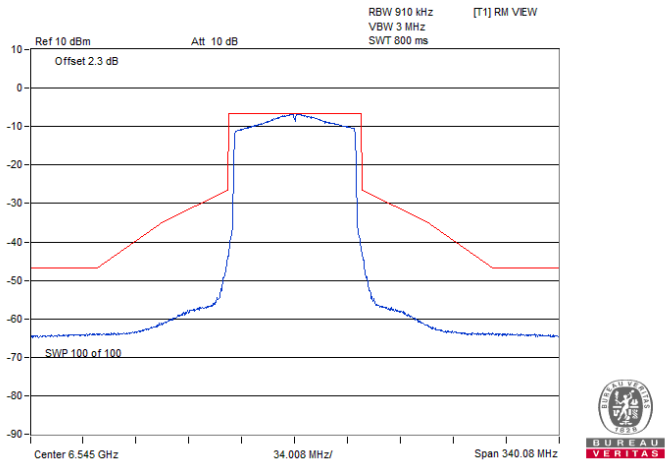
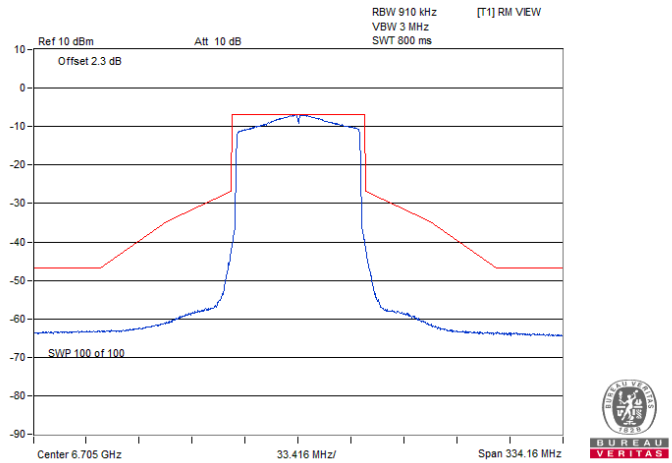



802.11be (EHT40) : CH 211

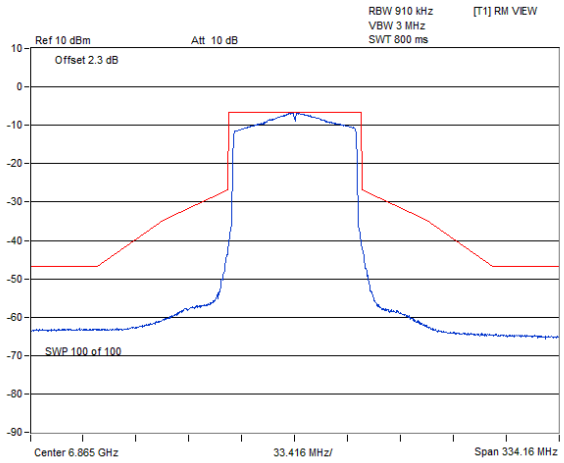



802.11be (EHT40) : CH 227

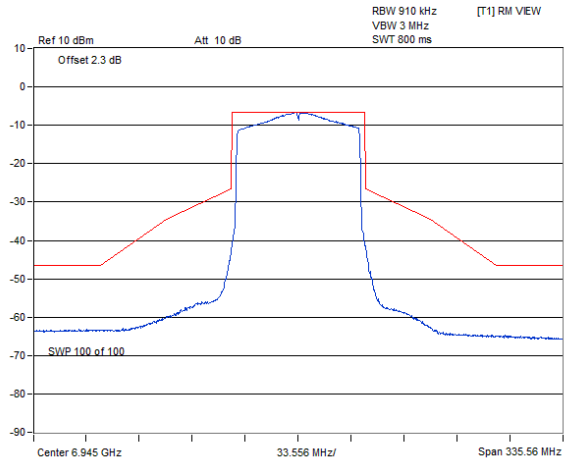
## 802.11be (EHT80)

| Spectrum Plot | |
|---|---|
|  |  |
| 802.11be (EHT80) : CH 7 | 802.11be (EHT80) : CH 39 |
|  |  |
| 802.11be (EHT80) : CH 87 | 802.11be (EHT80) : CH 103 |
|  |  |
| 802.11be (EHT80) : CH 119 | 802.11be (EHT80) : CH 151 |

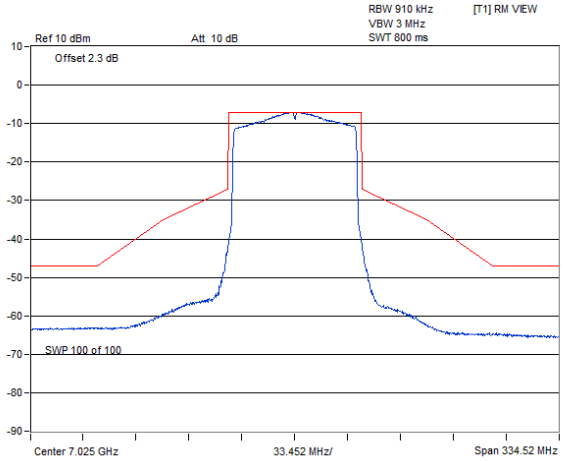
## Spectrum Plot




802.11be (EHT80) : CH 183

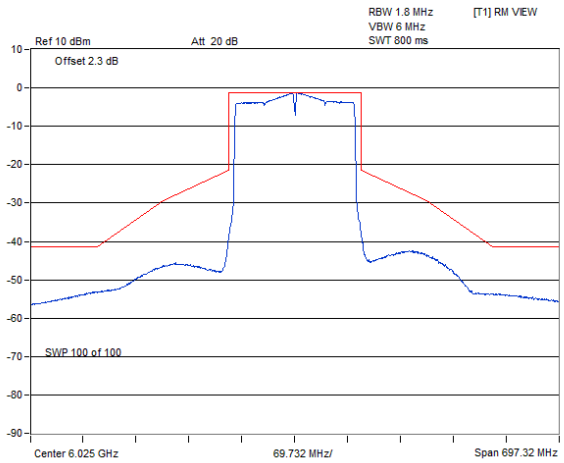
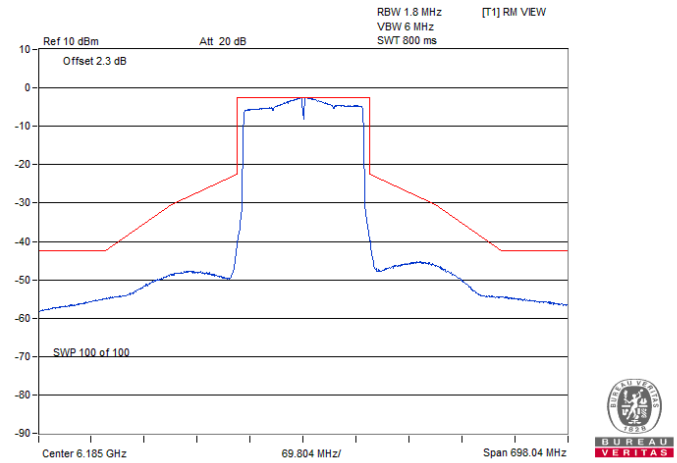
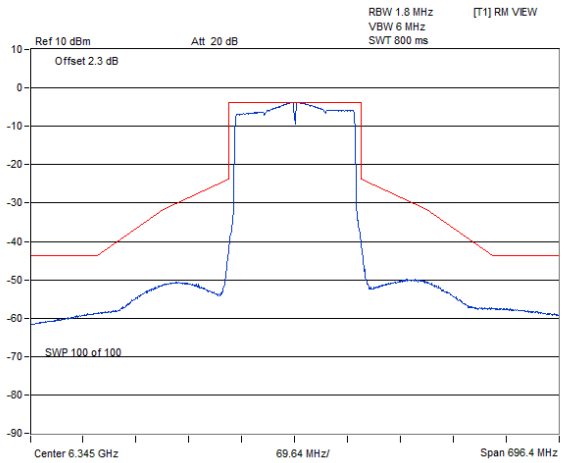
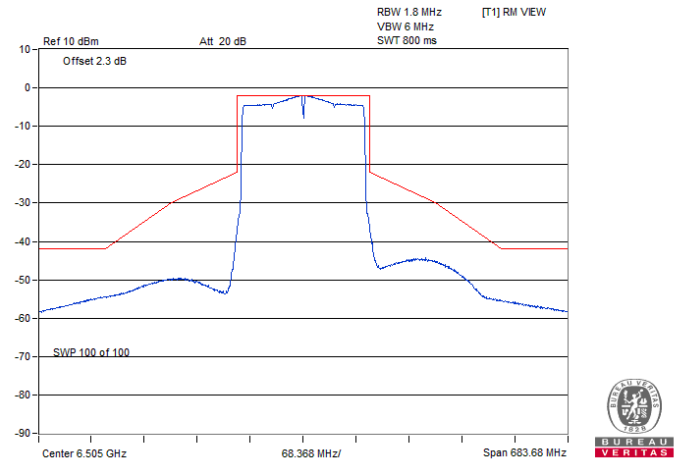
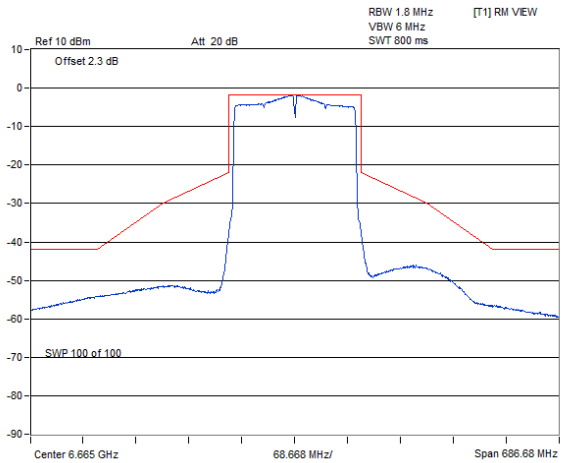
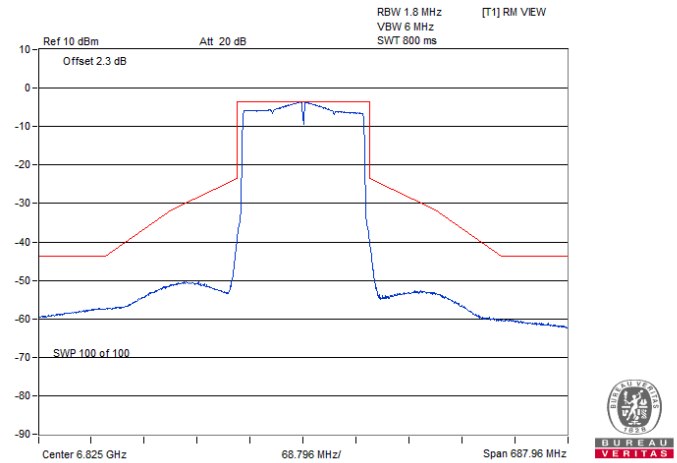



802.11be (EHT80) : CH 199

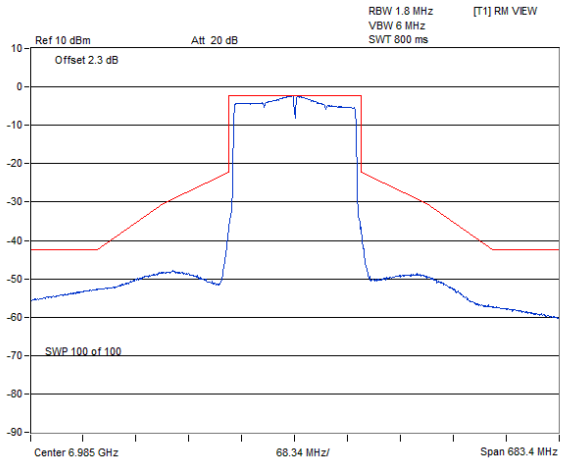



802.11be (EHT80) : CH 215

## 802.11be (EHT160)

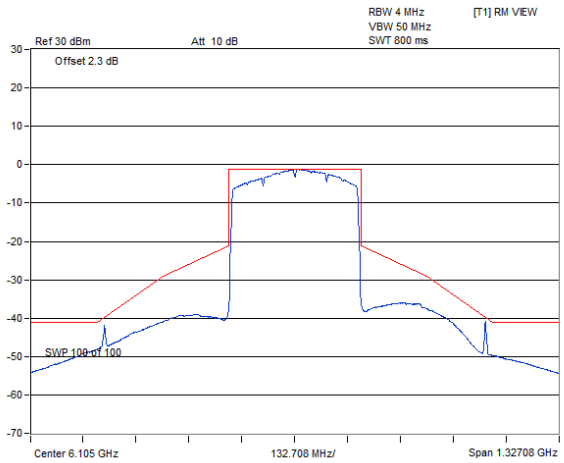
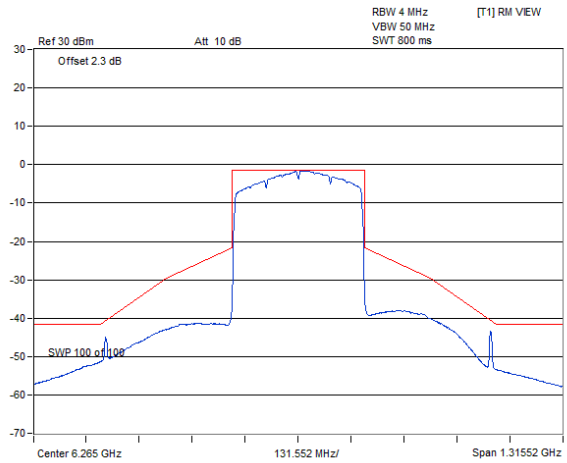
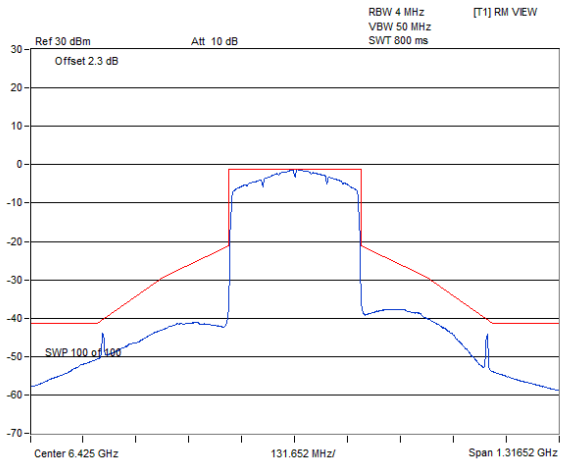
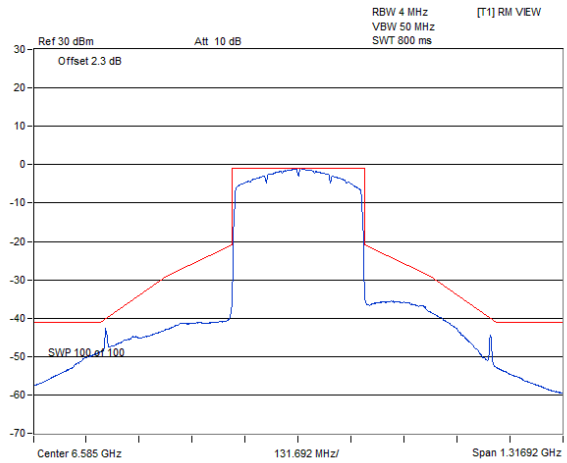
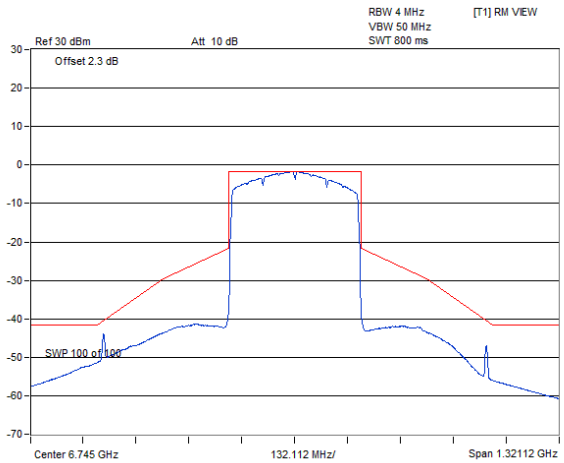
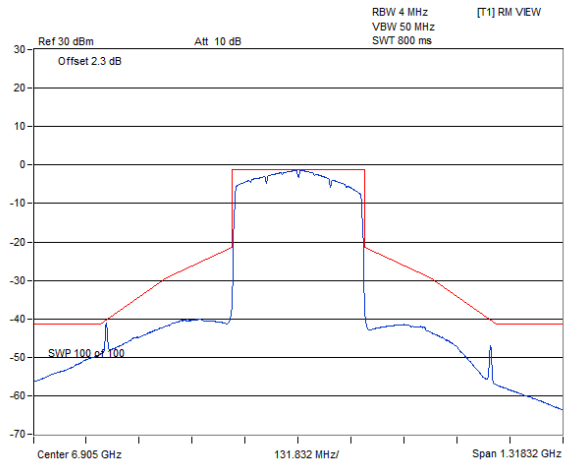
| Spectrum Plot | |
|---|---|
|  |  |
| 802.11be (EHT160) : CH 15 | 802.11be (EHT160) : CH 47 |
|  |  |
| 802.11be (EHT160) : CH 79 | 802.11be (EHT160) : CH 111 |
|  |  |
| 802.11be (EHT160) : CH 143 | 802.11be (EHT160) : CH 175 |

## Spectrum Plot



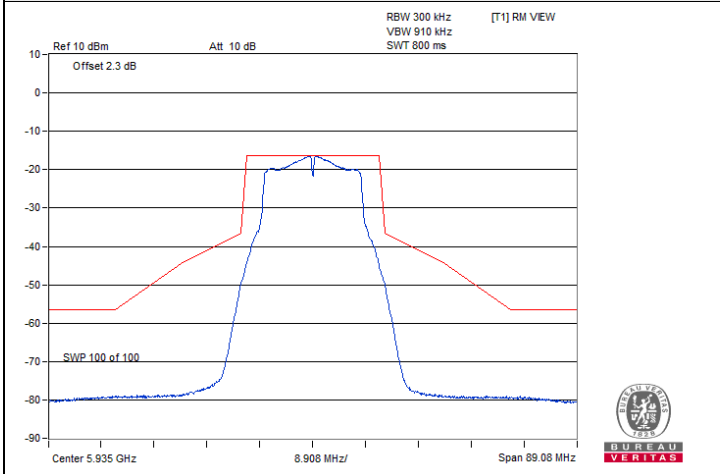
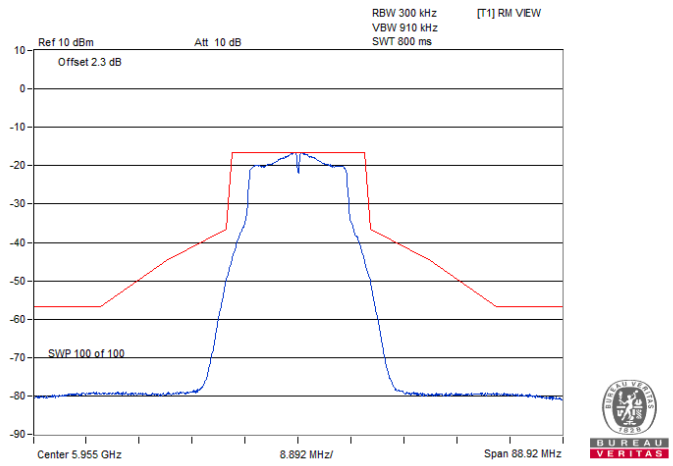
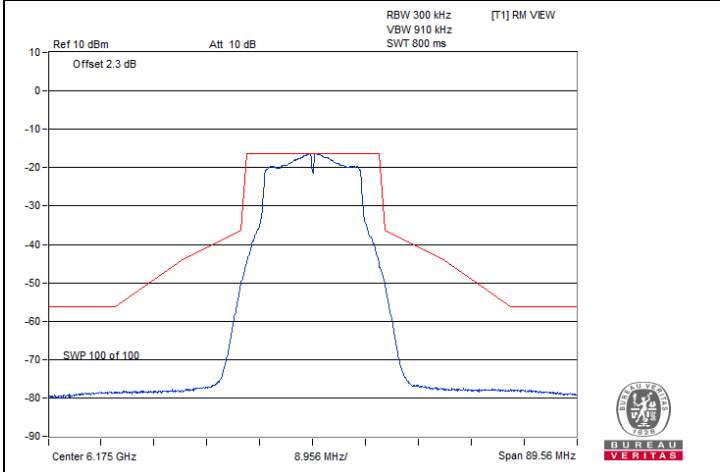
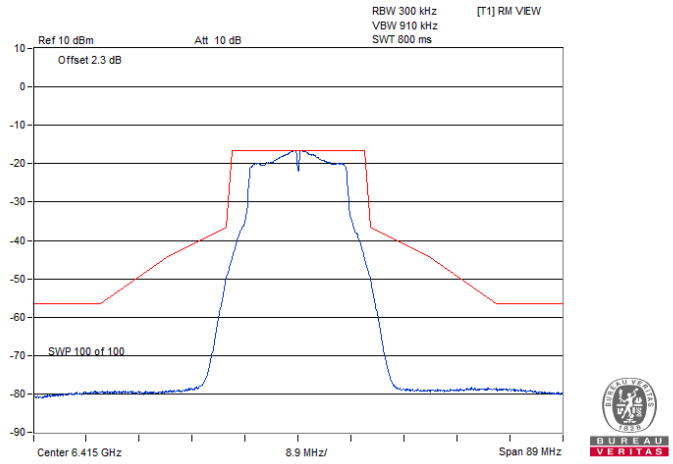
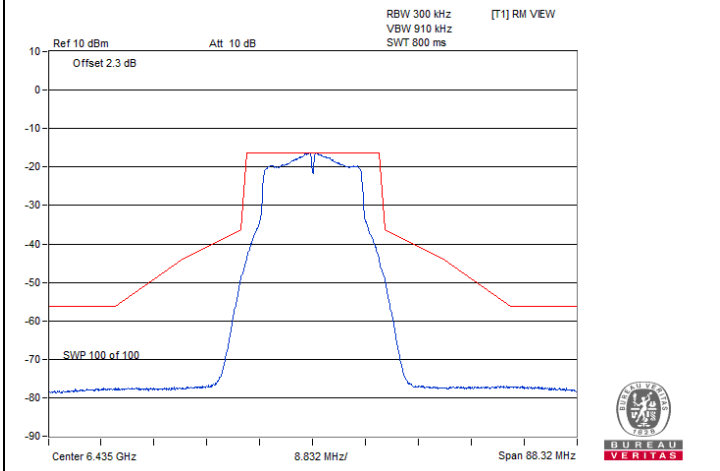
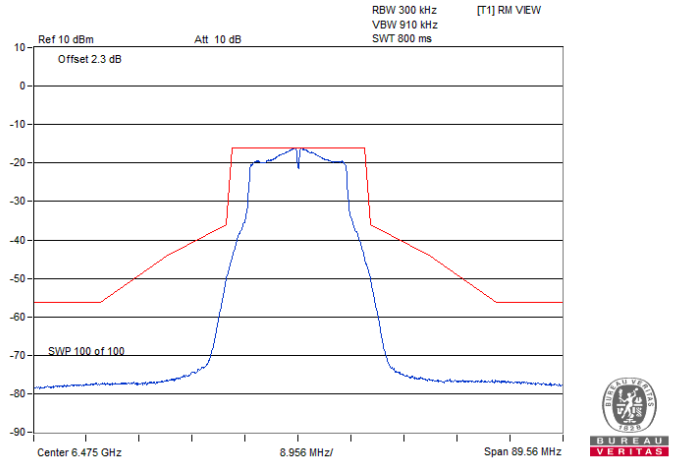

802.11be (EHT160) : CH 207

## 802.11be (EHT320)

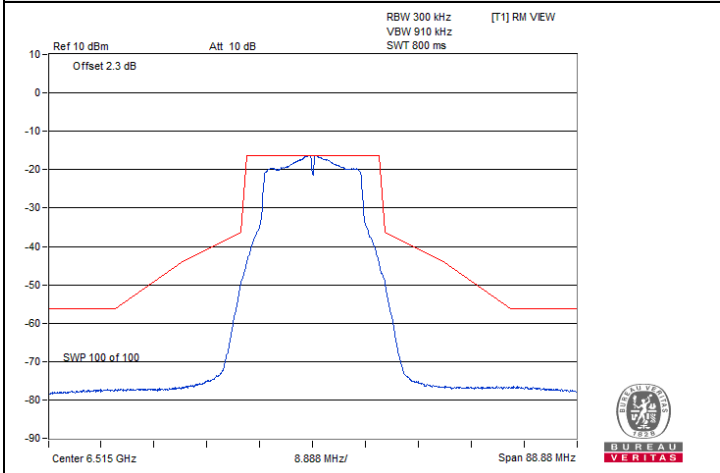
| Spectrum Plot | |
|---|---|
|  |  |
| 802.11be (EHT320) : CH 31 | 802.11be (EHT320) : CH 63 |
|  |  |
| 802.11be (EHT320) : CH 95 | 802.11be (EHT320) : CH 127 |
|  |  |
| 802.11be (EHT320) : CH 159 | 802.11be (EHT320) : CH 191 |

## 2Tx

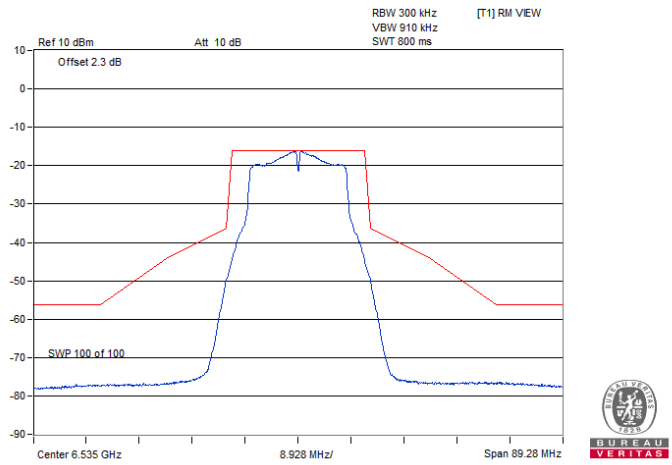
## 802.11a

| Spectrum Plot | |
|---|---|
|  |  |
| 802.11a / Chain 0 : CH 2 | 802.11a / Chain 0 : CH 1 |
|  |  |
| 802.11a / Chain 0 : CH 45 | 802.11a / Chain 0 : CH 93 |
|  |  |
| 802.11a / Chain 0 : CH 97 | 802.11a / Chain 0 : CH 105 |

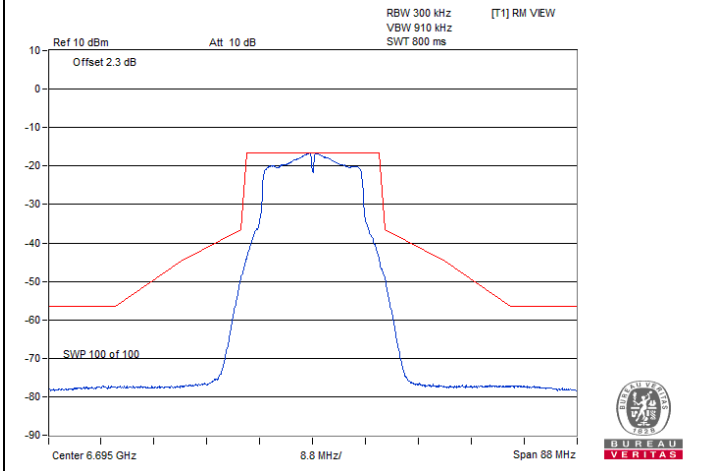
## Spectrum Plot



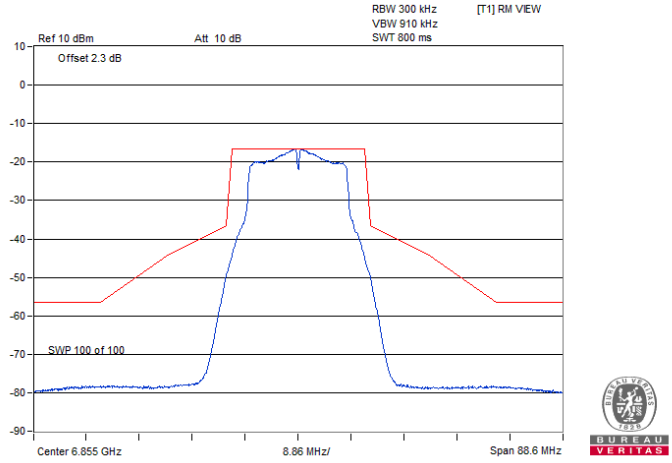

802.11a / Chain 0 : CH 113



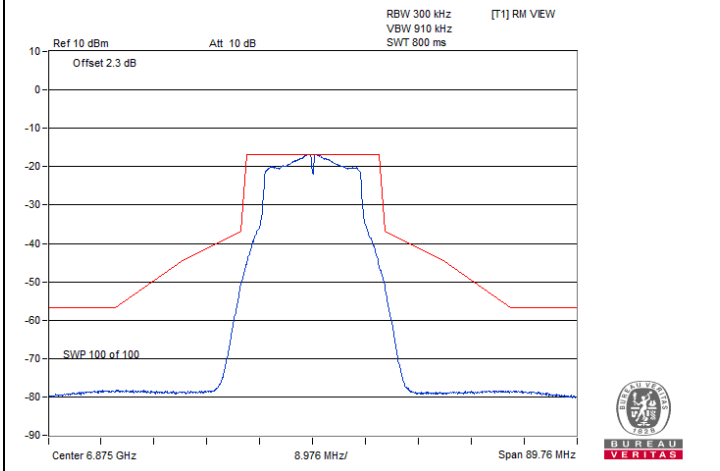

802.11a / Chain 0 : CH 117



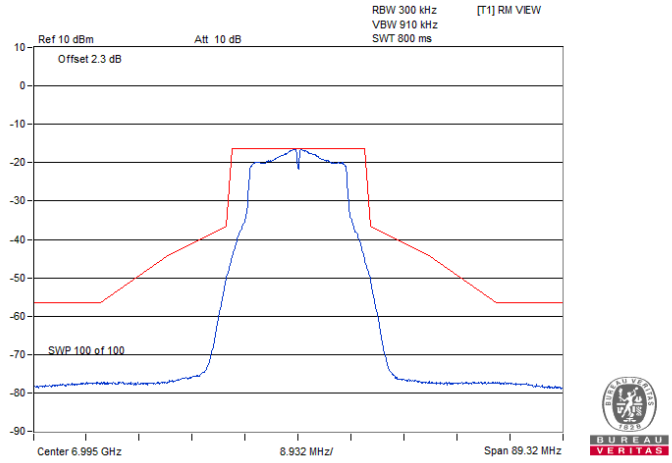

802.11a / Chain 0 : CH 149




802.11a / Chain 0 : CH 181

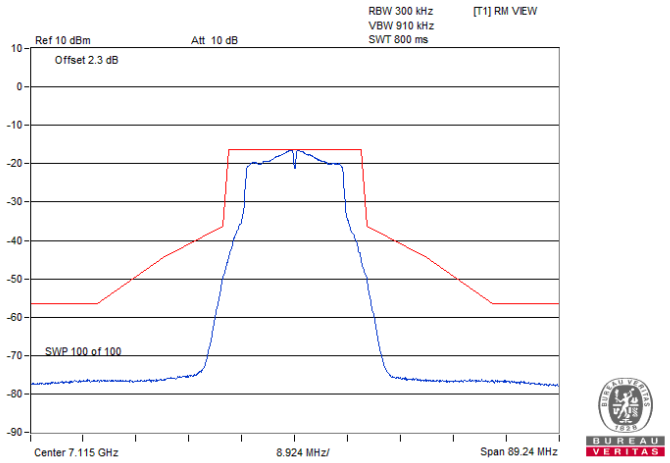



802.11a / Chain 0 : CH 185

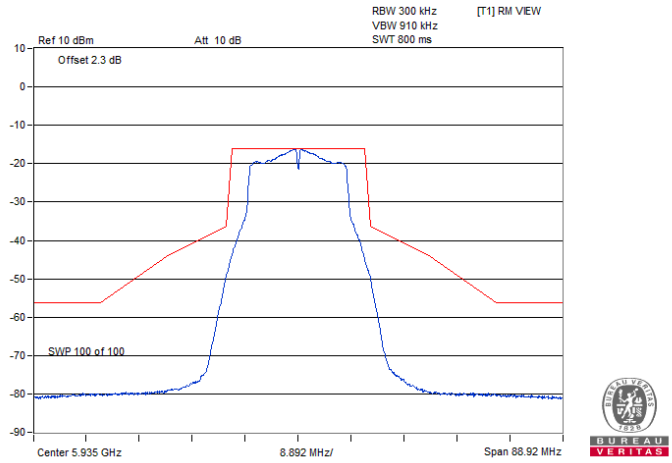



802.11a / Chain 0 : CH 209

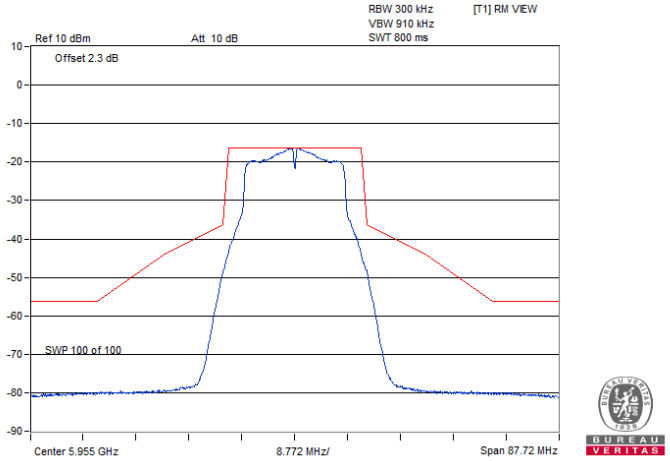
## Spectrum Plot



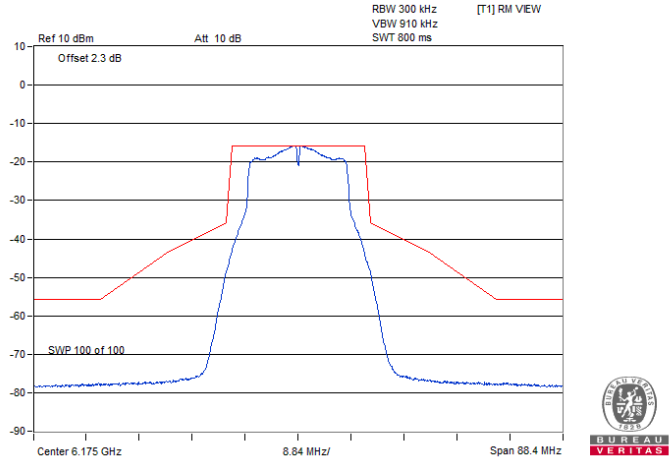

802.11a / Chain 0 : CH 233



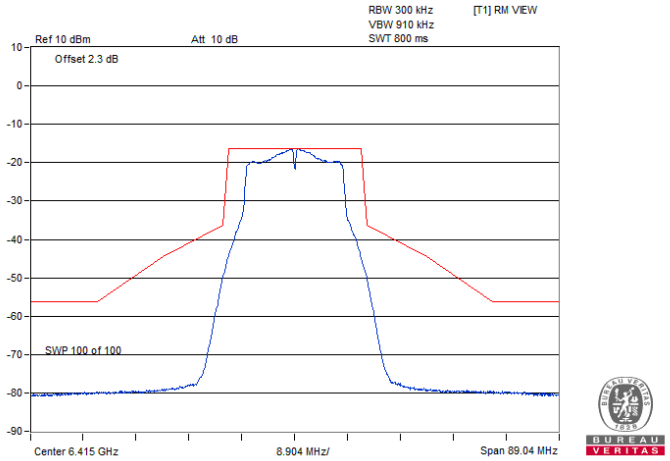

802.11a / Chain 1 : CH 2



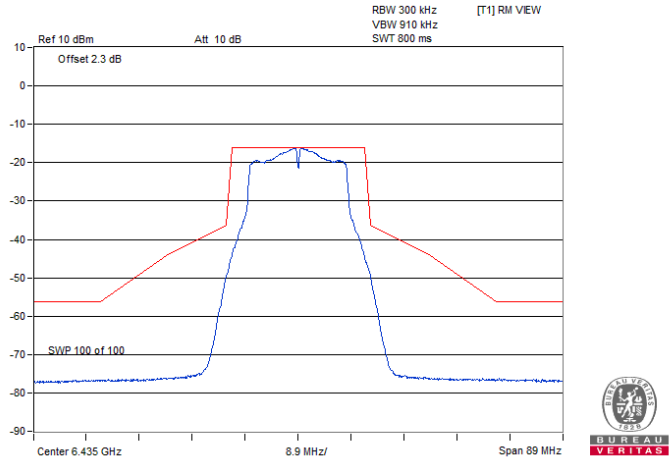

802.11a / Chain 1 : CH 1




802.11a / Chain 1 : CH 45

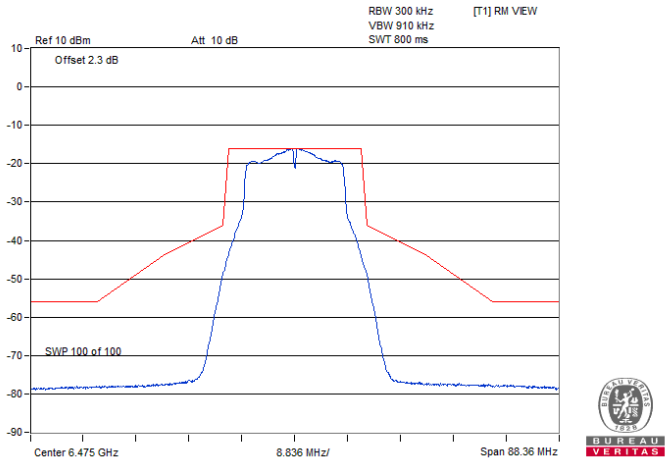



802.11a / Chain 1 : CH 93

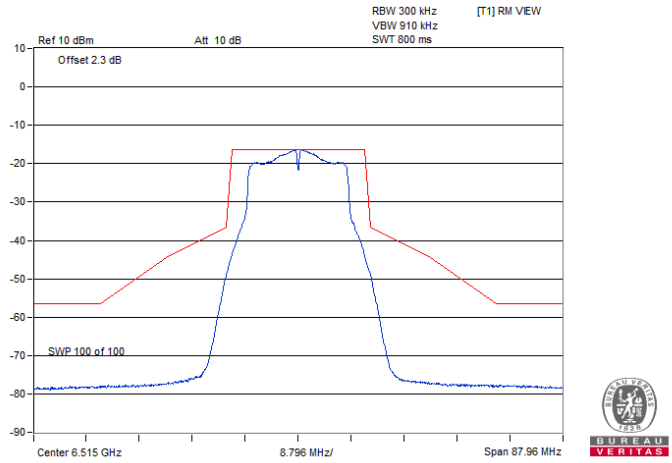



802.11a / Chain 1 : CH 97

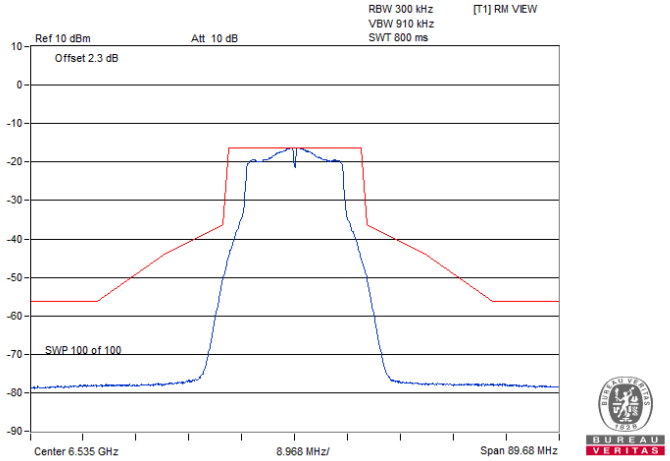
## Spectrum Plot



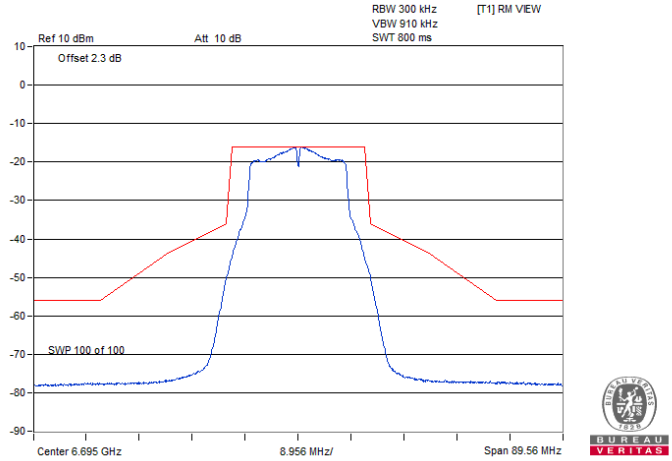

802.11a / Chain 1 : CH 105



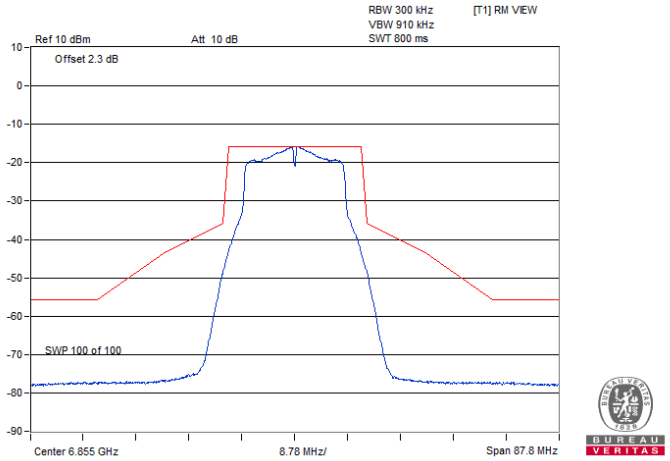

802.11a / Chain 1 : CH 113



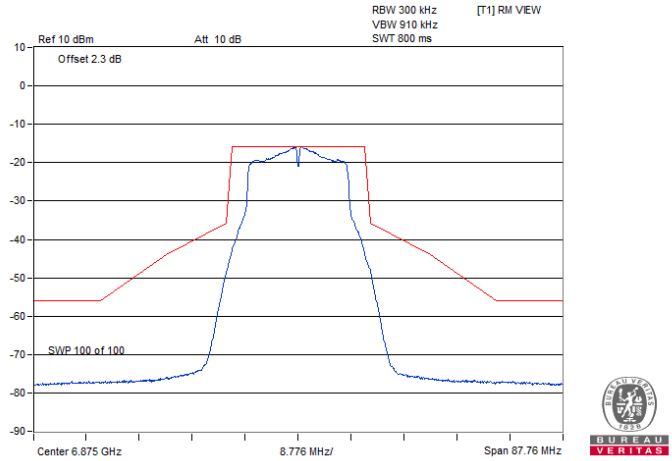

802.11a / Chain 1 : CH 117




802.11a / Chain 1 : CH 149

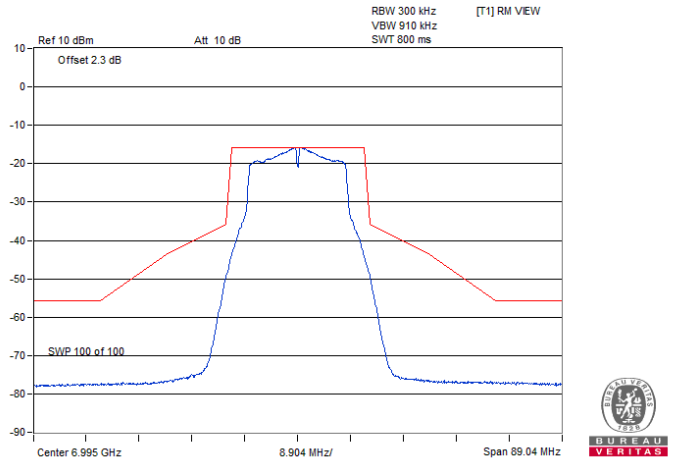



802.11a / Chain 1 : CH 181

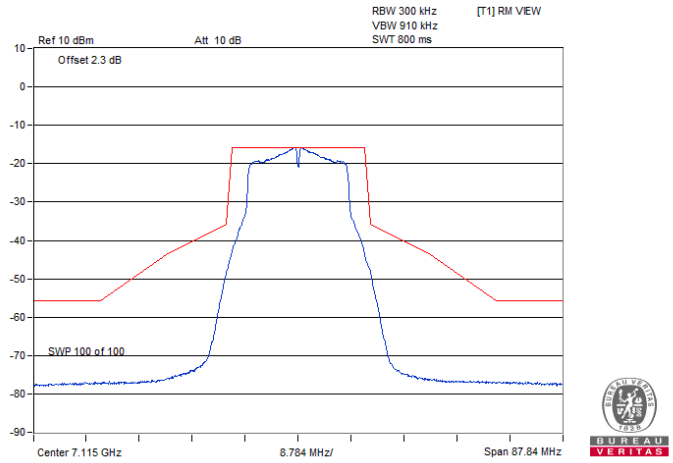



802.11a / Chain 1 : CH 185

## Spectrum Plot

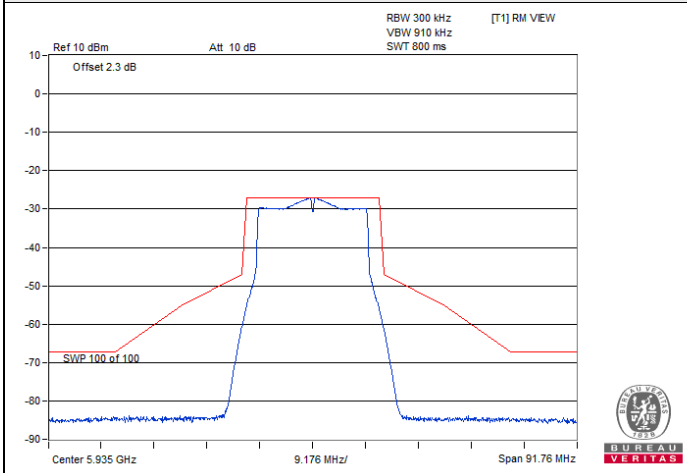
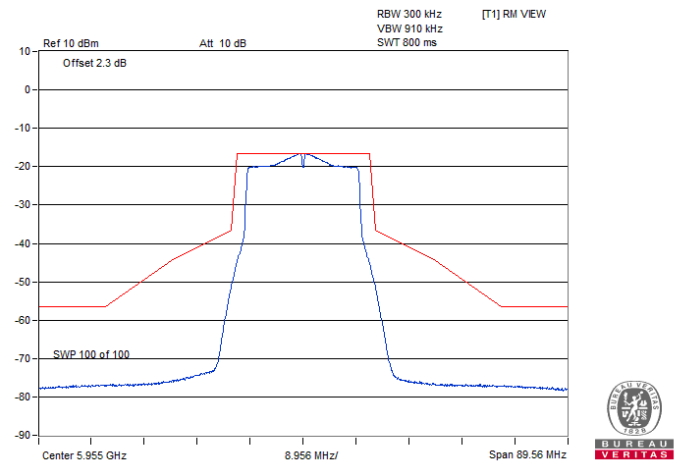
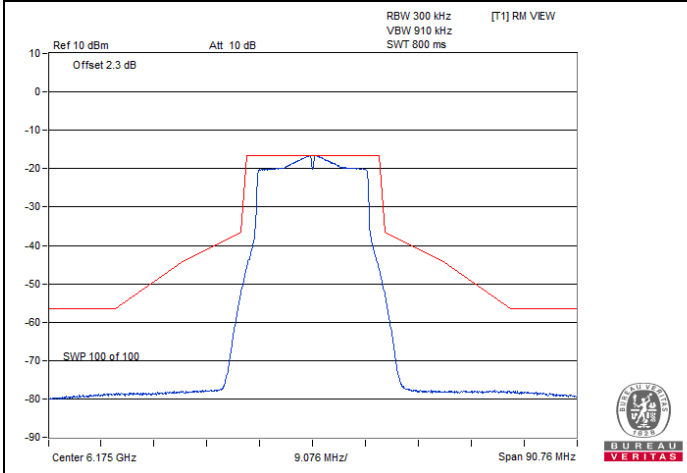
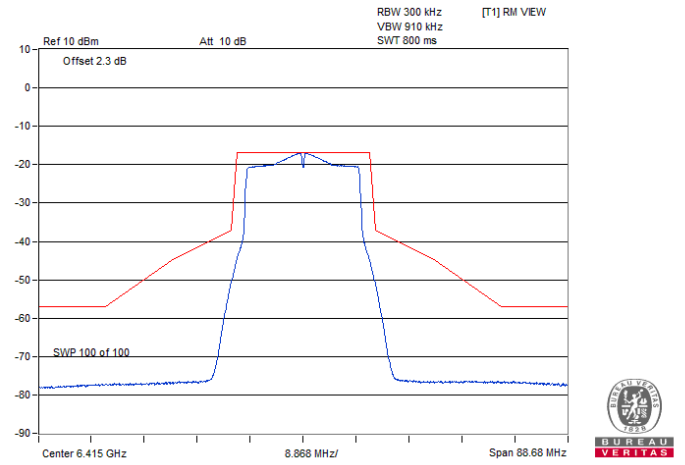
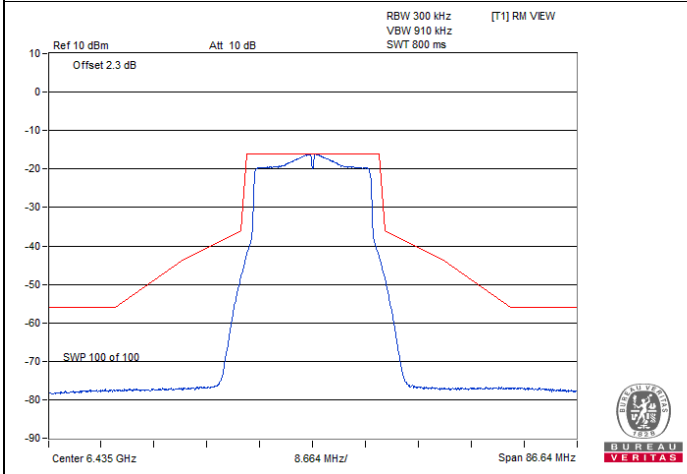
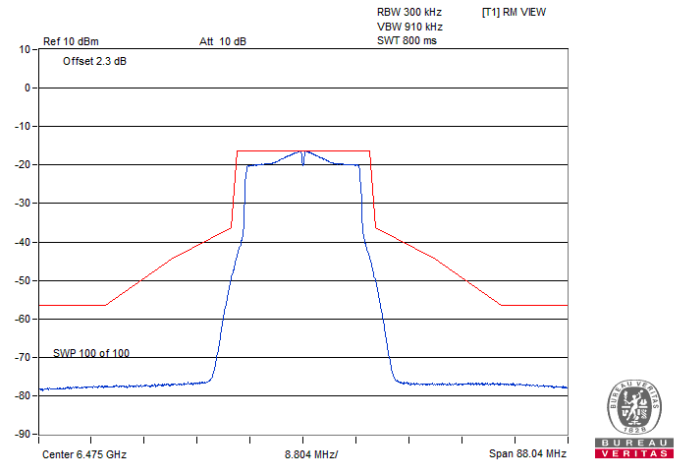



802.11a / Chain 1 : CH 209

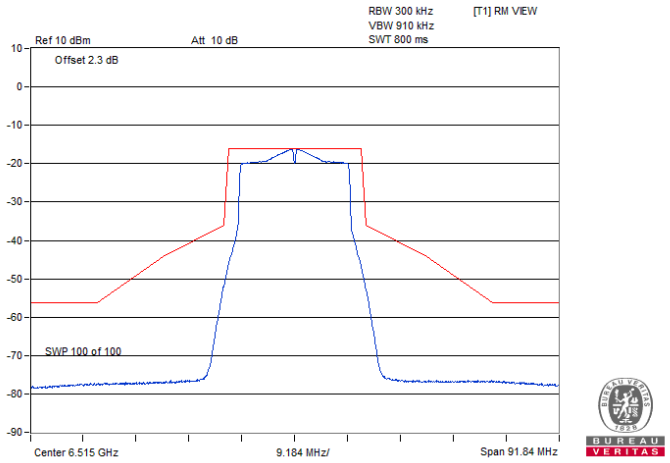



802.11a / Chain 1 : CH 233

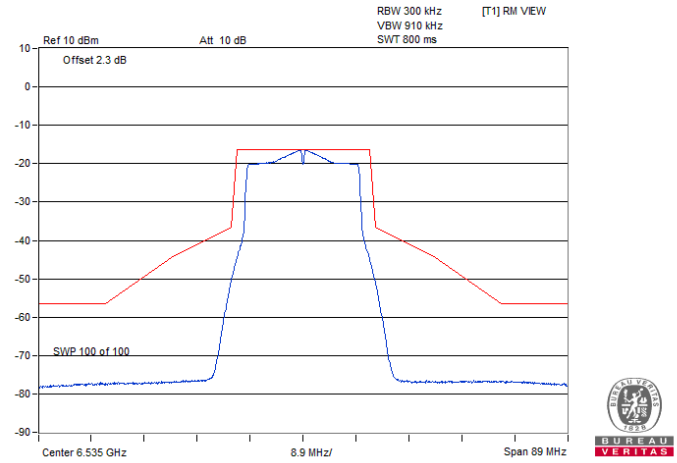
## 802.11ax (HE20)

| Spectrum Plot | |
|---|---|
|  |  |
| 802.11ax (HE20) / Chain 0 : CH 2 | 802.11ax (HE20) / Chain 0 : CH 1 |
|  |  |
| 802.11ax (HE20) / Chain 0 : CH 45 | 802.11ax (HE20) / Chain 0 : CH 93 |
|  |  |
| 802.11ax (HE20) / Chain 0 : CH 97 | 802.11ax (HE20) / Chain 0 : CH 105 |

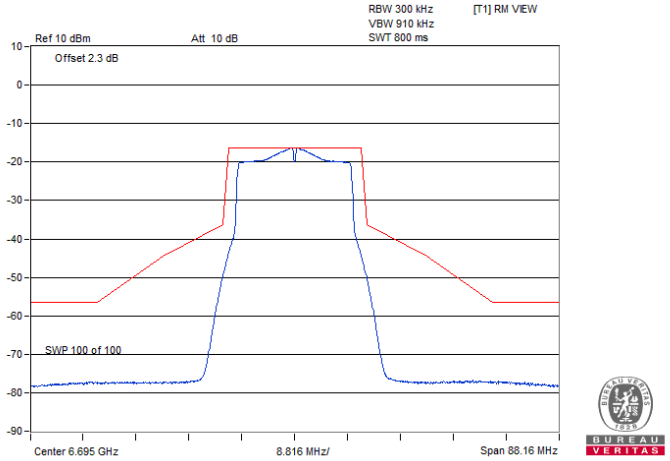
## Spectrum Plot



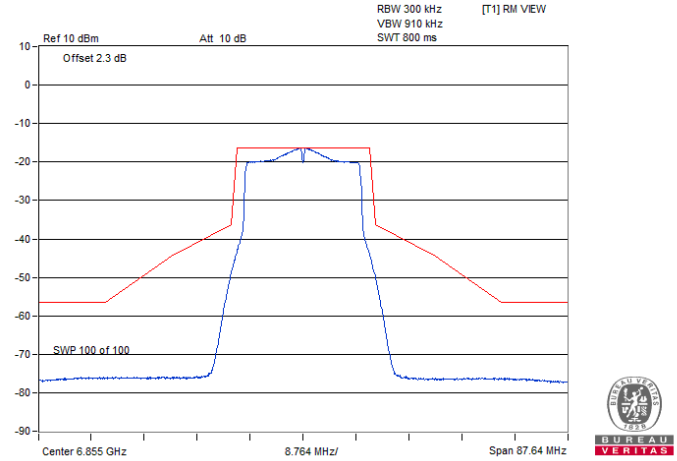

802.11ax (HE20) / Chain 0 : CH 113



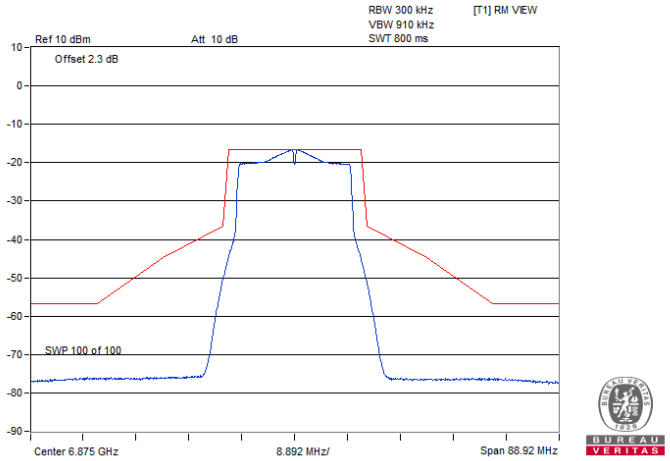

802.11ax (HE20) / Chain 0 : CH 117



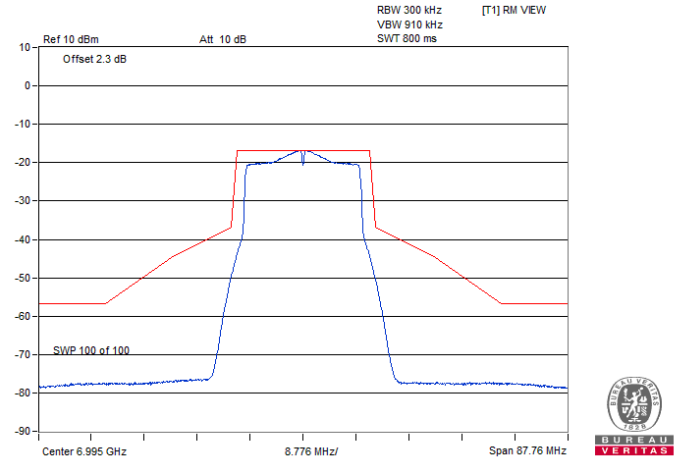

802.11ax (HE20) / Chain 0 : CH 149




802.11ax (HE20) / Chain 0 : CH 181

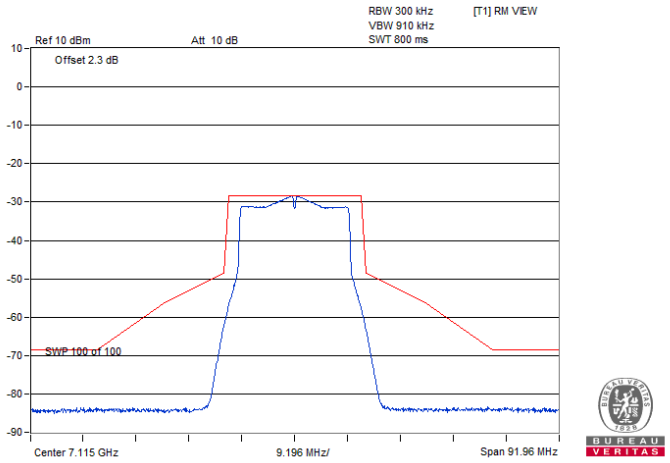



802.11ax (HE20) / Chain 0 : CH 185

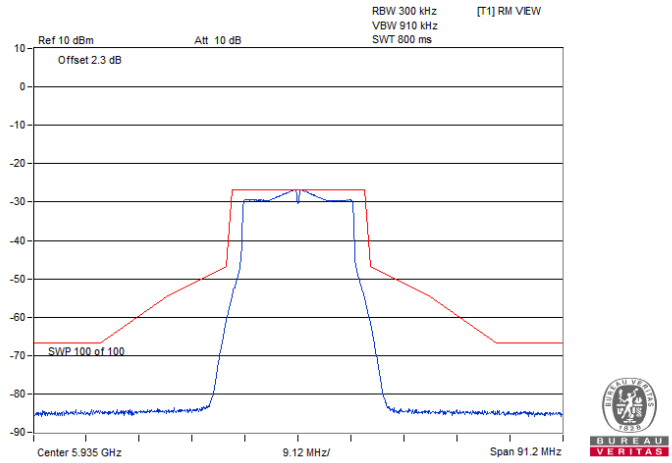



802.11ax (HE20) / Chain 0 : CH 209

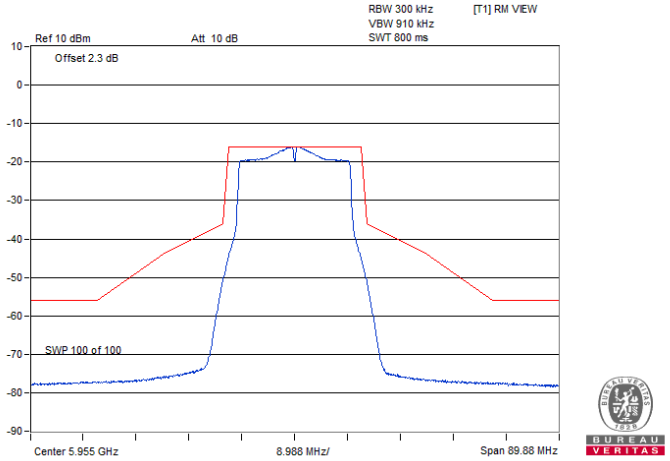
## Spectrum Plot



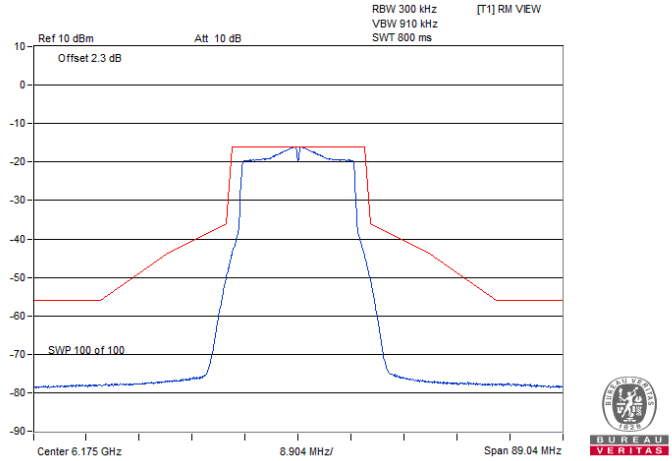

802.11ax (HE20) / Chain 0 : CH 233



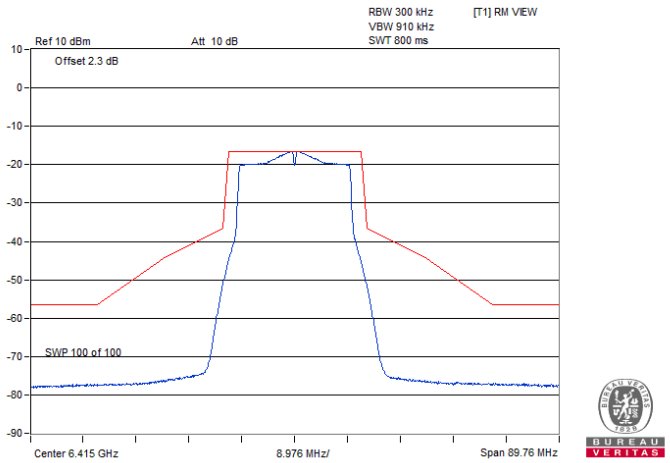

802.11ax (HE20) / Chain 1 : CH 2



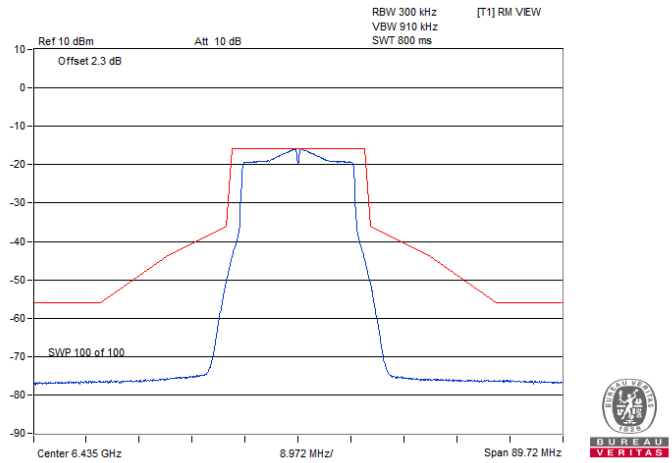

802.11ax (HE20) / Chain 1 : CH 1




802.11ax (HE20) / Chain 1 : CH 45

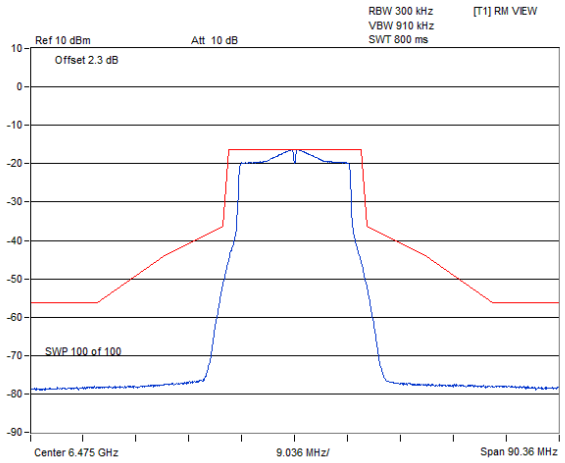



802.11ax (HE20) / Chain 1 : CH 93

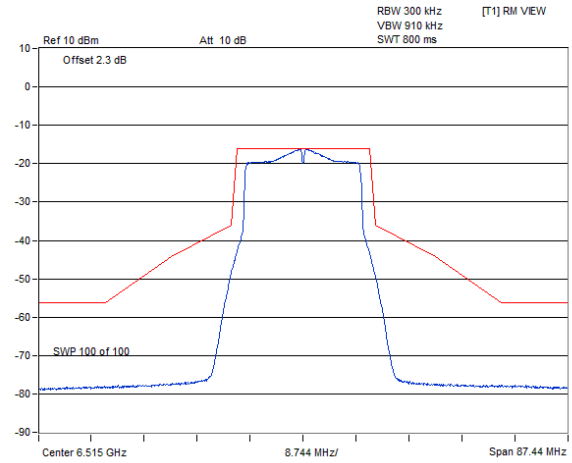



802.11ax (HE20) / Chain 1 : CH 97

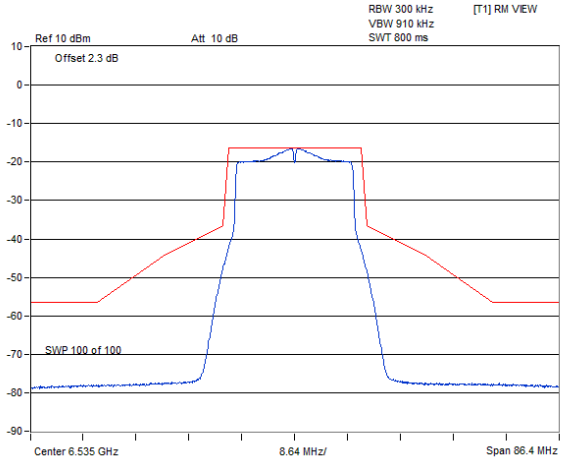
## Spectrum Plot



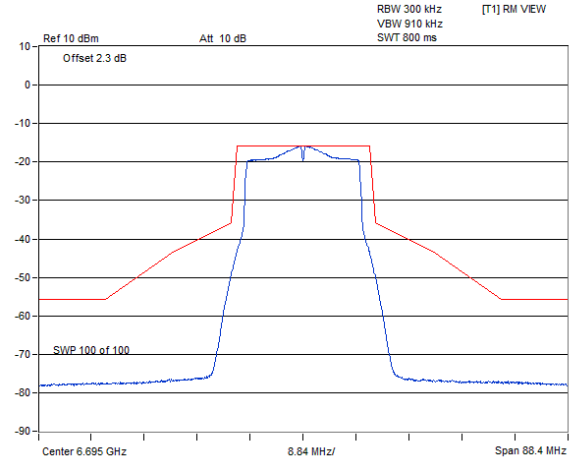

802.11ax (HE20) / Chain 1 : CH 105



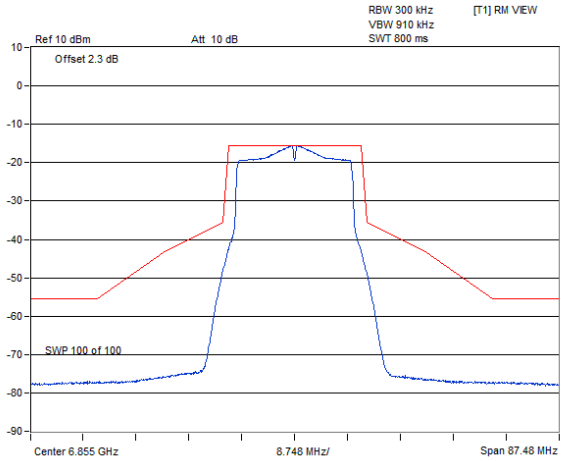

802.11ax (HE20) / Chain 1 : CH 113



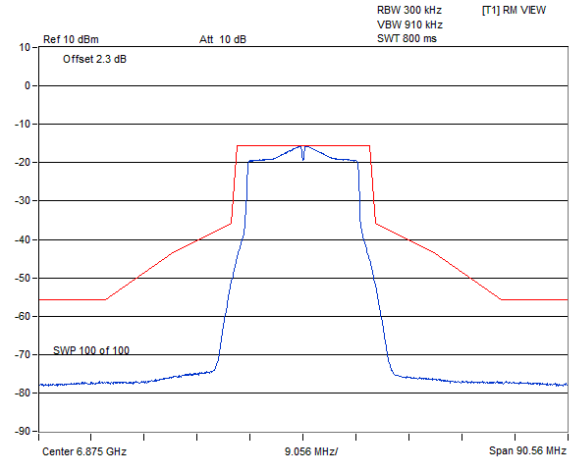

802.11ax (HE20) / Chain 1 : CH 117




802.11ax (HE20) / Chain 1 : CH 149

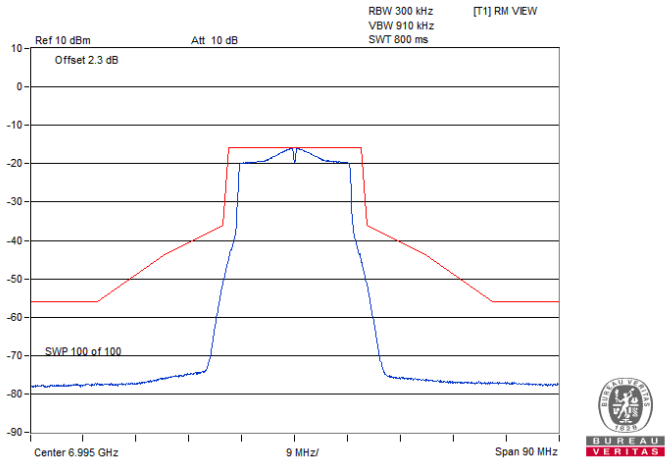



802.11ax (HE20) / Chain 1 : CH 181

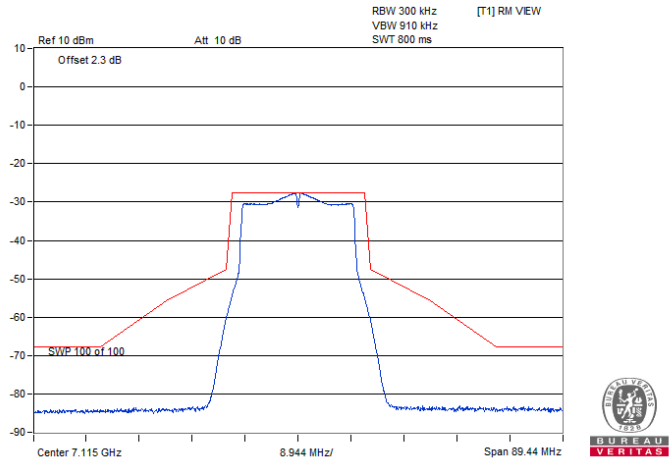



802.11ax (HE20) / Chain 1 : CH 185

## Spectrum Plot

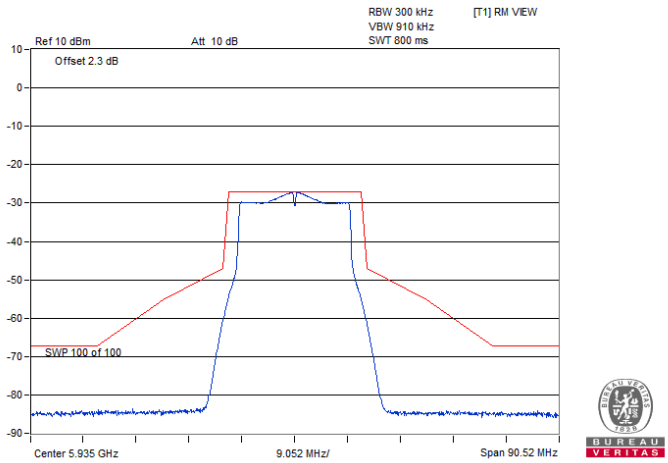
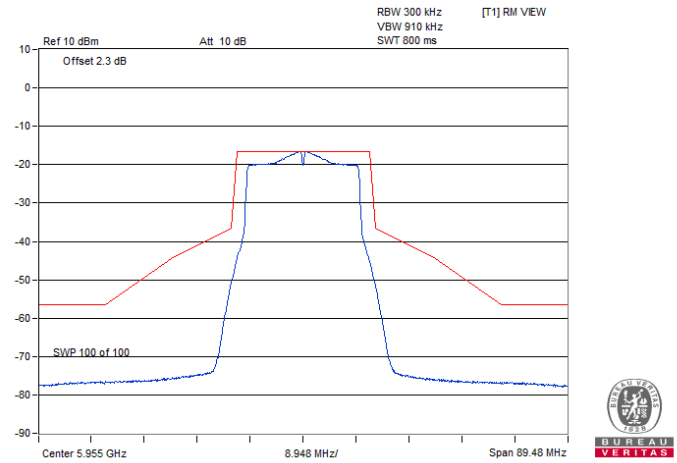
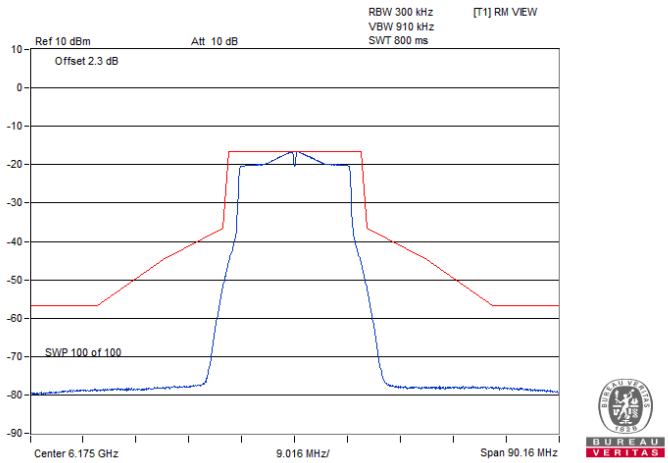
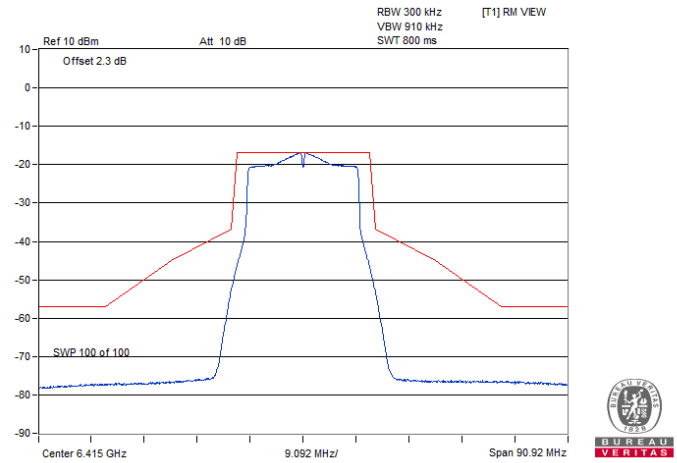
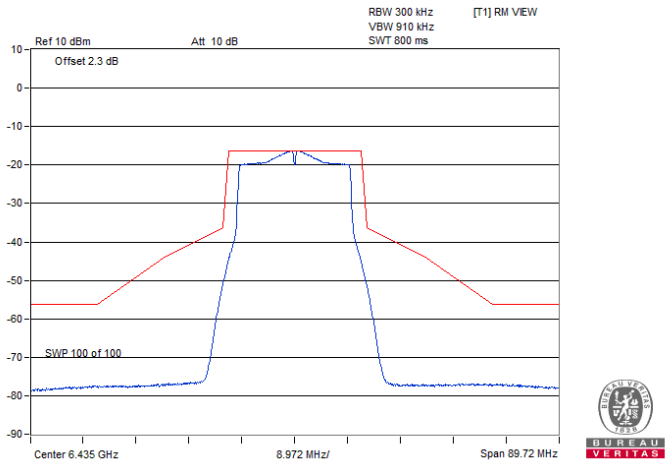
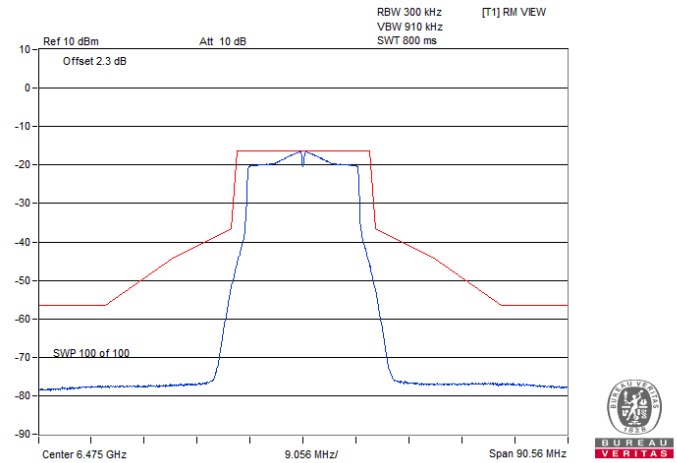



802.11ax (HE20) / Chain 1 : CH 209

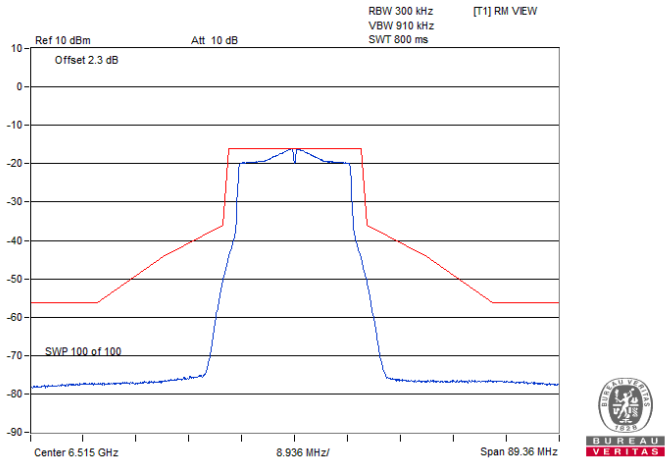



802.11ax (HE20) / Chain 1 : CH 233

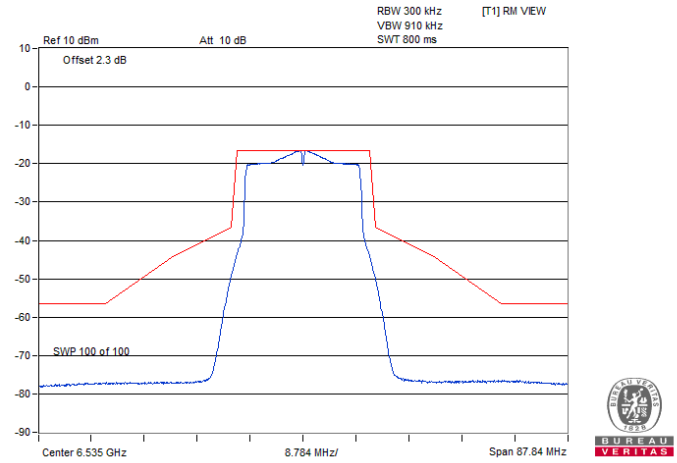
## 802.11be (EHT20)

| Spectrum Plot | |
|---|---|
|  |  |
| 802.11be (EHT20) / Chain 0 : CH 2 | 802.11be (EHT20) / Chain 0 : CH 1 |
|  |  |
| 802.11be (EHT20) / Chain 0 : CH 45 | 802.11be (EHT20) / Chain 0 : CH 93 |
|  |  |
| 802.11be (EHT20) / Chain 0 : CH 97 | 802.11be (EHT20) / Chain 0 : CH 105 |

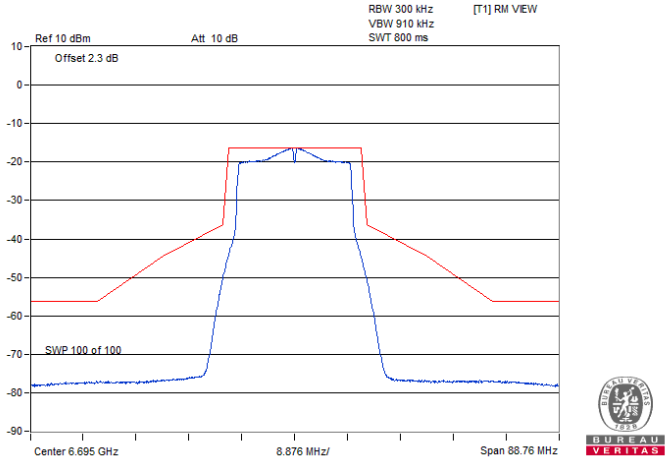
## Spectrum Plot



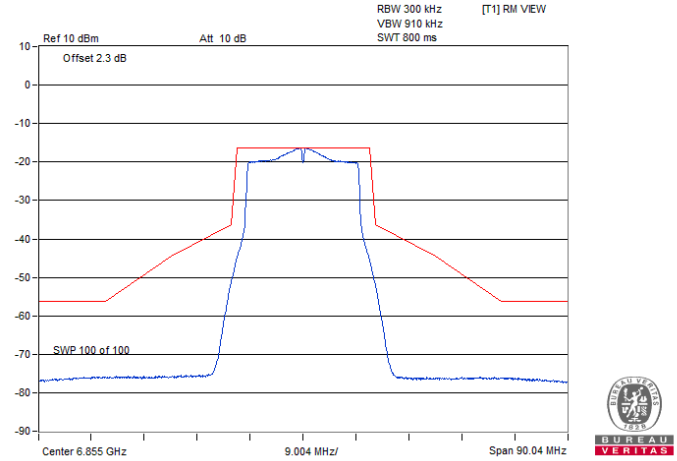

802.11be (EHT20) / Chain 0 : CH 113



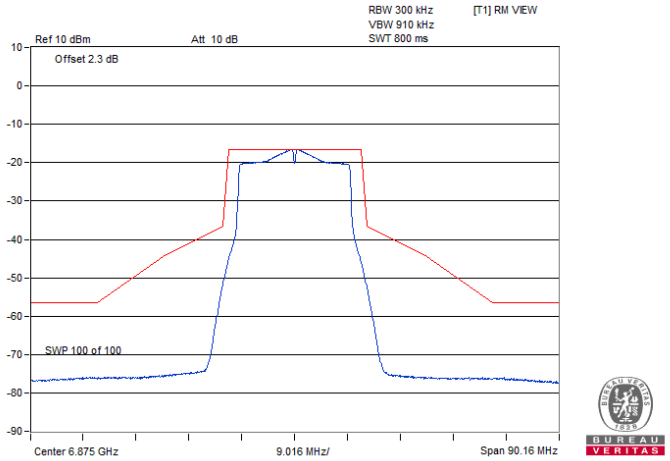

802.11be (EHT20) / Chain 0 : CH 117



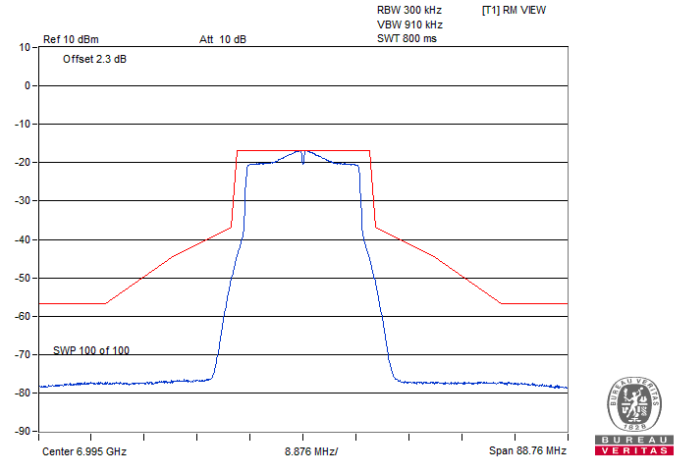

802.11be (EHT20) / Chain 0 : CH 149




802.11be (EHT20) / Chain 0 : CH 181

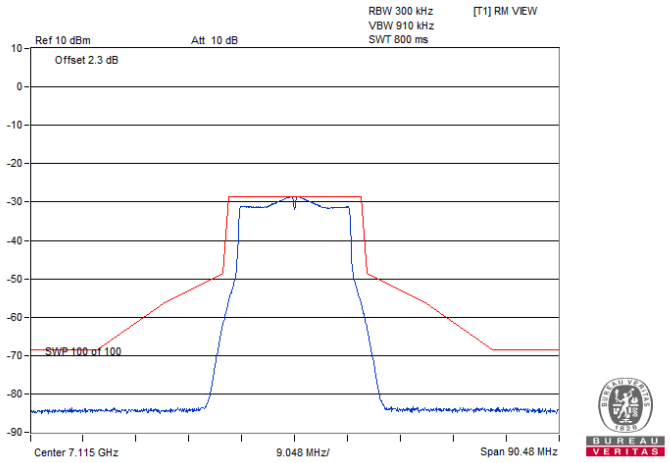



802.11be (EHT20) / Chain 0 : CH 185

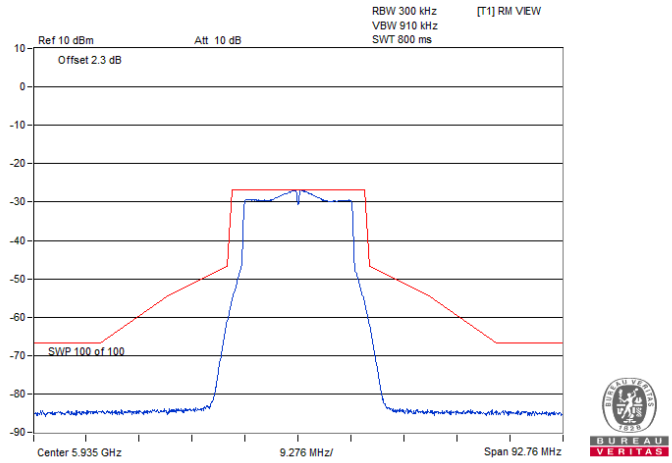



802.11be (EHT20) / Chain 0 : CH 209

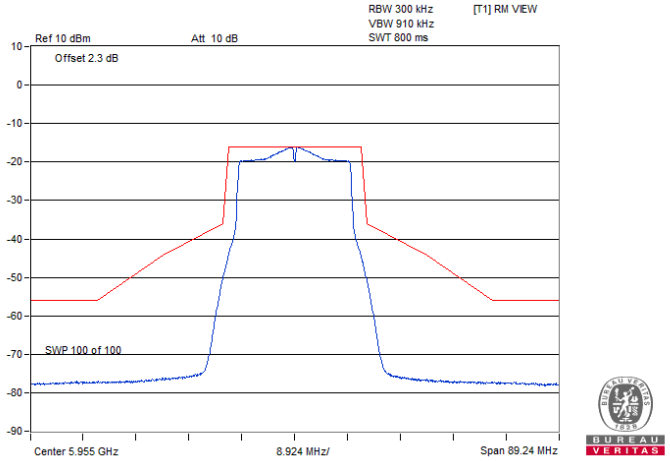
## Spectrum Plot



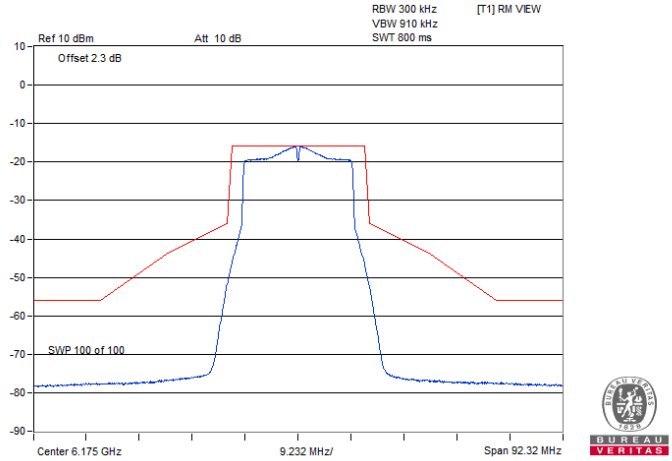

802.11be (EHT20) / Chain 0 : CH 233



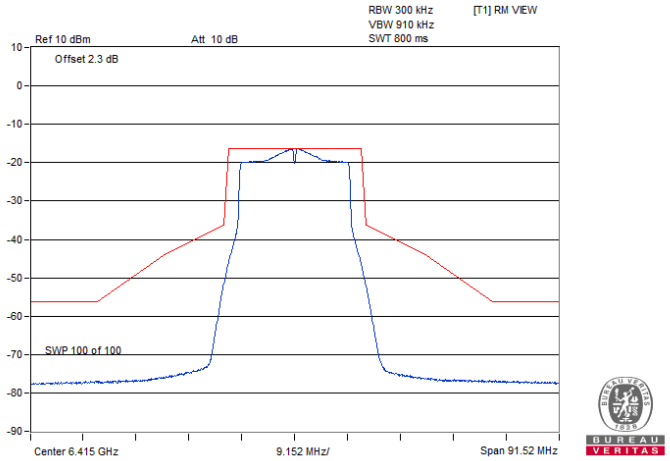

802.11be (EHT20) / Chain 1 : CH 2



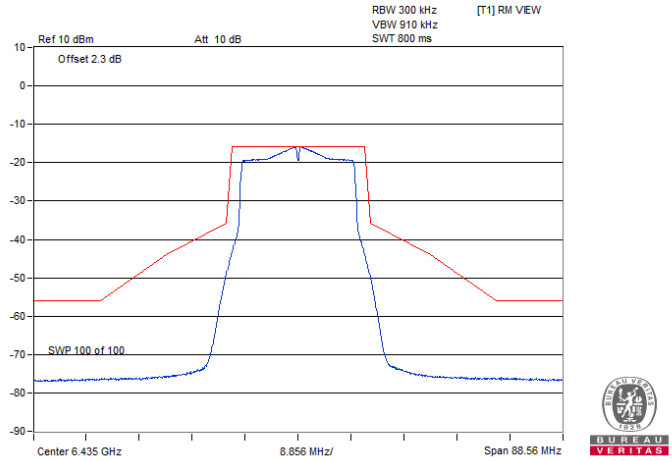

802.11be (EHT20) / Chain 1 : CH 1




802.11be (EHT20) / Chain 1 : CH 45

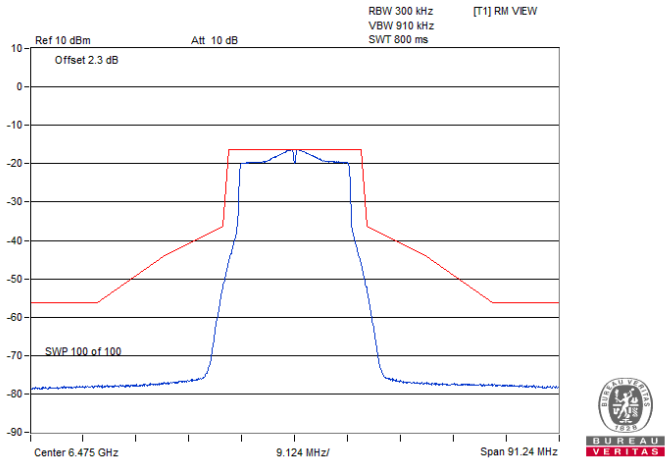



802.11be (EHT20) / Chain 1 : CH 93

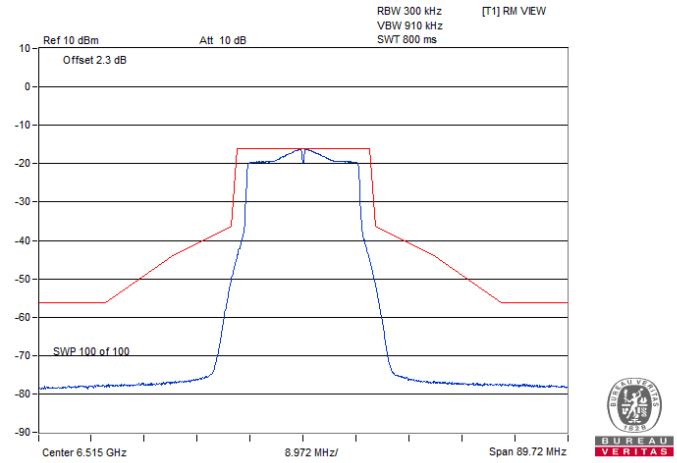



802.11be (EHT20) / Chain 1 : CH 97

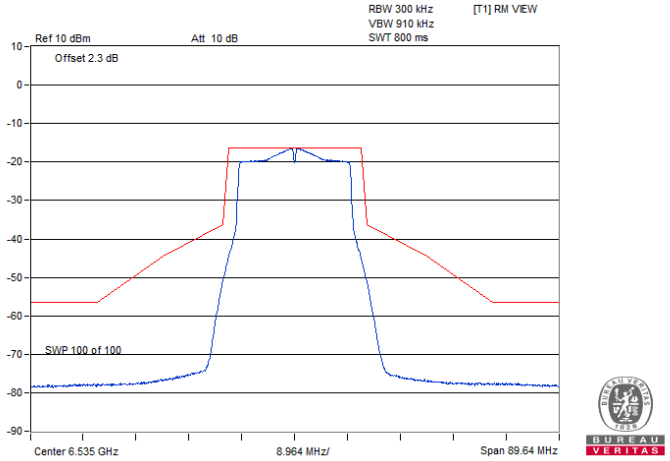
## Spectrum Plot



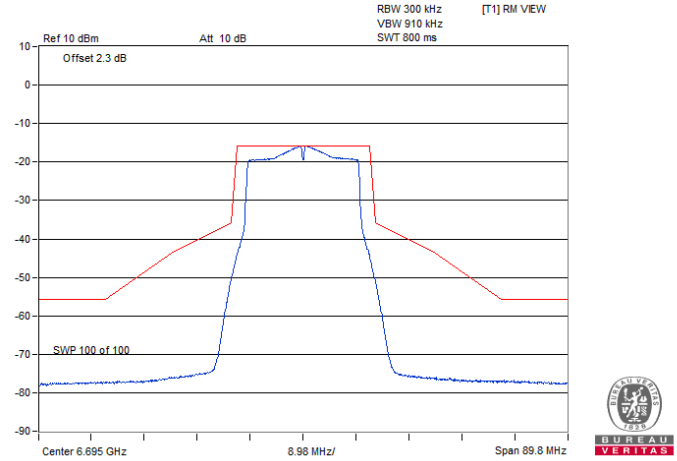

802.11be (EHT20) / Chain 1 : CH 105



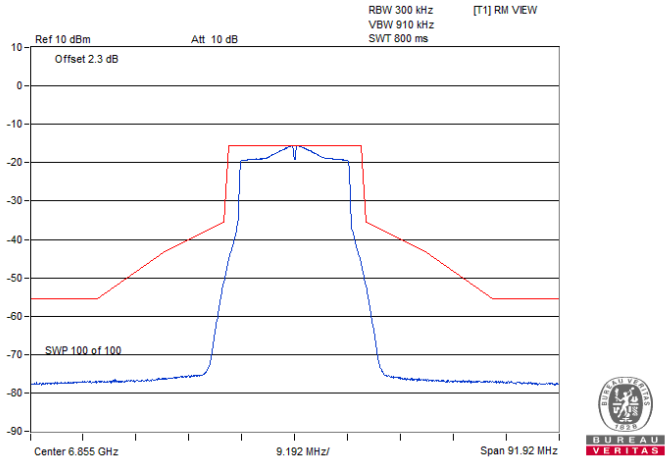

802.11be (EHT20) / Chain 1 : CH 113



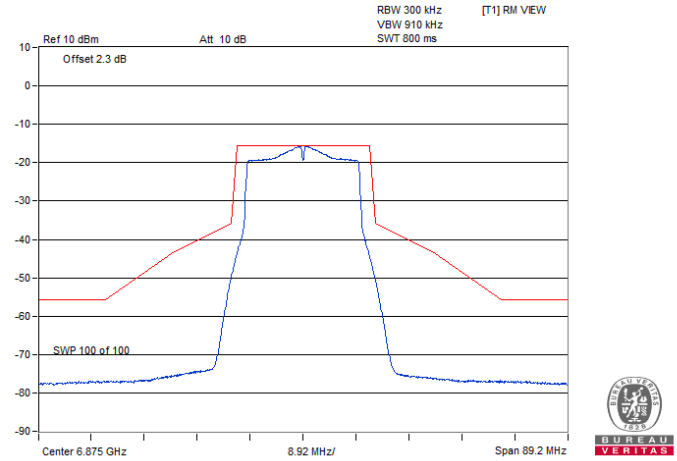

802.11be (EHT20) / Chain 1 : CH 117




802.11be (EHT20) / Chain 1 : CH 149

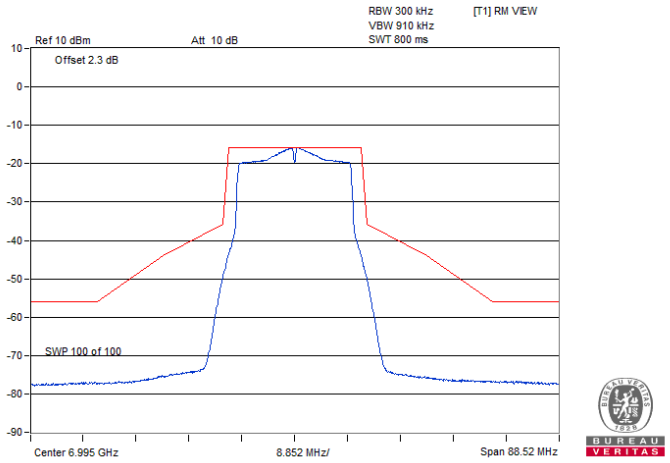



802.11be (EHT20) / Chain 1 : CH 181

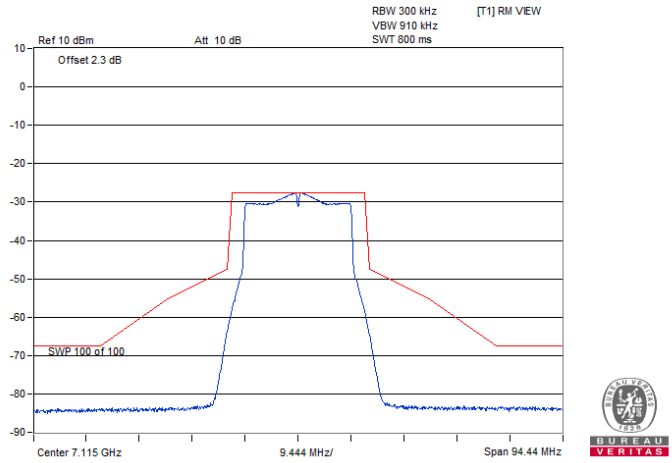



802.11be (EHT20) / Chain 1 : CH 185

## Spectrum Plot




802.11be (EHT20) / Chain 1 : CH 209




802.11be (EHT20) / Chain 1 : CH 233

## 7.5 Occupied Bandwidth

| Input Power: | 3.3 Vdc | Environmental Conditions: | 26°C, 59% RH | Tested By: | Dolly Chung |
|---|---|---|---|---|---|

**Mode A**

**1Tx**

**802.11a**

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 2 | 5935 | 16.8 | 320 | Pass |
| 1 | 5955 | 16.92 | 320 | Pass |
| 45 | 6175 | 16.74 | 320 | Pass |
| 93 | 6415 | 16.86 | 320 | Pass |
| 97 | 6435 | 16.8 | 320 | Pass |
| 105 | 6475 | 16.86 | 320 | Pass |
| 113 | 6515 | 16.8 | 320 | Pass |
| 117 | 6535 | 16.74 | 320 | Pass |
| 149 | 6695 | 16.86 | 320 | Pass |
| 181 | 6855 | 16.74 | 320 | Pass |
| 185 | 6875 | 16.86 | 320 | Pass |
| 209 | 6995 | 16.86 | 320 | Pass |
| 233 | 7115 | 16.74 | 320 | Pass |

**802.11ax (HE20)**

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 2 | 5935 | 19.02 | 320 | Pass |
| 1 | 5955 | 18.9 | 320 | Pass |
| 45 | 6175 | 18.9 | 320 | Pass |
| 93 | 6415 | 18.96 | 320 | Pass |
| 97 | 6435 | 19.02 | 320 | Pass |
| 105 | 6475 | 18.84 | 320 | Pass |
| 113 | 6515 | 19.08 | 320 | Pass |
| 117 | 6535 | 18.96 | 320 | Pass |
| 149 | 6695 | 18.9 | 320 | Pass |
| 181 | 6855 | 18.9 | 320 | Pass |
| 185 | 6875 | 19.02 | 320 | Pass |
| 209 | 6995 | 18.96 | 320 | Pass |
| 233 | 7115 | 19.02 | 320 | Pass |

### 802.11ax (HE40)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 3 | 5965 | 37.92 | 320 | Pass |
| 43 | 6165 | 37.68 | 320 | Pass |
| 91 | 6405 | 37.8 | 320 | Pass |
| 99 | 6445 | 37.92 | 320 | Pass |
| 107 | 6485 | 37.8 | 320 | Pass |
| 115 | 6525 | 37.8 | 320 | Pass |
| 123 | 6565 | 37.92 | 320 | Pass |
| 155 | 6725 | 37.8 | 320 | Pass |
| 179 | 6845 | 37.8 | 320 | Pass |
| 187 | 6885 | 37.8 | 320 | Pass |
| 211 | 7005 | 37.8 | 320 | Pass |
| 227 | 7085 | 37.8 | 320 | Pass |

### 802.11ax (HE80)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 7 | 5985 | 76.8 | 320 | Pass |
| 39 | 6145 | 76.8 | 320 | Pass |
| 87 | 6385 | 76.8 | 320 | Pass |
| 103 | 6465 | 76.56 | 320 | Pass |
| 119 | 6545 | 76.8 | 320 | Pass |
| 151 | 6705 | 77.04 | 320 | Pass |
| 183 | 6865 | 76.8 | 320 | Pass |
| 199 | 6945 | 76.8 | 320 | Pass |
| 215 | 7025 | 76.56 | 320 | Pass |

### 802.11ax (HE160)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 15 | 6025 | 156.48 | 320 | Pass |
| 47 | 6185 | 156.48 | 320 | Pass |
| 79 | 6345 | 156.48 | 320 | Pass |
| 111 | 6505 | 156.96 | 320 | Pass |
| 143 | 6665 | 156.48 | 320 | Pass |
| 175 | 6825 | 157.44 | 320 | Pass |
| 207 | 6985 | 156.96 | 320 | Pass |

## 802.11be (EHT20)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 2 | 5935 | 19.02 | 320 | Pass |
| 1 | 5955 | 18.96 | 320 | Pass |
| 45 | 6175 | 18.96 | 320 | Pass |
| 93 | 6415 | 18.9 | 320 | Pass |
| 97 | 6435 | 18.9 | 320 | Pass |
| 105 | 6475 | 18.96 | 320 | Pass |
| 113 | 6515 | 19.02 | 320 | Pass |
| 117 | 6535 | 18.96 | 320 | Pass |
| 149 | 6695 | 19.02 | 320 | Pass |
| 181 | 6855 | 18.96 | 320 | Pass |
| 185 | 6875 | 18.9 | 320 | Pass |
| 209 | 6995 | 19.08 | 320 | Pass |
| 233 | 7115 | 19.08 | 320 | Pass |

## 802.11be (EHT40)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 3 | 5965 | 38.04 | 320 | Pass |
| 43 | 6165 | 37.92 | 320 | Pass |
| 91 | 6405 | 38.04 | 320 | Pass |
| 99 | 6445 | 38.04 | 320 | Pass |
| 107 | 6485 | 37.92 | 320 | Pass |
| 115 | 6525 | 37.92 | 320 | Pass |
| 123 | 6565 | 37.92 | 320 | Pass |
| 155 | 6725 | 38.04 | 320 | Pass |
| 179 | 6845 | 37.92 | 320 | Pass |
| 187 | 6885 | 38.04 | 320 | Pass |
| 211 | 7005 | 38.04 | 320 | Pass |
| 227 | 7085 | 38.04 | 320 | Pass |

### 802.11be (EHT80)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 7 | 5985 | 76.8 | 320 | Pass |
| 39 | 6145 | 76.56 | 320 | Pass |
| 87 | 6385 | 76.8 | 320 | Pass |
| 103 | 6465 | 76.56 | 320 | Pass |
| 119 | 6545 | 76.8 | 320 | Pass |
| 151 | 6705 | 76.8 | 320 | Pass |
| 183 | 6865 | 76.8 | 320 | Pass |
| 199 | 6945 | 77.04 | 320 | Pass |
| 215 | 7025 | 76.8 | 320 | Pass |

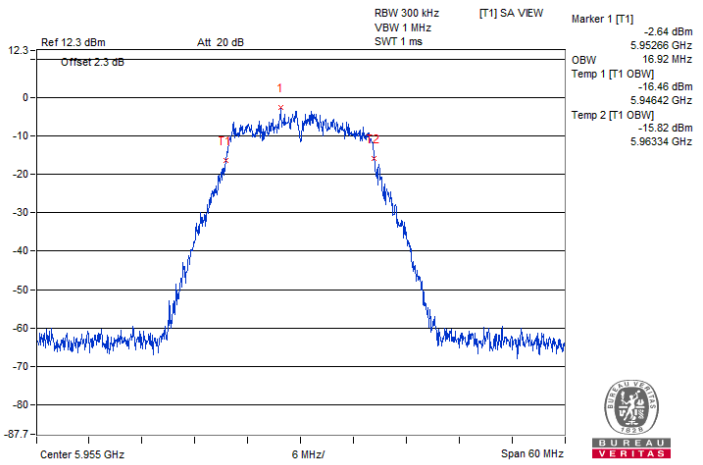
### 802.11be (EHT160)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 15 | 6025 | 156.96 | 320 | Pass |
| 47 | 6185 | 156 | 320 | Pass |
| 79 | 6345 | 156.48 | 320 | Pass |
| 111 | 6505 | 157.44 | 320 | Pass |
| 143 | 6665 | 156.96 | 320 | Pass |
| 175 | 6825 | 156.48 | 320 | Pass |
| 207 | 6985 | 156.48 | 320 | Pass |

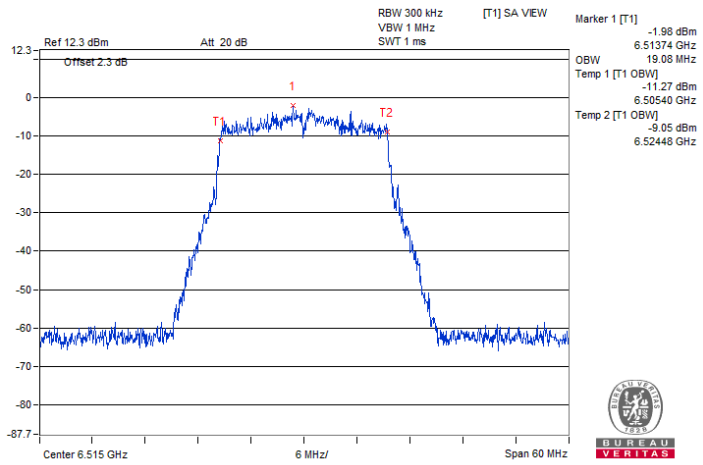
### 802.11be (EHT320)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|
| 31 | 6105 | 312.32 | 320 | Pass |
| 63 | 6265 | 311.68 | 320 | Pass |
| 95 | 6425 | 311.04 | 320 | Pass |
| 127 | 6585 | 311.68 | 320 | Pass |
| 159 | 6745 | 311.04 | 320 | Pass |
| 191 | 6905 | 311.04 | 320 | Pass |

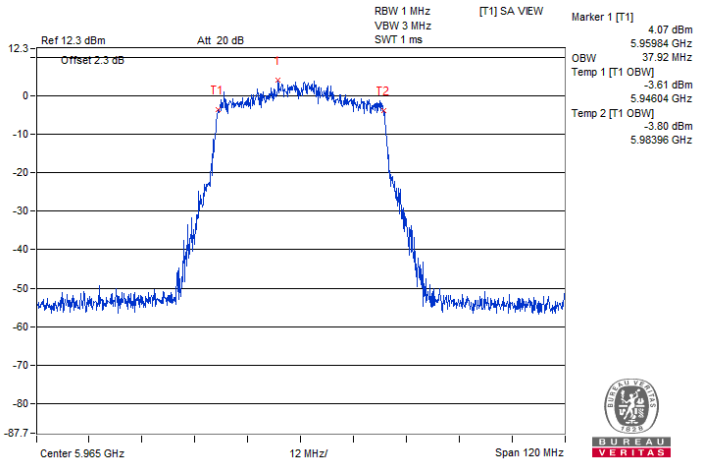
## Spectrum Plot of Maximum Value



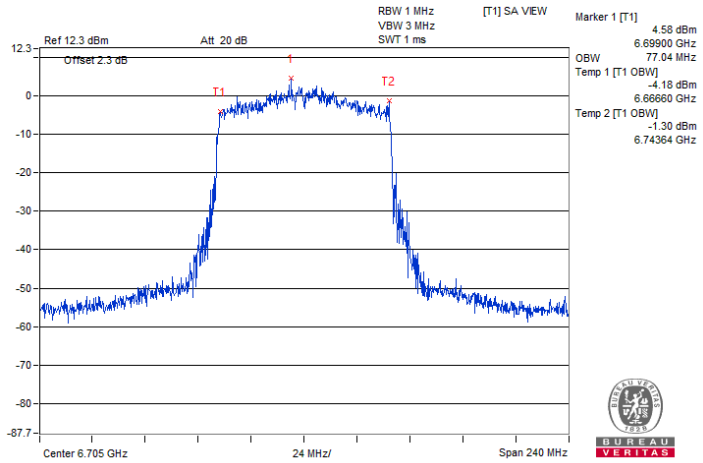

802.11a : CH 1



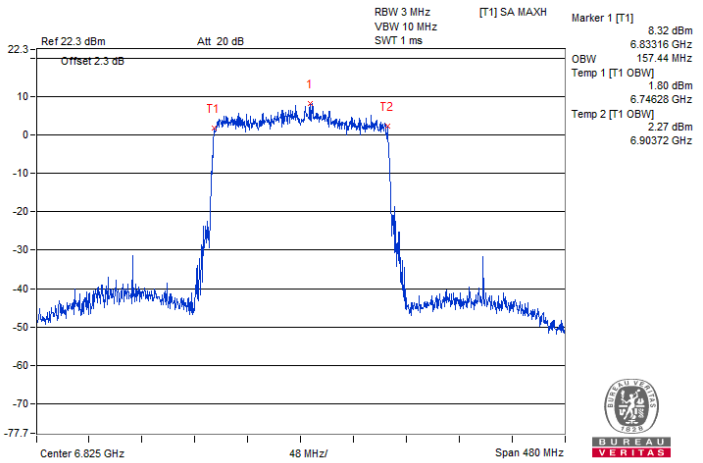

802.11ax (HE20) : CH 113



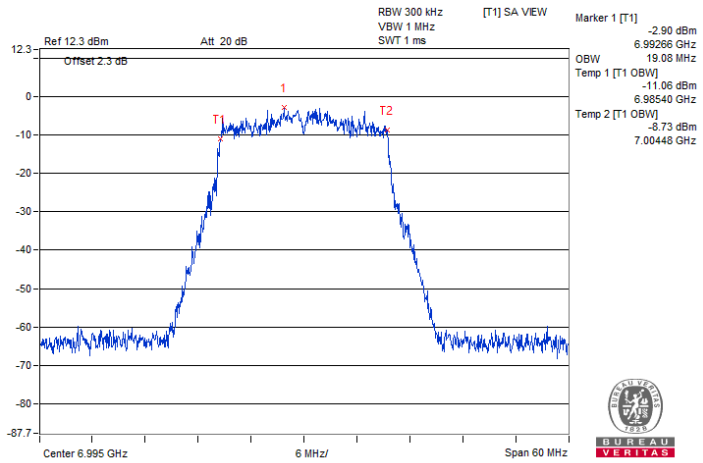

802.11ax (HE40) : CH 3




802.11ax (HE80) : CH 151

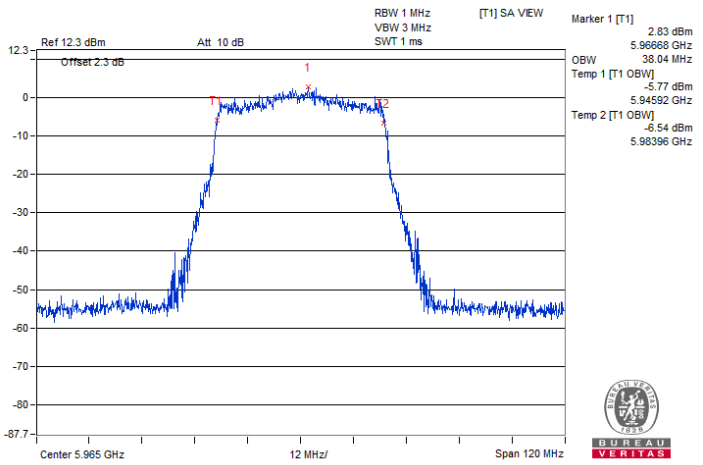



802.11ax (HE160) : CH 175

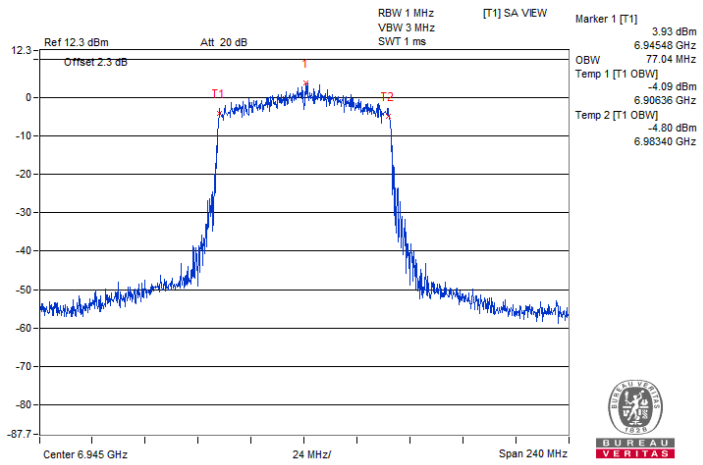



802.11be (EHT20) : CH 209

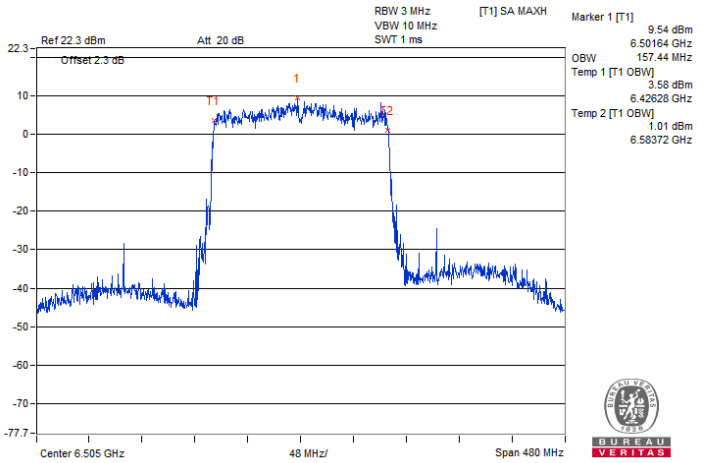
## Spectrum Plot of Maximum Value



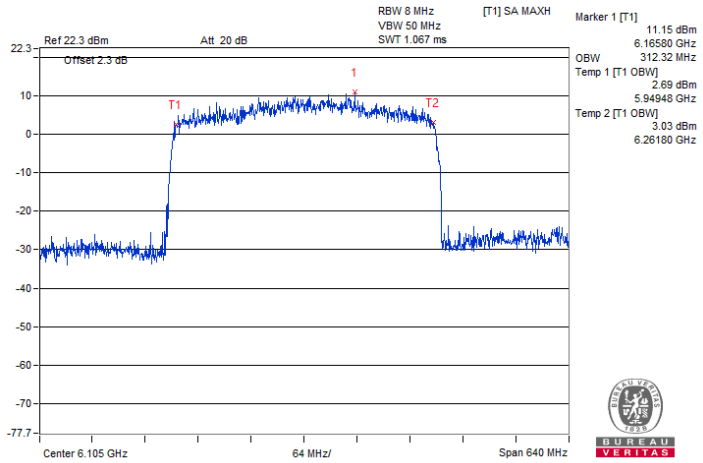

802.11be (EHT40) : CH 3




802.11be (EHT80) : CH 199




802.11be (EHT160) : CH 111




802.11be (EHT320) : CH 31

## 2Tx

### 802.11a

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 2 | 5935 | 16.68 | 16.80 | 320 | Pass |
| 1 | 5955 | 16.74 | 16.80 | 320 | Pass |
| 45 | 6175 | 16.86 | 16.68 | 320 | Pass |
| 93 | 6415 | 16.86 | 16.74 | 320 | Pass |
| 97 | 6435 | 16.80 | 16.86 | 320 | Pass |
| 105 | 6475 | 16.80 | 16.98 | 320 | Pass |
| 113 | 6515 | 16.80 | 16.86 | 320 | Pass |
| 117 | 6535 | 16.74 | 16.80 | 320 | Pass |
| 149 | 6695 | 16.68 | 16.74 | 320 | Pass |
| 181 | 6855 | 16.74 | 16.74 | 320 | Pass |
| 185 | 6875 | 16.62 | 16.86 | 320 | Pass |
| 209 | 6995 | 16.80 | 16.80 | 320 | Pass |
| 233 | 7115 | 16.80 | 16.74 | 320 | Pass |

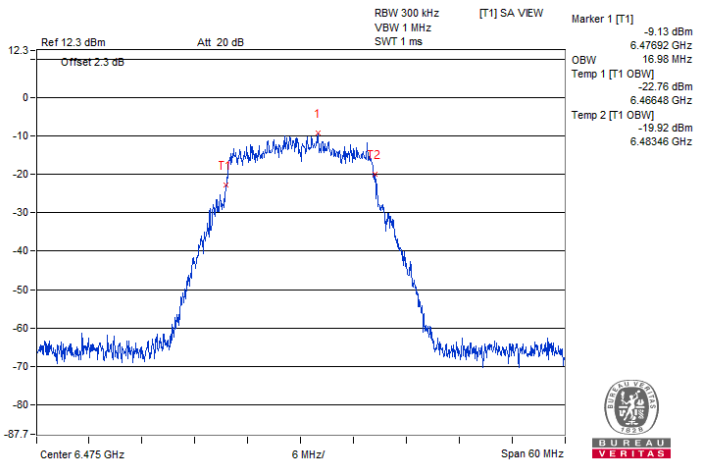
### 802.11ax (HE20)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 2 | 5935 | 19.02 | 19.02 | 320 | Pass |
| 1 | 5955 | 19.02 | 18.96 | 320 | Pass |
| 45 | 6175 | 18.96 | 18.90 | 320 | Pass |
| 93 | 6415 | 18.96 | 18.96 | 320 | Pass |
| 97 | 6435 | 18.96 | 18.90 | 320 | Pass |
| 105 | 6475 | 18.84 | 18.96 | 320 | Pass |
| 113 | 6515 | 18.90 | 19.02 | 320 | Pass |
| 117 | 6535 | 18.96 | 19.08 | 320 | Pass |
| 149 | 6695 | 18.96 | 18.96 | 320 | Pass |
| 181 | 6855 | 18.96 | 19.02 | 320 | Pass |
| 185 | 6875 | 18.90 | 18.96 | 320 | Pass |
| 209 | 6995 | 18.90 | 18.90 | 320 | Pass |
| 233 | 7115 | 18.96 | 19.08 | 320 | Pass |

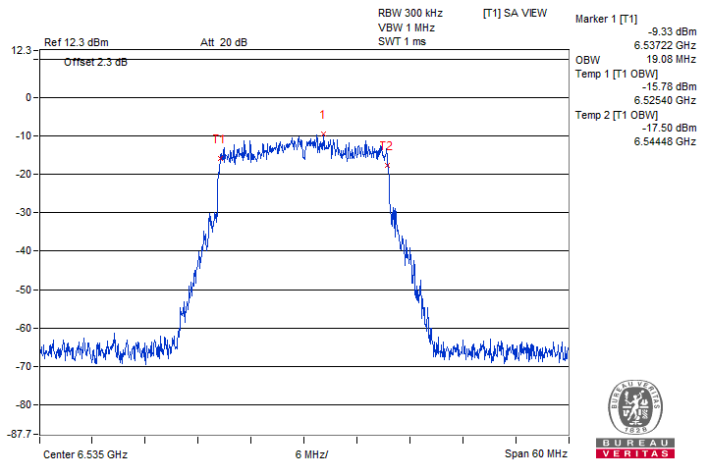
## 802.11be (EHT20)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | | Maximum Limit (MHz) | Test Result |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 2 | 5935 | 19.08 | 19.02 | 320 | Pass |
| 1 | 5955 | 18.90 | 18.96 | 320 | Pass |
| 45 | 6175 | 19.02 | 18.96 | 320 | Pass |
| 93 | 6415 | 18.90 | 19.02 | 320 | Pass |
| 97 | 6435 | 18.90 | 19.02 | 320 | Pass |
| 105 | 6475 | 18.90 | 18.96 | 320 | Pass |
| 113 | 6515 | 18.90 | 18.96 | 320 | Pass |
| 117 | 6535 | 18.90 | 19.02 | 320 | Pass |
| 149 | 6695 | 18.96 | 18.96 | 320 | Pass |
| 181 | 6855 | 18.96 | 18.96 | 320 | Pass |
| 185 | 6875 | 18.90 | 18.90 | 320 | Pass |
| 209 | 6995 | 18.96 | 18.96 | 320 | Pass |
| 233 | 7115 | 19.08 | 19.08 | 320 | Pass |

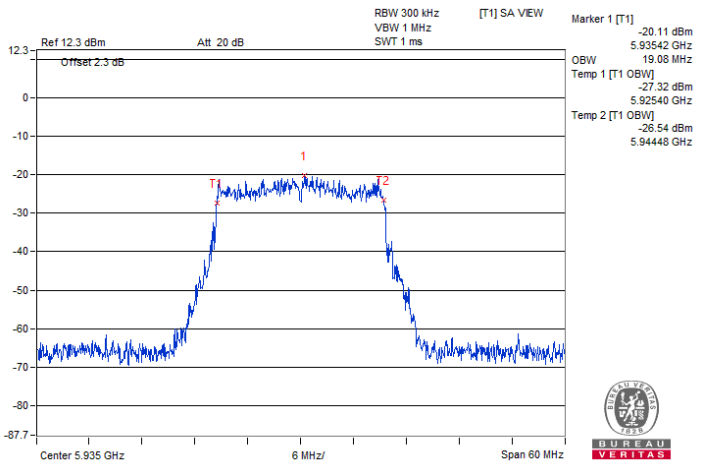
Spectrum Plot of Maximum Value




802.11a / Chain 1 : CH 105




802.11ax (HE20) / Chain 1 : CH 117




802.11be (EHT20) / Chain 0 : CH 2

## 7.6 Frequency Stability

| Input Power: | 3.3 Vdc | Environmental Conditions: | 26°C, 59% RH | Tested By: | Dolly Chung |
|---|---|---|---|---|---|

| Frequency Stability Versus Temperature | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Operating Frequency: 5935 MHz | | | | | | | | | |
| Temp. (℃) | Power Supply (Vdc) | 0 Minute | | 2 Minutes | | 5 Minutes | | 10 Minutes | |
| | | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result |
| 50 | 3.3 | 5935.0238 | Pass | 5935.0239 | Pass | 5935.0237 | Pass | 5935.0243 | Pass |
| 40 | 3.3 | 5935.0096 | Pass | 5935.0104 | Pass | 5935.0079 | Pass | 5935.0094 | Pass |
| 30 | 3.3 | 5935.0104 | Pass | 5935.0108 | Pass | 5935.0112 | Pass | 5935.0161 | Pass |
| 20 | 3.3 | 5935.0002 | Pass | 5934.9994 | Pass | 5934.9975 | Pass | 5935.0014 | Pass |
| 10 | 3.3 | 5934.9709 | Pass | 5934.9741 | Pass | 5934.9687 | Pass | 5934.9703 | Pass |
| 0 | 3.3 | 5934.9877 | Pass | 5934.9833 | Pass | 5934.9862 | Pass | 5934.9862 | Pass |
| -10 | 3.3 | 5934.981 | Pass | 5934.9824 | Pass | 5934.9797 | Pass | 5934.9819 | Pass |
| -20 | 3.3 | 5934.9778 | Pass | 5934.9798 | Pass | 5934.9768 | Pass | 5934.9799 | Pass |
| -30 | 3.3 | 5934.9762 | Pass | 5934.9783 | Pass | 5934.9764 | Pass | 5934.979 | Pass |

| Frequency Stability Versus Voltage | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Operating Frequency: 5935 MHz | | | | | | | | | |
| Temp. (℃) | Power Supply (Vdc) | 0 Minute | | 2 Minutes | | 5 Minutes | | 10 Minutes | |
| | | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result |
| 20 | 3.795 | 5934.992 | Pass | 5934.9927 | Pass | 5934.9923 | Pass | 5934.9936 | Pass |
| | 3.3 | 5935.0002 | Pass | 5934.9994 | Pass | 5934.9975 | Pass | 5935.0014 | Pass |
| | 2.805 | 5935.0026 | Pass | 5935.0035 | Pass | 5935.0037 | Pass | 5934.9988 | Pass |

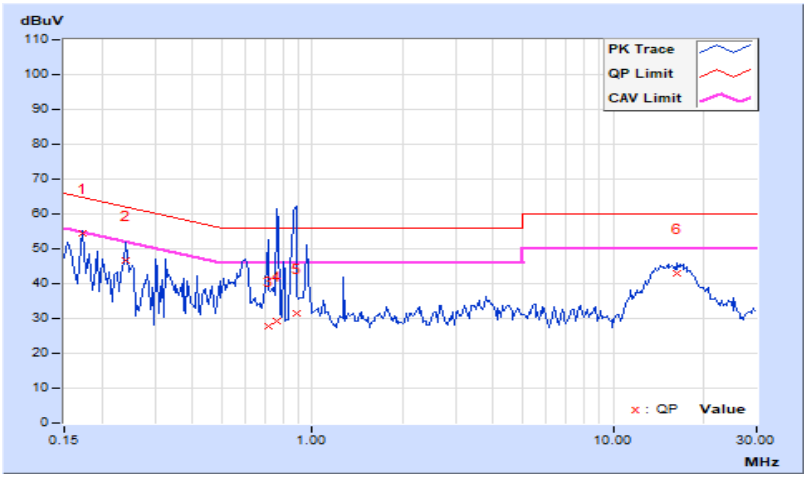
## 7.7 AC Power Conducted Emissions

| | | | |
|---|---|---|---|
| **RF Mode** | 802.11be (EHT320) | **Channel** | CH 127：6585 MHz |
| **Frequency Range** | 150 kHz ~ 30 MHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP) / Average (AV), 9 kHz |
| **Input Power (System)** | 120 Vac, 60 Hz | **Environmental Conditions** | 22°C, 66% RH |
| **Tested By** | Sampson Chen | | |

| Phase Of Power : Line (L) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Correction Factor (dB)** | **Reading Value (dBuV)** | | **Emission Level (dBuV)** | | **Limit (dBuV)** | | **Margin (dB)** | |
| | | | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** |
| **1** | **0.17344** | **9.94** | **44.38** | **18.19** | **54.32** | **28.13** | **64.79** | **54.79** | **-10.47** | **-26.66** |
| 2 | 0.23984 | 9.94 | 36.90 | 19.07 | 46.84 | 29.01 | 62.10 | 52.10 | -15.26 | -23.09 |
| 3 | 0.71250 | 9.97 | 17.96 | 13.51 | 27.93 | 23.48 | 56.00 | 46.00 | -28.07 | -22.52 |
| 4 | 0.76328 | 9.97 | 19.33 | 8.13 | 29.30 | 18.10 | 56.00 | 46.00 | -26.70 | -27.90 |
| 5 | 0.88438 | 9.98 | 21.53 | 9.05 | 31.51 | 19.03 | 56.00 | 46.00 | -24.49 | -26.97 |
| 6 | 16.21875 | 11.09 | 31.73 | 24.82 | 42.82 | 35.91 | 60.00 | 50.00 | -17.18 | -14.09 |

**Remarks:**

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

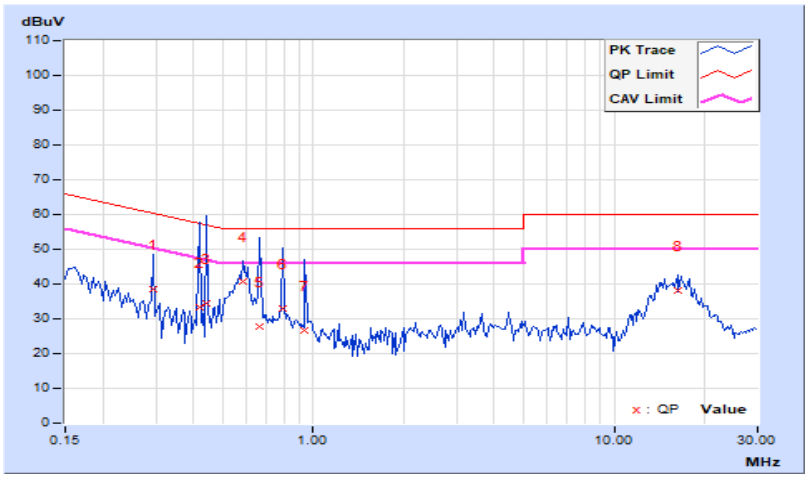


| | | | |
|---|---|---|---|
| **RF Mode** | 802.11be (EHT320) | **Channel** | CH 127：6585 MHz |
| **Frequency Range** | 150 kHz ~ 30 MHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP) / Average (AV), 9 kHz |
| **Input Power (System)** | 120 Vac, 60 Hz | **Environmental Conditions** | 22°C, 67% RH |
| **Tested By** | Sampson Chen | | |

| Phase Of Power : Neutral (N) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Correction Factor (dB)** | **Reading Value (dBuV)** | | **Emission Level (dBuV)** | | **Limit (dBuV)** | | **Margin (dB)** | |
| | | | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** |
| 1 | 0.29453 | 10.01 | 28.48 | 6.75 | 38.49 | 16.76 | 60.40 | 50.40 | -21.91 | -33.64 |
| 2 | 0.41953 | 10.02 | 23.43 | 2.72 | 33.45 | 12.74 | 57.46 | 47.46 | -24.01 | -34.72 |
| 3 | 0.44297 | 10.02 | 24.37 | 8.03 | 34.39 | 18.05 | 57.01 | 47.01 | -22.62 | -28.96 |
| 4 | 0.58750 | 10.03 | 30.64 | 22.70 | 40.67 | 32.73 | 56.00 | 46.00 | -15.33 | -13.27 |
| 5 | 0.66563 | 10.03 | 17.81 | 6.56 | 27.84 | 16.59 | 56.00 | 46.00 | -28.16 | -29.41 |
| 6 | 0.79453 | 10.03 | 22.77 | 8.21 | 32.80 | 18.24 | 56.00 | 46.00 | -23.20 | -27.76 |
| 7 | 0.93516 | 10.04 | 16.63 | 4.88 | 26.67 | 14.92 | 56.00 | 46.00 | -29.33 | -31.08 |
| 8 | 16.27344 | 10.91 | 27.23 | 21.70 | 38.14 | 32.61 | 60.00 | 50.00 | -21.86 | -17.39 |

**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

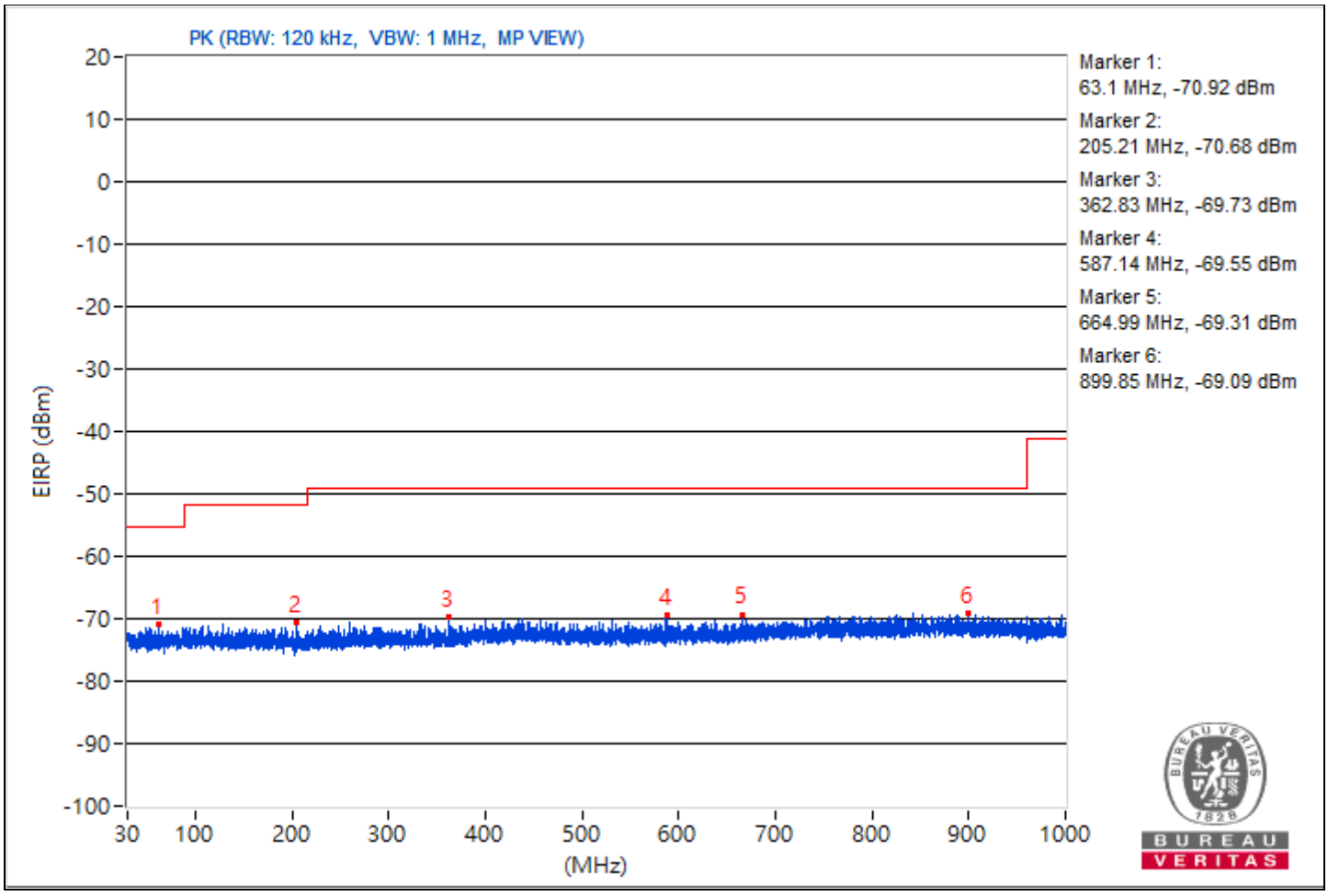
### Mode A

| RF Mode | 802.11be (EHT320) | Channel | CH 127：6585 MHz |
|---|---|---|---|
| Frequency Range | 30 MHz ~ 1 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 63.1 | 24.34 PK | 40 | -15.66 | -80.78 | 9.86 | -70.92 |
| 2 | 205.21 | 24.58 PK | 43.5 | -18.92 | -80.54 | 9.86 | -70.68 |
| 3 | 362.83 | 25.53 PK | 46 | -20.47 | -79.59 | 9.86 | -69.73 |
| 4 | 587.14 | 25.71 PK | 46 | -20.29 | -79.41 | 9.86 | -69.55 |
| 5 | 664.99 | 25.95 PK | 46 | -20.05 | -79.17 | 9.86 | -69.31 |
| 6 | 899.85 | 26.17 PK | 46 | -19.83 | -78.95 | 9.86 | -69.09 |

Notes:

1. Margin value = Emission Level - Limit value
2. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



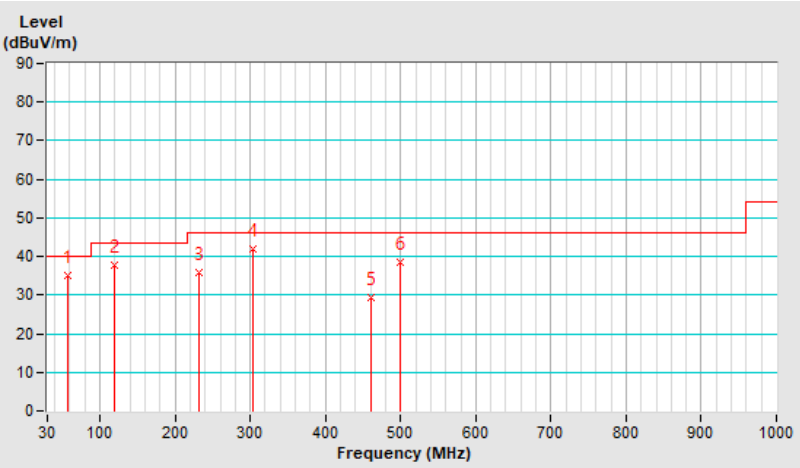
## Mode B

| RF Mode | 802.11be (EHT320) | Channel | CH 127：6585 MHz |
|---|---|---|---|
| Frequency Range | 30 MHz ~ 1 GHz | Detector Function & Bandwidth | QP: RB=120kHz, DET=Quasi-Peak |
| Input Power (System) | 120 Vac, 60 Hz | Environmental Conditions | 25 °C, 68 % RH |
| Tested By | Sampson Chen | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 56.94 | 35.2 QP | 40.0 | -4.8 | 1.00 H | 90 | 48.6 | -13.4 |
| 2 | 118.92 | 37.9 QP | 43.5 | -5.6 | 2.00 H | 257 | 53.0 | -15.1 |
| 3 | 232.05 | 35.9 QP | 46.0 | -10.1 | 1.50 H | 159 | 51.4 | -15.5 |
| **4** | **303.22** | **41.8 QP** | **46.0** | **-4.2** | **2.00 H** | **256** | **54.1** | **-12.3** |
| 5 | 459.88 | 29.5 QP | 46.0 | -16.5 | 2.00 H | 105 | 37.9 | -8.4 |
| 6 | 500.23 | 38.5 QP | 46.0 | -7.5 | 3.00 H | 265 | 46.2 | -7.7 |

**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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

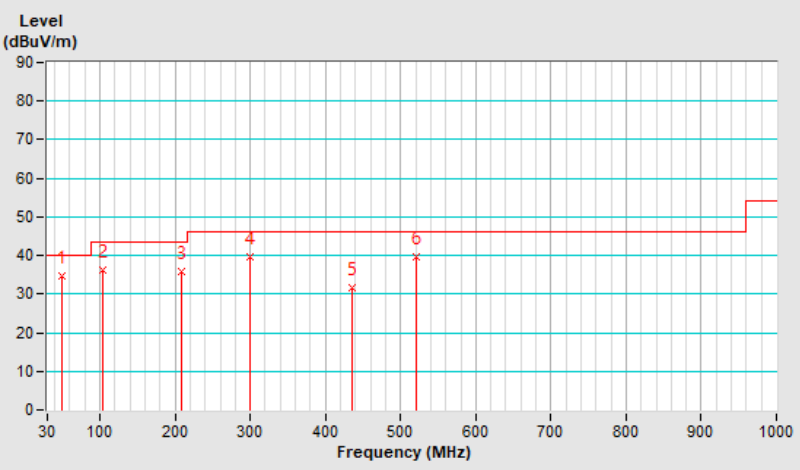


| RF Mode | 802.11be (EHT320) | Channel | CH 127：6585 MHz |
|---|---|---|---|
| Frequency Range | 30 MHz ~ 1 GHz | Detector Function & Bandwidth | QP: RB=120kHz, DET=Quasi-Peak |
| Input Power (System) | 120 Vac, 60 Hz | Environmental Conditions | 25 °C, 68 % RH |
| Tested By | Sampson Chen | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 48.83 | 34.7 QP | 40.0 | -5.3 | 1.50 V | 250 | 47.7 | -13.0 |
| 2 | 104.66 | 36.1 QP | 43.5 | -7.4 | 1.50 V | 351 | 52.7 | -16.6 |
| 3 | 207.85 | 35.7 QP | 43.5 | -7.8 | 2.00 V | 195 | 52.1 | -16.4 |
| 4 | 300.53 | 39.7 QP | 46.0 | -6.3 | 2.00 V | 165 | 52.1 | -12.4 |
| 5 | 434.54 | 31.5 QP | 46.0 | -14.5 | 1.00 V | 241 | 40.2 | -8.7 |
| 6 | 520.38 | 39.5 QP | 46.0 | -6.5 | 1.50 V | 250 | 46.7 | -7.2 |

**Remarks:**

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



## 7.9 Unwanted Emissions above 1 GHz

### Mode A

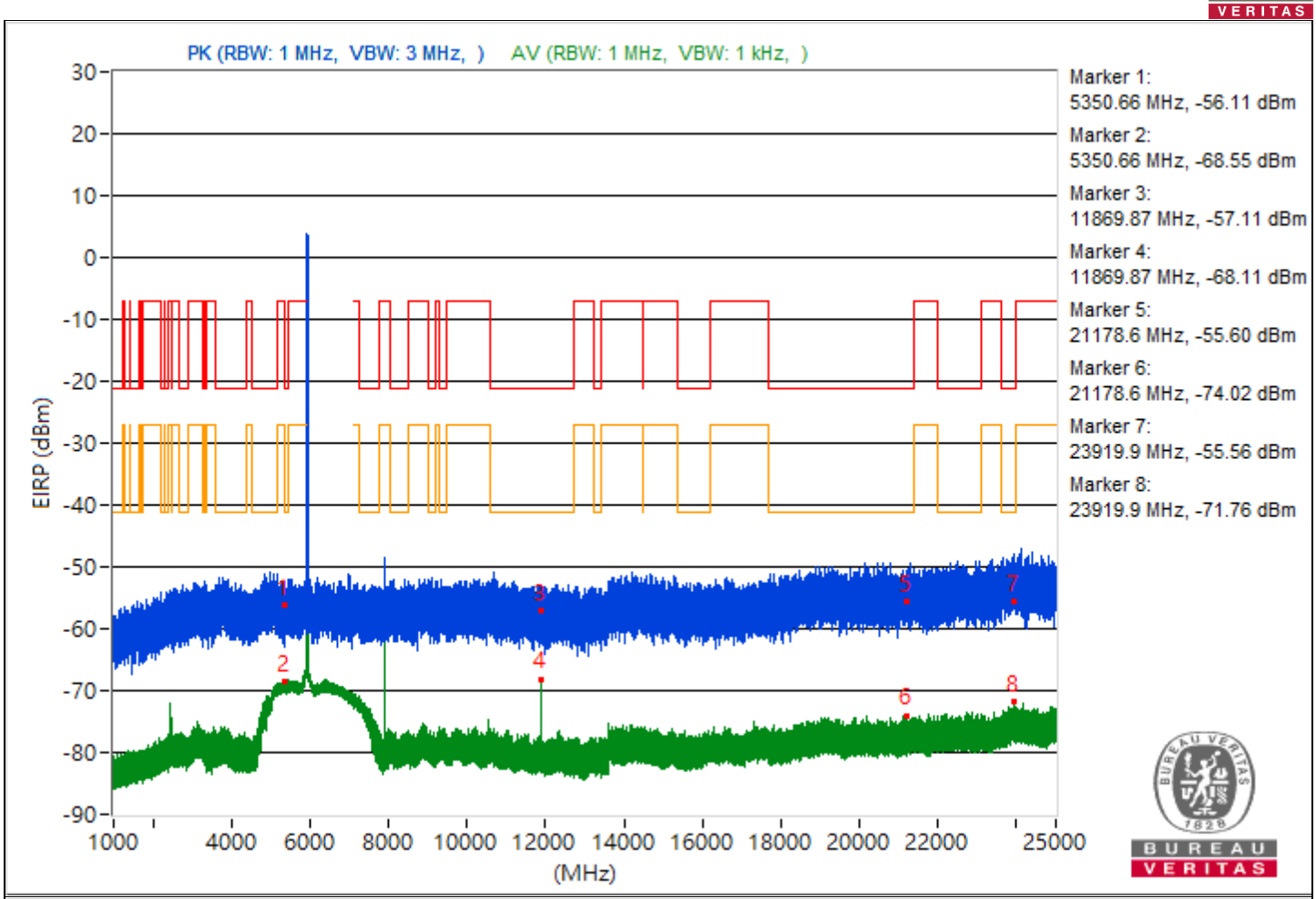
### 1Tx

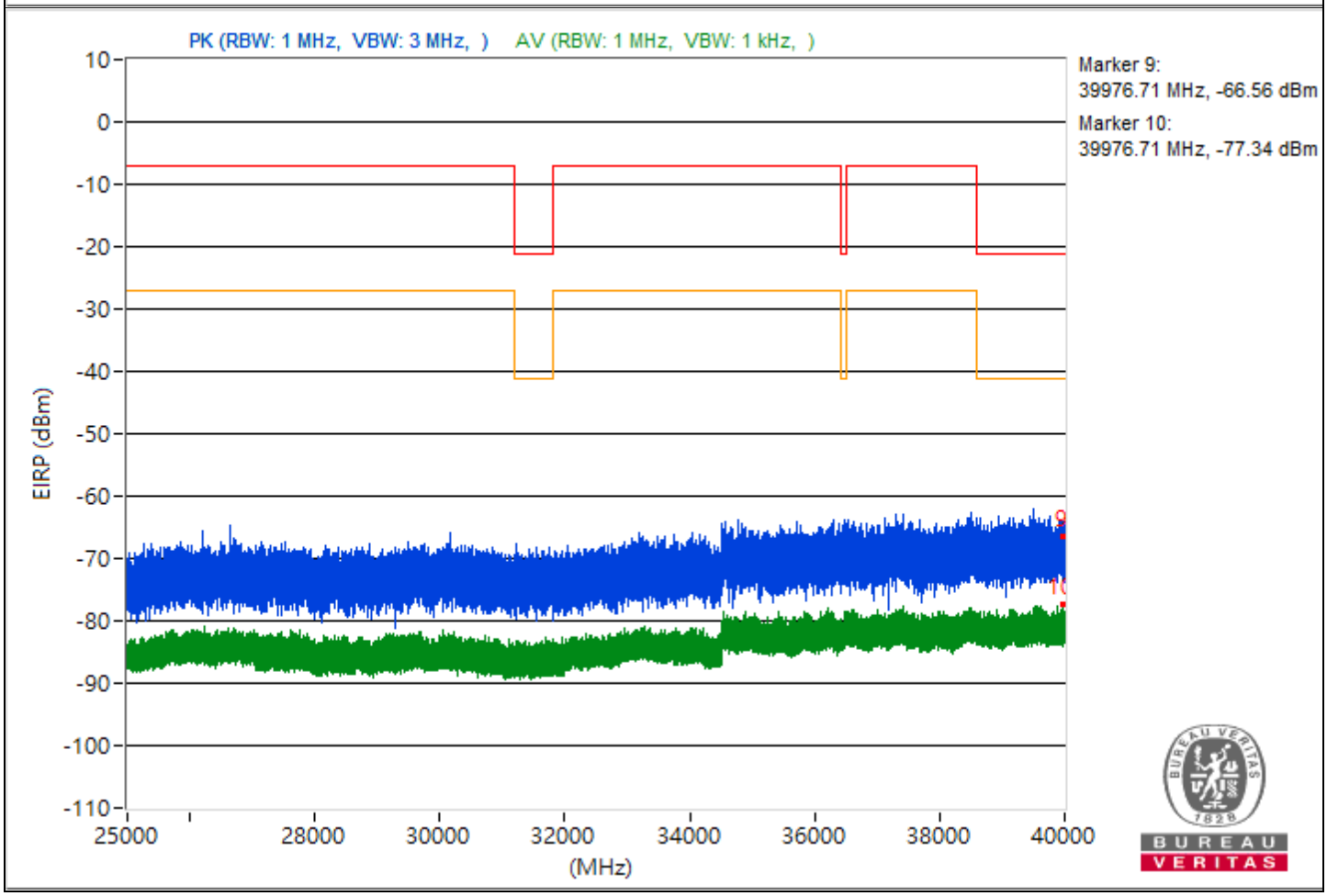
### Conducted Unwanted Emissions

| | | | |
|---|---|---|---|
| RF Mode | 802.11a | Channel | CH 2：5935 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5350.66 | 39.15 PK | 74 | -34.85 | -61.27 | 5.16 | -56.11 |
| 2 | 5350.66 | 26.71 AV | 54 | -27.29 | -73.71 | 5.16 | -68.55 |
| 3 | 11869.87 | 38.15 PK | 74 | -35.85 | -62.27 | 5.16 | -57.11 |
| 4 | 11869.87 | 27.15 AV | 54 | -26.85 | -73.27 | 5.16 | -68.11 |
| 5 | 21178.6 | 39.66 PK | 74 | -34.34 | -60.76 | 5.16 | -55.6 |
| 6 | 21178.6 | 21.24 AV | 54 | -32.76 | -79.18 | 5.16 | -74.02 |
| 7 | 23919.9 | 39.7 PK | 74 | -34.3 | -60.72 | 5.16 | -55.56 |
| 8 | 23919.9 | 23.5 AV | 54 | -30.5 | -76.92 | 5.16 | -71.76 |
| 9 | 39976.71 | 28.7 PK | 74 | -45.3 | -71.72 | 5.16 | -66.56 |
| 10 | 39976.71 | 17.92 AV | 54 | -36.08 | -82.5 | 5.16 | -77.34 |

Note: Margin value = Emission Level - Limit value

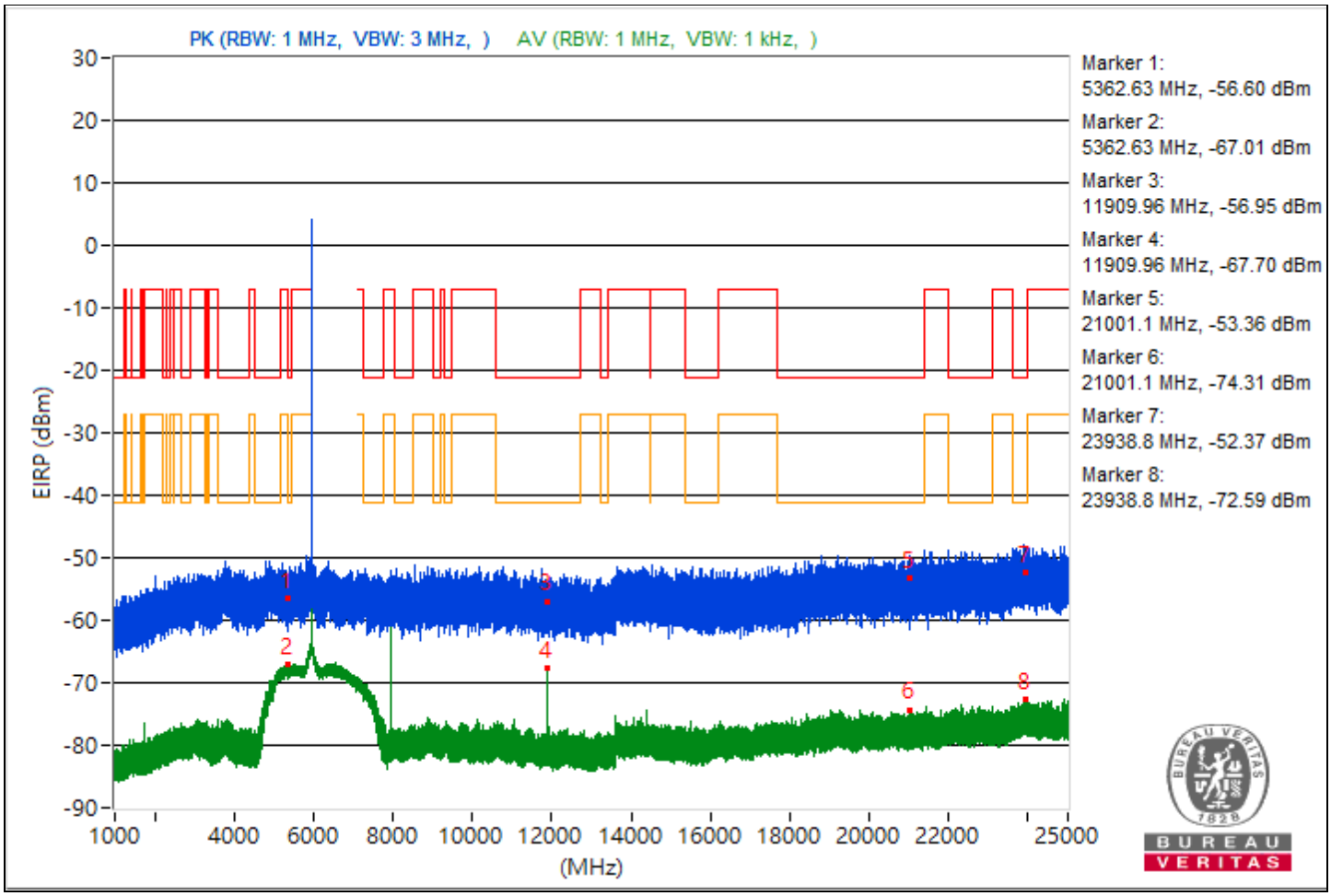

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
EIRP (dBm)
(MHz)
Marker 1:
5350.66 MHz, -56.11 dBm
Marker 2:
5350.66 MHz, -68.55 dBm
Marker 3:
11869.87 MHz, -57.11 dBm
Marker 4:
11869.87 MHz, -68.11 dBm
Marker 5:
21178.6 MHz, -55.60 dBm
Marker 6:
21178.6 MHz, -74.02 dBm
Marker 7:
23919.9 MHz, -55.56 dBm
Marker 8:
23919.9 MHz, -71.76 dBm

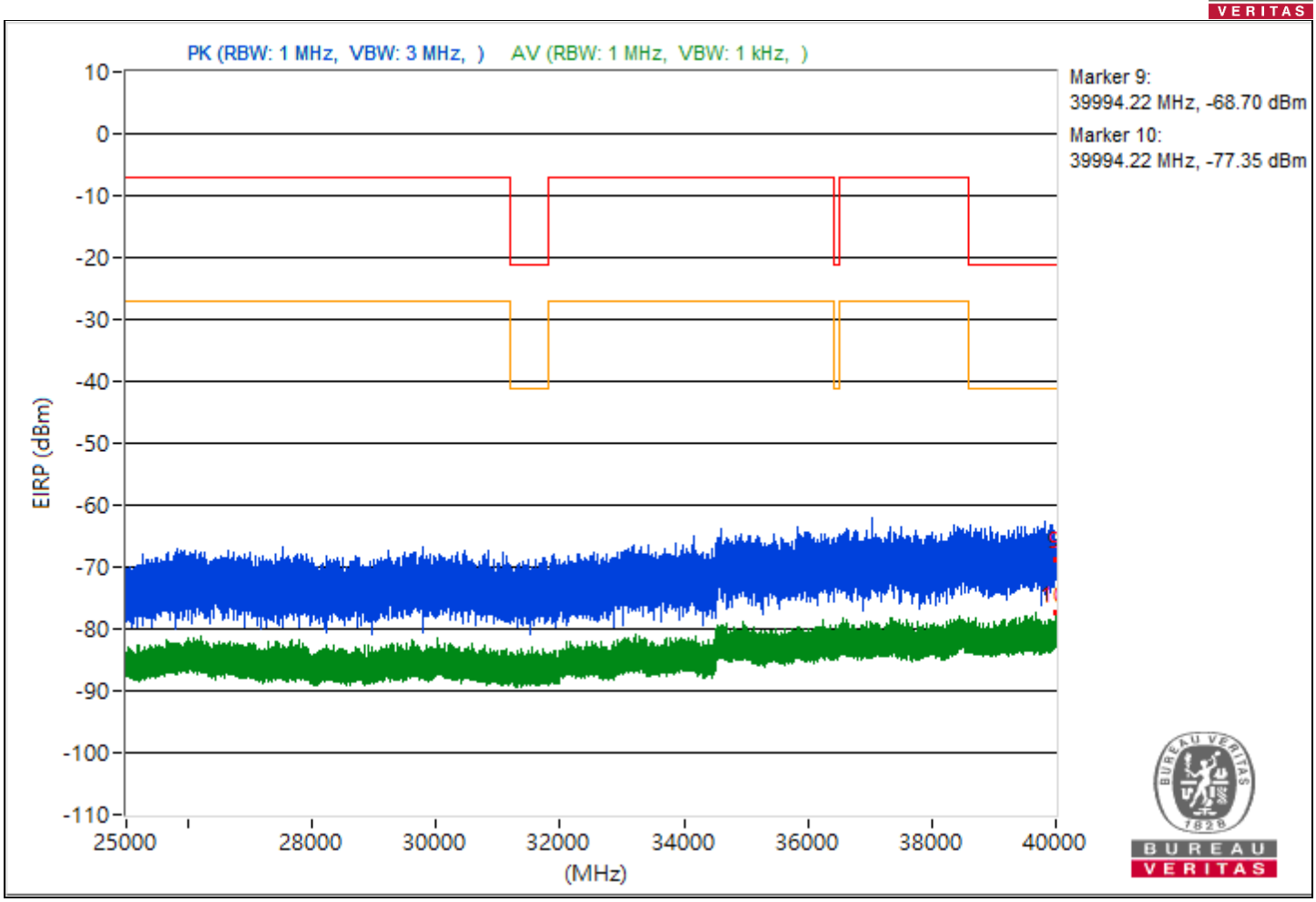

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
EIRP (dBm)
(MHz)
Marker 9:
39976.71 MHz, -66.56 dBm
Marker 10:
39976.71 MHz, -77.34 dBm

| | | | |
|---|---|---|---|
| RF Mode | 802.11a | Channel | CH 1：5955 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5362.63 | 38.66 PK | 74 | -35.34 | -61.76 | 5.16 | -56.6 |
| 2 | 5362.63 | 28.25 AV | 54 | -25.75 | -72.17 | 5.16 | -67.01 |
| 3 | 11909.96 | 38.31 PK | 74 | -35.69 | -62.11 | 5.16 | -56.95 |
| 4 | 11909.96 | 27.56 AV | 54 | -26.44 | -72.86 | 5.16 | -67.7 |
| 5 | 21001.1 | 41.9 PK | 74 | -32.1 | -58.52 | 5.16 | -53.36 |
| 6 | 21001.1 | 20.95 AV | 54 | -33.05 | -79.47 | 5.16 | -74.31 |
| 7 | 23938.8 | 42.89 PK | 74 | -31.11 | -57.53 | 5.16 | -52.37 |
| 8 | 23938.8 | 22.67 AV | 54 | -31.33 | -77.75 | 5.16 | -72.59 |
| 9 | 39994.22 | 26.56 PK | 74 | -47.44 | -73.86 | 5.16 | -68.7 |
| 10 | 39994.22 | 17.91 AV | 54 | -36.09 | -82.51 | 5.16 | -77.35 |

Note: Margin value = Emission Level - Limit value

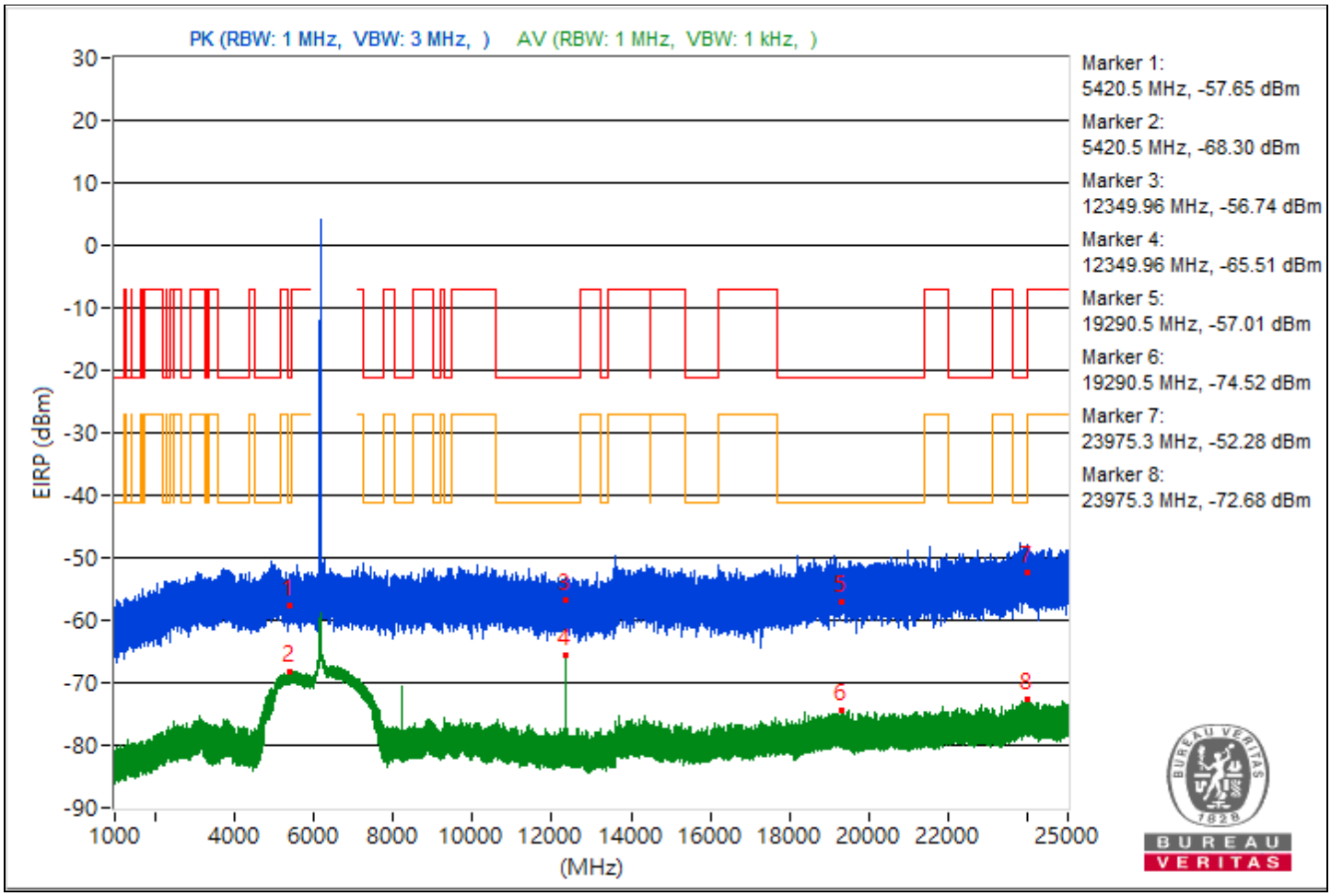


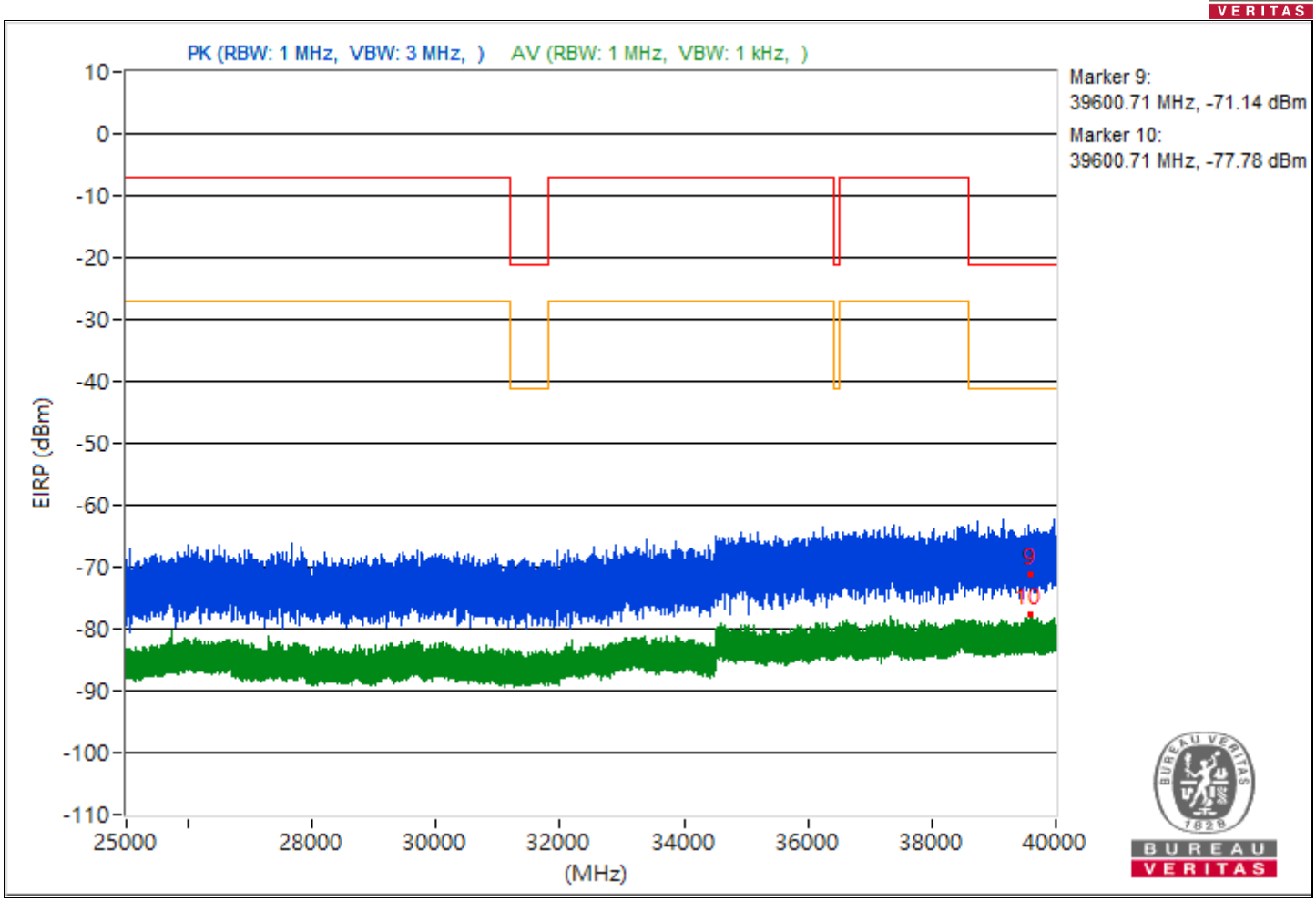

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39994.22 MHz, -68.70 dBm
Marker 10:
39994.22 MHz, -77.35 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11a | Channel | CH 45：6175 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5420.5 | 37.61 PK | 74 | -36.39 | -62.81 | 5.16 | -57.65 |
| 2 | 5420.5 | 26.96 AV | 54 | -27.04 | -73.46 | 5.16 | -68.3 |
| 3 | 12349.96 | 38.52 PK | 74 | -35.48 | -61.9 | 5.16 | -56.74 |
| 4 | 12349.96 | 29.75 AV | 54 | -24.25 | -70.67 | 5.16 | -65.51 |
| 5 | 19290.5 | 38.25 PK | 74 | -35.75 | -62.17 | 5.16 | -57.01 |
| 6 | 19290.5 | 20.74 AV | 54 | -33.26 | -79.68 | 5.16 | -74.52 |
| 7 | 23975.3 | 42.98 PK | 74 | -31.02 | -57.44 | 5.16 | -52.28 |
| 8 | 23975.3 | 22.58 AV | 54 | -31.42 | -77.84 | 5.16 | -72.68 |
| 9 | 39600.71 | 24.12 PK | 74 | -49.88 | -76.3 | 5.16 | -71.14 |
| 10 | 39600.71 | 17.48 AV | 54 | -36.52 | -82.94 | 5.16 | -77.78 |

Note: Margin value = Emission Level - Limit value

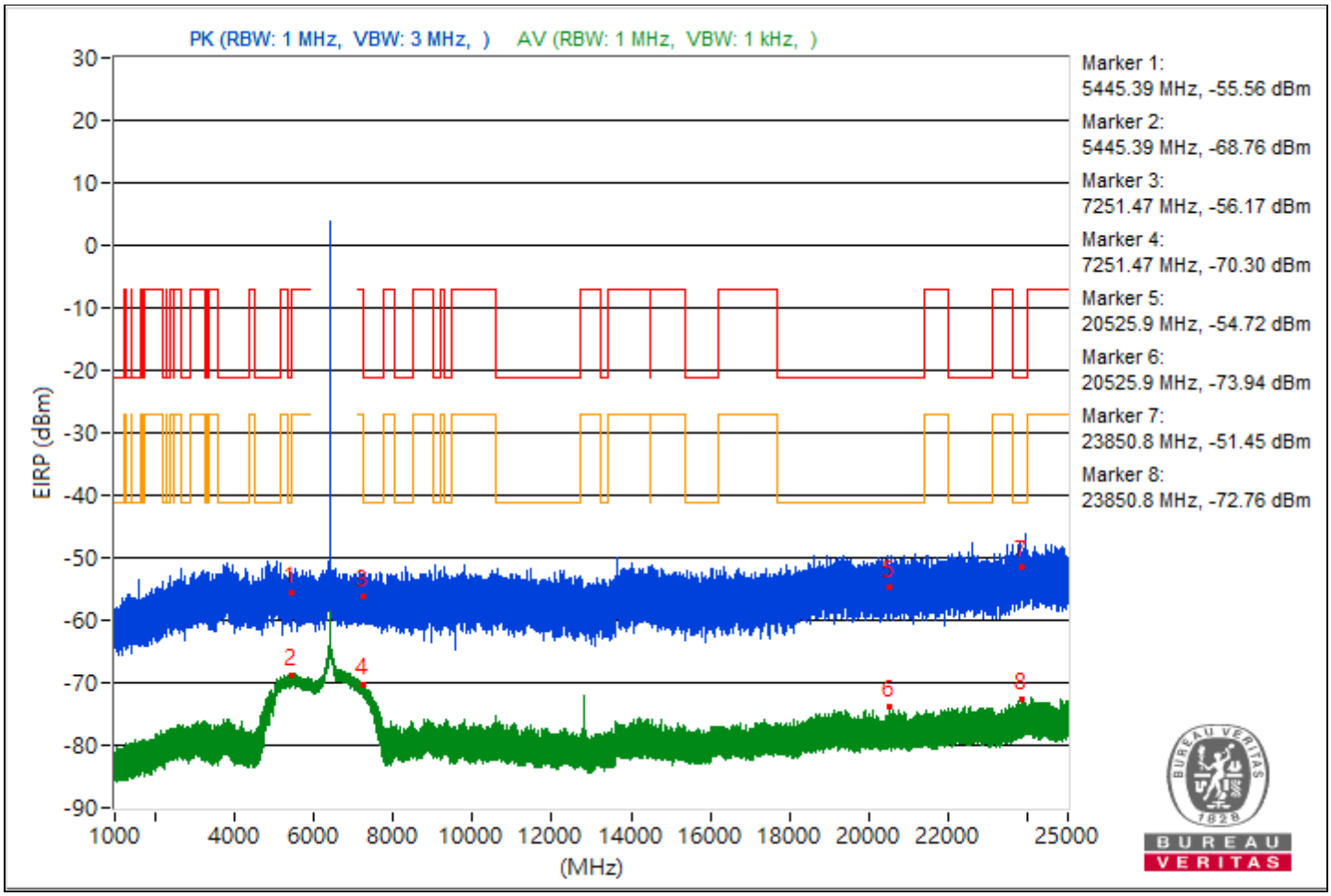


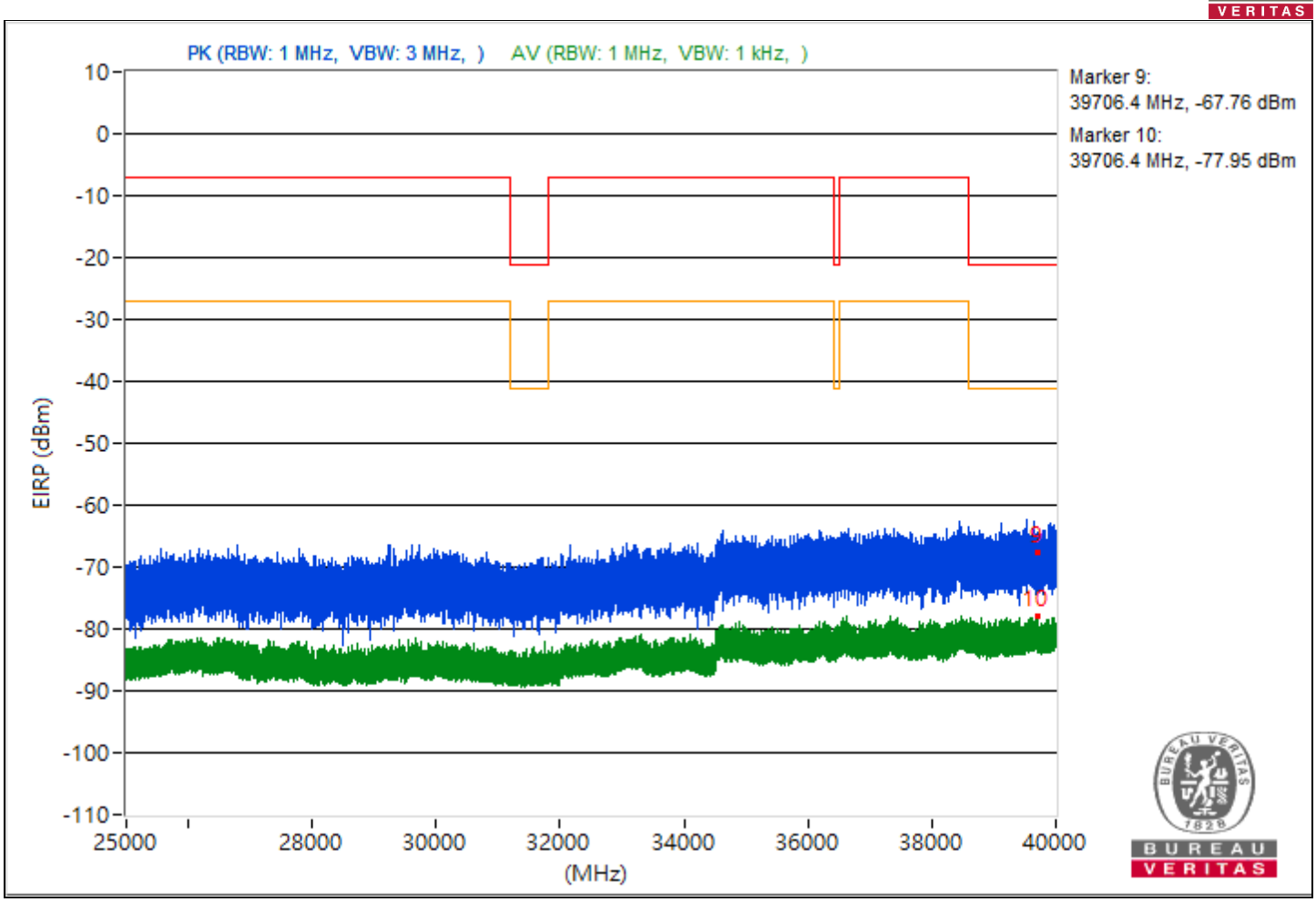

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39600.71 MHz, -71.14 dBm
Marker 10:
39600.71 MHz, -77.78 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11a | Channel | CH 93：6415 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5445.39 | 39.7 PK | 74 | -34.3 | -60.72 | 5.16 | -55.56 |
| 2 | 5445.39 | 26.5 AV | 54 | -27.5 | -73.92 | 5.16 | -68.76 |
| 3 | 7251.47 | 39.09 PK | 74 | -34.91 | -61.33 | 5.16 | -56.17 |
| 4 | 7251.47 | 24.96 AV | 54 | -29.04 | -75.46 | 5.16 | -70.3 |
| 5 | 20525.9 | 40.54 PK | 74 | -33.46 | -59.88 | 5.16 | -54.72 |
| 6 | 20525.9 | 21.32 AV | 54 | -32.68 | -79.1 | 5.16 | -73.94 |
| 7 | 23850.8 | 43.81 PK | 74 | -30.19 | -56.61 | 5.16 | -51.45 |
| 8 | 23850.8 | 22.5 AV | 54 | -31.5 | -77.92 | 5.16 | -72.76 |
| 9 | 39706.4 | 27.5 PK | 74 | -46.5 | -72.92 | 5.16 | -67.76 |
| 10 | 39706.4 | 17.31 AV | 54 | -36.69 | -83.11 | 5.16 | -77.95 |

Note: Margin value = Emission Level - Limit value

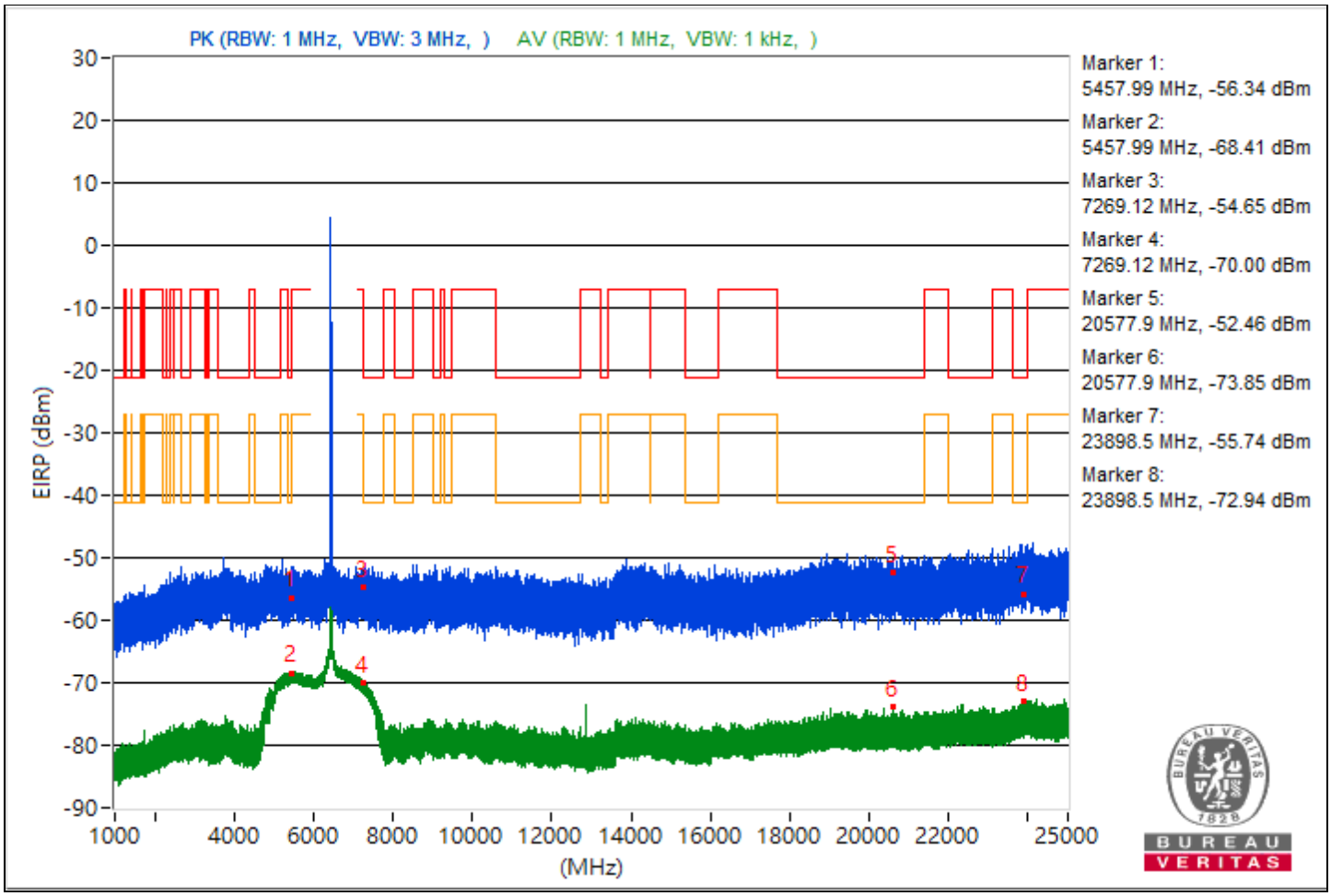


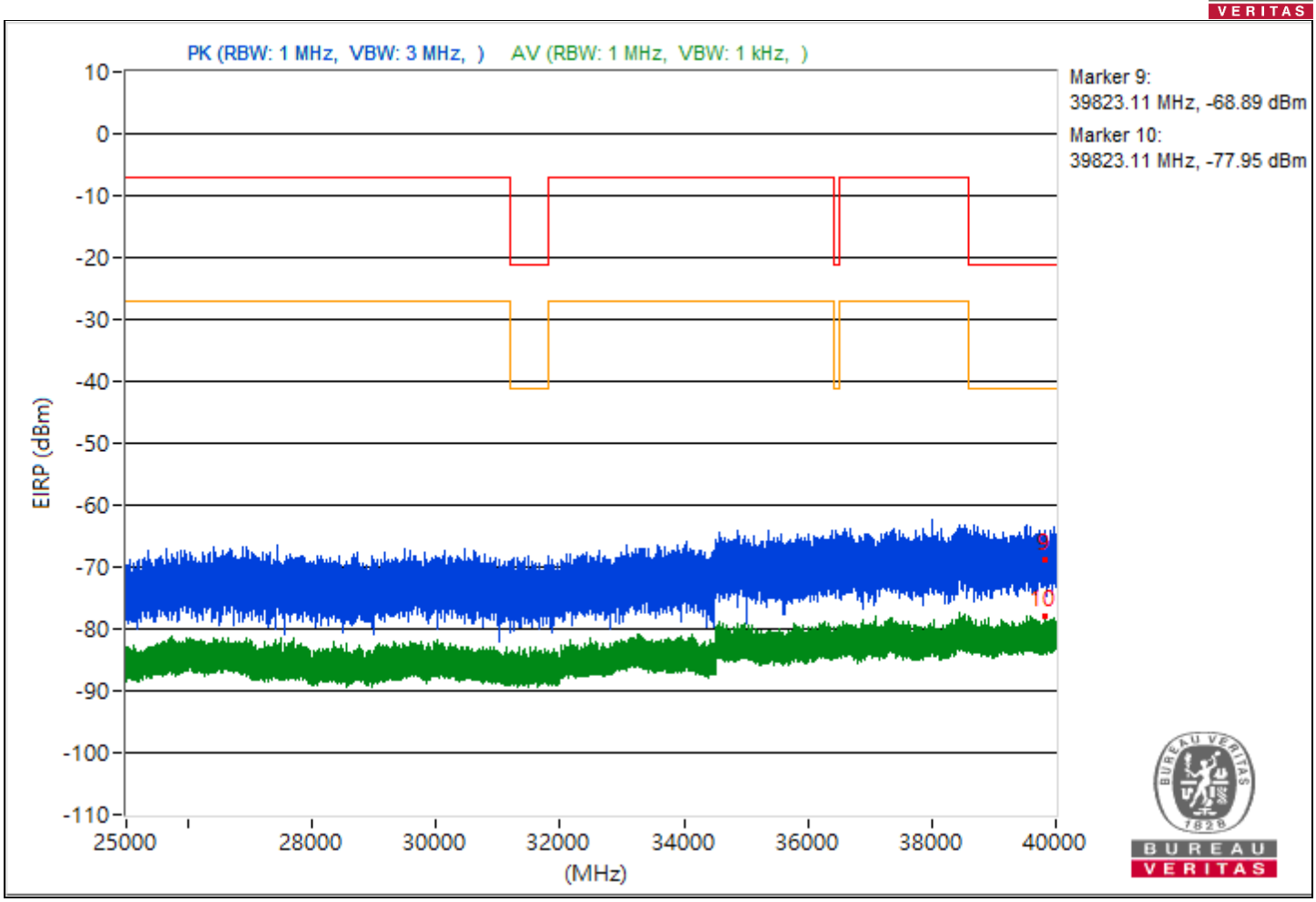

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39706.4 MHz, -67.76 dBm
Marker 10:
39706.4 MHz, -77.95 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11a | Channel | CH 97：6435 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5457.99 | 38.92 PK | 74 | -35.08 | -61.5 | 5.16 | -56.34 |
| 2 | 5457.99 | 26.85 AV | 54 | -27.15 | -73.57 | 5.16 | -68.41 |
| 3 | 7269.12 | 40.61 PK | 74 | -33.39 | -59.81 | 5.16 | -54.65 |
| 4 | 7269.12 | 25.26 AV | 54 | -28.74 | -75.16 | 5.16 | -70 |
| 5 | 20577.9 | 42.8 PK | 74 | -31.2 | -57.62 | 5.16 | -52.46 |
| 6 | 20577.9 | 21.41 AV | 54 | -32.59 | -79.01 | 5.16 | -73.85 |
| 7 | 23898.5 | 39.52 PK | 74 | -34.48 | -60.9 | 5.16 | -55.74 |
| 8 | 23898.5 | 22.32 AV | 54 | -31.68 | -78.1 | 5.16 | -72.94 |
| 9 | 39823.11 | 26.37 PK | 74 | -47.63 | -74.05 | 5.16 | -68.89 |
| 10 | 39823.11 | 17.31 AV | 54 | -36.69 | -83.11 | 5.16 | -77.95 |

Note: Margin value = Emission Level - Limit value

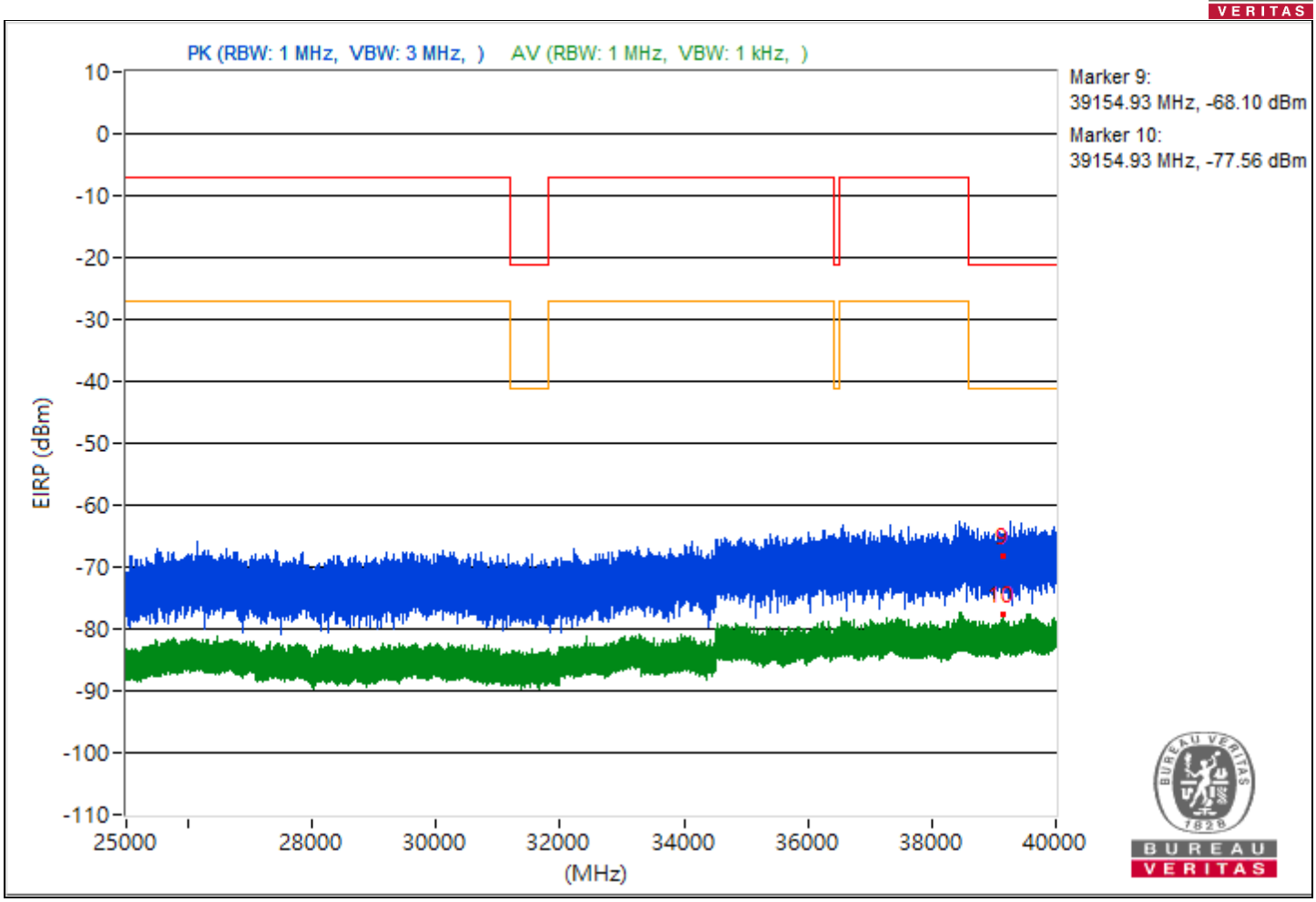



PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39823.11 MHz, -68.89 dBm
Marker 10:
39823.11 MHz, -77.95 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11a | Channel | CH 105：6475 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5446.56 | 39.14 PK | 74 | -34.86 | -61.28 | 5.16 | -56.12 |
| 2 | 5446.56 | 26.95 AV | 54 | -27.05 | -73.47 | 5.16 | -68.31 |
| 3 | 7273.17 | 40.68 PK | 74 | -33.32 | -59.74 | 5.16 | -54.58 |
| 4 | 7273.17 | 25.3 AV | 54 | -28.7 | -75.12 | 5.16 | -69.96 |
| 5 | 20644.6 | 37.28 PK | 74 | -36.72 | -63.14 | 5.16 | -57.98 |
| 6 | 20644.6 | 21.02 AV | 54 | -32.98 | -79.4 | 5.16 | -74.24 |
| 7 | 23736.2 | 43.24 PK | 74 | -30.76 | -57.18 | 5.16 | -52.02 |
| 8 | 23736.2 | 22.61 AV | 54 | -31.39 | -77.81 | 5.16 | -72.65 |
| 9 | 39154.93 | 27.16 PK | 74 | -46.84 | -73.26 | 5.16 | -68.1 |
| 10 | 39154.93 | 17.7 AV | 54 | -36.3 | -82.72 | 5.16 | -77.56 |

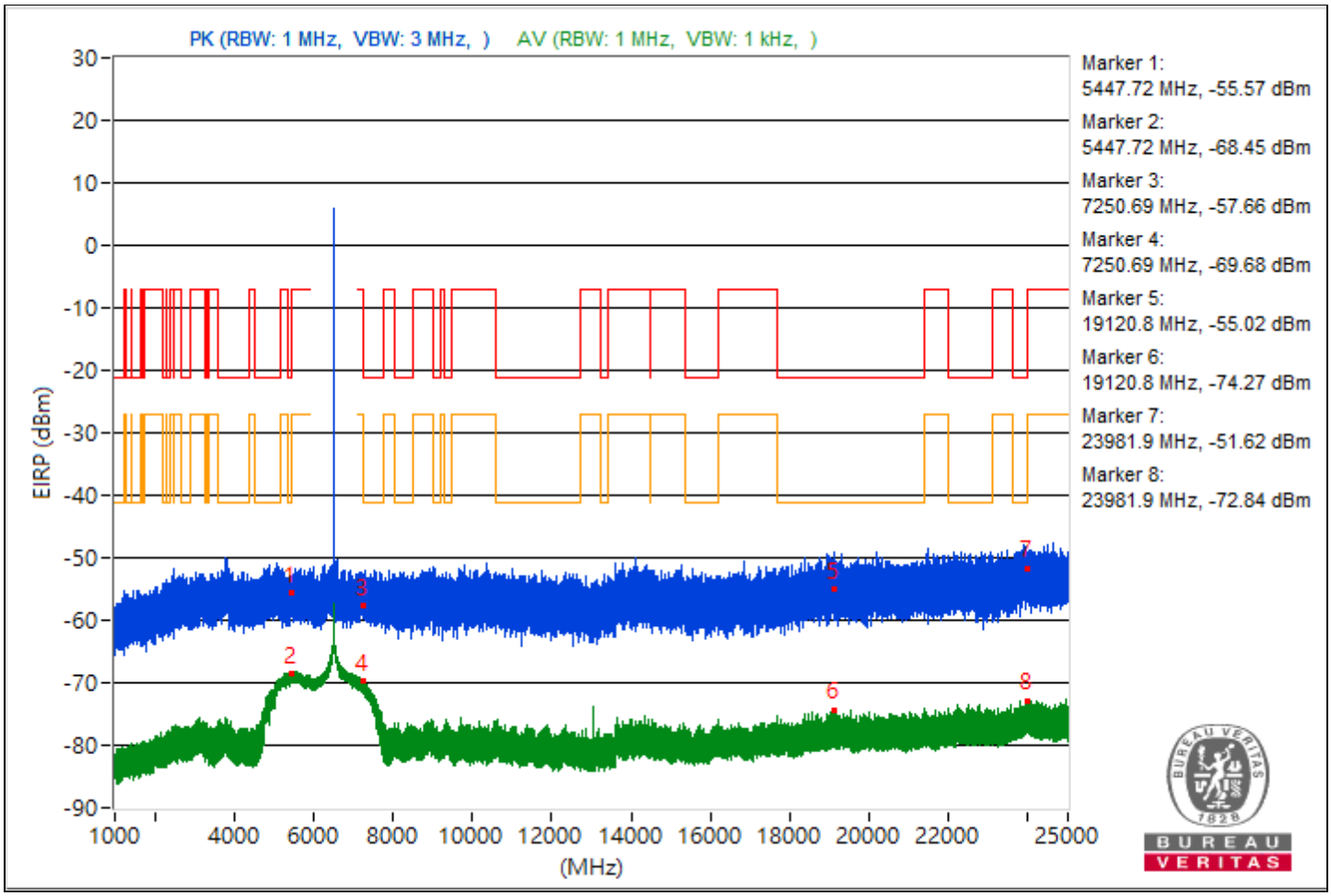
Note: Margin value = Emission Level - Limit value

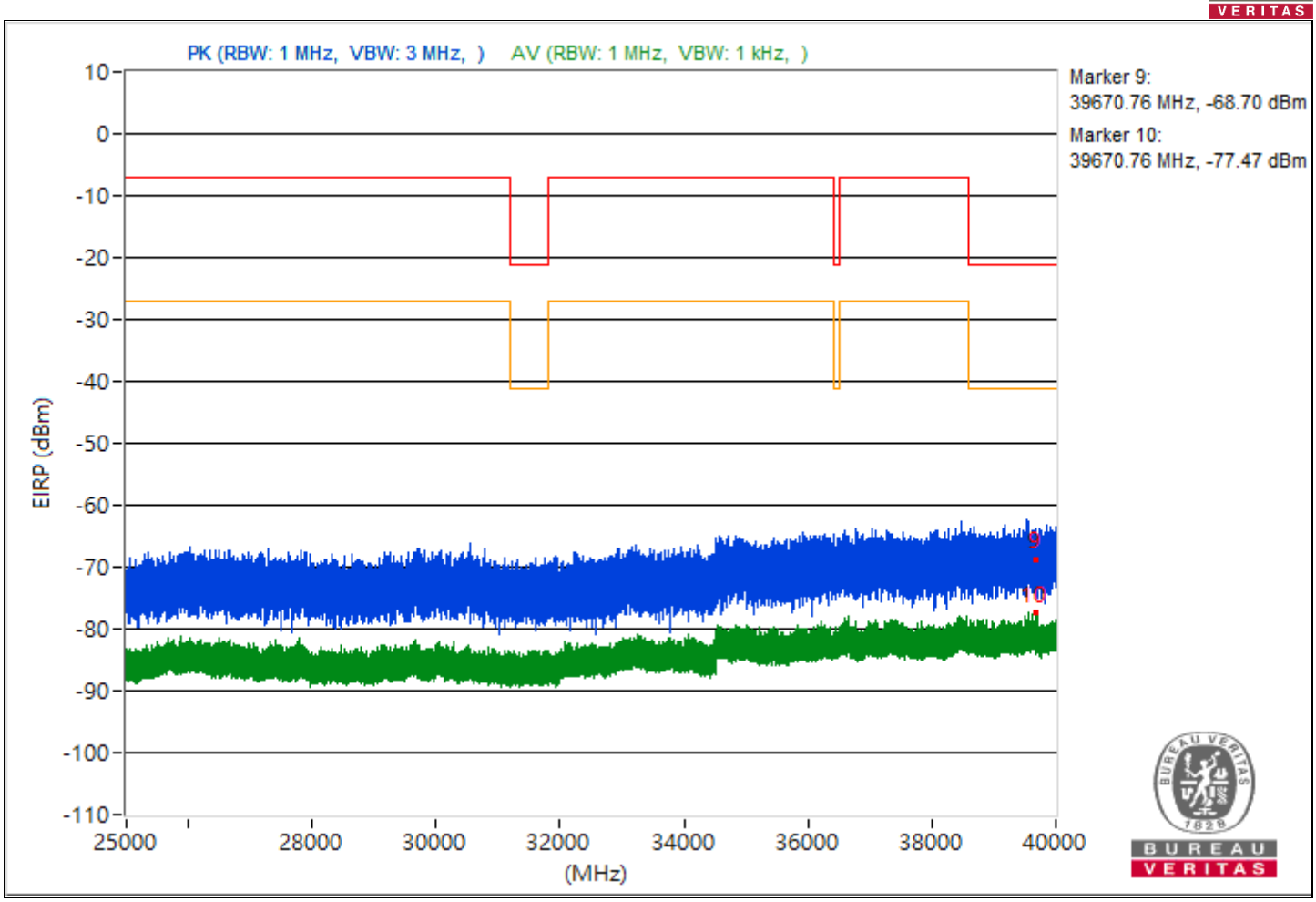

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39154.93 MHz, -68.10 dBm
Marker 10:
39154.93 MHz, -77.56 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11a | Channel | CH 113：6515 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5447.72 | 39.69 PK | 74 | -34.31 | -60.73 | 5.16 | -55.57 |
| 2 | 5447.72 | 26.81 AV | 54 | -27.19 | -73.61 | 5.16 | -68.45 |
| 3 | 7250.69 | 37.6 PK | 74 | -36.4 | -62.82 | 5.16 | -57.66 |
| 4 | 7250.69 | 25.58 AV | 54 | -28.42 | -74.84 | 5.16 | -69.68 |
| 5 | 19120.8 | 40.24 PK | 74 | -33.76 | -60.18 | 5.16 | -55.02 |
| 6 | 19120.8 | 20.99 AV | 54 | -33.01 | -79.43 | 5.16 | -74.27 |
| 7 | 23981.9 | 43.64 PK | 74 | -30.36 | -56.78 | 5.16 | -51.62 |
| 8 | 23981.9 | 22.42 AV | 54 | -31.58 | -78 | 5.16 | -72.84 |
| 9 | 39670.76 | 26.56 PK | 74 | -47.44 | -73.86 | 5.16 | -68.7 |
| 10 | 39670.76 | 17.79 AV | 54 | -36.21 | -82.63 | 5.16 | -77.47 |

Note: Margin value = Emission Level - Limit value

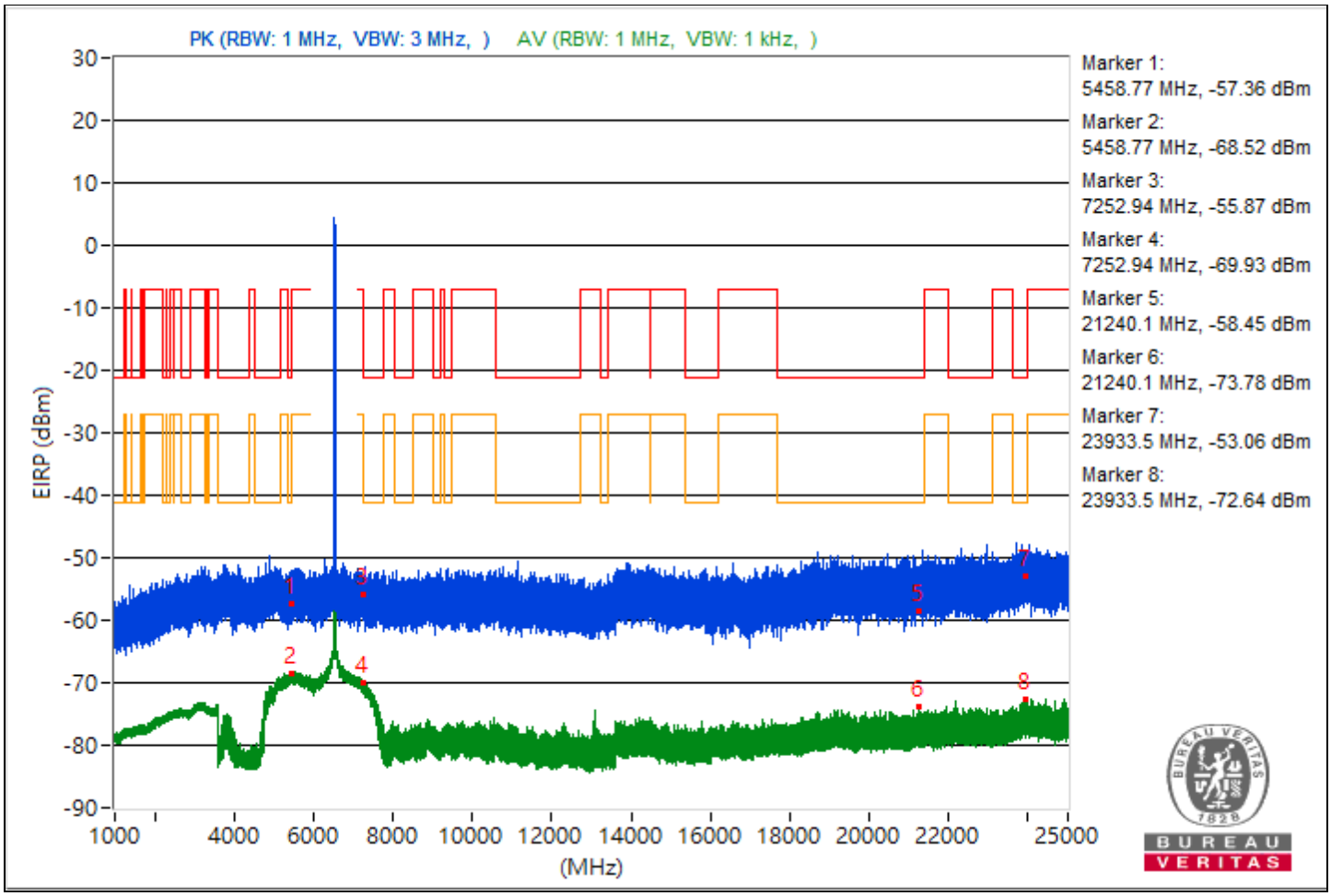


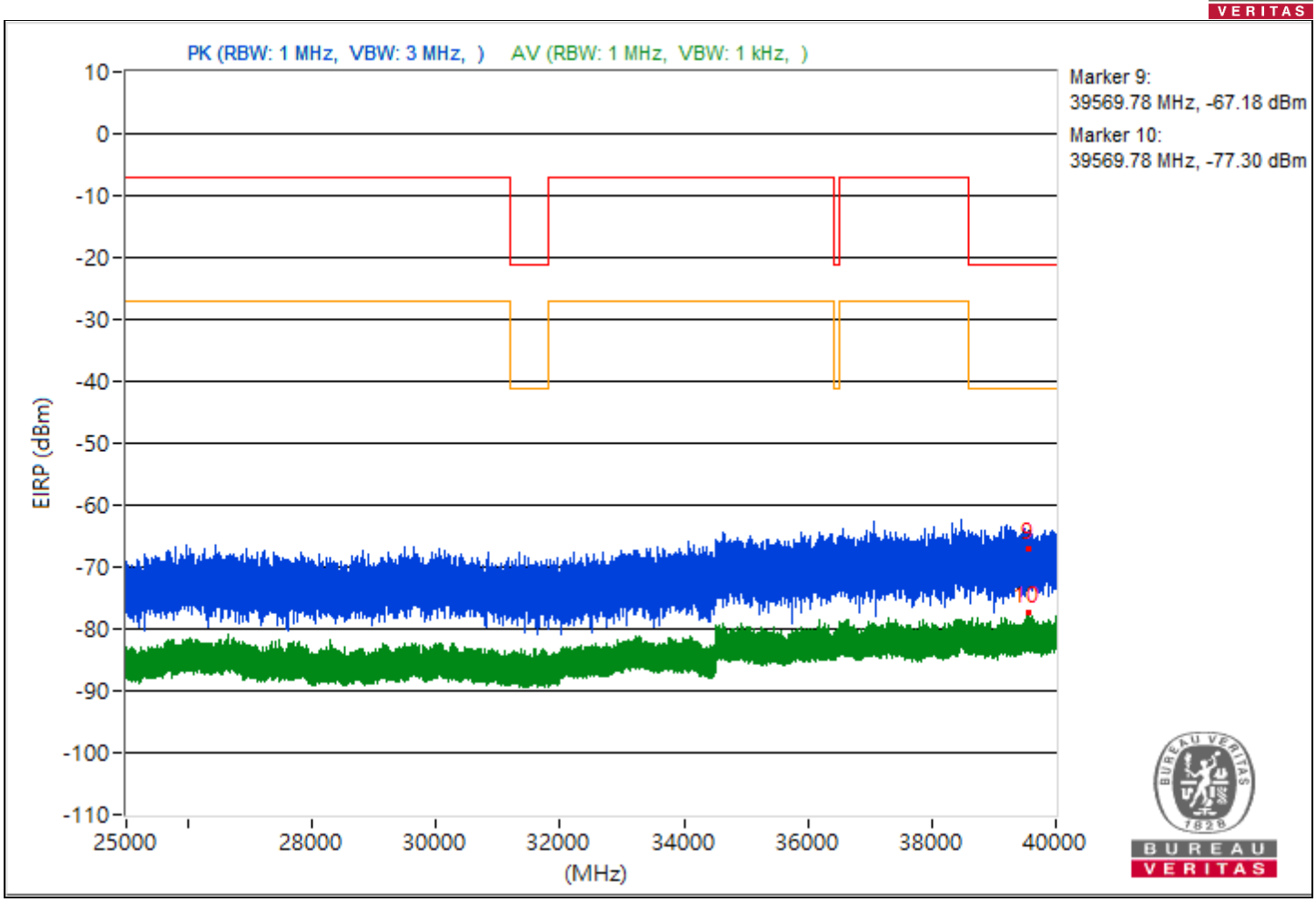

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39670.76 MHz, -68.70 dBm
Marker 10:
39670.76 MHz, -77.47 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11a | Channel | CH 117：6535 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5458.77 | 37.9 PK | 74 | -36.1 | -62.52 | 5.16 | -57.36 |
| 2 | 5458.77 | 26.74 AV | 54 | -27.26 | -73.68 | 5.16 | -68.52 |
| 3 | 7252.94 | 39.39 PK | 74 | -34.61 | -61.03 | 5.16 | -55.87 |
| 4 | 7252.94 | 25.33 AV | 54 | -28.67 | -75.09 | 5.16 | -69.93 |
| 5 | 21240.1 | 36.81 PK | 74 | -37.19 | -63.61 | 5.16 | -58.45 |
| 6 | 21240.1 | 21.48 AV | 54 | -32.52 | -78.94 | 5.16 | -73.78 |
| 7 | 23933.5 | 42.2 PK | 74 | -31.8 | -58.22 | 5.16 | -53.06 |
| 8 | 23933.5 | 22.62 AV | 54 | -31.38 | -77.8 | 5.16 | -72.64 |
| 9 | 39569.78 | 28.08 PK | 74 | -45.92 | -72.34 | 5.16 | -67.18 |
| 10 | 39569.78 | 17.96 AV | 54 | -36.04 | -82.46 | 5.16 | -77.3 |

Note: Margin value = Emission Level - Limit value

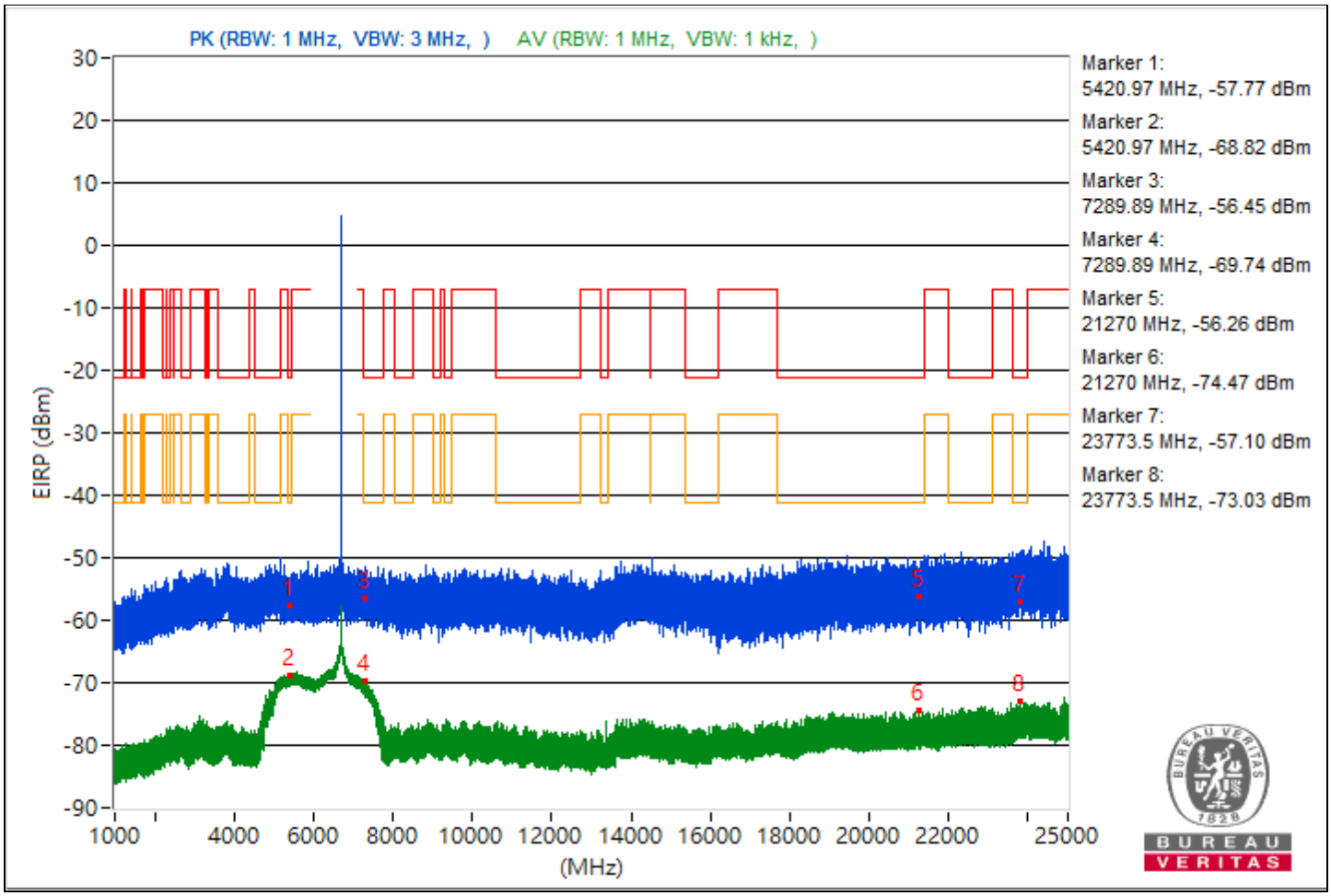


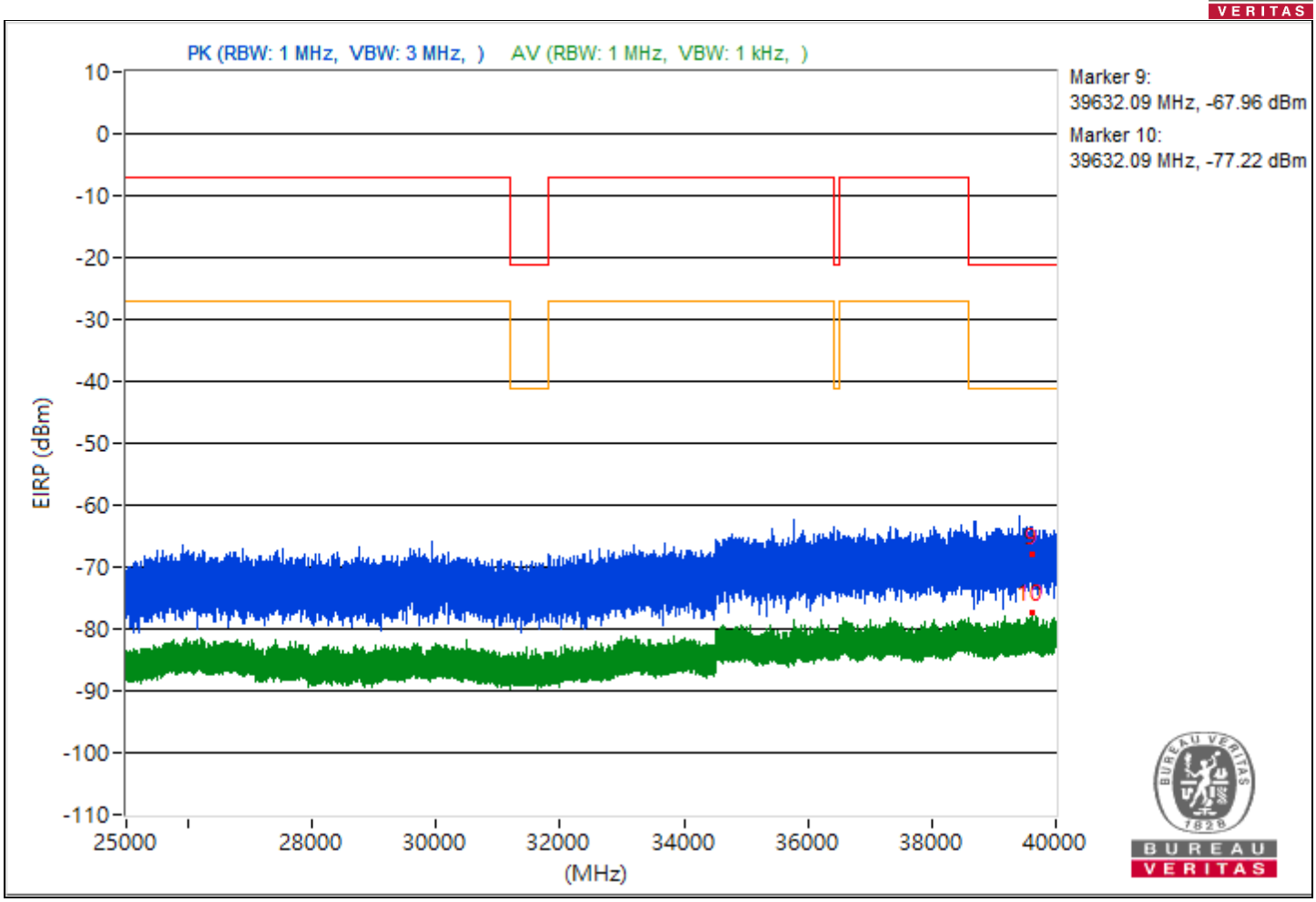

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39569.78 MHz, -67.18 dBm
Marker 10:
39569.78 MHz, -77.30 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11a | Channel | CH 149：6695 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5420.97 | 37.49 PK | 74 | -36.51 | -62.93 | 5.16 | -57.77 |
| 2 | 5420.97 | 26.44 AV | 54 | -27.56 | -73.98 | 5.16 | -68.82 |
| 3 | 7289.89 | 38.81 PK | 74 | -35.19 | -61.61 | 5.16 | -56.45 |
| 4 | 7289.89 | 25.52 AV | 54 | -28.48 | -74.9 | 5.16 | -69.74 |
| 5 | 21270 | 39 PK | 74 | -35 | -61.42 | 5.16 | -56.26 |
| 6 | 21270 | 20.79 AV | 54 | -33.21 | -79.63 | 5.16 | -74.47 |
| 7 | 23773.5 | 38.16 PK | 74 | -35.84 | -62.26 | 5.16 | -57.1 |
| 8 | 23773.5 | 22.23 AV | 54 | -31.77 | -78.19 | 5.16 | -73.03 |
| 9 | 39632.09 | 27.3 PK | 74 | -46.7 | -73.12 | 5.16 | -67.96 |
| 10 | 39632.09 | 18.04 AV | 54 | -35.96 | -82.38 | 5.16 | -77.22 |

Note: Margin value = Emission Level - Limit value

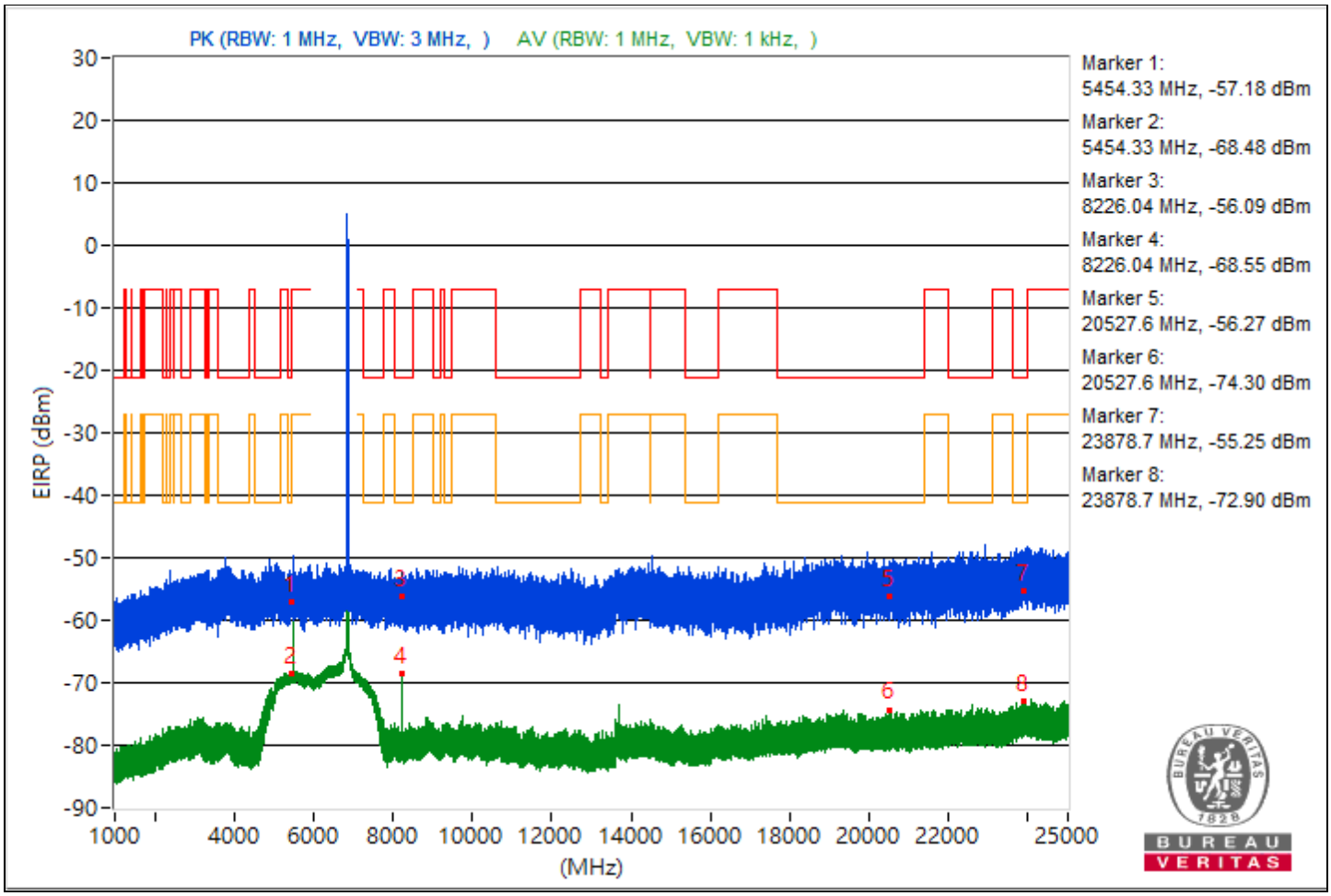


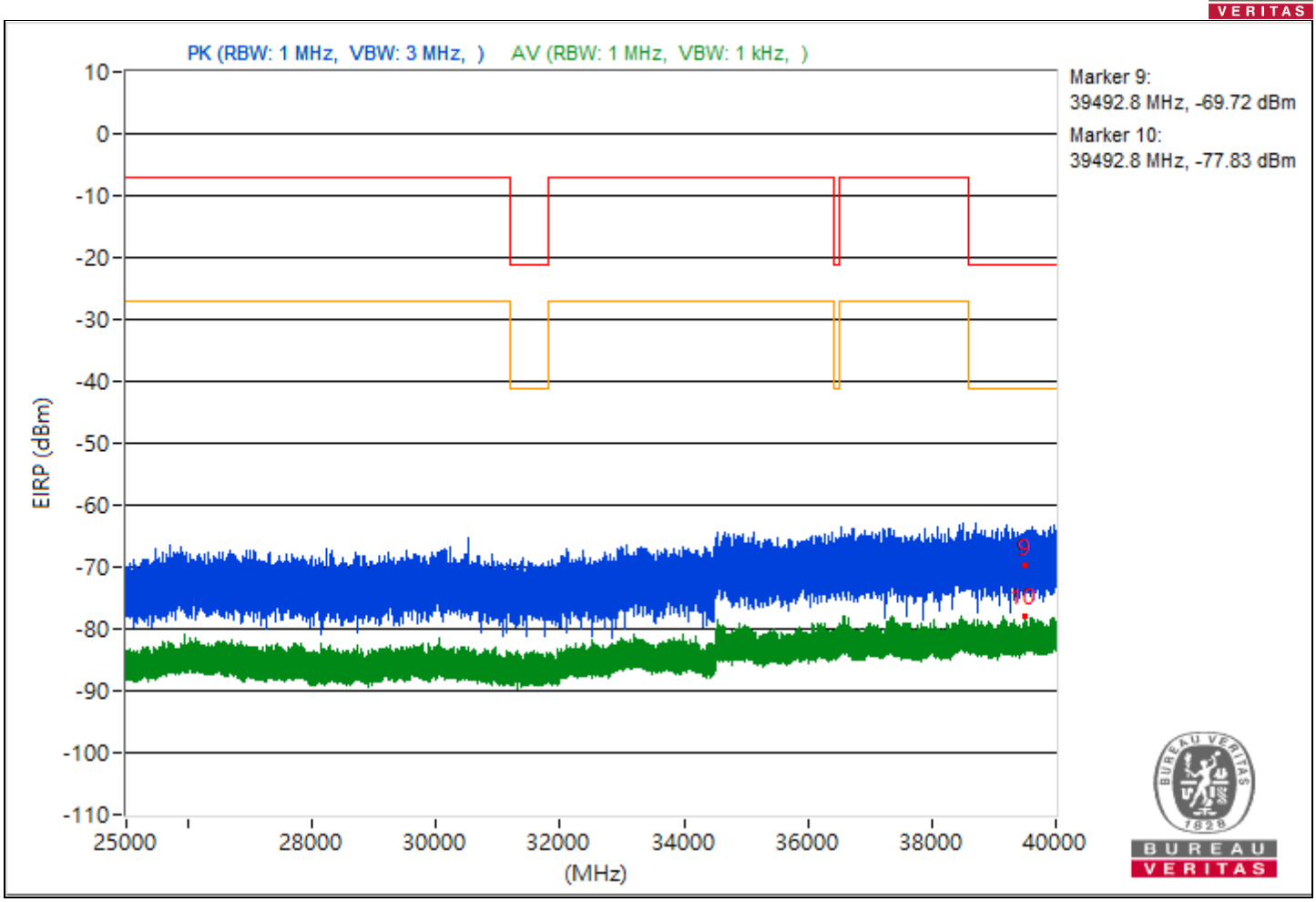

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39632.09 MHz, -67.96 dBm
Marker 10:
39632.09 MHz, -77.22 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11a | Channel | CH 181：6855 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5454.33 | 38.08 PK | 74 | -35.92 | -62.34 | 5.16 | -57.18 |
| 2 | 5454.33 | 26.78 AV | 54 | -27.22 | -73.64 | 5.16 | -68.48 |
| 3 | 8226.04 | 39.17 PK | 74 | -34.83 | -61.25 | 5.16 | -56.09 |
| 4 | 8226.04 | 26.71 AV | 54 | -27.29 | -73.71 | 5.16 | -68.55 |
| 5 | 20527.6 | 38.99 PK | 74 | -35.01 | -61.43 | 5.16 | -56.27 |
| 6 | 20527.6 | 20.96 AV | 54 | -33.04 | -79.46 | 5.16 | -74.3 |
| 7 | 23878.7 | 40.01 PK | 74 | -33.99 | -60.41 | 5.16 | -55.25 |
| 8 | 23878.7 | 22.36 AV | 54 | -31.64 | -78.06 | 5.16 | -72.9 |
| 9 | 39492.8 | 25.54 PK | 74 | -48.46 | -74.88 | 5.16 | -69.72 |
| 10 | 39492.8 | 17.43 AV | 54 | -36.57 | -82.99 | 5.16 | -77.83 |

Note: Margin value = Emission Level - Limit value

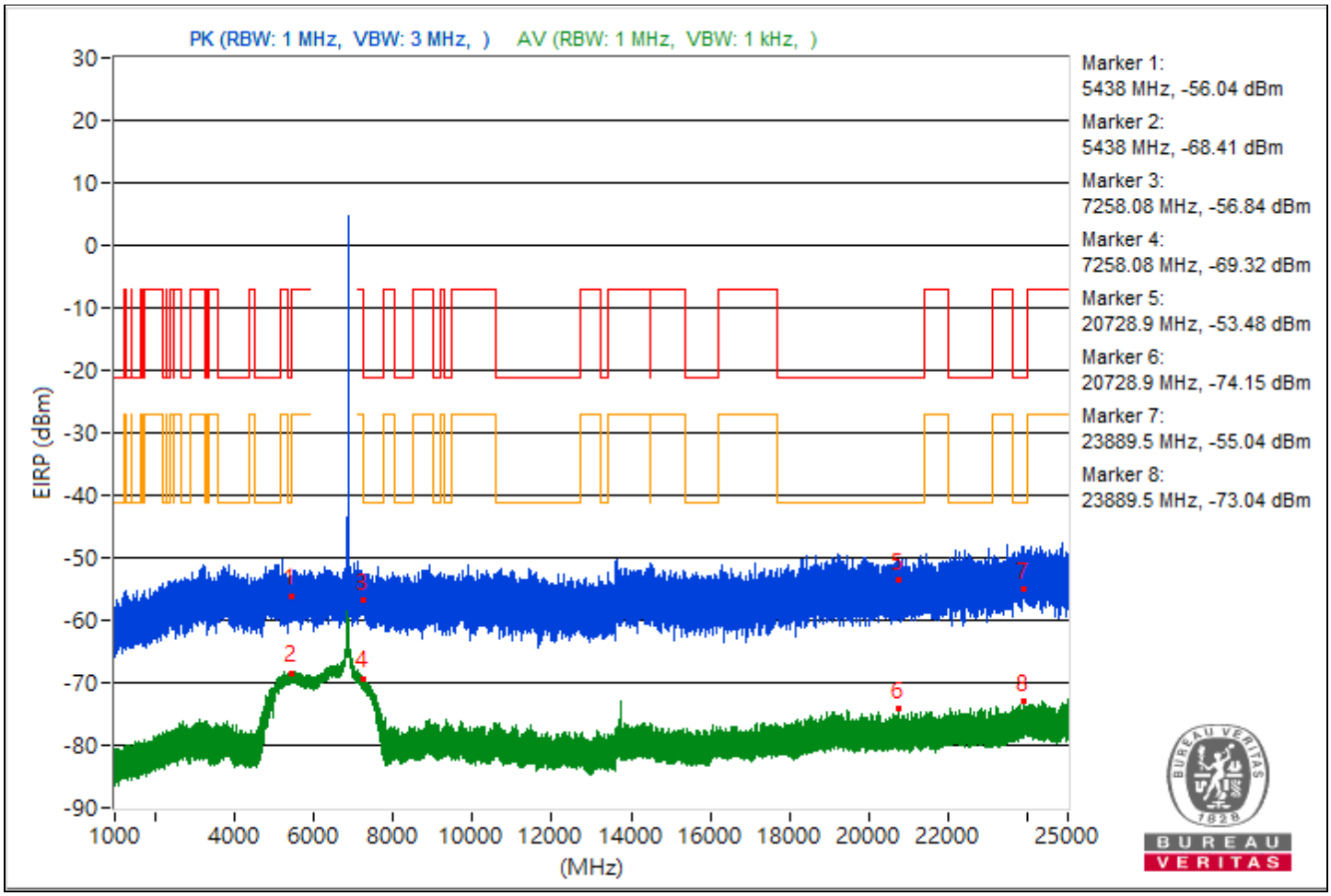


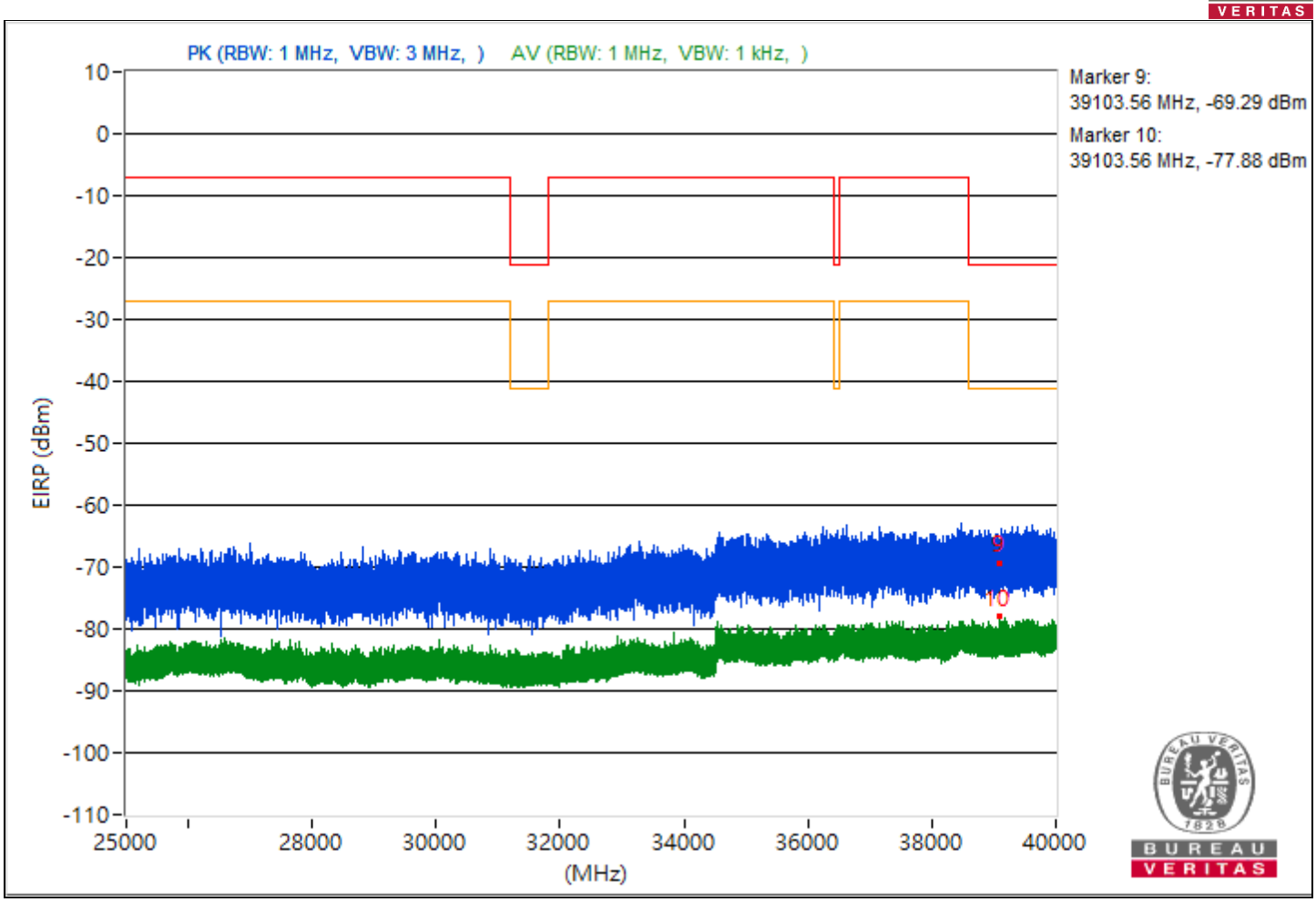

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39492.8 MHz, -69.72 dBm
Marker 10:
39492.8 MHz, -77.83 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| RF Mode | 802.11a | Channel | CH 185：6875 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5438 | 39.22 PK | 74 | -34.78 | -61.2 | 5.16 | -56.04 |
| 2 | 5438 | 26.85 AV | 54 | -27.15 | -73.57 | 5.16 | -68.41 |
| 3 | 7258.08 | 38.42 PK | 74 | -35.58 | -62 | 5.16 | -56.84 |
| 4 | 7258.08 | 25.94 AV | 54 | -28.06 | -74.48 | 5.16 | -69.32 |
| 5 | 20728.9 | 41.78 PK | 74 | -32.22 | -58.64 | 5.16 | -53.48 |
| 6 | 20728.9 | 21.11 AV | 54 | -32.89 | -79.31 | 5.16 | -74.15 |
| 7 | 23889.5 | 40.22 PK | 74 | -33.78 | -60.2 | 5.16 | -55.04 |
| 8 | 23889.5 | 22.22 AV | 54 | -31.78 | -78.2 | 5.16 | -73.04 |
| 9 | 39103.56 | 25.97 PK | 74 | -48.03 | -74.45 | 5.16 | -69.29 |
| 10 | 39103.56 | 17.38 AV | 54 | -36.62 | -83.04 | 5.16 | -77.88 |

Note: Margin value = Emission Level - Limit value

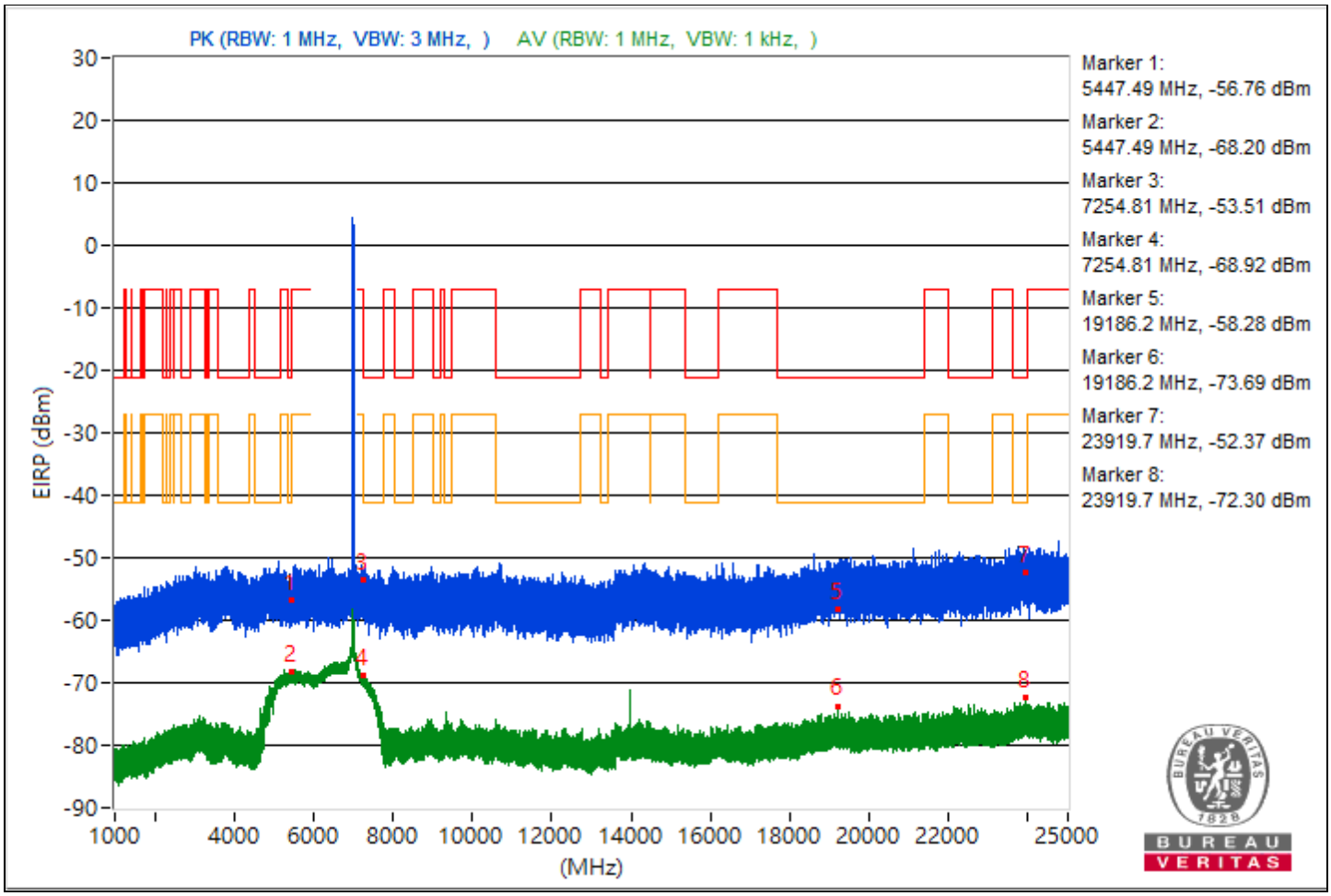


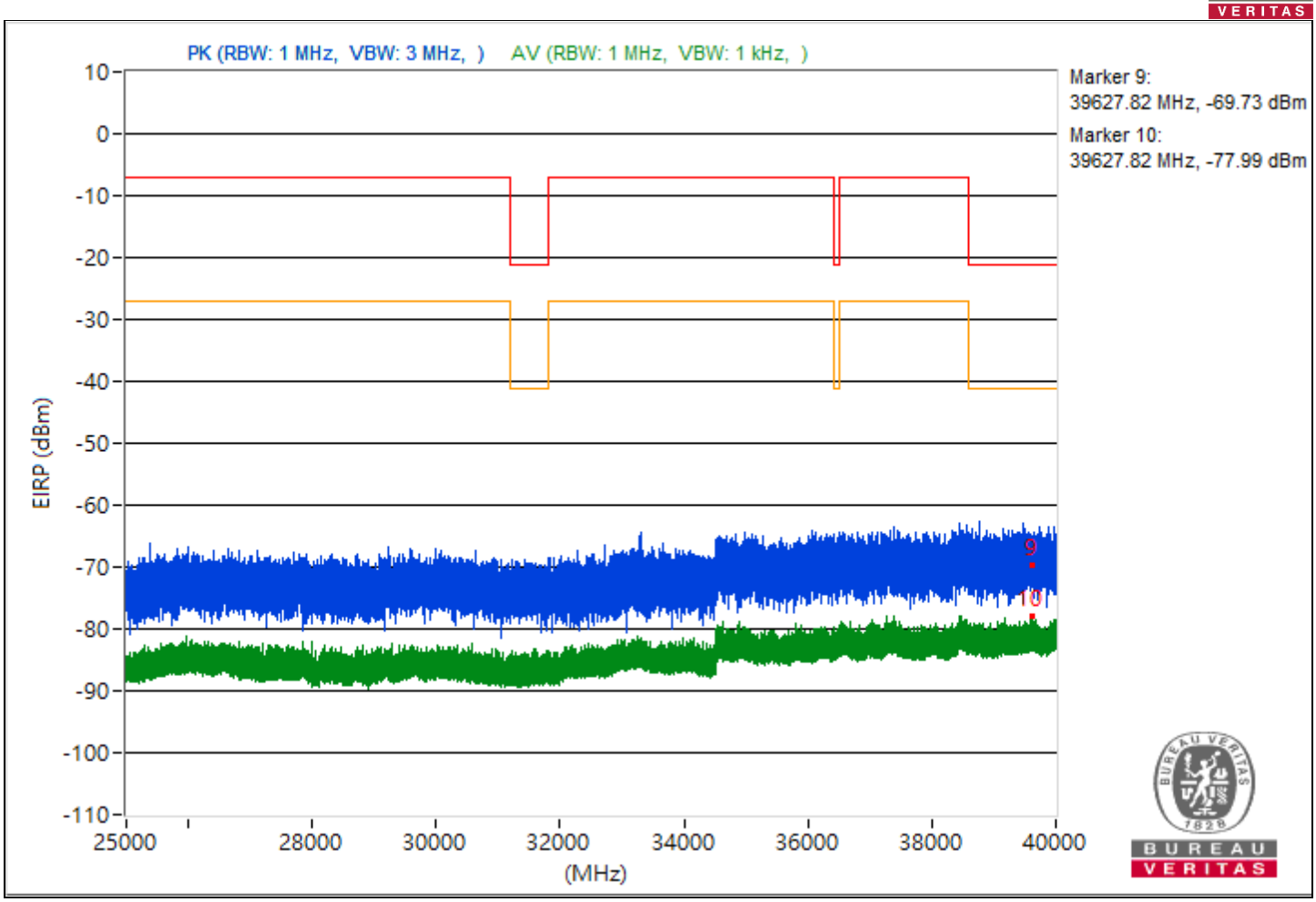

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39103.56 MHz, -69.29 dBm
Marker 10:
39103.56 MHz, -77.88 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11a | Channel | CH 209：6995 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5447.49 | 38.5 PK | 74 | -35.5 | -61.92 | 5.16 | -56.76 |
| 2 | 5447.49 | 27.06 AV | 54 | -26.94 | -73.36 | 5.16 | -68.2 |
| 3 | 7254.81 | 41.75 PK | 74 | -32.25 | -58.67 | 5.16 | -53.51 |
| 4 | 7254.81 | 26.34 AV | 54 | -27.66 | -74.08 | 5.16 | -68.92 |
| 5 | 19186.2 | 36.98 PK | 74 | -37.02 | -63.44 | 5.16 | -58.28 |
| 6 | 19186.2 | 21.57 AV | 54 | -32.43 | -78.85 | 5.16 | -73.69 |
| 7 | 23919.7 | 42.89 PK | 74 | -31.11 | -57.53 | 5.16 | -52.37 |
| 8 | 23919.7 | 22.96 AV | 54 | -31.04 | -77.46 | 5.16 | -72.3 |
| 9 | 39627.82 | 25.53 PK | 74 | -48.47 | -74.89 | 5.16 | -69.73 |
| 10 | 39627.82 | 17.27 AV | 54 | -36.73 | -83.15 | 5.16 | -77.99 |

Note: Margin value = Emission Level - Limit value

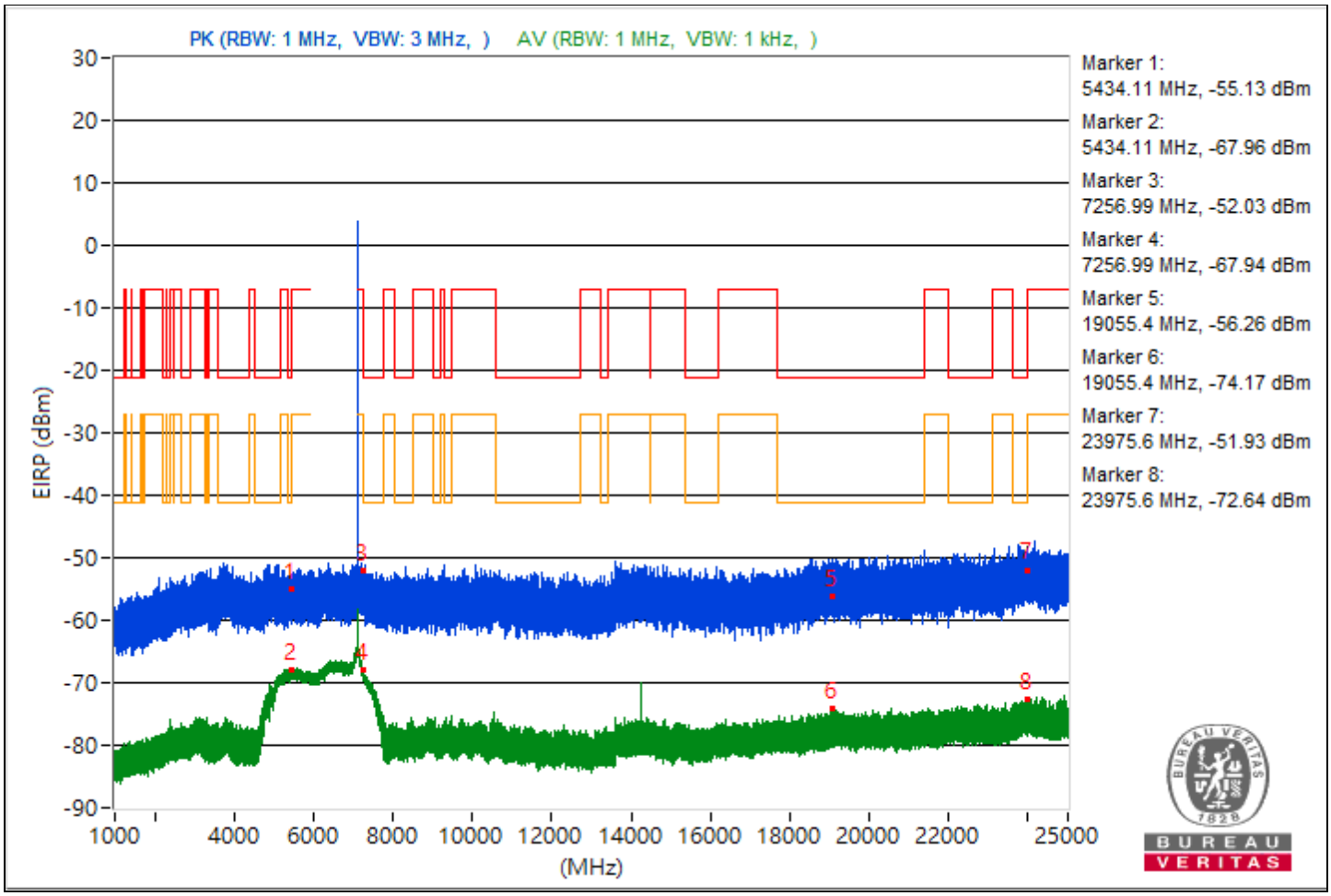


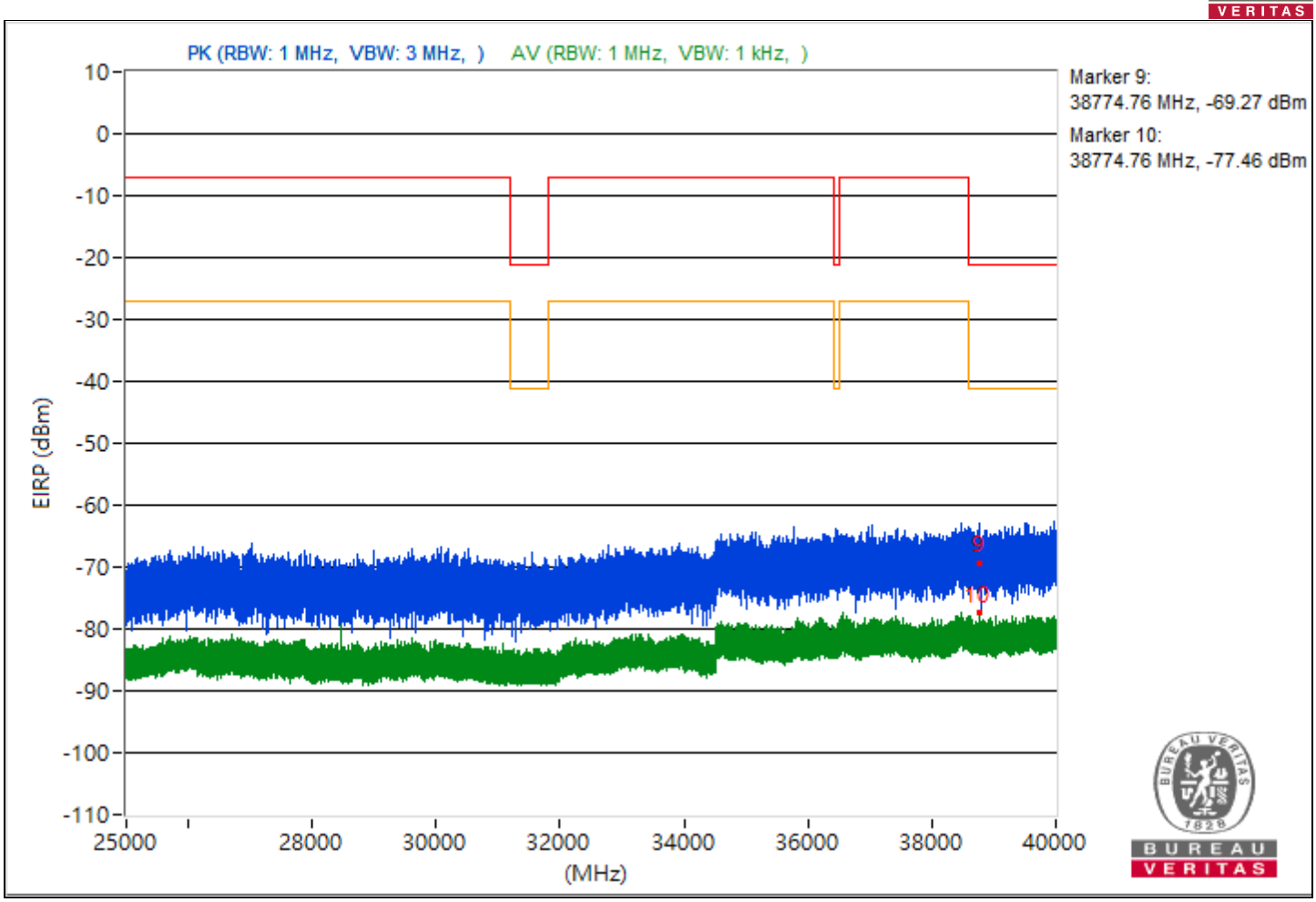

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39627.82 MHz, -69.73 dBm
Marker 10:
39627.82 MHz, -77.99 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11a | Channel | CH 233：7115 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5434.11 | 40.13 PK | 74 | -33.87 | -60.29 | 5.16 | -55.13 |
| 2 | 5434.11 | 27.3 AV | 54 | -26.7 | -73.12 | 5.16 | -67.96 |
| 3 | 7256.99 | 43.23 PK | 74 | -30.77 | -57.19 | 5.16 | -52.03 |
| 4 | 7256.99 | 27.32 AV | 54 | -26.68 | -73.1 | 5.16 | -67.94 |
| 5 | 19055.4 | 39 PK | 74 | -35 | -61.42 | 5.16 | -56.26 |
| 6 | 19055.4 | 21.09 AV | 54 | -32.91 | -79.33 | 5.16 | -74.17 |
| 7 | 23975.6 | 43.33 PK | 74 | -30.67 | -57.09 | 5.16 | -51.93 |
| 8 | 23975.6 | 22.62 AV | 54 | -31.38 | -77.8 | 5.16 | -72.64 |
| 9 | 38774.76 | 25.99 PK | 74 | -48.01 | -74.43 | 5.16 | -69.27 |
| 10 | 38774.76 | 17.8 AV | 54 | -36.2 | -82.62 | 5.16 | -77.46 |

Note: Margin value = Emission Level - Limit value

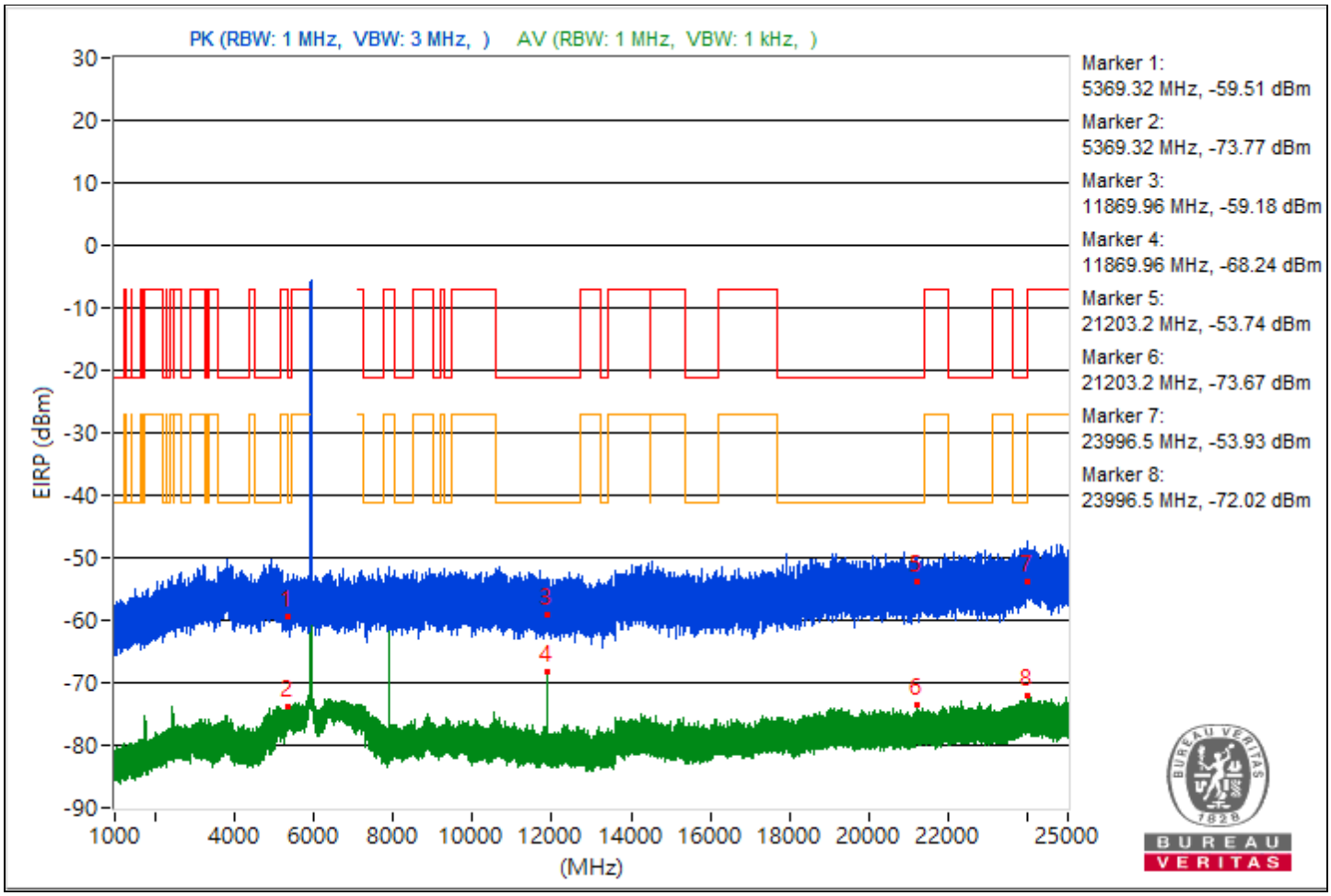


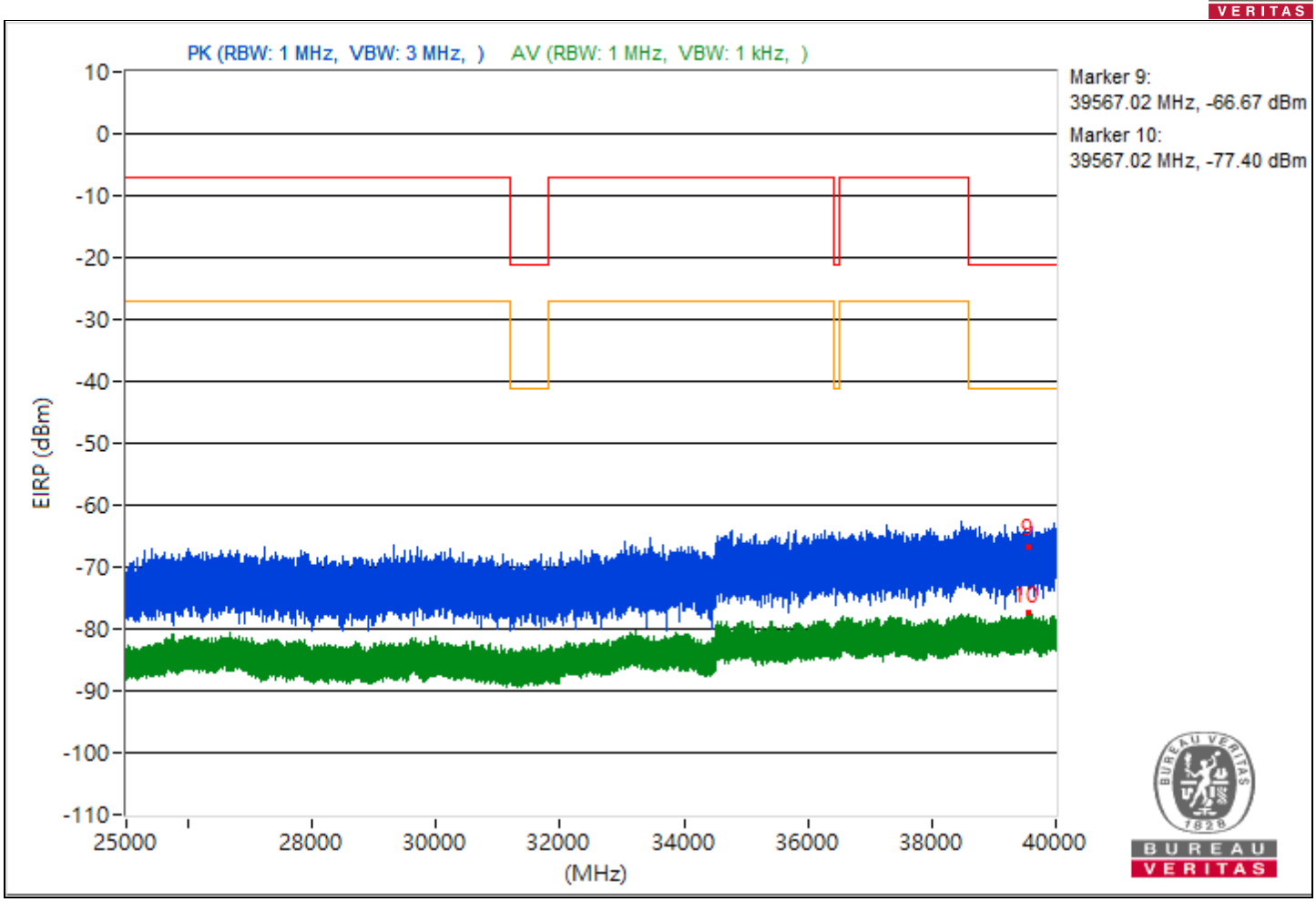

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
38774.76 MHz, -69.27 dBm
Marker 10:
38774.76 MHz, -77.46 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE20) | Channel | CH 2：5935 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5369.32 | 35.75 PK | 74 | -38.25 | -64.67 | 5.16 | -59.51 |
| 2 | 5369.32 | 21.49 AV | 54 | -32.51 | -78.93 | 5.16 | -73.77 |
| 3 | 11869.96 | 36.08 PK | 74 | -37.92 | -64.34 | 5.16 | -59.18 |
| 4 | 11869.96 | 27.02 AV | 54 | -26.98 | -73.4 | 5.16 | -68.24 |
| 5 | 21203.2 | 41.52 PK | 74 | -32.48 | -58.9 | 5.16 | -53.74 |
| 6 | 21203.2 | 21.59 AV | 54 | -32.41 | -78.83 | 5.16 | -73.67 |
| 7 | 23996.5 | 41.33 PK | 74 | -32.67 | -59.09 | 5.16 | -53.93 |
| 8 | 23996.5 | 23.24 AV | 54 | -30.76 | -77.18 | 5.16 | -72.02 |
| 9 | 39567.02 | 28.59 PK | 74 | -45.41 | -71.83 | 5.16 | -66.67 |
| 10 | 39567.02 | 17.86 AV | 54 | -36.14 | -82.56 | 5.16 | -77.4 |

Note: Margin value = Emission Level - Limit value

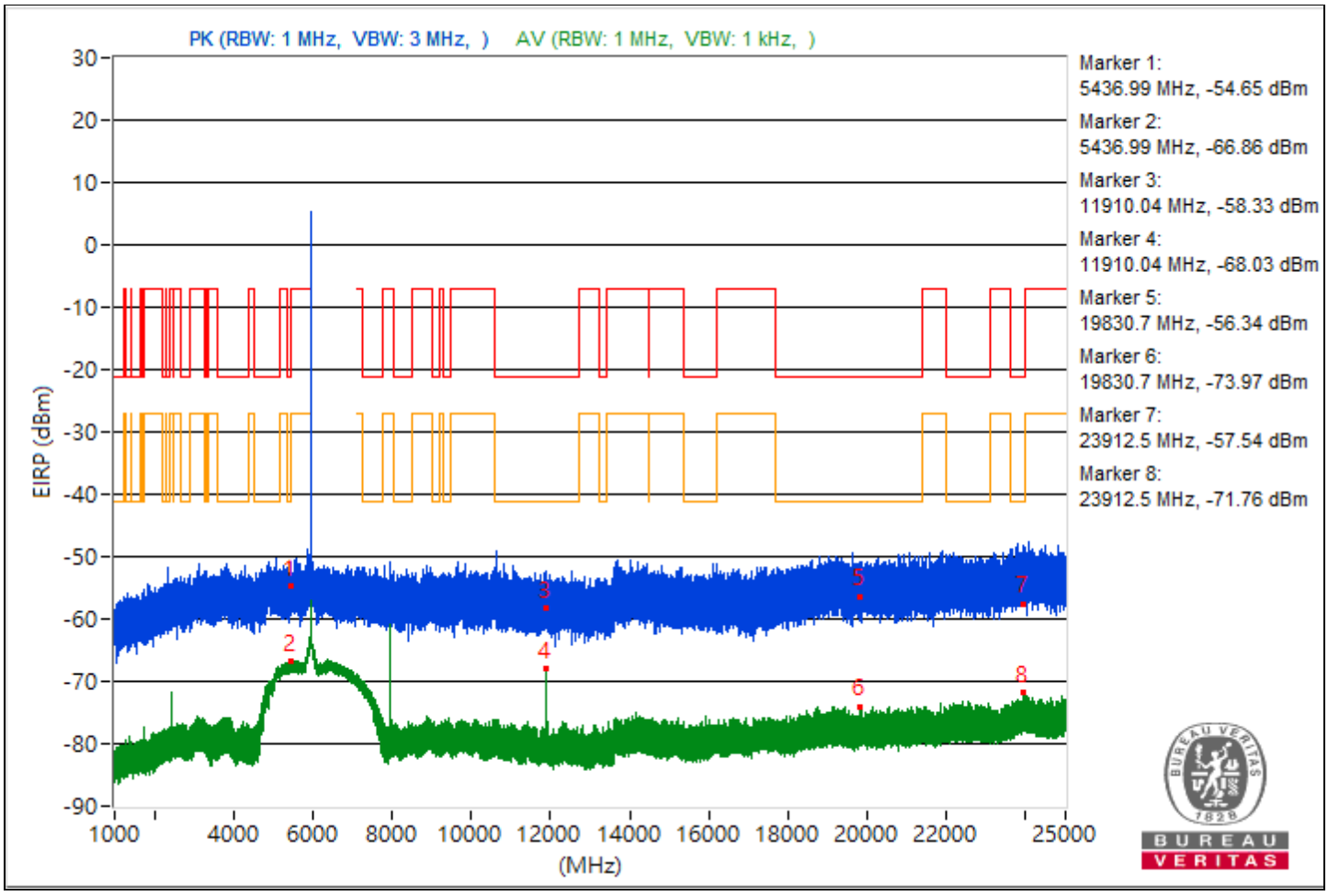


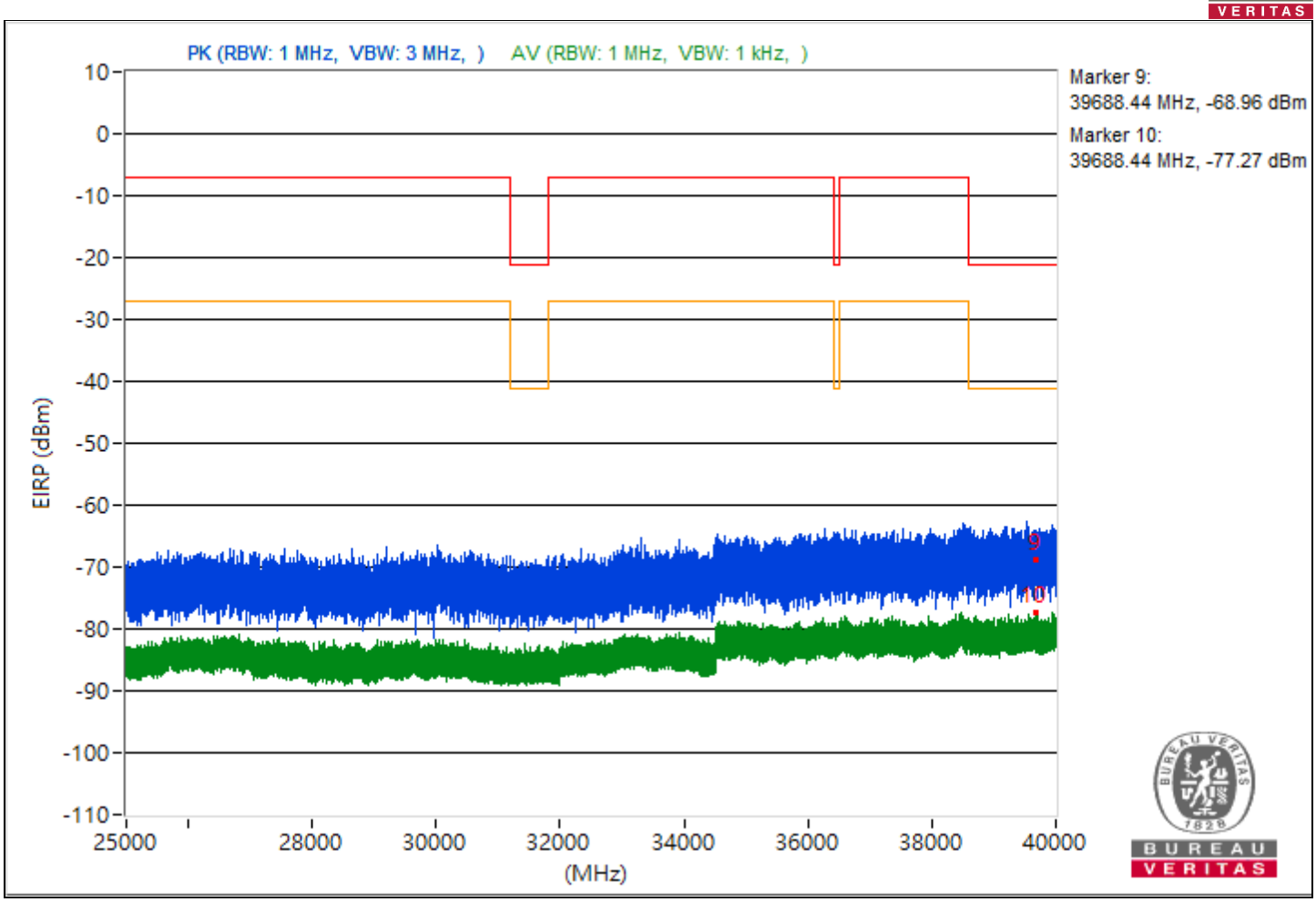

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39567.02 MHz, -66.67 dBm
Marker 10:
39567.02 MHz, -77.40 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE20) | Channel | CH 1：5955 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5436.99 | 40.61 PK | 74 | -33.39 | -59.81 | 5.16 | -54.65 |
| 2 | 5436.99 | 28.4 AV | 54 | -25.6 | -72.02 | 5.16 | -66.86 |
| 3 | 11910.04 | 36.93 PK | 74 | -37.07 | -63.49 | 5.16 | -58.33 |
| 4 | 11910.04 | 27.23 AV | 54 | -26.77 | -73.19 | 5.16 | -68.03 |
| 5 | 19830.7 | 38.92 PK | 74 | -35.08 | -61.5 | 5.16 | -56.34 |
| 6 | 19830.7 | 21.29 AV | 54 | -32.71 | -79.13 | 5.16 | -73.97 |
| 7 | 23912.5 | 37.72 PK | 74 | -36.28 | -62.7 | 5.16 | -57.54 |
| 8 | 23912.5 | 23.5 AV | 54 | -30.5 | -76.92 | 5.16 | -71.76 |
| 9 | 39688.44 | 26.3 PK | 74 | -47.7 | -74.12 | 5.16 | -68.96 |
| 10 | 39688.44 | 17.99 AV | 54 | -36.01 | -82.43 | 5.16 | -77.27 |

Note: Margin value = Emission Level - Limit value

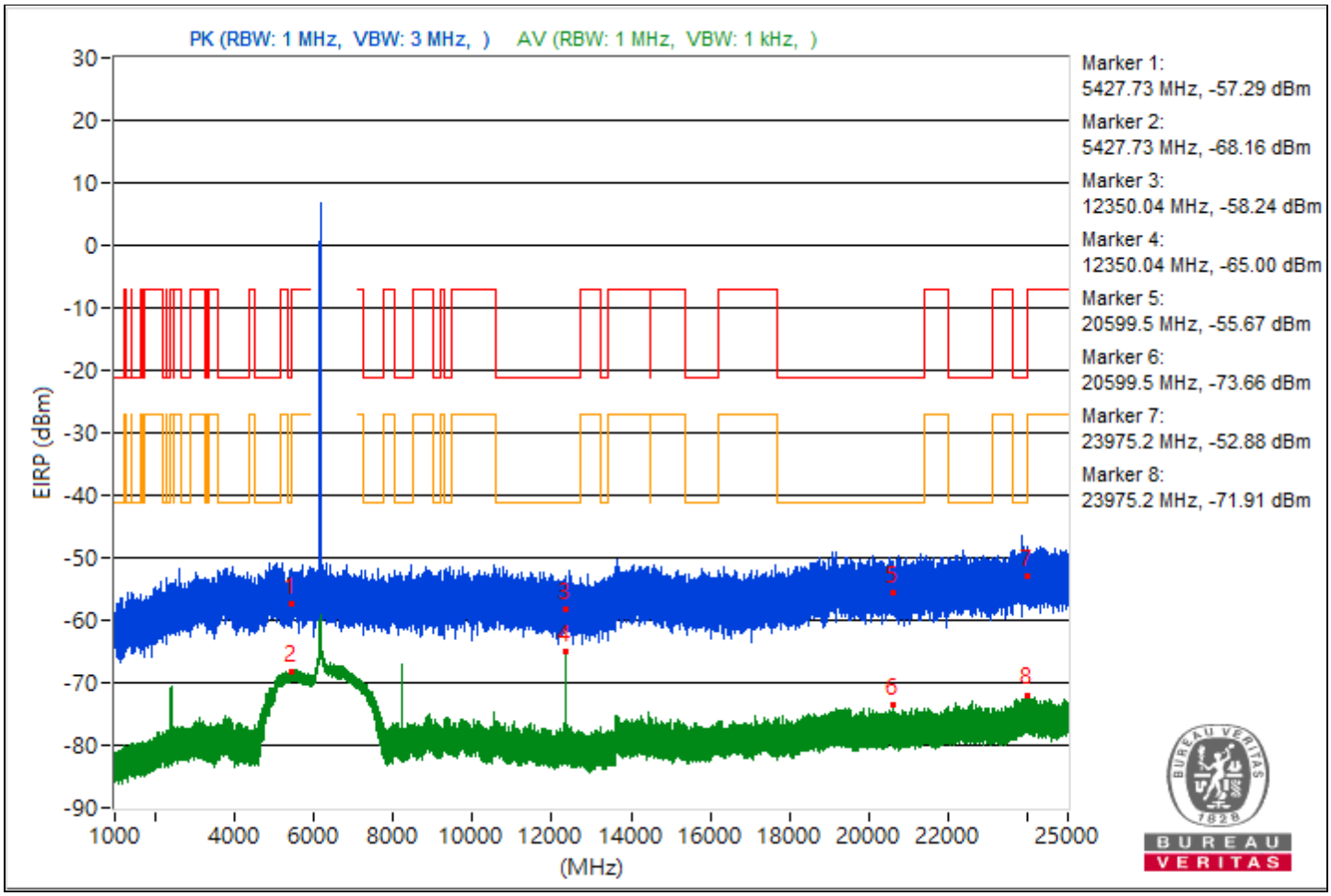



PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39688.44 MHz, -68.96 dBm
Marker 10:
39688.44 MHz, -77.27 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE20) | Channel | CH 45：6175 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5427.73 | 37.97 PK | 74 | -36.03 | -62.45 | 5.16 | -57.29 |
| 2 | 5427.73 | 27.1 AV | 54 | -26.9 | -73.32 | 5.16 | -68.16 |
| 3 | 12350.04 | 37.02 PK | 74 | -36.98 | -63.4 | 5.16 | -58.24 |
| 4 | 12350.04 | 30.26 AV | 54 | -23.74 | -70.16 | 5.16 | -65 |
| 5 | 20599.5 | 39.59 PK | 74 | -34.41 | -60.83 | 5.16 | -55.67 |
| 6 | 20599.5 | 21.6 AV | 54 | -32.4 | -78.82 | 5.16 | -73.66 |
| 7 | 23975.2 | 42.38 PK | 74 | -31.62 | -58.04 | 5.16 | -52.88 |
| 8 | 23975.2 | 23.35 AV | 54 | -30.65 | -77.07 | 5.16 | -71.91 |
| 9 | 39922.4 | 27.19 PK | 74 | -46.81 | -73.23 | 5.16 | -68.07 |
| 10 | 39922.4 | 18.01 AV | 54 | -35.99 | -82.41 | 5.16 | -77.25 |

Note: Margin value = Emission Level - Limit value

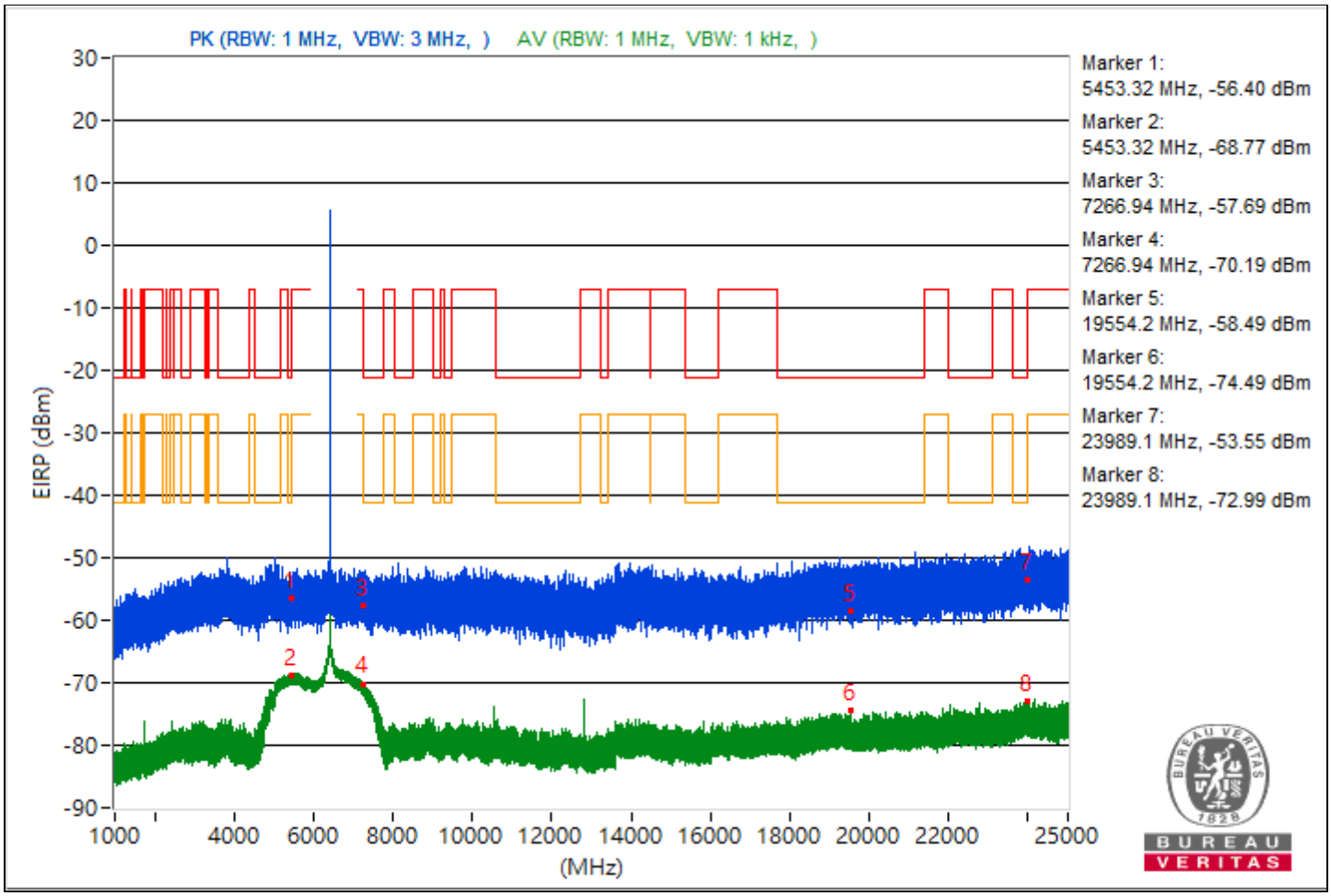


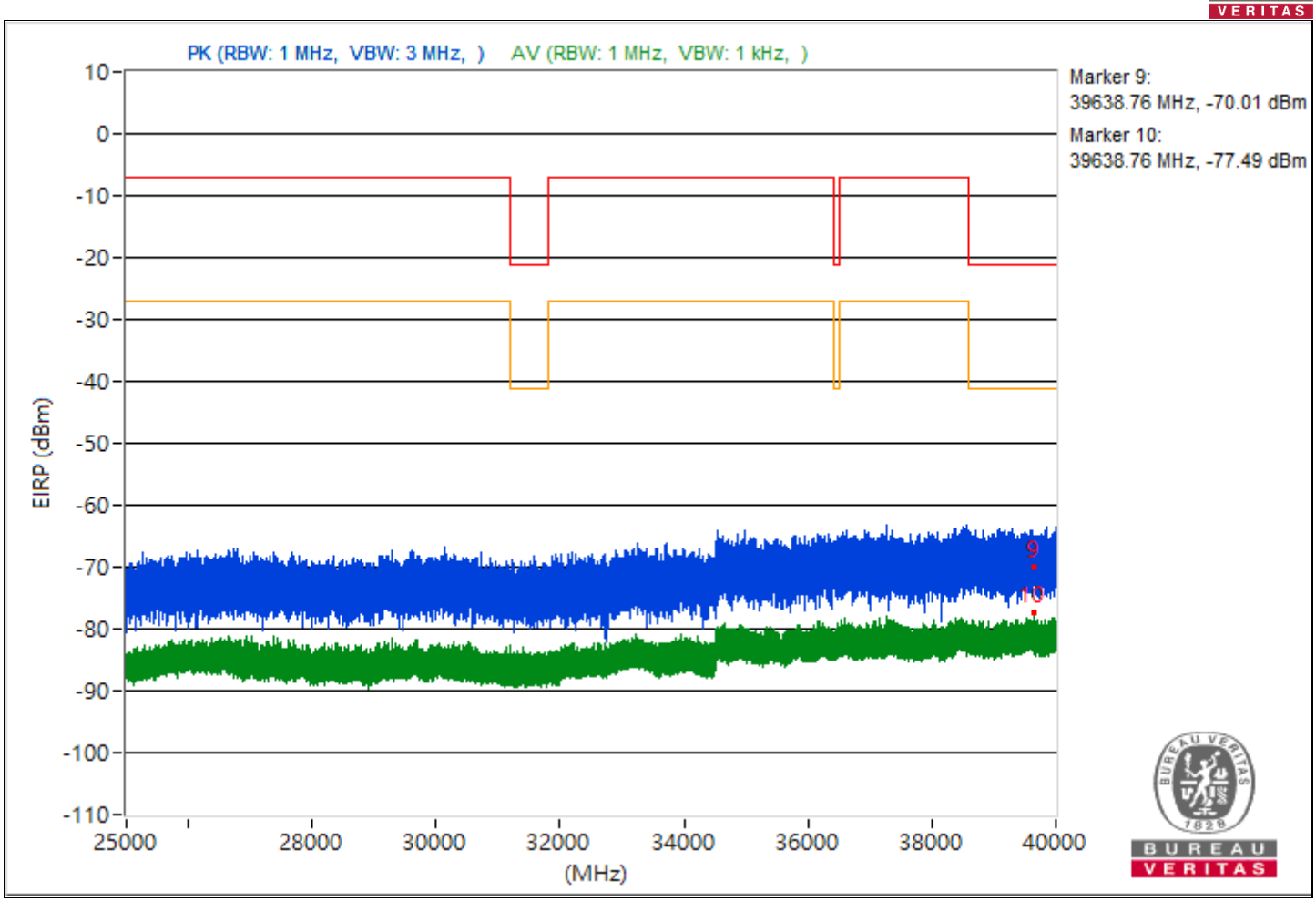

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39922.4 MHz, -68.07 dBm
Marker 10:
39922.4 MHz, -77.25 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE20) | Channel | CH 93：6415 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5453.32 | 38.86 PK | 74 | -35.14 | -61.56 | 5.16 | -56.4 |
| 2 | 5453.32 | 26.49 AV | 54 | -27.51 | -73.93 | 5.16 | -68.77 |
| 3 | 7266.94 | 37.57 PK | 74 | -36.43 | -62.85 | 5.16 | -57.69 |
| 4 | 7266.94 | 25.07 AV | 54 | -28.93 | -75.35 | 5.16 | -70.19 |
| 5 | 19554.2 | 36.77 PK | 74 | -37.23 | -63.65 | 5.16 | -58.49 |
| 6 | 19554.2 | 20.77 AV | 54 | -33.23 | -79.65 | 5.16 | -74.49 |
| 7 | 23989.1 | 41.71 PK | 74 | -32.29 | -58.71 | 5.16 | -53.55 |
| 8 | 23989.1 | 22.27 AV | 54 | -31.73 | -78.15 | 5.16 | -72.99 |
| 9 | 39638.76 | 25.25 PK | 74 | -48.75 | -75.17 | 5.16 | -70.01 |
| 10 | 39638.76 | 17.77 AV | 54 | -36.23 | -82.65 | 5.16 | -77.49 |

Note: Margin value = Emission Level - Limit value

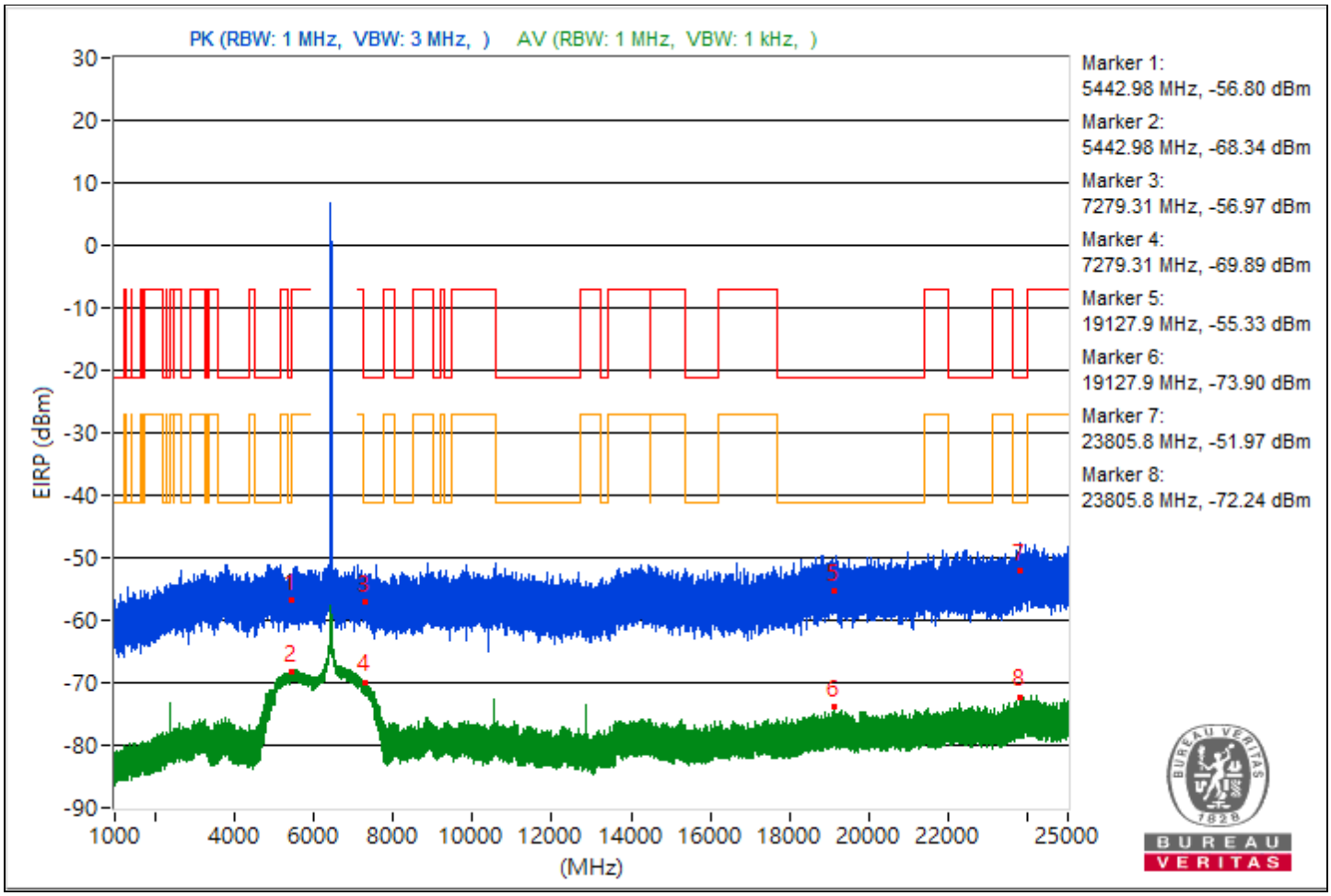


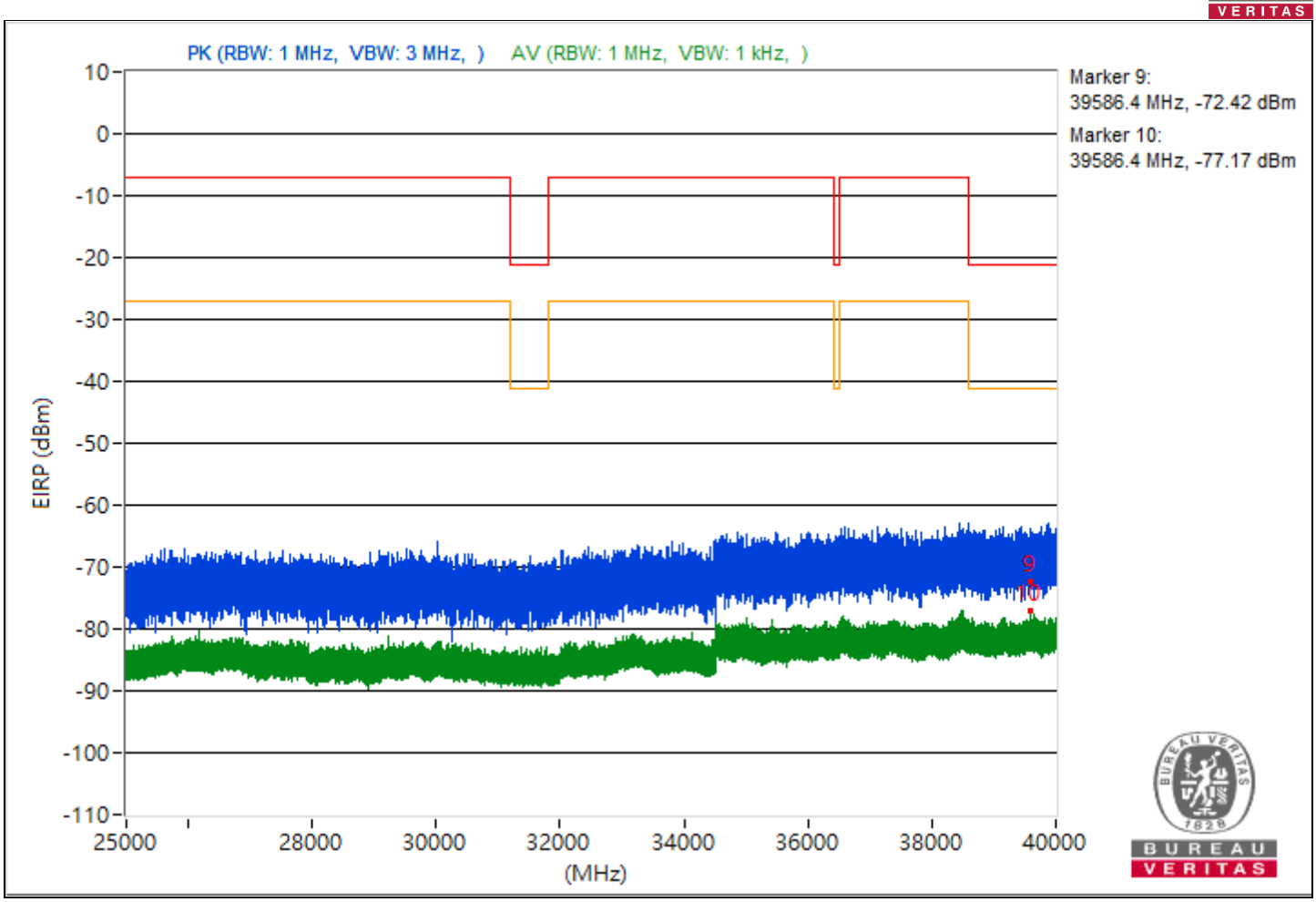

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39638.76 MHz, -70.01 dBm
Marker 10:
39638.76 MHz, -77.49 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE20) | Channel | CH 97：6435 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5442.98 | 38.46 PK | 74 | -35.54 | -61.96 | 5.16 | -56.8 |
| 2 | 5442.98 | 26.92 AV | 54 | -27.08 | -73.5 | 5.16 | -68.34 |
| 3 | 7279.31 | 38.29 PK | 74 | -35.71 | -62.13 | 5.16 | -56.97 |
| 4 | 7279.31 | 25.37 AV | 54 | -28.63 | -75.05 | 5.16 | -69.89 |
| 5 | 19127.9 | 39.93 PK | 74 | -34.07 | -60.49 | 5.16 | -55.33 |
| 6 | 19127.9 | 21.36 AV | 54 | -32.64 | -79.06 | 5.16 | -73.9 |
| 7 | 23805.8 | 43.29 PK | 74 | -30.71 | -57.13 | 5.16 | -51.97 |
| 8 | 23805.8 | 23.02 AV | 54 | -30.98 | -77.4 | 5.16 | -72.24 |
| 9 | 39586.4 | 22.84 PK | 74 | -51.16 | -77.58 | 5.16 | -72.42 |
| 10 | 39586.4 | 18.09 AV | 54 | -35.91 | -82.33 | 5.16 | -77.17 |

Note: Margin value = Emission Level - Limit value

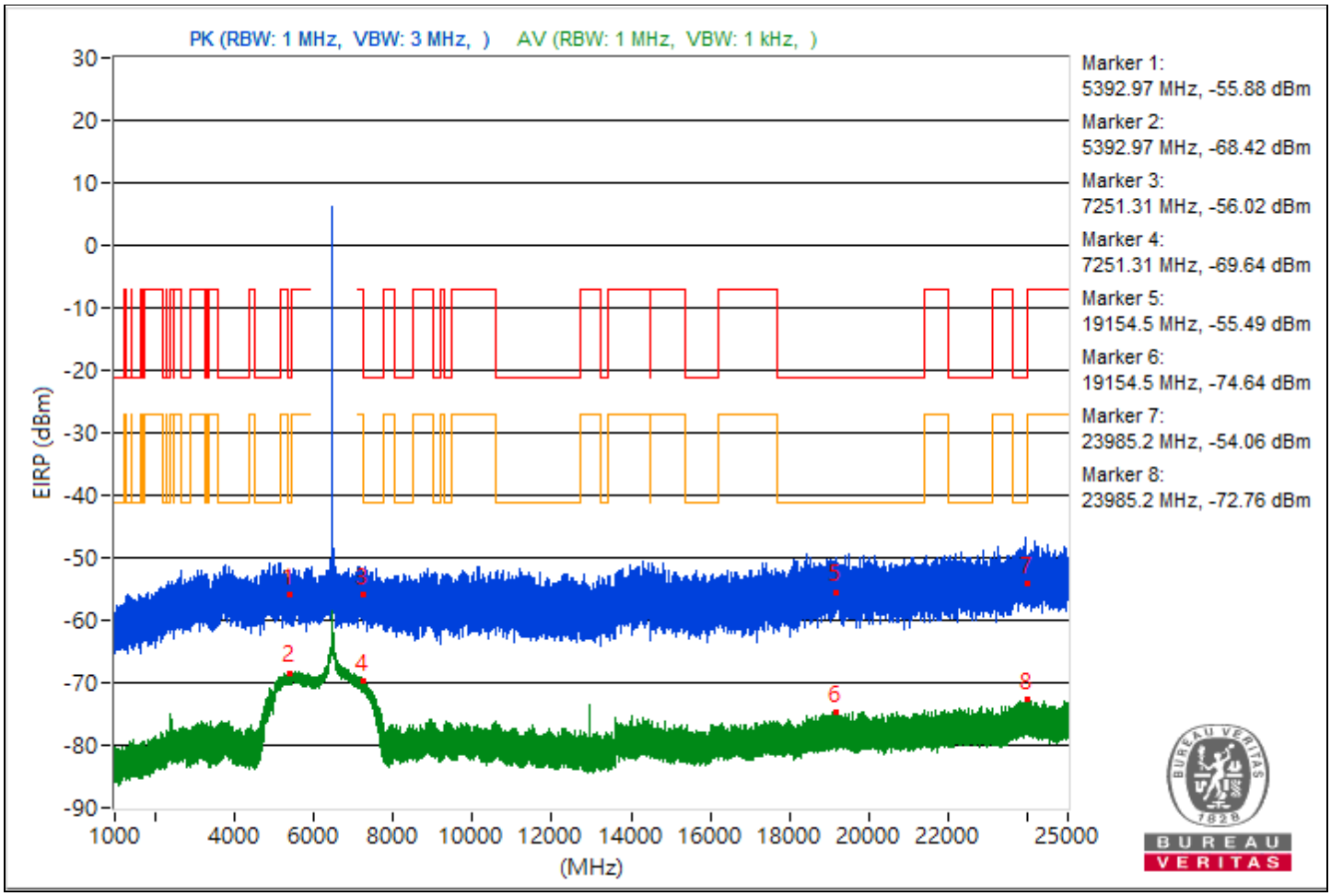


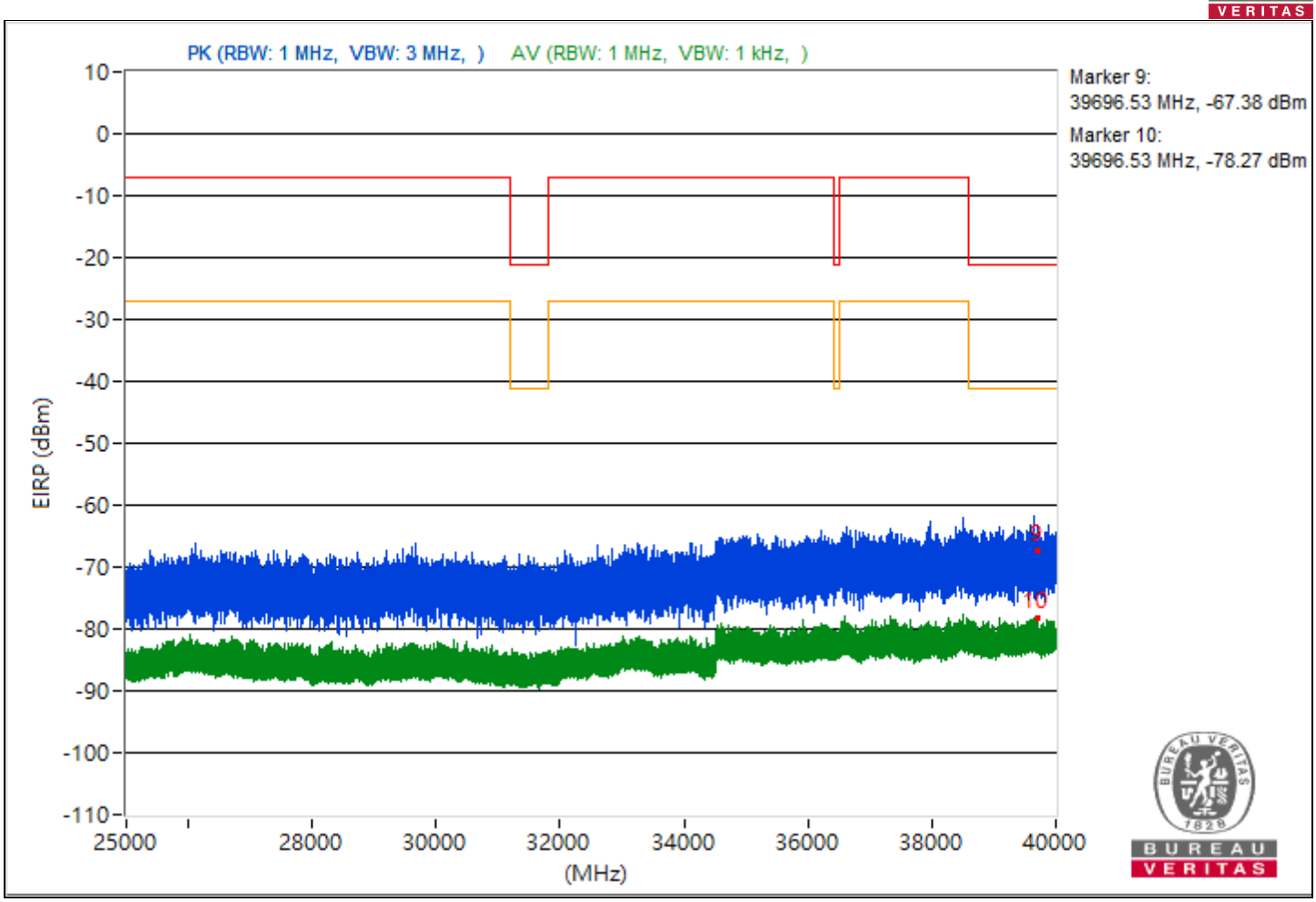

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39586.4 MHz, -72.42 dBm
Marker 10:
39586.4 MHz, -77.17 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE20) | Channel | CH 105：6475 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5392.97 | 39.38 PK | 74 | -34.62 | -61.04 | 5.16 | -55.88 |
| 2 | 5392.97 | 26.84 AV | 54 | -27.16 | -73.58 | 5.16 | -68.42 |
| 3 | 7251.31 | 39.24 PK | 74 | -34.76 | -61.18 | 5.16 | -56.02 |
| 4 | 7251.31 | 25.62 AV | 54 | -28.38 | -74.8 | 5.16 | -69.64 |
| 5 | 19154.5 | 39.77 PK | 74 | -34.23 | -60.65 | 5.16 | -55.49 |
| 6 | 19154.5 | 20.62 AV | 54 | -33.38 | -79.8 | 5.16 | -74.64 |
| 7 | 23985.2 | 41.2 PK | 74 | -32.8 | -59.22 | 5.16 | -54.06 |
| 8 | 23985.2 | 22.5 AV | 54 | -31.5 | -77.92 | 5.16 | -72.76 |
| 9 | 39696.53 | 27.88 PK | 74 | -46.12 | -72.54 | 5.16 | -67.38 |
| 10 | 39696.53 | 16.99 AV | 54 | -37.01 | -83.43 | 5.16 | -78.27 |

Note: Margin value = Emission Level - Limit value

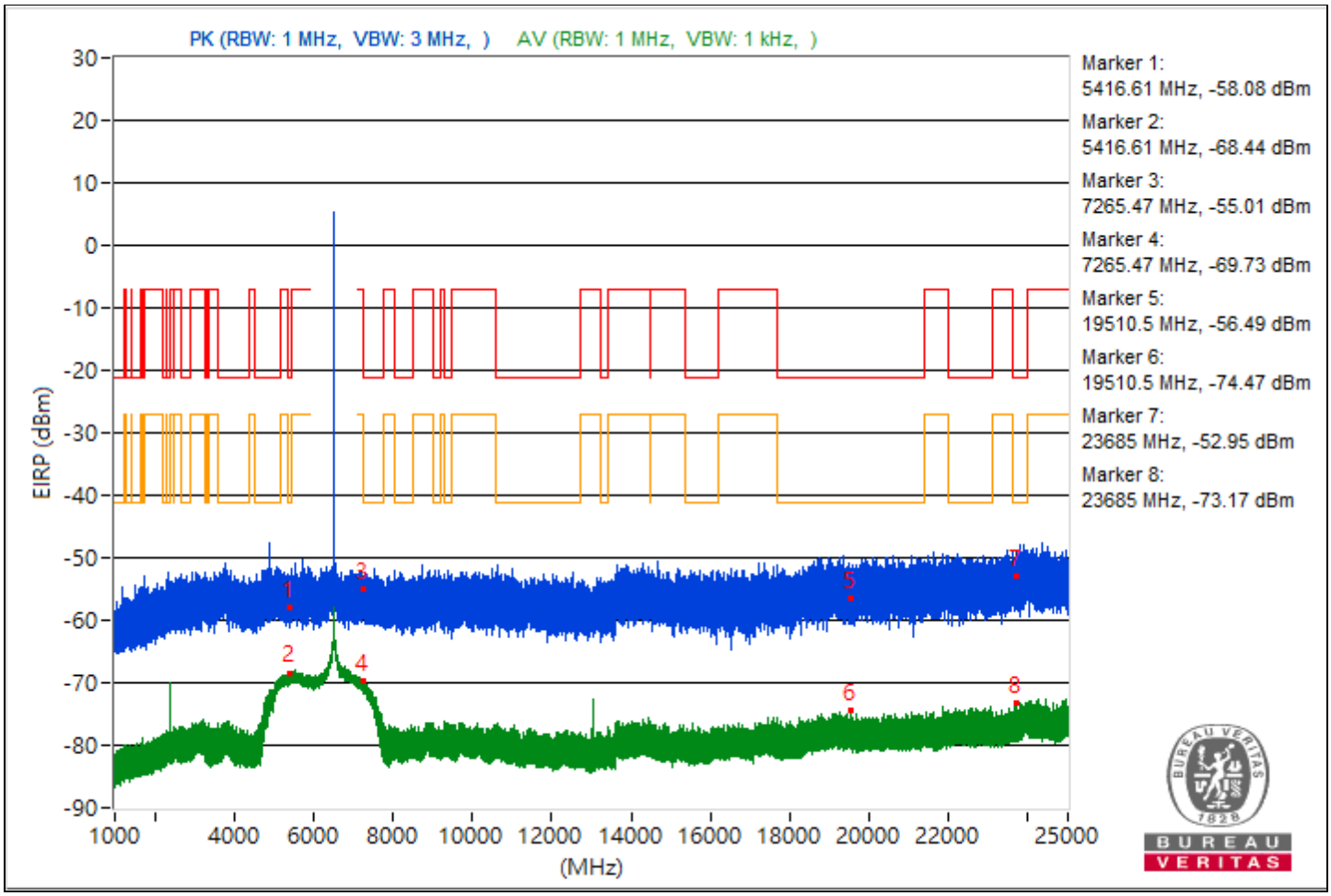


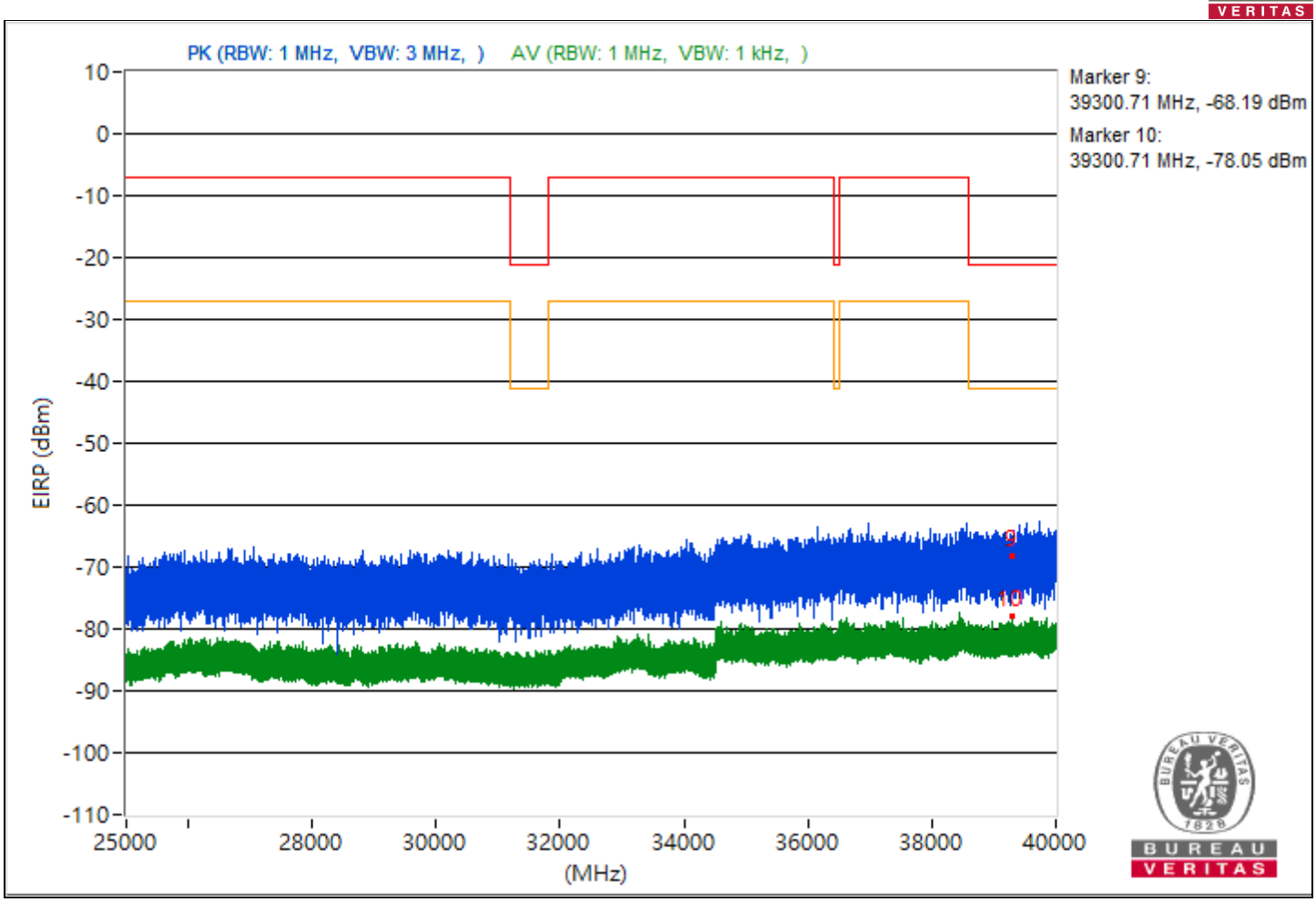

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39696.53 MHz, -67.38 dBm
Marker 10:
39696.53 MHz, -78.27 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE20) | Channel | CH 113：6515 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5416.61 | 37.18 PK | 74 | -36.82 | -63.24 | 5.16 | -58.08 |
| 2 | 5416.61 | 26.82 AV | 54 | -27.18 | -73.6 | 5.16 | -68.44 |
| 3 | 7265.47 | 40.25 PK | 74 | -33.75 | -60.17 | 5.16 | -55.01 |
| 4 | 7265.47 | 25.53 AV | 54 | -28.47 | -74.89 | 5.16 | -69.73 |
| 5 | 19510.5 | 38.77 PK | 74 | -35.23 | -61.65 | 5.16 | -56.49 |
| 6 | 19510.5 | 20.79 AV | 54 | -33.21 | -79.63 | 5.16 | -74.47 |
| 7 | 23685 | 42.31 PK | 74 | -31.69 | -58.11 | 5.16 | -52.95 |
| 8 | 23685 | 22.09 AV | 54 | -31.91 | -78.33 | 5.16 | -73.17 |
| 9 | 39300.71 | 27.07 PK | 74 | -46.93 | -73.35 | 5.16 | -68.19 |
| 10 | 39300.71 | 17.21 AV | 54 | -36.79 | -83.21 | 5.16 | -78.05 |

Note: Margin value = Emission Level - Limit value

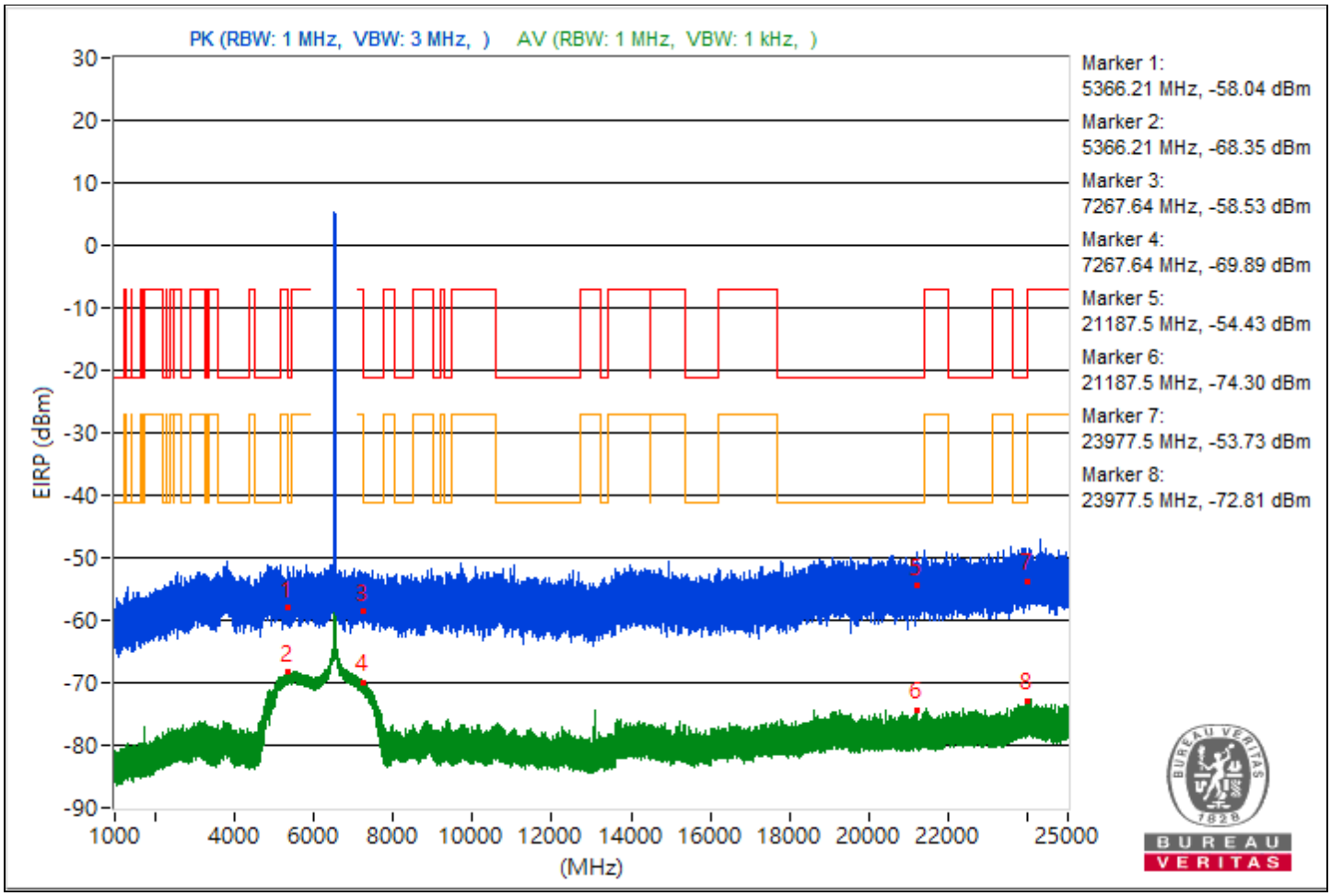


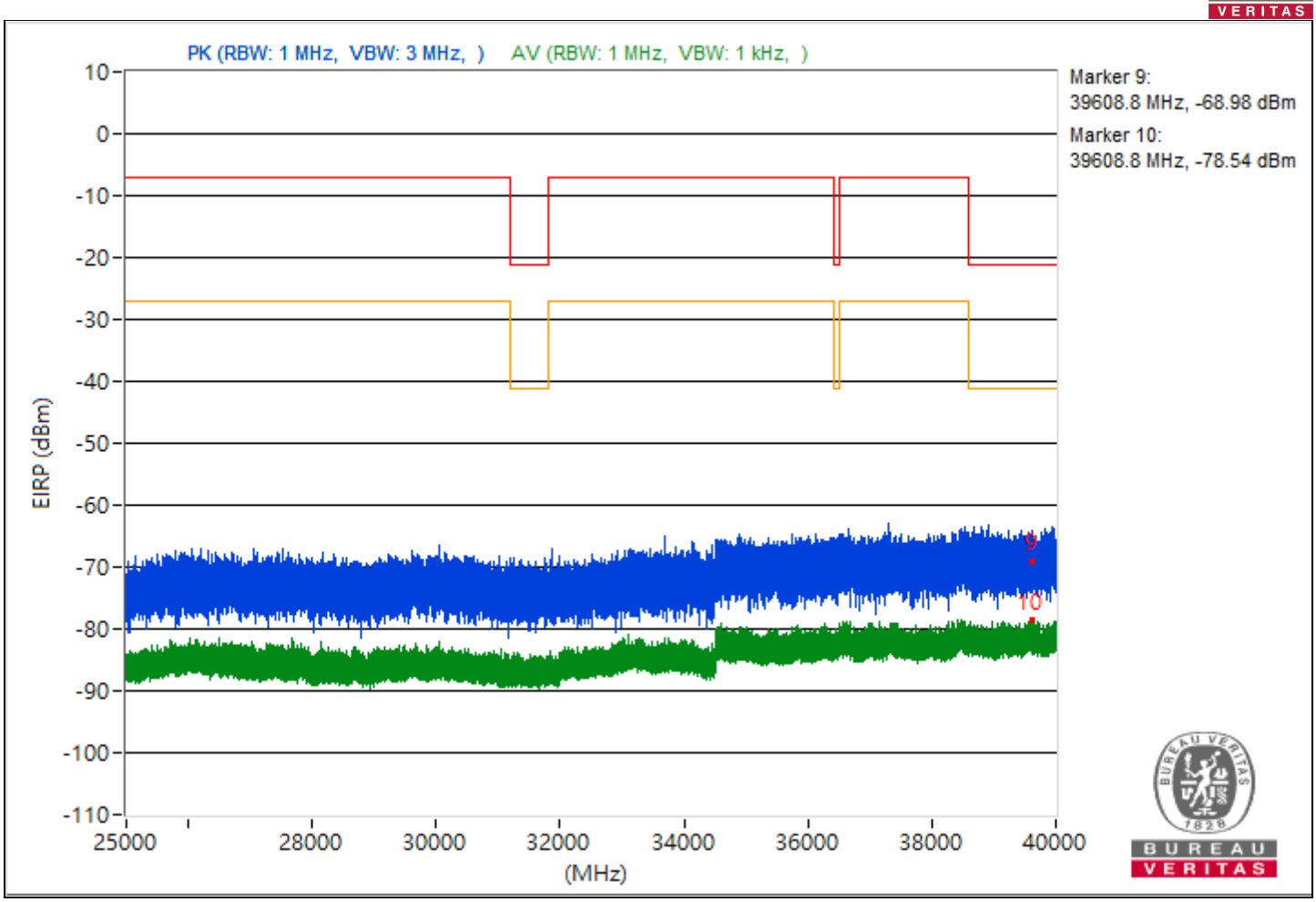

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39300.71 MHz, -68.19 dBm
Marker 10:
39300.71 MHz, -78.05 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE20) | Channel | CH 117：6535 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5366.21 | 37.22 PK | 74 | -36.78 | -63.2 | 5.16 | -58.04 |
| 2 | 5366.21 | 26.91 AV | 54 | -27.09 | -73.51 | 5.16 | -68.35 |
| 3 | 7267.64 | 36.73 PK | 74 | -37.27 | -63.69 | 5.16 | -58.53 |
| 4 | 7267.64 | 25.37 AV | 54 | -28.63 | -75.05 | 5.16 | -69.89 |
| 5 | 21187.5 | 40.83 PK | 74 | -33.17 | -59.59 | 5.16 | -54.43 |
| 6 | 21187.5 | 20.96 AV | 54 | -33.04 | -79.46 | 5.16 | -74.3 |
| 7 | 23977.5 | 41.53 PK | 74 | -32.47 | -58.89 | 5.16 | -53.73 |
| 8 | 23977.5 | 22.45 AV | 54 | -31.55 | -77.97 | 5.16 | -72.81 |
| 9 | 39608.8 | 26.28 PK | 74 | -47.72 | -74.14 | 5.16 | -68.98 |
| 10 | 39608.8 | 16.72 AV | 54 | -37.28 | -83.7 | 5.16 | -78.54 |

Note: Margin value = Emission Level - Limit value

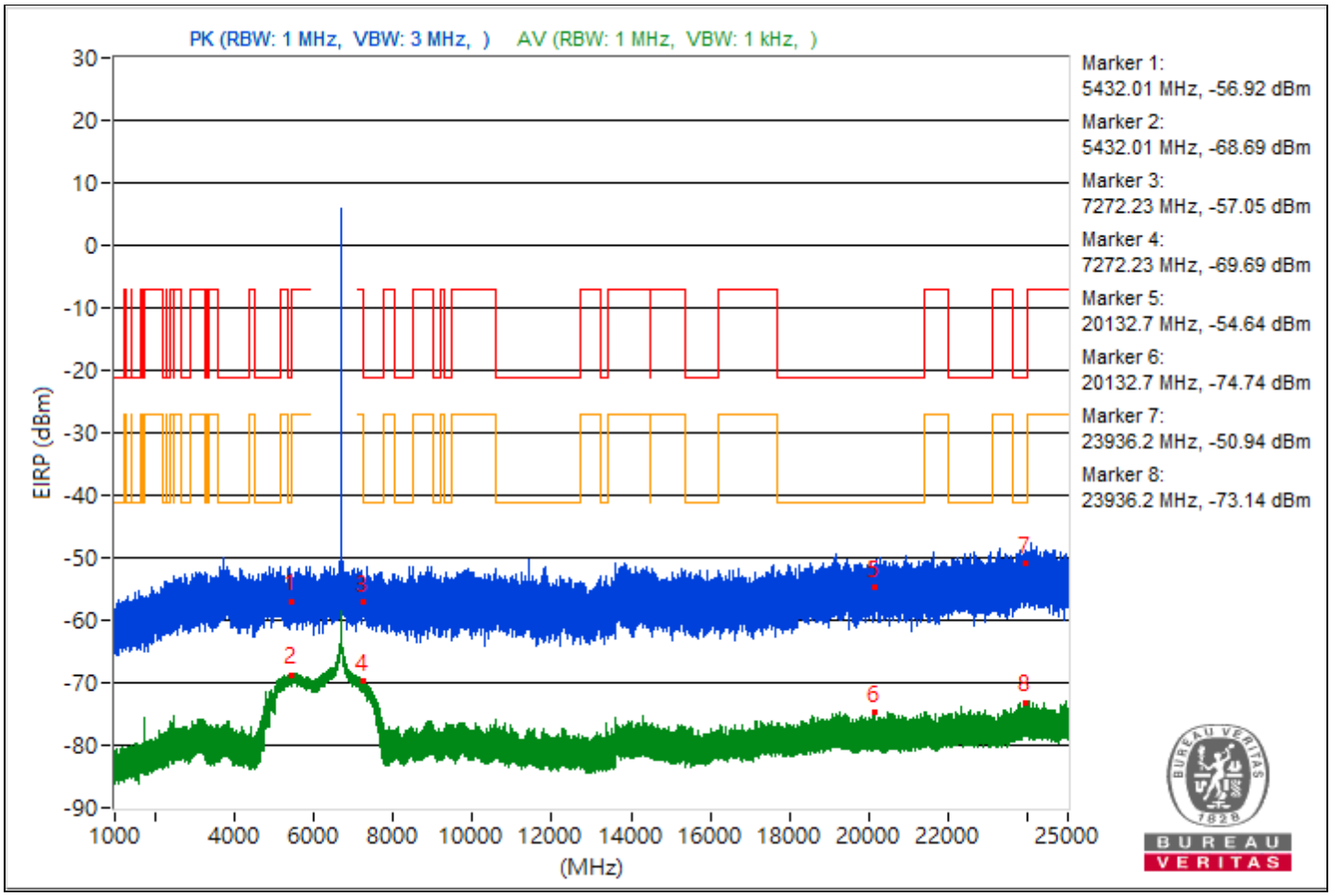


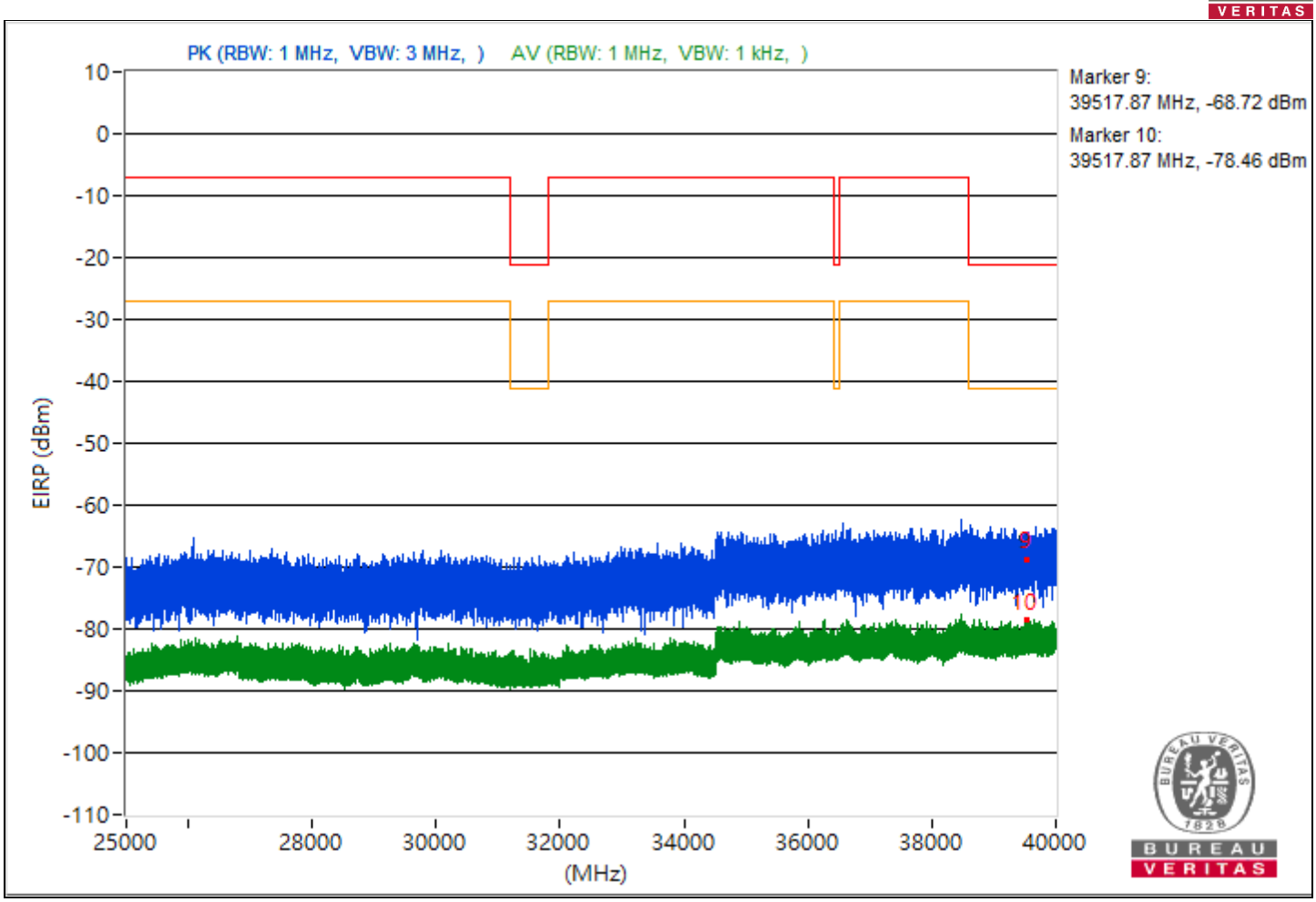

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39608.8 MHz, -68.98 dBm
Marker 10:
39608.8 MHz, -78.54 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE20) | Channel | CH 149：6695 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5432.01 | 38.34 PK | 74 | -35.66 | -62.08 | 5.16 | -56.92 |
| 2 | 5432.01 | 26.57 AV | 54 | -27.43 | -73.85 | 5.16 | -68.69 |
| 3 | 7272.23 | 38.21 PK | 74 | -35.79 | -62.21 | 5.16 | -57.05 |
| 4 | 7272.23 | 25.57 AV | 54 | -28.43 | -74.85 | 5.16 | -69.69 |
| 5 | 20132.7 | 40.62 PK | 74 | -33.38 | -59.8 | 5.16 | -54.64 |
| 6 | 20132.7 | 20.52 AV | 54 | -33.48 | -79.9 | 5.16 | -74.74 |
| 7 | 23936.2 | 44.32 PK | 74 | -29.68 | -56.1 | 5.16 | -50.94 |
| 8 | 23936.2 | 22.12 AV | 54 | -31.88 | -78.3 | 5.16 | -73.14 |
| 9 | 39517.87 | 26.54 PK | 74 | -47.46 | -73.88 | 5.16 | -68.72 |
| 10 | 39517.87 | 16.8 AV | 54 | -37.2 | -83.62 | 5.16 | -78.46 |

Note: Margin value = Emission Level - Limit value

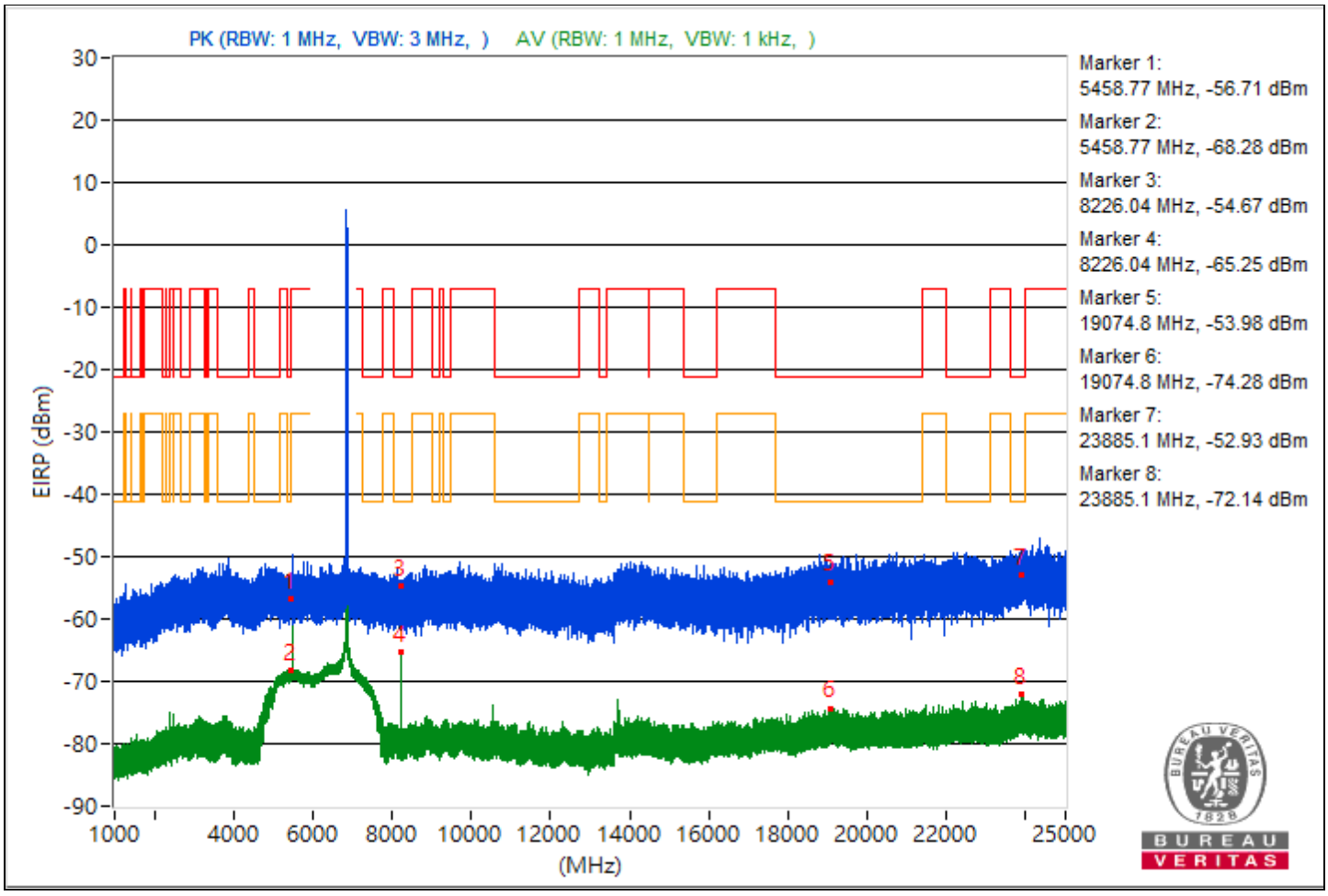


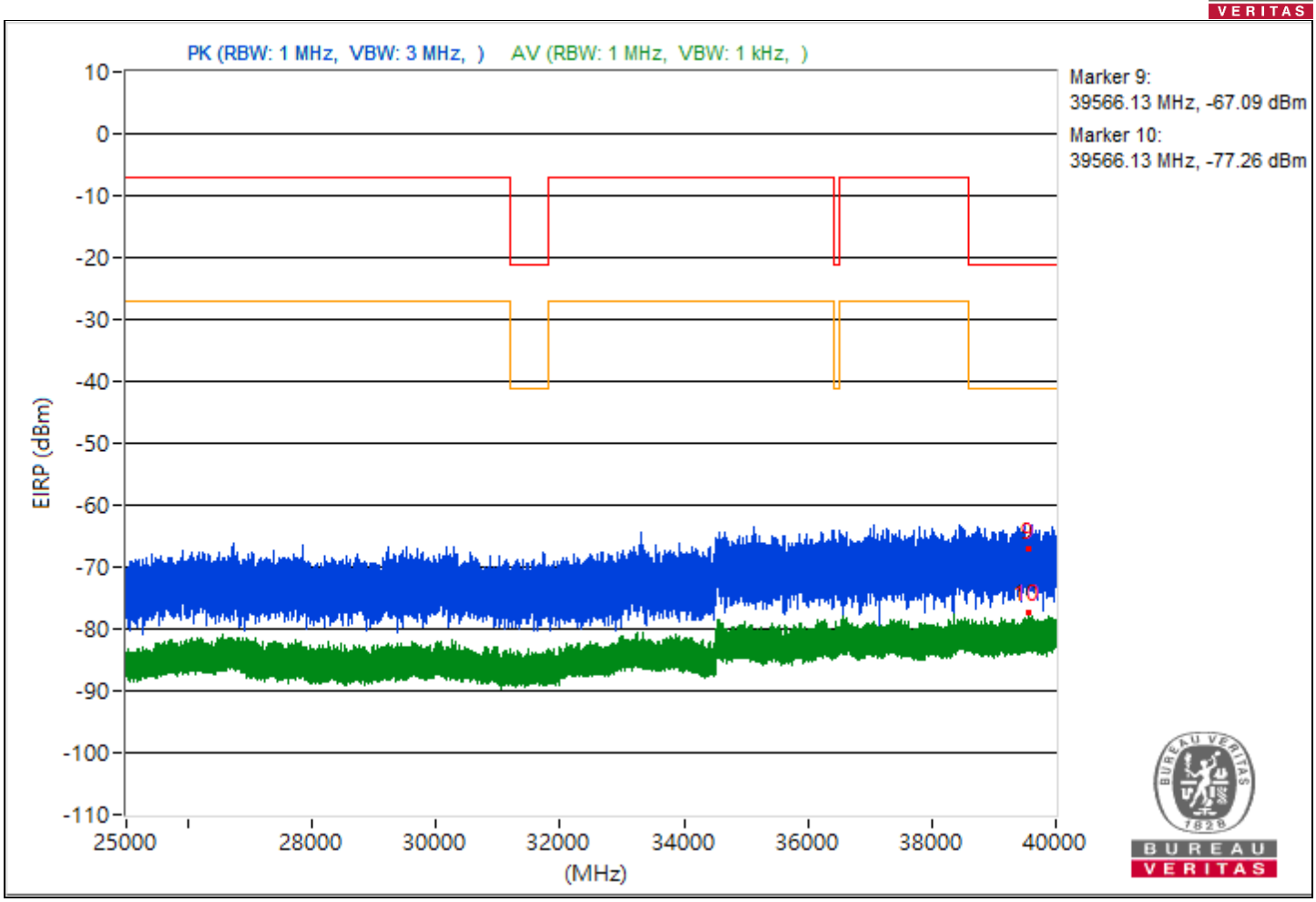

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39517.87 MHz, -68.72 dBm
Marker 10:
39517.87 MHz, -78.46 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| RF Mode | 802.11ax (HE20) | Channel | CH 181：6855 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5458.77 | 38.55 PK | 74 | -35.45 | -61.87 | 5.16 | -56.71 |
| 2 | 5458.77 | 26.98 AV | 54 | -27.02 | -73.44 | 5.16 | -68.28 |
| 3 | 8226.04 | 40.59 PK | 74 | -33.41 | -59.83 | 5.16 | -54.67 |
| 4 | 8226.04 | 30.01 AV | 54 | -23.99 | -70.41 | 5.16 | -65.25 |
| 5 | 19074.8 | 41.28 PK | 74 | -32.72 | -59.14 | 5.16 | -53.98 |
| 6 | 19074.8 | 20.98 AV | 54 | -33.02 | -79.44 | 5.16 | -74.28 |
| 7 | 23885.1 | 42.33 PK | 74 | -31.67 | -58.09 | 5.16 | -52.93 |
| 8 | 23885.1 | 23.12 AV | 54 | -30.88 | -77.3 | 5.16 | -72.14 |
| 9 | 39566.13 | 28.17 PK | 74 | -45.83 | -72.25 | 5.16 | -67.09 |
| 10 | 39566.13 | 18 AV | 54 | -36 | -82.42 | 5.16 | -77.26 |

Note: Margin value = Emission Level - Limit value

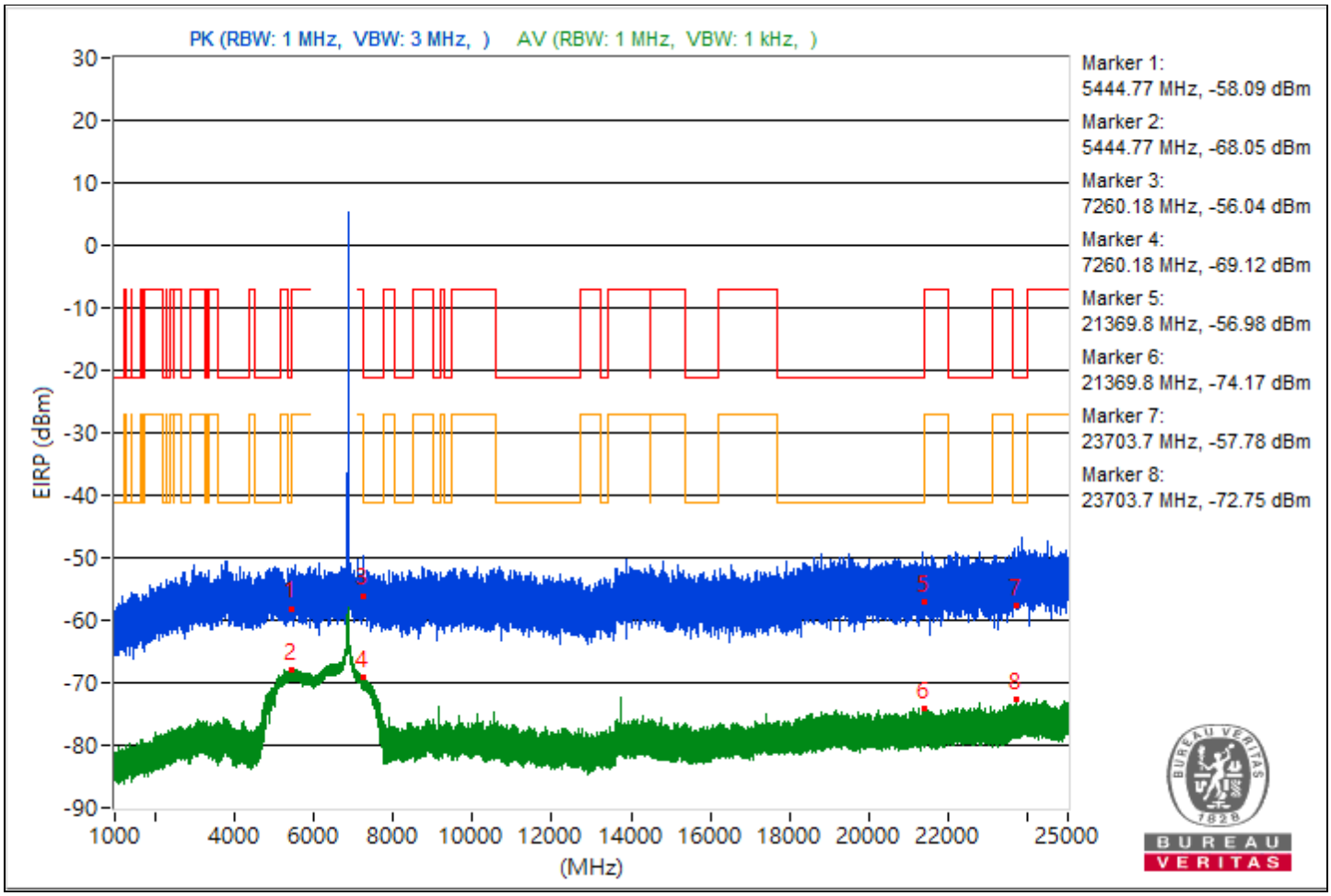


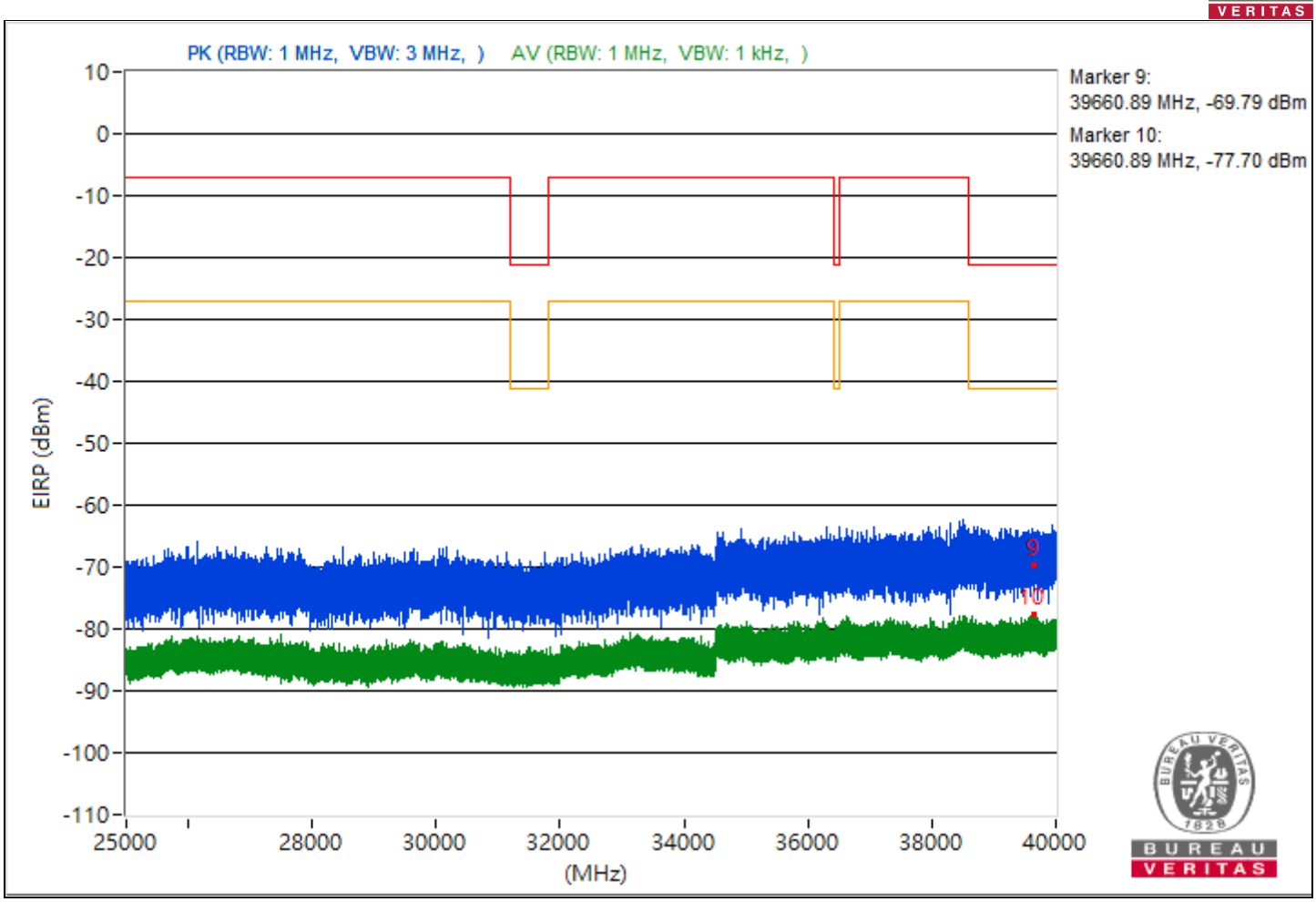

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39566.13 MHz, -67.09 dBm
Marker 10:
39566.13 MHz, -77.26 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE20) | Channel | CH 185：6875 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5444.77 | 37.17 PK | 74 | -36.83 | -63.25 | 5.16 | -58.09 |
| 2 | 5444.77 | 27.21 AV | 54 | -26.79 | -73.21 | 5.16 | -68.05 |
| 3 | 7260.18 | 39.22 PK | 74 | -34.78 | -61.2 | 5.16 | -56.04 |
| 4 | 7260.18 | 26.14 AV | 54 | -27.86 | -74.28 | 5.16 | -69.12 |
| 5 | 21369.8 | 38.28 PK | 74 | -35.72 | -62.14 | 5.16 | -56.98 |
| 6 | 21369.8 | 21.09 AV | 54 | -32.91 | -79.33 | 5.16 | -74.17 |
| 7 | 23703.7 | 37.48 PK | 74 | -36.52 | -62.94 | 5.16 | -57.78 |
| 8 | 23703.7 | 22.51 AV | 54 | -31.49 | -77.91 | 5.16 | -72.75 |
| 9 | 39660.89 | 25.47 PK | 74 | -48.53 | -74.95 | 5.16 | -69.79 |
| 10 | 39660.89 | 17.56 AV | 54 | -36.44 | -82.86 | 5.16 | -77.7 |

Note: Margin value = Emission Level - Limit value

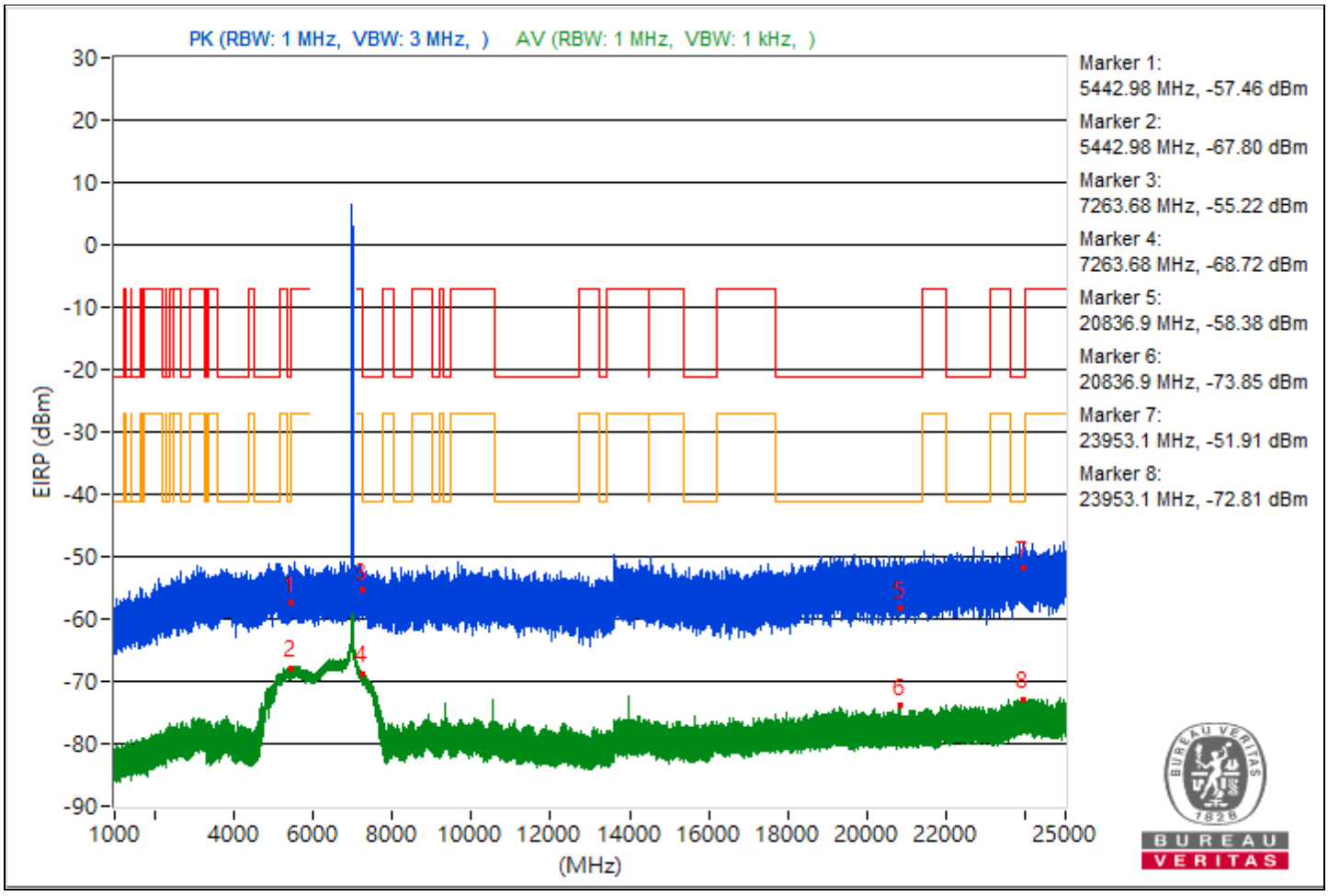


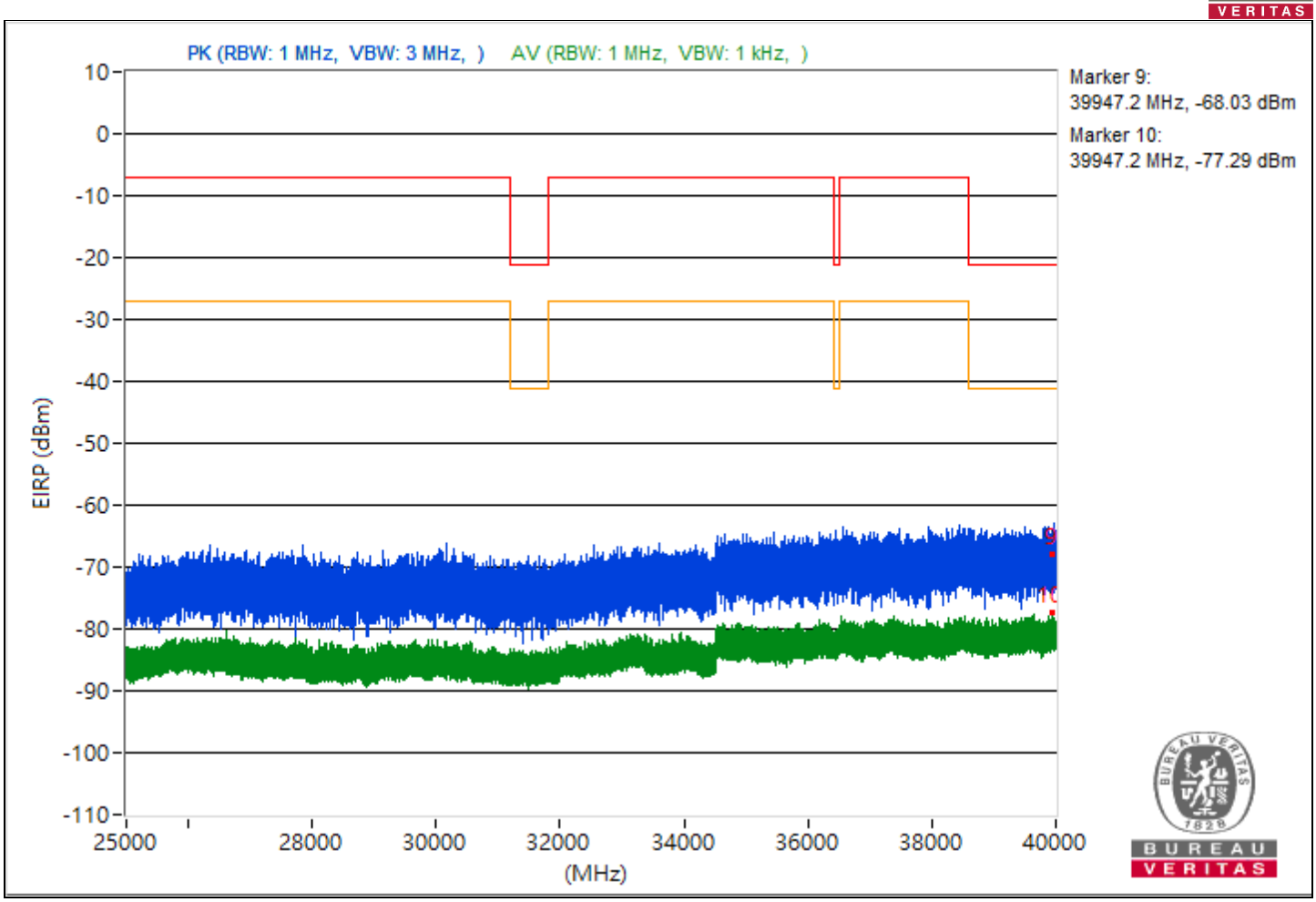

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39660.89 MHz, -69.79 dBm
Marker 10:
39660.89 MHz, -77.70 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE20) | Channel | CH 209：6995 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5442.98 | 37.8 PK | 74 | -36.2 | -62.62 | 5.16 | -57.46 |
| 2 | 5442.98 | 27.46 AV | 54 | -26.54 | -72.96 | 5.16 | -67.8 |
| 3 | 7263.68 | 40.04 PK | 74 | -33.96 | -60.38 | 5.16 | -55.22 |
| 4 | 7263.68 | 26.54 AV | 54 | -27.46 | -73.88 | 5.16 | -68.72 |
| 5 | 20836.9 | 36.88 PK | 74 | -37.12 | -63.54 | 5.16 | -58.38 |
| 6 | 20836.9 | 21.41 AV | 54 | -32.59 | -79.01 | 5.16 | -73.85 |
| 7 | 23953.1 | 43.35 PK | 74 | -30.65 | -57.07 | 5.16 | -51.91 |
| 8 | 23953.1 | 22.45 AV | 54 | -31.55 | -77.97 | 5.16 | -72.81 |
| 9 | 39947.2 | 27.23 PK | 74 | -46.77 | -73.19 | 5.16 | -68.03 |
| 10 | 39947.2 | 17.97 AV | 54 | -36.03 | -82.45 | 5.16 | -77.29 |

Note: Margin value = Emission Level - Limit value

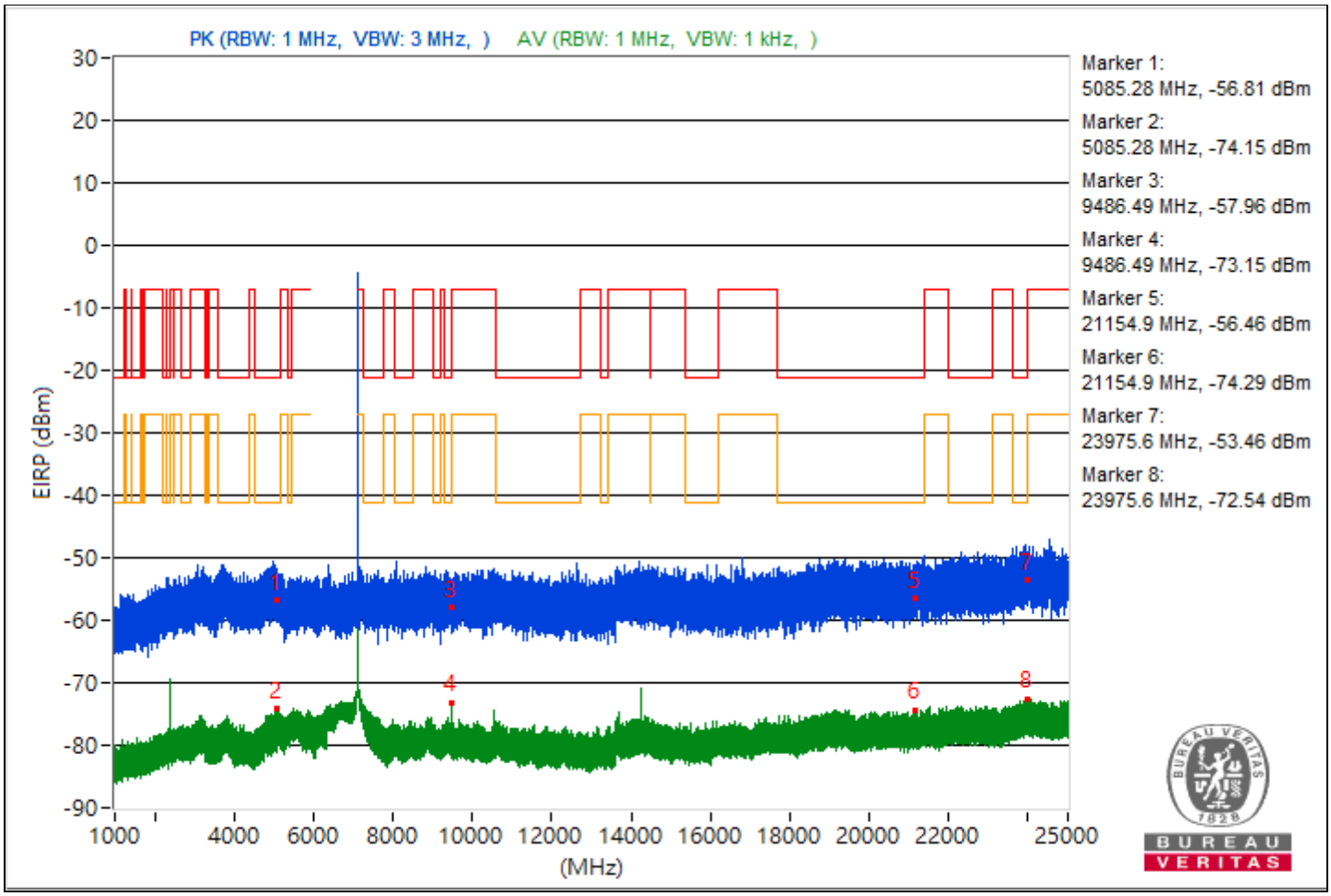


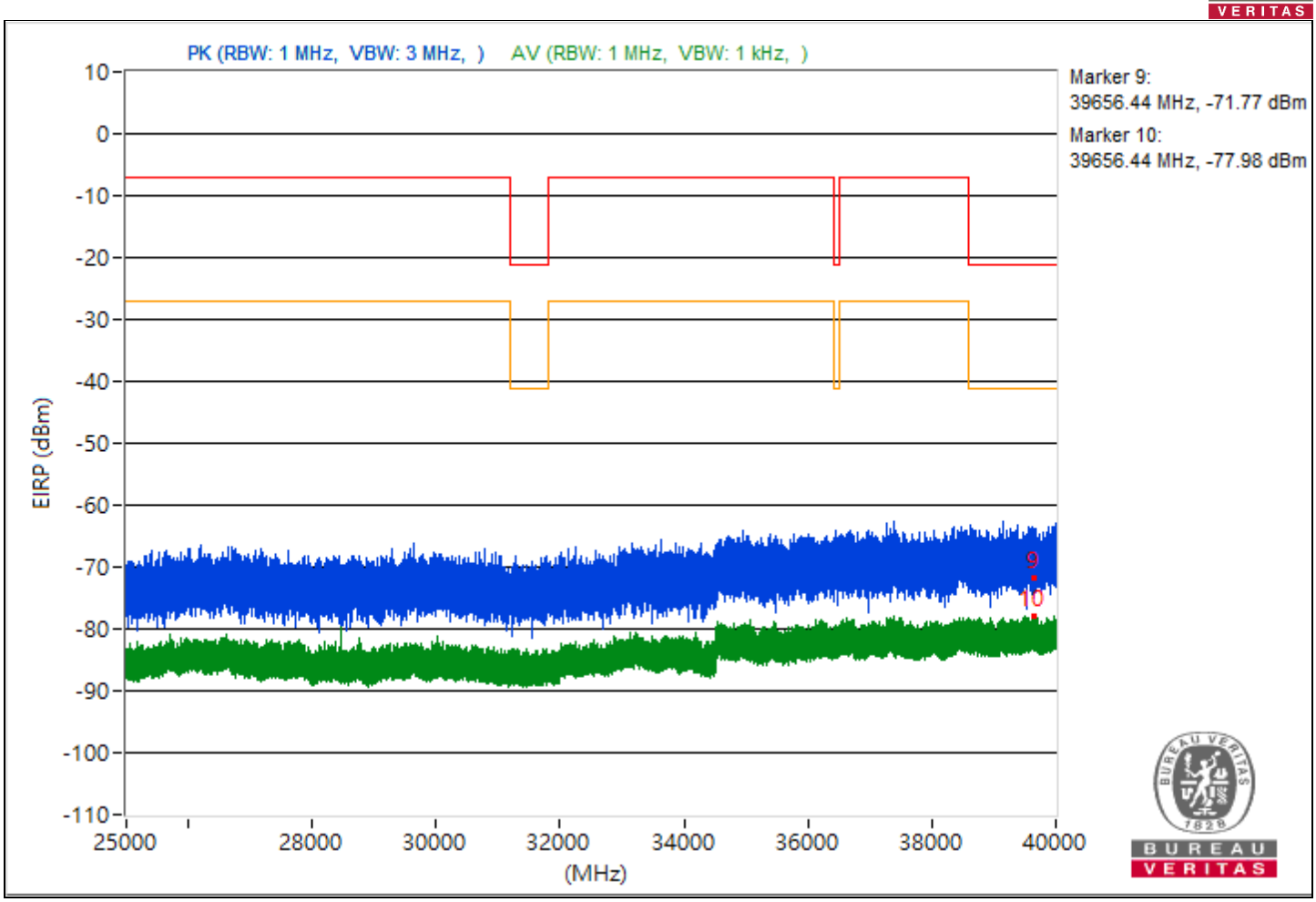

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39947.2 MHz, -68.03 dBm
Marker 10:
39947.2 MHz, -77.29 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE20) | Channel | CH 233：7115 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5085.28 | 38.45 PK | 74 | -35.55 | -61.97 | 5.16 | -56.81 |
| 2 | 5085.28 | 21.11 AV | 54 | -32.89 | -79.31 | 5.16 | -74.15 |
| 3 | 9486.49 | 37.3 PK | 74 | -36.7 | -63.12 | 5.16 | -57.96 |
| 4 | 9486.49 | 22.11 AV | 54 | -31.89 | -78.31 | 5.16 | -73.15 |
| 5 | 21154.9 | 38.8 PK | 74 | -35.2 | -61.62 | 5.16 | -56.46 |
| 6 | 21154.9 | 20.97 AV | 54 | -33.03 | -79.45 | 5.16 | -74.29 |
| 7 | 23975.6 | 41.8 PK | 74 | -32.2 | -58.62 | 5.16 | -53.46 |
| 8 | 23975.6 | 22.72 AV | 54 | -31.28 | -77.7 | 5.16 | -72.54 |
| 9 | 39656.44 | 23.49 PK | 74 | -50.51 | -76.93 | 5.16 | -71.77 |
| 10 | 39656.44 | 17.28 AV | 54 | -36.72 | -83.14 | 5.16 | -77.98 |

Note: Margin value = Emission Level - Limit value

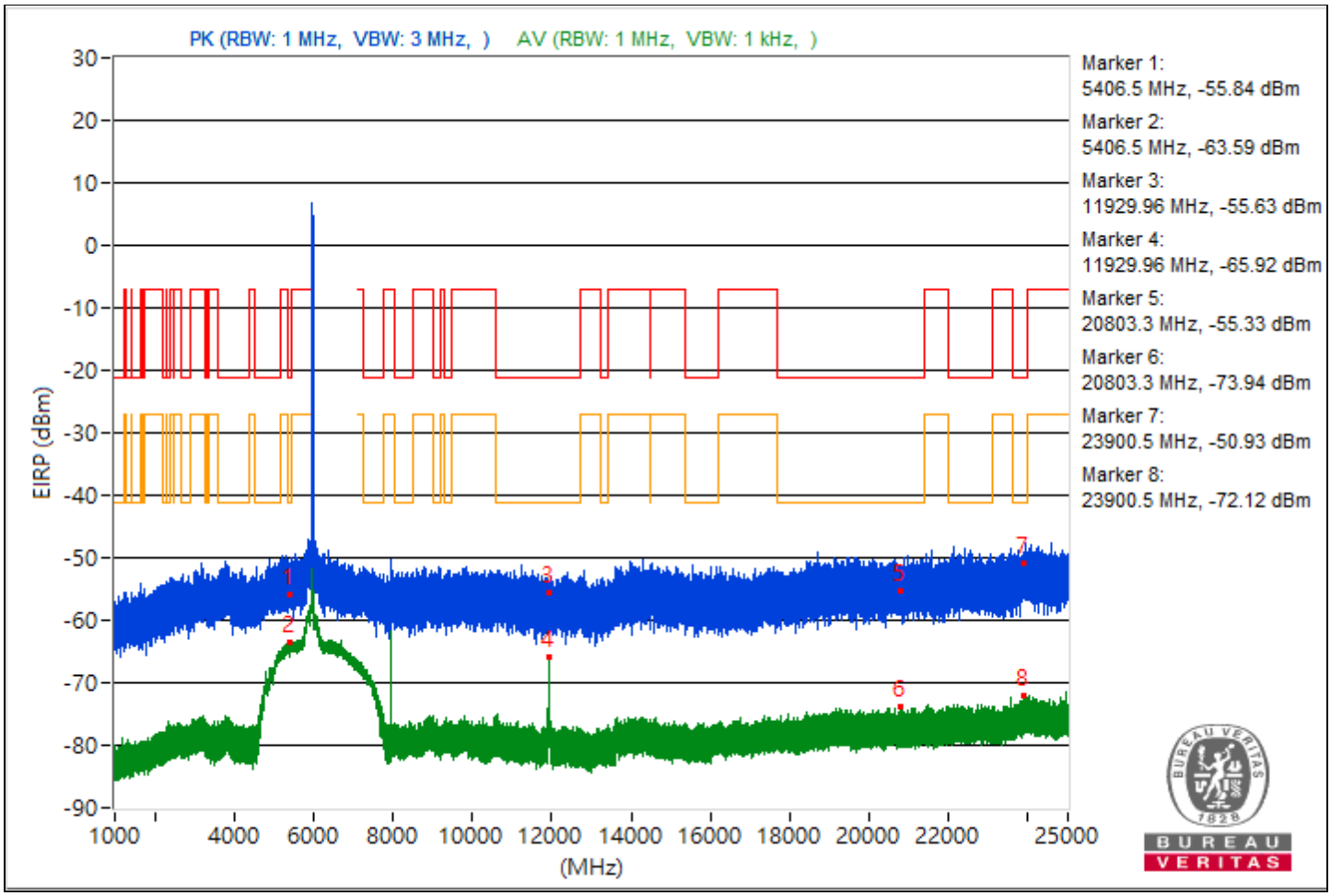


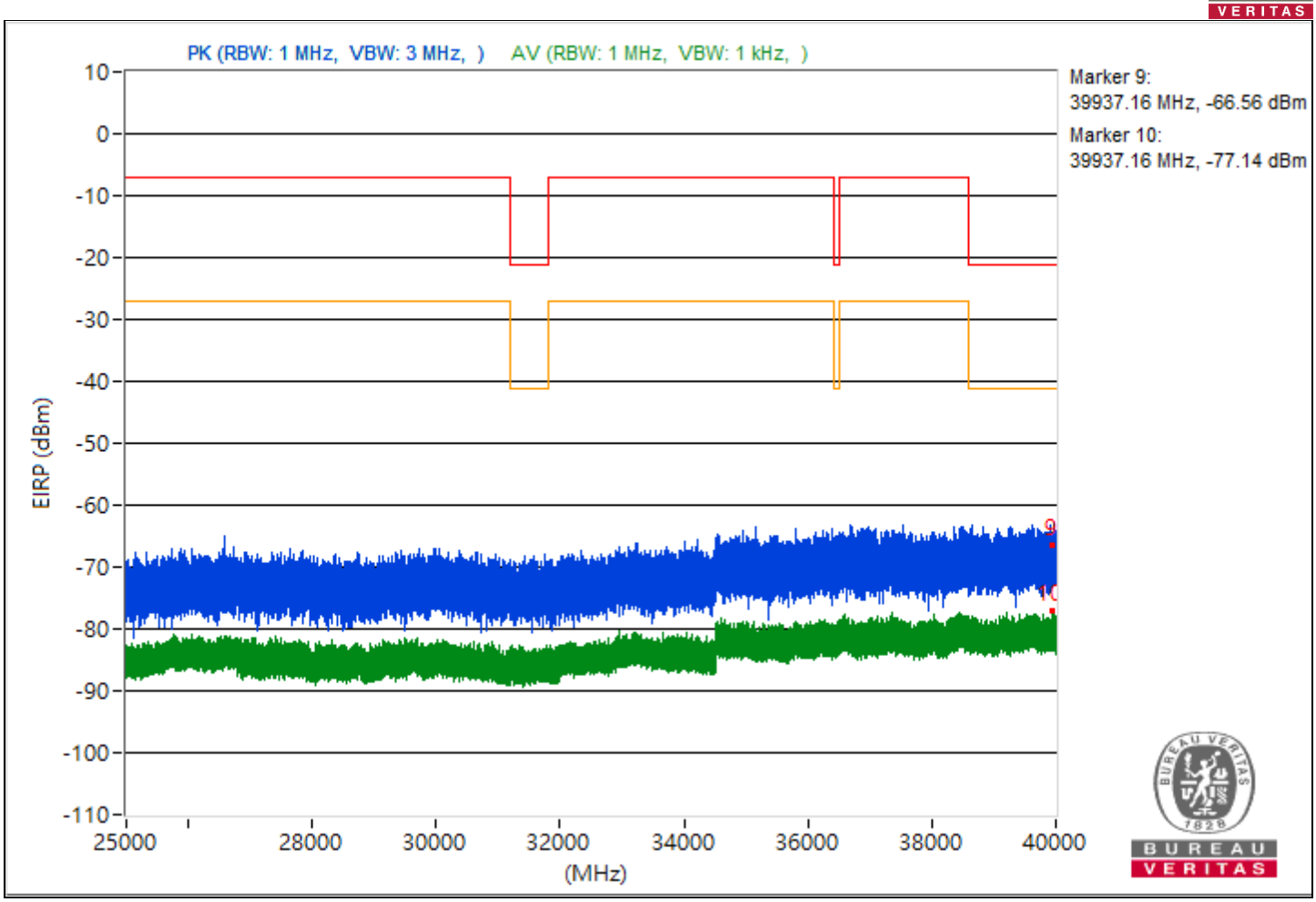

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39656.44 MHz, -71.77 dBm
Marker 10:
39656.44 MHz, -77.98 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE40) | Channel | CH 3：5965 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5406.5 | 39.42 PK | 74 | -34.58 | -61 | 5.16 | -55.84 |
| 2 | 5406.5 | 31.67 AV | 54 | -22.33 | -68.75 | 5.16 | -63.59 |
| 3 | 11929.96 | 39.63 PK | 74 | -34.37 | -60.79 | 5.16 | -55.63 |
| 4 | 11929.96 | 29.34 AV | 54 | -24.66 | -71.08 | 5.16 | -65.92 |
| 5 | 20803.3 | 39.93 PK | 74 | -34.07 | -60.49 | 5.16 | -55.33 |
| 6 | 20803.3 | 21.32 AV | 54 | -32.68 | -79.1 | 5.16 | -73.94 |
| 7 | 23900.5 | 44.33 PK | 74 | -29.67 | -56.09 | 5.16 | -50.93 |
| 8 | 23900.5 | 23.14 AV | 54 | -30.86 | -77.28 | 5.16 | -72.12 |
| 9 | 39937.16 | 28.7 PK | 74 | -45.3 | -71.72 | 5.16 | -66.56 |
| 10 | 39937.16 | 18.12 AV | 54 | -35.88 | -82.3 | 5.16 | -77.14 |

Note: Margin value = Emission Level - Limit value

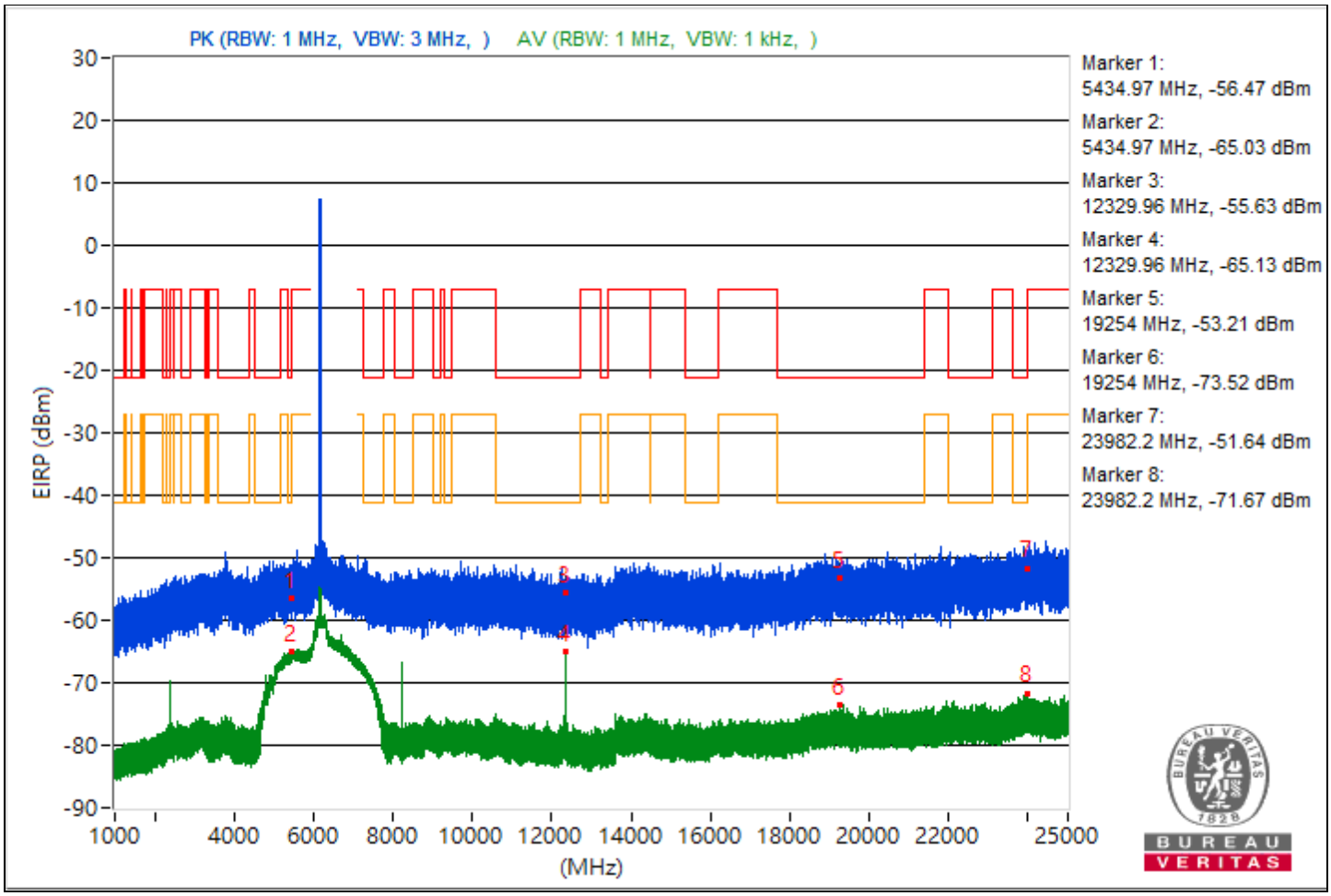


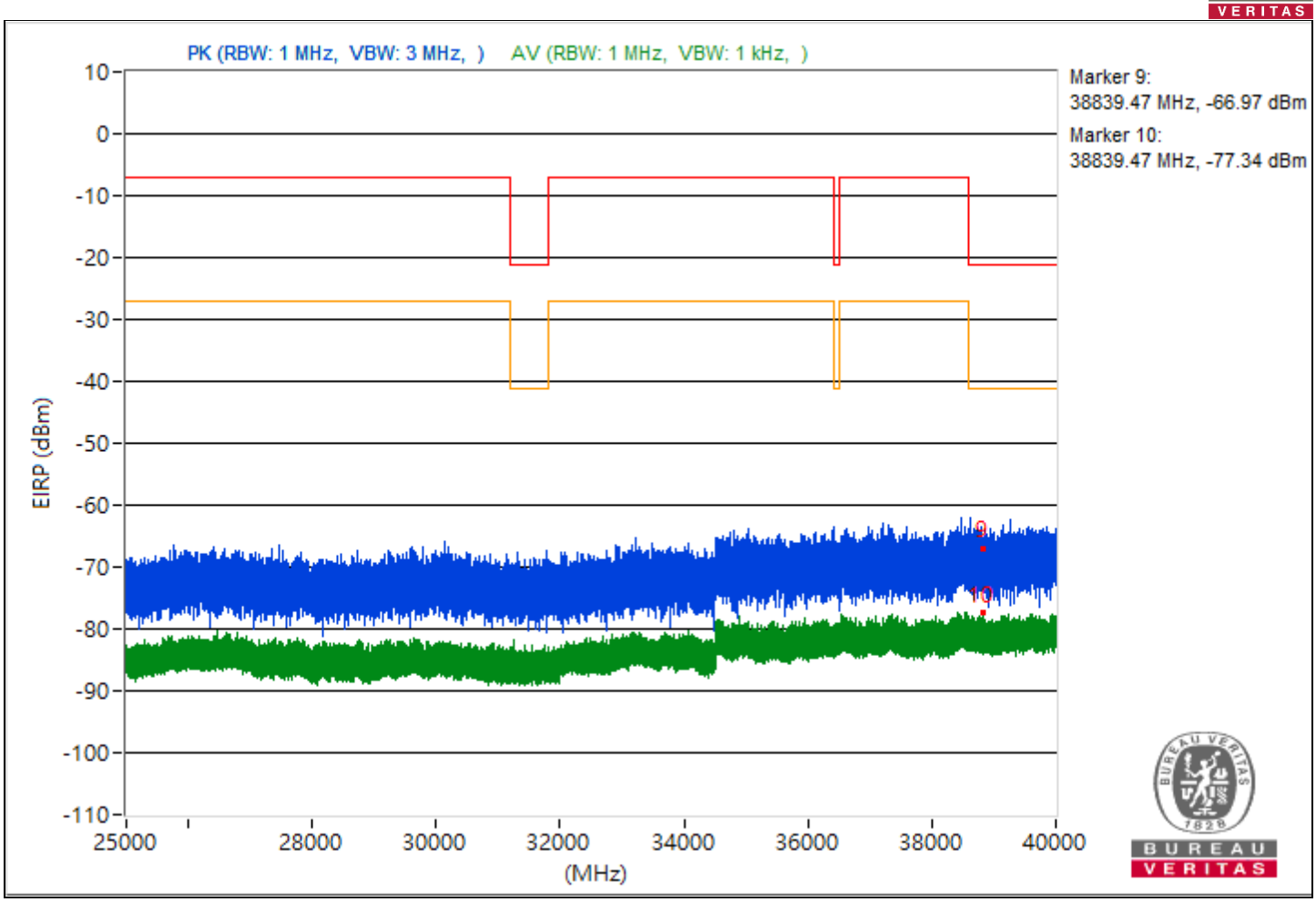

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39937.16 MHz, -66.56 dBm
Marker 10:
39937.16 MHz, -77.14 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE40) | Channel | CH 43：6165 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5434.97 | 38.79 PK | 74 | -35.21 | -61.63 | 5.16 | -56.47 |
| 2 | 5434.97 | 30.23 AV | 54 | -23.77 | -70.19 | 5.16 | -65.03 |
| 3 | 12329.96 | 39.63 PK | 74 | -34.37 | -60.79 | 5.16 | -55.63 |
| 4 | 12329.96 | 30.13 AV | 54 | -23.87 | -70.29 | 5.16 | -65.13 |
| 5 | 19254 | 42.05 PK | 74 | -31.95 | -58.37 | 5.16 | -53.21 |
| 6 | 19254 | 21.74 AV | 54 | -32.26 | -78.68 | 5.16 | -73.52 |
| 7 | 23982.2 | 43.62 PK | 74 | -30.38 | -56.8 | 5.16 | -51.64 |
| 8 | 23982.2 | 23.59 AV | 54 | -30.41 | -76.83 | 5.16 | -71.67 |
| 9 | 38839.47 | 28.29 PK | 74 | -45.71 | -72.13 | 5.16 | -66.97 |
| 10 | 38839.47 | 17.92 AV | 54 | -36.08 | -82.5 | 5.16 | -77.34 |

Note: Margin value = Emission Level - Limit value

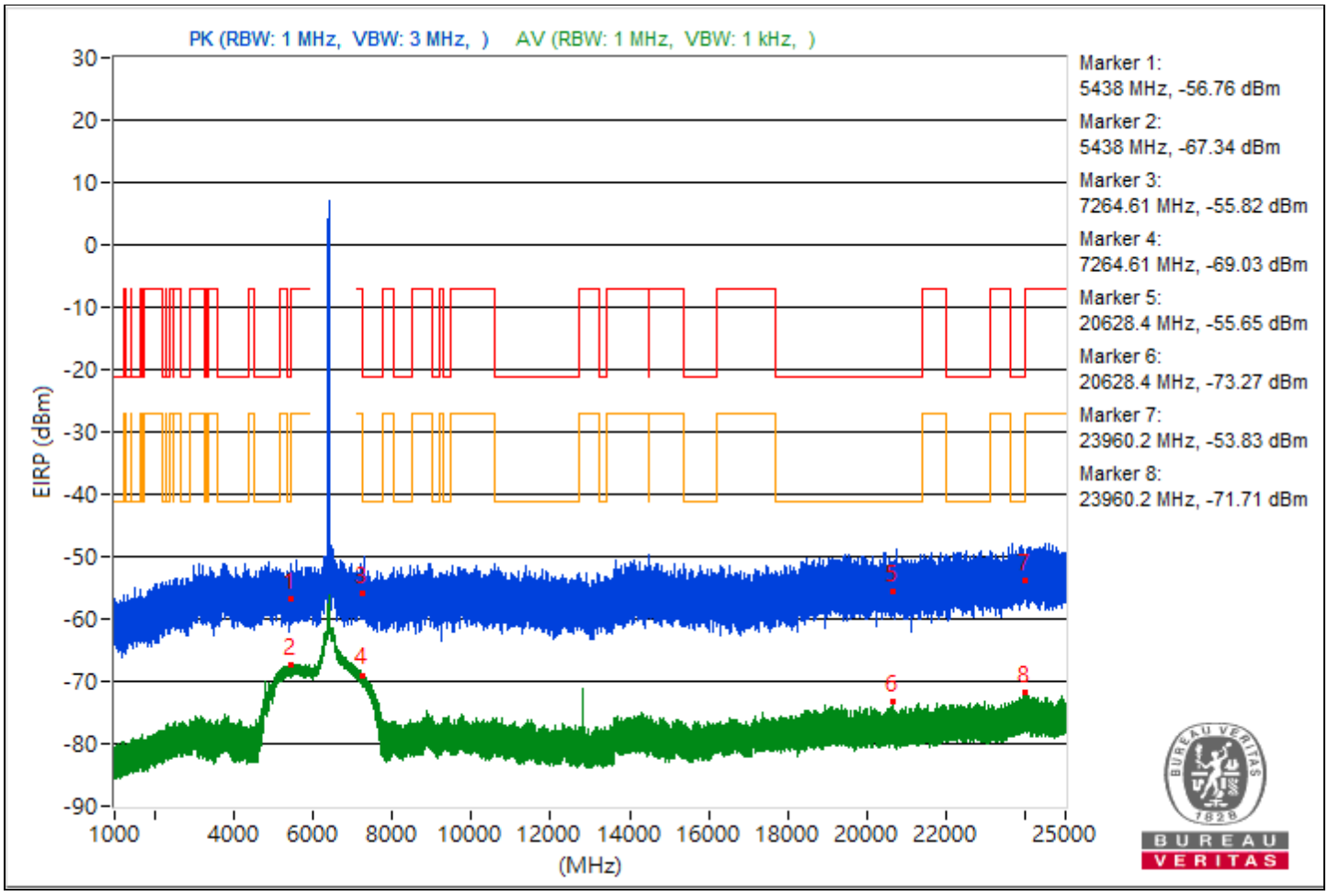


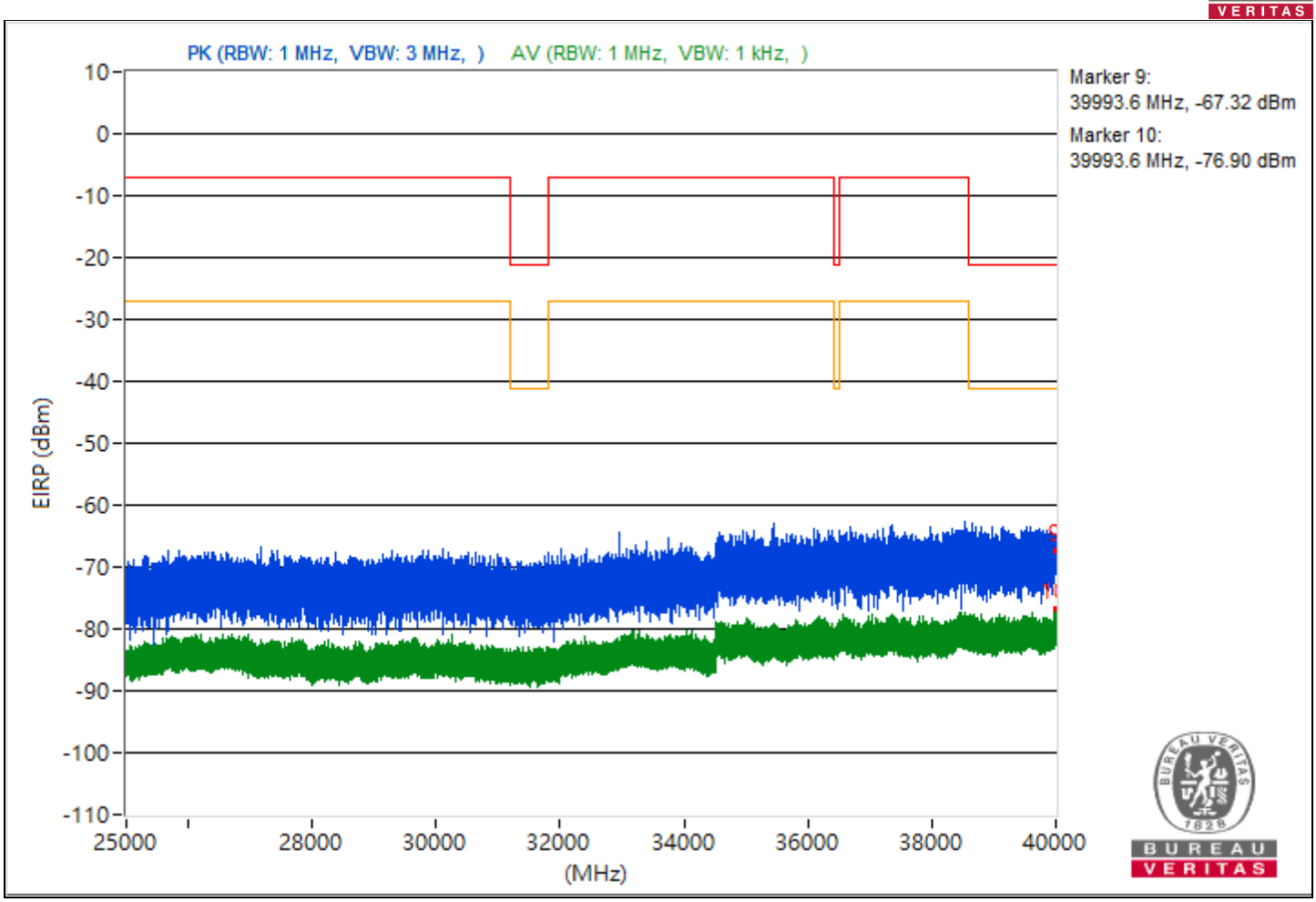

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
38839.47 MHz, -66.97 dBm
Marker 10:
38839.47 MHz, -77.34 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE40) | Channel | CH 91：6405 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5438 | 38.5 PK | 74 | -35.5 | -61.92 | 5.16 | -56.76 |
| 2 | 5438 | 27.92 AV | 54 | -26.08 | -72.5 | 5.16 | -67.34 |
| 3 | 7264.61 | 39.44 PK | 74 | -34.56 | -60.98 | 5.16 | -55.82 |
| 4 | 7264.61 | 26.23 AV | 54 | -27.77 | -74.19 | 5.16 | -69.03 |
| 5 | 20628.4 | 39.61 PK | 74 | -34.39 | -60.81 | 5.16 | -55.65 |
| 6 | 20628.4 | 21.99 AV | 54 | -32.01 | -78.43 | 5.16 | -73.27 |
| 7 | 23960.2 | 41.43 PK | 74 | -32.57 | -58.99 | 5.16 | -53.83 |
| 8 | 23960.2 | 23.55 AV | 54 | -30.45 | -76.87 | 5.16 | -71.71 |
| 9 | 39993.6 | 27.94 PK | 74 | -46.06 | -72.48 | 5.16 | -67.32 |
| 10 | 39993.6 | 18.36 AV | 54 | -35.64 | -82.06 | 5.16 | -76.9 |

Note: Margin value = Emission Level - Limit value

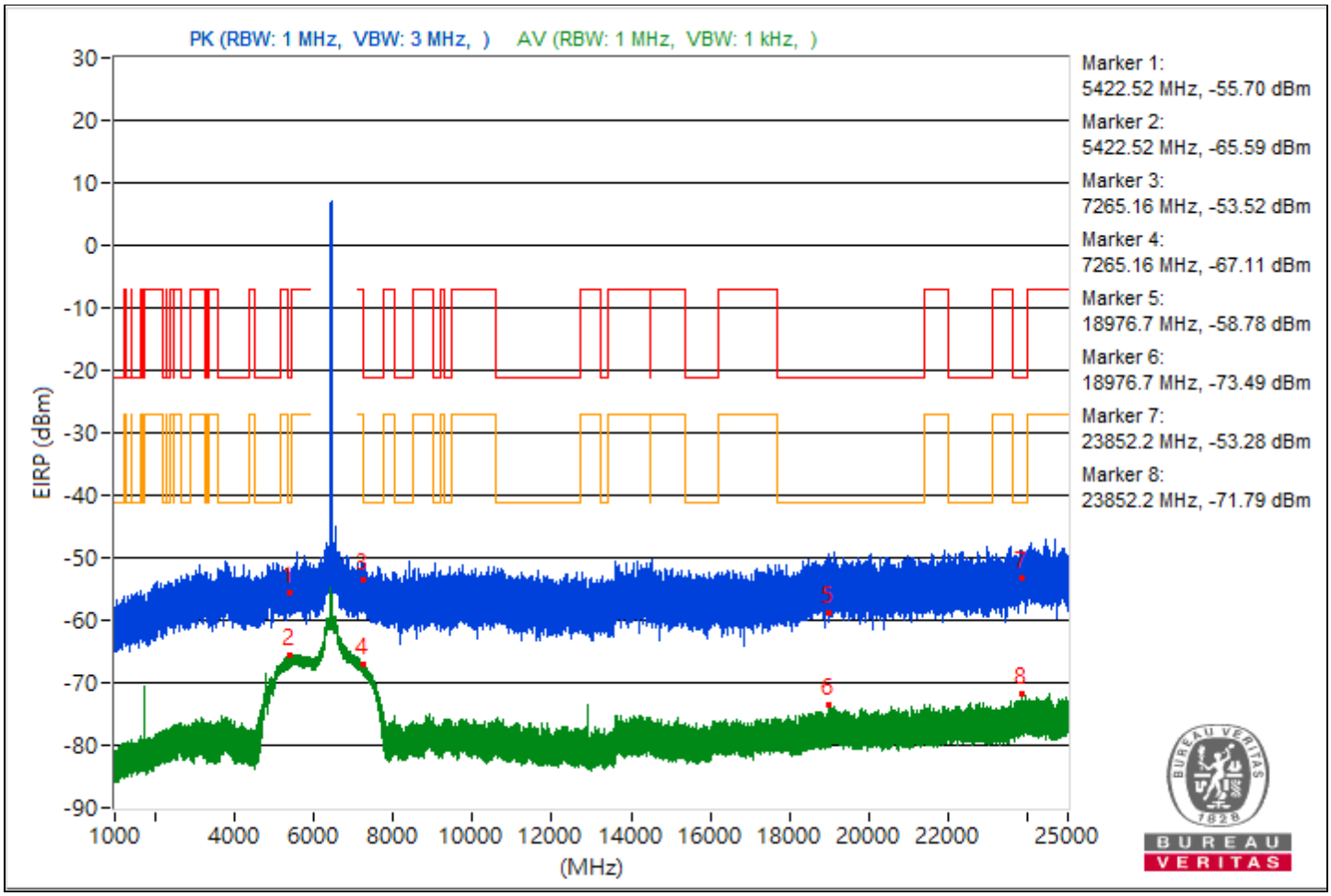


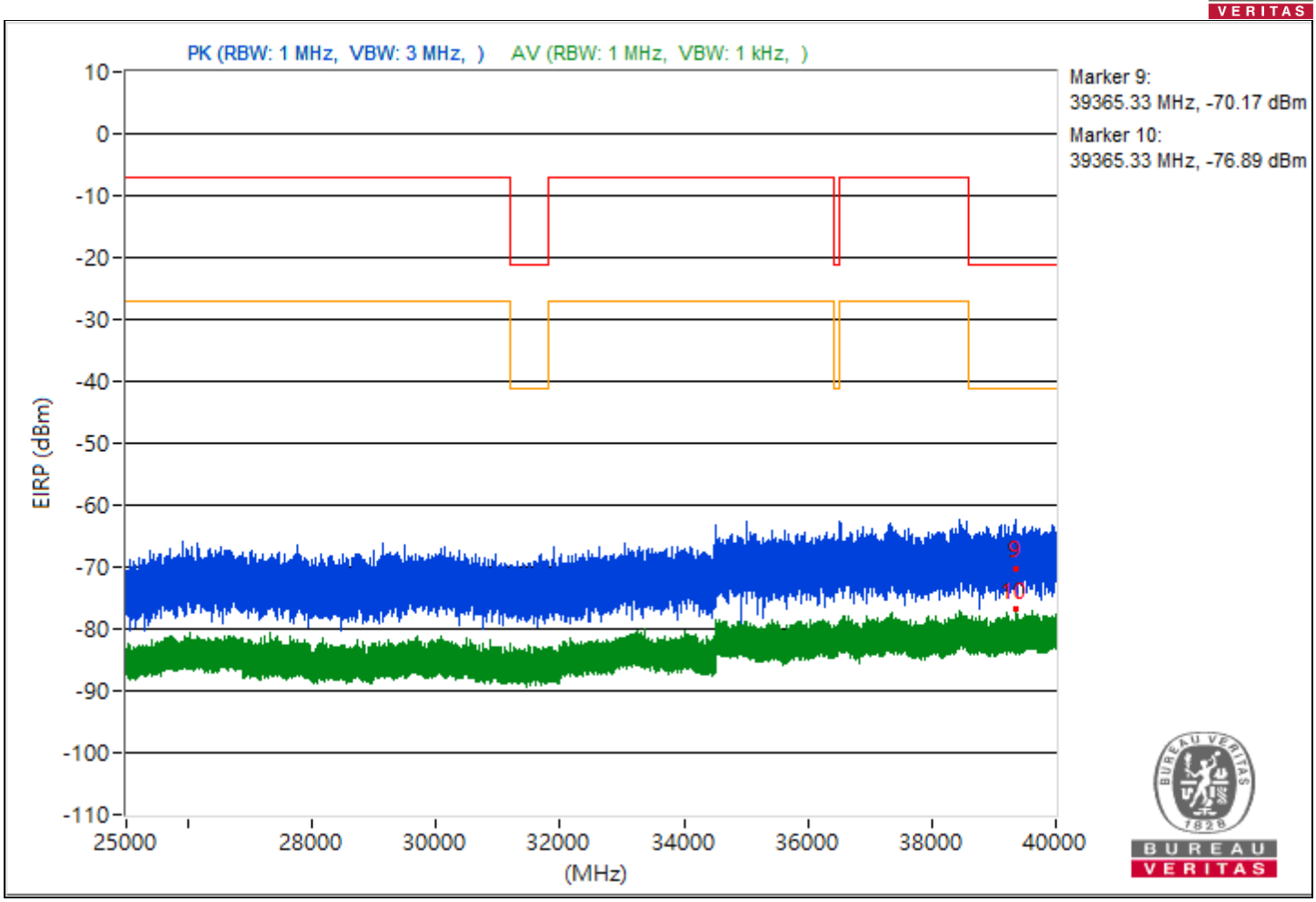

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39993.6 MHz, -67.32 dBm
Marker 10:
39993.6 MHz, -76.90 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| RF Mode | 802.11ax (HE40) | Channel | CH 99：6445 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5422.52 | 39.56 PK | 74 | -34.44 | -60.86 | 5.16 | -55.7 |
| 2 | 5422.52 | 29.67 AV | 54 | -24.33 | -70.75 | 5.16 | -65.59 |
| 3 | 7265.16 | 41.74 PK | 74 | -32.26 | -58.68 | 5.16 | -53.52 |
| 4 | 7265.16 | 28.15 AV | 54 | -25.85 | -72.27 | 5.16 | -67.11 |
| 5 | 18976.7 | 36.48 PK | 74 | -37.52 | -63.94 | 5.16 | -58.78 |
| 6 | 18976.7 | 21.77 AV | 54 | -32.23 | -78.65 | 5.16 | -73.49 |
| 7 | 23852.2 | 41.98 PK | 74 | -32.02 | -58.44 | 5.16 | -53.28 |
| 8 | 23852.2 | 23.47 AV | 54 | -30.53 | -76.95 | 5.16 | -71.79 |
| 9 | 39365.33 | 25.09 PK | 74 | -48.91 | -75.33 | 5.16 | -70.17 |
| 10 | 39365.33 | 18.37 AV | 54 | -35.63 | -82.05 | 5.16 | -76.89 |

Note: Margin value = Emission Level - Limit value

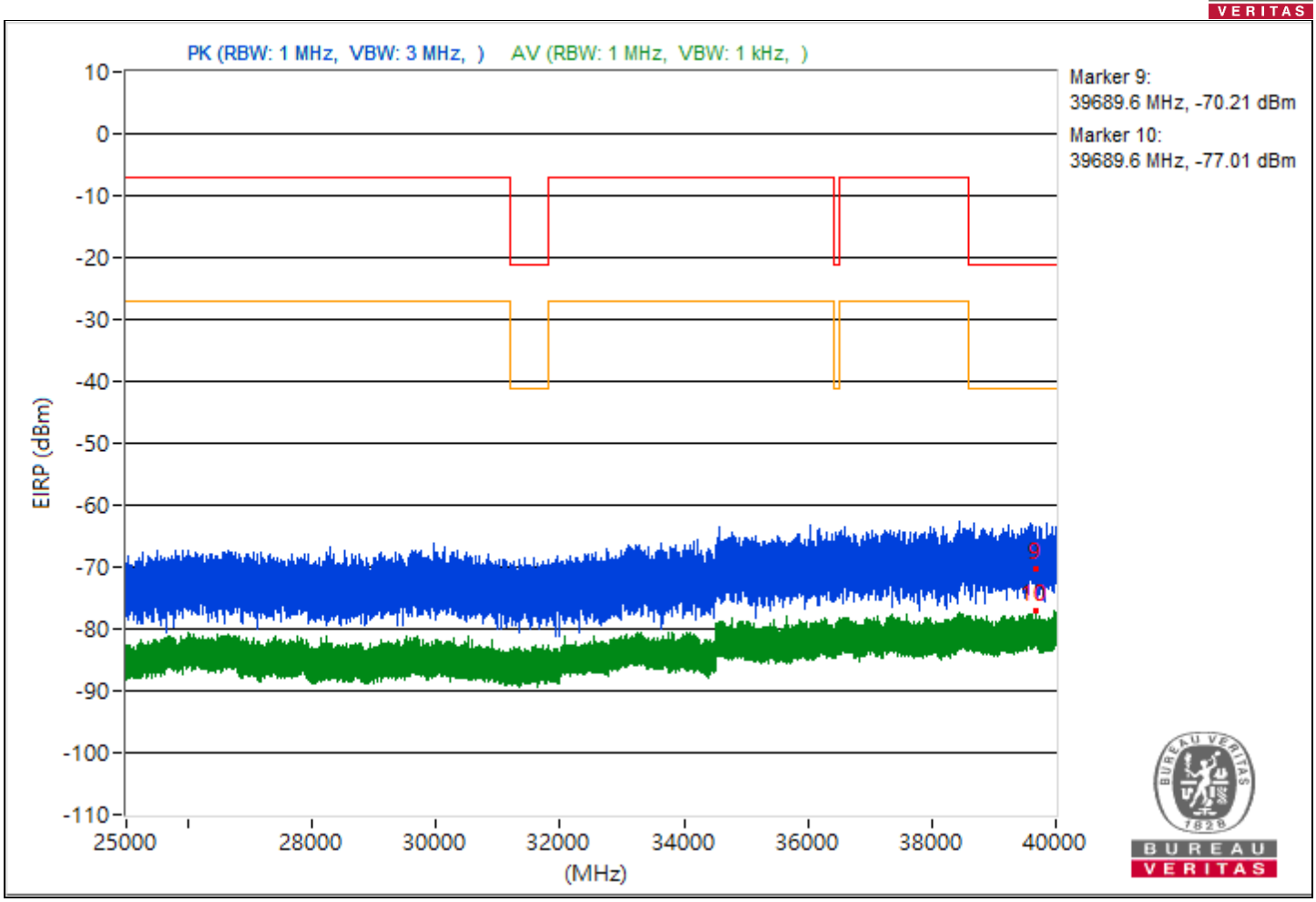



PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39365.33 MHz, -70.17 dBm
Marker 10:
39365.33 MHz, -76.89 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE40) | Channel | CH 107：6485 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5454.64 | 37.54 PK | 74 | -36.46 | -62.88 | 5.16 | -57.72 |
| 2 | 5454.64 | 29.57 AV | 54 | -24.43 | -70.85 | 5.16 | -65.69 |
| 3 | 7275.11 | 40.14 PK | 74 | -33.86 | -60.28 | 5.16 | -55.12 |
| 4 | 7275.11 | 28.1 AV | 54 | -25.9 | -72.32 | 5.16 | -67.16 |
| 5 | 18684.3 | 38.58 PK | 74 | -35.42 | -61.84 | 5.16 | -56.68 |
| 6 | 18684.3 | 21.5 AV | 54 | -32.5 | -78.92 | 5.16 | -73.76 |
| 7 | 23861.3 | 40.66 PK | 74 | -33.34 | -59.76 | 5.16 | -54.6 |
| 8 | 23861.3 | 23.16 AV | 54 | -30.84 | -77.26 | 5.16 | -72.1 |
| 9 | 39689.6 | 25.05 PK | 74 | -48.95 | -75.37 | 5.16 | -70.21 |
| 10 | 39689.6 | 18.25 AV | 54 | -35.75 | -82.17 | 5.16 | -77.01 |

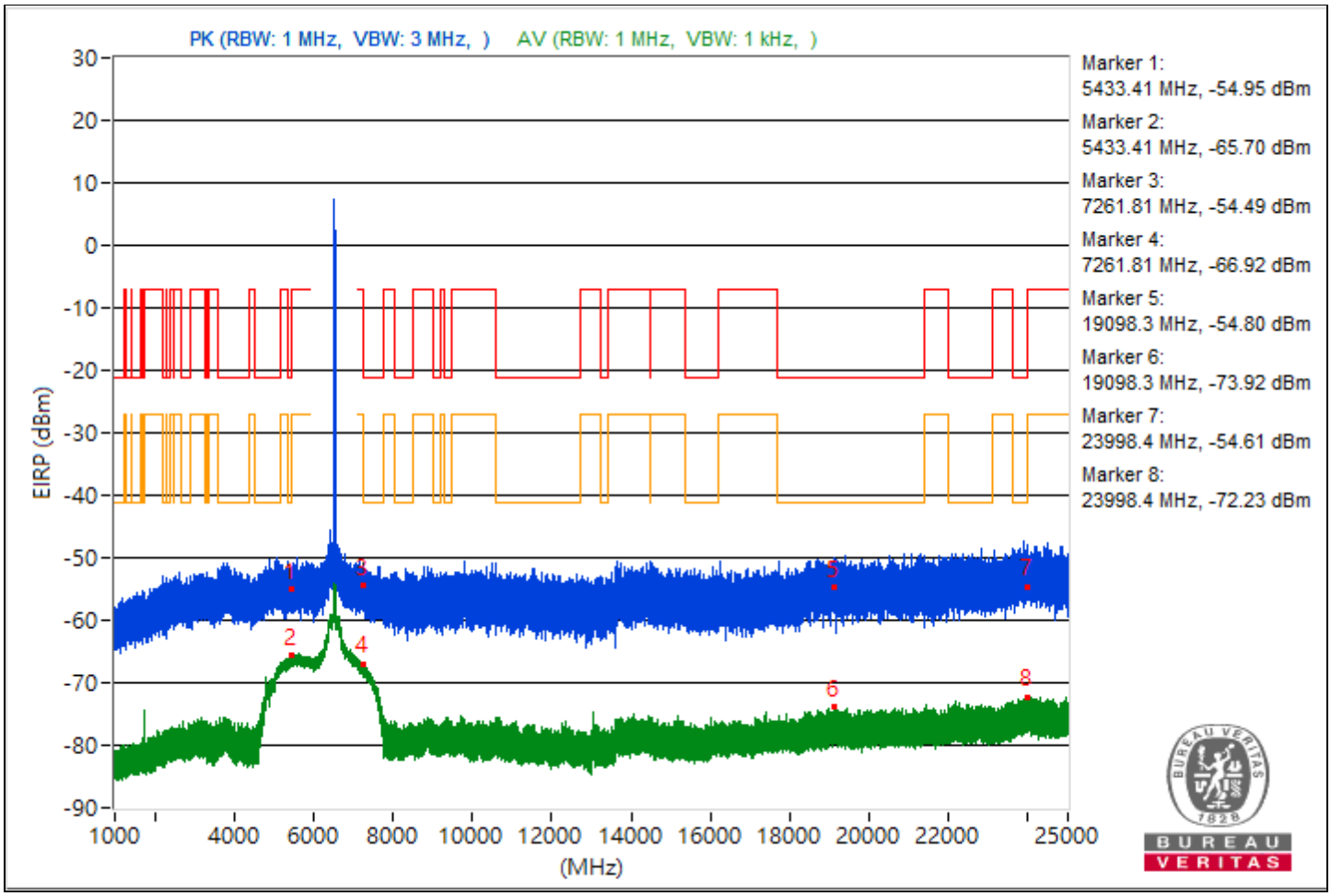
Note: Margin value = Emission Level - Limit value

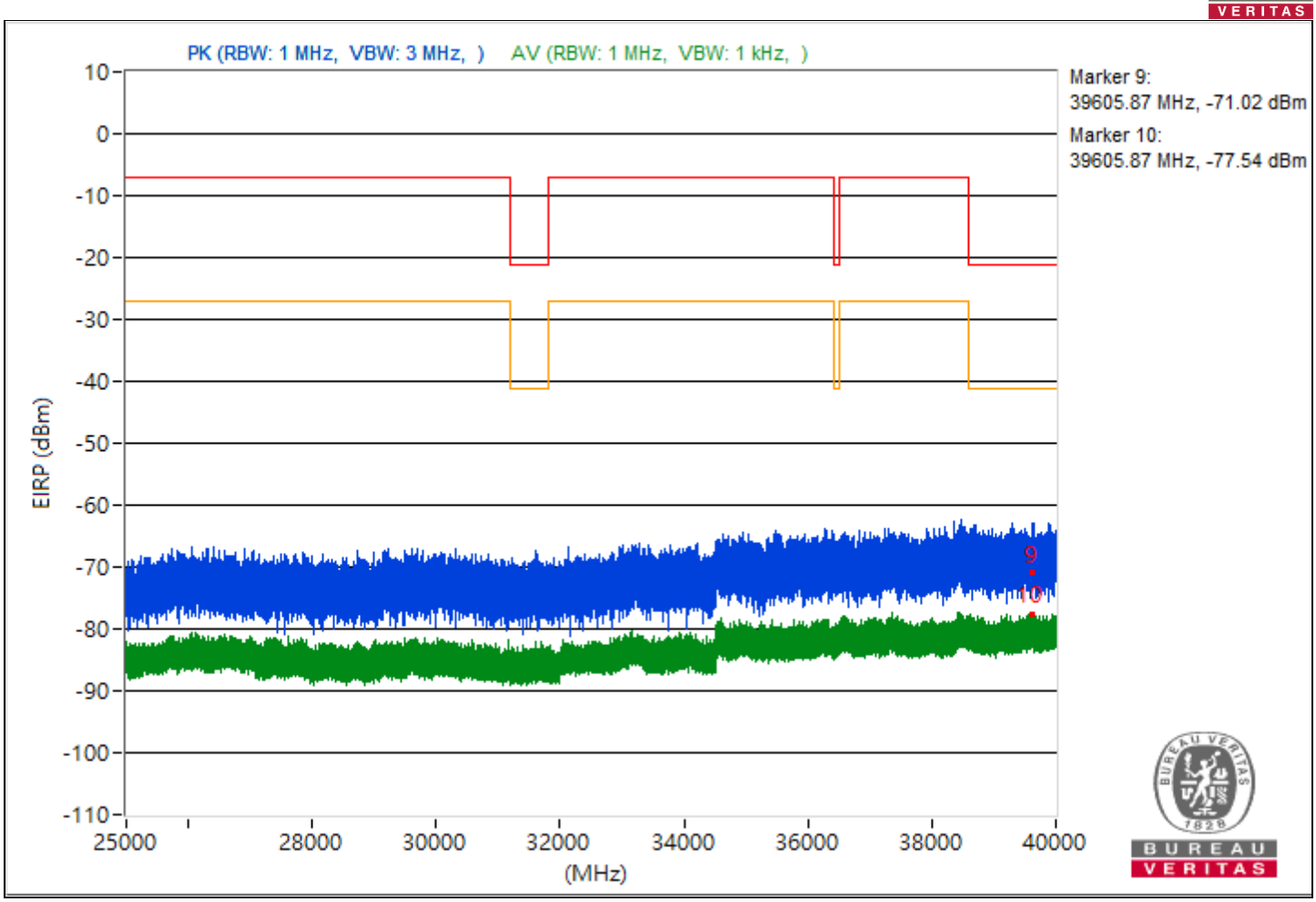

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39689.6 MHz, -70.21 dBm
Marker 10:
39689.6 MHz, -77.01 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE40) | Channel | CH 115：6525 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5433.41 | 40.31 PK | 74 | -33.69 | -60.11 | 5.16 | -54.95 |
| 2 | 5433.41 | 29.56 AV | 54 | -24.44 | -70.86 | 5.16 | -65.7 |
| 3 | 7261.81 | 40.77 PK | 74 | -33.23 | -59.65 | 5.16 | -54.49 |
| 4 | 7261.81 | 28.34 AV | 54 | -25.66 | -72.08 | 5.16 | -66.92 |
| 5 | 19098.3 | 40.46 PK | 74 | -33.54 | -59.96 | 5.16 | -54.8 |
| 6 | 19098.3 | 21.34 AV | 54 | -32.66 | -79.08 | 5.16 | -73.92 |
| 7 | 23998.4 | 40.65 PK | 74 | -33.35 | -59.77 | 5.16 | -54.61 |
| 8 | 23998.4 | 23.03 AV | 54 | -30.97 | -77.39 | 5.16 | -72.23 |
| 9 | 39605.87 | 24.24 PK | 74 | -49.76 | -76.18 | 5.16 | -71.02 |
| 10 | 39605.87 | 17.72 AV | 54 | -36.28 | -82.7 | 5.16 | -77.54 |

Note: Margin value = Emission Level - Limit value



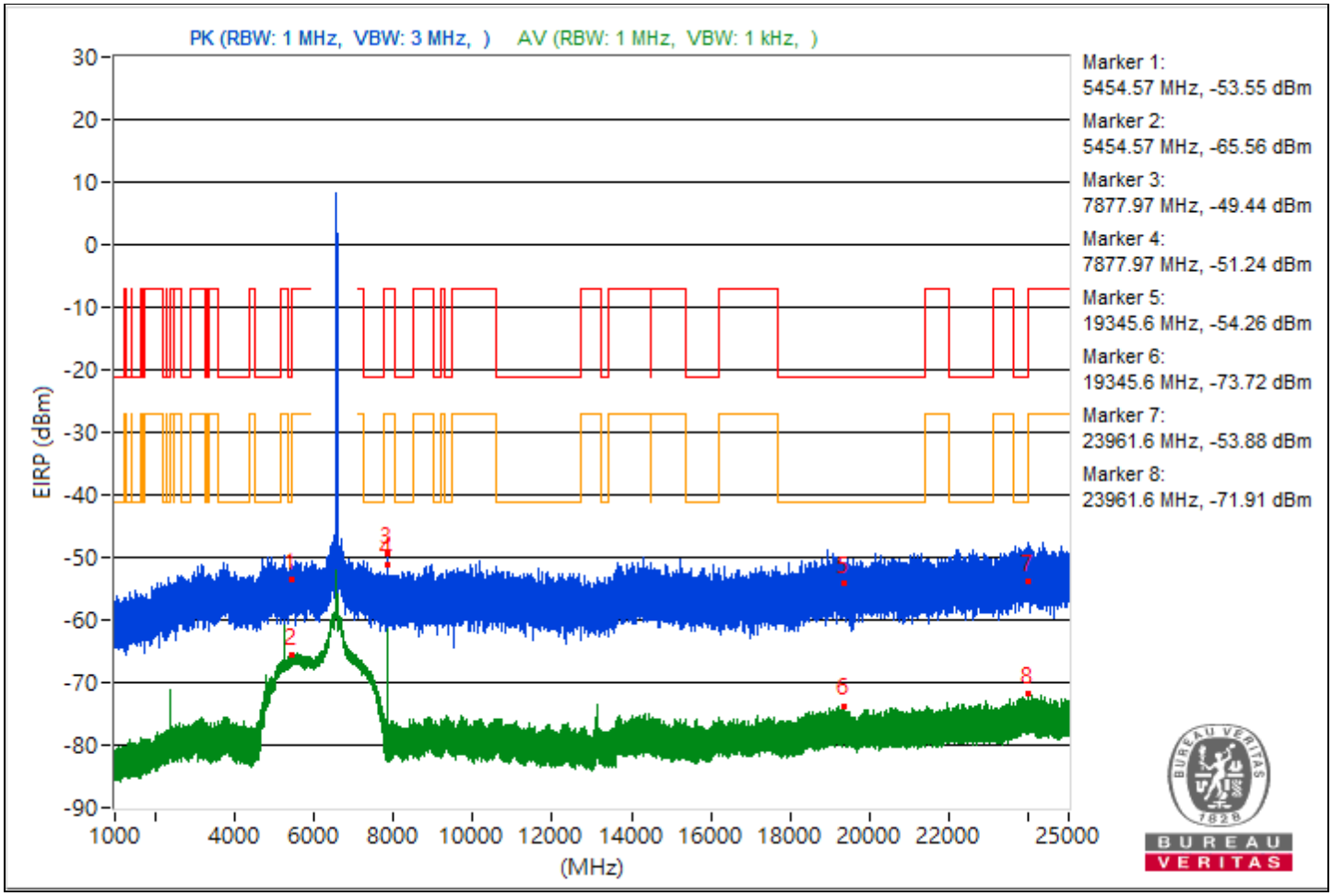

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39605.87 MHz, -71.02 dBm
Marker 10:
39605.87 MHz, -77.54 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

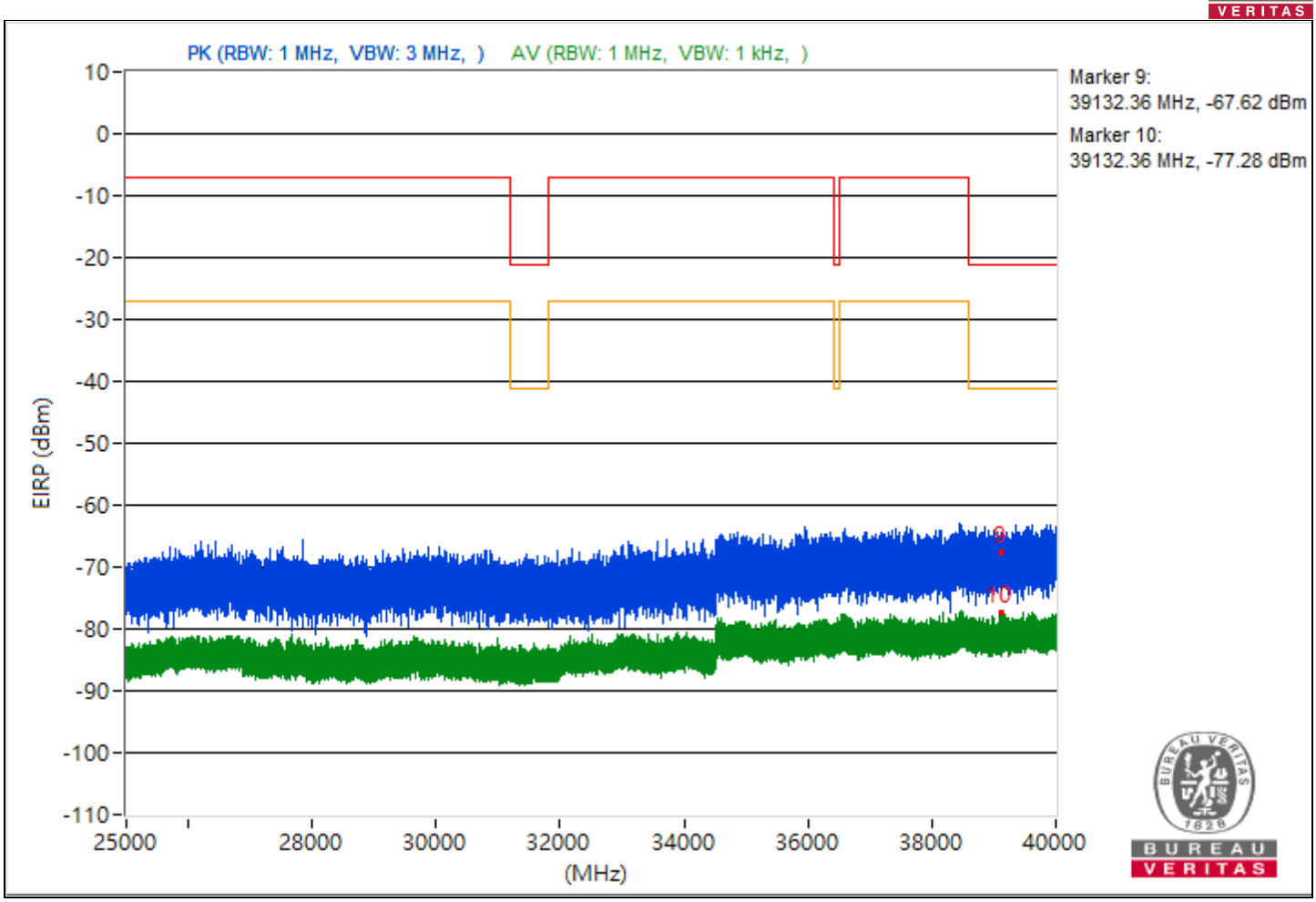
| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE40) | Channel | CH 123：6565 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5454.57 | 41.71 PK | 74 | -32.29 | -58.71 | 5.16 | -53.55 |
| 2 | 5454.57 | 29.7 AV | 54 | -24.3 | -70.72 | 5.16 | -65.56 |
| 3 | #7877.97 | 45.82 PK | 88.26 | -42.44 | -54.6 | 5.16 | -49.44 |
| 4 | #7877.97 | 44.02 AV | 68.26 | -24.24 | -56.4 | 5.16 | -51.24 |
| 5 | 19345.6 | 41 PK | 74 | -33 | -59.42 | 5.16 | -54.26 |
| 6 | 19345.6 | 21.54 AV | 54 | -32.46 | -78.88 | 5.16 | -73.72 |
| 7 | 23961.6 | 41.38 PK | 74 | -32.62 | -59.04 | 5.16 | -53.88 |
| 8 | 23961.6 | 23.35 AV | 54 | -30.65 | -77.07 | 5.16 | -71.91 |
| 9 | 39132.36 | 27.64 PK | 74 | -46.36 | -72.78 | 5.16 | -67.62 |
| 10 | 39132.36 | 17.98 AV | 54 | -36.02 | -82.44 | 5.16 | -77.28 |

Notes:

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

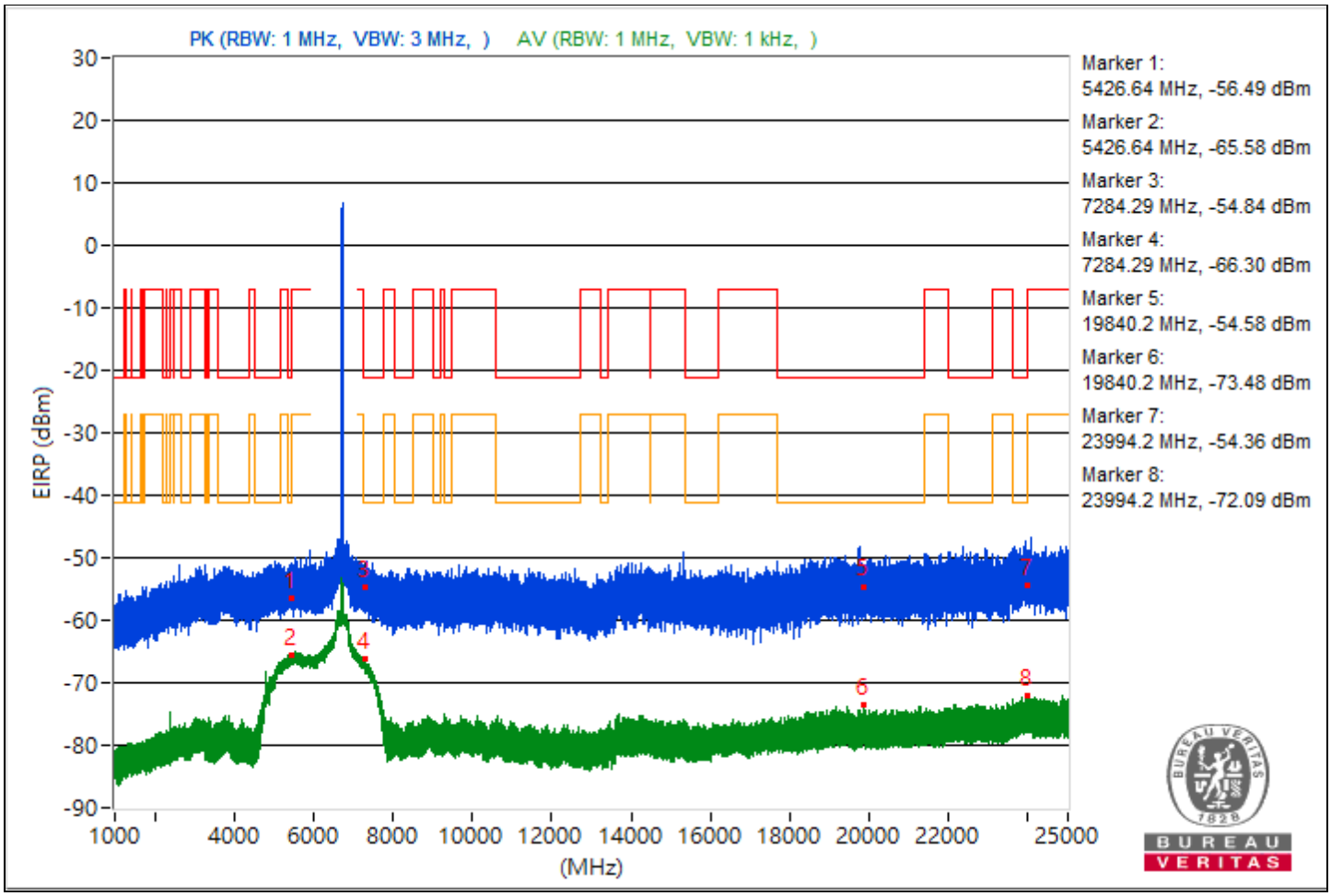


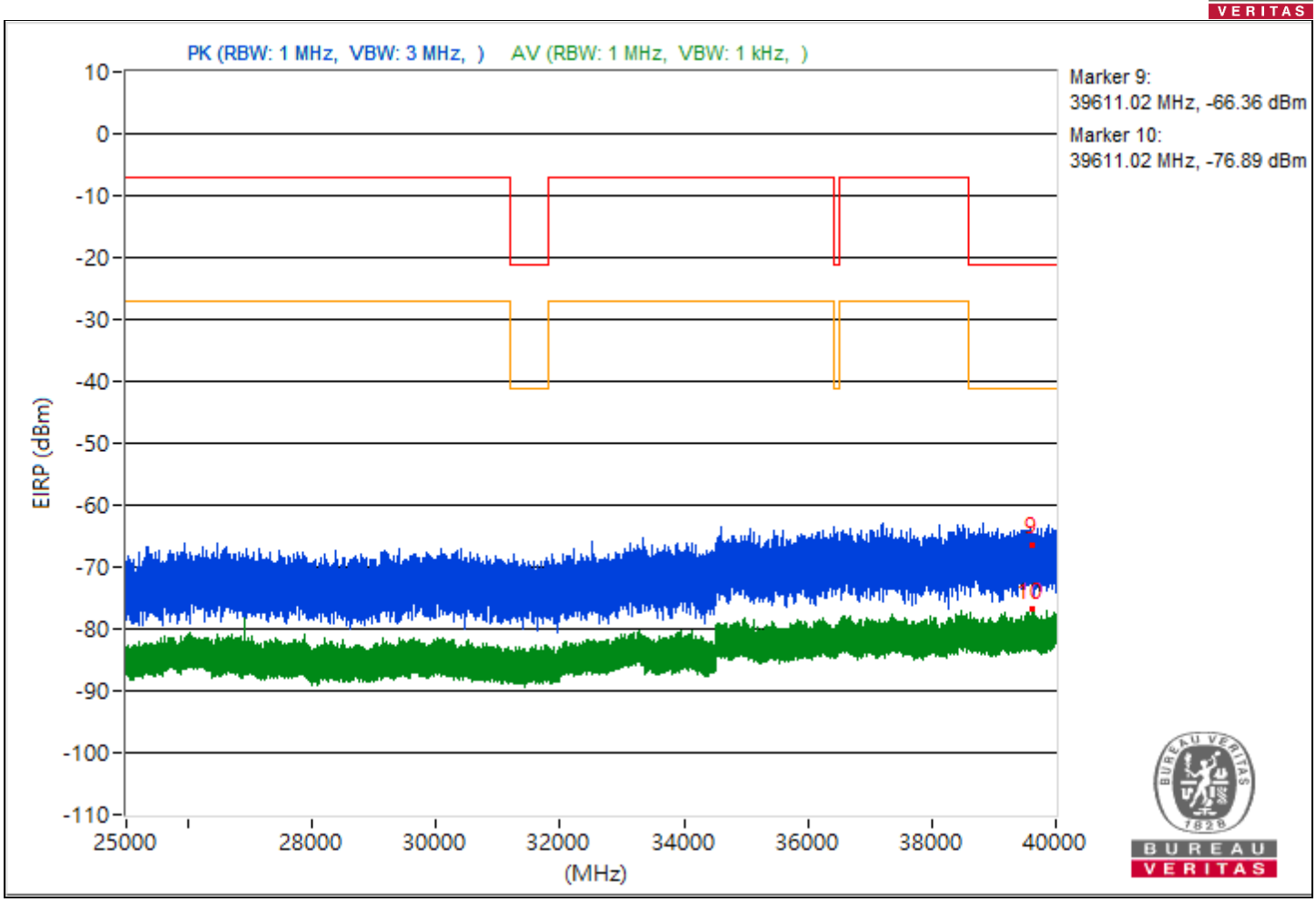

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39132.36 MHz, -67.62 dBm
Marker 10:
39132.36 MHz, -77.28 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE40) | Channel | CH 155：6725 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5426.64 | 38.77 PK | 74 | -35.23 | -61.65 | 5.16 | -56.49 |
| 2 | 5426.64 | 29.68 AV | 54 | -24.32 | -70.74 | 5.16 | -65.58 |
| 3 | 7284.29 | 40.42 PK | 74 | -33.58 | -60 | 5.16 | -54.84 |
| 4 | 7284.29 | 28.96 AV | 54 | -25.04 | -71.46 | 5.16 | -66.3 |
| 5 | 19840.2 | 40.68 PK | 74 | -33.32 | -59.74 | 5.16 | -54.58 |
| 6 | 19840.2 | 21.78 AV | 54 | -32.22 | -78.64 | 5.16 | -73.48 |
| 7 | 23994.2 | 40.9 PK | 74 | -33.1 | -59.52 | 5.16 | -54.36 |
| 8 | 23994.2 | 23.17 AV | 54 | -30.83 | -77.25 | 5.16 | -72.09 |
| 9 | 39611.02 | 28.9 PK | 74 | -45.1 | -71.52 | 5.16 | -66.36 |
| 10 | 39611.02 | 18.37 AV | 54 | -35.63 | -82.05 | 5.16 | -76.89 |

Note: Margin value = Emission Level - Limit value

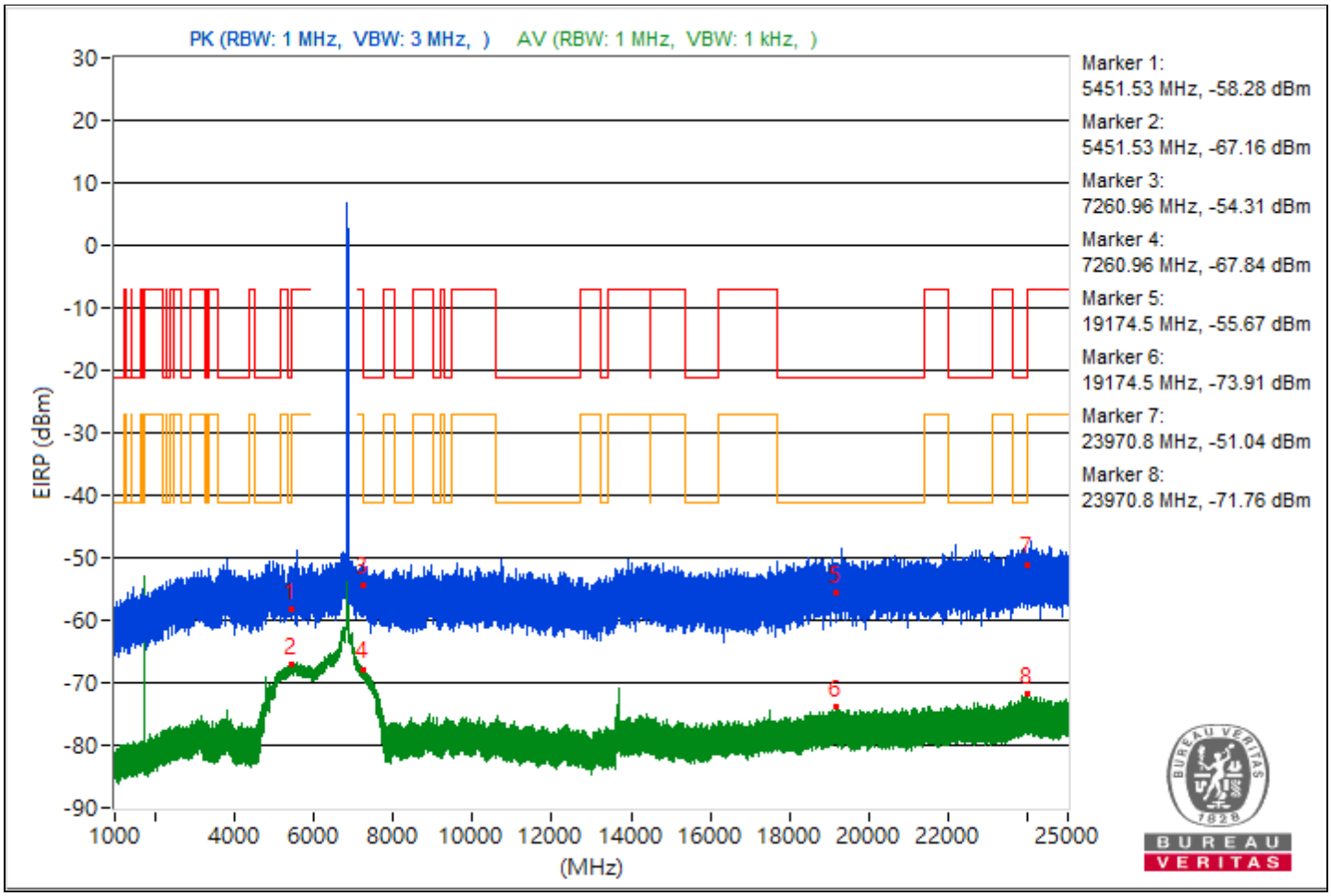


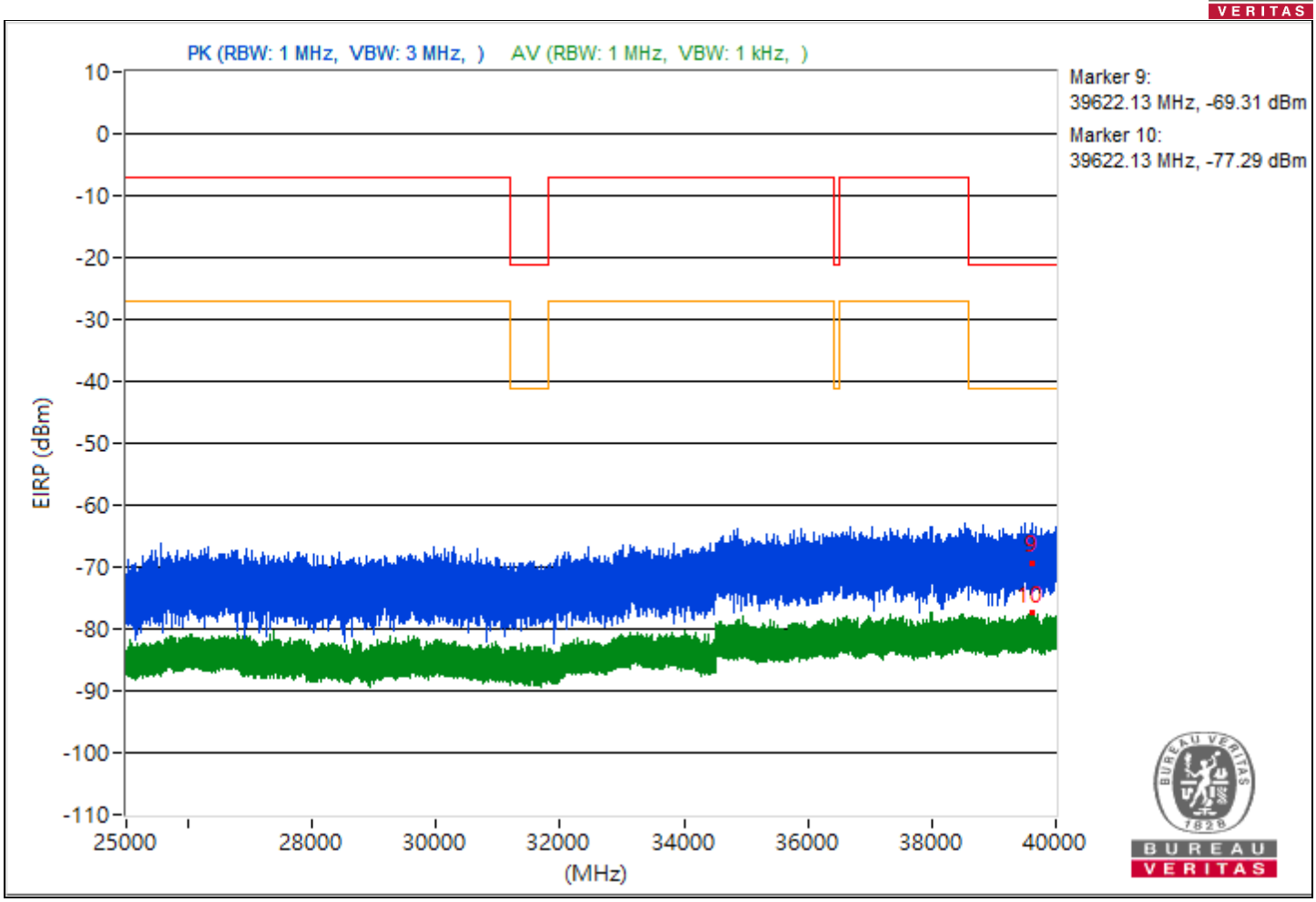

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39611.02 MHz, -66.36 dBm
Marker 10:
39611.02 MHz, -76.89 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE40) | Channel | CH 179：6845 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5451.53 | 36.98 PK | 74 | -37.02 | -63.44 | 5.16 | -58.28 |
| 2 | 5451.53 | 28.1 AV | 54 | -25.9 | -72.32 | 5.16 | -67.16 |
| 3 | 7260.96 | 40.95 PK | 74 | -33.05 | -59.47 | 5.16 | -54.31 |
| 4 | 7260.96 | 27.42 AV | 54 | -26.58 | -73 | 5.16 | -67.84 |
| 5 | 19174.5 | 39.59 PK | 74 | -34.41 | -60.83 | 5.16 | -55.67 |
| 6 | 19174.5 | 21.35 AV | 54 | -32.65 | -79.07 | 5.16 | -73.91 |
| 7 | 23970.8 | 44.22 PK | 74 | -29.78 | -56.2 | 5.16 | -51.04 |
| 8 | 23970.8 | 23.5 AV | 54 | -30.5 | -76.92 | 5.16 | -71.76 |
| 9 | 39622.13 | 25.95 PK | 74 | -48.05 | -74.47 | 5.16 | -69.31 |
| 10 | 39622.13 | 17.97 AV | 54 | -36.03 | -82.45 | 5.16 | -77.29 |

Note: Margin value = Emission Level - Limit value

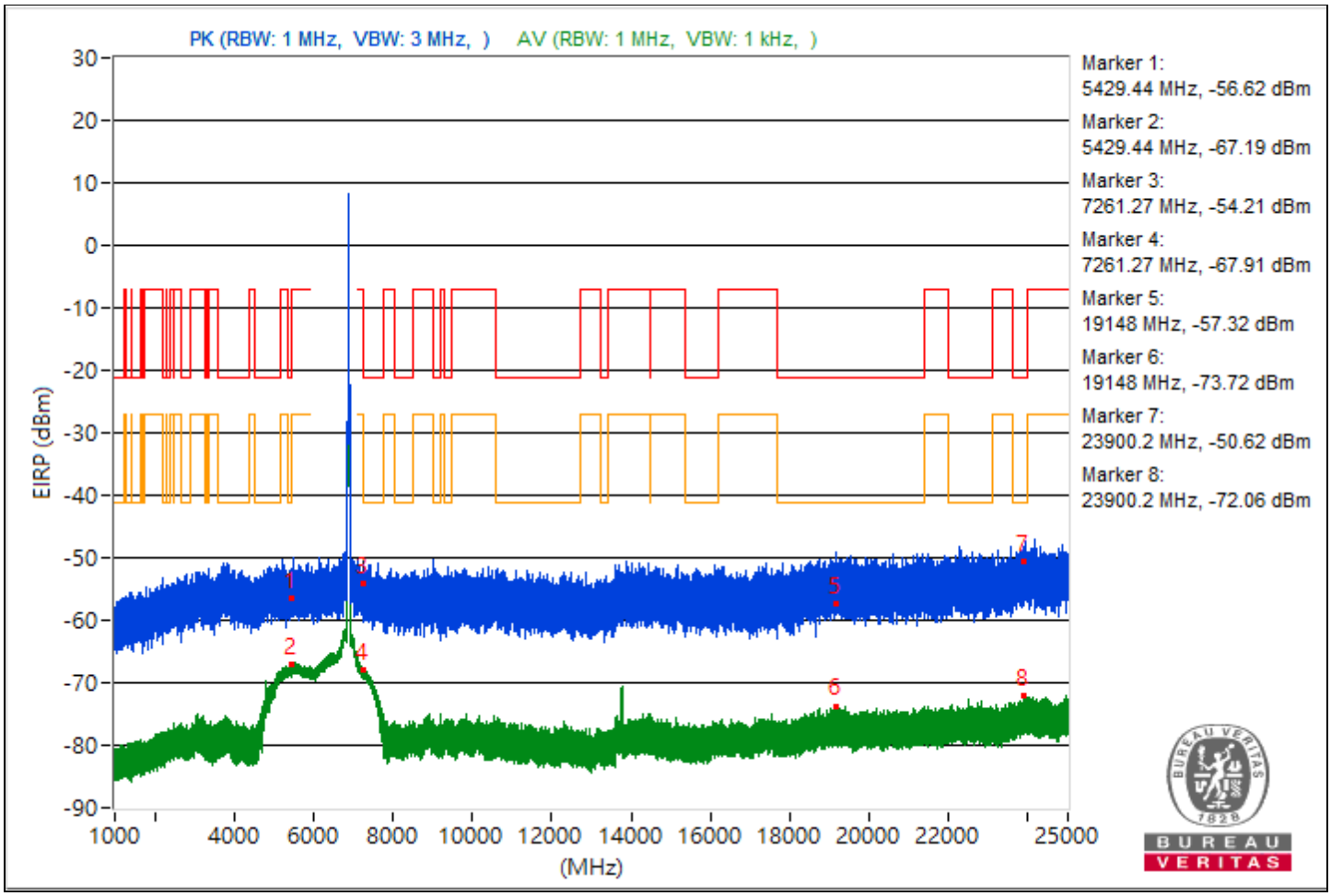


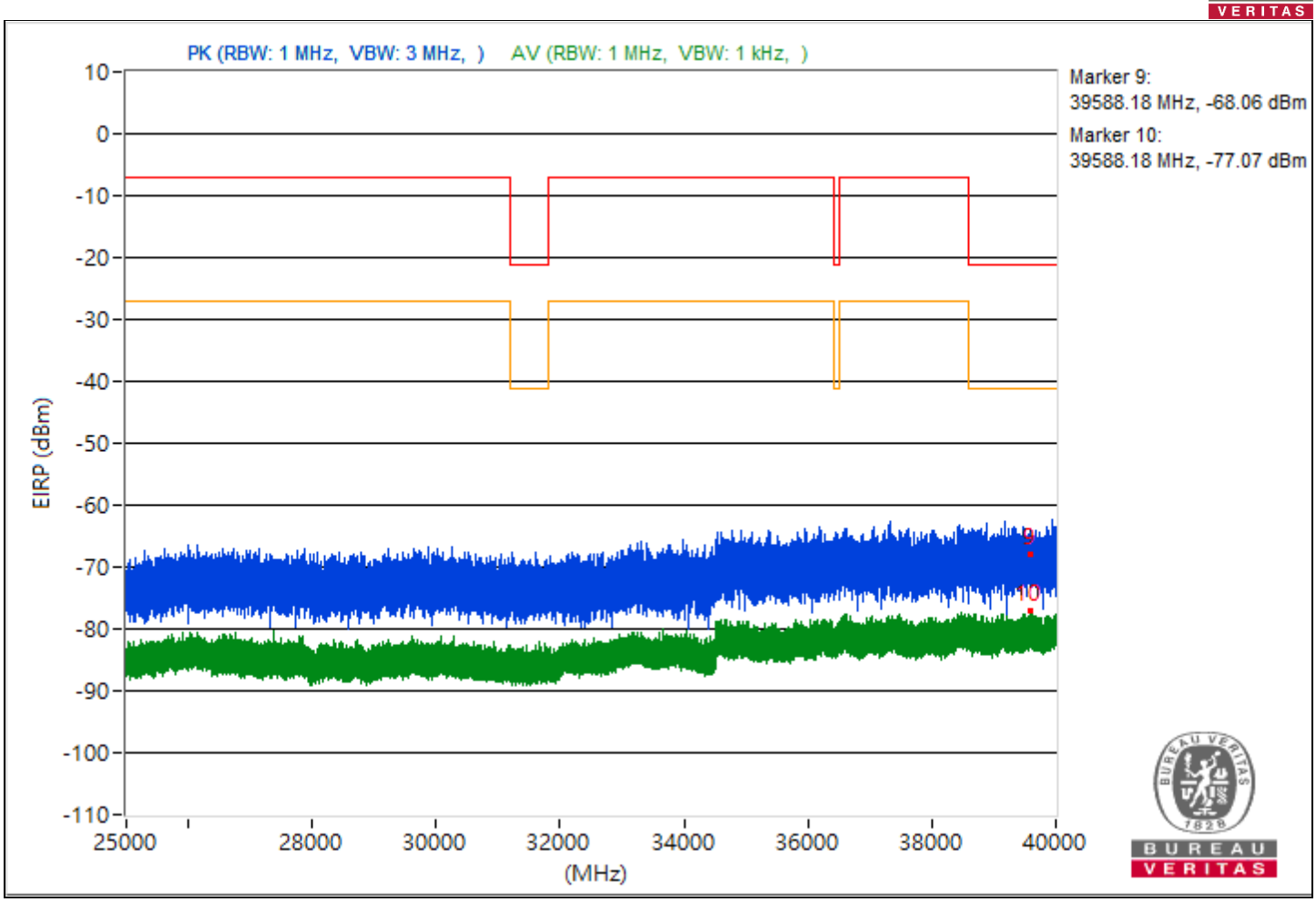

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39622.13 MHz, -69.31 dBm
Marker 10:
39622.13 MHz, -77.29 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE40) | Channel | CH 187：6885 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5429.44 | 38.64 PK | 74 | -35.36 | -61.78 | 5.16 | -56.62 |
| 2 | 5429.44 | 28.07 AV | 54 | -25.93 | -72.35 | 5.16 | -67.19 |
| 3 | 7261.27 | 41.05 PK | 74 | -32.95 | -59.37 | 5.16 | -54.21 |
| 4 | 7261.27 | 27.35 AV | 54 | -26.65 | -73.07 | 5.16 | -67.91 |
| 5 | 19148 | 37.94 PK | 74 | -36.06 | -62.48 | 5.16 | -57.32 |
| 6 | 19148 | 21.54 AV | 54 | -32.46 | -78.88 | 5.16 | -73.72 |
| 7 | 23900.2 | 44.64 PK | 74 | -29.36 | -55.78 | 5.16 | -50.62 |
| 8 | 23900.2 | 23.2 AV | 54 | -30.8 | -77.22 | 5.16 | -72.06 |
| 9 | 39588.18 | 27.2 PK | 74 | -46.8 | -73.22 | 5.16 | -68.06 |
| 10 | 39588.18 | 18.19 AV | 54 | -35.81 | -82.23 | 5.16 | -77.07 |

Note: Margin value = Emission Level - Limit value

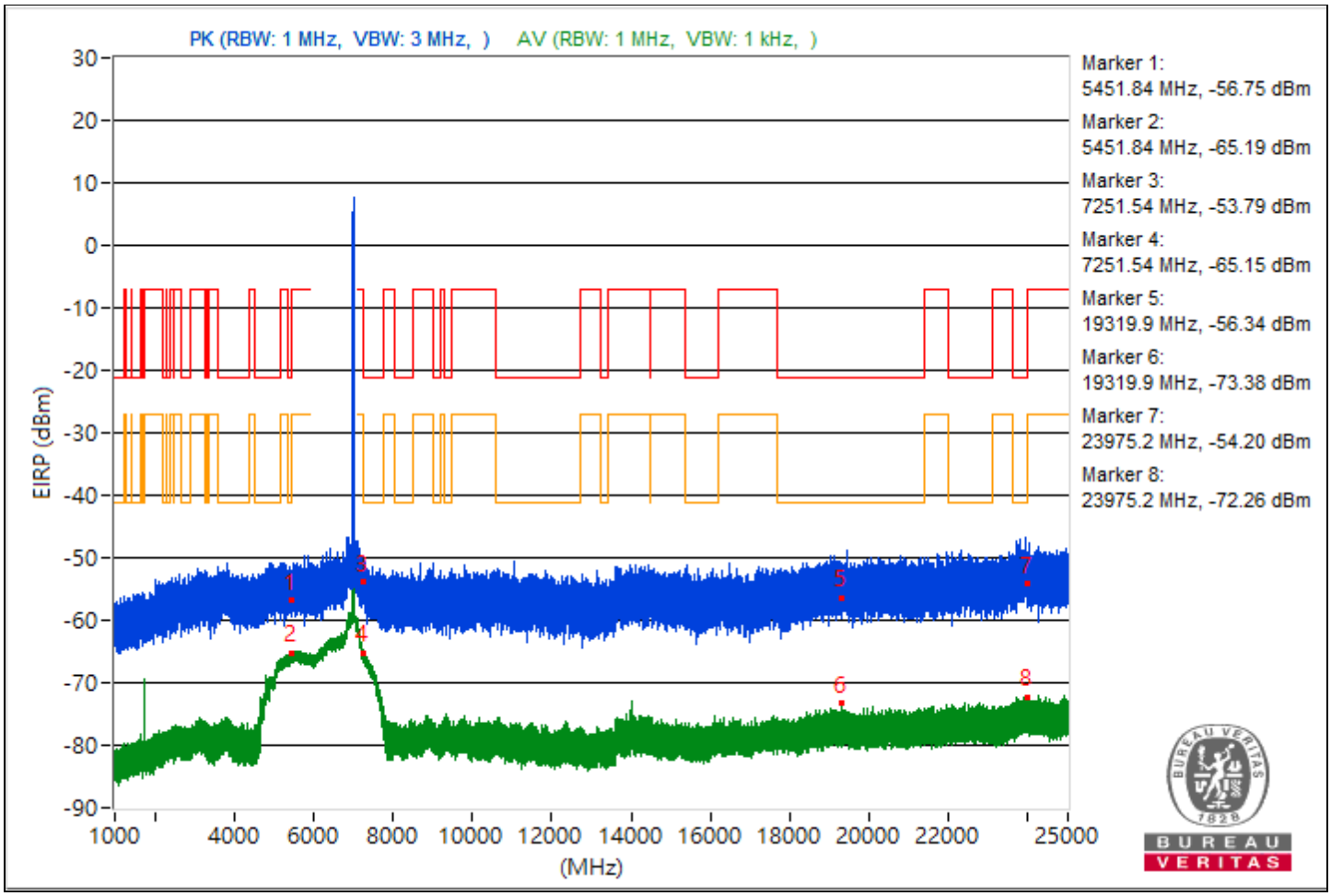


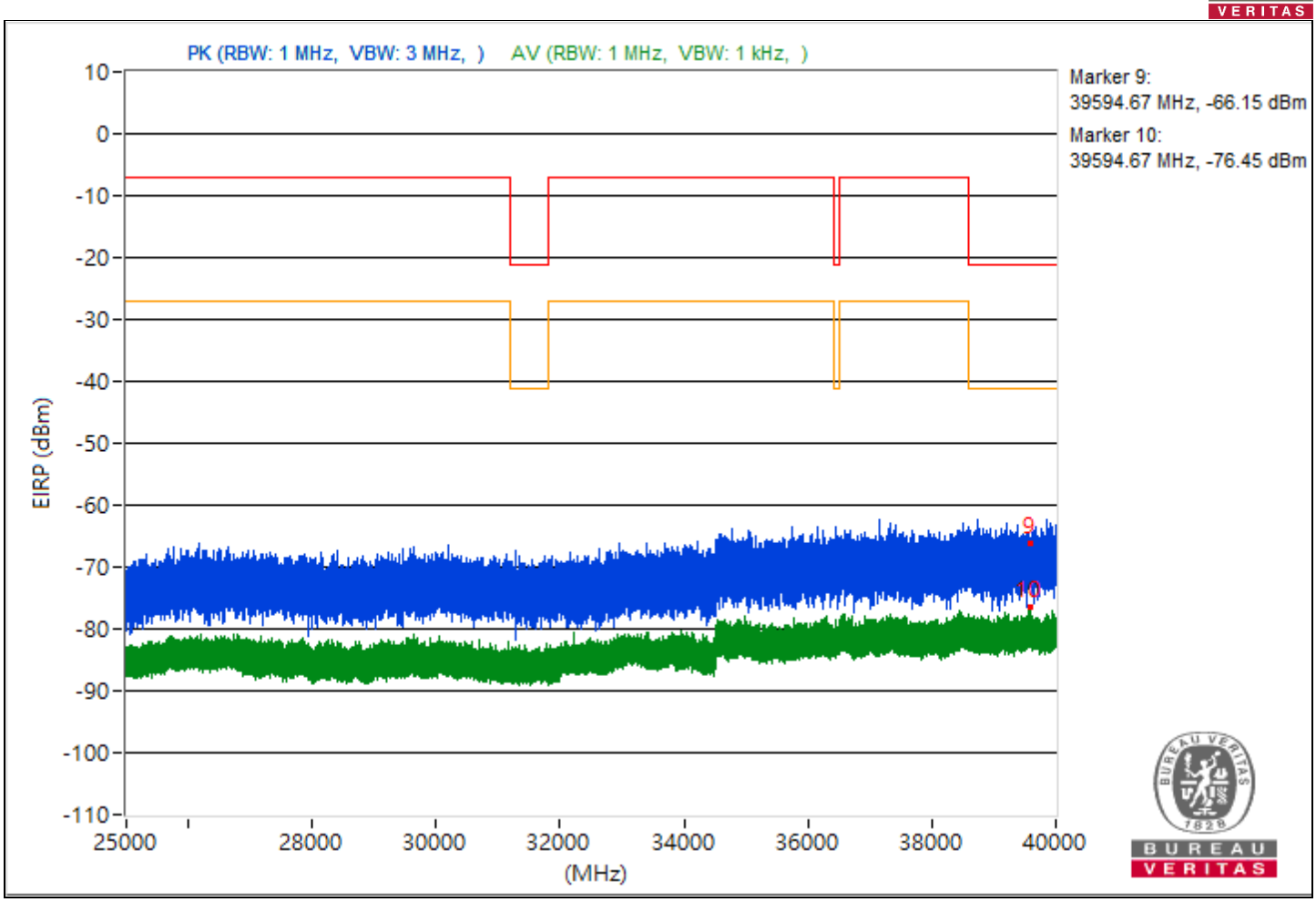

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39588.18 MHz, -68.06 dBm
Marker 10:
39588.18 MHz, -77.07 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE40) | Channel | CH 211：7005 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5451.84 | 38.51 PK | 74 | -35.49 | -61.91 | 5.16 | -56.75 |
| 2 | 5451.84 | 30.07 AV | 54 | -23.93 | -70.35 | 5.16 | -65.19 |
| 3 | 7251.54 | 41.47 PK | 74 | -32.53 | -58.95 | 5.16 | -53.79 |
| 4 | 7251.54 | 30.11 AV | 54 | -23.89 | -70.31 | 5.16 | -65.15 |
| 5 | 19319.9 | 38.92 PK | 74 | -35.08 | -61.5 | 5.16 | -56.34 |
| 6 | 19319.9 | 21.88 AV | 54 | -32.12 | -78.54 | 5.16 | -73.38 |
| 7 | 23975.2 | 41.06 PK | 74 | -32.94 | -59.36 | 5.16 | -54.2 |
| 8 | 23975.2 | 23 AV | 54 | -31 | -77.42 | 5.16 | -72.26 |
| 9 | 39594.67 | 29.11 PK | 74 | -44.89 | -71.31 | 5.16 | -66.15 |
| 10 | 39594.67 | 18.81 AV | 54 | -35.19 | -81.61 | 5.16 | -76.45 |

Note: Margin value = Emission Level - Limit value

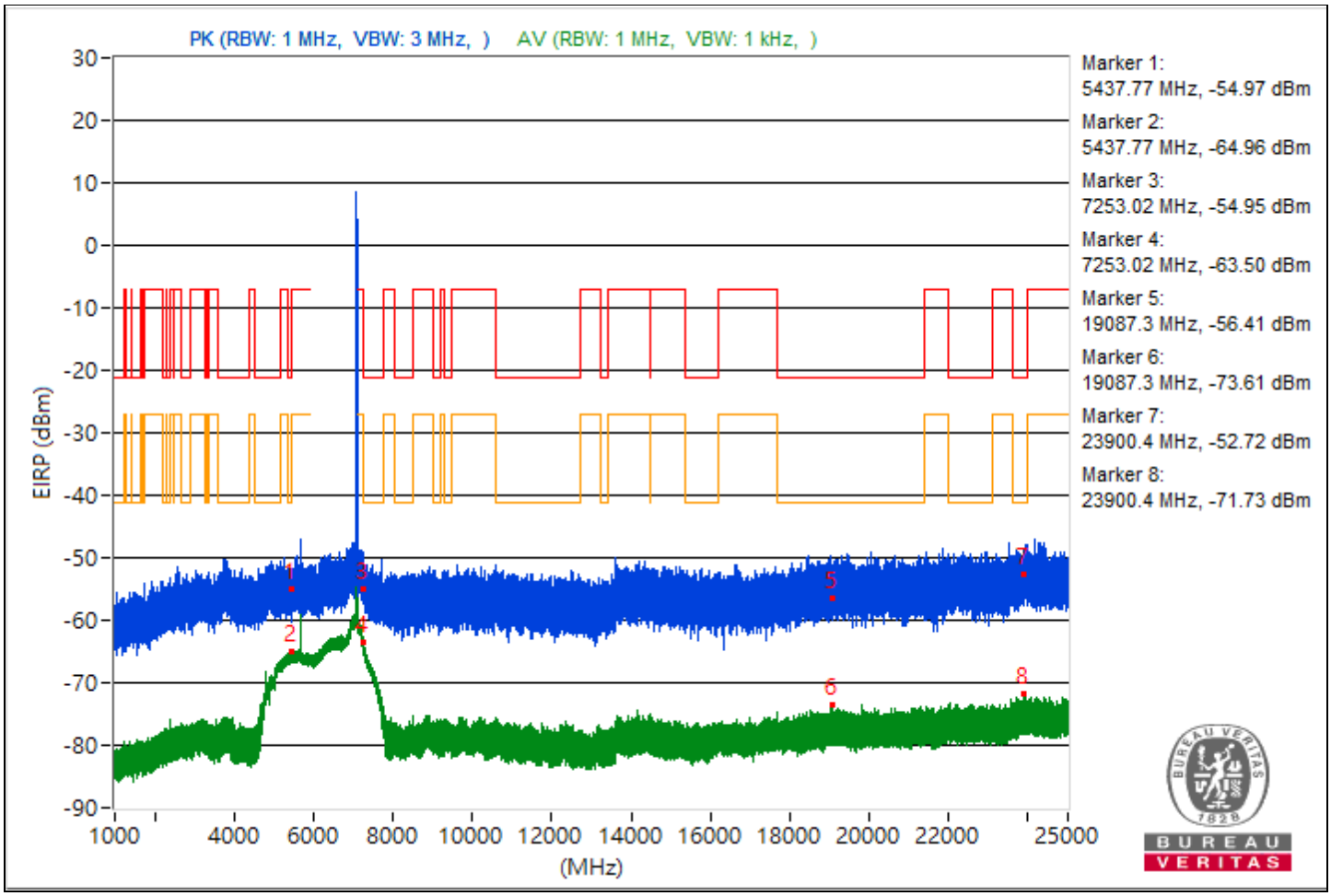


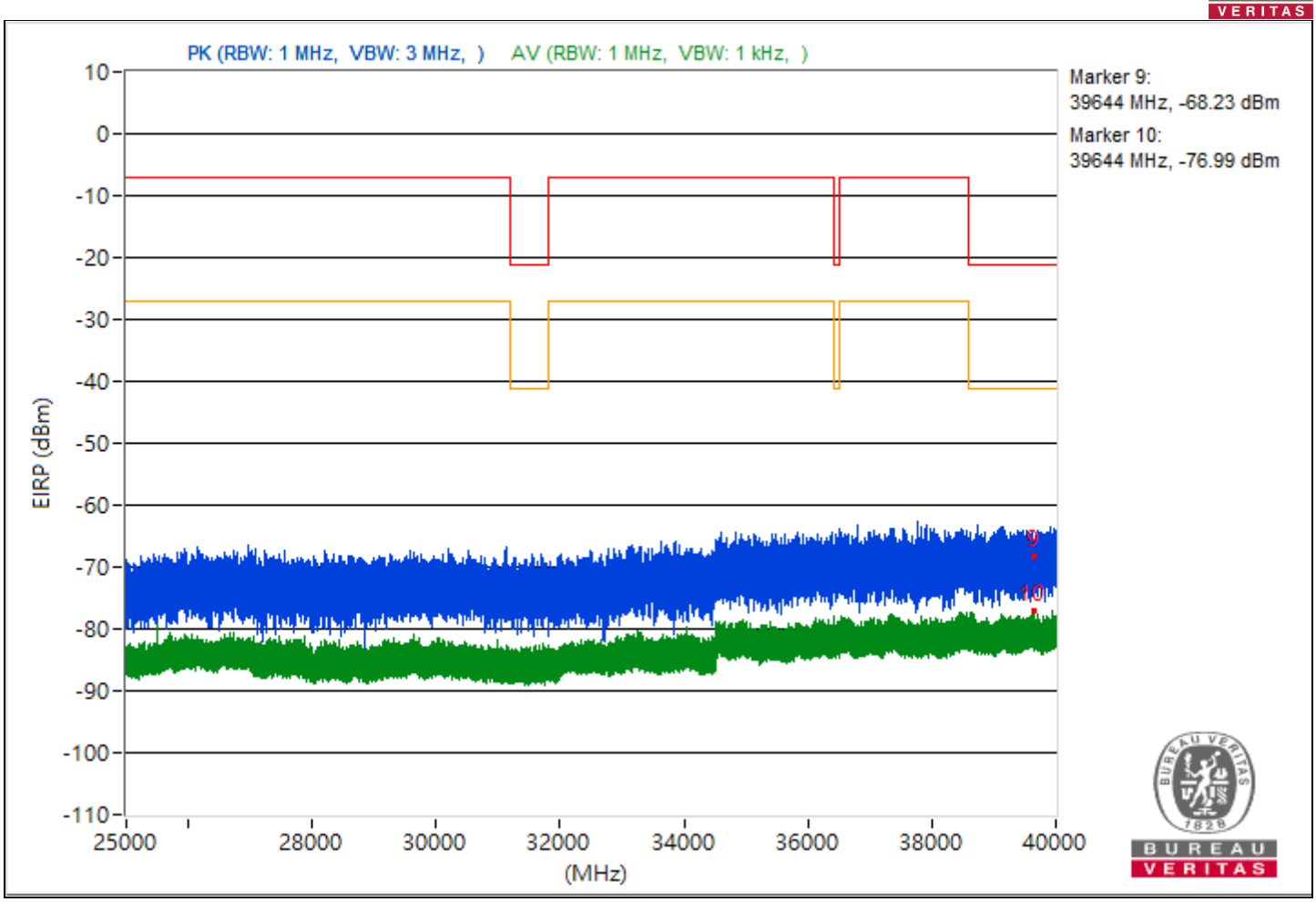

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39594.67 MHz, -66.15 dBm
Marker 10:
39594.67 MHz, -76.45 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE40) | Channel | CH 227：7085 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5437.77 | 40.29 PK | 74 | -33.71 | -60.13 | 5.16 | -54.97 |
| 2 | 5437.77 | 30.3 AV | 54 | -23.7 | -70.12 | 5.16 | -64.96 |
| 3 | 7253.02 | 40.31 PK | 74 | -33.69 | -60.11 | 5.16 | -54.95 |
| 4 | 7253.02 | 31.76 AV | 54 | -22.24 | -68.66 | 5.16 | -63.5 |
| 5 | 19087.3 | 38.85 PK | 74 | -35.15 | -61.57 | 5.16 | -56.41 |
| 6 | 19087.3 | 21.65 AV | 54 | -32.35 | -78.77 | 5.16 | -73.61 |
| 7 | 23900.4 | 42.54 PK | 74 | -31.46 | -57.88 | 5.16 | -52.72 |
| 8 | 23900.4 | 23.53 AV | 54 | -30.47 | -76.89 | 5.16 | -71.73 |
| 9 | 39644 | 27.03 PK | 74 | -46.97 | -73.39 | 5.16 | -68.23 |
| 10 | 39644 | 18.27 AV | 54 | -35.73 | -82.15 | 5.16 | -76.99 |

Note: Margin value = Emission Level - Limit value

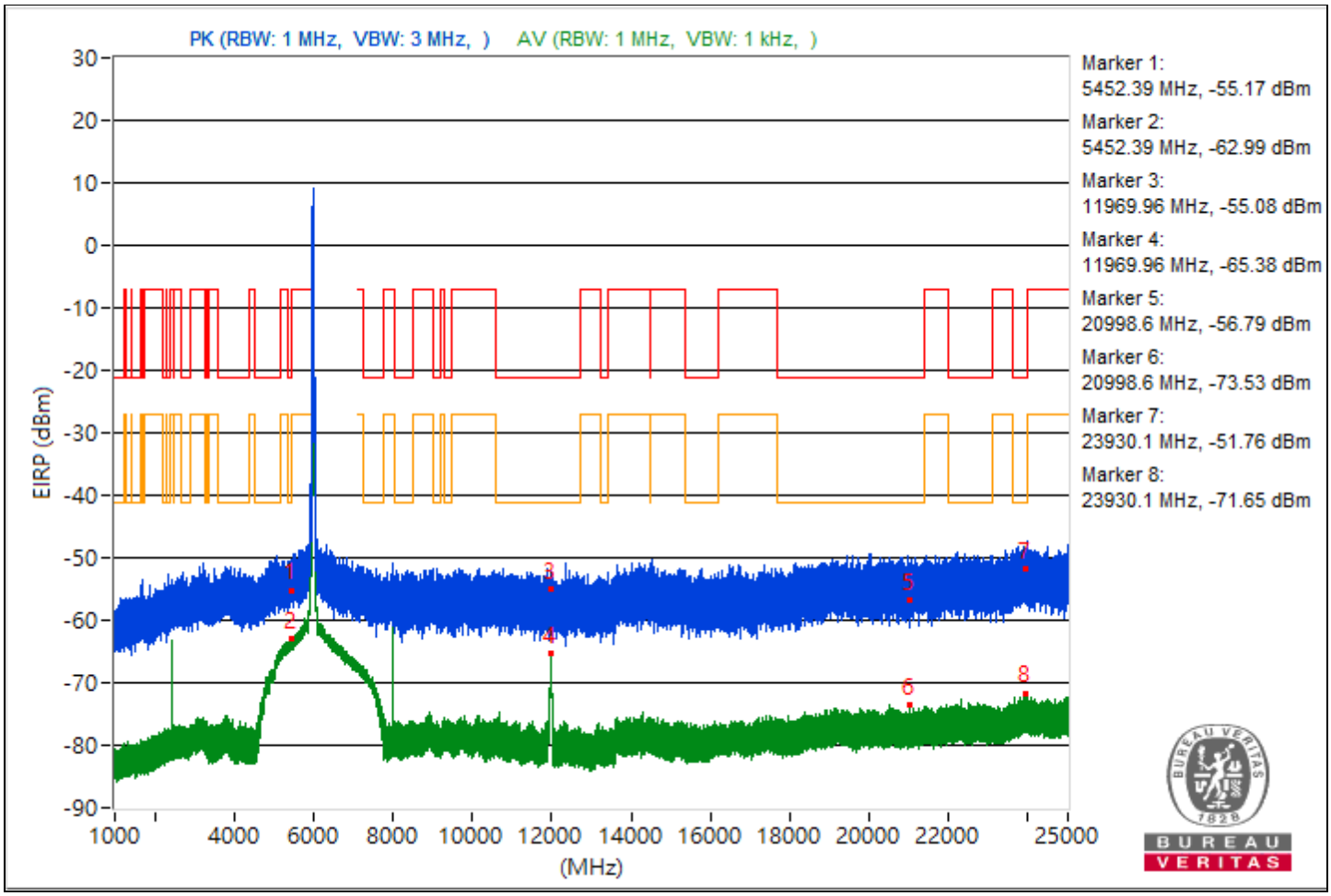


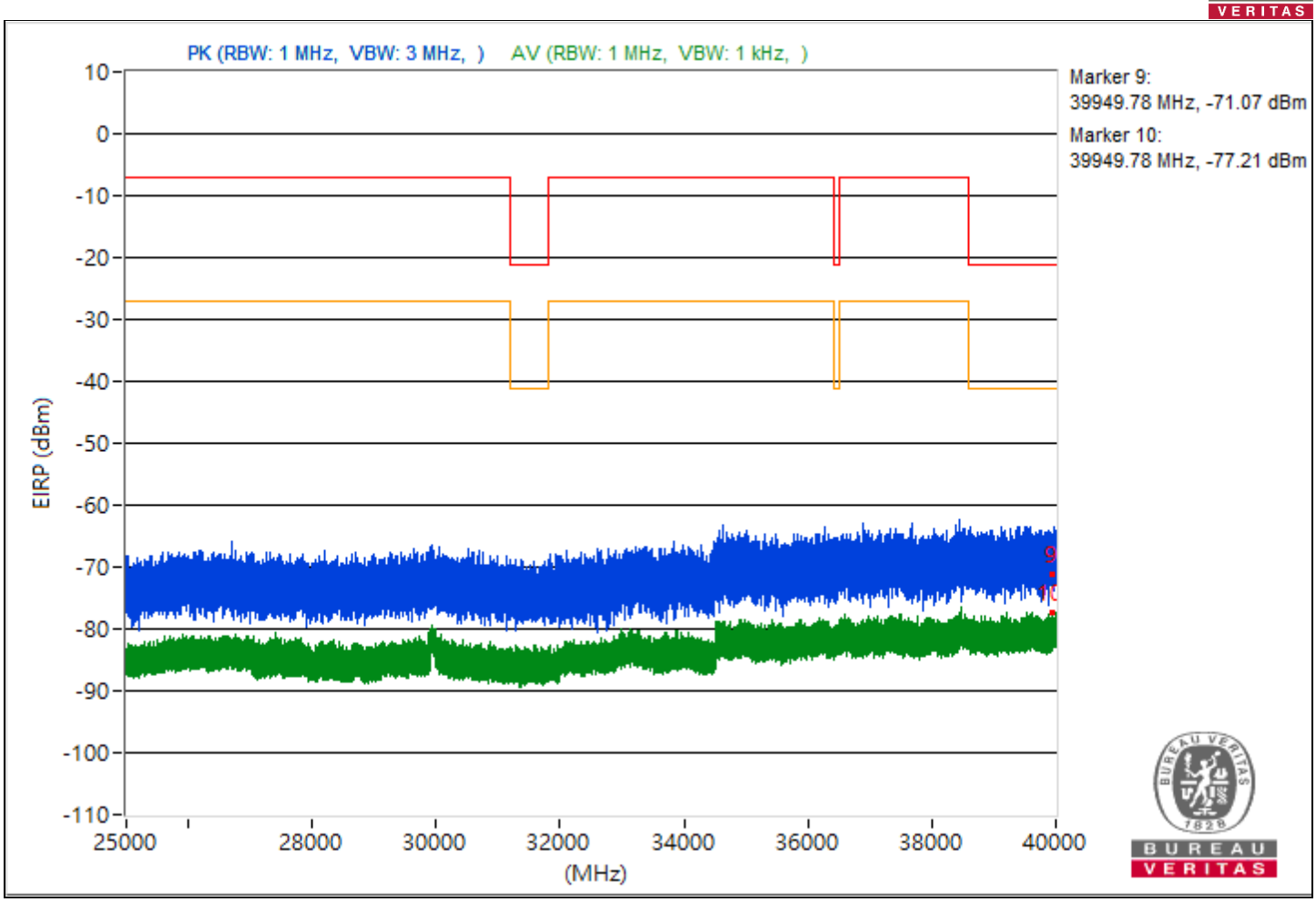

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39644 MHz, -68.23 dBm
Marker 10:
39644 MHz, -76.99 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| RF Mode | 802.11ax (HE80) | Channel | CH 7：5985 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5452.39 | 40.09 PK | 74 | -33.91 | -60.33 | 5.16 | -55.17 |
| 2 | 5452.39 | 32.27 AV | 54 | -21.73 | -68.15 | 5.16 | -62.99 |
| 3 | 11969.96 | 40.18 PK | 74 | -33.82 | -60.24 | 5.16 | -55.08 |
| 4 | 11969.96 | 29.88 AV | 54 | -24.12 | -70.54 | 5.16 | -65.38 |
| 5 | 20998.6 | 38.47 PK | 74 | -35.53 | -61.95 | 5.16 | -56.79 |
| 6 | 20998.6 | 21.73 AV | 54 | -32.27 | -78.69 | 5.16 | -73.53 |
| 7 | 23930.1 | 43.5 PK | 74 | -30.5 | -56.92 | 5.16 | -51.76 |
| 8 | 23930.1 | 23.61 AV | 54 | -30.39 | -76.81 | 5.16 | -71.65 |
| 9 | 39949.78 | 24.19 PK | 74 | -49.81 | -76.23 | 5.16 | -71.07 |
| 10 | 39949.78 | 18.05 AV | 54 | -35.95 | -82.37 | 5.16 | -77.21 |

Note: Margin value = Emission Level - Limit value

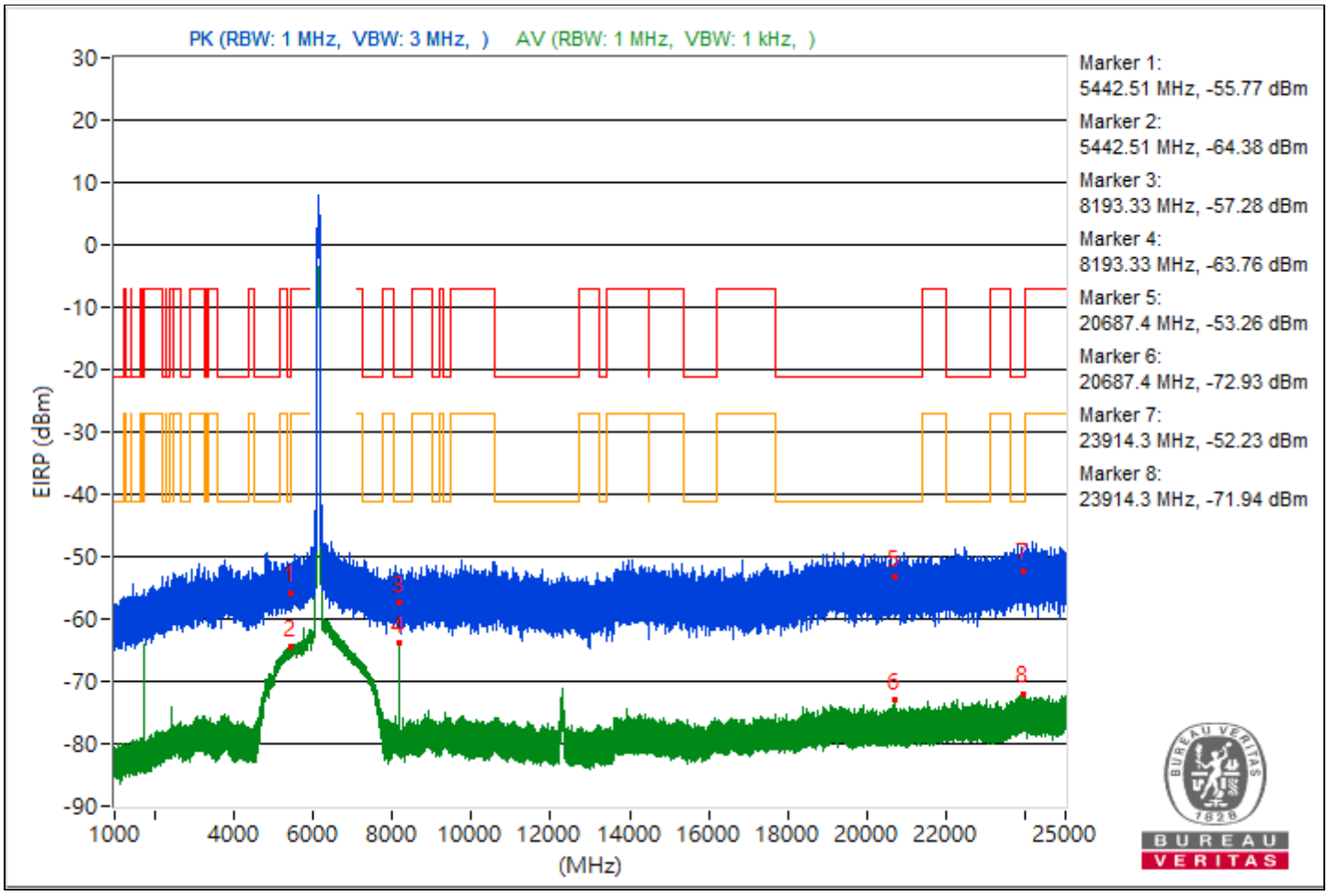


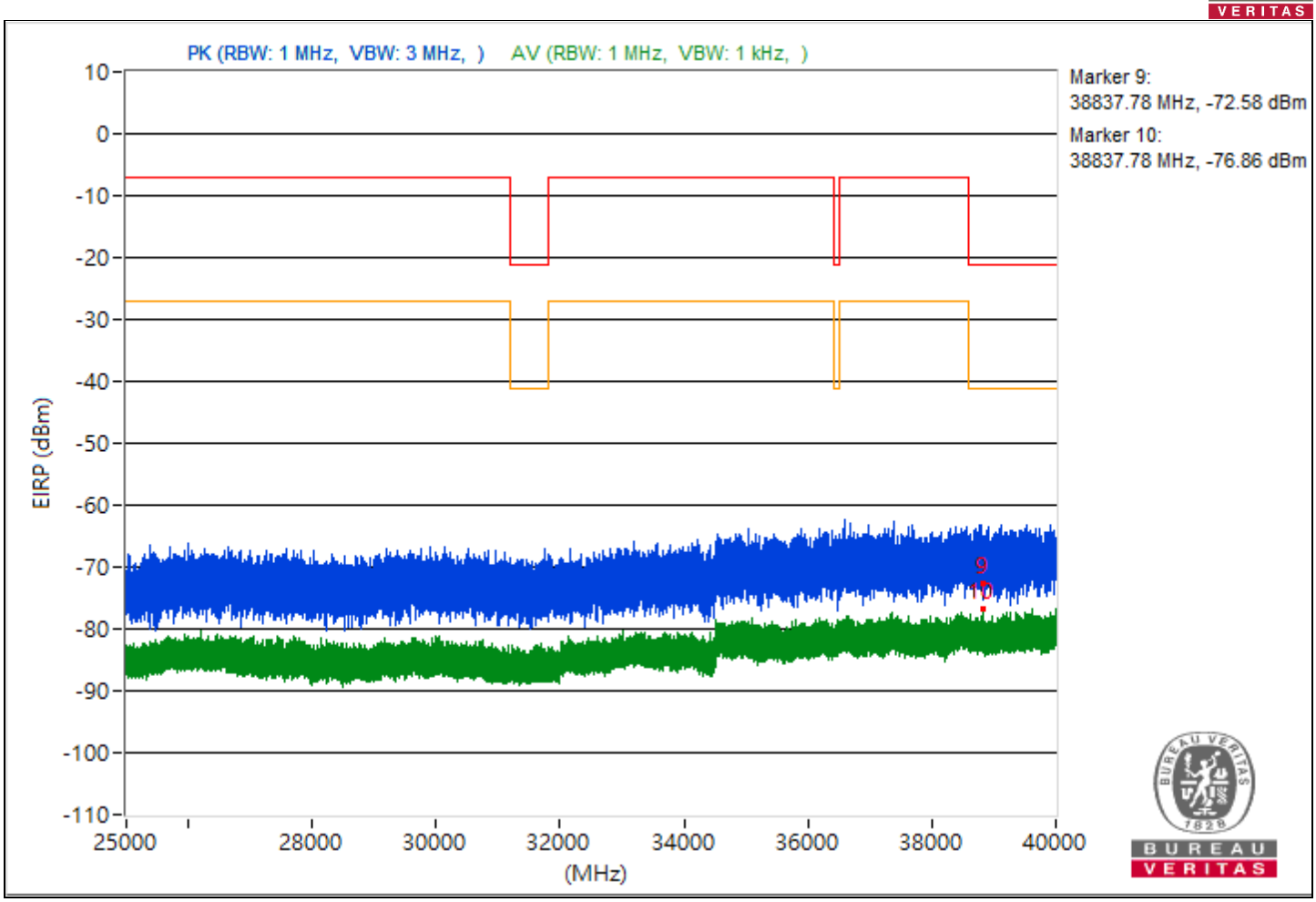

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39949.78 MHz, -71.07 dBm
Marker 10:
39949.78 MHz, -77.21 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE80) | Channel | CH 39：6145 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5442.51 | 39.49 PK | 74 | -34.51 | -60.93 | 5.16 | -55.77 |
| 2 | 5442.51 | 30.88 AV | 54 | -23.12 | -69.54 | 5.16 | -64.38 |
| 3 | 8193.33 | 37.98 PK | 74 | -36.02 | -62.44 | 5.16 | -57.28 |
| 4 | 8193.33 | 31.5 AV | 54 | -22.5 | -68.92 | 5.16 | -63.76 |
| 5 | 20687.4 | 42 PK | 74 | -32 | -58.42 | 5.16 | -53.26 |
| 6 | 20687.4 | 22.33 AV | 54 | -31.67 | -78.09 | 5.16 | -72.93 |
| 7 | 23914.3 | 43.03 PK | 74 | -30.97 | -57.39 | 5.16 | -52.23 |
| 8 | 23914.3 | 23.32 AV | 54 | -30.68 | -77.1 | 5.16 | -71.94 |
| 9 | 38837.78 | 22.68 PK | 74 | -51.32 | -77.74 | 5.16 | -72.58 |
| 10 | 38837.78 | 18.4 AV | 54 | -35.6 | -82.02 | 5.16 | -76.86 |

Note: Margin value = Emission Level - Limit value

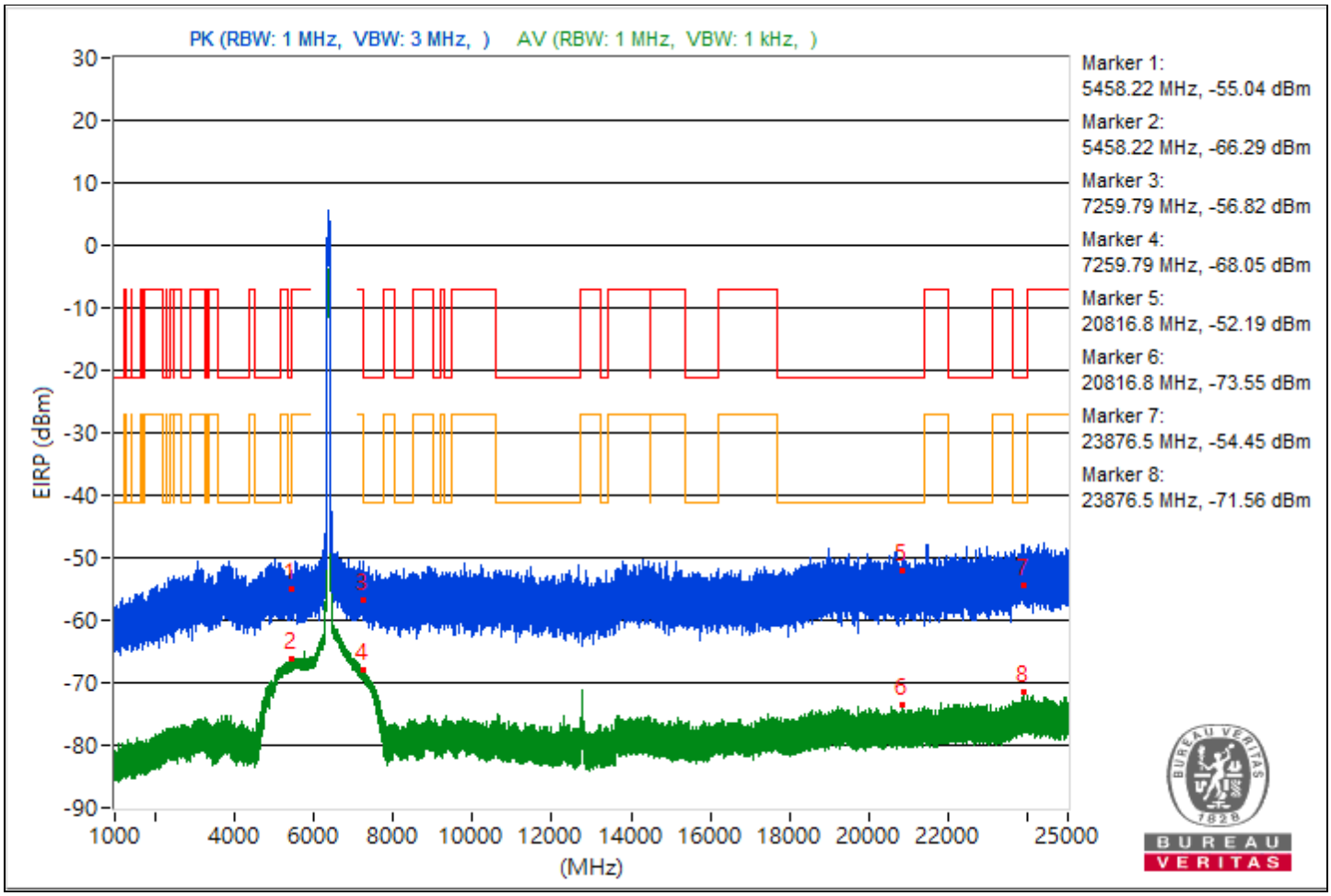


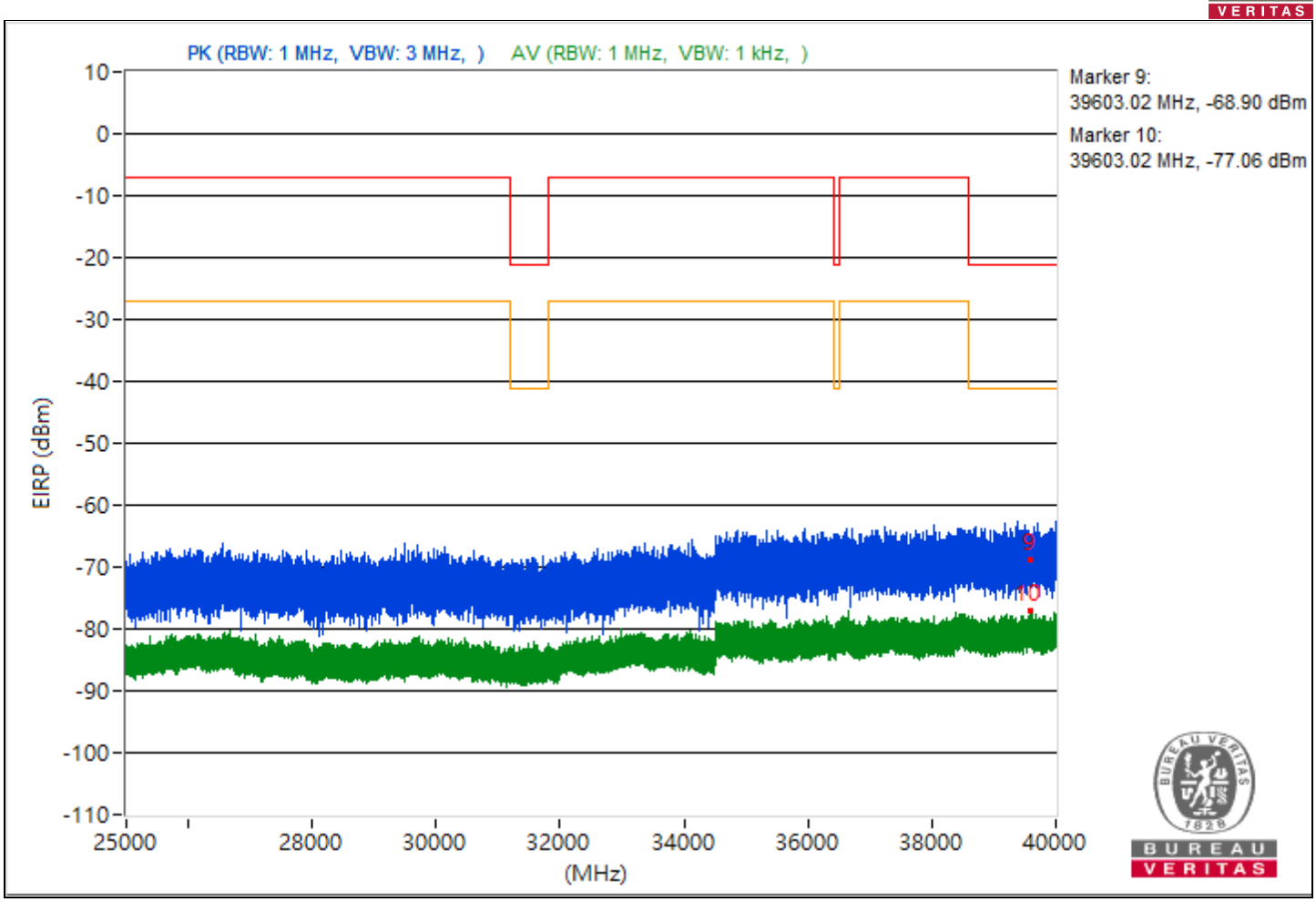

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
38837.78 MHz, -72.58 dBm
Marker 10:
38837.78 MHz, -76.86 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE80) | Channel | CH 87：6385 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5458.22 | 40.22 PK | 74 | -33.78 | -60.2 | 5.16 | -55.04 |
| 2 | 5458.22 | 28.97 AV | 54 | -25.03 | -71.45 | 5.16 | -66.29 |
| 3 | 7259.79 | 38.44 PK | 74 | -35.56 | -61.98 | 5.16 | -56.82 |
| 4 | 7259.79 | 27.21 AV | 54 | -26.79 | -73.21 | 5.16 | -68.05 |
| 5 | 20816.8 | 43.07 PK | 74 | -30.93 | -57.35 | 5.16 | -52.19 |
| 6 | 20816.8 | 21.71 AV | 54 | -32.29 | -78.71 | 5.16 | -73.55 |
| 7 | 23876.5 | 40.81 PK | 74 | -33.19 | -59.61 | 5.16 | -54.45 |
| 8 | 23876.5 | 23.7 AV | 54 | -30.3 | -76.72 | 5.16 | -71.56 |
| 9 | 39603.02 | 26.36 PK | 74 | -47.64 | -74.06 | 5.16 | -68.9 |
| 10 | 39603.02 | 18.2 AV | 54 | -35.8 | -82.22 | 5.16 | -77.06 |

Note: Margin value = Emission Level - Limit value

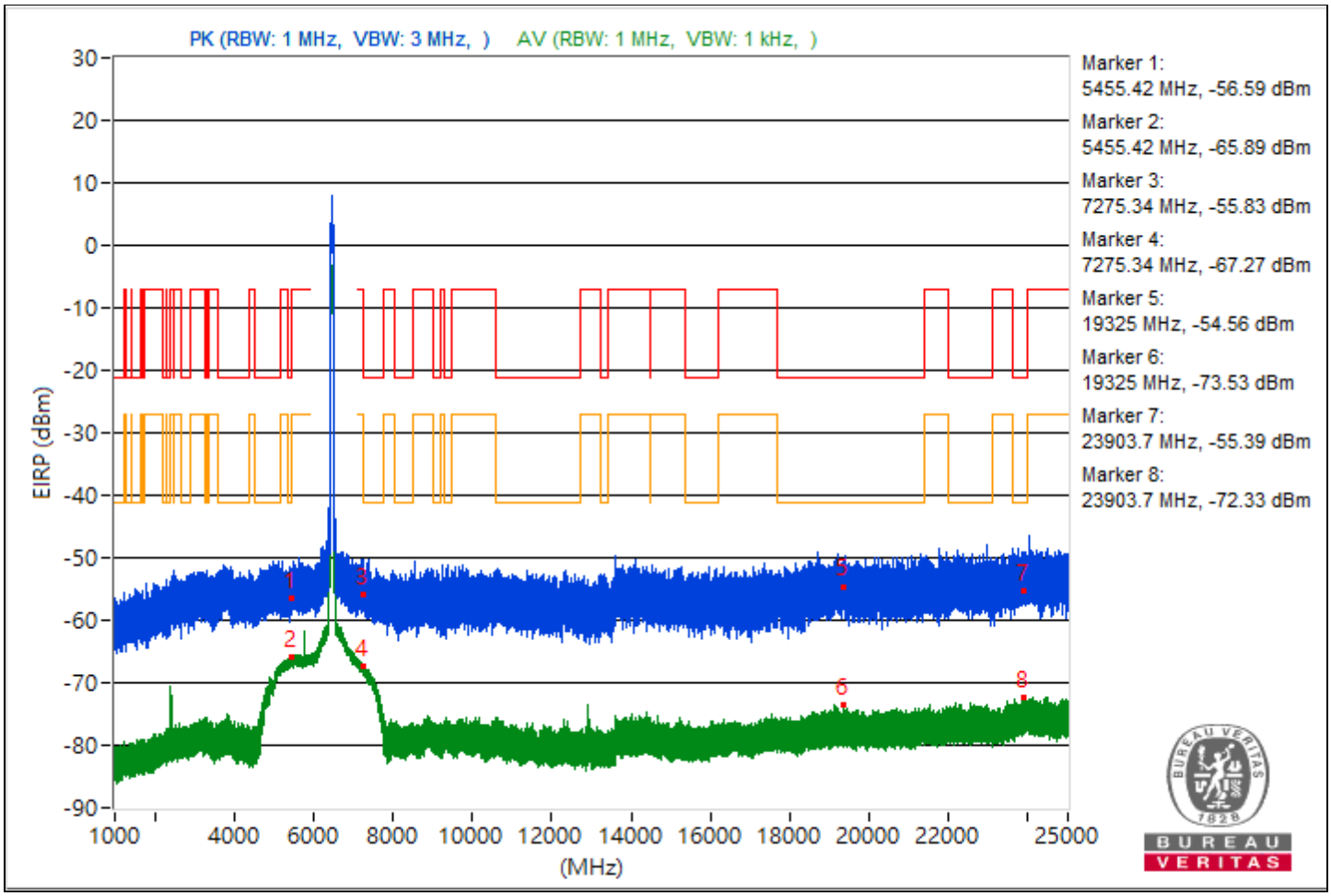


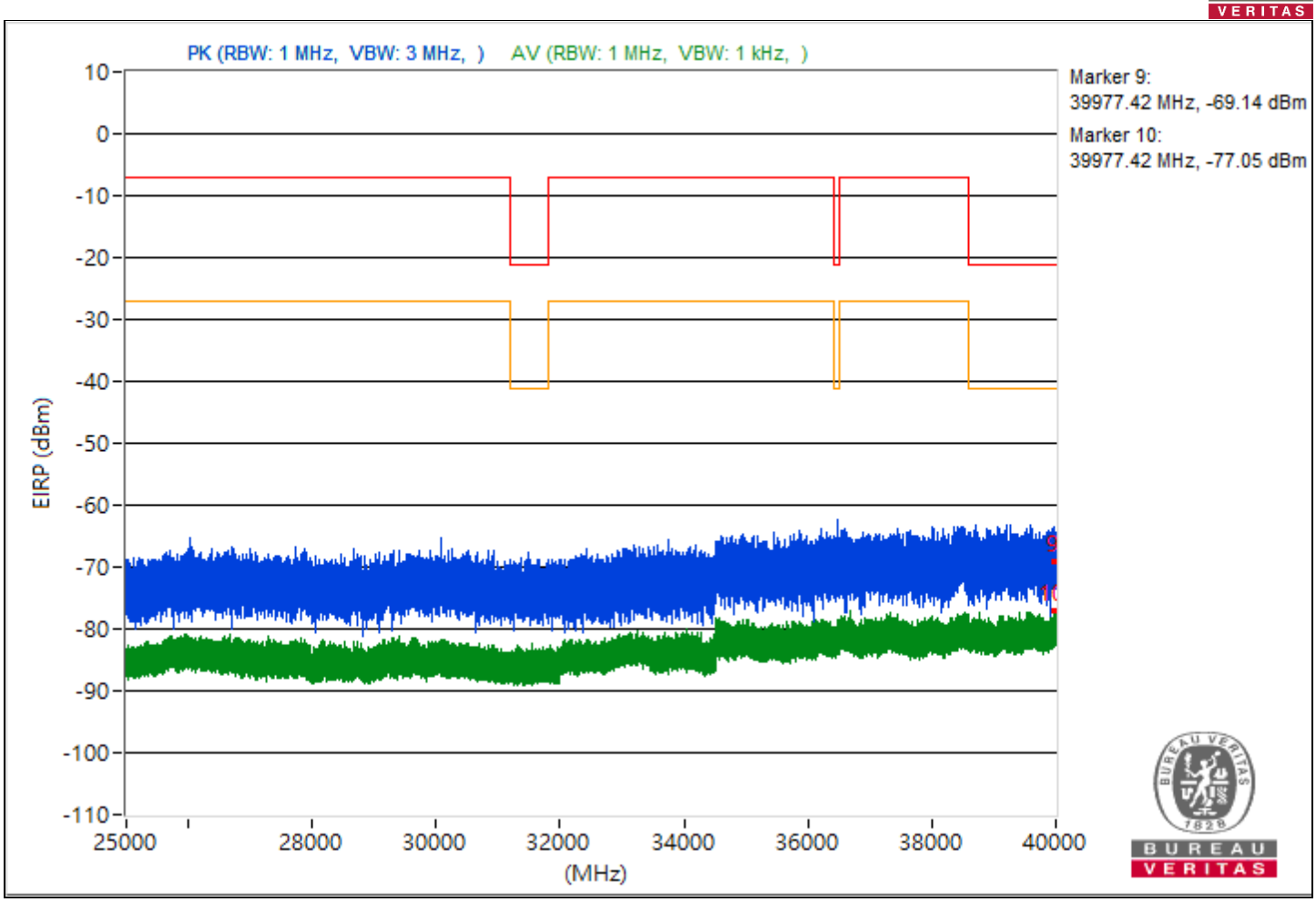

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39603.02 MHz, -68.90 dBm
Marker 10:
39603.02 MHz, -77.06 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE80) | Channel | CH 103：6465 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5455.42 | 38.67 PK | 74 | -35.33 | -61.75 | 5.16 | -56.59 |
| 2 | 5455.42 | 29.37 AV | 54 | -24.63 | -71.05 | 5.16 | -65.89 |
| 3 | 7275.34 | 39.43 PK | 74 | -34.57 | -60.99 | 5.16 | -55.83 |
| 4 | 7275.34 | 27.99 AV | 54 | -26.01 | -72.43 | 5.16 | -67.27 |
| 5 | 19325 | 40.7 PK | 74 | -33.3 | -59.72 | 5.16 | -54.56 |
| 6 | 19325 | 21.73 AV | 54 | -32.27 | -78.69 | 5.16 | -73.53 |
| 7 | 23903.7 | 39.87 PK | 74 | -34.13 | -60.55 | 5.16 | -55.39 |
| 8 | 23903.7 | 22.93 AV | 54 | -31.07 | -77.49 | 5.16 | -72.33 |
| 9 | 39977.42 | 26.12 PK | 74 | -47.88 | -74.3 | 5.16 | -69.14 |
| 10 | 39977.42 | 18.21 AV | 54 | -35.79 | -82.21 | 5.16 | -77.05 |

Note: Margin value = Emission Level - Limit value

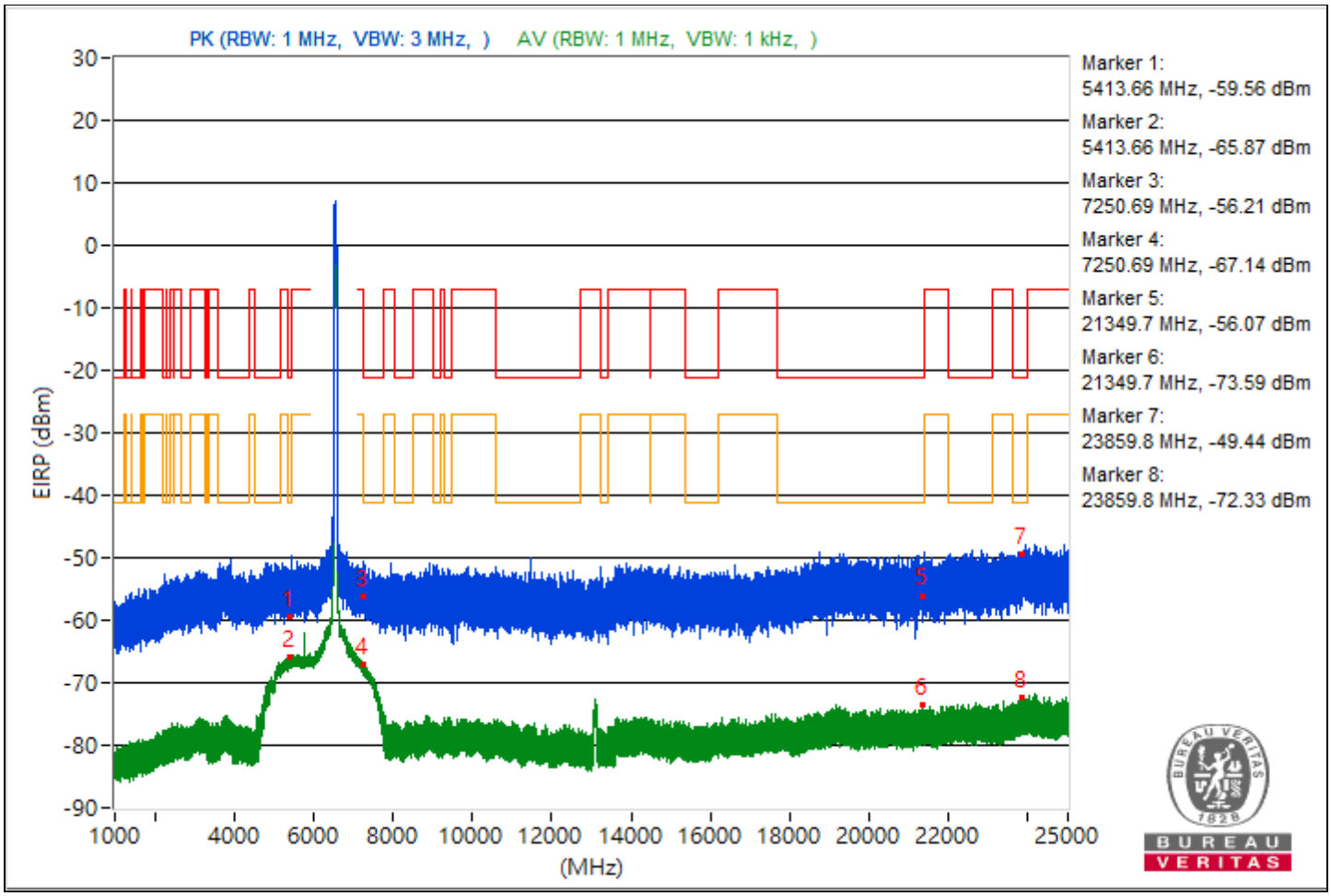


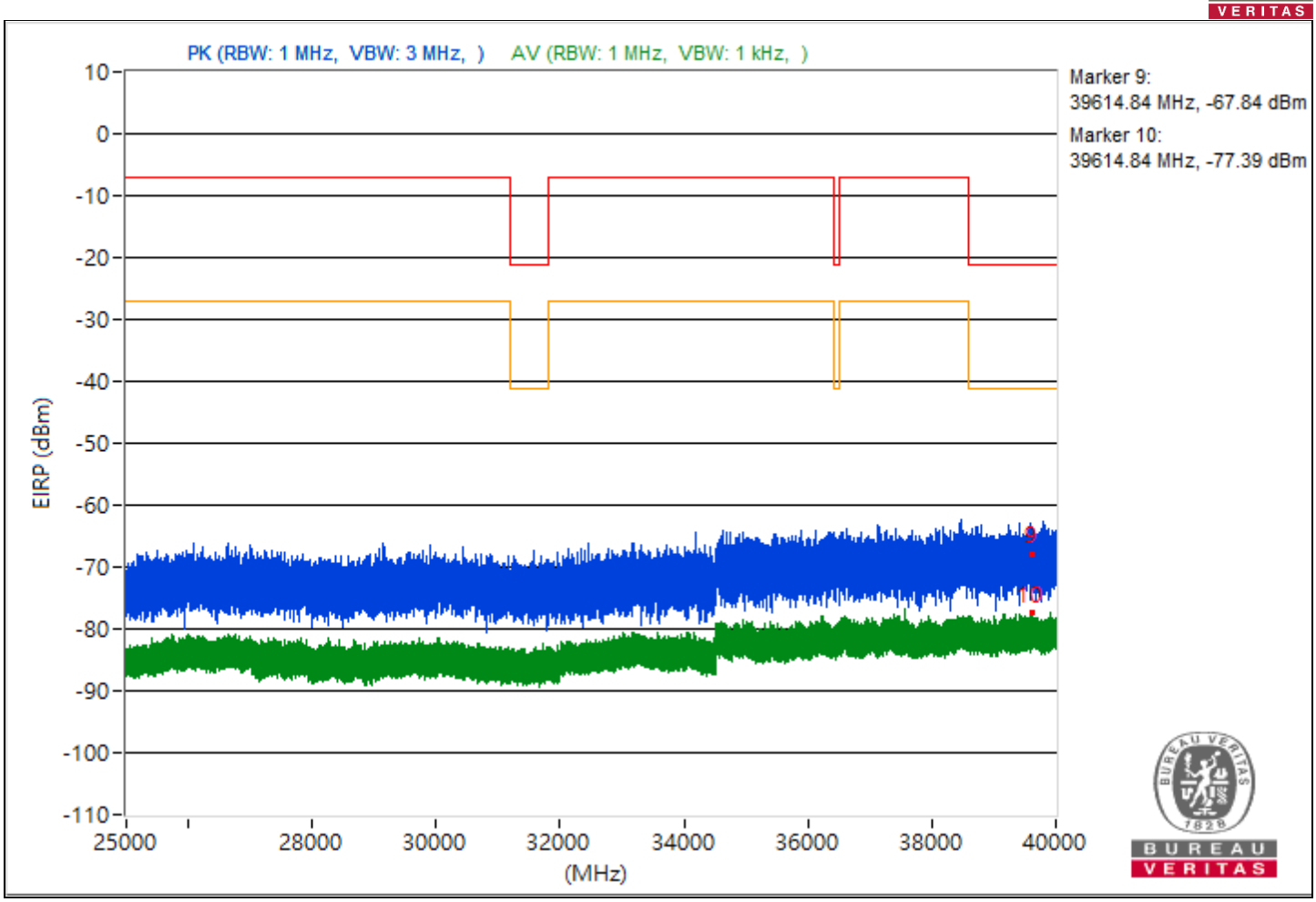

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39977.42 MHz, -69.14 dBm
Marker 10:
39977.42 MHz, -77.05 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE80) | Channel | CH 119：6545 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5413.66 | 35.7 PK | 74 | -38.3 | -64.72 | 5.16 | -59.56 |
| 2 | 5413.66 | 29.39 AV | 54 | -24.61 | -71.03 | 5.16 | -65.87 |
| 3 | 7250.69 | 39.05 PK | 74 | -34.95 | -61.37 | 5.16 | -56.21 |
| 4 | 7250.69 | 28.12 AV | 54 | -25.88 | -72.3 | 5.16 | -67.14 |
| 5 | 21349.7 | 39.19 PK | 74 | -34.81 | -61.23 | 5.16 | -56.07 |
| 6 | 21349.7 | 21.67 AV | 54 | -32.33 | -78.75 | 5.16 | -73.59 |
| 7 | 23859.8 | 45.82 PK | 74 | -28.18 | -54.6 | 5.16 | -49.44 |
| 8 | 23859.8 | 22.93 AV | 54 | -31.07 | -77.49 | 5.16 | -72.33 |
| 9 | 39614.84 | 27.42 PK | 74 | -46.58 | -73 | 5.16 | -67.84 |
| 10 | 39614.84 | 17.87 AV | 54 | -36.13 | -82.55 | 5.16 | -77.39 |

Note: Margin value = Emission Level - Limit value

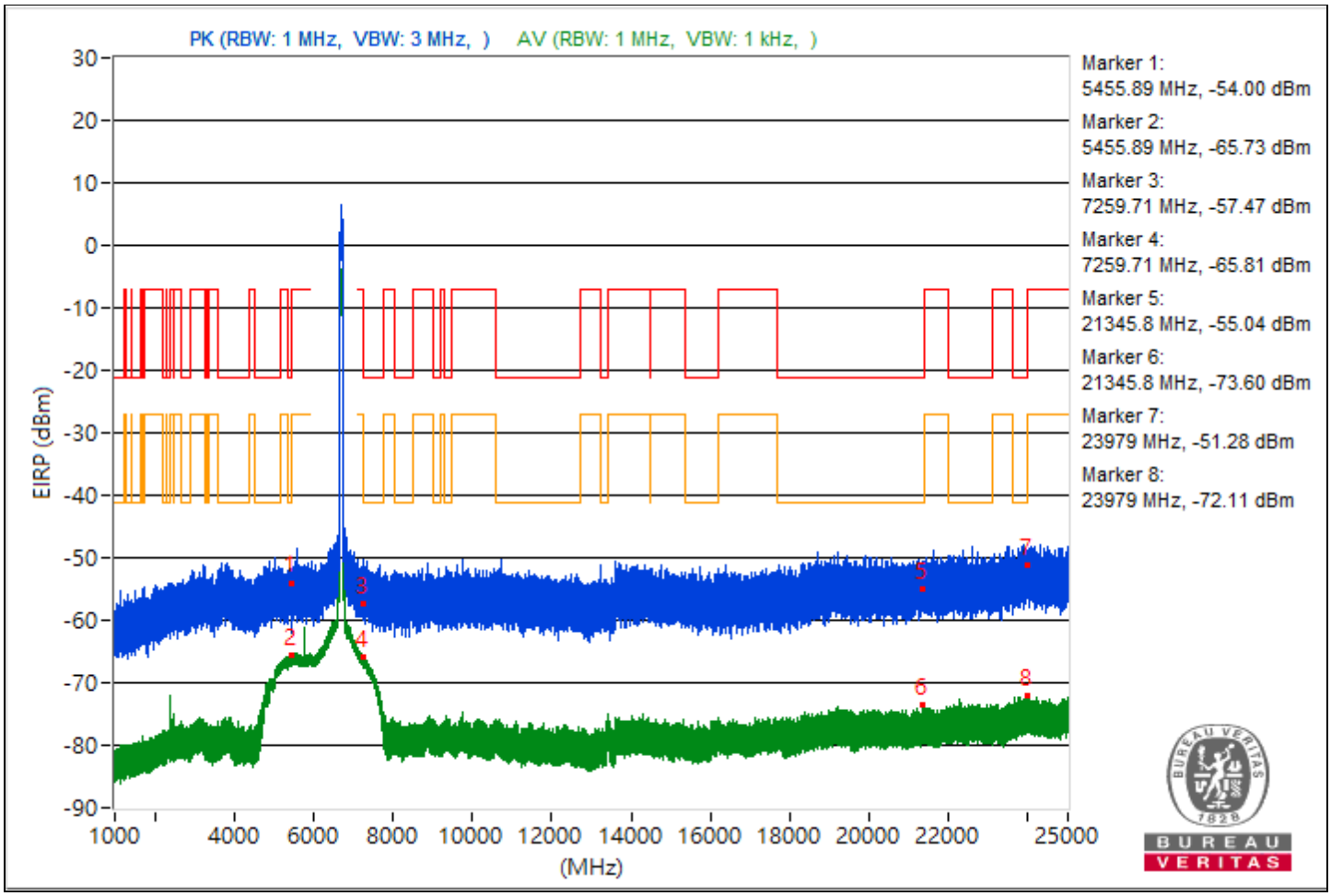


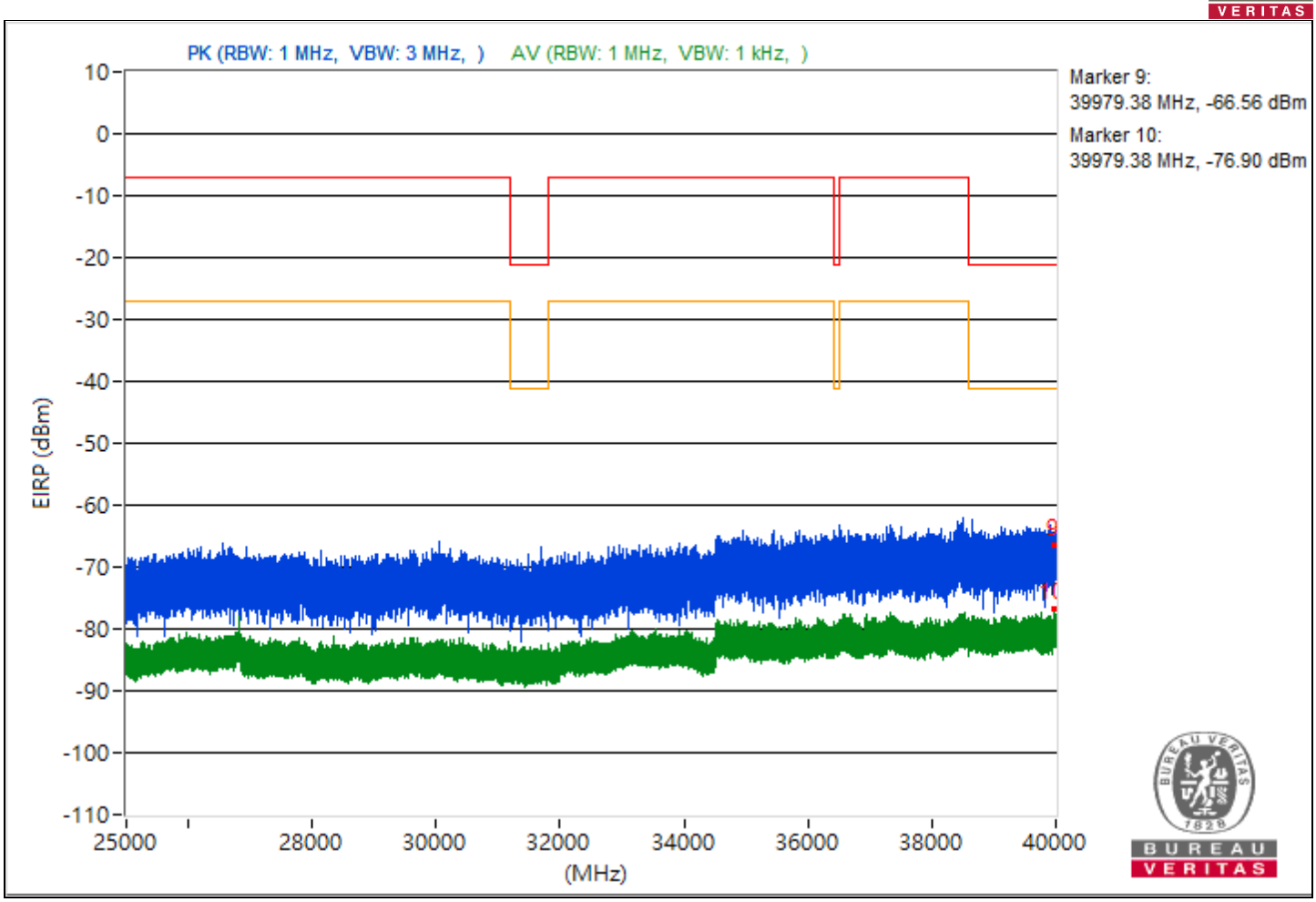

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39614.84 MHz, -67.84 dBm
Marker 10:
39614.84 MHz, -77.39 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE80) | Channel | CH 151：6705 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5455.89 | 41.26 PK | 74 | -32.74 | -59.16 | 5.16 | -54 |
| 2 | 5455.89 | 29.53 AV | 54 | -24.47 | -70.89 | 5.16 | -65.73 |
| 3 | 7259.71 | 37.79 PK | 74 | -36.21 | -62.63 | 5.16 | -57.47 |
| 4 | 7259.71 | 29.45 AV | 54 | -24.55 | -70.97 | 5.16 | -65.81 |
| 5 | 21345.8 | 40.22 PK | 74 | -33.78 | -60.2 | 5.16 | -55.04 |
| 6 | 21345.8 | 21.66 AV | 54 | -32.34 | -78.76 | 5.16 | -73.6 |
| 7 | 23979 | 43.98 PK | 74 | -30.02 | -56.44 | 5.16 | -51.28 |
| 8 | 23979 | 23.15 AV | 54 | -30.85 | -77.27 | 5.16 | -72.11 |
| 9 | 39979.38 | 28.7 PK | 74 | -45.3 | -71.72 | 5.16 | -66.56 |
| 10 | 39979.38 | 18.36 AV | 54 | -35.64 | -82.06 | 5.16 | -76.9 |

Note: Margin value = Emission Level - Limit value

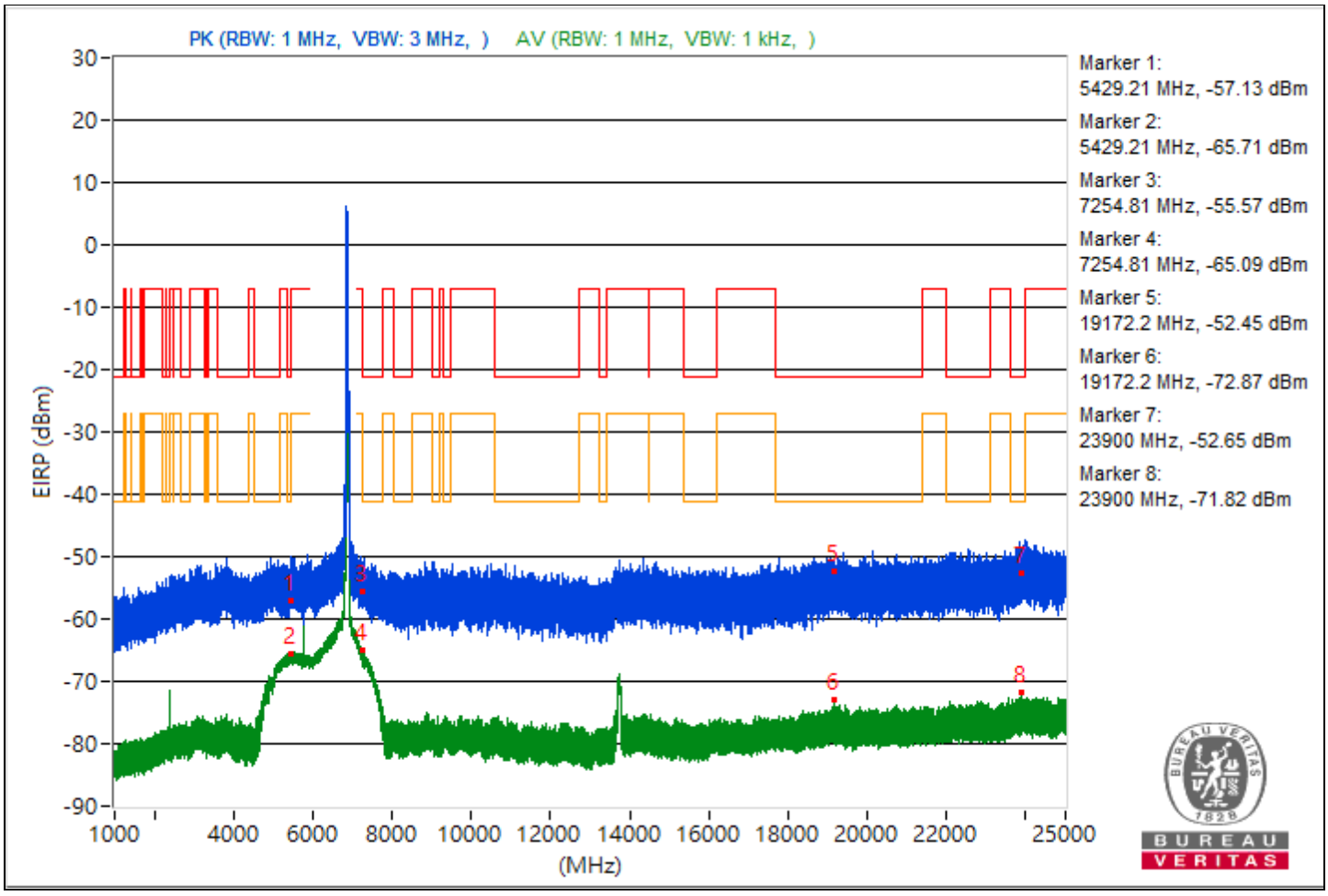


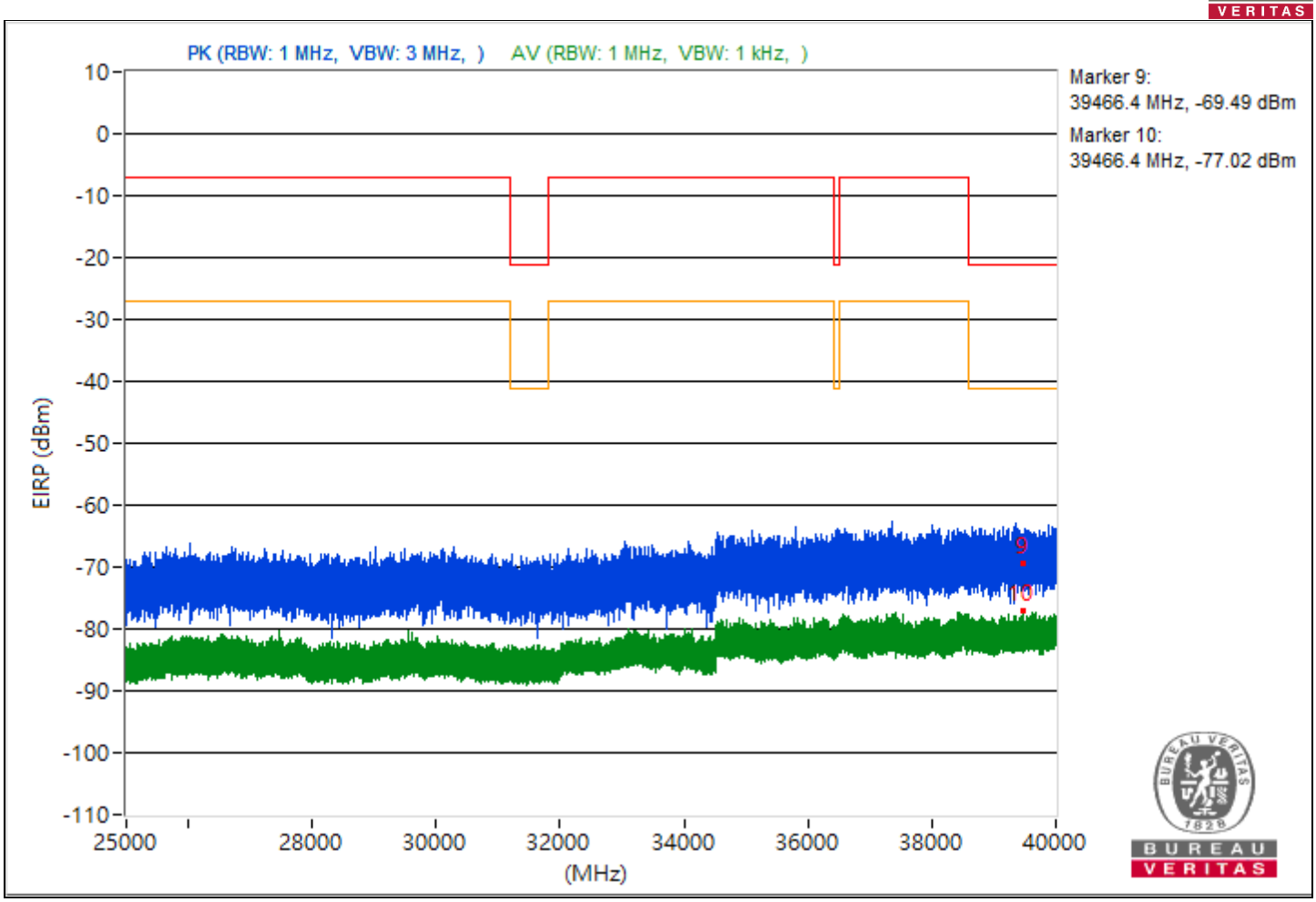

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39979.38 MHz, -66.56 dBm
Marker 10:
39979.38 MHz, -76.90 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE80) | Channel | CH 183：6865 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5429.21 | 38.13 PK | 74 | -35.87 | -62.29 | 5.16 | -57.13 |
| 2 | 5429.21 | 29.55 AV | 54 | -24.45 | -70.87 | 5.16 | -65.71 |
| 3 | 7254.81 | 39.69 PK | 74 | -34.31 | -60.73 | 5.16 | -55.57 |
| 4 | 7254.81 | 30.17 AV | 54 | -23.83 | -70.25 | 5.16 | -65.09 |
| 5 | 19172.2 | 42.81 PK | 74 | -31.19 | -57.61 | 5.16 | -52.45 |
| 6 | 19172.2 | 22.39 AV | 54 | -31.61 | -78.03 | 5.16 | -72.87 |
| 7 | 23900 | 42.61 PK | 74 | -31.39 | -57.81 | 5.16 | -52.65 |
| 8 | 23900 | 23.44 AV | 54 | -30.56 | -76.98 | 5.16 | -71.82 |
| 9 | 39466.4 | 25.77 PK | 74 | -48.23 | -74.65 | 5.16 | -69.49 |
| 10 | 39466.4 | 18.24 AV | 54 | -35.76 | -82.18 | 5.16 | -77.02 |

Note: Margin value = Emission Level - Limit value

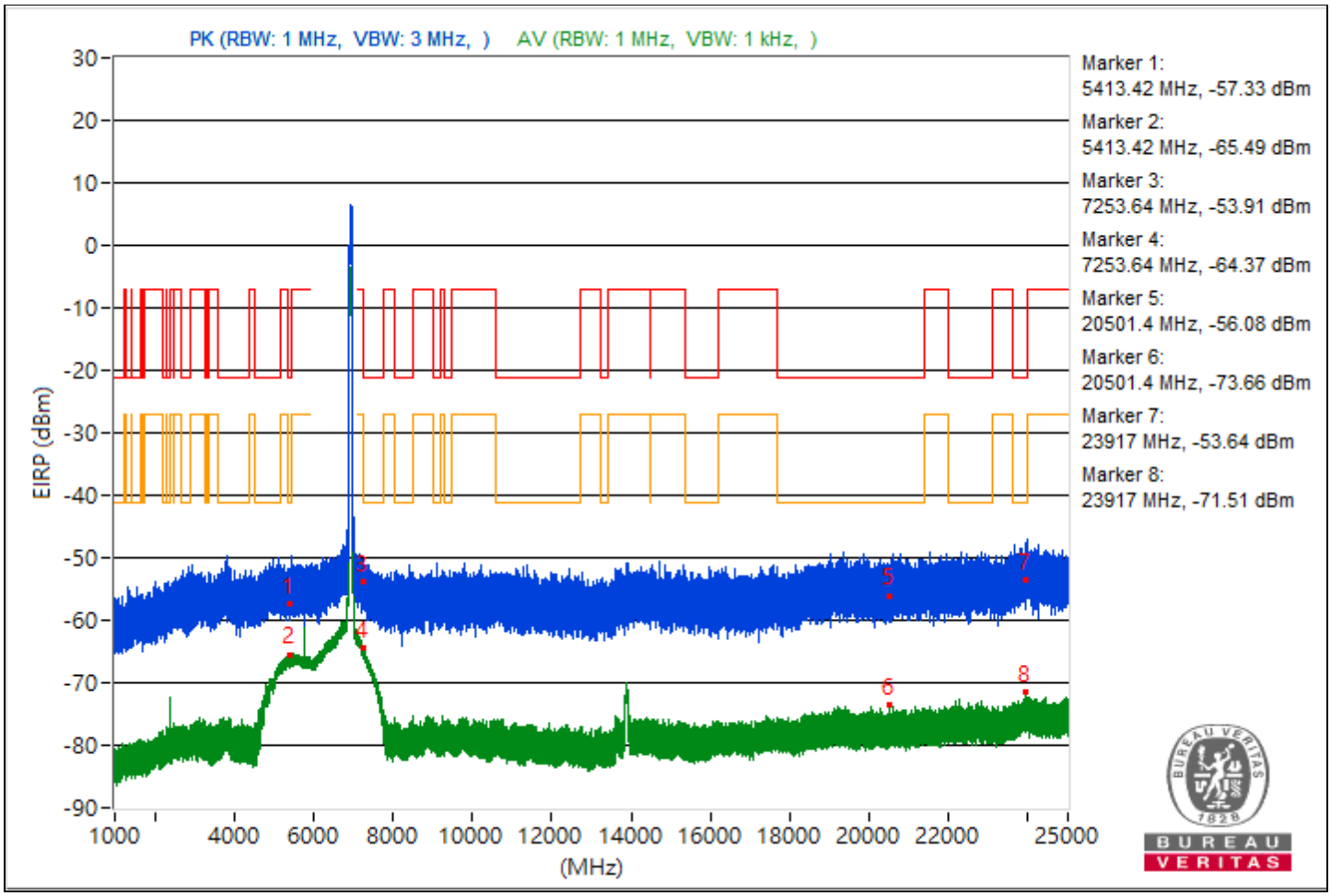


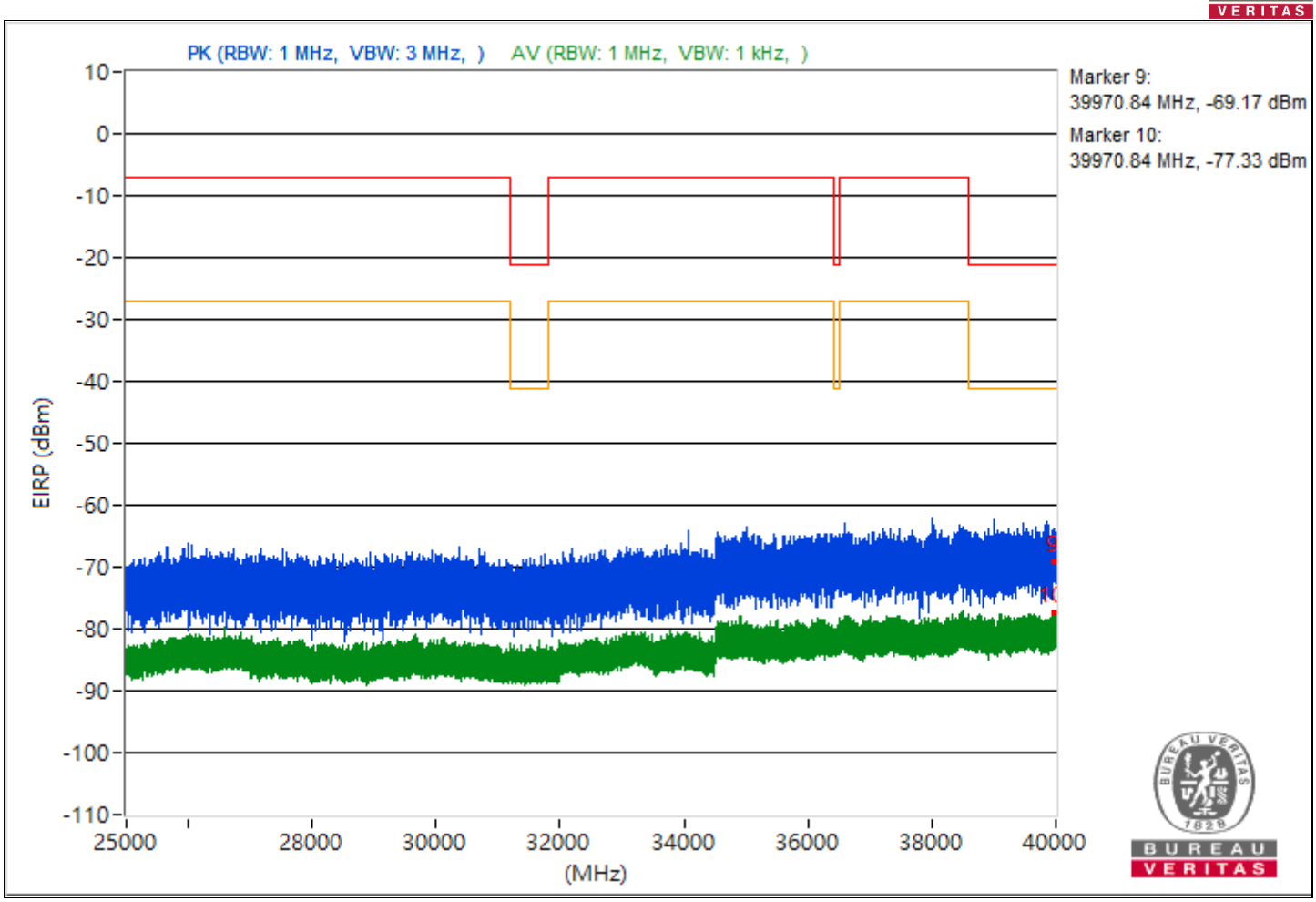

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39466.4 MHz, -69.49 dBm
Marker 10:
39466.4 MHz, -77.02 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE80) | Channel | CH 199：6945 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5413.42 | 37.93 PK | 74 | -36.07 | -62.49 | 5.16 | -57.33 |
| 2 | 5413.42 | 29.77 AV | 54 | -24.23 | -70.65 | 5.16 | -65.49 |
| 3 | 7253.64 | 41.35 PK | 74 | -32.65 | -59.07 | 5.16 | -53.91 |
| 4 | 7253.64 | 30.89 AV | 54 | -23.11 | -69.53 | 5.16 | -64.37 |
| 5 | 20501.4 | 39.18 PK | 74 | -34.82 | -61.24 | 5.16 | -56.08 |
| 6 | 20501.4 | 21.6 AV | 54 | -32.4 | -78.82 | 5.16 | -73.66 |
| 7 | 23917 | 41.62 PK | 74 | -32.38 | -58.8 | 5.16 | -53.64 |
| 8 | 23917 | 23.75 AV | 54 | -30.25 | -76.67 | 5.16 | -71.51 |
| 9 | 39970.84 | 26.09 PK | 74 | -47.91 | -74.33 | 5.16 | -69.17 |
| 10 | 39970.84 | 17.93 AV | 54 | -36.07 | -82.49 | 5.16 | -77.33 |

Note: Margin value = Emission Level - Limit value

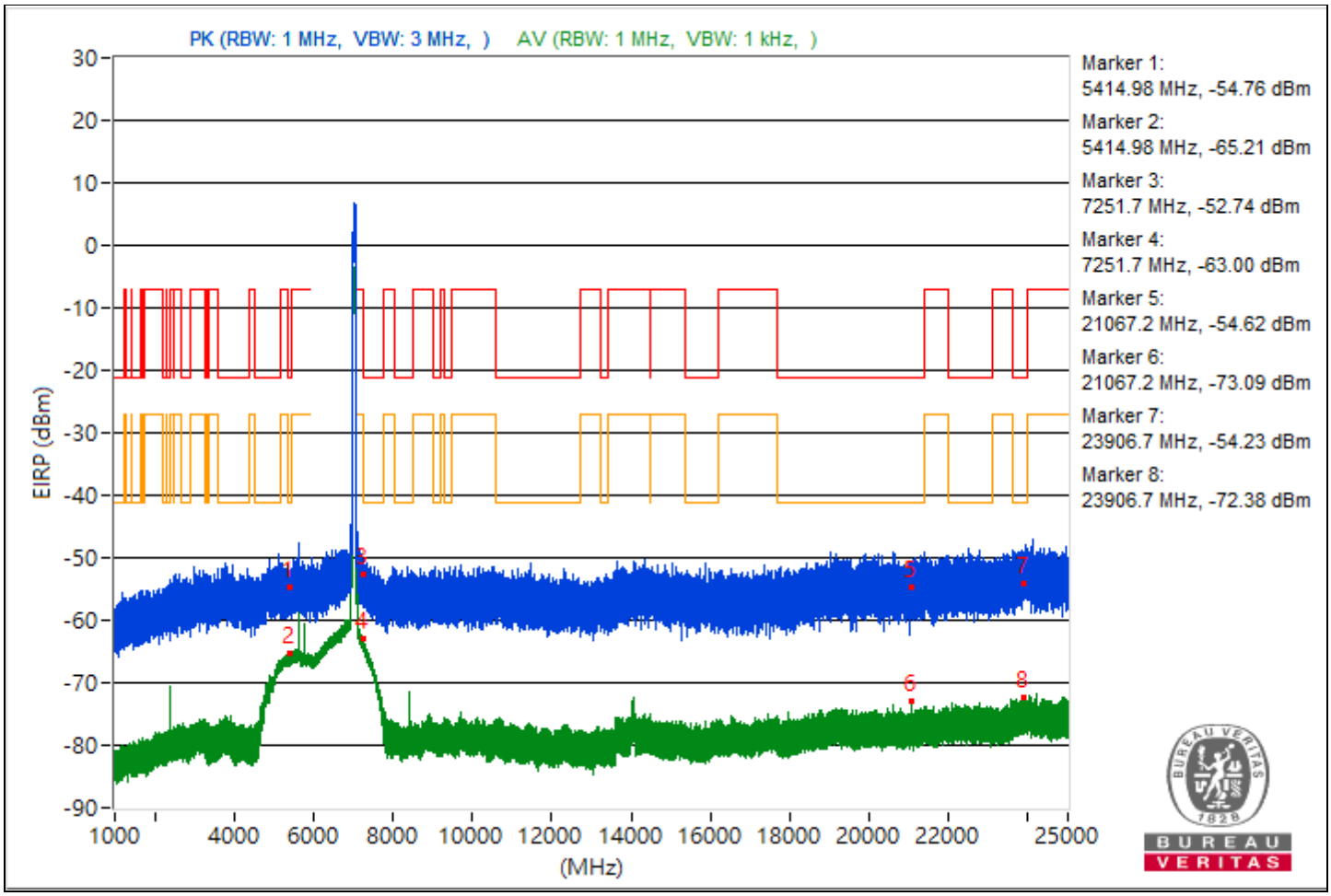


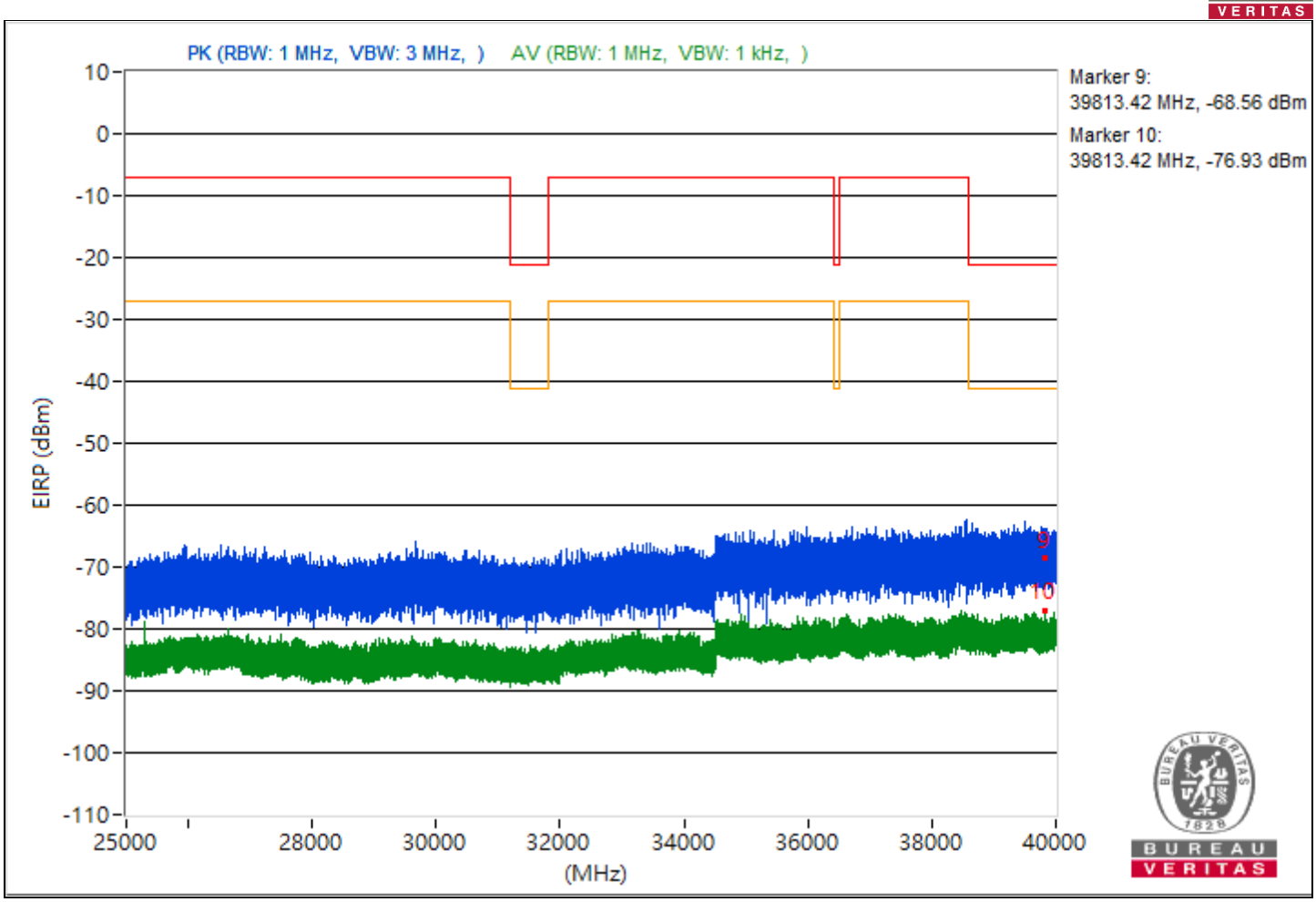

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39970.84 MHz, -69.17 dBm
Marker 10:
39970.84 MHz, -77.33 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE80) | Channel | CH 215：7025 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5414.98 | 40.5 PK | 74 | -33.5 | -59.92 | 5.16 | -54.76 |
| 2 | 5414.98 | 30.05 AV | 54 | -23.95 | -70.37 | 5.16 | -65.21 |
| 3 | 7251.7 | 42.52 PK | 74 | -31.48 | -57.9 | 5.16 | -52.74 |
| 4 | 7251.7 | 32.26 AV | 54 | -21.74 | -68.16 | 5.16 | -63 |
| 5 | 21067.2 | 40.64 PK | 74 | -33.36 | -59.78 | 5.16 | -54.62 |
| 6 | 21067.2 | 22.17 AV | 54 | -31.83 | -78.25 | 5.16 | -73.09 |
| 7 | 23906.7 | 41.03 PK | 74 | -32.97 | -59.39 | 5.16 | -54.23 |
| 8 | 23906.7 | 22.88 AV | 54 | -31.12 | -77.54 | 5.16 | -72.38 |
| 9 | 39813.42 | 26.7 PK | 74 | -47.3 | -73.72 | 5.16 | -68.56 |
| 10 | 39813.42 | 18.33 AV | 54 | -35.67 | -82.09 | 5.16 | -76.93 |

Note: Margin value = Emission Level - Limit value



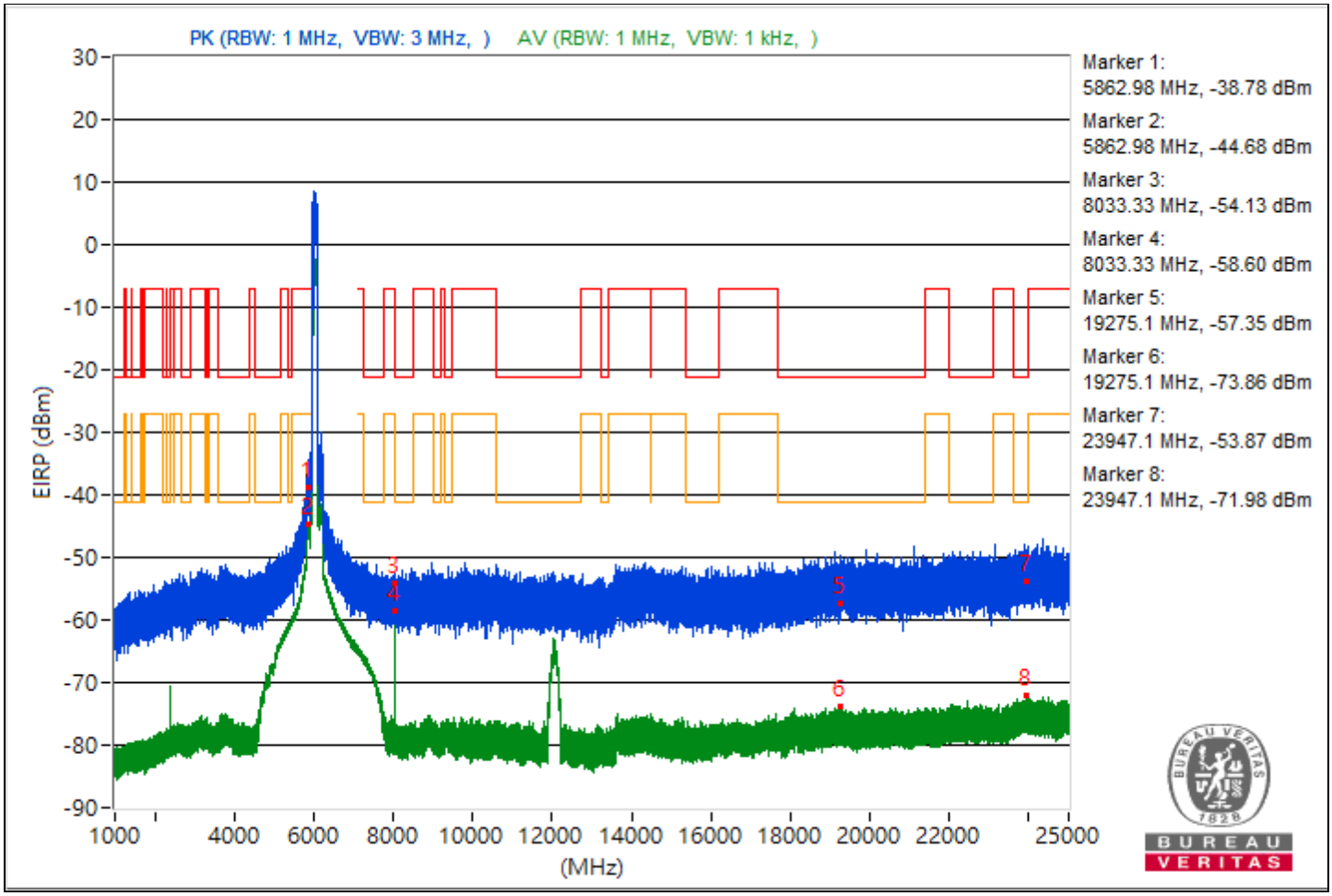

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39813.42 MHz, -68.56 dBm
Marker 10:
39813.42 MHz, -76.93 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

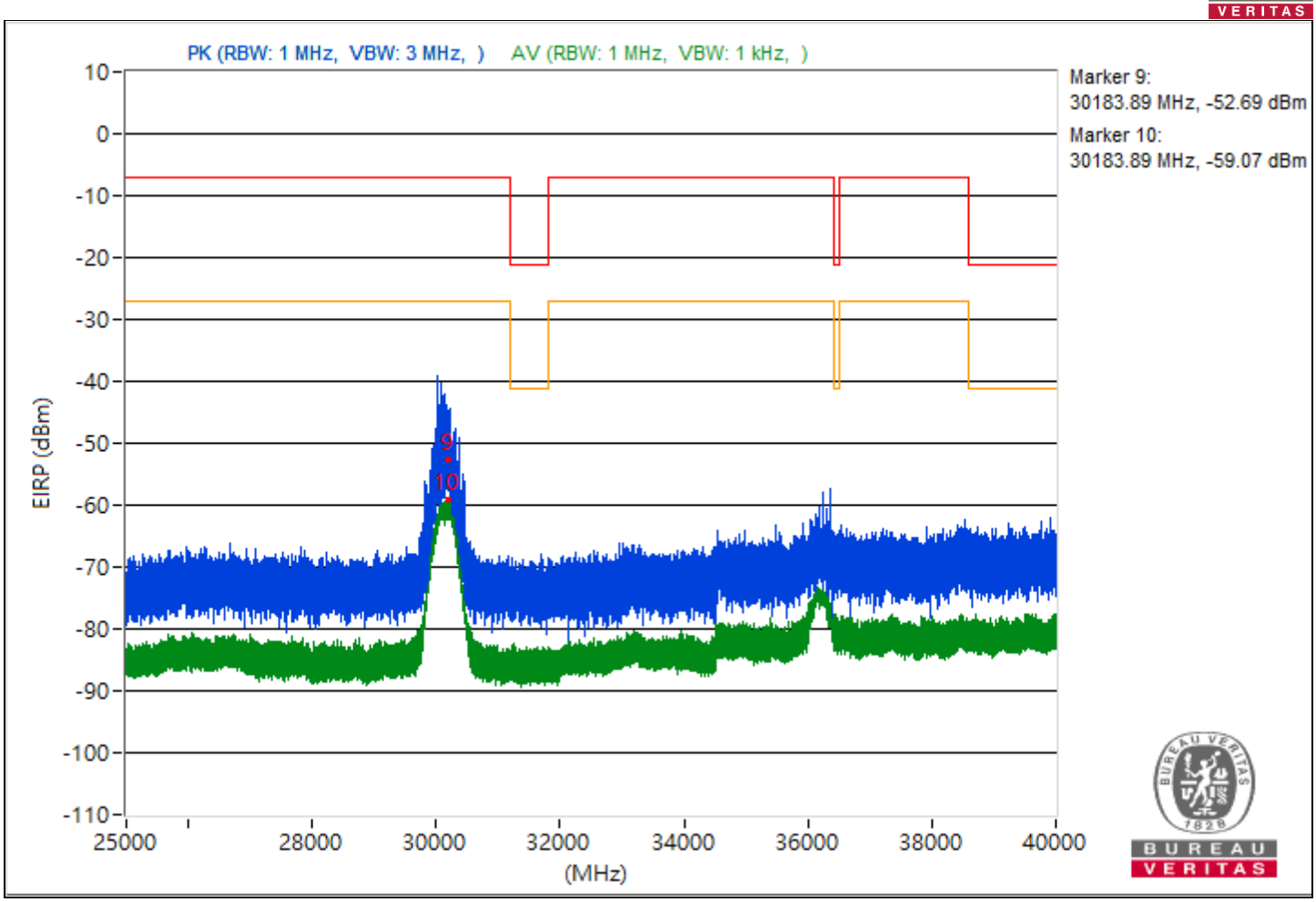
| RF Mode | 802.11ax (HE160) | Channel | CH 15：6025 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | #5862.98 | 56.48 PK | 88.26 | -31.78 | -43.94 | 5.16 | -38.78 |
| 2 | #5862.98 | 50.58 AV | 68.26 | -17.68 | -49.84 | 5.16 | -44.68 |
| 3 | 8033.33 | 41.13 PK | 74 | -32.87 | -59.29 | 5.16 | -54.13 |
| 4 | 8033.33 | 36.66 AV | 54 | -17.34 | -63.76 | 5.16 | -58.6 |
| 5 | 19275.1 | 37.91 PK | 74 | -36.09 | -62.51 | 5.16 | -57.35 |
| 6 | 19275.1 | 21.4 AV | 54 | -32.6 | -79.02 | 5.16 | -73.86 |
| 7 | 23947.1 | 41.39 PK | 74 | -32.61 | -59.03 | 5.16 | -53.87 |
| 8 | 23947.1 | 23.28 AV | 54 | -30.72 | -77.14 | 5.16 | -71.98 |
| 9 | #30183.89 | 42.57 PK | 88.26 | -45.69 | -57.85 | 5.16 | -52.69 |
| 10 | #30183.89 | 36.19 AV | 68.26 | -32.07 | -64.23 | 5.16 | -59.07 |

Notes:

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

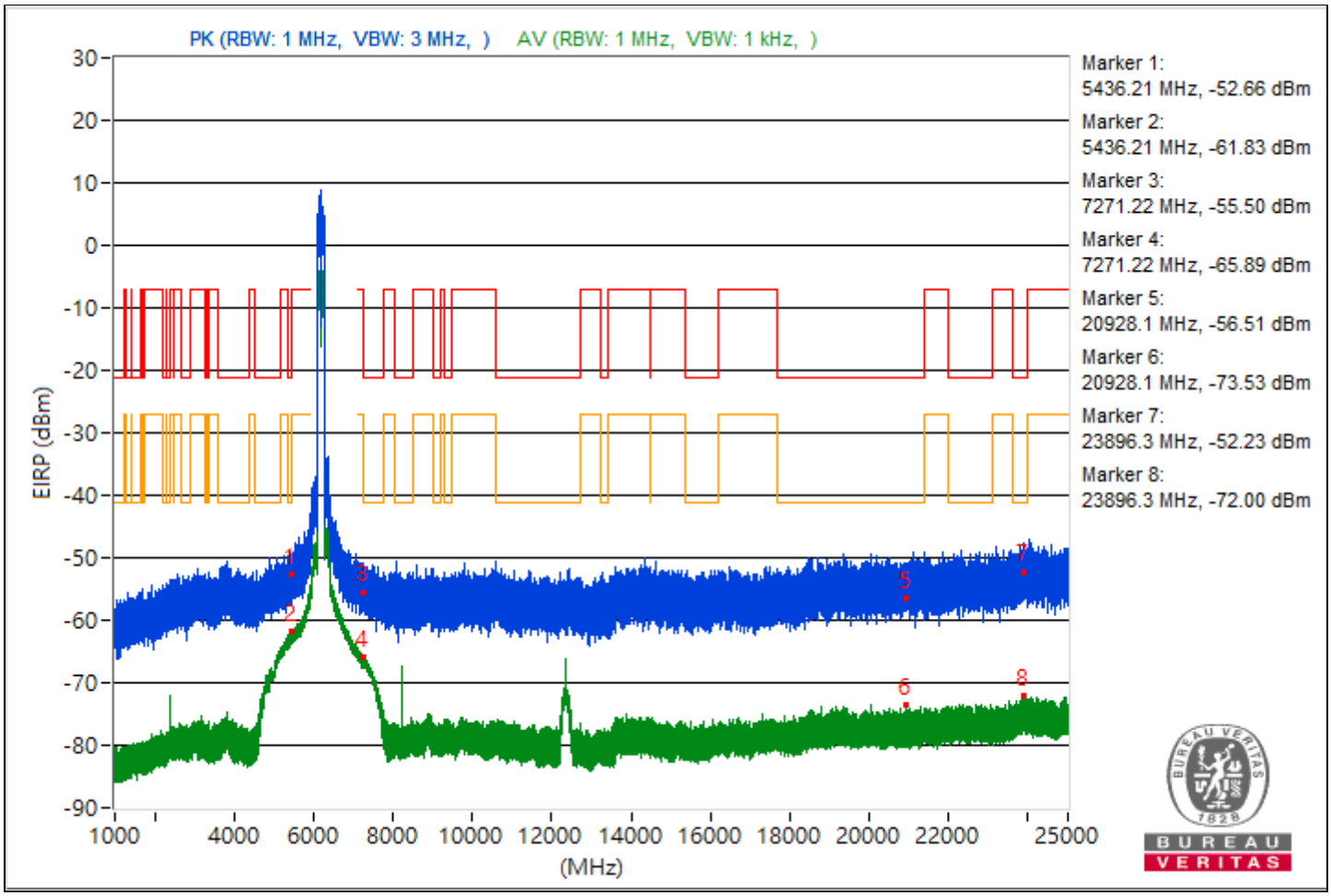


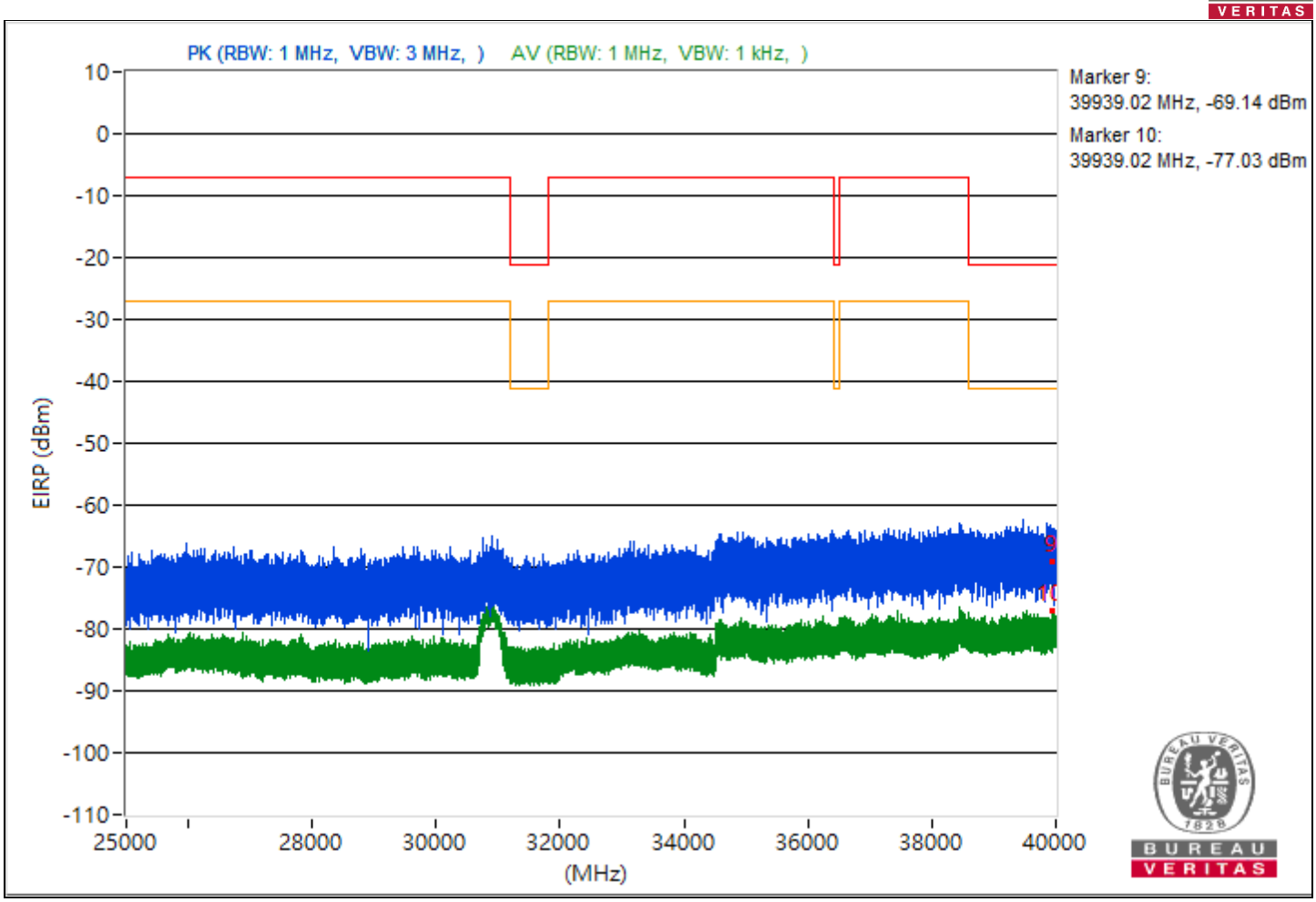

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
30183.89 MHz, -52.69 dBm
Marker 10:
30183.89 MHz, -59.07 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE160) | Channel | CH 47：6185 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5436.21 | 42.6 PK | 74 | -31.4 | -57.82 | 5.16 | -52.66 |
| 2 | 5436.21 | 33.43 AV | 54 | -20.57 | -66.99 | 5.16 | -61.83 |
| 3 | 7271.22 | 39.76 PK | 74 | -34.24 | -60.66 | 5.16 | -55.5 |
| 4 | 7271.22 | 29.37 AV | 54 | -24.63 | -71.05 | 5.16 | -65.89 |
| 5 | 20928.1 | 38.75 PK | 74 | -35.25 | -61.67 | 5.16 | -56.51 |
| 6 | 20928.1 | 21.73 AV | 54 | -32.27 | -78.69 | 5.16 | -73.53 |
| 7 | 23896.3 | 43.03 PK | 74 | -30.97 | -57.39 | 5.16 | -52.23 |
| 8 | 23896.3 | 23.26 AV | 54 | -30.74 | -77.16 | 5.16 | -72 |
| 9 | 39939.02 | 26.12 PK | 74 | -47.88 | -74.3 | 5.16 | -69.14 |
| 10 | 39939.02 | 18.23 AV | 54 | -35.77 | -82.19 | 5.16 | -77.03 |

Note: Margin value = Emission Level - Limit value

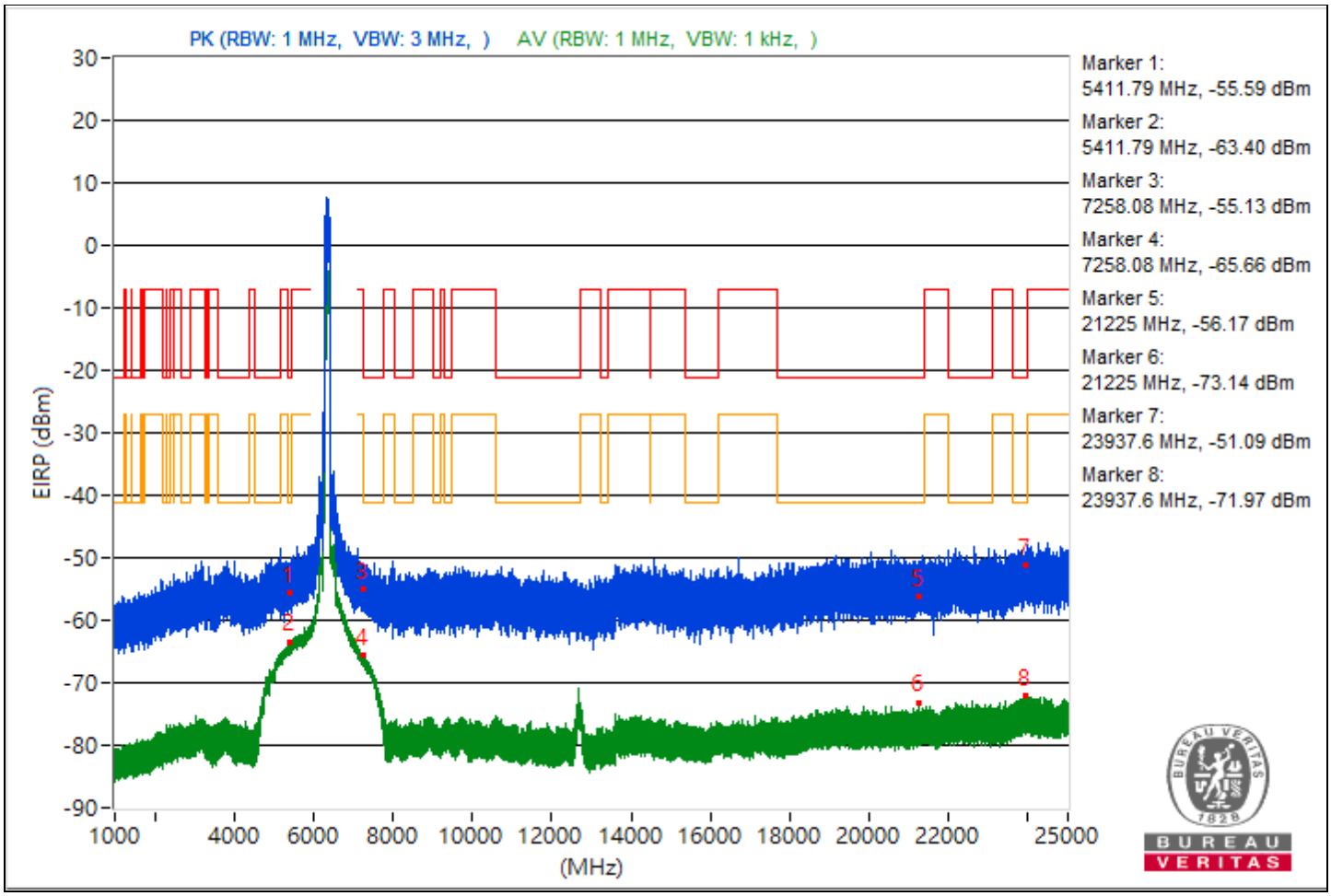


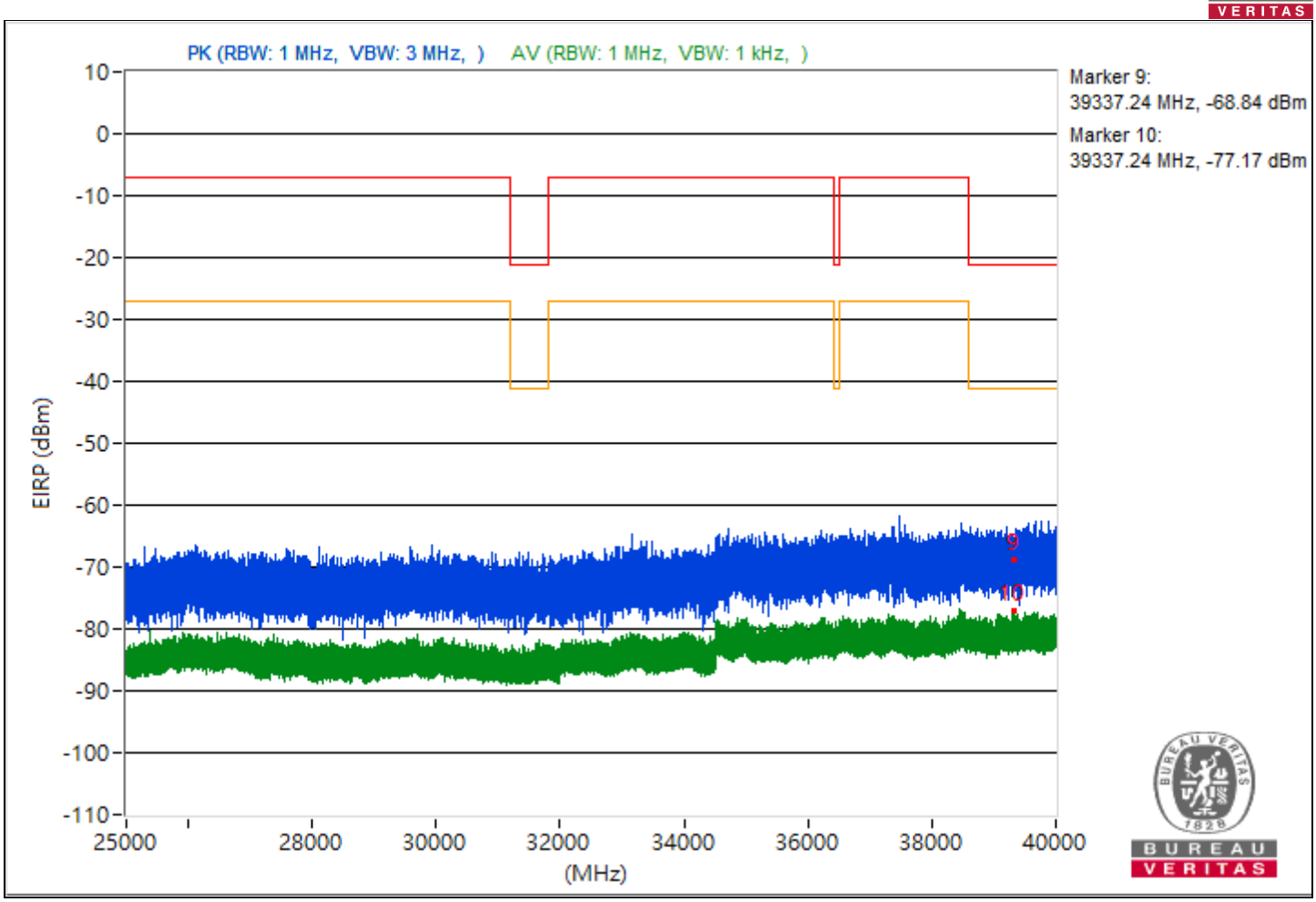

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39939.02 MHz, -69.14 dBm
Marker 10:
39939.02 MHz, -77.03 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| RF Mode | 802.11ax (HE160) | Channel | CH 79：6345 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5411.79 | 39.67 PK | 74 | -34.33 | -60.75 | 5.16 | -55.59 |
| 2 | 5411.79 | 31.86 AV | 54 | -22.14 | -68.56 | 5.16 | -63.4 |
| 3 | 7258.08 | 40.13 PK | 74 | -33.87 | -60.29 | 5.16 | -55.13 |
| 4 | 7258.08 | 29.6 AV | 54 | -24.4 | -70.82 | 5.16 | -65.66 |
| 5 | 21225 | 39.09 PK | 74 | -34.91 | -61.33 | 5.16 | -56.17 |
| 6 | 21225 | 22.12 AV | 54 | -31.88 | -78.3 | 5.16 | -73.14 |
| 7 | 23937.6 | 44.17 PK | 74 | -29.83 | -56.25 | 5.16 | -51.09 |
| 8 | 23937.6 | 23.29 AV | 54 | -30.71 | -77.13 | 5.16 | -71.97 |
| 9 | 39337.24 | 26.42 PK | 74 | -47.58 | -74 | 5.16 | -68.84 |
| 10 | 39337.24 | 18.09 AV | 54 | -35.91 | -82.33 | 5.16 | -77.17 |

Note: Margin value = Emission Level - Limit value

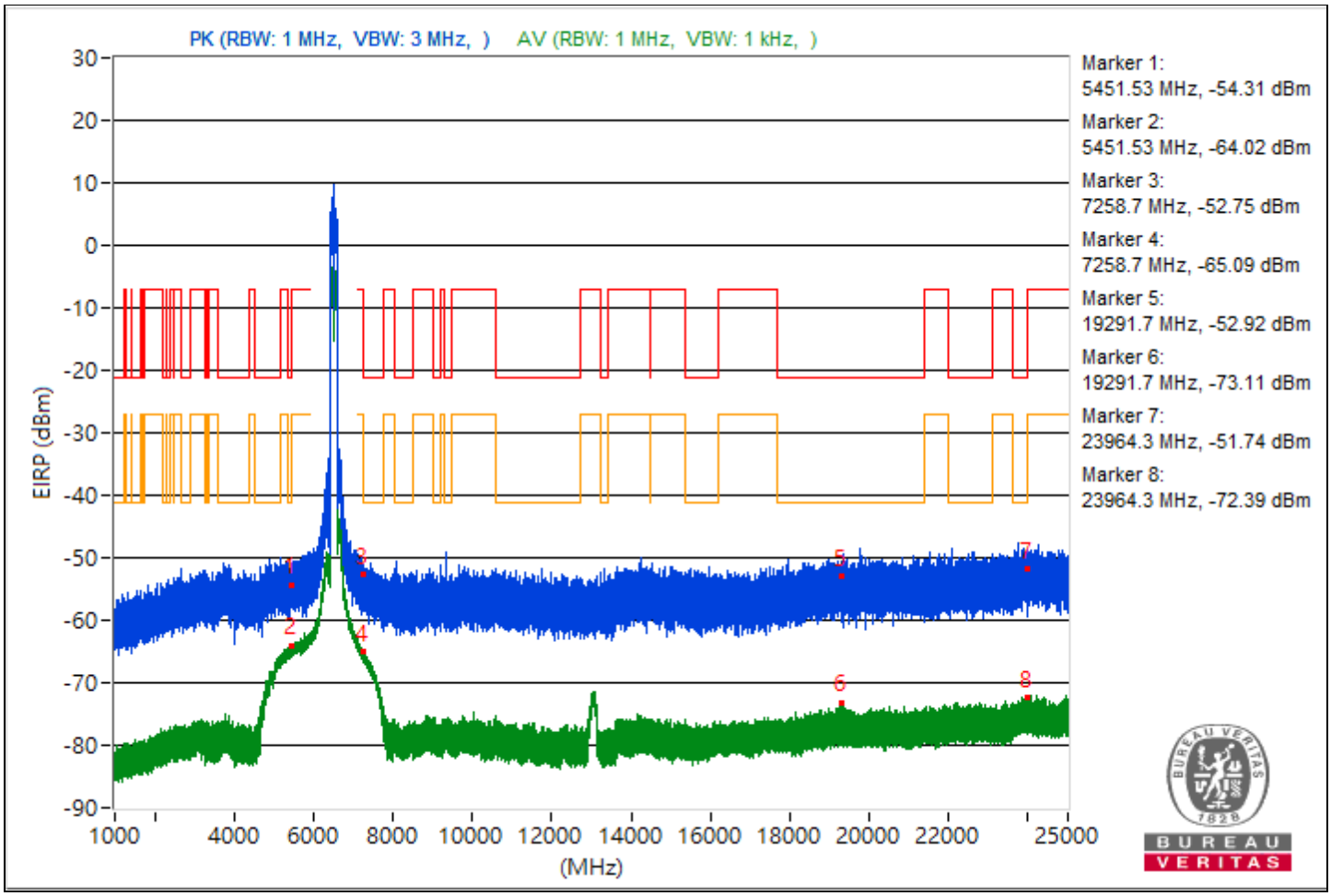


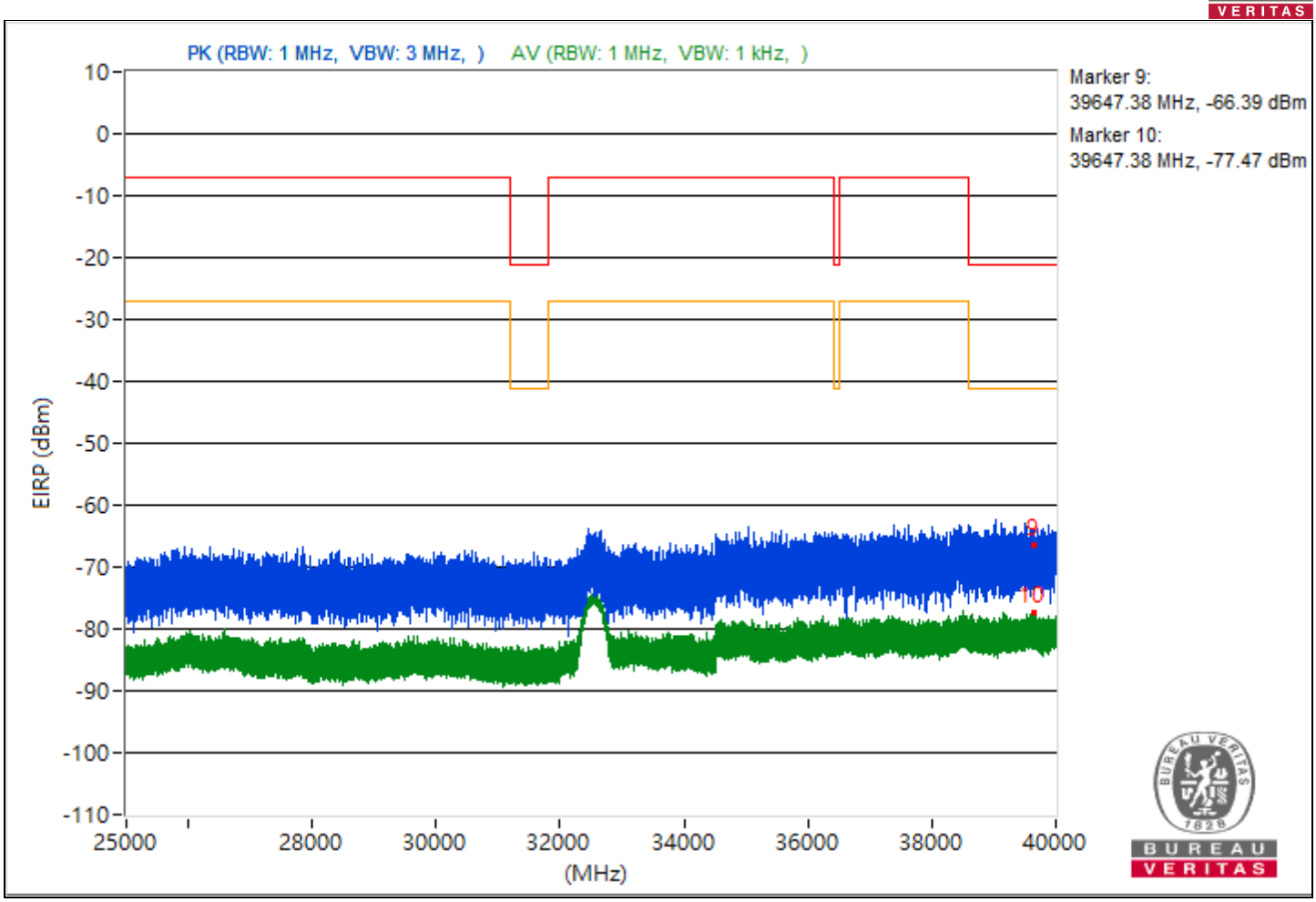

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39337.24 MHz, -68.84 dBm
Marker 10:
39337.24 MHz, -77.17 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE160) | Channel | CH 111：6505 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5451.53 | 40.95 PK | 74 | -33.05 | -59.47 | 5.16 | -54.31 |
| 2 | 5451.53 | 31.24 AV | 54 | -22.76 | -69.18 | 5.16 | -64.02 |
| 3 | 7258.7 | 42.51 PK | 74 | -31.49 | -57.91 | 5.16 | -52.75 |
| 4 | 7258.7 | 30.17 AV | 54 | -23.83 | -70.25 | 5.16 | -65.09 |
| 5 | 19291.7 | 42.34 PK | 74 | -31.66 | -58.08 | 5.16 | -52.92 |
| 6 | 19291.7 | 22.15 AV | 54 | -31.85 | -78.27 | 5.16 | -73.11 |
| 7 | 23964.3 | 43.52 PK | 74 | -30.48 | -56.9 | 5.16 | -51.74 |
| 8 | 23964.3 | 22.87 AV | 54 | -31.13 | -77.55 | 5.16 | -72.39 |
| 9 | 39647.38 | 28.87 PK | 74 | -45.13 | -71.55 | 5.16 | -66.39 |
| 10 | 39647.38 | 17.79 AV | 54 | -36.21 | -82.63 | 5.16 | -77.47 |

Note: Margin value = Emission Level - Limit value

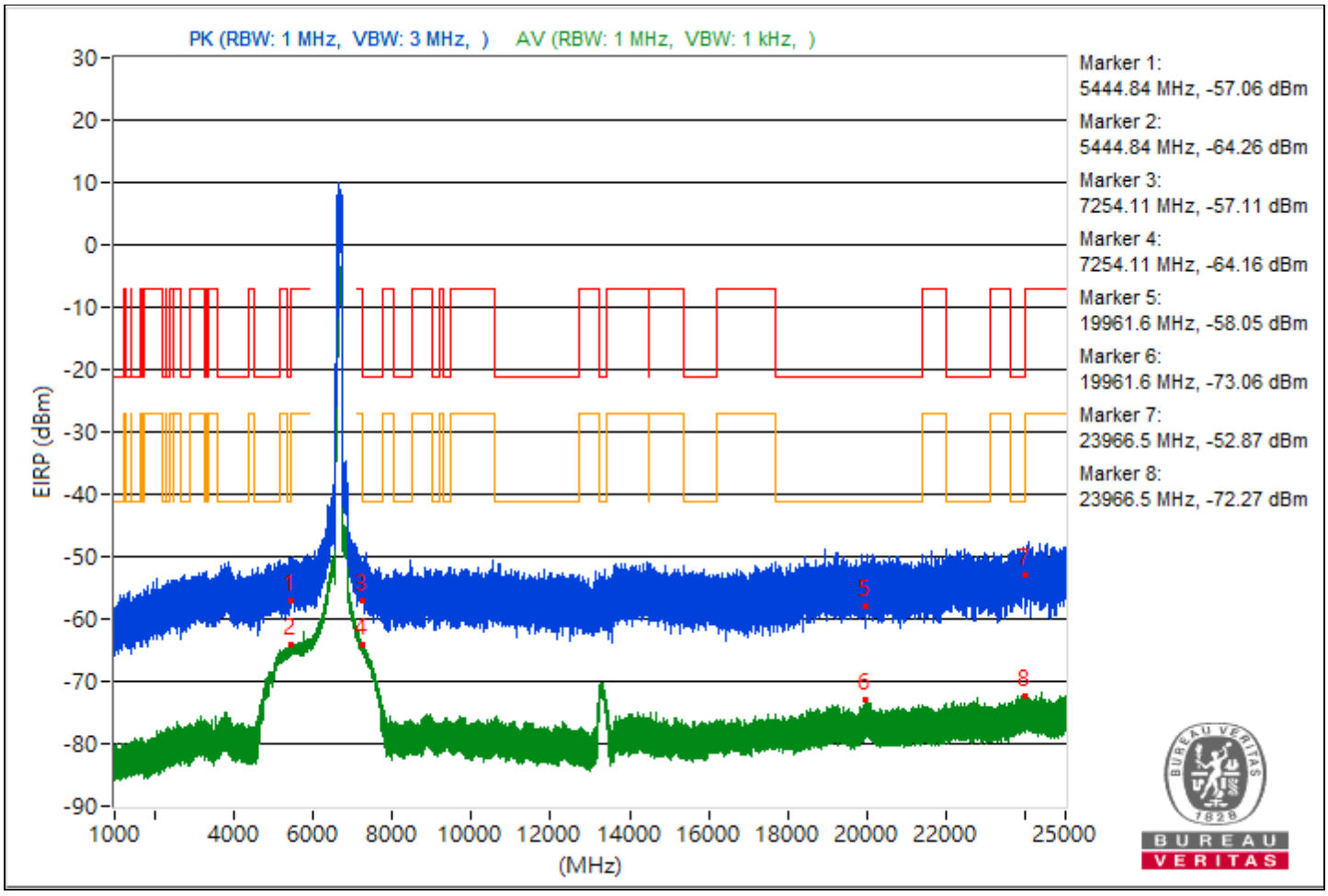


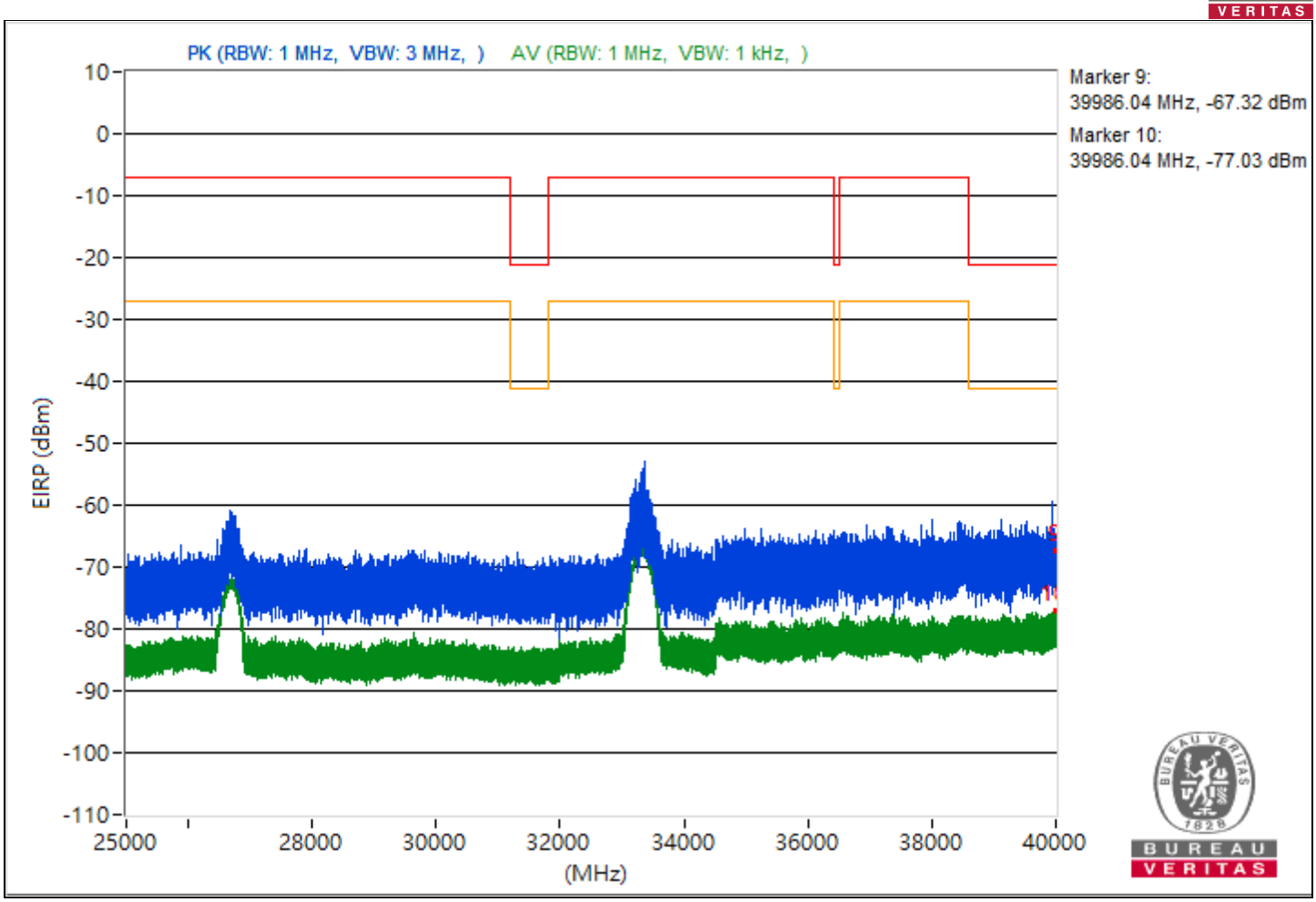

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39647.38 MHz, -66.39 dBm
Marker 10:
39647.38 MHz, -77.47 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE160) | Channel | CH 143：6665 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5444.84 | 38.2 PK | 74 | -35.8 | -62.22 | 5.16 | -57.06 |
| 2 | 5444.84 | 31 AV | 54 | -23 | -69.42 | 5.16 | -64.26 |
| 3 | 7254.11 | 38.15 PK | 74 | -35.85 | -62.27 | 5.16 | -57.11 |
| 4 | 7254.11 | 31.1 AV | 54 | -22.9 | -69.32 | 5.16 | -64.16 |
| 5 | 19961.6 | 37.21 PK | 74 | -36.79 | -63.21 | 5.16 | -58.05 |
| 6 | 19961.6 | 22.2 AV | 54 | -31.8 | -78.22 | 5.16 | -73.06 |
| 7 | 23966.5 | 42.39 PK | 74 | -31.61 | -58.03 | 5.16 | -52.87 |
| 8 | 23966.5 | 22.99 AV | 54 | -31.01 | -77.43 | 5.16 | -72.27 |
| 9 | 39986.04 | 27.94 PK | 74 | -46.06 | -72.48 | 5.16 | -67.32 |
| 10 | 39986.04 | 18.23 AV | 54 | -35.77 | -82.19 | 5.16 | -77.03 |

Note: Margin value = Emission Level - Limit value

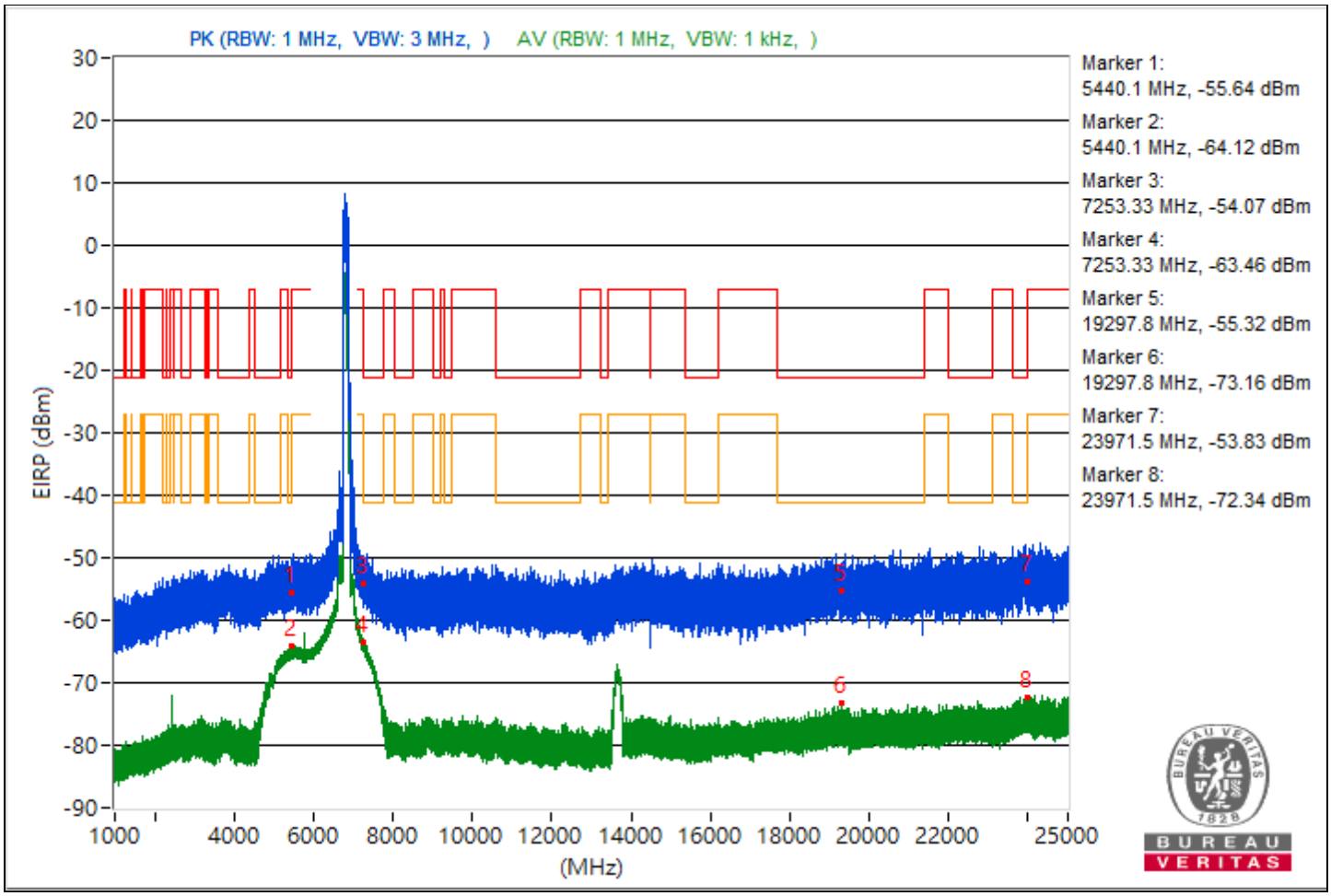


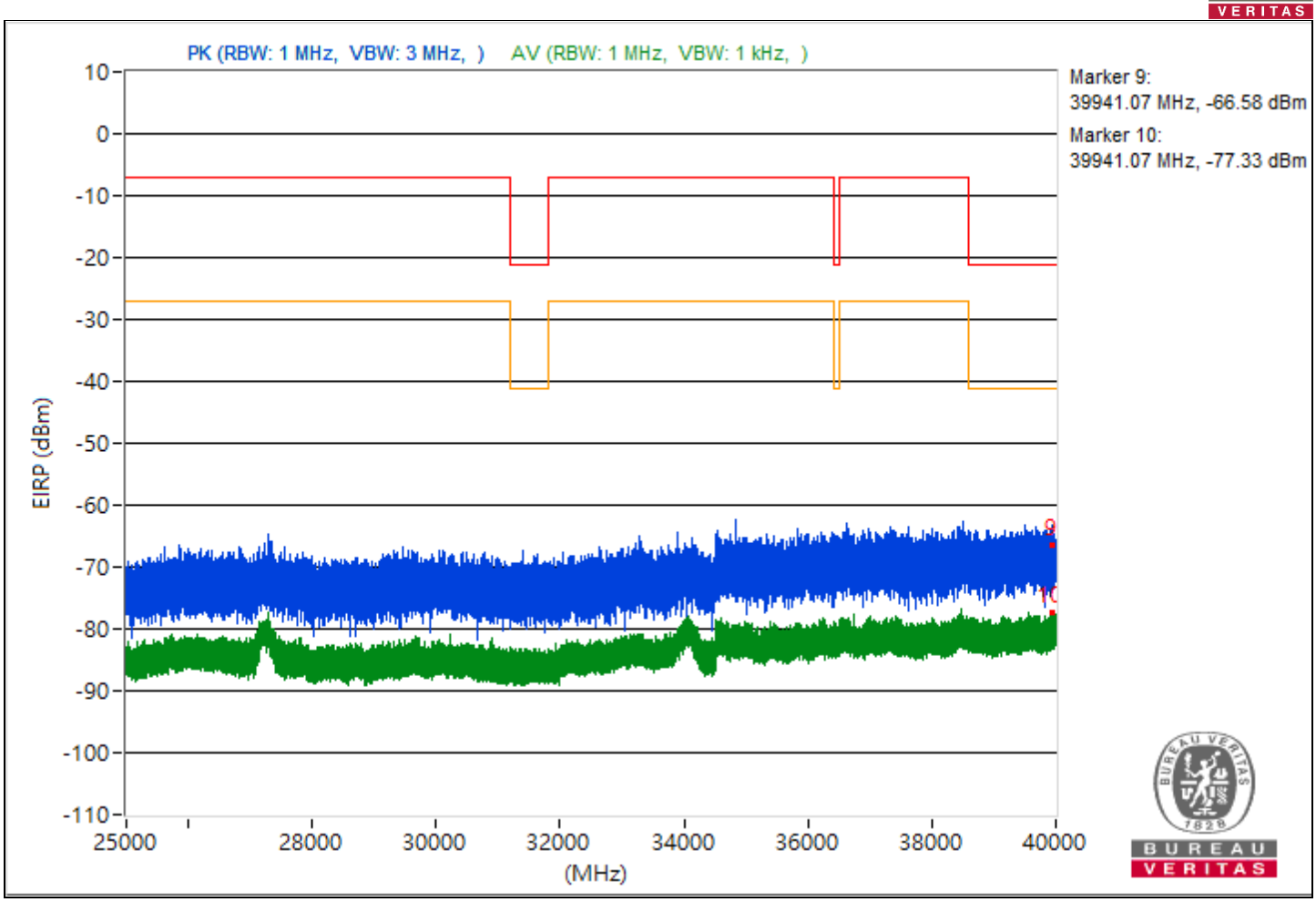

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39986.04 MHz, -67.32 dBm
Marker 10:
39986.04 MHz, -77.03 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE160) | Channel | CH 175：6825 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5440.1 | 39.62 PK | 74 | -34.38 | -60.8 | 5.16 | -55.64 |
| 2 | 5440.1 | 31.14 AV | 54 | -22.86 | -69.28 | 5.16 | -64.12 |
| 3 | 7253.33 | 41.19 PK | 74 | -32.81 | -59.23 | 5.16 | -54.07 |
| 4 | 7253.33 | 31.8 AV | 54 | -22.2 | -68.62 | 5.16 | -63.46 |
| 5 | 19297.8 | 39.94 PK | 74 | -34.06 | -60.48 | 5.16 | -55.32 |
| 6 | 19297.8 | 22.1 AV | 54 | -31.9 | -78.32 | 5.16 | -73.16 |
| 7 | 23971.5 | 41.43 PK | 74 | -32.57 | -58.99 | 5.16 | -53.83 |
| 8 | 23971.5 | 22.92 AV | 54 | -31.08 | -77.5 | 5.16 | -72.34 |
| 9 | 39941.07 | 28.68 PK | 74 | -45.32 | -71.74 | 5.16 | -66.58 |
| 10 | 39941.07 | 17.93 AV | 54 | -36.07 | -82.49 | 5.16 | -77.33 |

Note: Margin value = Emission Level - Limit value

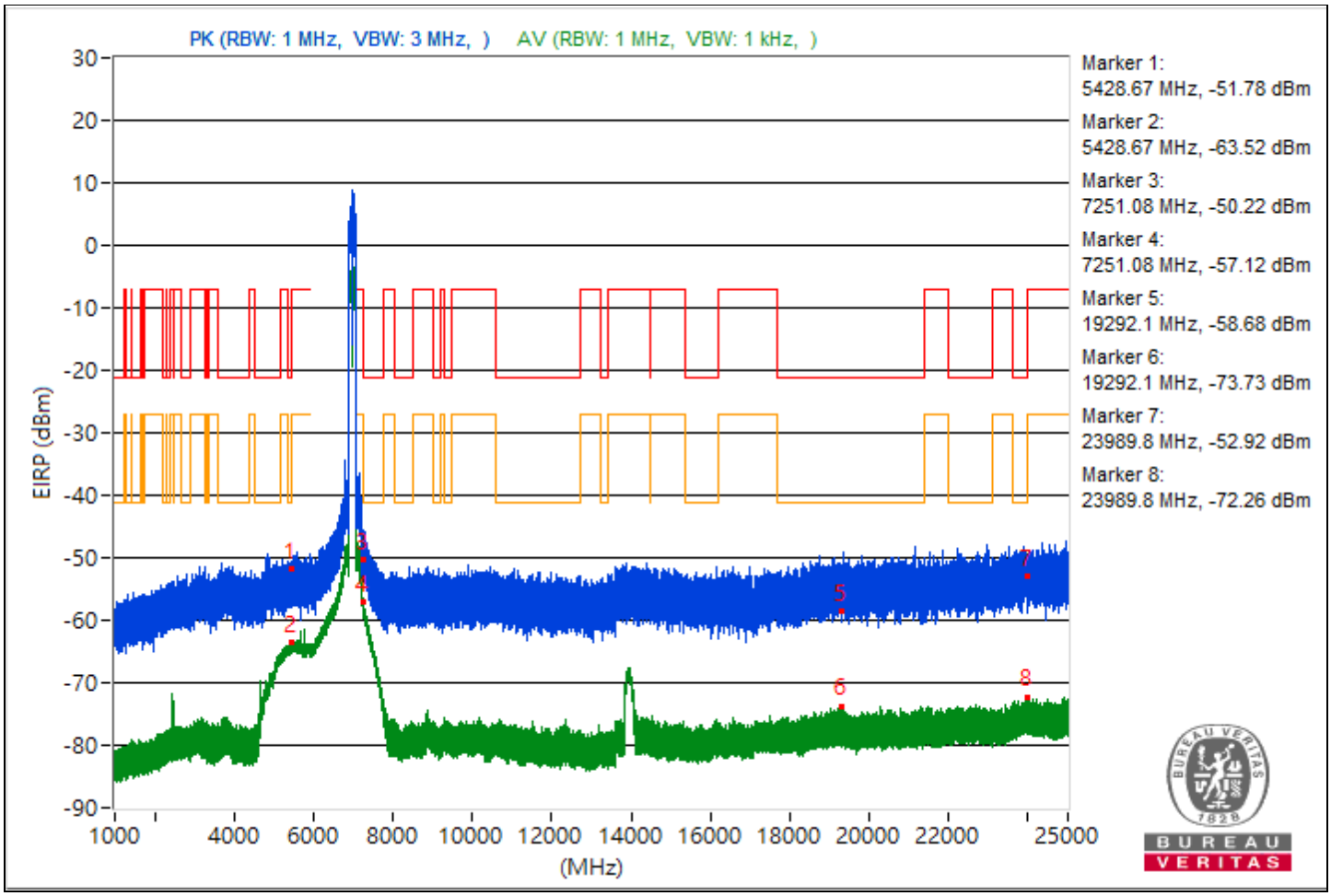


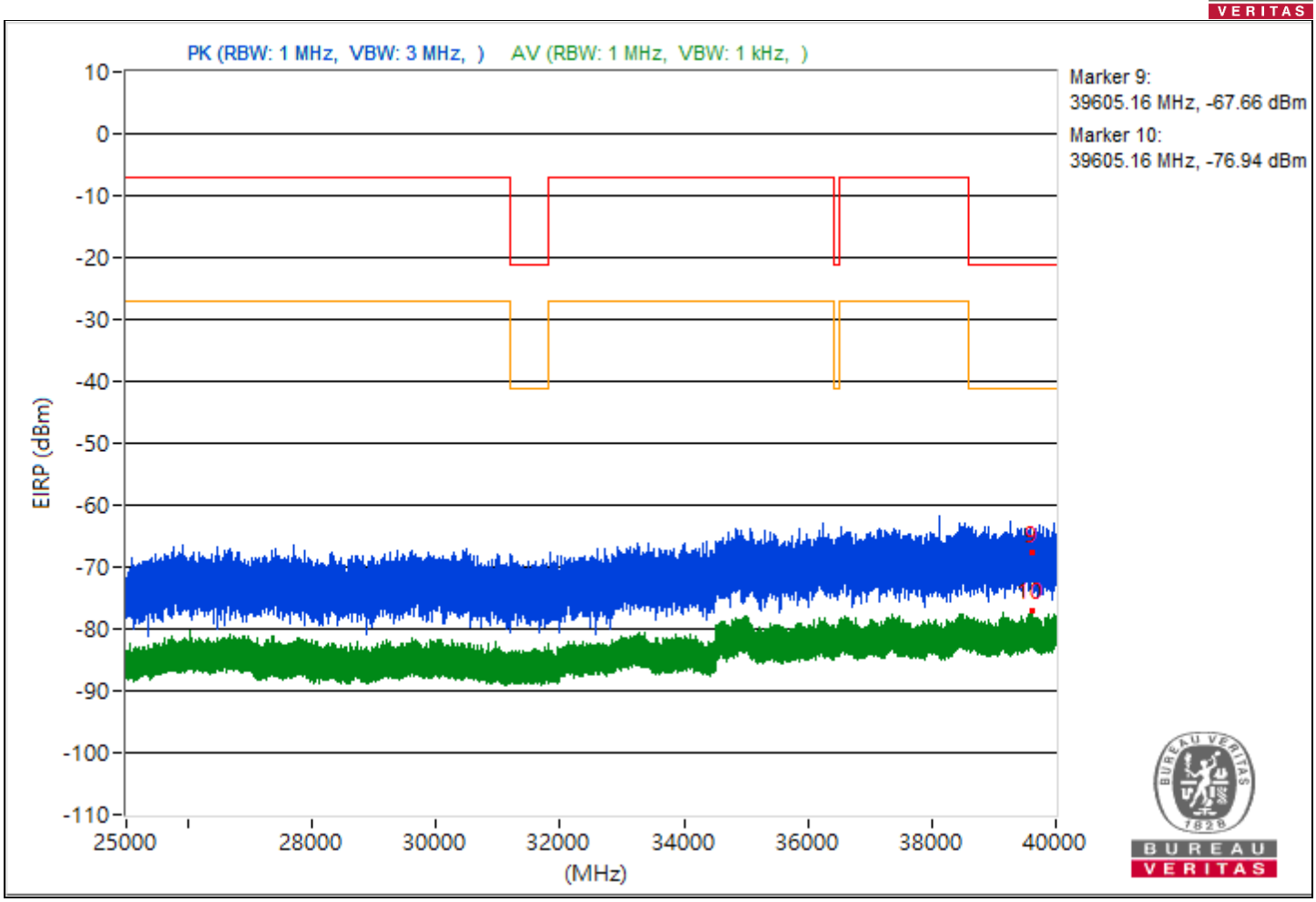

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39941.07 MHz, -66.58 dBm
Marker 10:
39941.07 MHz, -77.33 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11ax (HE160) | Channel | CH 207：6985 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5428.67 | 43.48 PK | 74 | -30.52 | -56.94 | 5.16 | -51.78 |
| 2 | 5428.67 | 31.74 AV | 54 | -22.26 | -68.68 | 5.16 | -63.52 |
| 3 | 7251.08 | 45.04 PK | 74 | -28.96 | -55.38 | 5.16 | -50.22 |
| 4 | 7251.08 | 38.14 AV | 54 | -15.86 | -62.28 | 5.16 | -57.12 |
| 5 | 19292.1 | 36.58 PK | 74 | -37.42 | -63.84 | 5.16 | -58.68 |
| 6 | 19292.1 | 21.53 AV | 54 | -32.47 | -78.89 | 5.16 | -73.73 |
| 7 | 23989.8 | 42.34 PK | 74 | -31.66 | -58.08 | 5.16 | -52.92 |
| 8 | 23989.8 | 23 AV | 54 | -31 | -77.42 | 5.16 | -72.26 |
| 9 | 39605.16 | 27.6 PK | 74 | -46.4 | -72.82 | 5.16 | -67.66 |
| 10 | 39605.16 | 18.32 AV | 54 | -35.68 | -82.1 | 5.16 | -76.94 |

Note: Margin value = Emission Level - Limit value



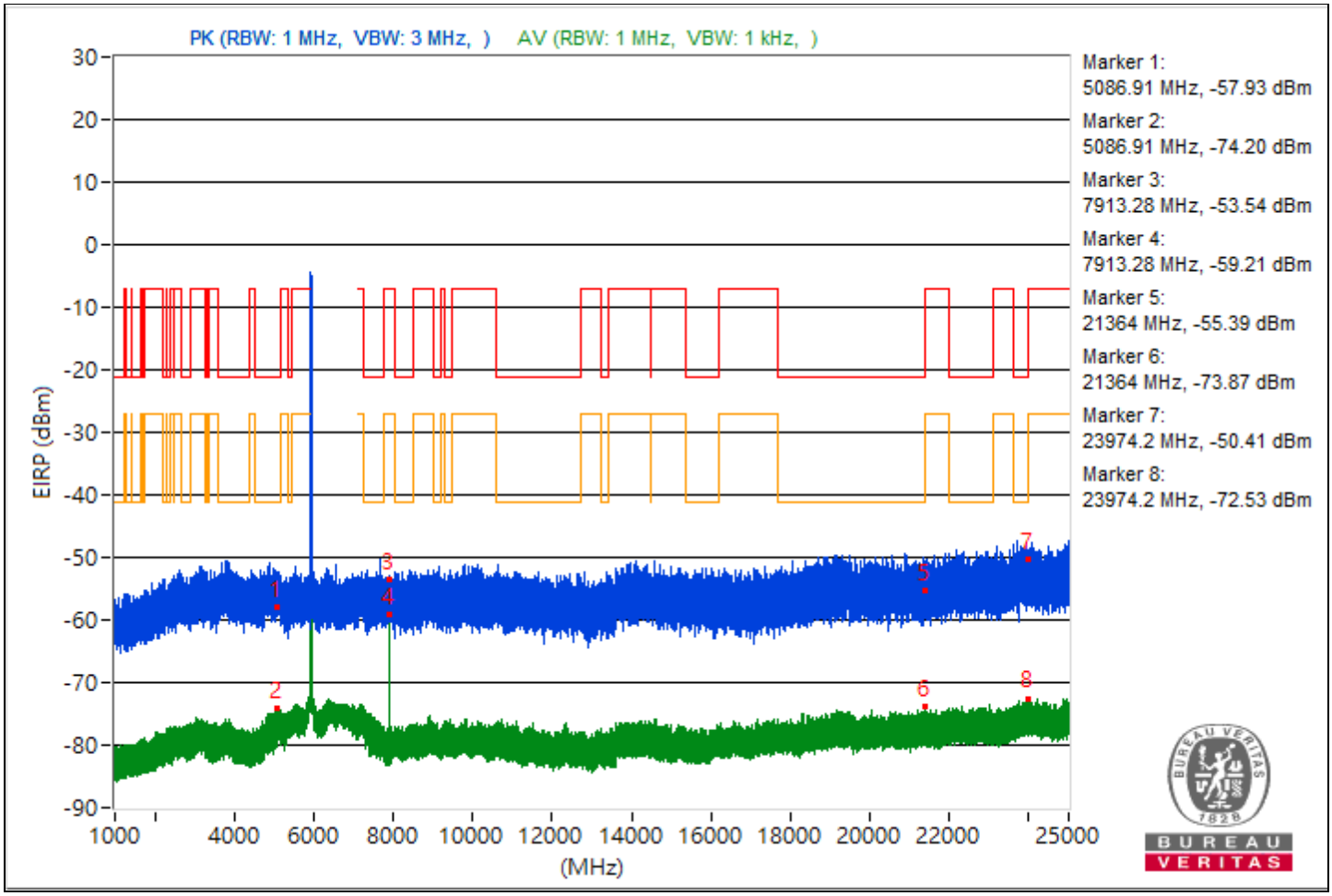

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39605.16 MHz, -67.66 dBm
Marker 10:
39605.16 MHz, -76.94 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT20) | Channel | CH 2：5935 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5086.91 | 37.33 PK | 74 | -36.67 | -63.09 | 5.16 | -57.93 |
| 2 | 5086.91 | 21.06 AV | 54 | -32.94 | -79.36 | 5.16 | -74.2 |
| 3 | #7913.28 | 41.72 PK | 88.26 | -46.54 | -58.7 | 5.16 | -53.54 |
| 4 | #7913.28 | 36.05 AV | 68.26 | -32.21 | -64.37 | 5.16 | -59.21 |
| 5 | 21364 | 39.87 PK | 74 | -34.13 | -60.55 | 5.16 | -55.39 |
| 6 | 21364 | 21.39 AV | 54 | -32.61 | -79.03 | 5.16 | -73.87 |
| 7 | 23974.2 | 44.85 PK | 74 | -29.15 | -55.57 | 5.16 | -50.41 |
| 8 | 23974.2 | 22.73 AV | 54 | -31.27 | -77.69 | 5.16 | -72.53 |
| 9 | 39563.56 | 24.68 PK | 74 | -49.32 | -75.74 | 5.16 | -70.58 |
| 10 | 39563.56 | 17.86 AV | 54 | -36.14 | -82.56 | 5.16 | -77.4 |

Notes:

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

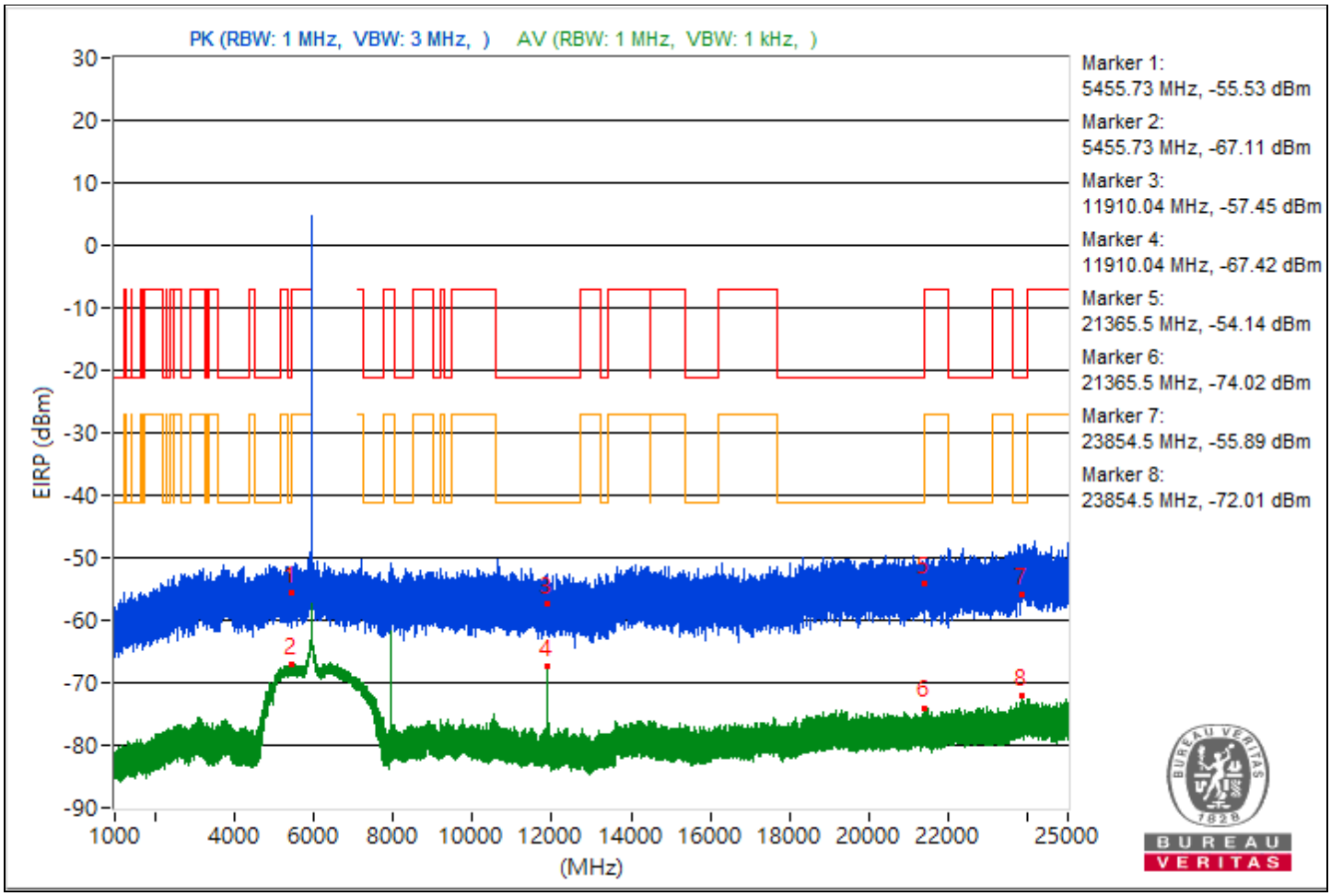


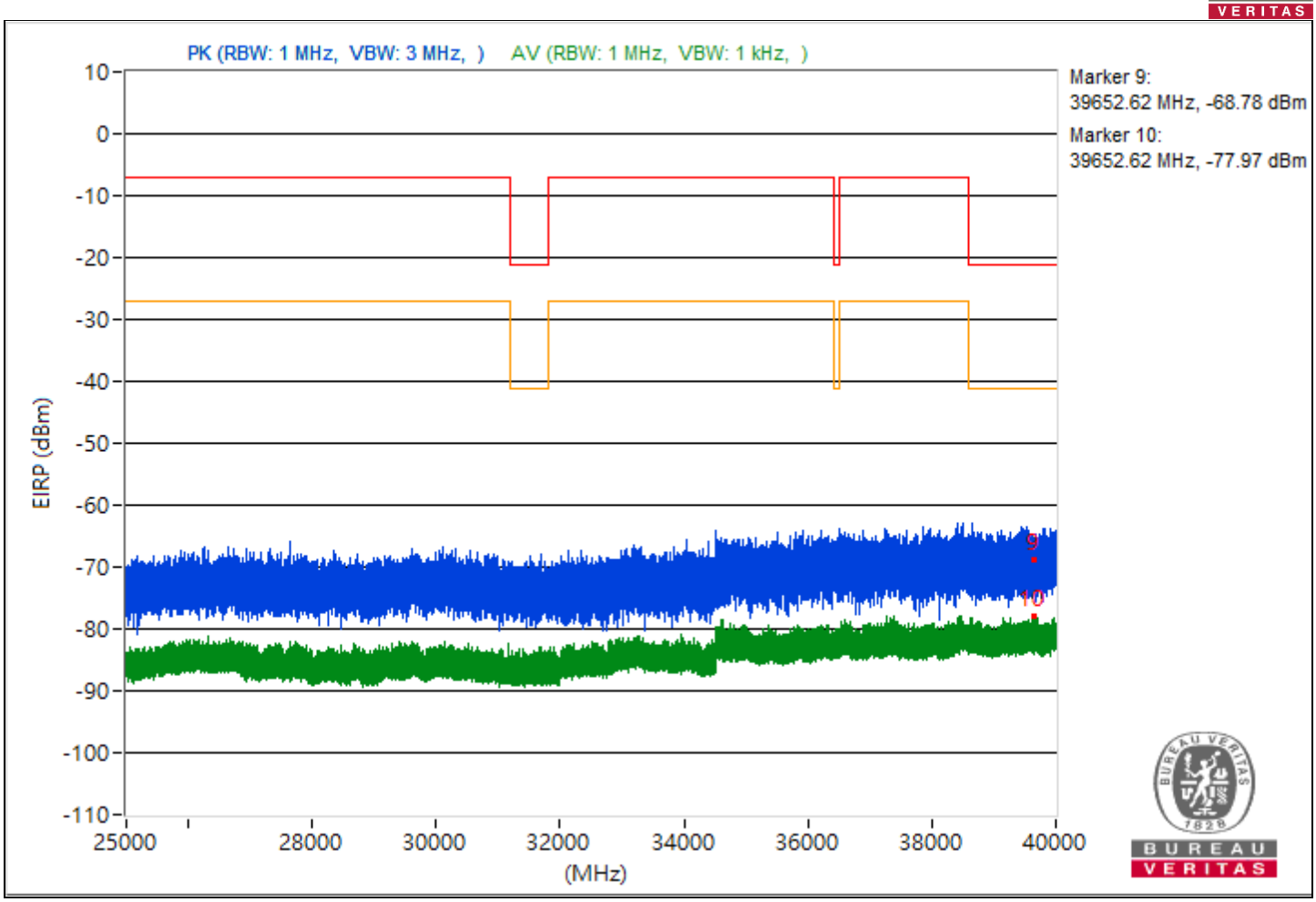

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39563.56 MHz, -70.58 dBm
Marker 10:
39563.56 MHz, -77.40 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT20) | Channel | CH 1：5955 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5455.73 | 39.73 PK | 74 | -34.27 | -60.69 | 5.16 | -55.53 |
| 2 | 5455.73 | 28.15 AV | 54 | -25.85 | -72.27 | 5.16 | -67.11 |
| 3 | 11910.04 | 37.81 PK | 74 | -36.19 | -62.61 | 5.16 | -57.45 |
| 4 | 11910.04 | 27.84 AV | 54 | -26.16 | -72.58 | 5.16 | -67.42 |
| 5 | 21365.5 | 41.12 PK | 74 | -32.88 | -59.3 | 5.16 | -54.14 |
| 6 | 21365.5 | 21.24 AV | 54 | -32.76 | -79.18 | 5.16 | -74.02 |
| 7 | 23854.5 | 39.37 PK | 74 | -34.63 | -61.05 | 5.16 | -55.89 |
| 8 | 23854.5 | 23.25 AV | 54 | -30.75 | -77.17 | 5.16 | -72.01 |
| 9 | 39652.62 | 26.48 PK | 74 | -47.52 | -73.94 | 5.16 | -68.78 |
| 10 | 39652.62 | 17.29 AV | 54 | -36.71 | -83.13 | 5.16 | -77.97 |

Note: Margin value = Emission Level - Limit value

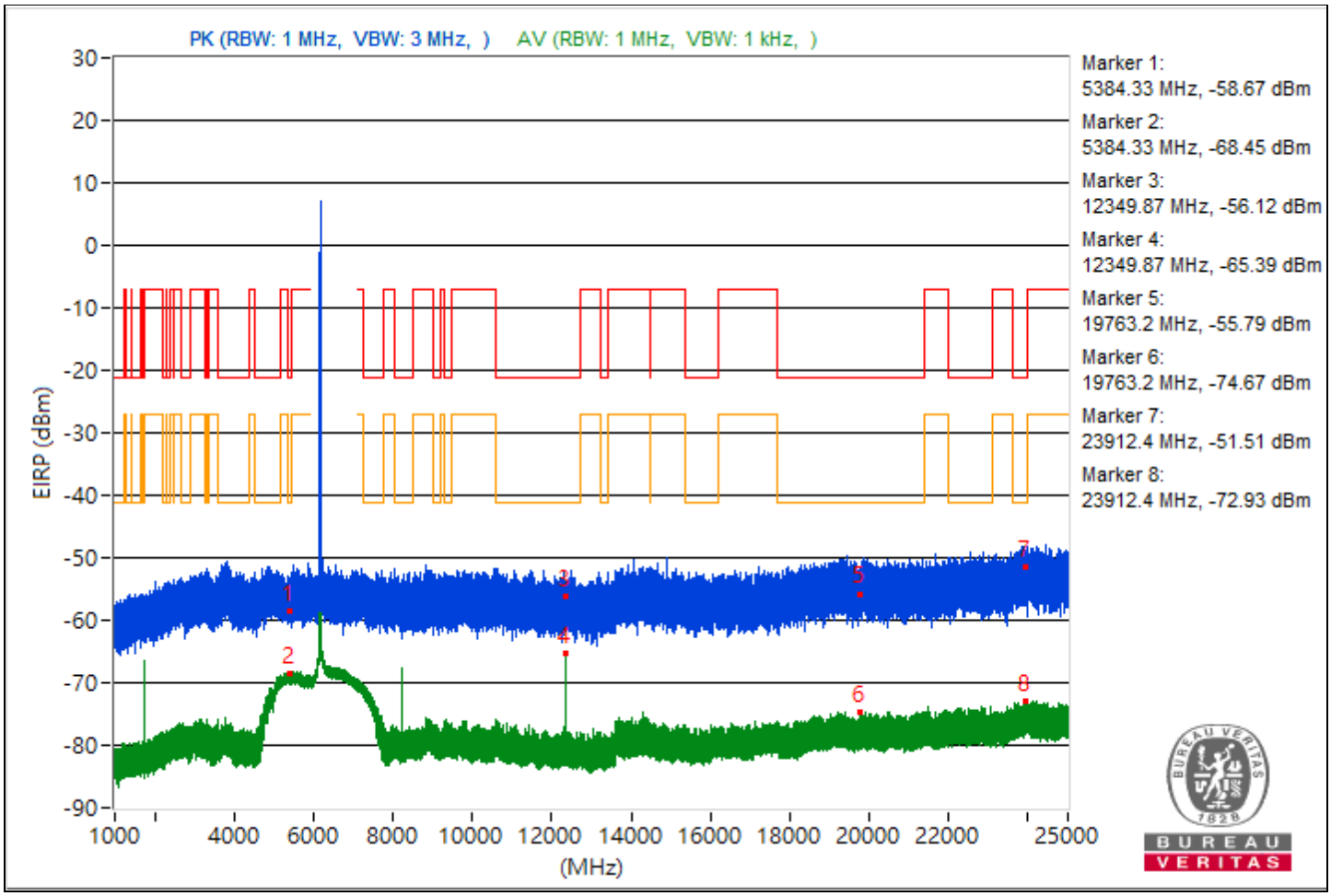


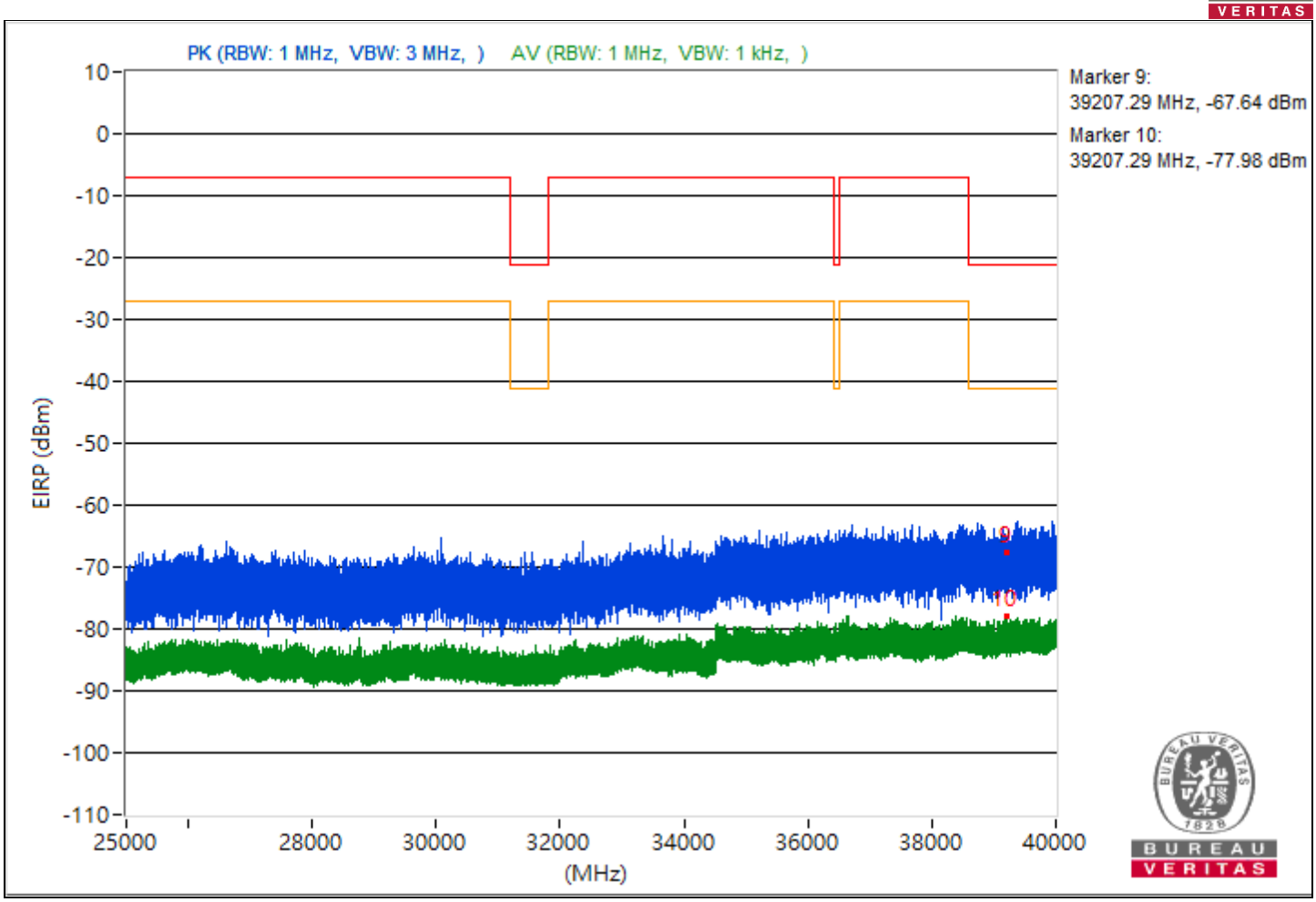

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39652.62 MHz, -68.78 dBm
Marker 10:
39652.62 MHz, -77.97 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT20) | Channel | CH 45：6175 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5384.33 | 36.59 PK | 74 | -37.41 | -63.83 | 5.16 | -58.67 |
| 2 | 5384.33 | 26.81 AV | 54 | -27.19 | -73.61 | 5.16 | -68.45 |
| 3 | 12349.87 | 39.14 PK | 74 | -34.86 | -61.28 | 5.16 | -56.12 |
| 4 | 12349.87 | 29.87 AV | 54 | -24.13 | -70.55 | 5.16 | -65.39 |
| 5 | 19763.2 | 39.47 PK | 74 | -34.53 | -60.95 | 5.16 | -55.79 |
| 6 | 19763.2 | 20.59 AV | 54 | -33.41 | -79.83 | 5.16 | -74.67 |
| 7 | 23912.4 | 43.75 PK | 74 | -30.25 | -56.67 | 5.16 | -51.51 |
| 8 | 23912.4 | 22.33 AV | 54 | -31.67 | -78.09 | 5.16 | -72.93 |
| 9 | 39207.29 | 27.62 PK | 74 | -46.38 | -72.8 | 5.16 | -67.64 |
| 10 | 39207.29 | 17.28 AV | 54 | -36.72 | -83.14 | 5.16 | -77.98 |

Note: Margin value = Emission Level - Limit value

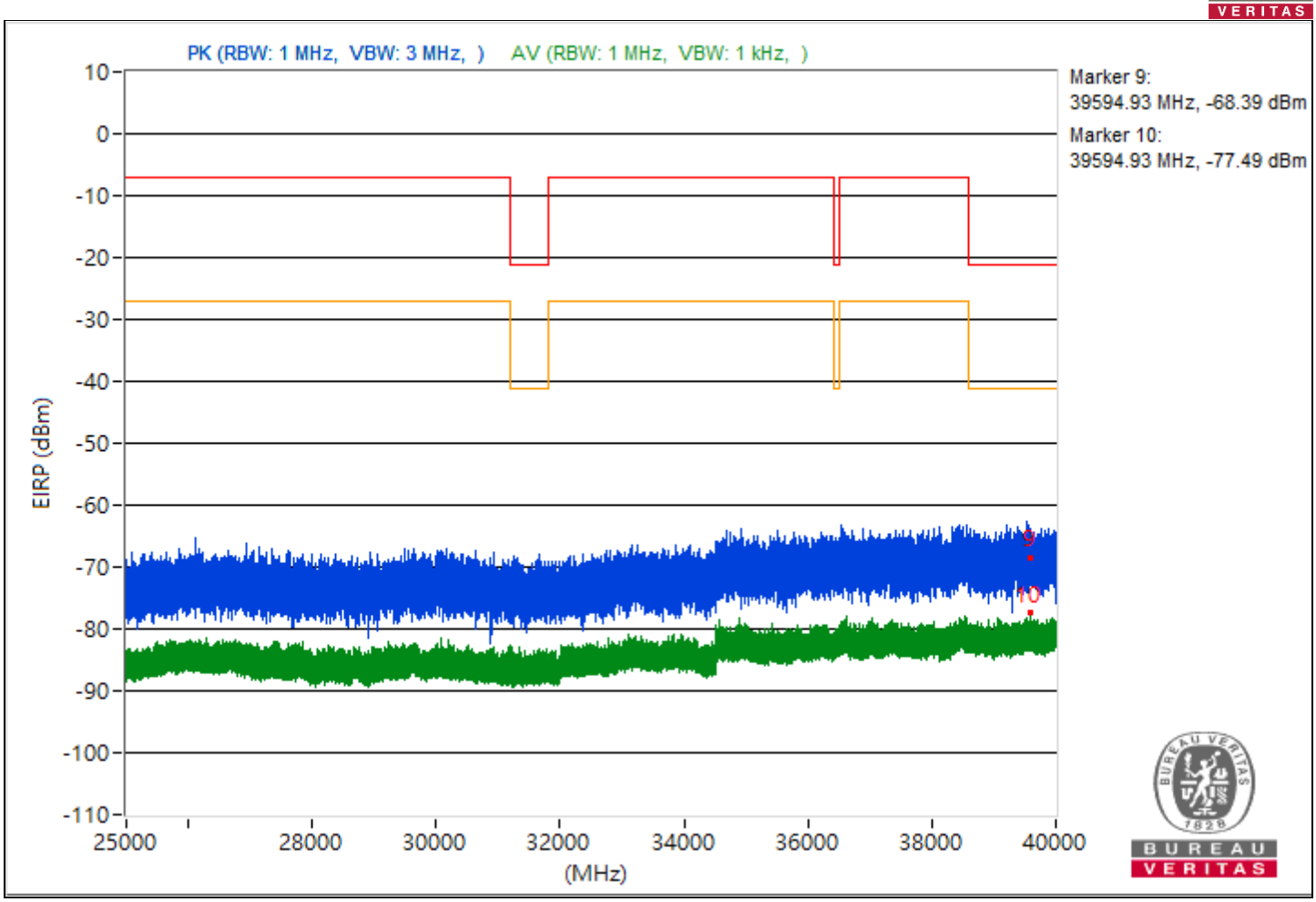



PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39207.29 MHz, -67.64 dBm
Marker 10:
39207.29 MHz, -77.98 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT20) | Channel | CH 93：6415 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5433.1 | 42.74 PK | 74 | -31.26 | -57.68 | 5.16 | -52.52 |
| 2 | 5433.1 | 26.54 AV | 54 | -27.46 | -73.88 | 5.16 | -68.72 |
| 3 | 7254.19 | 39.34 PK | 74 | -34.66 | -61.08 | 5.16 | -55.92 |
| 4 | 7254.19 | 24.89 AV | 54 | -29.11 | -75.53 | 5.16 | -70.37 |
| 5 | 19123.6 | 40.39 PK | 74 | -33.61 | -60.03 | 5.16 | -54.87 |
| 6 | 19123.6 | 21.01 AV | 54 | -32.99 | -79.41 | 5.16 | -74.25 |
| 7 | 23943.5 | 38.87 PK | 74 | -35.13 | -61.55 | 5.16 | -56.39 |
| 8 | 23943.5 | 22.33 AV | 54 | -31.67 | -78.09 | 5.16 | -72.93 |
| 9 | 39594.93 | 26.87 PK | 74 | -47.13 | -73.55 | 5.16 | -68.39 |
| 10 | 39594.93 | 17.77 AV | 54 | -36.23 | -82.65 | 5.16 | -77.49 |

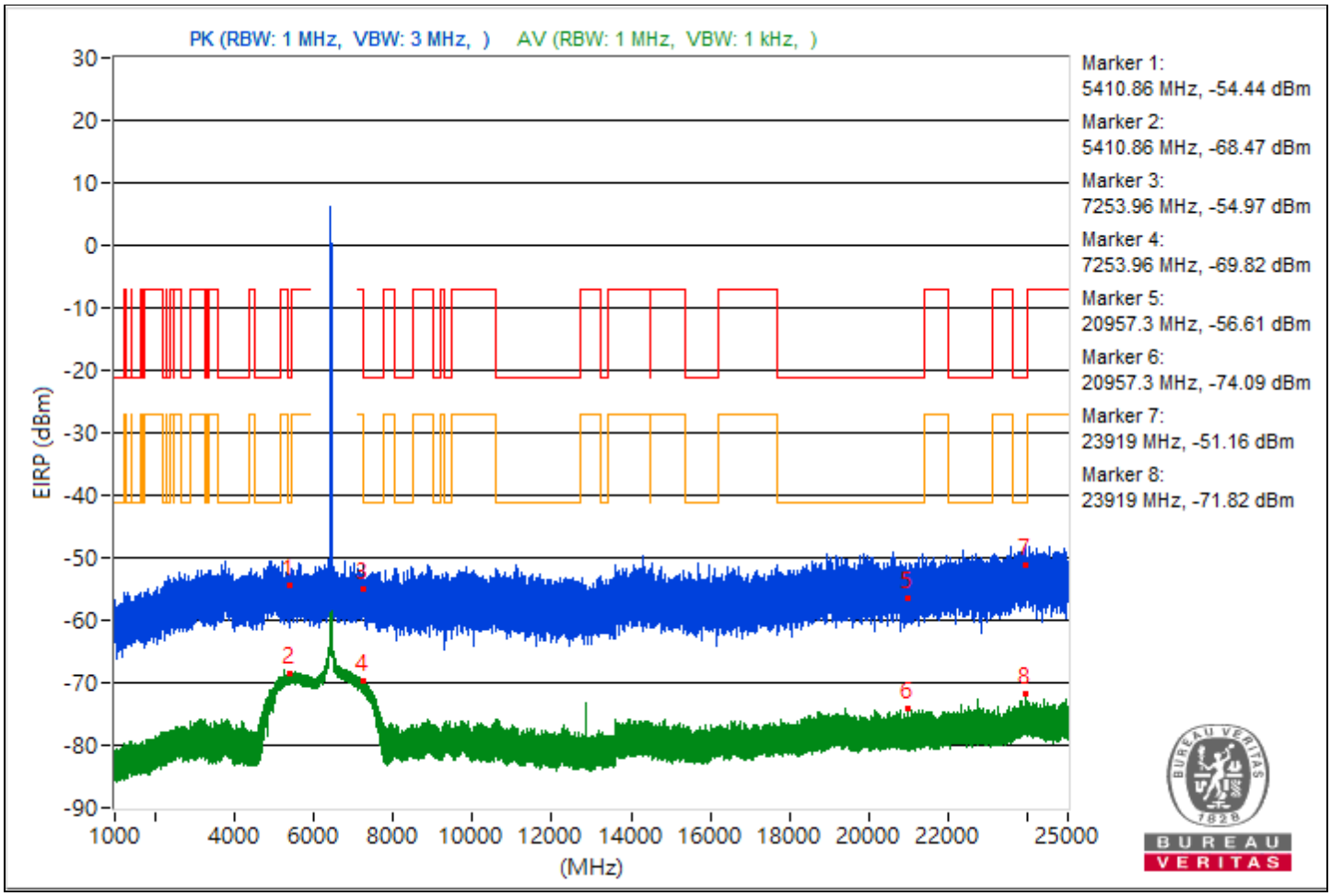
Note: Margin value = Emission Level - Limit value

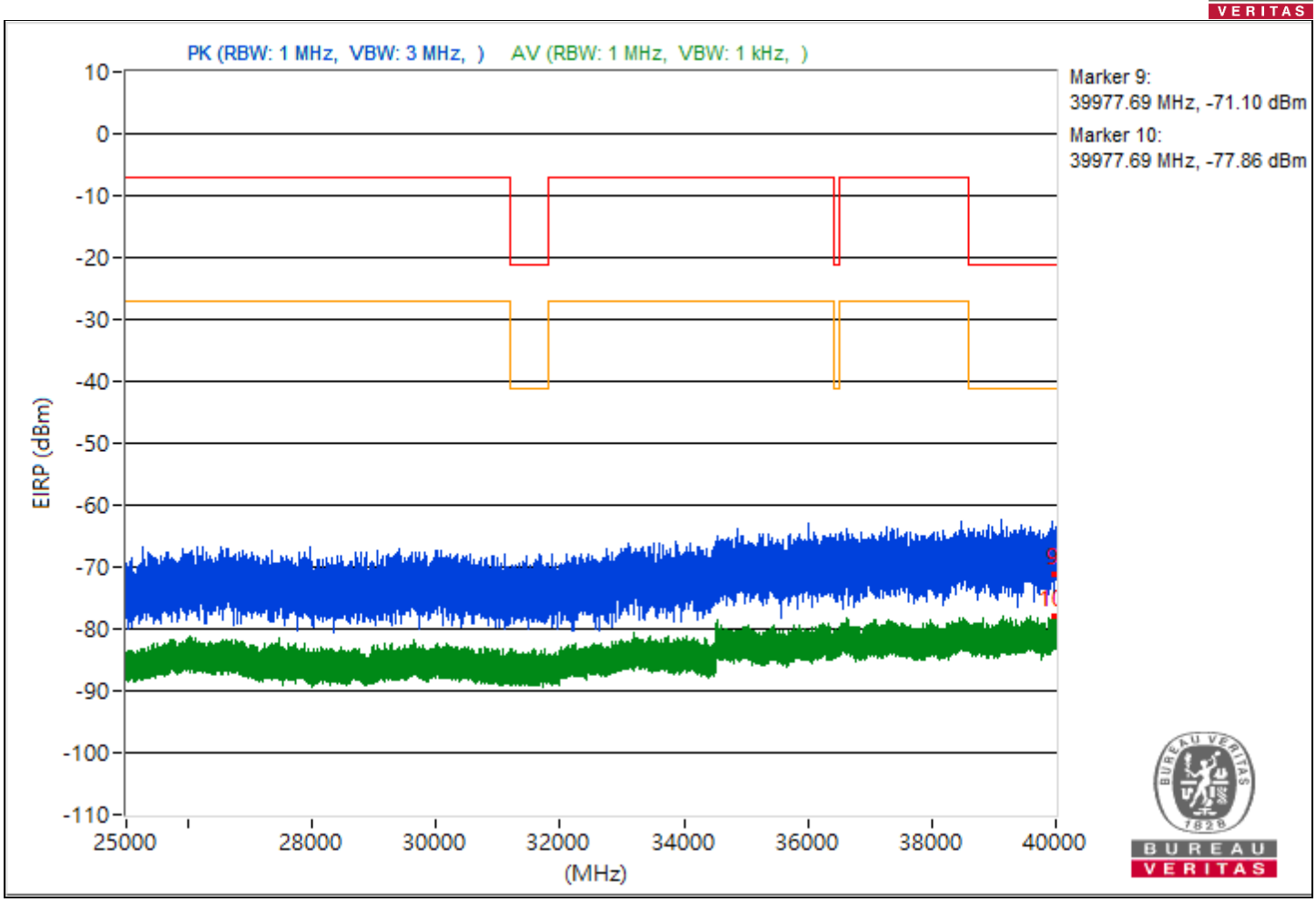

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39594.93 MHz, -68.39 dBm
Marker 10:
39594.93 MHz, -77.49 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT20) | Channel | CH 97：6435 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5410.86 | 40.82 PK | 74 | -33.18 | -59.6 | 5.16 | -54.44 |
| 2 | 5410.86 | 26.79 AV | 54 | -27.21 | -73.63 | 5.16 | -68.47 |
| 3 | 7253.96 | 40.29 PK | 74 | -33.71 | -60.13 | 5.16 | -54.97 |
| 4 | 7253.96 | 25.44 AV | 54 | -28.56 | -74.98 | 5.16 | -69.82 |
| 5 | 20957.3 | 38.65 PK | 74 | -35.35 | -61.77 | 5.16 | -56.61 |
| 6 | 20957.3 | 21.17 AV | 54 | -32.83 | -79.25 | 5.16 | -74.09 |
| 7 | 23919 | 44.1 PK | 74 | -29.9 | -56.32 | 5.16 | -51.16 |
| 8 | 23919 | 23.44 AV | 54 | -30.56 | -76.98 | 5.16 | -71.82 |
| 9 | 39977.69 | 24.16 PK | 74 | -49.84 | -76.26 | 5.16 | -71.1 |
| 10 | 39977.69 | 17.4 AV | 54 | -36.6 | -83.02 | 5.16 | -77.86 |

Note: Margin value = Emission Level - Limit value

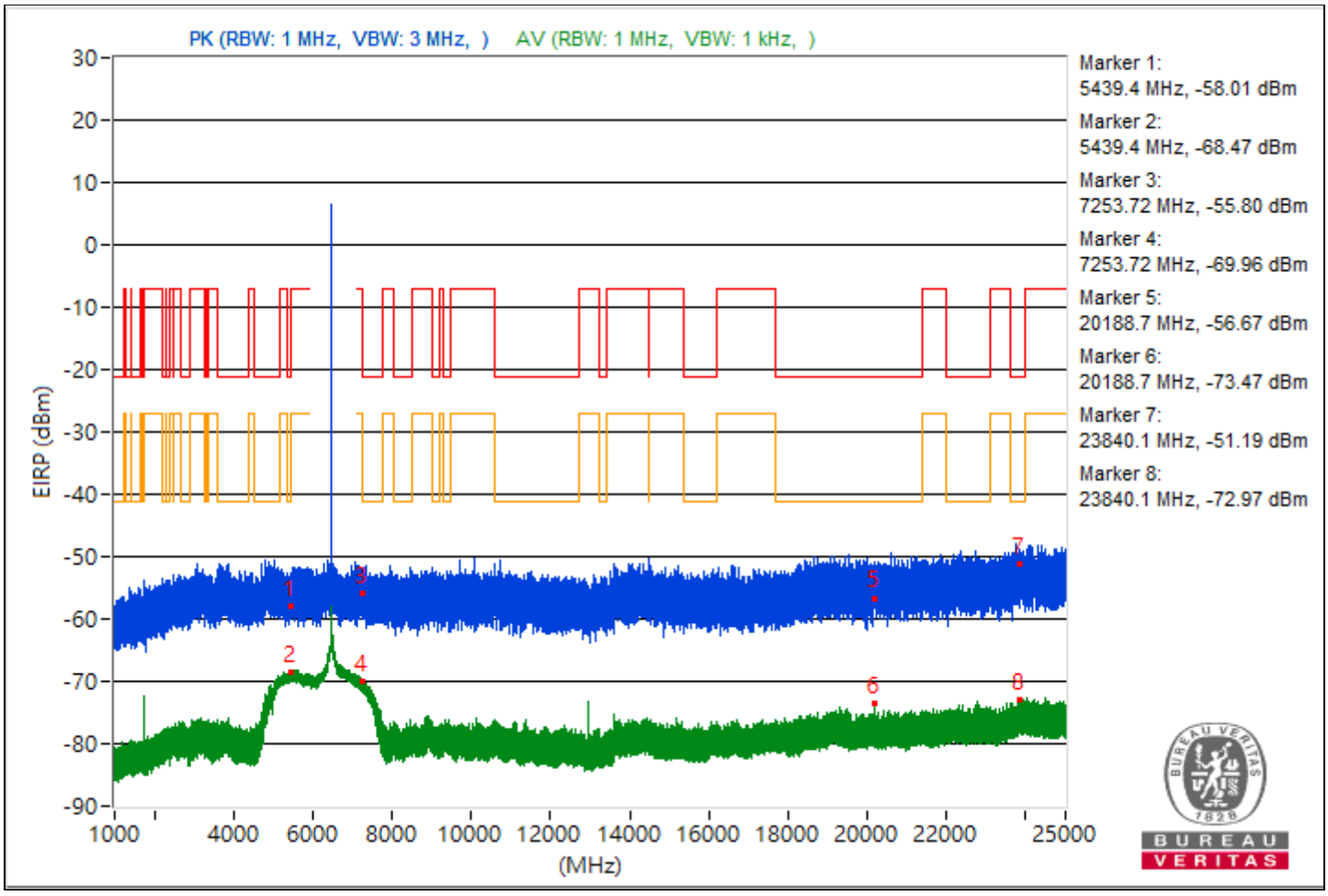


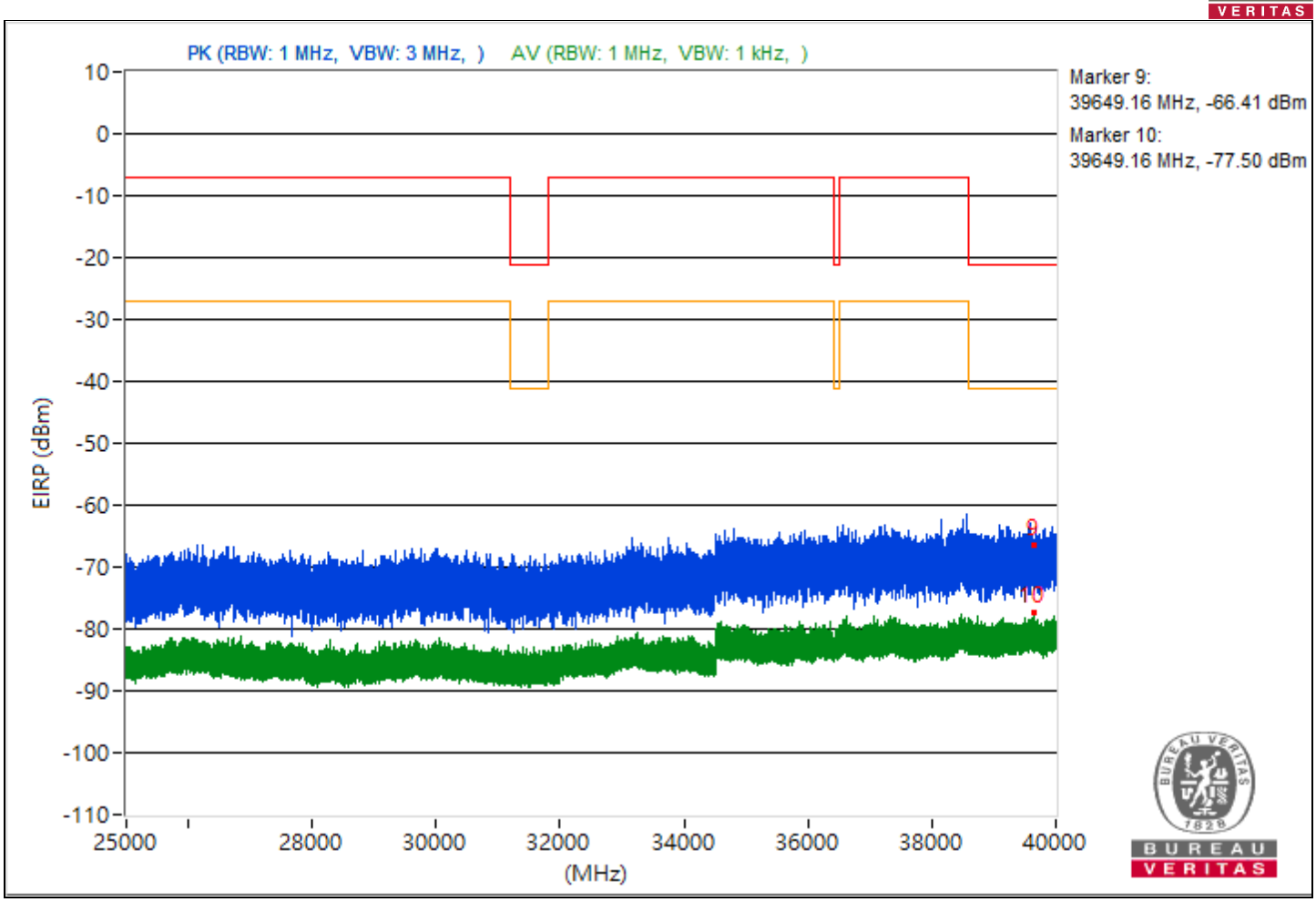

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39977.69 MHz, -71.10 dBm
Marker 10:
39977.69 MHz, -77.86 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT20) | Channel | CH 105：6475 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5439.4 | 37.25 PK | 74 | -36.75 | -63.17 | 5.16 | -58.01 |
| 2 | 5439.4 | 26.79 AV | 54 | -27.21 | -73.63 | 5.16 | -68.47 |
| 3 | 7253.72 | 39.46 PK | 74 | -34.54 | -60.96 | 5.16 | -55.8 |
| 4 | 7253.72 | 25.3 AV | 54 | -28.7 | -75.12 | 5.16 | -69.96 |
| 5 | 20188.7 | 38.59 PK | 74 | -35.41 | -61.83 | 5.16 | -56.67 |
| 6 | 20188.7 | 21.79 AV | 54 | -32.21 | -78.63 | 5.16 | -73.47 |
| 7 | 23840.1 | 44.07 PK | 74 | -29.93 | -56.35 | 5.16 | -51.19 |
| 8 | 23840.1 | 22.29 AV | 54 | -31.71 | -78.13 | 5.16 | -72.97 |
| 9 | 39649.16 | 28.85 PK | 74 | -45.15 | -71.57 | 5.16 | -66.41 |
| 10 | 39649.16 | 17.76 AV | 54 | -36.24 | -82.66 | 5.16 | -77.5 |

Note: Margin value = Emission Level - Limit value

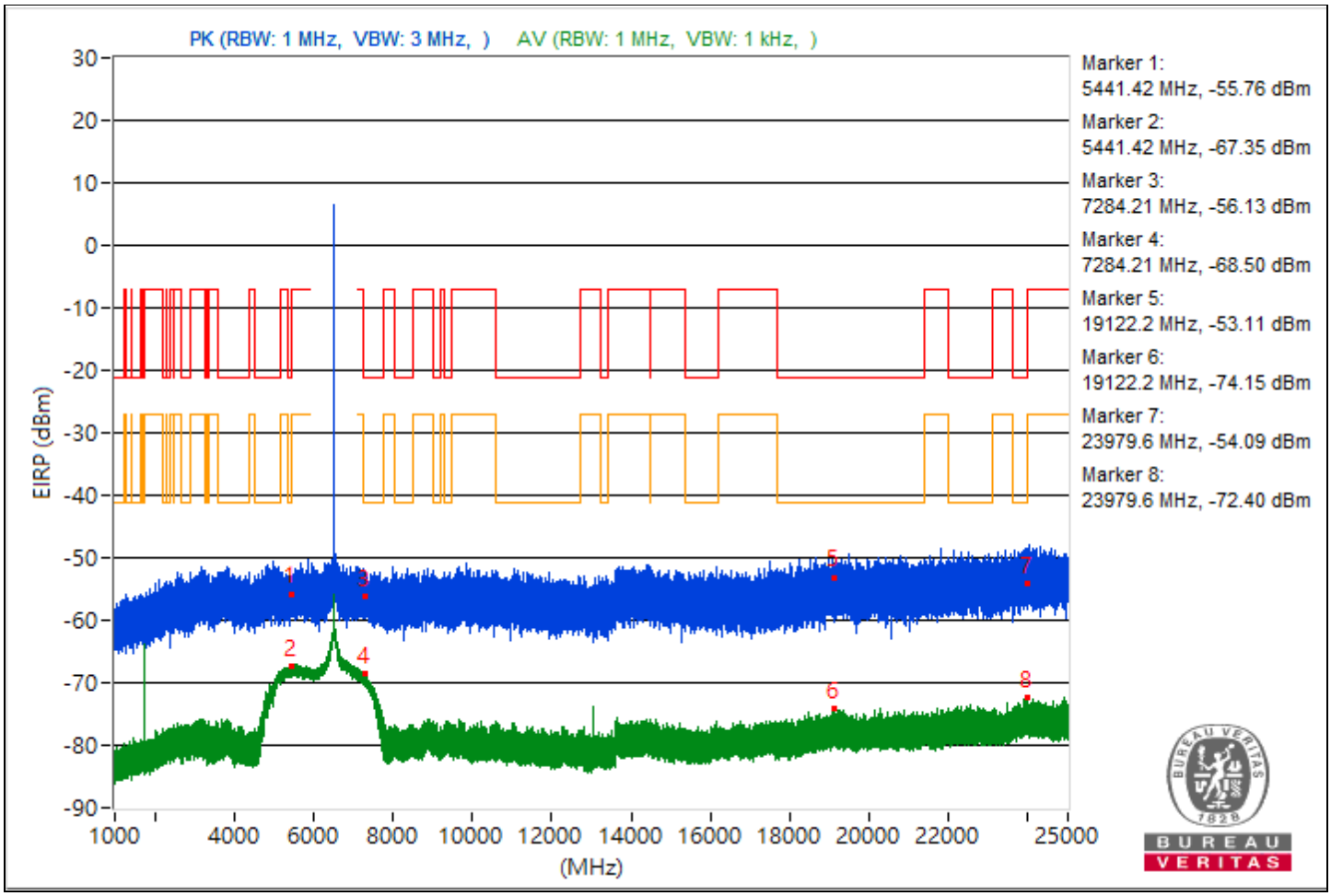



PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39649.16 MHz, -66.41 dBm
Marker 10:
39649.16 MHz, -77.50 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT20) | Channel | CH 113：6515 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5441.42 | 39.5 PK | 74 | -34.5 | -60.92 | 5.16 | -55.76 |
| 2 | 5441.42 | 27.91 AV | 54 | -26.09 | -72.51 | 5.16 | -67.35 |
| 3 | 7284.21 | 39.13 PK | 74 | -34.87 | -61.29 | 5.16 | -56.13 |
| 4 | 7284.21 | 26.76 AV | 54 | -27.24 | -73.66 | 5.16 | -68.5 |
| 5 | 19122.2 | 42.15 PK | 74 | -31.85 | -58.27 | 5.16 | -53.11 |
| 6 | 19122.2 | 21.11 AV | 54 | -32.89 | -79.31 | 5.16 | -74.15 |
| 7 | 23979.6 | 41.17 PK | 74 | -32.83 | -59.25 | 5.16 | -54.09 |
| 8 | 23979.6 | 22.86 AV | 54 | -31.14 | -77.56 | 5.16 | -72.4 |
| 9 | 39314.22 | 26.29 PK | 74 | -47.71 | -74.13 | 5.16 | -68.97 |
| 10 | 39314.22 | 17.55 AV | 54 | -36.45 | -82.87 | 5.16 | -77.71 |

Note: Margin value = Emission Level - Limit value

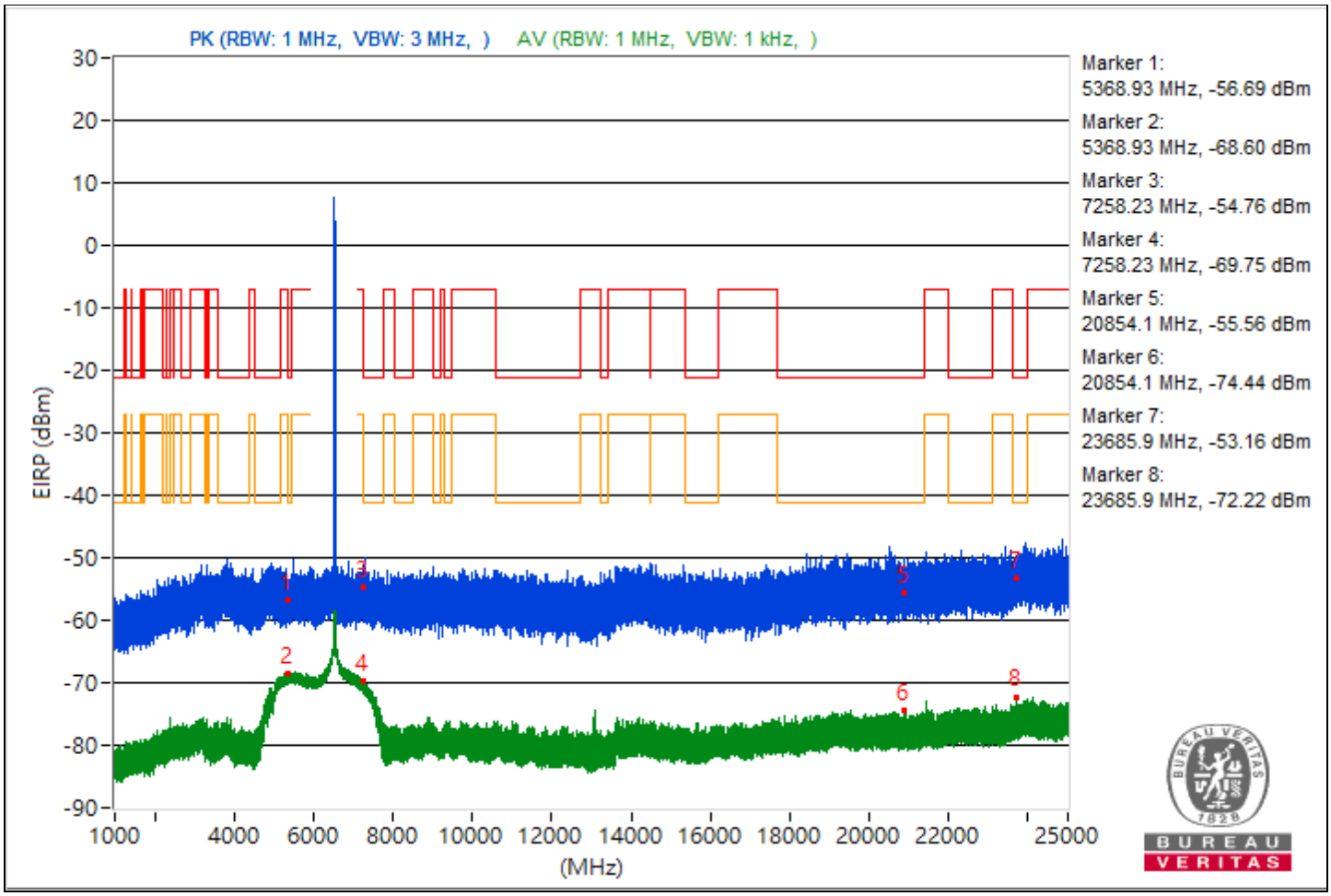


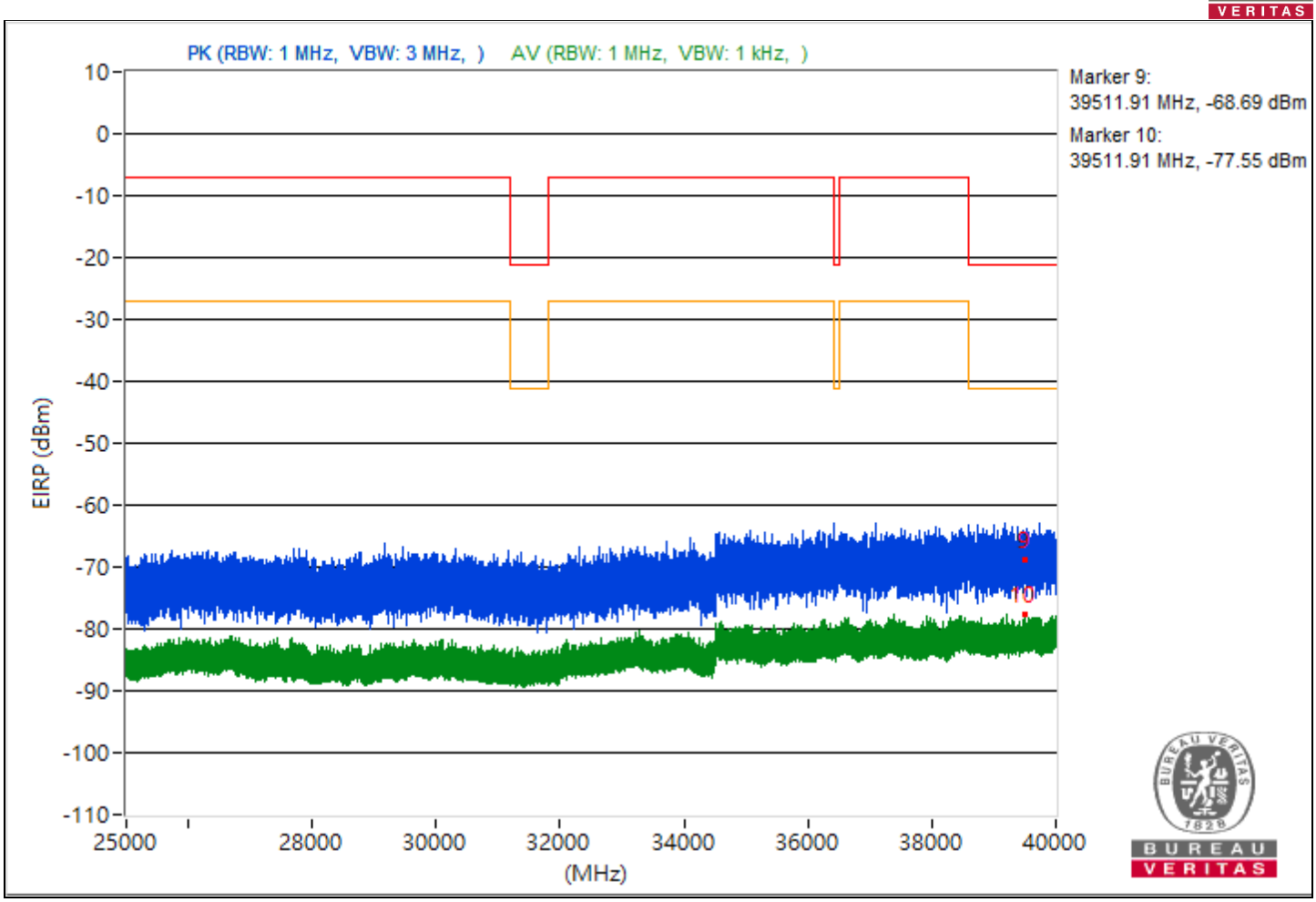

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39314.22 MHz, -68.97 dBm
Marker 10:
39314.22 MHz, -77.71 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT20) | Channel | CH 117：6535 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5368.93 | 38.57 PK | 74 | -35.43 | -61.85 | 5.16 | -56.69 |
| 2 | 5368.93 | 26.66 AV | 54 | -27.34 | -73.76 | 5.16 | -68.6 |
| 3 | 7258.23 | 40.5 PK | 74 | -33.5 | -59.92 | 5.16 | -54.76 |
| 4 | 7258.23 | 25.51 AV | 54 | -28.49 | -74.91 | 5.16 | -69.75 |
| 5 | 20854.1 | 39.7 PK | 74 | -34.3 | -60.72 | 5.16 | -55.56 |
| 6 | 20854.1 | 20.82 AV | 54 | -33.18 | -79.6 | 5.16 | -74.44 |
| 7 | 23685.9 | 42.1 PK | 74 | -31.9 | -58.32 | 5.16 | -53.16 |
| 8 | 23685.9 | 23.04 AV | 54 | -30.96 | -77.38 | 5.16 | -72.22 |
| 9 | 39511.91 | 26.57 PK | 74 | -47.43 | -73.85 | 5.16 | -68.69 |
| 10 | 39511.91 | 17.71 AV | 54 | -36.29 | -82.71 | 5.16 | -77.55 |

Note: Margin value = Emission Level - Limit value

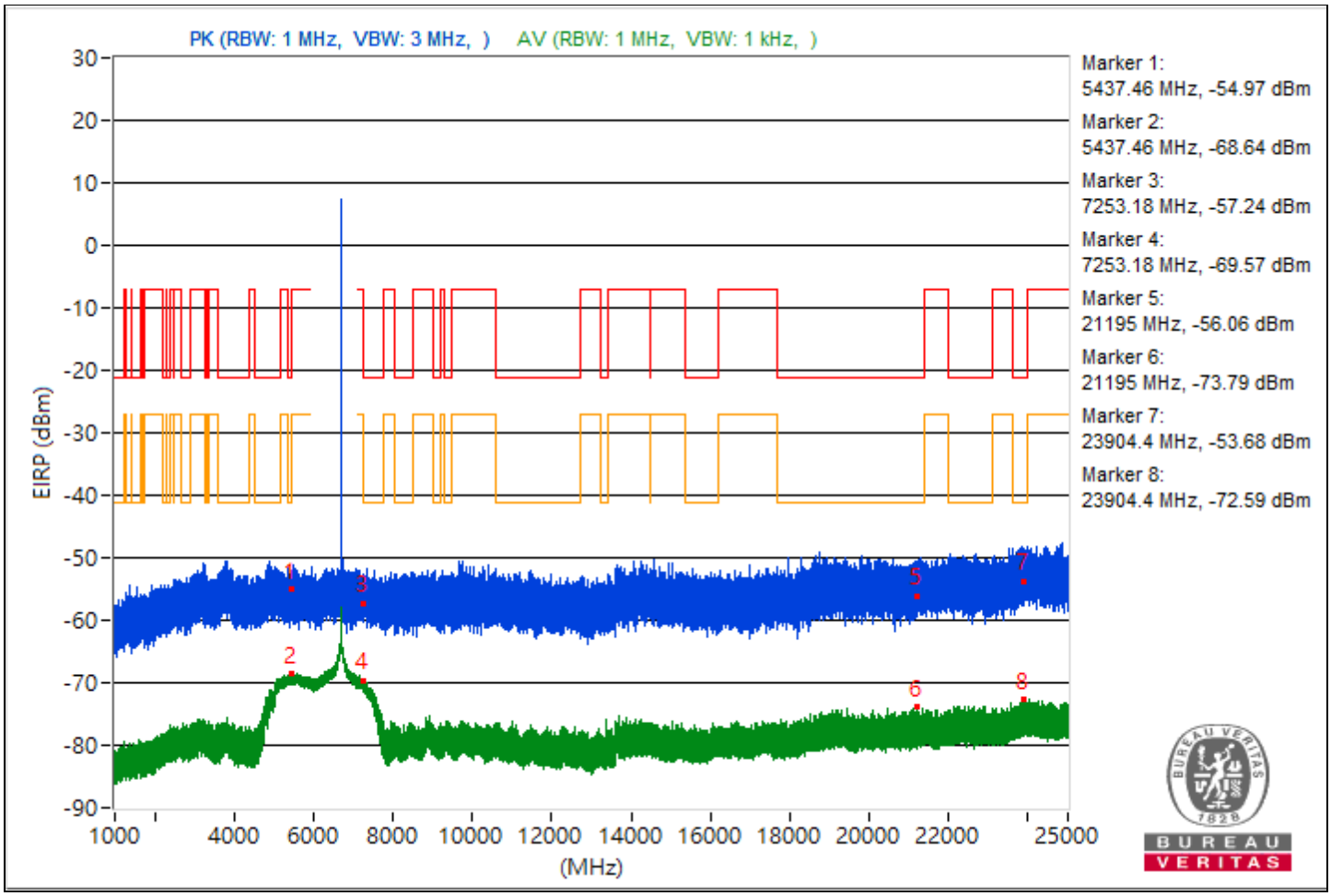


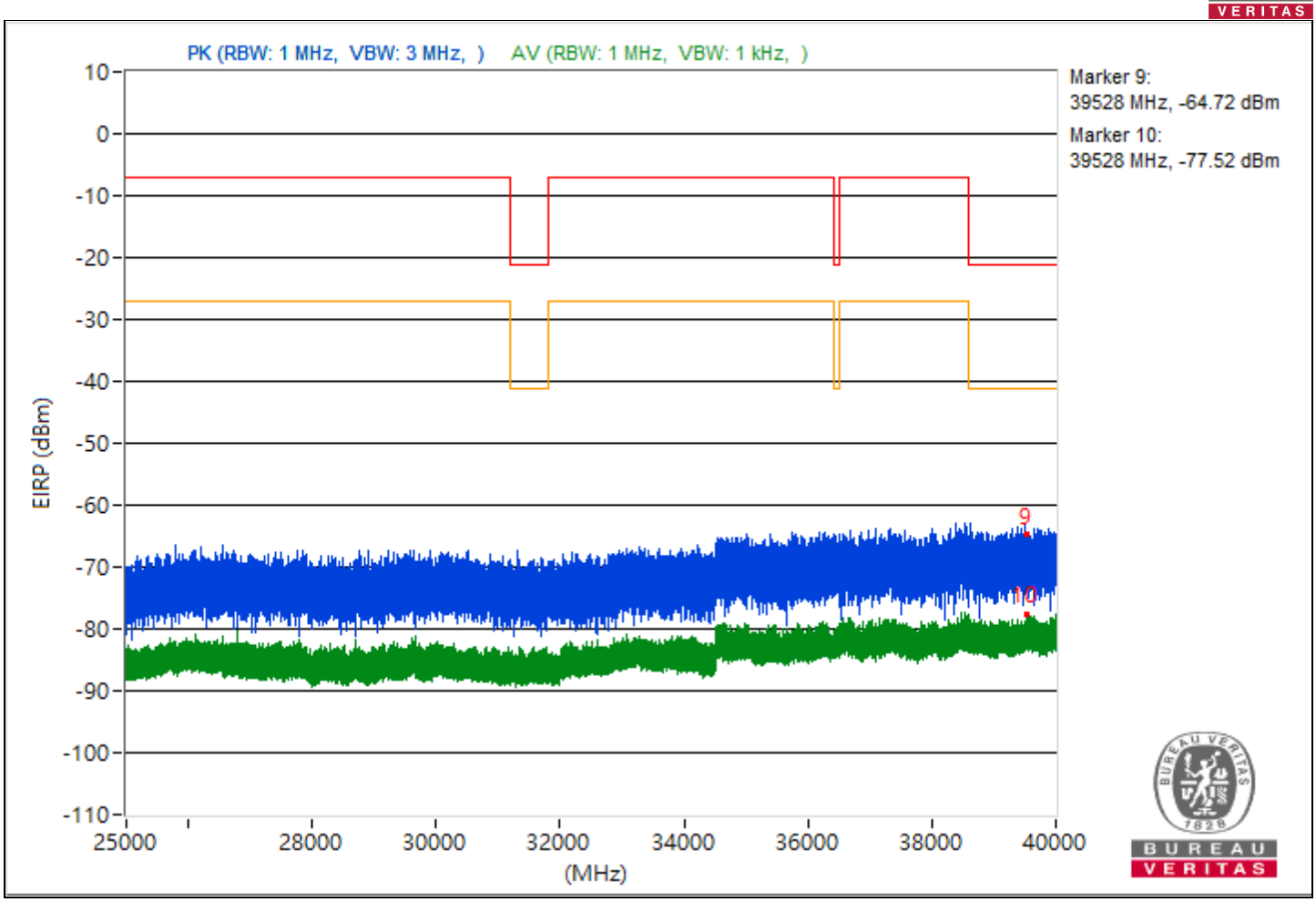

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39511.91 MHz, -68.69 dBm
Marker 10:
39511.91 MHz, -77.55 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT20) | Channel | CH 149：6695 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5437.46 | 40.29 PK | 74 | -33.71 | -60.13 | 5.16 | -54.97 |
| 2 | 5437.46 | 26.62 AV | 54 | -27.38 | -73.8 | 5.16 | -68.64 |
| 3 | 7253.18 | 38.02 PK | 74 | -35.98 | -62.4 | 5.16 | -57.24 |
| 4 | 7253.18 | 25.69 AV | 54 | -28.31 | -74.73 | 5.16 | -69.57 |
| 5 | 21195 | 39.2 PK | 74 | -34.8 | -61.22 | 5.16 | -56.06 |
| 6 | 21195 | 21.47 AV | 54 | -32.53 | -78.95 | 5.16 | -73.79 |
| 7 | 23904.4 | 41.58 PK | 74 | -32.42 | -58.84 | 5.16 | -53.68 |
| 8 | 23904.4 | 22.67 AV | 54 | -31.33 | -77.75 | 5.16 | -72.59 |
| 9 | 39528 | 30.54 PK | 74 | -43.46 | -69.88 | 5.16 | -64.72 |
| 10 | 39528 | 17.74 AV | 54 | -36.26 | -82.68 | 5.16 | -77.52 |

Note: Margin value = Emission Level - Limit value

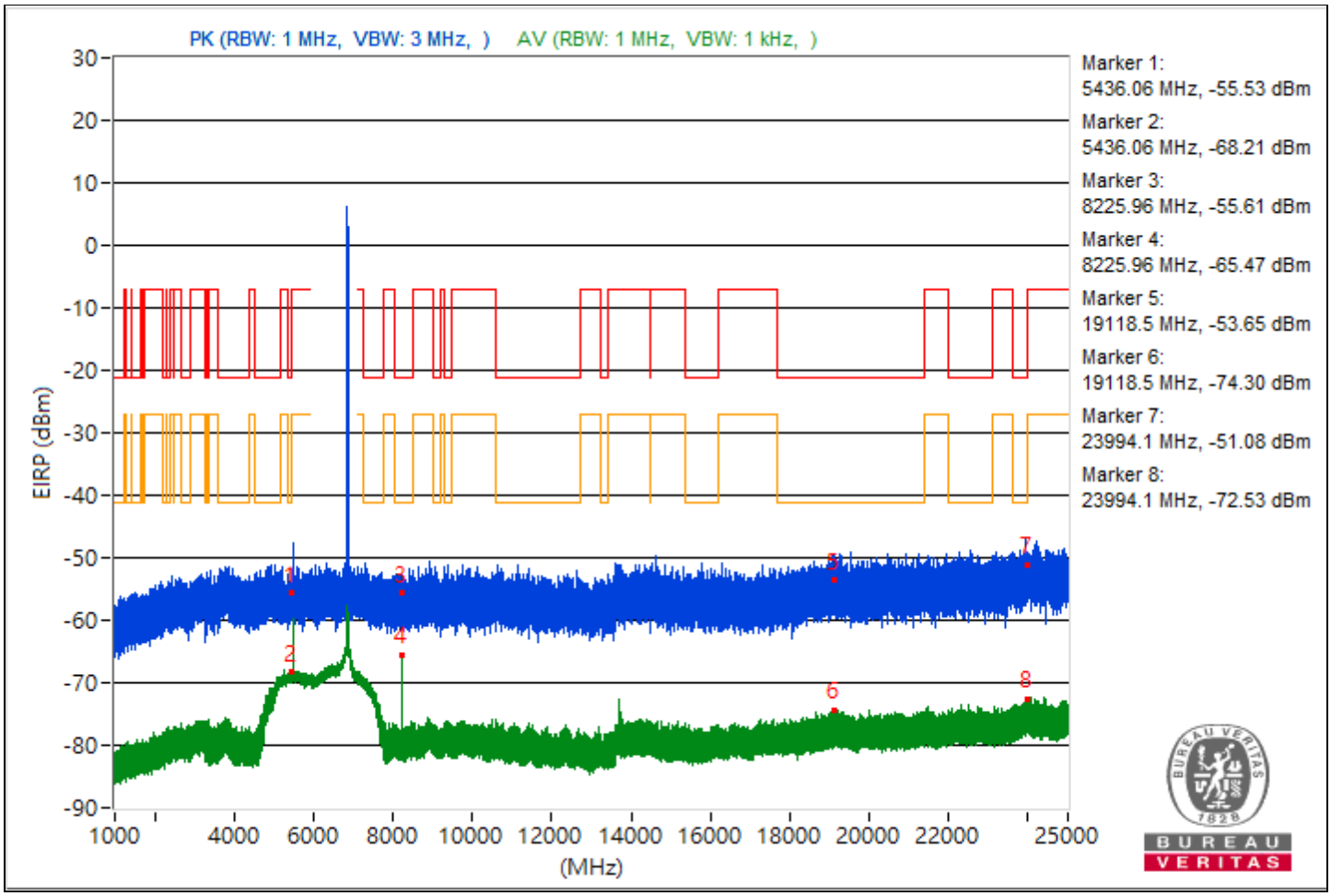


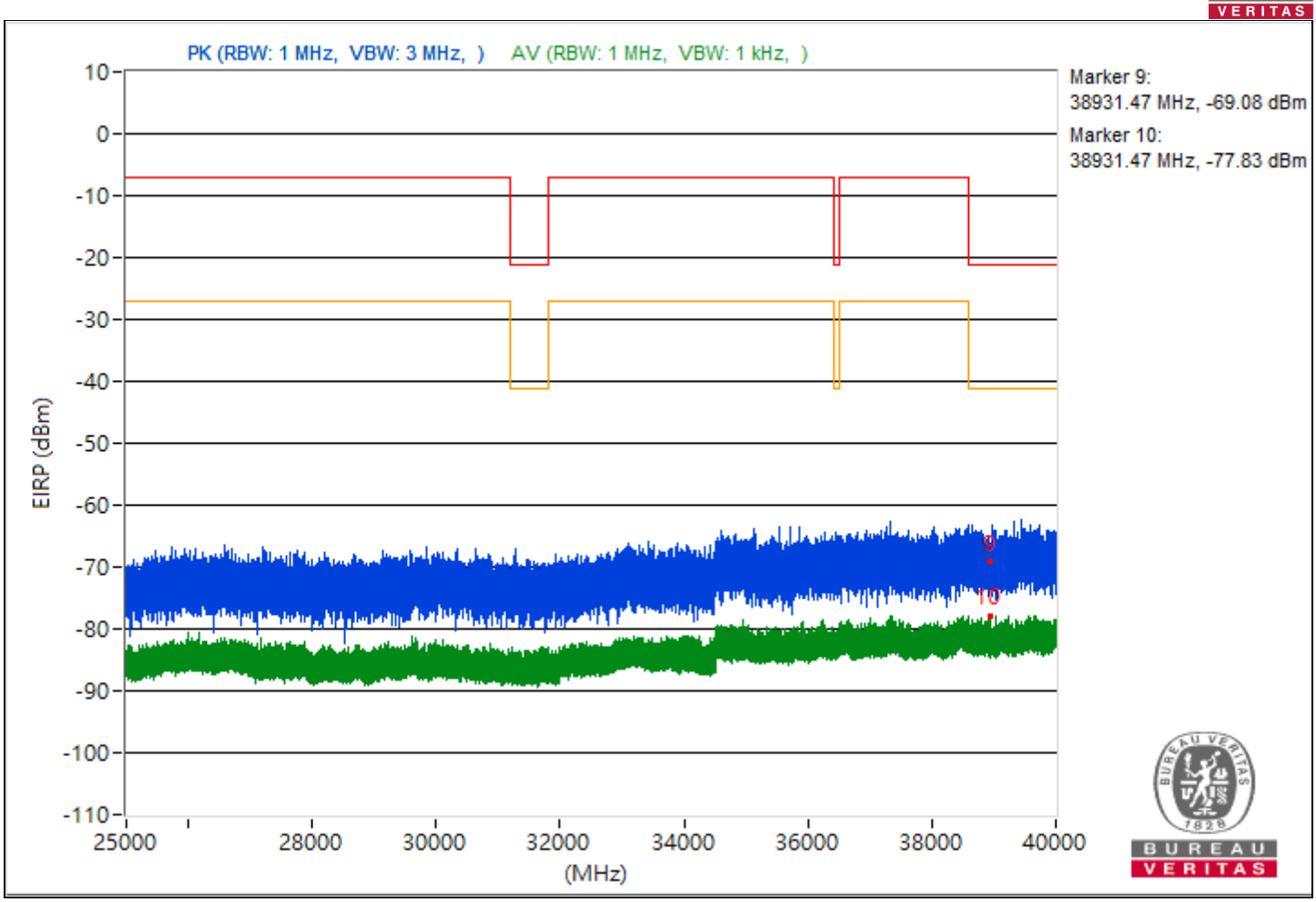

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39528 MHz, -64.72 dBm
Marker 10:
39528 MHz, -77.52 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT20) | Channel | CH 181：6855 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5436.06 | 39.73 PK | 74 | -34.27 | -60.69 | 5.16 | -55.53 |
| 2 | 5436.06 | 27.05 AV | 54 | -26.95 | -73.37 | 5.16 | -68.21 |
| 3 | 8225.96 | 39.65 PK | 74 | -34.35 | -60.77 | 5.16 | -55.61 |
| 4 | 8225.96 | 29.79 AV | 54 | -24.21 | -70.63 | 5.16 | -65.47 |
| 5 | 19118.5 | 41.61 PK | 74 | -32.39 | -58.81 | 5.16 | -53.65 |
| 6 | 19118.5 | 20.96 AV | 54 | -33.04 | -79.46 | 5.16 | -74.3 |
| 7 | 23994.1 | 44.18 PK | 74 | -29.82 | -56.24 | 5.16 | -51.08 |
| 8 | 23994.1 | 22.73 AV | 54 | -31.27 | -77.69 | 5.16 | -72.53 |
| 9 | 38931.47 | 26.18 PK | 74 | -47.82 | -74.24 | 5.16 | -69.08 |
| 10 | 38931.47 | 17.43 AV | 54 | -36.57 | -82.99 | 5.16 | -77.83 |

Note: Margin value = Emission Level - Limit value

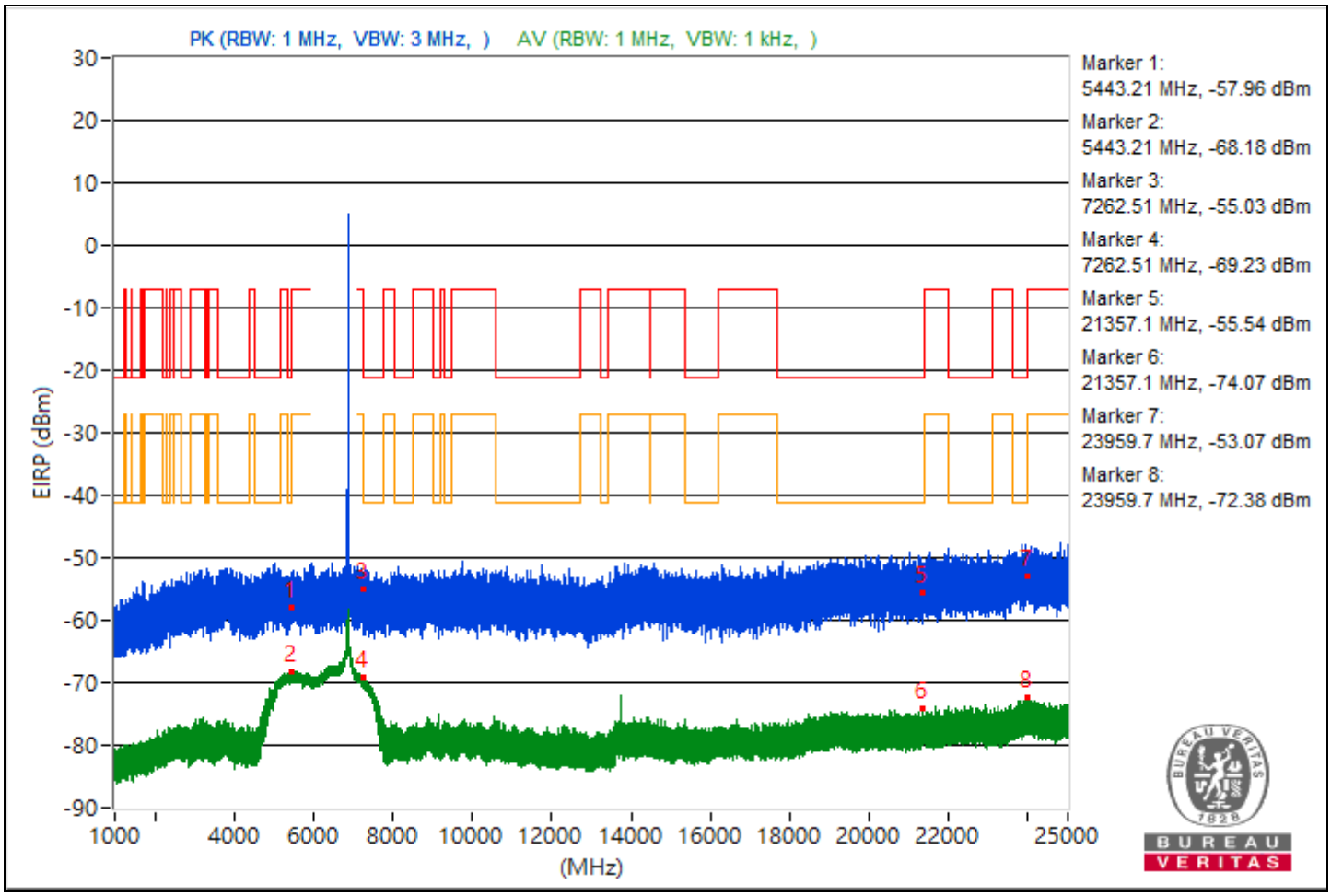


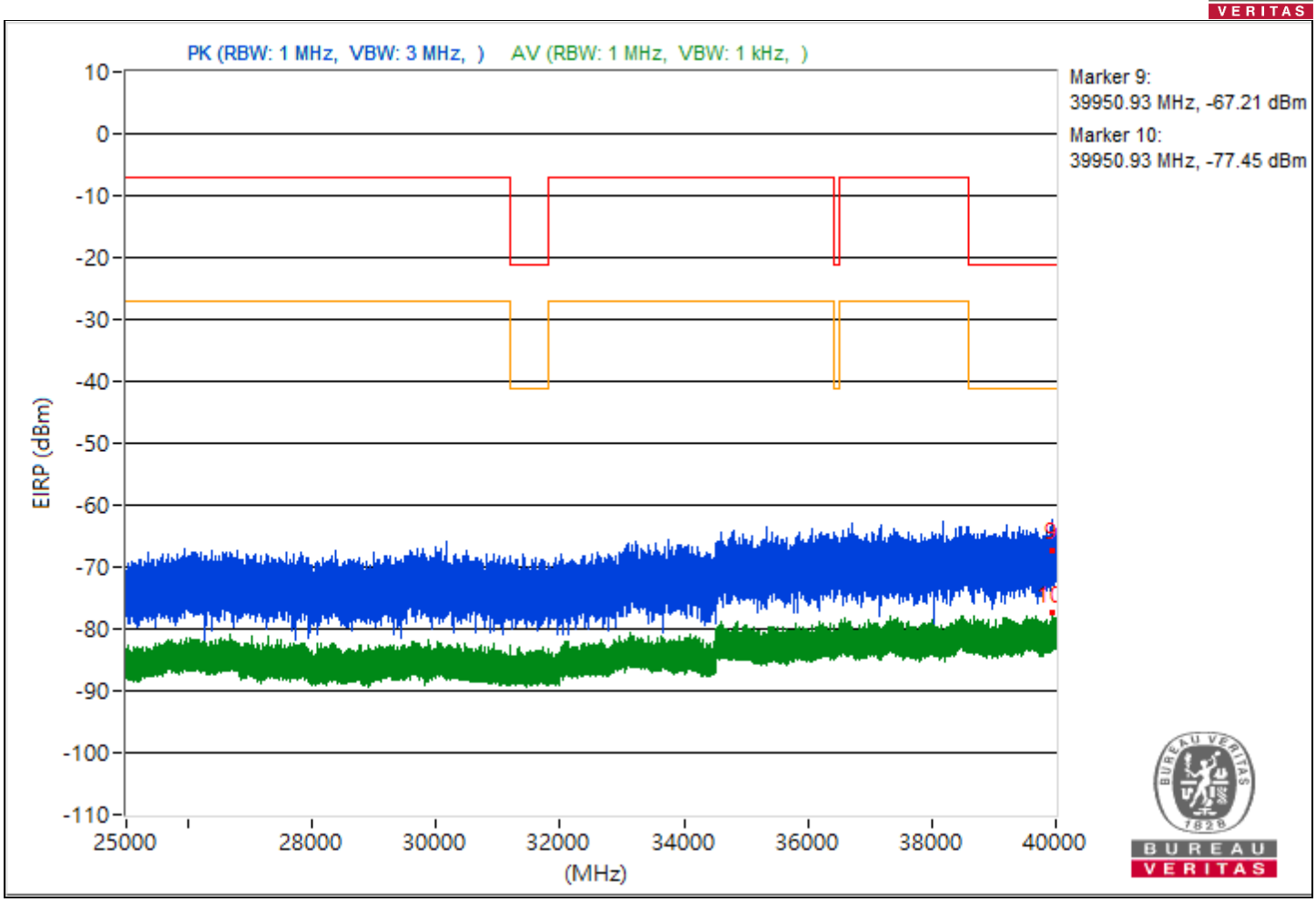

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
38931.47 MHz, -69.08 dBm
Marker 10:
38931.47 MHz, -77.83 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT20) | Channel | CH 185：6875 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5443.21 | 37.3 PK | 74 | -36.7 | -63.12 | 5.16 | -57.96 |
| 2 | 5443.21 | 27.08 AV | 54 | -26.92 | -73.34 | 5.16 | -68.18 |
| 3 | 7262.51 | 40.23 PK | 74 | -33.77 | -60.19 | 5.16 | -55.03 |
| 4 | 7262.51 | 26.03 AV | 54 | -27.97 | -74.39 | 5.16 | -69.23 |
| 5 | 21357.1 | 39.72 PK | 74 | -34.28 | -60.7 | 5.16 | -55.54 |
| 6 | 21357.1 | 21.19 AV | 54 | -32.81 | -79.23 | 5.16 | -74.07 |
| 7 | 23959.7 | 42.19 PK | 74 | -31.81 | -58.23 | 5.16 | -53.07 |
| 8 | 23959.7 | 22.88 AV | 54 | -31.12 | -77.54 | 5.16 | -72.38 |
| 9 | 39950.93 | 28.05 PK | 74 | -45.95 | -72.37 | 5.16 | -67.21 |
| 10 | 39950.93 | 17.81 AV | 54 | -36.19 | -82.61 | 5.16 | -77.45 |

Note: Margin value = Emission Level - Limit value

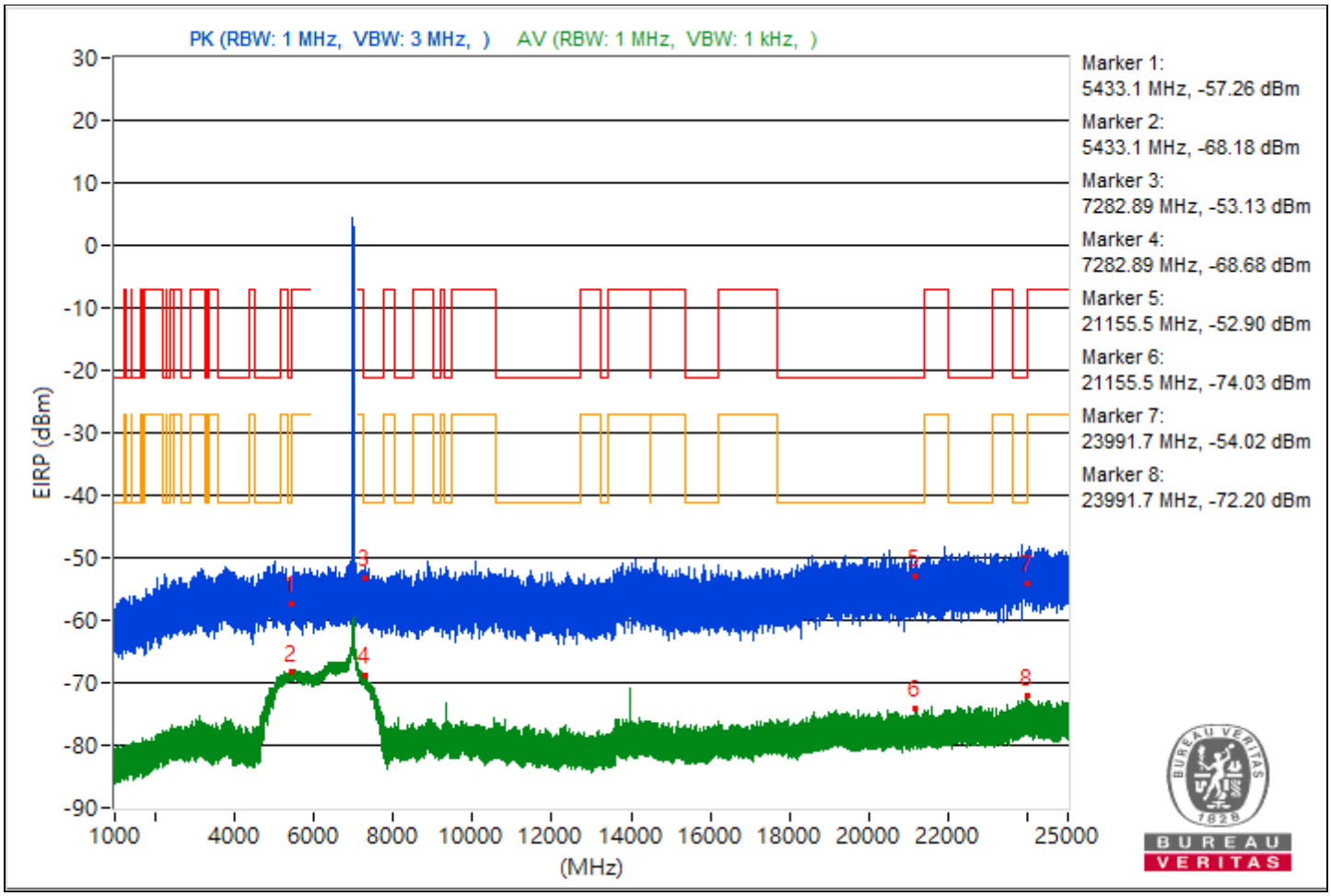


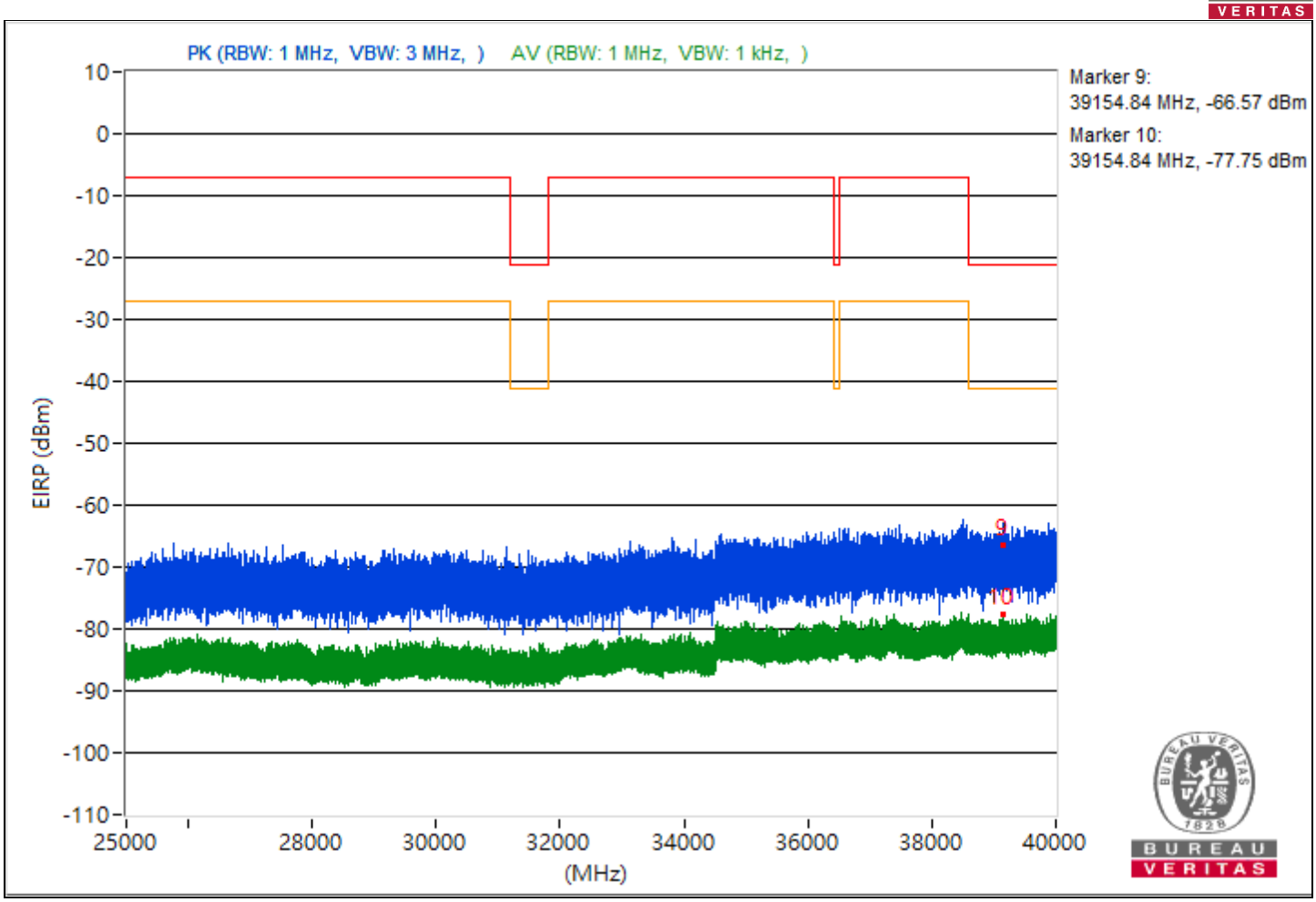

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39950.93 MHz, -67.21 dBm
Marker 10:
39950.93 MHz, -77.45 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT20) | Channel | CH 209：6995 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5433.1 | 38 PK | 74 | -36 | -62.42 | 5.16 | -57.26 |
| 2 | 5433.1 | 27.08 AV | 54 | -26.92 | -73.34 | 5.16 | -68.18 |
| 3 | 7282.89 | 42.13 PK | 74 | -31.87 | -58.29 | 5.16 | -53.13 |
| 4 | 7282.89 | 26.58 AV | 54 | -27.42 | -73.84 | 5.16 | -68.68 |
| 5 | 21155.5 | 42.36 PK | 74 | -31.64 | -58.06 | 5.16 | -52.9 |
| 6 | 21155.5 | 21.23 AV | 54 | -32.77 | -79.19 | 5.16 | -74.03 |
| 7 | 23991.7 | 41.24 PK | 74 | -32.76 | -59.18 | 5.16 | -54.02 |
| 8 | 23991.7 | 23.06 AV | 54 | -30.94 | -77.36 | 5.16 | -72.2 |
| 9 | 39154.84 | 28.69 PK | 74 | -45.31 | -71.73 | 5.16 | -66.57 |
| 10 | 39154.84 | 17.51 AV | 54 | -36.49 | -82.91 | 5.16 | -77.75 |

Note: Margin value = Emission Level - Limit value

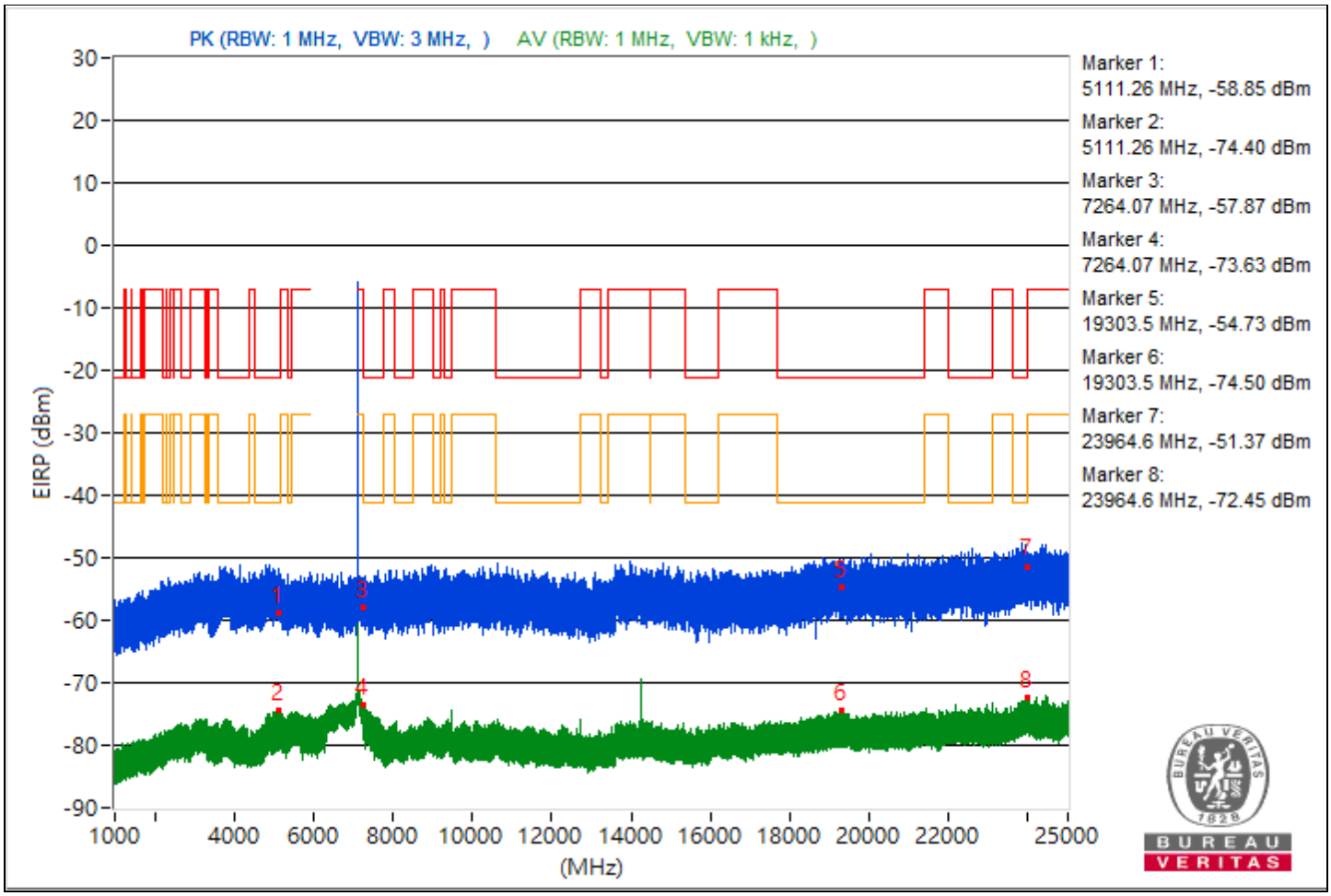


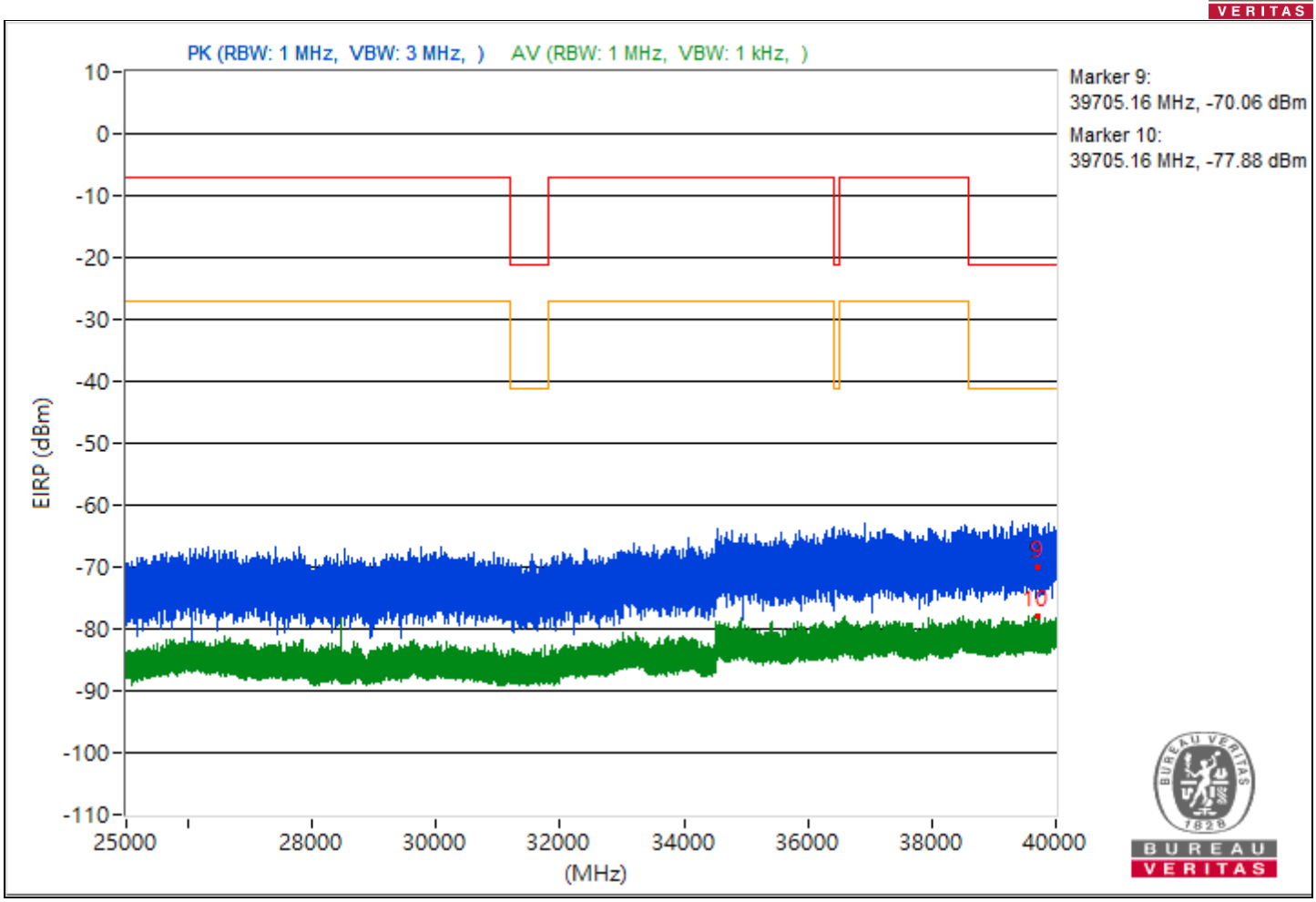

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39154.84 MHz, -66.57 dBm
Marker 10:
39154.84 MHz, -77.75 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT20) | Channel | CH 233：7115 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5111.26 | 36.41 PK | 74 | -37.59 | -64.01 | 5.16 | -58.85 |
| 2 | 5111.26 | 20.86 AV | 54 | -33.14 | -79.56 | 5.16 | -74.4 |
| 3 | 7264.07 | 37.39 PK | 74 | -36.61 | -63.03 | 5.16 | -57.87 |
| 4 | 7264.07 | 21.63 AV | 54 | -32.37 | -78.79 | 5.16 | -73.63 |
| 5 | 19303.5 | 40.53 PK | 74 | -33.47 | -59.89 | 5.16 | -54.73 |
| 6 | 19303.5 | 20.76 AV | 54 | -33.24 | -79.66 | 5.16 | -74.5 |
| 7 | 23964.6 | 43.89 PK | 74 | -30.11 | -56.53 | 5.16 | -51.37 |
| 8 | 23964.6 | 22.81 AV | 54 | -31.19 | -77.61 | 5.16 | -72.45 |
| 9 | 39705.16 | 25.2 PK | 74 | -48.8 | -75.22 | 5.16 | -70.06 |
| 10 | 39705.16 | 17.38 AV | 54 | -36.62 | -83.04 | 5.16 | -77.88 |

Note: Margin value = Emission Level - Limit value

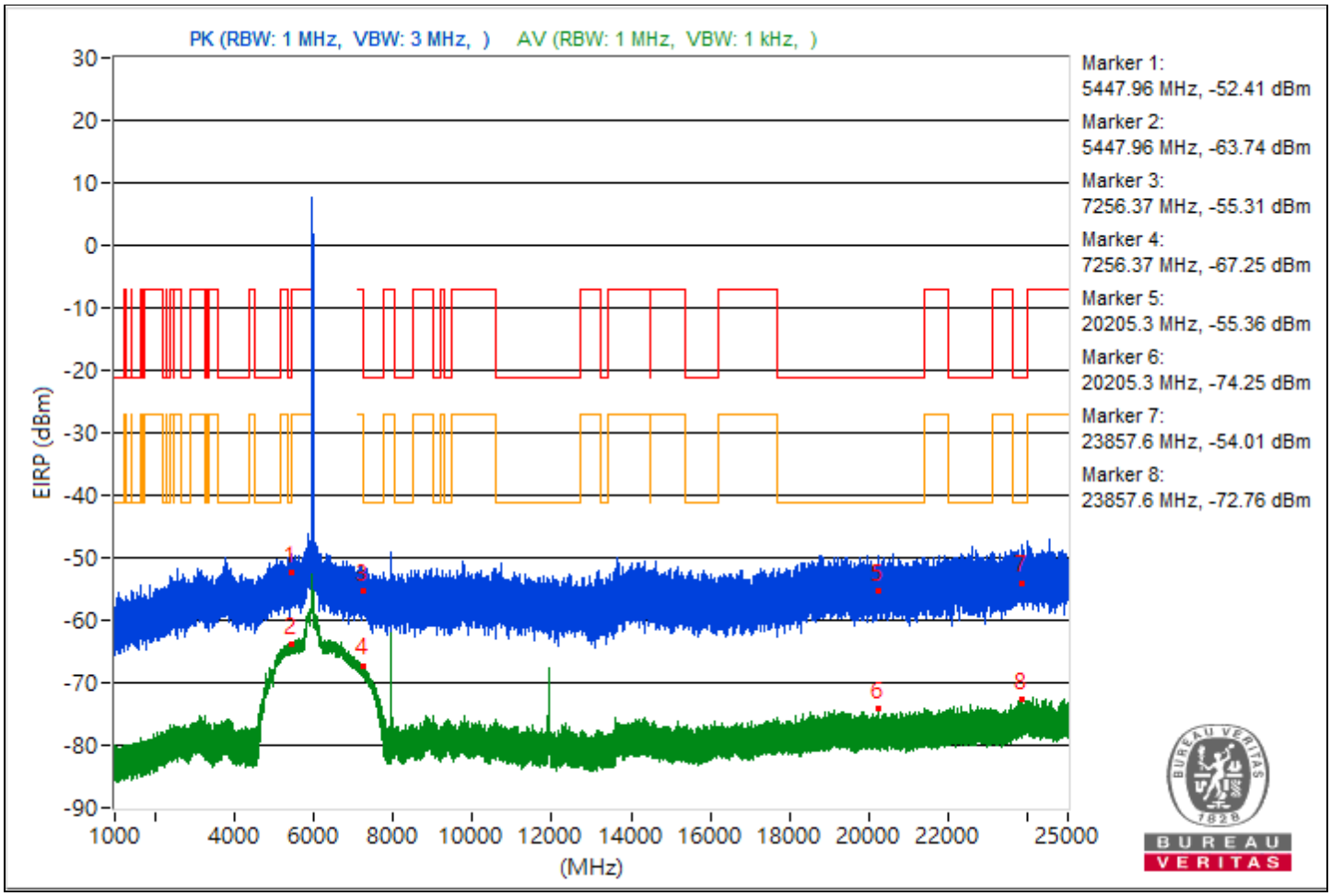


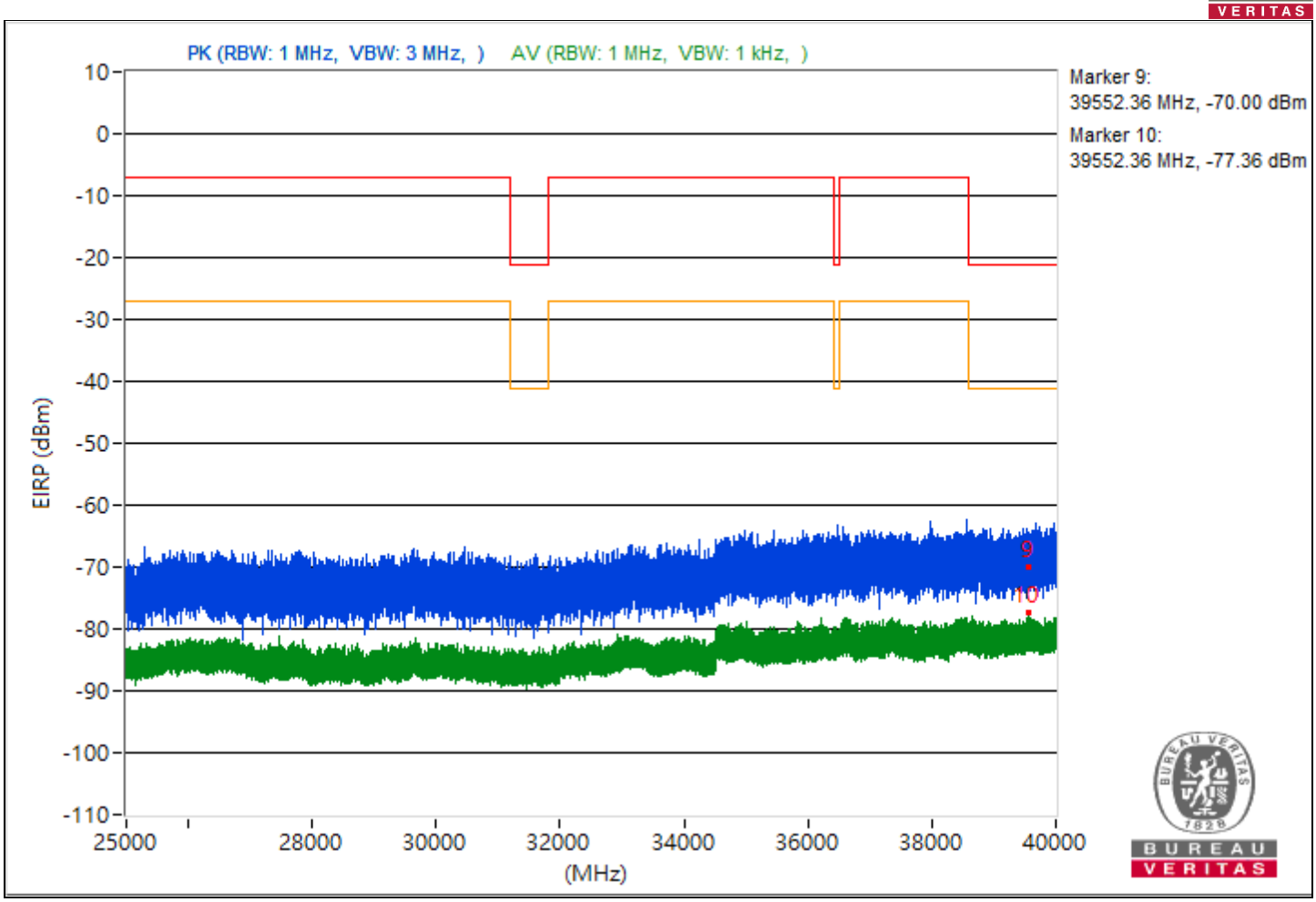

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39705.16 MHz, -70.06 dBm
Marker 10:
39705.16 MHz, -77.88 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT40) | Channel | CH 3：5965 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5447.96 | 42.85 PK | 74 | -31.15 | -57.57 | 5.16 | -52.41 |
| 2 | 5447.96 | 31.52 AV | 54 | -22.48 | -68.9 | 5.16 | -63.74 |
| 3 | 7256.37 | 39.95 PK | 74 | -34.05 | -60.47 | 5.16 | -55.31 |
| 4 | 7256.37 | 28.01 AV | 54 | -25.99 | -72.41 | 5.16 | -67.25 |
| 5 | 20205.3 | 39.9 PK | 74 | -34.1 | -60.52 | 5.16 | -55.36 |
| 6 | 20205.3 | 21.01 AV | 54 | -32.99 | -79.41 | 5.16 | -74.25 |
| 7 | 23857.6 | 41.25 PK | 74 | -32.75 | -59.17 | 5.16 | -54.01 |
| 8 | 23857.6 | 22.5 AV | 54 | -31.5 | -77.92 | 5.16 | -72.76 |
| 9 | 39552.36 | 25.26 PK | 74 | -48.74 | -75.16 | 5.16 | -70 |
| 10 | 39552.36 | 17.9 AV | 54 | -36.1 | -82.52 | 5.16 | -77.36 |

Note: Margin value = Emission Level - Limit value

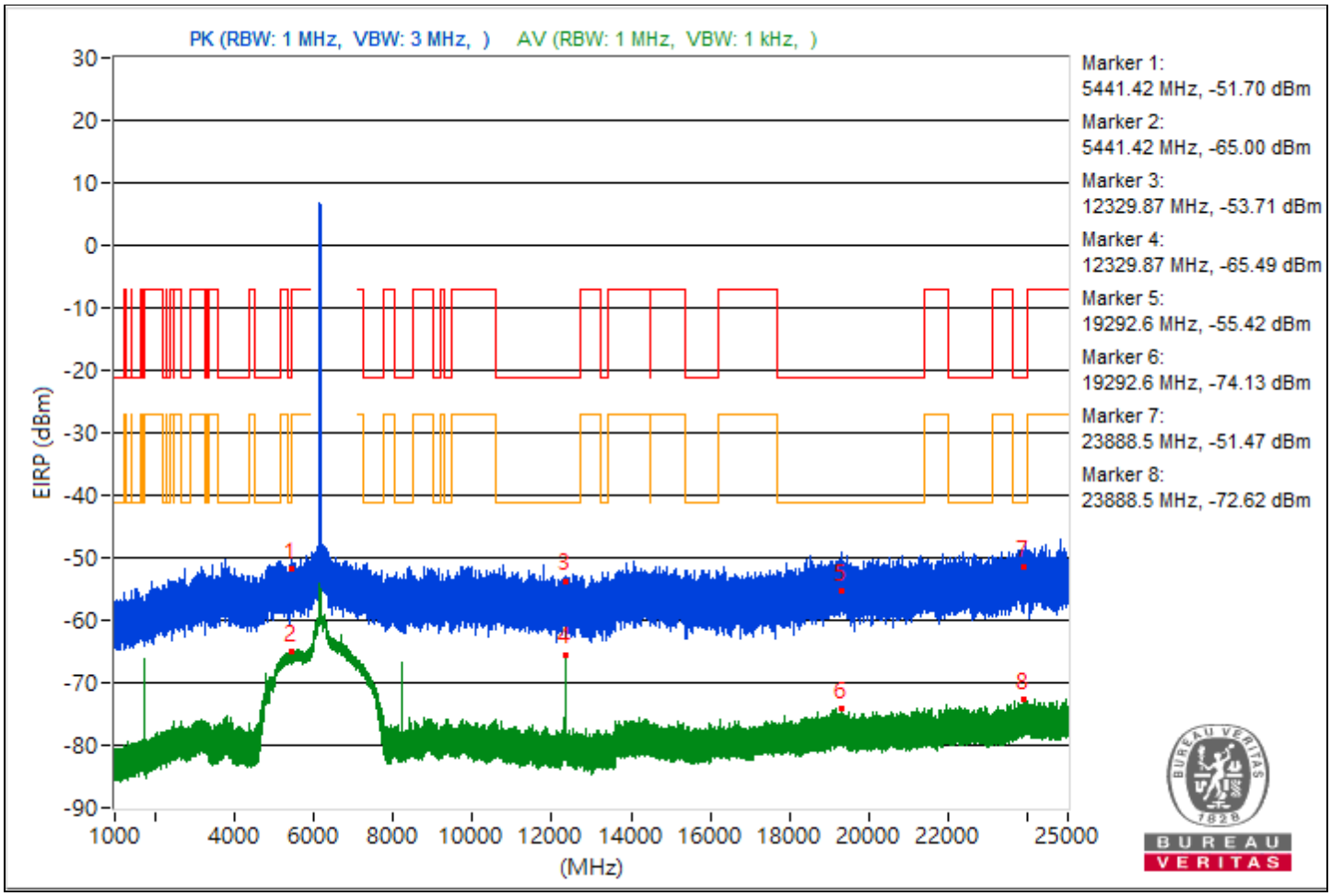


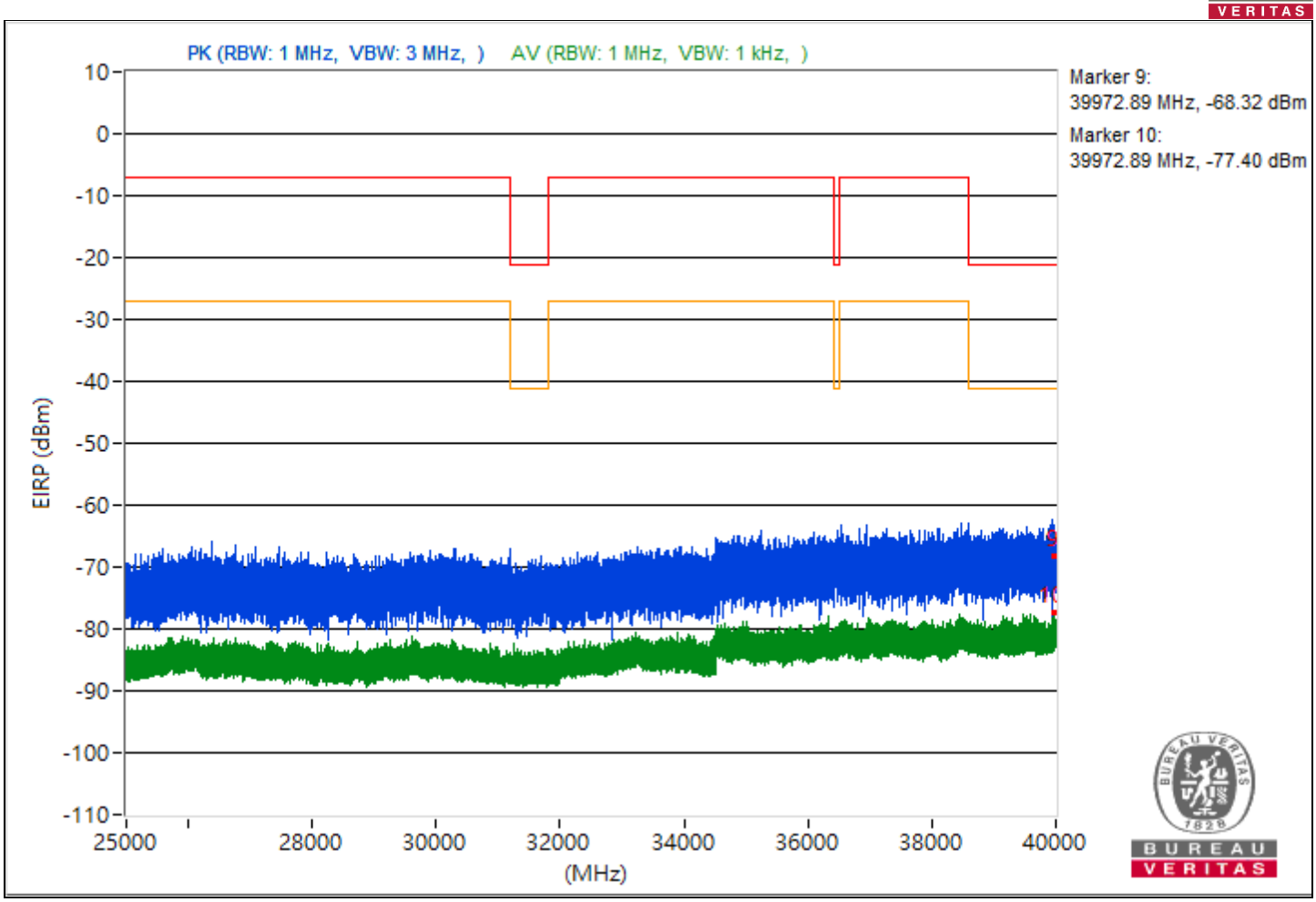

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39552.36 MHz, -70.00 dBm
Marker 10:
39552.36 MHz, -77.36 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT40) | Channel | CH 43：6165 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5441.42 | 43.56 PK | 74 | -30.44 | -56.86 | 5.16 | -51.7 |
| 2 | 5441.42 | 30.26 AV | 54 | -23.74 | -70.16 | 5.16 | -65 |
| 3 | 12329.87 | 41.55 PK | 74 | -32.45 | -58.87 | 5.16 | -53.71 |
| 4 | 12329.87 | 29.77 AV | 54 | -24.23 | -70.65 | 5.16 | -65.49 |
| 5 | 19292.6 | 39.84 PK | 74 | -34.16 | -60.58 | 5.16 | -55.42 |
| 6 | 19292.6 | 21.13 AV | 54 | -32.87 | -79.29 | 5.16 | -74.13 |
| 7 | 23888.5 | 43.79 PK | 74 | -30.21 | -56.63 | 5.16 | -51.47 |
| 8 | 23888.5 | 22.64 AV | 54 | -31.36 | -77.78 | 5.16 | -72.62 |
| 9 | 39972.89 | 26.94 PK | 74 | -47.06 | -73.48 | 5.16 | -68.32 |
| 10 | 39972.89 | 17.86 AV | 54 | -36.14 | -82.56 | 5.16 | -77.4 |

Note: Margin value = Emission Level - Limit value

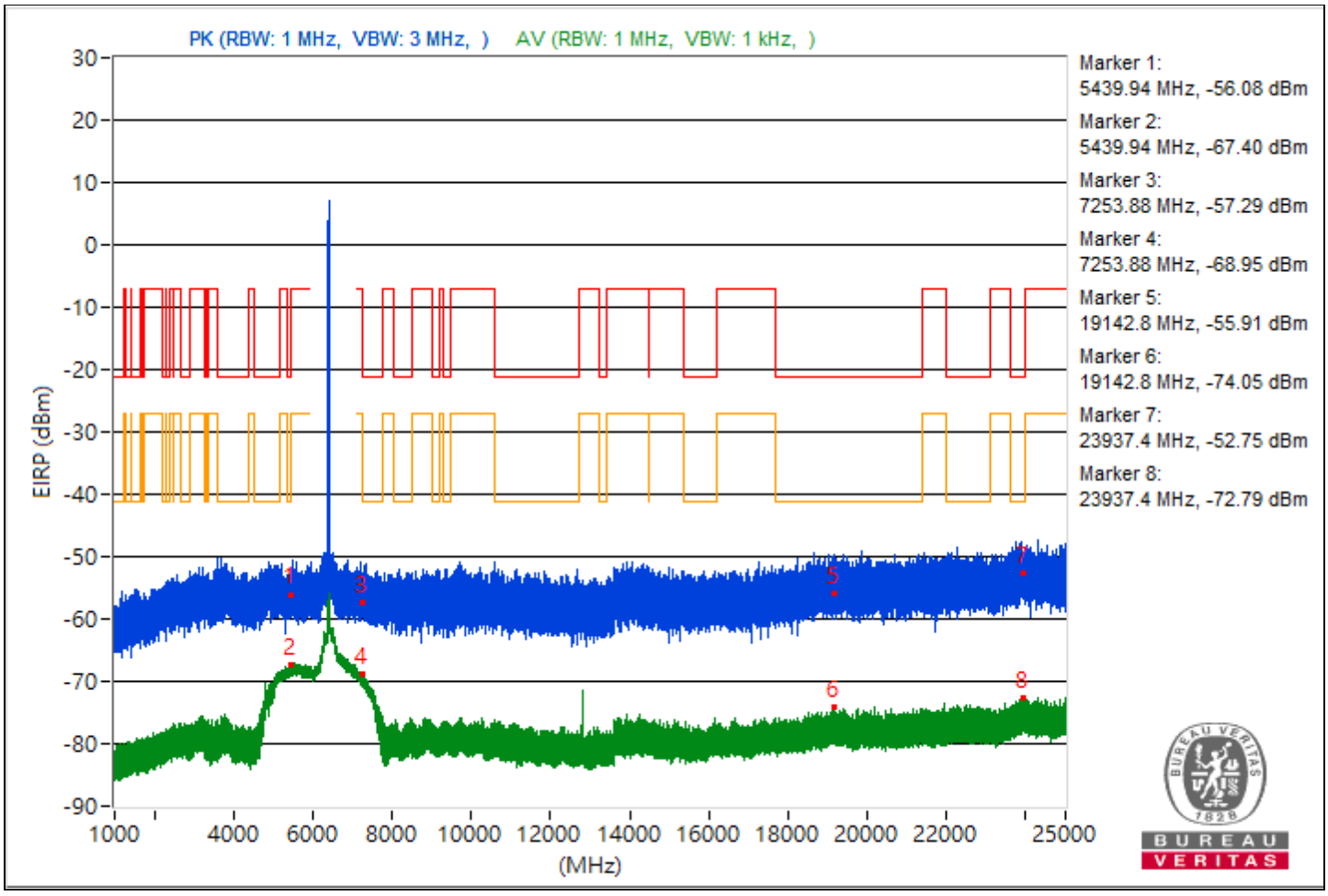


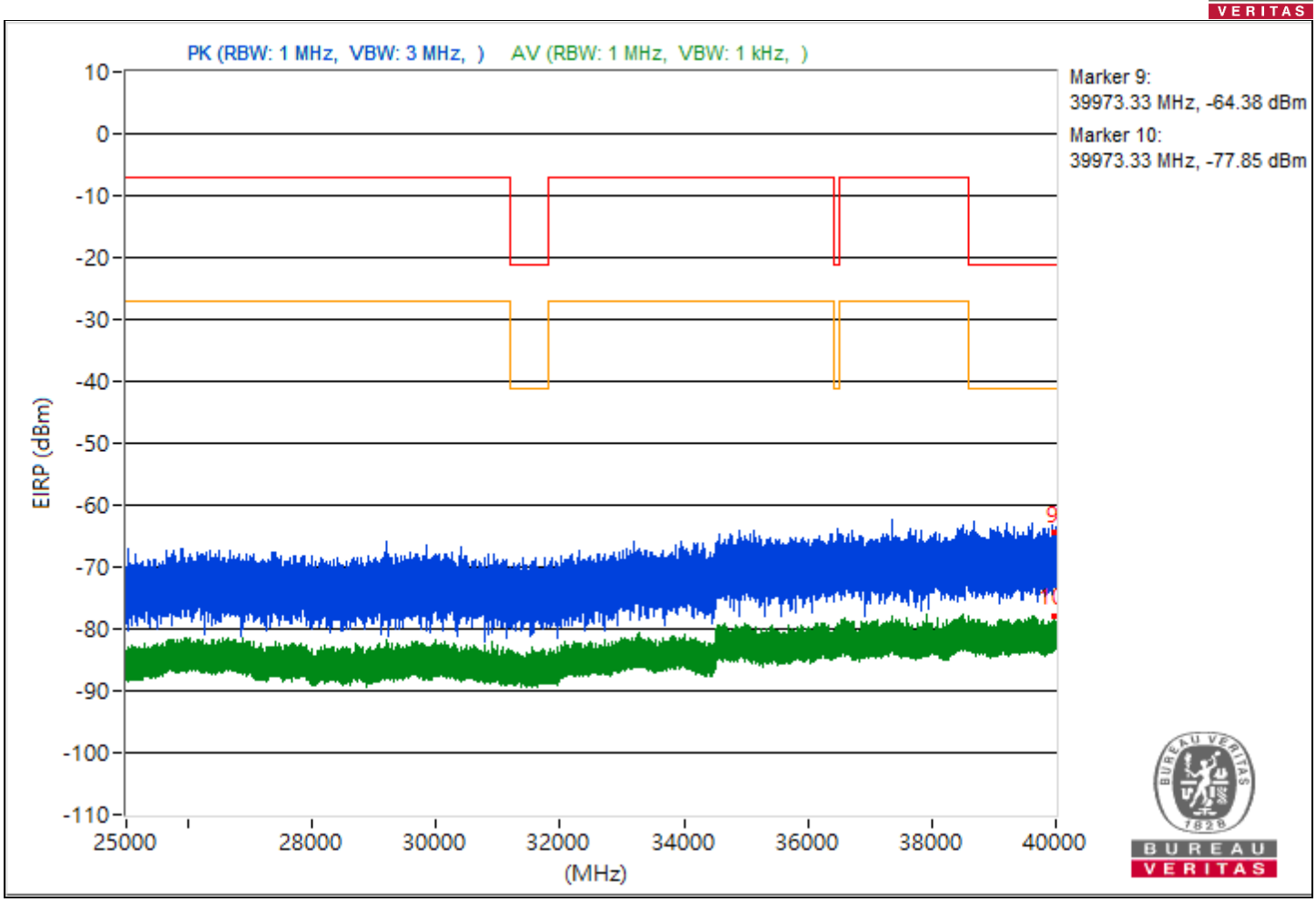

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39972.89 MHz, -68.32 dBm
Marker 10:
39972.89 MHz, -77.40 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT40) | Channel | CH 91：6405 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5439.94 | 39.18 PK | 74 | -34.82 | -61.24 | 5.16 | -56.08 |
| 2 | 5439.94 | 27.86 AV | 54 | -26.14 | -72.56 | 5.16 | -67.4 |
| 3 | 7253.88 | 37.97 PK | 74 | -36.03 | -62.45 | 5.16 | -57.29 |
| 4 | 7253.88 | 26.31 AV | 54 | -27.69 | -74.11 | 5.16 | -68.95 |
| 5 | 19142.8 | 39.35 PK | 74 | -34.65 | -61.07 | 5.16 | -55.91 |
| 6 | 19142.8 | 21.21 AV | 54 | -32.79 | -79.21 | 5.16 | -74.05 |
| 7 | 23937.4 | 42.51 PK | 74 | -31.49 | -57.91 | 5.16 | -52.75 |
| 8 | 23937.4 | 22.47 AV | 54 | -31.53 | -77.95 | 5.16 | -72.79 |
| 9 | 39973.33 | 30.88 PK | 74 | -43.12 | -69.54 | 5.16 | -64.38 |
| 10 | 39973.33 | 17.41 AV | 54 | -36.59 | -83.01 | 5.16 | -77.85 |

Note: Margin value = Emission Level - Limit value

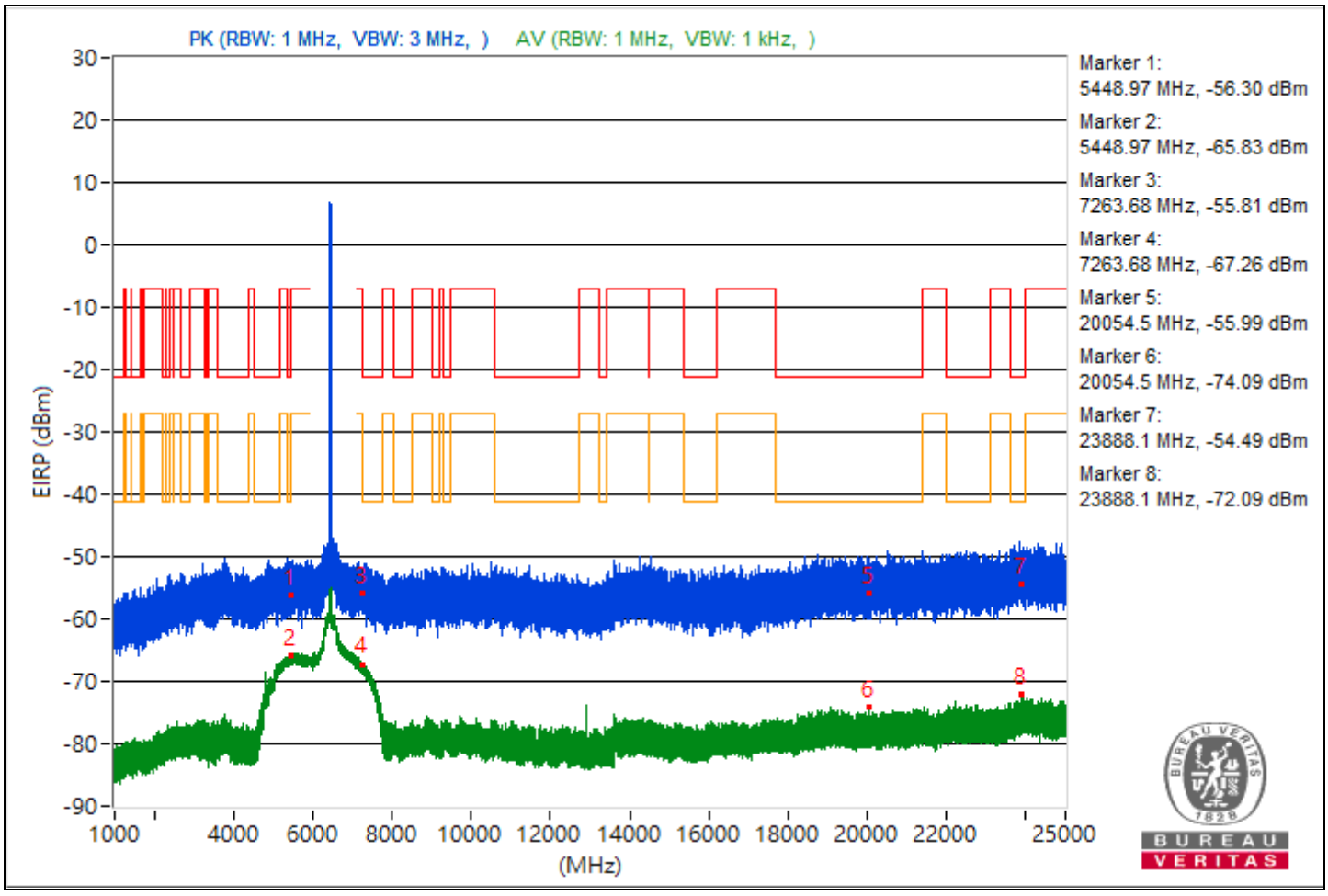


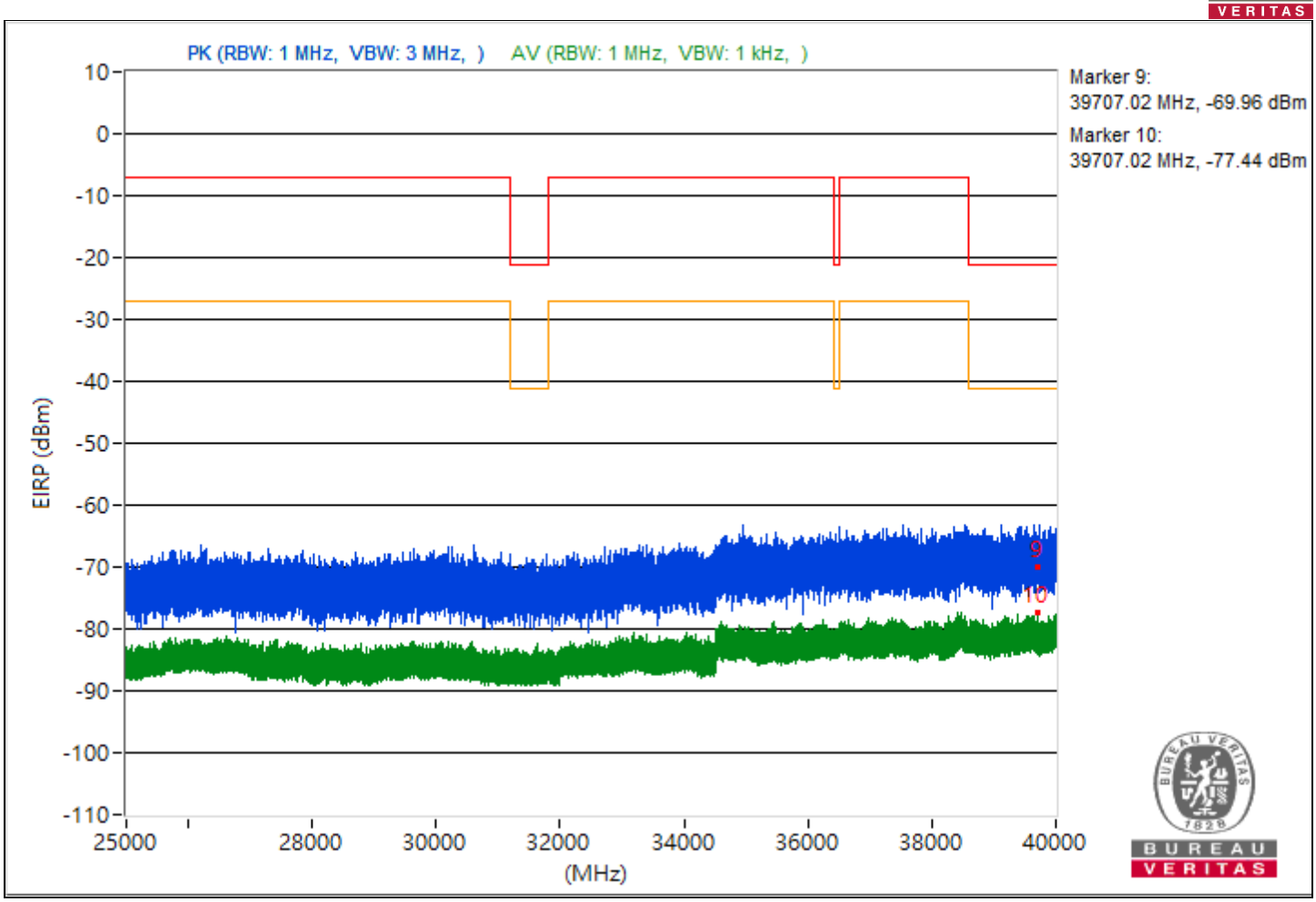

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39973.33 MHz, -64.38 dBm
Marker 10:
39973.33 MHz, -77.85 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT40) | Channel | CH 99：6445 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5448.97 | 38.96 PK | 74 | -35.04 | -61.46 | 5.16 | -56.3 |
| 2 | 5448.97 | 29.43 AV | 54 | -24.57 | -70.99 | 5.16 | -65.83 |
| 3 | 7263.68 | 39.45 PK | 74 | -34.55 | -60.97 | 5.16 | -55.81 |
| 4 | 7263.68 | 28 AV | 54 | -26 | -72.42 | 5.16 | -67.26 |
| 5 | 20054.5 | 39.27 PK | 74 | -34.73 | -61.15 | 5.16 | -55.99 |
| 6 | 20054.5 | 21.17 AV | 54 | -32.83 | -79.25 | 5.16 | -74.09 |
| 7 | 23888.1 | 40.77 PK | 74 | -33.23 | -59.65 | 5.16 | -54.49 |
| 8 | 23888.1 | 23.17 AV | 54 | -30.83 | -77.25 | 5.16 | -72.09 |
| 9 | 39707.02 | 25.3 PK | 74 | -48.7 | -75.12 | 5.16 | -69.96 |
| 10 | 39707.02 | 17.82 AV | 54 | -36.18 | -82.6 | 5.16 | -77.44 |

Note: Margin value = Emission Level - Limit value

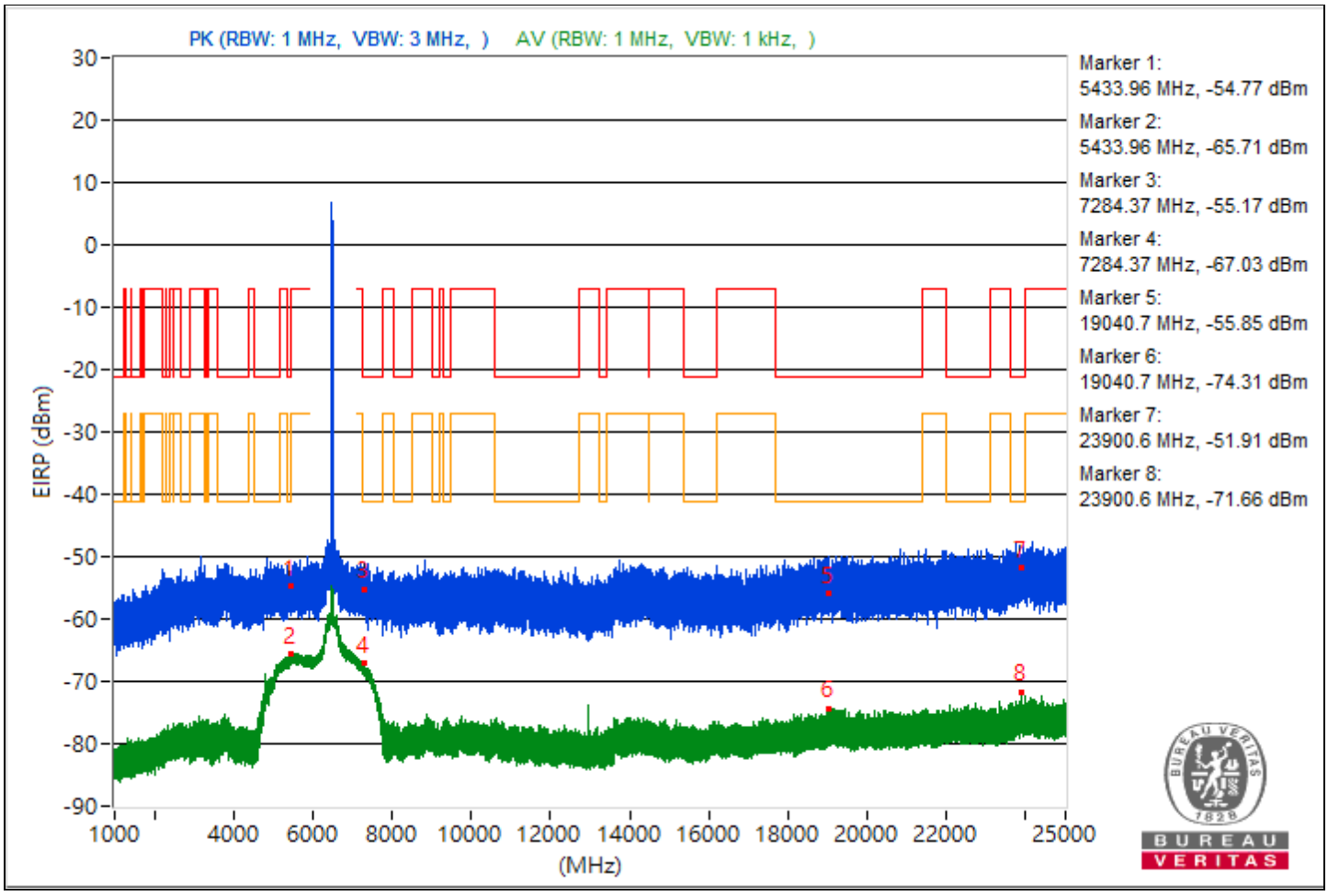


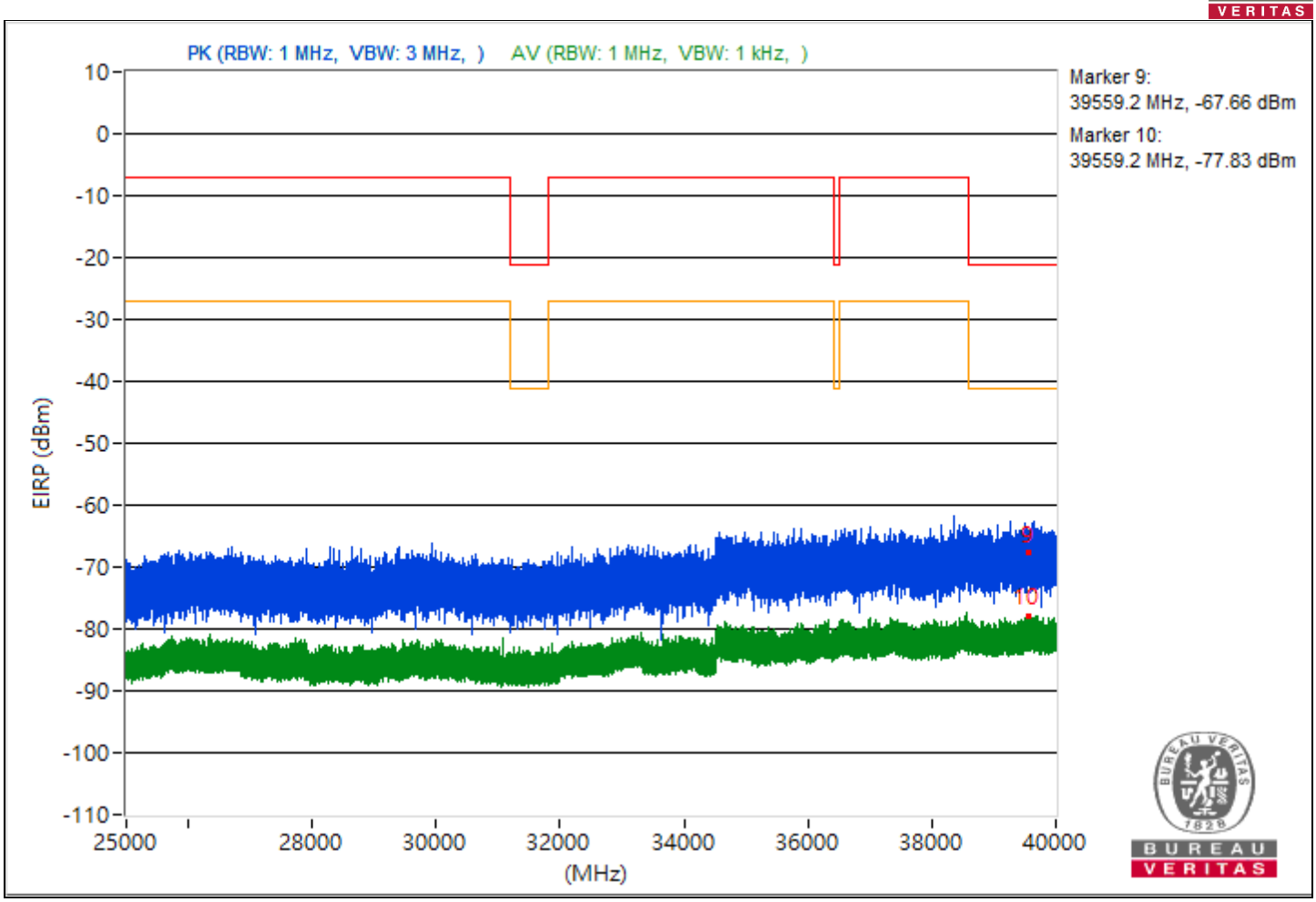

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39707.02 MHz, -69.96 dBm
Marker 10:
39707.02 MHz, -77.44 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT40) | Channel | CH 107：6485 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5433.96 | 40.49 PK | 74 | -33.51 | -59.93 | 5.16 | -54.77 |
| 2 | 5433.96 | 29.55 AV | 54 | -24.45 | -70.87 | 5.16 | -65.71 |
| 3 | 7284.37 | 40.09 PK | 74 | -33.91 | -60.33 | 5.16 | -55.17 |
| 4 | 7284.37 | 28.23 AV | 54 | -25.77 | -72.19 | 5.16 | -67.03 |
| 5 | 19040.7 | 39.41 PK | 74 | -34.59 | -61.01 | 5.16 | -55.85 |
| 6 | 19040.7 | 20.95 AV | 54 | -33.05 | -79.47 | 5.16 | -74.31 |
| 7 | 23900.6 | 43.35 PK | 74 | -30.65 | -57.07 | 5.16 | -51.91 |
| 8 | 23900.6 | 23.6 AV | 54 | -30.4 | -76.82 | 5.16 | -71.66 |
| 9 | 39559.2 | 27.6 PK | 74 | -46.4 | -72.82 | 5.16 | -67.66 |
| 10 | 39559.2 | 17.43 AV | 54 | -36.57 | -82.99 | 5.16 | -77.83 |

Note: Margin value = Emission Level - Limit value

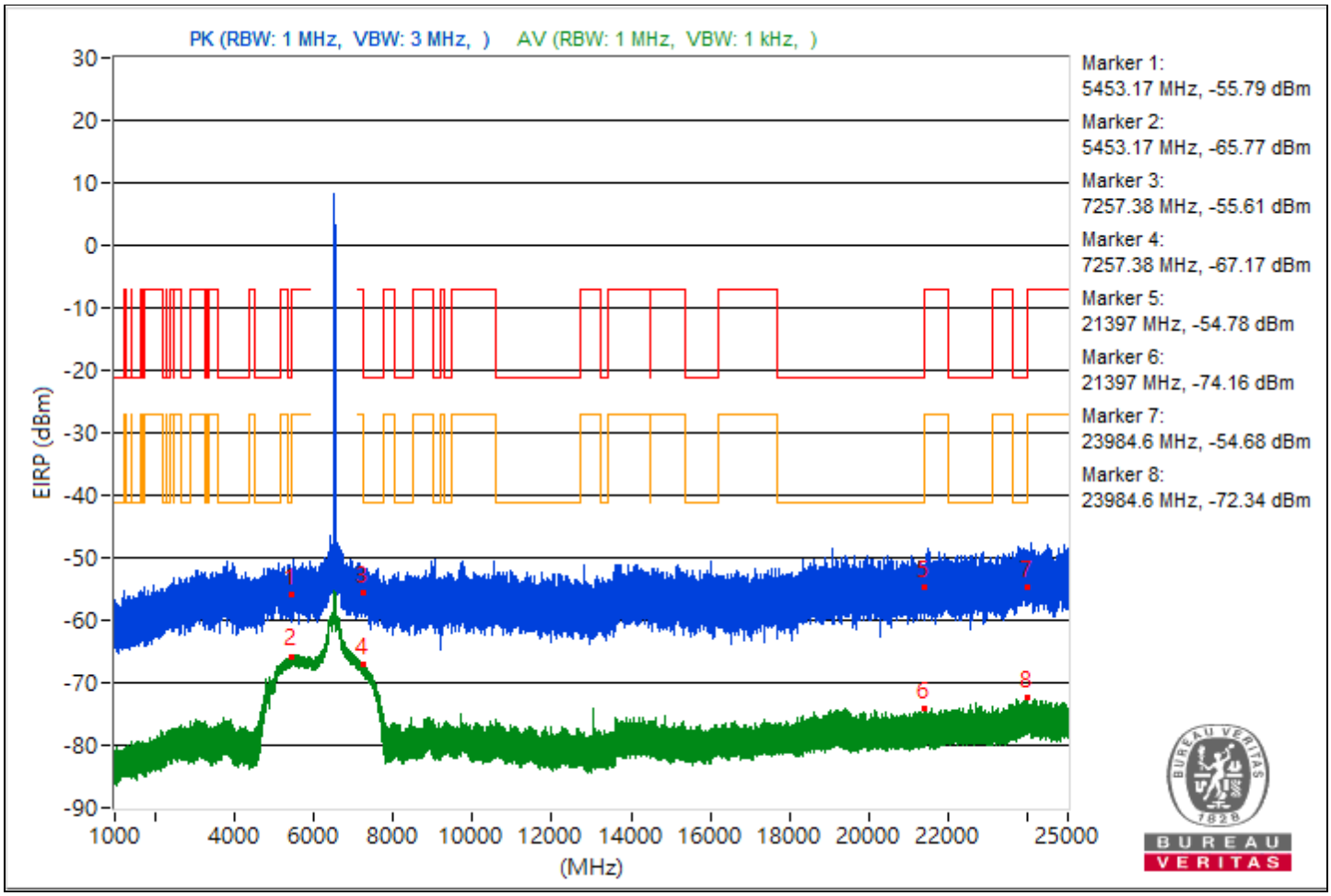


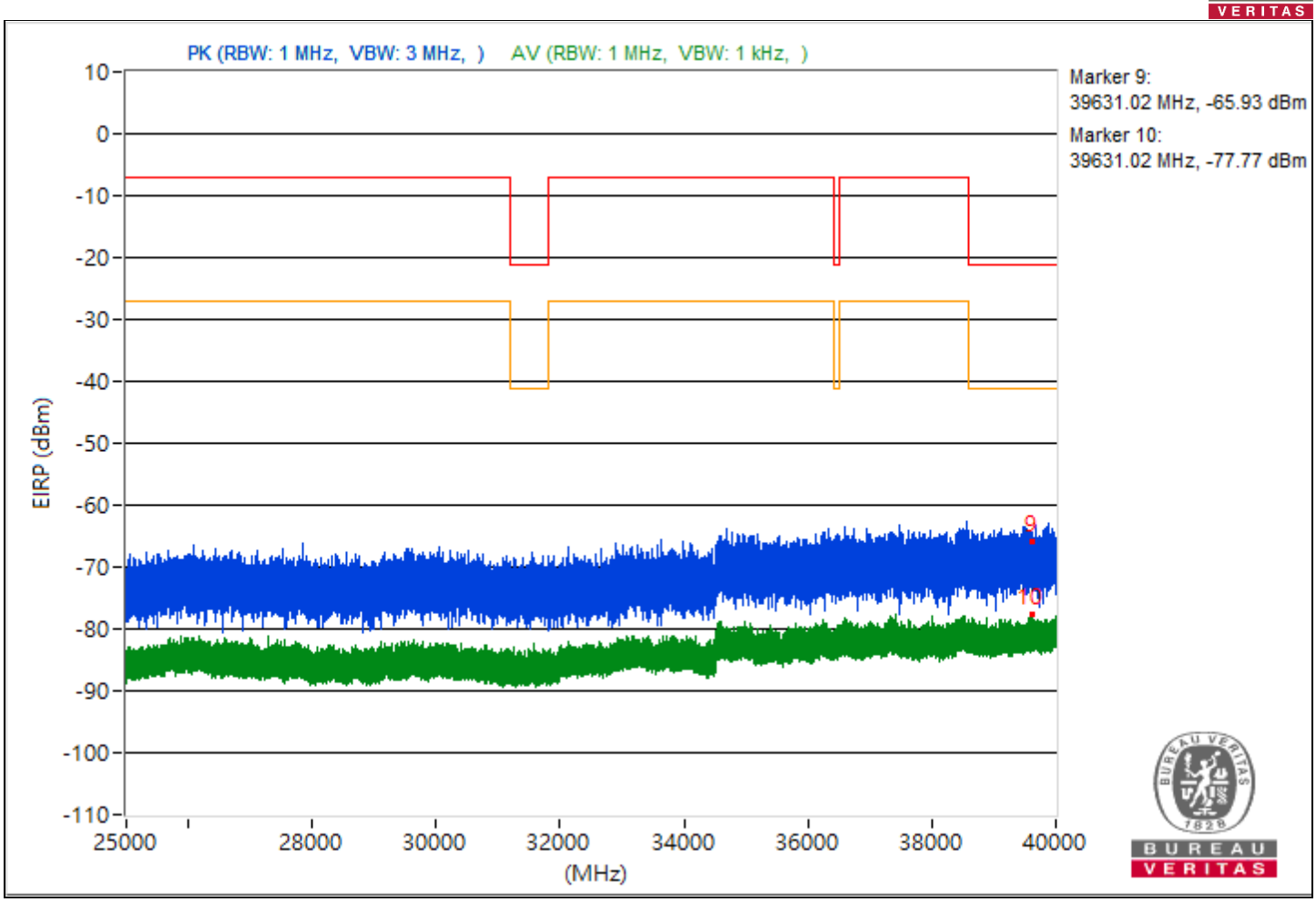

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39559.2 MHz, -67.66 dBm
Marker 10:
39559.2 MHz, -77.83 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT40) | Channel | CH 115：6525 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5453.17 | 39.47 PK | 74 | -34.53 | -60.95 | 5.16 | -55.79 |
| 2 | 5453.17 | 29.49 AV | 54 | -24.51 | -70.93 | 5.16 | -65.77 |
| 3 | 7257.38 | 39.65 PK | 74 | -34.35 | -60.77 | 5.16 | -55.61 |
| 4 | 7257.38 | 28.09 AV | 54 | -25.91 | -72.33 | 5.16 | -67.17 |
| 5 | 21397 | 40.48 PK | 74 | -33.52 | -59.94 | 5.16 | -54.78 |
| 6 | 21397 | 21.1 AV | 54 | -32.9 | -79.32 | 5.16 | -74.16 |
| 7 | 23984.6 | 40.58 PK | 74 | -33.42 | -59.84 | 5.16 | -54.68 |
| 8 | 23984.6 | 22.92 AV | 54 | -31.08 | -77.5 | 5.16 | -72.34 |
| 9 | 39631.02 | 29.33 PK | 74 | -44.67 | -71.09 | 5.16 | -65.93 |
| 10 | 39631.02 | 17.49 AV | 54 | -36.51 | -82.93 | 5.16 | -77.77 |

Note: Margin value = Emission Level - Limit value



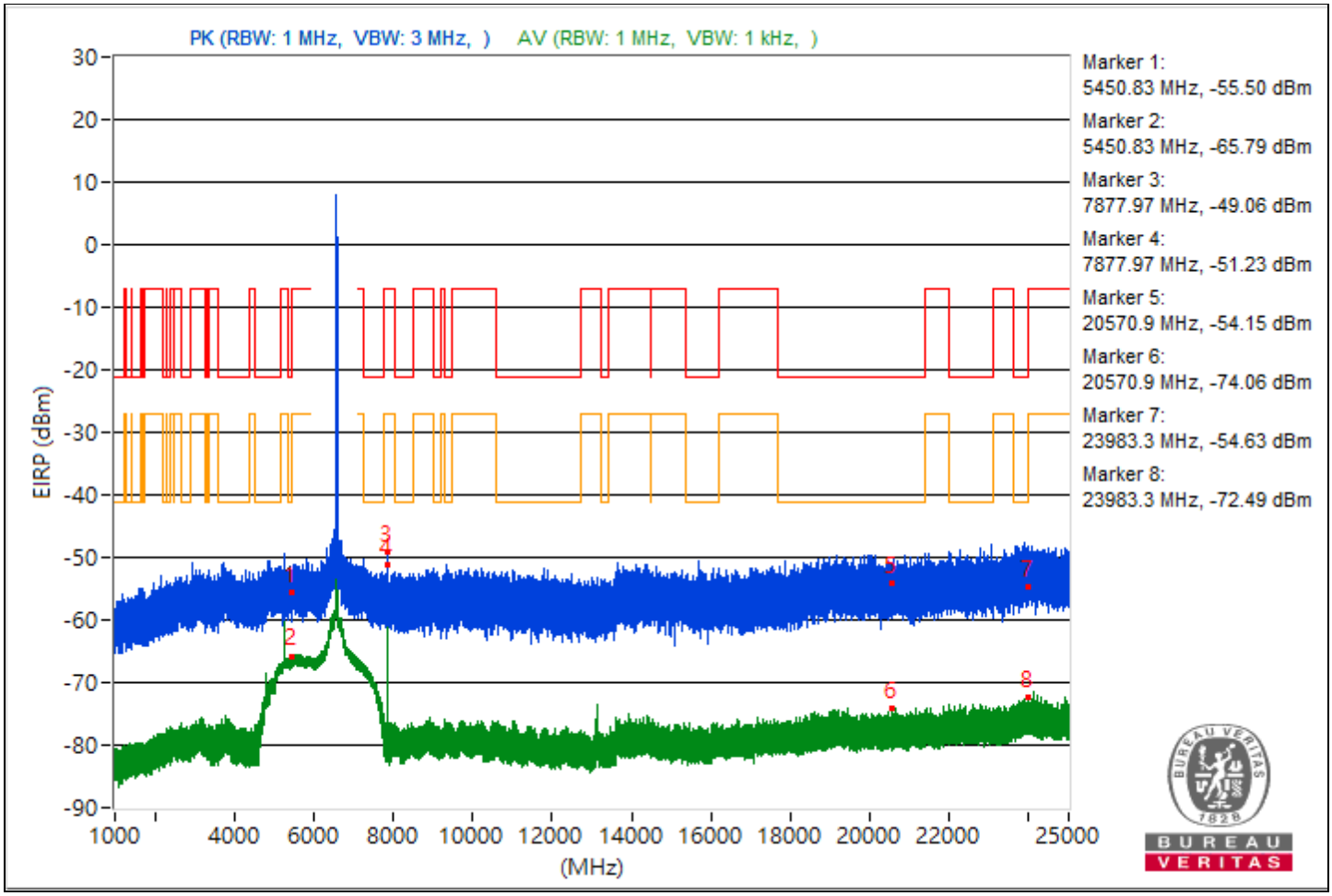

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39631.02 MHz, -65.93 dBm
Marker 10:
39631.02 MHz, -77.77 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

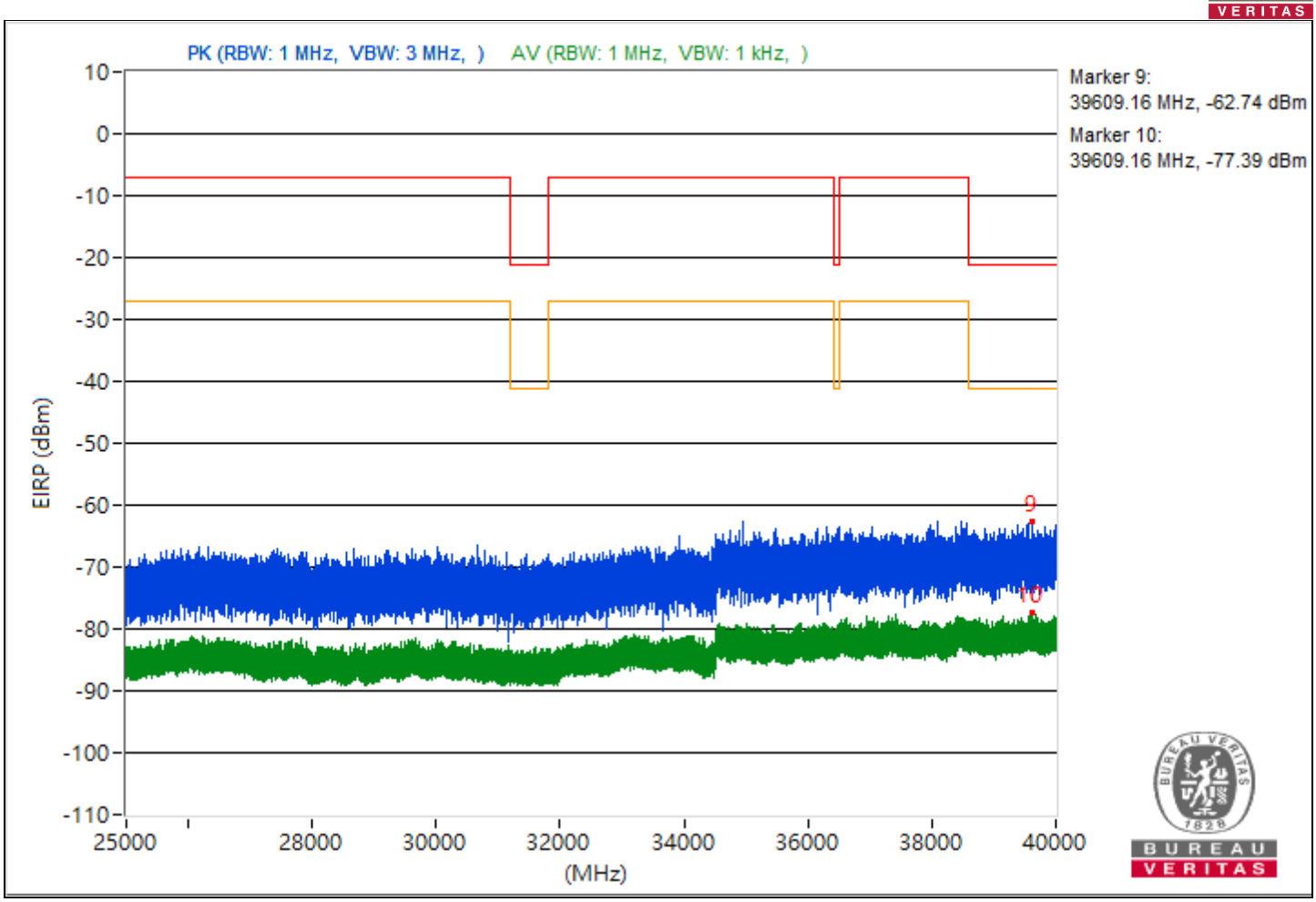
| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT40) | Channel | CH 123：6565 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5450.83 | 39.76 PK | 74 | -34.24 | -60.66 | 5.16 | -55.5 |
| 2 | 5450.83 | 29.47 AV | 54 | -24.53 | -70.95 | 5.16 | -65.79 |
| 3 | #7877.97 | 46.2 PK | 88.26 | -42.06 | -54.22 | 5.16 | -49.06 |
| 4 | #7877.97 | 44.03 AV | 68.26 | -24.23 | -56.39 | 5.16 | -51.23 |
| 5 | 20570.9 | 41.11 PK | 74 | -32.89 | -59.31 | 5.16 | -54.15 |
| 6 | 20570.9 | 21.2 AV | 54 | -32.8 | -79.22 | 5.16 | -74.06 |
| 7 | 23983.3 | 40.63 PK | 74 | -33.37 | -59.79 | 5.16 | -54.63 |
| 8 | 23983.3 | 22.77 AV | 54 | -31.23 | -77.65 | 5.16 | -72.49 |
| 9 | 39609.16 | 32.52 PK | 74 | -41.48 | -67.9 | 5.16 | -62.74 |
| 10 | 39609.16 | 17.87 AV | 54 | -36.13 | -82.55 | 5.16 | -77.39 |

Notes:

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

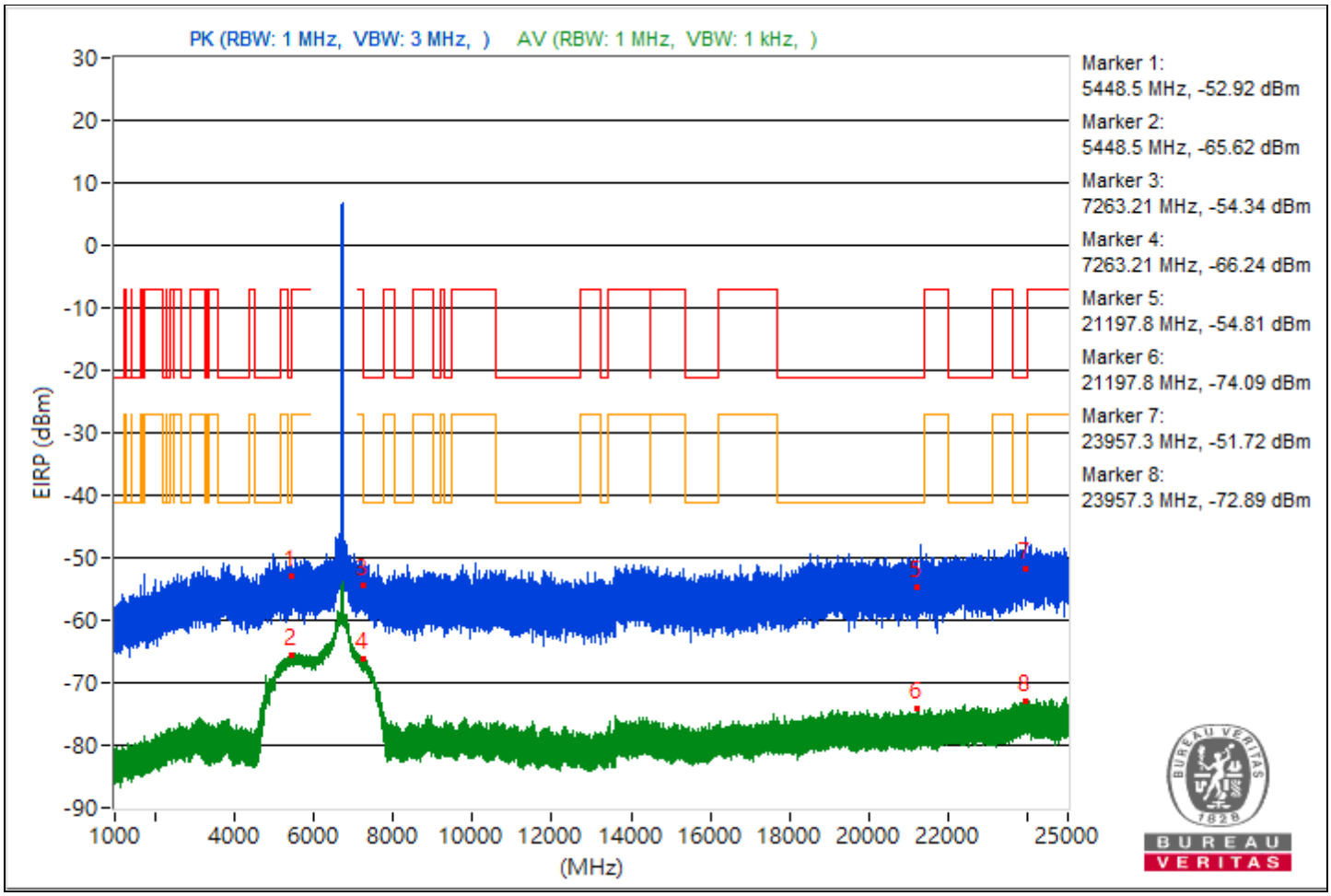


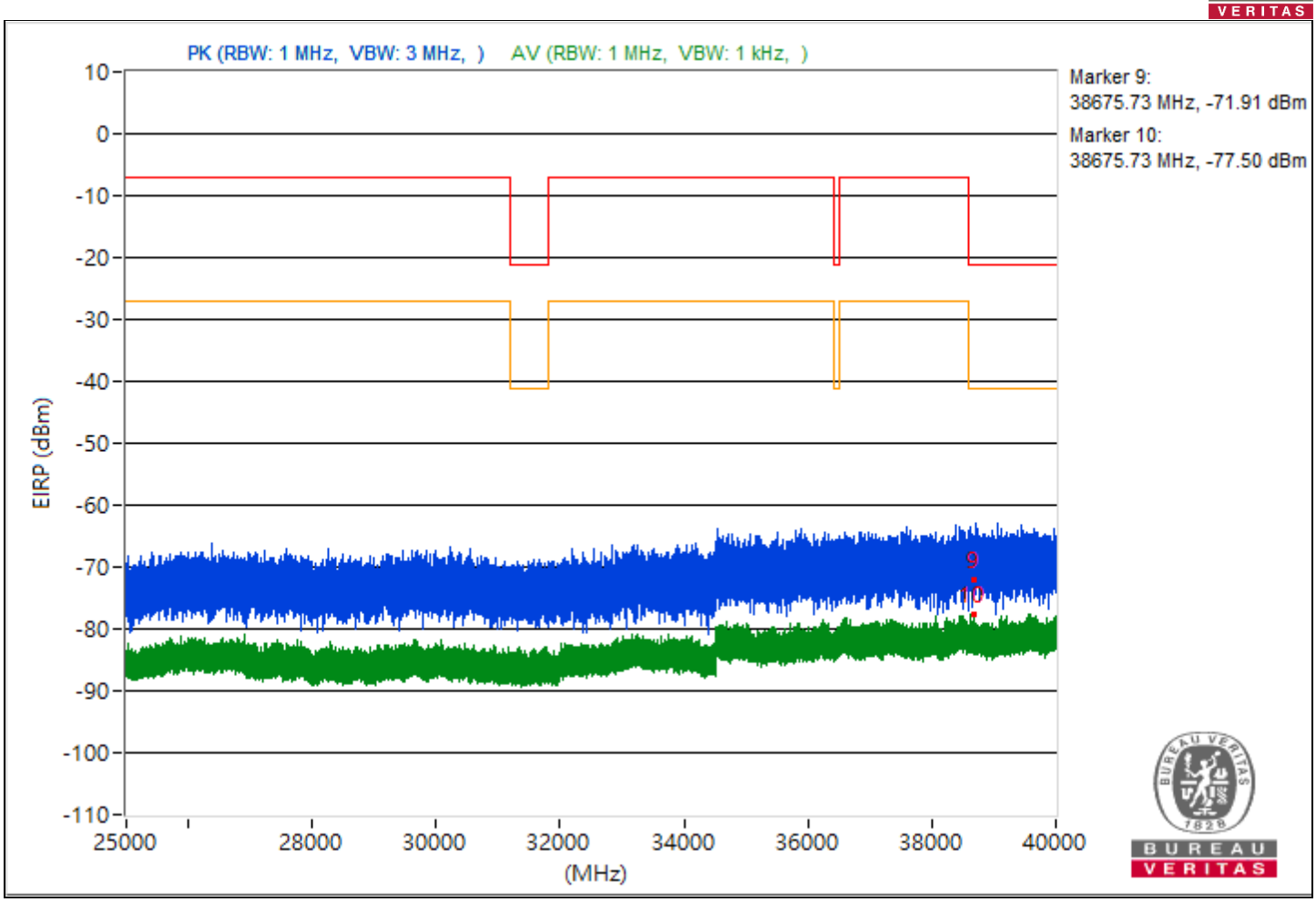

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39609.16 MHz, -62.74 dBm
Marker 10:
39609.16 MHz, -77.39 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT40) | Channel | CH 155：6725 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5448.5 | 42.34 PK | 74 | -31.66 | -58.08 | 5.16 | -52.92 |
| 2 | 5448.5 | 29.64 AV | 54 | -24.36 | -70.78 | 5.16 | -65.62 |
| 3 | 7263.21 | 40.92 PK | 74 | -33.08 | -59.5 | 5.16 | -54.34 |
| 4 | 7263.21 | 29.02 AV | 54 | -24.98 | -71.4 | 5.16 | -66.24 |
| 5 | 21197.8 | 40.45 PK | 74 | -33.55 | -59.97 | 5.16 | -54.81 |
| 6 | 21197.8 | 21.17 AV | 54 | -32.83 | -79.25 | 5.16 | -74.09 |
| 7 | 23957.3 | 43.54 PK | 74 | -30.46 | -56.88 | 5.16 | -51.72 |
| 8 | 23957.3 | 22.37 AV | 54 | -31.63 | -78.05 | 5.16 | -72.89 |
| 9 | 38675.73 | 23.35 PK | 74 | -50.65 | -77.07 | 5.16 | -71.91 |
| 10 | 38675.73 | 17.76 AV | 54 | -36.24 | -82.66 | 5.16 | -77.5 |

Note: Margin value = Emission Level - Limit value

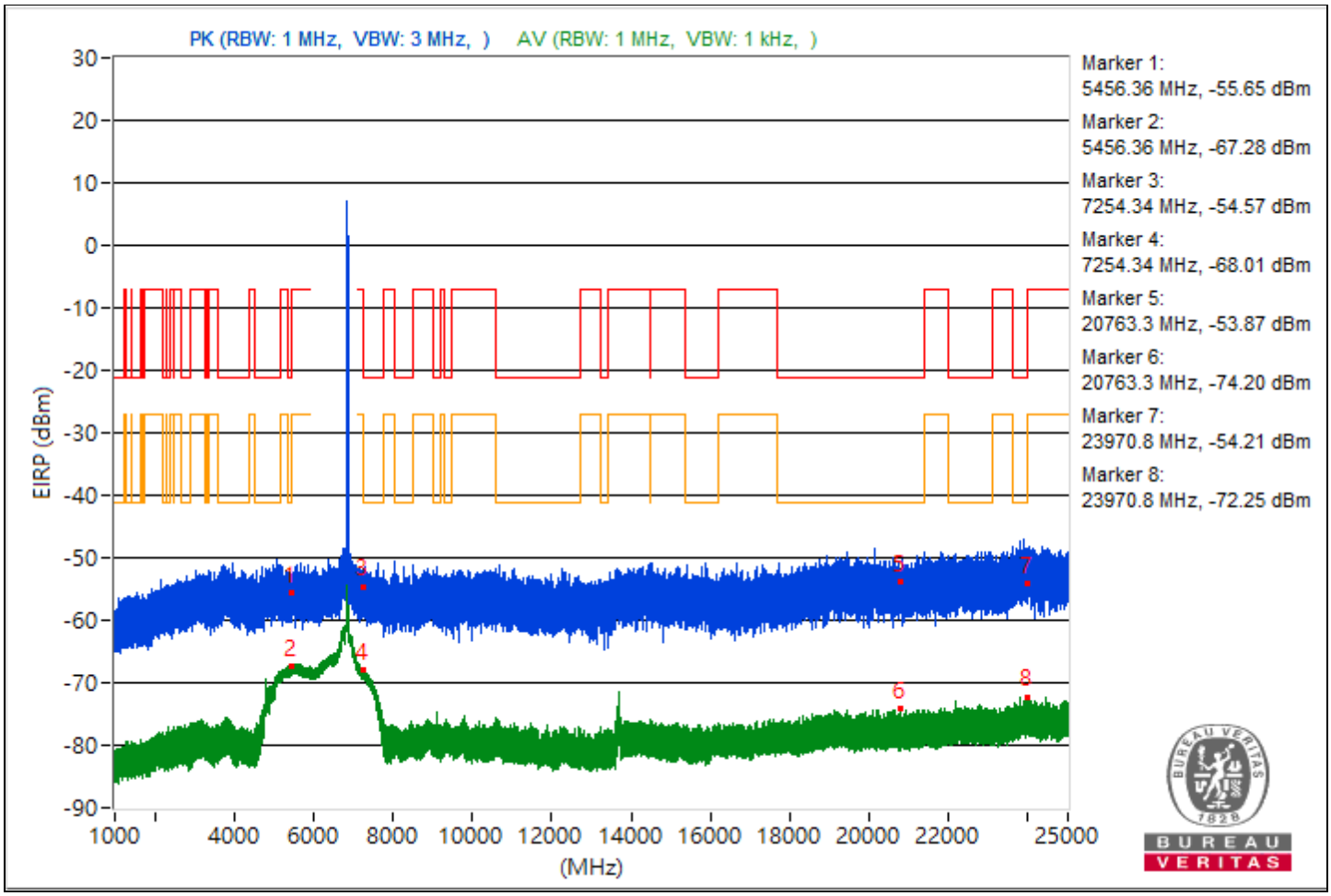


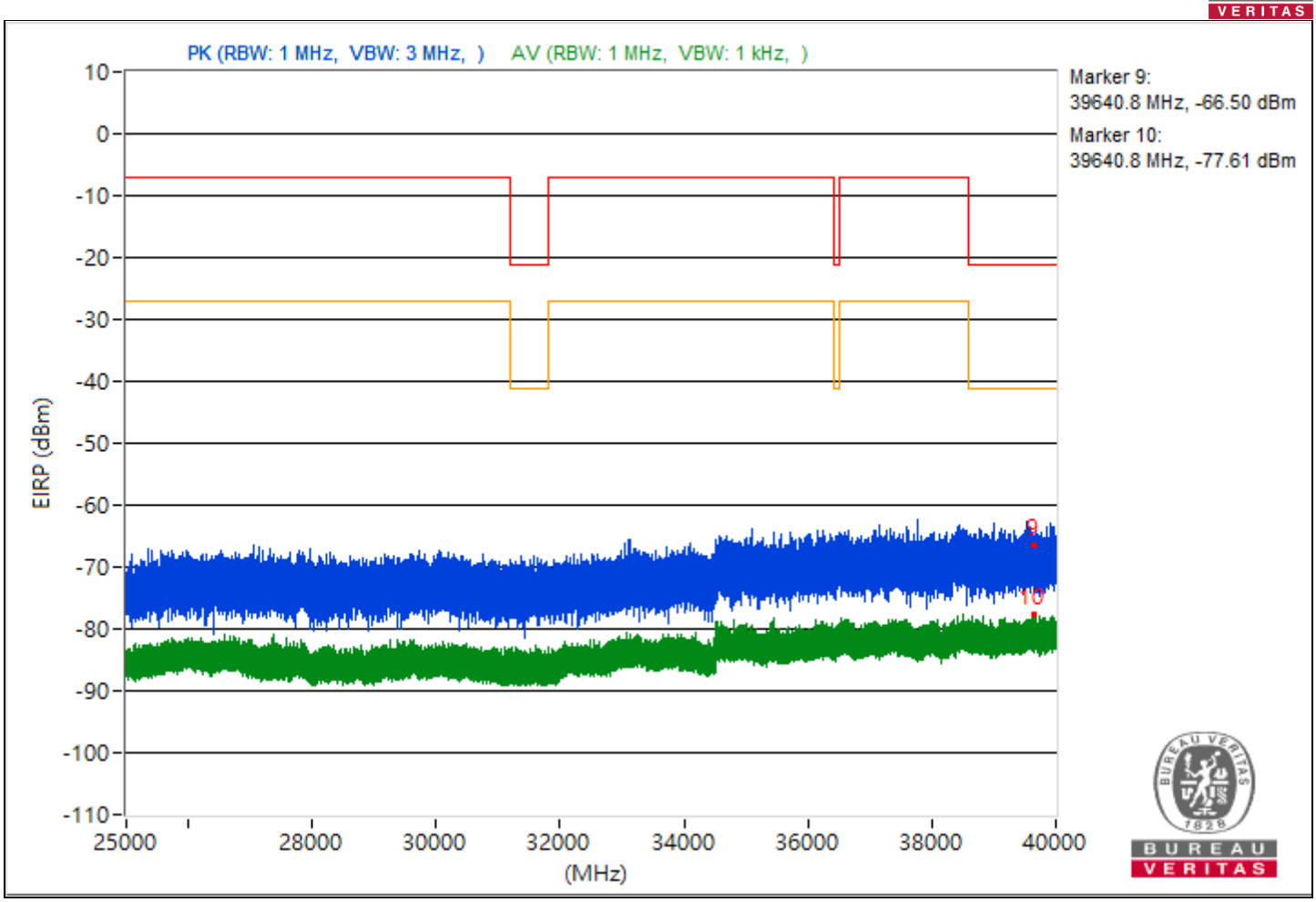

PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
38675.73 MHz, -71.91 dBm
Marker 10:
38675.73 MHz, -77.50 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT40) | Channel | CH 179：6845 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5456.36 | 39.61 PK | 74 | -34.39 | -60.81 | 5.16 | -55.65 |
| 2 | 5456.36 | 27.98 AV | 54 | -26.02 | -72.44 | 5.16 | -67.28 |
| 3 | 7254.34 | 40.69 PK | 74 | -33.31 | -59.73 | 5.16 | -54.57 |
| 4 | 7254.34 | 27.25 AV | 54 | -26.75 | -73.17 | 5.16 | -68.01 |
| 5 | 20763.3 | 41.39 PK | 74 | -32.61 | -59.03 | 5.16 | -53.87 |
| 6 | 20763.3 | 21.06 AV | 54 | -32.94 | -79.36 | 5.16 | -74.2 |
| 7 | 23970.8 | 41.05 PK | 74 | -32.95 | -59.37 | 5.16 | -54.21 |
| 8 | 23970.8 | 23.01 AV | 54 | -30.99 | -77.41 | 5.16 | -72.25 |
| 9 | 39640.8 | 28.76 PK | 74 | -45.24 | -71.66 | 5.16 | -66.5 |
| 10 | 39640.8 | 17.65 AV | 54 | -36.35 | -82.77 | 5.16 | -77.61 |

Note: Margin value = Emission Level - Limit value




PK (RBW: 1 MHz, VBW: 3 MHz, )
AV (RBW: 1 MHz, VBW: 1 kHz, )
Marker 9:
39640.8 MHz, -66.50 dBm
Marker 10:
39640.8 MHz, -77.61 dBm
EIRP (dBm)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

| | | | |
|---|---|---|---|
| RF Mode | 802.11be (EHT40) | Channel | CH 187：6885 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Environmental Conditions | 25°C, 60% RH |
| Tested By | Dolly Chung | | |

| Conducted Unwanted Emissions | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw Value Chain 0 (dBm) | Correction Factor (dB) | EIRP Level (dBm) |
| 1 | 5453.79 | 39.47 PK | 74 | -34.53 | -60.95 | 5.16 | -55.79 |
| 2 | 5453.79 | 29.49 AV | 54 | -24.51 | -70.93 | 5.16 | -65.77 |
| 3 | 7258.93 | 39 PK | 74 | -35 | -61.42 | 5.16 | -56.26 |
| 4 | 7258.93 | 29.12 AV | 54 | -24.88 | -71.3 | 5.16 | -66.14 |
| 5 | 19871.3 | 38.94 PK | 74 | -35.06 | -61.48 | 5.16 | -56.32 |
| 6 | 19871.3 | 20.95 AV | 54 | -33.05 | -79.47 | 5.16 | -74.31 |
| 7 | 23965.4 | 42.88 PK | 74 | -31.12 | -57.54 | 5.16 | -52.38 |
| 8 | 23965.4 | 23.19 AV | 54 | -30.81 | -77.23 | 5.16 | -72.07 |
| 9 | 39598.4 | 27.23 PK | 74 | -46.77 | -73.19 | 5.16 | -68.03 |
| 10 | 39598.4 | 17.88 AV | 54 | -36.12 | -82.54 | 5.16 | -77.38 |

Note: Margin value = Emission Level - Limit value