# FCC Test Report

| | |
|---|---|
| **Report No.:** | RF200814E08 |
| **FCC ID:** | RAS-MT7921K |
| **Test Model:** | MT7921K |
| **Received Date:** | Aug. 14, 2020 |
| **Test Date:** | Aug. 31 to Sep. 25, 2020 |
| **Issued Date:** | Oct. 16, 2020 |
| **Applicant:** | MediaTek Inc. |
| **Address:** | No. 1, Dusing 1st Rd., Hsinchu Science Park Hsinchu City 30078 Taiwan |
| **Issued By:** | Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory |
| **Lab Address:** | E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan |
| **Test Location:** | E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan |
| **FCC Registration / Designation Number:** | 723255 / TW2022 |

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## Release Control Record

| Issue No. | Description | Date Issued |
|---|---|---|
| RF200814E08 | Original release. | Oct. 1**6**, 2020 |

## 1 Certificate of Conformity

| | |
|---|---|
| **Product:** | 2TX 11ax (WiFi6E) + BT/BLE Combo Card |
| **Brand:** | MediaTek |
| **Test Model:** | MT7921K |
| **Sample Status:** | ENGINEERING SAMPLE |
| **Applicant:** | MediaTek Inc. |
| **Test Date:** | Aug. 31 to Sep. 25, 2020 |
| **Standards:** | 47 CFR FCC Part 15, Subpart C (Section 15.247)<br>ANSI C63.10: 2013 |

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 EMC characteristics under the conditions specified in this report.

**Prepared by :** Cherry Chuo , **Date:** Oct. 16, 2020

Cherry Chuo / Specialist

**Approved by :** , **Date:** Oct. 16, 2020

Clark Lin / Technical Manager

## 2 Summary of Test Results

| 47 CFR FCC Part 15, Subpart C (Section 15.247) | | | |
|---|---|---|---|
| FCC Clause | Test Item | Result | Remarks |
| 15.207 | AC Power Conducted Emission | PASS | Meet the requirement of limit. Minimum passing margin is -3.24 dB at 21.16792 MHz. |
| 15.205 / 15.209 / 15.247(d) | Radiated Emissions and Band Edge Measurement | PASS | Meet the requirement of limit. Minimum passing margin is -0.1 dB at 2389.00 MHz, 2483.50 MHz, 2484.04 MHz, 2484.40 MHz, 2390.00 MHz, 2483.95 MHz. |
| 15.247(d) | Antenna Port Emission | PASS | Meet the requirement of limit. |
| 15.247(a)(2) | 6dB bandwidth | PASS | Meet the requirement of limit. |
| 15.247(b) | Conducted power | PASS | Meet the requirement of limit. |
| 15.247(e) | Power Spectral Density | PASS | Meet the requirement of limit. |
| 15.203 | Antenna Requirement | PASS | Antenna connector is R-SMA or i-pex(MHF) not a standard connector. |

Note:
1. For 2.4 GHz band compliance with rule 15.247(d) of the band-edge items, the test plots were recorded in Annex A.
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

### 2.1 Measurement Uncertainty

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

| Measurement | Frequency | Expanded Uncertainty (k=2) (±) |
|---|---|---|
| Conducted Emissions at mains ports | 150kHz ~ 30MHz | 1.9 dB |
| Conducted emissions | 9kHz ~ 40GHz | 2.5 dB |
| Radiated Emissions up to 1 GHz | 9kHz ~ 30MHz | 3.1 dB |
| | 30MHz ~ 1GHz | 5.4 dB |
| Radiated Emissions above 1 GHz | 1GHz ~ 18GHz | 5.0 dB |
| | 18GHz ~ 40GHz | 5.3 dB |

### 2.2 Modification Record

There were no modifications required for compliance.

# 3 General Information

## 3.1 General Description of EUT

| | |
|---|---|
| Product | 2TX 11ax (WiFi6E) + BT/BLE Combo Card |
| Brand | MediaTek |
| Test Model | MT7921K |
| Status of EUT | ENGINEERING SAMPLE |
| Power Supply Rating | 3.3Vdc from host equipment |
| Modulation Type | CCK, DQPSK, DBPSK for DSSS<br>64QAM, 16QAM, QPSK, BPSK for OFDM<br>256QAM for OFDM in 11ac mode and VHT20/40 in 2.4GHz<br>1024QAM for OFDMA in 11ax HE mode |
| Modulation Technology | DSSS, OFDM, OFDMA |
| Transfer Rate | 802.11b: up to 11 Mbps<br>802.11a/g: up to 54 Mbps<br>802.11n: up to 300 Mbps<br>802.11ac: up to 866.7 Mbps<br>802.11ax: up to 1201.0 Mbps |
| Operating Frequency | **2.4GHz:** 2.412 ~ 2.472GHz<br>**5GHz:** 5.18~5.32GHz, 5.50~5.72GHz, 5.745 ~ 5.825GHz<br>**6GHz:** 5.955 ~ 6.415GHz, 6.435 ~ 6.525GHz, 6.525 ~ 6.875GHz, 6.875 ~ 7.115GHz |
| Number of Channel | **2.4GHz:**<br>802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20): 13<br>802.11n (HT40), VHT40, 802.11ax (HE40): 9<br>**5GHz:**<br>802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25<br>802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12<br>802.11ac (VHT80), 802.11ax (HE80): 6<br>**6GHz:**<br>802.11ax (HE20): 59<br>802.11ax (HE40): 29<br>802.11ax (HE80): 14 |
| Output Power | **2.412 ~ 2.472 GHz:** 815.903 mW<br>**5.18 ~ 5.24 GHz:** 143.816 mW<br>**5.26 ~ 5.32GHz:** 147.866 mW<br>**5.5 ~ 5.72GHz:** 156.514 mW<br>**5.745 ~ 5.825 GHz:** 193.138 mW<br>**5.955 ~ 6.415GHz:** 15.491 mW (EIRP: 15.21 dBm / 33.19 mW)<br>**6.435 ~ 6.525GHz:** 15.333 mW (EIRP: 15.17 dBm / 32.885 mW)<br>**6.525 ~ 6.875GHz:** 14.896 mW (EIRP: 15.04 dBm / 31.915 mW)<br>**6.875 ~ 7.115GHz:** 14.749 mW (EIRP: 15.00 dBm / 31.623 mW) |
| Antenna Type | Refer to Note |
| Antenna Connector | Refer to Note |
| Accessory Device | NA |
| Data Cable Supplied | NA |

Note:

1. Simultaneously transmission condition.

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

2. The antennas provided to the EUT, please refer to the following table:

| Ant. Set | RF Chain No. | Brand | Model | Ant. Net Gain (dBi) | Freq. Range (GHz) | Ant. Type | Connector Type | Cable Length (mm) | Cable Loss (dB) | Excluding Cable Loss Ant. Gain (dBi) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Chain0 | Cortec | AN2450-4902BRS | 2.42<br>3.87 | 2.4~2.4835<br>5.15~5.85 | Dipole | R-SMA | 150 | 2.4~2.4835GHz : 0.5<br>5.15~5.85GHz : 0.8 | 2.92<br>4.67 |
| | Chain1 | Cortec | AN2450-4902BRS | 2.42<br>3.87 | 2.4~2.4835<br>5.15~5.85 | Dipole | R-SMA | 150 | 2.4~2.4835GHz : 0.5<br>5.15~5.85GHz : 0.8 | 2.92<br>4.67 |
| 2 | Chain0 | PSA | RFMTA340718EMLB302 | 3.18<br>4.92 | 2.4~2.4835<br>5.15~5.85 | PIFA | i-pex(MHF) | 200 | included cable loss | - |
| | Chain1 | PSA | RFMTA340718EMLB302 | 3.18<br>4.92 | 2.4~2.4835<br>5.15~5.85 | PIFA | i-pex(MHF) | 200 | included cable loss | - |
| 3 | Chain0 | PSA | RFMTA311020EMMB301 | 1.71<br>4.82<br>3.31 | 2.4~2.4835<br>5.15~5.85<br>5.92~7.125 | PIFA | i-pex(MHF) | 200 | - | - |
| | Chain1 | PSA | RFMTA311020EMMB301 | 1.71<br>4.82<br>3.31 | 2.4~2.4835<br>5.15~5.85<br>5.92~7.125 | PIFA | i-pex(MHF) | 200 | - | - |
| Note:<br>1. Max. gain was selected for the final test, except for the radiated emissions test. | | | | | | | | | | |

3. The EUT incorporates a MIMO function:

| 2.4GHZ BAND | | |
|---|---|---|
| **MODULATION MODE** | **TX & RX CONFIGURATION** | |
| **802.11b** | 2TX | 2RX |
| **802.11g** | 2TX | 2RX |
| **802.11n (HT20)** | 2TX | 2RX |
| **802.11n (HT40)** | 2TX | 2RX |
| **VHT20** | 2TX | 2RX |
| **VHT40** | 2TX | 2RX |
| **802.11ax (HE20)** | 2TX | 2RX |
| **802.11ax (HE40)** | 2TX | 2RX |
| **5GHz Band** | | |
| **MODULATION MODE** | **TX & RX CONFIGURATION** | |
| **802.11a** | 2TX | 2RX |
| **802.11n (HT20)** | 2TX | 2RX |
| **802.11n (HT40)** | 2TX | 2RX |
| **802.11ac (VHT20)** | 2TX | 2RX |
| **802.11ac (VHT40)** | 2TX | 2RX |
| **802.11ac (VHT80)** | 2TX | 2RX |
| **802.11ax (HE20)** | 2TX | 2RX |
| **802.11ax (HE40)** | 2TX | 2RX |
| **802.11ax (HE80)** | 2TX | 2RX |
| **6GHz Band** | | |
| **MODULATION MODE** | **TX & RX CONFIGURATION** | |
| **802.11ax (HE20)** | 2TX | 2RX |
| **802.11ax (HE40)** | 2TX | 2RX |
| **802.11ax (HE80)** | 2TX | 2RX |
| Note: The EUT doesn't support beamforming function. | | |

4. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.
5. The above Antenna information is declared by manufacturer, the laboratory shall not be held responsible.

### 3.2 Description of Test Modes

13 channels are provided for 802.11b, 802.11g and 802.11n (HT20), VHT20, 802.11ax (HE20):

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 1 | 2412 | 8 | 2447 |
| 2 | 2417 | 9 | 2452 |
| 3 | 2422 | 10 | 2457 |
| 4 | 2427 | 11 | 2462 |
| 5 | 2432 | 12 | 2467 |
| 6 | 2437 | 13 | 2472 |
| 7 | 2442 | | |

9 channels are provided for 802.11n (HT40), VHT40, 802.11ax (HE40):

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 3 | 2422 | 8 | 2447 |
| 4 | 2427 | 9 | 2452 |
| 5 | 2432 | 10 | 2457 |
| 6 | 2437 | 11 | 2462 |
| 7 | 2442 | | |

### 3.2.1 Test Mode Applicability and Tested Channel Detail

| EUT CONFIGURE MODE | APPLICABLE TO | | | | DESCRIPTION |
|---|---|---|---|---|---|
| | RE≥1G | RE<1G | PLC | APCM | |
| 1 | √ | √ | √ | √ | With PIFA antenna (Ant. Set 2) |
| 2 | √ | √ | - | - | With Dipole antenna (Ant. Set 1) |

Where **RE≥1G:** Radiated Emission above 1GHz & Bandedge Measurement **RE<1G:** Radiated Emission below 1GHz

**PLC:** Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

Note: The EUT's antenna (PIFA) had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on Z-plane

**Radiated Emission Test (Above 1GHz):**

☒ 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.

| MODE | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | Data Rate Parameter |
|---|---|---|---|---|---|
| 802.11b | 1 to 13 | 1, 2, 6, 10, 11, 12, 13 | DSSS | DBPSK | 1 Mb/s |
| 802.11g | 1 to 13 | 1, 2, 6, 10, 11, 12, 13 | OFDM | BPSK | 6 Mb/s |
| 802.11ax (HE20) | 1 to 13 | 1, 2, 6, 10, 11, 12, 13 | OFDMA | BPSK | MCS0 |
| 802.11ax (HE40) | 3 to 11 | 3, 4, 6, 8, 9, 10, 11 | OFDMA | BPSK | MCS0 |

**Radiated Emission Test (Below 1GHz):**

☒ 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.

| MODE | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | Data Rate Parameter |
|---|---|---|---|---|---|
| 802.11b | 1 to 13 | 2 | DSSS | DBPSK | 1 Mb/s |

**Power Line Conducted Emission Test:**

☒ 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.

| MODE | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | Data Rate Parameter |
|---|---|---|---|---|---|
| 802.11b | 1 to 13 | 2 | DSSS | DBPSK | 1 Mb/s |

**Antenna Port Conducted Measurement:**

☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
☒ 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.

| MODE | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | Data Rate Parameter |
|---|---|---|---|---|---|
| 802.11b | 1 to 13 | 1, 2, 6, 10, 11, 12, 13 | DSSS | DBPSK | 1 Mb/s |
| 802.11g | 1 to 13 | 1, 2, 6, 10, 11, 12, 13 | OFDM | BPSK | 6 Mb/s |
| VHT20 (output power only) | 1 to 13 | 1, 2, 6, 10, 11, 12, 13 | OFDM | BPSK | MCS0 |
| VHT40 (output power only) | 3 to 11 | 3, 4, 6, 8, 9, 10, 11 | OFDM | BPSK | MCS0 |
| 802.11ax (HE20) | 1 to 13 | 1, 2, 6, 10, 11, 12, 13 | OFDMA | BPSK | MCS0 |
| 802.11ax (HE40) | 3 to 11 | 3, 4, 6, 8, 9, 10, 11 | OFDMA | BPSK | MCS0 |

**Test Condition:**

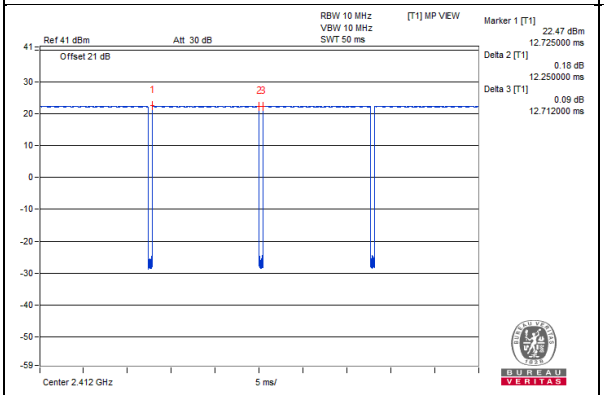
| APPLICABLE TO | ENVIRONMENTAL CONDITIONS | INPUT POWER (System) | TESTED BY |
|---|---|---|---|
| RE≥1G | 23deg. C, 67%RH | 120Vac, 60Hz | Eric Peng |
| RE<1G | 24deg. C, 68%RH | 120Vac, 60Hz | Tom Yang |
| PLC | 25deg. C, 68%RH | 120Vac, 60Hz | Tom Yang |
| APCM | 25deg. C, 60%RH | 120Vac, 60Hz | Kevin Ko |

### 3.3 Duty Cycle of Test Signal

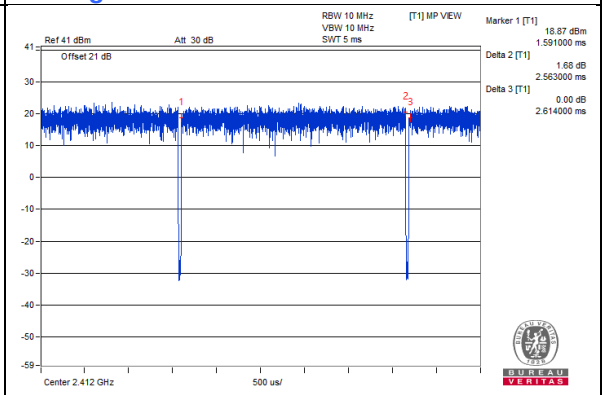
If duty cycle of test signal is ≥ 98 %, duty factor is not required.
If duty cycle of test signal is < 98%, duty factor shall be considered.

**802.11b:** Duty cycle = 12.25 ms /12.712 ms=0.964, Duty factor = 10 * log (1/Duty cycle) = 0.16 dB
**802.11g:** Duty cycle = 2.563 ms /2.614 ms=0.98
**802.11ax (HE20):** Duty cycle = 4.723 ms /5.336 ms=0.885, Duty factor = 10 * log (1/Duty cycle) = 0.53 dB
**802.11ax (HE40):** Duty cycle = 3.785 ms /4.49 ms=0.843, Duty factor = 10 * log (1/Duty cycle) = 0.74 dB

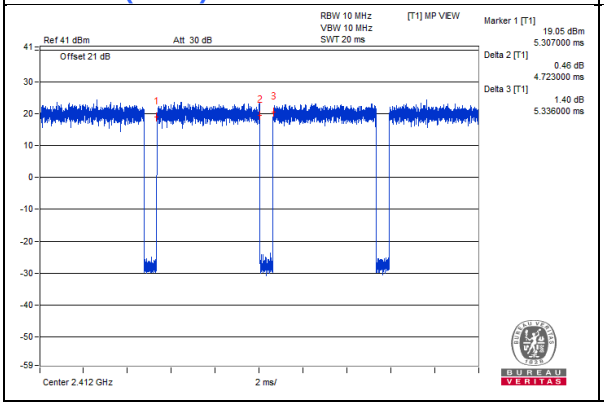
**802.11b**



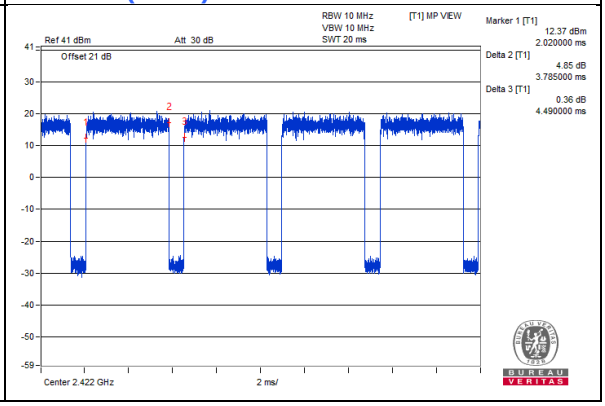

**802.11g**




**802.11ax (HE20)**




**802.11ax (HE40)**



## 3.4 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

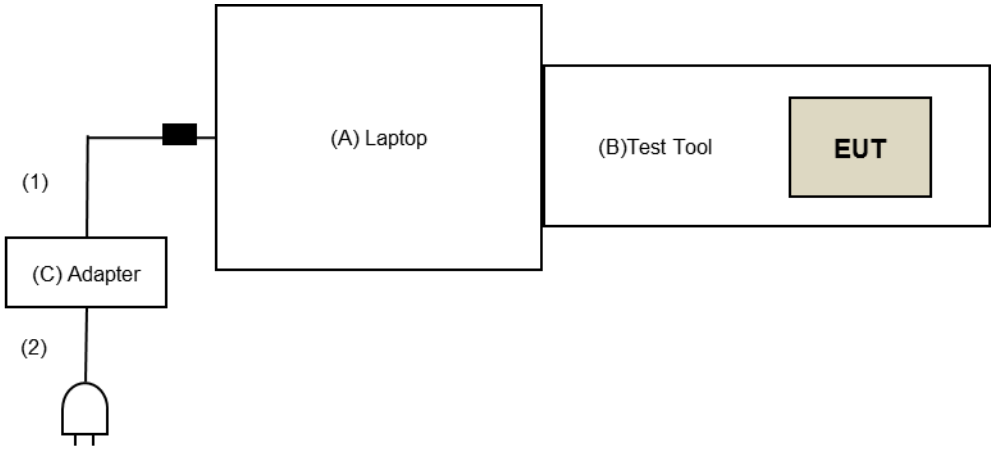
| ID | Product | Brand | Model No. | Serial No. | FCC ID | Remarks |
|---|---|---|---|---|---|---|
| A. | Laptop | DELL | E6440 | H7LYQ32 | FCC DoC | Provided by Lab |
| B. | Test Tool | MTK | NA | NA | NA | Supplied by client |
| C. | Adapter | Dell | FA65NE0-00 | NA | NA | Provided by Lab |

| ID | Descriptions | Qty. | Length (m) | Shielding (Yes/No) | Cores (Qty.) | Remarks |
|---|---|---|---|---|---|---|
| 1. | DC Cable | 1 | 1.6 | No | 1 | Provided by Lab |
| 2. | AC Cable | 1 | 1 | No | 0 | Provided by Lab |

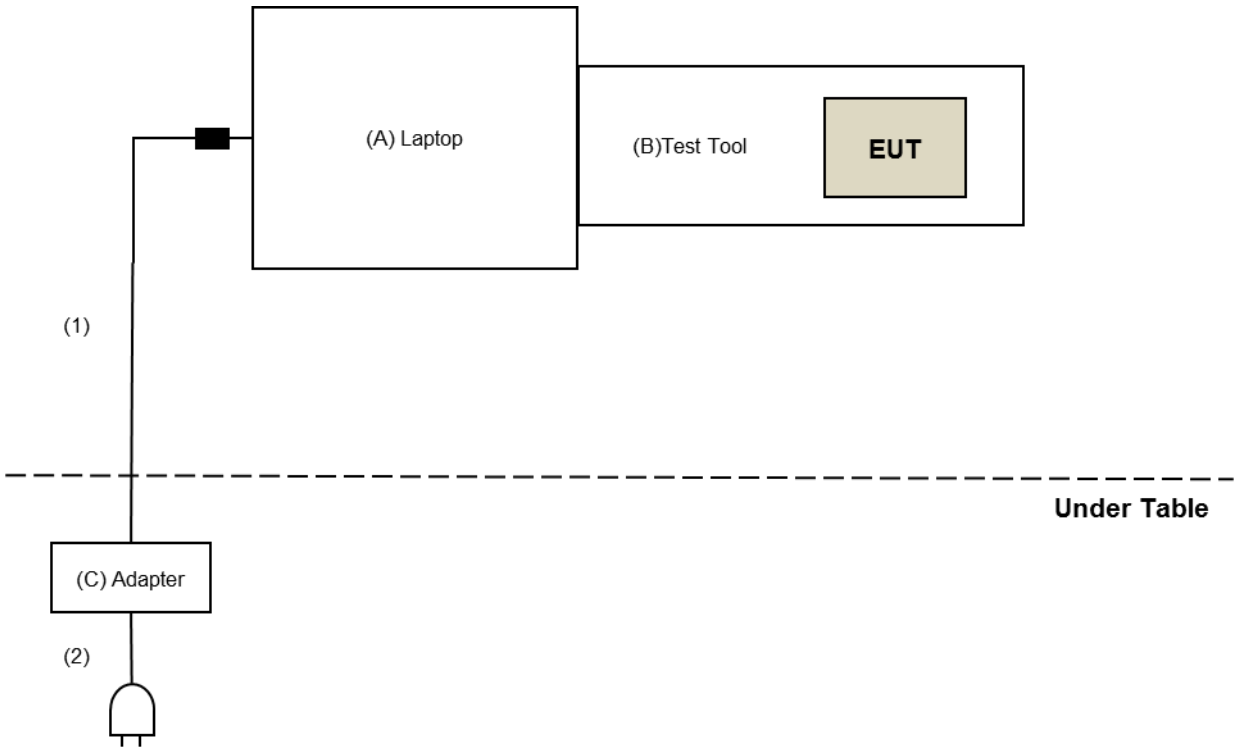
Note: The core(s) is(are) originally attached to the cable(s).

### 3.4.1 Configuration of System under Test

For Conducted Emissions test:




For Radiated Emissions test:



## 3.5 General Description of Applied Standards and References

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards and references:

**Test Standard:**

**FCC Part 15, Subpart C (15.247)**

**ANSI C63.10-2013**

All test items have been performed and recorded as per the above standards.

**References Test Guidance:**

**KDB 558074 D01 15.247 Meas Guidance v05r02**

**KDB 662911 D01 Multiple Transmitter Output v02r01**

All test items have been performed as a reference to the above KDB test guidance.

# 4 Test Types and Results

## 4.1 Radiated Emission and Bandedge Measurement

### 4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

| 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 |

**Note:**

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 1000MHz, 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 20dB under any condition of modulation.

4.1.2 Test Instruments

**For Radiated Emission and Band-Edge Test:**

| DESCRIPTION & MANUFACTURER | MODEL NO. | SERIAL NO. | CALIBRATED DATE | CALIBRATED UNTIL |
|---|---|---|---|---|
| Test Receiver Keysight | N9038A | MY54450088 | July 06, 2020 | July 05, 2021 |
| Pre-Amplifier EMCI | EMC001340 | 980142 | May 25, 2020 | May 24, 2021 |
| Loop Antenna Electro-Metrics | EM-6879 | 264 | Feb. 18, 2020 | Feb. 17, 2021 |
| RF Cable | NA | LOOPCAB-001 | Jan. 08, 2020 | Jan. 07, 2021 |
| RF Cable | NA | LOOPCAB-002 | Jan. 08, 2020 | Jan. 07, 2021 |
| Pre-Amplifier Mini-Circuits | ZFL-1000VH2B | AMP-ZFL-05 | Apr. 28, 2020 | Apr. 27, 2021 |
| Trilog Broadband Antenna SCHWARZBECK | VULB 9168 | 9168-361 | Nov. 11, 2019 | Nov. 10, 2020 |
| RF Cable | 8D | 966-3-1 | Mar. 17, 2020 | Mar. 16, 2021 |
| RF Cable | 8D | 966-3-2 | Mar. 17, 2020 | Mar. 16, 2021 |
| RF Cable | 8D | 966-3-3 | Mar. 17, 2020 | Mar. 16, 2021 |
| Fixed attenuator Mini-Circuits | UNAT-5+ | PAD-3m-3-01 | Sep. 26, 2019 | Sep. 25, 2020 |
| Horn_Antenna SCHWARZBECK | BBHA9120-D | 9120D-406 | Nov. 24, 2019 | Nov. 23, 2020 |
| Pre-Amplifier EMCI | EMC12630SE | 980384 | Jan. 15, 2020 | Jan. 14, 2021 |
| RF Cable | EMC104-SM-SM-1200 | 160922 | Jan. 15, 2020 | Jan. 14, 2021 |
| RF Cable | EMC104-SM-SM-2000 | 180601 | June 09, 2020 | June 08, 2021 |
| RF Cable | EMC104-SM-SM-6000 | 180602 | June 09, 2020 | June 08, 2021 |
| Spectrum Analyzer Keysight | N9030A | MY55330160 | Feb. 07, 2020 | Feb. 06, 2021 |
| Pre-Amplifier EMCI | EMC184045SE | 980387 | Jan. 15, 2020 | Jan. 14, 2021 |
| Horn_Antenna SCHWARZBECK | BBHA 9170 | BBHA9170519 | Nov. 24, 2019 | Nov. 23, 2020 |
| RF Cable | EMC102-KM-KM-1200 | 160924 | Jan. 15, 2020 | Jan. 14, 2021 |
| RF Cable | EMC-KM-KM-4000 | 200214 | Mar. 11, 2020 | Mar. 10, 2021 |
| Software | ADT_Radiated_V8.7.08 | NA | NA | NA |
| Antenna Tower & Turn Table Max-Full | MF-7802 | MF780208406 | NA | NA |
| Boresight Antenna Fixture | FBA-01 | FBA-SIP01 | NA | NA |

**Note:**

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 3.
3. Tested Date: Aug. 31 to Sep. 20, 2020

**For other test items:**

| DESCRIPTION & MANUFACTURER | MODEL NO. | SERIAL NO. | CALIBRATED DATE | CALIBRATED UNTIL |
|---|---|---|---|---|
| Spectrum Analyzer R&S | FSV40 | 100964 | May 29, 2020 | May 28, 2021 |
| Power meter Anritsu | ML2495A | 1529002 | July 22, 2020 | July 21, 2021 |
| Power sensor Anritsu | MA2411B | 1339443 | July 22, 2020 | July 21, 2021 |
| Fixed Attenuator Mini-Circuits | MDCS18N-10 | MDCS18N-10-01 | Apr. 14, 2020 | Apr. 13, 2021 |
| Software | ADT_RF Test Software V6.6.5.4 | NA | NA | NA |

**NOTE:** 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. Tested Date: Sep. 18, 2020

4.1.3 Test Procedures

**For Radiated emission below 30MHz**

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

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

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

d. 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. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

**NOTE:**

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

**For Radiated emission above 30MHz**

a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

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

c. 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.

d. 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. 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.

f. 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.

**Note:**

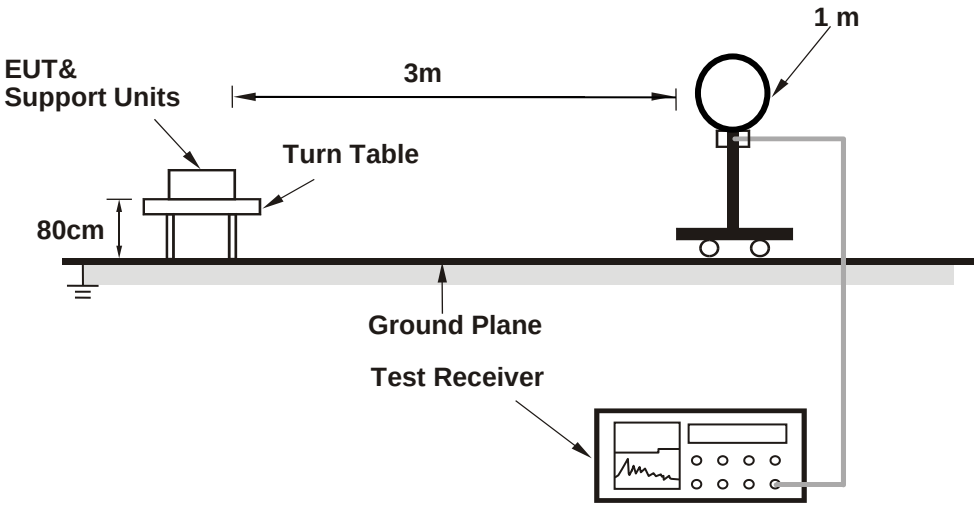
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

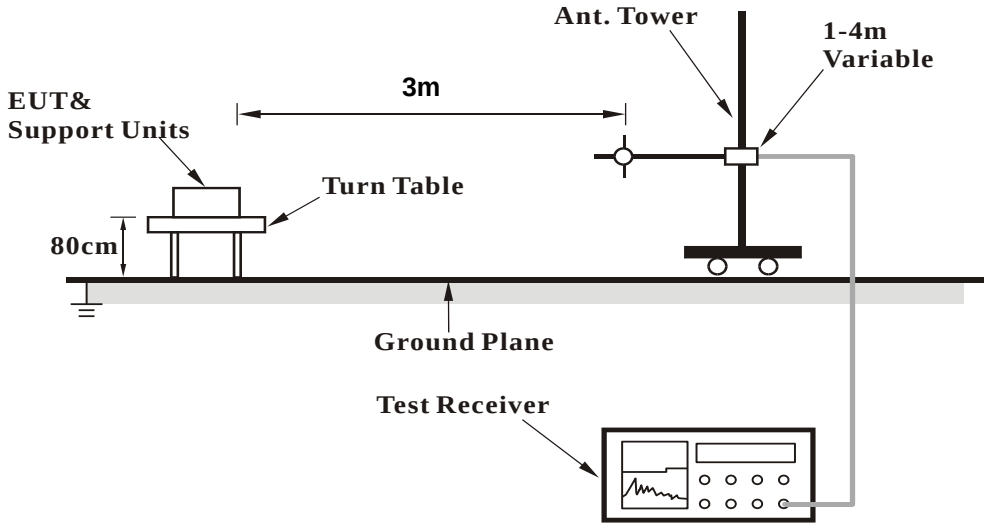
No deviation.

4.1.5 Test Setup

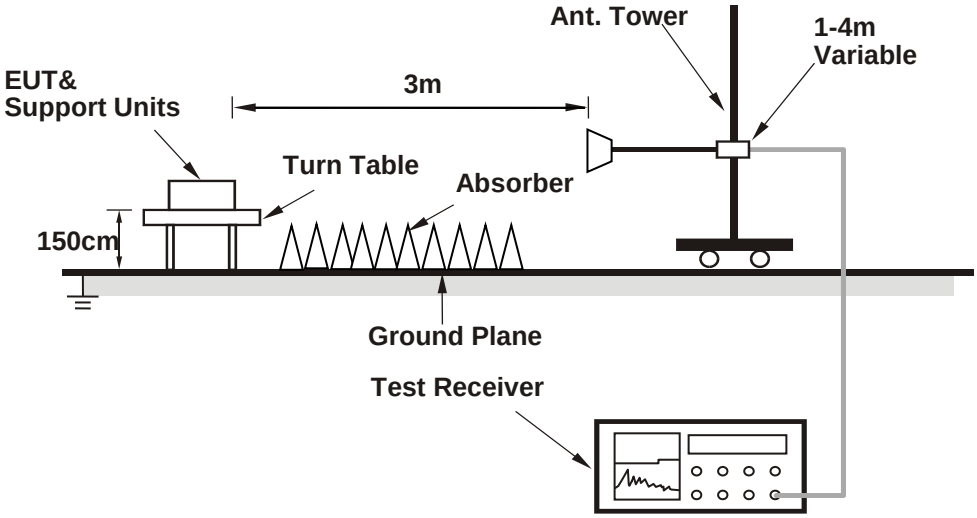
**For Radiated emission below 30MHz**




**For Radiated emission 30MHz to 1GHz**



**For Radiated emission above 1GHz**




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

1.1.1 EUT Operating Conditions

a. Connected the EUT with the Laptop which is placed on the testing table.
b. Controlling software (MT7961 QA 0.0.2.33) has been activated to set the EUT under transmission condition continuously at specific channel frenquency.

4.1.6 Test Results (Mode 1)

**Above 1GHz Data：**

**802.11b**

| **Channel** | TX Channel 1 | **Detector Function** | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| **Frequency Range** | 1GHz ~ 25GHz | | |

| **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 | 2390.00 | 55.8 PK | 74.0 | -18.2 | 3.56 H | 310 | 57.7 | -1.9 |
| 2 | 2390.00 | 45.5 AV | 54.0 | -8.5 | 3.56 H | 310 | 47.4 | -1.9 |
| 3 | *2412.00 | 107.0 PK | | | 3.56 H | 310 | 108.9 | -1.9 |
| 4 | *2412.00 | 105.0 AV | | | 3.56 H | 310 | 106.9 | -1.9 |
| 5 | 4824.00 | 50.8 PK | 74.0 | -23.2 | 1.05 H | 71 | 47.9 | 2.9 |
| 6 | 4824.00 | 49.2 AV | 54.0 | -4.8 | 1.05 H | 71 | 46.3 | 2.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 2390.00 | 55.5 PK | 74.0 | -18.5 | 2.41 V | 302 | 57.4 | -1.9 |
| 2 | 2390.00 | 45.3 AV | 54.0 | -8.7 | 2.41 V | 302 | 47.2 | -1.9 |
| 3 | *2412.00 | 107.3 PK | | | 2.41 V | 302 | 109.2 | -1.9 |
| 4 | *2412.00 | 105.1 AV | | | 2.41 V | 302 | 107.0 | -1.9 |
| 5 | 4824.00 | 49.9 PK | 74.0 | -24.1 | 1.96 V | 63 | 47.0 | 2.9 |
| 6 | 4824.00 | 47.7 AV | 54.0 | -6.3 | 1.96 V | 63 | 44.8 | 2.9 |

**Remarks:**

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

| Channel | TX Channel 2 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 54.3 PK | 74.0 | -19.7 | 3.59 H | 308 | 56.2 | -1.9 |
| 2 | 2390.00 | 44.1 AV | 54.0 | -9.9 | 3.59 H | 308 | 46.0 | -1.9 |
| 3 | *2417.00 | 107.1 PK | | | 3.59 H | 308 | 109.0 | -1.9 |
| 4 | *2417.00 | 105.2 AV | | | 3.59 H | 308 | 107.1 | -1.9 |
| 5 | 4834.00 | 50.8 PK | 74.0 | -23.2 | 1.00 H | 66 | 47.9 | 2.9 |
| 6 | 4834.00 | 49.2 AV | 54.0 | -4.8 | 1.00 H | 66 | 46.3 | 2.9 |
| 7 | 7251.00 | 48.3 PK | 74.0 | -25.7 | 1.79 H | 308 | 39.5 | 8.8 |
| 8 | 7251.00 | 43.0 AV | 54.0 | -11.0 | 1.79 H | 308 | 34.2 | 8.8 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 54.3 PK | 74.0 | -19.7 | 2.10 V | 314 | 56.2 | -1.9 |
| 2 | 2390.00 | 44.2 AV | 54.0 | -9.8 | 2.10 V | 314 | 46.1 | -1.9 |
| 3 | *2417.00 | 107.7 PK | | | 2.10 V | 314 | 109.6 | -1.9 |
| 4 | *2417.00 | 105.4 AV | | | 2.10 V | 314 | 107.3 | -1.9 |
| 5 | 4834.00 | 49.6 PK | 74.0 | -24.4 | 2.01 V | 75 | 46.7 | 2.9 |
| 6 | 4834.00 | 47.7 AV | 54.0 | -6.3 | 2.01 V | 75 | 44.8 | 2.9 |
| 7 | 7251.00 | 49.6 PK | 74.0 | -24.4 | 1.62 V | 190 | 40.8 | 8.8 |
| 8 | 7251.00 | 44.8 AV | 54.0 | -9.2 | 1.62 V | 190 | 36.0 | 8.8 |

**Remarks:**

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

| Channel | TX Channel 6 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 54.6 PK | 74.0 | -19.4 | 3.51 H | 323 | 56.5 | -1.9 |
| 2 | 2390.00 | 43.5 AV | 54.0 | -10.5 | 3.51 H | 323 | 45.4 | -1.9 |
| 3 | *2437.00 | 106.3 PK | | | 3.51 H | 323 | 108.3 | -2.0 |
| 4 | *2437.00 | 104.5 AV | | | 3.51 H | 323 | 106.5 | -2.0 |
| 5 | 2483.50 | 54.5 PK | 74.0 | -19.5 | 3.51 H | 323 | 56.4 | -1.9 |
| 6 | 2483.50 | 42.2 AV | 54.0 | -11.8 | 3.51 H | 323 | 44.1 | -1.9 |
| 7 | 4874.00 | 50.7 PK | 74.0 | -23.3 | 1.00 H | 72 | 47.9 | 2.8 |
| 8 | 4874.00 | 48.9 AV | 54.0 | -5.1 | 1.00 H | 72 | 46.1 | 2.8 |
| 9 | 7311.00 | 48.3 PK | 74.0 | -25.7 | 1.80 H | 317 | 39.4 | 8.9 |
| 10 | 7311.00 | 43.1 AV | 54.0 | -10.9 | 1.80 H | 317 | 34.2 | 8.9 |
| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 54.9 PK | 74.0 | -19.1 | 2.11 V | 301 | 56.8 | -1.9 |
| 2 | 2390.00 | 43.9 AV | 54.0 | -10.1 | 2.11 V | 301 | 45.8 | -1.9 |
| 3 | *2437.00 | 107.5 PK | | | 2.11 V | 301 | 109.5 | -2.0 |
| 4 | *2437.00 | 105.6 AV | | | 2.11 V | 301 | 107.6 | -2.0 |
| 5 | 2483.50 | 54.3 PK | 74.0 | -19.7 | 2.11 V | 301 | 56.2 | -1.9 |
| 6 | 2483.50 | 42.0 AV | 54.0 | -12.0 | 2.11 V | 301 | 43.9 | -1.9 |
| 7 | 4874.00 | 49.7 PK | 74.0 | -24.3 | 1.98 V | 67 | 46.9 | 2.8 |
| 8 | 4874.00 | 47.8 AV | 54.0 | -6.2 | 1.98 V | 67 | 45.0 | 2.8 |
| 9 | 7311.00 | 49.5 PK | 74.0 | -24.5 | 1.66 V | 175 | 40.6 | 8.9 |
| 10 | 7311.00 | 44.6 AV | 54.0 | -9.4 | 1.66 V | 175 | 35.7 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 10 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2457.00 | 106.5 PK | | | 3.89 H | 329 | 108.4 | -1.9 |
| 2 | *2457.00 | 104.3 AV | | | 3.89 H | 329 | 106.2 | -1.9 |
| 3 | 2483.50 | 55.7 PK | 74.0 | -18.3 | 3.89 H | 329 | 57.6 | -1.9 |
| 4 | 2483.50 | 44.3 AV | 54.0 | -9.7 | 3.89 H | 329 | 46.2 | -1.9 |
| 5 | 4914.00 | 50.9 PK | 74.0 | -23.1 | 1.09 H | 61 | 48.2 | 2.7 |
| 6 | 4914.00 | 49.4 AV | 54.0 | -4.6 | 1.09 H | 61 | 46.7 | 2.7 |
| 7 | 7371.00 | 47.9 PK | 74.0 | -26.1 | 1.77 H | 298 | 39.0 | 8.9 |
| 8 | 7371.00 | 42.6 AV | 54.0 | -11.4 | 1.77 H | 298 | 33.7 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2457.00 | 107.1 PK | | | 2.14 V | 293 | 109.0 | -1.9 |
| 2 | *2457.00 | 105.2 AV | | | 2.14 V | 293 | 107.1 | -1.9 |
| 3 | 2483.50 | 54.6 PK | 74.0 | -19.4 | 2.14 V | 293 | 56.5 | -1.9 |
| 4 | 2483.50 | 44.0 AV | 54.0 | -10.0 | 2.14 V | 293 | 45.9 | -1.9 |
| 5 | 4914.00 | 49.1 PK | 74.0 | -24.9 | 1.97 V | 55 | 46.4 | 2.7 |
| 6 | 4914.00 | 47.3 AV | 54.0 | -6.7 | 1.97 V | 55 | 44.6 | 2.7 |
| 7 | 7371.00 | 49.0 PK | 74.0 | -25.0 | 1.69 V | 171 | 40.1 | 8.9 |
| 8 | 7371.00 | 44.2 AV | 54.0 | -9.8 | 1.69 V | 171 | 35.3 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 11 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2462.00 | 106.1 PK | | | 3.92 H | 316 | 108.0 | -1.9 |
| 2 | *2462.00 | 104.1 AV | | | 3.92 H | 316 | 106.0 | -1.9 |
| 3 | 2486.57 | 55.3 PK | 74.0 | -18.7 | 3.92 H | 316 | 57.2 | -1.9 |
| 4 | 2486.57 | 46.0 AV | 54.0 | -8.0 | 3.92 H | 316 | 47.9 | -1.9 |
| 5 | 4924.00 | 50.2 PK | 74.0 | -23.8 | 1.05 H | 68 | 47.5 | 2.7 |
| 6 | 4924.00 | 48.7 AV | 54.0 | -5.3 | 1.05 H | 68 | 46.0 | 2.7 |
| 7 | 7386.00 | 48.3 PK | 74.0 | -25.7 | 1.76 H | 311 | 39.3 | 9.0 |
| 8 | 7386.00 | 42.7 AV | 54.0 | -11.3 | 1.76 H | 311 | 33.7 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2462.00 | 106.9 PK | | | 2.32 V | 170 | 108.8 | -1.9 |
| 2 | *2462.00 | 104.7 AV | | | 2.32 V | 170 | 106.6 | -1.9 |
| 3 | 2486.50 | 56.0 PK | 74.0 | -18.0 | 2.32 V | 170 | 57.9 | -1.9 |
| 4 | 2486.50 | 47.0 AV | 54.0 | -7.0 | 2.32 V | 170 | 48.9 | -1.9 |
| 5 | 4924.00 | 49.2 PK | 74.0 | -24.8 | 1.97 V | 88 | 46.5 | 2.7 |
| 6 | 4924.00 | 47.3 AV | 54.0 | -6.7 | 1.97 V | 88 | 44.6 | 2.7 |
| 7 | 7386.00 | 49.1 PK | 74.0 | -24.9 | 1.68 V | 201 | 40.1 | 9.0 |
| 8 | 7386.00 | 44.6 AV | 54.0 | -9.4 | 1.68 V | 201 | 35.6 | 9.0 |

**Remarks:**

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

| Channel | TX Channel 12 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2467.00 | 107.5 PK | | | 2.73 H | 311 | 109.4 | -1.9 |
| 2 | *2467.00 | 105.5 AV | | | 2.73 H | 311 | 107.4 | -1.9 |
| 3 | 2484.64 | 55.5 PK | 74.0 | -18.5 | 2.73 H | 311 | 57.4 | -1.9 |
| 4 | 2484.64 | 46.9 AV | 54.0 | -7.1 | 2.73 H | 311 | 48.8 | -1.9 |
| 5 | 4934.00 | 47.8 PK | 74.0 | -26.2 | 1.08 H | 84 | 45.1 | 2.7 |
| 6 | 4934.00 | 45.4 AV | 54.0 | -8.6 | 1.08 H | 84 | 42.7 | 2.7 |
| 7 | 7401.00 | 44.9 PK | 74.0 | -29.1 | 1.72 H | 318 | 36.0 | 8.9 |
| 8 | 7401.00 | 39.5 AV | 54.0 | -14.5 | 1.72 H | 318 | 30.6 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2467.00 | 104.5 PK | | | 1.77 V | 300 | 106.4 | -1.9 |
| 2 | *2467.00 | 102.4 AV | | | 1.77 V | 300 | 104.3 | -1.9 |
| 3 | 2485.20 | 56.5 PK | 74.0 | -17.5 | 1.77 V | 300 | 58.4 | -1.9 |
| 4 | 2485.20 | 48.0 AV | 54.0 | -6.0 | 1.77 V | 300 | 49.9 | -1.9 |
| 5 | 4934.00 | 46.9 PK | 74.0 | -27.1 | 1.94 V | 88 | 44.2 | 2.7 |
| 6 | 4934.00 | 44.3 AV | 54.0 | -9.7 | 1.94 V | 88 | 41.6 | 2.7 |
| 7 | 7401.00 | 46.8 PK | 74.0 | -27.2 | 1.67 V | 203 | 37.9 | 8.9 |
| 8 | 7401.00 | 41.6 AV | 54.0 | -12.4 | 1.67 V | 203 | 32.7 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 13 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2472.00 | 95.2 PK | | | 2.71 H | 313 | 97.1 | -1.9 |
| 2 | *2472.00 | 92.9 AV | | | 2.71 H | 313 | 94.8 | -1.9 |
| 3 | 2485.49 | 57.4 PK | 74.0 | -16.6 | 2.71 H | 313 | 59.3 | -1.9 |
| 4 | 2485.49 | 51.0 AV | 54.0 | -3.0 | 2.71 H | 313 | 52.9 | -1.9 |
| 5 | 4944.00 | 44.6 PK | 74.0 | -29.4 | 1.02 H | 64 | 41.8 | 2.8 |
| 6 | 4944.00 | 42.5 AV | 54.0 | -11.5 | 1.02 H | 64 | 39.7 | 2.8 |
| 7 | 7416.00 | 42.5 PK | 74.0 | -31.5 | 1.80 H | 312 | 33.5 | 9.0 |
| 8 | 7416.00 | 37.4 AV | 54.0 | -16.6 | 1.80 H | 312 | 28.4 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2472.00 | 99.6 PK | | | 2.62 V | 174 | 101.5 | -1.9 |
| 2 | *2472.00 | 97.5 AV | | | 2.62 V | 174 | 99.4 | -1.9 |
| 3 | 2490.15 | 55.1 PK | 74.0 | -18.9 | 2.62 V | 174 | 57.0 | -1.9 |
| 4 | 2490.15 | 45.5 AV | 54.0 | -8.5 | 2.62 V | 174 | 47.4 | -1.9 |
| 5 | 4944.00 | 43.5 PK | 74.0 | -30.5 | 1.94 V | 54 | 40.7 | 2.8 |
| 6 | 4944.00 | 41.1 AV | 54.0 | -12.9 | 1.94 V | 54 | 38.3 | 2.8 |
| 7 | 7416.00 | 45.7 PK | 74.0 | -28.3 | 1.60 V | 188 | 36.7 | 9.0 |
| 8 | 7416.00 | 40.1 AV | 54.0 | -13.9 | 1.60 V | 188 | 31.1 | 9.0 |

**Remarks:**

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

## 802.11g

| Channel | TX Channel 1 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2389.00 | 73.5 PK | 74.0 | -0.5 | 3.34 H | 321 | 75.4 | -1.9 |
| **2** | **2389.00** | **53.9 AV** | **54.0** | **-0.1** | **3.34 H** | **321** | **55.8** | **-1.9** |
| 3 | *2412.00 | 111.5 PK | | | 3.34 H | 321 | 113.4 | -1.9 |
| 4 | *2412.00 | 103.9 AV | | | 3.34 H | 321 | 105.8 | -1.9 |
| 5 | 4824.00 | 43.8 PK | 74.0 | -30.2 | 1.11 H | 68 | 40.9 | 2.9 |
| 6 | 4824.00 | 33.7 AV | 54.0 | -20.3 | 1.11 H | 68 | 30.8 | 2.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2386.99 | 70.2 PK | 74.0 | -3.8 | 1.35 V | 161 | 72.1 | -1.9 |
| 2 | 2386.99 | 50.8 AV | 54.0 | -3.2 | 1.35 V | 161 | 52.7 | -1.9 |
| 3 | 2390.00 | 69.9 PK | 74.0 | -4.1 | 1.35 V | 161 | 71.8 | -1.9 |
| 4 | 2390.00 | 53.5 AV | 54.0 | -0.5 | 1.35 V | 161 | 55.4 | -1.9 |
| 5 | *2412.00 | 109.5 PK | | | 1.35 V | 161 | 111.4 | -1.9 |
| 6 | *2412.00 | 101.4 AV | | | 1.35 V | 161 | 103.3 | -1.9 |
| 7 | 4824.00 | 43.4 PK | 74.0 | -30.6 | 2.00 V | 67 | 40.5 | 2.9 |
| 8 | 4824.00 | 33.4 AV | 54.0 | -20.6 | 2.00 V | 67 | 30.5 | 2.9 |

**Remarks:**

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

| Channel | TX Channel 2 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 72.6 PK | 74.0 | -1.4 | 3.07 H | 342 | 74.5 | -1.9 |
| 2 | 2390.00 | 53.6 AV | 54.0 | -0.4 | 3.07 H | 342 | 55.5 | -1.9 |
| 3 | *2417.00 | 112.5 PK | | | 3.07 H | 342 | 114.4 | -1.9 |
| 4 | *2417.00 | 104.0 AV | | | 3.07 H | 342 | 105.9 | -1.9 |
| 5 | 4834.00 | 43.9 PK | 74.0 | -30.1 | 1.10 H | 72 | 41.0 | 2.9 |
| 6 | 4834.00 | 33.8 AV | 54.0 | -20.2 | 1.10 H | 72 | 30.9 | 2.9 |
| 7 | 7251.00 | 50.7 PK | 74.0 | -23.3 | 1.67 H | 324 | 41.9 | 8.8 |
| 8 | 7251.00 | 38.8 AV | 54.0 | -15.2 | 1.67 H | 324 | 30.0 | 8.8 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 70.7 PK | 74.0 | -3.3 | 1.35 V | 160 | 72.6 | -1.9 |
| 2 | 2390.00 | 53.2 AV | 54.0 | -0.8 | 1.35 V | 160 | 55.1 | -1.9 |
| 3 | *2417.00 | 109.2 PK | | | 1.35 V | 160 | 111.1 | -1.9 |
| 4 | *2417.00 | 101.7 AV | | | 1.35 V | 160 | 103.6 | -1.9 |
| 5 | 4834.00 | 43.5 PK | 74.0 | -30.5 | 1.94 V | 64 | 40.6 | 2.9 |
| 6 | 4834.00 | 33.8 AV | 54.0 | -20.2 | 1.94 V | 64 | 30.9 | 2.9 |
| 7 | 7251.00 | 46.2 PK | 74.0 | -27.8 | 1.65 V | 202 | 37.4 | 8.8 |
| 8 | 7251.00 | 40.8 AV | 54.0 | -13.2 | 1.65 V | 202 | 32.0 | 8.8 |

**Remarks:**

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

| Channel | TX Channel 6 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 62.9 PK | 74.0 | -11.1 | 3.01 H | 332 | 64.8 | -1.9 |
| 2 | 2390.00 | 52.0 AV | 54.0 | -2.0 | 3.01 H | 332 | 53.9 | -1.9 |
| 3 | *2437.00 | 112.2 PK | | | 3.01 H | 332 | 114.2 | -2.0 |
| 4 | *2437.00 | 104.3 AV | | | 3.01 H | 332 | 106.3 | -2.0 |
| 5 | 2483.50 | 57.8 PK | 74.0 | -16.2 | 3.01 H | 332 | 59.7 | -1.9 |
| 6 | 2483.50 | 47.3 AV | 54.0 | -6.7 | 3.01 H | 332 | 49.2 | -1.9 |
| 7 | 4874.00 | 44.2 PK | 74.0 | -29.8 | 1.10 H | 67 | 41.4 | 2.8 |
| 8 | 4874.00 | 34.1 AV | 54.0 | -19.9 | 1.10 H | 67 | 31.3 | 2.8 |
| 9 | 7311.00 | 50.2 PK | 74.0 | -23.8 | 1.72 H | 309 | 41.3 | 8.9 |
| 10 | 7311.00 | 38.3 AV | 54.0 | -15.7 | 1.72 H | 309 | 29.4 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 62.5 PK | 74.0 | -11.5 | 1.39 V | 172 | 64.4 | -1.9 |
| 2 | 2390.00 | 51.8 AV | 54.0 | -2.2 | 1.39 V | 172 | 53.7 | -1.9 |
| 3 | *2437.00 | 109.8 PK | | | 1.39 V | 172 | 111.8 | -2.0 |
| 4 | *2437.00 | 101.9 AV | | | 1.39 V | 172 | 103.9 | -2.0 |
| 5 | 2483.50 | 57.5 PK | 74.0 | -16.5 | 1.39 V | 172 | 59.4 | -1.9 |
| 6 | 2483.50 | 47.2 AV | 54.0 | -6.8 | 1.39 V | 172 | 49.1 | -1.9 |
| 7 | 4874.00 | 43.8 PK | 74.0 | -30.2 | 1.98 V | 65 | 41.0 | 2.8 |
| 8 | 4874.00 | 34.0 AV | 54.0 | -20.0 | 1.98 V | 65 | 31.2 | 2.8 |
| 9 | 7311.00 | 46.1 PK | 74.0 | -27.9 | 1.61 V | 186 | 37.2 | 8.9 |
| 10 | 7311.00 | 40.6 AV | 54.0 | -13.4 | 1.61 V | 186 | 31.7 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 10 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2457.00 | 109.4 PK | | | 2.43 H | 325 | 111.3 | -1.9 |
| 2 | *2457.00 | 101.4 AV | | | 2.43 H | 325 | 103.3 | -1.9 |
| 3 | 2483.50 | 60.2 PK | 74.0 | -13.8 | 2.43 H | 325 | 62.1 | -1.9 |
| 4 | 2483.50 | 49.9 AV | 54.0 | -4.1 | 2.43 H | 325 | 51.8 | -1.9 |
| 5 | 4914.00 | 44.1 PK | 74.0 | -29.9 | 1.14 H | 58 | 41.4 | 2.7 |
| 6 | 4914.00 | 34.2 AV | 54.0 | -19.8 | 1.14 H | 58 | 31.5 | 2.7 |
| 7 | 7371.00 | 50.2 PK | 74.0 | -23.8 | 1.69 H | 319 | 41.3 | 8.9 |
| 8 | 7371.00 | 38.0 AV | 54.0 | -16.0 | 1.69 H | 319 | 29.1 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2457.00 | 108.7 PK | | | 1.35 V | 156 | 110.6 | -1.9 |
| 2 | *2457.00 | 101.5 AV | | | 1.35 V | 156 | 103.4 | -1.9 |
| 3 | 2483.50 | 60.6 PK | 74.0 | -13.4 | 1.35 V | 156 | 62.5 | -1.9 |
| 4 | 2483.50 | 49.7 AV | 54.0 | -4.3 | 1.35 V | 156 | 51.6 | -1.9 |
| 5 | 4914.00 | 43.8 PK | 74.0 | -30.2 | 2.02 V | 54 | 41.1 | 2.7 |
| 6 | 4914.00 | 33.8 AV | 54.0 | -20.2 | 2.02 V | 54 | 31.1 | 2.7 |
| 7 | 7371.00 | 46.5 PK | 74.0 | -27.5 | 1.58 V | 172 | 37.6 | 8.9 |
| 8 | 7371.00 | 41.0 AV | 54.0 | -13.0 | 1.58 V | 172 | 32.1 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 11 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2462.00 | 109.3 PK | | | 2.42 H | 328 | 111.2 | -1.9 |
| 2 | *2462.00 | 101.4 AV | | | 2.42 H | 328 | 103.3 | -1.9 |
| 3 | 2484.40 | 66.9 PK | 74.0 | -7.1 | 2.42 H | 328 | 68.8 | -1.9 |
| 4 | 2484.40 | 51.4 AV | 54.0 | -2.6 | 2.42 H | 328 | 53.3 | -1.9 |
| 5 | 4924.00 | 44.4 PK | 74.0 | -29.6 | 1.13 H | 57 | 41.7 | 2.7 |
| 6 | 4924.00 | 34.2 AV | 54.0 | -19.8 | 1.13 H | 57 | 31.5 | 2.7 |
| 7 | 7386.00 | 50.6 PK | 74.0 | -23.4 | 1.77 H | 305 | 41.6 | 9.0 |
| 8 | 7386.00 | 38.8 AV | 54.0 | -15.2 | 1.77 H | 305 | 29.8 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2462.00 | 109.5 PK | | | 1.85 V | 300 | 111.4 | -1.9 |
| 2 | *2462.00 | 100.6 AV | | | 1.85 V | 300 | 102.5 | -1.9 |
| 3 | 2485.30 | 64.8 PK | 74.0 | -9.2 | 1.85 V | 300 | 66.7 | -1.9 |
| 4 | 2485.30 | 51.2 AV | 54.0 | -2.8 | 1.85 V | 300 | 53.1 | -1.9 |
| 5 | 4924.00 | 43.3 PK | 74.0 | -30.7 | 1.99 V | 52 | 40.6 | 2.7 |
| 6 | 4924.00 | 33.6 AV | 54.0 | -20.4 | 1.99 V | 52 | 30.9 | 2.7 |
| 7 | 7386.00 | 45.3 PK | 74.0 | -28.7 | 1.60 V | 183 | 36.3 | 9.0 |
| 8 | 7386.00 | 40.1 AV | 54.0 | -13.9 | 1.60 V | 183 | 31.1 | 9.0 |

**Remarks:**

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

| Channel | TX Channel 12 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2467.00 | 106.6 PK | | | 2.86 H | 328 | 108.5 | -1.9 |
| 2 | *2467.00 | 99.5 AV | | | 2.86 H | 328 | 101.4 | -1.9 |
| 3 | 2483.50 | 66.9 PK | 74.0 | -7.1 | 2.86 H | 328 | 68.8 | -1.9 |
| 4 | 2483.50 | 50.5 AV | 54.0 | -3.5 | 2.86 H | 328 | 52.4 | -1.9 |
| 5 | 4934.00 | 43.3 PK | 74.0 | -30.7 | 1.08 H | 78 | 40.6 | 2.7 |
| 6 | 4934.00 | 32.6 AV | 54.0 | -21.4 | 1.08 H | 78 | 29.9 | 2.7 |
| 7 | 7401.00 | 45.7 PK | 74.0 | -28.3 | 1.73 H | 323 | 36.8 | 8.9 |
| 8 | 7401.00 | 34.9 AV | 54.0 | -19.1 | 1.73 H | 323 | 26.0 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2467.00 | 103.2 PK | | | 1.23 V | 19 | 105.1 | -1.9 |
| 2 | *2467.00 | 95.1 AV | | | 1.23 V | 19 | 97.0 | -1.9 |
| 3 | 2483.50 | 67.1 PK | 74.0 | -6.9 | 1.23 V | 19 | 69.0 | -1.9 |
| 4 | 2483.50 | 46.0 AV | 54.0 | -8.0 | 1.23 V | 19 | 47.9 | -1.9 |
| 5 | 4934.00 | 41.1 PK | 74.0 | -32.9 | 1.92 V | 47 | 38.4 | 2.7 |
| 6 | 4934.00 | 32.3 AV | 54.0 | -21.7 | 1.92 V | 47 | 29.6 | 2.7 |
| 7 | 7401.00 | 46.5 PK | 74.0 | -27.5 | 1.76 V | 190 | 37.6 | 8.9 |
| 8 | 7401.00 | 35.8 AV | 54.0 | -18.2 | 1.76 V | 190 | 26.9 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 13 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2472.00 | 100.9 PK | | | 2.83 H | 326 | 102.8 | -1.9 |
| 2 | *2472.00 | 93.4 AV | | | 2.83 H | 326 | 95.3 | -1.9 |
| 3 | 2483.50 | 60.7 PK | 74.0 | -13.3 | 2.83 H | 326 | 62.6 | -1.9 |
| 4 | 2483.50 | 50.0 AV | 54.0 | -4.0 | 2.83 H | 326 | 51.9 | -1.9 |
| 5 | 4944.00 | 43.6 PK | 74.0 | -30.4 | 1.12 H | 78 | 40.8 | 2.8 |
| 6 | 4944.00 | 33.0 AV | 54.0 | -21.0 | 1.12 H | 78 | 30.2 | 2.8 |
| 7 | 7416.00 | 43.9 PK | 74.0 | -30.1 | 1.70 H | 322 | 34.9 | 9.0 |
| 8 | 7416.00 | 31.7 AV | 54.0 | -22.3 | 1.70 H | 322 | 22.7 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2472.00 | 101.0 PK | | | 1.47 V | 156 | 102.9 | -1.9 |
| 2 | *2472.00 | 89.0 AV | | | 1.47 V | 156 | 90.9 | -1.9 |
| 3 | 2483.50 | 56.8 PK | 74.0 | -17.2 | 1.47 V | 156 | 58.7 | -1.9 |
| 4 | 2483.50 | 45.4 AV | 54.0 | -8.6 | 1.47 V | 156 | 47.3 | -1.9 |
| 5 | 4944.00 | 41.5 PK | 74.0 | -32.5 | 1.91 V | 50 | 38.7 | 2.8 |
| 6 | 4944.00 | 32.7 AV | 54.0 | -21.3 | 1.91 V | 50 | 29.9 | 2.8 |
| 7 | 7416.00 | 43.4 PK | 74.0 | -30.6 | 1.77 V | 179 | 34.4 | 9.0 |
| 8 | 7416.00 | 32.6 AV | 54.0 | -21.4 | 1.77 V | 179 | 23.6 | 9.0 |

**Remarks:**

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

### 802.11ax (HE20)

| Channel | TX Channel 1 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 73.1 PK | 74.0 | -0.9 | 3.01 H | 331 | 75.0 | -1.9 |
| 2 | 2390.00 | 53.5 AV | 54.0 | -0.5 | 3.01 H | 331 | 55.4 | -1.9 |
| 3 | *2412.00 | 113.0 PK | | | 3.01 H | 331 | 114.9 | -1.9 |
| 4 | *2412.00 | 103.0 AV | | | 3.01 H | 331 | 104.9 | -1.9 |
| 5 | 4824.00 | 44.6 PK | 74.0 | -29.4 | 1.06 H | 63 | 41.7 | 2.9 |
| 6 | 4824.00 | 33.9 AV | 54.0 | -20.1 | 1.06 H | 63 | 31.0 | 2.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2388.73 | 68.5 PK | 74.0 | -5.5 | 1.72 V | 293 | 70.4 | -1.9 |
| 2 | 2388.73 | 52.0 AV | 54.0 | -2.0 | 1.72 V | 293 | 53.9 | -1.9 |
| 3 | *2412.00 | 110.6 PK | | | 1.72 V | 293 | 112.5 | -1.9 |
| 4 | *2412.00 | 99.8 AV | | | 1.72 V | 293 | 101.7 | -1.9 |
| 5 | 4824.00 | 43.2 PK | 74.0 | -30.8 | 1.95 V | 40 | 40.3 | 2.9 |
| 6 | 4824.00 | 33.6 AV | 54.0 | -20.4 | 1.95 V | 40 | 30.7 | 2.9 |

**Remarks:**

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

| Channel | TX Channel 2 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 68.3 PK | 74.0 | -5.7 | 2.58 H | 310 | 70.2 | -1.9 |
| 2 | 2390.00 | 53.6 AV | 54.0 | -0.4 | 2.58 H | 310 | 55.5 | -1.9 |
| 3 | *2417.00 | 113.4 PK | | | 2.58 H | 310 | 115.3 | -1.9 |
| 4 | *2417.00 | 103.6 AV | | | 2.58 H | 310 | 105.5 | -1.9 |
| 5 | 4834.00 | 44.8 PK | 74.0 | -29.2 | 1.01 H | 63 | 41.9 | 2.9 |
| 6 | 4834.00 | 34.3 AV | 54.0 | -19.7 | 1.01 H | 63 | 31.4 | 2.9 |
| 7 | 7251.00 | 50.2 PK | 74.0 | -23.8 | 1.75 H | 304 | 41.4 | 8.8 |
| 8 | 7251.00 | 38.3 AV | 54.0 | -15.7 | 1.75 H | 304 | 29.5 | 8.8 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 67.6 PK | 74.0 | -6.4 | 1.36 V | 162 | 69.5 | -1.9 |
| 2 | 2390.00 | 52.9 AV | 54.0 | -1.1 | 1.36 V | 162 | 54.8 | -1.9 |
| 3 | *2417.00 | 110.3 PK | | | 1.36 V | 162 | 112.2 | -1.9 |
| 4 | *2417.00 | 100.7 AV | | | 1.36 V | 162 | 102.6 | -1.9 |
| 5 | 4834.00 | 43.4 PK | 74.0 | -30.6 | 2.08 V | 52 | 40.5 | 2.9 |
| 6 | 4834.00 | 33.7 AV | 54.0 | -20.3 | 2.08 V | 52 | 30.8 | 2.9 |
| 7 | 7251.00 | 45.5 PK | 74.0 | -28.5 | 1.68 V | 186 | 36.7 | 8.8 |
| 8 | 7251.00 | 39.8 AV | 54.0 | -14.2 | 1.68 V | 186 | 31.0 | 8.8 |

**Remarks:**

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

| Channel | TX Channel 6 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 62.1 PK | 74.0 | -11.9 | 2.61 H | 332 | 64.0 | -1.9 |
| 2 | 2390.00 | 51.6 AV | 54.0 | -2.4 | 2.61 H | 332 | 53.5 | -1.9 |
| 3 | *2437.00 | 113.3 PK | | | 2.61 H | 332 | 115.3 | -2.0 |
| 4 | *2437.00 | 103.5 AV | | | 2.61 H | 332 | 105.5 | -2.0 |
| 5 | 2483.50 | 58.4 PK | 74.0 | -15.6 | 2.61 H | 332 | 60.3 | -1.9 |
| 6 | 2483.50 | 47.3 AV | 54.0 | -6.7 | 2.61 H | 332 | 49.2 | -1.9 |
| 7 | 4874.00 | 44.2 PK | 74.0 | -29.8 | 1.04 H | 78 | 41.4 | 2.8 |
| 8 | 4874.00 | 33.9 AV | 54.0 | -20.1 | 1.04 H | 78 | 31.1 | 2.8 |
| 9 | 7311.00 | 50.4 PK | 74.0 | -23.6 | 1.69 H | 317 | 41.5 | 8.9 |
| 10 | 7311.00 | 38.5 AV | 54.0 | -15.5 | 1.69 H | 317 | 29.6 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 60.5 PK | 74.0 | -13.5 | 1.35 V | 164 | 62.4 | -1.9 |
| 2 | 2390.00 | 50.1 AV | 54.0 | -3.9 | 1.35 V | 164 | 52.0 | -1.9 |
| 3 | *2437.00 | 110.3 PK | | | 1.35 V | 164 | 112.3 | -2.0 |
| 4 | *2437.00 | 101.4 AV | | | 1.35 V | 164 | 103.4 | -2.0 |
| 5 | 2483.50 | 58.4 PK | 74.0 | -15.6 | 1.35 V | 164 | 60.3 | -1.9 |
| 6 | 2483.50 | 47.4 AV | 54.0 | -6.6 | 1.35 V | 164 | 49.3 | -1.9 |
| 7 | 4874.00 | 43.6 PK | 74.0 | -30.4 | 2.02 V | 50 | 40.8 | 2.8 |
| 8 | 4874.00 | 33.7 AV | 54.0 | -20.3 | 2.02 V | 50 | 30.9 | 2.8 |
| 9 | 7311.00 | 45.9 PK | 74.0 | -28.1 | 1.66 V | 200 | 37.0 | 8.9 |
| 10 | 7311.00 | 40.1 AV | 54.0 | -13.9 | 1.66 V | 200 | 31.2 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 10 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2457.00 | 113.2 PK | | | 2.56 H | 321 | 115.1 | -1.9 |
| 2 | *2457.00 | 103.5 AV | | | 2.56 H | 321 | 105.4 | -1.9 |
| 3 | 2483.50 | 68.9 PK | 74.0 | -5.1 | 2.56 H | 321 | 70.8 | -1.9 |
| 4 | 2483.50 | 53.5 AV | 54.0 | -0.5 | 2.56 H | 321 | 55.4 | -1.9 |
| 5 | 4914.00 | 44.4 PK | 74.0 | -29.6 | 1.09 H | 70 | 41.7 | 2.7 |
| 6 | 4914.00 | 34.0 AV | 54.0 | -20.0 | 1.09 H | 70 | 31.3 | 2.7 |
| 7 | 7371.00 | 50.7 PK | 74.0 | -23.3 | 1.72 H | 320 | 41.8 | 8.9 |
| 8 | 7371.00 | 38.8 AV | 54.0 | -15.2 | 1.72 H | 320 | 29.9 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2457.00 | 110.0 PK | | | 1.31 V | 149 | 111.9 | -1.9 |
| 2 | *2457.00 | 100.6 AV | | | 1.31 V | 149 | 102.5 | -1.9 |
| 3 | 2483.50 | 67.5 PK | 74.0 | -6.5 | 1.31 V | 149 | 69.4 | -1.9 |
| 4 | 2483.50 | 52.6 AV | 54.0 | -1.4 | 1.31 V | 149 | 54.5 | -1.9 |
| 5 | 4914.00 | 43.4 PK | 74.0 | -30.6 | 2.06 V | 50 | 40.7 | 2.7 |
| 6 | 4914.00 | 33.5 AV | 54.0 | -20.5 | 2.06 V | 50 | 30.8 | 2.7 |
| 7 | 7371.00 | 45.4 PK | 74.0 | -28.6 | 1.70 V | 204 | 36.5 | 8.9 |
| 8 | 7371.00 | 39.8 AV | 54.0 | -14.2 | 1.70 V | 204 | 30.9 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 11 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2462.00 | 112.4 PK | | | 2.78 H | 308 | 114.3 | -1.9 |
| 2 | *2462.00 | 102.4 AV | | | 2.78 H | 308 | 104.3 | -1.9 |
| 3 | 2483.50 | 72.4 PK | 74.0 | -1.6 | 2.78 H | 308 | 74.3 | -1.9 |
| **4** | **2483.50** | **53.9 AV** | **54.0** | **-0.1** | **2.78 H** | **308** | **55.8** | **-1.9** |
| 5 | 4924.00 | 44.6 PK | 74.0 | -29.4 | 1.13 H | 69 | 41.9 | 2.7 |
| 6 | 4924.00 | 34.3 AV | 54.0 | -19.7 | 1.13 H | 69 | 31.6 | 2.7 |
| 7 | 7386.00 | 46.7 PK | 74.0 | -27.3 | 1.74 H | 334 | 37.7 | 9.0 |
| 8 | 7386.00 | 36.4 AV | 54.0 | -17.6 | 1.74 H | 334 | 27.4 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2462.00 | 110.5 PK | | | 2.00 V | 283 | 112.4 | -1.9 |
| 2 | *2462.00 | 100.2 AV | | | 2.00 V | 283 | 102.1 | -1.9 |
| 3 | 2483.80 | 65.3 PK | 74.0 | -8.7 | 2.00 V | 283 | 67.2 | -1.9 |
| 4 | 2483.80 | 52.0 AV | 54.0 | -2.0 | 2.00 V | 283 | 53.9 | -1.9 |
| 5 | 4924.00 | 43.3 PK | 74.0 | -30.7 | 1.97 V | 50 | 40.6 | 2.7 |
| 6 | 4924.00 | 33.4 AV | 54.0 | -20.6 | 1.97 V | 50 | 30.7 | 2.7 |
| 7 | 7386.00 | 45.2 PK | 74.0 | -28.8 | 1.71 V | 199 | 36.2 | 9.0 |
| 8 | 7386.00 | 37.6 AV | 54.0 | -16.4 | 1.71 V | 199 | 28.6 | 9.0 |

**Remarks:**

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

| Channel | TX Channel 12 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2467.00 | 106.7 PK | | | 2.94 H | 331 | 108.6 | -1.9 |
| 2 | *2467.00 | 96.1 AV | | | 2.94 H | 331 | 98.0 | -1.9 |
| 3 | 2483.50 | 63.0 PK | 74.0 | -11.0 | 2.94 H | 331 | 64.9 | -1.9 |
| 4 | 2483.50 | 52.6 AV | 54.0 | -1.4 | 2.94 H | 331 | 54.5 | -1.9 |
| 5 | 4934.00 | 43.6 PK | 74.0 | -30.4 | 1.12 H | 75 | 40.9 | 2.7 |
| 6 | 4934.00 | 33.0 AV | 54.0 | -21.0 | 1.12 H | 75 | 30.3 | 2.7 |
| 7 | 7401.00 | 45.7 PK | 74.0 | -28.3 | 1.71 H | 331 | 36.8 | 8.9 |
| 8 | 7401.00 | 34.9 AV | 54.0 | -19.1 | 1.71 H | 331 | 26.0 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2467.00 | 102.5 PK | | | 1.51 V | 24 | 104.4 | -1.9 |
| 2 | *2467.00 | 92.3 AV | | | 1.51 V | 24 | 94.2 | -1.9 |
| 3 | 2483.50 | 59.6 PK | 74.0 | -14.4 | 1.51 V | 24 | 61.5 | -1.9 |
| 4 | 2483.50 | 48.0 AV | 54.0 | -6.0 | 1.51 V | 24 | 49.9 | -1.9 |
| 5 | 4934.00 | 41.5 PK | 74.0 | -32.5 | 1.97 V | 65 | 38.8 | 2.7 |
| 6 | 4934.00 | 32.4 AV | 54.0 | -21.6 | 1.97 V | 65 | 29.7 | 2.7 |
| 7 | 7401.00 | 46.4 PK | 74.0 | -27.6 | 1.75 V | 187 | 37.5 | 8.9 |
| 8 | 7401.00 | 35.5 AV | 54.0 | -18.5 | 1.75 V | 187 | 26.6 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 13 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2472.00 | 101.5 PK | | | 2.84 H | 333 | 103.4 | -1.9 |
| 2 | *2472.00 | 91.1 AV | | | 2.84 H | 333 | 93.0 | -1.9 |
| 3 | 2483.50 | 59.2 PK | 74.0 | -14.8 | 2.84 H | 333 | 61.1 | -1.9 |
| 4 | 2483.50 | 48.5 AV | 54.0 | -5.5 | 2.84 H | 333 | 50.4 | -1.9 |
| 5 | 4944.00 | 43.6 PK | 74.0 | -30.4 | 1.10 H | 88 | 40.8 | 2.8 |
| 6 | 4944.00 | 33.2 AV | 54.0 | -20.8 | 1.10 H | 88 | 30.4 | 2.8 |
| 7 | 7416.00 | 44.6 PK | 74.0 | -29.4 | 1.75 H | 321 | 35.6 | 9.0 |
| 8 | 7416.00 | 32.1 AV | 54.0 | -21.9 | 1.75 H | 321 | 23.1 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2472.00 | 98.6 PK | | | 1.03 V | 25 | 100.5 | -1.9 |
| 2 | *2472.00 | 87.5 AV | | | 1.03 V | 25 | 89.4 | -1.9 |
| 3 | 2483.50 | 56.2 PK | 74.0 | -17.8 | 1.03 V | 25 | 58.1 | -1.9 |
| 4 | 2483.50 | 45.6 AV | 54.0 | -8.4 | 1.03 V | 25 | 47.5 | -1.9 |
| 5 | 4944.00 | 41.6 PK | 74.0 | -32.4 | 1.97 V | 59 | 38.8 | 2.8 |
| 6 | 4944.00 | 32.7 AV | 54.0 | -21.3 | 1.97 V | 59 | 29.9 | 2.8 |
| 7 | 7416.00 | 43.4 PK | 74.0 | -30.6 | 1.71 V | 196 | 34.4 | 9.0 |
| 8 | 7416.00 | 32.5 AV | 54.0 | -21.5 | 1.71 V | 196 | 23.5 | 9.0 |

**Remarks:**

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

### 802.11ax (HE40)

| Channel | TX Channel 3 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2387.69 | 68.2 PK | 74.0 | -5.8 | 3.05 H | 328 | 70.1 | -1.9 |
| 2 | 2387.69 | 53.5 AV | 54.0 | -0.5 | 3.05 H | 328 | 55.4 | -1.9 |
| 3 | 2390.00 | 63.1 PK | 74.0 | -10.9 | 3.05 H | 328 | 65.0 | -1.9 |
| **4** | **2390.00** | **53.9 AV** | **54.0** | **-0.1** | **3.05 H** | **328** | **55.8** | **-1.9** |
| 5 | *2422.00 | 108.5 PK | | | 3.05 H | 328 | 110.4 | -1.9 |
| 6 | *2422.00 | 97.7 AV | | | 3.05 H | 328 | 99.6 | -1.9 |
| 7 | 4844.00 | 41.8 PK | 74.0 | -32.2 | 1.06 H | 81 | 38.9 | 2.9 |
| 8 | 4844.00 | 32.9 AV | 54.0 | -21.1 | 1.06 H | 81 | 30.0 | 2.9 |
| 9 | 7266.00 | 43.9 PK | 74.0 | -30.1 | 1.78 H | 332 | 35.1 | 8.8 |
| 10 | 7266.00 | 32.9 AV | 54.0 | -21.1 | 1.78 H | 332 | 24.1 | 8.8 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 67.0 PK | 74.0 | -7.0 | 1.50 V | 12 | 68.9 | -1.9 |
| 2 | 2390.00 | 53.7 AV | 54.0 | -0.3 | 1.50 V | 12 | 55.6 | -1.9 |
| 3 | *2422.00 | 106.0 PK | | | 1.50 V | 12 | 107.9 | -1.9 |
| 4 | *2422.00 | 94.8 AV | | | 1.50 V | 12 | 96.7 | -1.9 |
| 5 | 4844.00 | 41.2 PK | 74.0 | -32.8 | 1.43 V | 31 | 38.3 | 2.9 |
| 6 | 4844.00 | 32.4 AV | 54.0 | -21.6 | 1.43 V | 31 | 29.5 | 2.9 |
| 7 | 7266.00 | 42.8 PK | 74.0 | -31.2 | 2.34 V | 54 | 34.0 | 8.8 |
| 8 | 7266.00 | 32.1 AV | 54.0 | -21.9 | 2.34 V | 54 | 23.3 | 8.8 |

**Remarks:**

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

| Channel | TX Channel 4 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 62.7 PK | 74.0 | -11.3 | 2.60 H | 324 | 64.6 | -1.9 |
| 2 | 2390.00 | 53.7 AV | 54.0 | -0.3 | 2.60 H | 324 | 55.6 | -1.9 |
| 3 | *2427.00 | 110.8 PK | | | 2.60 H | 324 | 112.8 | -2.0 |
| 4 | *2427.00 | 98.6 AV | | | 2.60 H | 324 | 100.6 | -2.0 |
| 5 | 4854.00 | 41.3 PK | 74.0 | -32.7 | 1.15 H | 77 | 38.5 | 2.8 |
| 6 | 4854.00 | 32.5 AV | 54.0 | -21.5 | 1.15 H | 77 | 29.7 | 2.8 |
| 7 | 7281.00 | 43.5 PK | 74.0 | -30.5 | 1.75 H | 322 | 34.7 | 8.8 |
| 8 | 7281.00 | 32.6 AV | 54.0 | -21.4 | 1.75 H | 322 | 23.8 | 8.8 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 63.8 PK | 74.0 | -10.2 | 1.93 V | 303 | 65.7 | -1.9 |
| 2 | 2390.00 | 53.4 AV | 54.0 | -0.6 | 1.93 V | 303 | 55.3 | -1.9 |
| 3 | *2427.00 | 108.1 PK | | | 1.93 V | 303 | 110.1 | -2.0 |
| 4 | *2427.00 | 97.2 AV | | | 1.93 V | 303 | 99.2 | -2.0 |
| 5 | 4854.00 | 41.3 PK | 74.0 | -32.7 | 1.38 V | 28 | 38.5 | 2.8 |
| 6 | 4854.00 | 32.7 AV | 54.0 | -21.3 | 1.38 V | 28 | 29.9 | 2.8 |
| 7 | 7281.00 | 43.4 PK | 74.0 | -30.6 | 2.36 V | 53 | 34.6 | 8.8 |
| 8 | 7281.00 | 32.7 AV | 54.0 | -21.3 | 2.36 V | 53 | 23.9 | 8.8 |

**Remarks:**

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

| Channel | TX Channel 6 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 65.3 PK | 74.0 | -8.7 | 2.62 H | 334 | 67.2 | -1.9 |
| **2** | **2390.00** | **53.9 AV** | **54.0** | **-0.1** | **2.62 H** | **334** | **55.8** | **-1.9** |
| 3 | *2437.00 | 110.7 PK | | | 2.62 H | 334 | 112.7 | -2.0 |
| 4 | *2437.00 | 99.2 AV | | | 2.62 H | 334 | 101.2 | -2.0 |
| 5 | 2483.50 | 66.5 PK | 74.0 | -7.5 | 2.62 H | 334 | 68.4 | -1.9 |
| 6 | 2483.50 | 52.5 AV | 54.0 | -1.5 | 2.62 H | 334 | 54.4 | -1.9 |
| 7 | 4874.00 | 41.1 PK | 74.0 | -32.9 | 1.17 H | 72 | 38.3 | 2.8 |
| 8 | 4874.00 | 32.6 AV | 54.0 | -21.4 | 1.17 H | 72 | 29.8 | 2.8 |
| 9 | 7311.00 | 43.1 PK | 74.0 | -30.9 | 1.77 H | 345 | 34.2 | 8.9 |
| 10 | 7311.00 | 32.1 AV | 54.0 | -21.9 | 1.77 H | 345 | 23.2 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 2390.00 | 63.9 PK | 74.0 | -10.1 | 1.97 V | 293 | 65.8 | -1.9 |
| 2 | 2390.00 | 53.5 AV | 54.0 | -0.5 | 1.97 V | 293 | 55.4 | -1.9 |
| 3 | *2437.00 | 108.5 PK | | | 1.97 V | 293 | 110.5 | -2.0 |
| 4 | *2437.00 | 97.6 AV | | | 1.97 V | 293 | 99.6 | -2.0 |
| 5 | 2483.50 | 64.8 PK | 74.0 | -9.2 | 1.97 V | 293 | 66.7 | -1.9 |
| 6 | 2483.50 | 51.0 AV | 54.0 | -3.0 | 1.97 V | 293 | 52.9 | -1.9 |
| 7 | 4874.00 | 41.6 PK | 74.0 | -32.4 | 2.00 V | 62 | 38.8 | 2.8 |
| 8 | 4874.00 | 32.6 AV | 54.0 | -21.4 | 2.00 V | 62 | 29.8 | 2.8 |
| 9 | 7311.00 | 44.0 PK | 74.0 | -30.0 | 1.80 V | 186 | 35.1 | 8.9 |
| 10 | 7311.00 | 32.9 AV | 54.0 | -21.1 | 1.80 V | 186 | 24.0 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 8 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2447.00 | 110.8 PK | | | 2.67 H | 333 | 112.7 | -1.9 |
| 2 | *2447.00 | 98.4 AV | | | 2.67 H | 333 | 100.3 | -1.9 |
| 3 | 2483.50 | 62.8 PK | 74.0 | -11.2 | 2.67 H | 333 | 64.7 | -1.9 |
| 4 | 2483.50 | 53.7 AV | 54.0 | -0.3 | 2.67 H | 333 | 55.6 | -1.9 |
| 5 | 4894.00 | 42.3 PK | 74.0 | -31.7 | 1.16 H | 65 | 39.6 | 2.7 |
| 6 | 4894.00 | 33.1 AV | 54.0 | -20.9 | 1.16 H | 65 | 30.4 | 2.7 |
| 7 | 7341.00 | 42.5 PK | 74.0 | -31.5 | 1.71 H | 316 | 33.5 | 9.0 |
| 8 | 7341.00 | 33.2 AV | 54.0 | -20.8 | 1.71 H | 316 | 24.2 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2447.00 | 108.7 PK | | | 1.88 V | 317 | 110.6 | -1.9 |
| 2 | *2447.00 | 97.0 AV | | | 1.88 V | 317 | 98.9 | -1.9 |
| 3 | 2483.50 | 63.8 PK | 74.0 | -10.2 | 1.88 V | 317 | 65.7 | -1.9 |
| 4 | 2483.50 | 53.1 AV | 54.0 | -0.9 | 1.88 V | 317 | 55.0 | -1.9 |
| 5 | 4894.00 | 41.8 PK | 74.0 | -32.2 | 1.41 V | 37 | 39.1 | 2.7 |
| 6 | 4894.00 | 32.7 AV | 54.0 | -21.3 | 1.41 V | 37 | 30.0 | 2.7 |
| 7 | 7341.00 | 42.3 PK | 74.0 | -31.7 | 2.34 V | 59 | 33.3 | 9.0 |
| 8 | 7341.00 | 33.0 AV | 54.0 | -21.0 | 2.34 V | 59 | 24.0 | 9.0 |

**Remarks:**

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

| Channel | TX Channel 9 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2452.00 | 109.6 PK | | | 2.48 H | 325 | 111.5 | -1.9 |
| 2 | *2452.00 | 97.8 AV | | | 2.48 H | 325 | 99.7 | -1.9 |
| 3 | 2483.95 | 70.1 PK | 74.0 | -3.9 | 2.48 H | 325 | 72.0 | -1.9 |
| **4** | **2483.95** | **53.9 AV** | **54.0** | **-0.1** | **2.48 H** | **325** | **55.8** | **-1.9** |
| 5 | 2486.32 | 71.1 PK | 74.0 | -2.9 | 2.48 H | 325 | 73.0 | -1.9 |
| 6 | 2486.32 | 52.6 AV | 54.0 | -1.4 | 2.48 H | 325 | 54.5 | -1.9 |
| 7 | 4904.00 | 41.9 PK | 74.0 | -32.1 | 1.14 H | 57 | 39.2 | 2.7 |
| 8 | 4904.00 | 33.0 AV | 54.0 | -21.0 | 1.14 H | 57 | 30.3 | 2.7 |
| 9 | 7356.00 | 42.3 PK | 74.0 | -31.7 | 1.80 H | 352 | 33.4 | 8.9 |
| 10 | 7356.00 | 33.3 AV | 54.0 | -20.7 | 1.80 H | 352 | 24.4 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2452.00 | 106.3 PK | | | 1.50 V | 155 | 108.2 | -1.9 |
| 2 | *2452.00 | 95.5 AV | | | 1.50 V | 155 | 97.4 | -1.9 |
| 3 | 2483.50 | 67.5 PK | 74.0 | -6.5 | 1.50 V | 155 | 69.4 | -1.9 |
| 4 | 2483.50 | 52.2 AV | 54.0 | -1.8 | 1.50 V | 155 | 54.1 | -1.9 |
| 5 | 2485.47 | 69.4 PK | 74.0 | -4.6 | 1.50 V | 155 | 71.3 | -1.9 |
| 6 | 2485.47 | 50.5 AV | 54.0 | -3.5 | 1.50 V | 155 | 52.4 | -1.9 |
| 7 | 4904.00 | 41.1 PK | 74.0 | -32.9 | 1.53 V | 18 | 38.4 | 2.7 |
| 8 | 4904.00 | 32.5 AV | 54.0 | -21.5 | 1.53 V | 18 | 29.8 | 2.7 |
| 9 | 7356.00 | 42.0 PK | 74.0 | -32.0 | 1.63 V | 314 | 33.1 | 8.9 |
| 10 | 7356.00 | 32.8 AV | 54.0 | -21.2 | 1.63 V | 314 | 23.9 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 10 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2457.00 | 105.8 PK | | | 2.48 H | 321 | 107.7 | -1.9 |
| 2 | *2457.00 | 94.9 AV | | | 2.48 H | 321 | 96.8 | -1.9 |
| 3 | 2483.50 | 60.8 PK | 74.0 | -13.2 | 2.48 H | 321 | 62.7 | -1.9 |
| 4 | 2483.50 | 50.6 AV | 54.0 | -3.4 | 2.48 H | 321 | 52.5 | -1.9 |
| 5 | 4914.00 | 42.3 PK | 74.0 | -31.7 | 1.15 H | 93 | 39.6 | 2.7 |
| 6 | 4914.00 | 32.9 AV | 54.0 | -21.1 | 1.15 H | 93 | 30.2 | 2.7 |
| 7 | 7371.00 | 41.9 PK | 74.0 | -32.1 | 1.74 H | 333 | 33.0 | 8.9 |
| 8 | 7371.00 | 32.6 AV | 54.0 | -21.4 | 1.74 H | 333 | 23.7 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2457.00 | 101.5 PK | | | 1.52 V | 165 | 103.4 | -1.9 |
| 2 | *2457.00 | 91.3 AV | | | 1.52 V | 165 | 93.2 | -1.9 |
| 3 | 2484.11 | 57.7 PK | 74.0 | -16.3 | 1.52 V | 165 | 59.6 | -1.9 |
| 4 | 2484.11 | 46.5 AV | 54.0 | -7.5 | 1.52 V | 165 | 48.4 | -1.9 |
| 5 | 4914.00 | 41.9 PK | 74.0 | -32.1 | 1.99 V | 59 | 39.2 | 2.7 |
| 6 | 4914.00 | 32.5 AV | 54.0 | -21.5 | 1.99 V | 59 | 29.8 | 2.7 |
| 7 | 7371.00 | 42.7 PK | 74.0 | -31.3 | 1.90 V | 167 | 33.8 | 8.9 |
| 8 | 7371.00 | 33.6 AV | 54.0 | -20.4 | 1.90 V | 167 | 24.7 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 11 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2462.00 | 103.4 PK | | | 2.48 H | 326 | 105.3 | -1.9 |
| 2 | *2462.00 | 92.7 AV | | | 2.48 H | 326 | 94.6 | -1.9 |
| 3 | 2484.00 | 65.6 PK | 74.0 | -8.4 | 2.48 H | 326 | 67.5 | -1.9 |
| 4 | 2484.00 | 53.7 AV | 54.0 | -0.3 | 2.48 H | 326 | 55.6 | -1.9 |
| 5 | 4924.00 | 42.3 PK | 74.0 | -31.7 | 1.14 H | 73 | 39.6 | 2.7 |
| 6 | 4924.00 | 33.2 AV | 54.0 | -20.8 | 1.14 H | 73 | 30.5 | 2.7 |
| 7 | 7386.00 | 41.4 PK | 74.0 | -32.6 | 1.79 H | 347 | 32.4 | 9.0 |
| 8 | 7386.00 | 32.5 AV | 54.0 | -21.5 | 1.79 H | 347 | 23.5 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2462.00 | 99.7 PK | | | 1.59 V | 163 | 101.6 | -1.9 |
| 2 | *2462.00 | 89.1 AV | | | 1.59 V | 163 | 91.0 | -1.9 |
| 3 | 2483.83 | 62.7 PK | 74.0 | -11.3 | 1.59 V | 163 | 64.6 | -1.9 |
| 4 | 2483.83 | 50.8 AV | 54.0 | -3.2 | 1.59 V | 163 | 52.7 | -1.9 |
| 5 | 4924.00 | 41.8 PK | 74.0 | -32.2 | 1.98 V | 74 | 39.1 | 2.7 |
| 6 | 4924.00 | 32.7 AV | 54.0 | -21.3 | 1.98 V | 74 | 30.0 | 2.7 |
| 7 | 7386.00 | 42.1 PK | 74.0 | -31.9 | 1.85 V | 179 | 33.1 | 9.0 |
| 8 | 7386.00 | 32.9 AV | 54.0 | -21.1 | 1.85 V | 179 | 23.9 | 9.0 |

**Remarks:**

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

## Below 1GHz Worst-Case Data

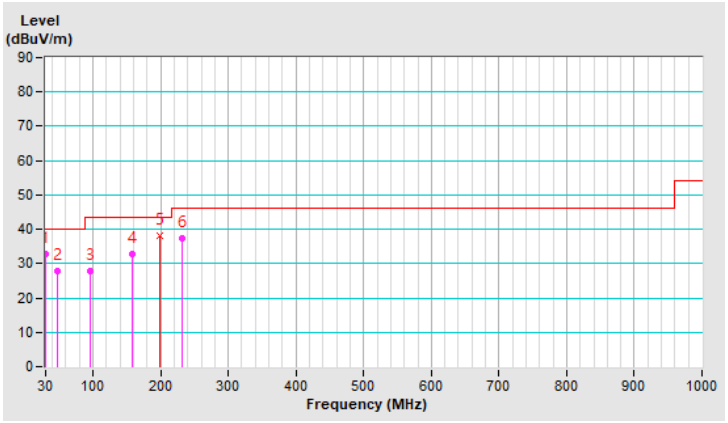
### 802.11b

| | | | |
|---|---|---|---|
| **Channel** | TX Channel 2 | **Detector Function** | Quasi-Peak (QP) |
| **Frequency Range** | 9kHz ~ 1GHz | | |

| 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 | 30.36 | 32.7 QP | 40.0 | -7.3 | 1.50 H | 138 | 41.5 | -8.8 |
| 2 | 47.81 | 27.9 QP | 40.0 | -12.1 | 1.00 H | 321 | 35.5 | -7.6 |
| 3 | 95.19 | 27.9 QP | 43.5 | -15.6 | 1.00 H | 295 | 40.5 | -12.6 |
| 4 | 158.41 | 32.7 QP | 43.5 | -10.8 | 2.00 H | 280 | 39.5 | -6.8 |
| 5 | 199.50 | 38.0 QP | 43.5 | -5.5 | 1.00 H | 329 | 48.1 | -10.1 |
| 6 | 232.45 | 37.5 QP | 46.0 | -8.5 | 1.50 H | 194 | 46.3 | -8.8 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

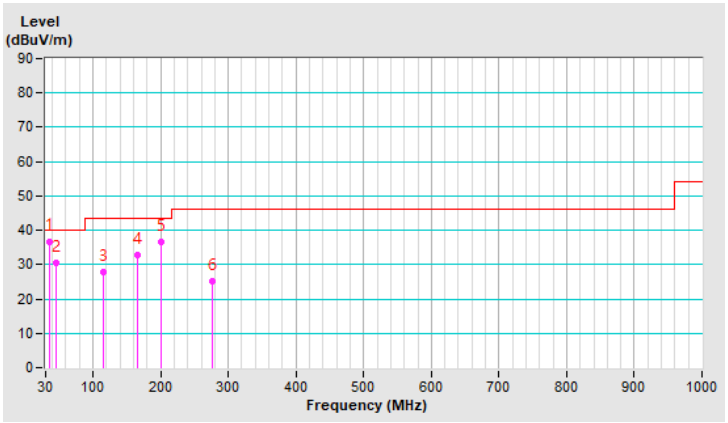


| Channel | TX Channel 2 | Detector Function | Quasi-Peak (QP) |
|---|---|---|---|
| Frequency Range | 9kHz ~ 1GHz | | |

| 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 | 35.32 | 36.8 QP | 40.0 | -3.2 | 1.00 V | 8 | 45.4 | -8.6 |
| 2 | 44.73 | 30.4 QP | 40.0 | -9.6 | 1.50 V | 70 | 38.1 | -7.7 |
| 3 | 115.00 | 27.9 QP | 43.5 | -15.6 | 3.00 V | 353 | 37.4 | -9.5 |
| 4 | 166.01 | 32.8 QP | 43.5 | -10.7 | 1.00 V | 209 | 39.8 | -7.0 |
| 5 | 199.77 | 36.5 QP | 43.5 | -7.0 | 1.00 V | 254 | 46.6 | -10.1 |
| 6 | 276.42 | 25.1 QP | 46.0 | -20.9 | 1.00 V | 263 | 31.9 | -6.8 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



4.1.7 Test Results (Mode 2)

**Above 1GHz Data：**

**802.11b**

| **Channel** | TX Channel 1 | **Detector Function** | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| **Frequency Range** | 1GHz ~ 25GHz | | |

| **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 | 2390.00 | 55.0 PK | 74.0 | -19.0 | 3.39 H | 19 | 56.9 | -1.9 |
| 2 | 2390.00 | 42.8 AV | 54.0 | -11.2 | 3.39 H | 19 | 44.7 | -1.9 |
| 3 | *2412.00 | 101.8 PK | | | 3.39 H | 19 | 103.7 | -1.9 |
| 4 | *2412.00 | 99.2 AV | | | 3.39 H | 19 | 101.1 | -1.9 |
| 5 | 4824.00 | 51.9 PK | 74.0 | -22.1 | 1.54 H | 125 | 49.0 | 2.9 |
| 6 | 4824.00 | 50.4 AV | 54.0 | -3.6 | 1.54 H | 125 | 47.5 | 2.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 2388.04 | 57.8 PK | 74.0 | -16.2 | 1.33 V | 106 | 59.7 | -1.9 |
| 2 | 2388.04 | 47.0 AV | 54.0 | -7.0 | 1.33 V | 106 | 48.9 | -1.9 |
| 3 | *2412.00 | 111.8 PK | | | 1.33 V | 106 | 113.7 | -1.9 |
| 4 | *2412.00 | 109.3 AV | | | 1.33 V | 106 | 111.2 | -1.9 |
| 5 | 4824.00 | 49.0 PK | 74.0 | -25.0 | 1.30 V | 36 | 46.1 | 2.9 |
| 6 | 4824.00 | 47.4 AV | 54.0 | -6.6 | 1.30 V | 36 | 44.5 | 2.9 |

**Remarks:**

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

| Channel | TX Channel 2 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 55.2 PK | 74.0 | -18.8 | 3.42 H | 39 | 57.1 | -1.9 |
| 2 | 2390.00 | 43.0 AV | 54.0 | -11.0 | 3.42 H | 39 | 44.9 | -1.9 |
| 3 | *2417.00 | 102.4 PK | | | 3.42 H | 39 | 104.3 | -1.9 |
| 4 | *2417.00 | 99.7 AV | | | 3.42 H | 39 | 101.6 | -1.9 |
| 5 | 4834.00 | 52.0 PK | 74.0 | -22.0 | 1.52 H | 129 | 49.1 | 2.9 |
| 6 | 4834.00 | 51.0 AV | 54.0 | -3.0 | 1.52 H | 129 | 48.1 | 2.9 |
| 7 | 7251.00 | 45.3 PK | 74.0 | -28.7 | 1.38 H | 174 | 36.5 | 8.8 |
| 8 | 7251.00 | 37.4 AV | 54.0 | -16.6 | 1.38 H | 174 | 28.6 | 8.8 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 56.2 PK | 74.0 | -17.8 | 1.35 V | 106 | 58.1 | -1.9 |
| 2 | 2390.00 | 45.5 AV | 54.0 | -8.5 | 1.35 V | 106 | 47.4 | -1.9 |
| 3 | *2417.00 | 112.2 PK | | | 1.35 V | 106 | 114.1 | -1.9 |
| 4 | *2417.00 | 109.7 AV | | | 1.35 V | 106 | 111.6 | -1.9 |
| 5 | 4834.00 | 49.3 PK | 74.0 | -24.7 | 1.28 V | 34 | 46.4 | 2.9 |
| 6 | 4834.00 | 47.6 AV | 54.0 | -6.4 | 1.28 V | 34 | 44.7 | 2.9 |
| 7 | 7251.00 | 46.1 PK | 74.0 | -27.9 | 1.23 V | 163 | 37.3 | 8.8 |
| 8 | 7251.00 | 39.7 AV | 54.0 | -14.3 | 1.23 V | 163 | 30.9 | 8.8 |

**Remarks:**

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

| Channel | TX Channel 6 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 53.3 PK | 74.0 | -20.7 | 3.43 H | 33 | 55.2 | -1.9 |
| 2 | 2390.00 | 42.3 AV | 54.0 | -11.7 | 3.43 H | 33 | 44.2 | -1.9 |
| 3 | *2437.00 | 102.1 PK | | | 3.43 H | 33 | 104.1 | -2.0 |
| 4 | *2437.00 | 99.4 AV | | | 3.43 H | 33 | 101.4 | -2.0 |
| 5 | 2483.50 | 53.7 PK | 74.0 | -20.3 | 3.43 H | 33 | 55.6 | -1.9 |
| 6 | 2483.50 | 42.4 AV | 54.0 | -11.6 | 3.43 H | 33 | 44.3 | -1.9 |
| 7 | 4874.00 | 52.6 PK | 74.0 | -21.4 | 1.50 H | 126 | 49.8 | 2.8 |
| 8 | 4874.00 | 51.3 AV | 54.0 | -2.7 | 1.50 H | 126 | 48.5 | 2.8 |
| 9 | 7311.00 | 45.4 PK | 74.0 | -28.6 | 1.41 H | 176 | 36.5 | 8.9 |
| 10 | 7311.00 | 37.2 AV | 54.0 | -16.8 | 1.41 H | 176 | 28.3 | 8.9 |
| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 55.2 PK | 74.0 | -18.8 | 1.31 V | 114 | 57.1 | -1.9 |
| 2 | 2390.00 | 44.1 AV | 54.0 | -9.9 | 1.31 V | 114 | 46.0 | -1.9 |
| 3 | *2437.00 | 111.8 PK | | | 1.31 V | 114 | 113.8 | -2.0 |
| 4 | *2437.00 | 109.6 AV | | | 1.31 V | 114 | 111.6 | -2.0 |
| 5 | 2483.50 | 53.4 PK | 74.0 | -20.6 | 1.31 V | 114 | 55.3 | -1.9 |
| 6 | 2483.50 | 42.1 AV | 54.0 | -11.9 | 1.31 V | 114 | 44.0 | -1.9 |
| 7 | 4874.00 | 48.9 PK | 74.0 | -25.1 | 1.25 V | 20 | 46.1 | 2.8 |
| 8 | 4874.00 | 47.3 AV | 54.0 | -6.7 | 1.25 V | 20 | 44.5 | 2.8 |
| 9 | 7311.00 | 46.2 PK | 74.0 | -27.8 | 1.18 V | 173 | 37.3 | 8.9 |
| 10 | 7311.00 | 39.9 AV | 54.0 | -14.1 | 1.18 V | 173 | 31.0 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 10 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2457.00 | 102.4 PK | | | 3.44 H | 19 | 104.3 | -1.9 |
| 2 | *2457.00 | 99.9 AV | | | 3.44 H | 19 | 101.8 | -1.9 |
| 3 | 2483.50 | 53.1 PK | 74.0 | -20.9 | 3.44 H | 19 | 55.0 | -1.9 |
| 4 | 2483.50 | 42.4 AV | 54.0 | -11.6 | 3.44 H | 19 | 44.3 | -1.9 |
| 5 | 4914.00 | 51.9 PK | 74.0 | -22.1 | 1.50 H | 133 | 49.2 | 2.7 |
| 6 | 4914.00 | 50.9 AV | 54.0 | -3.1 | 1.50 H | 133 | 48.2 | 2.7 |
| 7 | 7371.00 | 44.9 PK | 74.0 | -29.1 | 1.35 H | 169 | 36.0 | 8.9 |
| 8 | 7371.00 | 37.1 AV | 54.0 | -16.9 | 1.35 H | 169 | 28.2 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2457.00 | 112.2 PK | | | 1.28 V | 127 | 114.1 | -1.9 |
| 2 | *2457.00 | 109.9 AV | | | 1.28 V | 127 | 111.8 | -1.9 |
| 3 | 2483.50 | 55.6 PK | 74.0 | -18.4 | 1.28 V | 127 | 57.5 | -1.9 |
| 4 | 2483.50 | 44.8 AV | 54.0 | -9.2 | 1.28 V | 127 | 46.7 | -1.9 |
| 5 | 4914.00 | 48.3 PK | 74.0 | -25.7 | 1.22 V | 29 | 45.6 | 2.7 |
| 6 | 4914.00 | 46.9 AV | 54.0 | -7.1 | 1.22 V | 29 | 44.2 | 2.7 |
| 7 | 7371.00 | 46.5 PK | 74.0 | -27.5 | 1.19 V | 164 | 37.6 | 8.9 |
| 8 | 7371.00 | 40.1 AV | 54.0 | -13.9 | 1.19 V | 164 | 31.2 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 11 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2462.00 | 102.1 PK | | | 3.24 H | 9 | 104.0 | -1.9 |
| 2 | *2462.00 | 100.0 AV | | | 3.24 H | 9 | 101.9 | -1.9 |
| 3 | 2483.50 | 54.1 PK | 74.0 | -19.9 | 3.24 H | 9 | 56.0 | -1.9 |
| 4 | 2483.50 | 42.9 AV | 54.0 | -11.1 | 3.24 H | 9 | 44.8 | -1.9 |
| 5 | 4924.00 | 52.1 PK | 74.0 | -21.9 | 1.49 H | 128 | 49.4 | 2.7 |
| 6 | 4924.00 | 51.0 AV | 54.0 | -3.0 | 1.49 H | 128 | 48.3 | 2.7 |
| 7 | 7386.00 | 44.8 PK | 74.0 | -29.2 | 1.36 H | 174 | 35.8 | 9.0 |
| 8 | 7386.00 | 36.9 AV | 54.0 | -17.1 | 1.36 H | 174 | 27.9 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2462.00 | 111.2 PK | | | 1.13 V | 110 | 113.1 | -1.9 |
| 2 | *2462.00 | 109.2 AV | | | 1.13 V | 110 | 111.1 | -1.9 |
| 3 | 2486.23 | 56.9 PK | 74.0 | -17.1 | 1.13 V | 110 | 58.8 | -1.9 |
| 4 | 2486.23 | 46.3 AV | 54.0 | -7.7 | 1.13 V | 110 | 48.2 | -1.9 |
| 5 | 4924.00 | 49.9 PK | 74.0 | -24.1 | 1.33 V | 47 | 47.2 | 2.7 |
| 6 | 4924.00 | 48.0 AV | 54.0 | -6.0 | 1.33 V | 47 | 45.3 | 2.7 |
| 7 | 7386.00 | 45.6 PK | 74.0 | -28.4 | 1.20 V | 155 | 36.6 | 9.0 |
| 8 | 7386.00 | 39.2 AV | 54.0 | -14.8 | 1.20 V | 155 | 30.2 | 9.0 |

**Remarks:**

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

| Channel | TX Channel 12 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2467.00 | 93.1 PK | | | 3.24 H | 9 | 95.0 | -1.9 |
| 2 | *2467.00 | 89.4 AV | | | 3.24 H | 9 | 91.3 | -1.9 |
| 3 | 2483.50 | 54.9 PK | 74.0 | -19.1 | 3.24 H | 9 | 56.8 | -1.9 |
| 4 | 2483.50 | 42.6 AV | 54.0 | -11.4 | 3.24 H | 9 | 44.5 | -1.9 |
| 5 | 4934.00 | 48.6 PK | 74.0 | -25.4 | 1.53 H | 146 | 45.9 | 2.7 |
| 6 | 4934.00 | 47.1 AV | 54.0 | -6.9 | 1.53 H | 146 | 44.4 | 2.7 |
| 7 | 7401.00 | 45.0 PK | 74.0 | -29.0 | 1.33 H | 160 | 36.1 | 8.9 |
| 8 | 7401.00 | 34.7 AV | 54.0 | -19.3 | 1.33 H | 160 | 25.8 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2467.00 | 101.3 PK | | | 1.14 V | 110 | 103.2 | -1.9 |
| 2 | *2467.00 | 98.5 AV | | | 1.14 V | 110 | 100.4 | -1.9 |
| 3 | 2495.51 | 54.4 PK | 74.0 | -19.6 | 1.14 V | 110 | 56.3 | -1.9 |
| 4 | 2495.51 | 45.9 AV | 54.0 | -8.1 | 1.14 V | 110 | 47.8 | -1.9 |
| 5 | 4934.00 | 46.8 PK | 74.0 | -27.2 | 1.28 V | 39 | 44.1 | 2.7 |
| 6 | 4934.00 | 44.9 AV | 54.0 | -9.1 | 1.28 V | 39 | 42.2 | 2.7 |
| 7 | 7401.00 | 43.6 PK | 74.0 | -30.4 | 1.21 V | 168 | 34.7 | 8.9 |
| 8 | 7401.00 | 36.2 AV | 54.0 | -17.8 | 1.21 V | 168 | 27.3 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 13 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2472.00 | 89.6 PK | | | 3.27 H | 10 | 91.5 | -1.9 |
| 2 | *2472.00 | 85.1 AV | | | 3.27 H | 10 | 87.0 | -1.9 |
| 3 | 2483.50 | 55.0 PK | 74.0 | -19.0 | 3.27 H | 10 | 56.9 | -1.9 |
| 4 | 2483.50 | 43.2 AV | 54.0 | -10.8 | 3.27 H | 10 | 45.1 | -1.9 |
| 5 | 4944.00 | 46.5 PK | 74.0 | -27.5 | 1.53 H | 138 | 43.7 | 2.8 |
| 6 | 4944.00 | 44.7 AV | 54.0 | -9.3 | 1.53 H | 138 | 41.9 | 2.8 |
| 7 | 7416.00 | 42.6 PK | 74.0 | -31.4 | 1.29 H | 176 | 33.6 | 9.0 |
| 8 | 7416.00 | 32.5 AV | 54.0 | -21.5 | 1.29 H | 176 | 23.5 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2472.00 | 96.7 PK | | | 1.43 V | 114 | 98.6 | -1.9 |
| 2 | *2472.00 | 94.1 AV | | | 1.43 V | 114 | 96.0 | -1.9 |
| 3 | 2485.30 | 57.1 PK | 74.0 | -16.9 | 1.43 V | 114 | 59.0 | -1.9 |
| 4 | 2485.30 | 50.4 AV | 54.0 | -3.6 | 1.43 V | 114 | 52.3 | -1.9 |
| 5 | 4944.00 | 43.4 PK | 74.0 | -30.6 | 1.34 V | 40 | 40.6 | 2.8 |
| 6 | 4944.00 | 41.1 AV | 54.0 | -12.9 | 1.34 V | 40 | 38.3 | 2.8 |
| 7 | 7416.00 | 40.8 PK | 74.0 | -33.2 | 1.17 V | 184 | 31.8 | 9.0 |
| 8 | 7416.00 | 34.3 AV | 54.0 | -19.7 | 1.17 V | 184 | 25.3 | 9.0 |

**Remarks:**

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

## 802.11g

| Channel | TX Channel 1 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 62.9 PK | 74.0 | -11.1 | 3.28 H | 203 | 64.8 | -1.9 |
| 2 | 2390.00 | 46.3 AV | 54.0 | -7.7 | 3.28 H | 203 | 48.2 | -1.9 |
| 3 | *2412.00 | 102.0 PK | | | 3.28 H | 203 | 103.9 | -1.9 |
| 4 | *2412.00 | 94.4 AV | | | 3.28 H | 203 | 96.3 | -1.9 |
| 5 | 4824.00 | 47.9 PK | 74.0 | -26.1 | 1.47 H | 121 | 45.0 | 2.9 |
| 6 | 4824.00 | 45.6 AV | 54.0 | -8.4 | 1.47 H | 121 | 42.7 | 2.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2384.04 | 73.8 PK | 74.0 | -0.2 | 1.50 V | 159 | 75.7 | -1.9 |
| 2 | 2384.04 | 52.2 AV | 54.0 | -1.8 | 1.50 V | 159 | 54.1 | -1.9 |
| 3 | 2388.29 | 73.5 PK | 74.0 | -0.5 | 1.50 V | 159 | 75.4 | -1.9 |
| 4 | 2388.29 | 53.8 AV | 54.0 | -0.2 | 1.50 V | 159 | 55.7 | -1.9 |
| 5 | *2412.00 | 112.5 PK | | | 1.50 V | 159 | 114.4 | -1.9 |
| 6 | *2412.00 | 104.7 AV | | | 1.50 V | 159 | 106.6 | -1.9 |
| 7 | 4824.00 | 46.1 PK | 74.0 | -27.9 | 1.28 V | 24 | 43.2 | 2.9 |
| 8 | 4824.00 | 44.0 AV | 54.0 | -10.0 | 1.28 V | 24 | 41.1 | 2.9 |

**Remarks:**

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

| Channel | TX Channel 2 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 62.7 PK | 74.0 | -11.3 | 3.30 H | 204 | 64.6 | -1.9 |
| 2 | 2390.00 | 46.2 AV | 54.0 | -7.8 | 3.30 H | 204 | 48.1 | -1.9 |
| 3 | *2417.00 | 101.1 PK | | | 3.30 H | 204 | 103.0 | -1.9 |
| 4 | *2417.00 | 95.1 AV | | | 3.30 H | 204 | 97.0 | -1.9 |
| 5 | 4834.00 | 48.6 PK | 74.0 | -25.4 | 1.45 H | 125 | 45.7 | 2.9 |
| 6 | 4834.00 | 46.8 AV | 54.0 | -7.2 | 1.45 H | 125 | 43.9 | 2.9 |
| 7 | 7251.00 | 44.9 PK | 74.0 | -29.1 | 1.29 H | 165 | 36.1 | 8.8 |
| 8 | 7251.00 | 34.5 AV | 54.0 | -19.5 | 1.29 H | 165 | 25.7 | 8.8 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 71.6 PK | 74.0 | -2.4 | 1.26 V | 298 | 73.5 | -1.9 |
| 2 | 2390.00 | 53.7 AV | 54.0 | -0.3 | 1.26 V | 298 | 55.6 | -1.9 |
| 3 | *2417.00 | 112.5 PK | | | 1.26 V | 298 | 114.4 | -1.9 |
| 4 | *2417.00 | 105.2 AV | | | 1.26 V | 298 | 107.1 | -1.9 |
| 5 | 4834.00 | 46.2 PK | 74.0 | -27.8 | 1.31 V | 35 | 43.3 | 2.9 |
| 6 | 4834.00 | 44.8 AV | 54.0 | -9.2 | 1.31 V | 35 | 41.9 | 2.9 |
| 7 | 7251.00 | 44.2 PK | 74.0 | -29.8 | 1.21 V | 180 | 35.4 | 8.8 |
| 8 | 7251.00 | 36.7 AV | 54.0 | -17.3 | 1.21 V | 180 | 27.9 | 8.8 |

**Remarks:**

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

| Channel | TX Channel 6 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 60.3 PK | 74.0 | -13.7 | 3.34 H | 219 | 62.2 | -1.9 |
| 2 | 2390.00 | 45.3 AV | 54.0 | -8.7 | 3.34 H | 219 | 47.2 | -1.9 |
| 3 | *2437.00 | 101.5 PK | | | 3.34 H | 219 | 103.5 | -2.0 |
| 4 | *2437.00 | 95.6 AV | | | 3.34 H | 219 | 97.6 | -2.0 |
| 5 | 2483.50 | 54.7 PK | 74.0 | -19.3 | 3.34 H | 219 | 56.6 | -1.9 |
| 6 | 2483.50 | 42.1 AV | 54.0 | -11.9 | 3.34 H | 219 | 44.0 | -1.9 |
| 7 | 4874.00 | 48.5 PK | 74.0 | -25.5 | 1.48 H | 126 | 45.7 | 2.8 |
| 8 | 4874.00 | 46.9 AV | 54.0 | -7.1 | 1.48 H | 126 | 44.1 | 2.8 |
| 9 | 7311.00 | 45.2 PK | 74.0 | -28.8 | 1.28 H | 161 | 36.3 | 8.9 |
| 10 | 7311.00 | 34.8 AV | 54.0 | -19.2 | 1.28 H | 161 | 25.9 | 8.9 |
| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 62.1 PK | 74.0 | -11.9 | 1.32 V | 294 | 64.0 | -1.9 |
| 2 | 2390.00 | 52.8 AV | 54.0 | -1.2 | 1.32 V | 294 | 54.7 | -1.9 |
| 3 | *2437.00 | 112.6 PK | | | 1.32 V | 294 | 114.6 | -2.0 |
| 4 | *2437.00 | 105.2 AV | | | 1.32 V | 294 | 107.2 | -2.0 |
| 5 | 2483.50 | 58.1 PK | 74.0 | -15.9 | 1.32 V | 294 | 60.0 | -1.9 |
| 6 | 2483.50 | 47.9 AV | 54.0 | -6.1 | 1.32 V | 294 | 49.8 | -1.9 |
| 7 | 4874.00 | 46.5 PK | 74.0 | -27.5 | 1.31 V | 23 | 43.7 | 2.8 |
| 8 | 4874.00 | 44.8 AV | 54.0 | -9.2 | 1.31 V | 23 | 42.0 | 2.8 |
| 9 | 7311.00 | 43.6 PK | 74.0 | -30.4 | 1.25 V | 175 | 34.7 | 8.9 |
| 10 | 7311.00 | 36.2 AV | 54.0 | -17.8 | 1.25 V | 175 | 27.3 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 10 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2457.00 | 101.7 PK | | | 3.34 H | 233 | 103.6 | -1.9 |
| 2 | *2457.00 | 95.7 AV | | | 3.34 H | 233 | 97.6 | -1.9 |
| 3 | 2483.50 | 62.3 PK | 74.0 | -11.7 | 3.34 H | 233 | 64.2 | -1.9 |
| 4 | 2483.50 | 45.8 AV | 54.0 | -8.2 | 3.34 H | 233 | 47.7 | -1.9 |
| 5 | 4914.00 | 48.4 PK | 74.0 | -25.6 | 1.47 H | 113 | 45.7 | 2.7 |
| 6 | 4914.00 | 46.8 AV | 54.0 | -7.2 | 1.47 H | 113 | 44.1 | 2.7 |
| 7 | 7371.00 | 44.9 PK | 74.0 | -29.1 | 1.29 H | 176 | 36.0 | 8.9 |
| 8 | 7371.00 | 34.4 AV | 54.0 | -19.6 | 1.29 H | 176 | 25.5 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2457.00 | 112.4 PK | | | 1.36 V | 302 | 114.3 | -1.9 |
| 2 | *2457.00 | 105.0 AV | | | 1.36 V | 302 | 106.9 | -1.9 |
| 3 | 2483.50 | 65.3 PK | 74.0 | -8.7 | 1.36 V | 302 | 67.2 | -1.9 |
| 4 | 2483.50 | 53.3 AV | 54.0 | -0.7 | 1.36 V | 302 | 55.2 | -1.9 |
| 5 | 4914.00 | 46.9 PK | 74.0 | -27.1 | 1.35 V | 37 | 44.2 | 2.7 |
| 6 | 4914.00 | 45.0 AV | 54.0 | -9.0 | 1.35 V | 37 | 42.3 | 2.7 |
| 7 | 7371.00 | 43.2 PK | 74.0 | -30.8 | 1.25 V | 170 | 34.3 | 8.9 |
| 8 | 7371.00 | 36.0 AV | 54.0 | -18.0 | 1.25 V | 170 | 27.1 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 11 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2462.00 | 102.2 PK | | | 3.54 H | 174 | 104.1 | -1.9 |
| 2 | *2462.00 | 95.2 AV | | | 3.54 H | 174 | 97.1 | -1.9 |
| 3 | 2485.20 | 61.0 PK | 74.0 | -13.0 | 3.54 H | 174 | 62.9 | -1.9 |
| 4 | 2485.20 | 46.4 AV | 54.0 | -7.6 | 3.54 H | 174 | 48.3 | -1.9 |
| 5 | 4924.00 | 48.9 PK | 74.0 | -25.1 | 1.40 H | 127 | 46.2 | 2.7 |
| 6 | 4924.00 | 46.9 AV | 54.0 | -7.1 | 1.40 H | 127 | 44.2 | 2.7 |
| 7 | 7386.00 | 44.8 PK | 74.0 | -29.2 | 1.29 H | 166 | 35.8 | 9.0 |
| 8 | 7386.00 | 34.3 AV | 54.0 | -19.7 | 1.29 H | 166 | 25.3 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2462.00 | 112.7 PK | | | 1.15 V | 109 | 114.6 | -1.9 |
| 2 | *2462.00 | 105.1 AV | | | 1.15 V | 109 | 107.0 | -1.9 |
| 3 | 2483.50 | 63.7 PK | 74.0 | -10.3 | 1.15 V | 109 | 65.6 | -1.9 |
| 4 | 2483.50 | 53.0 AV | 54.0 | -1.0 | 1.15 V | 109 | 54.9 | -1.9 |
| 5 | 4924.00 | 46.4 PK | 74.0 | -27.6 | 1.29 V | 48 | 43.7 | 2.7 |
| 6 | 4924.00 | 44.8 AV | 54.0 | -9.2 | 1.29 V | 48 | 42.1 | 2.7 |
| 7 | 7386.00 | 43.6 PK | 74.0 | -30.4 | 1.21 V | 185 | 34.6 | 9.0 |
| 8 | 7386.00 | 36.4 AV | 54.0 | -17.6 | 1.21 V | 185 | 27.4 | 9.0 |

**Remarks:**

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

| Channel | TX Channel 12 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2467.00 | 99.8 PK | | | 3.95 H | 173 | 101.7 | -1.9 |
| 2 | *2467.00 | 91.6 AV | | | 3.95 H | 173 | 93.5 | -1.9 |
| 3 | 2485.28 | 54.7 PK | 74.0 | -19.3 | 3.95 H | 173 | 56.6 | -1.9 |
| 4 | 2485.28 | 44.2 AV | 54.0 | -9.8 | 3.95 H | 173 | 46.1 | -1.9 |
| 5 | 4934.00 | 44.1 PK | 74.0 | -29.9 | 1.38 H | 126 | 41.4 | 2.7 |
| 6 | 4934.00 | 42.7 AV | 54.0 | -11.3 | 1.38 H | 126 | 40.0 | 2.7 |
| 7 | 7401.00 | 42.5 PK | 74.0 | -31.5 | 1.34 H | 163 | 33.6 | 8.9 |
| 8 | 7401.00 | 32.3 AV | 54.0 | -21.7 | 1.34 H | 163 | 23.4 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2467.00 | 107.4 PK | | | 1.46 V | 130 | 109.3 | -1.9 |
| 2 | *2467.00 | 100.8 AV | | | 1.46 V | 130 | 102.7 | -1.9 |
| 3 | 2483.50 | 60.5 PK | 74.0 | -13.5 | 1.46 V | 130 | 62.4 | -1.9 |
| 4 | 2483.50 | 51.0 AV | 54.0 | -3.0 | 1.46 V | 130 | 52.9 | -1.9 |
| 5 | 4934.00 | 42.2 PK | 74.0 | -31.8 | 1.34 V | 35 | 39.5 | 2.7 |
| 6 | 4934.00 | 40.8 AV | 54.0 | -13.2 | 1.34 V | 35 | 38.1 | 2.7 |
| 7 | 7401.00 | 43.7 PK | 74.0 | -30.3 | 1.22 V | 195 | 34.8 | 8.9 |
| 8 | 7401.00 | 34.6 AV | 54.0 | -19.4 | 1.22 V | 195 | 25.7 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 13 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2472.00 | 95.4 PK | | | 3.95 H | 169 | 97.3 | -1.9 |
| 2 | *2472.00 | 86.9 AV | | | 3.95 H | 169 | 88.8 | -1.9 |
| 3 | 2486.37 | 57.2 PK | 74.0 | -16.8 | 3.95 H | 169 | 59.1 | -1.9 |
| 4 | 2486.37 | 44.7 AV | 54.0 | -9.3 | 3.95 H | 169 | 46.6 | -1.9 |
| 5 | 4944.00 | 44.0 PK | 74.0 | -30.0 | 1.33 H | 134 | 41.2 | 2.8 |
| 6 | 4944.00 | 41.5 AV | 54.0 | -12.5 | 1.33 H | 134 | 38.7 | 2.8 |
| 7 | 7416.00 | 42.6 PK | 74.0 | -31.4 | 1.31 H | 166 | 33.6 | 9.0 |
| 8 | 7416.00 | 32.5 AV | 54.0 | -21.5 | 1.31 H | 166 | 23.5 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2472.00 | 104.4 PK | | | 1.19 V | 292 | 106.3 | -1.9 |
| 2 | *2472.00 | 96.8 AV | | | 1.19 V | 292 | 98.7 | -1.9 |
| 3 | 2484.04 | 64.5 PK | 74.0 | -9.5 | 1.19 V | 292 | 66.4 | -1.9 |
| **4** | **2484.04** | **53.9 AV** | **54.0** | **-0.1** | **1.19 V** | **292** | **55.8** | **-1.9** |
| 5 | 4944.00 | 41.9 PK | 74.0 | -32.1 | 1.35 V | 44 | 39.1 | 2.8 |
| 6 | 4944.00 | 40.2 AV | 54.0 | -13.8 | 1.35 V | 44 | 37.4 | 2.8 |
| 7 | 7416.00 | 43.9 PK | 74.0 | -30.1 | 1.26 V | 197 | 34.9 | 9.0 |
| 8 | 7416.00 | 34.8 AV | 54.0 | -19.2 | 1.26 V | 197 | 25.8 | 9.0 |

**Remarks:**

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

### 802.11ax (HE20)

| Channel | TX Channel 1 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2389.00 | 64.7 PK | 74.0 | -9.3 | 3.29 H | 204 | 66.6 | -1.9 |
| 2 | 2389.00 | 46.5 AV | 54.0 | -7.5 | 3.29 H | 204 | 48.4 | -1.9 |
| 3 | *2412.00 | 103.8 PK | | | 3.29 H | 204 | 105.7 | -1.9 |
| 4 | *2412.00 | 93.2 AV | | | 3.29 H | 204 | 95.1 | -1.9 |
| 5 | 4824.00 | 47.7 PK | 74.0 | -26.3 | 1.45 H | 124 | 44.8 | 2.9 |
| 6 | 4824.00 | 45.2 AV | 54.0 | -8.8 | 1.45 H | 124 | 42.3 | 2.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 72.2 PK | 74.0 | -1.8 | 1.25 V | 106 | 74.1 | -1.9 |
| 2 | 2390.00 | 53.7 AV | 54.0 | -0.3 | 1.25 V | 106 | 55.6 | -1.9 |
| 3 | *2412.00 | 114.5 PK | | | 1.25 V | 106 | 116.4 | -1.9 |
| 4 | *2412.00 | 103.9 AV | | | 1.25 V | 106 | 105.8 | -1.9 |
| 5 | 4824.00 | 46.6 PK | 74.0 | -27.4 | 1.25 V | 19 | 43.7 | 2.9 |
| 6 | 4824.00 | 44.4 AV | 54.0 | -9.6 | 1.25 V | 19 | 41.5 | 2.9 |

**Remarks:**

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

| Channel | TX Channel 2 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 64.4 PK | 74.0 | -9.6 | 3.24 H | 188 | 66.3 | -1.9 |
| 2 | 2390.00 | 46.3 AV | 54.0 | -7.7 | 3.24 H | 188 | 48.2 | -1.9 |
| 3 | *2417.00 | 103.7 PK | | | 3.24 H | 188 | 105.6 | -1.9 |
| 4 | *2417.00 | 93.9 AV | | | 3.24 H | 188 | 95.8 | -1.9 |
| 5 | 4834.00 | 48.1 PK | 74.0 | -25.9 | 1.52 H | 125 | 45.2 | 2.9 |
| 6 | 4834.00 | 46.5 AV | 54.0 | -7.5 | 1.52 H | 125 | 43.6 | 2.9 |
| 7 | 7251.00 | 45.1 PK | 74.0 | -28.9 | 1.30 H | 155 | 36.3 | 8.8 |
| 8 | 7251.00 | 34.4 AV | 54.0 | -19.6 | 1.30 H | 155 | 25.6 | 8.8 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 66.8 PK | 74.0 | -7.2 | 1.27 V | 110 | 68.7 | -1.9 |
| 2 | 2390.00 | 53.5 AV | 54.0 | -0.5 | 1.27 V | 110 | 55.4 | -1.9 |
| 3 | *2417.00 | 116.3 PK | | | 1.27 V | 110 | 118.2 | -1.9 |
| 4 | *2417.00 | 104.3 AV | | | 1.27 V | 110 | 106.2 | -1.9 |
| 5 | 4834.00 | 46.3 PK | 74.0 | -27.7 | 1.31 V | 41 | 43.4 | 2.9 |
| 6 | 4834.00 | 45.2 AV | 54.0 | -8.8 | 1.31 V | 41 | 42.3 | 2.9 |
| 7 | 7251.00 | 43.6 PK | 74.0 | -30.4 | 1.18 V | 194 | 34.8 | 8.8 |
| 8 | 7251.00 | 36.3 AV | 54.0 | -17.7 | 1.18 V | 194 | 27.5 | 8.8 |

**Remarks:**

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

| Channel | TX Channel 6 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 64.2 PK | 74.0 | -9.8 | 3.87 H | 168 | 66.1 | -1.9 |
| 2 | 2390.00 | 46.0 AV | 54.0 | -8.0 | 3.87 H | 168 | 47.9 | -1.9 |
| 3 | *2437.00 | 105.3 PK | | | 3.87 H | 168 | 107.3 | -2.0 |
| 4 | *2437.00 | 94.3 AV | | | 3.87 H | 168 | 96.3 | -2.0 |
| 5 | 2483.50 | 57.3 PK | 74.0 | -16.7 | 3.87 H | 168 | 59.2 | -1.9 |
| 6 | 2483.50 | 44.6 AV | 54.0 | -9.4 | 3.87 H | 168 | 46.5 | -1.9 |
| 7 | 4874.00 | 48.5 PK | 74.0 | -25.5 | 1.45 H | 139 | 45.7 | 2.8 |
| 8 | 4874.00 | 46.9 AV | 54.0 | -7.1 | 1.45 H | 139 | 44.1 | 2.8 |
| 9 | 7311.00 | 45.6 PK | 74.0 | -28.4 | 1.31 H | 155 | 36.7 | 8.9 |
| 10 | 7311.00 | 35.2 AV | 54.0 | -18.8 | 1.31 H | 155 | 26.3 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 62.4 PK | 74.0 | -11.6 | 1.29 V | 113 | 64.3 | -1.9 |
| 2 | 2390.00 | 53.0 AV | 54.0 | -1.0 | 1.29 V | 113 | 54.9 | -1.9 |
| 3 | *2437.00 | 116.0 PK | | | 1.29 V | 113 | 118.0 | -2.0 |
| 4 | *2437.00 | 104.7 AV | | | 1.29 V | 113 | 106.7 | -2.0 |
| 5 | 2483.50 | 60.4 PK | 74.0 | -13.6 | 1.29 V | 113 | 62.3 | -1.9 |
| 6 | 2483.50 | 49.2 AV | 54.0 | -4.8 | 1.29 V | 113 | 51.1 | -1.9 |
| 7 | 4874.00 | 45.7 PK | 74.0 | -28.3 | 1.33 V | 32 | 42.9 | 2.8 |
| 8 | 4874.00 | 44.3 AV | 54.0 | -9.7 | 1.33 V | 32 | 41.5 | 2.8 |
| 9 | 7311.00 | 44.4 PK | 74.0 | -29.6 | 1.20 V | 177 | 35.5 | 8.9 |
| 10 | 7311.00 | 37.0 AV | 54.0 | -17.0 | 1.20 V | 177 | 28.1 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 10 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2457.00 | 104.7 PK | | | 3.88 H | 179 | 106.6 | -1.9 |
| 2 | *2457.00 | 94.2 AV | | | 3.88 H | 179 | 96.1 | -1.9 |
| 3 | 2483.50 | 64.4 PK | 74.0 | -9.6 | 3.88 H | 179 | 66.3 | -1.9 |
| 4 | 2483.50 | 46.5 AV | 54.0 | -7.5 | 3.88 H | 179 | 48.4 | -1.9 |
| 5 | 4914.00 | 49.1 PK | 74.0 | -24.9 | 1.46 H | 112 | 46.4 | 2.7 |
| 6 | 4914.00 | 47.3 AV | 54.0 | -6.7 | 1.46 H | 112 | 44.6 | 2.7 |
| 7 | 7371.00 | 45.5 PK | 74.0 | -28.5 | 1.32 H | 164 | 36.6 | 8.9 |
| 8 | 7371.00 | 35.2 AV | 54.0 | -18.8 | 1.32 H | 164 | 26.3 | 8.9 |
| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2457.00 | 116.5 PK | | | 1.31 V | 120 | 118.4 | -1.9 |
| 2 | *2457.00 | 104.6 AV | | | 1.31 V | 120 | 106.5 | -1.9 |
| 3 | 2483.50 | 66.4 PK | 74.0 | -7.6 | 1.31 V | 120 | 68.3 | -1.9 |
| 4 | 2483.50 | 53.7 AV | 54.0 | -0.3 | 1.31 V | 120 | 55.6 | -1.9 |
| 5 | 4914.00 | 46.2 PK | 74.0 | -27.8 | 1.28 V | 24 | 43.5 | 2.7 |
| 6 | 4914.00 | 45.0 AV | 54.0 | -9.0 | 1.28 V | 24 | 42.3 | 2.7 |
| 7 | 7371.00 | 44.5 PK | 74.0 | -29.5 | 1.27 V | 183 | 35.6 | 8.9 |
| 8 | 7371.00 | 37.2 AV | 54.0 | -16.8 | 1.27 V | 183 | 28.3 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 11 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2462.00 | 105.1 PK | | | 3.94 H | 169 | 107.0 | -1.9 |
| 2 | *2462.00 | 94.3 AV | | | 3.94 H | 169 | 96.2 | -1.9 |
| 3 | 2483.50 | 59.3 PK | 74.0 | -14.7 | 3.94 H | 169 | 61.2 | -1.9 |
| 4 | 2483.50 | 46.7 AV | 54.0 | -7.3 | 3.94 H | 169 | 48.6 | -1.9 |
| 5 | 4924.00 | 48.9 PK | 74.0 | -25.1 | 1.39 H | 114 | 46.2 | 2.7 |
| 6 | 4924.00 | 46.7 AV | 54.0 | -7.3 | 1.39 H | 114 | 44.0 | 2.7 |
| 7 | 7386.00 | 45.1 PK | 74.0 | -28.9 | 1.33 H | 175 | 36.1 | 9.0 |
| 8 | 7386.00 | 34.5 AV | 54.0 | -19.5 | 1.33 H | 175 | 25.5 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2462.00 | 114.0 PK | | | 1.00 V | 110 | 115.9 | -1.9 |
| 2 | *2462.00 | 103.2 AV | | | 1.00 V | 110 | 105.1 | -1.9 |
| 3 | 2483.50 | 64.4 PK | 74.0 | -9.6 | 1.00 V | 110 | 66.3 | -1.9 |
| 4 | 2483.50 | 53.8 AV | 54.0 | -0.2 | 1.00 V | 110 | 55.7 | -1.9 |
| 5 | 4924.00 | 46.4 PK | 74.0 | -27.6 | 1.27 V | 50 | 43.7 | 2.7 |
| 6 | 4924.00 | 44.9 AV | 54.0 | -9.1 | 1.27 V | 50 | 42.2 | 2.7 |
| 7 | 7386.00 | 43.7 PK | 74.0 | -30.3 | 1.22 V | 172 | 34.7 | 9.0 |
| 8 | 7386.00 | 36.3 AV | 54.0 | -17.7 | 1.22 V | 172 | 27.3 | 9.0 |

**Remarks:**

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

| Channel | TX Channel 12 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2467.00 | 99.8 PK | | | 3.95 H | 170 | 101.7 | -1.9 |
| 2 | *2467.00 | 90.2 AV | | | 3.95 H | 170 | 92.1 | -1.9 |
| 3 | 2483.50 | 56.8 PK | 74.0 | -17.2 | 3.95 H | 170 | 58.7 | -1.9 |
| 4 | 2483.50 | 46.2 AV | 54.0 | -7.8 | 3.95 H | 170 | 48.1 | -1.9 |
| 5 | 4934.00 | 43.7 PK | 74.0 | -30.3 | 1.32 H | 125 | 41.0 | 2.7 |
| 6 | 4934.00 | 42.6 AV | 54.0 | -11.4 | 1.32 H | 125 | 39.9 | 2.7 |
| 7 | 7401.00 | 42.6 PK | 74.0 | -31.4 | 1.34 H | 162 | 33.7 | 8.9 |
| 8 | 7401.00 | 32.5 AV | 54.0 | -21.5 | 1.34 H | 162 | 23.6 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2467.00 | 108.3 PK | | | 1.43 V | 139 | 110.2 | -1.9 |
| 2 | *2467.00 | 98.3 AV | | | 1.43 V | 139 | 100.2 | -1.9 |
| 3 | 2484.10 | 69.0 PK | 74.0 | -5.0 | 1.43 V | 139 | 70.9 | -1.9 |
| 4 | 2484.10 | 53.2 AV | 54.0 | -0.8 | 1.43 V | 139 | 55.1 | -1.9 |
| 5 | 4934.00 | 41.7 PK | 74.0 | -32.3 | 1.29 V | 43 | 39.0 | 2.7 |
| 6 | 4934.00 | 40.5 AV | 54.0 | -13.5 | 1.29 V | 43 | 37.8 | 2.7 |
| 7 | 7401.00 | 43.2 PK | 74.0 | -30.8 | 1.19 V | 193 | 34.3 | 8.9 |
| 8 | 7401.00 | 34.4 AV | 54.0 | -19.6 | 1.19 V | 193 | 25.5 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 13 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2472.00 | 96.0 PK | | | 3.95 H | 171 | 97.9 | -1.9 |
| 2 | *2472.00 | 85.5 AV | | | 3.95 H | 171 | 87.4 | -1.9 |
| 3 | 2485.25 | 57.1 PK | 74.0 | -16.9 | 3.95 H | 171 | 59.0 | -1.9 |
| 4 | 2485.25 | 45.2 AV | 54.0 | -8.8 | 3.95 H | 171 | 47.1 | -1.9 |
| 5 | 4944.00 | 43.9 PK | 74.0 | -30.1 | 1.33 H | 120 | 41.1 | 2.8 |
| 6 | 4944.00 | 41.4 AV | 54.0 | -12.6 | 1.33 H | 120 | 38.6 | 2.8 |
| 7 | 7416.00 | 42.7 PK | 74.0 | -31.3 | 1.34 H | 176 | 33.7 | 9.0 |
| 8 | 7416.00 | 32.6 AV | 54.0 | -21.4 | 1.34 H | 176 | 23.6 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2472.00 | 105.8 PK | | | 1.17 V | 286 | 107.7 | -1.9 |
| 2 | *2472.00 | 95.0 AV | | | 1.17 V | 286 | 96.9 | -1.9 |
| 3 | 2483.50 | 65.4 PK | 74.0 | -8.6 | 1.17 V | 286 | 67.3 | -1.9 |
| 4 | 2483.50 | 53.3 AV | 54.0 | -0.7 | 1.17 V | 286 | 55.2 | -1.9 |
| 5 | 4944.00 | 41.9 PK | 74.0 | -32.1 | 1.41 V | 41 | 39.1 | 2.8 |
| 6 | 4944.00 | 40.1 AV | 54.0 | -13.9 | 1.41 V | 41 | 37.3 | 2.8 |
| 7 | 7416.00 | 44.1 PK | 74.0 | -29.9 | 1.21 V | 188 | 35.1 | 9.0 |
| 8 | 7416.00 | 35.2 AV | 54.0 | -18.8 | 1.21 V | 188 | 26.2 | 9.0 |

**Remarks:**

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

### 802.11ax (HE40)

| Channel | TX Channel 3 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 56.6 PK | 74.0 | -17.4 | 2.70 H | 164 | 58.5 | -1.9 |
| 2 | 2390.00 | 44.0 AV | 54.0 | -10.0 | 2.70 H | 164 | 45.9 | -1.9 |
| 3 | *2422.00 | 99.7 PK | | | 2.70 H | 164 | 101.6 | -1.9 |
| 4 | *2422.00 | 88.5 AV | | | 2.70 H | 164 | 90.4 | -1.9 |
| 5 | 4844.00 | 48.8 PK | 74.0 | -25.2 | 1.39 H | 168 | 45.9 | 2.9 |
| 6 | 4844.00 | 46.0 AV | 54.0 | -8.0 | 1.39 H | 168 | 43.1 | 2.9 |
| 7 | 7266.00 | 43.9 PK | 74.0 | -30.1 | 1.24 H | 161 | 35.1 | 8.8 |
| 8 | 7266.00 | 33.6 AV | 54.0 | -20.4 | 1.24 H | 161 | 24.8 | 8.8 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2384.10 | 65.8 PK | 74.0 | -8.2 | 1.00 V | 102 | 67.7 | -1.9 |
| 2 | 2384.10 | 50.6 AV | 54.0 | -3.4 | 1.00 V | 102 | 52.5 | -1.9 |
| 3 | 2390.00 | 63.2 PK | 74.0 | -10.8 | 1.00 V | 102 | 65.1 | -1.9 |
| 4 | 2390.00 | 53.5 AV | 54.0 | -0.5 | 1.00 V | 102 | 55.4 | -1.9 |
| 5 | *2422.00 | 109.1 PK | | | 1.00 V | 102 | 111.0 | -1.9 |
| 6 | *2422.00 | 99.1 AV | | | 1.00 V | 102 | 101.0 | -1.9 |
| 7 | 4844.00 | 45.4 PK | 74.0 | -28.6 | 1.38 V | 40 | 42.5 | 2.9 |
| 8 | 4844.00 | 43.5 AV | 54.0 | -10.5 | 1.38 V | 40 | 40.6 | 2.9 |
| 9 | 7266.00 | 46.6 PK | 74.0 | -27.4 | 1.23 V | 176 | 37.8 | 8.8 |
| 10 | 7266.00 | 36.9 AV | 54.0 | -17.1 | 1.23 V | 176 | 28.1 | 8.8 |

**Remarks:**

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

| Channel | TX Channel 4 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 56.3 PK | 74.0 | -17.7 | 2.68 H | 149 | 58.2 | -1.9 |
| 2 | 2390.00 | 43.7 AV | 54.0 | -10.3 | 2.68 H | 149 | 45.6 | -1.9 |
| 3 | *2427.00 | 99.8 PK | | | 2.68 H | 149 | 101.8 | -2.0 |
| 4 | *2427.00 | 89.2 AV | | | 2.68 H | 149 | 91.2 | -2.0 |
| 5 | 4854.00 | 48.6 PK | 74.0 | -25.4 | 1.43 H | 156 | 45.8 | 2.8 |
| 6 | 4854.00 | 45.6 AV | 54.0 | -8.4 | 1.43 H | 156 | 42.8 | 2.8 |
| 7 | 7281.00 | 44.4 PK | 74.0 | -29.6 | 1.27 H | 164 | 35.6 | 8.8 |
| 8 | 7281.00 | 34.1 AV | 54.0 | -19.9 | 1.27 H | 164 | 25.3 | 8.8 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 63.5 PK | 74.0 | -10.5 | 1.07 V | 105 | 65.4 | -1.9 |
| **2** | **2390.00** | **53.9 AV** | **54.0** | **-0.1** | **1.07 V** | **105** | **55.8** | **-1.9** |
| 3 | *2427.00 | 109.8 PK | | | 1.07 V | 105 | 111.8 | -2.0 |
| 4 | *2427.00 | 99.7 AV | | | 1.07 V | 105 | 101.7 | -2.0 |
| 5 | 4854.00 | 45.5 PK | 74.0 | -28.5 | 1.28 V | 48 | 42.7 | 2.8 |
| 6 | 4854.00 | 43.8 AV | 54.0 | -10.2 | 1.28 V | 48 | 41.0 | 2.8 |
| 7 | 7281.00 | 46.5 PK | 74.0 | -27.5 | 1.26 V | 176 | 37.7 | 8.8 |
| 8 | 7281.00 | 36.7 AV | 54.0 | -17.3 | 1.26 V | 176 | 27.9 | 8.8 |

**Remarks:**

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

| Channel | TX Channel 6 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | 2390.00 | 56.6 PK | 74.0 | -17.4 | 2.65 H | 149 | 58.5 | -1.9 |
| 2 | 2390.00 | 44.2 AV | 54.0 | -9.8 | 2.65 H | 149 | 46.1 | -1.9 |
| 3 | *2437.00 | 100.4 PK | | | 2.65 H | 149 | 102.4 | -2.0 |
| 4 | *2437.00 | 89.6 AV | | | 2.65 H | 149 | 91.6 | -2.0 |
| 5 | 2483.50 | 56.7 PK | 74.0 | -17.3 | 2.65 H | 149 | 58.6 | -1.9 |
| 6 | 2483.50 | 44.5 AV | 54.0 | -9.5 | 2.65 H | 149 | 46.4 | -1.9 |
| 7 | 4874.00 | 48.7 PK | 74.0 | -25.3 | 1.46 H | 155 | 45.9 | 2.8 |
| 8 | 4874.00 | 45.6 AV | 54.0 | -8.4 | 1.46 H | 155 | 42.8 | 2.8 |
| 9 | 7311.00 | 45.1 PK | 74.0 | -28.9 | 1.26 H | 149 | 36.2 | 8.9 |
| 10 | 7311.00 | 34.6 AV | 54.0 | -19.4 | 1.26 H | 149 | 25.7 | 8.9 |
| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 2390.00 | 63.4 PK | 74.0 | -10.6 | 1.54 V | 116 | 65.3 | -1.9 |
| 2 | 2390.00 | 53.5 AV | 54.0 | -0.5 | 1.54 V | 116 | 55.4 | -1.9 |
| 3 | *2437.00 | 110.1 PK | | | 1.54 V | 116 | 112.1 | -2.0 |
| 4 | *2437.00 | 100.6 AV | | | 1.54 V | 116 | 102.6 | -2.0 |
| 5 | 2483.50 | 64.0 PK | 74.0 | -10.0 | 1.54 V | 116 | 65.9 | -1.9 |
| 6 | 2483.50 | 53.8 AV | 54.0 | -0.2 | 1.54 V | 116 | 55.7 | -1.9 |
| 7 | 4874.00 | 45.3 PK | 74.0 | -28.7 | 1.33 V | 38 | 42.5 | 2.8 |
| 8 | 4874.00 | 43.6 AV | 54.0 | -10.4 | 1.33 V | 38 | 40.8 | 2.8 |
| 9 | 7311.00 | 46.4 PK | 74.0 | -27.6 | 1.23 V | 172 | 37.5 | 8.9 |
| 10 | 7311.00 | 36.5 AV | 54.0 | -17.5 | 1.23 V | 172 | 27.6 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 8 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2447.00 | 99.5 PK | | | 2.69 H | 144 | 101.4 | -1.9 |
| 2 | *2447.00 | 89.1 AV | | | 2.69 H | 144 | 91.0 | -1.9 |
| 3 | 2483.50 | 58.7 PK | 74.0 | -15.3 | 2.69 H | 144 | 60.6 | -1.9 |
| 4 | 2483.50 | 45.5 AV | 54.0 | -8.5 | 2.69 H | 144 | 47.4 | -1.9 |
| 5 | 4894.00 | 48.5 PK | 74.0 | -25.5 | 1.48 H | 147 | 45.8 | 2.7 |
| 6 | 4894.00 | 45.2 AV | 54.0 | -8.8 | 1.48 H | 147 | 42.5 | 2.7 |
| 7 | 7341.00 | 45.2 PK | 74.0 | -28.8 | 1.29 H | 141 | 36.2 | 9.0 |
| 8 | 7341.00 | 34.9 AV | 54.0 | -19.1 | 1.29 H | 141 | 25.9 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2447.00 | 110.1 PK | | | 1.08 V | 107 | 112.0 | -1.9 |
| 2 | *2447.00 | 100.0 AV | | | 1.08 V | 107 | 101.9 | -1.9 |
| 3 | 2483.50 | 69.1 PK | 74.0 | -4.9 | 1.08 V | 107 | 71.0 | -1.9 |
| 4 | 2483.50 | 53.6 AV | 54.0 | -0.4 | 1.08 V | 107 | 55.5 | -1.9 |
| 5 | 4894.00 | 45.0 PK | 74.0 | -29.0 | 1.28 V | 51 | 42.3 | 2.7 |
| 6 | 4894.00 | 43.5 AV | 54.0 | -10.5 | 1.28 V | 51 | 40.8 | 2.7 |
| 7 | 7341.00 | 47.0 PK | 74.0 | -27.0 | 1.28 V | 161 | 38.0 | 9.0 |
| 8 | 7341.00 | 36.9 AV | 54.0 | -17.1 | 1.28 V | 161 | 27.9 | 9.0 |

**Remarks:**

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

| Channel | TX Channel 9 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2452.00 | 99.7 PK | | | 3.60 H | 175 | 101.6 | -1.9 |
| 2 | *2452.00 | 89.9 AV | | | 3.60 H | 175 | 91.8 | -1.9 |
| 3 | 2485.00 | 58.4 PK | 74.0 | -15.6 | 3.60 H | 175 | 60.3 | -1.9 |
| 4 | 2485.00 | 45.0 AV | 54.0 | -9.0 | 3.60 H | 175 | 46.9 | -1.9 |
| 5 | 4904.00 | 48.8 PK | 74.0 | -25.2 | 1.39 H | 142 | 46.1 | 2.7 |
| 6 | 4904.00 | 45.8 AV | 54.0 | -8.2 | 1.39 H | 142 | 43.1 | 2.7 |
| 7 | 7356.00 | 44.6 PK | 74.0 | -29.4 | 1.29 H | 178 | 35.7 | 8.9 |
| 8 | 7356.00 | 34.4 AV | 54.0 | -19.6 | 1.29 H | 178 | 25.5 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2452.00 | 108.7 PK | | | 1.10 V | 108 | 110.6 | -1.9 |
| 2 | *2452.00 | 99.6 AV | | | 1.10 V | 108 | 101.5 | -1.9 |
| 3 | 2484.40 | 69.1 PK | 74.0 | -4.9 | 1.10 V | 108 | 71.0 | -1.9 |
| **4** | **2484.40** | **53.9 AV** | **54.0** | **-0.1** | **1.10 V** | **108** | **55.8** | **-1.9** |
| 5 | 4904.00 | 45.3 PK | 74.0 | -28.7 | 1.28 V | 37 | 42.6 | 2.7 |
| 6 | 4904.00 | 43.6 AV | 54.0 | -10.4 | 1.28 V | 37 | 40.9 | 2.7 |
| 7 | 7356.00 | 46.8 PK | 74.0 | -27.2 | 1.23 V | 184 | 37.9 | 8.9 |
| 8 | 7356.00 | 36.9 AV | 54.0 | -17.1 | 1.23 V | 184 | 28.0 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 10 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2457.00 | 96.5 PK | | | 3.60 H | 175 | 98.4 | -1.9 |
| 2 | *2457.00 | 85.8 AV | | | 3.60 H | 175 | 87.7 | -1.9 |
| 3 | 2483.50 | 55.4 PK | 74.0 | -18.6 | 3.60 H | 175 | 57.3 | -1.9 |
| 4 | 2483.50 | 44.0 AV | 54.0 | -10.0 | 3.60 H | 175 | 45.9 | -1.9 |
| 5 | 4914.00 | 43.4 PK | 74.0 | -30.6 | 1.37 H | 139 | 40.7 | 2.7 |
| 6 | 4914.00 | 42.2 AV | 54.0 | -11.8 | 1.37 H | 139 | 39.5 | 2.7 |
| 7 | 7371.00 | 42.3 PK | 74.0 | -31.7 | 1.33 H | 149 | 33.4 | 8.9 |
| 8 | 7371.00 | 32.1 AV | 54.0 | -21.9 | 1.33 H | 149 | 23.2 | 8.9 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2457.00 | 104.3 PK | | | 1.50 V | 147 | 106.2 | -1.9 |
| 2 | *2457.00 | 94.6 AV | | | 1.50 V | 147 | 96.5 | -1.9 |
| 3 | 2483.50 | 63.8 PK | 74.0 | -10.2 | 1.50 V | 147 | 65.7 | -1.9 |
| 4 | 2483.50 | 51.6 AV | 54.0 | -2.4 | 1.50 V | 147 | 53.5 | -1.9 |
| 5 | 4914.00 | 41.3 PK | 74.0 | -32.7 | 1.26 V | 36 | 38.6 | 2.7 |
| 6 | 4914.00 | 40.2 AV | 54.0 | -13.8 | 1.26 V | 36 | 37.5 | 2.7 |
| 7 | 7371.00 | 43.8 PK | 74.0 | -30.2 | 1.20 V | 184 | 34.9 | 8.9 |
| 8 | 7371.00 | 34.7 AV | 54.0 | -19.3 | 1.20 V | 184 | 25.8 | 8.9 |

**Remarks:**

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

| Channel | TX Channel 11 | Detector Function | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| Frequency Range | 1GHz ~ 25GHz | | |

| 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 | *2462.00 | 94.6 PK | | | 4.00 H | 172 | 96.5 | -1.9 |
| 2 | *2462.00 | 83.2 AV | | | 4.00 H | 172 | 85.1 | -1.9 |
| 3 | 2483.50 | 55.1 PK | 74.0 | -18.9 | 4.00 H | 172 | 57.0 | -1.9 |
| 4 | 2483.50 | 45.6 AV | 54.0 | -8.4 | 4.00 H | 172 | 47.5 | -1.9 |
| 5 | 4924.00 | 43.7 PK | 74.0 | -30.3 | 1.35 H | 125 | 41.0 | 2.7 |
| 6 | 4924.00 | 41.3 AV | 54.0 | -12.7 | 1.35 H | 125 | 38.6 | 2.7 |
| 7 | 7386.00 | 43.0 PK | 74.0 | -31.0 | 1.39 H | 188 | 34.0 | 9.0 |
| 8 | 7386.00 | 33.0 AV | 54.0 | -21.0 | 1.39 H | 188 | 24.0 | 9.0 |
| **Antenna Polarity & Test Distance : Vertical at 3 m** | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *2462.00 | 100.6 PK | | | 1.47 V | 164 | 102.5 | -1.9 |
| 2 | *2462.00 | 91.9 AV | | | 1.47 V | 164 | 93.8 | -1.9 |
| 3 | 2483.50 | 61.4 PK | 74.0 | -12.6 | 1.47 V | 164 | 63.3 | -1.9 |
| 4 | 2483.50 | 53.8 AV | 54.0 | -0.2 | 1.47 V | 164 | 55.7 | -1.9 |
| 5 | 4924.00 | 41.5 PK | 74.0 | -32.5 | 1.30 V | 31 | 38.8 | 2.7 |
| 6 | 4924.00 | 40.1 AV | 54.0 | -13.9 | 1.30 V | 31 | 37.4 | 2.7 |
| 7 | 7386.00 | 42.9 PK | 74.0 | -31.1 | 1.17 V | 203 | 33.9 | 9.0 |
| 8 | 7386.00 | 34.4 AV | 54.0 | -19.6 | 1.17 V | 203 | 25.4 | 9.0 |

**Remarks:**

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

## Below 1GHz Worst-Case Data

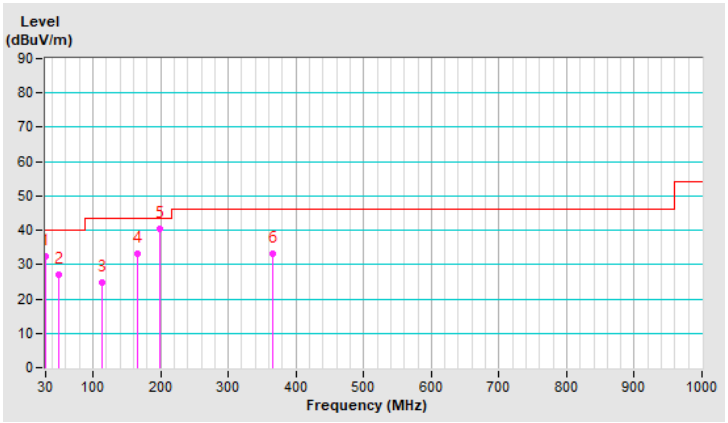
### 802.11b

| | | | |
|---|---|---|---|
| **Channel** | TX Channel 2 | **Detector Function** | Quasi-Peak (QP) |
| **Frequency Range** | 9kHz ~ 1GHz | | |

| 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 | 30.58 | 32.3 QP | 40.0 | -7.7 | 3.00 H | 134 | 41.2 | -8.9 |
| 2 | 49.35 | 26.9 QP | 40.0 | -13.1 | 1.00 H | 344 | 34.4 | -7.5 |
| 3 | 113.47 | 24.9 QP | 43.5 | -18.6 | 1.00 H | 83 | 34.6 | -9.7 |
| 4 | 165.97 | 33.2 QP | 43.5 | -10.3 | 1.50 H | 195 | 40.2 | -7.0 |
| 5 | 199.19 | 40.5 QP | 43.5 | -3.0 | 1.00 H | 192 | 50.6 | -10.1 |
| 6 | 365.86 | 33.3 QP | 46.0 | -12.7 | 1.00 H | 182 | 37.2 | -3.9 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

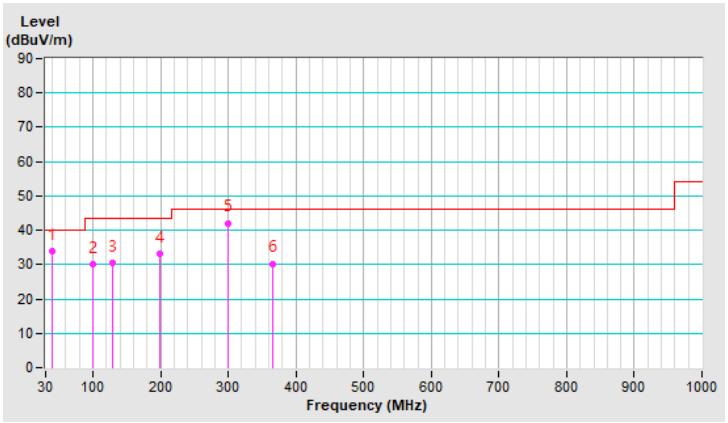


| Channel | TX Channel 2 | Detector Function | Quasi-Peak (QP) |
|---|---|---|---|
| Frequency Range | 9kHz ~ 1GHz | | |

| 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 | 39.99 | 33.9 QP | 40.0 | -6.1 | 1.00 V | 250 | 42.1 | -8.2 |
| 2 | 99.74 | 30.1 QP | 43.5 | -13.4 | 1.00 V | 170 | 41.8 | -11.7 |
| 3 | 129.35 | 30.3 QP | 43.5 | -13.2 | 1.00 V | 182 | 38.5 | -8.2 |
| 4 | 199.17 | 33.3 QP | 43.5 | -10.2 | 2.00 V | 236 | 43.4 | -10.1 |
| 5 | 299.32 | 42.1 QP | 46.0 | -3.9 | 1.00 V | 264 | 48.0 | -5.9 |
| 6 | 365.16 | 30.3 QP | 46.0 | -15.7 | 2.00 V | 129 | 34.2 | -3.9 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



## 4.2 Conducted Emission Measurement

### 4.2.1 Limits of Conducted Emission Measurement

| 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 |

Note: 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 0.50MHz.

### 4.2.2 Test Instruments

| DESCRIPTION & MANUFACTURER | MODEL NO. | SERIAL NO. | CALIBRATED DATE | CALIBRATED UNTIL |
|---|---|---|---|---|
| Test Receiver R&S | ESCS 30 | 847124/029 | Oct. 23, 2019 | Oct. 22, 2020 |
| Line-Impedance Stabilization Network (for EUT) R&S | ESH3-Z5 | 848773/004 | Oct. 23, 2019 | Oct. 22, 2020 |
| Line-Impedance Stabilization Network (for Peripheral) R&S | ESH3-Z5 | 835239/001 | Mar. 19, 2020 | Mar. 18, 2021 |
| 50 ohms Terminator | 50 | 3 | Oct. 23, 2019 | Oct. 22, 2020 |
| RF Cable | 5D-FB | COCCAB-001 | Sep. 27, 2019 | Sep. 26, 2020 |
| Fixed attenuator EMCI | STI02-2200-10 | 005 | Aug. 29, 2020 | Aug. 28, 2021 |
| Software BVADT | BVADT_Cond_ V7.3.7.4 | NA | NA | NA |

**Note:**
1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Conduction 1.
3. Tested Date: Sep. 18, 2020

4.2.3 Test Procedures

a. The EUT was 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/ 50uH of coupling impedance for the measuring instrument.

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

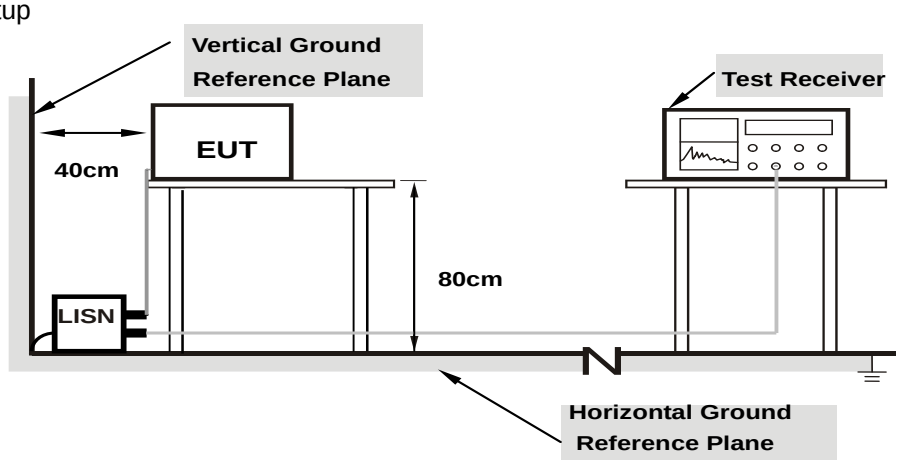
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

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

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 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).

4.2.6 EUT Operating Conditions

Same as 4.1.6.

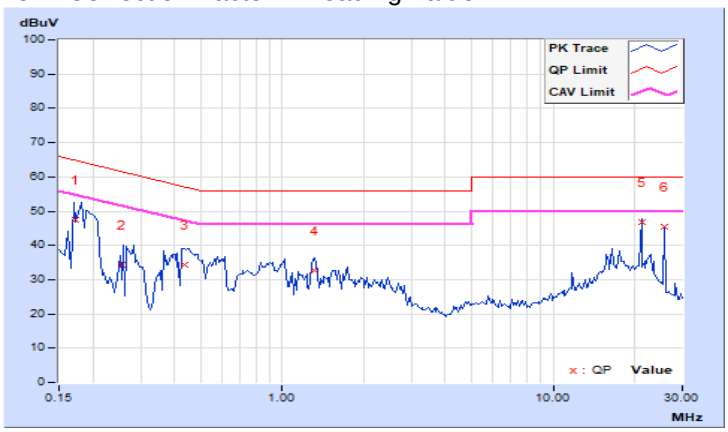
4.2.7 Test Results

| Phase | Line (L) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|---|---|---|---|

| 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 | 0.17339 | 9.92 | 37.57 | 11.01 | 47.49 | 20.93 | 64.80 | 54.80 | -17.31 | -33.87 |
| 2 | 0.25659 | 9.94 | 24.35 | 0.61 | 34.29 | 10.55 | 61.54 | 51.54 | -27.25 | -40.99 |
| 3 | 0.43636 | 9.95 | 24.34 | 5.74 | 34.29 | 15.69 | 57.13 | 47.13 | -22.84 | -31.44 |
| 4 | 1.32133 | 10.00 | 22.80 | 7.37 | 32.80 | 17.37 | 56.00 | 46.00 | -23.20 | -28.63 |
| **5** | **21.16792** | **11.05** | **35.90** | **35.71** | **46.95** | **46.76** | **60.00** | **50.00** | **-13.05** | **-3.24** |
| 6 | 25.87298 | 11.18 | 34.39 | 34.35 | 45.57 | 45.53 | 60.00 | 50.00 | -14.43 | -4.47 |

**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

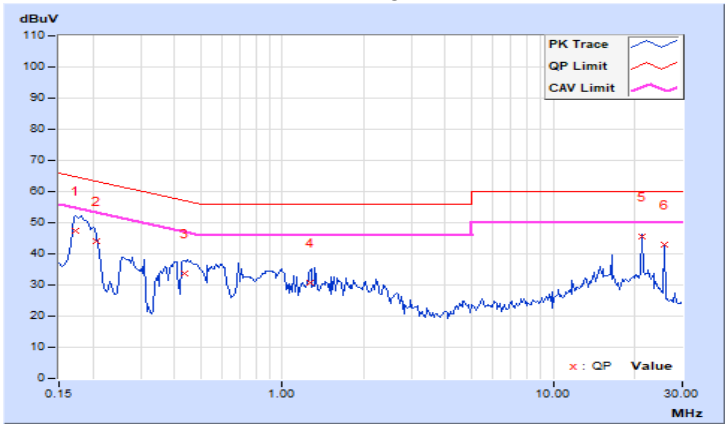


| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|---|---|---|---|

| 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 | 0.17354 | 9.92 | 37.35 | 11.11 | 47.27 | 21.03 | 64.79 | 54.79 | -17.52 | -33.76 |
| 2 | 0.20512 | 9.93 | 34.27 | 12.54 | 44.20 | 22.47 | 63.40 | 53.40 | -19.20 | -30.93 |
| 3 | 0.43623 | 9.95 | 23.59 | 5.03 | 33.54 | 14.98 | 57.13 | 47.13 | -23.59 | -32.15 |
| 4 | 1.27294 | 10.00 | 20.71 | 4.58 | 30.71 | 14.58 | 56.00 | 46.00 | -25.29 | -31.42 |
| 5 | 21.16883 | 10.78 | 34.69 | 34.50 | 45.47 | 45.28 | 60.00 | 50.00 | -14.53 | -4.72 |
| 6 | 25.87218 | 10.86 | 32.21 | 32.10 | 43.07 | 42.96 | 60.00 | 50.00 | -16.93 | -7.04 |

**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

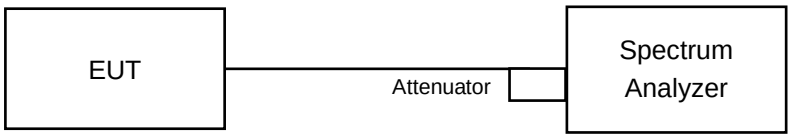


## 4.3 6dB Bandwidth Measurement

### 4.3.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

### 4.3.2 Test Setup




### 4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

### 4.3.4 Test Procedure

a. Set resolution bandwidth (RBW) = 100kHz
b. Set the video bandwidth (VBW) ≥ 3 x RBW, Detector = Peak.
c. Trace mode = max hold.
d. Sweep = auto couple.
e. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission. In order to obtain results more easily, change max hold to view. It has no effect on the result

### 4.3.5 Deviation from Test Standard

No deviation.

### 4.3.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 Test Result

**802.11b**

| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | | Minimum Limit (MHz) | Pass / Fail |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 1 | 2412 | 8.07 | 8.09 | 0.5 | Pass |
| 2 | 2417 | 8.04 | 8.08 | 0.5 | Pass |
| 6 | 2437 | 8.09 | 8.01 | 0.5 | Pass |
| 10 | 2457 | 8.08 | 8.08 | 0.5 | Pass |
| 11 | 2462 | 8.08 | 8.1 | 0.5 | Pass |
| 12 | 2467 | 8.08 | 8.04 | 0.5 | Pass |
| 13 | 2472 | 8.08 | 8.11 | 0.5 | Pass |

**802.11g**

| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | | Minimum Limit (MHz) | Pass / Fail |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 1 | 2412 | 15.2 | 15.2 | 0.5 | Pass |
| 2 | 2417 | 15.21 | 15.16 | 0.5 | Pass |
| 6 | 2437 | 15.61 | 16.34 | 0.5 | Pass |
| 10 | 2457 | 16.32 | 16.29 | 0.5 | Pass |
| 11 | 2462 | 15.87 | 16.33 | 0.5 | Pass |
| 12 | 2467 | 15.17 | 16.34 | 0.5 | Pass |
| 13 | 2472 | 15.16 | 15.18 | 0.5 | Pass |

**802.11ax (HE20)**

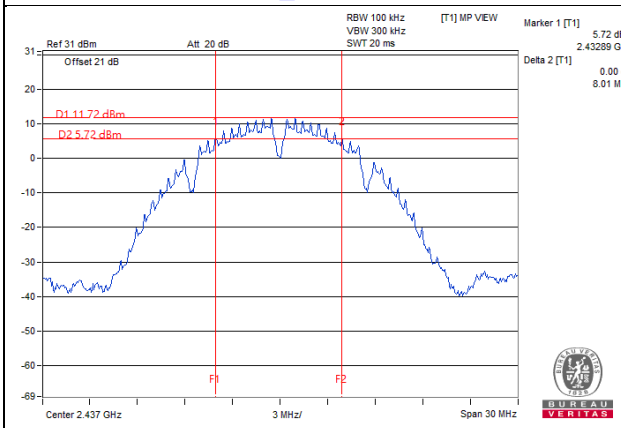
| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | | Minimum Limit (MHz) | Pass / Fail |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 1 | 2412 | 18.53 | 17.69 | 0.5 | Pass |
| 2 | 2417 | 18.2 | 17.73 | 0.5 | Pass |
| 6 | 2437 | 18.5 | 18.67 | 0.5 | Pass |
| 10 | 2457 | 18.79 | 17.89 | 0.5 | Pass |
| 11 | 2462 | 18.67 | 18.36 | 0.5 | Pass |
| 12 | 2467 | 18.56 | 15.18 | 0.5 | Pass |
| 13 | 2472 | 18.46 | 15.2 | 0.5 | Pass |

## 802.11ax (HE40)

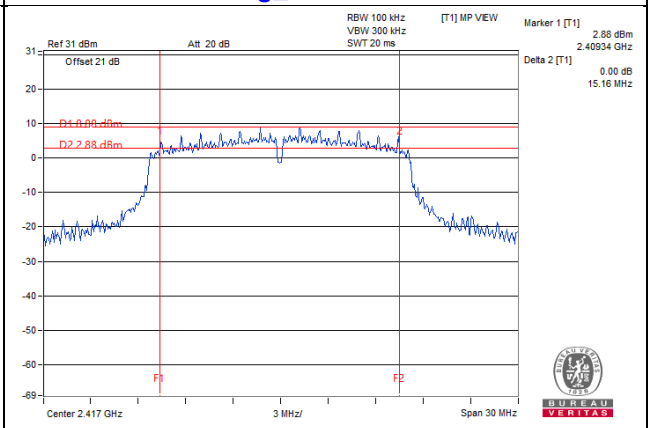
| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | | Minimum Limit (MHz) | Pass / Fail |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 3 | 2422 | 37.43 | 35.24 | 0.5 | Pass |
| 4 | 2427 | 36.63 | 37.19 | 0.5 | Pass |
| 6 | 2437 | 37.16 | 37.21 | 0.5 | Pass |
| 8 | 2447 | 36.67 | 37.36 | 0.5 | Pass |
| 9 | 2452 | 37.11 | 35.25 | 0.5 | Pass |
| 10 | 2457 | 37.56 | 36.57 | 0.5 | Pass |
| 11 | 2462 | 37.76 | 37.39 | 0.5 | Pass |

Spectrum Plot of Worst Value

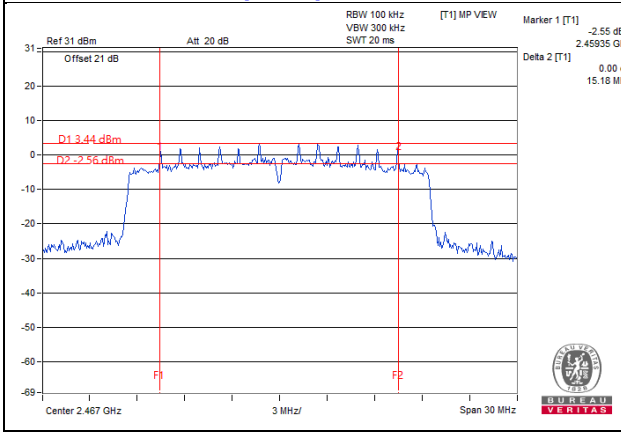
802.11b_Chain 1 / CH6



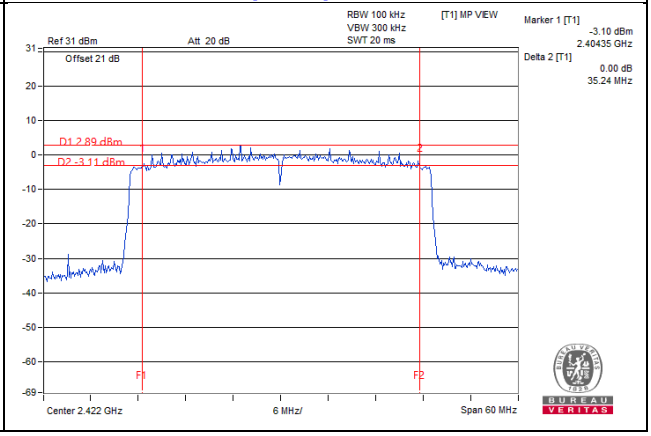

802.11g_Chain 0 / CH13




802.11ax (HE20)_Chain 1 / CH12




802.11ax (HE40)_Chain 1 / CH3



## 4.4 Conducted Output Power Measurement

### 4.4.1 Limits of Conducted Output Power Measurement

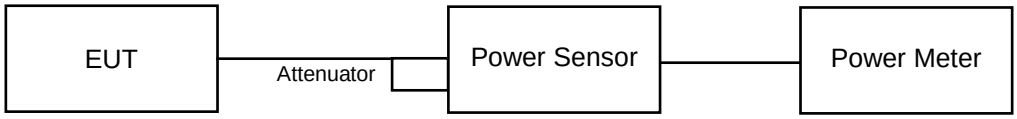
For systems using digital modulation in the 2400–2483.5 MHz bands: 1 Watt (30dBm)

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

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

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

### 4.4.2 Test Setup




### 4.4.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

### 4.4.4 Test Procedures

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

Average power sensor was 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. Duty factor is not added to measured value.

### 4.4.5 Deviation from Test Standard

No deviation.

### 4.4.6 EUT Operating Conditions

Same as Item 4.3.6.

4.4.7 Test Results

**FOR PEAK POWER**

**802.11b**

| Chan. | Chan. Freq. (MHz) | Peak Power (dBm) | | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | |
| 1 | 2412 | 21.54 | 21.86 | 296.022 | 24.71 | 30.00 | Pass |
| 2 | 2417 | 21.96 | 21.43 | 296.032 | 24.71 | 30.00 | Pass |
| 6 | 2437 | 21.47 | 21.66 | 286.836 | 24.58 | 30.00 | Pass |
| 10 | 2457 | 21.33 | 21.91 | 291.07 | 24.64 | 30.00 | Pass |
| 11 | 2462 | 21.30 | 21.87 | 288.712 | 24.60 | 30.00 | Pass |
| 12 | 2467 | 17.86 | 17.98 | 123.9 | 20.93 | 30.00 | Pass |
| 13 | 2472 | 11.46 | 11.37 | 27.705 | 14.43 | 30.00 | Pass |

**802.11g**

| Chan. | Chan. Freq. (MHz) | Peak Power (dBm) | | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | |
| 1 | 2412 | 24.63 | 25.46 | 641.963 | 28.08 | 30.00 | Pass |
| 2 | 2417 | 25.37 | 25.62 | 709.104 | 28.51 | 30.00 | Pass |
| 6 | 2437 | 25.48 | 25.77 | 730.755 | 28.64 | 30.00 | Pass |
| 10 | 2457 | 25.42 | 25.53 | 705.61 | 28.49 | 30.00 | Pass |
| 11 | 2462 | 24.48 | 24.52 | 563.683 | 27.51 | 30.00 | Pass |
| 12 | 2467 | 20.92 | 21.13 | 253.313 | 24.04 | 30.00 | Pass |
| 13 | 2472 | 16.27 | 14.81 | 72.633 | 18.61 | 30.00 | Pass |

### VHT20

| Chan. | Chan. Freq. (MHz) | Peak Power (dBm) | | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | |
| 1 | 2412 | 25.07 | 25.42 | 669.703 | 28.26 | 30.00 | Pass |
| 2 | 2417 | 25.73 | 25.19 | 704.48 | 28.48 | 30.00 | Pass |
| 6 | 2437 | 26.04 | 25.59 | 764.034 | 28.83 | 30.00 | Pass |
| 10 | 2457 | 25.64 | 25.13 | 692.274 | 28.40 | 30.00 | Pass |
| 11 | 2462 | 23.97 | 24.18 | 511.278 | 27.09 | 30.00 | Pass |
| 12 | 2467 | 19.22 | 18.63 | 156.506 | 21.95 | 30.00 | Pass |
| 13 | 2472 | 15.17 | 14.73 | 62.602 | 17.97 | 30.00 | Pass |

### VHT40

| Chan. | Chan. Freq. (MHz) | Peak Power (dBm) | | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | |
| 3 | 2422 | 23.51 | 23.61 | 454.003 | 26.57 | 30.00 | Pass |
| 4 | 2427 | 23.79 | 23.82 | 480.322 | 26.82 | 30.00 | Pass |
| 6 | 2437 | 24.09 | 24.16 | 517.064 | 27.14 | 30.00 | Pass |
| 8 | 2447 | 23.74 | 23.89 | 481.498 | 26.83 | 30.00 | Pass |
| 9 | 2452 | 23.18 | 23.26 | 419.806 | 26.23 | 30.00 | Pass |
| 10 | 2457 | 17.16 | 16.83 | 100.194 | 20.01 | 30.00 | Pass |
| 11 | 2462 | 15.09 | 14.98 | 63.762 | 18.05 | 30.00 | Pass |

### 802.11ax (HE20)

| Chan. | Chan. Freq. (MHz) | Peak Power (dBm) | | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | |
| 1 | 2412 | 25.34 | 25.69 | 712.66 | 28.53 | 30.00 | Pass |
| 2 | 2417 | 25.94 | 25.43 | 741.785 | 28.70 | 30.00 | Pass |
| 6 | 2437 | 26.33 | 25.87 | 815.903 | 29.12 | 30.00 | Pass |
| 10 | 2457 | 25.88 | 25.37 | 731.608 | 28.64 | 30.00 | Pass |
| 11 | 2462 | 24.18 | 24.44 | 539.79 | 27.32 | 30.00 | Pass |
| 12 | 2467 | 19.57 | 18.88 | 167.841 | 22.25 | 30.00 | Pass |
| 13 | 2472 | 15.43 | 14.96 | 66.247 | 18.21 | 30.00 | Pass |

### 802.11ax (HE40)

| Chan. | Chan. Freq. (MHz) | Peak Power (dBm) | | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | | |
| 3 | 2422 | 23.74 | 23.87 | 480.373 | 26.82 | 30.00 | Pass |
| 4 | 2427 | 24.02 | 24.09 | 508.796 | 27.07 | 30.00 | Pass |
| 6 | 2437 | 24.43 | 24.55 | 562.434 | 27.50 | 30.00 | Pass |
| 8 | 2447 | 23.98 | 24.13 | 508.856 | 27.07 | 30.00 | Pass |
| 9 | 2452 | 23.42 | 23.67 | 452.595 | 26.56 | 30.00 | Pass |
| 10 | 2457 | 17.41 | 17.02 | 105.431 | 20.23 | 30.00 | Pass |
| 11 | 2462 | 15.34 | 15.21 | 67.387 | 18.29 | 30.00 | Pass |

## FOR AVERAGE POWER

### 802.11b

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | Total Average Power (mW) | Total Average Power (dBm) |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 1 | 2412 | 19.13 | 19.32 | 167.353 | 22.24 |
| 2 | 2417 | 19.57 | 19.02 | 170.373 | 22.31 |
| 6 | 2437 | 19.05 | 19.37 | 166.849 | 22.22 |
| 10 | 2457 | 19.14 | 19.34 | 167.937 | 22.25 |
| 11 | 2462 | 19.12 | 19.29 | 166.576 | 22.22 |
| 12 | 2467 | 15.32 | 15.39 | 68.635 | 18.37 |
| 13 | 2472 | 9.17 | 8.95 | 16.113 | 12.07 |

### 802.11g

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | Total Average Power (mW) | Total Average Power (dBm) |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 1 | 2412 | 16.72 | 17.59 | 104.401 | 20.19 |
| 2 | 2417 | 18.04 | 18.43 | 133.342 | 21.25 |
| 6 | 2437 | 18.17 | 18.52 | 136.736 | 21.36 |
| 10 | 2457 | 18.09 | 18.33 | 132.494 | 21.22 |
| 11 | 2462 | 17.09 | 17.13 | 102.81 | 20.12 |
| 12 | 2467 | 12.11 | 12.23 | 32.966 | 15.18 |
| 13 | 2472 | 7.06 | 6.97 | 10.059 | 10.03 |

## VHT20

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | Total Average Power (mW) | Total Average Power (dBm) |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 1 | 2412 | 16.24 | 16.78 | 89.716 | 19.53 |
| 2 | 2417 | 17.71 | 17.42 | 114.228 | 20.58 |
| 6 | 2437 | 18.19 | 17.88 | 127.294 | 21.05 |
| 10 | 2457 | 17.65 | 17.27 | 111.544 | 20.47 |
| 11 | 2462 | 16.23 | 16.39 | 85.527 | 19.32 |
| 12 | 2467 | 10.36 | 10.22 | 21.384 | 13.30 |
| 13 | 2472 | 5.83 | 5.31 | 7.225 | 8.59 |

## VHT40

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | Total Average Power (mW) | Total Average Power (dBm) |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 3 | 2422 | 15.16 | 15.17 | 65.695 | 18.18 |
| 4 | 2427 | 15.64 | 15.71 | 73.883 | 18.69 |
| 6 | 2437 | 16.08 | 16.23 | 82.527 | 19.17 |
| 8 | 2447 | 15.55 | 15.74 | 73.389 | 18.66 |
| 9 | 2452 | 15.01 | 15.16 | 64.505 | 18.10 |
| 10 | 2457 | 8.68 | 8.53 | 14.508 | 11.62 |
| 11 | 2462 | 6.65 | 6.41 | 8.999 | 9.54 |

### 802.11ax (HE20)

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | Total Average Power (mW) | Total Average Power (dBm) |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 1 | 2412 | 16.51 | 17.02 | 95.121 | 19.78 |
| 2 | 2417 | 17.92 | 17.65 | 120.154 | 20.80 |
| 6 | 2437 | 18.44 | 18.12 | 134.687 | 21.29 |
| 10 | 2457 | 17.86 | 17.54 | 117.849 | 20.71 |
| 11 | 2462 | 16.37 | 16.62 | 89.271 | 19.51 |
| 12 | 2467 | 10.61 | 10.39 | 22.448 | 13.51 |
| 13 | 2472 | 6.07 | 5.54 | 7.627 | 8.82 |

### 802.11ax (HE40)

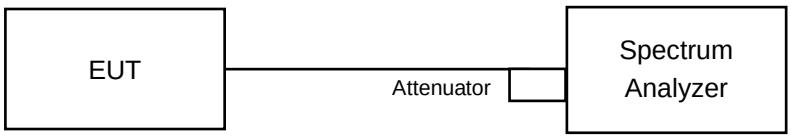
| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | Total Average Power (mW) | Total Average Power (dBm) |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | |
| 3 | 2422 | 15.41 | 15.44 | 69.748 | 18.44 |
| 4 | 2427 | 15.88 | 15.93 | 77.9 | 18.92 |
| 6 | 2437 | 16.33 | 16.47 | 87.315 | 19.41 |
| 8 | 2447 | 15.76 | 15.96 | 77.116 | 18.87 |
| 9 | 2452 | 15.24 | 15.42 | 68.253 | 18.34 |
| 10 | 2457 | 8.91 | 8.76 | 15.297 | 11.85 |
| 11 | 2462 | 6.89 | 6.64 | 9.5 | 9.78 |

## 4.5 Power Spectral Density Measurement

### 4.5.1 Limits of Power Spectral Density Measurement

The Maximum of Power Spectral Density Measurement is 8dBm in any 3 kHz.

### 4.5.2 Test Setup




### 4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

### 4.5.4 Test Procedure

a. Set analyzer center frequency to DTS channel center frequency.
b. Set the span to 1.5 times the DTS bandwidth.
c. Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz.
d. Set the VBW ≥ 3 × RBW.
e. Detector = peak.
f. Sweep time = auto couple.
g. Trace mode = max hold.
h. Allow trace to fully stabilize.
i. Use the peak marker function to determine the maximum amplitude level within the RBW.
In order to obtain results more easily, change max hold to view. It has no effect on the result

### 4.5.5 Deviation from Test Standard

No deviation.

### 4.5.6 EUT Operating Condition

Same as Item 4.3.6

4.5.7 Test Results

**802.11b**

| Chan. | Chan. Freq. (MHz) | PSD (dBm/3kHz) | | Total PSD (dBm/3kHz) | PSD Limit (dBm/3kHz) | Pass / Fail |
|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | |
| 1 | 2412 | -2.29 | -3.12 | 0.32 | 7.81 | Pass |
| 2 | 2417 | -3.37 | -3.35 | -0.35 | 7.81 | Pass |
| 6 | 2437 | -2.39 | -3.21 | 0.23 | 7.81 | Pass |
| 10 | 2457 | -3.18 | -2.59 | 0.14 | 7.81 | Pass |
| 11 | 2462 | -2.62 | -1.80 | 0.82 | 7.81 | Pass |
| 12 | 2467 | -5.33 | -6.24 | -2.75 | 7.81 | Pass |
| 13 | 2472 | -11.97 | -13.72 | -9.75 | 7.81 | Pass |

Note: Directional gain = 3.18dBi + 10log(2) = 6.19dBi > 6dBi , so the power density limit shall be reduced to 8-(6.19-6) = 7.81dBm.

**802.11g**

| Chan. | Chan. Freq. (MHz) | PSD (dBm/3kHz) | | Total PSD (dBm/3kHz) | PSD Limit (dBm/3kHz) | Pass / Fail |
|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | |
| 1 | 2412 | -8.43 | -6.03 | -4.06 | 7.81 | Pass |
| 2 | 2417 | -6.20 | -5.34 | -2.74 | 7.81 | Pass |
| 6 | 2437 | -5.35 | -5.35 | -2.34 | 7.81 | Pass |
| 10 | 2457 | -5.11 | -4.18 | -1.61 | 7.81 | Pass |
| 11 | 2462 | -6.63 | -6.11 | -3.35 | 7.81 | Pass |
| 12 | 2467 | -11.49 | -11.38 | -8.42 | 7.81 | Pass |
| 13 | 2472 | -16.83 | -17.80 | -14.28 | 7.81 | Pass |

Note: Directional gain = 3.18dBi + 10log(2) = 6.19dBi > 6dBi , so the power density limit shall be reduced to 8-(6.19-6) = 7.81dBm.

### 802.11ax (HE20)

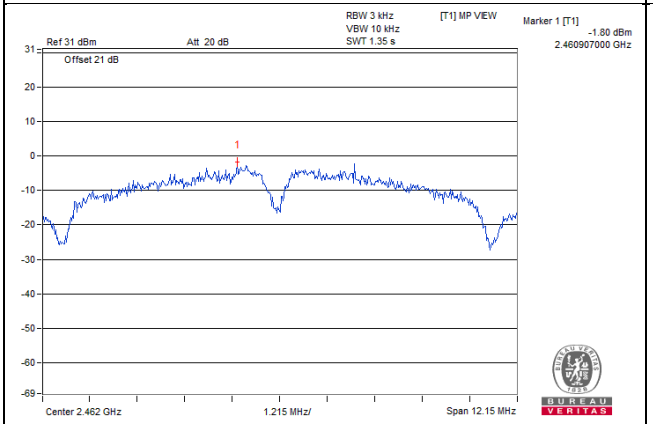
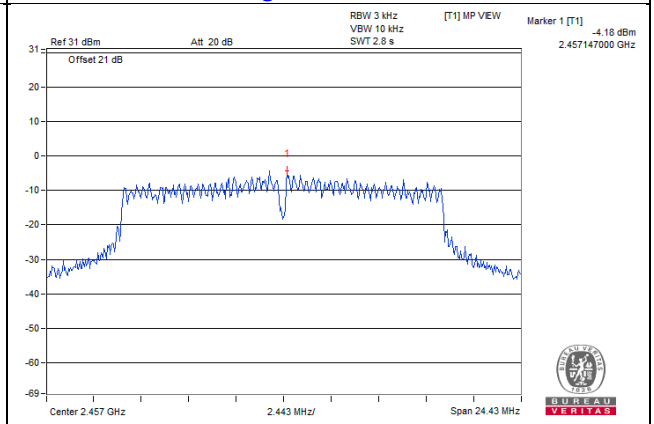
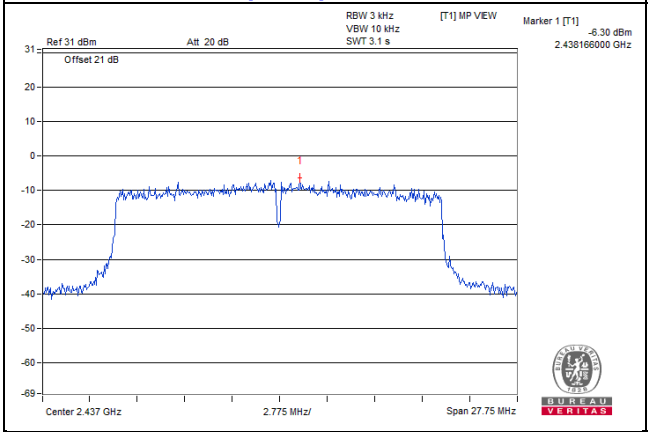
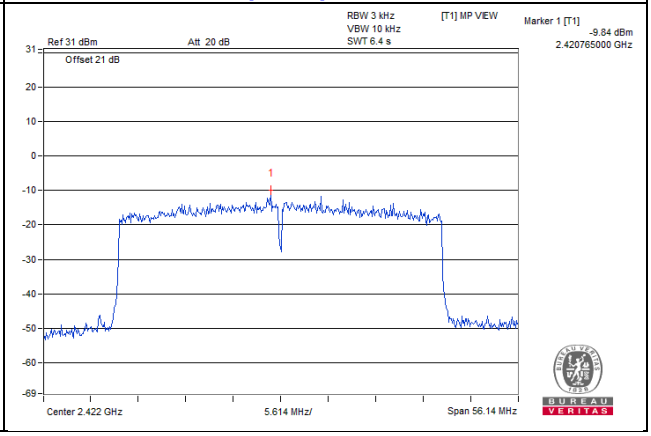
| Chan. | Chan. Freq. (MHz) | PSD (dBm/3kHz) | | Total PSD (dBm/3kHz) | PSD Limit (dBm/3kHz) | Pass / Fail |
|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | |
| 1 | 2412 | -8.41 | -8.26 | -5.32 | 7.81 | Pass |
| 2 | 2417 | -7.31 | -7.27 | -4.28 | 7.81 | Pass |
| 6 | 2437 | -6.30 | -7.06 | -3.65 | 7.81 | Pass |
| 10 | 2457 | -7.21 | -7.77 | -4.47 | 7.81 | Pass |
| 11 | 2462 | -9.76 | -7.84 | -5.68 | 7.81 | Pass |
| 12 | 2467 | -14.31 | -15.24 | -11.74 | 7.81 | Pass |
| 13 | 2472 | -18.70 | -19.80 | -16.21 | 7.81 | Pass |

Note: Directional gain = 3.18dBi + 10log(2) = 6.19dBi > 6dBi , so the power density limit shall be reduced to 8-(6.19-6) = 7.81dBm.

### 802.11ax (HE40)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/3kHz) | | Total PSD (dBm/3kHz) | PSD Limit (dBm/3kHz) | Pass / Fail |
|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | | | |
| 3 | 2422 | -9.84 | -12.29 | -7.88 | 7.81 | Pass |
| 4 | 2427 | -12.13 | -11.51 | -8.80 | 7.81 | Pass |
| 6 | 2437 | -11.23 | -10.69 | -7.94 | 7.81 | Pass |
| 8 | 2447 | -12.25 | -11.76 | -8.99 | 7.81 | Pass |
| 9 | 2452 | -12.97 | -11.98 | -9.44 | 7.81 | Pass |
| 10 | 2457 | -19.12 | -17.80 | -15.40 | 7.81 | Pass |
| 11 | 2462 | -20.28 | -21.57 | -17.87 | 7.81 | Pass |

Note: Directional gain = 3.18dBi + 10log(2) = 6.19dBi > 6dBi , so the power density limit shall be reduced to 8-(6.19-6) = 7.81dBm.

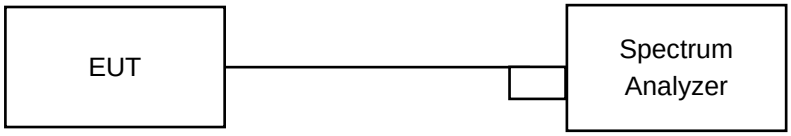
| Spectrum Plot of Worst Value | |
|---|---|
| **802.11b_Chain 1 / CH11** | **802.11g_Chain 1 / CH10** |
|  |  |
| **802.11ax (HE20) _Chain 0 / CH6** | **802.11ax (HE40) _Chain 0 / CH3** |
|  |  |

## 4.6 Conducted Out of Band Emission Measurement

### 4.6.1 Limits of Conducted Out of Band Emission Measurement

Below 20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

### 4.6.2 Test Setup




### 4.6.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

### 4.6.4 Test Procedure

**MEASUREMENT PROCEDURE REF**

1. Set the RBW = 100 kHz.
2. Set the VBW ≥ 300 kHz.
3. Detector = peak.
4. Sweep time = auto couple.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.. In order to obtain results more easily, change max hold to view. It has no effect on the result.

**MEASUREMENT PROCEDURE OOBE**

1. Set RBW = 100 kHz.
2. Set VBW ≥ 300 kHz.
3. Detector = peak.
4. Sweep = auto couple.
5. Trace Mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum amplitude level.
   In order to obtain results more easily, change max hold to view. It has no effect on the result.

### 4.6.5 Deviation from Test Standard

No deviation.

### 4.6.6 EUT Operating Condition

Same as Item 4.3.6

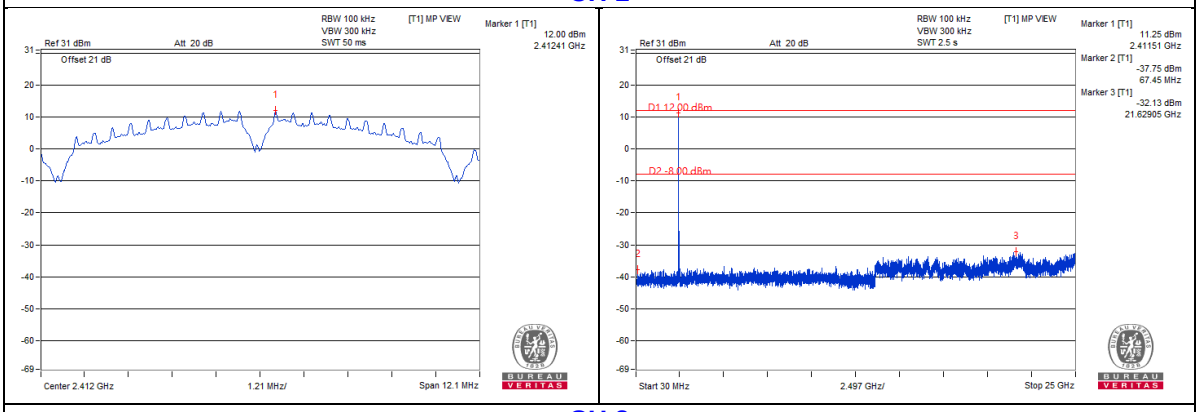
### 4.6.7 Test Results

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement.

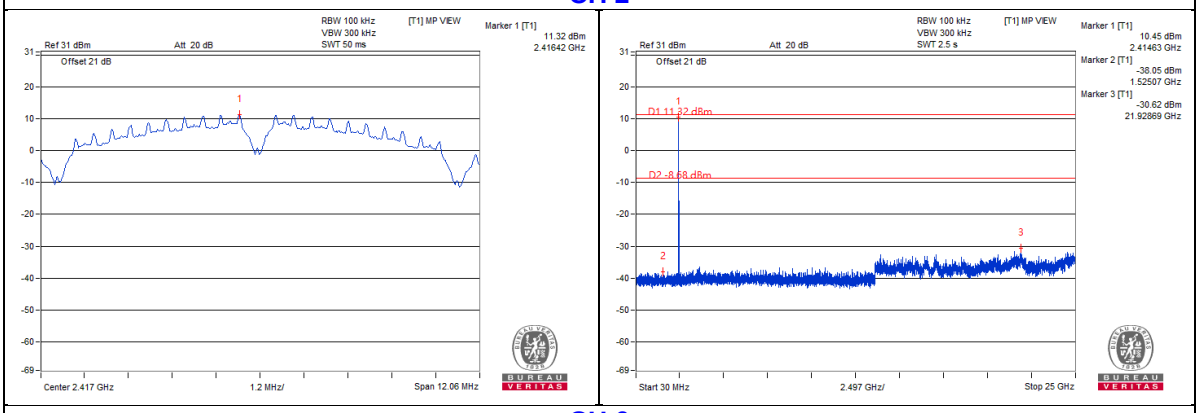
## 802.11b

## Chain 0

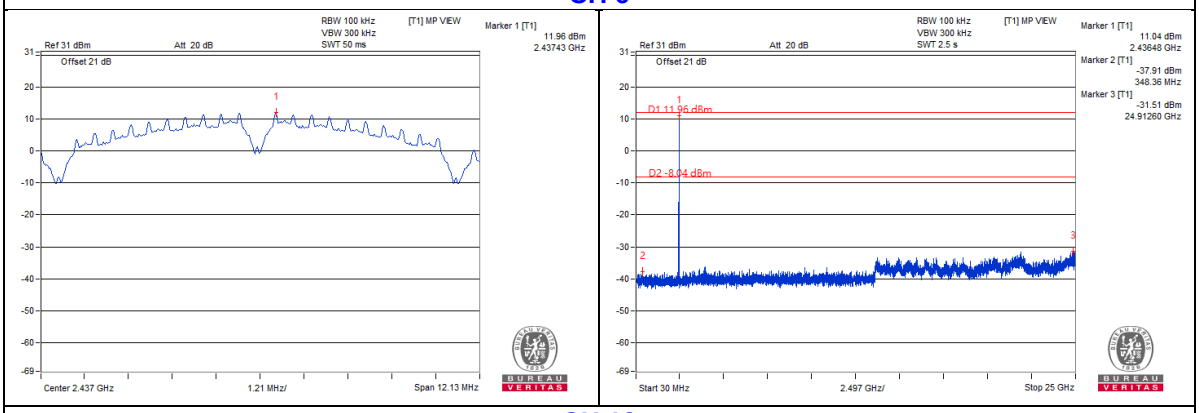
### CH 1



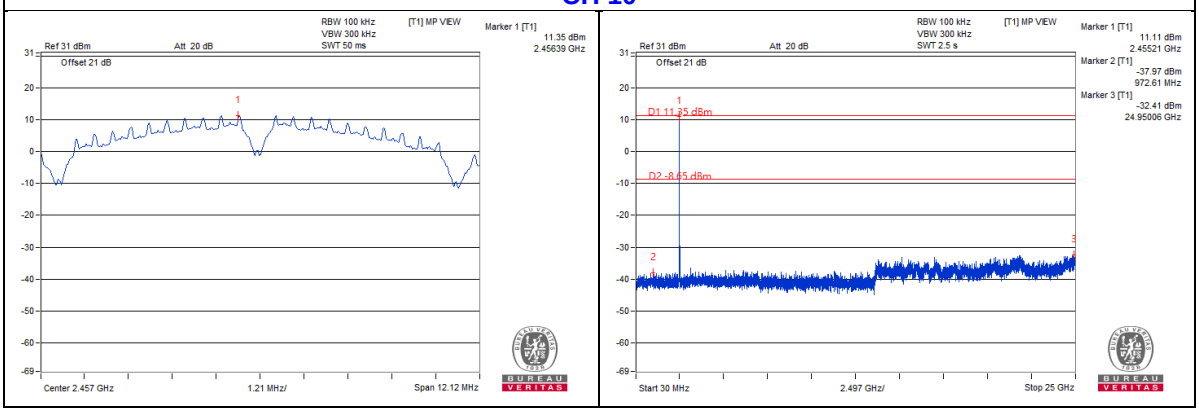

### CH 2



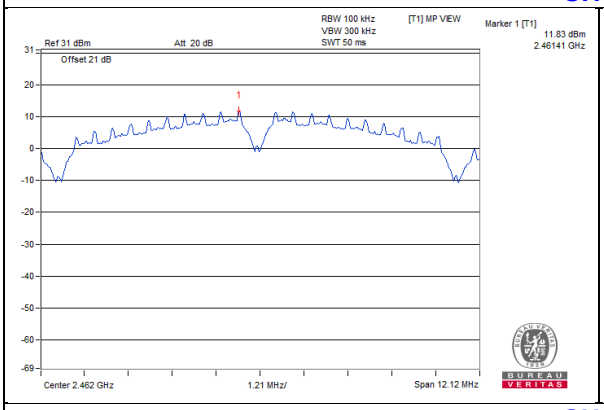

### CH 6

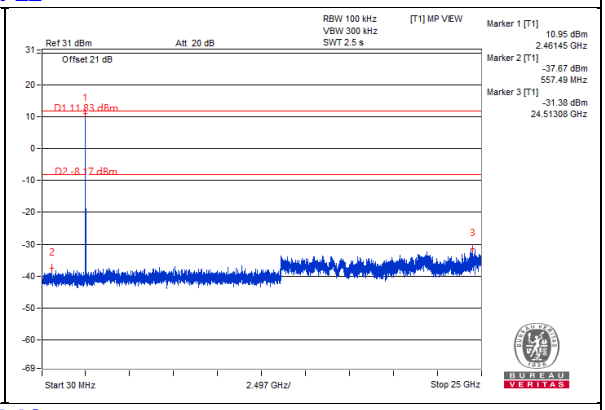



### CH 10

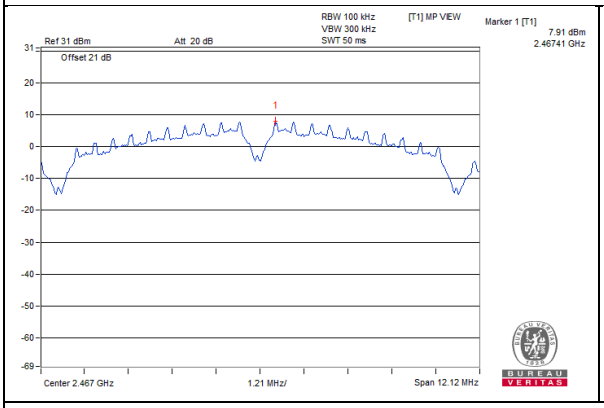


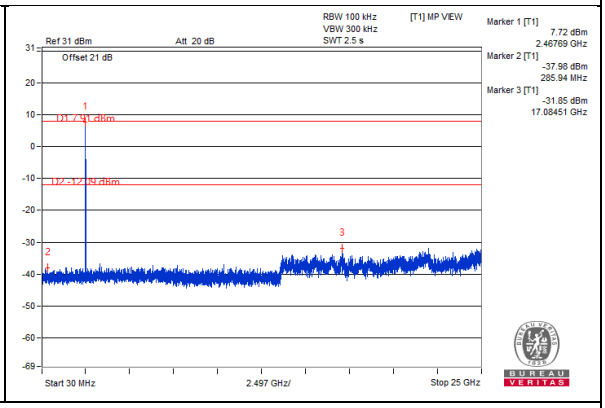
## CH 11



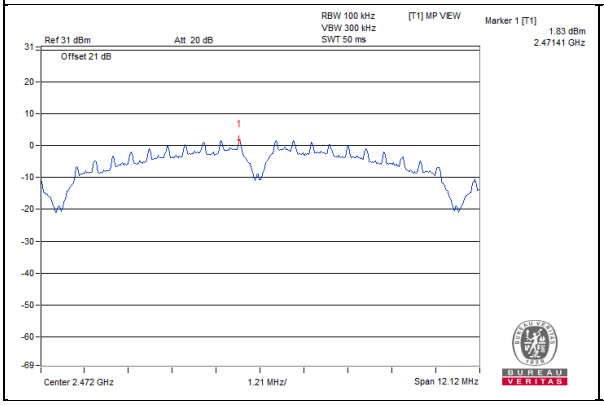



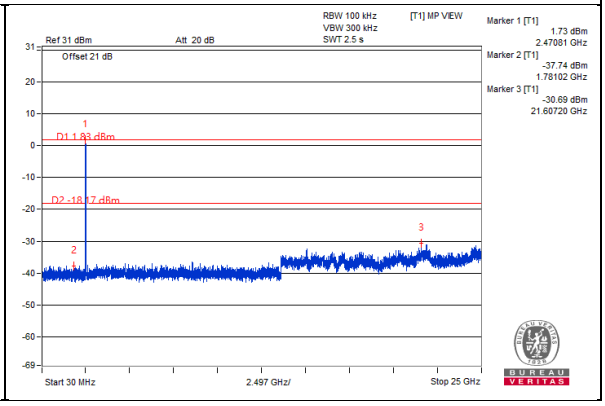

## CH 12



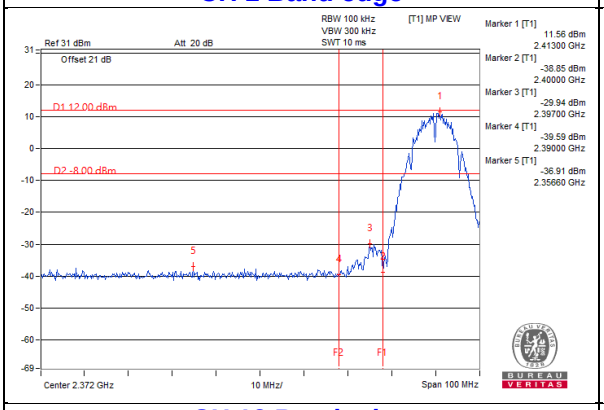




## CH 13

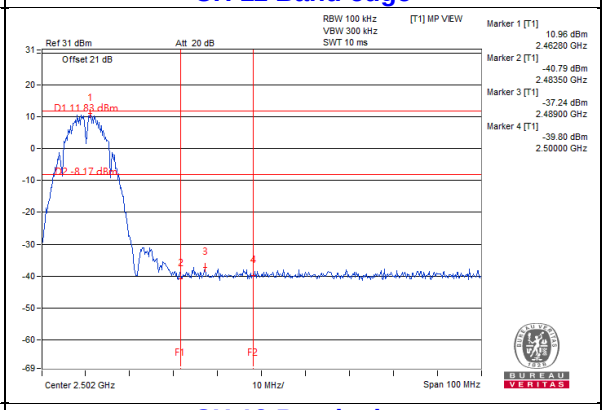


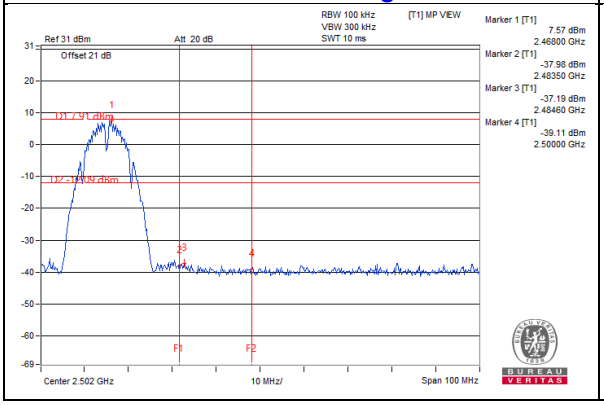
## CH 1 Band edge



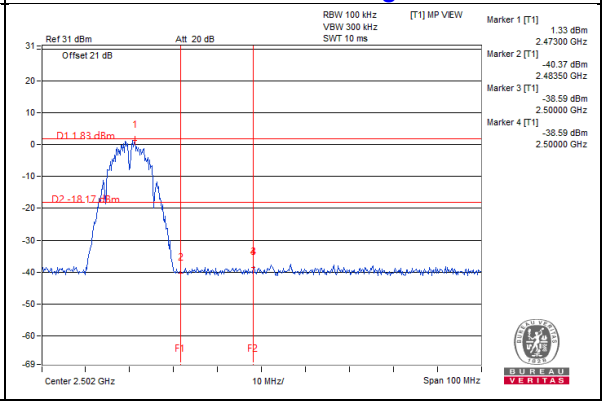

## CH 11 Band edge




## CH 12 Band edge

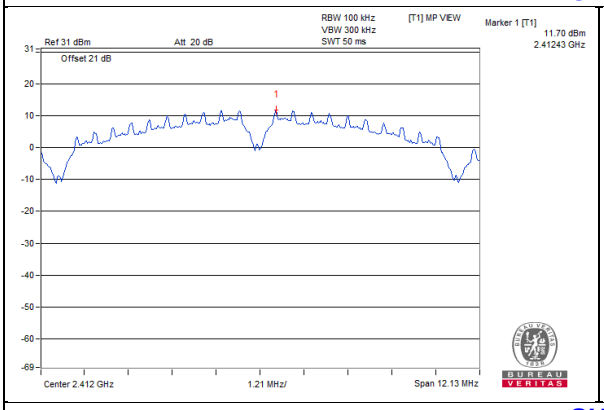


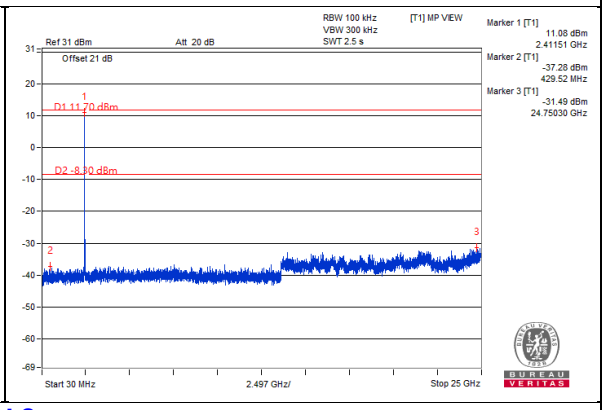

## CH 13 Band edge



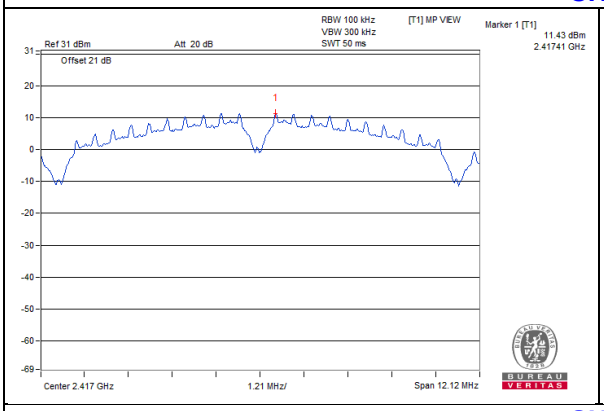
## Chain 1

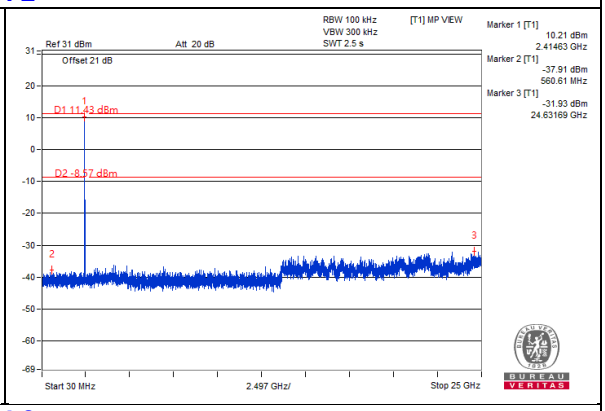
### CH 1



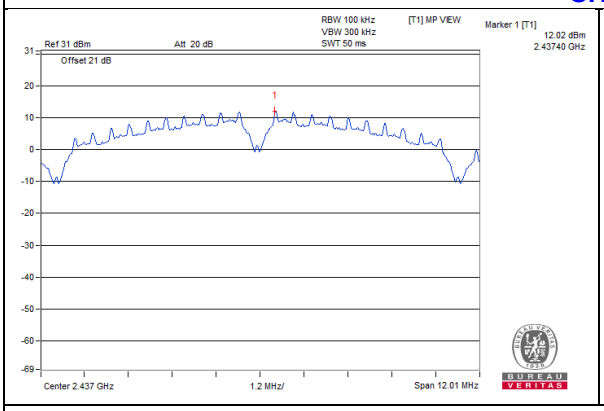



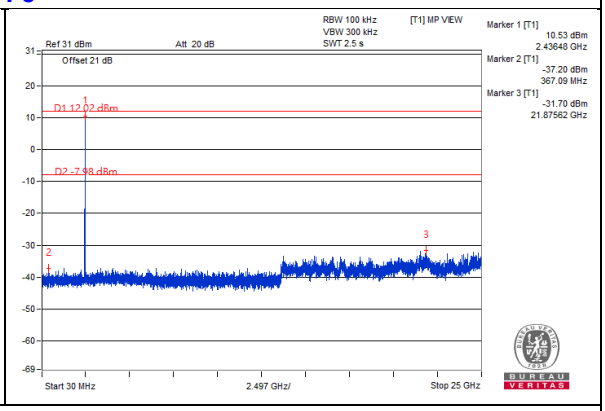

### CH 2



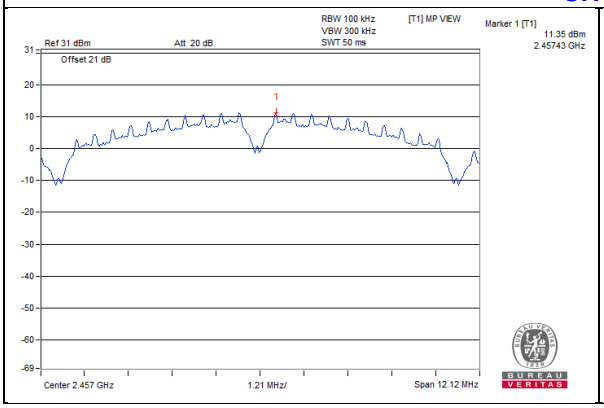



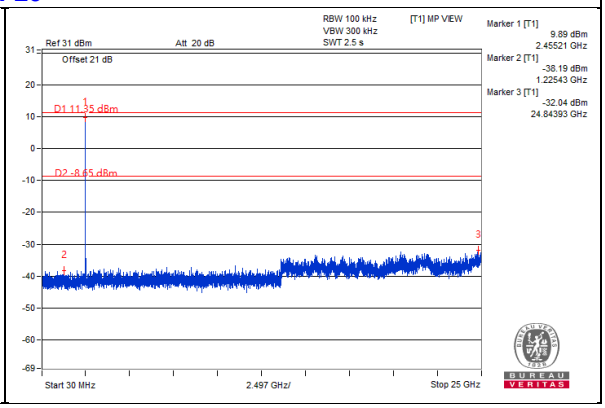

### CH 6



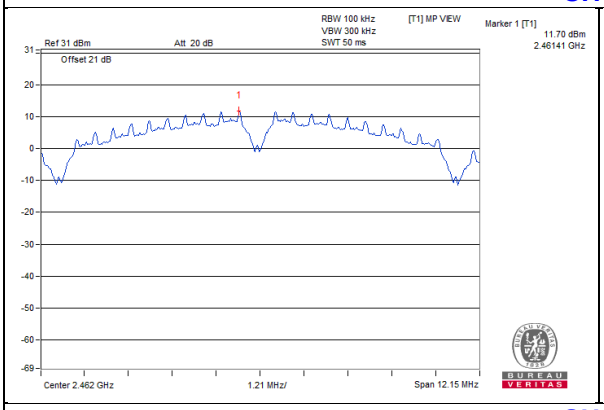



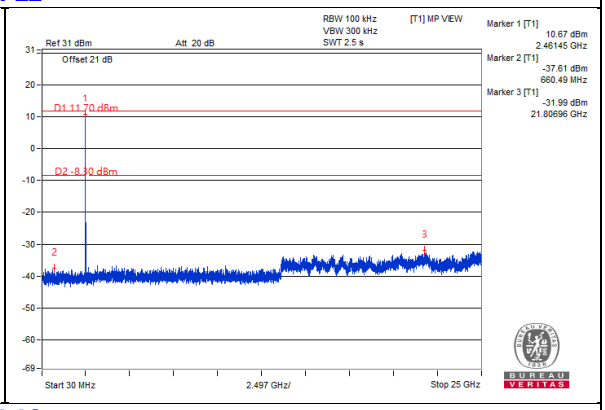

### CH 10



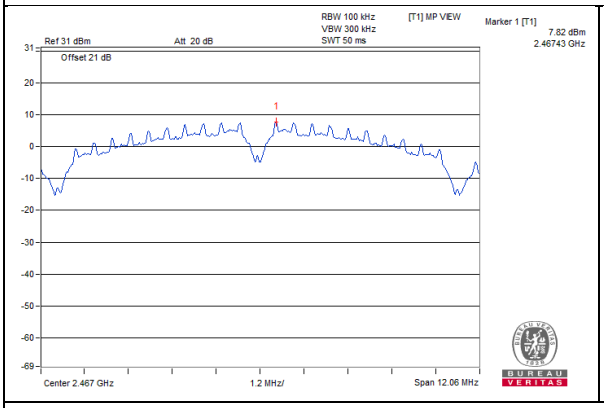



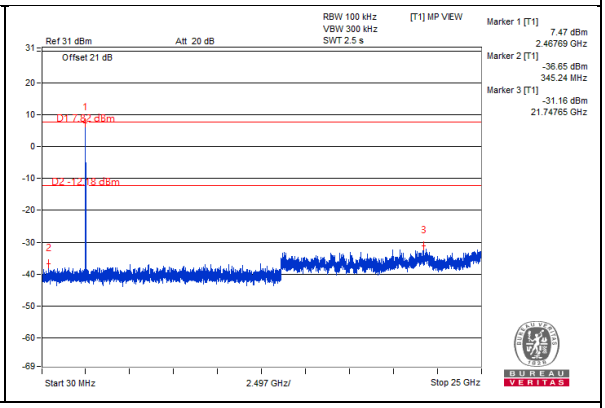
## CH 11



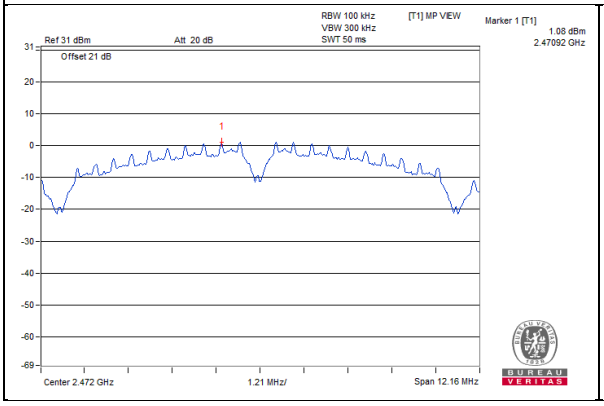



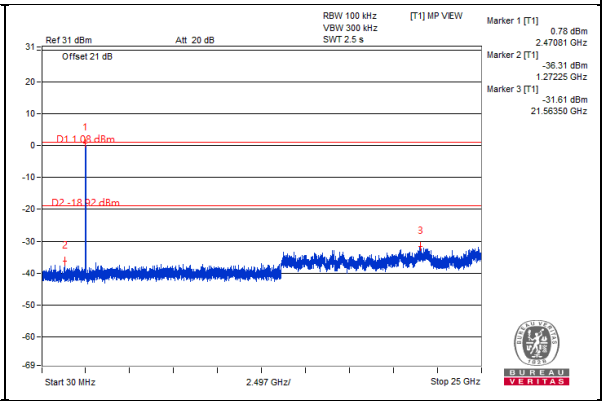

## CH 12



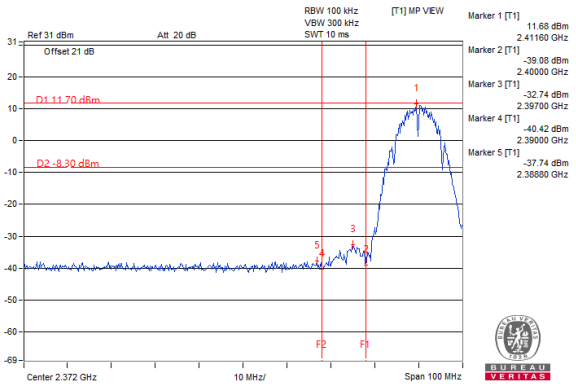




## CH 13

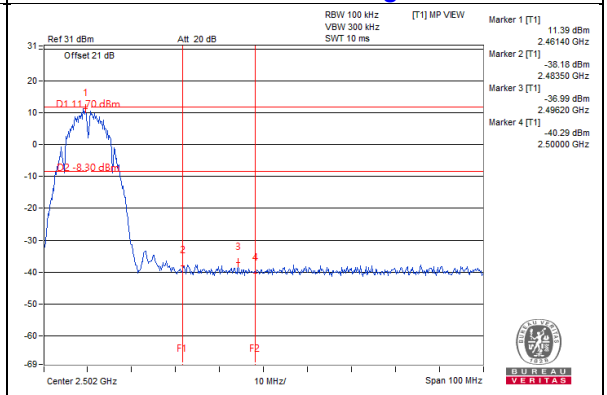


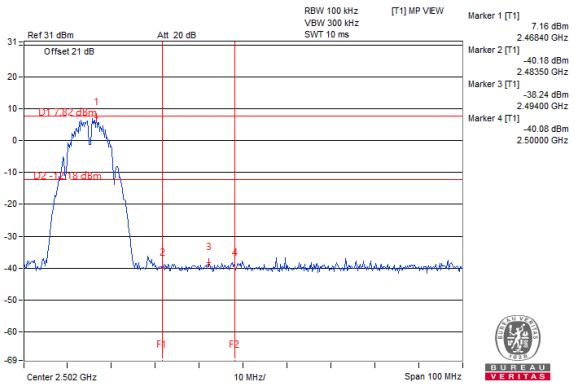
## CH 1 Band edge



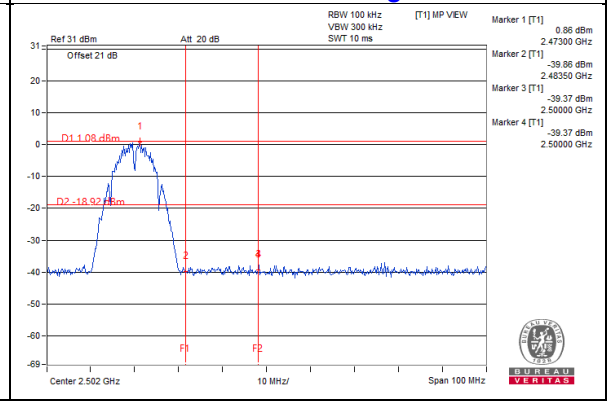

## CH 11 Band edge




## CH 12 Band edge



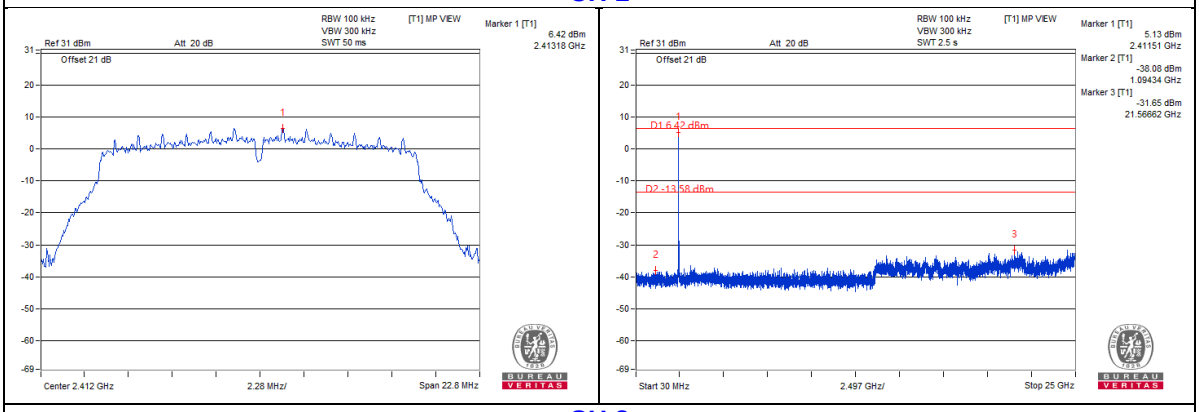

## CH 13 Band edge



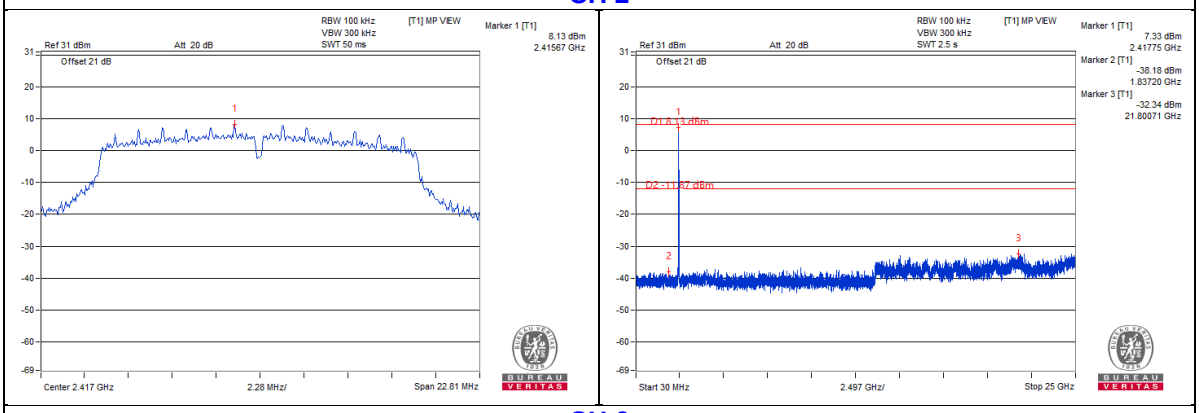
## 802.11g

## Chain 0

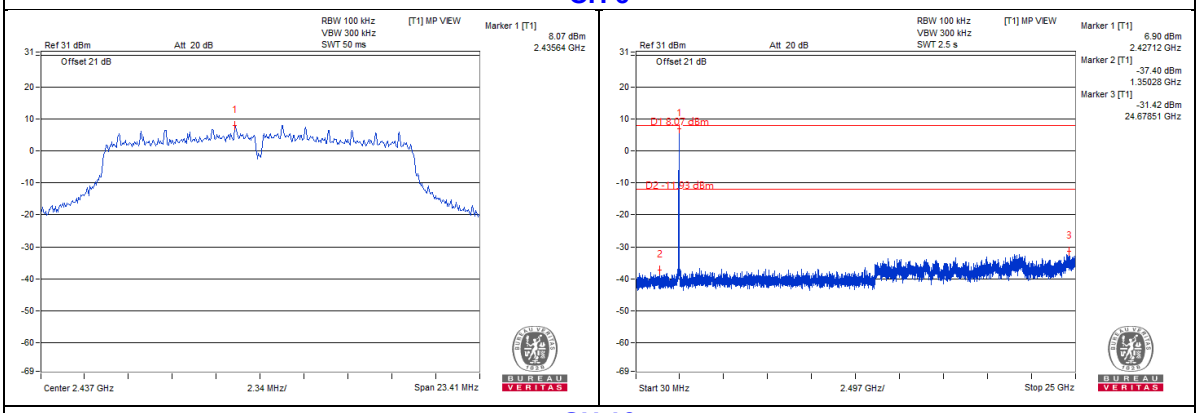
### CH 1



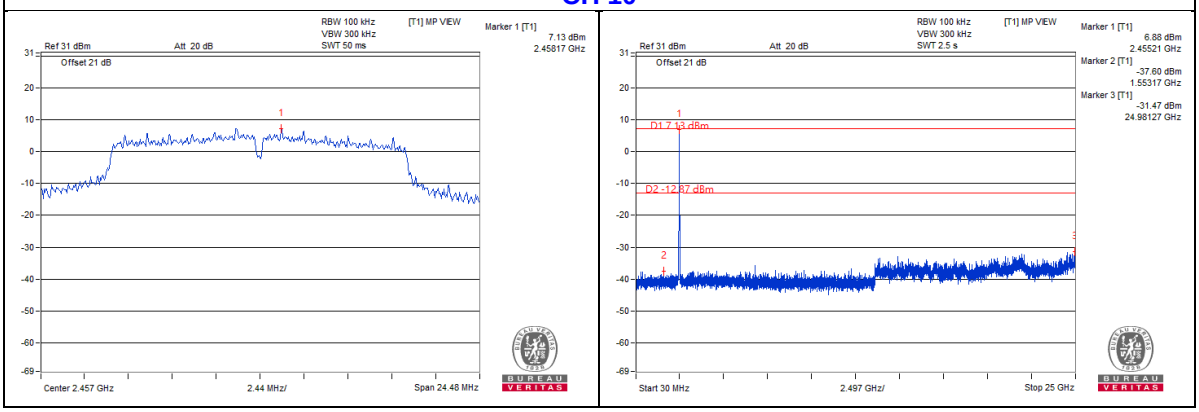

### CH 2



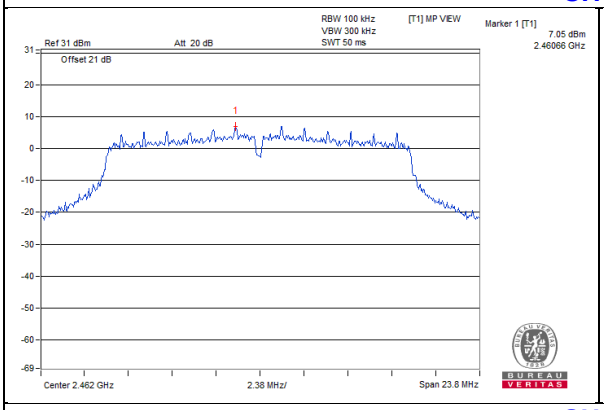

### CH 6

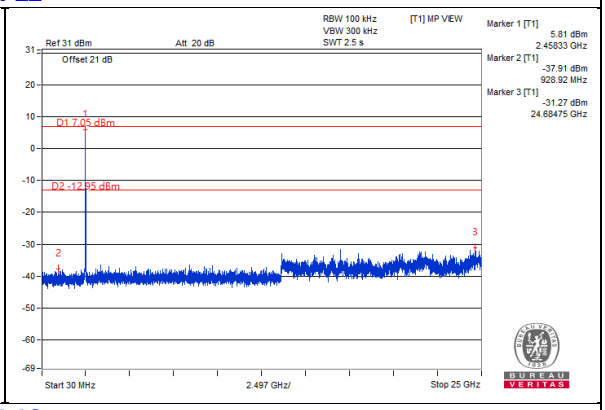



### CH 10

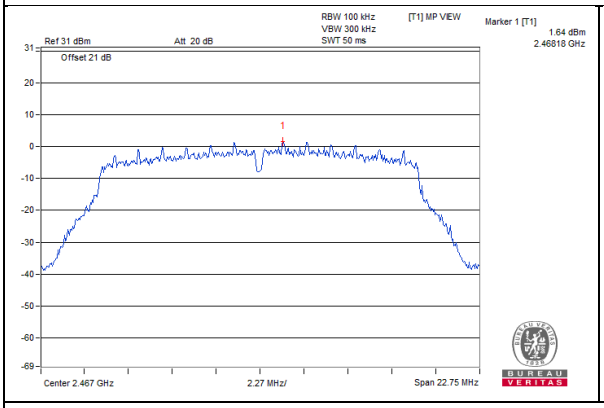


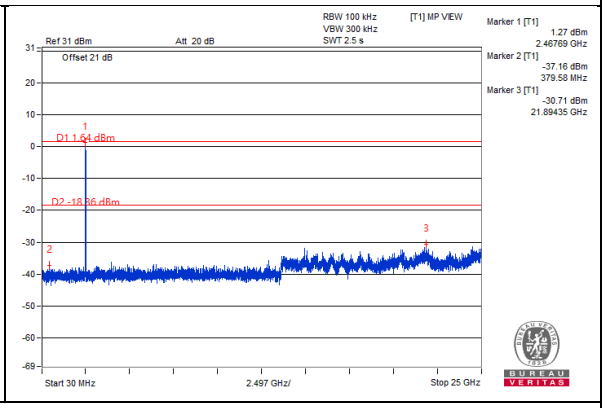
## CH 11



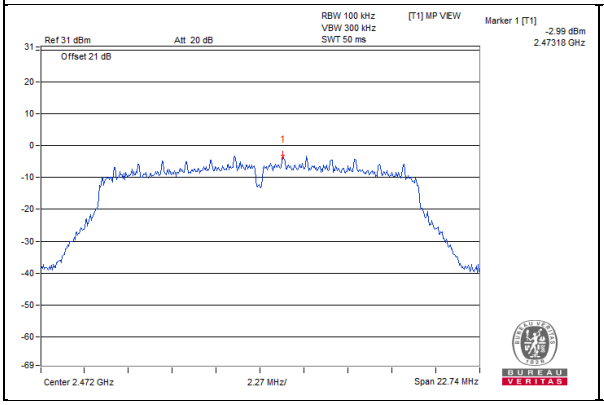



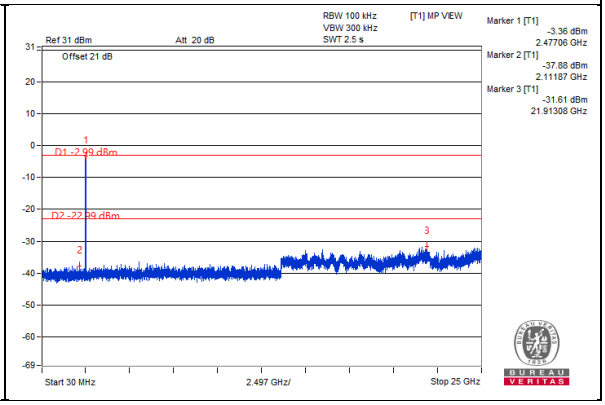

## CH 12



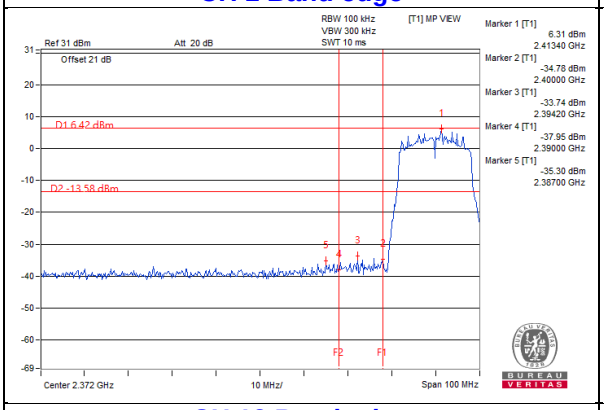




## CH 13

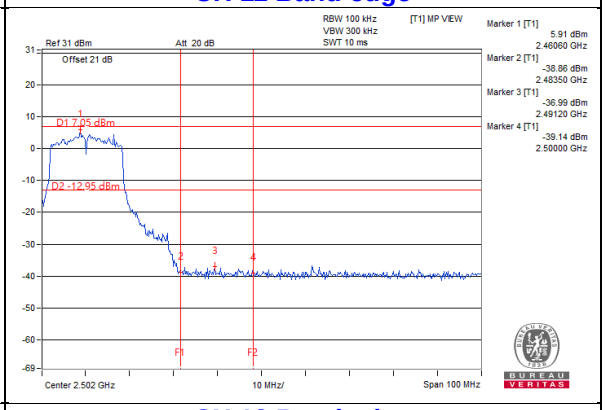


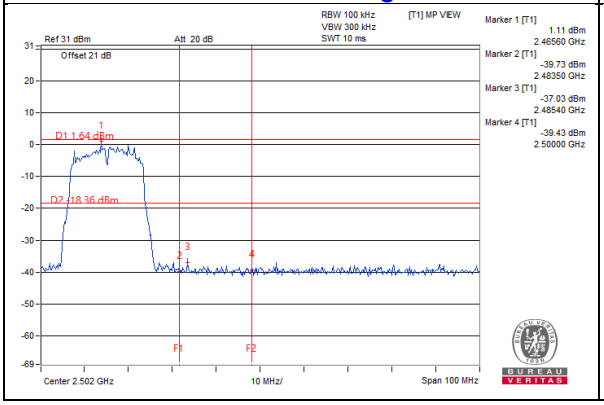
## CH 1 Band edge



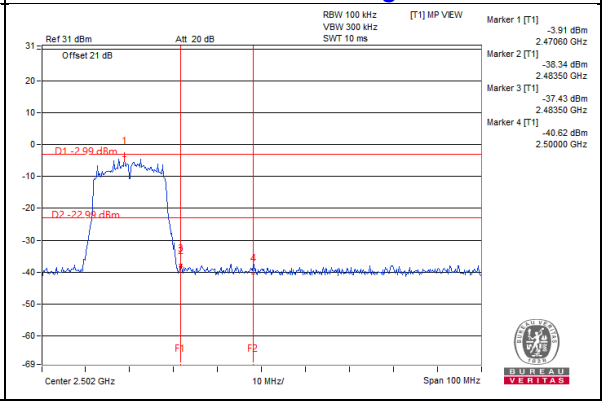

## CH 11 Band edge




## CH 12 Band edge

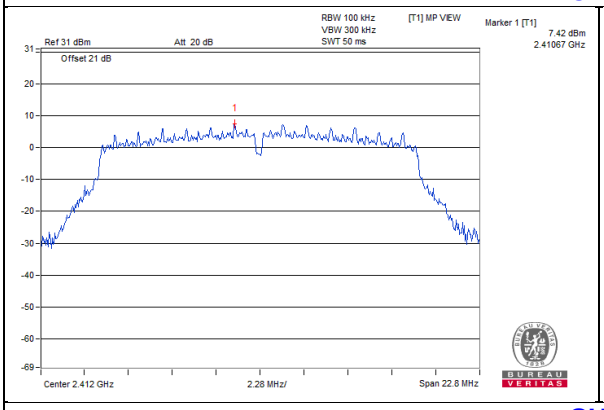


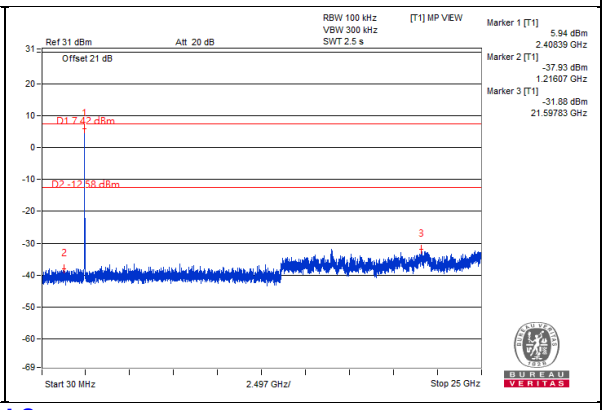

## CH 13 Band edge



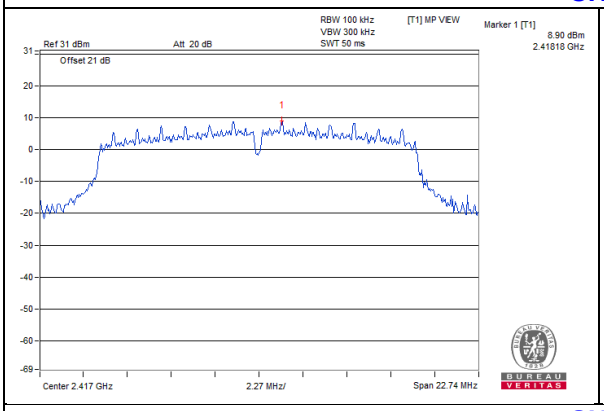
## Chain 1

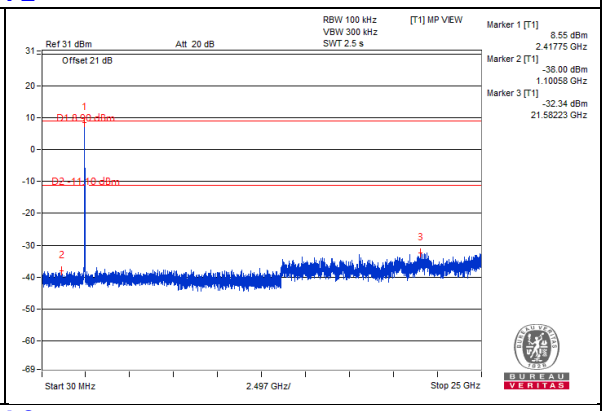
### CH 1



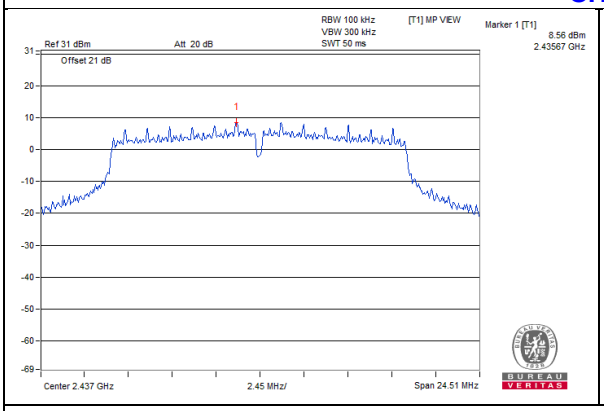



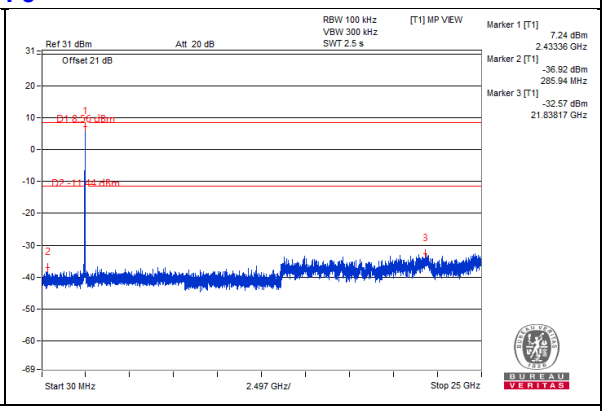

### CH 2



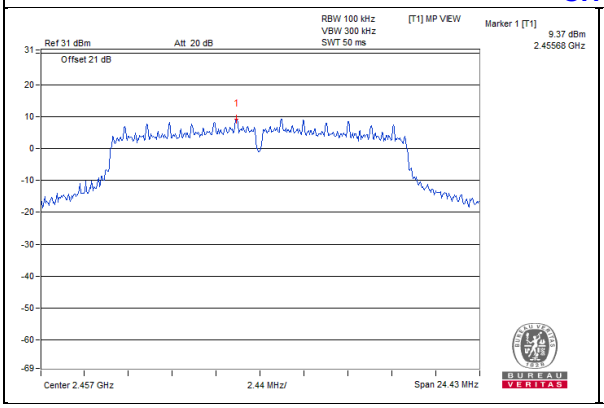



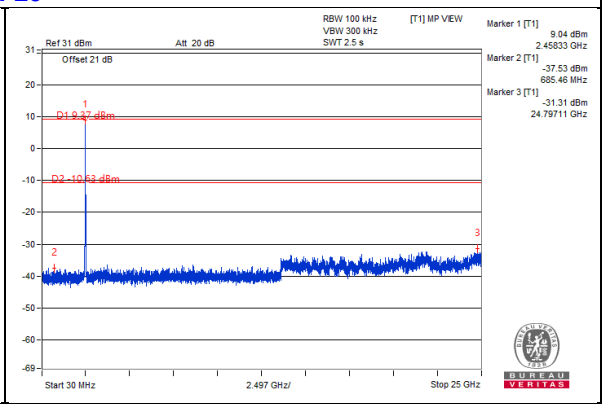

### CH 6



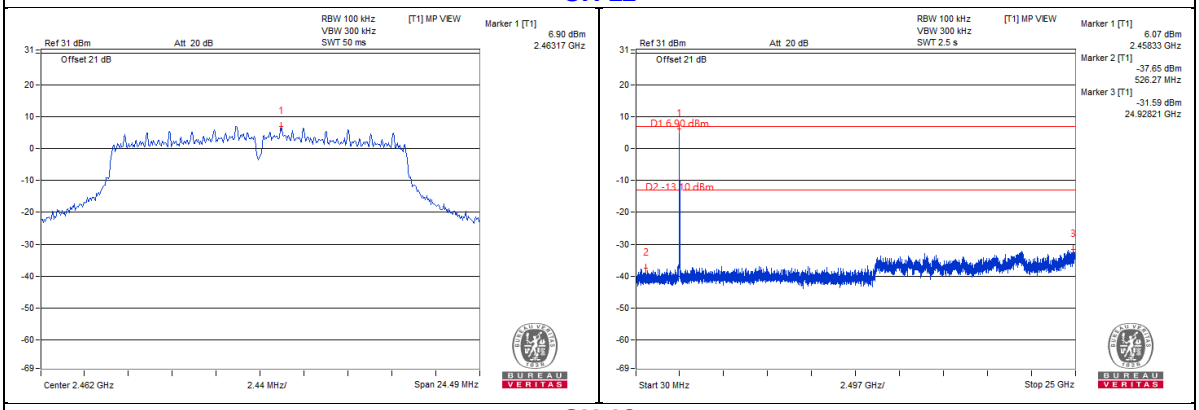




### CH 10

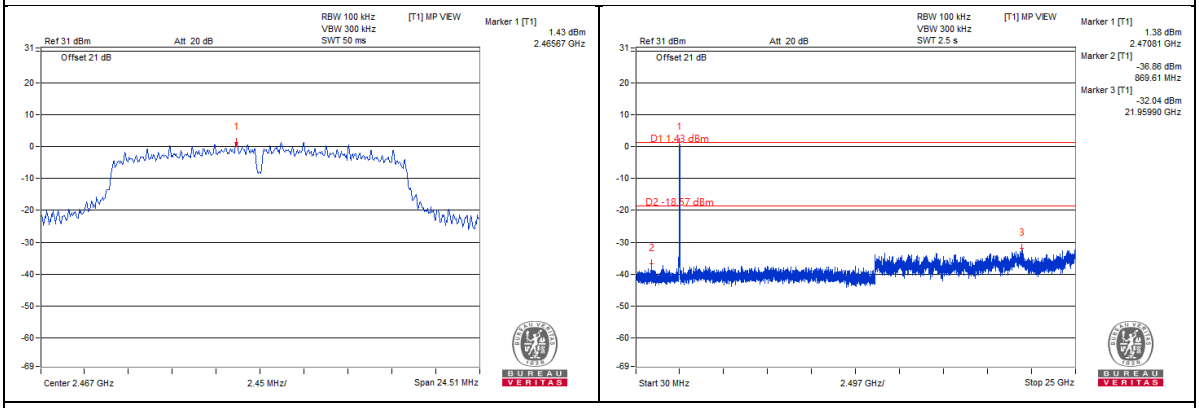


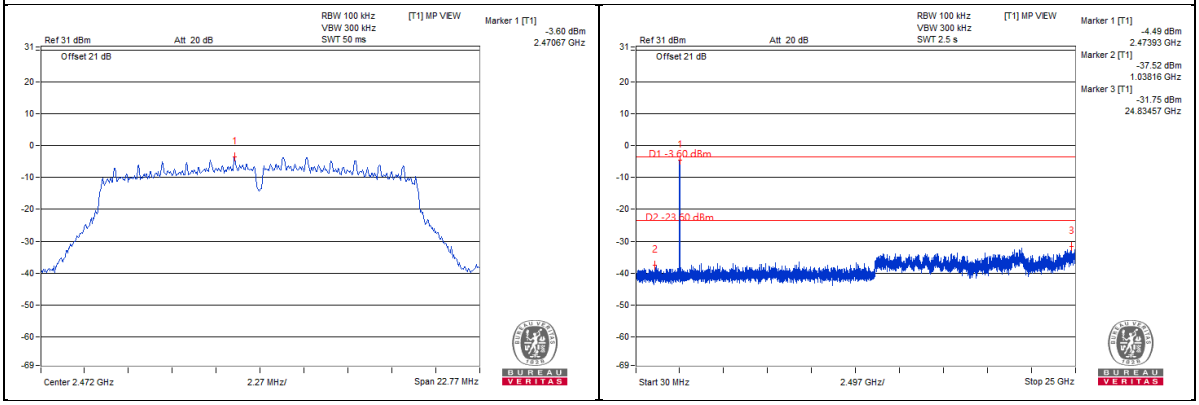
## CH 11



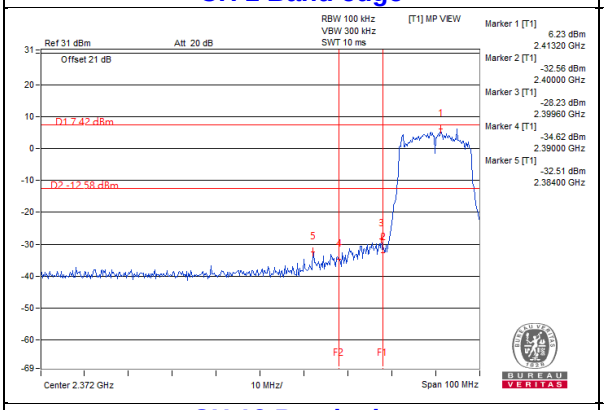

## CH 12



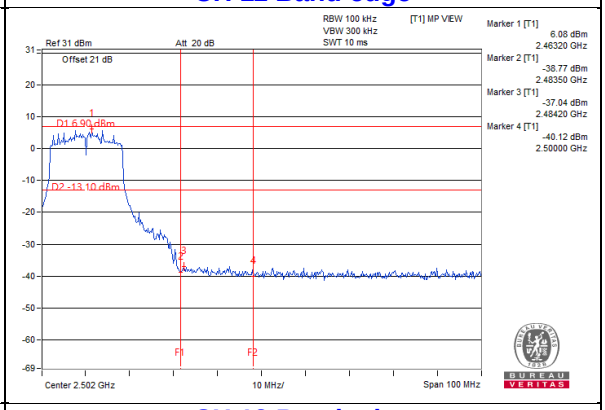

## CH 13



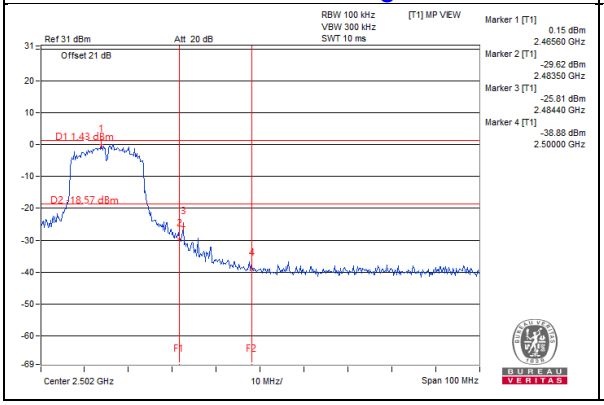
## CH 1 Band edge



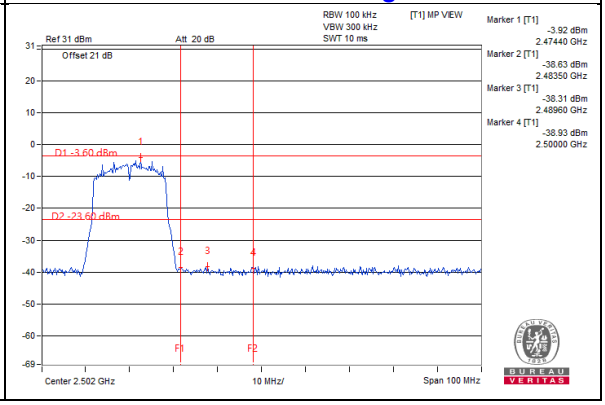

## CH 11 Band edge




## CH 12 Band edge



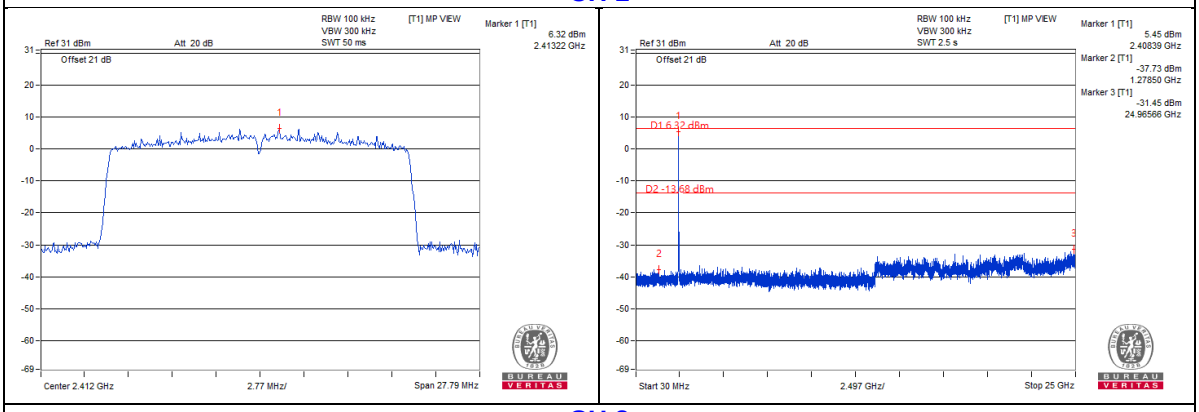

## CH 13 Band edge



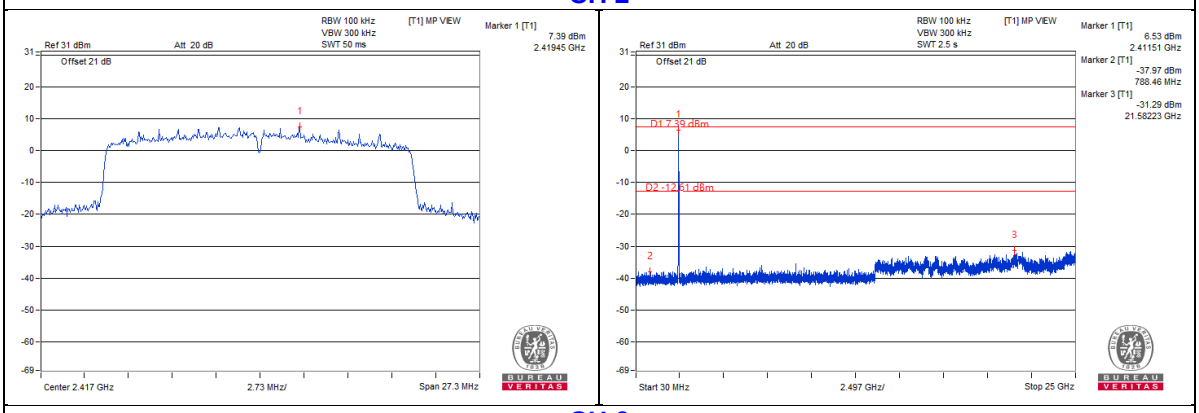
## 802.11ax (HE20)

## Chain 0

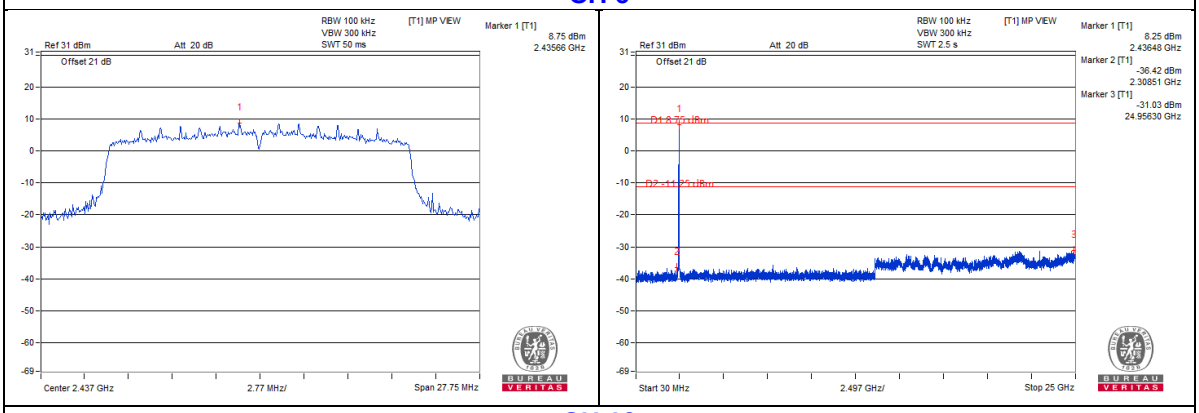
### CH 1



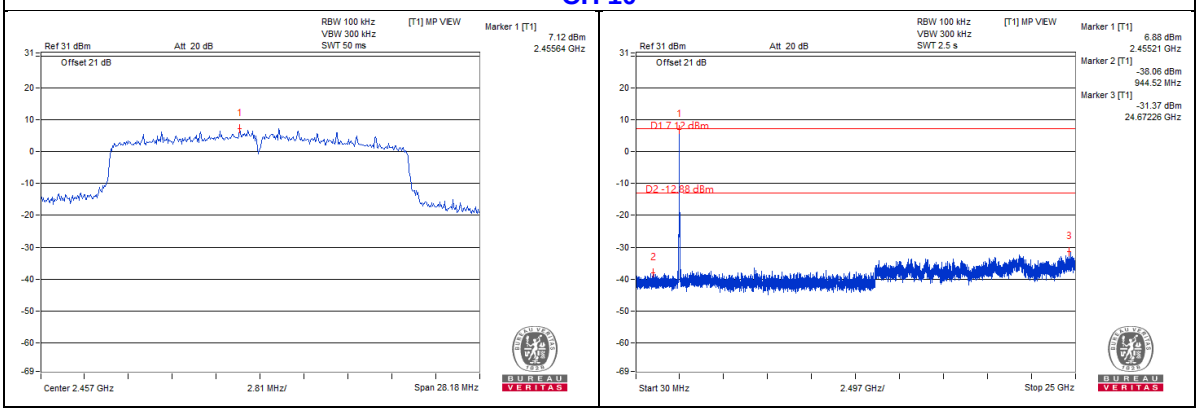

### CH 2



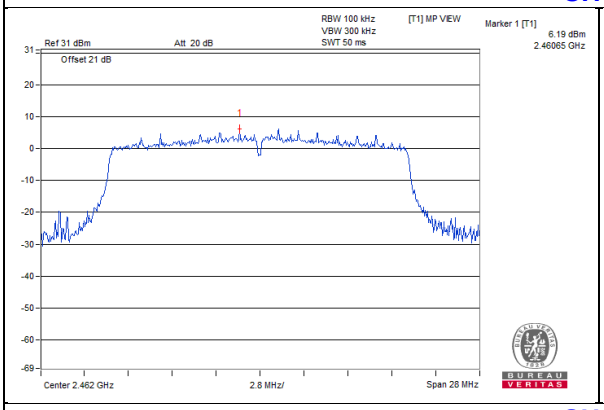

### CH 6

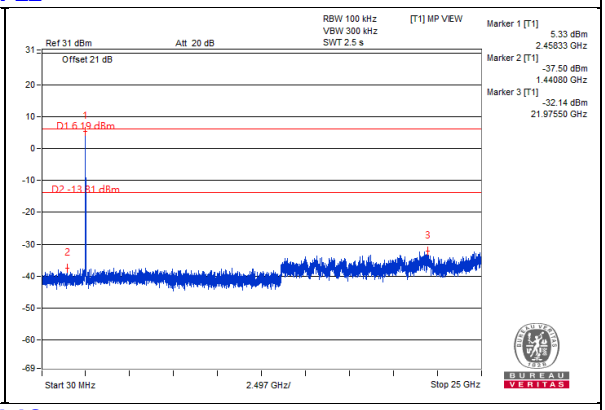



### CH 10

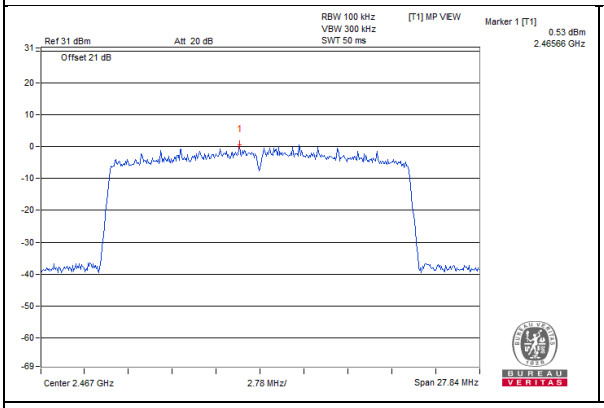


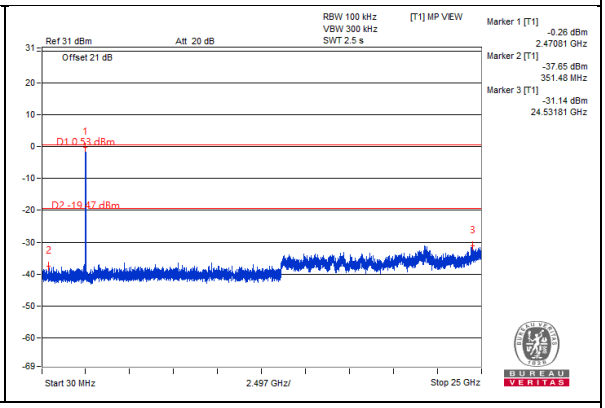
## CH 11



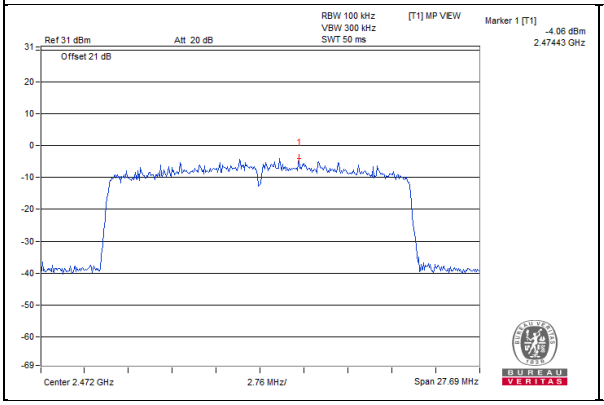



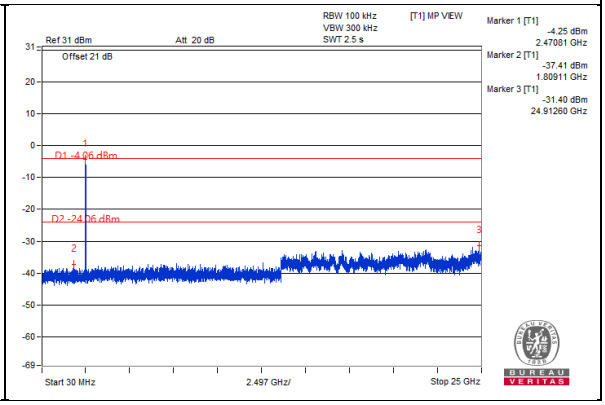

## CH 12



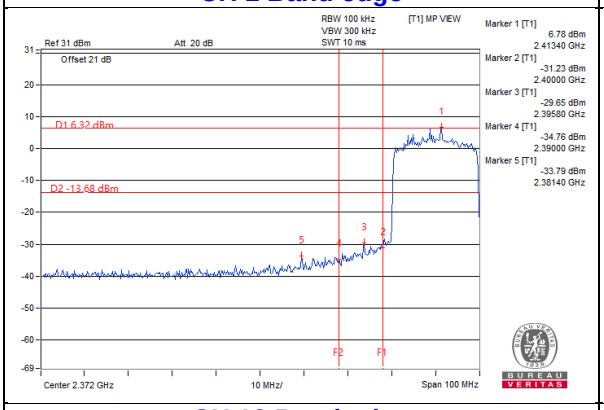




## CH 13

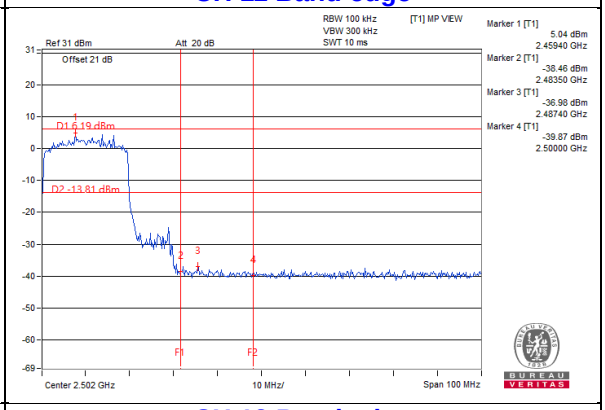


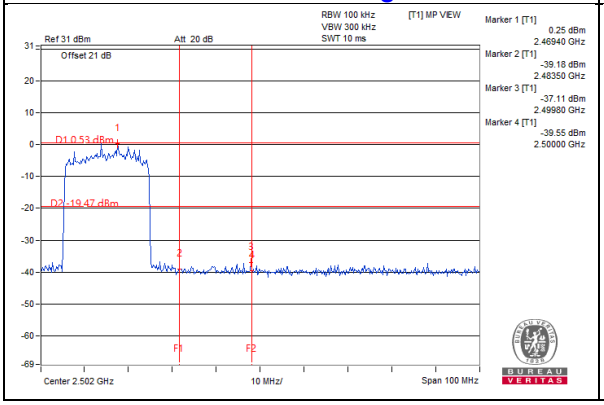
## CH 1 Band edge



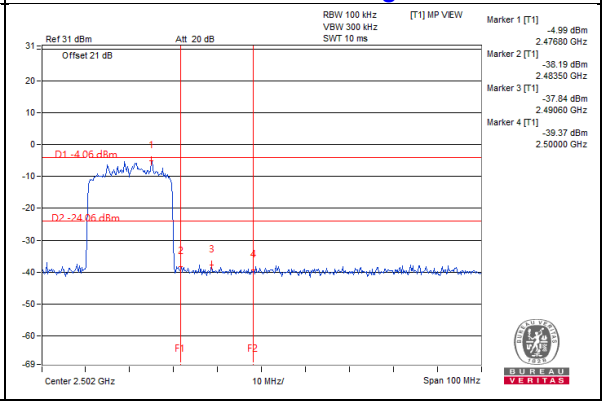

## CH 11 Band edge




## CH 12 Band edge

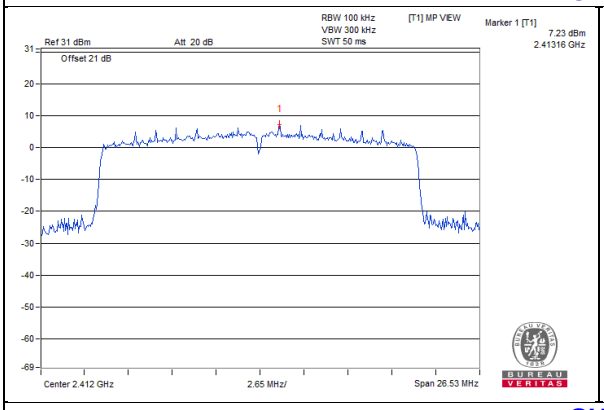


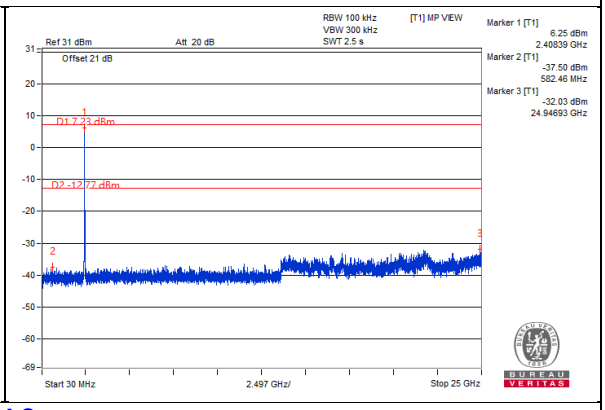

## CH 13 Band edge



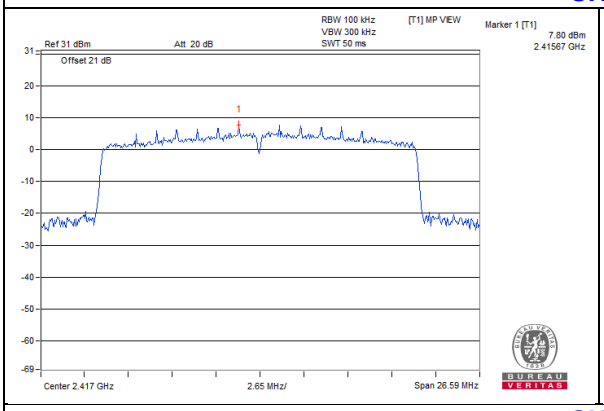
## Chain 1

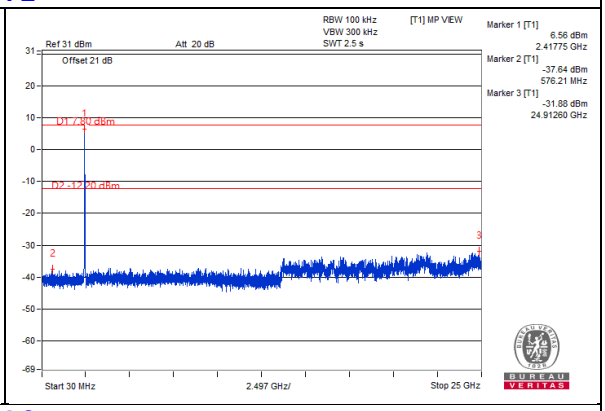
### CH 1



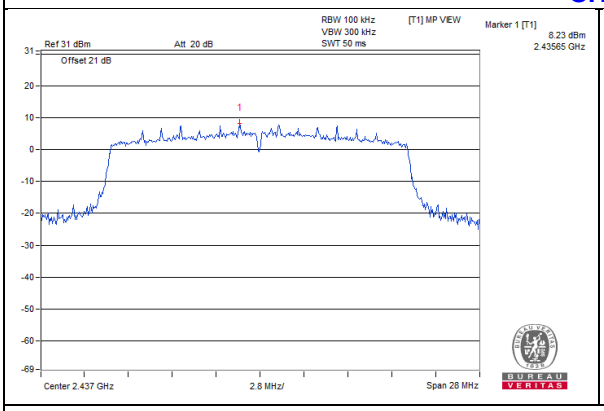



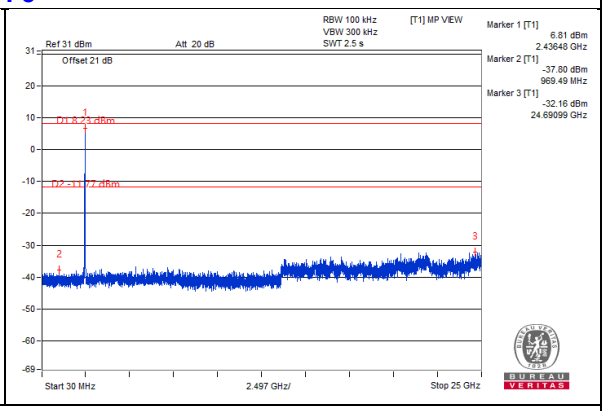

### CH 2



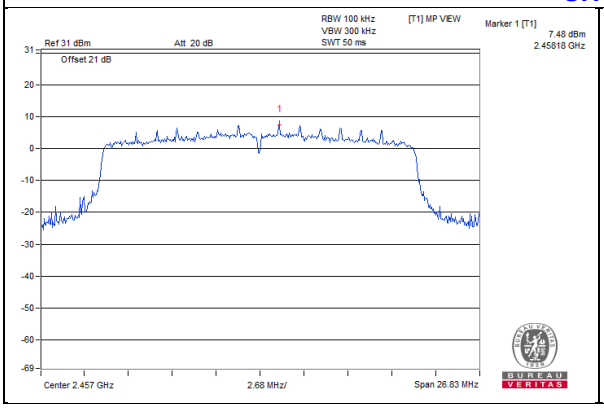



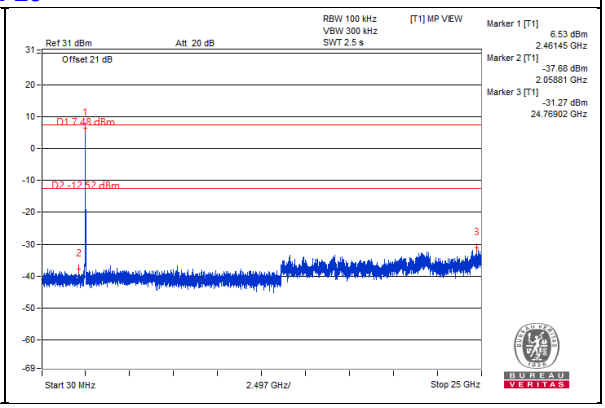

### CH 6



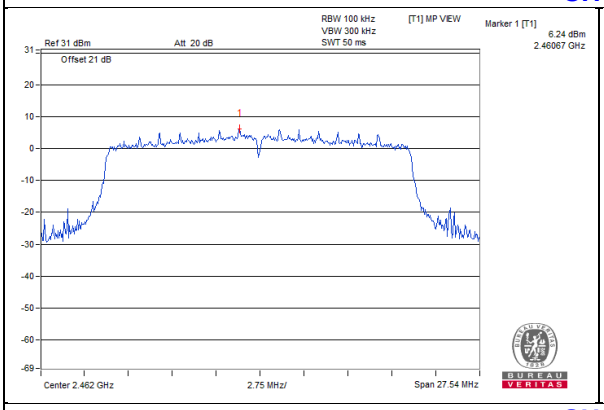



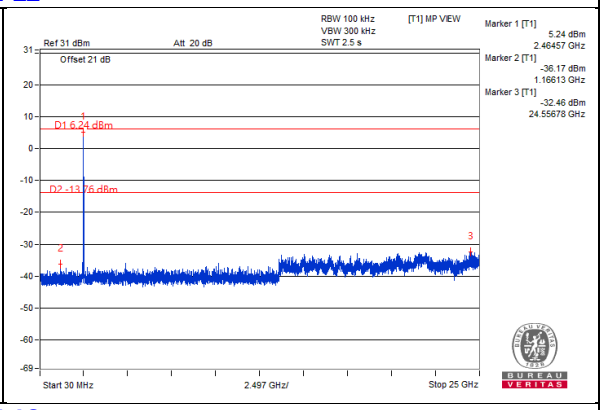

### CH 10



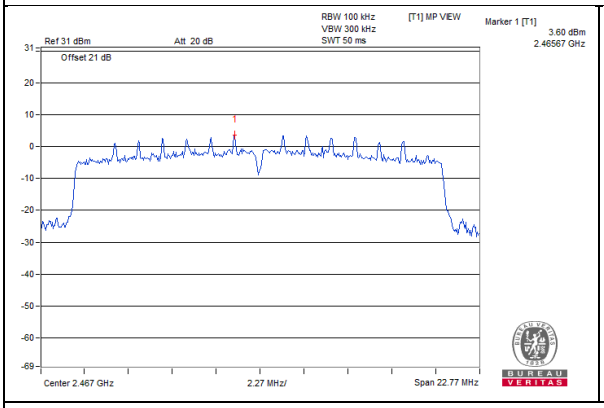



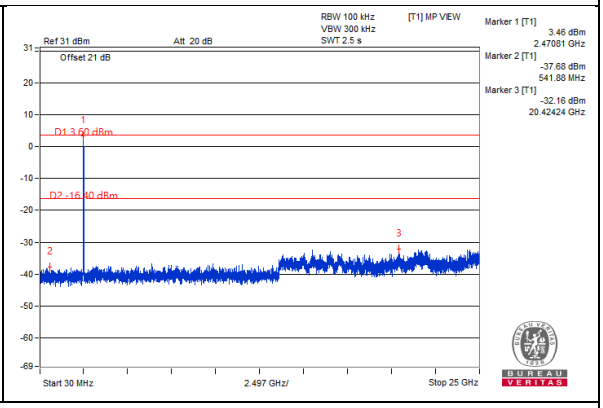
## CH 11



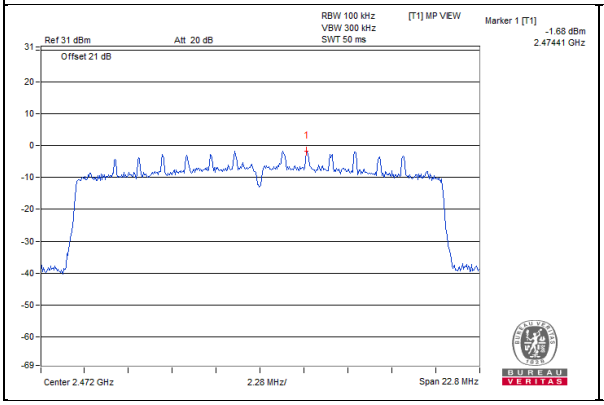



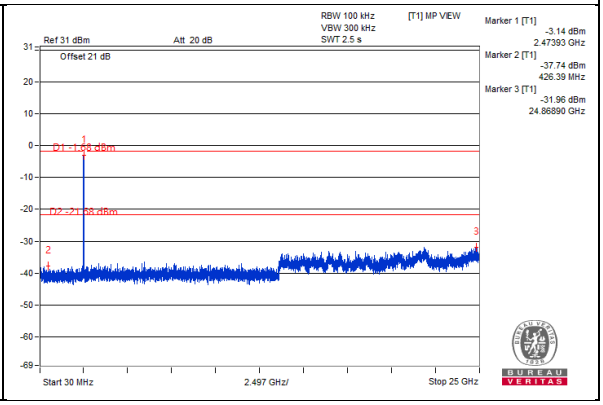

## CH 12



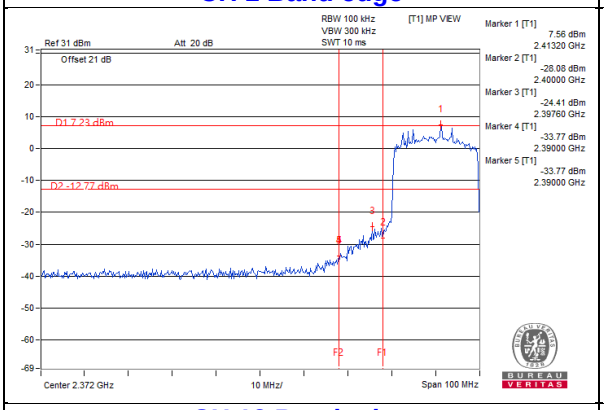




## CH 13

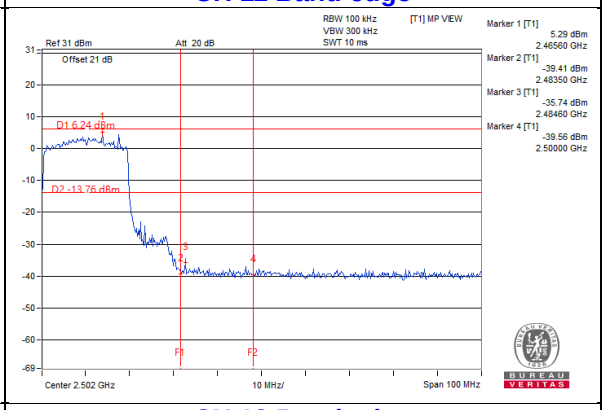


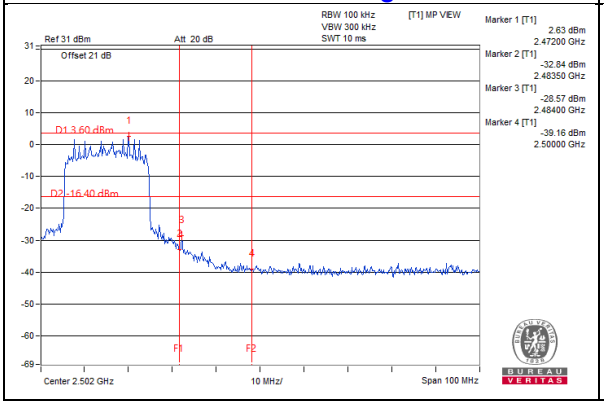
## CH 1 Band edge



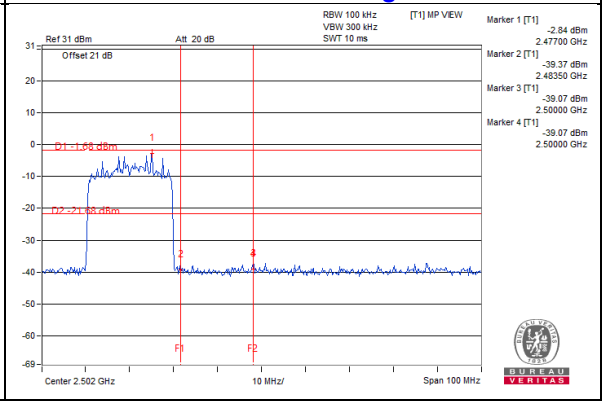

## CH 11 Band edge




## CH 12 Band edge



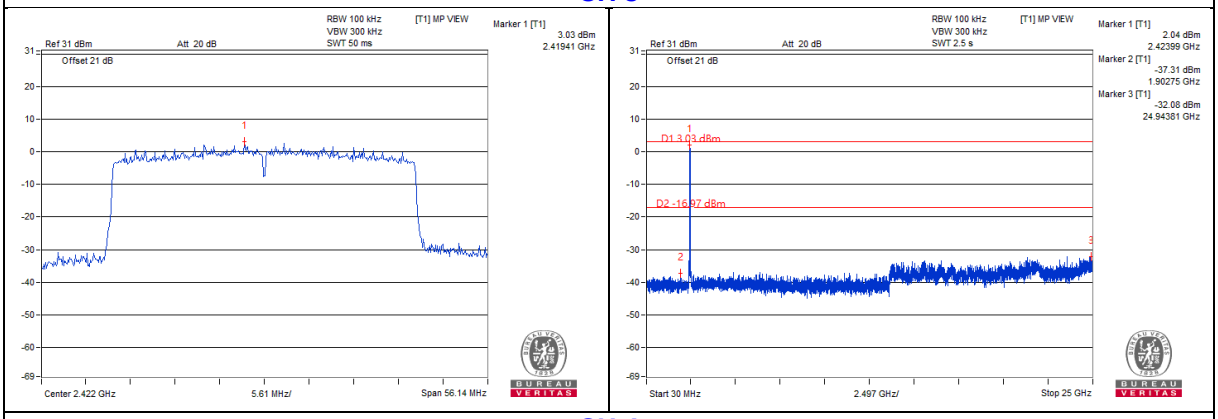

## CH 13 Band edge



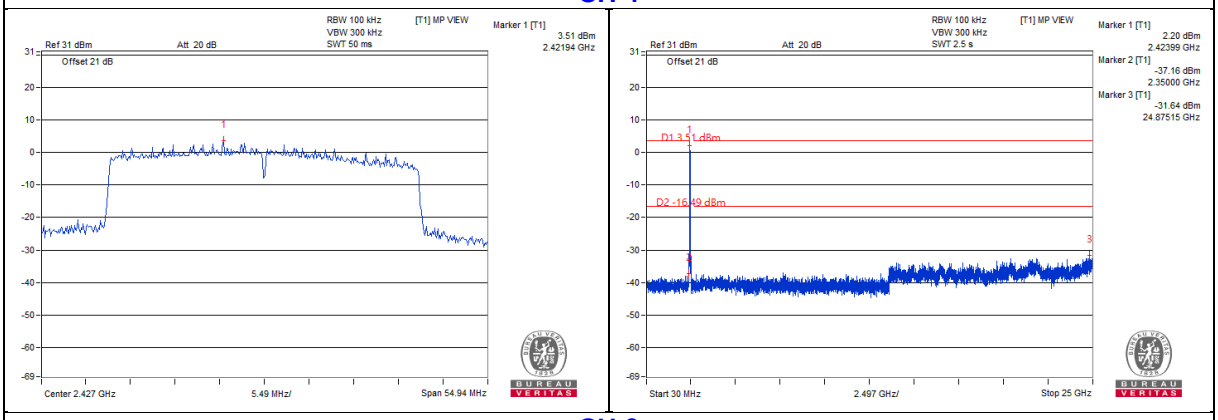
## 802.11ax (HE40)

## Chain 0

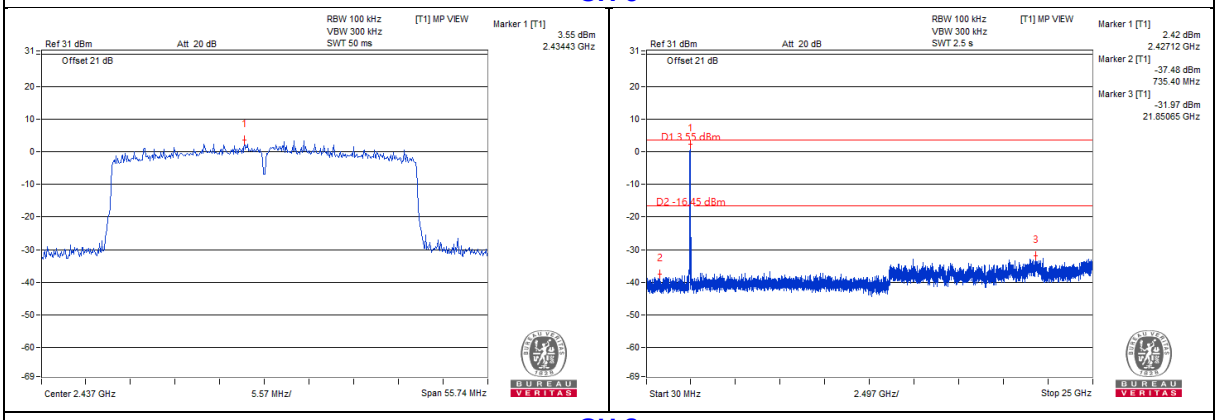
### CH 3



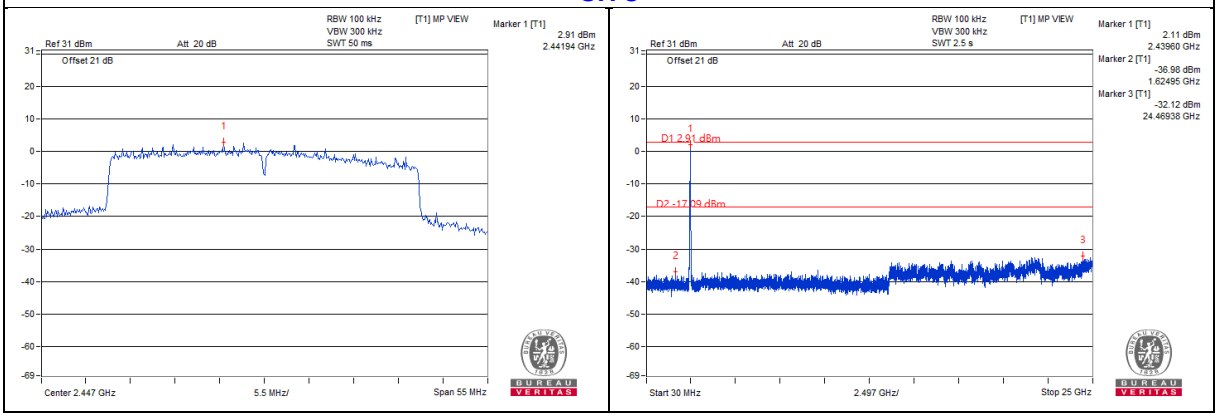

### CH 4



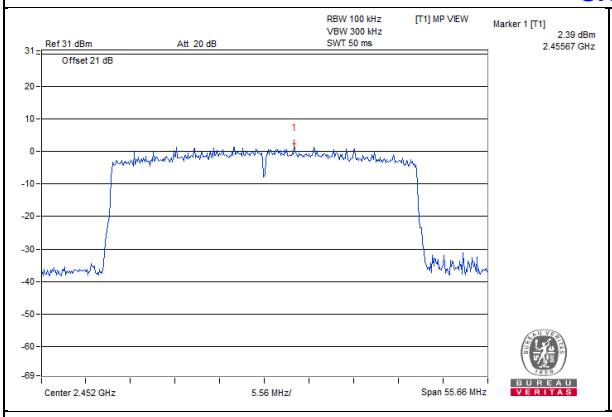

### CH 6

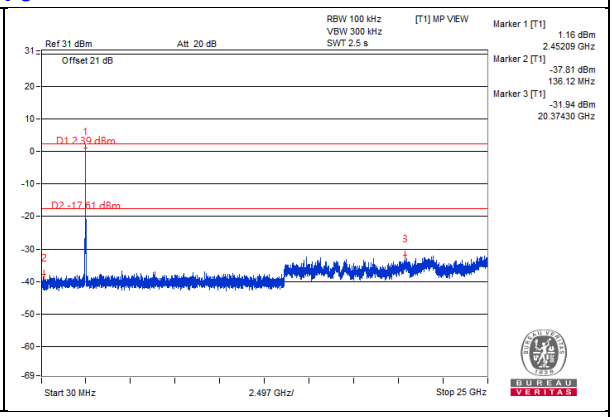



### CH 8

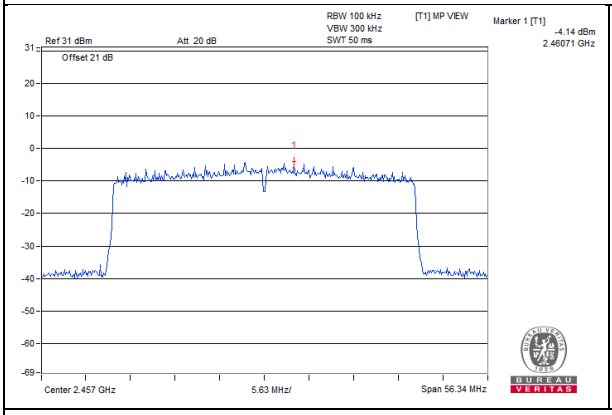


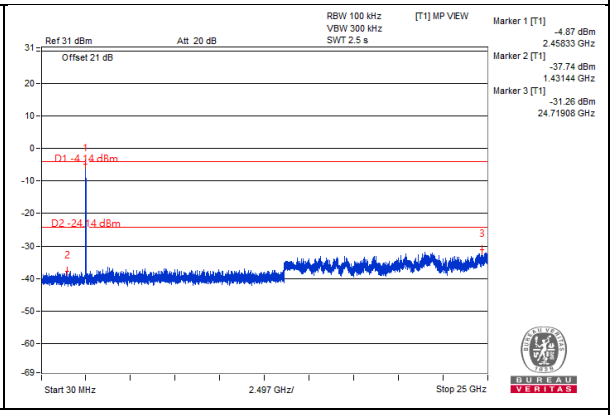
## CH 9



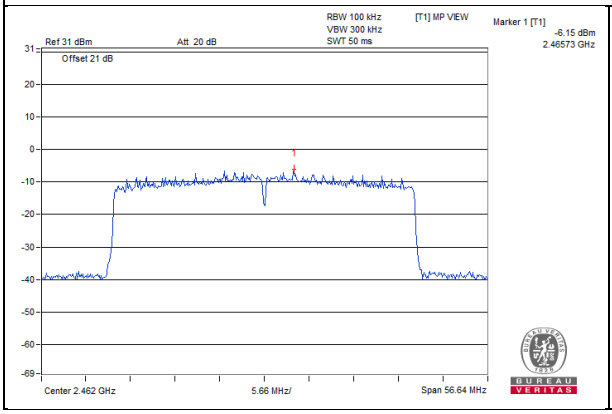



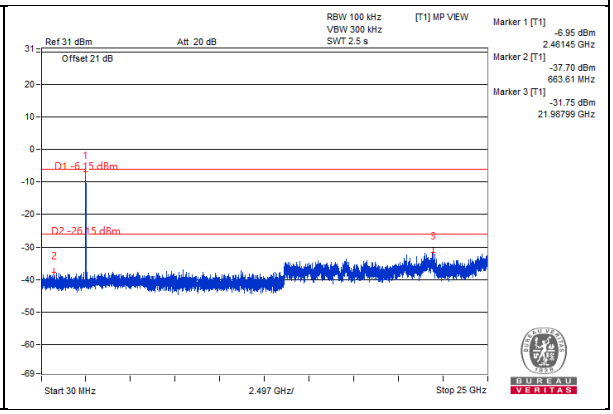

## CH10



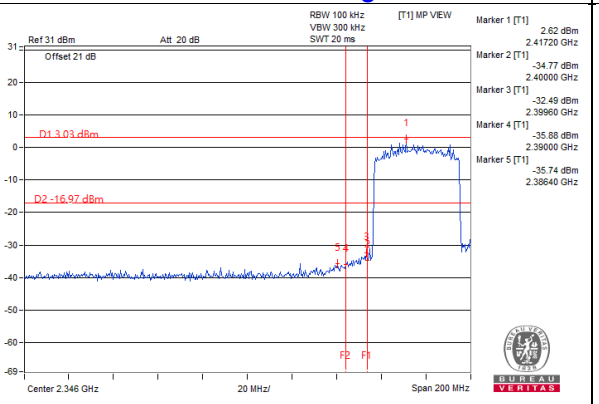




## CH 11

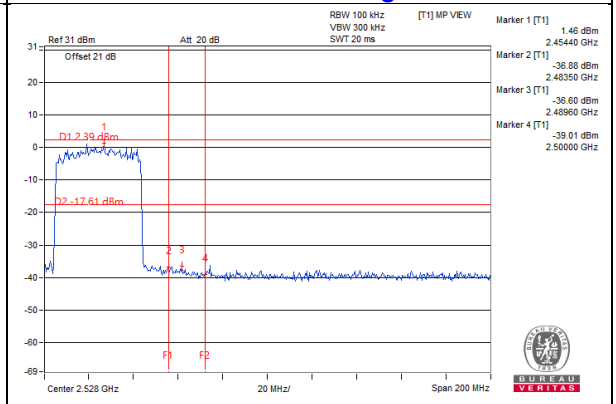


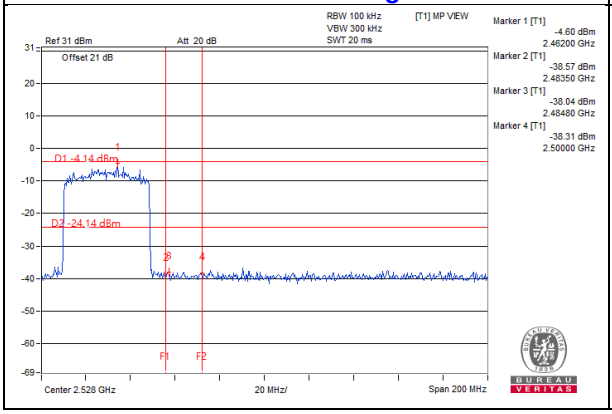
## CH 3 Band edge



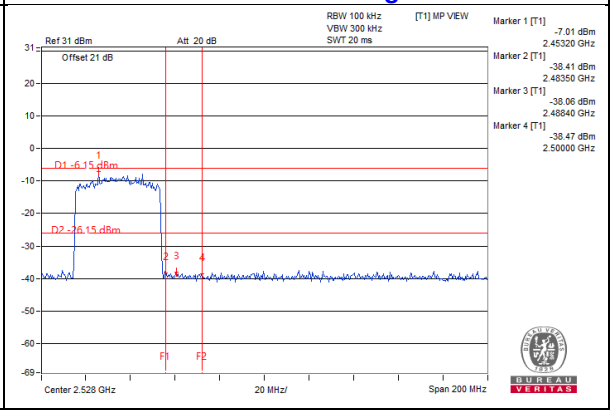

## CH 9 Band edge




## CH 10 Band edge

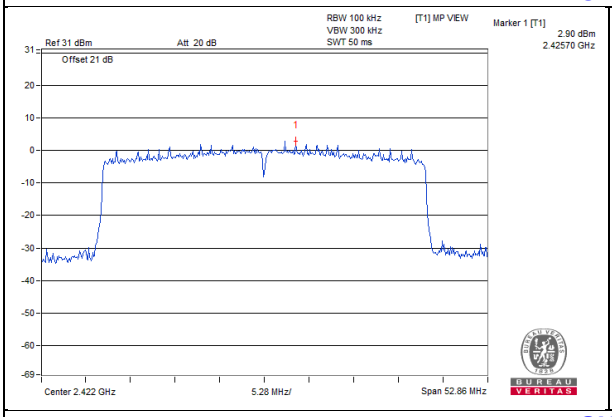


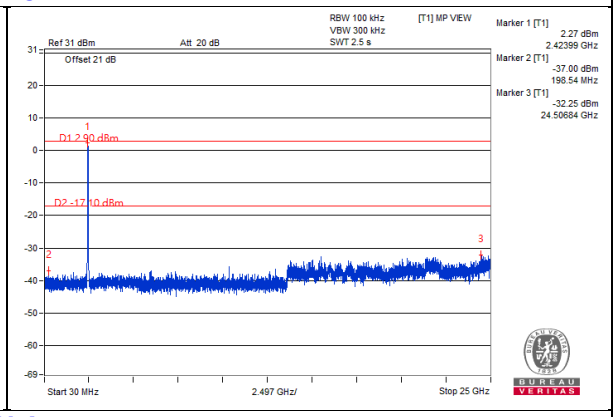

## CH 11 Band edge



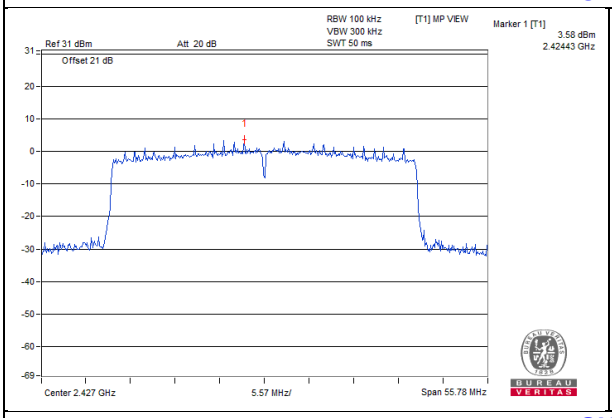
## Chain 1

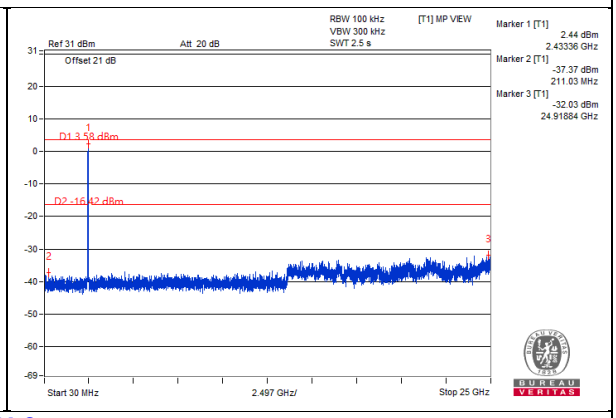
### CH 3



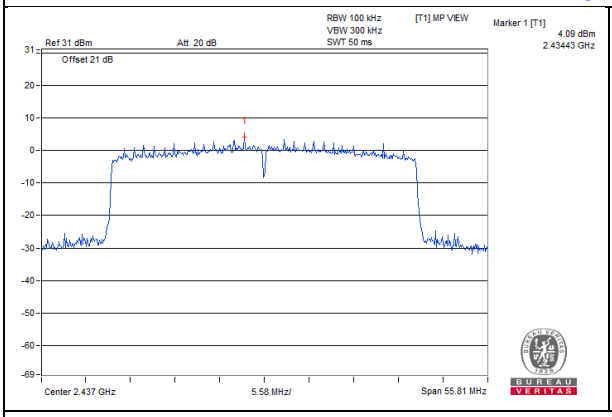



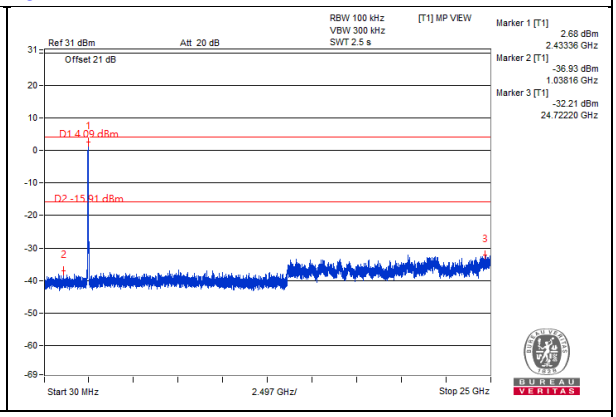

### CH 4



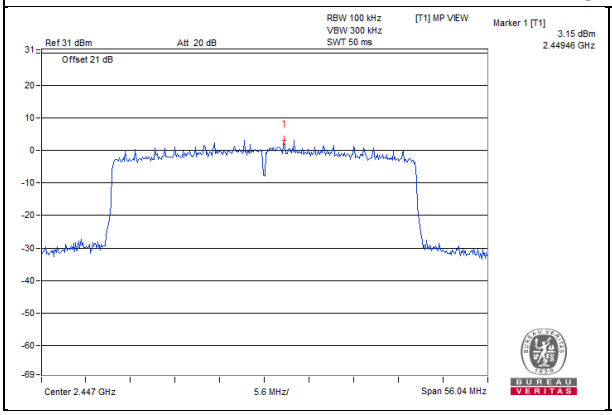



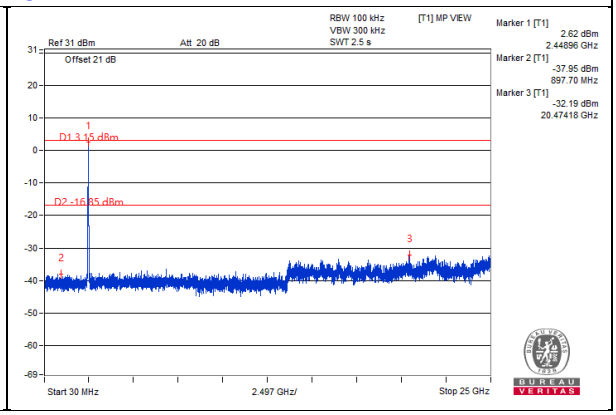

### CH 6



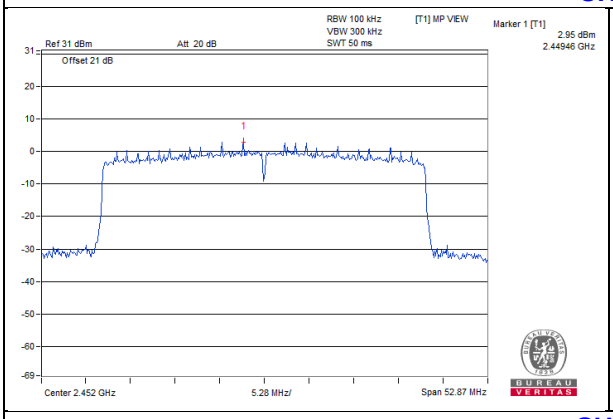



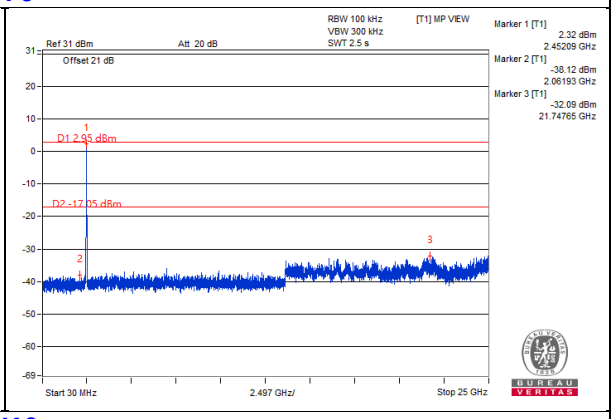

### CH 8



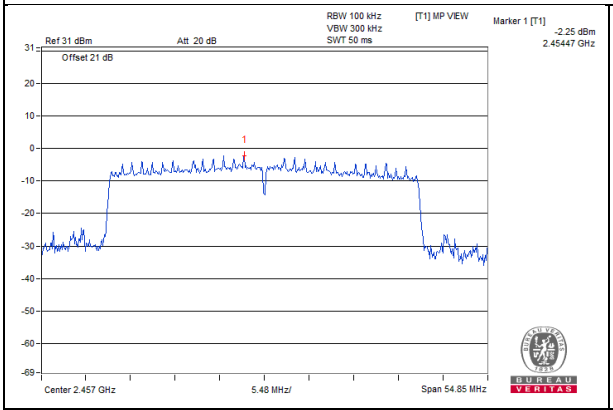



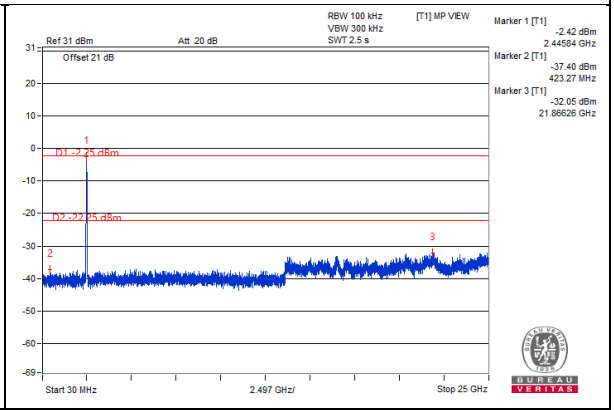
## CH 9



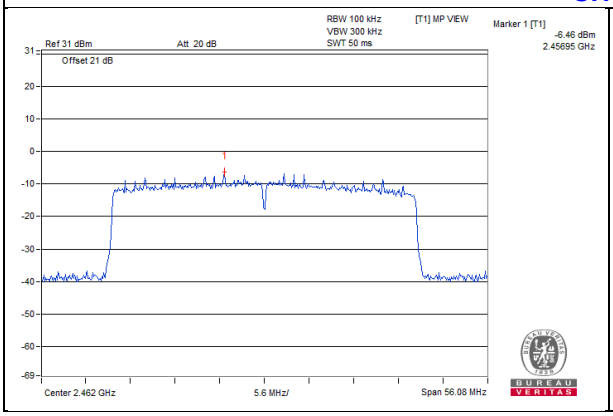



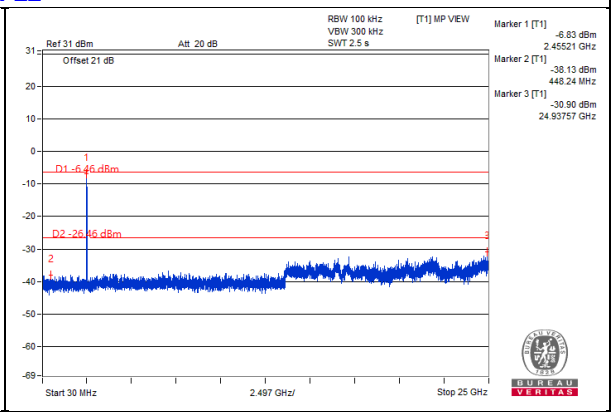

## CH10



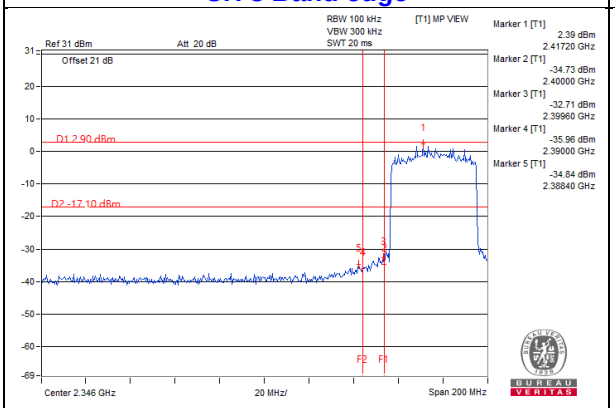




## CH 11

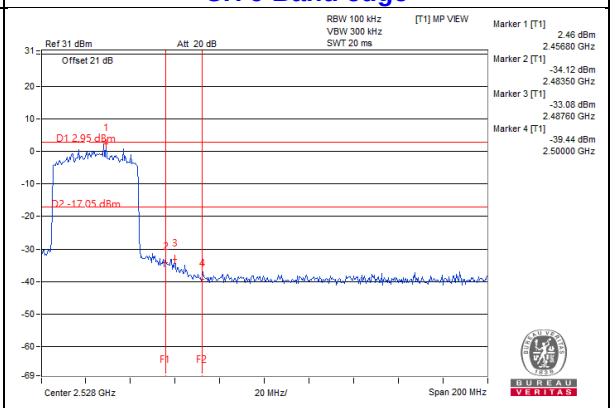


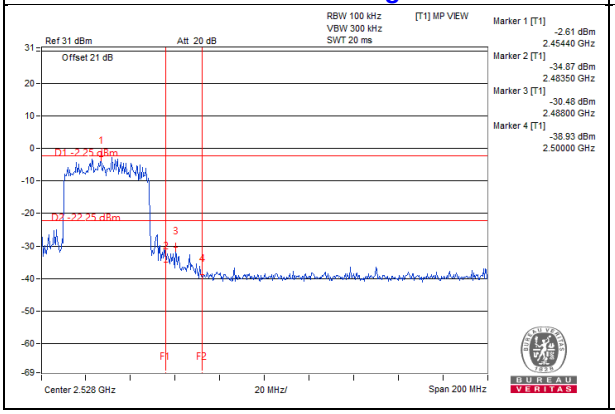
## CH 3 Band edge



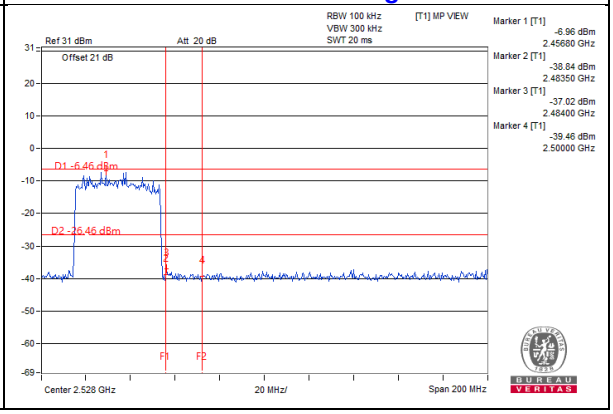

## CH 9 Band edge




## CH 10 Band edge




## CH 11 Band edge



## 5 Pictures of Test Arrangements

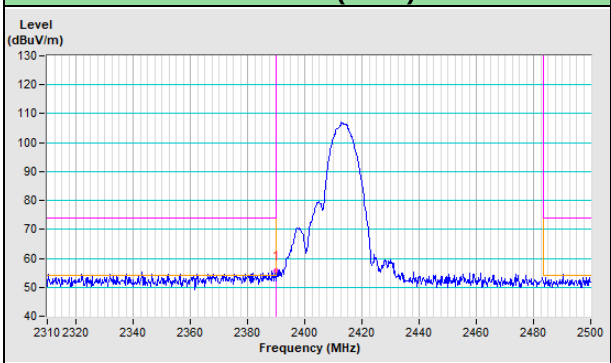
Please refer to the attached file (Test Setup Photo).

## Annex A - Band-Edge Measurement

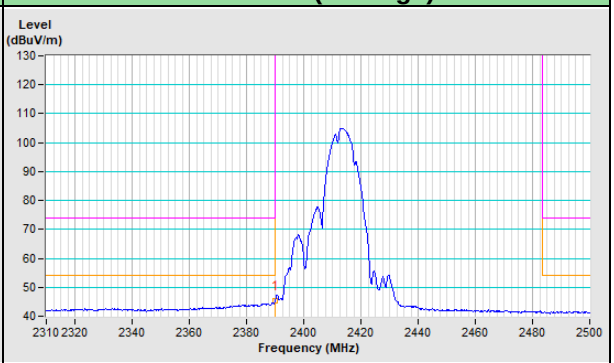
## Test Results (Mode 1)

### 802.11b Channel 1

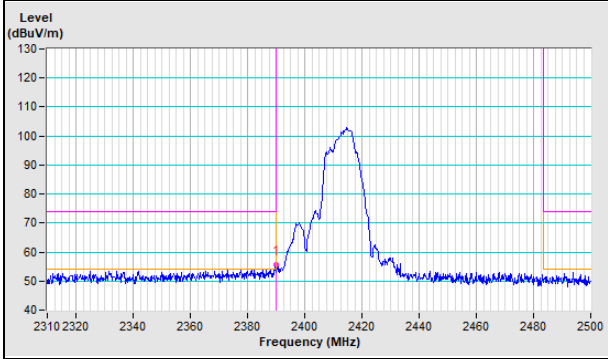
#### Horizontal (Peak)



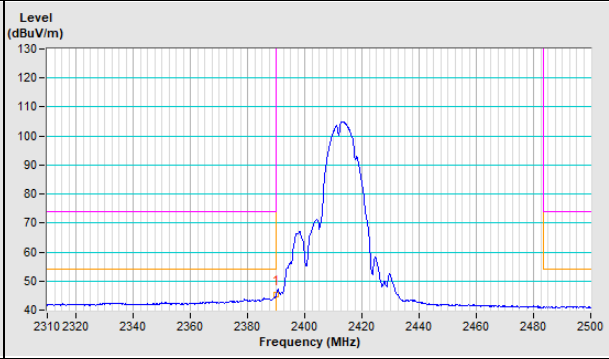

#### Horizontal (Average)




#### Vertical (Peak)

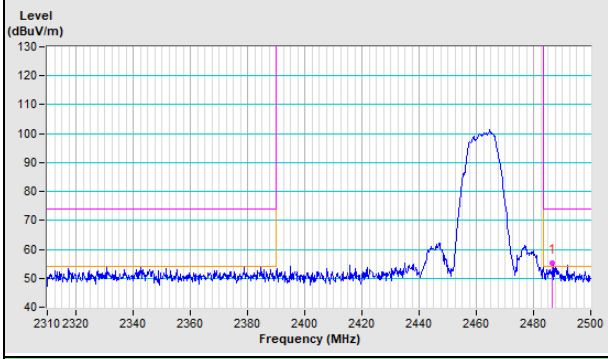



#### Vertical (Average)

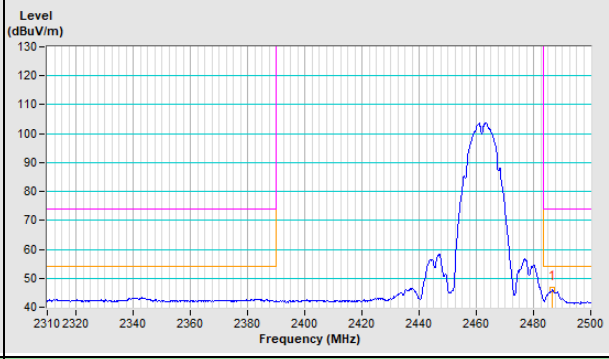



### 802.11b Channel 11

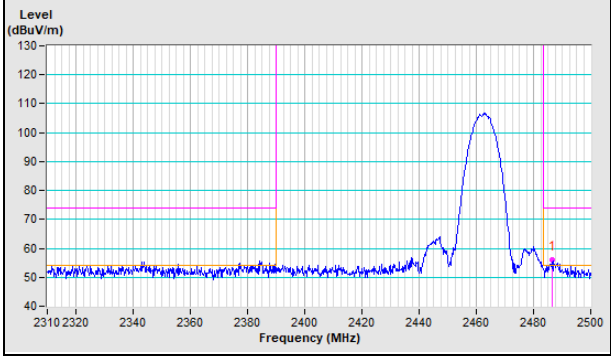
#### Horizontal (Peak)



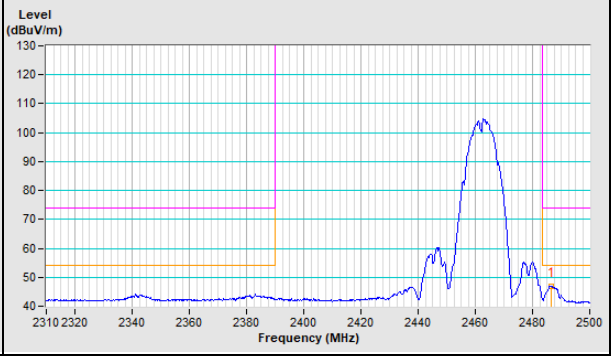

#### Horizontal (Average)




#### Vertical (Peak)

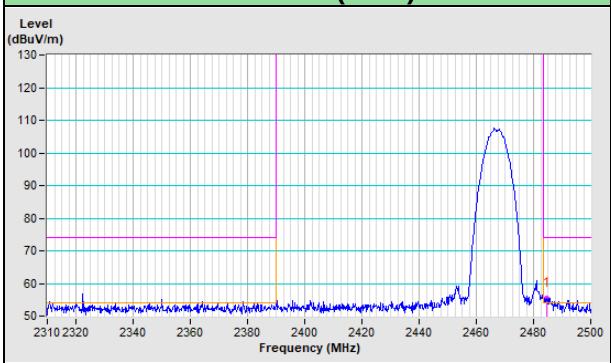



#### Vertical (Average)

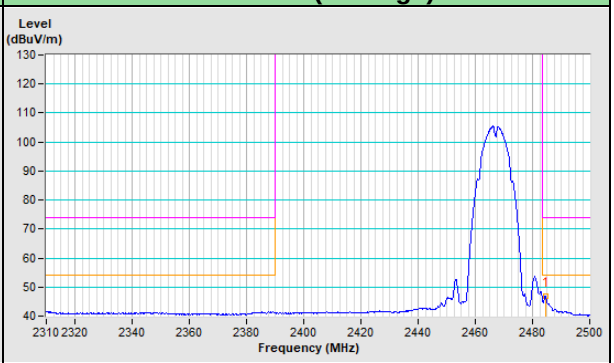


## 802.11b Channel 12

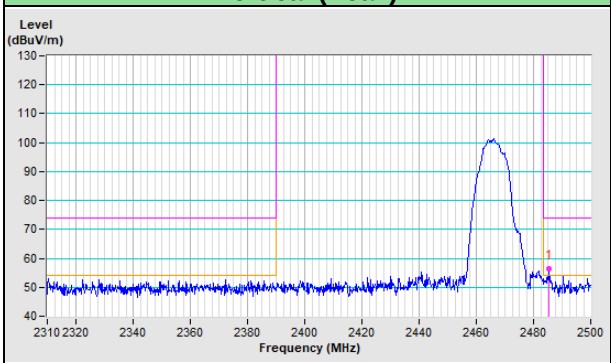
### Horizontal (Peak)



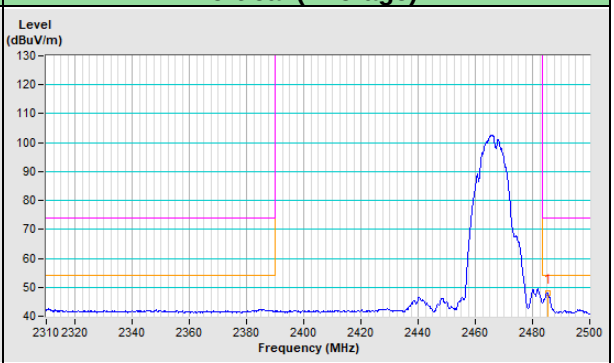

### Horizontal (Average)




### Vertical (Peak)

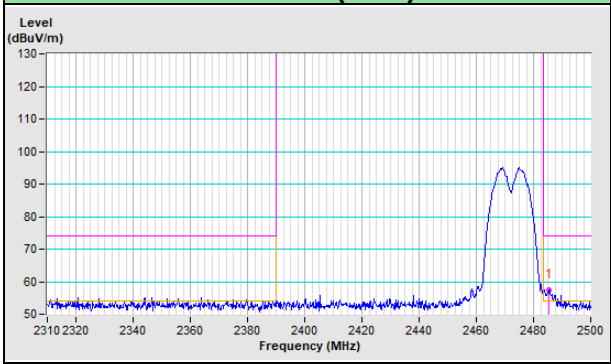



### Vertical (Average)

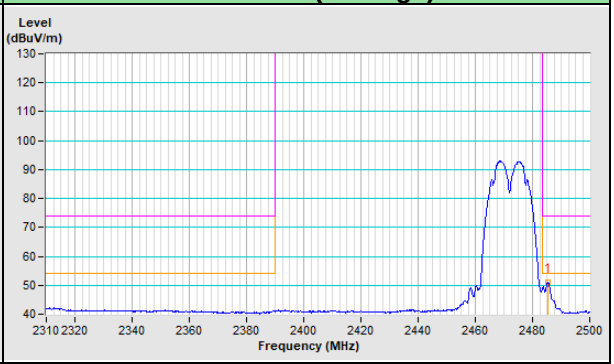



## 802.11b Channel 13

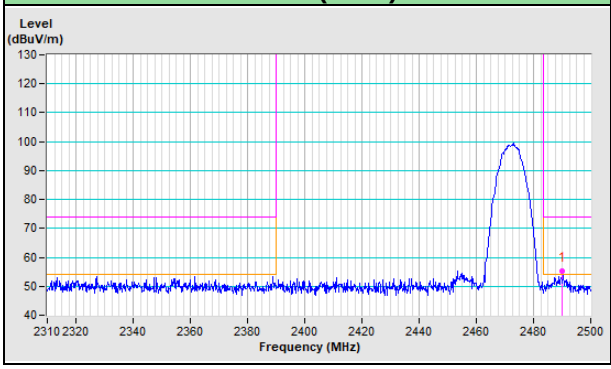
### Horizontal (Peak)



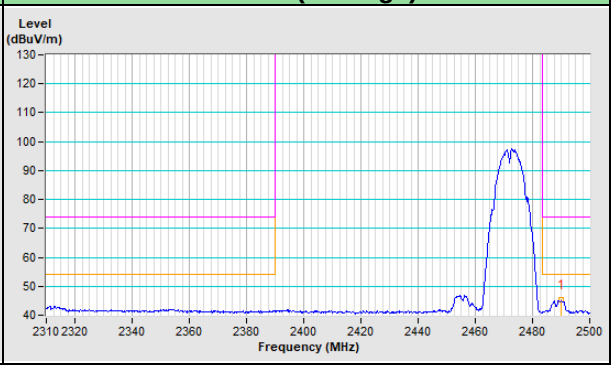

### Horizontal (Average)




### Vertical (Peak)

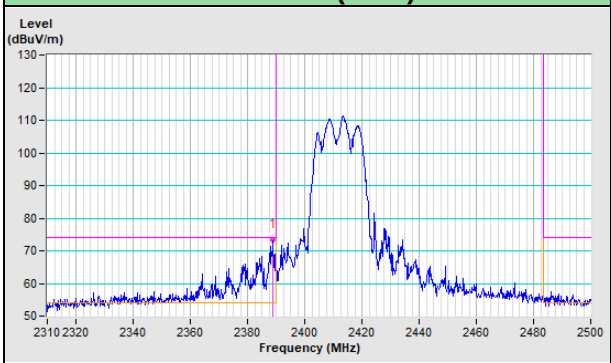



### Vertical (Average)

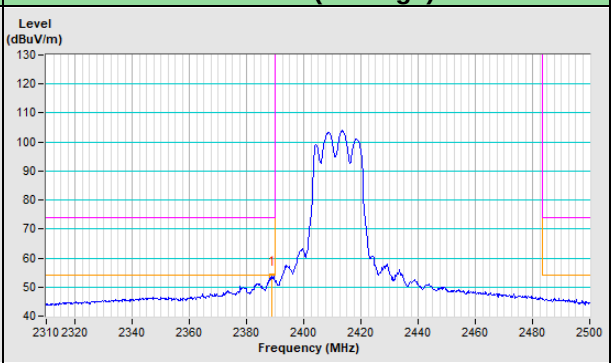


## 802.11g Channel 1

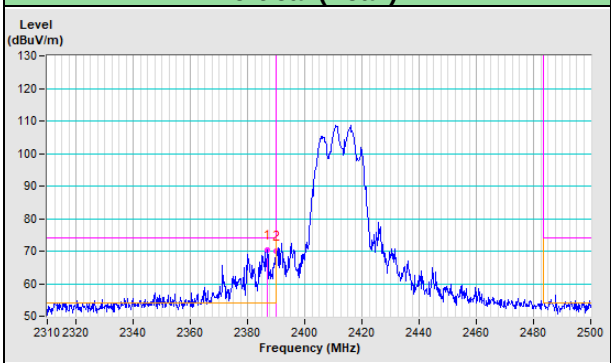
### Horizontal (Peak)



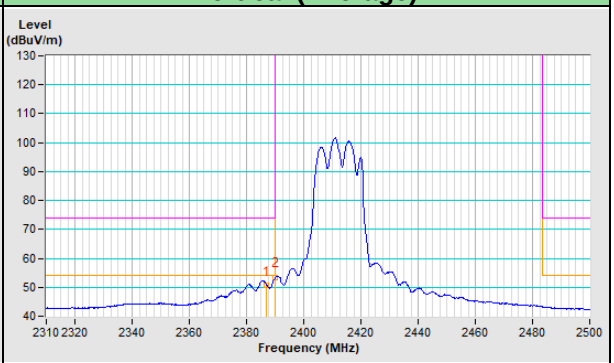

### Horizontal (Average)




### Vertical (Peak)

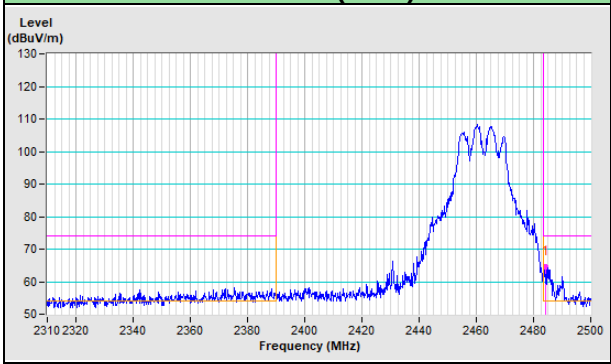



### Vertical (Average)

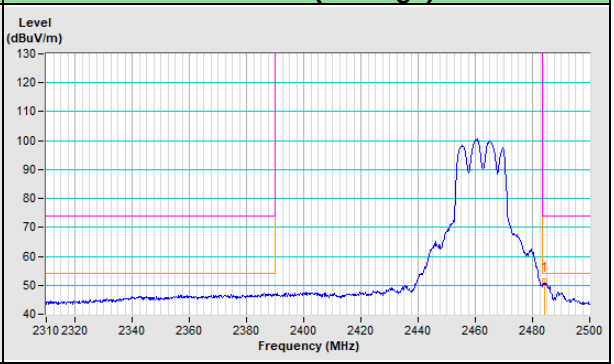



## 802.11g Channel 11

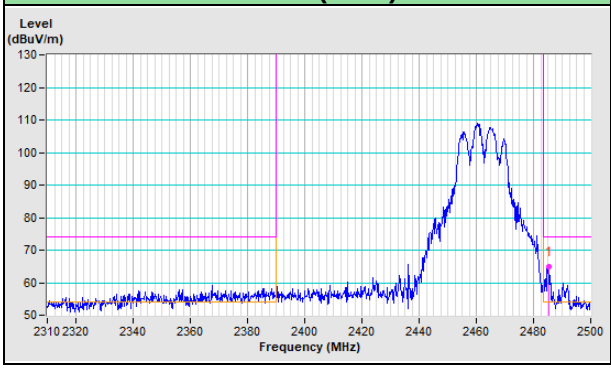
### Horizontal (Peak)



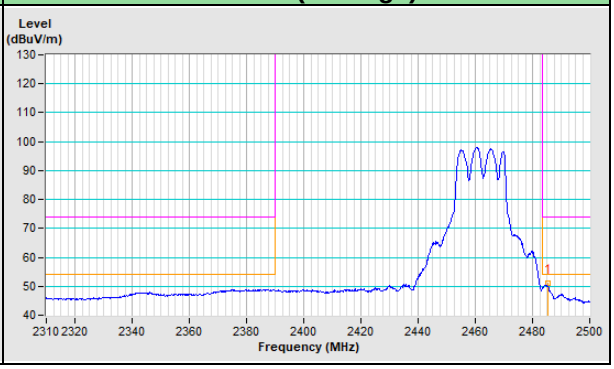

### Horizontal (Average)




### Vertical (Peak)

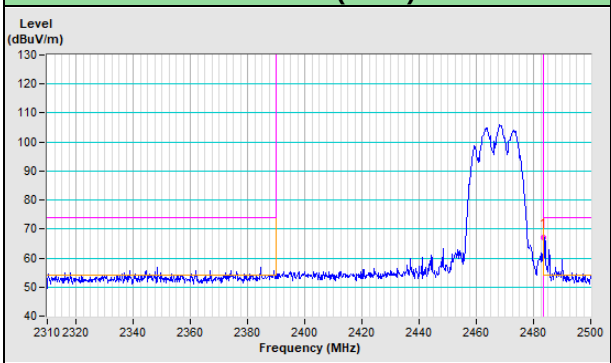



### Vertical (Average)

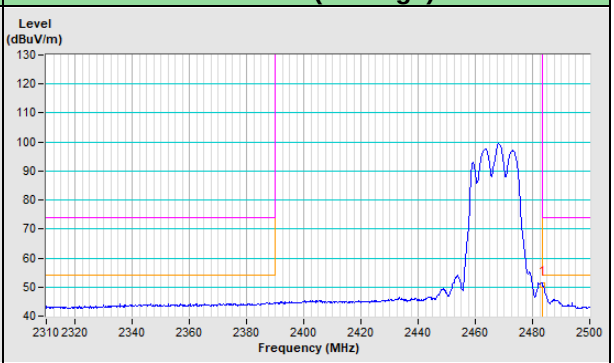


## 802.11g Channel 12

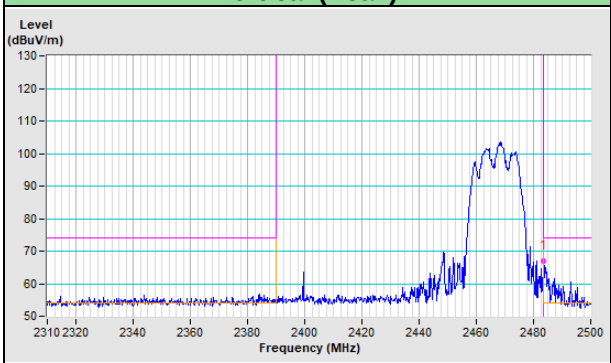
### Horizontal (Peak)



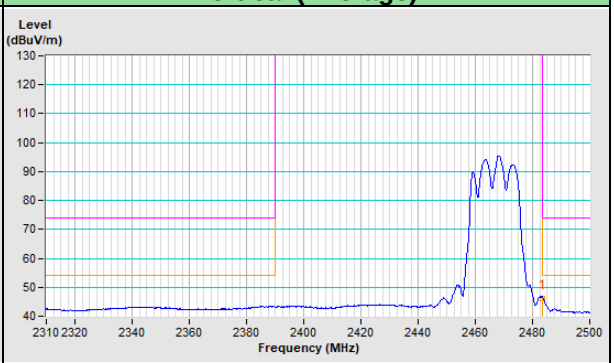

### Horizontal (Average)




### Vertical (Peak)

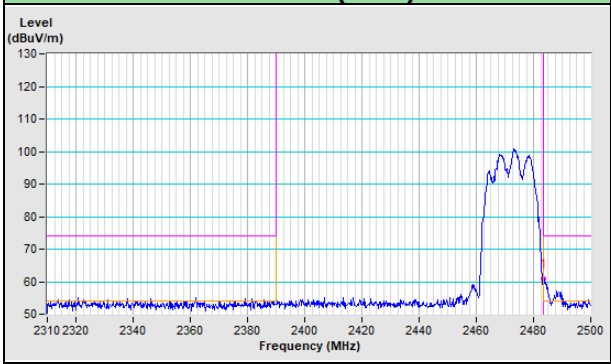



### Vertical (Average)

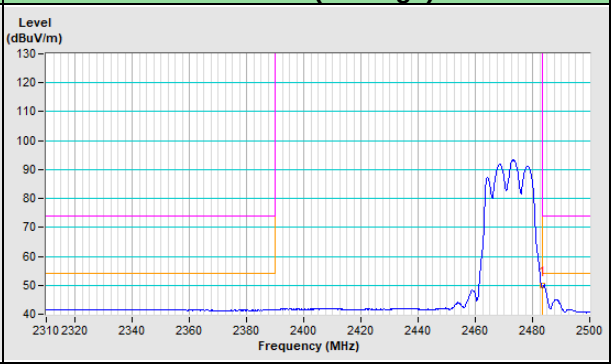



## 802.11g Channel 13

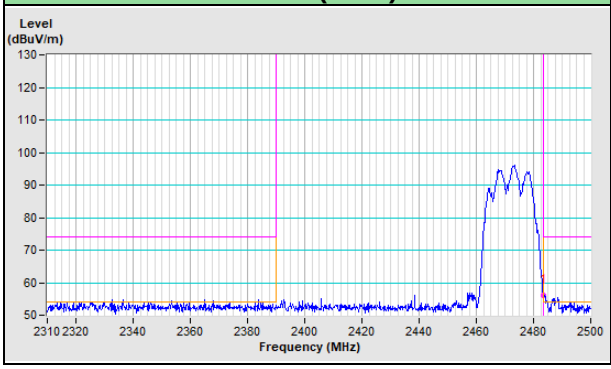
### Horizontal (Peak)



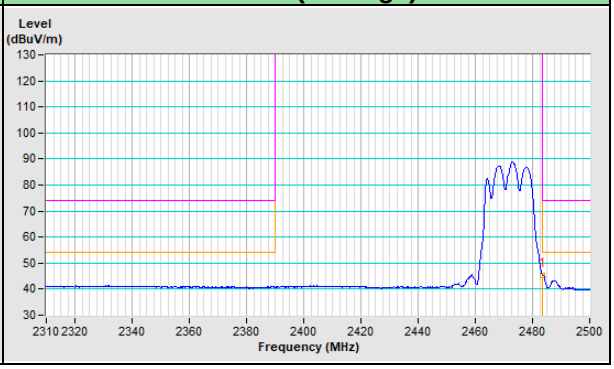

### Horizontal (Average)




### Vertical (Peak)

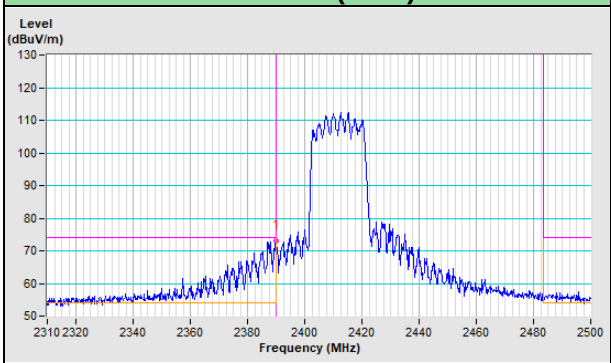



### Vertical (Average)

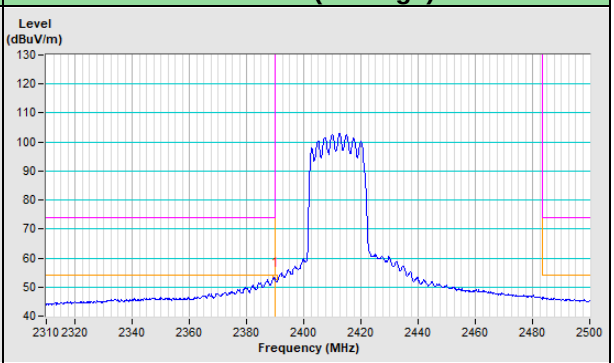


## 802.11ax (HE20) Channel 1

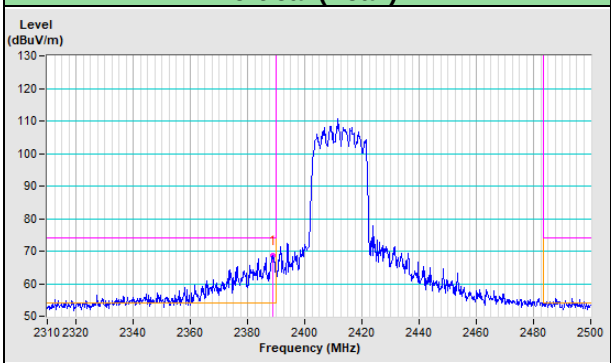
### Horizontal (Peak)



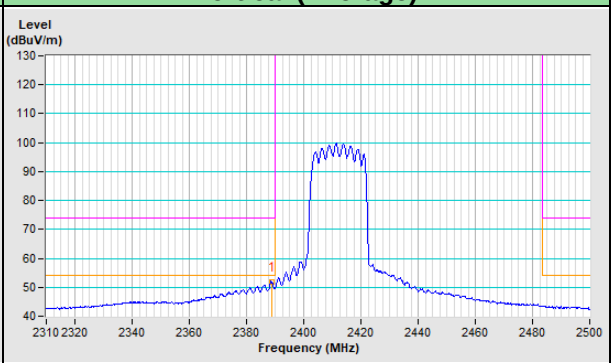

### Horizontal (Average)




### Vertical (Peak)

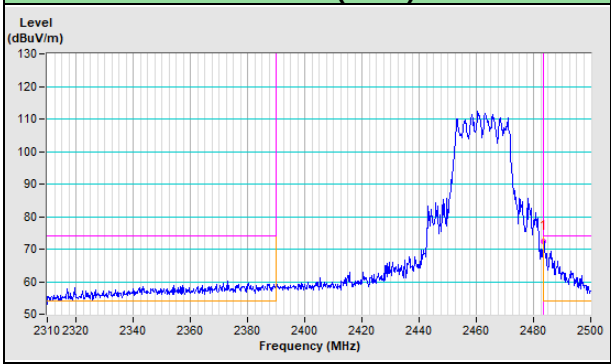



### Vertical (Average)

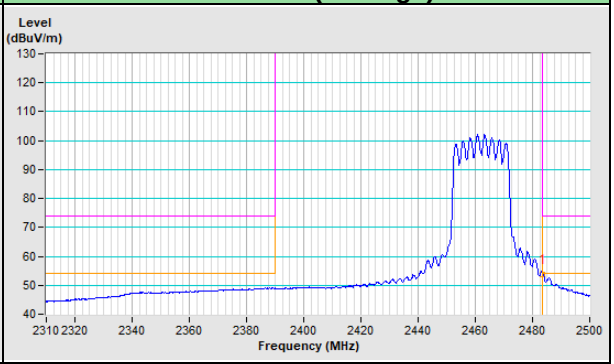



## 802.11ax (HE20) Channel 11

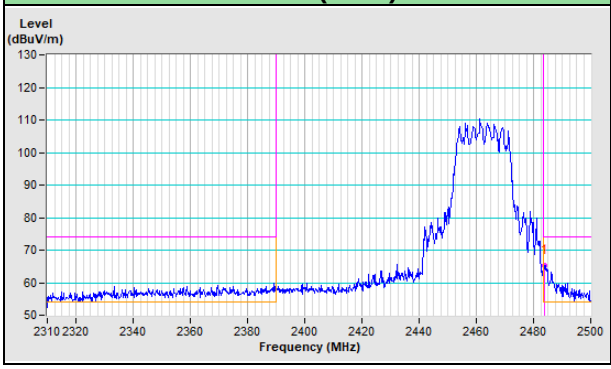
### Horizontal (Peak)



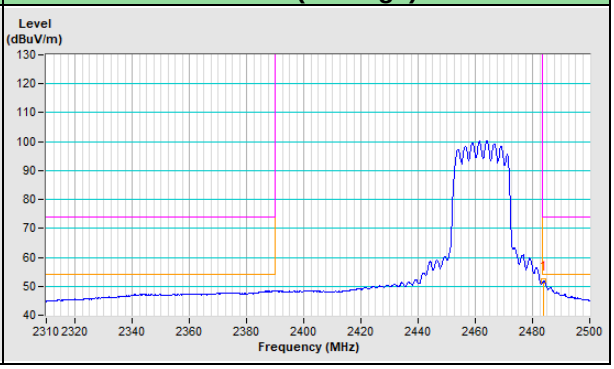

### Horizontal (Average)




### Vertical (Peak)

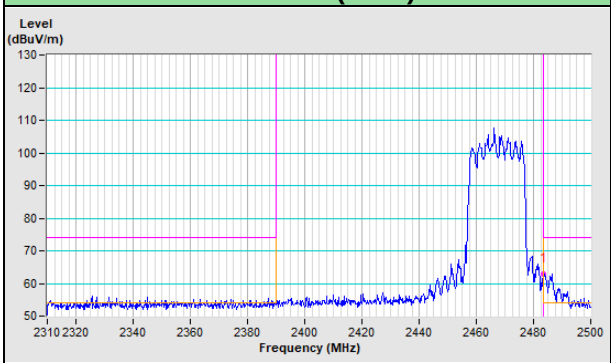



### Vertical (Average)

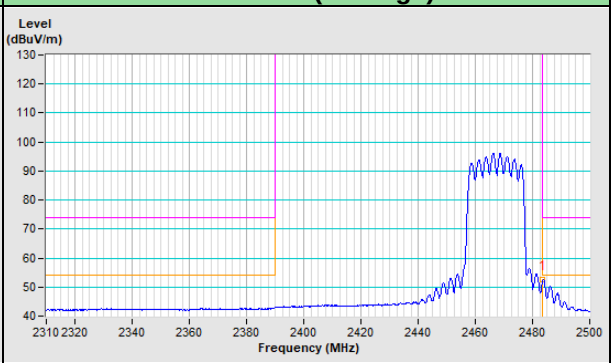


## 802.11ax (HE20) Channel 12

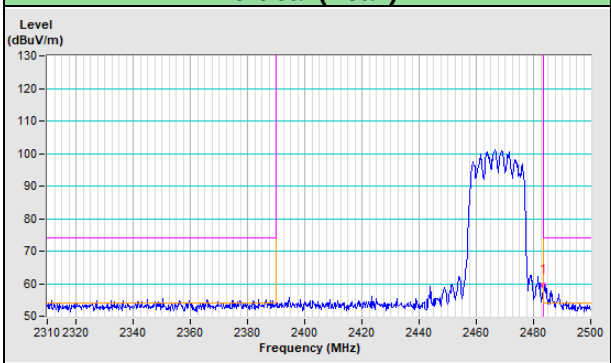
### Horizontal (Peak)



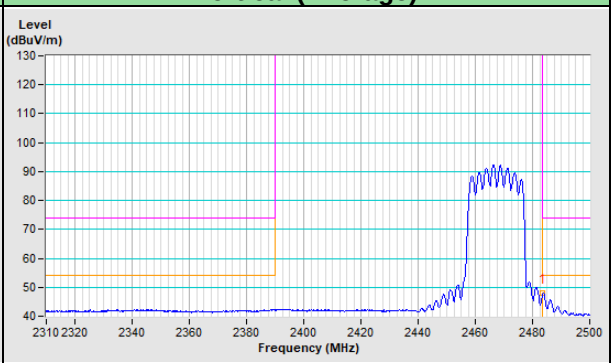

### Horizontal (Average)




### Vertical (Peak)

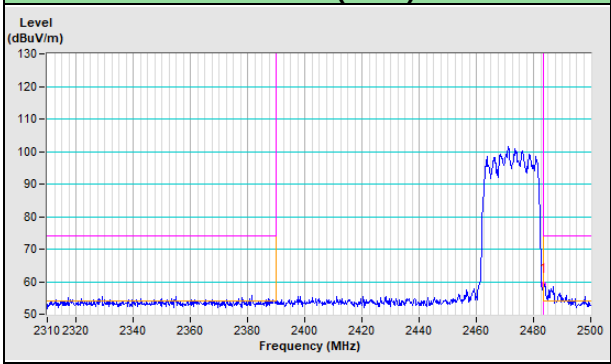



### Vertical (Average)

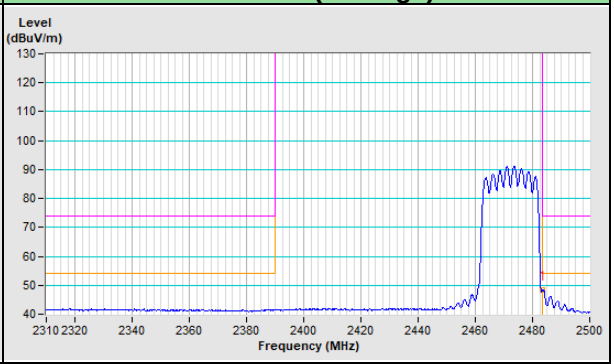



## 802.11ax (HE20) Channel 13

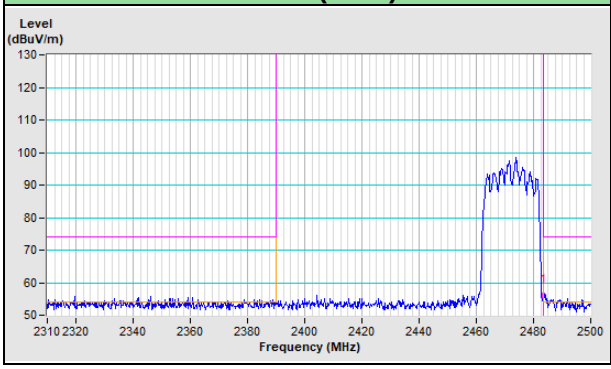
### Horizontal (Peak)



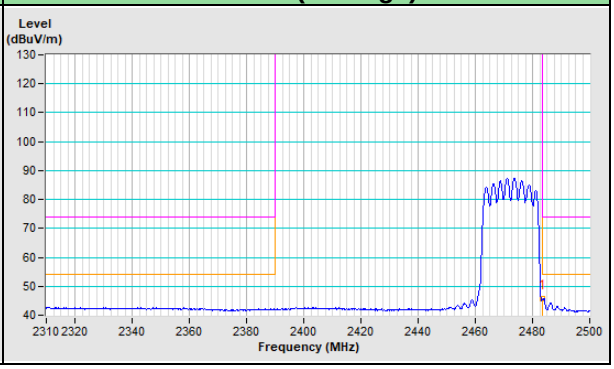

### Horizontal (Average)




### Vertical (Peak)

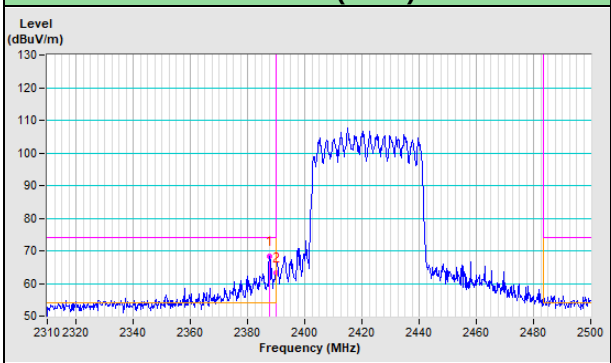



### Vertical (Average)

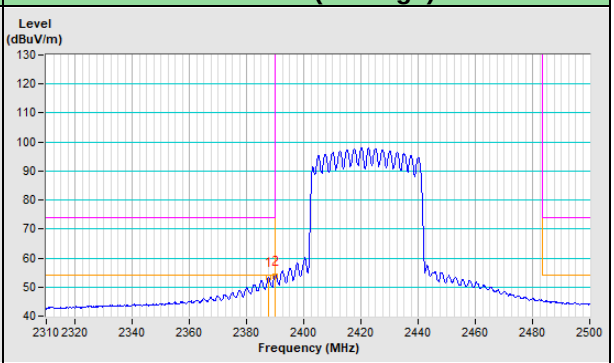


## 802.11ax (HE40) Channel 3

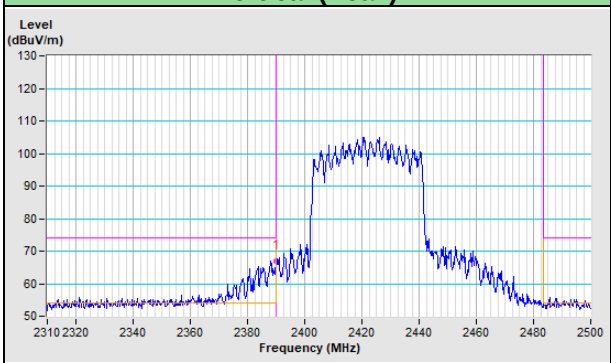
### Horizontal (Peak)



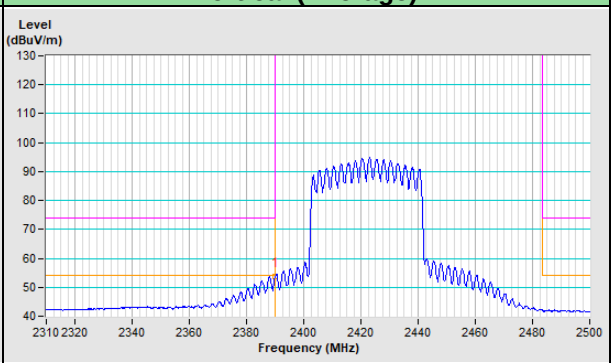

### Horizontal (Average)




### Vertical (Peak)

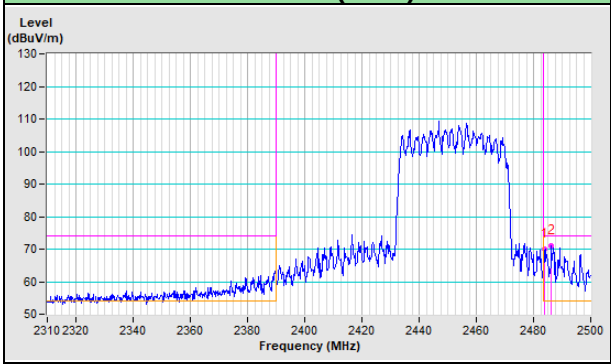



### Vertical (Average)

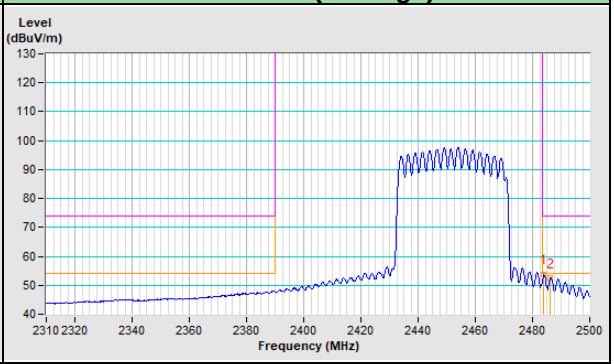



## 802.11ax (HE40) Channel 9

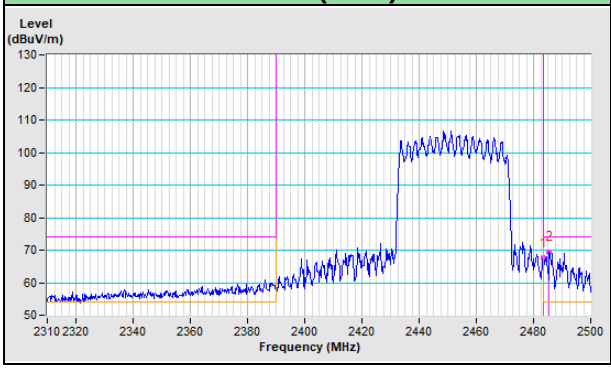
### Horizontal (Peak)



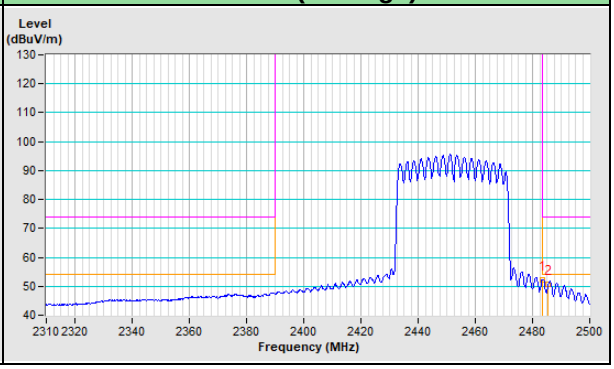

### Horizontal (Average)




### Vertical (Peak)

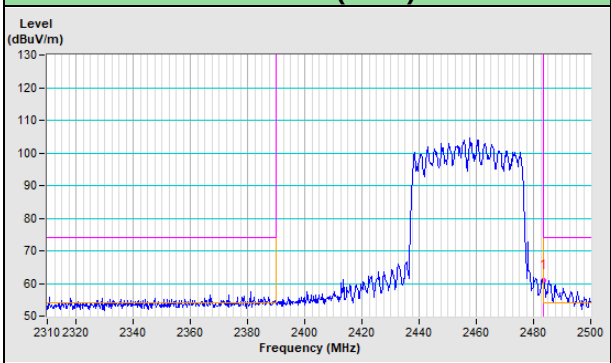



### Vertical (Average)

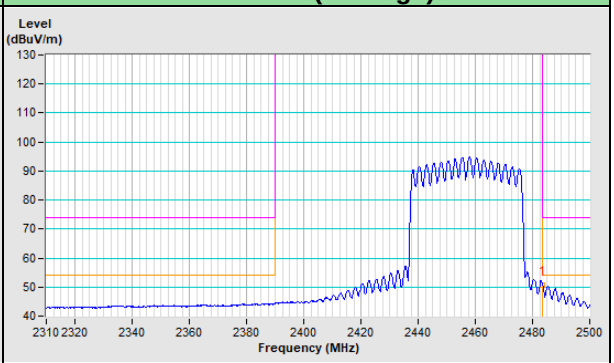


## 802.11ax (HE40) Channel 10

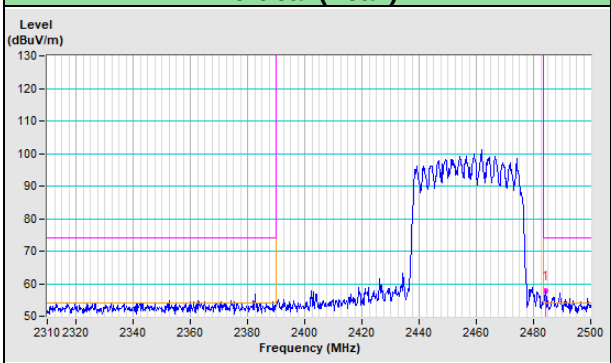
### Horizontal (Peak)



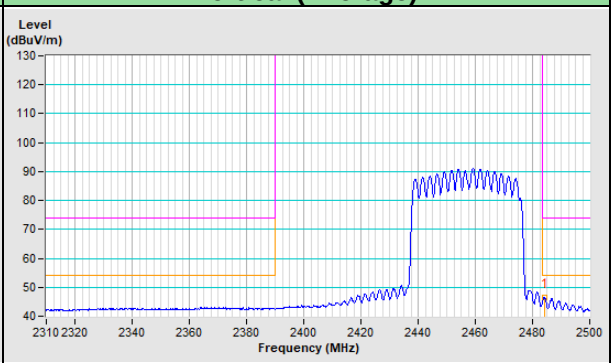

### Horizontal (Average)




### Vertical (Peak)

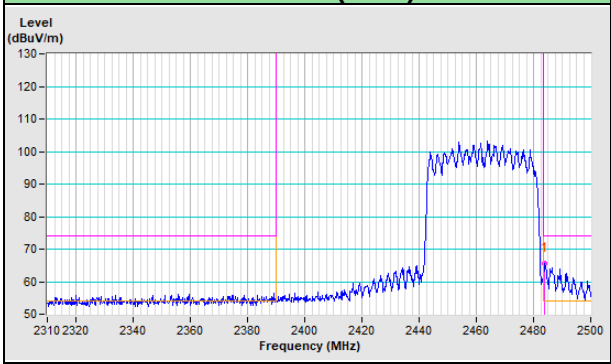



### Vertical (Average)

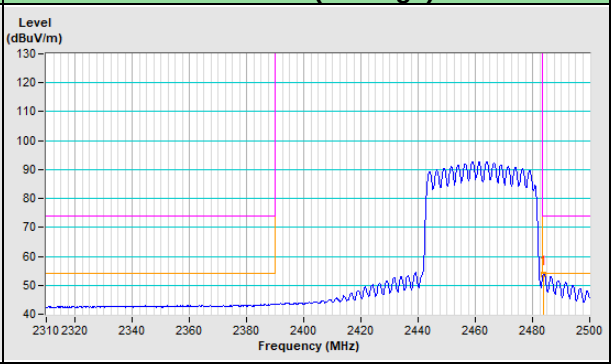



## 802.11ax (HE40) Channel 11

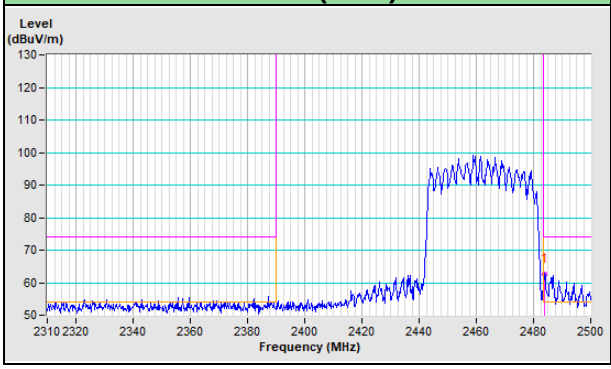
### Horizontal (Peak)



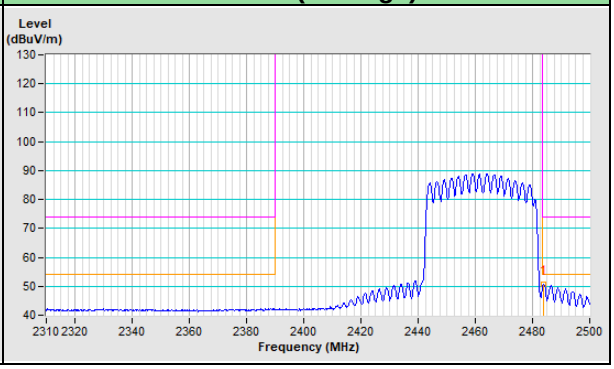

### Horizontal (Average)




### Vertical (Peak)



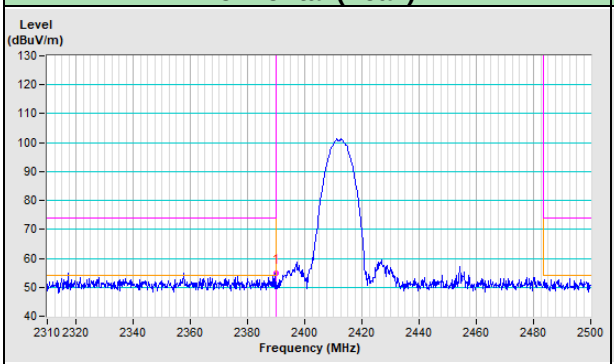

### Vertical (Average)



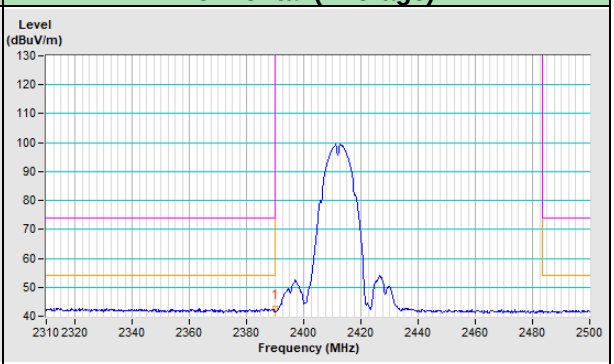
## Test Results (Mode 2)

### 802.11b Channel 1

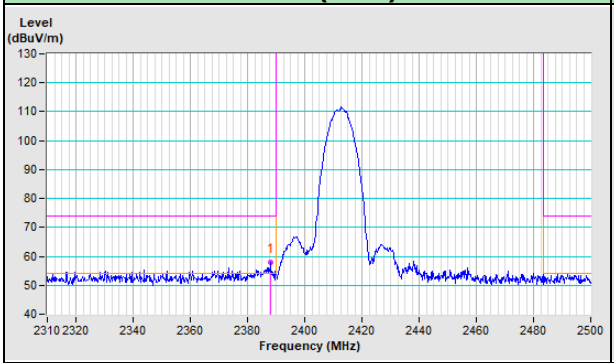
#### Horizontal (Peak)



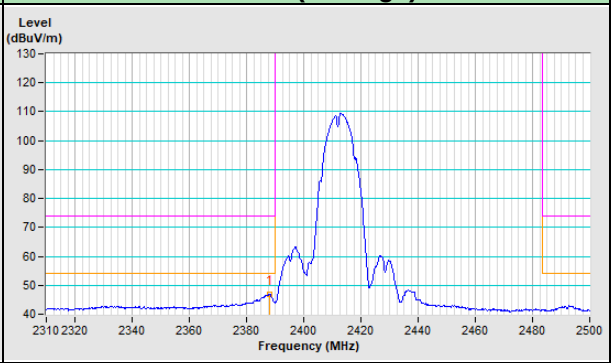

#### Horizontal (Average)




#### Vertical (Peak)

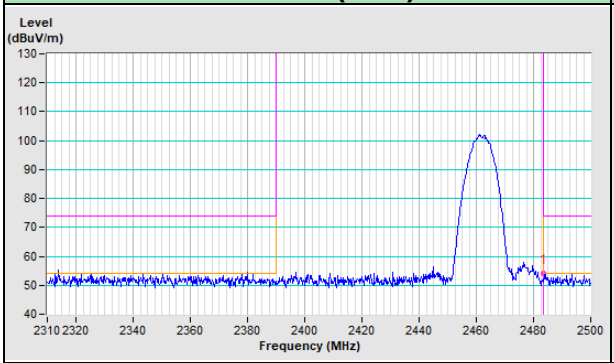



#### Vertical (Average)

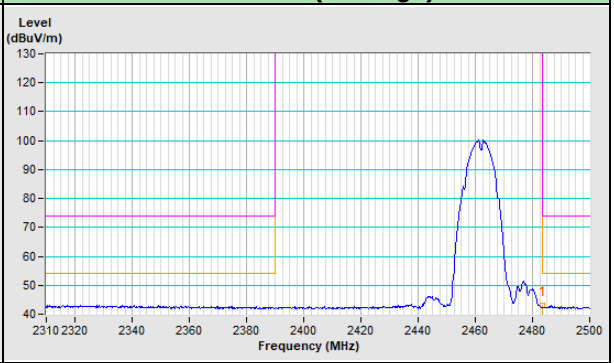



### 802.11b Channel 11

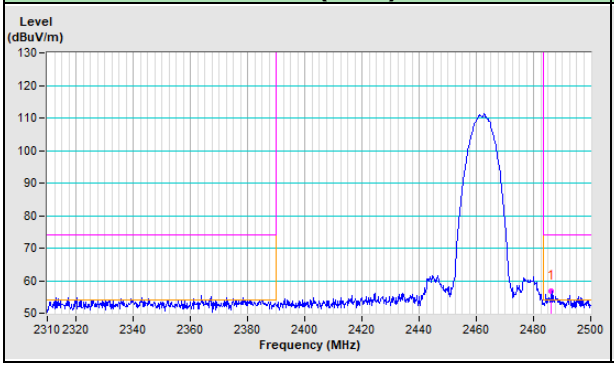
#### Horizontal (Peak)



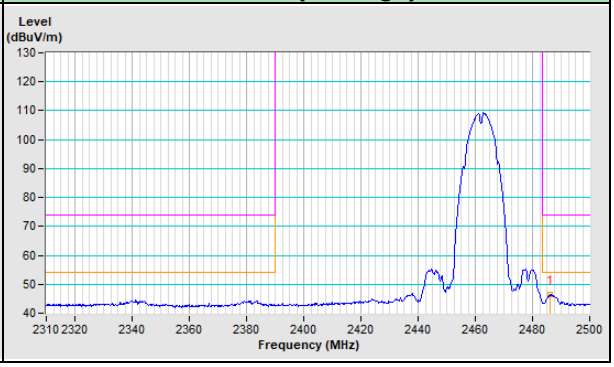

#### Horizontal (Average)




#### Vertical (Peak)

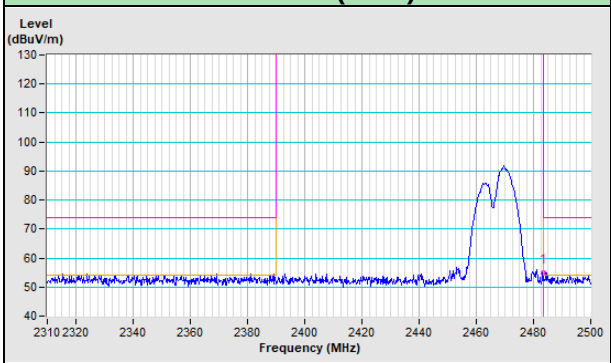



#### Vertical (Average)

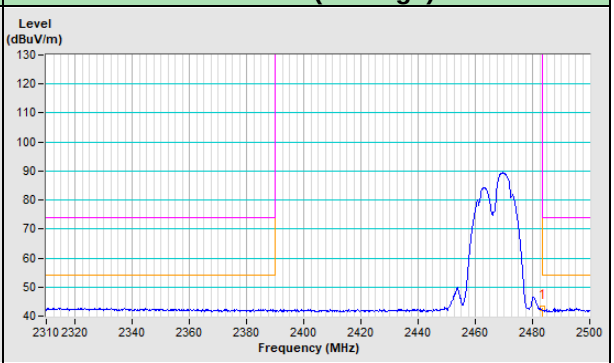


## 802.11b Channel 12

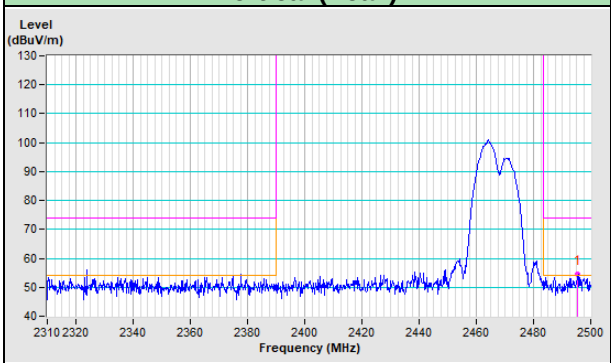
### Horizontal (Peak)



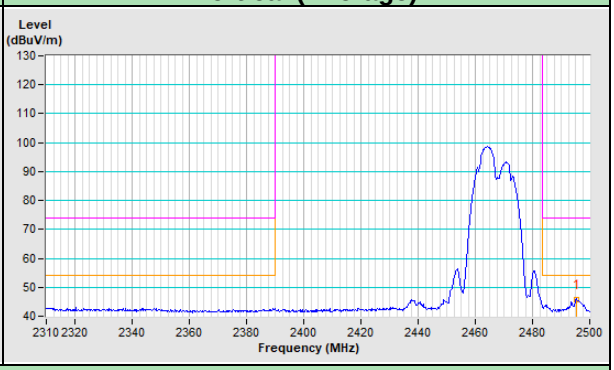

### Horizontal (Average)




### Vertical (Peak)

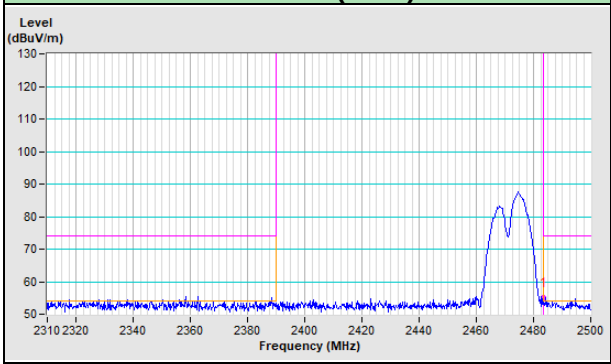



### Vertical (Average)

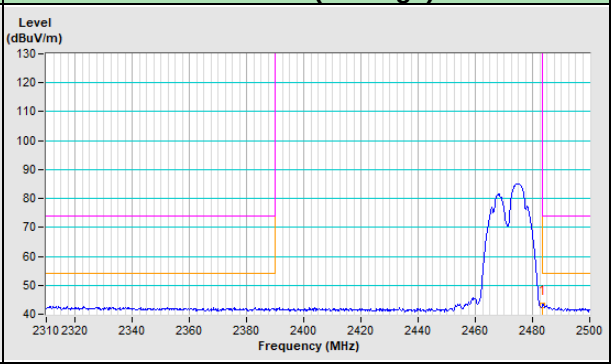



## 802.11b Channel 13

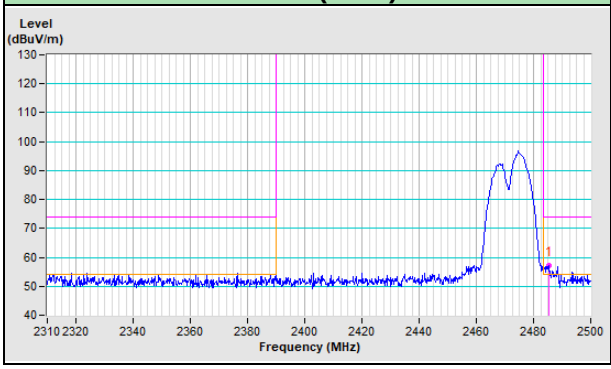
### Horizontal (Peak)



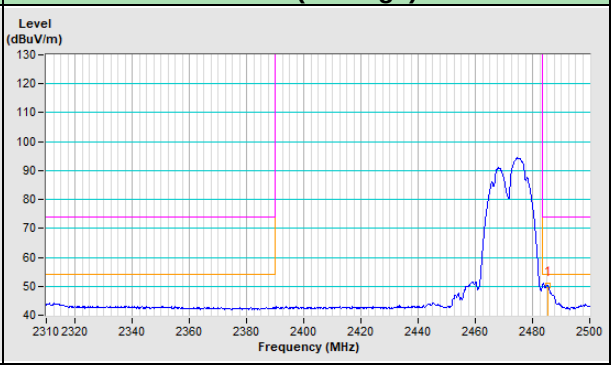

### Horizontal (Average)




### Vertical (Peak)

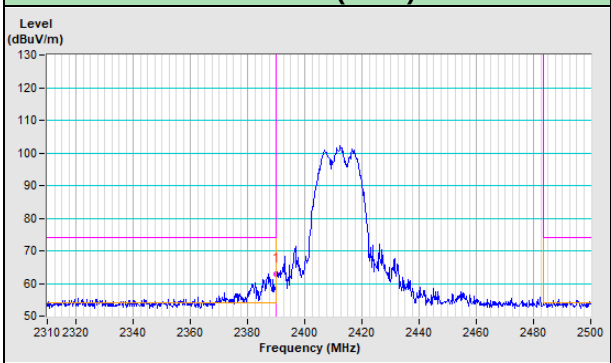



### Vertical (Average)

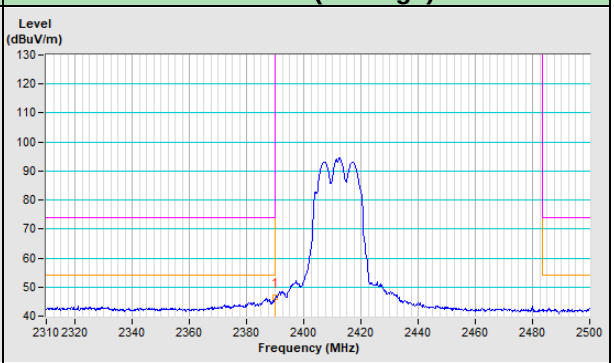


## 802.11g Channel 1

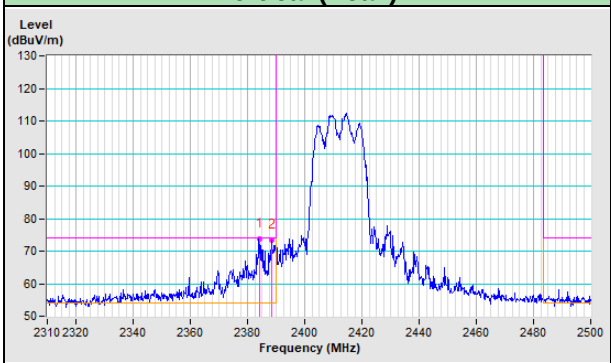
### Horizontal (Peak)



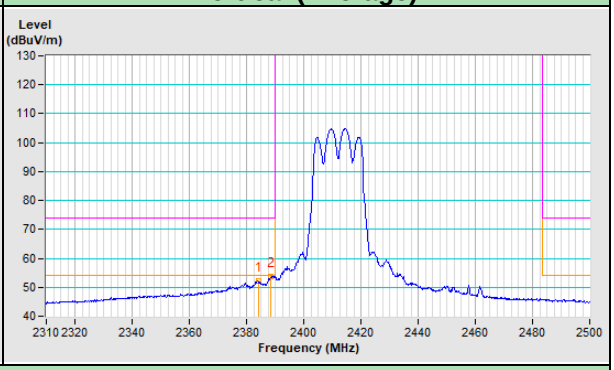

### Horizontal (Average)




### Vertical (Peak)

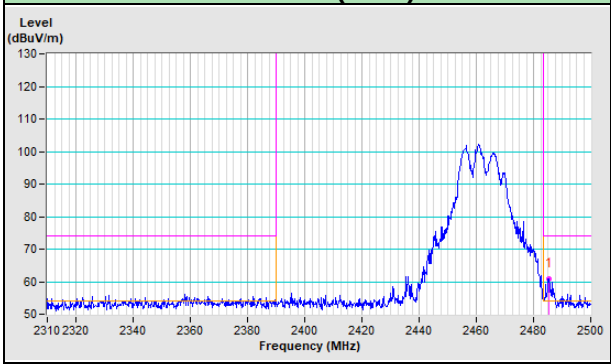



### Vertical (Average)

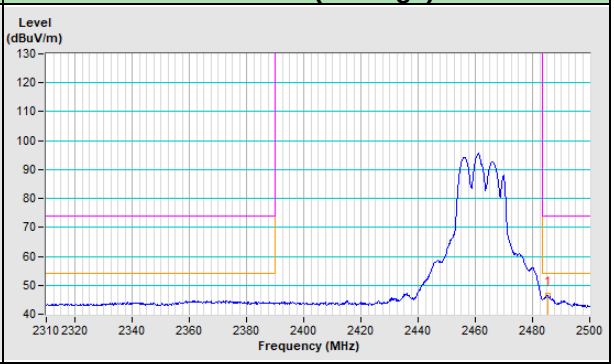



## 802.11g Channel 11

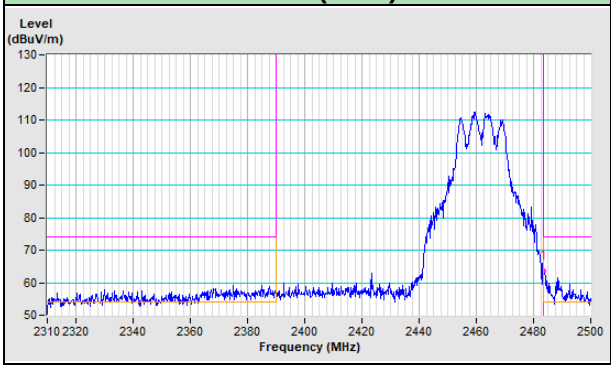
### Horizontal (Peak)



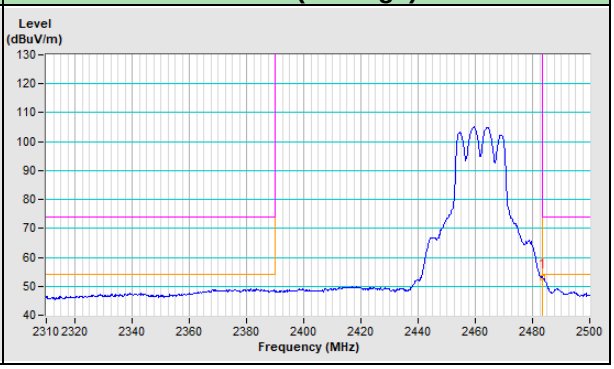

### Horizontal (Average)




### Vertical (Peak)

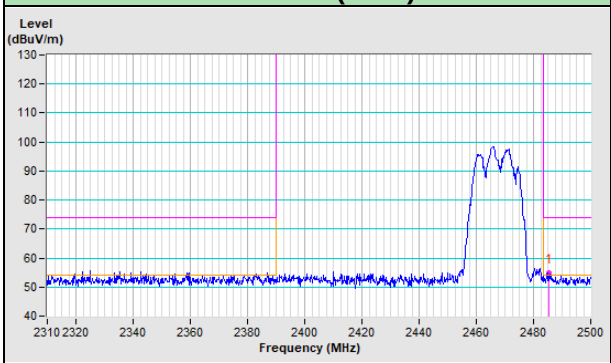



### Vertical (Average)

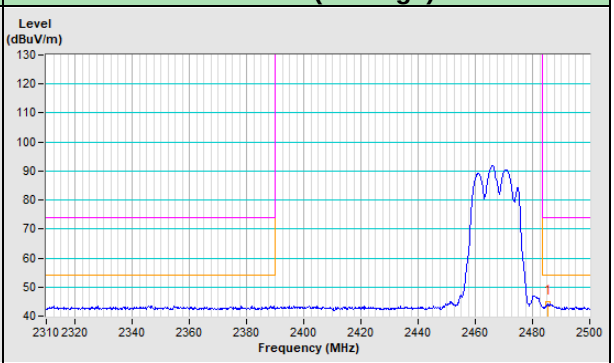


## 802.11g Channel 12

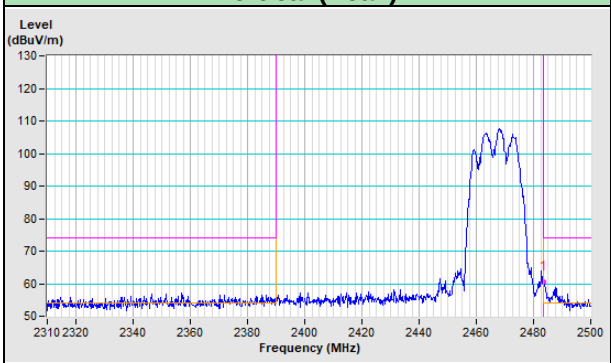
### Horizontal (Peak)



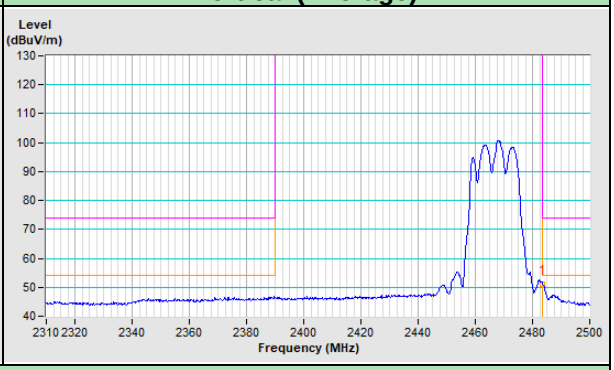

### Horizontal (Average)




### Vertical (Peak)

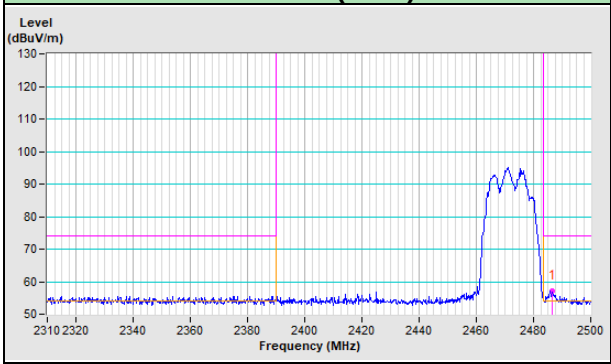



### Vertical (Average)

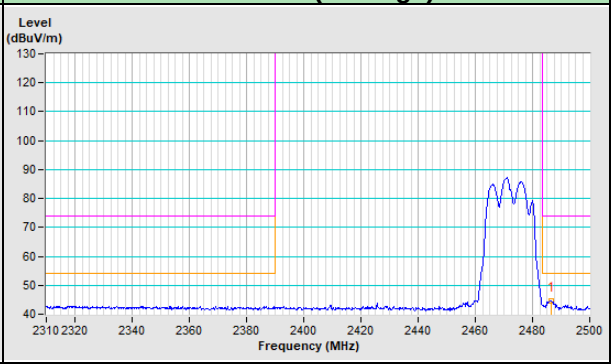



## 802.11g Channel 13

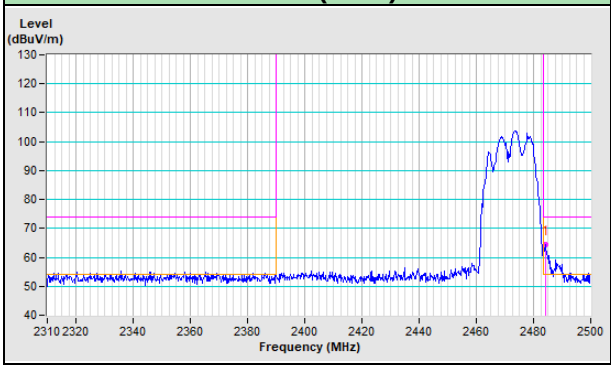
### Horizontal (Peak)



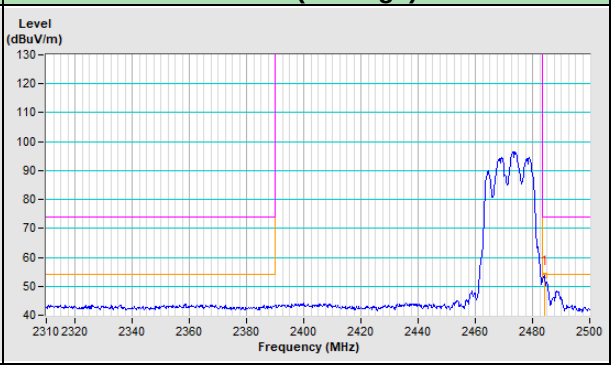

### Horizontal (Average)




### Vertical (Peak)

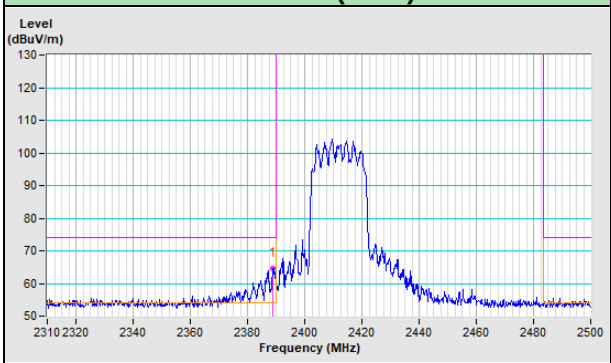



### Vertical (Average)

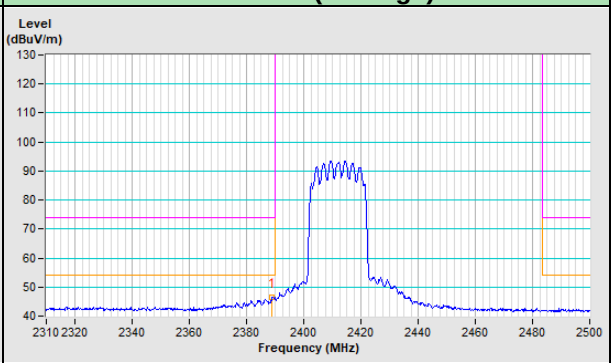


## 802.11ax (HE20) Channel 1

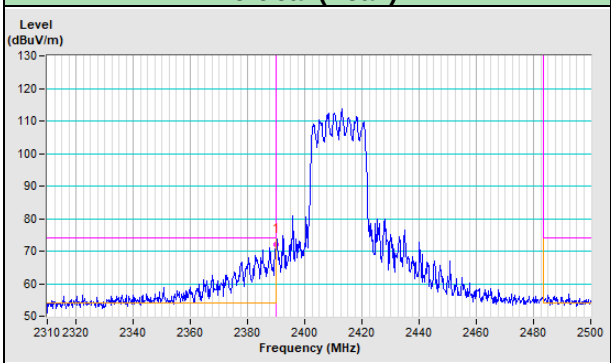
### Horizontal (Peak)



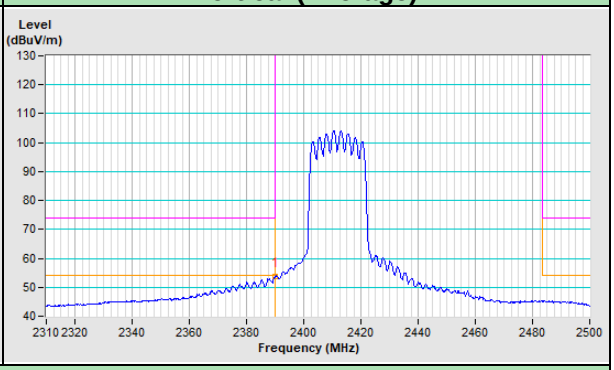

### Horizontal (Average)




### Vertical (Peak)

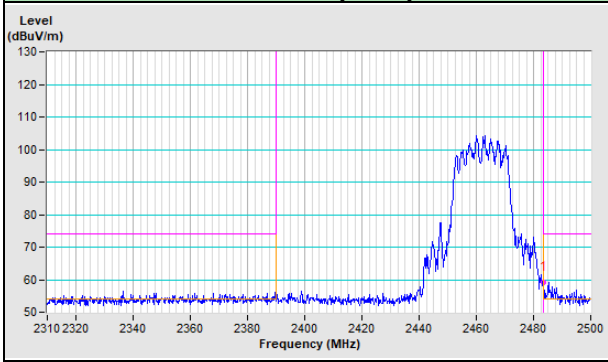



### Vertical (Average)

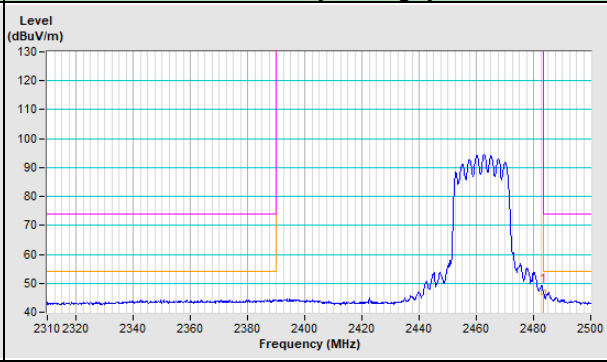



## 802.11ax (HE20) Channel 11

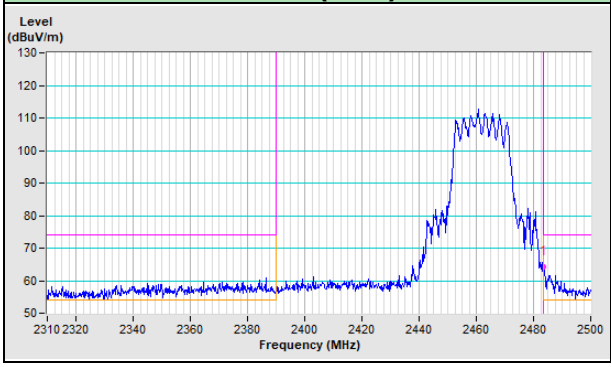
### Horizontal (Peak)



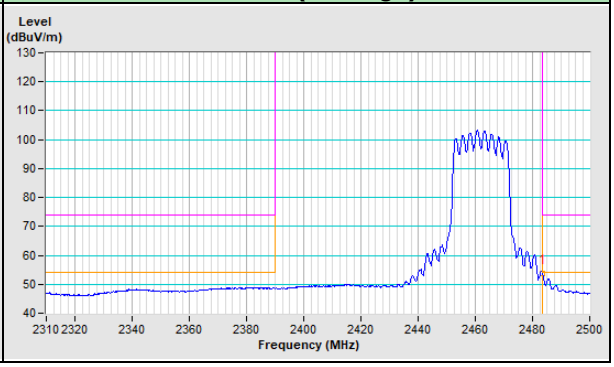

### Horizontal (Average)




### Vertical (Peak)

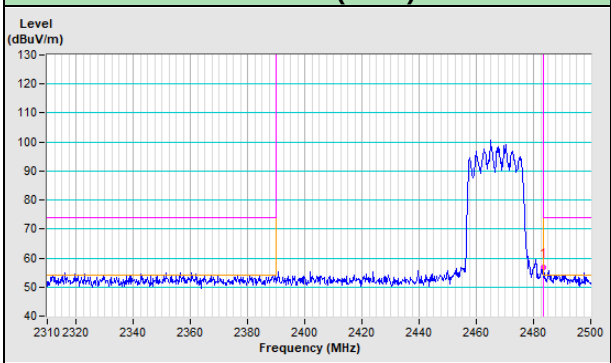



### Vertical (Average)

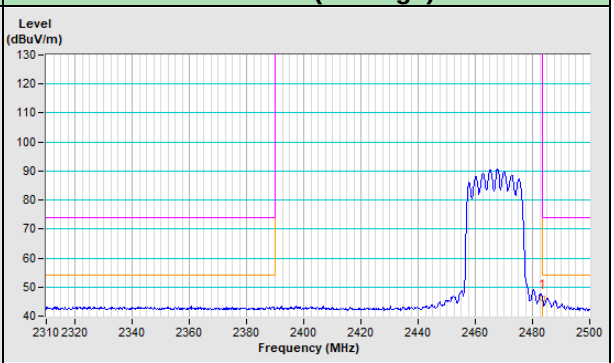


## 802.11ax (HE20) Channel 12

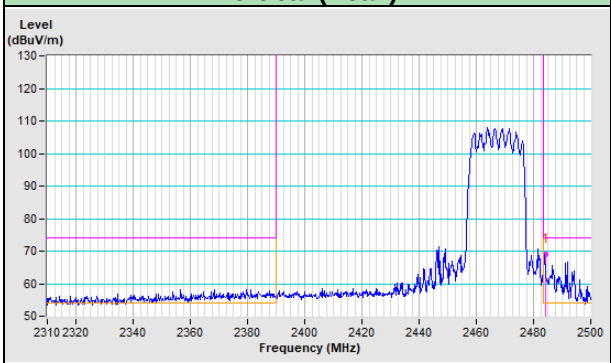
### Horizontal (Peak)



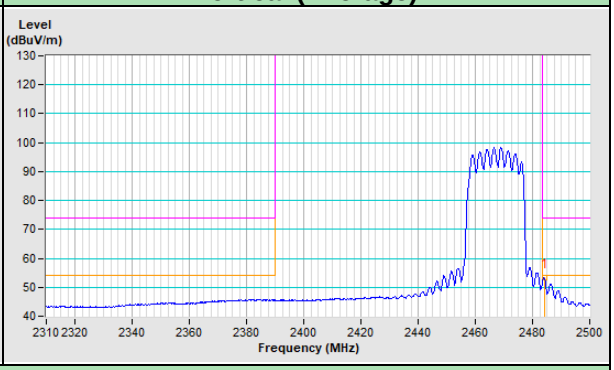

### Horizontal (Average)




### Vertical (Peak)

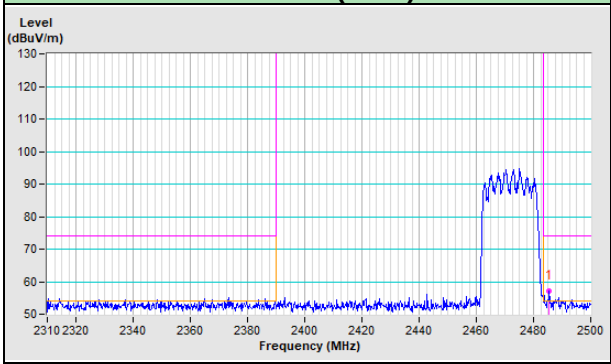



### Vertical (Average)

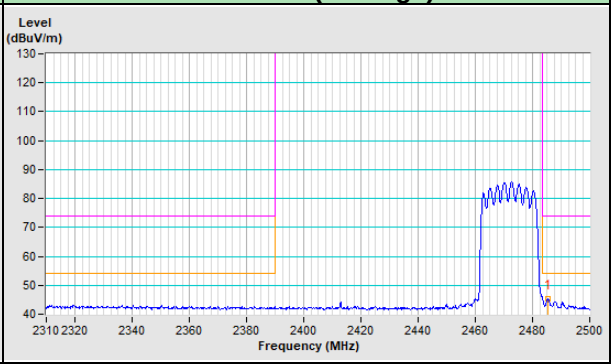



## 802.11ax (HE20) Channel 13

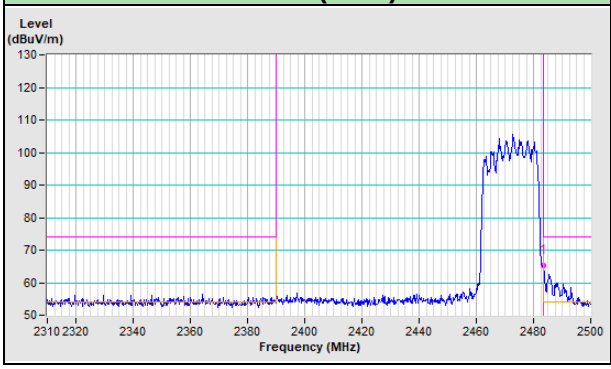
### Horizontal (Peak)



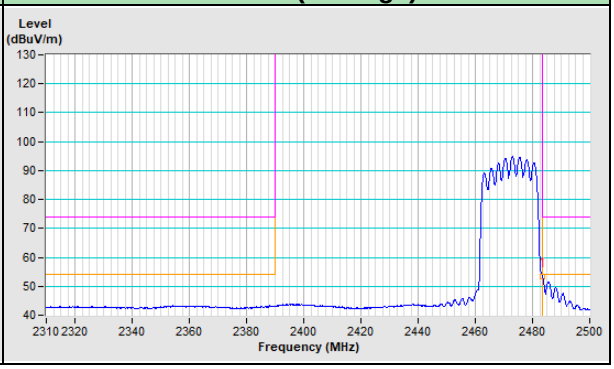

### Horizontal (Average)




### Vertical (Peak)

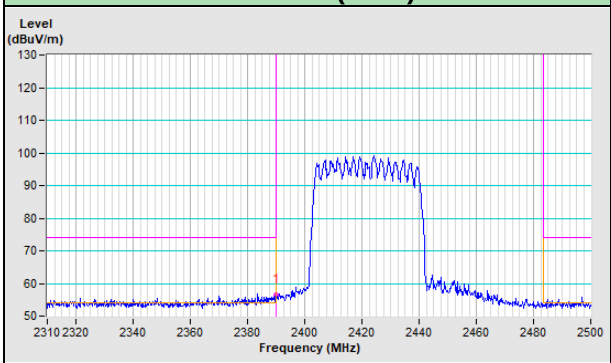



### Vertical (Average)

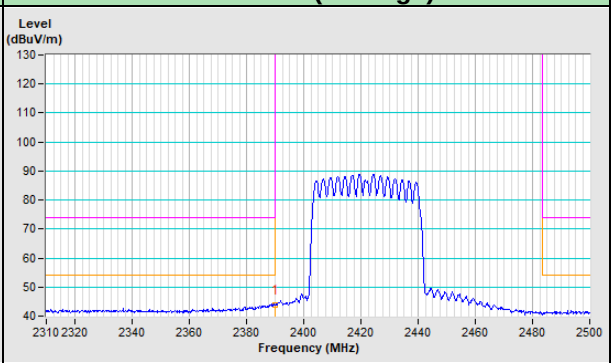


## 802.11ax (HE40) Channel 3

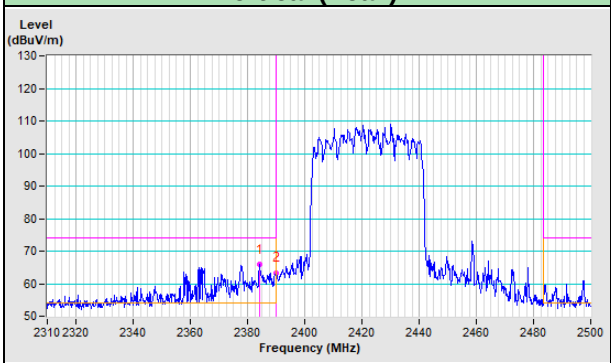
### Horizontal (Peak)



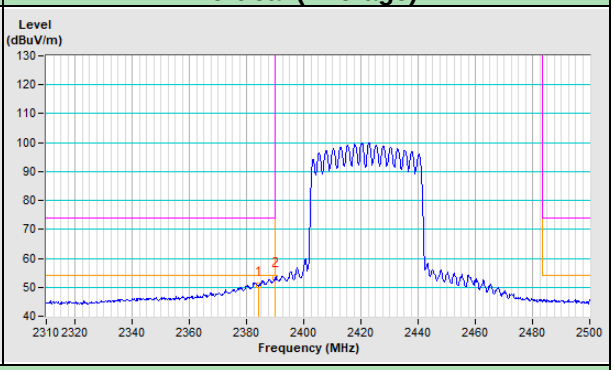

### Horizontal (Average)




### Vertical (Peak)

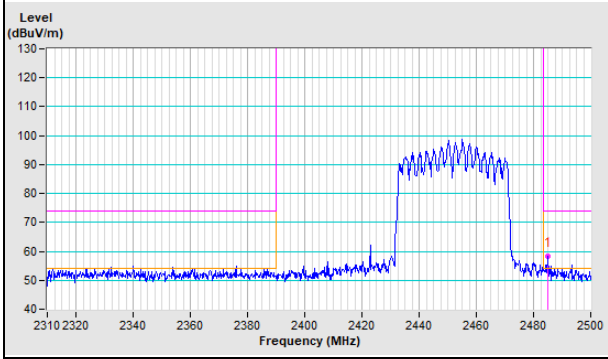



### Vertical (Average)

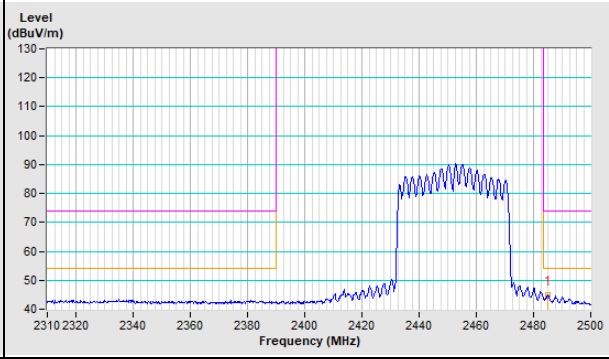



## 802.11ax (HE40) Channel 9

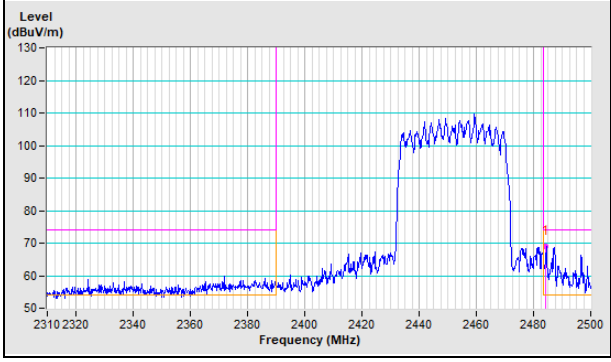
### Horizontal (Peak)



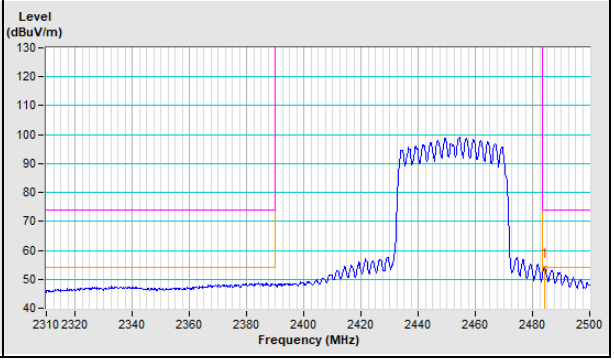

### Horizontal (Average)




### Vertical (Peak)

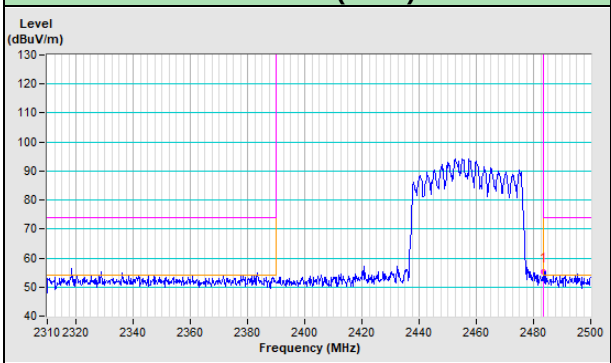



### Vertical (Average)

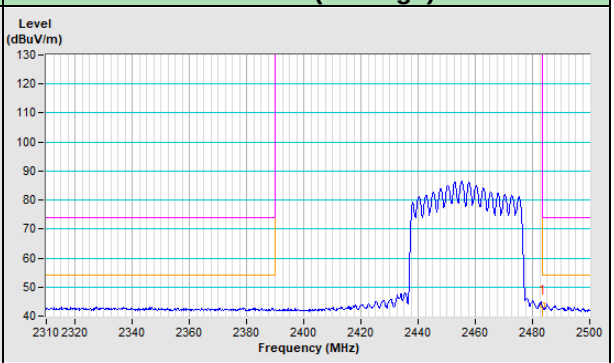


## 802.11ax (HE40) Channel 10

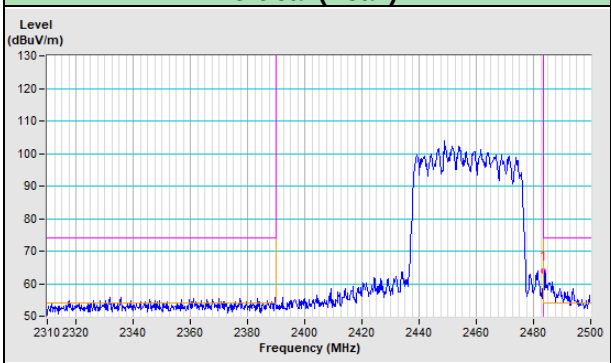
### Horizontal (Peak)



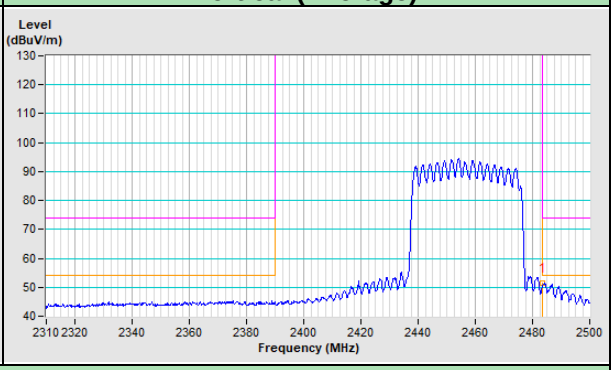

### Horizontal (Average)




### Vertical (Peak)

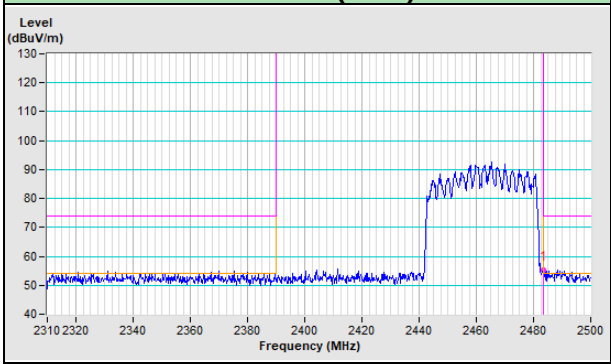



### Vertical (Average)

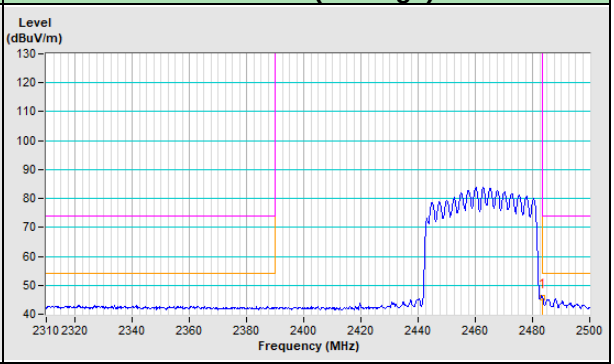



## 802.11ax (HE40) Channel 11

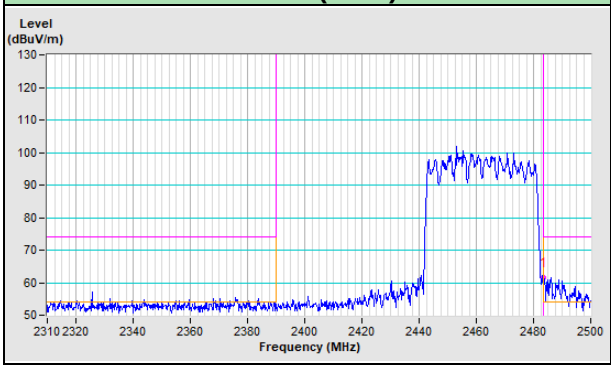
### Horizontal (Peak)



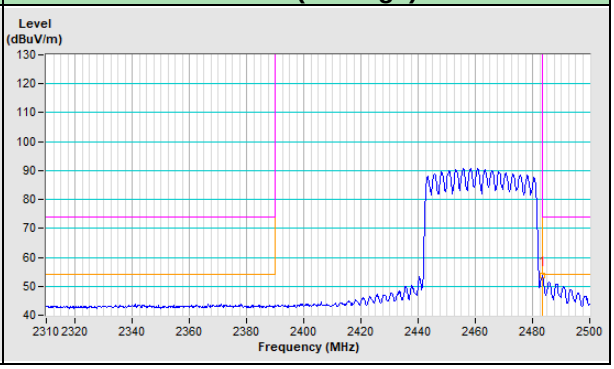

### Horizontal (Average)




### Vertical (Peak)




### Vertical (Average)



**Appendix – Information of the Testing Laboratories**

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

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


**Lin Kou EMC/RF Lab**
Tel: 886-2-26052180
Fax: 886-2-26051924

**Hsin Chu EMC/RF/Telecom Lab**
Tel: 886-3-6668565
Fax: 886-3-6668323

**Hwa Ya EMC/RF/Safety Lab**
Tel: 886-3-3183232
Fax: 886-3-3270892

**Email:** service.adt@tw.bureauveritas.com
**Web Site:** www.bureauveritas-adt.com


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

**--- END ---**