

# TEST REPORT

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Report Number: 2601V21493E-RFB  
FCC ID: 2A6J8-PF004E  
IC: 28436-PF004E

## Test Standard (s)

FCC PART 15.407; RSS-GEN ISSUE 5, FEBRUARY 2021 AMENDMENT 2; RSS-247 ISSUE 4, JULY 2025

## Sample Description

Product Type: X2D Pro  
Model No.: PF004-E  
Multiple Model(s) No.: N/A  
Trade Mark: N/A  
Date Received: 2026-07-23  
Issue Date: 2026-09-10

Test Result:

Pass<sup>▲</sup>

▲ In the configuration tested, the EUT complied with the standards above.

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Approved By:

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Note: The information marked \* is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

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DOCUMENT REVISION HISTORY

| Revision Number | Report Number   | Description of Revision | Date of Revision |
|-----------------|-----------------|-------------------------|------------------|
| 0               | 2601V21493E-RFB | Original Report         | 2026-09-10       |

## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>HVIN</b>                                   | PF004-E                                                                                                                         |
| <b>FVIN</b>                                   | N/A                                                                                                                             |
| <b>Frequency Range</b>                        | 5150-5250MHz; 5250-5350MHz; 5470-5725MHz; 5725-5850MHz                                                                          |
| <b>Mode</b>                                   | 802.11a/n20/n40                                                                                                                 |
| <b>Maximum Conducted Average Output Power</b> | 5150-5250MHz: 15.18dBm; 5250-5350MHz: 14.27dBm<br>5470-5725MHz: 10.62dBm; 5725-5850MHz: 12.28dBm                                |
| <b>Modulation Technique</b>                   | OFDM                                                                                                                            |
| <b>Antenna Specification<sup>#</sup></b>      | B1: 0.3dBi, B2: 0.82dBi, B3: -0.5dBi, B4:-1.7dBi<br>(provided by the applicant)                                                 |
| <b>Voltage Range</b>                          | AC 100-120V                                                                                                                     |
| <b>Sample serial number</b>                   | 3QJM-3 for AC Line Conducted Emissions and Radiated Emissions Test<br>3QJM-2 for RF Conducted Test (Assigned by BACL, Shenzhen) |
| <b>Sample/EUT Status</b>                      | Good condition                                                                                                                  |
| <b>Adapter Information</b>                    | N/A                                                                                                                             |

Note: The equipment is equipped with 2 types of AC-to-DC power supply modules, the manufacturers are MOSO and trelin. According to the report 2601V21493E-RFA, select the worst case MOSO to test AC Line Conducted Emissions and trelin to test Below 1GHz Radiated Emissions.

### Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts A and E of the Federal Communication Commissions rules and RSS-GEN Issue 5, February 2021 Amendment 2 and RSS-247 ISSUE 4, July 2025 of the Innovation, Science and Economic Development Canada rules.

### Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020+Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024▼, RSS-Gen and RSS-247.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

## Measurement Uncertainty

| Parameter                          |                            | Uncertainty                               |
|------------------------------------|----------------------------|-------------------------------------------|
| Occupied Channel Bandwidth         |                            | 52.29kHz(k=1.96, 95% level of confidence) |
| RF Frequency                       |                            | 81.235Hz(k=1.96, 95% level of confidence) |
| RF output power, conducted         |                            | 1.57dB(k=1.96, 95% level of confidence)   |
| Power Spectral Density             |                            | 2.09dB(k=1.96, 95% level of confidence)   |
| Conducted Spurious Emission        |                            | 2.48dB(k=1.96, 95% level of confidence)   |
| AC Power Lines Conducted Emissions | 9kHz~150 kHz               | 3.46dB(k=2, 95% level of confidence)      |
|                                    | 150 kHz ~30MHz             | 3.72dB(k=2, 95% level of confidence)      |
| Radiated Emissions                 | 0.009MHz~30MHz             | 3.66dB(k=2, 95% level of confidence)      |
|                                    | 30MHz~1000MHz (Horizontal) | 5.10dB(k=2, 95% level of confidence)      |
|                                    | 30MHz~1000MHz (Vertical)   | 6.28dB(k=2, 95% level of confidence)      |
|                                    | 1GHz - 6GHz                | 6.18dB(k=2, 95% level of confidence)      |
|                                    | 6GHz - 18GHz               | 6.62dB(k=2, 95% level of confidence)      |
|                                    | 18GHz - 40GHz              | 6.66dB(k=2, 95% level of confidence)      |
| Temperature                        |                            | $\pm 0.4^{\circ}\text{C}$                 |
| Humidity                           |                            | $\pm 2\%$                                 |
| Supply voltages                    |                            | DC $\pm 0.4\%$ ; AC $\pm 1\%$             |

*Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.*

## Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West), 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, test firm registration No.: 715558, the FCC Designation No. : CN5045.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0023.

## SYSTEM TEST CONFIGURATION

### Description of Test Configuration

The system was configured for testing in an engineering mode, which was provided by manufacturer.

For 5150-5250MHz Band, 6 channels are provided to testing:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 36      | 5180            | 44      | 5220            |
| 38      | 5190            | 46      | 5230            |
| 40      | 5200            | 48      | 5240            |

For 802.11a, 802.11n20 mode: channel 36, 40, 48 were tested;

For 802.11n40 mode: channel 38, 46 were tested;

For 5250-5350MHz Band, 6 channels are provided to testing:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 52      | 5260            | 60      | 5300            |
| 54      | 5270            | 62      | 5310            |
| 56      | 5280            | 64      | 5320            |

For 802.11a, 802.11n20 mode: channel 52, 56, 64 were tested;

For 802.11n40 mode: channel 54, 62 were tested;

For 5470-5725MHz Band, 18 channels are provided to testing:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 100     | 5500            | 124     | 5620            |
| 102     | 5510            | 126     | 5630            |
| 104     | 5520            | 128     | 5640            |
| 108     | 5540            | 132     | 5660            |
| 110     | 5550            | 134     | 5670            |
| 112     | 5560            | 136     | 5680            |
| 116     | 5580            | 140     | 5700            |
| 118     | 5590            | 142     | 5710            |
| 120     | 5600            | 144     | 5720            |

For 802.11a, 802.11n20 mode: channel 100, 116, 140, 144 were tested;

For 802.11n40 mode: channel 102, 110, 134, 142 were tested;

For 5725-5850MHz Band, 7 channels are provided to testing:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 149     | 5745            | 157     | 5785            |
| 151     | 5755            | 159     | 5795            |
| 153     | 5765            | 161     | 5805            |
| /       | /               | 165     | 5825            |

For 802.11a, 802.11n20 mode: channel 149, 157, 165 were tested;

For 802.11n40 mode: channel 151, 159 were tested;

**EUT Exercise Software**

| Exercise Software <sup>#</sup> | CMD           |                      |           |                          |
|--------------------------------|---------------|----------------------|-----------|--------------------------|
| 5150-5250 MHz Band             |               |                      |           |                          |
| Mode                           | Test Channels | Test Frequency (MHz) | Data rate | Power Level <sup>#</sup> |
| 802.11a                        | Low           | 5180                 | 6Mbps     | 22                       |
|                                | Middle        | 5200                 | 6Mbps     | 22                       |
|                                | High          | 5240                 | 6Mbps     | 22                       |
| 802.11n ht20                   | Low           | 5180                 | MCS0      | 25                       |
|                                | Middle        | 5200                 | MCS0      | 25                       |
|                                | High          | 5240                 | MCS0      | 25                       |
| 802.11n ht40                   | Low           | 5190                 | MCS0      | 19                       |
|                                | High          | 5230                 | MCS0      | 19                       |
| 5250-5350 MHz Band             |               |                      |           |                          |
| Mode                           | Test Channels | Test Frequency (MHz) | Data rate | Power Level <sup>#</sup> |
| 802.11a                        | Low           | 5260                 | 6Mbps     | 20                       |
|                                | Middle        | 5280                 | 6Mbps     | 20                       |
|                                | High          | 5320                 | 6Mbps     | 20                       |
| 802.11n ht20                   | Low           | 5260                 | MCS0      | 20                       |
|                                | Middle        | 5280                 | MCS0      | 20                       |
|                                | High          | 5320                 | MCS0      | 20                       |
| 802.11n ht40                   | Low           | 5270                 | MCS0      | 18                       |
|                                | High          | 5310                 | MCS0      | 18                       |
| 5470-5725 MHz Band             |               |                      |           |                          |
| Mode                           | Test Channels | Test Frequency (MHz) | Data rate | Power Level <sup>#</sup> |
| 802.11a                        | Low           | 5500                 | 6Mbps     | 12                       |
|                                | Middle        | 5580                 | 6Mbps     | 12                       |
|                                | High          | 5700                 | 6Mbps     | 12                       |
|                                | Cross         | 5720                 | 6Mbps     | 12                       |
| 802.11n ht20                   | Low           | 5500                 | MCS0      | 11                       |
|                                | Middle        | 5580                 | MCS0      | 11                       |
|                                | High          | 5700                 | MCS0      | 11                       |
|                                | Cross         | 5720                 | MCS0      | 11                       |
| 802.11n ht40                   | Low           | 5510                 | MCS0      | 13                       |
|                                | Middle        | 5550                 | MCS0      | 13                       |
|                                | High          | 5670                 | MCS0      | 13                       |
|                                | Cross         | 5710                 | MCS0      | 13                       |
| 5725-5850 MHz Band             |               |                      |           |                          |

| Mode         | Test Channels | Test Frequency (MHz) | Data rate | Power Level <sup>#</sup> |
|--------------|---------------|----------------------|-----------|--------------------------|
| 802.11a      | Low           | 5745                 | 6Mbps     | 18                       |
|              | Middle        | 5785                 | 6Mbps     | 18                       |
|              | High          | 5825                 | 6Mbps     | 18                       |
| 802.11n ht20 | Low           | 5745                 | MCS0      | 18                       |
|              | Middle        | 5785                 | MCS0      | 18                       |
|              | High          | 5825                 | MCS0      | 18                       |
| 802.11n ht40 | Low           | 5755                 | MCS0      | 18                       |
|              | High          | 5795                 | MCS0      | 18                       |

Note: The worst-case data rates are determined to be as above for each mode based upon investigation by measuring the power and PSD across all data rates bandwidths, and modulations.

### Special Accessories

No special accessory.

### Equipment Modifications

No modification was made to the EUT tested.

### Support Equipment List and Details

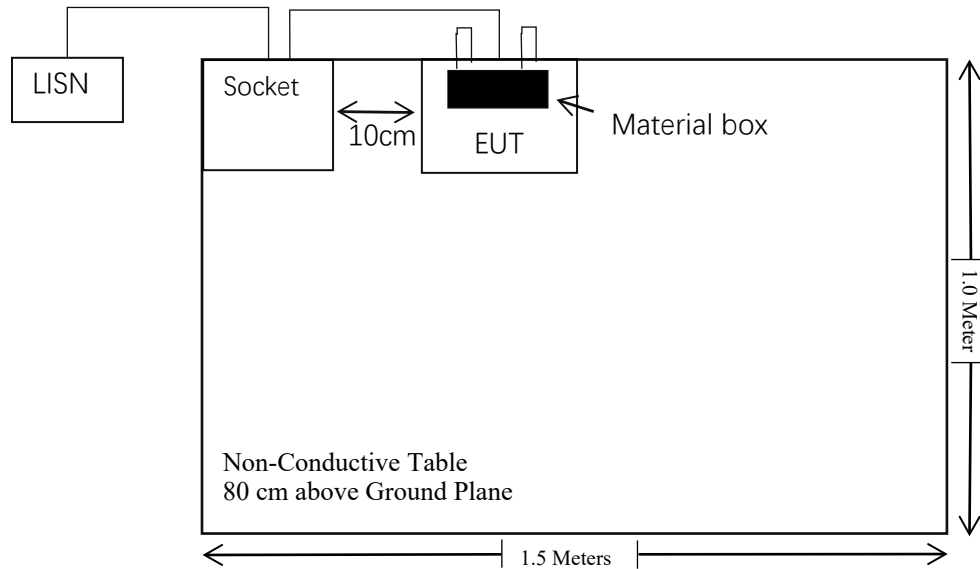
| Manufacturer | Description  | Model | Serial Number |
|--------------|--------------|-------|---------------|
| Tuozhu       | Material box | /     | /             |

### External I/O Cable

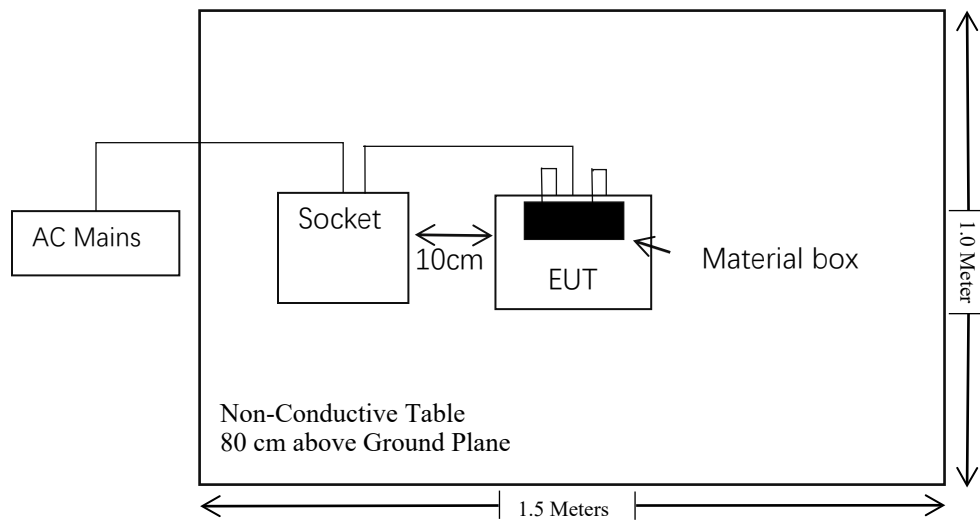
| Cable Description                 | Length (m) | From Port | To            |
|-----------------------------------|------------|-----------|---------------|
| Unshielded Un-detachable AC Cable | 1.2        | Socket    | LISN/AC Mains |
| Unshielded Detachable AC Cable    | 1.0        | EUT       | Socket        |
| Unshielded Detachable 485 Cable   | 1.0        | EUT       | Material box  |
| Unshielded Detachable 485 Cable   | 1.0        | EUT       | Material box  |

## Block Diagram of Test Setup

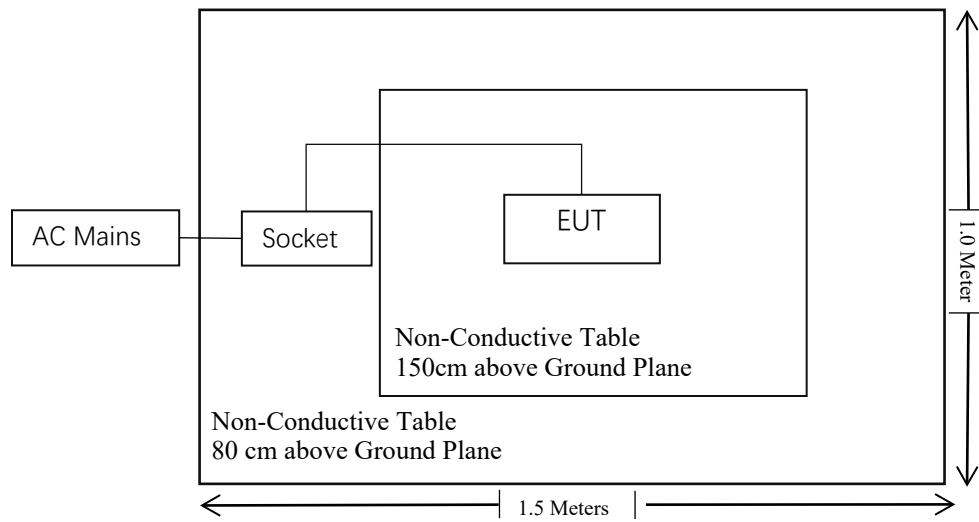
For AC Line Conducted Emissions:



For Radiated Emissions below 1GHz:



For Radiated Emissions above 1GHz:



## SUMMARY OF TEST RESULTS

| Test Rules                        | Test Rules                 | Description of Test                              | Result         |
|-----------------------------------|----------------------------|--------------------------------------------------|----------------|
| FCC §1.1307 & §2.1091             | /                          | MPE-Based Exemption                              | Compliant      |
| /                                 | RSS-102 § 6.6              | Field reference level exposure exemption limits  | Compliant      |
| FCC §15.203                       | RSS-Gen §6.8               | Antenna Requirement                              | Compliant      |
| FCC §15.207(a)                    | RSS-Gen §8.8               | AC Line Conducted Emissions                      | Compliant      |
| FCC §15.205& §15.209 & §15.407(b) | RSS-Gen §8.10& RSS-247§7.3 | Undesirable Emission& Restricted Bands           | Compliant      |
| FCC §15.407(a) (e)                | RSS- Gen§6.7, RSS-247 §7.3 | Emission Bandwidth & 99% Occupied Bandwidth      | Compliant      |
| FCC §15.407(a)                    | RSS-247 §7.3               | Conducted Transmitter Output Power               | Compliant      |
| FCC §15.407 (a)                   | RSS-247 §7.3               | Power Spectral Density                           | Compliant      |
| FCC §15.407 (h)                   | RSS-247 §7.3               | Transmit Power Control (TPC)                     | Not Applicable |
| /                                 | RSS-247 §7.3.2.3.b         | Unwanted emissions inside the band 5150-5250 MHz | Compliant      |
| FCC §15.407 (h)                   | RSS-247 §7.3.6             | Dynamic Frequency Selection (DFS)                | Compliant*     |
| /                                 | RSS-247 §7.3.7             | Additional requirement                           | Compliant      |
| C63.10 §12.2                      | C63.10 §12.2               | Duty Cycle                                       | /              |

Compliant\*: Please refer to the DFS report 2601V21493E-RF-00 for FCC and 2601V21493E-RF-08 for IC.

Not Applicable: For 5250-5350MHz/5470-5725MHz, the maximum EIRP is 15.09 dBm ≤ 27dBm (500mW).

## TEST EQUIPMENT LIST

| Manufacturer                            | Description                       | Model            | Serial Number          | Calibration Date | Calibration Due Date |
|-----------------------------------------|-----------------------------------|------------------|------------------------|------------------|----------------------|
| <b>AC Line Conducted Emissions Test</b> |                                   |                  |                        |                  |                      |
| Rohde & Schwarz                         | EMI Test Receiver                 | ESCI             | 101120                 | 2025/09/01       | 2026/08/31           |
| Rohde & Schwarz                         | LISN                              | ENV216           | 101613                 | 2025/09/18       | 2026/09/17           |
| Rohde & Schwarz                         | Transient Limiter                 | ESH3Z2           | DE25985                | 2025/09/18       | 2026/09/17           |
| Unknown                                 | CE Cable                          | Unknown          | UF A210B-1-0720-504504 | 2025/09/18       | 2026/09/17           |
| Audix                                   | EMI Test software                 | E3               | 191218 V9(c)           | NCR              | NCR                  |
| <b>Radiated Emissions Test</b>          |                                   |                  |                        |                  |                      |
| Rohde & Schwarz                         | EMI Test Receiver                 | ESR3             | 102455                 | 2025/09/01       | 2026/08/31           |
| Sonoma instrument                       | Pre-amplifier                     | 310 N            | 186238                 | 2025/09/08       | 2026/09/07           |
| Sunol Sciences                          | Broadband Antenna                 | JB1              | A040904-1              | 2026/06/26       | 2029/06/25           |
| Unknown                                 | Chamber A Cable                   | Cable A1         | Cable A1               | 2025/09/08       | 2026/09/07           |
| Unknown                                 | Chamber A Cable                   | Cable A2         | Cable A2               | 2025/09/08       | 2026/09/07           |
| BACL                                    | Active Loop Antenna               | 1313-1A          | 4031911                | 2024/05/14       | 2027/05/13           |
| Unknown                                 | Chamber A Cable                   | Cable A3         | Cable A3               | 2025/09/08       | 2026/09/07           |
| Unknown                                 | Chamber A Cable                   | Cable A4         | Cable A4               | 2025/09/08       | 2026/09/07           |
| Audix                                   | EMI Test software                 | E3               | 19821b(V9)             | NCR              | NCR                  |
| TDK                                     | Chamber                           | Chamber A        | 2#                     | 2026/07/03       | 2029/07/02           |
| Rohde & Schwarz                         | Spectrum Analyzer                 | FSV40            | 101605                 | 2025/09/01       | 2026/08/31           |
| A.H.System                              | Preamplifier                      | PAM-0118P        | 489                    | 2025/09/08       | 2026/09/07           |
| Schwarzbeck                             | Horn Antenna                      | BBHA9120D (1201) | 1143                   | 2026/07/15       | 2027/07/14           |
| Unknown                                 | Chamber B Cable                   | Cable B1         | Cable B1               | 2025/09/08       | 2026/09/07           |
| Unknown                                 | Chamber B Cable                   | Cable B3         | Cable B3               | 2025/09/08       | 2026/09/07           |
| JD                                      | Filter Switch Unit                | DT7220FSU        | DS79906                | 2026/06/23       | 2027/06/22           |
| JD                                      | Multiplex Switch Test Control Set | DT7220SCU        | DS79903                | 2026/06/23       | 2027/06/22           |
| Audix                                   | EMI Test software                 | E3               | 191218 V9(c)           | NCR              | NCR                  |
| TDK                                     | Chamber                           | Chamber B        | 1#                     | 2026/07/06       | 2029/07/05           |
| Unknown                                 | Chamber B Cable                   | Cable B6         | Cable B6               | 2026/07/06       | 2027/07/05           |

| Manufacturer             | Description                 | Model      | Serial Number | Calibration Date | Calibration Due Date |
|--------------------------|-----------------------------|------------|---------------|------------------|----------------------|
| A.H.System               | Pre-amplifier               | PAM-1840VH | 190           | 2025/09/08       | 2026/09/07           |
| Electro-Mechanics Co     | Horn Antenna                | 3116       | 9510-2270     | 2023/09/18       | 2026/09/17           |
| Unknown                  | Chamber B Cable             | Cable B4   | Cable B4      | 2025/09/17       | 2026/09/16           |
| Unknown                  | Chamber B Cable             | Cable B5   | Cable B5      | 2025/09/17       | 2026/09/16           |
| <b>RF Conducted Test</b> |                             |            |               |                  |                      |
| Rohde & Schwarz          | Spectrum Analyzer           | FSV40      | 101942        | 2025/09/01       | 2026/08/31           |
| Rohde & Schwarz          | Spectrum Analyzer           | FSV40      | 101942        | 2026/08/26       | 2027/08/25           |
| JD                       | JD Auto Test software       | NA         | 1.0.0.3769    | NCR              | NCR                  |
| ANRITSU                  | Microwave peak power sensor | MA24418A   | 12622         | 2025/09/01       | 2026/08/31           |
| Unknown                  | 10dB Attenuator             | Unknown    | F-03-EM224    | 2026/06/24       | 2027/06/23           |

**\* Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

## REQUIREMENTS AND TEST PROCEDURES

### AC Line Conducted Emissions

#### Applicable Standard

FCC §15.207 & RSS-Gen §8.8

Unless stated otherwise in the applicable RSS, for radio apparatus that are designed to be connected to the public utility AC power network, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the range 150 kHz to 30 MHz shall not exceed the limits in table 4, as measured using a 50  $\mu$ H / 50  $\Omega$  line impedance stabilization network. This requirement applies for the radio frequency voltage measured between each power line and the ground terminal of each AC power-line mains cable of the EUT.

For an EUT that connects to the AC power lines indirectly, through another device, the requirement for compliance with the limits in table 4 shall apply at the terminals of the AC power-line mains cable of a representative support device, while it provides power to the EUT. The lower limit applies at the boundary between the frequency ranges. The device used to power the EUT shall be representative of typical applications.

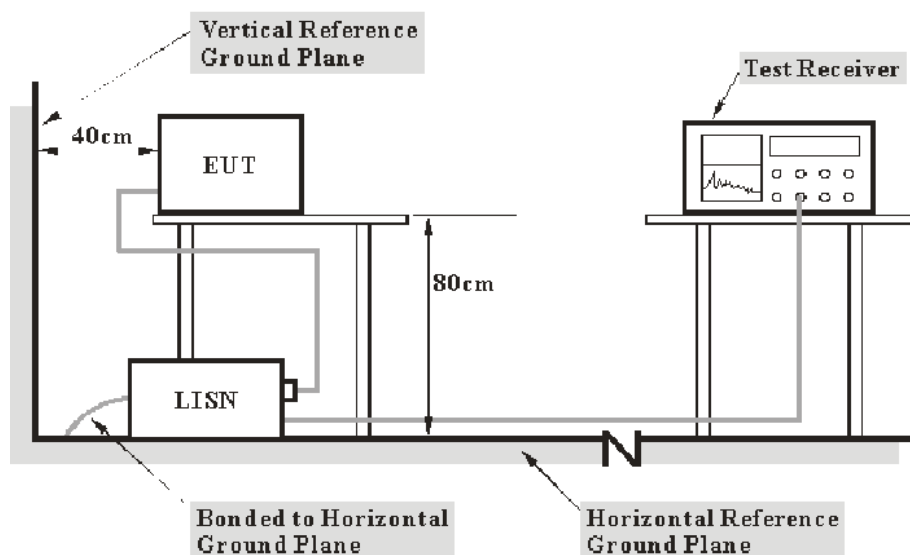
| Table 4 - AC Power Lines Conducted Emission Limits |                              |                       |
|----------------------------------------------------|------------------------------|-----------------------|
| Frequency range<br>(MHz)                           | Conducted limit (dB $\mu$ V) |                       |
|                                                    | Quasi-Peak                   | Average               |
| 0.15 – 0.5                                         | 66 to 56 <sup>1</sup>        | 56 to 46 <sup>1</sup> |
| 0.5 – 5                                            | 56                           | 46                    |
| 5 – 30                                             | 60                           | 50                    |

**Note 1:** The level decreases linearly with the logarithm of the frequency.

For an EUT with a permanent or detachable antenna operating between 150 kHz and 30 MHz, the AC power-line conducted emissions must be measured using the following configurations:

- Perform the AC power-line conducted emissions test with the antenna connected to determine compliance with the limits of table 4 outside the transmitter's fundamental emission band.
- Retest with a dummy load instead of the antenna to determine compliance with the limits of table 4 within the transmitter's fundamental emission band. For a detachable antenna, remove the antenna and connect a suitable dummy load to the antenna connector. For a permanent antenna, remove the antenna and terminate the RF output with a dummy load or network that simulates the antenna in the fundamental frequency band.

## EUT Setup



- Note: 1. Support units were connected to second LISN.  
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207 & RSS-247/RSS-Gen limits.

The spacing between the peripherals was 10 cm.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

## EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range  | RBW   |
|------------------|-------|
| 150 kHz – 30 MHz | 9 kHz |

## Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN; the other related equipments were connected to the other LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and Average detection mode.

**Factor & Over Limit Calculation**

The factor is calculated by adding LISN VDF (Voltage Division Factor) and Cable Loss. The basic equation is as follows:

$$\text{Factor} = \text{LISN VDF} + \text{Cable Loss}$$

The “**Over limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

$$\begin{aligned}\text{Over Limit} &= \text{Level} - \text{Limit} \\ \text{Level} &= \text{Read Level} + \text{Factor}\end{aligned}$$

Note: The term "cable loss" refers to the combination of a cable and a 10dB transient limiter (attenuator).

## Undesirable Emission & Restricted Bands

### Applicable Standard

FCC §15.407 (b); §15.209; §15.205;

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
  - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

According to RSS-247§7.3

Frequency band 5150-5250 MHz

#### 7.3.1.3 Unwanted emission limits

For transmitters with operating frequencies in the band 5150-5250 MHz:

- a. all emissions outside the 5150-5350 MHz band shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density;
- b. any unwanted emissions that falls between the upper edge of the 26 dB bandwidth and 5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth.
- c. if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing DFS (see section 7.3.6) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

Frequency band 5250-5350 MHz

#### 7.3.2.3 Unwanted emission limits

Devices shall comply with the following:

- a. all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz peak e.i.r.p spectral density.
- b. all emissions inside the band 5150-5250 MHz shall either:
  - i. not exceed -27 dBm/MHz peak e.i.r.p spectral density, or
  - ii. comply with the power spectral density for operation in section 7.3.1.2.

## Frequency band 5470-5725 MHz

## 7.3.3.3 Unwanted emission limits

Equipment operating in the bands 5470-5725 MHz shall comply with the following unwanted emission limits:

- for devices with fundamental emissions fully contained within the 5470-5725 MHz band, all unwanted emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density.
- for devices with bandwidth overlapping the band edge of 5725 MHz, all unwanted emissions shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density at 5850 MHz instead of 5725 MHz.

## Frequency band 5725-5850 MHz

## 7.3.4.4 Unwanted emission limits

Equipment operating in the band 5725-5850 MHz shall comply with the following peak e.i.r.p. spectral density limits:

- 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- 27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

According to RSS-Gen §8.10

Restricted frequency bands, identified in table 7, are designated primarily for safety-of-life services (distress calling and certain aeronautical activities), certain satellite downlinks, radio astronomy and some government uses. Except where otherwise indicated, the following conditions related to the restricted frequency bands apply:

- The transmit frequency, including fundamental components of modulation, of license-exempt radio apparatus shall not fall within the restricted frequency bands listed in table 7 except for apparatus compliant with RSS-287.
- Unwanted emissions that fall into restricted frequency bands listed in table 7 shall comply with the limits specified in table 5 and table 6.
- Unwanted emissions that do not fall within the restricted frequency bands listed in table 7 shall comply either with the limits specified in the applicable RSS or with those specified in table 5 and table 6.

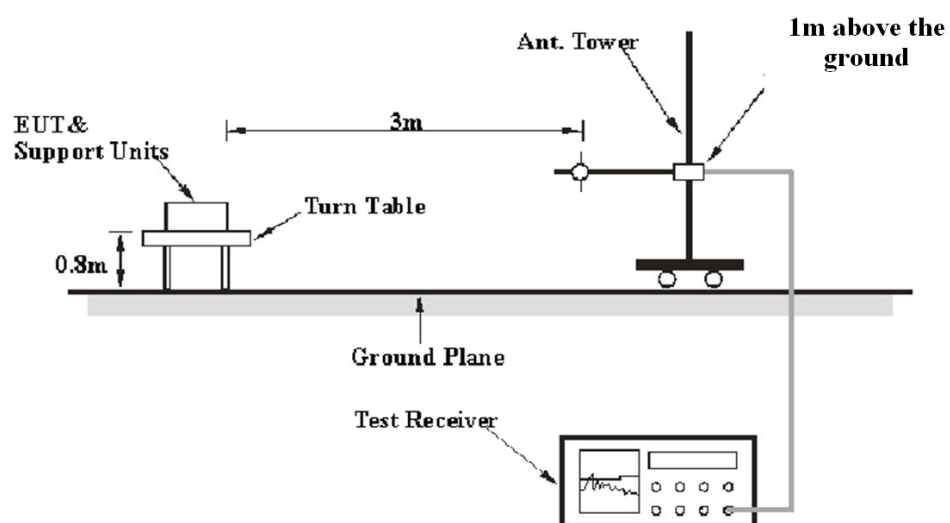
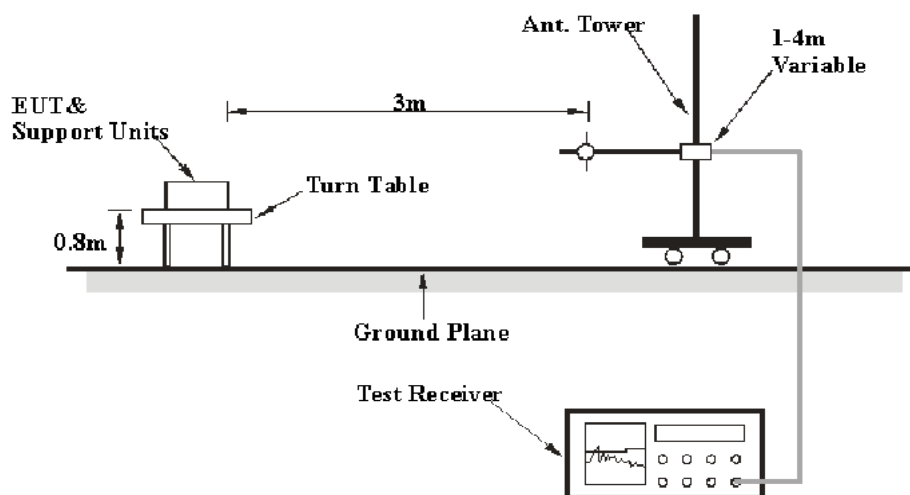
**Table 5 – General field strength limits at frequencies above 30 MHz**

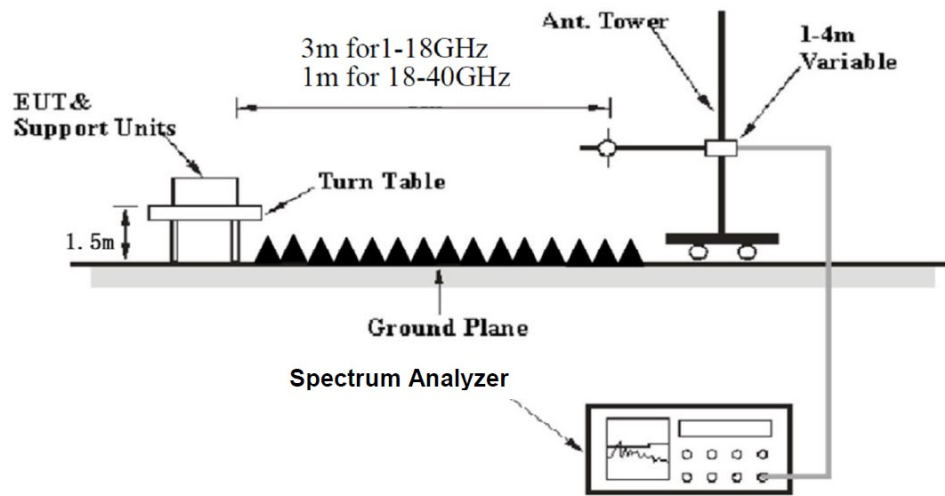
| Frequency (MHz) | Field strength (µV/m at 3 m) |
|-----------------|------------------------------|
| 30 – 88         | 100                          |
| 88 – 216        | 150                          |
| 216 – 960       | 200                          |
| Above 960       | 500                          |

**Table 6 – General field strength limits at frequencies below 30 MHz**

| Frequency                     | Magnetic field strength (H-Field) (µA/m) | Measurement distance (m) |
|-------------------------------|------------------------------------------|--------------------------|
| 9 - 490 kHz <sup>Note 1</sup> | 6.37/F (F in kHz)                        | 300                      |
| 490 - 1705 kHz                | 63.7/F (F in kHz)                        | 30                       |
| 1.705 - 30 MHz                | 0.08                                     | 30                       |

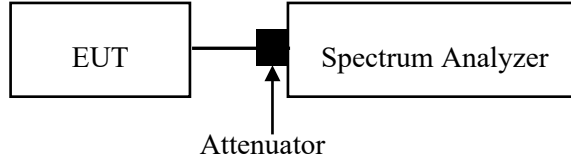
**Note 1:** The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

**EUT Setup****9 kHz-30MHz:****30MHz-1GHz:**

**Above 1 GHz:**

The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC 15.209, FCC 15.407, RSS-247 and RSS-Gen limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

**26dB attenuated below the channel power:****EMI Test Receiver & Spectrum Analyzer Setup**

The system was investigated from 9 kHz to 40 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

**9 kHz-1GHz:**

| Frequency Range   | RBW     | Video B/W | IF B/W  | Measurement | Detector |
|-------------------|---------|-----------|---------|-------------|----------|
| 9 kHz – 150 kHz   | /       | /         | 200 Hz  | QP          | QP       |
|                   | 300 Hz  | 1 kHz     | /       | PK          | Peak     |
| 150 kHz – 30 MHz  | /       | /         | 9 kHz   | QP          | QP       |
|                   | 10 kHz  | 30 kHz    | /       | PK          | Peak     |
| 30 MHz – 1000 MHz | /       | /         | 120 kHz | QP          | QP       |
|                   | 120 kHz | 500 kHz   | /       | PK          | Peak     |

1-40GHz:

Pre-scan

| Measurement | Duty cycle | RBW  | Video B/W                  | Detector |
|-------------|------------|------|----------------------------|----------|
| PK          | Any        | 1MHz | 3 MHz                      | Peak     |
| AV          | >98%       | 1MHz | 1 kHz                      | Peak     |
|             | <98%       | 1MHz | >1/Ton, not less than 1kHz | Peak     |

Final measurement for emission identified during pre-scan

| Measurement | Duty cycle | RBW  | Video B/W           | Detector |
|-------------|------------|------|---------------------|----------|
| PK          | Any        | 1MHz | 3 MHz               | Peak     |
| AV          | >98%       | 1MHz | 10 Hz               | Peak     |
|             | <98%       | 1MHz | $\geq 1/\text{Ton}$ | Peak     |

Note: Ton is minimum transmission duration

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

26dB attenuated below the channel power:

| RBW                    | Video B/W                 | Measurement |
|------------------------|---------------------------|-------------|
| (1%-5%)* 99% Bandwidth | $\geq 3 \cdot \text{RBW}$ | Average     |

Note: The limit was calculated by attenuated below the channel power by at least 26 dB per RSS-247 §7.3.1.3

## Test Procedure

### Radiated Spurious Emission

During the radiated emission test, the adapter was connected to the AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all the installation combinations.

All final data was recorded in Quasi-peak detection mode except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz, average detection modes for frequency bands 9–90 kHz and 110–490 kHz, peak and average detection modes for frequencies above 1 GHz.

For 9 kHz-30MHz, the report shall list the six emissions with the smallest margin relative to the limit, for each of the three antenna orientations (parallel, perpendicular, and ground-parallel) unless the margin is greater than 20 dB.

According to ANSI C63.10-2020,9.2.1: For field strength measurements made at other than the distance specified by the limit, extrapolate the measured field strength to the field strength at the distance specified by the limit using an inverse distance correction factor (20 dB/decade of distance)

$$E_{\text{SpecLimit}} = E_{\text{Meas}} + 20 \log \left( \frac{d_{\text{Meas}}}{d_{\text{SpecLimit}}} \right)$$

where

|                        |                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------|
| $E_{\text{SpecLimit}}$ | is the field strength of the emission at the distance specified by the limit, in dB $\mu$ V/m |
| $E_{\text{Meas}}$      | is the field strength of the emission at the measurement distance, in dB $\mu$ V/m            |
| $d_{\text{Meas}}$      | is the measurement distance, in m                                                             |
| $d_{\text{SpecLimit}}$ | is the distance specified by the limit, in m                                                  |

So the extrapolation factor of 1m is  $20 \cdot \log(1/3) = -9.5$  dB, for 18-40GHz range, the limit of 1m distance was added by 9.5dB from limit of 3m to compared with the result measurement at 1m distance.

### Factor & Over Limit/Margin Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Over Limit/Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

$$\begin{aligned} \text{Over Limit} &= \text{Level} - \text{Limit}; \text{Margin} = \text{Limit} - \text{Corrected Amplitude} \\ \text{Level} / \text{Corrected Amplitude} &= \text{Read Level} + \text{Factor} \end{aligned}$$

## Emission Bandwidth & 99% Occupied Bandwidth

### Applicable Standard

According to FCC §15.407(a) (13), the maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

According to FCC §15.407(e), Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

According to RSS-GEN § 6.7 & RSS-247 §7.3.

7.3.4.2 For equipment operating in the band 5725-5850 MHz, the 6 dB bandwidth shall be at least 500 kHz.

### Test Procedure

According to ANSI C63.10-2020 Section 12.5.1 & 12.5.2 & 12.5.3

#### 12.5.1 Emission bandwidth for the band 5.725 GHz to 5.85 GHz

The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW)  $\geq 3 \times$  RBW.
- c) Detector = Peak.
- d) Trace mode = max-hold.
- e) Sweep = No faster than coupled (auto) time.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

#### 12.5.2 Emission bandwidth for all other bands

The procedure for this method is as follows:

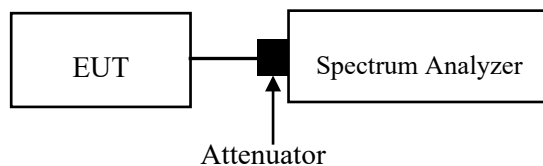
- a) Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
- b) Set the VBW  $>$  RBW.
- c) Detector = peak.
- d) Trace mode = max-hold.
- e) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is in the range of 1% to 5%.

### 12.5.3 Occupied bandwidth

See 6.9.3 for the measurement procedure for OBW.

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be at least three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than  $[10 \log (OBW/RBW)]$  below the reference level. Specific guidance is given in 4.1.6.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max-hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing spectral plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).



Note: Offset (10.5dB) = Attenuator (10dB) + Cable loss (0.5dB)

## Transmitter Output Power

### Applicable Standard

According to FCC §15.407(a)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple colocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

According to RSS-247 §7.3:

### Frequency band 5150-5250 MHz

7.3.1.2 For all other devices the maximum e.i.r.p. spectral density shall not exceed 10 dBm/MHz. The maximum e.i.r.p. shall not exceed the lesser of:

- a. 200 mW; or
- b.  $10 + 10 \log_{10} B$ , dBm.

**Frequency band 5250-5350 MHz**

7.3.2.2 All other devices shall comply with the following:

- a. the maximum power spectral density shall not exceed 11 dBm/MHz and the maximum conducted output power shall not exceed the lesser of:
  - i. 250 mW; or
  - ii.  $11 + 10 \log_{10} B$ , dBm.
- b. the maximum e.i.r.p. shall not exceed the lesser of:
  - i. 1.0 W; or
  - ii.  $17 + 10 \log_{10} B$ , dBm.
- c. Devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W

**Frequency band 5470-5725MHz**

7.3.3.2 Equipment operating in the band 5470-5725 MHz shall comply with the following power limits:

- a. the maximum conducted output power shall not exceed the lesser of:
  - i. 250 mW; or
  - ii.  $11 + 10 \log_{10} B$ , dBm.
- b. the maximum power spectral density shall not exceed 11 dBm/MHz.
- c. the maximum e.i.r.p. shall not exceed the lesser of:
  - i. 1.0 W; or
  - ii.  $17 + 10 \log_{10} B$ , dBm.
- d. equipment with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

**Frequency band 5725-5850 MHz**

7.3.4.3 Equipment operating in the band 5725-5850 MHz shall comply with the following power limits:

- a. the maximum conducted output power shall not exceed 1 W; and
- b. the maximum output power spectral density shall not exceed 30 dBm/500 kHz.

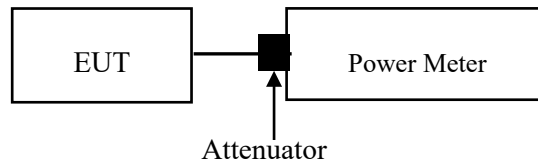
When using transmitting antennas with a directional gain exceeding 6 dBi, the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

However, FFTP devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter maximum conducted output power and the power spectral density. FFTP operations exclude the use of PTMP systems, omnidirectional applications and multiple collocated transmitters transmitting the same information. However, remote stations of PTMP systems shall be permitted to operate at e.i.r.p. greater than 4 W under the same conditions as for FFTP systems.

**Test Procedure**

According to ANSI C63.10-2020 Section 12.4.3.2 Method PM-G

- a. Place the EUT on a bench and set it in transmitting mode.
- b. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.



Note 1: A short RF cable with low cable loss connected to the EUT antenna port, which was provided by client or lab, the cable loss was add with offset into test equipment, the total offset consists of attenuator and/or RF cable and/or power splitter loss

Note 2: Offset (10.5dB) = Attenuator (10dB) + Cable loss (0.5dB)

## Power Spectral Density

According to FCC §15.407(a)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

According to RSS-247 §7.3:

### Frequency band 5150-5250 MHz

7.3.1.2 For all other devices the maximum e.i.r.p. spectral density shall not exceed 10 dBm/MHz. The maximum e.i.r.p. shall not exceed the lesser of:

- a. 200 mW; or
- b.  $10 + 10 \log_{10} B$ , dBm.

**Frequency band 5250-5350 MHz**

7.3.2.2 All other devices shall comply with the following:

- a. the maximum power spectral density shall not exceed 11 dBm/MHz and the maximum conducted output power shall not exceed the lesser of:
  - i. 250 mW; or
  - ii.  $11 + 10 \log_{10} B$ , dBm.
- b. the maximum e.i.r.p. shall not exceed the lesser of:
  - i. 1.0 W; or
  - ii.  $17 + 10 \log_{10} B$ , dBm.
- c. Devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W

**Frequency band 5470-5725MHz**

7.3.3.2 Equipment operating in the band 5470-5725 MHz shall comply with the following power limits:

- a. the maximum conducted output power shall not exceed the lesser of:
  - i. 250 mW; or
  - ii.  $11 + 10 \log_{10} B$ , dBm.
- b. the maximum power spectral density shall not exceed 11 dBm/MHz.
- c. the maximum e.i.r.p. shall not exceed the lesser of:
  - i. 1.0 W; or
  - ii.  $17 + 10 \log_{10} B$ , dBm.
- d. equipment with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

**Frequency band 5725-5850 MHz**

7.3.4.3 Equipment operating in the band 5725-5850 MHz shall comply with the following power limits:

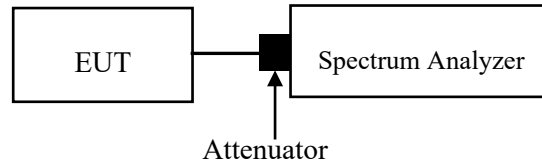
- a. the maximum conducted output power shall not exceed 1 W; and
- b. the maximum output power spectral density shall not exceed 30 dBm/500 kHz.

When using transmitting antennas with a directional gain exceeding 6 dBi, the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

However, FFTP devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter maximum conducted output power and the power spectral density. FFTP operations exclude the use of PTMP systems, omnidirectional applications and multiple collocated transmitters transmitting the same information. However, remote stations of PTMP systems shall be permitted to operate at e.i.r.p. greater than 4 W under the same conditions as for FFTP systems.

**Test Procedure**

According to ANSI C63.10-2020 Clause 12.6 Method SA-2 should be applied



Note 1: A short RF cable with low cable loss connected to the EUT antenna port, which was provided by client or lab, the cable loss was add with offset into test equipment, the total offset consists of attenuator and/or RF cable and/or power splitter loss

Note 2: Offset (10.5dB) = Attenuator (10dB) + Cable loss (0.5dB)

**Unwanted emissions inside the band 5150-5250 MHz****Applicable Standard****Frequency band 5250-5350 MHz**

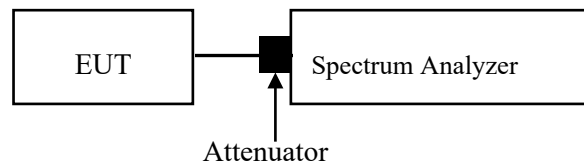
RSS-247 §7.3.2.3.b, devices shall comply with the following:

All emissions inside the band 5150-5250 MHz shall either:

- i. not exceed -27 dBm/MHz peak e.i.r.p spectral density, or
- ii. comply with the power spectral density for operation in section 7.3.1.2.

**Test Procedure**

According to ANSI C63.10-2020 Clause 12.6 Method SA-2 should be applied



Note 1: A short RF cable with low cable loss connected to the EUT antenna port, which was provided by client or lab, the cable loss was add with offset into test equipment, the total offset consists of attenuator and/or RF cable and/or power splitter loss

Note 2: Offset = Attenuator (10dB) + Cable loss (0.5dB) + Antenna Gain

## Additional Requirements

### Applicable Standard

According to RSS-247 Clause 7.3.7 Additional requirement

The following requirements shall apply:

- a. the device shall automatically discontinue transmission in cases of absence of information to transmit, or operational failure. A description on how this is done shall accompany the application for equipment certification. Note that this is not intended to prohibit transmission of control or signalling information or the use of repetitive codes where required by the technology.
- b. all LE-LAN devices must contain security features to protect against modification of software by unauthorized parties.

Manufacturers must implement security features in any digitally modulated devices capable of operating in any of the frequency ranges within the 5 GHz band, so that third parties are not able to reprogram the device to operate outside the parameters for which the device was certified. The software must prevent the user from operating the transmitter with operating frequencies, output power, modulation types or other radio frequency parameters outside those that were approved for the device. Manufacturers may use various means, including the use of a private network that allows only authenticated users to download software, electronic signatures in software or coding in hardware that is decoded by software to verify that new software can be legally loaded into a device to meet these requirements and must describe the methods in their application for equipment certification.

Manufacturers must take steps to ensure that DFS functionality cannot be disabled by the operator of the LE-LAN device.

- c. the user manual for LE-LAN devices shall contain instructions related to the restrictions mentioned in the above sections, namely that:
  - i. any devices capable of operating in the band 5150–5250 MHz shall only be used indoors to reduce the potential for harmful interference to co-channel mobile satellite systems (this requirement does not apply to OEM devices installed in vehicles by vehicle manufacturers);
  - ii. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
  - iii. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; and
  - iv. where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 7.3.2.4 or 7.3.5.3 shall be clearly indicated.

**Result****Pass**

RSS-247 Clause 7.3.7 a):

The device shall automatically discontinue transmission in cases of absence of information to transmit, or operation failure. In addition, when the device recognizes that it is in an outdoor environment, it must automatically terminate transmission in the 5150-5250 MHz frequency band. Please refer to declaration.

RSS-247 Clause 7.3.7 b):

The device must contain security features to protect against modification of software by unauthorized parties. Please refer to declaration.

RSS-247 Clause 7.3.7 c):

1. Compliant, please refer to the User Manual.
2. Not Applicable, the device has no detachable antenna.
3. Not Applicable, the device has no detachable antenna.
4. Compliant, please refer to the antenna information and output power section.

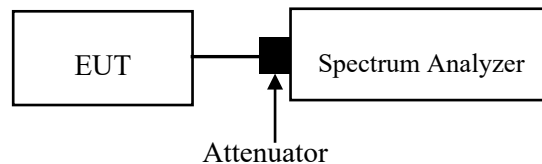
## Duty Cycle

### Test Procedure

According to ANSI C63.10-2020 Section 12.2

Measurements of duty cycle and transmission duration shall be performed using one of the following techniques:

- a) A diode detector and an oscilloscope that together have a sufficiently short response time to permit accurate measurements of the ON and OFF times of the transmitted signal.
- b) The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:
  - 1) Set the center frequency of the instrument to the center frequency of the transmission.
  - 2) Set  $RBW \geq OBW$  if possible; otherwise, set RBW to the largest available value.
  - 3) Set  $VBW \geq RBW$ . Set detector = peak or average.
  - 4) The zero-span measurement method shall not be used unless both RBW and VBW are  $> 50/T$  and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if  $T \leq 16.7 \mu s$ .)



Note: Offset (10.5dB) = Attenuator (10dB) + Cable loss (0.5dB)

## RF EXPOSURE EVALUATION

### MPE-Based Exemption

#### Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

According to KDB 447498 D04 v01 Interim General RF Exposure Guidance

MPE-Based Exemption:

General frequency and separation-distance dependent MPE-based effective radiated power(ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(3)(i)(C)] to support an exemption from further evaluation from 300 kHz through 100 GHz.

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

| RF Source frequency (MHz) | Threshold ERP (watts) |
|---------------------------|-----------------------|
| 0.3-1.34                  | $1,920 R^2$ .         |
| 1.34-30                   | $3,450 R^2/f^2$ .     |
| 30-300                    | $3.83 R^2$ .          |
| 300-1,500                 | $0.0128 R^2 f$ .      |
| 1,500-100,000             | $19.2 R^2$ .          |

R is the minimum separation distance in meters

f = frequency in MHz

### Result

| Mode       | Frequency (MHz) | Tune up conducted power <sup>#</sup> (dBm) | Antenna Gain <sup>#</sup> |       | ERP   |        | Evaluation Distance (m) | ERP Limit (mW) |
|------------|-----------------|--------------------------------------------|---------------------------|-------|-------|--------|-------------------------|----------------|
|            |                 |                                            | (dBi)                     | (dBd) | (dBm) | (mW)   |                         |                |
| 2.4G Wi-Fi | 2412-2462       | 22                                         | 3.1                       | 0.95  | 22.95 | 197.24 | 0.2                     | 768            |
| 5G Wi-Fi   | 5180-5240       | 16                                         | 0.3                       | -1.85 | 14.15 | 26.00  | 0.2                     | 768            |
|            | 5260-5320       | 15                                         | 0.82                      | -1.33 | 13.67 | 23.28  | 0.2                     | 768            |
|            | 5500-5720       | 11                                         | -0.5                      | -2.65 | 8.35  | 6.84   | 0.2                     | 768            |
|            | 5745-5825       | 13                                         | -1.7                      | -3.85 | 9.15  | 8.22   | 0.2                     | 768            |

Note1: The tune up conducted power<sup>#</sup> and antenna gain<sup>#</sup> was declared by the applicant.

Note2: 2.4G and 5G Wi-Fi cannot be transmitted synchronously.

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

**Result: Compliant**

## Field reference level exposure exemption limits

### Applicable Standard

According to RSS-102 Issue 6§6.6:

Field reference level (FRL) exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm (i.e. mobile devices), except when the device operates as follows:

- below 20 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 1 W (adjusted for tune-up tolerance)
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than  $4.49/f^{0.5}$  W (adjusted for tune-up tolerance), where  $f$  is in MHz
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance)
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than  $1.31 \times 10^{-2} f^{0.6834}$  W (adjusted for tune-up tolerance), where  $f$  is in MHz
- at or above 6 GHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 5 W (adjusted for tune-up tolerance) In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the EIRP was derived.

### Calculated Data:

| Mode       | Frequency (MHz) | Maximum tune-up conducted power <sup>#</sup> (dBm) | Antenna Gain <sup>#</sup> | Maximum tune-up EIRP |        | Evaluation Distance (m) | Limit (mW) |
|------------|-----------------|----------------------------------------------------|---------------------------|----------------------|--------|-------------------------|------------|
|            |                 |                                                    | (dBi)                     | (dBm)                | (mW)   |                         |            |
| 2.4G Wi-Fi | 2412-2462       | 22                                                 | 3.1                       | 25.1                 | 323.59 | 0.2                     | 2684       |
| 5G Wi-Fi   | 5180-5240       | 16                                                 | 0.3                       | 16.3                 | 42.66  | 0.2                     | 4525       |
|            | 5260-5320       | 15                                                 | 0.82                      | 15.82                | 38.19  | 0.2                     | 4573       |
|            | 5500-5720       | 11                                                 | -0.5                      | 10.5                 | 11.22  | 0.2                     | 4714       |
|            | 5745-5825       | 13                                                 | -1.7                      | 11.3                 | 13.49  | 0.2                     | 4857       |

Note1: The tune up conducted power<sup>#</sup> and antenna gain<sup>#</sup> was declared by the applicant.

Note2: 2.4G and 5G Wi-Fi cannot be transmitted synchronously.

### Result: Compliant

Note: To maintain compliance with the RF exposure guidelines, place the equipment at least 20cm from nearby persons.

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## ANTENNA REQUIREMENT

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### Applicable Standard

According to FCC § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

According to RSS-Gen §6.8,

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer.

The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISSED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

**Antenna Connector Construction**

The EUT has one internal antenna arrangement, which was permanently attached, the antenna gain<sup>#</sup> is shown in the table below , fulfill the requirement of this section. Please refer to the EUT photos.

| Antenna Type | Antenna Gain <sup>#</sup> | Impedance | Frequency Range |
|--------------|---------------------------|-----------|-----------------|
| FPC          | 0.3 dBi                   | 50Ω       | 5150-5250 MHz   |
| FPC          | 0.82 dBi                  | 50Ω       | 5250-5350 MHz   |
| FPC          | -0.5 dBi                  | 50Ω       | 5470-5725 MHz   |
| FPC          | -1.7 dBi                  | 50Ω       | 5725-5850 MHz   |

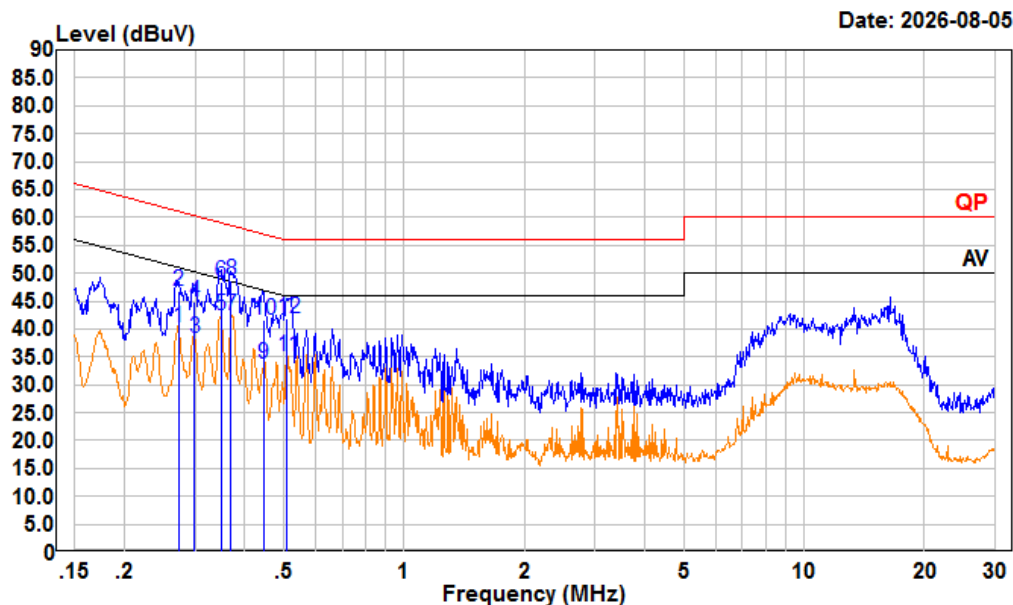
**Result: Compliant**

## TEST DATA AND RESULTS

### AC Line Conducted Emissions

|                               |                                                                       |                                  |          |
|-------------------------------|-----------------------------------------------------------------------|----------------------------------|----------|
| <b>Temperature<br/>(°C)</b>   | 24.9                                                                  | <b>Relative Humidity<br/>(%)</b> | 68       |
| <b>ATM Pressure<br/>(kPa)</b> | 99.8                                                                  | <b>Test engineer</b>             | Macy Shi |
| <b>Test date</b>              | 2026.08.05                                                            |                                  |          |
| <b>EUT operation mode</b>     | Transmitting (Maximum output power mode, Band 1 802.11a High Channel) |                                  |          |

## AC 120V 60 Hz, Line\_MOSO



Condition: Line

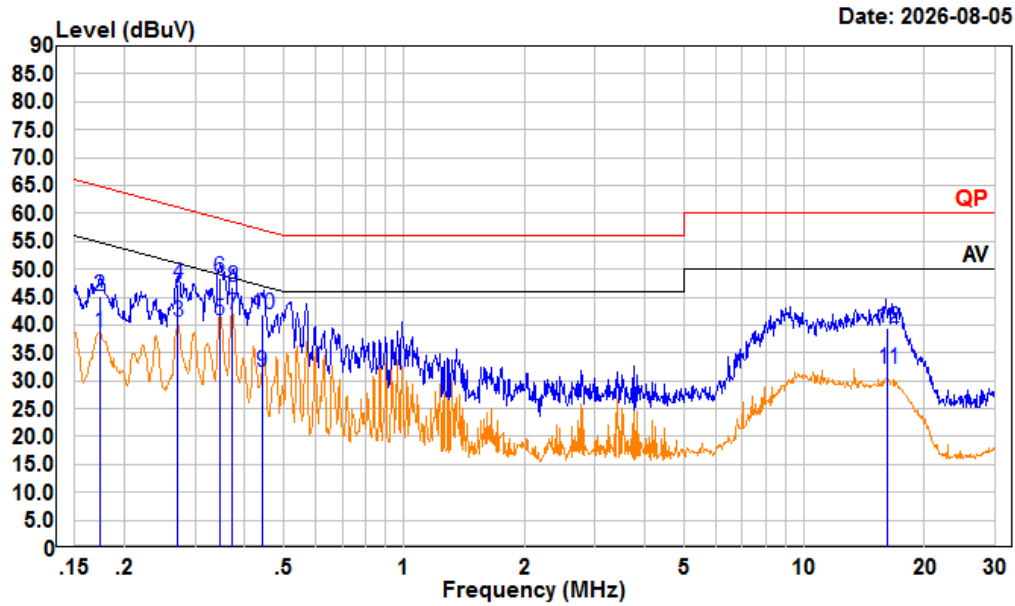
Project : 2601V21493E-RF

tester : Macy.shi Note:5G WIFI Transmitting

Setting : RBW:9kHz

|    | Freq  | Read Level | Level | LISN Factor | Cable Loss | Limit Line | Over Limit | Remark  |
|----|-------|------------|-------|-------------|------------|------------|------------|---------|
|    | MHz   | dBuV       | dBuV  | dB          | dB         | dBuV       | dB         |         |
| 1  | 0.273 | 20.40      | 40.16 | 9.73        | 10.03      | 51.02      | -10.86     | Average |
| 2  | 0.273 | 27.12      | 46.88 | 9.73        | 10.03      | 61.02      | -14.14     | QP      |
| 3  | 0.299 | 18.53      | 38.30 | 9.74        | 10.03      | 50.26      | -11.96     | Average |
| 4  | 0.299 | 24.99      | 44.76 | 9.74        | 10.03      | 60.26      | -15.50     | QP      |
| 5  | 0.349 | 22.68      | 42.47 | 9.76        | 10.03      | 49.00      | -6.53      | Average |
| 6  | 0.349 | 28.75      | 48.54 | 9.76        | 10.03      | 59.00      | -10.46     | QP      |
| 7  | 0.369 | 22.55      | 42.35 | 9.77        | 10.03      | 48.52      | -6.17      | Average |
| 8  | 0.369 | 28.95      | 48.75 | 9.77        | 10.03      | 58.52      | -9.77      | QP      |
| 9  | 0.446 | 13.86      | 33.68 | 9.79        | 10.03      | 46.95      | -13.27     | Average |
| 10 | 0.446 | 21.73      | 41.55 | 9.79        | 10.03      | 56.95      | -15.40     | QP      |
| 11 | 0.511 | 15.31      | 35.15 | 9.80        | 10.04      | 46.00      | -10.85     | Average |
| 12 | 0.511 | 22.14      | 41.98 | 9.80        | 10.04      | 56.00      | -14.02     | QP      |

AC 120V 60 Hz, Neutral\_MOSO



Condition: neutral

Project : 2601V21493E-RF

tester : Macy.shi Note:5G WIFI Transmitting

Setting : RBW:9kHz

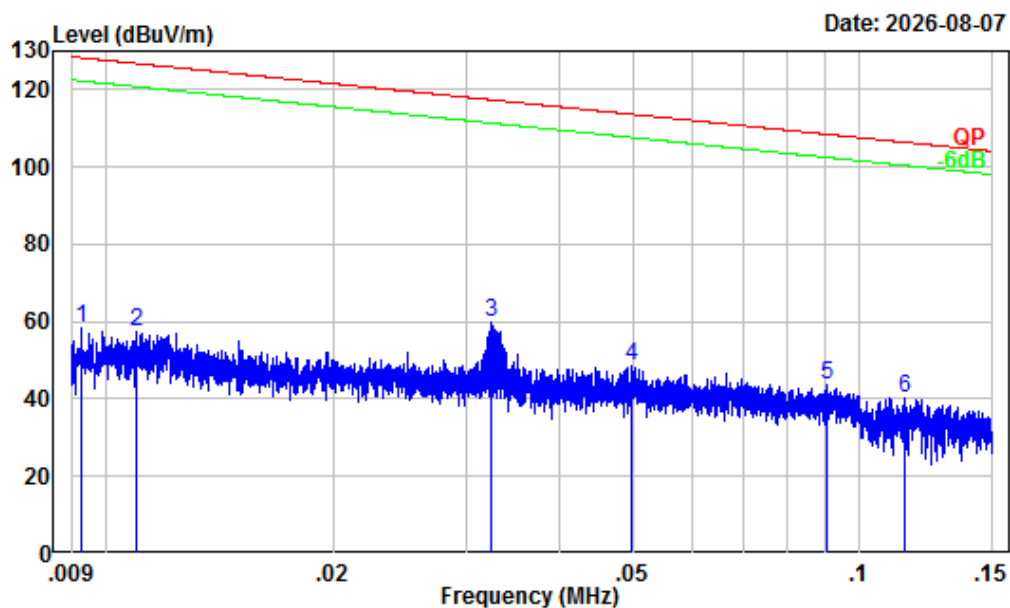
|    | Freq   | Read Level | Level | LISN Factor | Cable Loss | Limit Line | Over Limit | Remark  |
|----|--------|------------|-------|-------------|------------|------------|------------|---------|
|    | MHz    | dBuV       | dBuV  | dB          | dB         | dBuV       | dB         |         |
| 1  | 0.173  | 19.10      | 38.72 | 9.60        | 10.02      | 54.79      | -16.07     | Average |
| 2  | 0.173  | 25.45      | 45.07 | 9.60        | 10.02      | 64.79      | -19.72     | QP      |
| 3  | 0.272  | 20.81      | 40.44 | 9.60        | 10.03      | 51.05      | -10.61     | Average |
| 4  | 0.272  | 27.60      | 47.23 | 9.60        | 10.03      | 61.05      | -13.82     | QP      |
| 5  | 0.345  | 21.21      | 40.84 | 9.60        | 10.03      | 49.08      | -8.24      | Average |
| 6  | 0.345  | 28.84      | 48.47 | 9.60        | 10.03      | 59.08      | -10.61     | QP      |
| 7  | 0.372  | 22.22      | 41.85 | 9.60        | 10.03      | 48.47      | -6.62      | Average |
| 8  | 0.372  | 27.13      | 46.76 | 9.60        | 10.03      | 58.47      | -11.71     | QP      |
| 9  | 0.442  | 11.88      | 31.51 | 9.60        | 10.03      | 47.03      | -15.52     | Average |
| 10 | 0.442  | 22.36      | 41.99 | 9.60        | 10.03      | 57.03      | -15.04     | QP      |
| 11 | 16.167 | 11.91      | 32.00 | 9.70        | 10.39      | 50.00      | -18.00     | Average |
| 12 | 16.167 | 19.31      | 39.40 | 9.70        | 10.39      | 60.00      | -20.60     | QP      |

**Undesirable Emission**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|
| <b>Temperature (°C)</b>    | 24.5&22.4-22.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Relative Humidity (%)</b> | 54&56-59          |
| <b>ATM Pressure (kPa):</b> | 99.8&101.5-101.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Test engineer:</b>        | Alex Yan &Hugh Li |
| <b>Test date:</b>          | 2026.08.07&2026.08.07-08.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                   |
| <b>EUT operation mode:</b> | Below 1GHz: Transmitting<br>Above 1GHz: Transmitting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                   |
| <b>Note:</b>               | <ol style="list-style-type: none"><li>1. For the radiated spurious emission below 30MHz, only the worst case (parallel) was recorded.</li><li>2. For the radiated spurious emission below 1GHz, When the test result of peak was less than the limit of QP/Average more than 6dB, just peak value were recorded.</li><li>3. The spurious emission from 9 kHz-30MHz of IC RSS-GEN standard, the unit of final result on the test plots are dB<math>\mu</math>V/m, so the limit should be added by 51,5 dB from dB<math>\mu</math>A/m to dB<math>\mu</math>V/m.</li></ol> |                              |                   |

**Below 1GHz:****Band 1:**(Maximum output power mode, 802.11a High Channel)

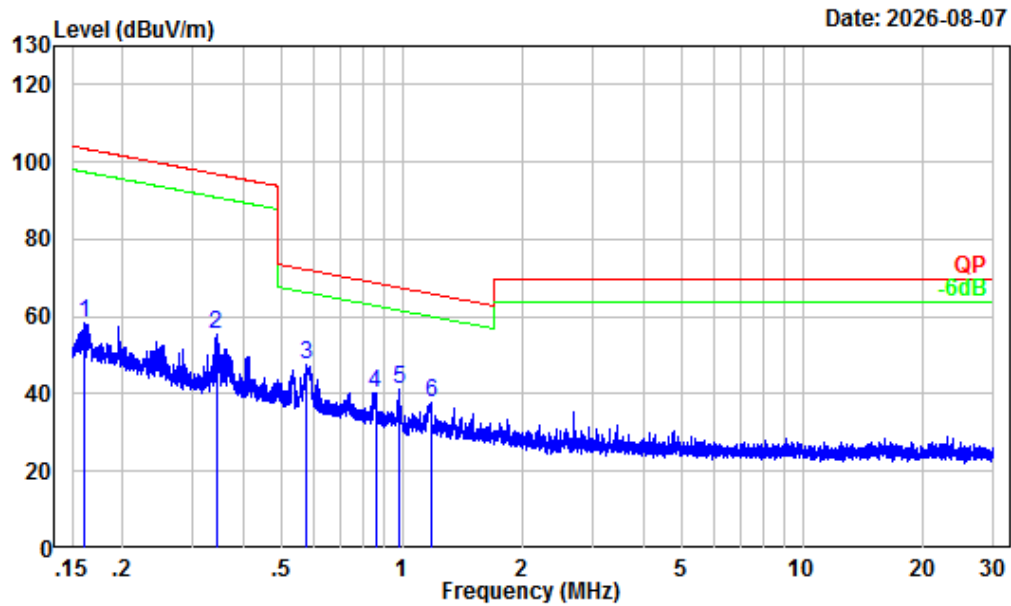
9kHz-150kHz\_trelin



Site : Chamber A  
Condition : 3m  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band1)  
Detector: Peak RBW/VBW: 0.3/1kHz  
Tester : Alex Yan

|   | Freq Factor |       | Read  |        | Limit  | Over   | Remark |
|---|-------------|-------|-------|--------|--------|--------|--------|
|   | MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 0.009       | 32.45 | 25.77 | 58.22  | 128.26 | -70.04 | Peak   |
| 2 | 0.011       | 32.12 | 25.39 | 57.51  | 126.80 | -69.29 | Peak   |
| 3 | 0.033       | 28.24 | 31.52 | 59.76  | 117.36 | -57.60 | Peak   |
| 4 | 0.050       | 26.41 | 21.92 | 48.33  | 113.65 | -65.32 | Peak   |
| 5 | 0.091       | 22.66 | 20.94 | 43.60  | 108.47 | -64.87 | Peak   |
| 6 | 0.115       | 21.13 | 19.34 | 40.47  | 106.41 | -65.94 | Peak   |

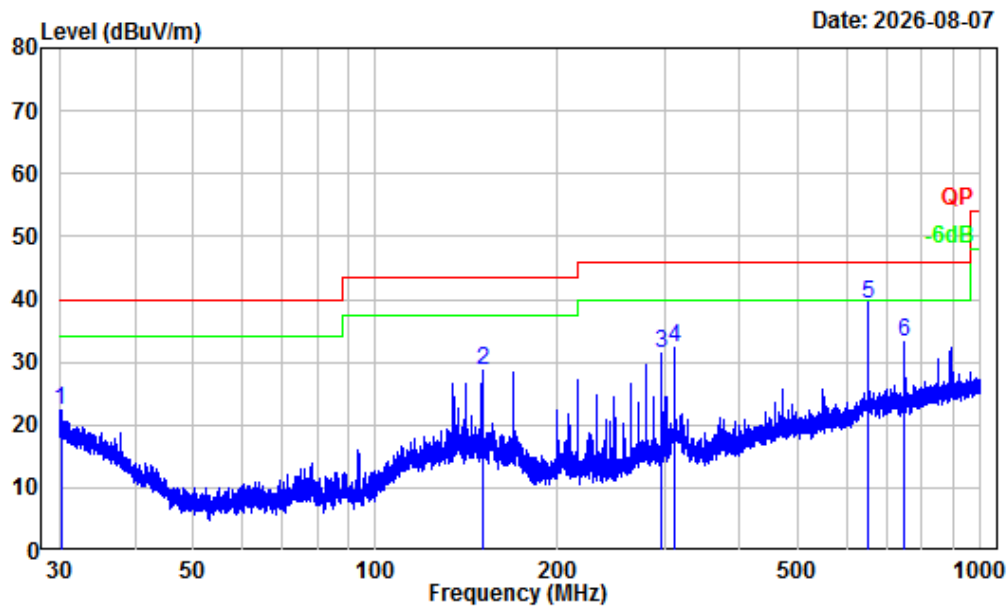
## 150kHz-30MHz\_trelin



Site : Chamber A  
Condition : 3m  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band1)  
Detector: Peak RBW/VBW: 10/30kHz  
Tester : Alex Yan

|   | Freq  | Factor | Read  |        | Limit  | Over   | Remark |
|---|-------|--------|-------|--------|--------|--------|--------|
|   |       |        | Level | Level  | Line   | Limit  |        |
|   | MHz   | dB/m   | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 0.161 | 18.37  | 39.97 | 58.34  | 103.44 | -45.10 | Peak   |
| 2 | 0.343 | 9.38   | 45.97 | 55.35  | 96.90  | -41.55 | Peak   |
| 3 | 0.577 | 5.45   | 41.95 | 47.40  | 72.35  | -24.95 | Peak   |
| 4 | 0.858 | 2.27   | 38.06 | 40.33  | 68.83  | -28.50 | Peak   |
| 5 | 0.981 | 1.35   | 39.96 | 41.31  | 67.65  | -26.34 | Peak   |
| 6 | 1.180 | 0.70   | 37.03 | 37.73  | 66.01  | -28.28 | Peak   |

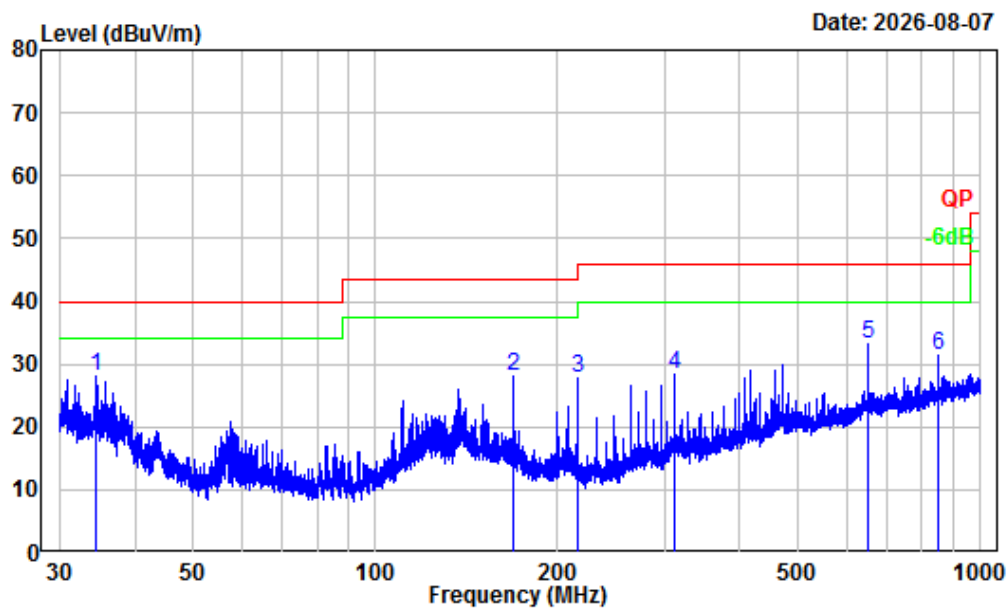
## 30MHz-1GHz\_Horizontal\_trelin



Site : Chamber A  
Condition : 3m Horizontal  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band1)  
Detector: Peak RBW/VBW: 120/500kHz  
Detector: QP RBW/VBW : 120kHz  
Tester : Alex Yan

| Freq Factor |         | Read Level | Level  | Limit Line | Over Limit | Remark      |
|-------------|---------|------------|--------|------------|------------|-------------|
| MHz         | dB/m    | dBuV       | dBuV/m | dBuV/m     | dB         |             |
| 1           | 30.171  | -5.79      | 28.27  | 22.48      | 40.00      | -17.52 Peak |
| 2           | 150.011 | -11.99     | 40.69  | 28.70      | 43.50      | -14.80 Peak |
| 3           | 296.054 | -11.29     | 42.79  | 31.50      | 46.00      | -14.50 Peak |
| 4           | 312.043 | -10.65     | 42.92  | 32.27      | 46.00      | -13.73 Peak |
| 5           | 650.229 | -2.63      | 41.81  | 39.18      | 46.00      | -6.82 QP    |
| 6           | 750.108 | -2.95      | 36.25  | 33.30      | 46.00      | -12.70 Peak |

## 30MHz-1GHz\_Vertical\_trelin

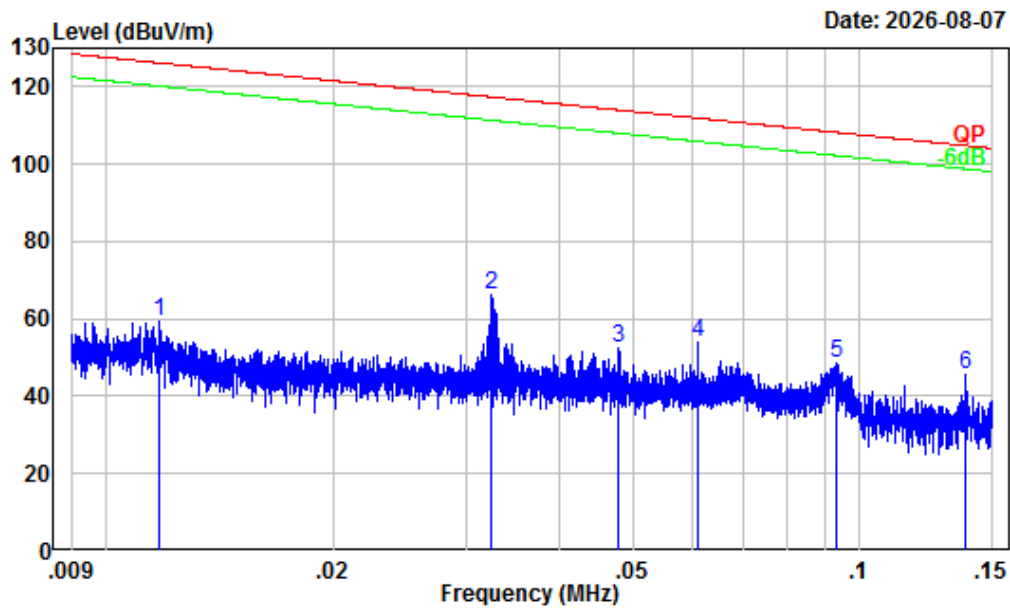


Site : Chamber A  
Condition : 3m Vertical  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band1)  
Detector: Peak RBW/VBW: 120/500kHz  
Tester : Alex Yan

|   | Freq    | Factor | Read  |        | Limit  | Over   | Remark |
|---|---------|--------|-------|--------|--------|--------|--------|
|   |         |        | Level | Level  | Line   | Limit  |        |
|   | MHz     | dB/m   | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 34.578  | -8.01  | 35.99 | 27.98  | 40.00  | -12.02 | Peak   |
| 2 | 168.783 | -12.97 | 41.18 | 28.21  | 43.50  | -15.29 | Peak   |
| 3 | 216.024 | -14.07 | 41.82 | 27.75  | 46.00  | -18.25 | Peak   |
| 4 | 312.043 | -10.65 | 38.91 | 28.26  | 46.00  | -17.74 | Peak   |
| 5 | 650.229 | -2.63  | 35.97 | 33.34  | 46.00  | -12.66 | Peak   |
| 6 | 850.290 | -1.55  | 32.97 | 31.42  | 46.00  | -14.58 | Peak   |

**Band 2:**(Maximum output power mode, 802.11a High Channel)

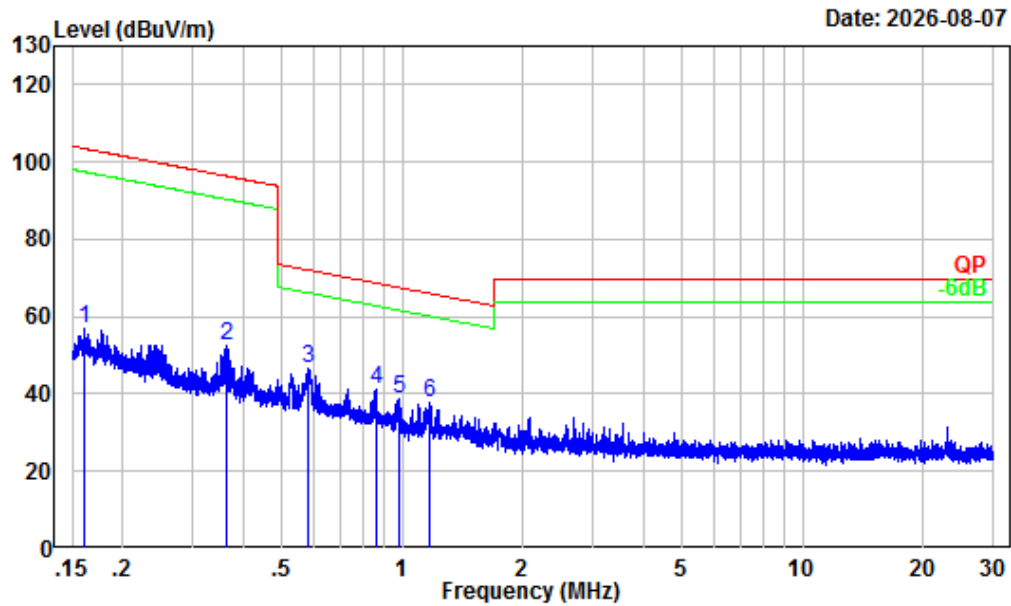
9kHz-150kHz\_trelin



Site : Chamber A  
Condition : 3m  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band2)  
Detector: Peak RBW/VBW: 0.3/1kHz  
Tester : Alex Yan

|   | Freq  | Factor | Read  |        | Limit  | Over   | Remark |
|---|-------|--------|-------|--------|--------|--------|--------|
|   |       |        | Level | Level  | Line   | Limit  |        |
|   | MHz   | dB/m   | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 0.012 | 31.96  | 27.36 | 59.32  | 126.19 | -66.87 | Peak   |
| 2 | 0.032 | 28.24  | 37.75 | 65.99  | 117.37 | -51.38 | Peak   |
| 3 | 0.048 | 26.62  | 25.85 | 52.47  | 114.00 | -61.53 | Peak   |
| 4 | 0.061 | 25.31  | 28.83 | 54.14  | 111.91 | -57.77 | Peak   |
| 5 | 0.093 | 22.48  | 26.09 | 48.57  | 108.22 | -59.65 | Peak   |
| 6 | 0.138 | 19.75  | 25.89 | 45.64  | 104.79 | -59.15 | Peak   |

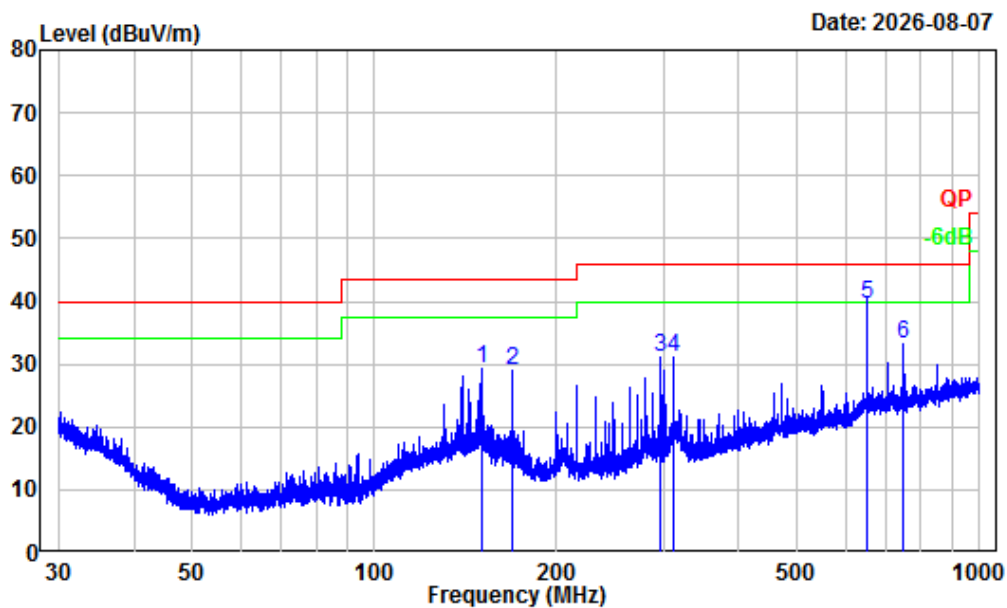
## 150kHz-30MHz\_trelin



Site : Chamber A  
Condition : 3m  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band2)  
Detector: Peak RBW/VBW: 10/30kHz  
Tester : Alex Yan

|   | Freq  | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|-------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz   | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 0.160 | 18.45  | 38.61         | 57.06  | 103.51        | -46.45        | Peak   |
| 2 | 0.364 | 8.99   | 43.45         | 52.44  | 96.39         | -43.95        | Peak   |
| 3 | 0.585 | 5.36   | 41.44         | 46.80  | 72.23         | -25.43        | Peak   |
| 4 | 0.862 | 2.23   | 39.01         | 41.24  | 68.79         | -27.55        | Peak   |
| 5 | 0.983 | 1.33   | 37.33         | 38.66  | 67.63         | -28.97        | Peak   |
| 6 | 1.171 | 0.72   | 37.19         | 37.91  | 66.07         | -28.16        | Peak   |

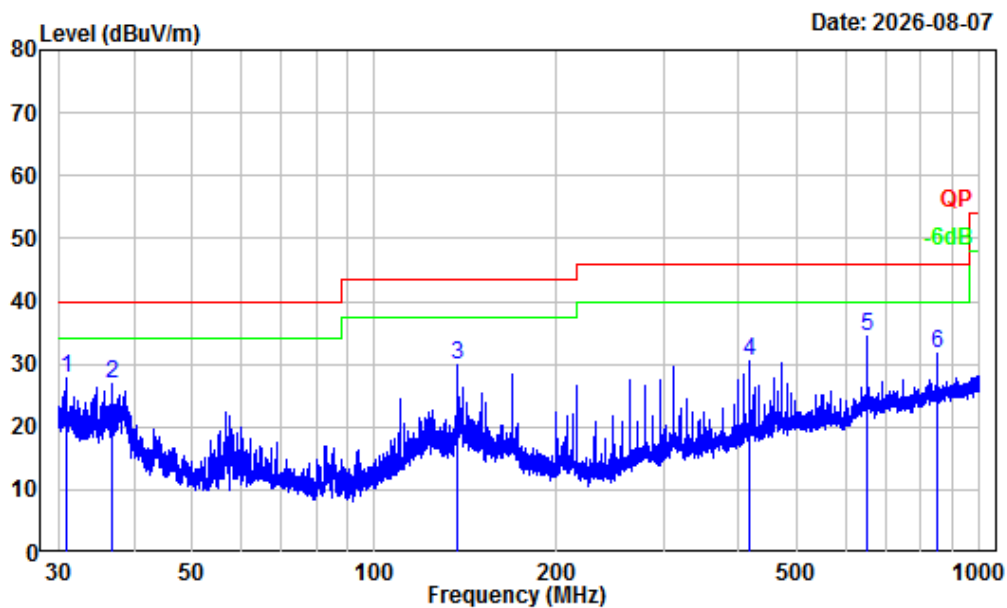
## 30MHz-1GHz\_Horizontal\_trelin



Site : Chamber A  
Condition : 3m Horizontal  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band2)  
Detector: Peak RBW/VBW: 120/500kHz  
Detector: QP RBW/VBW : 120kHz  
Tester : Alex Yan

|   | Freq    | Factor | Read Level | Level  | Limit Line | Over Limit | Remark |
|---|---------|--------|------------|--------|------------|------------|--------|
|   | MHz     | dB/m   | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1 | 150.011 | -11.99 | 41.23      | 29.24  | 43.50      | -14.26     | Peak   |
| 2 | 168.709 | -12.93 | 42.06      | 29.13  | 43.50      | -14.37     | Peak   |
| 3 | 296.054 | -11.29 | 42.29      | 31.00  | 46.00      | -15.00     | Peak   |
| 4 | 312.043 | -10.65 | 41.65      | 31.00  | 46.00      | -15.00     | Peak   |
| 5 | 650.229 | -2.63  | 42.11      | 39.48  | 46.00      | -6.52      | QP     |
| 6 | 750.108 | -2.95  | 36.03      | 33.08  | 46.00      | -12.92     | Peak   |

## 30MHz-1GHz\_Vertical\_trelin

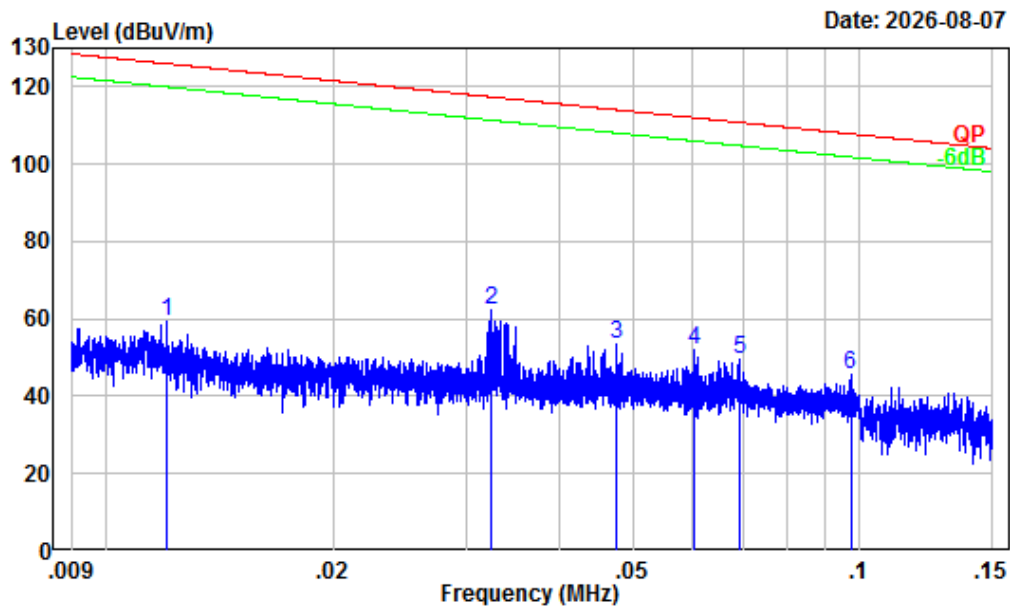


Site : Chamber A  
Condition : 3m Vertical  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band2)  
Detector: Peak RBW/VBW: 120/500kHz  
Tester : Alex Yan

|   | Freq Factor |        | Read  |        | Limit  | Over   | Remark |
|---|-------------|--------|-------|--------|--------|--------|--------|
|   | MHz         | dB/m   | Level | Level  | Line   | Limit  |        |
|   | MHz         | dB/m   | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 30.935      | -6.40  | 34.32 | 27.92  | 40.00  | -12.08 | Peak   |
| 2 | 36.911      | -10.02 | 36.80 | 26.78  | 40.00  | -13.22 | Peak   |
| 3 | 136.879     | -11.26 | 41.30 | 30.04  | 43.50  | -13.46 | Peak   |
| 4 | 415.997     | -7.73  | 38.11 | 30.38  | 46.00  | -15.62 | Peak   |
| 5 | 650.229     | -2.63  | 37.10 | 34.47  | 46.00  | -11.53 | Peak   |
| 6 | 850.290     | -1.55  | 33.15 | 31.60  | 46.00  | -14.40 | Peak   |

**Band 3:**(Maximum output power mode, 802.11n40 Middle Channel)

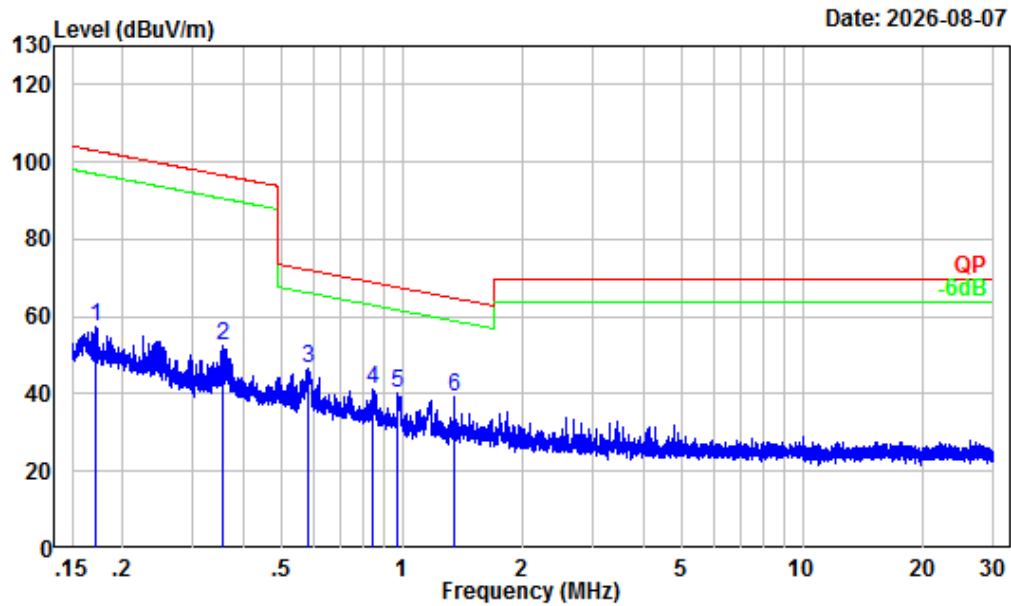
9kHz-150kHz\_trelin



Site : Chamber A  
Condition : 3m  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band3)  
Detector: Peak RBW/VBW: 0.3/1kHz  
Tester : Alex Yan

|   | Freq  | Factor | Read  |        | Limit  | Over   | Remark |
|---|-------|--------|-------|--------|--------|--------|--------|
|   |       |        | Level | Level  | Line   | Limit  |        |
|   | MHz   | dB/m   | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 0.012 | 31.91  | 27.43 | 59.34  | 125.98 | -66.64 | Peak   |
| 2 | 0.032 | 28.24  | 34.05 | 62.29  | 117.37 | -55.08 | Peak   |
| 3 | 0.047 | 26.67  | 26.63 | 53.30  | 114.08 | -60.78 | Peak   |
| 4 | 0.060 | 25.35  | 26.59 | 51.94  | 111.98 | -60.04 | Peak   |
| 5 | 0.069 | 24.48  | 25.07 | 49.55  | 110.80 | -61.25 | Peak   |
| 6 | 0.097 | 22.19  | 23.50 | 45.69  | 107.85 | -62.16 | Peak   |

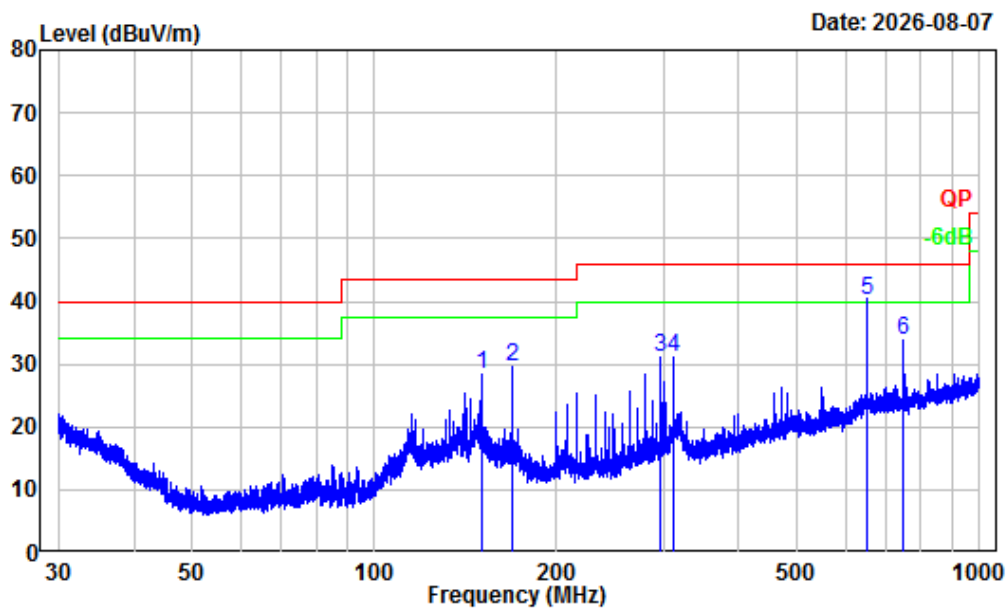
## 150kHz-30MHz\_trelin



Site : Chamber A  
Condition : 3m  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band3)  
Detector: Peak RBW/VBW: 10/30kHz  
Tester : Alex Yan

|   | Freq  | Factor | Read  |        | Limit  | Over   | Remark |
|---|-------|--------|-------|--------|--------|--------|--------|
|   |       |        | Level | Level  | Line   | Limit  |        |
|   | MHz   | dB/m   | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 0.172 | 17.73  | 39.59 | 57.32  | 102.87 | -45.55 | Peak   |
| 2 | 0.355 | 9.16   | 43.16 | 52.32  | 96.61  | -44.29 | Peak   |
| 3 | 0.580 | 5.41   | 41.10 | 46.51  | 72.30  | -25.79 | Peak   |
| 4 | 0.848 | 2.34   | 38.95 | 41.29  | 68.93  | -27.64 | Peak   |
| 5 | 0.976 | 1.38   | 38.72 | 40.10  | 67.69  | -27.59 | Peak   |
| 6 | 1.349 | 0.22   | 39.02 | 39.24  | 64.82  | -25.58 | Peak   |

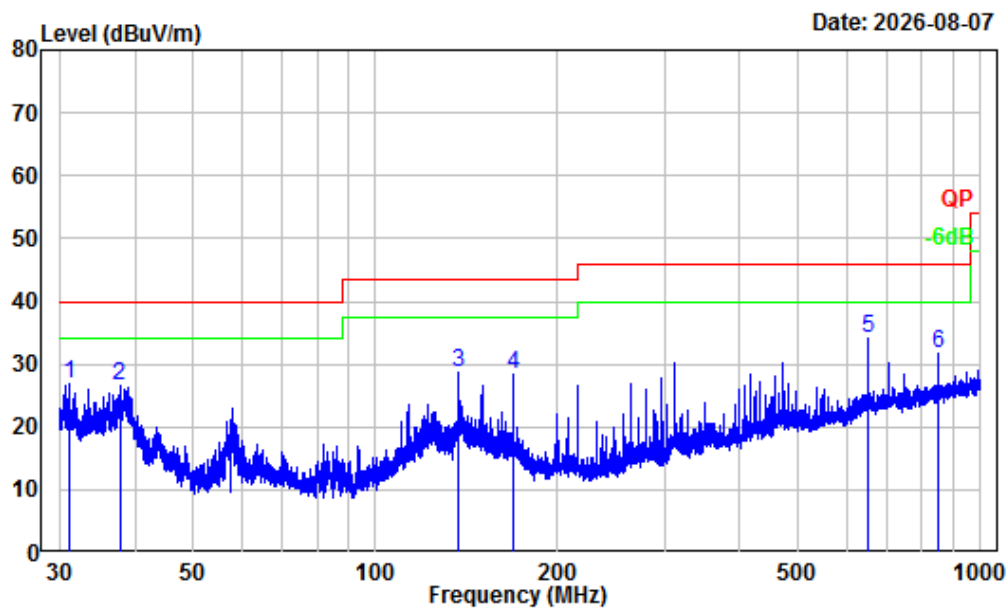
## 30MHz-1GHz\_Horizontal\_trelin



Site : Chamber A  
Condition : 3m Horizontal  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band3)  
Detector: Peak RBW/VBW: 120/500kHz  
Detector: QP RBW/VBW : 120kHz  
Tester : Alex Yan

|   | Freq    | Factor | Read Level | Level  | Limit Line | Over Limit | Remark |
|---|---------|--------|------------|--------|------------|------------|--------|
|   | MHz     | dB/m   | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1 | 150.011 | -11.99 | 40.34      | 28.35  | 43.50      | -15.15     | Peak   |
| 2 | 168.709 | -12.93 | 42.42      | 29.49  | 43.50      | -14.01     | Peak   |
| 3 | 296.054 | -11.29 | 42.43      | 31.14  | 46.00      | -14.86     | Peak   |
| 4 | 312.043 | -10.65 | 41.65      | 31.00  | 46.00      | -15.00     | Peak   |
| 5 | 650.229 | -2.63  | 42.91      | 40.28  | 46.00      | -5.72      | QP     |
| 6 | 750.108 | -2.95  | 36.81      | 33.86  | 46.00      | -12.14     | Peak   |

## 30MHz-1GHz\_Vertical\_trelin

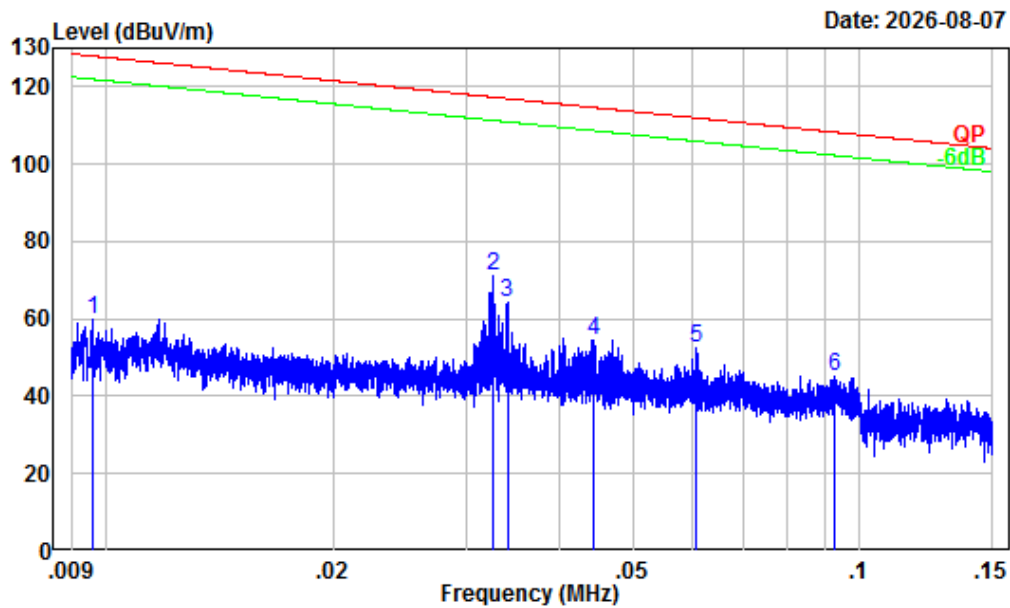


Site : Chamber A  
Condition : 3m Vertical  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band3)  
Detector: Peak RBW/VBW: 120/500kHz  
Tester : Alex Yan

|   | Freq Factor |        | Read  |        | Limit | Over   | Remark |
|---|-------------|--------|-------|--------|-------|--------|--------|
|   | MHz         | dB/m   | dBuV  | dBuV/m | Line  | Limit  |        |
| 1 | 31.084      | -6.48  | 33.36 | 26.88  | 40.00 | -13.12 | Peak   |
| 2 | 37.746      | -10.29 | 36.75 | 26.46  | 40.00 | -13.54 | Peak   |
| 3 | 137.119     | -11.31 | 40.08 | 28.77  | 43.50 | -14.73 | Peak   |
| 4 | 168.783     | -12.97 | 41.35 | 28.38  | 43.50 | -15.12 | Peak   |
| 5 | 650.229     | -2.63  | 36.63 | 34.00  | 46.00 | -12.00 | Peak   |
| 6 | 850.290     | -1.55  | 33.17 | 31.62  | 46.00 | -14.38 | Peak   |

**Band 4:**(Maximum output power mode, 802.11a Low Channel)

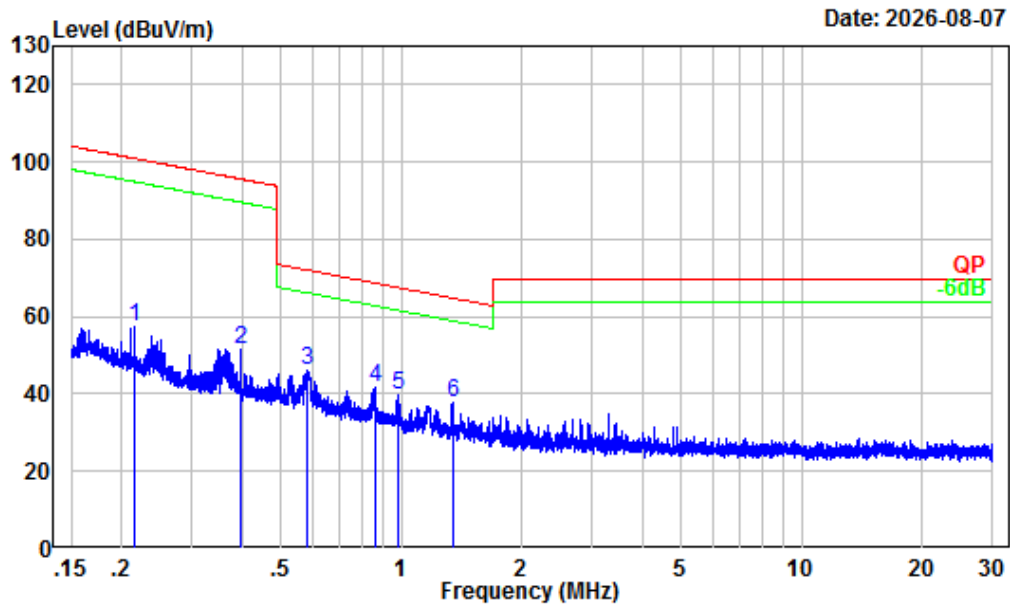
9kHz-150kHz\_trelin



Site : Chamber A  
Condition : 3m  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band4)  
Detector: Peak RBW/VBW: 0.3/1kHz  
Tester : Alex Yan

|   | Freq  | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|-------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz   | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 0.010 | 32.38  | 27.39         | 59.77  | 127.95        | -68.18        | Peak   |
| 2 | 0.033 | 28.22  | 42.78         | 71.00  | 117.33        | -46.33        | Peak   |
| 3 | 0.034 | 28.07  | 36.05         | 64.12  | 116.95        | -52.83        | Peak   |
| 4 | 0.044 | 27.00  | 27.41         | 54.41  | 114.69        | -60.28        | Peak   |
| 5 | 0.061 | 25.34  | 27.21         | 52.55  | 111.96        | -59.41        | Peak   |
| 6 | 0.093 | 22.52  | 22.46         | 44.98  | 108.28        | -63.30        | Peak   |

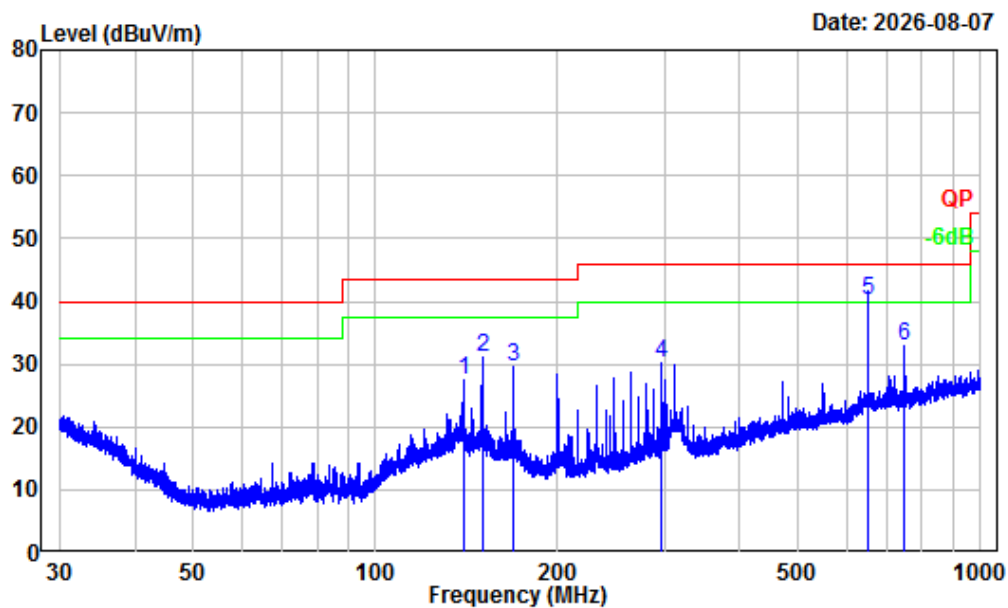
## 150kHz-30MHz\_trelin



Site : Chamber A  
Condition : 3m  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band4)  
Detector: Peak RBW/VBW: 10/30kHz  
Tester : Alex Yan

|   | Freq  | Factor | Read  |        | Limit  | Over   | Remark |
|---|-------|--------|-------|--------|--------|--------|--------|
|   |       |        | Level | Level  | Line   | Limit  |        |
|   | MHz   | dB/m   | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 0.215 | 15.19  | 42.18 | 57.37  | 100.94 | -43.57 | Peak   |
| 2 | 0.396 | 8.38   | 43.34 | 51.72  | 95.66  | -43.94 | Peak   |
| 3 | 0.584 | 5.36   | 40.75 | 46.11  | 72.24  | -26.13 | Peak   |
| 4 | 0.861 | 2.24   | 39.25 | 41.49  | 68.80  | -27.31 | Peak   |
| 5 | 0.980 | 1.35   | 38.42 | 39.77  | 67.65  | -27.88 | Peak   |
| 6 | 1.342 | 0.24   | 37.36 | 37.60  | 64.86  | -27.26 | Peak   |

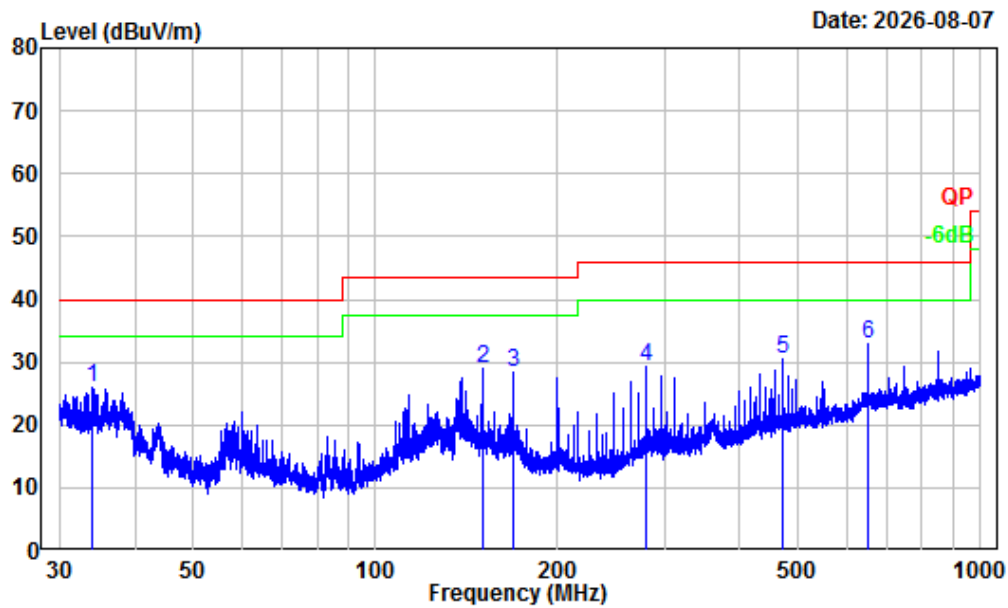
## 30MHz-1GHz\_Horizontal\_trelin



Site : Chamber A  
Condition : 3m Horizontal  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band4)  
Detector: Peak RBW/VBW: 120/500kHz  
Detector: QP RBW/VBW : 120kHz  
Tester : Alex Yan

|   | Freq    | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|---------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz     | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 139.728 | -11.97 | 39.30         | 27.33  | 43.50         | -16.17        | Peak   |
| 2 | 150.011 | -11.99 | 43.08         | 31.09  | 43.50         | -12.41        | Peak   |
| 3 | 168.709 | -12.93 | 42.44         | 29.51  | 43.50         | -13.99        | Peak   |
| 4 | 296.054 | -11.29 | 41.44         | 30.15  | 46.00         | -15.85        | Peak   |
| 5 | 650.229 | -2.63  | 42.91         | 40.28  | 46.00         | -5.72         | QP     |
| 6 | 750.108 | -2.95  | 35.90         | 32.95  | 46.00         | -13.05        | Peak   |

## 30MHz-1GHz\_Vertical\_trelin



Site : Chamber A  
Condition : 3m Vertical  
Project Number : 2601V21493E-RF  
Test Mode : 5G WIFI Transmitting(Band4)  
Detector: Peak RBW/VBW: 120/500kHz  
Tester : Alex Yan

|   | Freq Factor |        | Read  |        | Limit  | Over   | Remark |
|---|-------------|--------|-------|--------|--------|--------|--------|
|   | MHz         | dB/m   | Level | Level  | Line   | Limit  |        |
|   |             |        | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 34.051      | -7.69  | 33.65 | 25.96  | 40.00  | -14.04 | Peak   |
| 2 | 150.011     | -11.99 | 40.88 | 28.89  | 43.50  | -14.61 | Peak   |
| 3 | 168.709     | -12.93 | 41.30 | 28.37  | 43.50  | -15.13 | Peak   |
| 4 | 280.024     | -10.95 | 40.11 | 29.16  | 46.00  | -16.84 | Peak   |
| 5 | 471.969     | -6.38  | 37.00 | 30.62  | 46.00  | -15.38 | Peak   |
| 6 | 650.229     | -2.63  | 35.59 | 32.96  | 46.00  | -13.04 | Peak   |

**Above 1GHz:****5150-5250 MHz**

| Frequency (MHz)  | Reading (dBμV) | PK/Ave | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|------------------|----------------|--------|-------------|---------------|------------------------------|----------------|-------------|
| <b>802.11a</b>   |                |        |             |               |                              |                |             |
| Low Channel      |                |        |             |               |                              |                |             |
| 10360.00         | 63.76          | PK     | H           | 1.59          | 65.35                        | 68.2           | -2.85       |
| 10360.00         | 62.25          | PK     | V           | 1.59          | 63.84                        | 68.2           | -4.36       |
| Middle Channel   |                |        |             |               |                              |                |             |
| 10400.00         | 62.59          | PK     | H           | 1.63          | 64.22                        | 68.2           | -3.98       |
| 10400.00         | 61.65          | PK     | V           | 1.63          | 63.28                        | 68.2           | -4.92       |
| High Channel     |                |        |             |               |                              |                |             |
| 10480.00         | 63.47          | PK     | H           | 1.44          | 64.91                        | 68.2           | -3.29       |
| 10480.00         | 61.83          | PK     | V           | 1.44          | 63.27                        | 68.2           | -4.93       |
| <b>802.11n20</b> |                |        |             |               |                              |                |             |
| Low Channel      |                |        |             |               |                              |                |             |
| 10360.00         | 62.90          | PK     | H           | 1.59          | 64.49                        | 68.2           | -3.71       |
| 10360.00         | 61.99          | PK     | V           | 1.59          | 63.58                        | 68.2           | -4.62       |
| Middle Channel   |                |        |             |               |                              |                |             |
| 10400.00         | 62.79          | PK     | H           | 1.63          | 64.42                        | 68.2           | -3.78       |
| 10400.00         | 61.80          | PK     | V           | 1.63          | 63.43                        | 68.2           | -4.77       |
| High Channel     |                |        |             |               |                              |                |             |
| 10480.00         | 64.50          | PK     | H           | 1.44          | 65.94                        | 68.2           | -2.26       |
| 10480.00         | 61.63          | PK     | V           | 1.44          | 63.07                        | 68.2           | -5.13       |
| <b>802.11n40</b> |                |        |             |               |                              |                |             |
| Low Channel      |                |        |             |               |                              |                |             |
| 10380.00         | 57.56          | PK     | H           | 1.61          | 59.17                        | 68.2           | -9.03       |
| 10380.00         | 55.82          | PK     | V           | 1.61          | 57.43                        | 68.2           | -10.77      |
| High Channel     |                |        |             |               |                              |                |             |
| 10460.00         | 58.55          | PK     | H           | 1.49          | 60.04                        | 68.2           | -8.16       |
| 10460.00         | 56.77          | PK     | V           | 1.49          | 58.26                        | 68.2           | -9.94       |

**5250-5350MHz**

| Frequency (MHz)  | Reading (dBμV) | PK/Ave | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|------------------|----------------|--------|-------------|---------------|------------------------------|----------------|-------------|
| <b>802.11a</b>   |                |        |             |               |                              |                |             |
| Low Channel      |                |        |             |               |                              |                |             |
| 10520.00         | 61.43          | PK     | H           | 1.42          | 62.85                        | 68.2           | -5.35       |
| 10520.00         | 61.92          | PK     | V           | 1.42          | 63.34                        | 68.2           | -4.86       |
| Middle Channel   |                |        |             |               |                              |                |             |
| 10560.00         | 61.61          | PK     | H           | 1.47          | 63.08                        | 68.2           | -5.12       |
| 10560.00         | 61.74          | PK     | V           | 1.47          | 63.21                        | 68.2           | -4.99       |
| High Channel     |                |        |             |               |                              |                |             |
| 10640.00         | 62.19          | PK     | H           | 1.80          | 63.99                        | 74             | -10.01      |
| 10640.00         | 48.91          | AV     | H           | 1.80          | 50.71                        | 54             | -3.29       |
| 10640.00         | 62.83          | PK     | V           | 1.80          | 64.63                        | 74             | -9.37       |
| 10640.00         | 48.69          | AV     | V           | 1.80          | 50.49                        | 54             | -3.51       |
| <b>802.11n20</b> |                |        |             |               |                              |                |             |
| Low Channel      |                |        |             |               |                              |                |             |
| 10520.00         | 60.17          | PK     | H           | 1.42          | 61.59                        | 68.2           | -6.61       |
| 10520.00         | 60.90          | PK     | V           | 1.42          | 62.32                        | 68.2           | -5.88       |
| Middle Channel   |                |        |             |               |                              |                |             |
| 10560.00         | 61.54          | PK     | H           | 1.47          | 63.01                        | 68.2           | -5.19       |
| 10560.00         | 62.05          | PK     | V           | 1.47          | 63.52                        | 68.2           | -4.68       |
| High Channel     |                |        |             |               |                              |                |             |
| 10640.00         | 61.97          | PK     | H           | 1.80          | 63.77                        | 74             | -10.23      |
| 10640.00         | 48.36          | AV     | H           | 1.80          | 50.16                        | 54             | -3.84       |
| 10640.00         | 62.25          | PK     | V           | 1.80          | 64.05                        | 74             | -9.95       |
| 10640.00         | 47.66          | AV     | V           | 1.80          | 49.46                        | 54             | -4.54       |
| <b>802.11n40</b> |                |        |             |               |                              |                |             |
| Low Channel      |                |        |             |               |                              |                |             |
| 10540.00         | 57.03          | PK     | H           | 1.44          | 58.47                        | 68.2           | -9.73       |
| 10540.00         | 55.71          | PK     | V           | 1.44          | 57.15                        | 68.2           | -11.05      |
| High Channel     |                |        |             |               |                              |                |             |
| 10620.00         | 59.00          | PK     | H           | 1.67          | 60.67                        | 74             | -13.33      |
| 10620.00         | 43.96          | AV     | H           | 1.67          | 45.63                        | 54             | -8.37       |
| 10620.00         | 57.66          | PK     | V           | 1.67          | 59.33                        | 74             | -14.67      |
| 10620.00         | 43.43          | AV     | V           | 1.67          | 45.10                        | 54             | -8.90       |

**5470-5725MHz**

| Frequency (MHz) | Reading (dBμV) | PK/Ave | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|----------------|--------|-------------|---------------|------------------------------|----------------|-------------|
| <b>802.11a</b>  |                |        |             |               |                              |                |             |
| Low Channel     |                |        |             |               |                              |                |             |
| 11000.00        | 54.42          | PK     | H           | 3.33          | 57.75                        | 74             | -16.25      |
| 11000.00        | 40.55          | AV     | H           | 3.33          | 43.88                        | 54             | -10.12      |
| 11000.00        | 54.02          | PK     | V           | 3.33          | 57.35                        | 74             | -16.65      |
| 11000.00        | 40.40          | AV     | V           | 3.33          | 43.73                        | 54             | -10.27      |
| Middle Channel  |                |        |             |               |                              |                |             |
| 11160.00        | 53.89          | PK     | H           | 2.27          | 56.16                        | 74             | -17.84      |
| 11160.00        | 40.41          | AV     | H           | 2.27          | 42.68                        | 54             | -11.32      |
| 11160.00        | 53.68          | PK     | V           | 2.27          | 55.95                        | 74             | -18.05      |
| 11160.00        | 40.27          | AV     | V           | 2.27          | 42.54                        | 54             | -11.46      |
| High Channel    |                |        |             |               |                              |                |             |
| 11400.00        | 53.99          | PK     | H           | 2.46          | 56.45                        | 74             | -17.55      |
| 11400.00        | 40.59          | AV     | H           | 2.46          | 43.05                        | 54             | -10.95      |
| 11400.00        | 53.55          | PK     | V           | 2.46          | 56.01                        | 74             | -17.99      |
| 11400.00        | 40.24          | AV     | V           | 2.46          | 42.70                        | 54             | -11.30      |
| Cross Channel   |                |        |             |               |                              |                |             |
| 11440.00        | 55.34          | PK     | H           | 2.26          | 57.60                        | 74             | -16.40      |
| 11440.00        | 40.33          | AV     | H           | 2.26          | 42.59                        | 54             | -11.41      |
| 11440.00        | 53.97          | PK     | V           | 2.26          | 56.23                        | 74             | -17.77      |
| 11440.00        | 40.18          | AV     | V           | 2.26          | 42.44                        | 54             | -11.56      |

| Frequency (MHz)  | Reading (dB $\mu$ V) | PK/Ave | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) |
|------------------|----------------------|--------|-------------|---------------|------------------------------------|----------------------|-------------|
| <b>802.11n20</b> |                      |        |             |               |                                    |                      |             |
| Low Channel      |                      |        |             |               |                                    |                      |             |
| 11000.00         | 54.23                | PK     | H           | 3.33          | 57.56                              | 74                   | -16.44      |
| 11000.00         | 39.90                | AV     | H           | 3.33          | 43.23                              | 54                   | -10.77      |
| 11000.00         | 54.20                | PK     | V           | 3.33          | 57.53                              | 74                   | -16.47      |
| 11000.00         | 39.75                | AV     | V           | 3.33          | 43.08                              | 54                   | -10.92      |
| Middle Channel   |                      |        |             |               |                                    |                      |             |
| 11160.00         | 53.49                | PK     | H           | 2.27          | 55.76                              | 74                   | -18.24      |
| 11160.00         | 39.54                | AV     | H           | 2.27          | 41.81                              | 54                   | -12.19      |
| 11160.00         | 54.03                | PK     | V           | 2.27          | 56.30                              | 74                   | -17.70      |
| 11160.00         | 39.49                | AV     | V           | 2.27          | 41.76                              | 54                   | -12.24      |
| High Channel     |                      |        |             |               |                                    |                      |             |
| 11400.00         | 54.12                | PK     | H           | 2.46          | 56.58                              | 74                   | -17.42      |
| 11400.00         | 40.13                | AV     | H           | 2.46          | 42.59                              | 54                   | -11.41      |
| 11400.00         | 53.99                | PK     | V           | 2.46          | 56.45                              | 74                   | -17.55      |
| 11400.00         | 39.84                | AV     | V           | 2.46          | 42.30                              | 54                   | -11.70      |
| Cross Channel    |                      |        |             |               |                                    |                      |             |
| 11440.00         | 54.55                | PK     | H           | 2.26          | 56.81                              | 74                   | -17.19      |
| 11440.00         | 40.44                | AV     | H           | 2.26          | 42.70                              | 54                   | -11.30      |
| 11440.00         | 54.38                | PK     | V           | 2.26          | 56.64                              | 74                   | -17.36      |
| 11440.00         | 39.93                | AV     | V           | 2.26          | 42.19                              | 54                   | -11.81      |

| Frequency (MHz)  | Reading (dB $\mu$ V) | PK/Ave | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) |
|------------------|----------------------|--------|-------------|---------------|------------------------------------|----------------------|-------------|
| <b>802.11n40</b> |                      |        |             |               |                                    |                      |             |
| Low Channel      |                      |        |             |               |                                    |                      |             |
| 11020.00         | 54.30                | PK     | H           | 3.28          | 57.58                              | 74                   | -16.42      |
| 11020.00         | 39.73                | AV     | H           | 3.28          | 43.01                              | 54                   | -10.99      |
| 11020.00         | 53.73                | PK     | V           | 3.28          | 57.01                              | 74                   | -16.99      |
| 11020.00         | 39.62                | AV     | V           | 3.28          | 42.90                              | 54                   | -11.10      |
| Middle Channel   |                      |        |             |               |                                    |                      |             |
| 11100.00         | 53.86                | PK     | H           | 2.65          | 56.51                              | 74                   | -17.49      |
| 11100.00         | 39.73                | AV     | H           | 2.65          | 42.38                              | 54                   | -11.62      |
| 11100.00         | 53.37                | PK     | V           | 2.65          | 56.02                              | 74                   | -17.98      |
| 11100.00         | 39.46                | AV     | V           | 2.65          | 42.11                              | 54                   | -11.89      |
| High Channel     |                      |        |             |               |                                    |                      |             |
| 11340.00         | 54.52                | PK     | H           | 2.09          | 56.61                              | 74                   | -17.39      |
| 11340.00         | 40.32                | AV     | H           | 2.09          | 42.41                              | 54                   | -11.59      |
| 11340.00         | 54.09                | PK     | V           | 2.09          | 56.18                              | 74                   | -17.82      |
| 11340.00         | 39.91                | AV     | V           | 2.09          | 42.00                              | 54                   | -12.00      |
| Cross Channel    |                      |        |             |               |                                    |                      |             |
| 11420.00         | 53.85                | PK     | H           | 2.36          | 56.21                              | 74                   | -17.79      |
| 11420.00         | 39.96                | AV     | H           | 2.36          | 42.32                              | 54                   | -11.68      |
| 11420.00         | 53.91                | PK     | V           | 2.36          | 56.27                              | 74                   | -17.73      |
| 11420.00         | 40.05                | AV     | V           | 2.36          | 42.41                              | 54                   | -11.59      |

**5725-5850MHz**

| Frequency (MHz)  | Reading (dBμV) | PK/Ave | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|------------------|----------------|--------|-------------|---------------|------------------------------|----------------|-------------|
| <b>802.11a</b>   |                |        |             |               |                              |                |             |
| Low Channel      |                |        |             |               |                              |                |             |
| 11490.00         | 66.97          | PK     | H           | 2.32          | 69.29                        | 74             | -4.71       |
| 11490.00         | 48.83          | AV     | H           | 2.32          | 51.15                        | 54             | -2.85       |
| 11490.00         | 60.18          | PK     | V           | 2.32          | 62.50                        | 74             | -11.50      |
| 11490.00         | 44.86          | AV     | V           | 2.32          | 47.18                        | 54             | -6.82       |
| Middle Channel   |                |        |             |               |                              |                |             |
| 11570.00         | 66.61          | PK     | H           | 2.58          | 69.19                        | 74             | -4.81       |
| 11570.00         | 49.88          | AV     | H           | 2.58          | 52.46                        | 54             | -1.54       |
| 11570.00         | 63.54          | PK     | V           | 2.58          | 66.12                        | 74             | -7.88       |
| 11570.00         | 47.81          | AV     | V           | 2.58          | 50.39                        | 54             | -3.61       |
| High Channel     |                |        |             |               |                              |                |             |
| 11650.00         | 66.05          | PK     | H           | 2.58          | 68.63                        | 74             | -5.37       |
| 11650.00         | 50.34          | AV     | H           | 2.58          | 52.92                        | 54             | -1.08       |
| 11650.00         | 62.52          | PK     | V           | 2.58          | 65.10                        | 74             | -8.90       |
| 11650.00         | 46.98          | AV     | V           | 2.58          | 49.56                        | 54             | -4.44       |
| <b>802.11n20</b> |                |        |             |               |                              |                |             |
| Low Channel      |                |        |             |               |                              |                |             |
| 11490.00         | 65.25          | PK     | H           | 2.32          | 67.57                        | 74             | -6.43       |
| 11490.00         | 49.07          | AV     | H           | 2.32          | 51.39                        | 54             | -2.61       |
| 11490.00         | 62.84          | PK     | V           | 2.32          | 65.16                        | 74             | -8.84       |
| 11490.00         | 44.92          | AV     | V           | 2.32          | 47.24                        | 54             | -6.76       |
| Middle Channel   |                |        |             |               |                              |                |             |
| 11570.00         | 65.65          | PK     | H           | 2.58          | 68.23                        | 74             | -5.77       |
| 11570.00         | 49.94          | AV     | H           | 2.58          | 52.52                        | 54             | -1.48       |
| 11570.00         | 61.51          | PK     | V           | 2.58          | 64.09                        | 74             | -9.91       |
| 11570.00         | 45.39          | AV     | V           | 2.58          | 47.97                        | 54             | -6.03       |
| High Channel     |                |        |             |               |                              |                |             |
| 11650.00         | 65.25          | PK     | H           | 2.58          | 67.83                        | 74             | -6.17       |
| 11650.00         | 50.24          | AV     | H           | 2.58          | 52.82                        | 54             | -1.18       |
| 11650.00         | 62.47          | PK     | V           | 2.58          | 65.05                        | 74             | -8.95       |
| 11650.00         | 46.80          | AV     | V           | 2.58          | 49.38                        | 54             | -4.62       |

| Frequency (MHz)  | Reading (dBμV) | PK/Ave | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|------------------|----------------|--------|-------------|---------------|------------------------------|----------------|-------------|
| <b>802.11n40</b> |                |        |             |               |                              |                |             |
| Low Channel      |                |        |             |               |                              |                |             |
| 11510.00         | 62.44          | PK     | H           | 2.41          | 64.85                        | 74             | -9.15       |
| 11510.00         | 48.85          | AV     | H           | 2.41          | 51.26                        | 54             | -2.74       |
| 11510.00         | 58.84          | PK     | V           | 2.41          | 61.25                        | 74             | -12.75      |
| 11510.00         | 43.99          | AV     | V           | 2.41          | 46.40                        | 54             | -7.60       |
| High Channel     |                |        |             |               |                              |                |             |
| 11590.00         | 62.09          | PK     | H           | 2.51          | 64.60                        | 74             | -9.40       |
| 11590.00         | 46.93          | AV     | H           | 2.51          | 49.44                        | 54             | -4.56       |
| 11590.00         | 58.14          | PK     | V           | 2.51          | 60.65                        | 74             | -13.35      |
| 11590.00         | 43.98          | AV     | V           | 2.51          | 46.49                        | 54             | -7.51       |

Note:

Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor

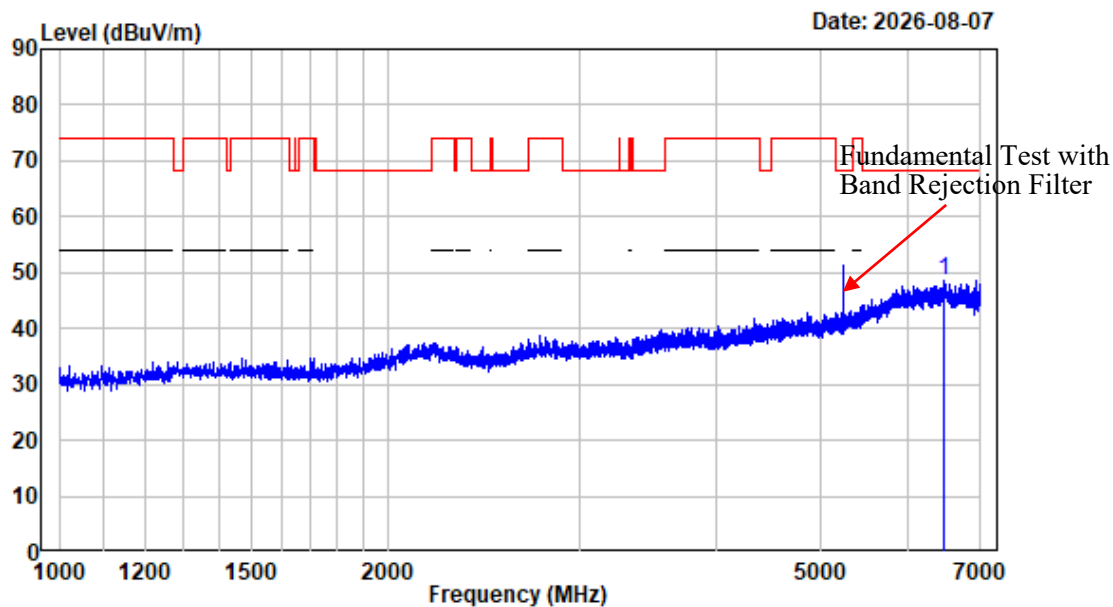
Corrected Amplitude = Factor + Reading

Margin = Corrected. Amplitude - Limit

The other spurious emission which is in the noise floor level was not recorded.

**Test plots:****1-18GHz (Listed with the worst case test plot)**

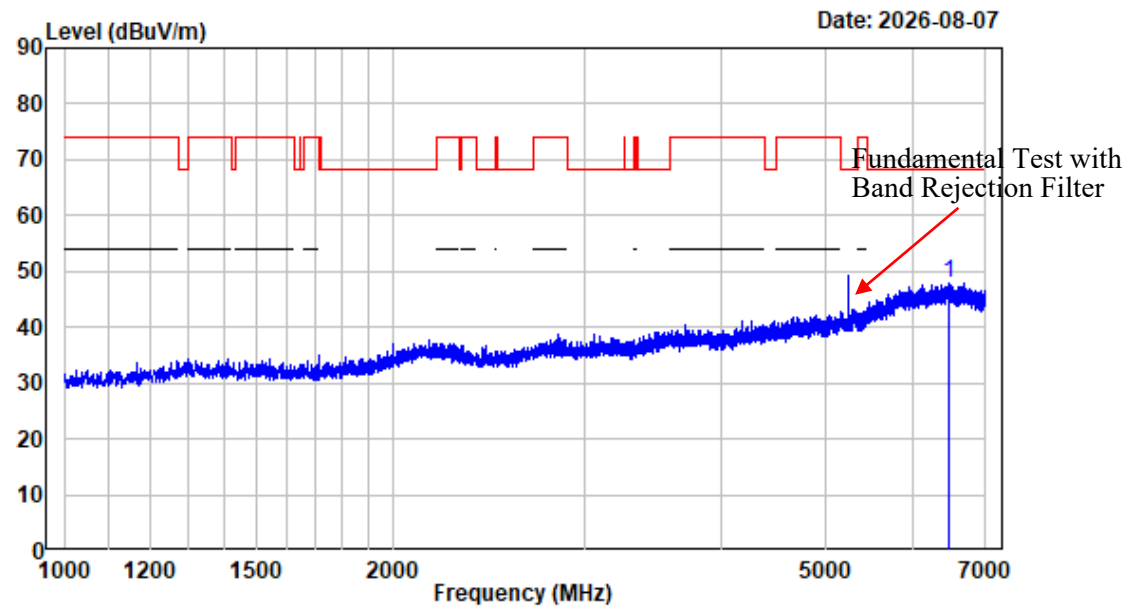
1-7GHz\_Horizontal\_802.11a\_5180MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_A\_5180

| Freq | Factor   | Read  |       | Limit  | Over   | Remark      |
|------|----------|-------|-------|--------|--------|-------------|
|      |          | Level | Level | Line   | Limit  |             |
|      | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1    | 6485.500 | -1.81 | 50.37 | 48.56  | 68.20  | -19.64 Peak |

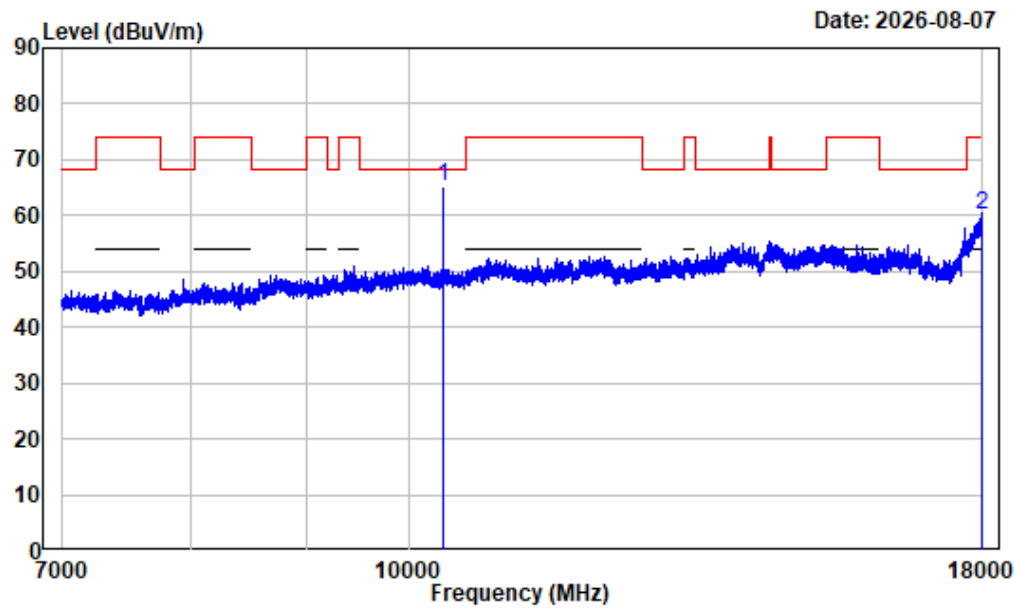
1-7GHz\_Vertical\_802.11a\_5180MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_A\_5180

| Freq Factor |          | Read  | Limit  | Over   | Remark            |
|-------------|----------|-------|--------|--------|-------------------|
|             |          | Level | Level  | Line   |                   |
| MHz         | dB/m     | dBuV  | dBuV/m | dBuV/m | dB                |
| 1           | 6489.250 | -1.76 | 49.79  | 48.03  | 68.20 -20.17 Peak |

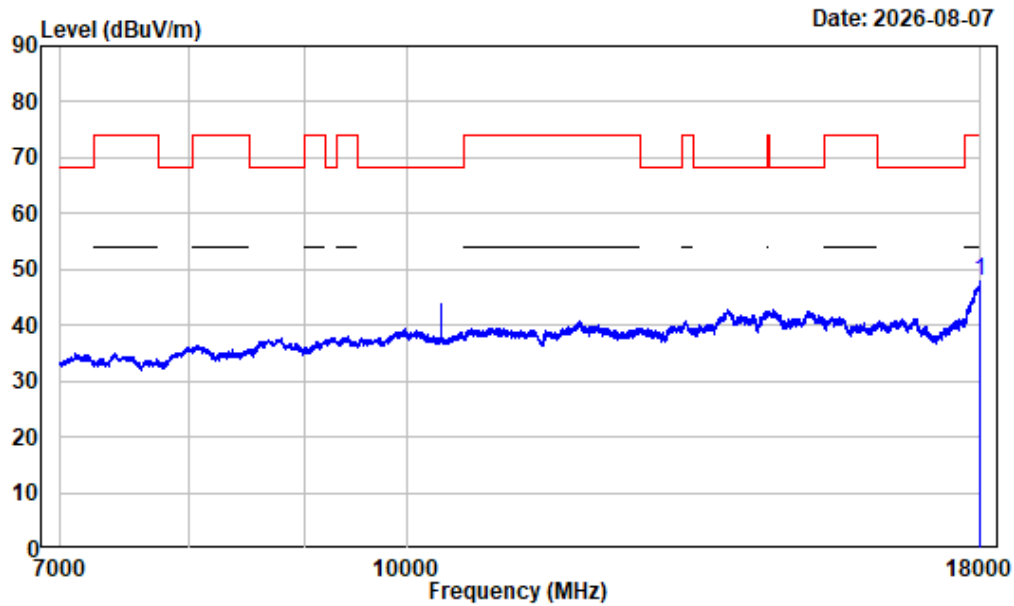
7-18GHz\_Horizontal\_Peak\_802.11a\_5180MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_A\_5180

|   | Freq      | Factor | Read Level | Level  | Limit Line | Over Limit | Remark |
|---|-----------|--------|------------|--------|------------|------------|--------|
|   | MHz       | dB/m   | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1 | 10360.000 | 1.59   | 63.76      | 65.35  | 68.20      | -2.85      | Peak   |
| 2 | 17980.750 | 10.45  | 49.83      | 60.28  | 74.00      | -13.72     | Peak   |

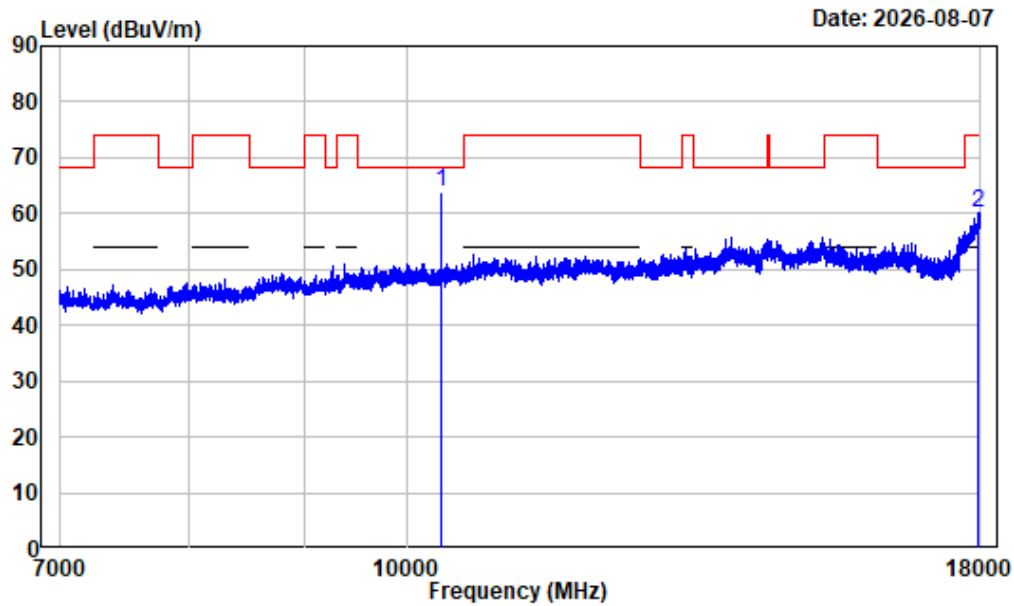
## 7-18GHz\_Horizontal\_Average\_802.11a\_5180MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND1\_A\_5180

| Freq Factor |       | Read Level |        | Limit Line | Over Limit | Remark  |
|-------------|-------|------------|--------|------------|------------|---------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m     | dB         |         |
| 1 17997.250 | 10.75 | 37.09      | 47.84  | 54.00      | -6.16      | Average |

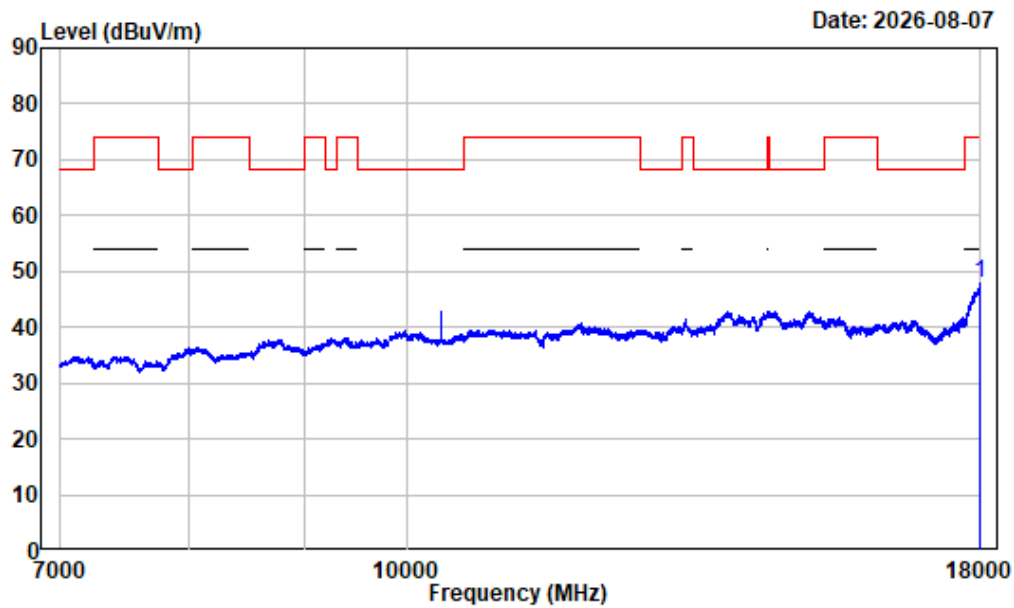
## 7-18GHz\_Vertical\_Peak\_802.11a\_5180MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_A\_5180

| Freq Factor |      | Read  | Limit  | Over   | Remark      |
|-------------|------|-------|--------|--------|-------------|
| MHz         | dB/m | Level | Level  | Line   |             |
|             |      | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 10360.000 | 1.59 | 62.25 | 63.84  | 68.20  | -4.36 Peak  |
| 2 17954.630 | 9.98 | 50.21 | 60.19  | 74.00  | -13.81 Peak |

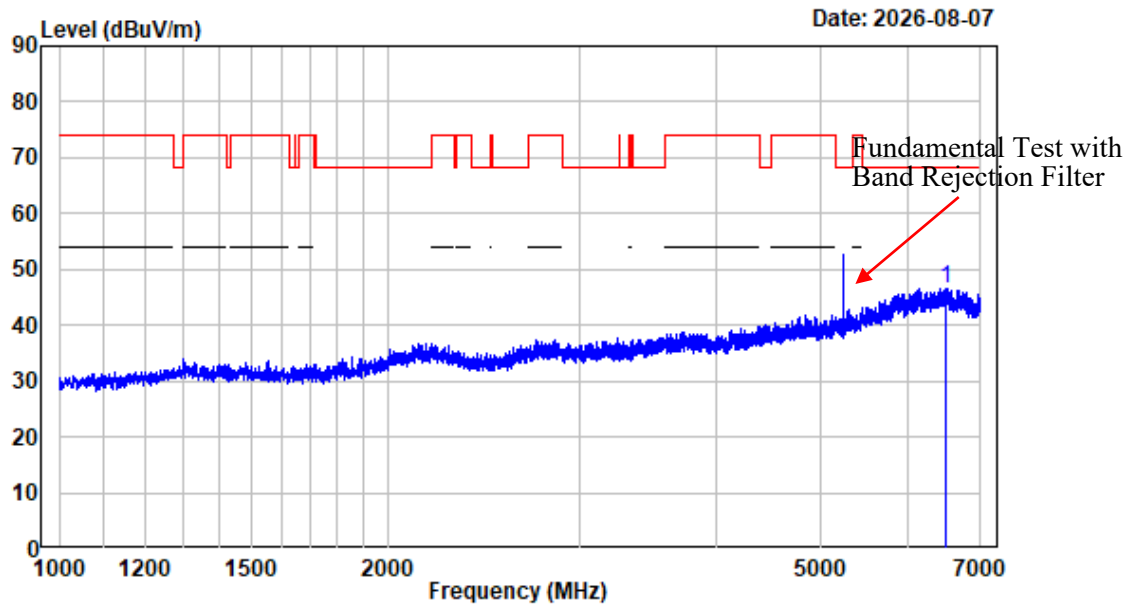
7-18GHz\_Vertical\_Average\_802.11a\_5180MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND1\_A\_5180

| Freq Factor |       | Read Level | Level  | Limit Line | Over Limit | Remark  |
|-------------|-------|------------|--------|------------|------------|---------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m     | dB         |         |
| 1 17991.750 | 10.65 | 37.22      | 47.87  | 54.00      | -6.13      | Average |

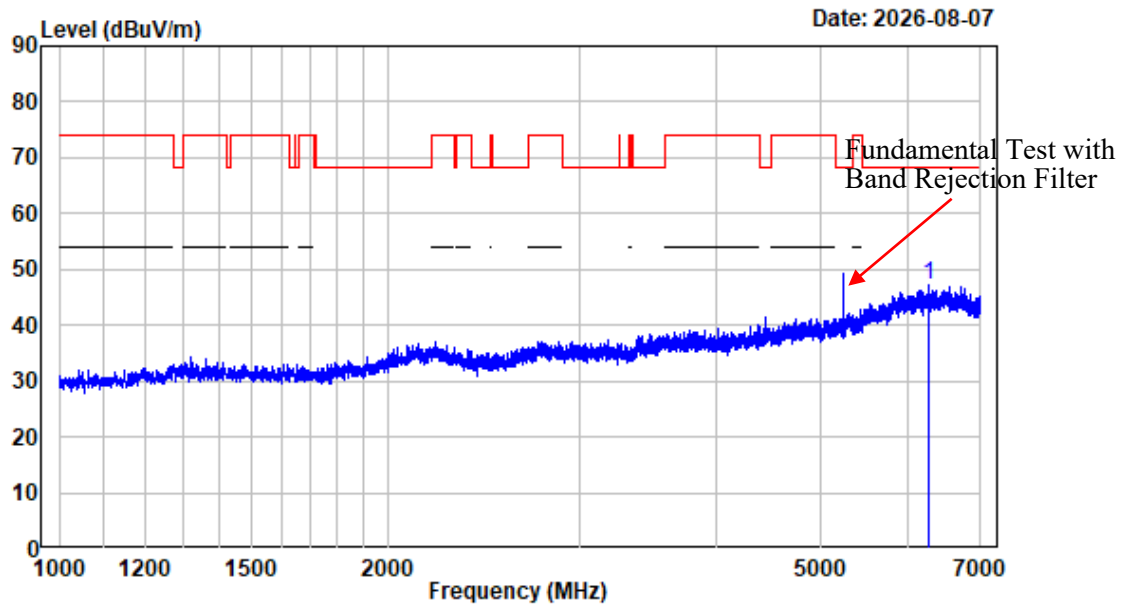
1-7GHz\_Horizontal\_802.11n-ht20\_5240MHz



Condition : Horizontal  
 Project No. : 2601V21493E-RF  
 Tester : Hugh Li  
 Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
 Note : 5gwifi\_BAND1\_N20\_5240

| Freq Factor |          | Read Level | Level  | Limit Line | Over Limit | Remark      |
|-------------|----------|------------|--------|------------|------------|-------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m     | dB         |             |
| 1           | 6502.000 | -1.65      | 48.27  | 46.62      | 68.20      | -21.58 Peak |

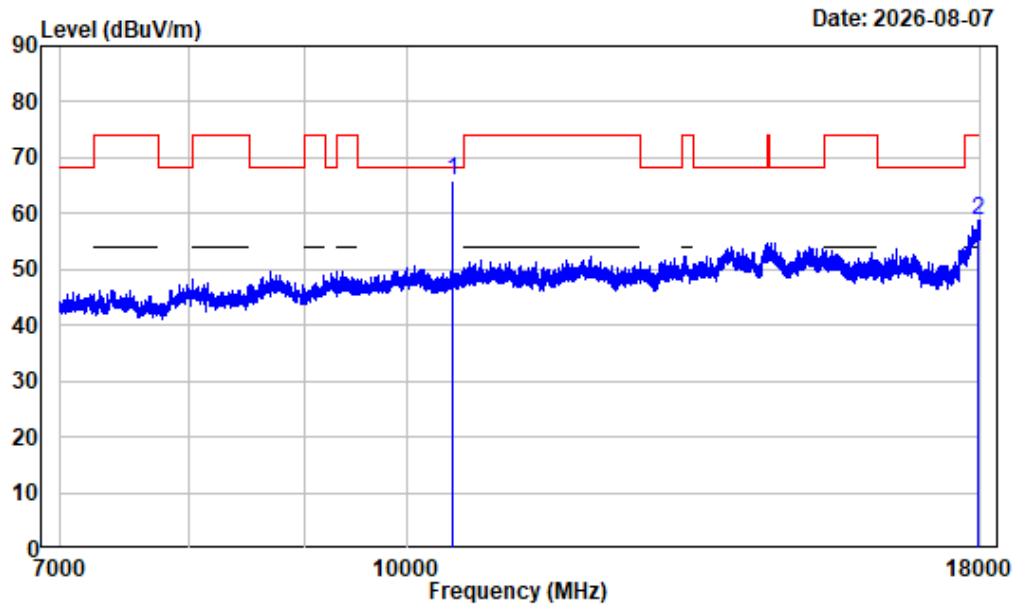
## 1-7GHz\_Vertical\_802.11n-ht20\_5240MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N20\_5240

| Freq Factor |          | Read Level |        | Limit Line | Over Limit | Remark      |
|-------------|----------|------------|--------|------------|------------|-------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m     | dB         |             |
| 1           | 6264.250 | -2.38      | 49.74  | 47.36      | 68.20      | -20.84 Peak |

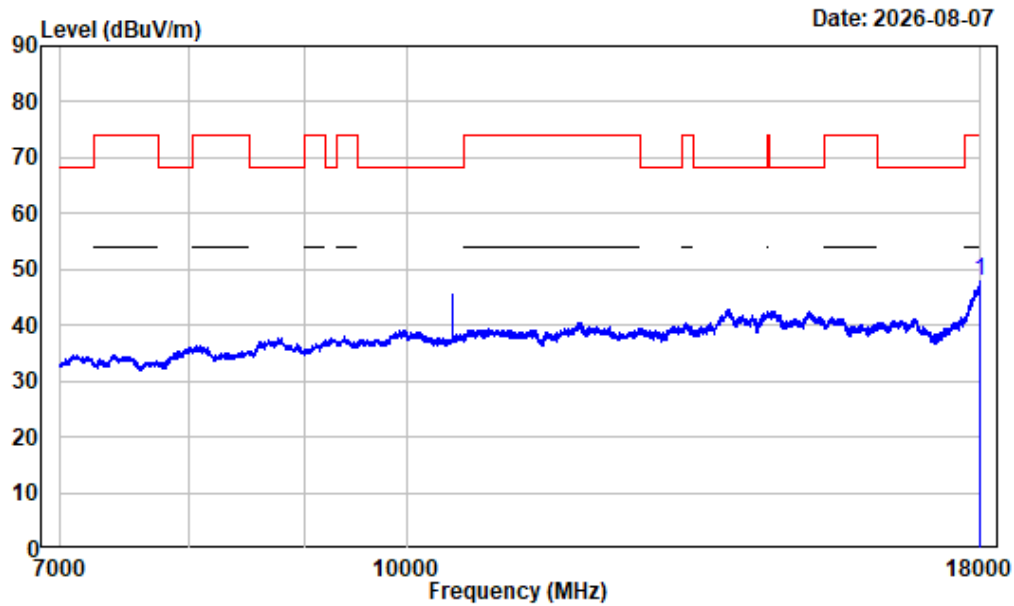
## 7-18GHz\_Horizontal\_Peak\_802.11n-ht20\_5240MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N20\_5240

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 10480.000 | 1.44  | 64.50 | 65.94  | 68.20  | -2.26 Peak  |
| 2 17958.750 | 10.06 | 48.83 | 58.89  | 74.00  | -15.11 Peak |

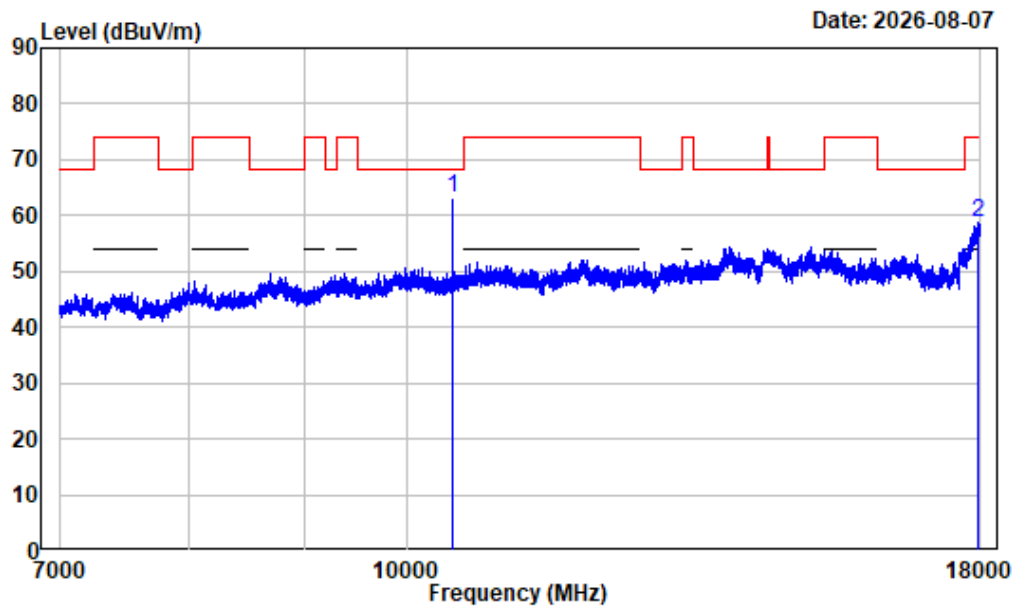
## 7-18GHz\_Horizontal\_Average\_802.11n-ht20\_5240MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND1\_N20\_5240

| Freq Factor |       | Read Level |        | Limit Line | Over Limit | Remark  |
|-------------|-------|------------|--------|------------|------------|---------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m     | dB         |         |
| 1 17987.630 | 10.58 | 37.17      | 47.75  | 54.00      | -6.25      | Average |

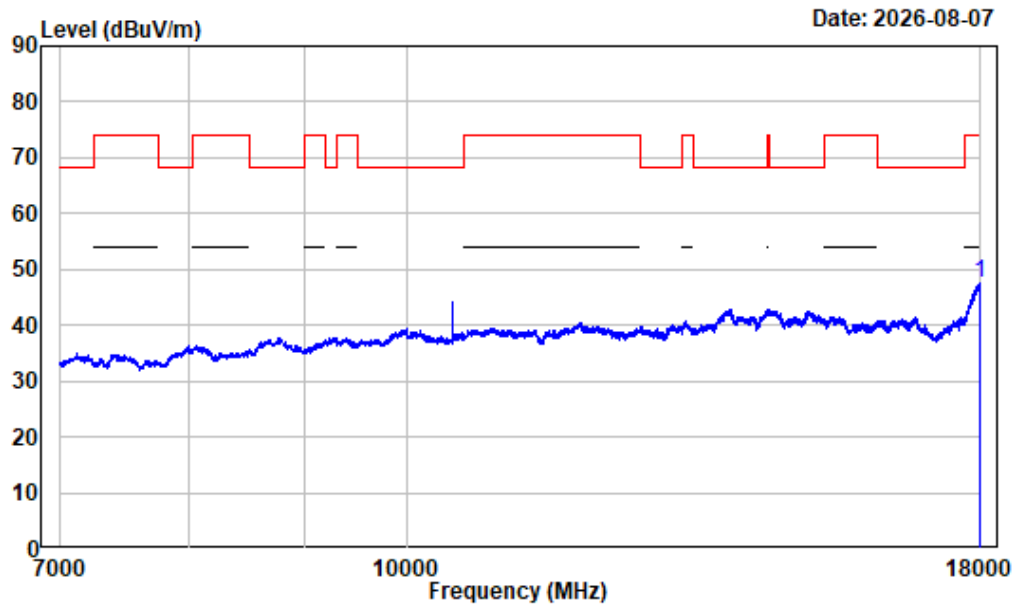
## 7-18GHz\_Vertical\_Peak\_802.11n-ht20\_5240MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N20\_5240

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 10480.000 | 1.44  | 61.63 | 63.07  | 68.20  | -5.13 Peak  |
| 2 17961.500 | 10.11 | 48.62 | 58.73  | 74.00  | -15.27 Peak |

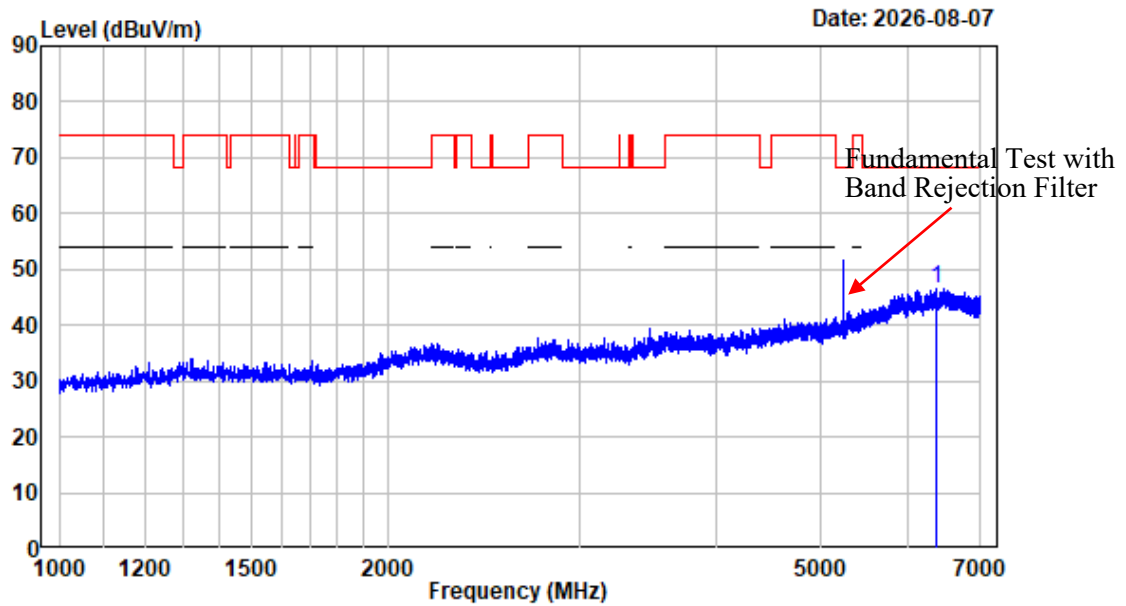
7-18GHz\_Vertical\_Average\_802.11n-ht20\_5240MHz



Condition : Vertical  
 Project No. : 2601V21493E-RF  
 Tester : Hugh Li  
 Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
 Note : 5gwifi\_BAND1\_N20\_5240

| Freq Factor |       | Read Level | Level  | Limit Line | Over Limit | Remark  |
|-------------|-------|------------|--------|------------|------------|---------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m     | dB         |         |
| 1 17998.630 | 10.78 | 36.76      | 47.54  | 54.00      | -6.46      | Average |

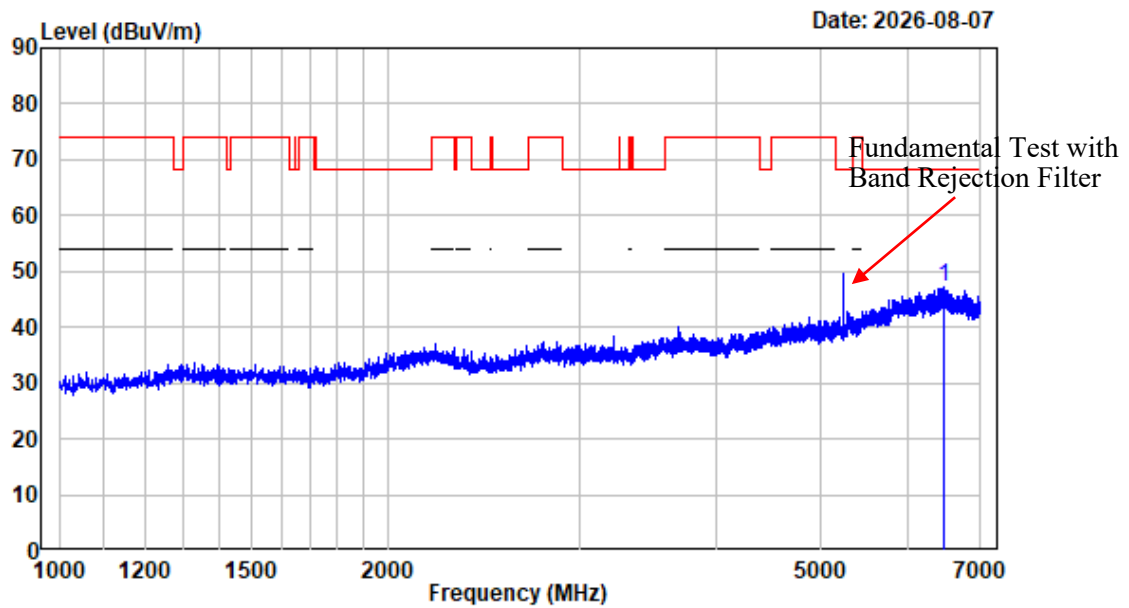
1-7GHz\_Horizontal\_802.11n-ht40\_5230MHz



Condition : Horizontal  
 Project No. : 2601V21493E-RF  
 Tester : Hugh Li  
 Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
 Note : 5gwifi\_BAND1\_N40\_5230

|   | Freq     | Factor | Read  |        | Limit  | Over   | Remark |
|---|----------|--------|-------|--------|--------|--------|--------|
|   |          |        | Level | Level  | Line   | Limit  |        |
|   | MHz      | dB/m   | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 6382.750 | -2.19  | 48.84 | 46.65  | 68.20  | -21.55 | Peak   |

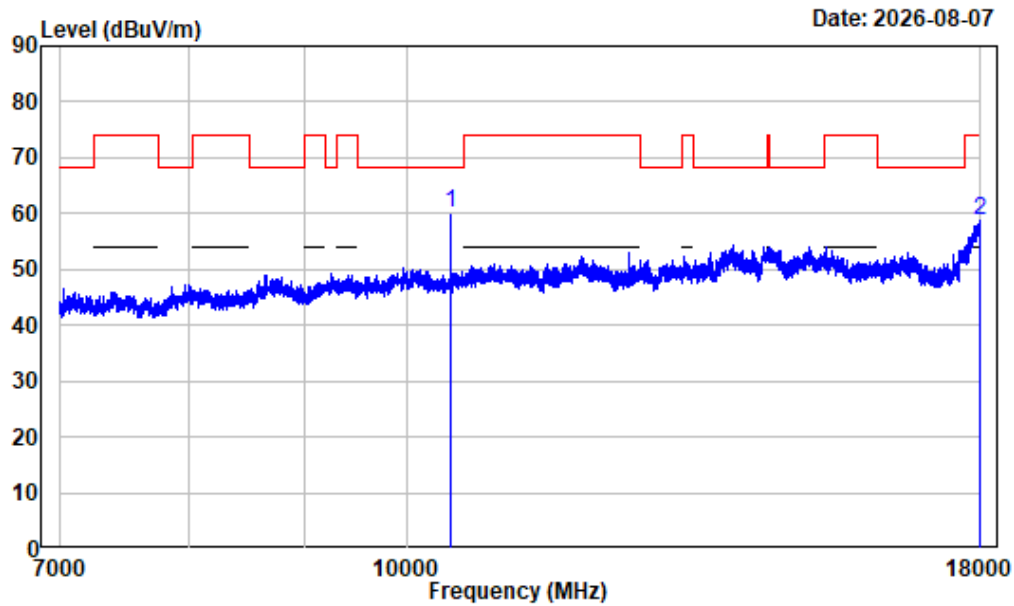
## 1-7GHz\_Vertical\_802.11n-ht40\_5230MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N40\_5230

| Freq Factor |          | Read Level | Level  | Limit Line | Over Limit | Remark      |
|-------------|----------|------------|--------|------------|------------|-------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m     | dB         |             |
| 1           | 6480.250 | -1.86      | 49.21  | 47.35      | 68.20      | -20.85 Peak |

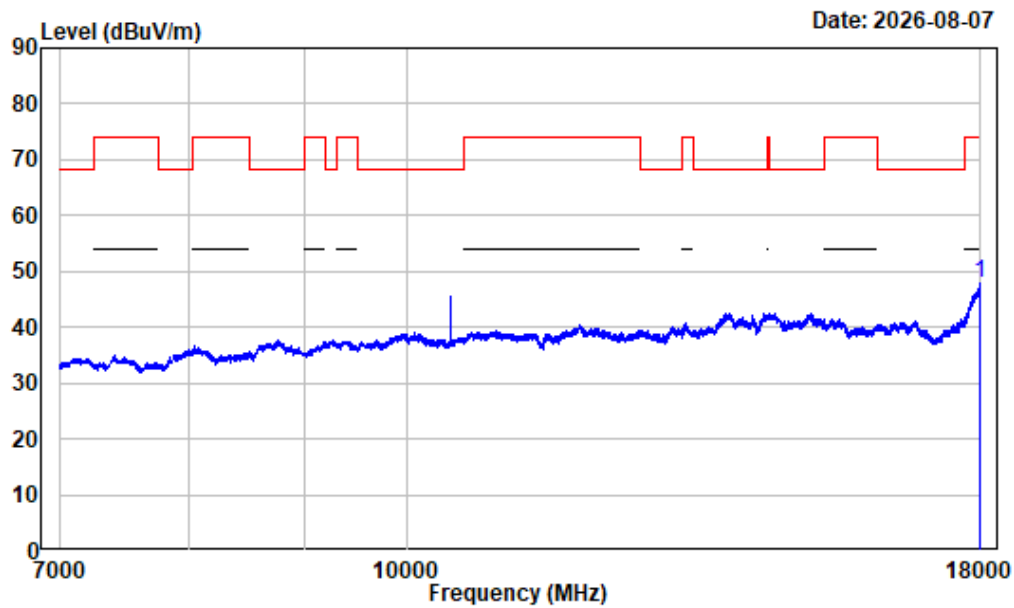
## 7-18GHz\_Horizontal\_Peak\_802.11n-ht40\_5230MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N40\_5230

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 10460.000 | 1.49  | 58.55 | 60.04  | 68.20  | -8.16 Peak  |
| 2 17991.750 | 10.65 | 48.08 | 58.73  | 74.00  | -15.27 Peak |

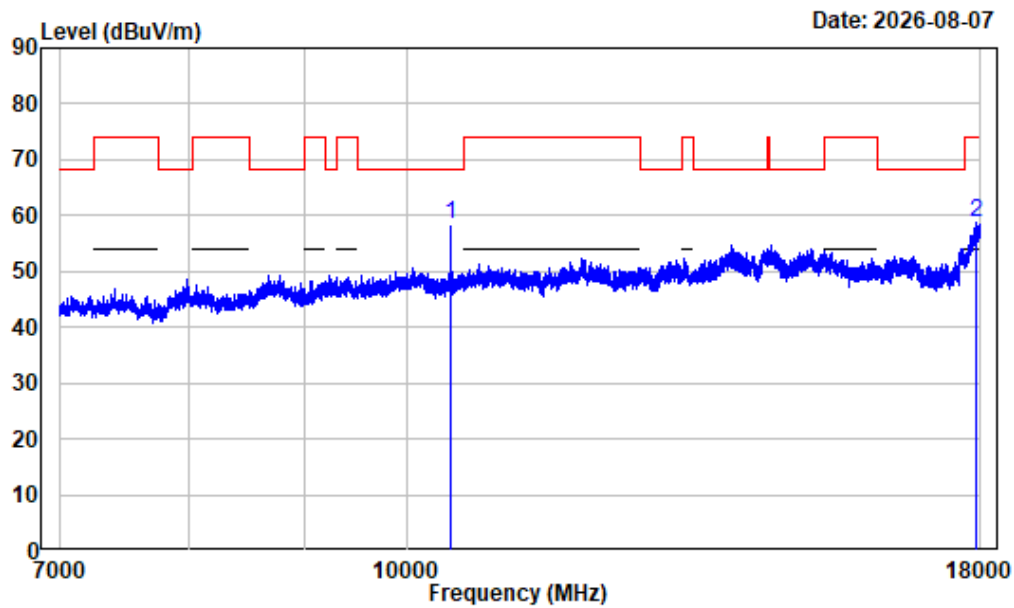
## 7-18GHz\_Horizontal\_Average\_802.11n-ht40\_5230MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND1\_N40\_5230

| Freq Factor |       | Read Level |        | Limit  | Over  | Remark  |
|-------------|-------|------------|--------|--------|-------|---------|
|             |       |            |        | Line   | Limit |         |
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB    |         |
| 1 17997.250 | 10.75 | 37.01      | 47.76  | 54.00  | -6.24 | Average |

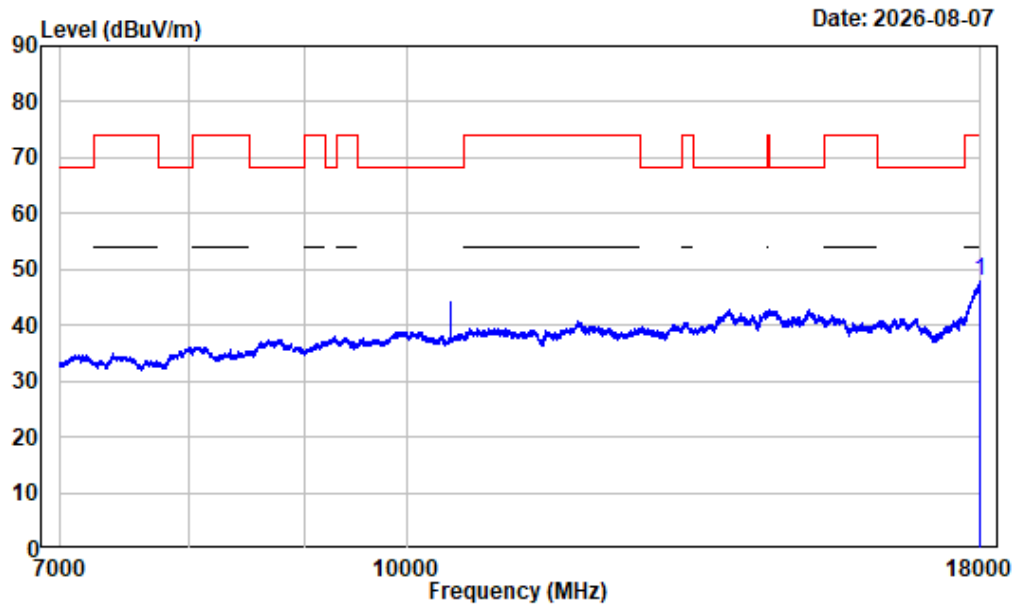
## 7-18GHz\_Vertical\_Peak\_802.11n-ht40\_5230MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N40\_5230

| Freq Factor |      | Read  | Limit  | Over   | Remark      |
|-------------|------|-------|--------|--------|-------------|
| MHz         | dB/m | Level | Level  | Line   |             |
|             |      | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 10460.000 | 1.49 | 56.77 | 58.26  | 68.20  | -9.94 Peak  |
| 2 17923.000 | 9.65 | 49.19 | 58.84  | 74.00  | -15.16 Peak |

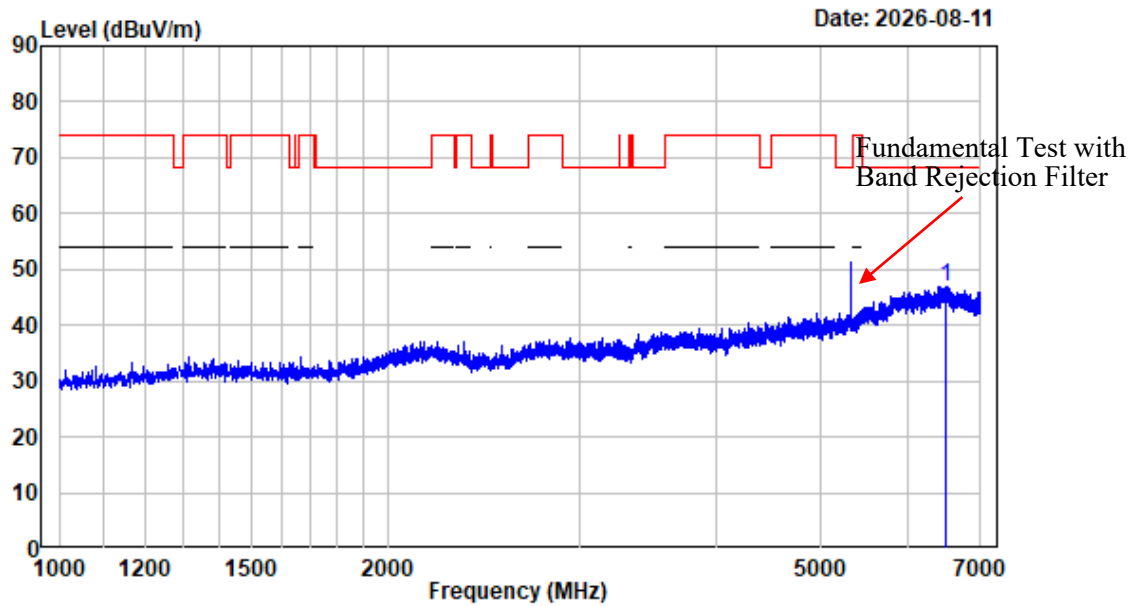
## 7-18GHz\_Vertical\_Average\_802.11n-ht40\_5230MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND1\_N40\_5230

| Freq Factor |       | Read  | Limit  | Over   | Remark        |
|-------------|-------|-------|--------|--------|---------------|
| MHz         | dB/m  | Level | Level  | Line   |               |
|             |       | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 17987.630 | 10.58 | 37.25 | 47.83  | 54.00  | -6.17 Average |

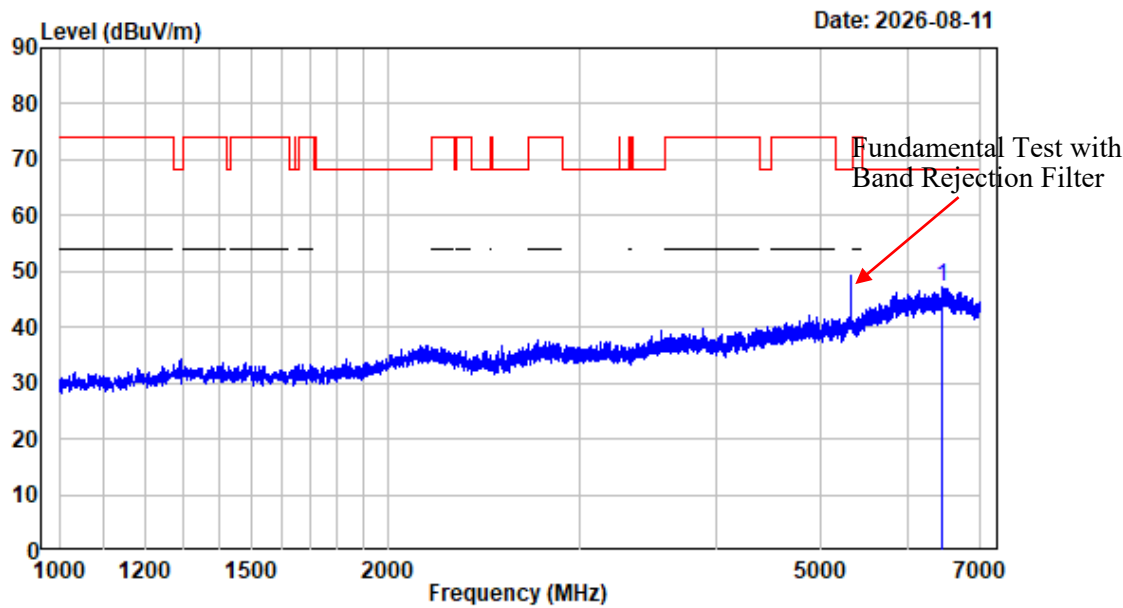
1-7GHz\_Horizontal\_802.11a\_5320MHz



Condition : Horizontal  
 Project No. : 2601V21493E-RF  
 Tester : Hugh Li  
 Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
 Note : 5gwifi\_BAND2\_A\_5320

| Freq Factor |       | Read Level | Level  | Limit Line | Over Limit | Remark |
|-------------|-------|------------|--------|------------|------------|--------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1 6516.250  | -1.72 | 48.56      | 46.84  | 68.20      | -21.36     | Peak   |

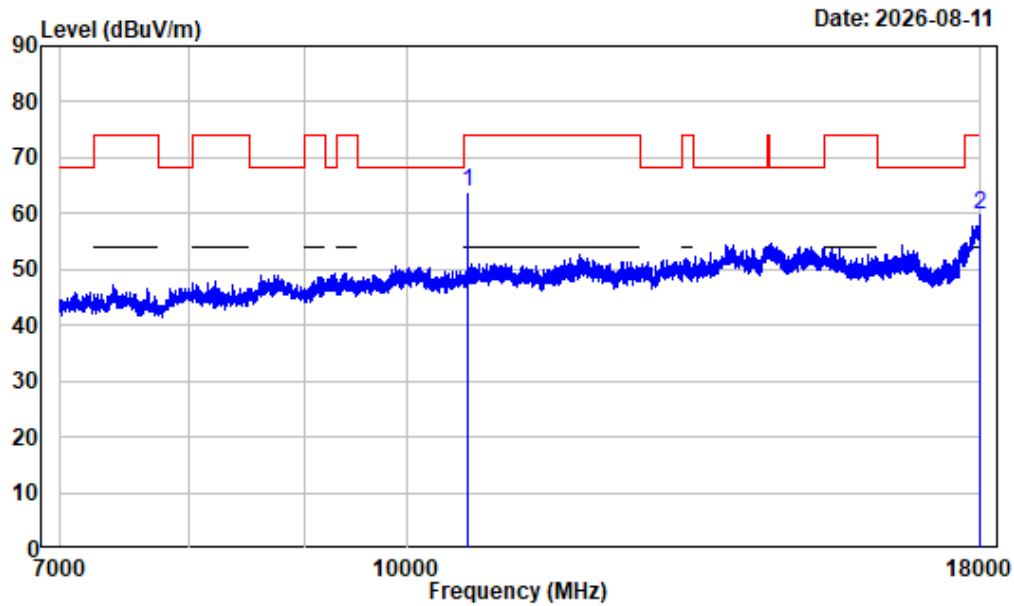
1-7GHz\_Vertical\_802.11a\_5320MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_A\_5320

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 6466.000  | -2.01 | 49.10 | 47.09  | 68.20  | -21.11 Peak |

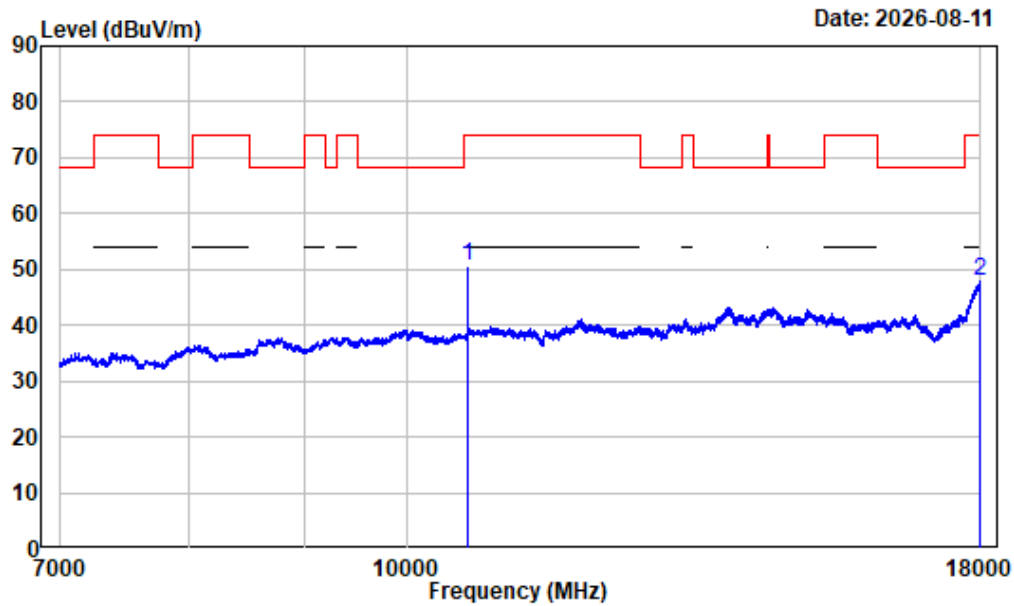
## 7-18GHz\_Horizontal\_Peak\_802.11a\_5320MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_A\_5320

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 10640.000 | 1.80  | 62.19 | 63.99  | 74.00  | -10.01 Peak |
| 2 17978.000 | 10.40 | 49.29 | 59.69  | 74.00  | -14.31 Peak |

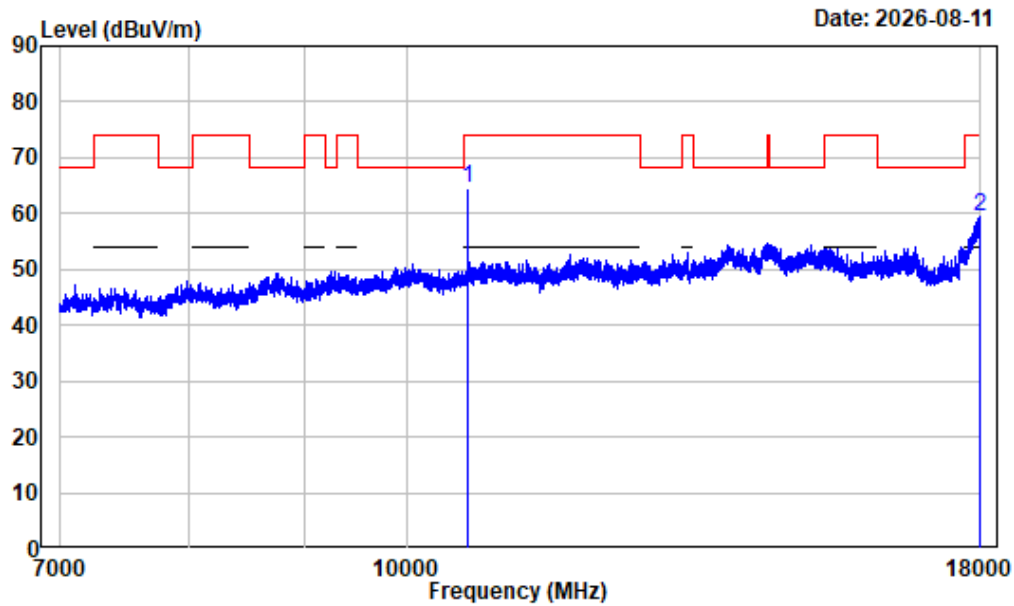
## 7-18GHz\_Horizontal\_Average\_802.11a\_5320MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND2\_A\_5320

| Freq Factor |       | Read Level |        | Limit  | Over  | Remark  |
|-------------|-------|------------|--------|--------|-------|---------|
|             |       |            |        | Line   | Limit |         |
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB    |         |
| 1 10640.000 | 1.80  | 48.91      | 50.71  | 54.00  | -3.29 | Average |
| 2 17994.500 | 10.70 | 37.16      | 47.86  | 54.00  | -6.14 | Average |

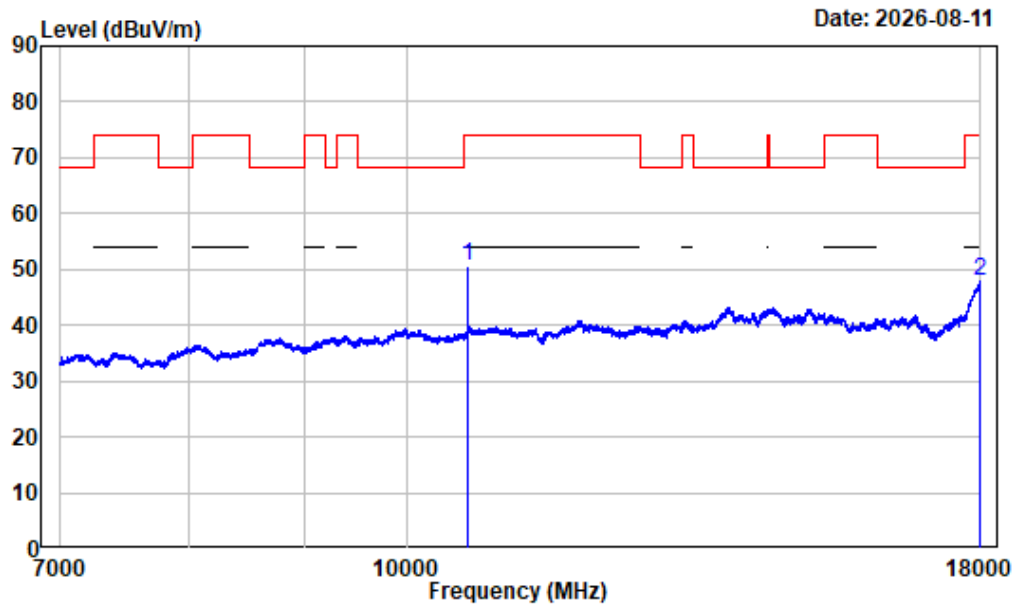
## 7-18GHz\_Vertical\_Peak\_802.11a\_5320MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_A\_5320

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 10640.000 | 1.80  | 62.83 | 64.63  | 74.00  | -9.37 Peak  |
| 2 17990.380 | 10.63 | 48.72 | 59.35  | 74.00  | -14.65 Peak |

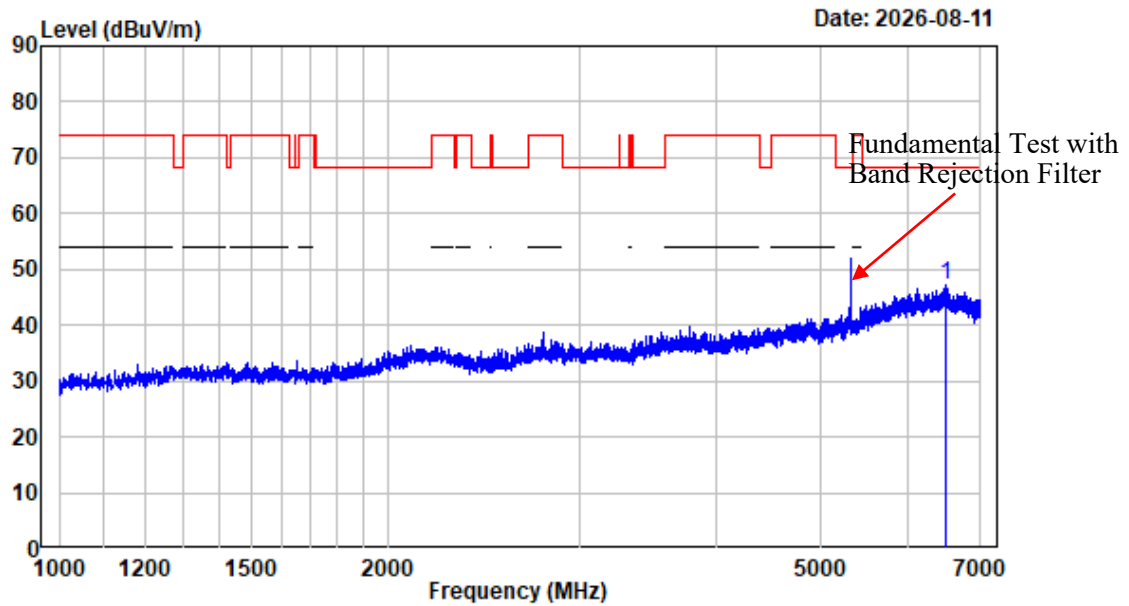
## 7-18GHz\_Vertical\_Average\_802.11a\_5320MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND2\_A\_5320

| Freq Factor |       | Read Level |        | Limit  | Over  | Remark  |
|-------------|-------|------------|--------|--------|-------|---------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB    |         |
| 1 10640.000 | 1.80  | 48.69      | 50.49  | 54.00  | -3.51 | Average |
| 2 17990.380 | 10.63 | 37.15      | 47.78  | 54.00  | -6.22 | Average |

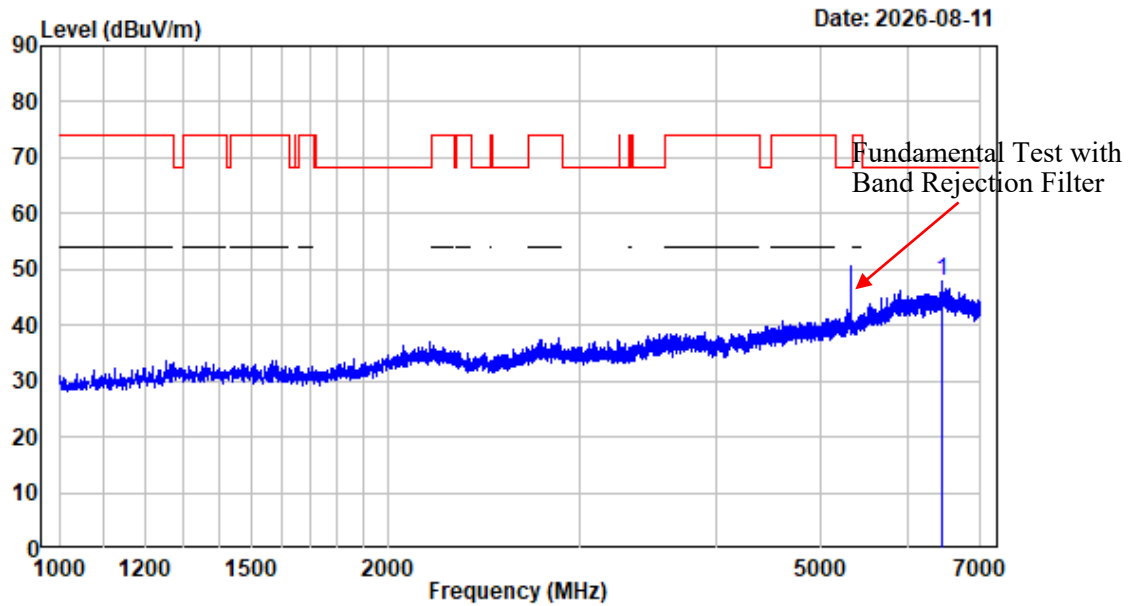
## 1-7GHz\_Horizontal\_802.11n-ht20\_5320MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N20\_5320

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 6517.750  | -1.73 | 48.82 | 47.09  | 68.20  | -21.11 Peak |

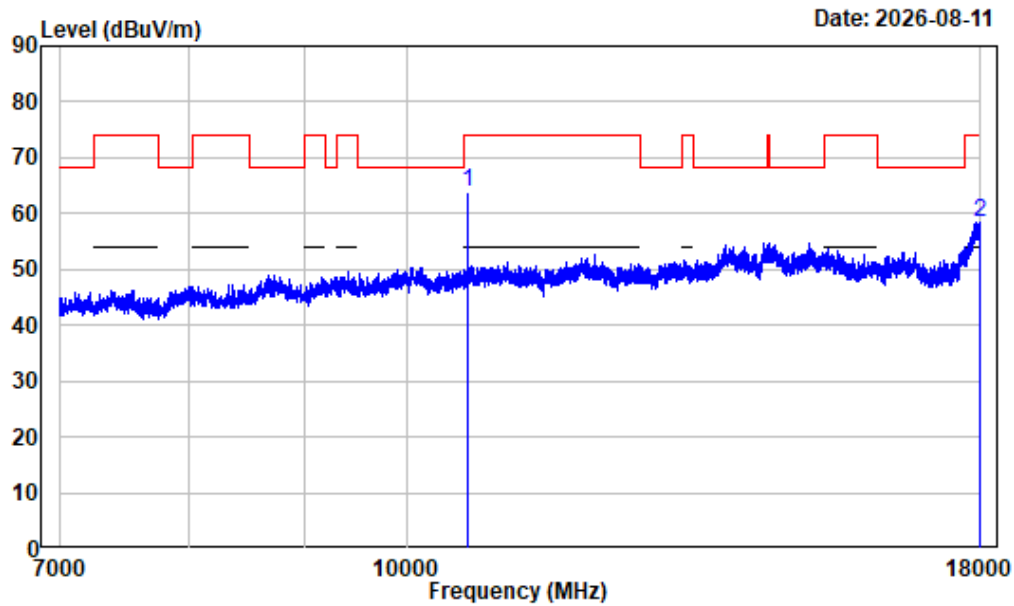
1-7GHz\_Vertical\_802.11n-ht20\_5320MHz



Condition : Vertical  
 Project No. : 2601V21493E-RF  
 Tester : Hugh Li  
 Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
 Note : 5gwifi\_BAND2\_N20\_5320

| Freq Factor |       | Read Level | Level  | Limit Line | Over Limit | Remark |
|-------------|-------|------------|--------|------------|------------|--------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1 6460.750  | -2.07 | 49.92      | 47.85  | 68.20      | -20.35     | Peak   |

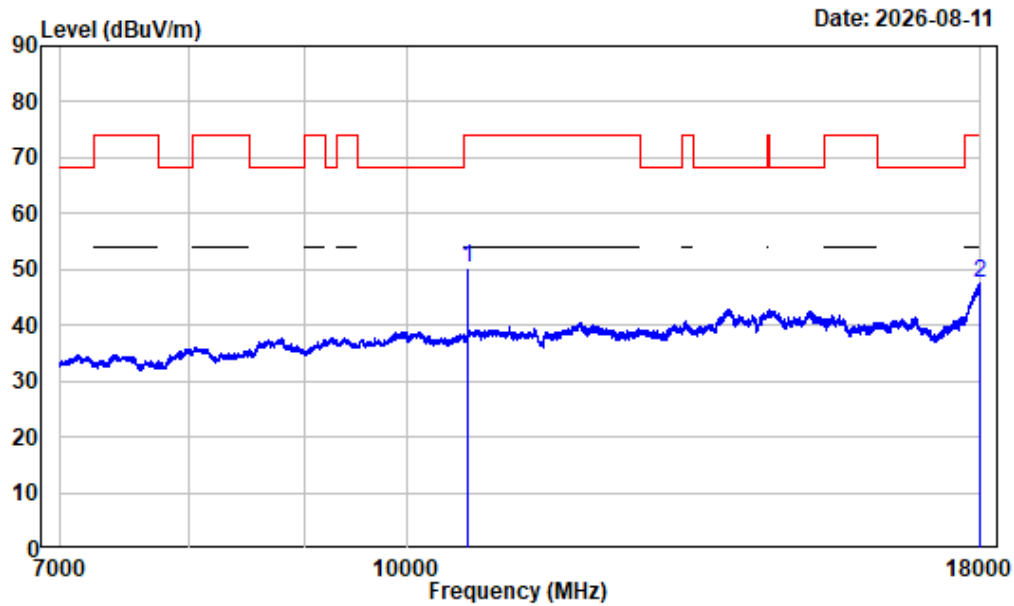
## 7-18GHz\_Horizontal\_Peak\_802.11n-ht20\_5320MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N20\_5320

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 10640.000 | 1.80  | 61.97 | 63.77  | 74.00  | -10.23 Peak |
| 2 17993.130 | 10.68 | 47.80 | 58.48  | 74.00  | -15.52 Peak |

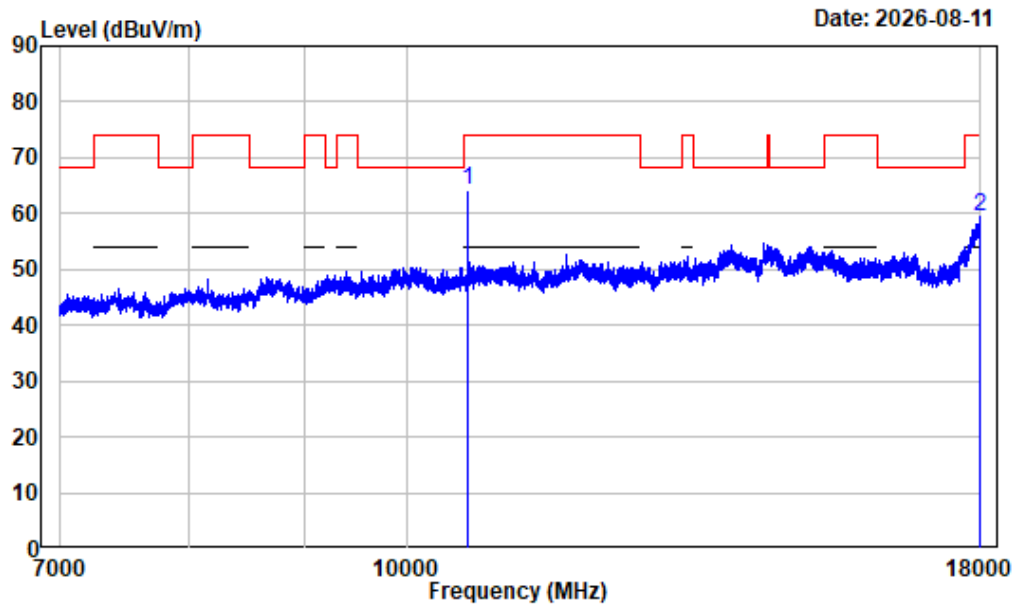
## 7-18GHz\_Horizontal\_Average\_802.11n-ht20\_5320MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND2\_N20\_5320

| Freq Factor |       | Read  | Limit  | Over   | Remark        |
|-------------|-------|-------|--------|--------|---------------|
| MHz         | dB/m  | Level | Level  | Line   |               |
|             |       | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 10640.000 | 1.80  | 48.36 | 50.16  | 54.00  | -3.84 Average |
| 2 17986.250 | 10.55 | 37.05 | 47.60  | 54.00  | -6.40 Average |

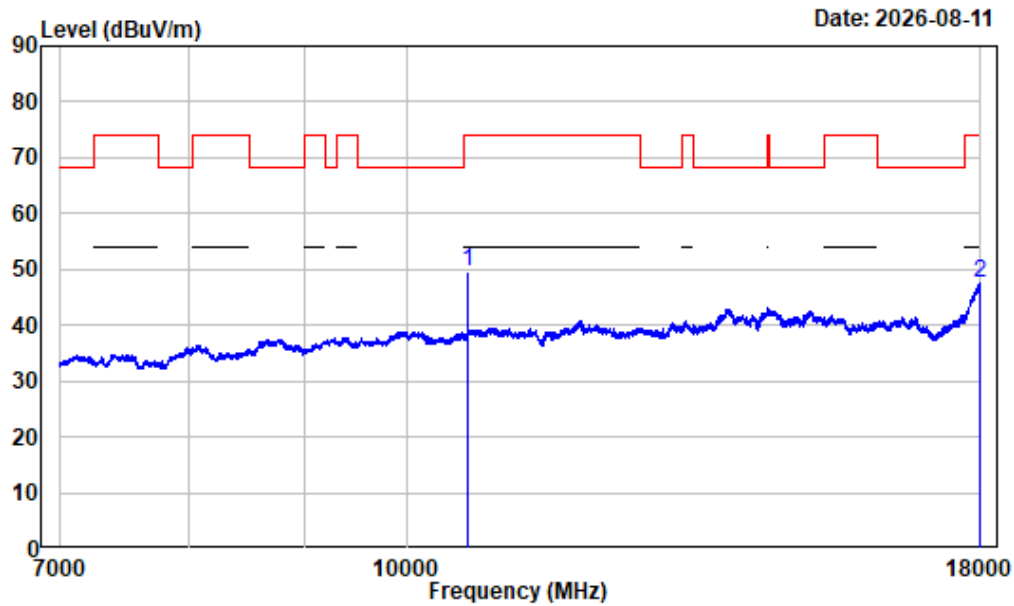
## 7-18GHz\_Vertical\_Peak\_802.11n-ht20\_5320MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N20\_5320

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 10640.000 | 1.80  | 62.25 | 64.05  | 74.00  | -9.95 Peak  |
| 2 17986.250 | 10.55 | 48.76 | 59.31  | 74.00  | -14.69 Peak |

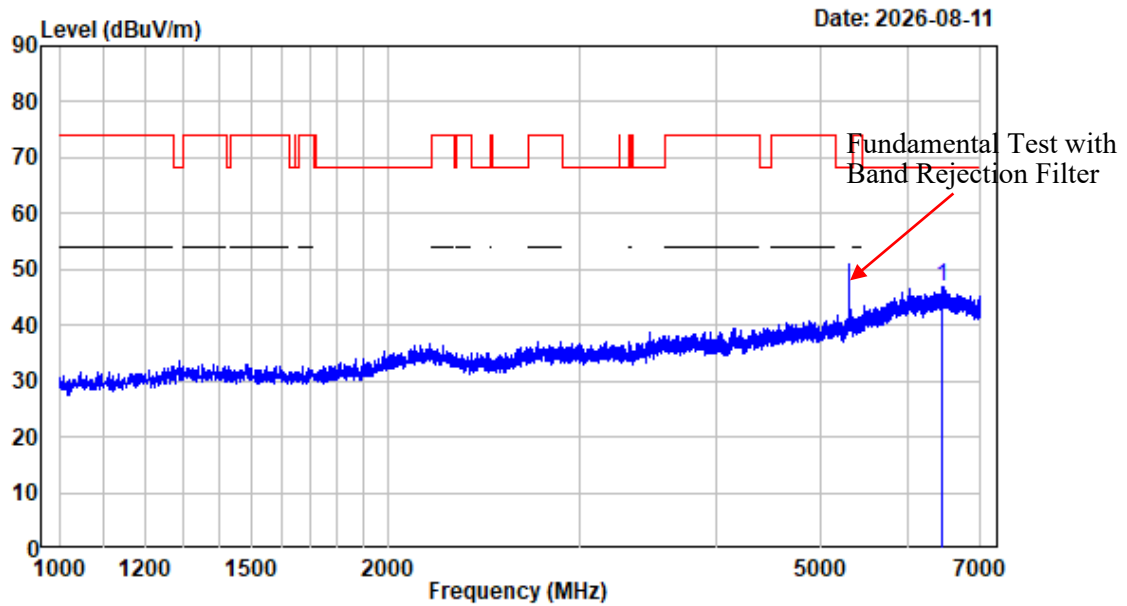
## 7-18GHz\_Vertical\_Average\_802.11n-ht20\_5320MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND2\_N20\_5320

| Freq Factor |       | Read Level |        | Limit  | Over  | Remark  |
|-------------|-------|------------|--------|--------|-------|---------|
|             |       |            |        | Line   | Limit |         |
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB    |         |
| 1 10640.000 | 1.80  | 47.66      | 49.46  | 54.00  | -4.54 | Average |
| 2 17988.480 | 10.80 | 36.89      | 47.69  | 54.00  | -6.31 | Average |

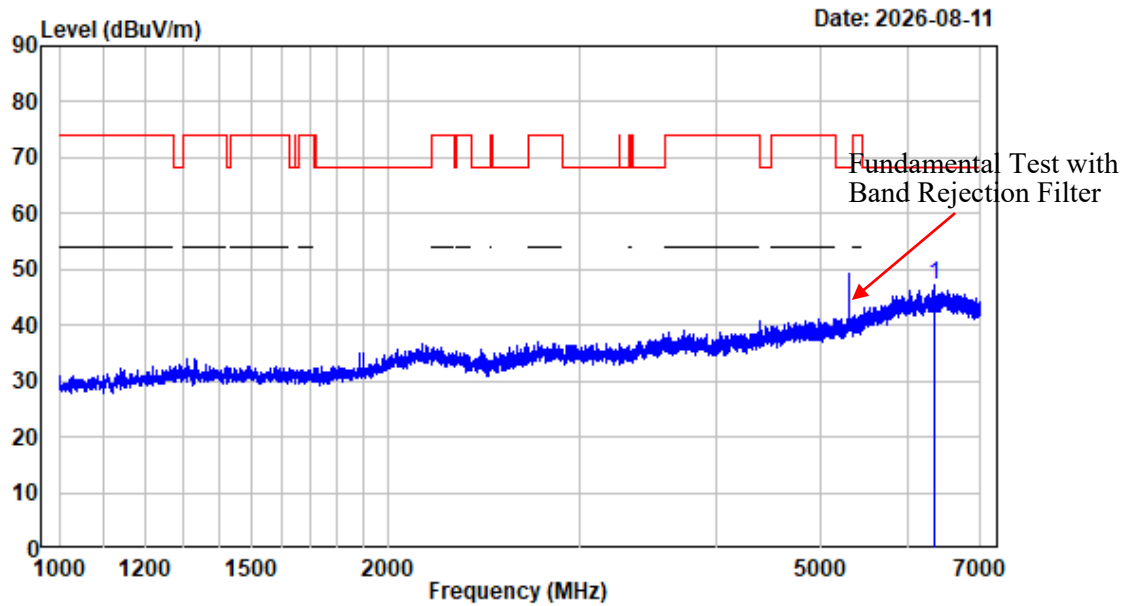
## 1-7GHz\_Horizontal\_802.11n-ht40\_5310MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5310

| Freq Factor |          | Read Level | Level  | Limit Line | Over Limit | Remark      |
|-------------|----------|------------|--------|------------|------------|-------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m     | dB         |             |
| 1           | 6452.500 | -2.17      | 49.17  | 47.00      | 68.20      | -21.20 Peak |

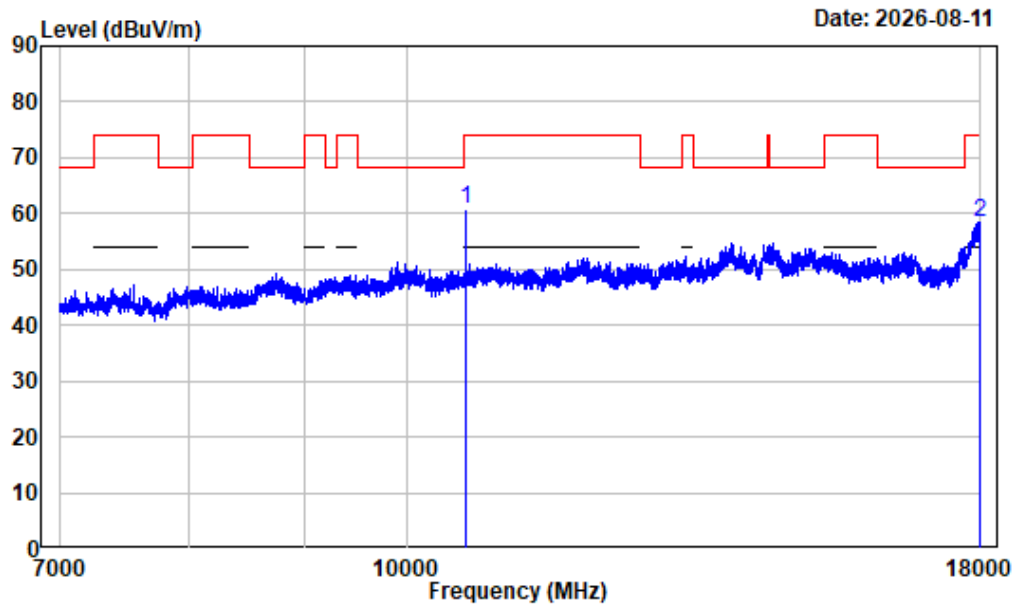
## 1-7GHz\_Vertical\_802.11n-ht40\_5310MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5310

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 6345.250  | -2.24 | 49.52 | 47.28  | 68.20  | -20.92 Peak |

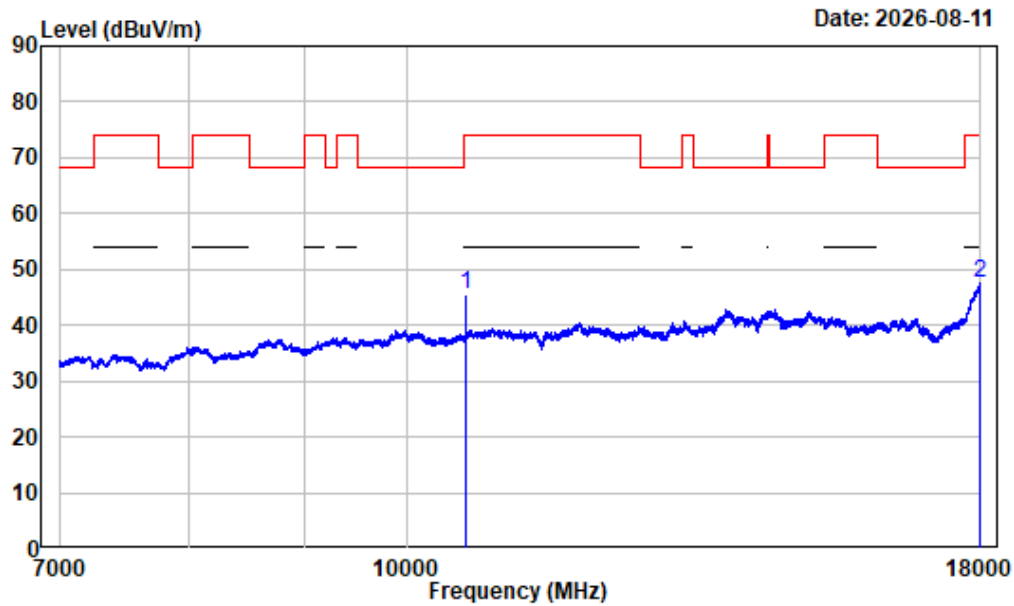
## 7-18GHz\_Horizontal\_Peak\_802.11n-ht40\_5310MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5310

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 10620.000 | 1.67  | 59.00 | 60.67  | 74.00  | -13.33 Peak |
| 2 17997.250 | 10.75 | 47.76 | 58.51  | 74.00  | -15.49 Peak |

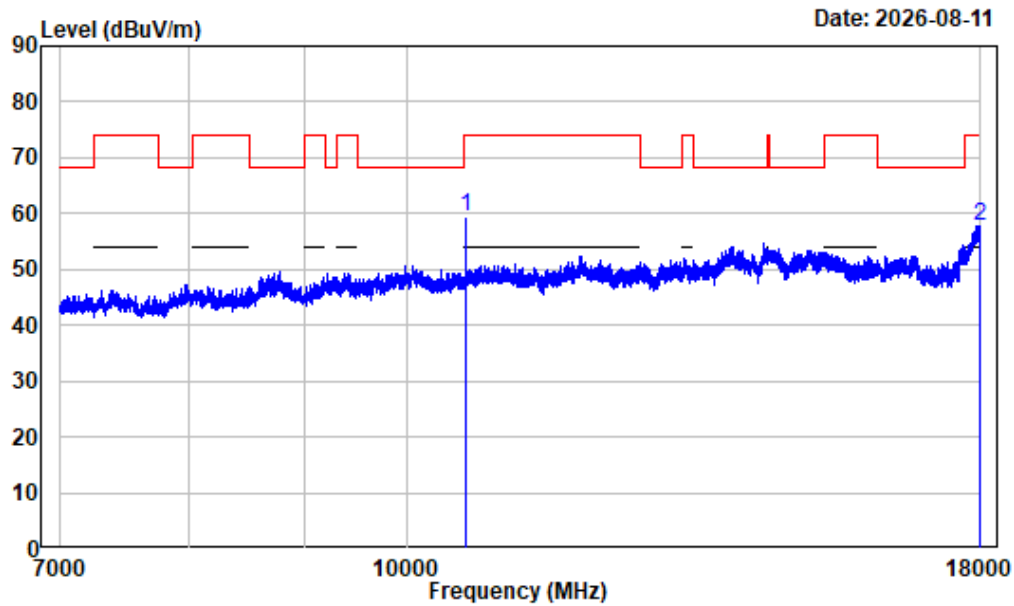
## 7-18GHz\_Horizontal\_Average\_802.11n-ht40\_5310MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5310

| Freq Factor |       | Read Level |        | Limit  | Over  | Remark  |
|-------------|-------|------------|--------|--------|-------|---------|
|             |       |            |        | Line   | Limit |         |
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB    |         |
| 1 10620.000 | 1.67  | 43.96      | 45.63  | 54.00  | -8.37 | Average |
| 2 17991.750 | 10.65 | 36.87      | 47.52  | 54.00  | -6.48 | Average |

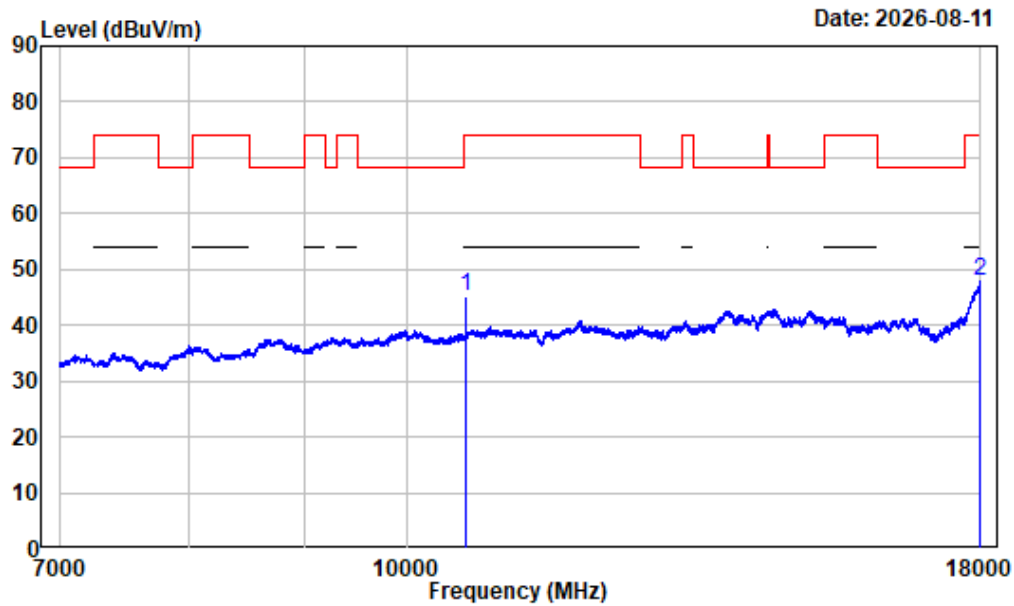
## 7-18GHz\_Vertical\_Peak\_802.11n-ht40\_5310MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5310

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 10620.000 | 1.67  | 57.66 | 59.33  | 74.00  | -14.67 Peak |
| 2 17984.880 | 10.53 | 47.30 | 57.83  | 74.00  | -16.17 Peak |

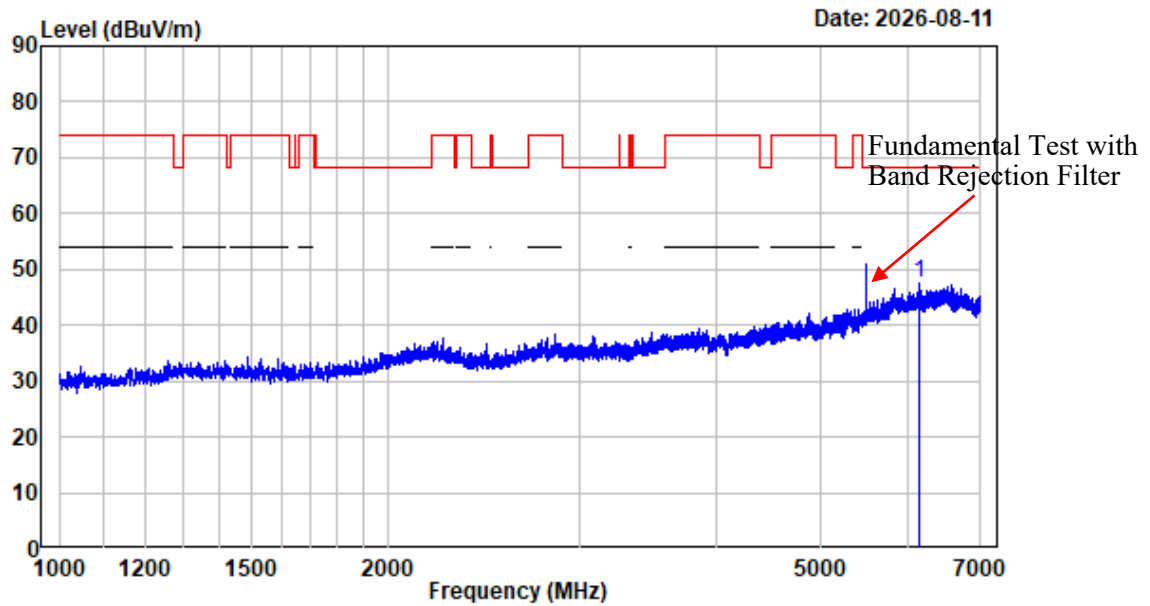
## 7-18GHz\_Vertical\_Average\_802.11n-ht40\_5310MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5310

| Freq Factor |       | Read Level |        | Limit  | Over  | Remark  |
|-------------|-------|------------|--------|--------|-------|---------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB    |         |
| 1 10620.000 | 1.67  | 43.43      | 45.10  | 54.00  | -8.90 | Average |
| 2 17998.630 | 10.78 | 37.07      | 47.85  | 54.00  | -6.15 | Average |

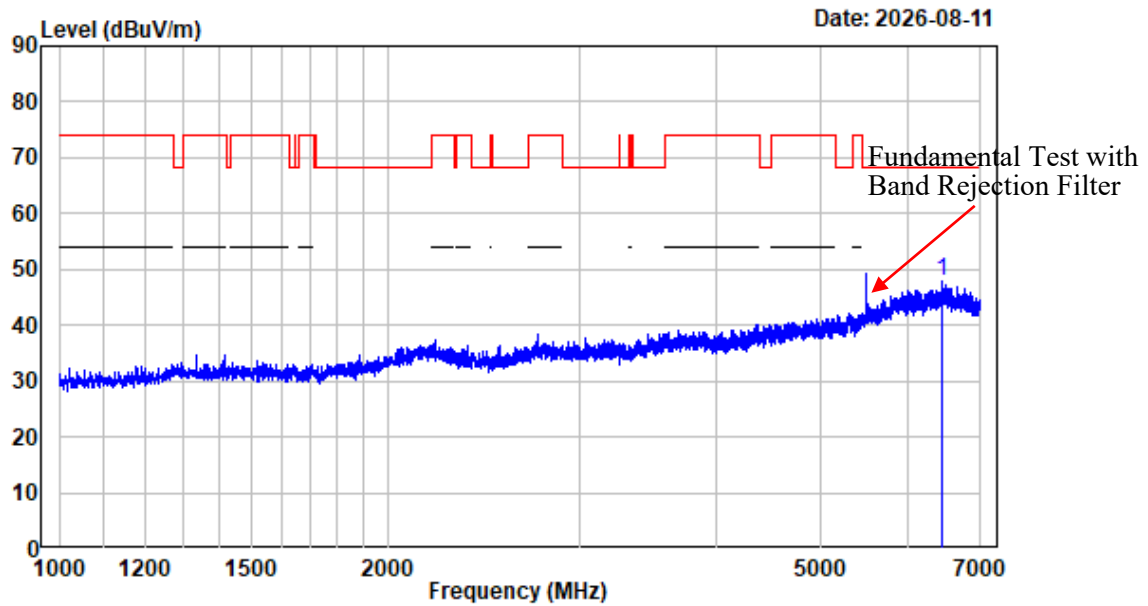
## 1-7GHz\_Horizontal\_802.11a\_5500MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_A\_5500

| Freq Factor |          | Read  | Limit  | Over   | Remark            |
|-------------|----------|-------|--------|--------|-------------------|
|             |          | Level | Level  | Line   |                   |
| MHz         | dB/m     | dBuV  | dBuV/m | dBuV/m | dB                |
| 1           | 6153.250 | -2.21 | 49.92  | 47.71  | 68.20 -20.49 Peak |

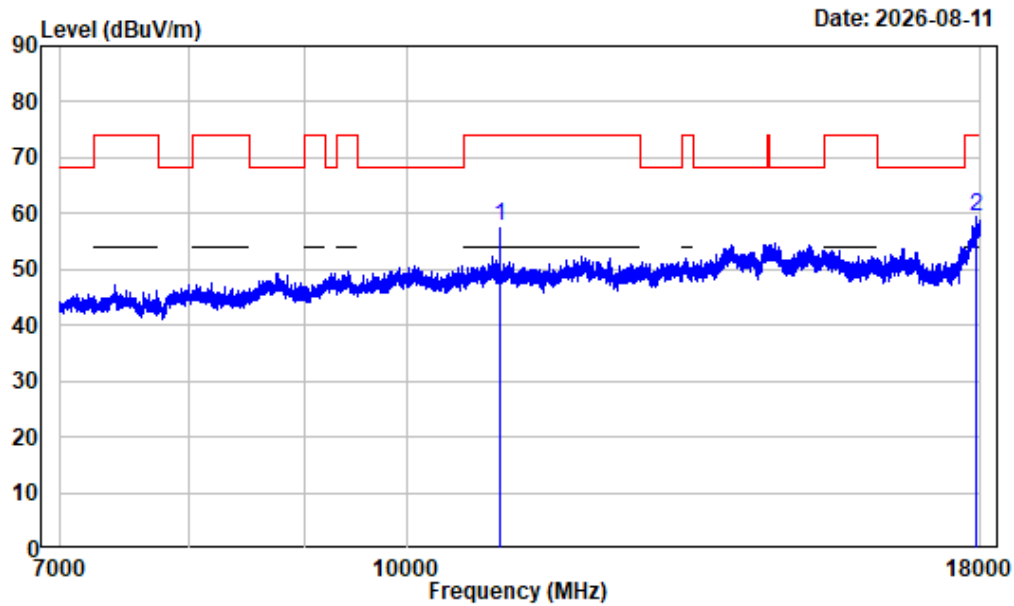
## 1-7GHz\_Vertical\_802.11a\_5500MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_A\_5500

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 6459.250  | -2.08 | 50.00 | 47.92  | 68.20  | -20.28 Peak |

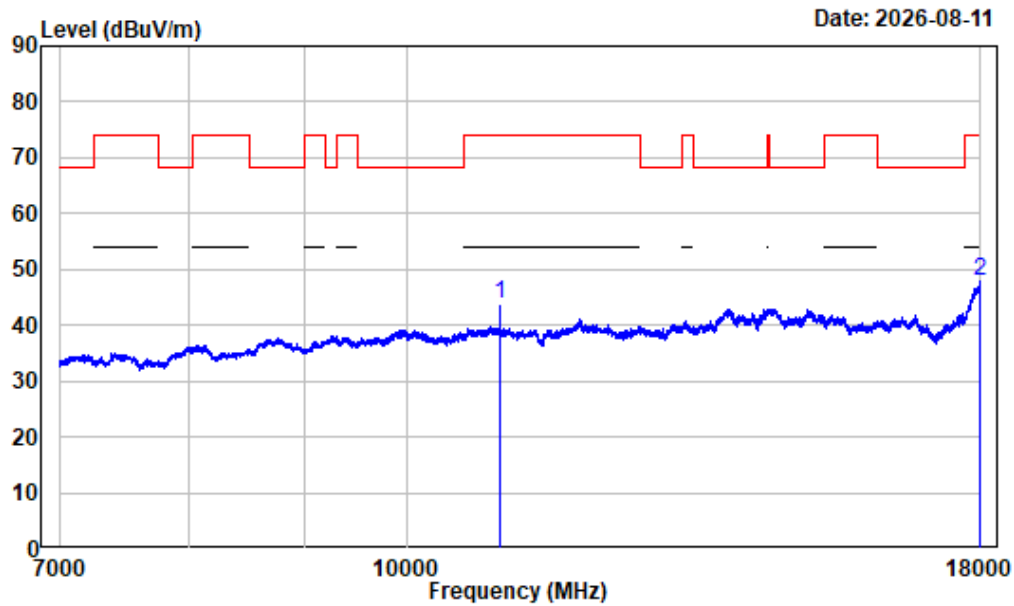
## 7-18GHz\_Horizontal\_Peak\_802.11a\_5500MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_A\_5500

| Freq Factor |      | Read  | Limit  | Over   | Remark      |
|-------------|------|-------|--------|--------|-------------|
| MHz         | dB/m | Level | Level  | Line   |             |
|             |      | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 11000.000 | 3.33 | 54.42 | 57.75  | 74.00  | -16.25 Peak |
| 2 17929.880 | 9.72 | 49.61 | 59.33  | 74.00  | -14.67 Peak |

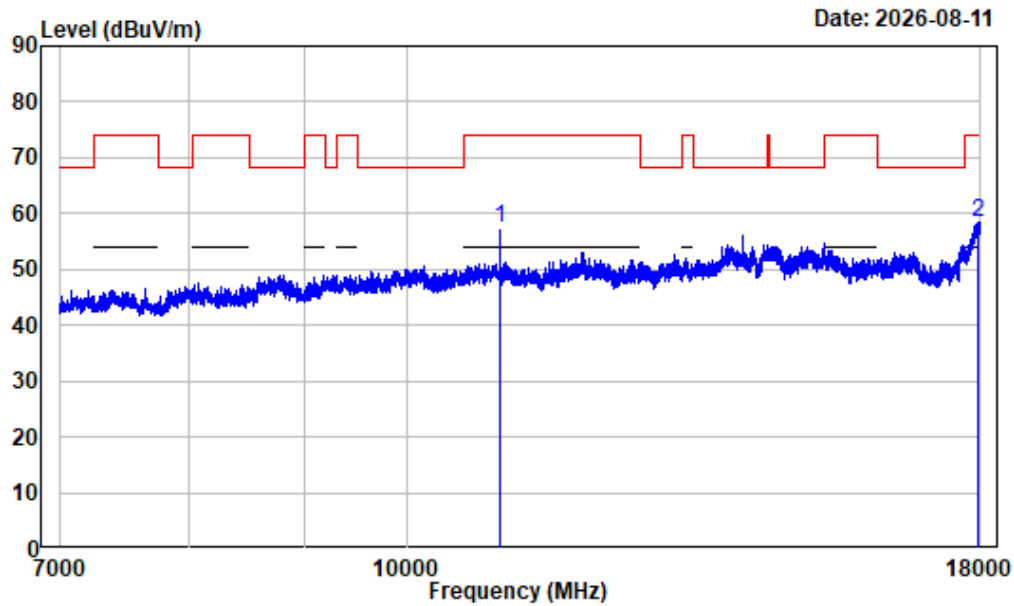
## 7-18GHz\_Horizontal\_Average\_802.11a\_5500MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND3\_A\_5500

| Freq Factor |       | Read  | Limit  | Over   | Remark         |
|-------------|-------|-------|--------|--------|----------------|
| MHz         | dB/m  | Level | Level  | Line   |                |
|             |       | dBuV  | dBuV/m | dBuV/m | dB             |
| 1 11000.000 | 3.33  | 40.55 | 43.88  | 54.00  | -10.12 Average |
| 2 17998.590 | 10.80 | 37.16 | 47.96  | 54.00  | -6.04 Average  |

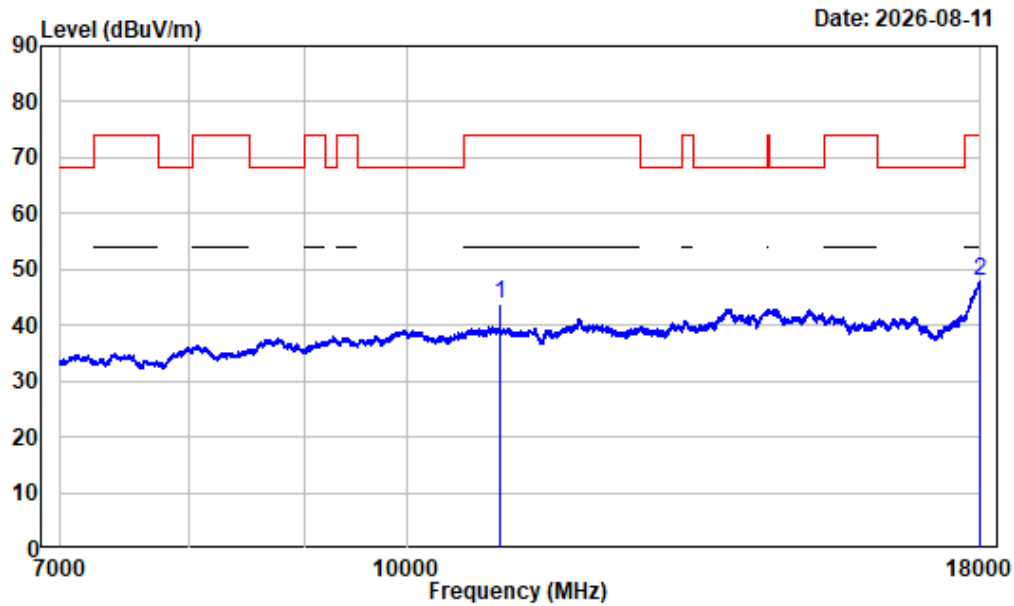
## 7-18GHz\_Vertical\_Peak\_802.11a\_5500MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_A\_5500

| Freq Factor |      | Read  | Limit  | Over   | Remark      |
|-------------|------|-------|--------|--------|-------------|
| MHz         | dB/m | Level | Level  | Line   |             |
|             |      | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 11000.000 | 3.33 | 54.02 | 57.35  | 74.00  | -16.65 Peak |
| 2 17953.250 | 9.96 | 48.46 | 58.42  | 74.00  | -15.58 Peak |

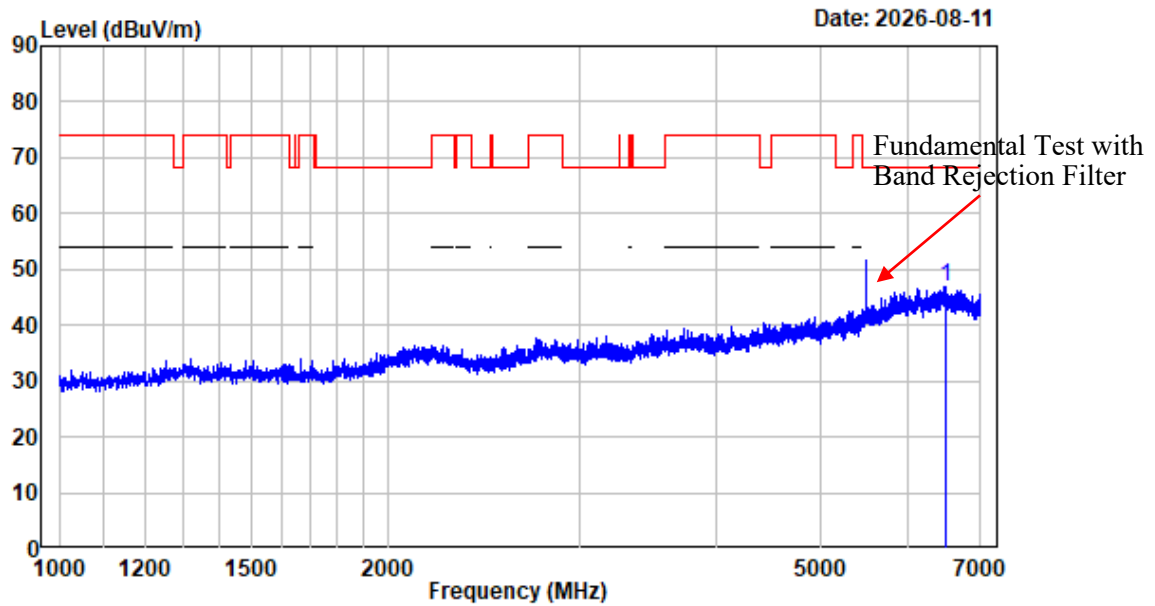
## 7-18GHz\_Vertical\_Average\_802.11a\_5500MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND3\_A\_5500

| Freq Factor |       | Read Level |        | Limit  | Over   | Remark  |
|-------------|-------|------------|--------|--------|--------|---------|
|             |       |            |        | Line   | Limit  |         |
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB     |         |
| 1 11000.000 | 3.33  | 40.40      | 43.73  | 54.00  | -10.27 | Average |
| 2 17998.630 | 10.78 | 37.17      | 47.95  | 54.00  | -6.05  | Average |

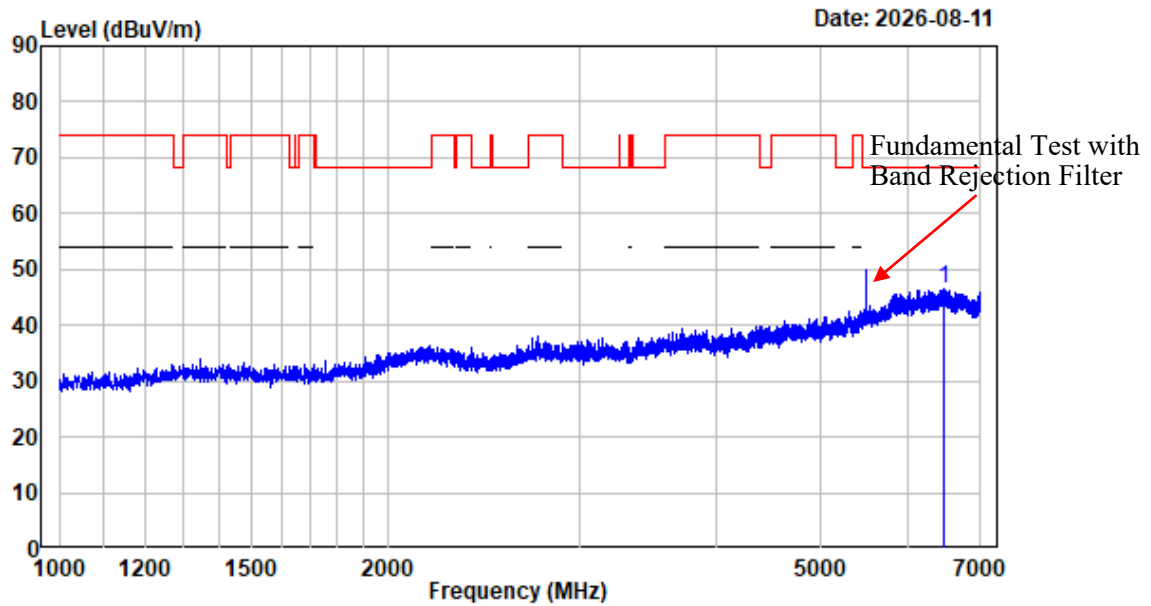
## 1-7GHz\_Horizontal\_802.11n-ht20\_5500MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N20\_5500

|   | Freq     | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|----------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz      | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 6502.750 | -1.66  | 48.58         | 46.92  | 68.20         | -21.28        | Peak   |

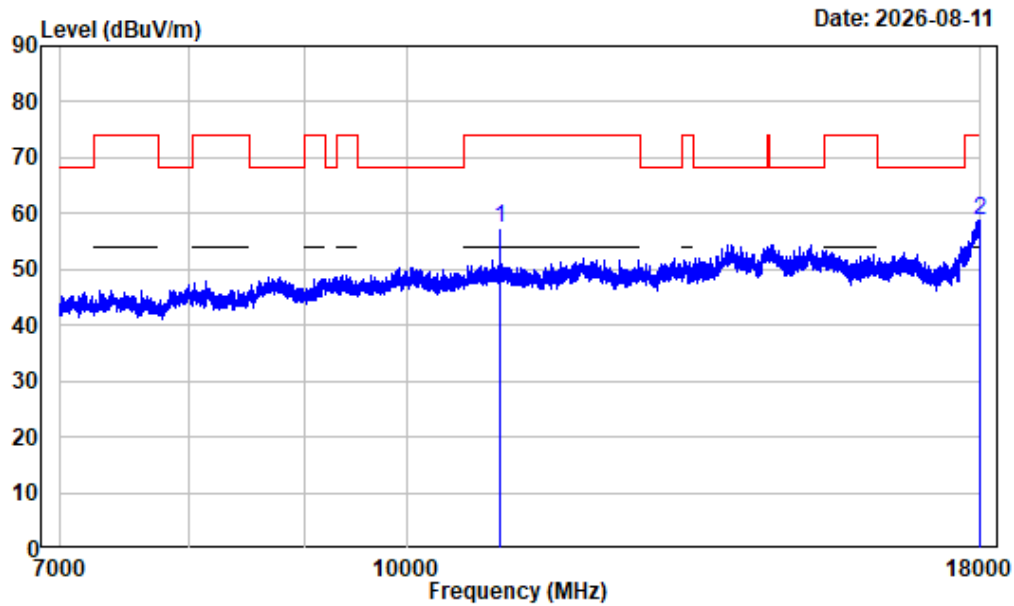
## 1-7GHz\_Vertical\_802.11n-ht20\_5500MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N20\_5500

|   | Freq     | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|----------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz      | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 6492.250 | -1.73  | 48.20         | 46.47  | 68.20         | -21.73        | Peak   |

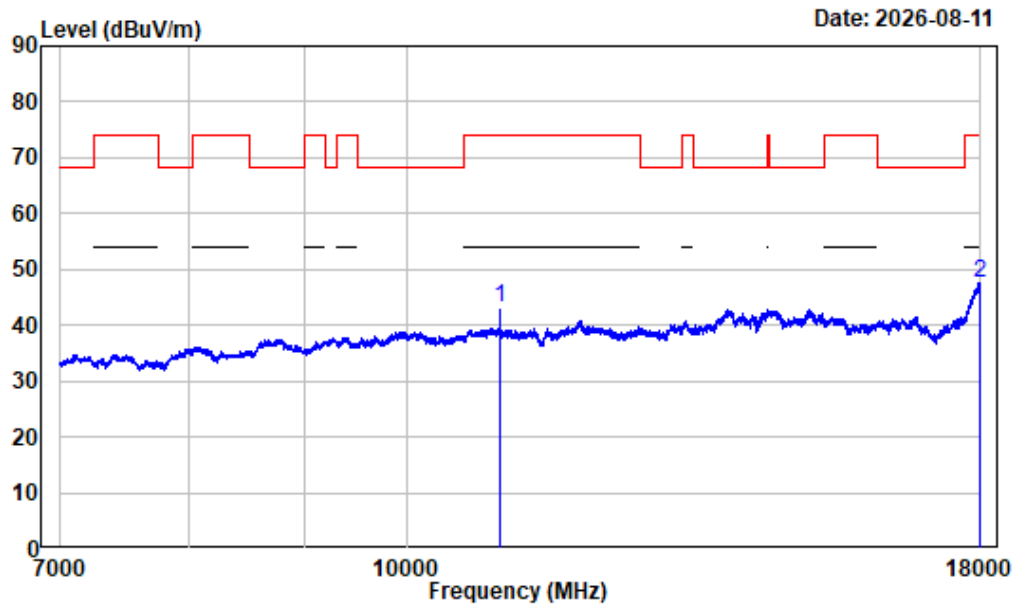
## 7-18GHz\_Horizontal\_Peak\_802.11n-ht20\_5500MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N20\_5500

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 11000.000 | 3.33  | 54.23 | 57.56  | 74.00  | -16.44 Peak |
| 2 17994.500 | 10.70 | 48.16 | 58.86  | 74.00  | -15.14 Peak |

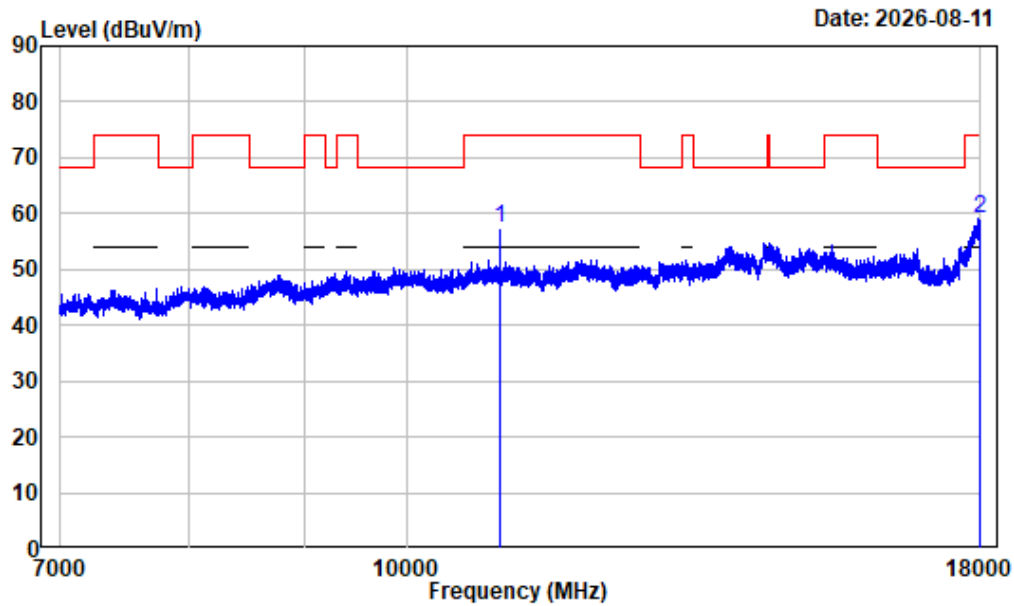
## 7-18GHz\_Horizontal\_Average\_802.11n-ht20\_5500MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND3\_N20\_5500

| Freq Factor |       | Read Level |        | Limit  | Over   | Remark  |
|-------------|-------|------------|--------|--------|--------|---------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB     |         |
| 1 11000.000 | 3.33  | 39.90      | 43.23  | 54.00  | -10.77 | Average |
| 2 17995.880 | 10.73 | 36.87      | 47.60  | 54.00  | -6.40  | Average |

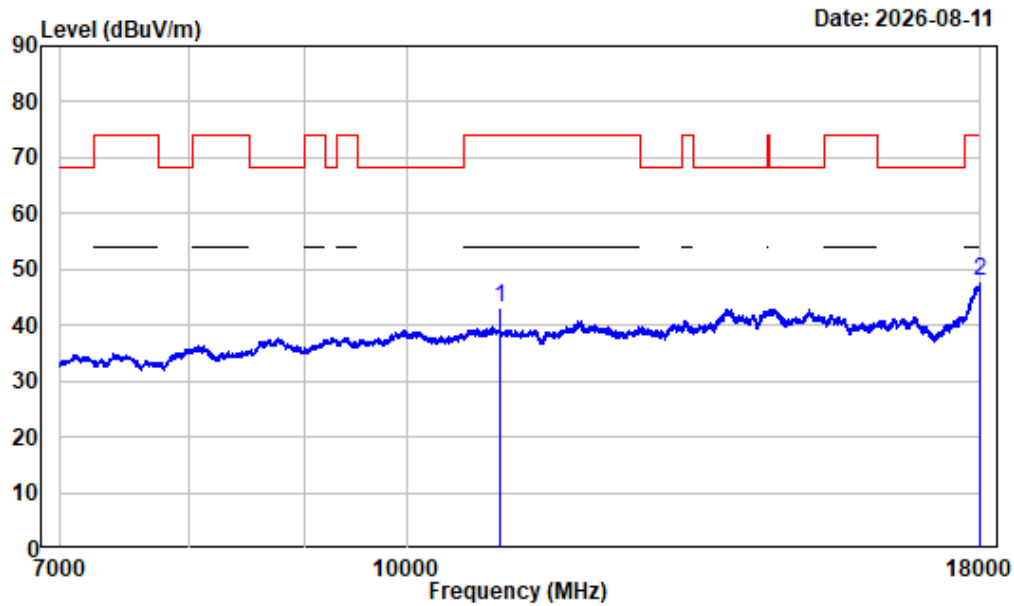
## 7-18GHz\_Vertical\_Peak\_802.11n-ht20\_5500MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N20\_5500

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 11000.000 | 3.33  | 54.20 | 57.53  | 74.00  | -16.47 Peak |
| 2 17998.630 | 10.78 | 48.39 | 59.17  | 74.00  | -14.83 Peak |

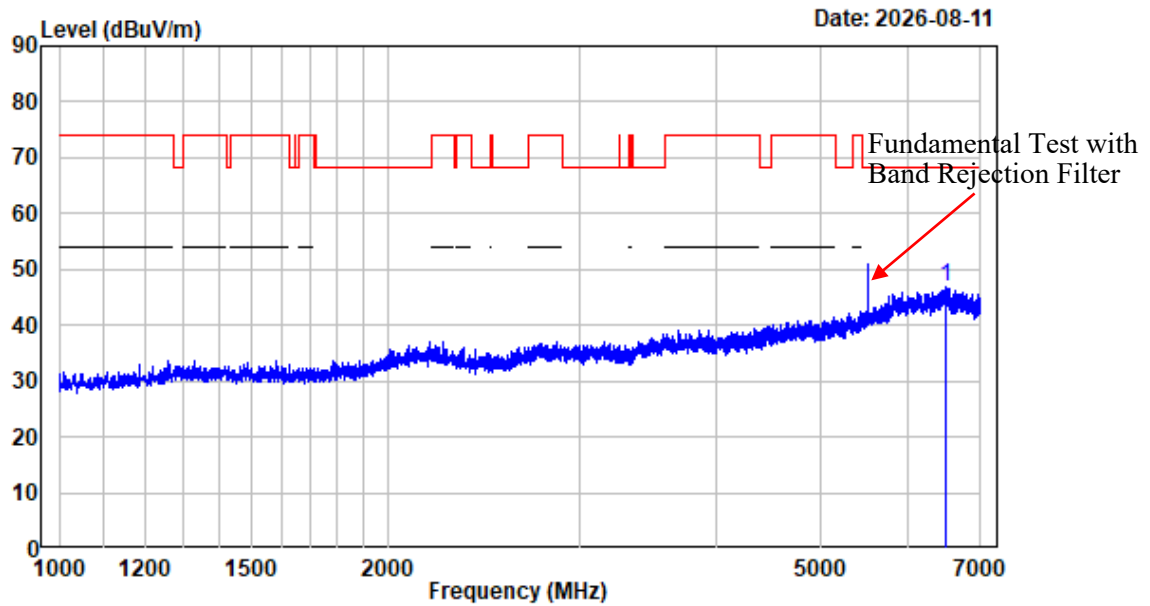
## 7-18GHz\_Vertical\_Average\_802.11n-ht20\_5500MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND3\_N20\_5500

| Freq Factor |       | Read Level |        | Limit  | Over   | Remark  |
|-------------|-------|------------|--------|--------|--------|---------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB     |         |
| 1 11000.000 | 3.33  | 39.75      | 43.08  | 54.00  | -10.92 | Average |
| 2 17998.490 | 10.80 | 37.07      | 47.87  | 54.00  | -6.13  | Average |

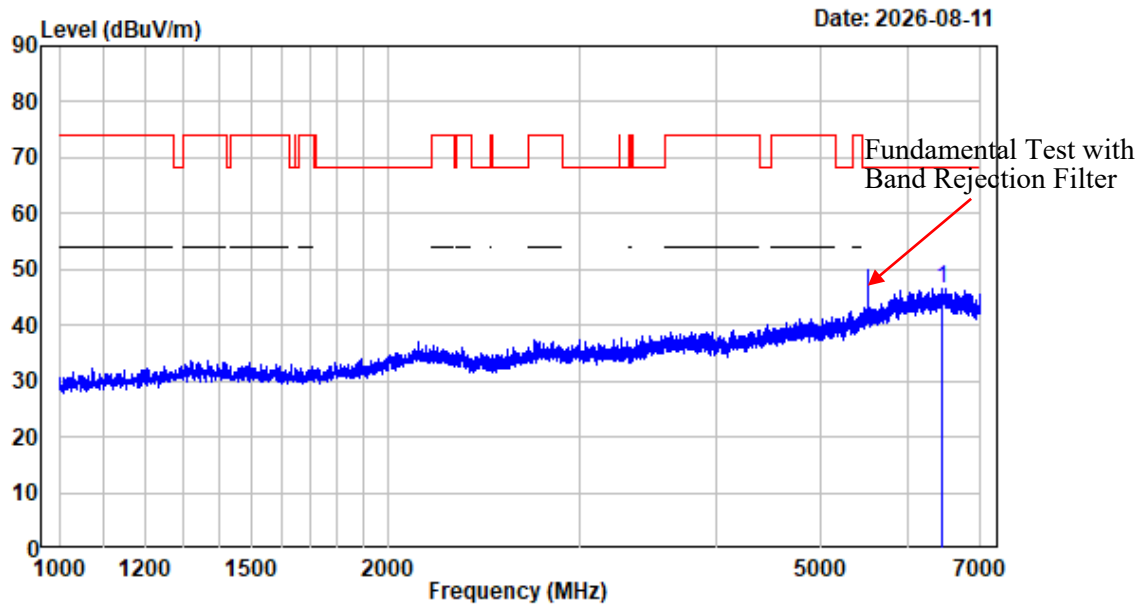
1-7GHz\_Horizontal\_802.11n-ht40\_5510MHz



Condition : Horizontal  
 Project No. : 2601V21493E-RF  
 Tester : Hugh Li  
 Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
 Note : 5gwifi\_BAND3\_N40\_5510

| Freq Factor |       | Read Level | Level  | Limit Line | Over Limit | Remark |
|-------------|-------|------------|--------|------------|------------|--------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1 6513.250  | -1.70 | 48.46      | 46.76  | 68.20      | -21.44     | Peak   |

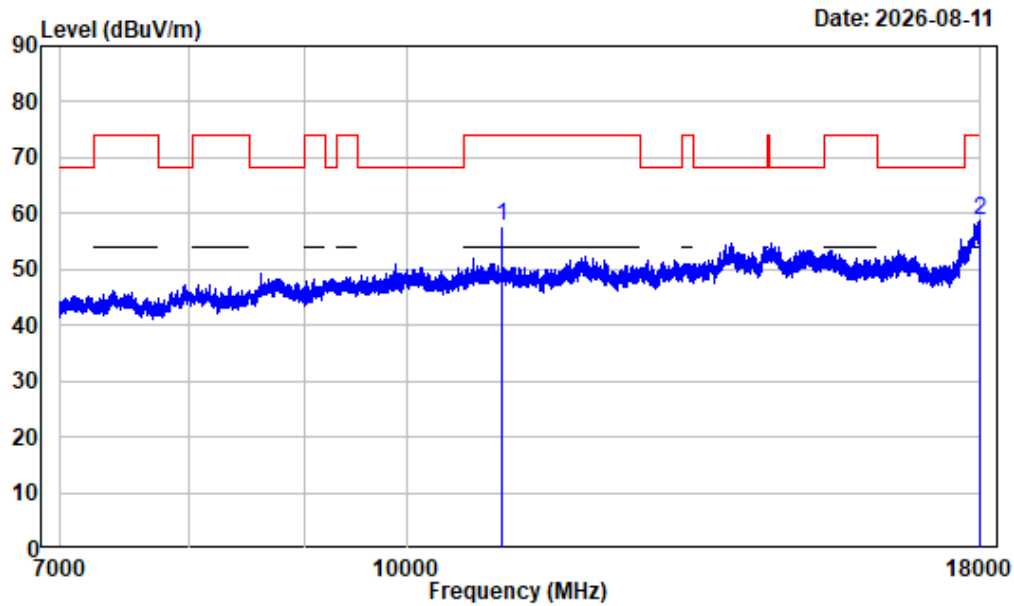
## 1-7GHz\_Vertical\_802.11n-ht40\_5510MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N40\_5510

| Freq Factor |          | Read  | Limit  | Over   | Remark            |
|-------------|----------|-------|--------|--------|-------------------|
|             |          | Level | Level  | Line   |                   |
| MHz         | dB/m     | dBuV  | dBuV/m | dBuV/m | dB                |
| 1           | 6460.750 | -2.07 | 48.76  | 46.69  | 68.20 -21.51 Peak |

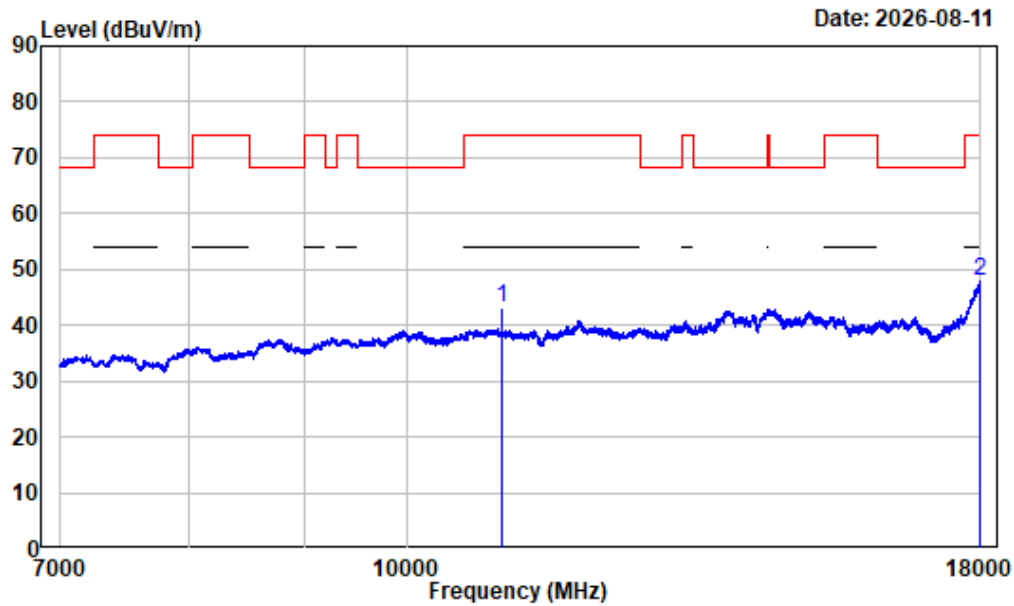
## 7-18GHz\_Horizontal\_Peak\_802.11n-ht40\_5510MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N40\_5510

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 11020.000 | 3.28  | 54.30 | 57.58  | 74.00  | -16.42 Peak |
| 2 17997.250 | 10.75 | 47.90 | 58.65  | 74.00  | -15.35 Peak |

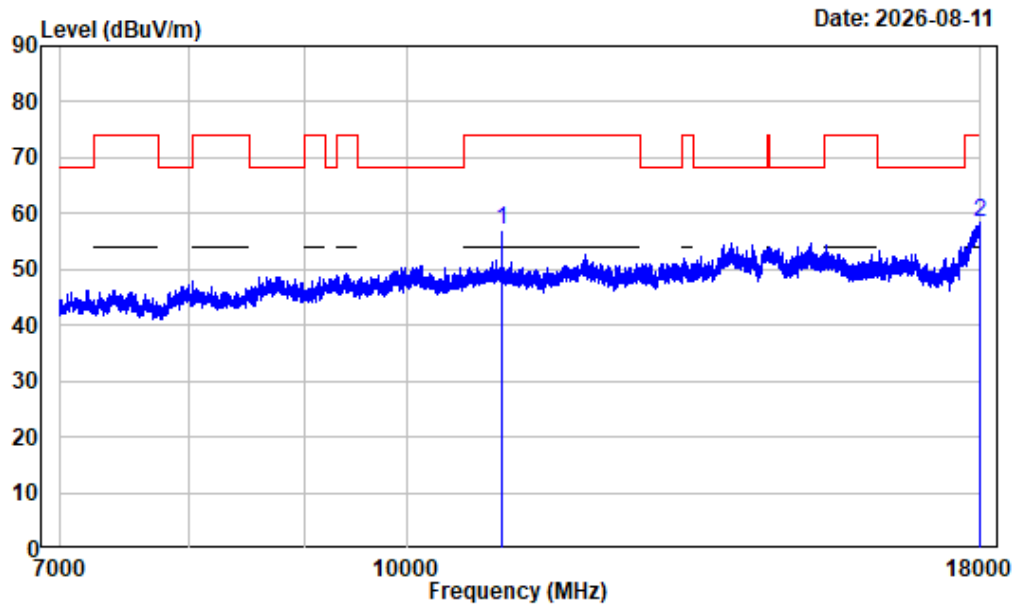
## 7-18GHz\_Horizontal\_Average\_802.11n-ht40\_5510MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND3\_N40\_5510

| Freq Factor |       | Read  | Limit  | Over   | Remark         |
|-------------|-------|-------|--------|--------|----------------|
| MHz         | dB/m  | Level | Level  | Line   |                |
|             |       | dBuV  | dBuV/m | dBuV/m | dB             |
| 1 11020.000 | 3.28  | 39.73 | 43.01  | 54.00  | -10.99 Average |
| 2 17993.130 | 10.68 | 37.31 | 47.99  | 54.00  | -6.01 Average  |

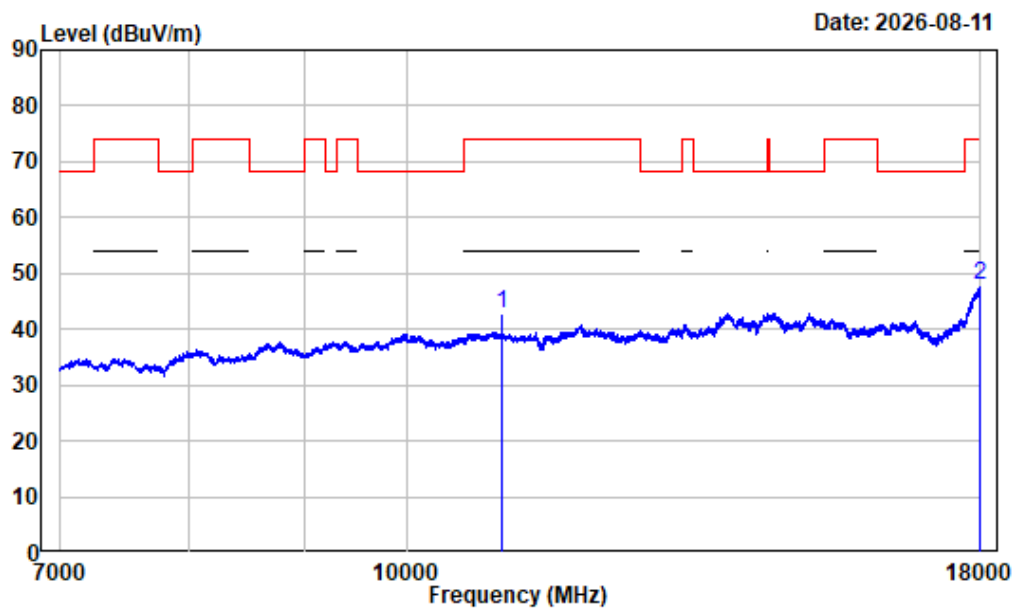
## 7-18GHz\_Vertical\_Peak\_802.11n-ht40\_5510MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N40\_5510

|   | Freq      | Factor | Read Level | Level  | Limit Line | Over Limit | Remark |
|---|-----------|--------|------------|--------|------------|------------|--------|
|   | MHz       | dB/m   | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1 | 11020.000 | 3.28   | 53.73      | 57.01  | 74.00      | -16.99     | Peak   |
| 2 | 17984.880 | 10.53  | 47.73      | 58.26  | 74.00      | -15.74     | Peak   |

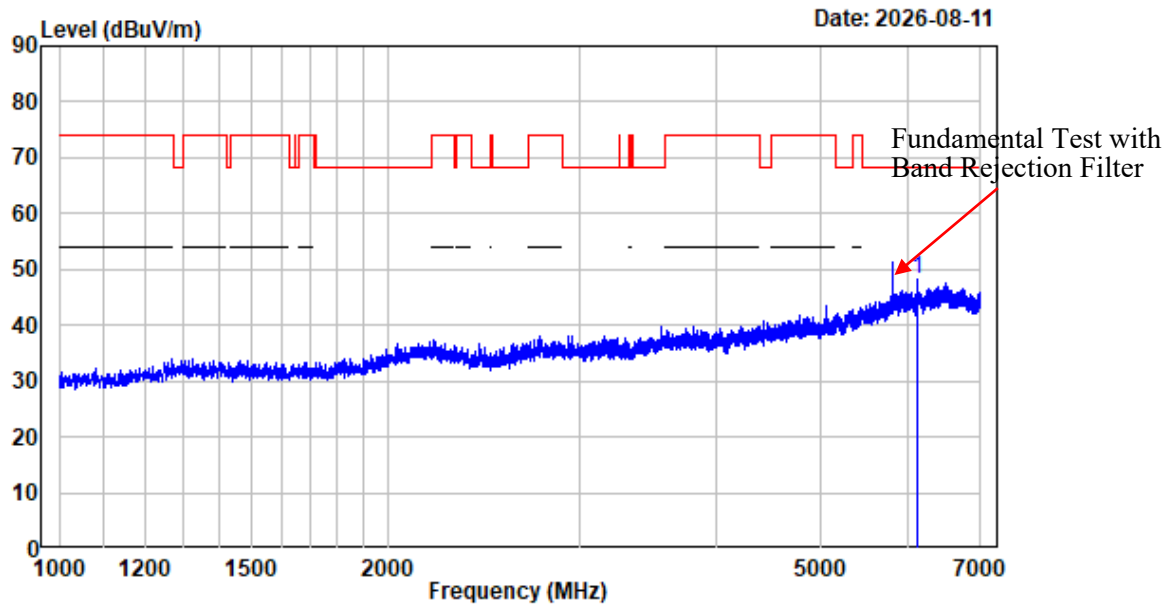
## 7-18GHz\_Vertical\_Average\_802.11n-ht40\_5510MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND3\_N40\_5510

| Freq Factor |       | Read Level |        | Limit  | Over   | Remark  |
|-------------|-------|------------|--------|--------|--------|---------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB     |         |
| 1 11020.000 | 3.28  | 39.62      | 42.90  | 54.00  | -11.10 | Average |
| 2 17999.480 | 10.80 | 36.95      | 47.75  | 54.00  | -6.25  | Average |

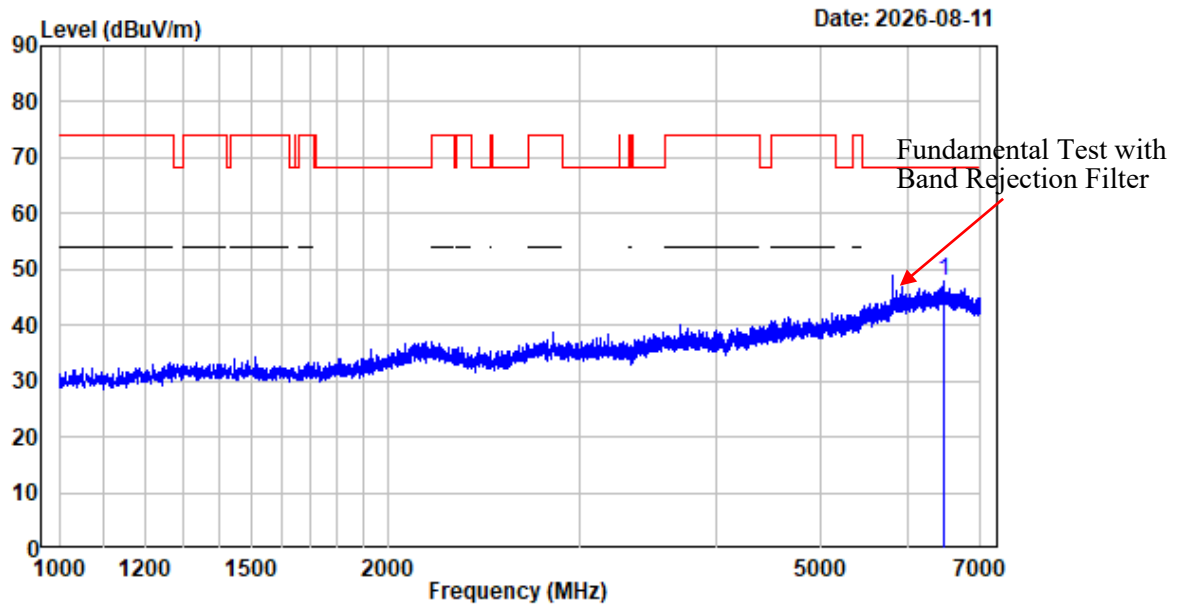
## 1-7GHz\_Horizontal\_802.11a\_5825MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_A\_5825

|   | Freq     | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|----------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz      | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 6120.250 | -2.54  | 50.63         | 48.09  | 68.20         | -20.11        | Peak   |

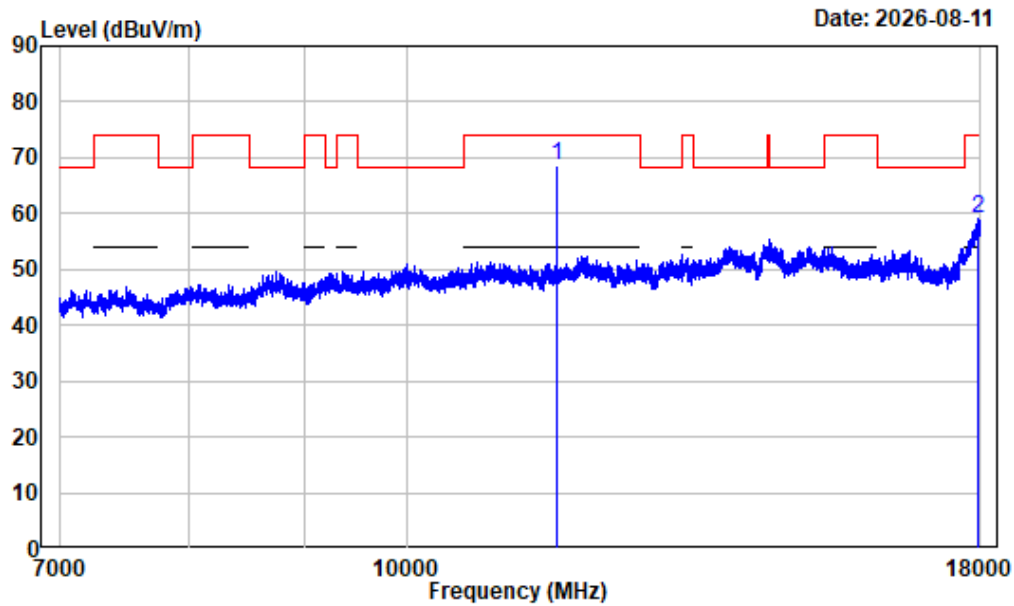
## 1-7GHz\_Vertical\_802.11a\_5825MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_A\_5825

|   | Freq     | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|----------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz      | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 6484.750 | -1.81  | 49.70         | 47.89  | 68.20         | -20.31        | Peak   |

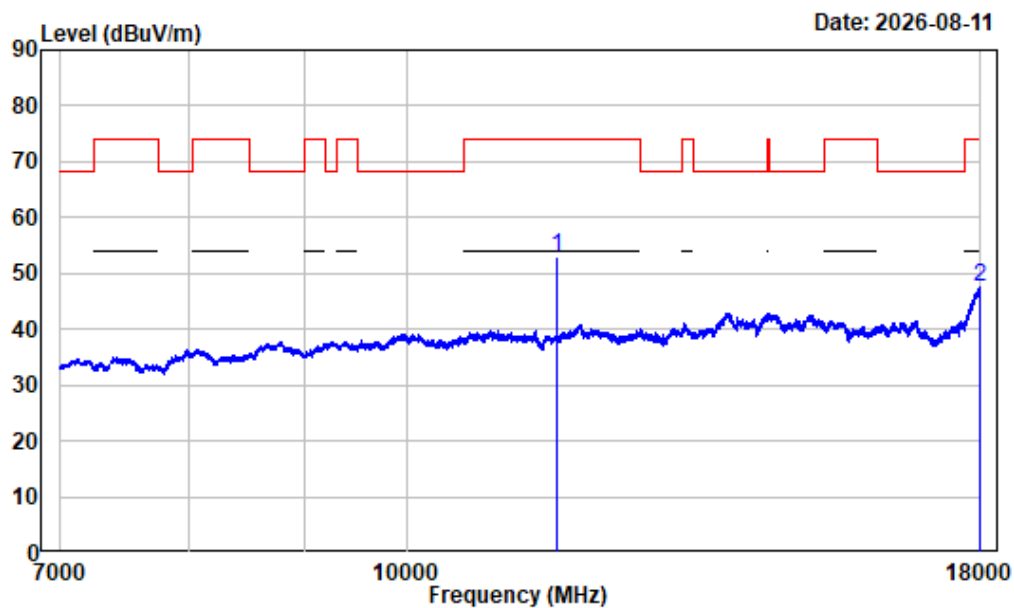
## 7-18GHz\_Horizontal\_Peak\_802.11a\_5825MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_A\_5825

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 11650.000 | 2.58  | 66.05 | 68.63  | 74.00  | -5.37 Peak  |
| 2 17964.250 | 10.16 | 49.07 | 59.23  | 74.00  | -14.77 Peak |

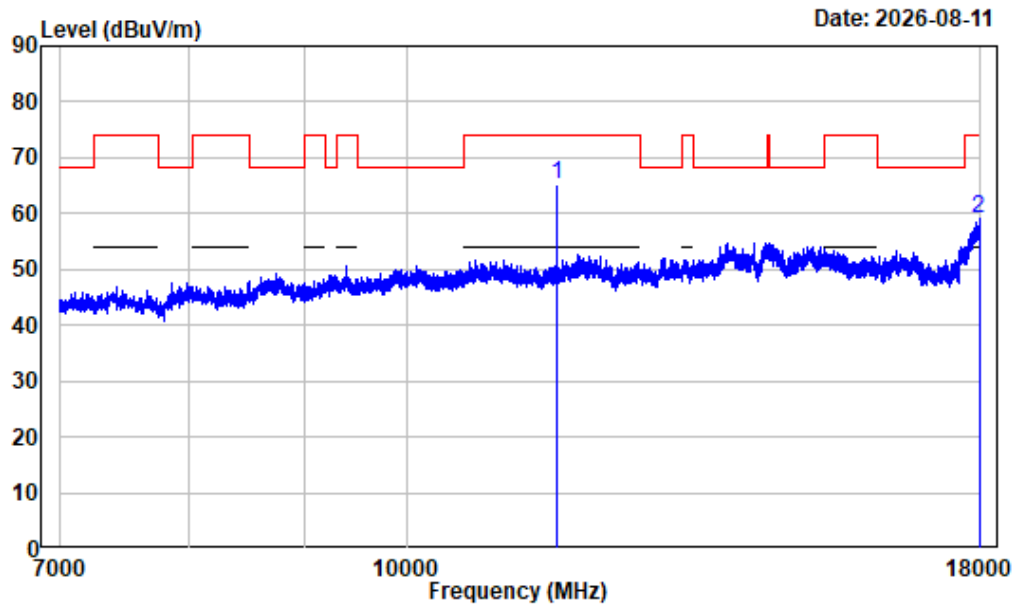
## 7-18GHz\_Horizontal\_Average\_802.11a\_5825MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND4\_A\_5825

| Freq Factor |       | Read  | Limit  | Over   | Remark        |
|-------------|-------|-------|--------|--------|---------------|
| MHz         | dB/m  | Level | Level  | Line   |               |
|             |       | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 11650.000 | 2.58  | 50.34 | 52.92  | 54.00  | -1.08 Average |
| 2 17991.750 | 10.65 | 36.91 | 47.56  | 54.00  | -6.44 Average |

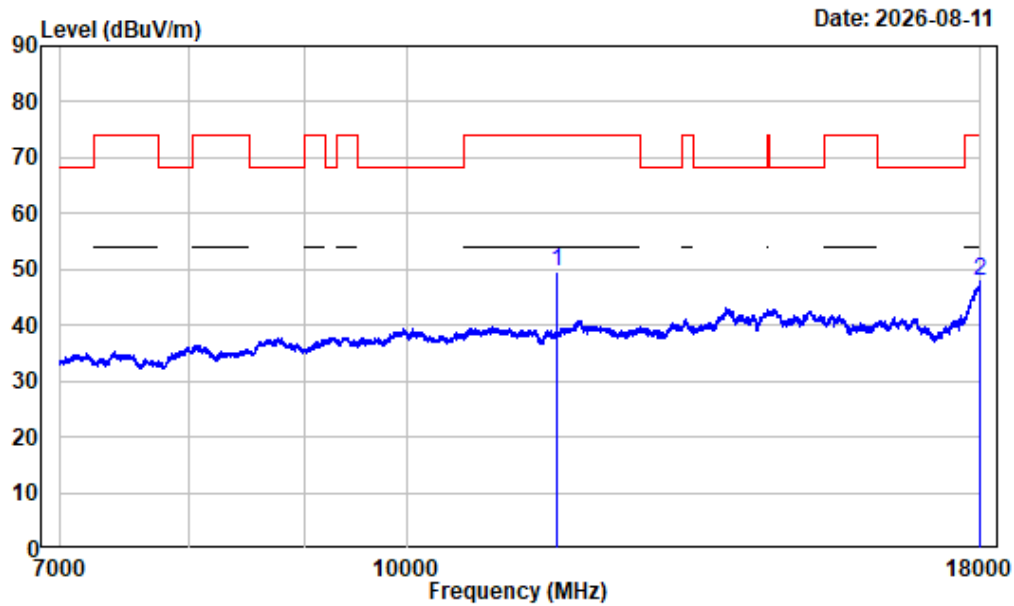
## 7-18GHz\_Vertical\_Peak\_802.11a\_5825MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_A\_5825

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 11650.000 | 2.58  | 62.52 | 65.10  | 74.00  | -8.90 Peak  |
| 2 17973.880 | 10.33 | 48.72 | 59.05  | 74.00  | -14.95 Peak |

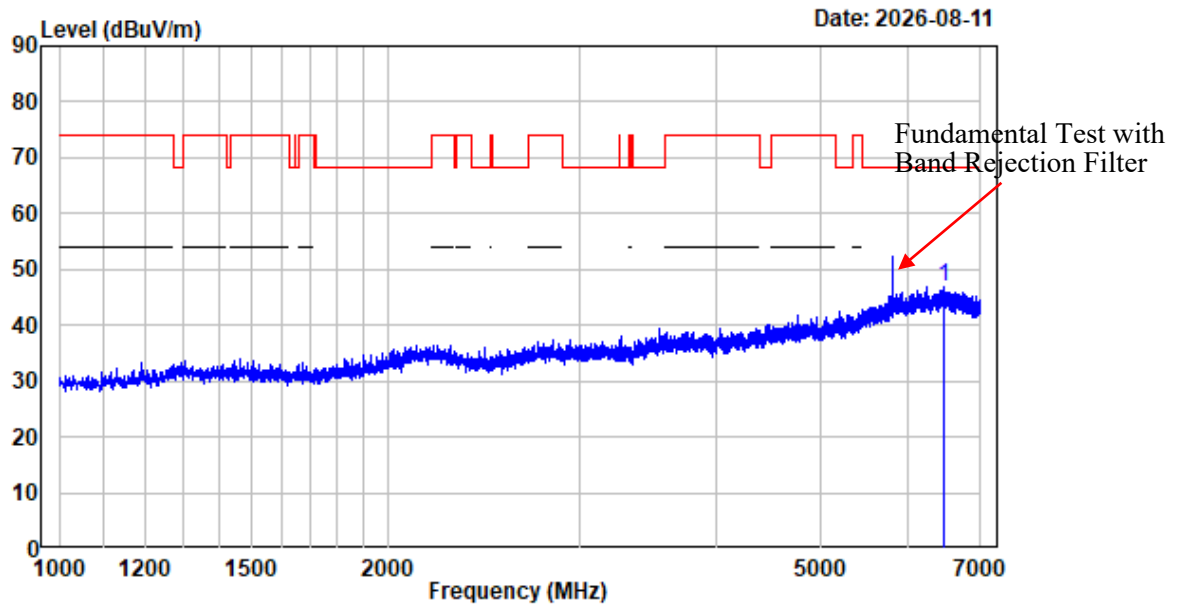
## 7-18GHz\_Vertical\_Average\_802.11a\_5825MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND4\_A\_5825

| Freq Factor |       | Read Level |        | Limit  | Over  | Remark  |
|-------------|-------|------------|--------|--------|-------|---------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB    |         |
| 1 11650.000 | 2.58  | 46.98      | 49.56  | 54.00  | -4.44 | Average |
| 2 17995.880 | 10.73 | 37.13      | 47.86  | 54.00  | -6.14 | Average |

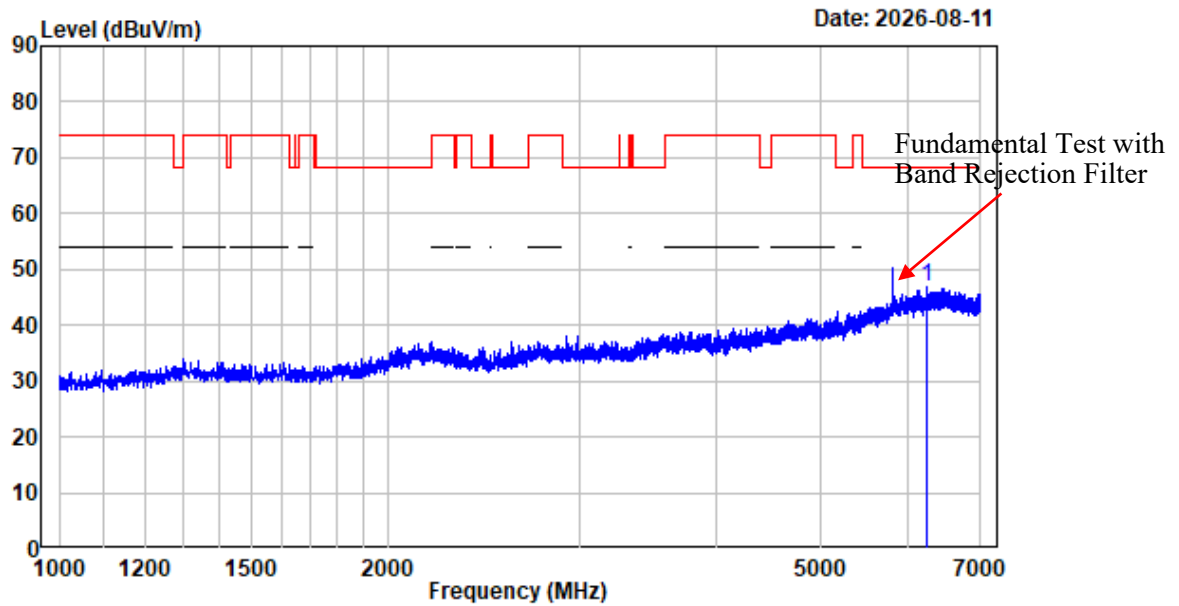
## 1-7GHz\_Horizontal\_802.11n-ht20\_5825MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_N20\_5825

|   | Freq     | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|----------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz      | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 6485.500 | -1.81  | 48.62         | 46.81  | 68.20         | -21.39        | Peak   |

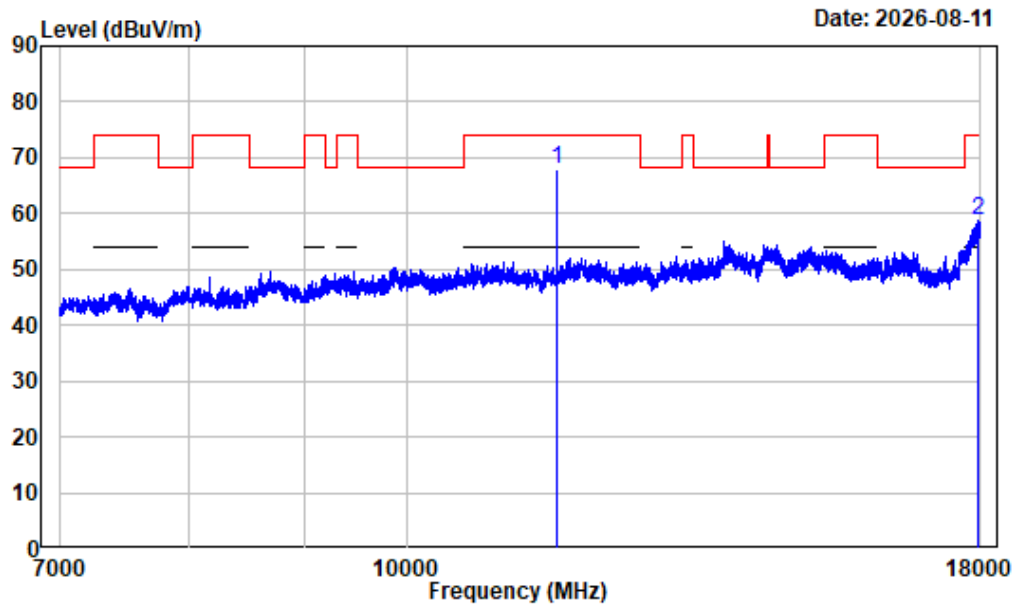
## 1-7GHz\_Vertical\_802.11n-ht20\_5825MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_N20\_5825

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 6251.500  | -2.33 | 49.09 | 46.76  | 68.20  | -21.44 Peak |

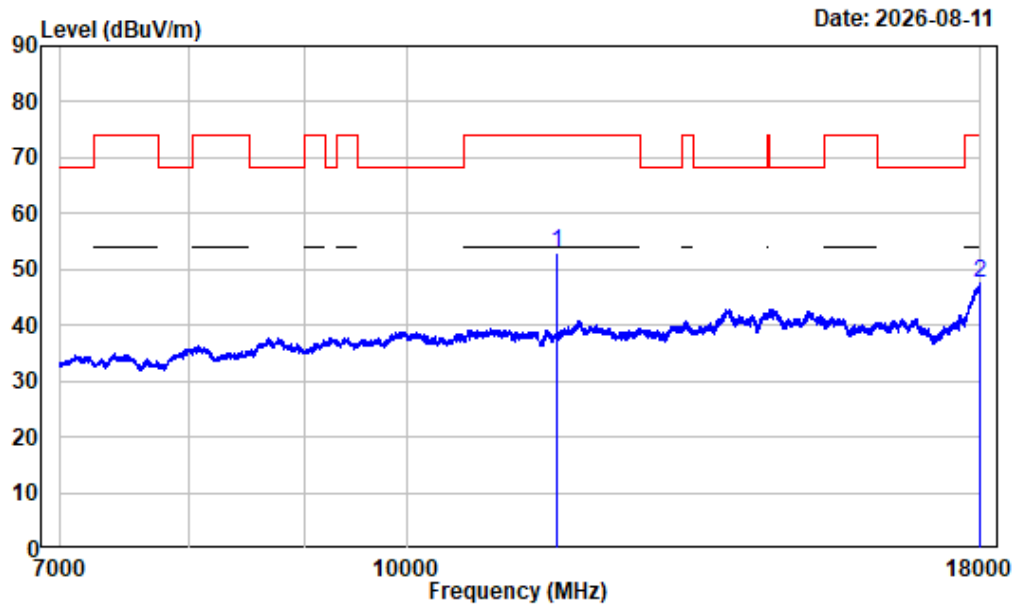
## 7-18GHz\_Horizontal\_Peak\_802.11n-ht20\_5825MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_N20\_5825

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 11650.000 | 2.58  | 65.25 | 67.83  | 74.00  | -6.17 Peak  |
| 2 17969.750 | 10.26 | 48.38 | 58.64  | 74.00  | -15.36 Peak |

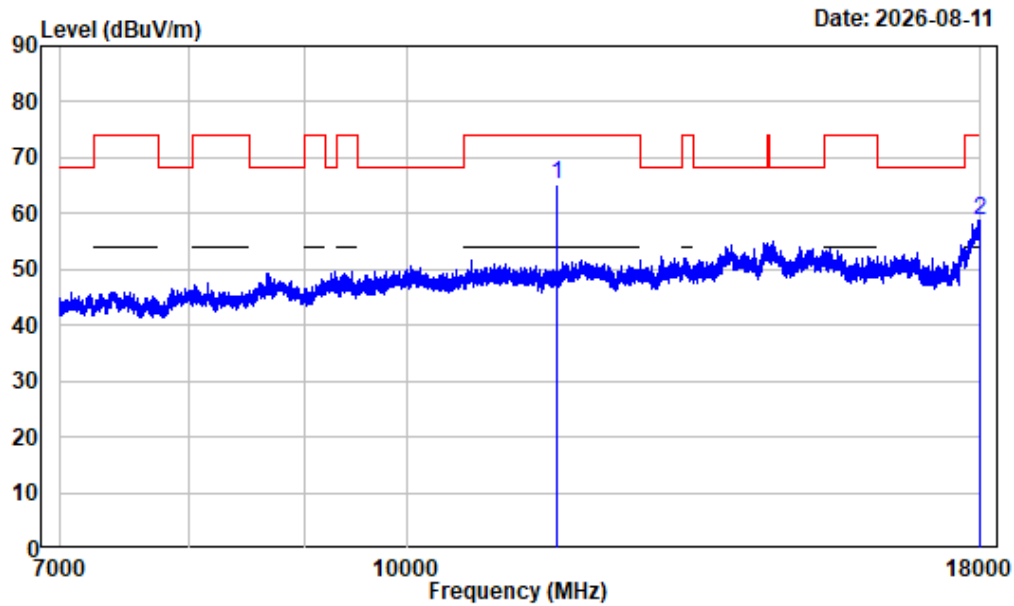
## 7-18GHz\_Horizontal\_Average\_802.11n-ht20\_5825MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND4\_N20\_5825

| Freq Factor |       | Read  | Limit  | Over   | Remark        |
|-------------|-------|-------|--------|--------|---------------|
| MHz         | dB/m  | Level | Level  | Line   |               |
|             |       | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 11650.000 | 2.58  | 50.24 | 52.82  | 54.00  | -1.18 Average |
| 2 17997.250 | 10.75 | 36.86 | 47.61  | 54.00  | -6.39 Average |

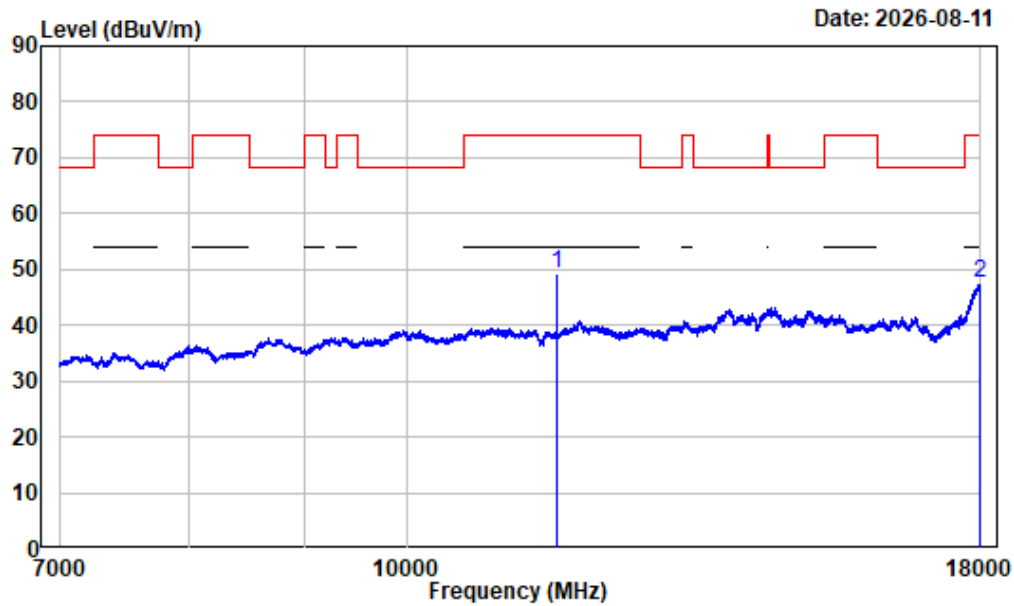
## 7-18GHz\_Vertical\_Peak\_802.11n-ht20\_5825MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_N20\_5825

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 11650.000 | 2.58  | 62.47 | 65.05  | 74.00  | -8.95 Peak  |
| 2 17990.380 | 10.63 | 48.27 | 58.90  | 74.00  | -15.10 Peak |

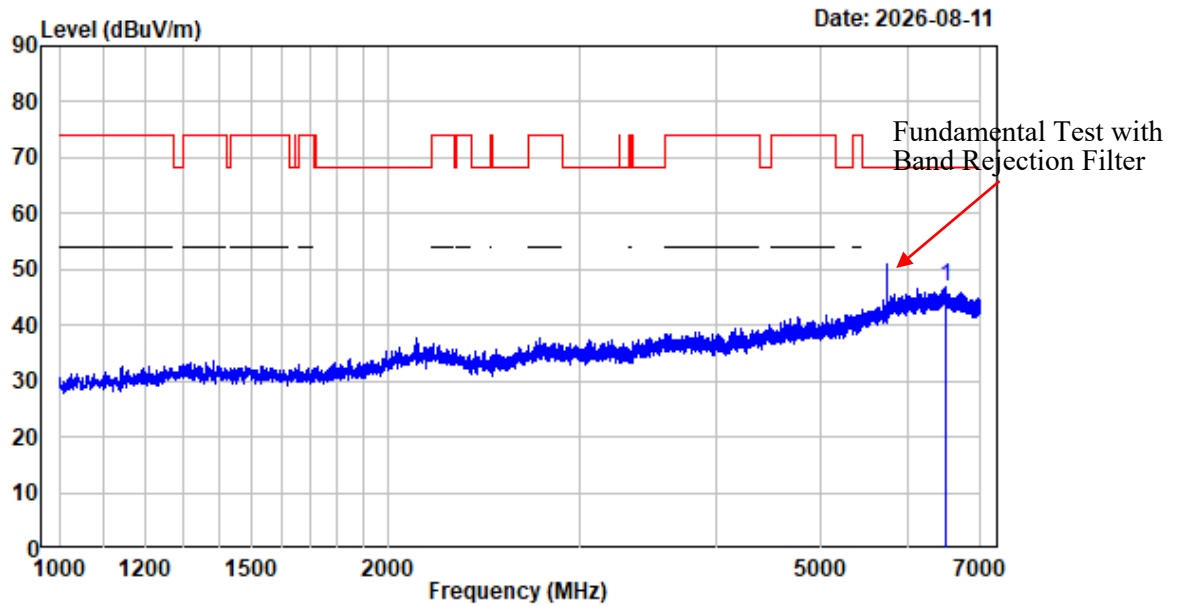
## 7-18GHz\_Vertical\_Average\_802.11n-ht20\_5825MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND4\_N20\_5825

| Freq Factor |       | Read  | Limit  | Over   | Remark        |
|-------------|-------|-------|--------|--------|---------------|
| MHz         | dB/m  | Level | Level  | Line   |               |
|             |       | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 11650.000 | 2.58  | 46.80 | 49.38  | 54.00  | -4.62 Average |
| 2 17998.590 | 10.80 | 36.85 | 47.65  | 54.00  | -6.35 Average |

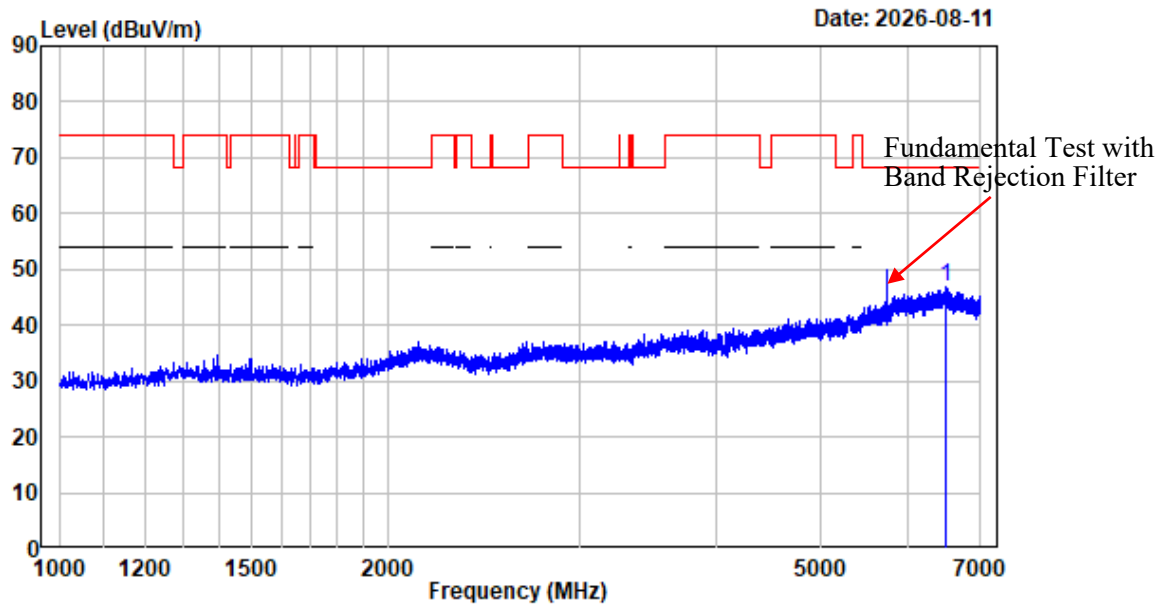
1-7GHz\_Horizontal\_802.11n-ht40\_5755MHz



Condition : Horizontal  
 Project No. : 2601V21493E-RF  
 Tester : Hugh Li  
 Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
 Note : 5gwifi\_BAND4\_N40\_5755

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 6504.250  | -1.66 | 48.63 | 46.97  | 68.20  | -21.23 Peak |

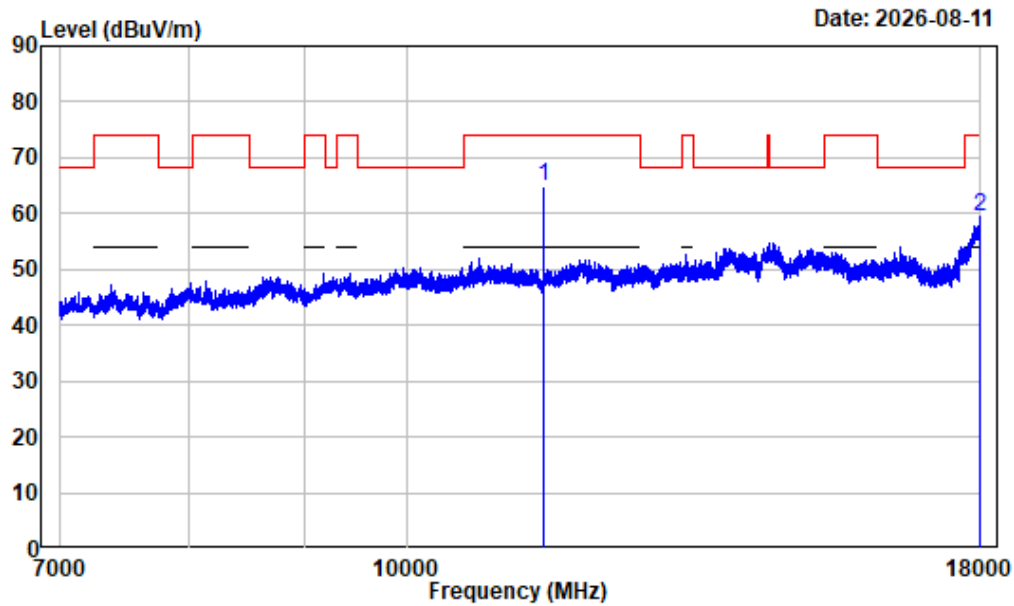
## 1-7GHz\_Vertical\_802.11n-ht40\_5755MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_N40\_5755

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 6502.000  | -1.65 | 48.64 | 46.99  | 68.20  | -21.21 Peak |

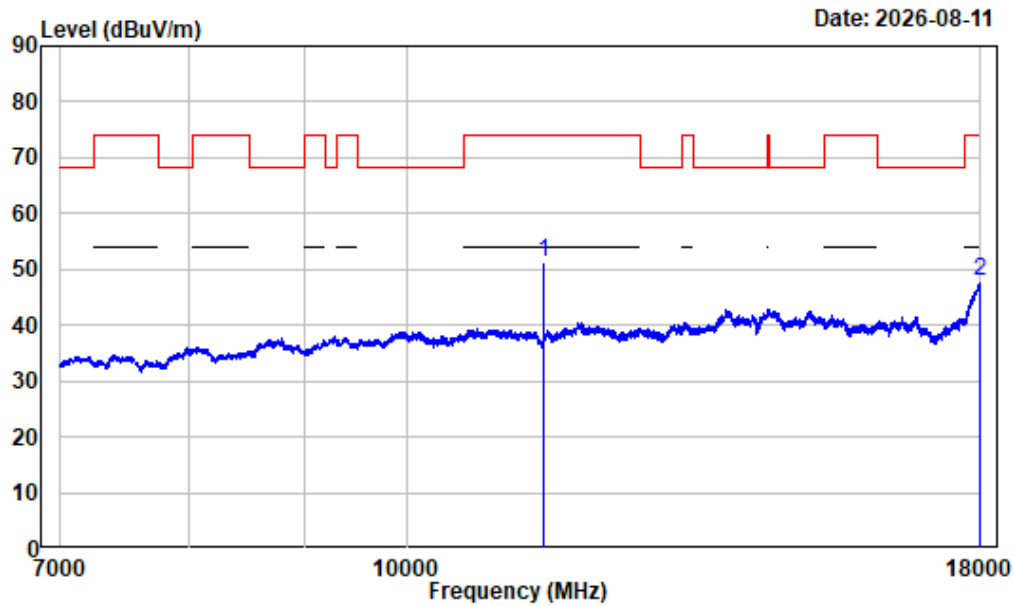
## 7-18GHz\_Horizontal\_Peak\_802.11n-ht40\_5755MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_N40\_5755

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 11510.000 | 2.41  | 62.44 | 64.85  | 74.00  | -9.15 Peak  |
| 2 17983.500 | 10.50 | 48.84 | 59.34  | 74.00  | -14.66 Peak |

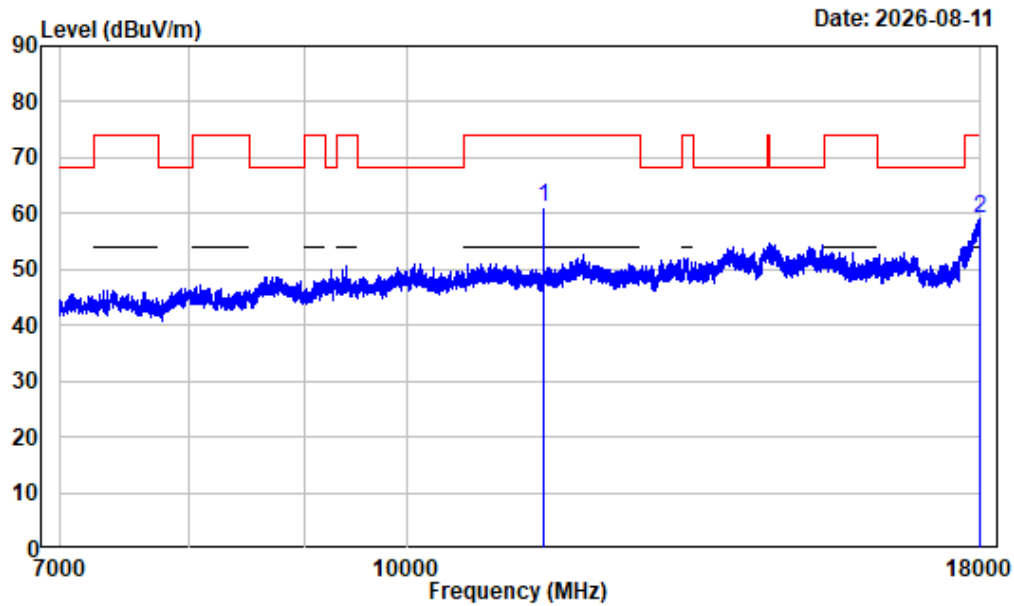
## 7-18GHz\_Horizontal\_Average\_802.11n-ht40\_5755MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND4\_N40\_5755

| Freq Factor |       | Read Level |        | Limit  | Over  | Remark  |
|-------------|-------|------------|--------|--------|-------|---------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB    |         |
| 1 11510.000 | 2.41  | 48.85      | 51.26  | 54.00  | -2.74 | Average |
| 2 17998.480 | 10.80 | 37.20      | 48.00  | 54.00  | -6.00 | Average |

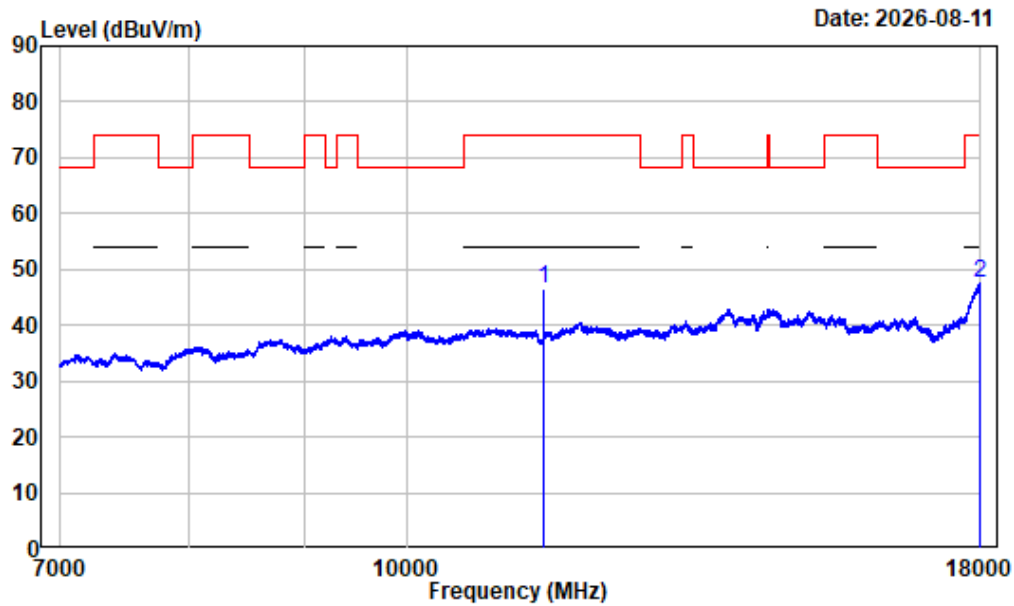
## 7-18GHz\_Vertical\_Peak\_802.11n-ht40\_5755MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_N40\_5755

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 11510.000 | 2.41  | 58.84 | 61.25  | 74.00  | -12.75 Peak |
| 2 17984.880 | 10.53 | 48.43 | 58.96  | 74.00  | -15.04 Peak |

## 7-18GHz\_Vertical\_Average\_802.11n-ht40\_5755MHz

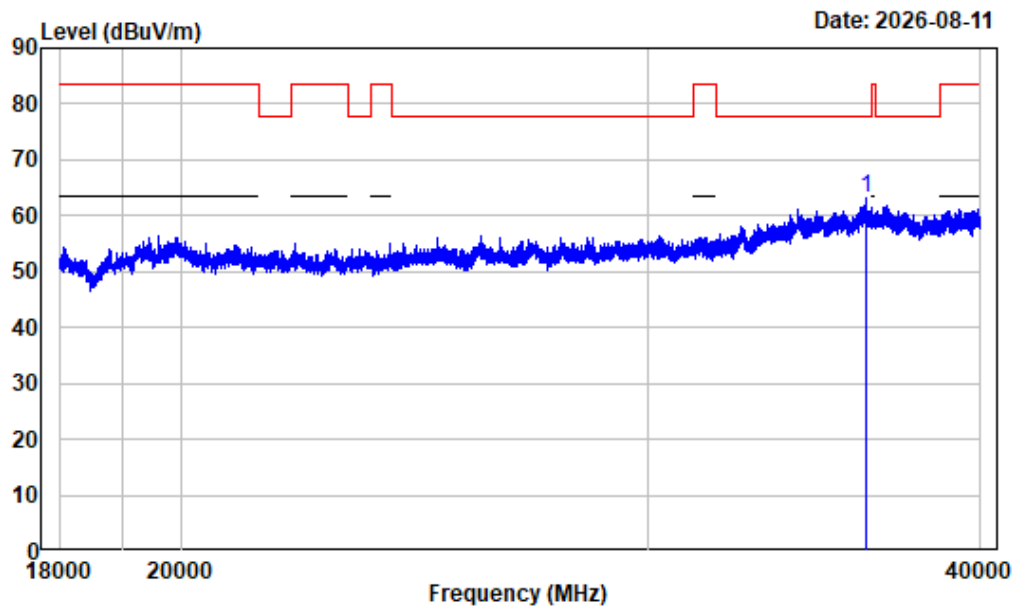


Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading:RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND4\_N40\_5755

| Freq Factor |       | Read Level |        | Limit  | Over  | Remark  |
|-------------|-------|------------|--------|--------|-------|---------|
|             |       |            |        | Line   | Limit |         |
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB    |         |
| 1 11510.000 | 2.41  | 43.99      | 46.40  | 54.00  | -7.60 | Average |
| 2 17997.250 | 10.75 | 36.85      | 47.60  | 54.00  | -6.40 | Average |

**18-40GHz (Only Listed with the worst harmonic margin test plot)**

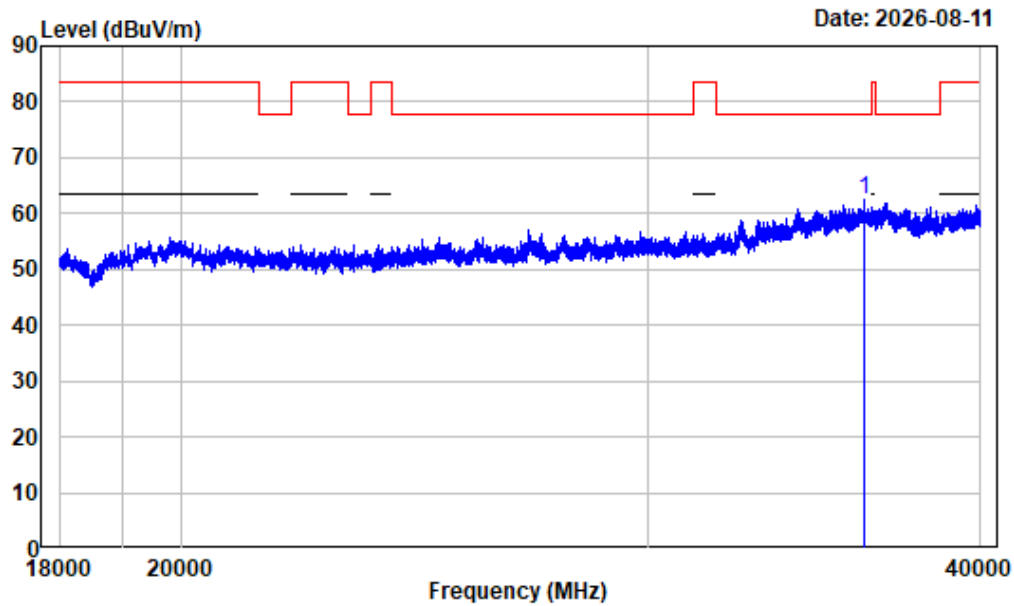
18-40GHz\_Horizontal\_802.11a\_5825MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_A\_5825

| Freq Factor |       | Read Level |        | Limit  | Over   | Remark |
|-------------|-------|------------|--------|--------|--------|--------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB     |        |
| 1 36246.250 | 25.56 | 37.47      | 63.03  | 77.70  | -14.67 | peak   |

## 18-40GHz\_Vertical\_802.11a\_5825MHz

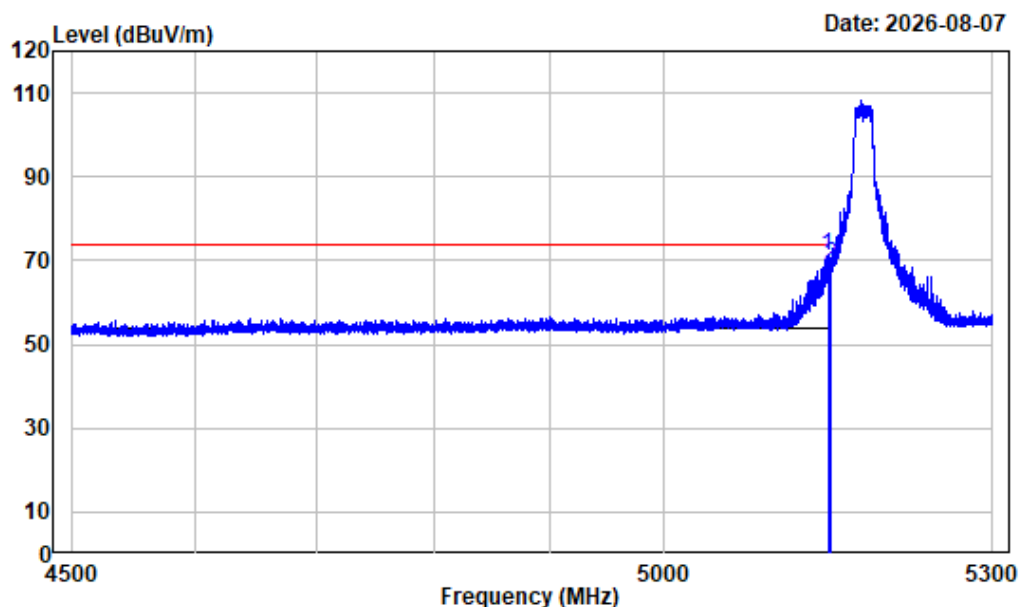


Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_A\_5825

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
| MHz         | dB/m  | Level | Level  | Line   |             |
|             |       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 36158.250 | 25.66 | 36.86 | 62.52  | 77.70  | -15.18 peak |

**Band Edge**

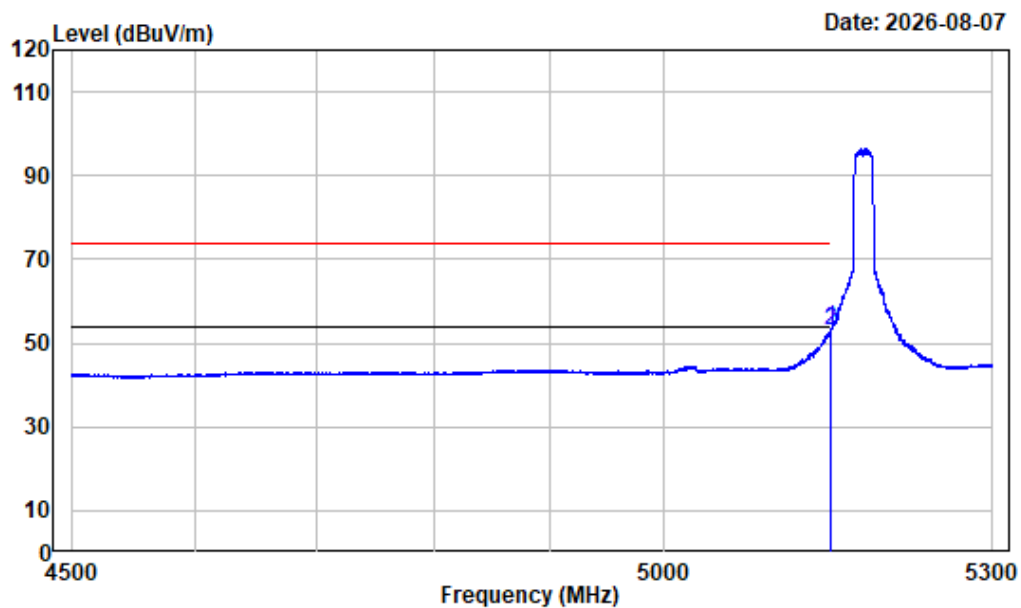
Left Band edge Horizontal Peak 802.11a 5180MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_A\_5180

| Freq Factor |          | Read Level |        | Limit  | Over  | Remark     |
|-------------|----------|------------|--------|--------|-------|------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m | dB    |            |
| 1           | 5147.300 | -7.96      | 79.14  | 71.18  | 74.00 | -2.82 Peak |
| 2           | 5150.000 | -7.96      | 76.67  | 68.71  | 74.00 | -5.29 Peak |

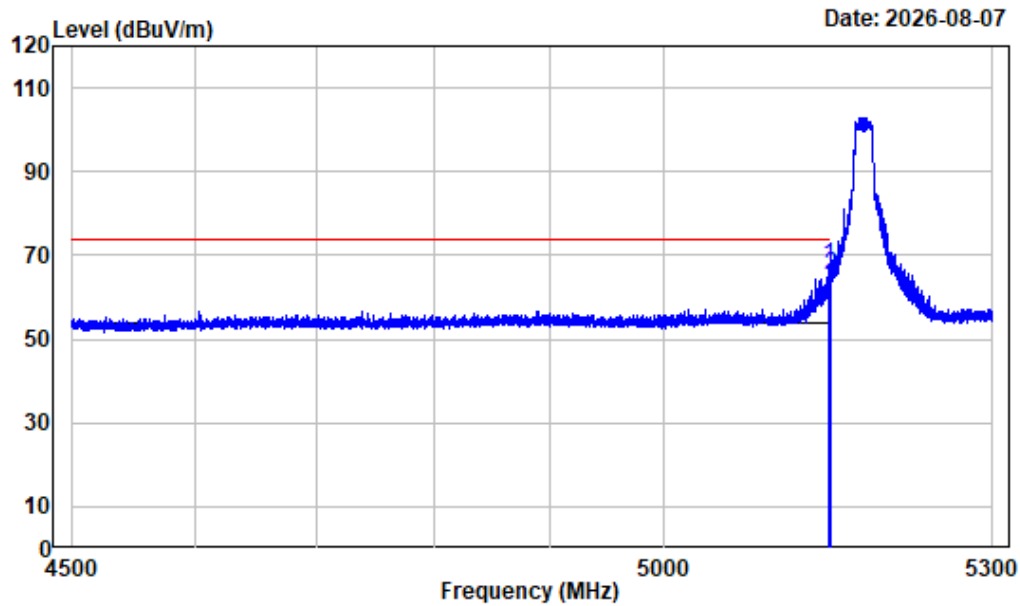
## Left Band edge\_Horizontal\_Average\_802.11a\_5180MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND1\_A\_5180

| Freq Factor |          | Read  |       | Limit  | Over   | Remark        |
|-------------|----------|-------|-------|--------|--------|---------------|
|             |          | Level | Level | Line   | Limit  |               |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB            |
| 1           | 5149.800 | -7.96 | 61.28 | 53.32  | 54.00  | -0.68 Average |
| 2           | 5150.000 | -7.96 | 60.96 | 53.00  | 54.00  | -1.00 Average |

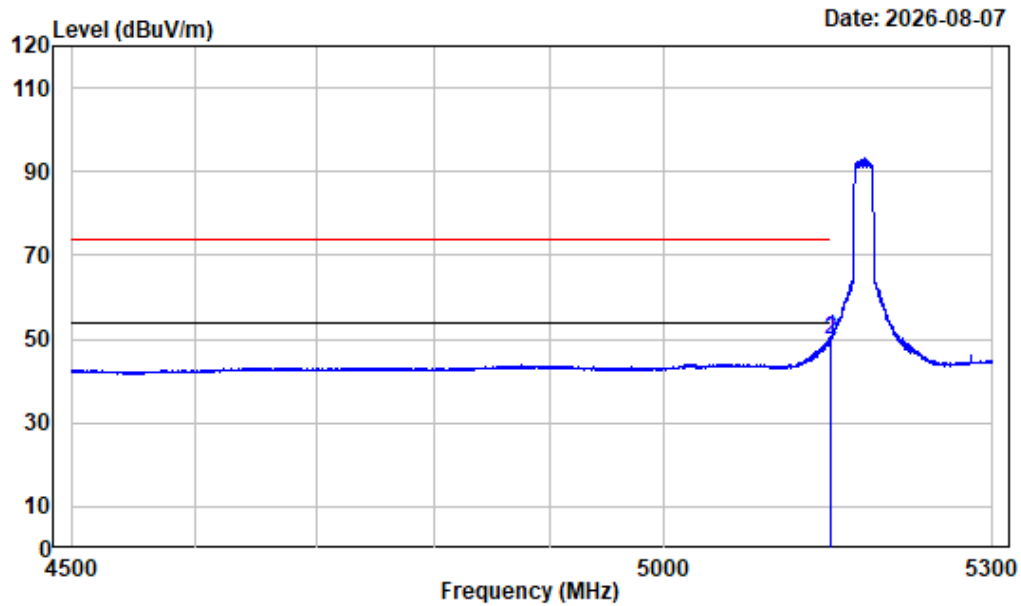
## Left Band edge\_Vertical\_Peak\_802.11a\_5180MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_A\_5180

| Freq Factor |       | Read  |        | Limit  | Over  | Remark |
|-------------|-------|-------|--------|--------|-------|--------|
|             |       | Level | Level  | Line   | Limit |        |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB    |        |
| 1 5148.800  | -7.96 | 75.54 | 67.58  | 74.00  | -6.42 | Peak   |
| 2 5150.000  | -7.96 | 73.07 | 65.11  | 74.00  | -8.89 | Peak   |

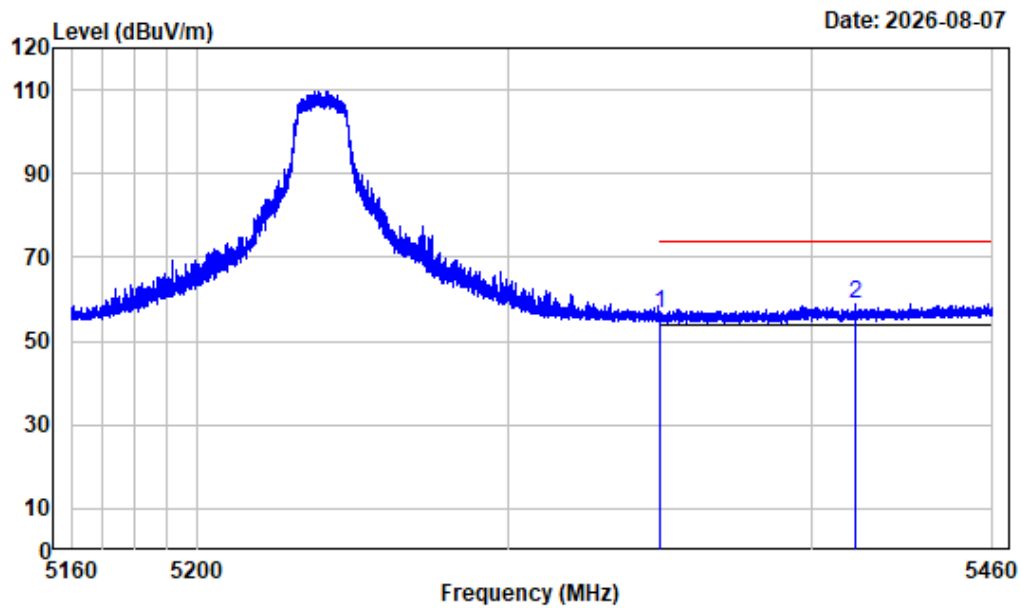
## Left Band edge\_Vertical\_Average\_802.11a\_5180MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND1\_A\_5180

| Freq Factor |          | Read  |       | Limit  | Over   | Remark        |
|-------------|----------|-------|-------|--------|--------|---------------|
|             |          | Level | Level | Line   | Limit  |               |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB            |
| 1           | 5149.200 | -7.97 | 58.46 | 50.49  | 54.00  | -3.51 Average |
| 2           | 5150.000 | -7.96 | 57.86 | 49.90  | 54.00  | -4.10 Average |

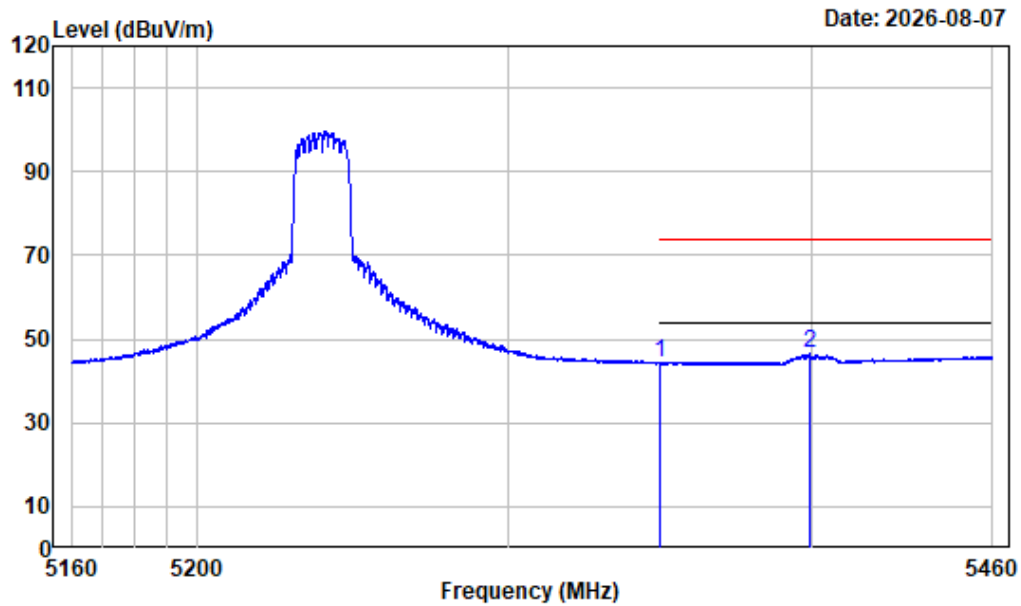
## Right Band edge\_Horizontal\_Peak\_802.11a\_5240MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_A\_5240

| Freq Factor |          | Read Level |        | Limit  | Over  | Remark      |
|-------------|----------|------------|--------|--------|-------|-------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m | dB    |             |
| 1           | 5350.000 | -7.66      | 64.14  | 56.48  | 74.00 | -17.52 Peak |
| 2           | 5414.288 | -7.30      | 66.21  | 58.91  | 74.00 | -15.09 Peak |

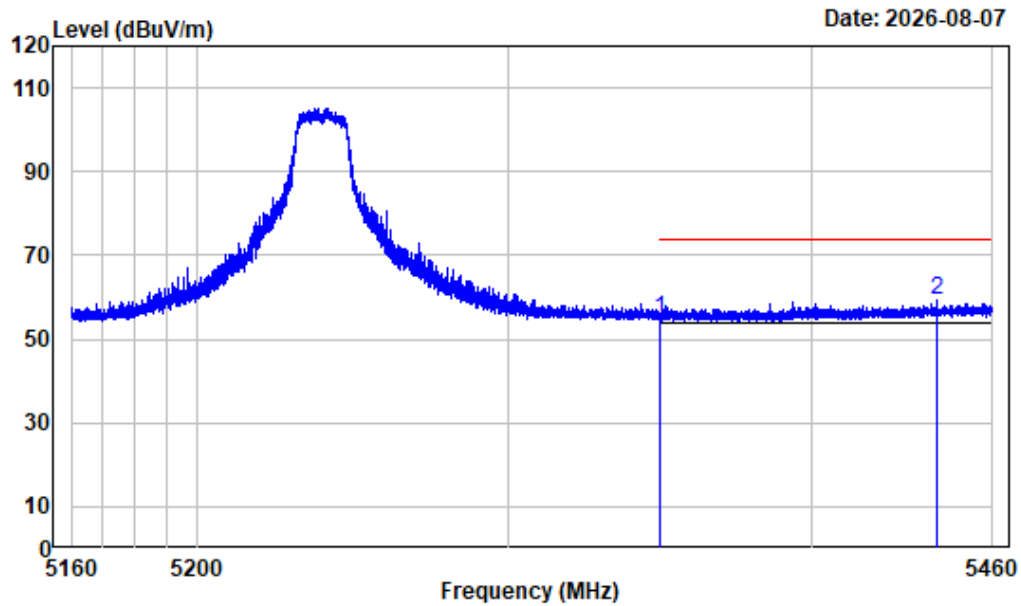
## Right Band edge\_Horizontal\_Average\_802.11a\_5240MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND1\_A\_5240

| Freq Factor |          | Read Level |       | Limit  | Over   | Remark        |
|-------------|----------|------------|-------|--------|--------|---------------|
|             |          |            |       | Line   | Limit  |               |
|             | MHz      | dB/m       | dBuV  | dBuV/m | dBuV/m | dB            |
| 1           | 5350.000 | -7.66      | 51.90 | 44.24  | 54.00  | -9.76 Average |
| 2           | 5399.138 | -7.50      | 53.92 | 46.42  | 54.00  | -7.58 Average |

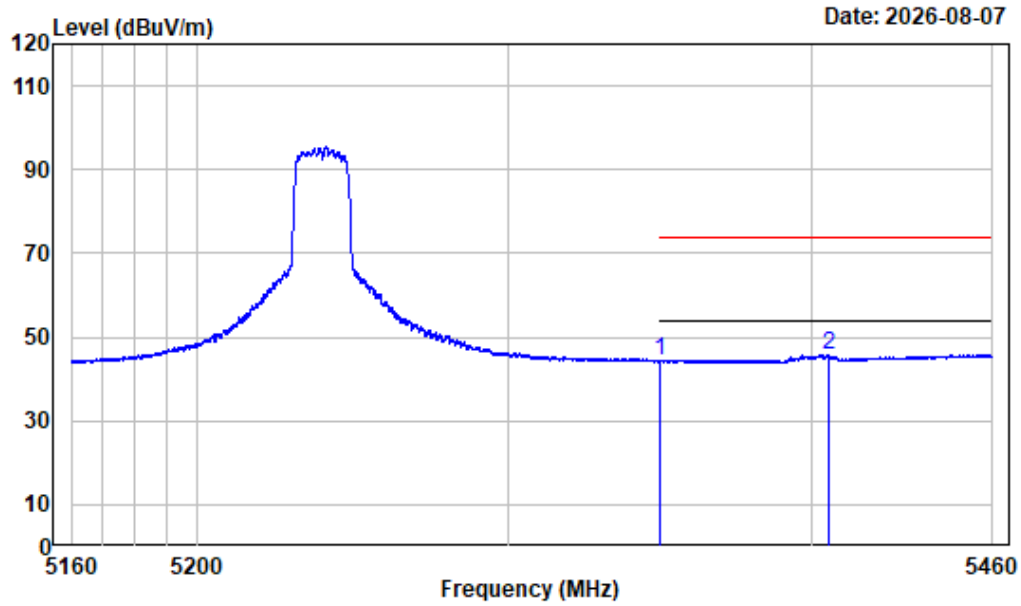
## Right Band edge\_Vertical\_Peak\_802.11a\_5240MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_A\_5240

| Freq Factor |          | Read  |       | Limit  | Over   | Remark      |
|-------------|----------|-------|-------|--------|--------|-------------|
|             |          | Level | Level | Line   | Limit  |             |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1           | 5350.000 | -7.66 | 62.59 | 54.93  | 74.00  | -19.07 Peak |
| 2           | 5441.513 | -6.96 | 66.30 | 59.34  | 74.00  | -14.66 Peak |

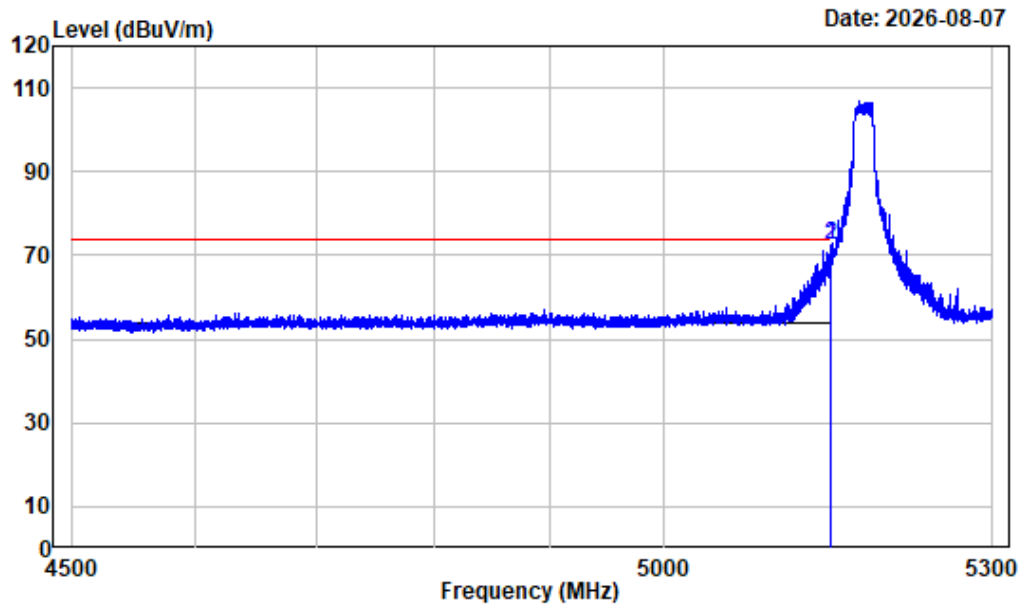
Right Band edge\_Vertical\_Average\_802.11a\_5240MHz



Condition : Vertical  
 Project No. : 2601V21493E-RF  
 Tester : Hugh Li  
 Spectrum setting: Average reading: RBW:1MHz VBW:1kHz Detector:Peak  
 Note : 5gwifi\_BAND1\_A\_5240

| Freq Factor |       | Read Level |        | Limit Line | Over Limit | Remark  |
|-------------|-------|------------|--------|------------|------------|---------|
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m     | dB         |         |
| 1 5350.000  | -7.66 | 52.10      | 44.44  | 54.00      | -9.56      | Average |
| 2 5405.362  | -7.42 | 53.20      | 45.78  | 54.00      | -8.22      | Average |

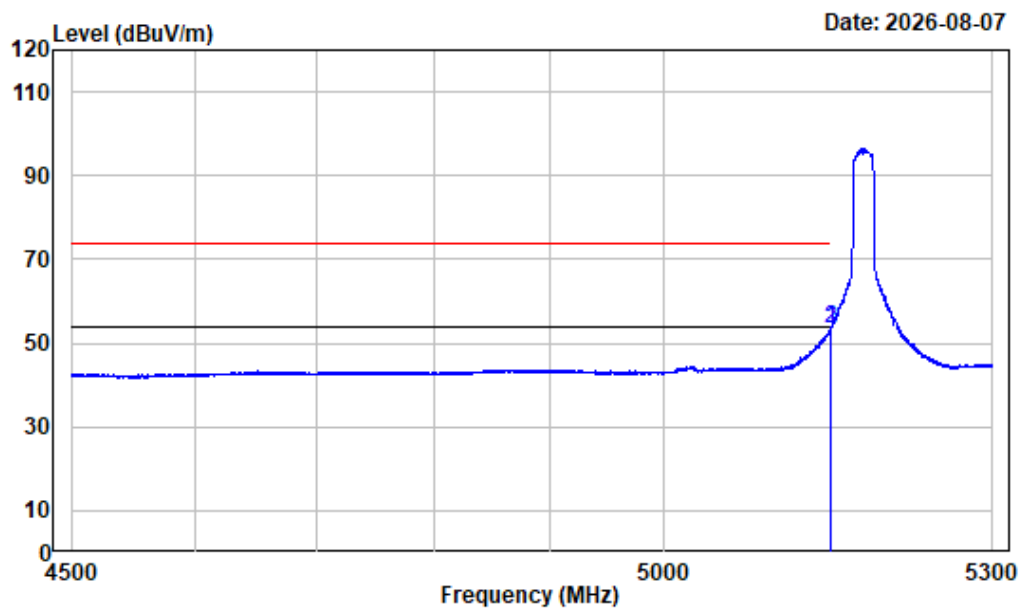
## Left Band edge\_Horizontal\_Peak\_802.11n-ht20\_5180MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N20\_5180

| Freq Factor |       | Read  |        | Limit  | Over  | Remark |
|-------------|-------|-------|--------|--------|-------|--------|
|             |       | Level | Level  | Line   | Limit |        |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB    |        |
| 1 5149.778  | -7.96 | 80.24 | 72.28  | 74.00  | -1.72 | Peak   |
| 2 5150.000  | -7.96 | 80.24 | 72.28  | 74.00  | -1.72 | Peak   |

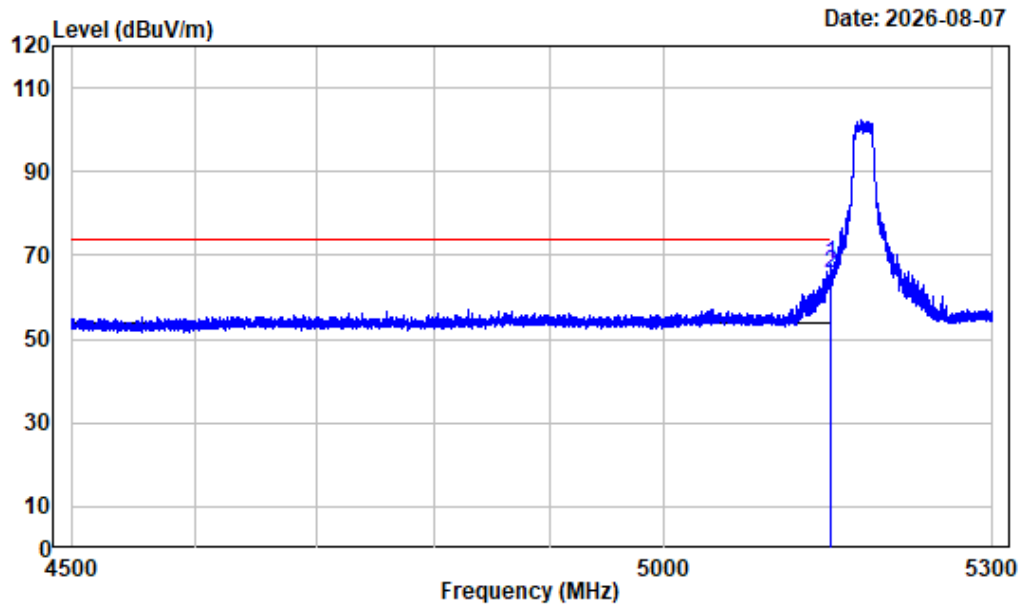
## Left Band edge\_Horizontal\_Average\_802.11n-ht20\_5180MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND1\_N20\_5180

| Freq Factor |          | Read  |       | Limit  | Over   | Remark        |
|-------------|----------|-------|-------|--------|--------|---------------|
|             |          | Level | Level | Line   | Limit  |               |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB            |
| 1           | 5149.800 | -7.96 | 61.52 | 53.56  | 54.00  | -0.44 Average |
| 2           | 5150.000 | -7.96 | 61.37 | 53.41  | 54.00  | -0.59 Average |

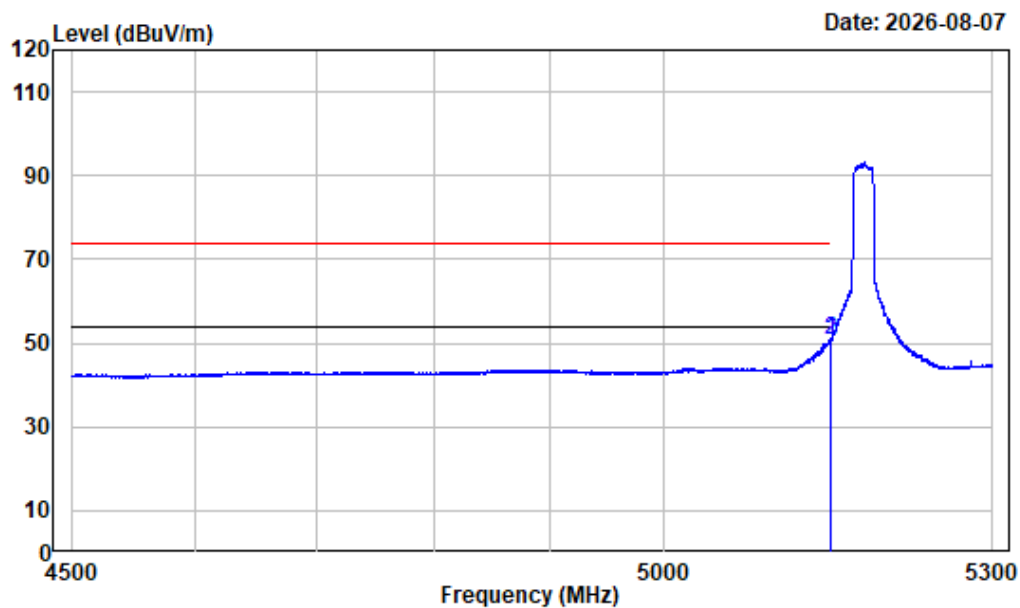
## Left Band edge\_Vertical\_Peak\_802.11n-ht20\_5180MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N20\_5180

| Freq Factor |          | Read  |       | Limit  | Over   | Remark     |
|-------------|----------|-------|-------|--------|--------|------------|
|             |          | Level | Level | Line   | Limit  |            |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB         |
| 1           | 5149.800 | -7.96 | 75.71 | 67.75  | 74.00  | -6.25 Peak |
| 2           | 5150.000 | -7.96 | 73.55 | 65.59  | 74.00  | -8.41 Peak |

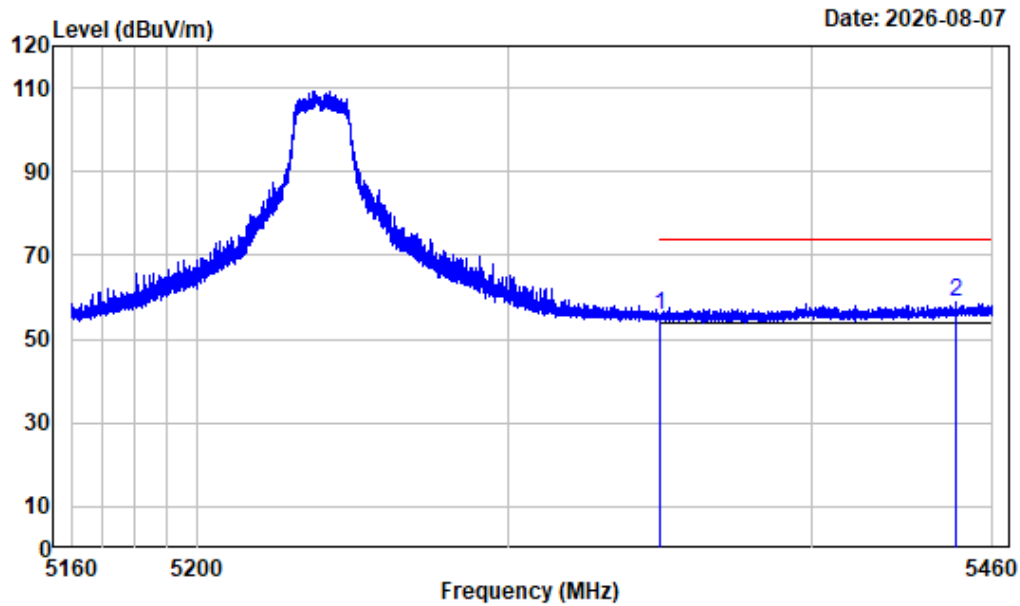
## Left Band edge\_Vertical\_Average\_802.11n-ht20\_5180MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND1\_N20\_5180

| Freq Factor |          | Read  |       | Limit  | Over   | Remark        |
|-------------|----------|-------|-------|--------|--------|---------------|
|             |          | Level | Level | Line   | Limit  |               |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB            |
| 1           | 5149.400 | -7.97 | 58.81 | 50.84  | 54.00  | -3.16 Average |
| 2           | 5150.000 | -7.96 | 58.57 | 50.61  | 54.00  | -3.39 Average |

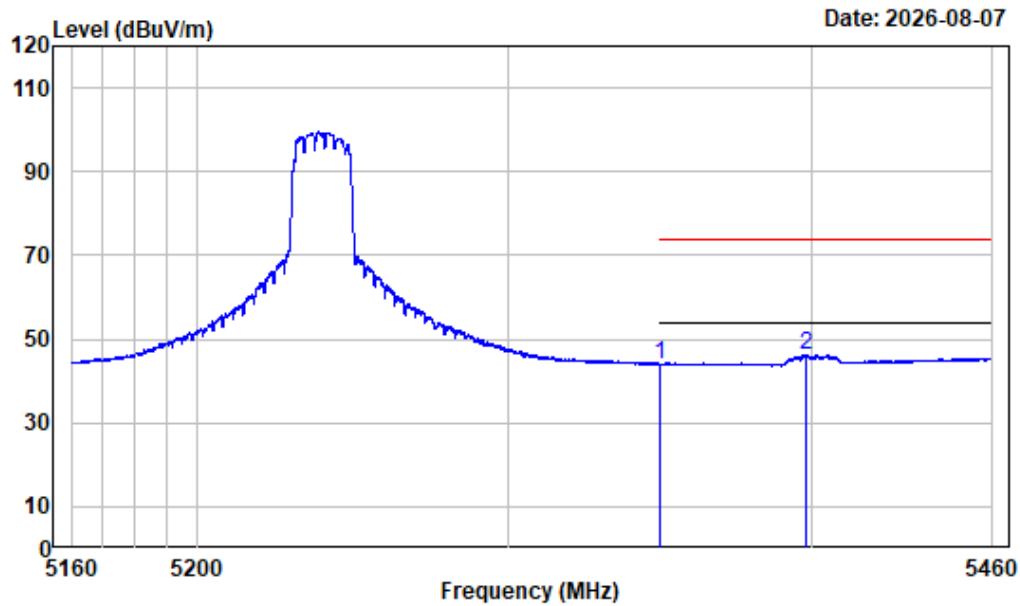
## Right Band edge\_Horizontal\_Peak\_802.11n-ht20\_5240MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N20\_5240

| Freq Factor |          | Read Level |        | Limit  | Over  | Remark      |
|-------------|----------|------------|--------|--------|-------|-------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m | dB    |             |
| 1           | 5350.000 | -7.66      | 63.35  | 55.69  | 74.00 | -18.31 Peak |
| 2           | 5447.663 | -6.88      | 65.73  | 58.85  | 74.00 | -15.15 Peak |

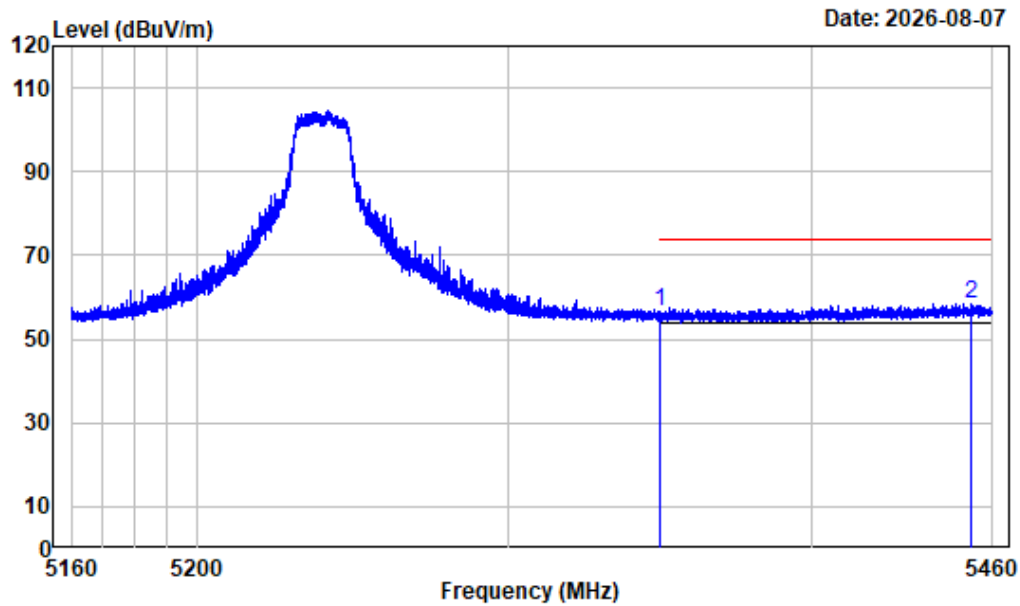
## Right Band edge\_Horizontal\_Average\_802.11n-ht20\_5240MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND1\_N20\_5240

| Freq Factor |          | Read  |       | Limit  | Over   | Remark        |
|-------------|----------|-------|-------|--------|--------|---------------|
|             |          | Level | Level | Line   | Limit  |               |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB            |
| 1           | 5350.000 | -7.66 | 51.68 | 44.02  | 54.00  | -9.98 Average |
| 2           | 5397.975 | -7.49 | 53.68 | 46.19  | 54.00  | -7.81 Average |

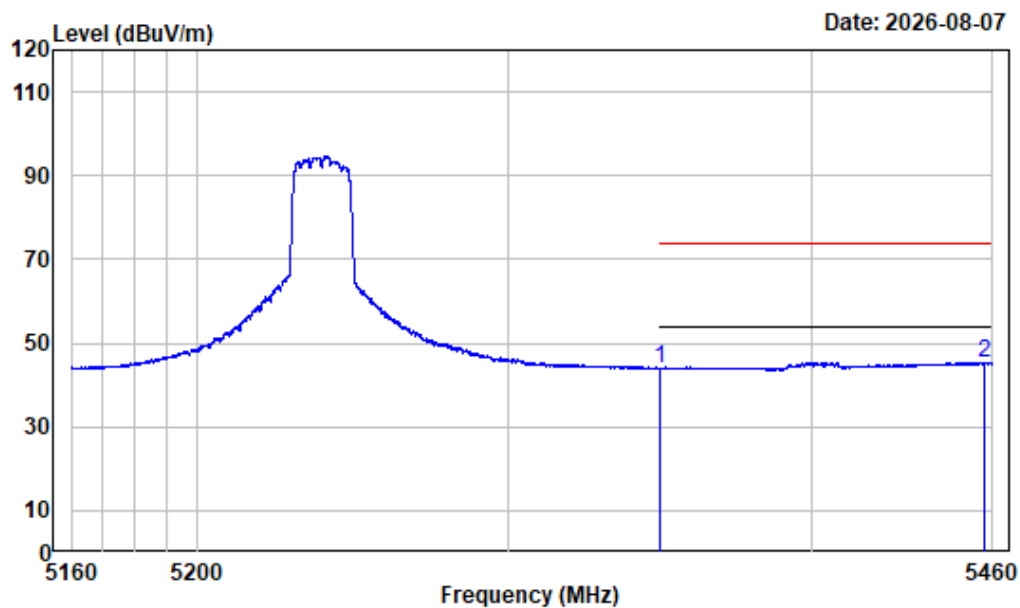
## Right Band edge\_Vertical\_Peak\_802.11n-ht20\_5240MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N20\_5240

| Freq Factor |          | Read Level |       | Limit  | Over   | Remark      |
|-------------|----------|------------|-------|--------|--------|-------------|
|             |          |            |       | Line   | Limit  |             |
|             | MHz      | dB/m       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1           | 5350.000 | -7.66      | 64.07 | 56.41  | 74.00  | -17.59 Peak |
| 2           | 5452.763 | -6.85      | 65.45 | 58.60  | 74.00  | -15.40 Peak |

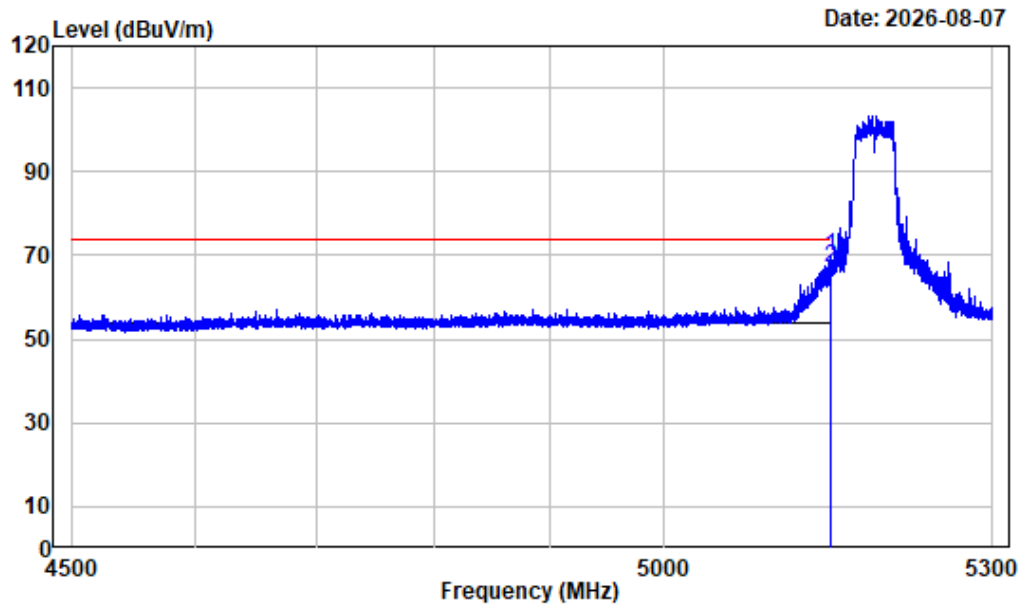
## Right Band edge\_Vertical\_Average\_802.11n-ht20\_5240MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND1\_N20\_5240

| Freq Factor |          | Read Level |       | Limit  | Over   | Remark         |
|-------------|----------|------------|-------|--------|--------|----------------|
|             |          |            |       | Line   | Limit  |                |
|             | MHz      | dB/m       | dBuV  | dBuV/m | dBuV/m | dB             |
| 1           | 5350.000 | -7.66      | 51.55 | 43.89  | 54.00  | -10.11 Average |
| 2           | 5457.375 | -6.85      | 52.26 | 45.41  | 54.00  | -8.59 Average  |

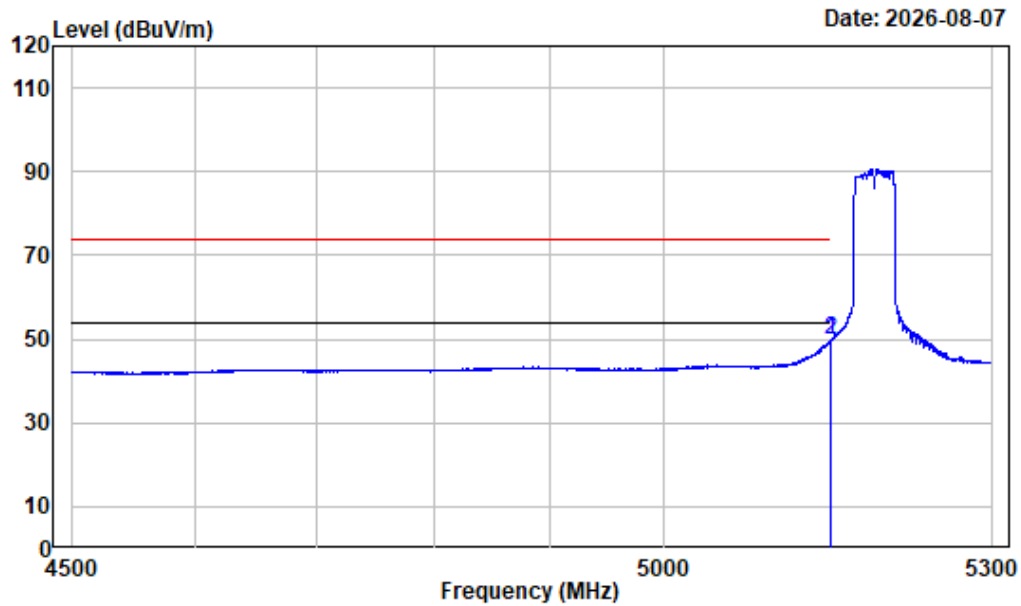
## Left Band edge\_Horizontal\_Peak\_802.11n-ht40\_5190MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N40\_5190

| Freq Factor |       | Read  |        | Limit  | Over  | Remark |
|-------------|-------|-------|--------|--------|-------|--------|
|             |       | Level | Level  | Line   | Limit |        |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB    |        |
| 1 5149.900  | -7.96 | 77.56 | 69.60  | 74.00  | -4.40 | Peak   |
| 2 5150.000  | -7.96 | 74.78 | 66.82  | 74.00  | -7.18 | Peak   |

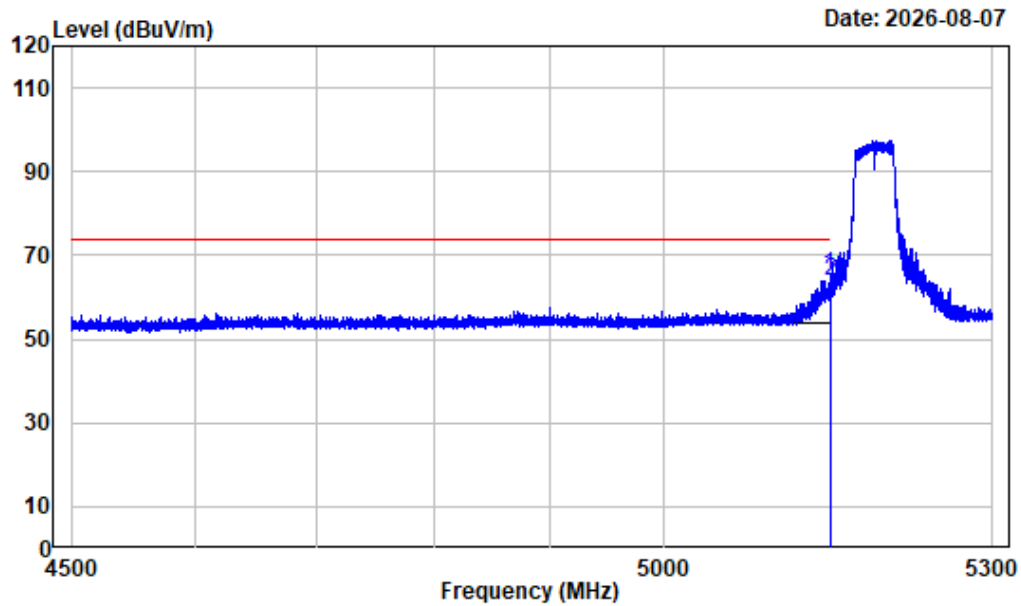
## Left Band edge\_Horizontal\_Average\_802.11n-ht40\_5190MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND1\_N40\_5190

| Freq Factor |          | Read Level |        | Limit Line | Over Limit | Remark        |
|-------------|----------|------------|--------|------------|------------|---------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m     | dB         |               |
| 1           | 5149.900 | -7.96      | 57.75  | 49.79      | 54.00      | -4.21 Average |
| 2           | 5150.000 | -7.96      | 57.68  | 49.72      | 54.00      | -4.28 Average |

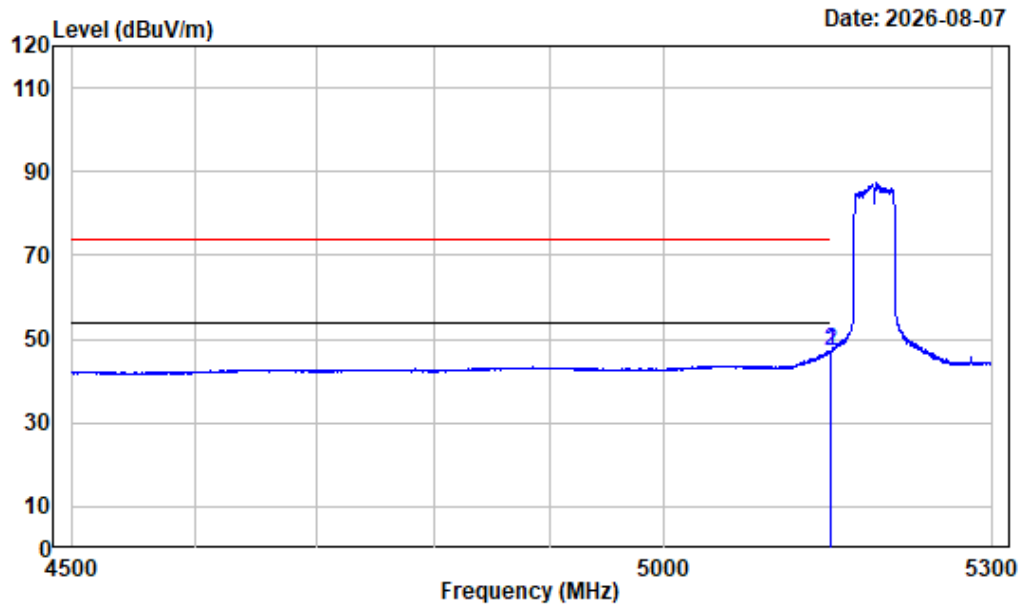
## Left Band edge\_Vertical\_Peak\_802.11n-ht40\_5190MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N40\_5190

| Freq Factor |          | Read  |        | Limit  | Over  | Remark      |
|-------------|----------|-------|--------|--------|-------|-------------|
|             |          | Level | Level  | Line   | Limit |             |
| MHz         | dB/m     | dBuV  | dBuV/m | dBuV/m | dB    |             |
| 1           | 5149.000 | -7.96 | 72.99  | 65.03  | 74.00 | -8.97 Peak  |
| 2           | 5150.000 | -7.96 | 71.92  | 63.96  | 74.00 | -10.04 Peak |

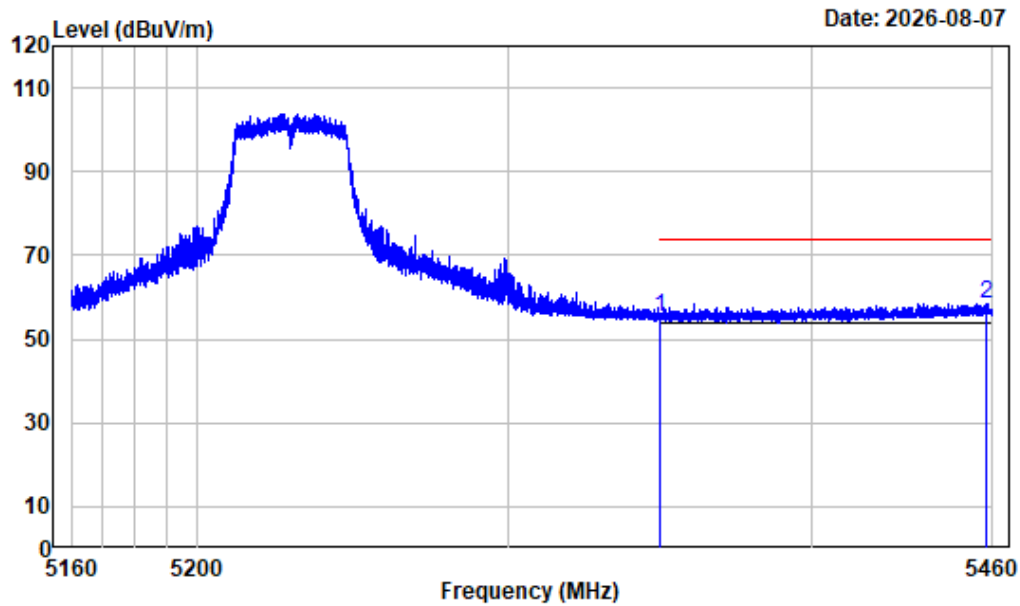
## Left Band edge\_Vertical\_Average\_802.11n-ht40\_5190MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND1\_N40\_5190

| Freq Factor |          | Read Level |        | Limit Line | Over Limit | Remark        |
|-------------|----------|------------|--------|------------|------------|---------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m     | dB         |               |
| 1           | 5149.877 | -7.96      | 55.22  | 47.26      | 54.00      | -6.74 Average |
| 2           | 5150.000 | -7.96      | 55.22  | 47.26      | 54.00      | -6.74 Average |

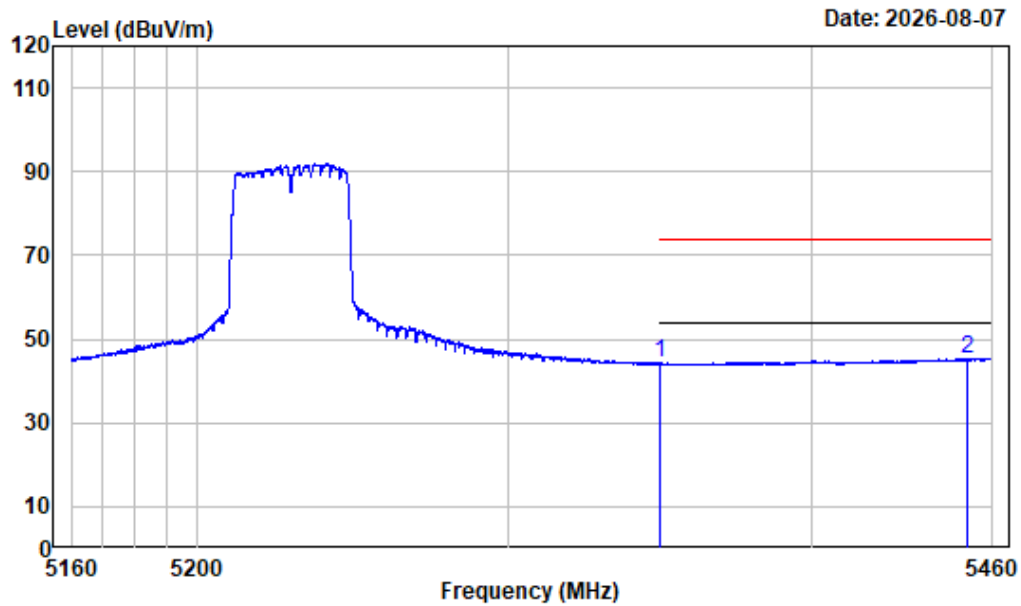
## Right Band edge\_Horizontal\_Peak\_802.11n-ht40\_5230MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N40\_5230

| Freq Factor |          | Read Level |       | Limit  | Over   | Remark      |
|-------------|----------|------------|-------|--------|--------|-------------|
|             |          |            |       | Line   | Limit  |             |
|             | MHz      | dB/m       | dBuV  | dBuV/m | dBuV/m | dB          |
| 1           | 5350.000 | -7.66      | 62.69 | 55.03  | 74.00  | -18.97 Peak |
| 2           | 5458.200 | -6.85      | 65.42 | 58.57  | 74.00  | -15.43 Peak |

## Right Band edge\_Horizontal\_Average\_802.11n-ht40\_5230MHz



Condition : Horizontal

Project No. : 2601V21493E-RF

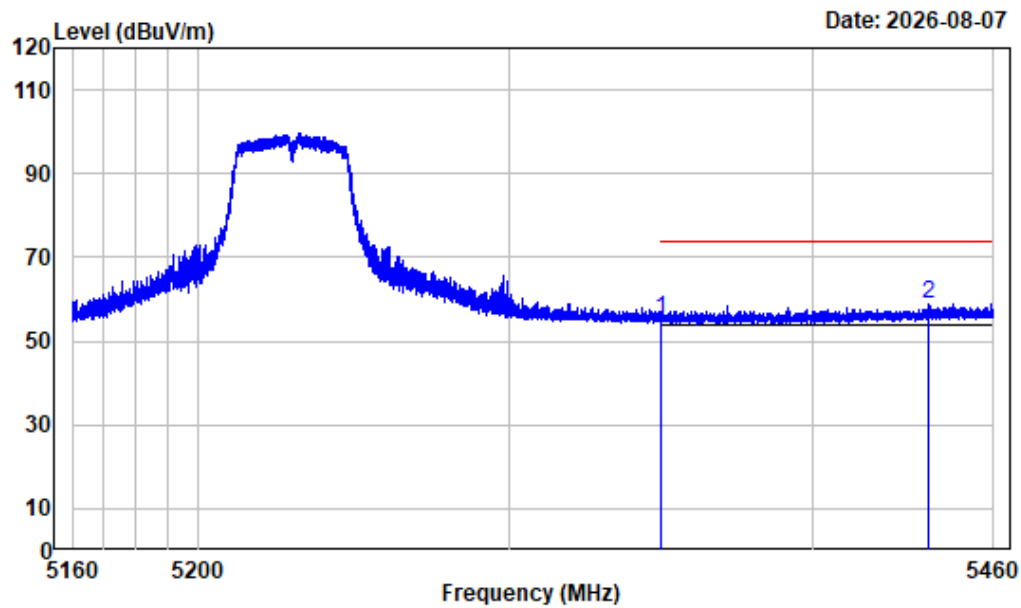
Tester : Hugh Li

Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak

Note : 5gwifi\_BAND1\_N40\_5230

|   | Freq     | Factor | Read Level | Level  | Limit Line | Over Limit | Remark  |
|---|----------|--------|------------|--------|------------|------------|---------|
|   | MHz      | dB/m   | dBuV       | dBuV/m | dBuV/m     | dB         |         |
| 1 | 5350.000 | -7.66  | 51.91      | 44.25  | 54.00      | -9.75      | Average |
| 2 | 5451.337 | -6.86  | 52.28      | 45.42  | 54.00      | -8.58      | Average |

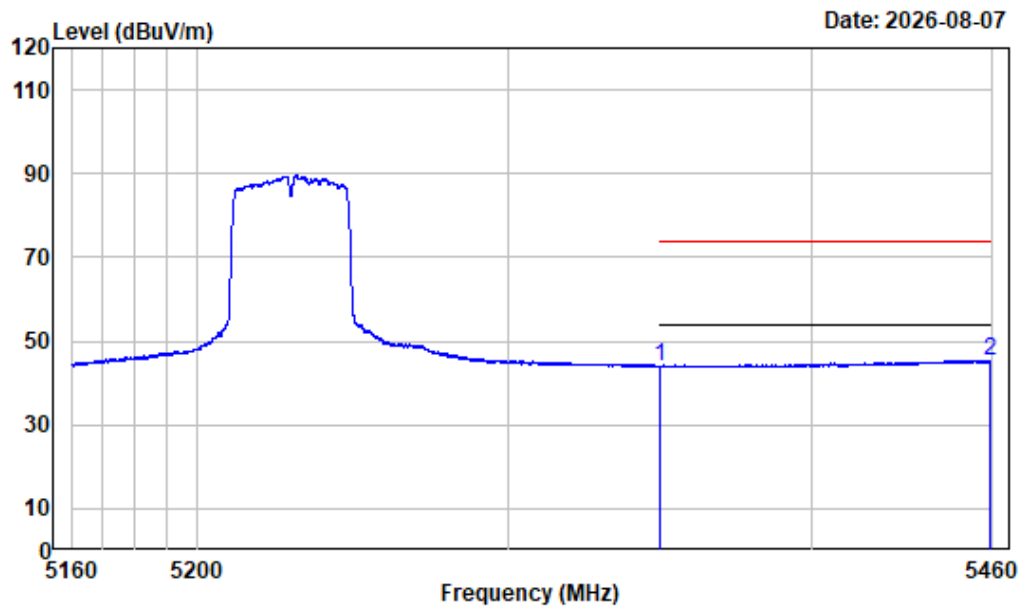
Right Band edge\_Vertical\_Peak\_802.11n-ht40\_5230MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND1\_N40\_5230

| Freq Factor |          | Read  |       | Limit  | Over   | Remark      |
|-------------|----------|-------|-------|--------|--------|-------------|
|             |          | Level | Level | Line   | Limit  |             |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1           | 5350.000 | -7.66 | 62.91 | 55.25  | 74.00  | -18.75 Peak |
| 2           | 5438.212 | -7.00 | 65.85 | 58.85  | 74.00  | -15.15 Peak |

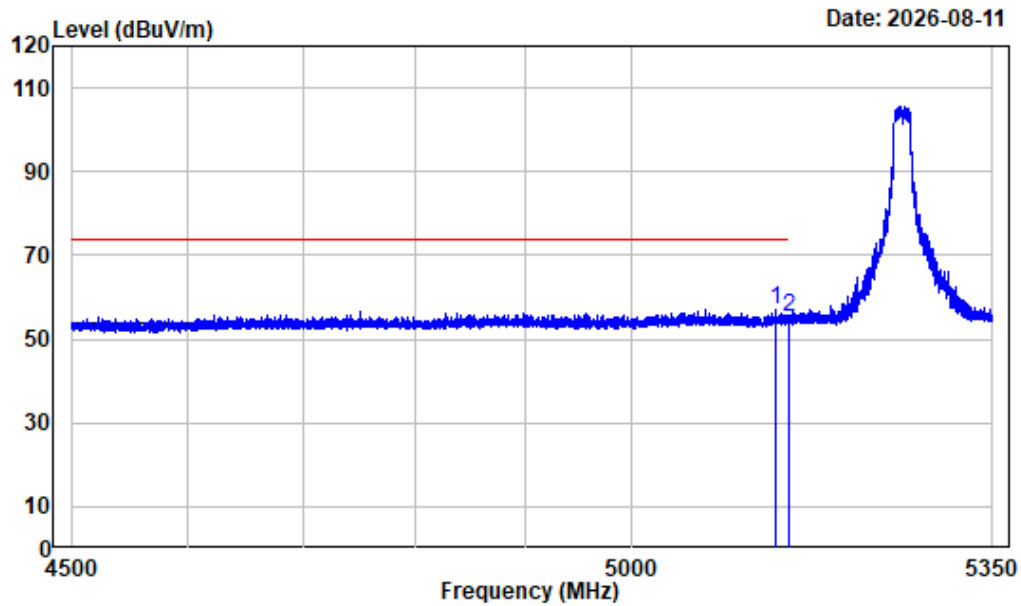
## Right Band edge\_Vertical\_Average\_802.11n-ht40\_5230MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND1\_N40\_5230

| Freq Factor |          | Read  |        | Limit  | Over  | Remark         |
|-------------|----------|-------|--------|--------|-------|----------------|
| MHz         | dB/m     | Level | Level  | Line   | Limit |                |
|             |          | dBuV  | dBuV/m | dBuV/m | dB    |                |
| 1           | 5350.000 | -7.66 | 51.60  | 43.94  | 54.00 | -10.06 Average |
| 2           | 5459.250 | -6.84 | 52.18  | 45.34  | 54.00 | -8.66 Average  |

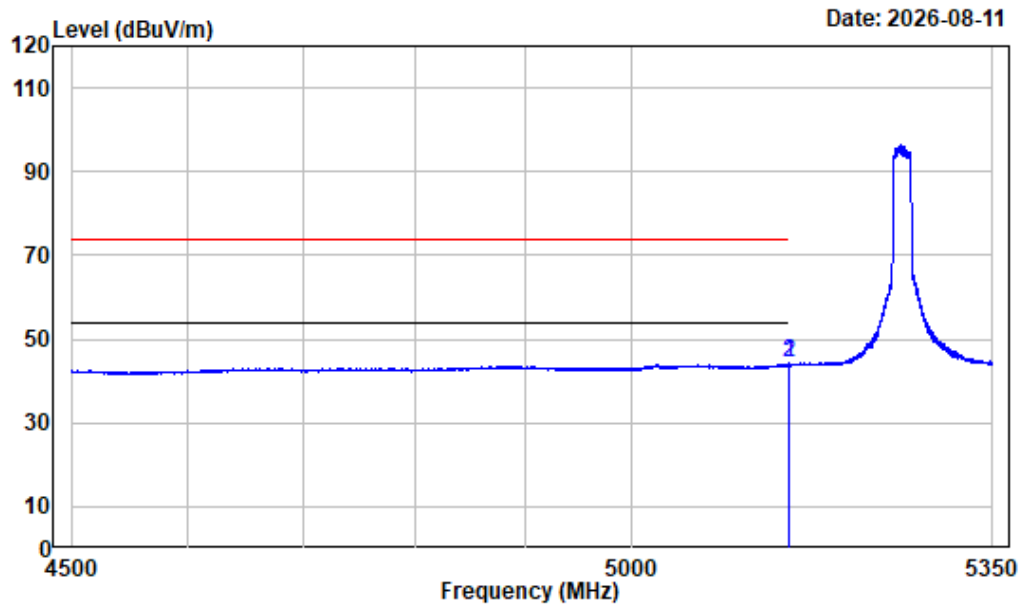
## Left Band edge\_Horizontal\_Peak\_802.11a\_5260MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_A\_5260

| Freq Factor |          | Read  |        | Limit  | Over  | Remark      |
|-------------|----------|-------|--------|--------|-------|-------------|
|             |          | Level | Level  | Line   | Limit |             |
| MHz         | dB/m     | dBuV  | dBuV/m | dBuV/m | dB    |             |
| 1           | 5135.906 | -8.03 | 65.28  | 57.25  | 74.00 | -16.75 Peak |
| 2           | 5150.000 | -7.96 | 63.02  | 55.06  | 74.00 | -18.94 Peak |

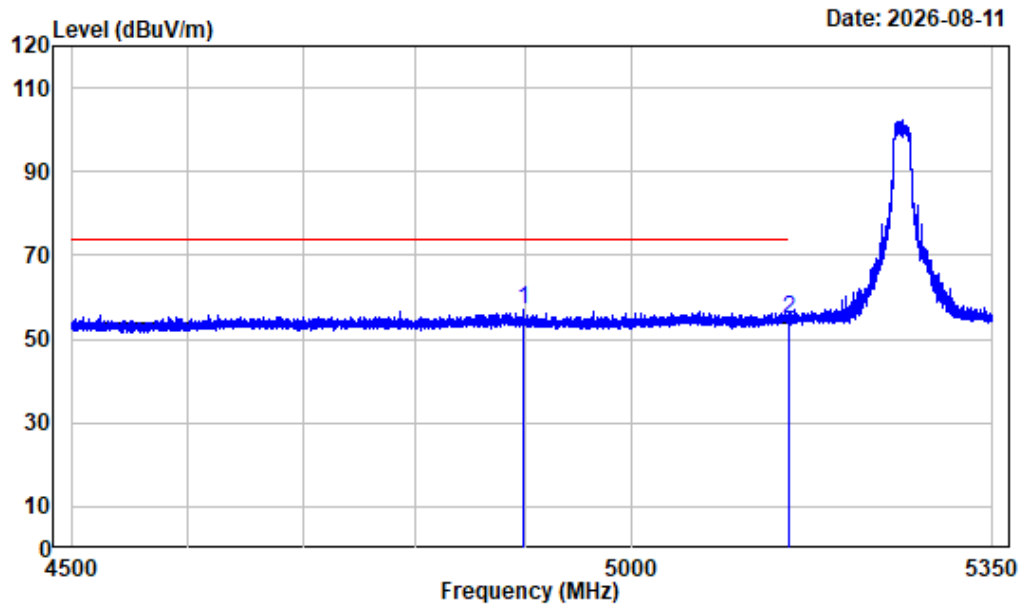
## Left Band edge\_Horizontal\_Average\_802.11a\_5260MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND2\_A\_5260

| Freq Factor |          | Read Level |        | Limit  | Over  | Remark        |
|-------------|----------|------------|--------|--------|-------|---------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m | dB    |               |
| 1           | 5149.260 | -7.97      | 52.16  | 44.19  | 54.00 | -9.81 Average |
| 2           | 5150.000 | -7.96      | 52.15  | 44.19  | 54.00 | -9.81 Average |

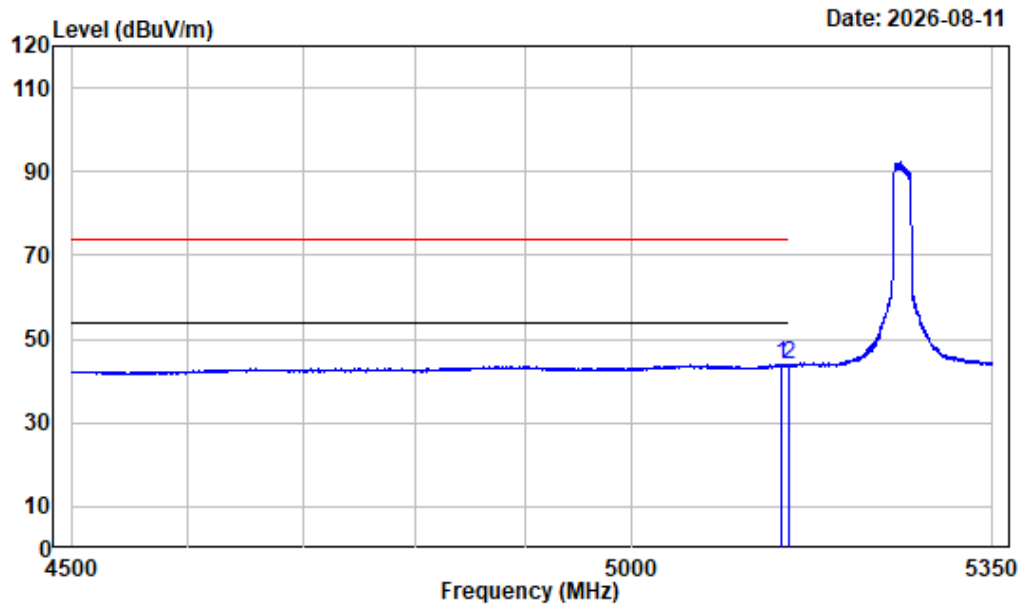
## Left Band edge\_Vertical\_Peak\_802.11a\_5260MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_A\_5260

| Freq Factor |          | Read  |       | Limit  | Over   | Remark      |
|-------------|----------|-------|-------|--------|--------|-------------|
|             |          | Level | Level | Line   | Limit  |             |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1           | 4899.288 | -8.65 | 65.63 | 56.98  | 74.00  | -17.02 Peak |
| 2           | 5150.000 | -7.96 | 62.77 | 54.81  | 74.00  | -19.19 Peak |

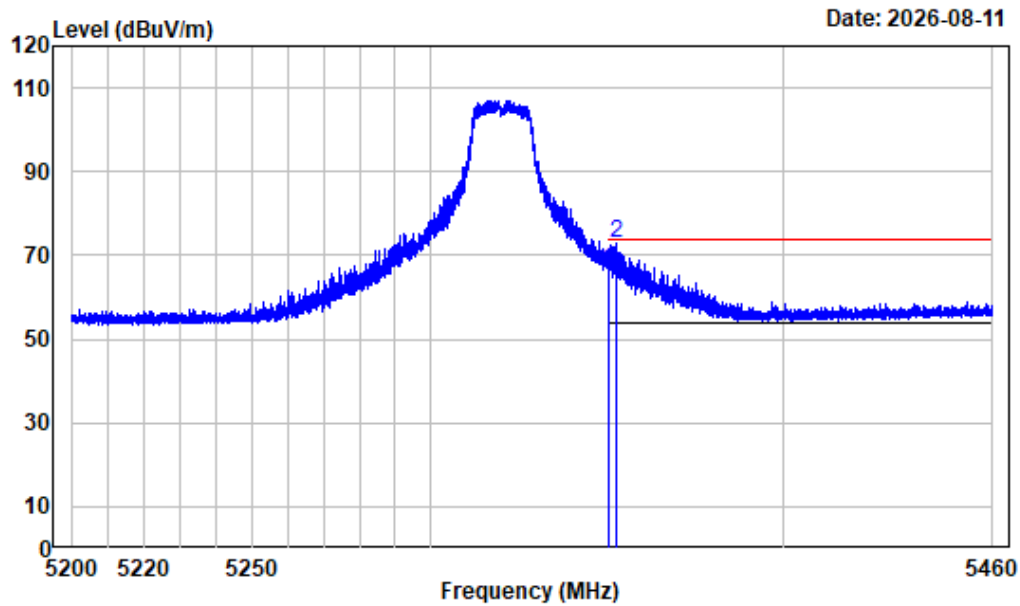
## Left Band edge\_Vertical\_Average\_802.11a\_5260MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND2\_A\_5260

| Freq Factor |          | Read  |       | Limit  | Over   | Remark         |
|-------------|----------|-------|-------|--------|--------|----------------|
|             |          | Level | Level | Line   | Limit  |                |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB             |
| 1           | 5142.069 | -7.99 | 51.84 | 43.85  | 54.00  | -10.15 Average |
| 2           | 5150.000 | -7.96 | 51.67 | 43.71  | 54.00  | -10.29 Average |

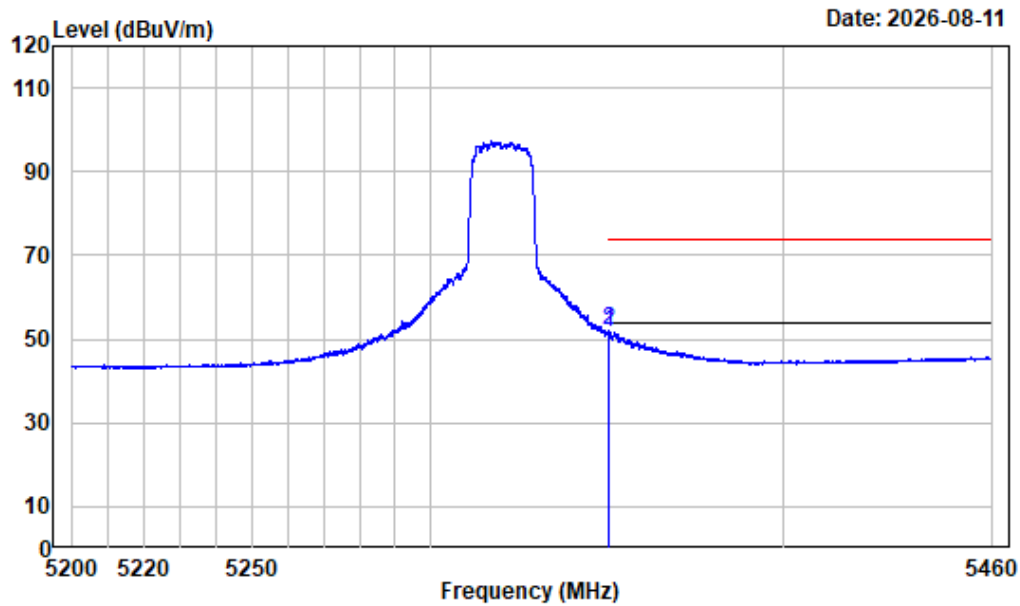
## Right Band edge\_Horizontal\_Peak\_802.11a\_5320MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_A\_5320

| Freq Factor |          | Read  |       | Limit  | Over   | Remark     |
|-------------|----------|-------|-------|--------|--------|------------|
|             |          | Level | Level | Line   | Limit  |            |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m |            |
| 1           | 5350.000 | -7.66 | 74.12 | 66.46  | 74.00  | -7.54 Peak |
| 2           | 5352.360 | -7.66 | 80.53 | 72.87  | 74.00  | -1.13 Peak |

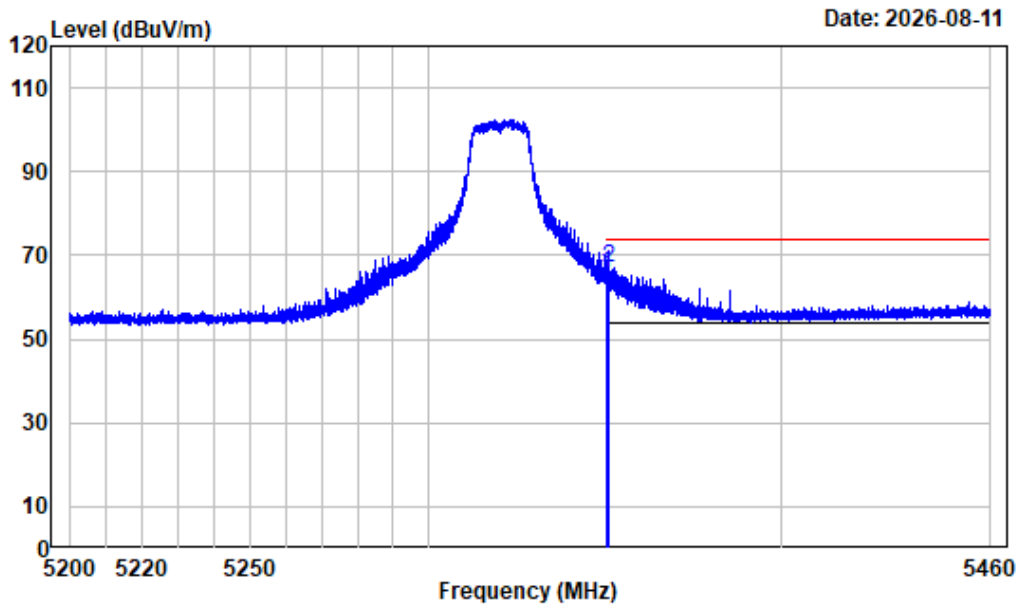
## Right Band edge\_Horizontal\_Average\_802.11a\_5320MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND2\_A\_5320

| Freq Factor |          | Read Level |        | Limit  | Over  | Remark        |
|-------------|----------|------------|--------|--------|-------|---------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m | dB    |               |
| 1           | 5350.000 | -7.66      | 59.29  | 51.63  | 54.00 | -2.37 Average |
| 2           | 5350.053 | -7.66      | 59.62  | 51.96  | 54.00 | -2.04 Average |

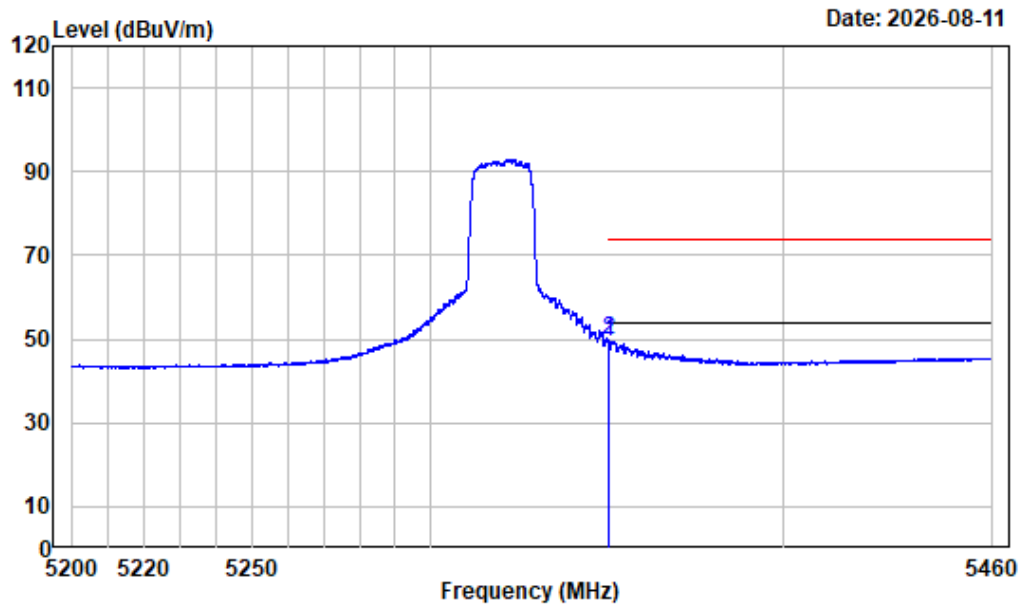
Right Band edge\_Vertical\_Peak\_802.11a\_5320MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_A\_5320

| Freq Factor |          | Read  |       | Limit  | Over   | Remark     |
|-------------|----------|-------|-------|--------|--------|------------|
|             |          | Level | Level | Line   | Limit  |            |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB         |
| 1           | 5350.000 | -7.66 | 73.50 | 65.84  | 74.00  | -8.16 Peak |
| 2           | 5350.833 | -7.66 | 74.80 | 67.14  | 74.00  | -6.86 Peak |

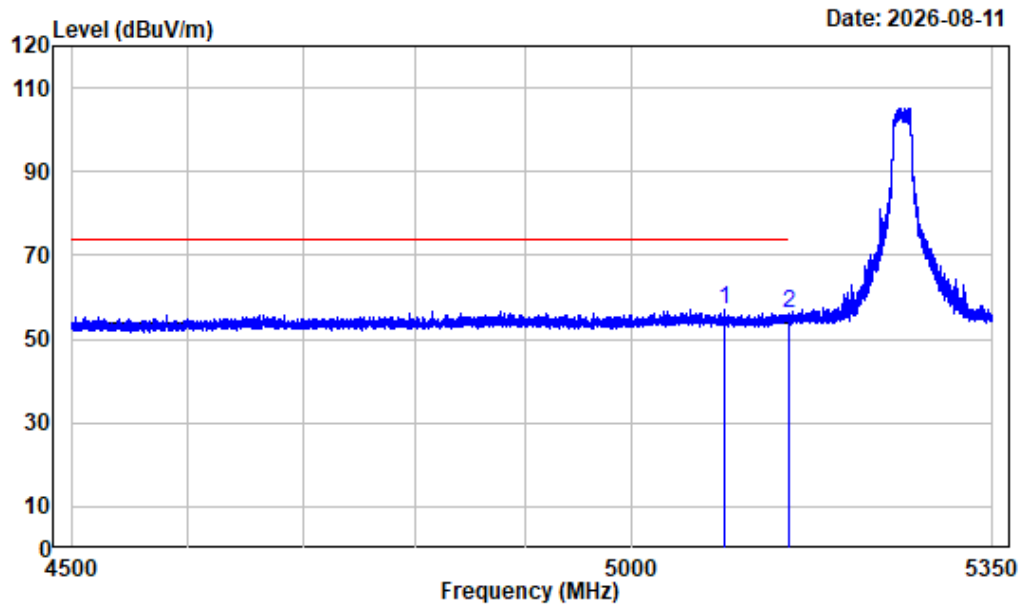
## Right Band edge\_Vertical\_Average\_802.11a\_5320MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND2\_A\_5320

| Freq Factor |       | Read Level |        | Limit Line | Over Limit | Remark  |
|-------------|-------|------------|--------|------------|------------|---------|
| MHz         | dB/m  | dBuV       | dBUV/m | dBUV/m     | dB         |         |
| 1 5350.000  | -7.66 | 57.23      | 49.57  | 54.00      | -4.43      | Average |
| 2 5350.053  | -7.66 | 57.29      | 49.63  | 54.00      | -4.37      | Average |

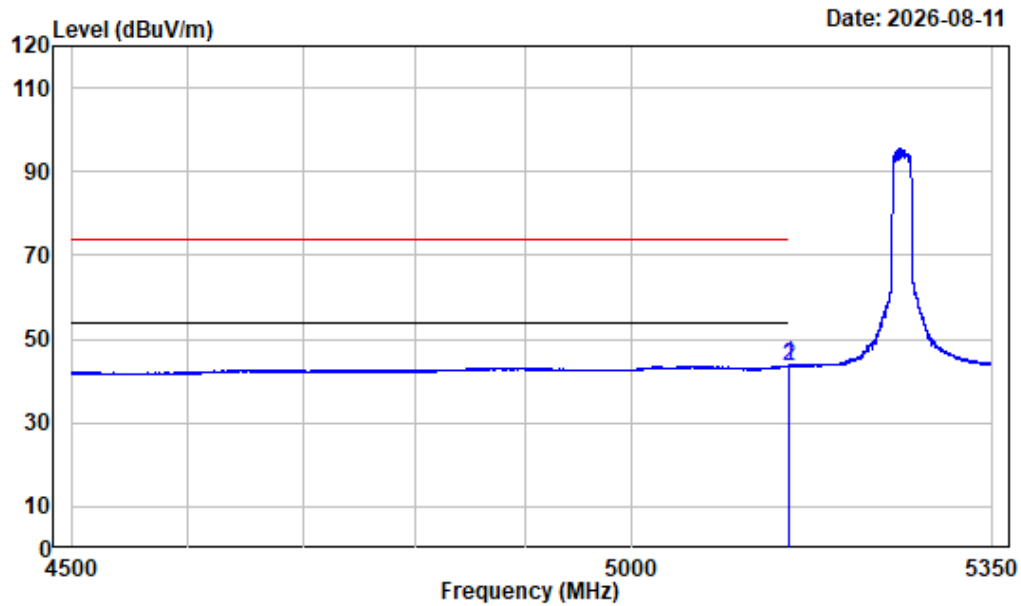
## Left Band edge\_Horizontal\_Peak\_802.11n-ht20\_5260MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N20\_5260

| Freq Factor |          | Read  |       | Limit  | Over   | Remark      |
|-------------|----------|-------|-------|--------|--------|-------------|
|             |          | Level | Level | Line   | Limit  |             |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1           | 5087.881 | -8.13 | 65.32 | 57.19  | 74.00  | -16.81 Peak |
| 2           | 5150.000 | -7.96 | 64.02 | 56.06  | 74.00  | -17.94 Peak |

## Left Band edge\_Horizontal\_Average\_802.11n-ht20\_5260MHz



Condition : Horizontal

Project No. : 2601V21493E-RF

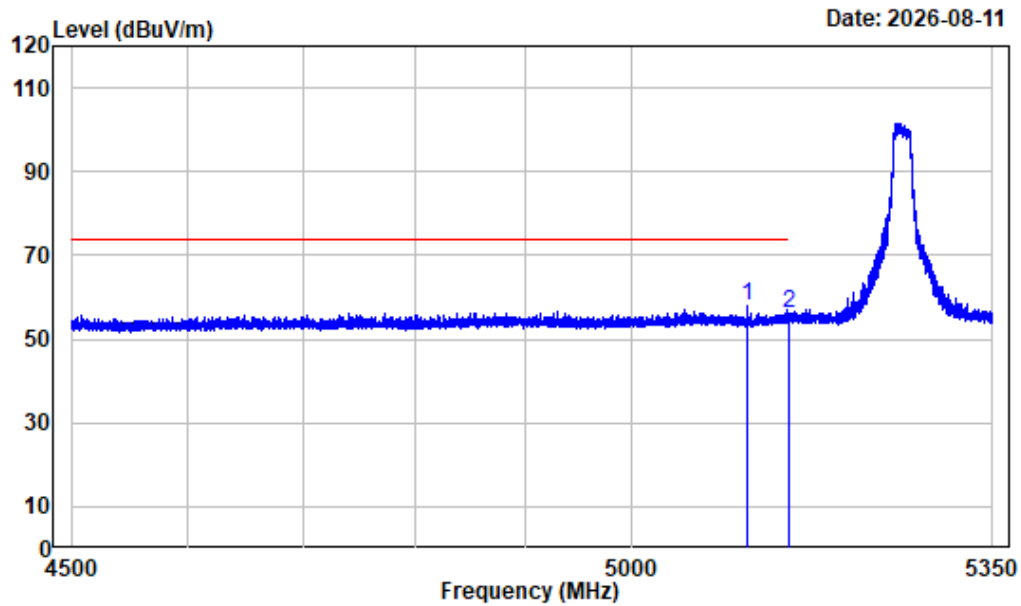
Tester : Hugh Li

Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak

Note : 5gwifi\_BAND2\_N20\_5260

| Freq Factor |          | Read  |       | Limit  | Over   | Remark         |
|-------------|----------|-------|-------|--------|--------|----------------|
|             |          | Level | Level | Line   | Limit  |                |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB             |
| 1           | 5148.975 | -7.96 | 51.66 | 43.70  | 54.00  | -10.30 Average |
| 2           | 5150.000 | -7.96 | 51.54 | 43.58  | 54.00  | -10.42 Average |

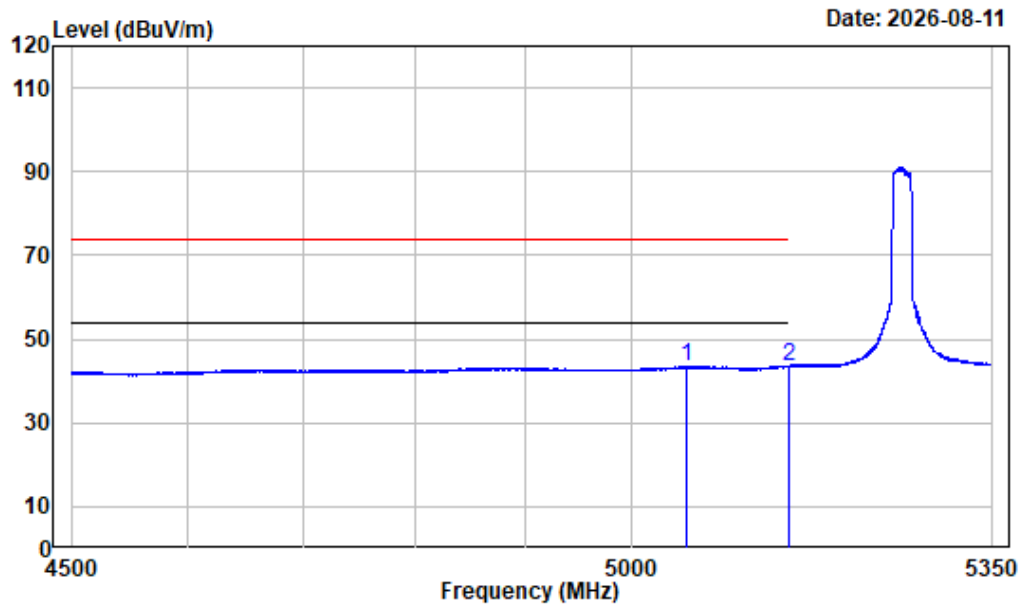
## Left Band edge\_Vertical\_Peak\_802.11n-ht20\_5260MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N20\_5260

| Freq Factor |          | Read  |       | Limit  | Over   | Remark      |
|-------------|----------|-------|-------|--------|--------|-------------|
|             |          | Level | Level | Line   | Limit  |             |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1           | 5108.813 | -8.13 | 65.88 | 57.75  | 74.00  | -16.25 Peak |
| 2           | 5150.000 | -7.96 | 63.95 | 55.99  | 74.00  | -18.01 Peak |

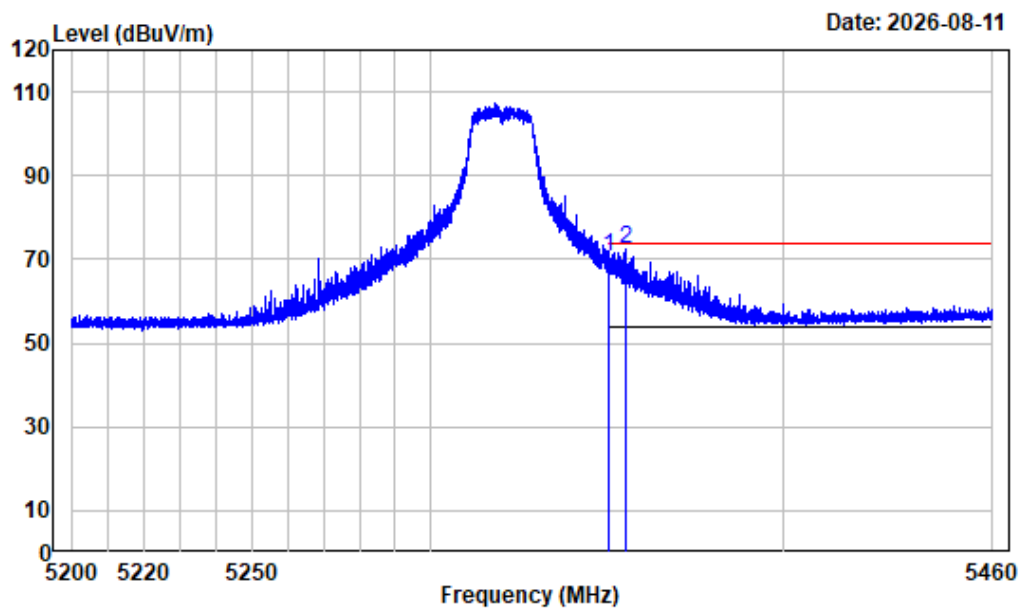
## Left Band edge\_Vertical\_Average\_802.11n-ht20\_5260MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND2\_N20\_5260

| Freq Factor |          | Read  |       | Limit  | Over   | Remark         |
|-------------|----------|-------|-------|--------|--------|----------------|
|             |          | Level | Level | Line   | Limit  |                |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB             |
| 1           | 5051.438 | -7.98 | 51.61 | 43.63  | 54.00  | -10.37 Average |
| 2           | 5150.000 | -7.96 | 51.43 | 43.47  | 54.00  | -10.53 Average |

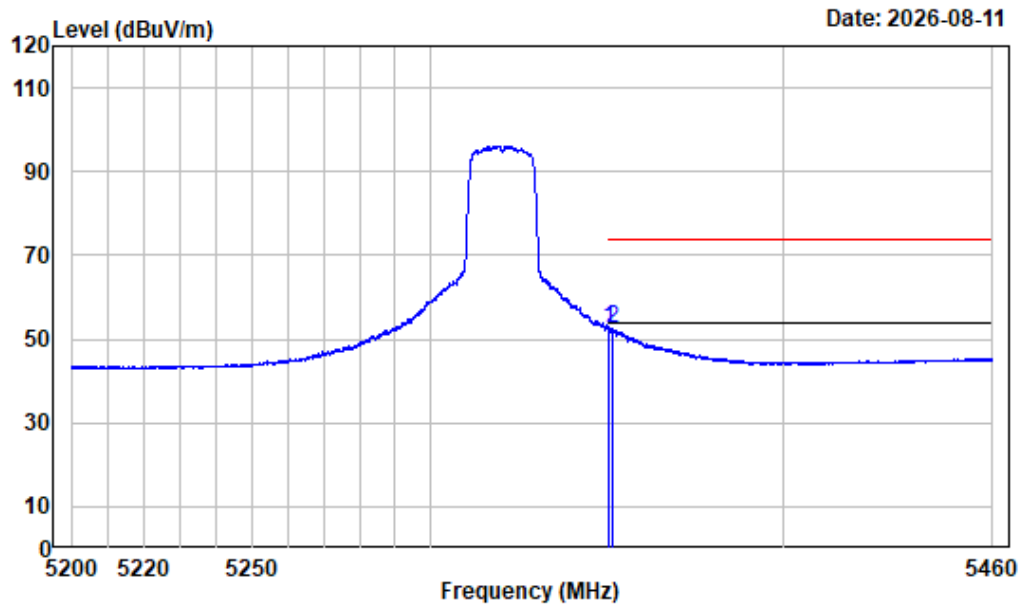
## Right Band edge\_Horizontal\_Peak\_802.11n-ht20\_5320MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N20\_5320

| Freq Factor |          | Read Level |       | Limit  | Over   | Remark     |
|-------------|----------|------------|-------|--------|--------|------------|
|             |          |            |       | Line   | Limit  |            |
|             | MHz      | dB/m       | dBuV  | dBuV/m | dBuV/m | dB         |
| 1           | 5350.000 | -7.66      | 78.08 | 70.42  | 74.00  | -3.58 Peak |
| 2           | 5354.960 | -7.64      | 80.09 | 72.45  | 74.00  | -1.55 Peak |

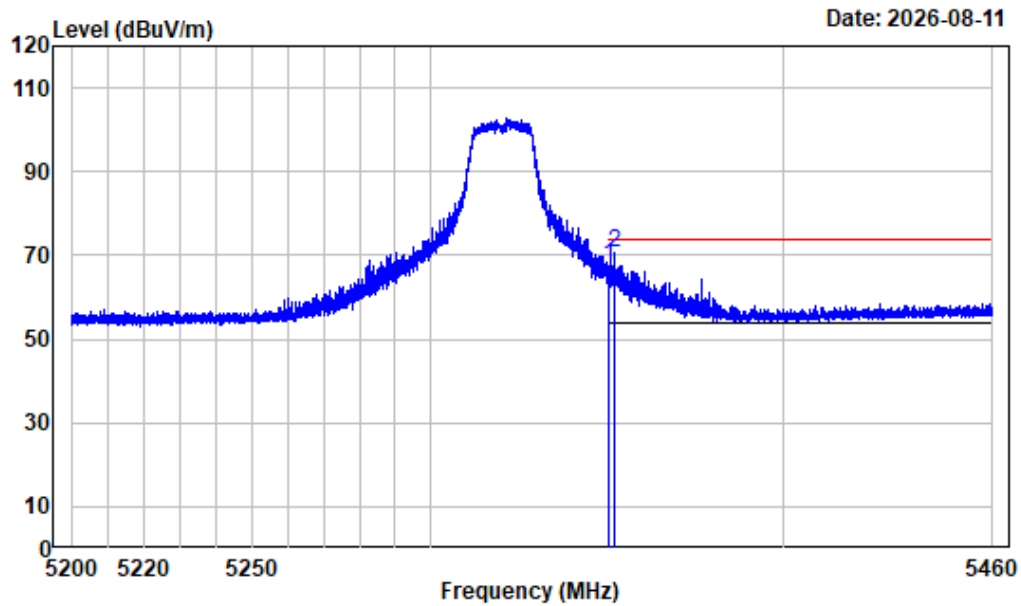
## Right Band edge\_Horizontal\_Average\_802.11n-ht20\_5320MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND2\_N20\_5320

| Freq Factor |          | Read Level |       | Limit  | Over   | Remark        |
|-------------|----------|------------|-------|--------|--------|---------------|
|             |          |            |       | Line   | Limit  |               |
|             | MHz      | dB/m       | dBuV  | dBuV/m | dBuV/m |               |
| 1           | 5350.000 | -7.66      | 60.21 | 52.55  | 54.00  | -1.45 Average |
| 2           | 5351.223 | -7.65      | 60.36 | 52.71  | 54.00  | -1.29 Average |

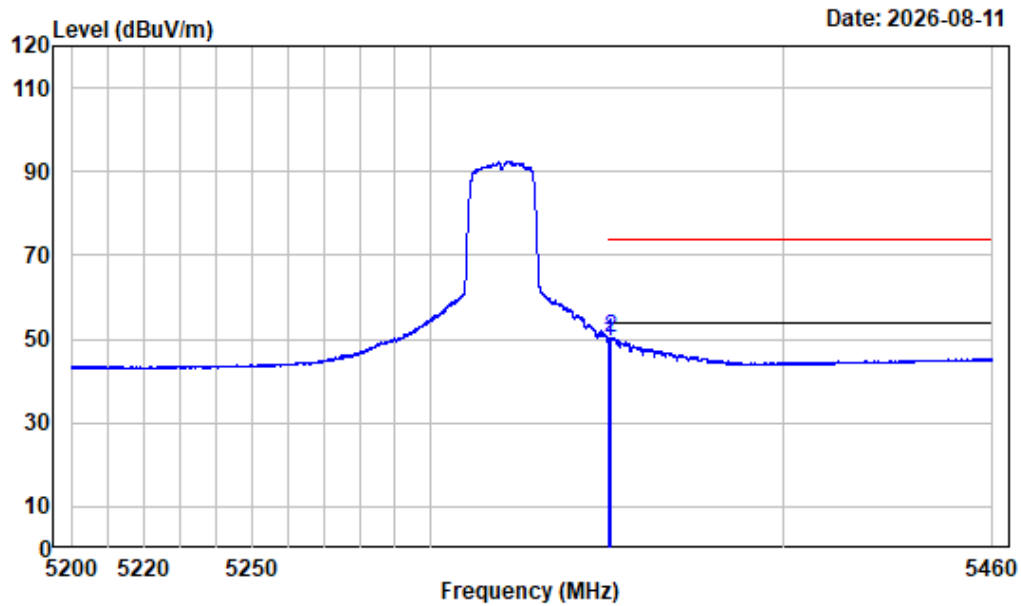
## Right Band edge\_Vertical\_Peak\_802.11n-ht20\_5320MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N20\_5320

| Freq Factor |          | Read  |       | Limit  | Over   | Remark     |
|-------------|----------|-------|-------|--------|--------|------------|
|             |          | Level | Level | Line   | Limit  |            |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB         |
| 1           | 5350.000 | -7.66 | 75.27 | 67.61  | 74.00  | -6.39 Peak |
| 2           | 5351.905 | -7.66 | 78.09 | 70.43  | 74.00  | -3.57 Peak |

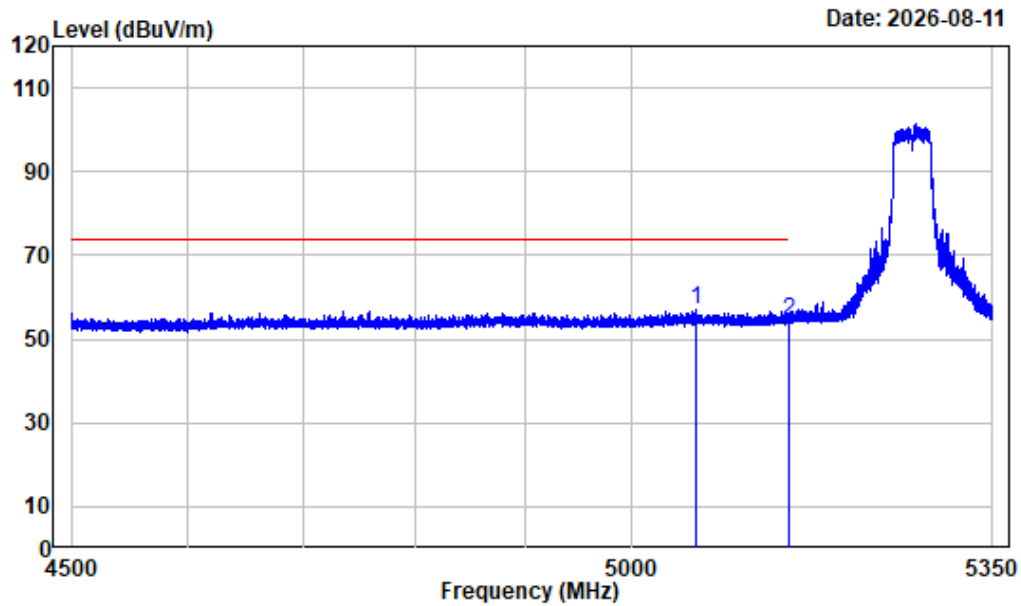
## Right Band edge\_Vertical\_Average\_802.11n-ht20\_5320MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND2\_N20\_5320

| Freq Factor |          | Read Level |        | Limit  | Over  | Remark        |
|-------------|----------|------------|--------|--------|-------|---------------|
| MHz         | dB/m     | dBuV       | dBUV/m | dBUV/m | dB    |               |
| 1           | 5350.000 | -7.66      | 56.82  | 49.16  | 54.00 | -4.84 Average |
| 2           | 5350.507 | -7.66      | 58.00  | 50.34  | 54.00 | -3.66 Average |

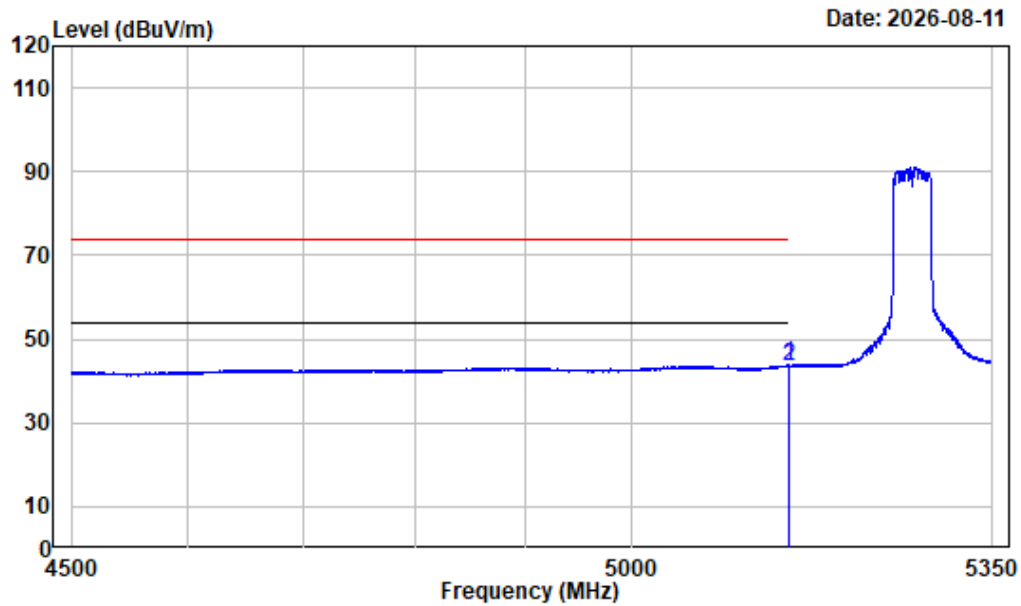
## Left Band edge\_Horizontal\_Peak\_802.11n-ht40\_5270MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5270

| Freq Factor |          | Read Level |        | Limit Line | Over Limit | Remark      |
|-------------|----------|------------|--------|------------|------------|-------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m     | dB         |             |
| 1           | 5060.681 | -8.03      | 65.18  | 57.15      | 74.00      | -16.85 Peak |
| 2           | 5150.000 | -7.96      | 62.18  | 54.22      | 74.00      | -19.78 Peak |

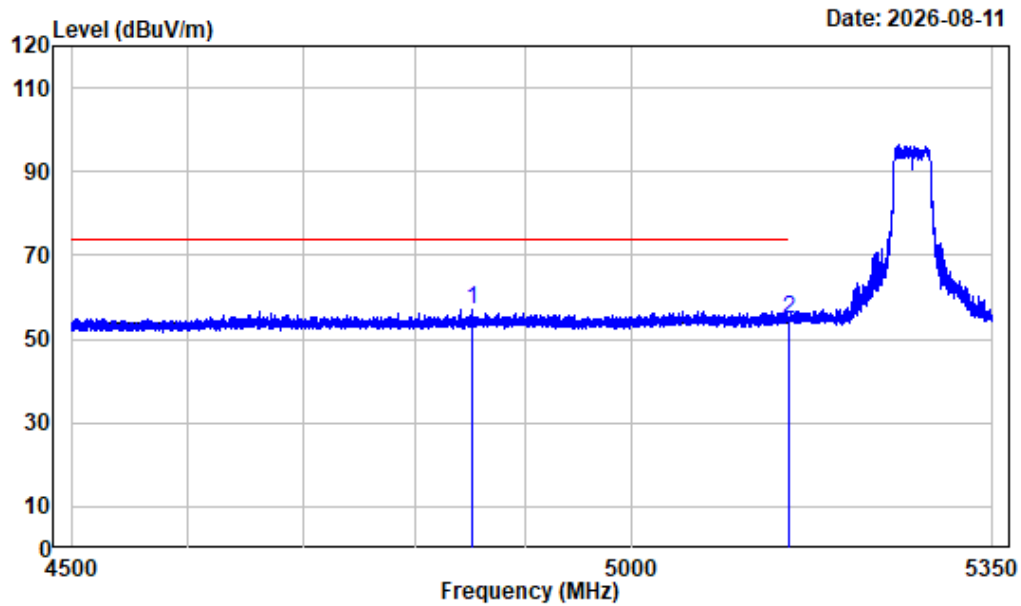
## Left Band edge\_Horizontal\_Average\_802.11n-ht40\_5270MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5270

| Freq Factor |          | Read Level |        | Limit Line | Over Limit | Remark         |
|-------------|----------|------------|--------|------------|------------|----------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m     | dB         |                |
| 1           | 5149.081 | -7.96      | 51.76  | 43.80      | 54.00      | -10.20 Average |
| 2           | 5150.000 | -7.96      | 51.50  | 43.54      | 54.00      | -10.46 Average |

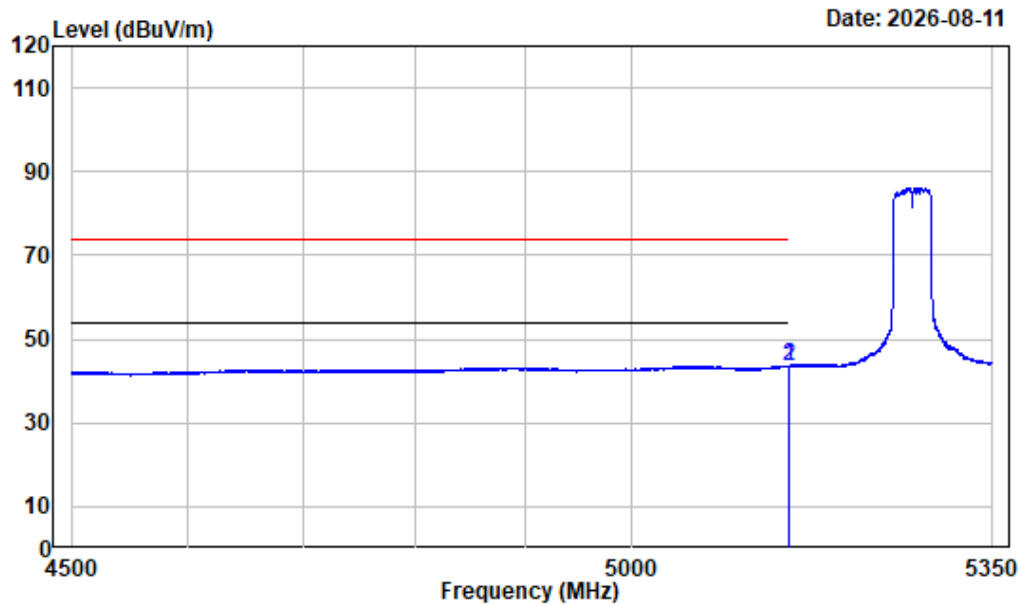
## Left Band edge\_Vertical\_Peak\_802.11n-ht40\_5270MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5270

| Freq Factor |          | Read  |       | Limit  | Over   | Remark      |
|-------------|----------|-------|-------|--------|--------|-------------|
|             |          | Level | Level | Line   | Limit  |             |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1           | 4852.431 | -8.51 | 65.43 | 56.92  | 74.00  | -17.08 Peak |
| 2           | 5150.000 | -7.96 | 62.68 | 54.72  | 74.00  | -19.28 Peak |

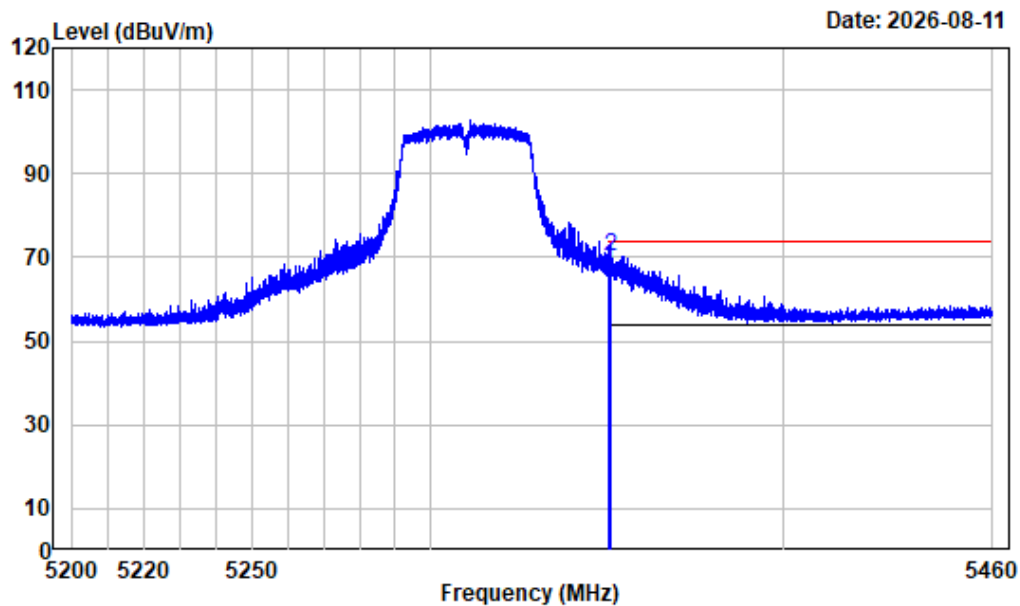
## Left Band edge\_Vertical\_Average\_802.11n-ht40\_5270MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5270

| Freq Factor |          | Read  |       | Limit  | Over   | Remark         |
|-------------|----------|-------|-------|--------|--------|----------------|
|             |          | Level | Level | Line   | Limit  |                |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB             |
| 1           | 5149.612 | -7.96 | 51.61 | 43.65  | 54.00  | -10.35 Average |
| 2           | 5150.000 | -7.96 | 51.59 | 43.63  | 54.00  | -10.37 Average |

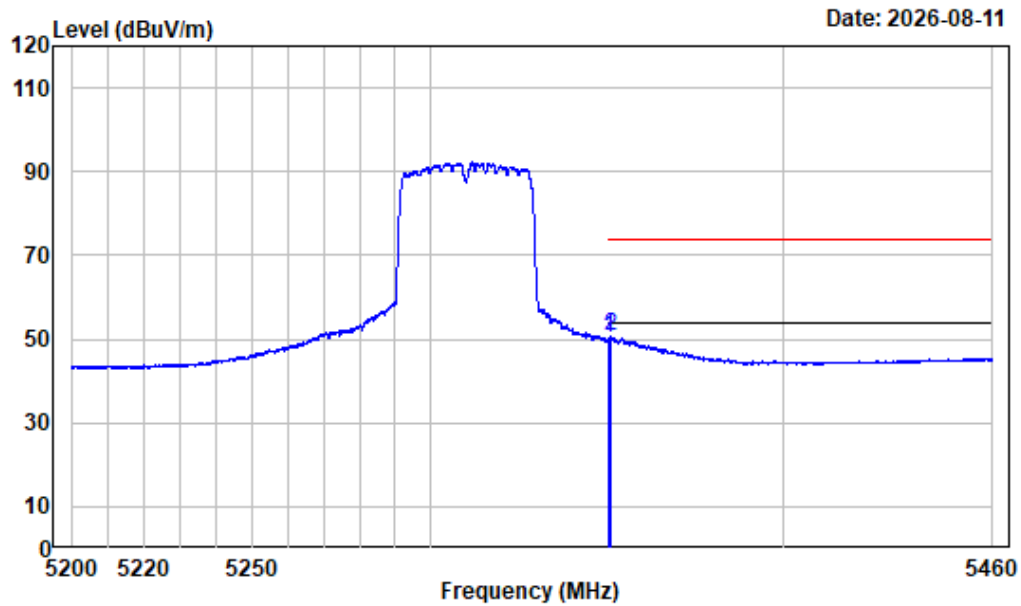
## Right Band edge\_Horizontal\_Peak\_802.11n-ht40\_5310MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5310

| Freq Factor |          | Read Level |        | Limit  | Over  | Remark     |
|-------------|----------|------------|--------|--------|-------|------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m | dB    |            |
| 1           | 5350.000 | -7.66      | 75.09  | 67.43  | 74.00 | -6.57 Peak |
| 2           | 5350.572 | -7.66      | 78.07  | 70.41  | 74.00 | -3.59 Peak |

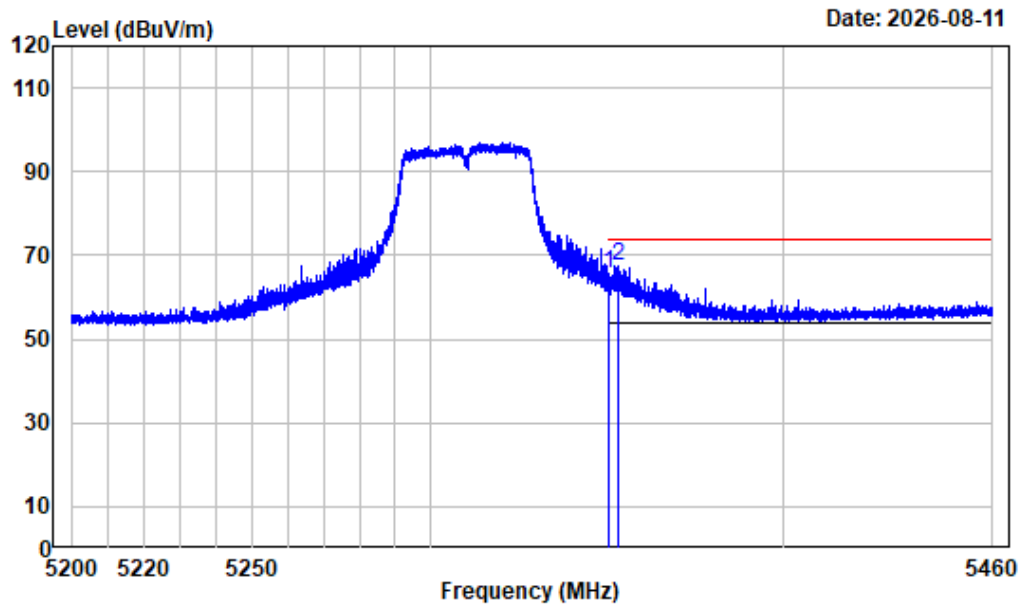
## Right Band edge\_Horizontal\_Average\_802.11n-ht40\_5310MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5310

| Freq Factor |          | Read Level |        | Limit Line | Over Limit | Remark        |
|-------------|----------|------------|--------|------------|------------|---------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m     | dB         |               |
| 1           | 5350.000 | -7.66      | 57.70  | 50.04      | 54.00      | -3.96 Average |
| 2           | 5350.800 | -7.66      | 58.16  | 50.50      | 54.00      | -3.50 Average |

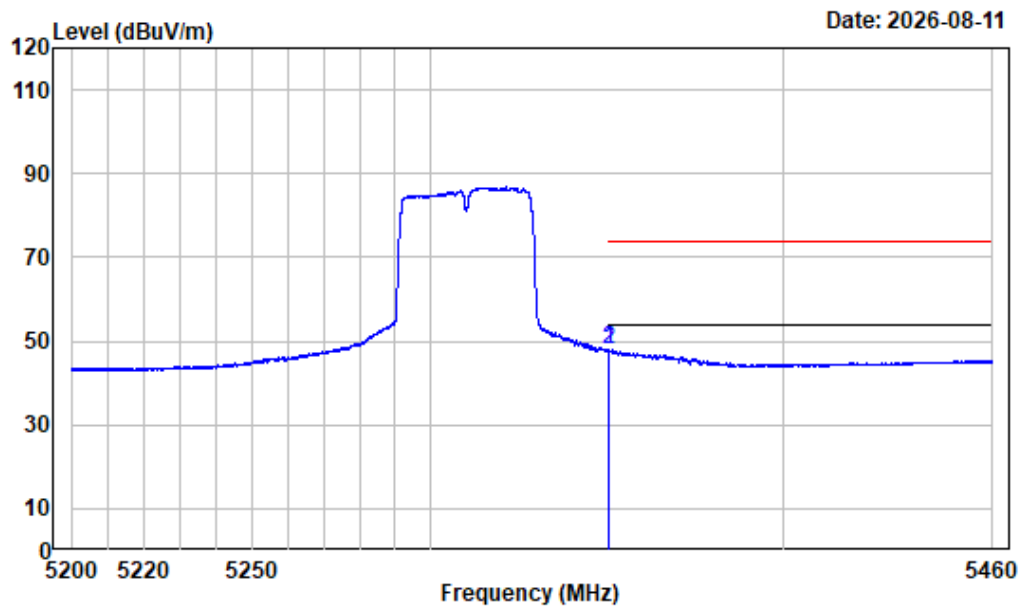
## Right Band edge\_Vertical\_Peak\_802.11n-ht40\_5310MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5310

| Freq Factor |          | Read Level |        | Limit  | Over  | Remark     |
|-------------|----------|------------|--------|--------|-------|------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m | dB    |            |
| 1           | 5350.000 | -7.66      | 73.30  | 65.64  | 74.00 | -8.36 Peak |
| 2           | 5352.880 | -7.65      | 75.27  | 67.62  | 74.00 | -6.38 Peak |

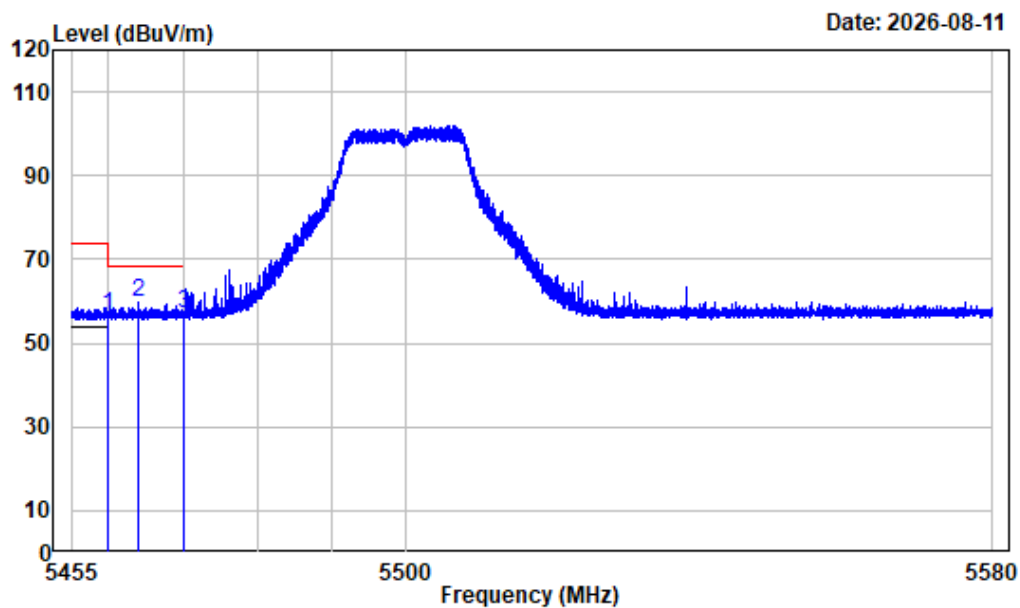
## Right Band edge\_Vertical\_Average\_802.11n-ht40\_5310MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND2\_N40\_5310

| Freq Factor |          | Read Level |       | Limit  | Over   | Remark        |
|-------------|----------|------------|-------|--------|--------|---------------|
|             |          |            |       | Line   | Limit  |               |
|             | MHz      | dB/m       | dBuV  | dBuV/m | dBuV/m |               |
| 1           | 5350.000 | -7.66      | 55.61 | 47.95  | 54.00  | -6.05 Average |
| 2           | 5350.118 | -7.66      | 55.56 | 47.90  | 54.00  | -6.10 Average |

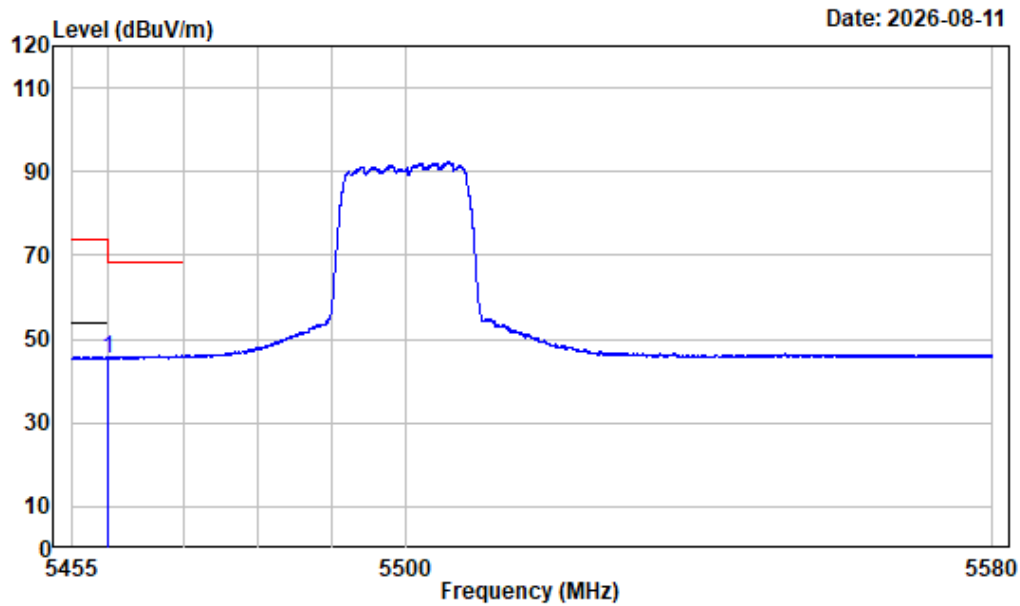
## Left Band edge\_Horizontal\_Peak\_802.11a\_5500MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_A\_5500

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 5460.000  | -6.84 | 63.57 | 56.73  | 74.00  | -17.27 Peak |
| 2 5464.031  | -6.84 | 66.64 | 59.80  | 68.20  | -8.40 Peak  |
| 3 5470.000  | -6.83 | 63.76 | 56.93  | 68.20  | -11.27 Peak |

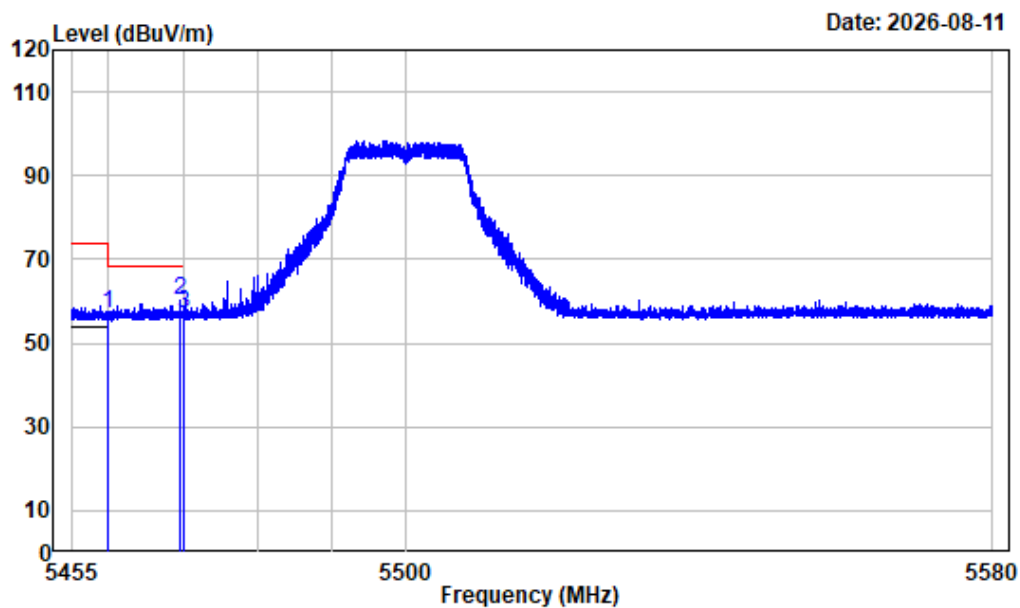
## Left Band edge\_Horizontal\_Average\_802.11a\_5500MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND3\_A\_5500

| Freq Factor |          | Read Level |        | Limit  | Over  | Remark        |
|-------------|----------|------------|--------|--------|-------|---------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m | dB    |               |
| 1           | 5460.000 | -6.84      | 52.24  | 45.40  | 54.00 | -8.60 Average |

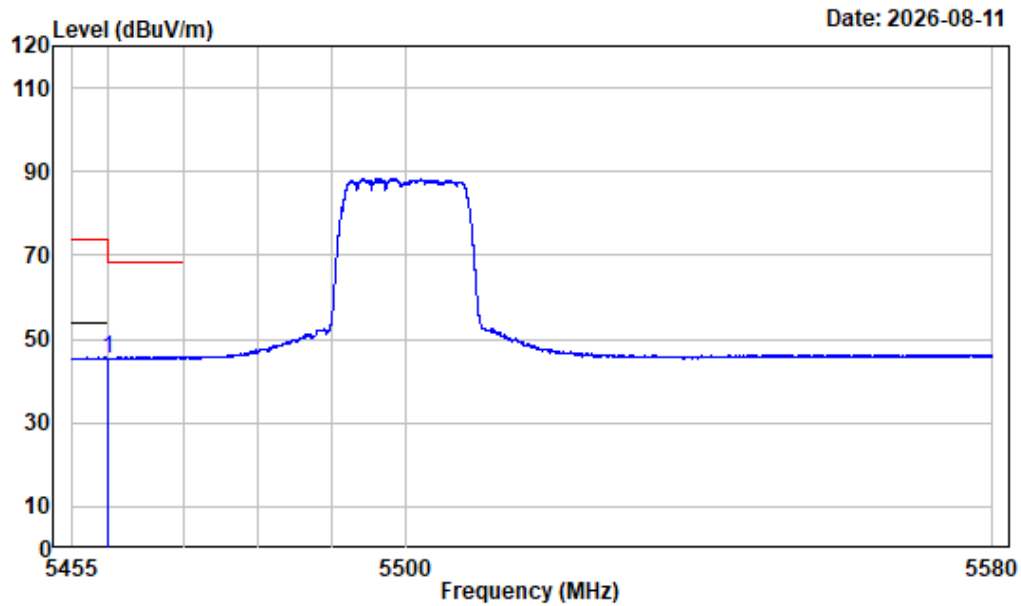
## Left Band edge\_Vertical\_Peak\_802.11a\_5500MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_A\_5500

|   | Freq     | Factor | Read Level | Level  | Limit Line | Over Limit | Remark |
|---|----------|--------|------------|--------|------------|------------|--------|
|   | MHz      | dB/m   | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1 | 5460.000 | -6.84  | 63.94      | 57.10  | 74.00      | -16.90     | Peak   |
| 2 | 5469.625 | -6.83  | 67.27      | 60.44  | 68.20      | -7.76      | Peak   |
| 3 | 5470.000 | -6.83  | 63.79      | 56.96  | 68.20      | -11.24     | Peak   |

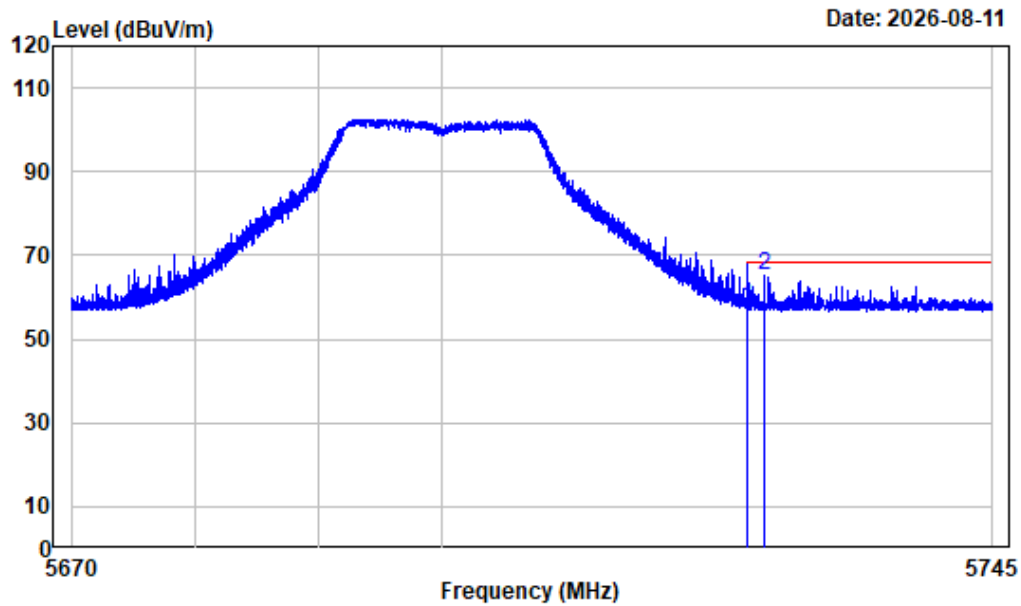
## Left Band edge\_Vertical\_Average\_802.11a\_5500MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:1kHz Detector:Peak  
Note : 5gwifi\_BAND3\_A\_5500

| Freq Factor |          | Read Level |        | Limit  | Over  | Remark        |
|-------------|----------|------------|--------|--------|-------|---------------|
| MHz         | dB/m     | dBuV       | dBUV/m | dBuV/m | dB    |               |
| 1           | 5460.000 | -6.84      | 52.04  | 45.20  | 54.00 | -8.80 Average |

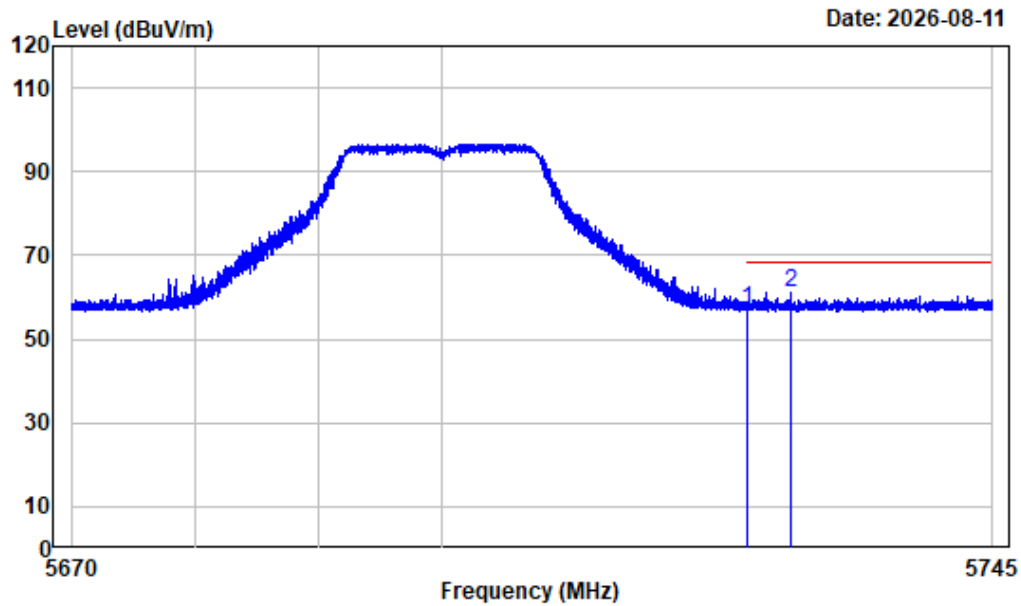
## Right Band edge\_Horizontal\_802.11a\_5700MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_A\_5700

| Freq Factor |       | Read Level |        | Limit  | Over   | Remark |
|-------------|-------|------------|--------|--------|--------|--------|
|             |       |            |        | Line   | Limit  |        |
| MHz         | dB/m  | dBuV       | dBuV/m | dBuV/m | dB     |        |
| 1 5725.000  | -5.67 | 63.35      | 57.68  | 68.20  | -10.52 | Peak   |
| 2 5726.372  | -5.66 | 70.96      | 65.30  | 68.20  | -2.90  | Peak   |

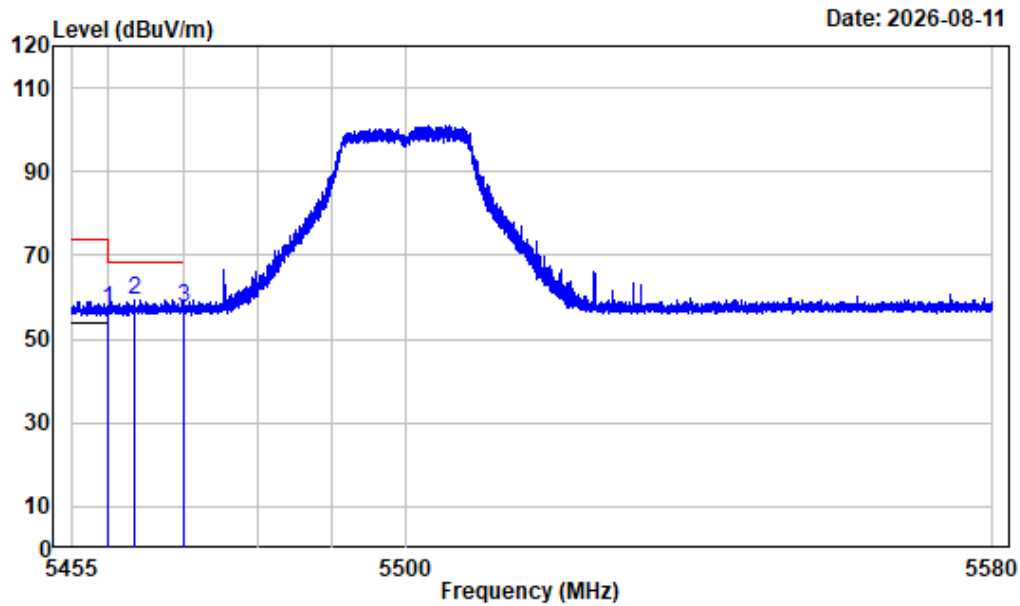
## Right Band edge\_Vertical\_802.11a\_5700MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_A\_5700

| Freq Factor |          | Read  |       | Limit  | Over   | Remark      |
|-------------|----------|-------|-------|--------|--------|-------------|
|             |          | Level | Level | Line   | Limit  |             |
|             | MHz      | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1           | 5725.000 | -5.67 | 62.73 | 57.06  | 68.20  | -11.14 Peak |
| 2           | 5728.462 | -5.66 | 66.82 | 61.16  | 68.20  | -7.04 Peak  |

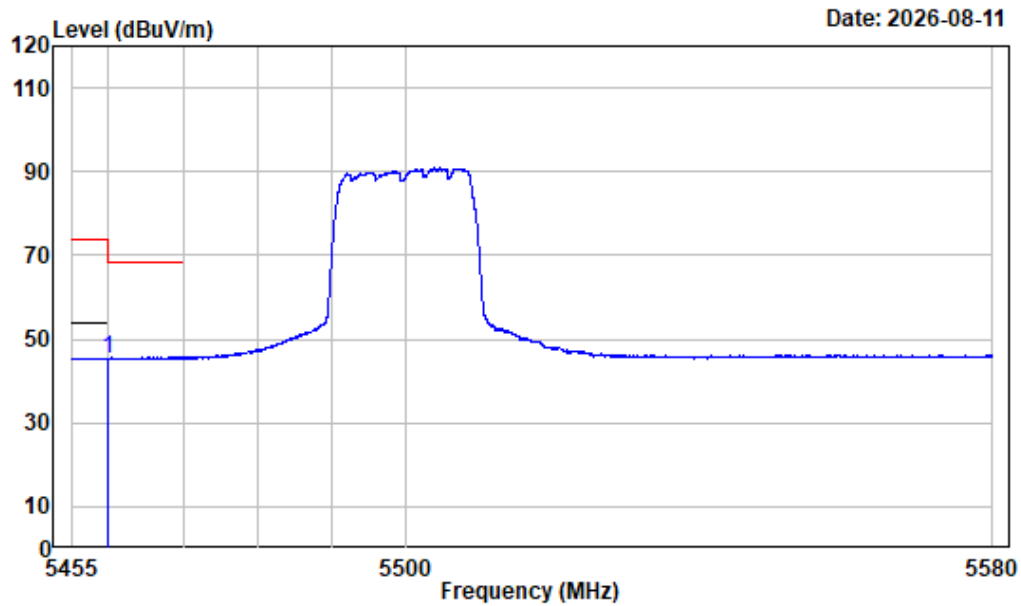
## Left Band edge\_Horizontal\_Peak\_802.11n-ht20\_5500MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N20\_5500

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 5460.000  | -6.84 | 63.84 | 57.00  | 74.00  | -17.00 Peak |
| 2 5463.438  | -6.84 | 66.29 | 59.45  | 68.20  | -8.75 Peak  |
| 3 5470.000  | -6.83 | 64.50 | 57.67  | 68.20  | -10.53 Peak |

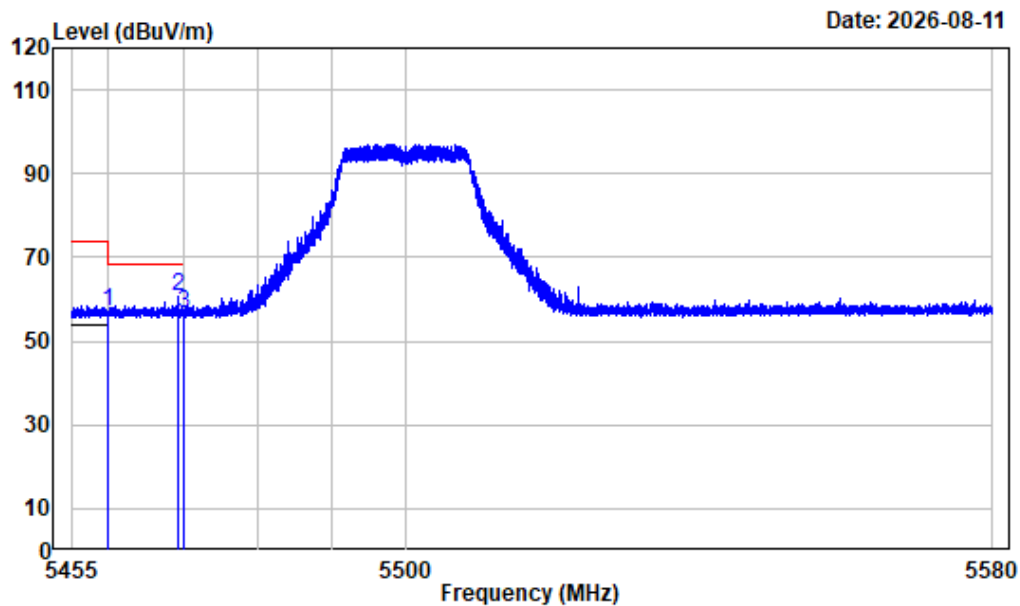
## Left Band edge\_Horizontal\_Average\_802.11n-ht20\_5500MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND3\_N20\_5500

| Freq Factor |       | Read  | Limit  | Over   | Remark        |
|-------------|-------|-------|--------|--------|---------------|
|             |       | Level | Level  | Line   |               |
|             |       | dBuV  | dBuV/m | dBuV/m |               |
| MHz         | dB/m  |       |        |        | dB            |
| 1 5460.000  | -6.84 | 52.16 | 45.32  | 54.00  | -8.68 Average |

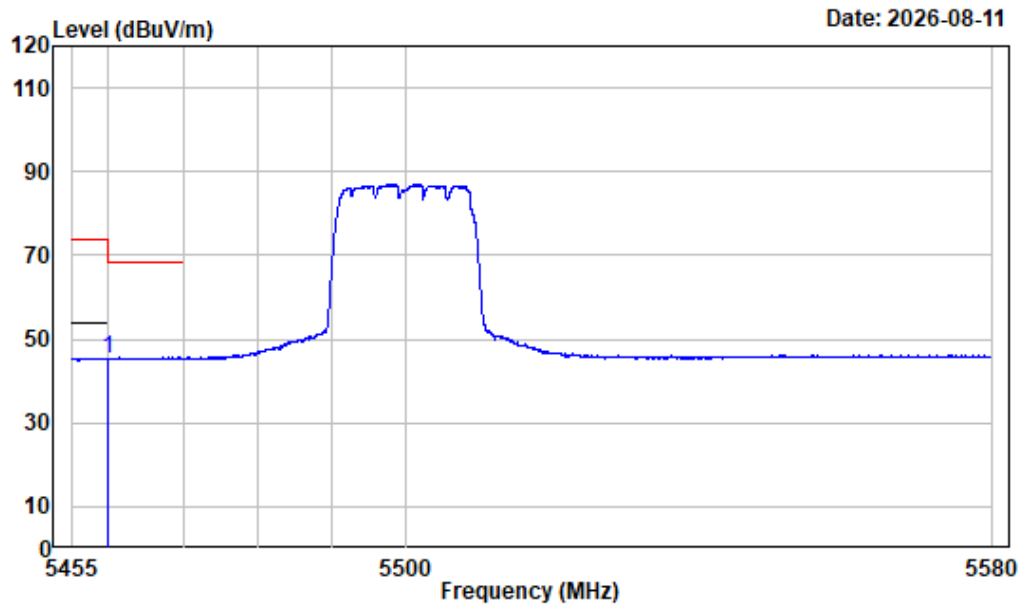
## Left Band edge\_Vertical\_Peak\_802.11n-ht20\_5500MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N20\_5500

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 5460.000  | -6.84 | 64.06 | 57.22  | 74.00  | -16.78 Peak |
| 2 5469.297  | -6.83 | 67.32 | 60.49  | 68.20  | -7.71 Peak  |
| 3 5470.000  | -6.83 | 63.30 | 56.47  | 68.20  | -11.73 Peak |

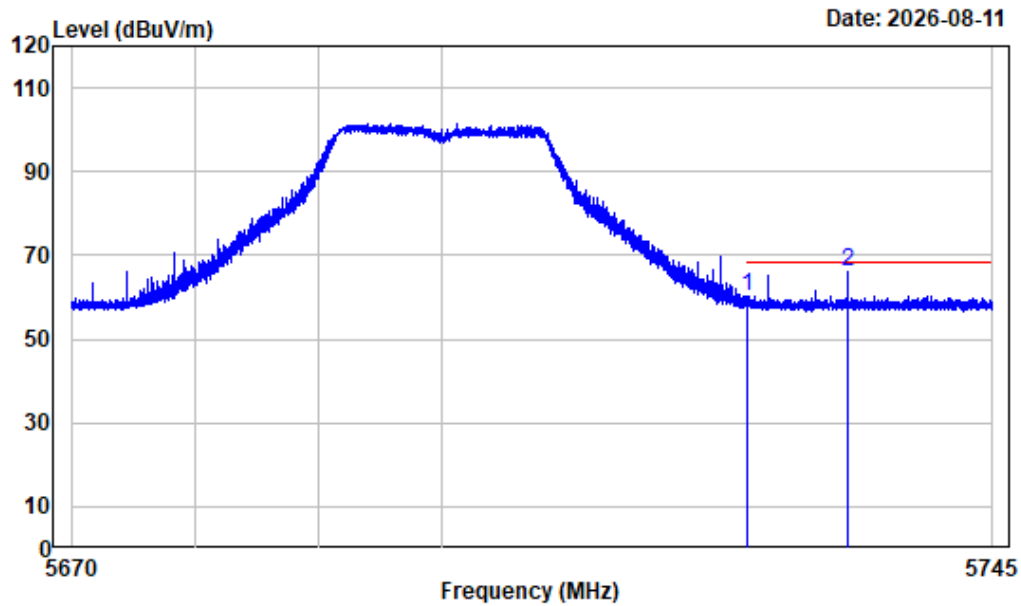
## Left Band edge\_Vertical\_Average\_802.11n-ht20\_5500MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
Note : 5gwifi\_BAND3\_N20\_5500

| Freq Factor |       | Read  | Limit  | Over   | Remark        |
|-------------|-------|-------|--------|--------|---------------|
|             |       | Level | Level  | Line   |               |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 5460.000  | -6.84 | 52.05 | 45.21  | 54.00  | -8.79 Average |

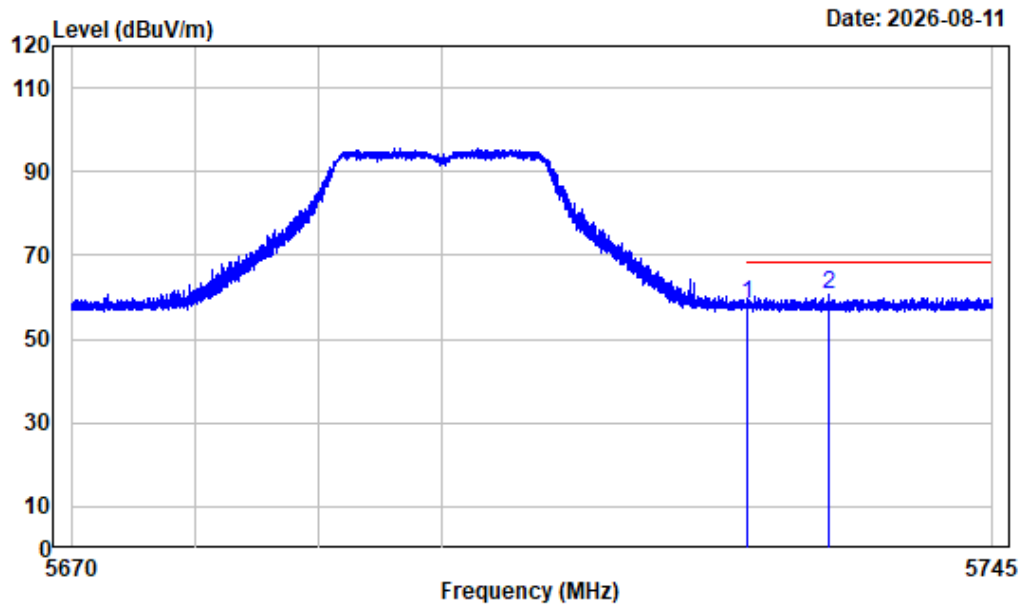
## Right Band edge\_Horizontal\_Peak\_802.11n-ht20\_5700MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N20\_5700

|   | Freq     | Factor | Read  |        | Limit  | Over  | Remark |
|---|----------|--------|-------|--------|--------|-------|--------|
|   |          |        | Level | Level  | Line   | Limit |        |
|   | MHz      | dB/m   | dBuV  | dBuV/m | dBuV/m | dB    |        |
| 1 | 5725.000 | -5.67  | 65.72 | 60.05  | 68.20  | -8.15 | Peak   |
| 2 | 5733.141 | -5.66  | 72.00 | 66.34  | 68.20  | -1.86 | Peak   |

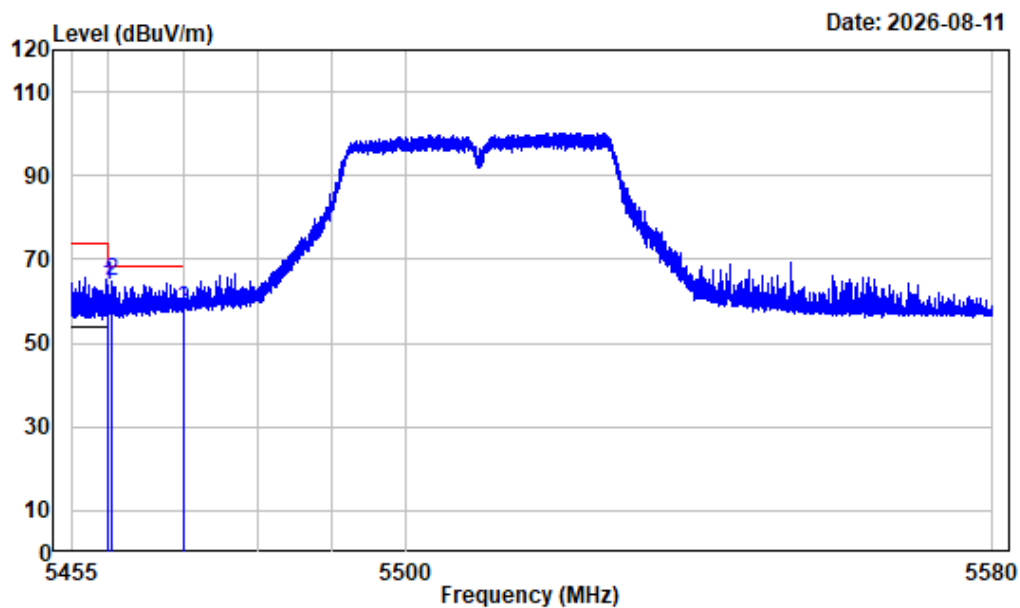
## Right Band edge\_Vertical\_Peak\_802.11n-ht20\_5700MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N20\_5700

|   | Freq Factor |       | Read  |        | Limit  | Over  | Remark |
|---|-------------|-------|-------|--------|--------|-------|--------|
|   | MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB    |        |
| 1 | 5725.000    | -5.67 | 63.97 | 58.30  | 68.20  | -9.90 | Peak   |
| 2 | 5731.603    | -5.66 | 66.20 | 60.54  | 68.20  | -7.66 | Peak   |

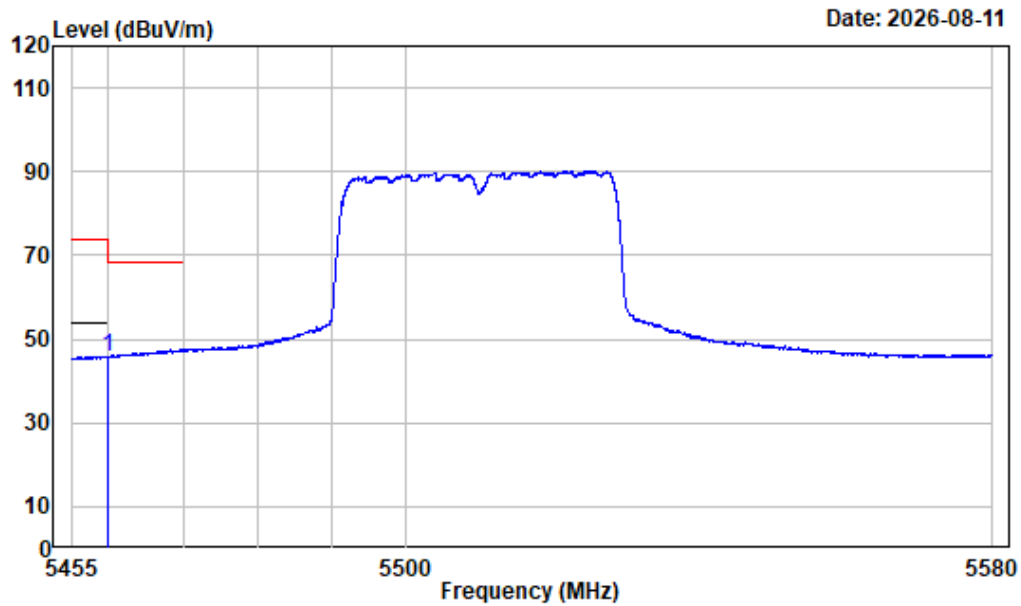
## Left Band edge\_Horizontal\_Peak\_802.11n-ht40\_5510MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N40\_5510

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 5460.000  | -6.84 | 70.61 | 63.77  | 74.00  | -10.23 Peak |
| 2 5460.531  | -6.84 | 71.65 | 64.81  | 68.20  | -3.39 Peak  |
| 3 5470.000  | -6.83 | 64.72 | 57.89  | 68.20  | -10.31 Peak |

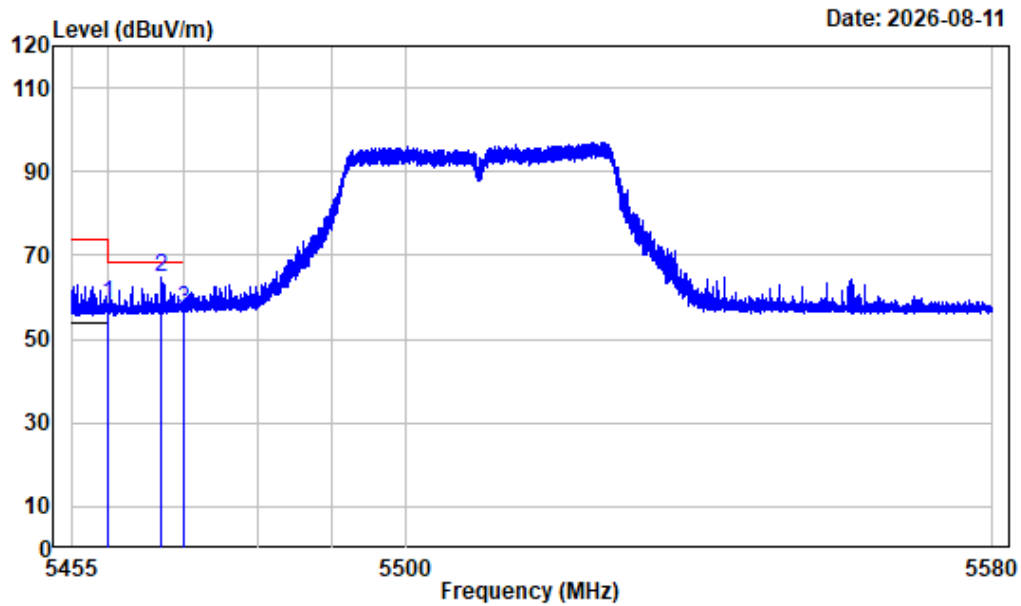
Left Band edge\_Horizontal\_Average\_802.11n-ht40\_5510MHz



Condition : Horizontal  
 Project No. : 2601V21493E-RF  
 Tester : Hugh Li  
 Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
 Note : 5gwifi\_BAND3\_N40\_5510

|   | Freq     | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark  |
|---|----------|--------|---------------|--------|---------------|---------------|---------|
|   | MHz      | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |         |
| 1 | 5460.000 | -6.84  | 52.61         | 45.77  | 54.00         | -8.23         | Average |

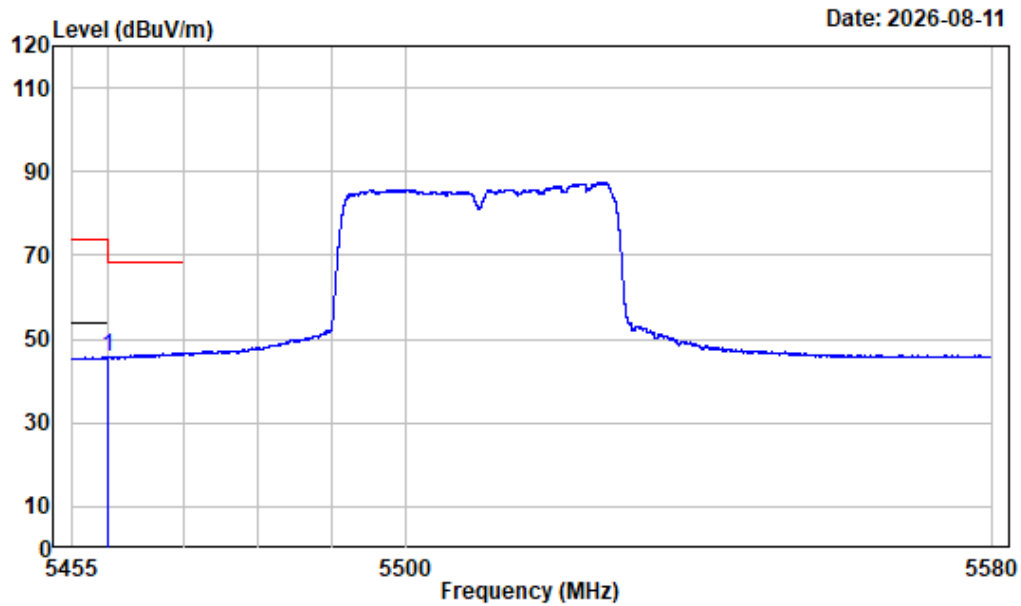
## Left Band edge\_Vertical\_Peak\_802.11n-ht40\_5510MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N40\_5510

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 5460.000  | -6.84 | 65.14 | 58.30  | 74.00  | -15.70 Peak |
| 2 5466.984  | -6.83 | 71.44 | 64.61  | 68.20  | -3.59 Peak  |
| 3 5470.000  | -6.83 | 63.91 | 57.08  | 68.20  | -11.12 Peak |

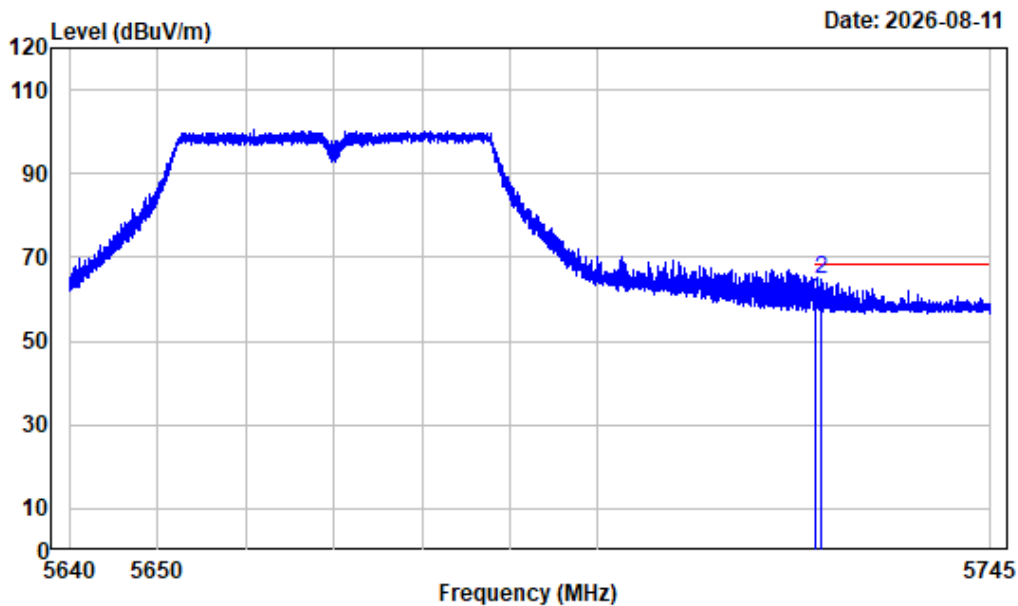
Left Band edge\_Vertical\_Average\_802.11n-ht40\_5510MHz



Condition : Vertical  
 Project No. : 2601V21493E-RF  
 Tester : Hugh Li  
 Spectrum setting: Average reading: RBW:1MHz VBW:500Hz Detector:Peak  
 Note : 5gwifi\_BAND3\_N40\_5510

| Freq Factor |       | Read  | Limit  | Over   | Remark        |
|-------------|-------|-------|--------|--------|---------------|
|             |       | Level | Level  | Limit  |               |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 5460.000  | -6.84 | 52.49 | 45.65  | 54.00  | -8.35 Average |

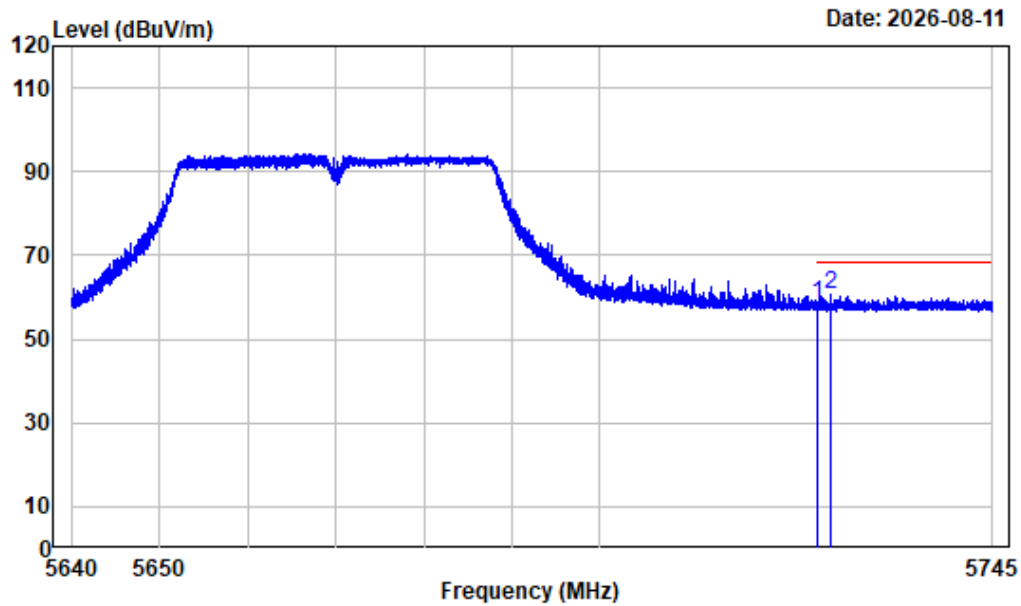
Right Band edge\_Horizontal\_Peak\_802.11n-ht40\_5670MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N40\_5670

| Freq Factor |          | Read Level |        | Limit  | Over  | Remark     |
|-------------|----------|------------|--------|--------|-------|------------|
| MHz         | dB/m     | dBuV       | dBuV/m | dBuV/m | dB    |            |
| 1           | 5725.000 | -5.67      | 65.53  | 59.86  | 68.20 | -8.34 Peak |
| 2           | 5725.457 | -5.67      | 70.65  | 64.98  | 68.20 | -3.22 Peak |

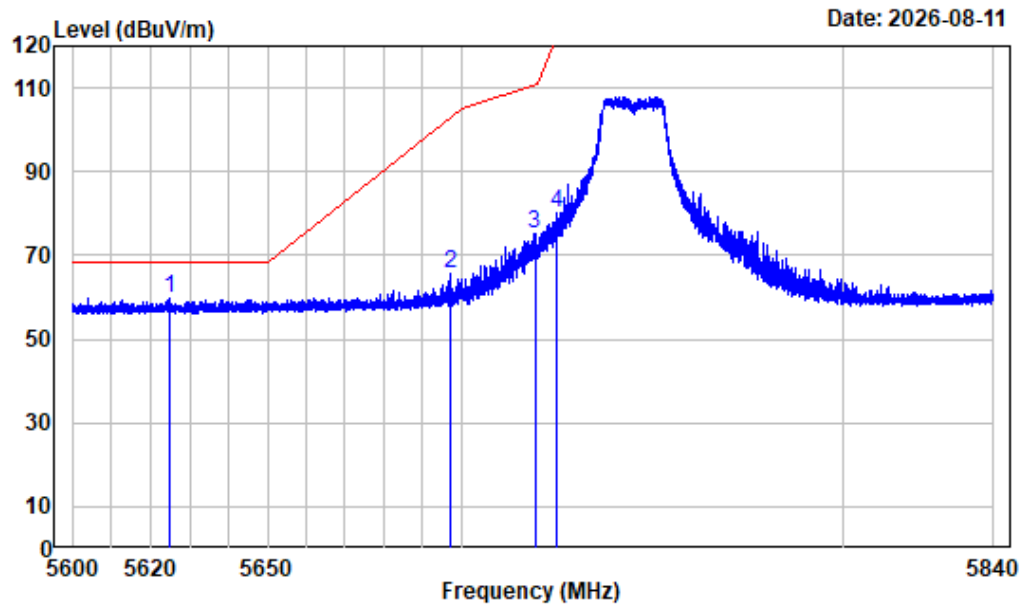
## Right Band edge\_Vertical\_Peak\_802.11n-ht40\_5670MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND3\_N40\_5670

|   | Freq Factor |       | Read  |        | Limit  | Over  | Remark |
|---|-------------|-------|-------|--------|--------|-------|--------|
|   |             |       | Level | Level  | Line   | Limit |        |
|   | MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB    |        |
| 1 | 5725.000    | -5.67 | 63.98 | 58.31  | 68.20  | -9.89 | Peak   |
| 2 | 5726.415    | -5.66 | 66.34 | 60.68  | 68.20  | -7.52 | Peak   |

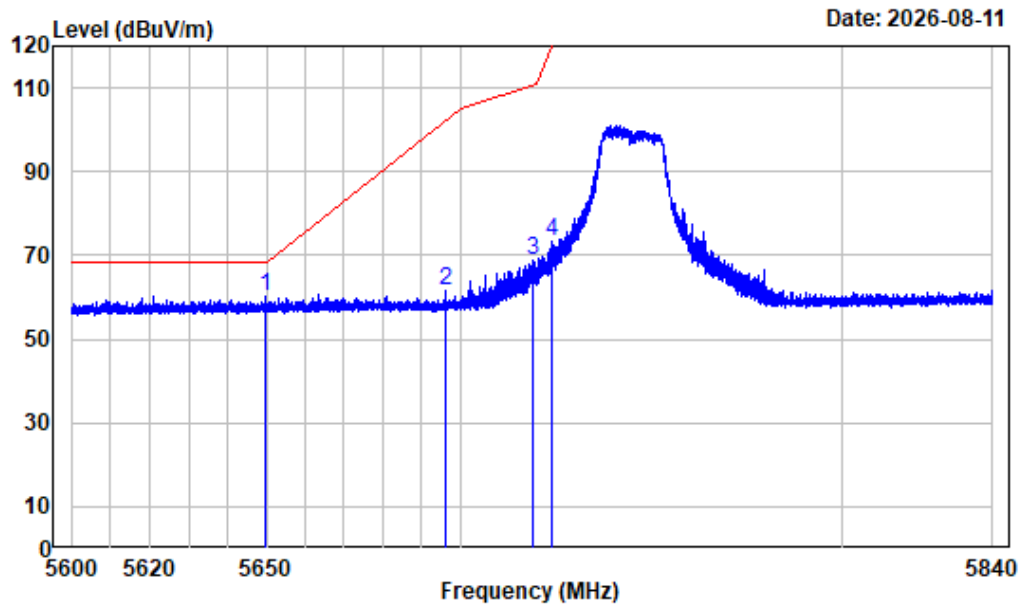
## Left Band edge\_Horizontal\_802.11a\_5745MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_A\_5745

|   | Freq     | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|----------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz      | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 5625.110 | -5.95  | 65.78         | 59.83  | 68.20         | -8.37         | Peak   |
| 2 | 5697.410 | -5.72  | 71.55         | 65.83  | 103.29        | -37.46        | Peak   |
| 3 | 5719.250 | -5.68  | 80.94         | 75.26  | 110.59        | -35.33        | Peak   |
| 4 | 5724.770 | -5.68  | 85.83         | 80.15  | 121.68        | -41.53        | Peak   |

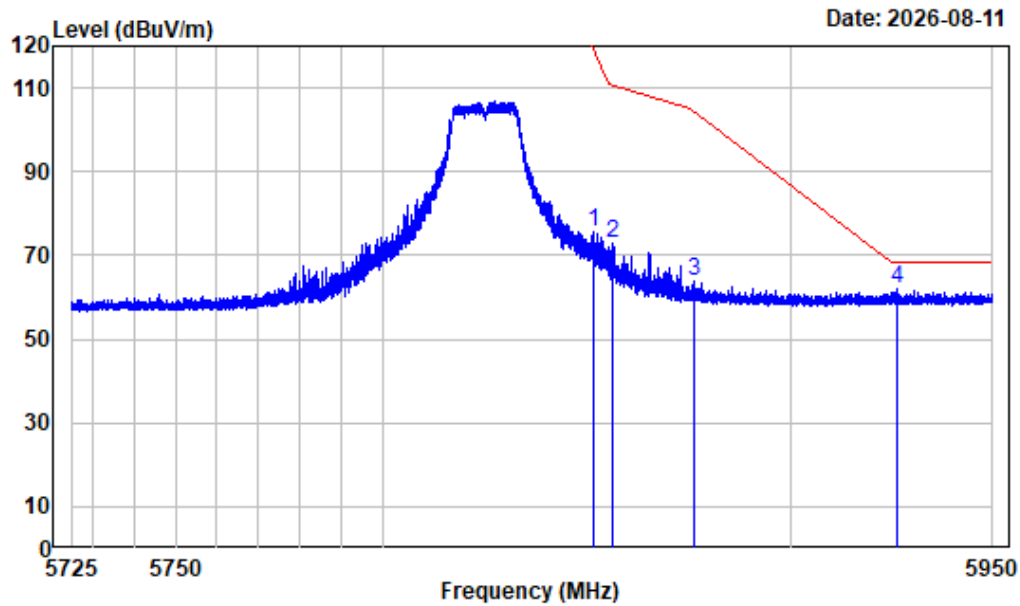
## Left Band edge\_Vertical\_802.11a\_5745MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_A\_5745

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 5649.770  | -5.64 | 65.78 | 60.14  | 68.20  | -8.06 Peak  |
| 2 5696.510  | -5.71 | 67.23 | 61.52  | 102.63 | -41.11 Peak |
| 3 5719.100  | -5.68 | 74.67 | 68.99  | 110.55 | -41.56 Peak |
| 4 5723.720  | -5.68 | 78.93 | 73.25  | 119.28 | -46.03 Peak |

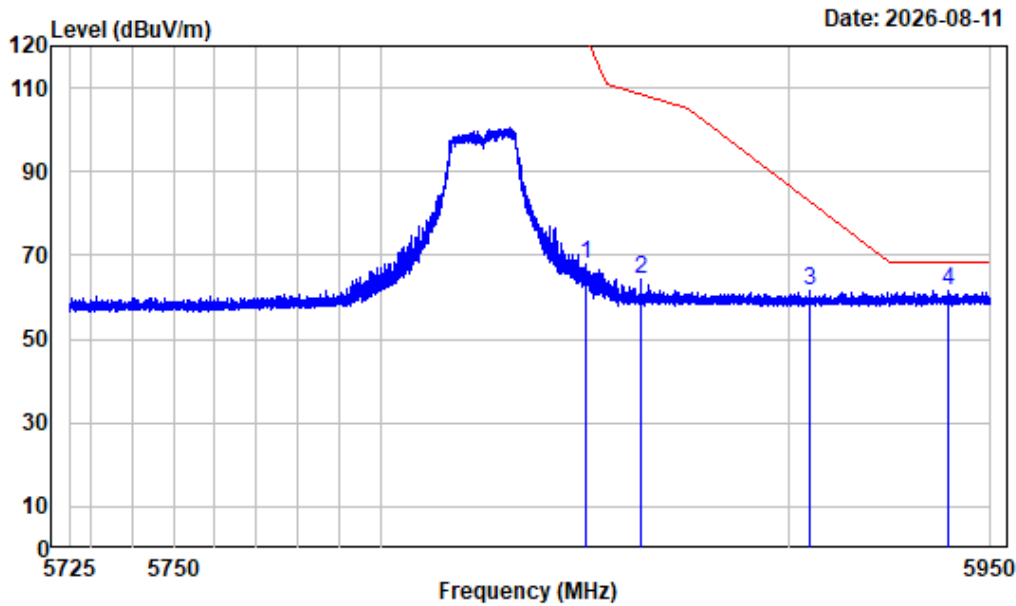
## Right Band edge\_Horizontal\_802.11a\_5825MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_A\_5825

|   | Freq     | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|----------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz      | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 5851.366 | -4.54  | 80.15         | 75.61  | 119.09        | -43.48        | Peak   |
| 2 | 5856.063 | -4.55  | 77.64         | 73.09  | 110.50        | -37.41        | Peak   |
| 3 | 5876.313 | -4.59  | 68.25         | 63.66  | 104.22        | -40.56        | Peak   |
| 4 | 5926.347 | -4.56  | 66.60         | 62.04  | 68.20         | -6.16         | Peak   |

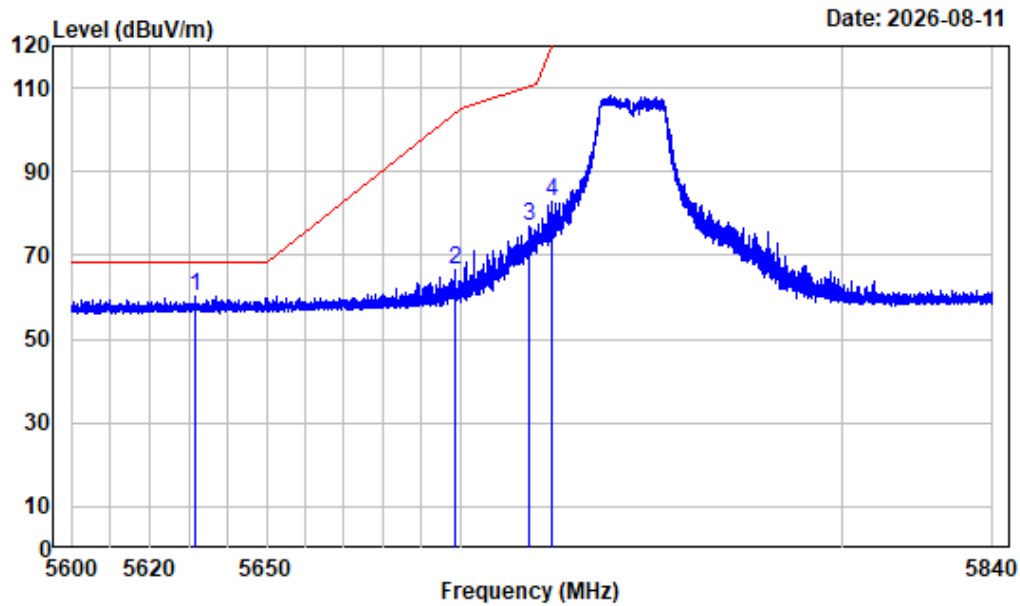
Right Band edge\_Vertical\_802.11a\_5825MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_A\_5825

| Freq Factor |       | Read  | Limit  | Over   | Remark      |
|-------------|-------|-------|--------|--------|-------------|
|             |       | Level | Level  | Line   |             |
| MHz         | dB/m  | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 5850.016  | -4.54 | 72.32 | 67.78  | 122.16 | -54.38 Peak |
| 2 5863.685  | -4.56 | 69.08 | 64.52  | 108.37 | -43.85 Peak |
| 3 5904.972  | -4.61 | 66.16 | 61.55  | 82.98  | -21.43 Peak |
| 4 5939.678  | -4.53 | 65.94 | 61.41  | 68.20  | -6.79 Peak  |

## Left Band edge\_Horizontal\_802.11n-ht20\_5745MHz



Condition : Horizontal

Project No. : 2601V21493E-RF

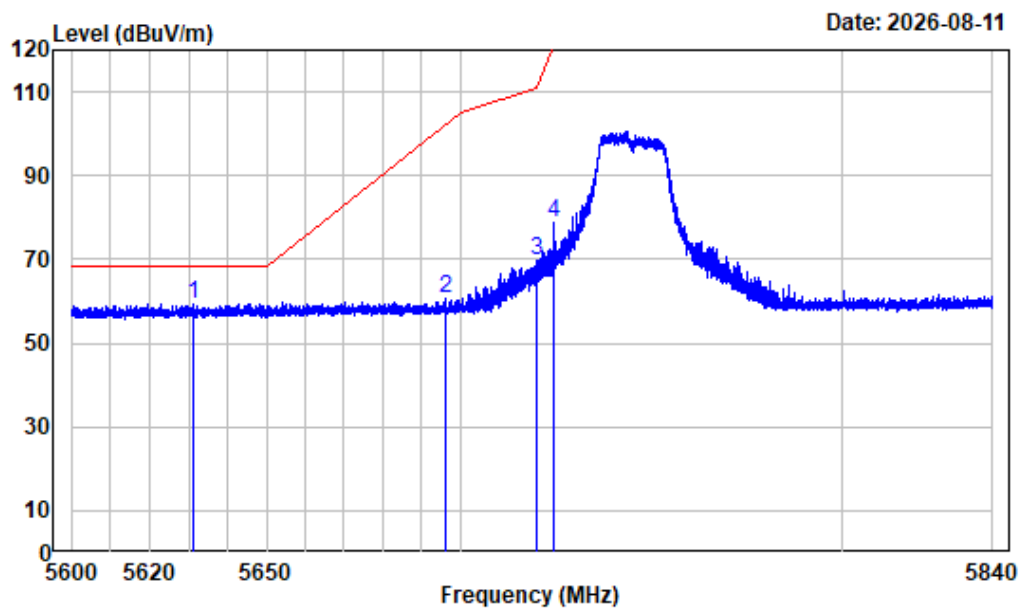
Tester : Hugh Li

Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

Note : 5gwifi\_BAND4\_N20\_5745

|   | Freq     | Factor | Read Level | Level  | Limit Line | Over Limit | Remark |
|---|----------|--------|------------|--------|------------|------------|--------|
|   | MHz      | dB/m   | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1 | 5631.710 | -5.87  | 65.94      | 60.07  | 68.20      | -8.13      | Peak   |
| 2 | 5698.700 | -5.71  | 72.17      | 66.46  | 104.24     | -37.78     | Peak   |
| 3 | 5718.110 | -5.69  | 82.70      | 77.01  | 110.27     | -33.26     | Peak   |
| 4 | 5723.930 | -5.68  | 88.48      | 82.80  | 119.76     | -36.96     | Peak   |

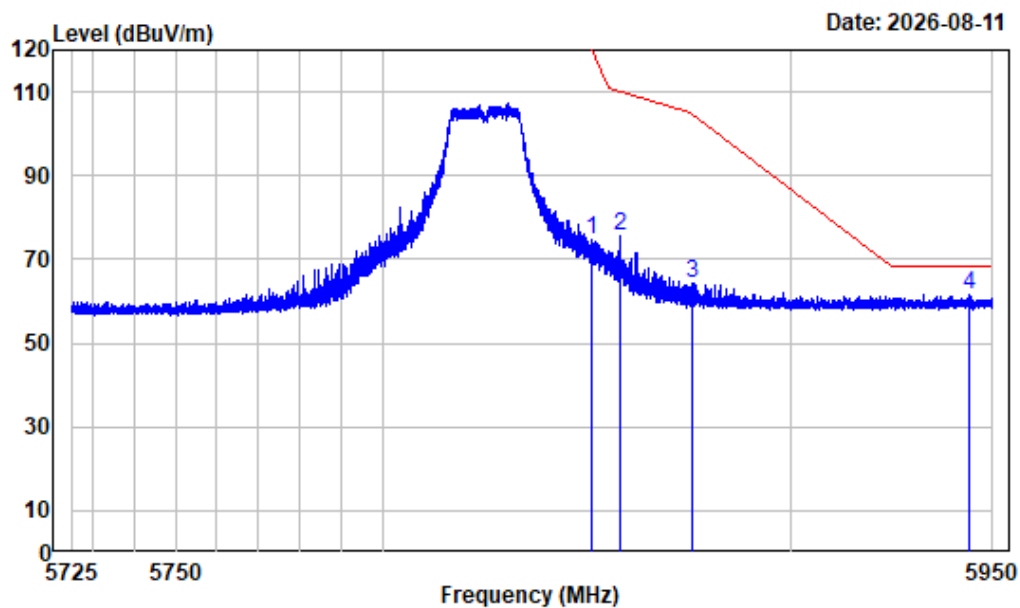
## Left Band edge\_Vertical\_802.11n-ht20\_5745MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_N20\_5745

|   | Freq     | Factor | Read Level | Level  | Limit Line | Over Limit | Remark |
|---|----------|--------|------------|--------|------------|------------|--------|
|   | MHz      | dB/m   | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1 | 5631.080 | -5.87  | 65.41      | 59.54  | 68.20      | -8.66      | Peak   |
| 2 | 5696.210 | -5.71  | 66.26      | 60.55  | 102.41     | -41.86     | Peak   |
| 3 | 5719.880 | -5.68  | 75.35      | 69.67  | 110.77     | -41.10     | Peak   |
| 4 | 5724.650 | -5.68  | 84.68      | 79.00  | 121.40     | -42.40     | Peak   |

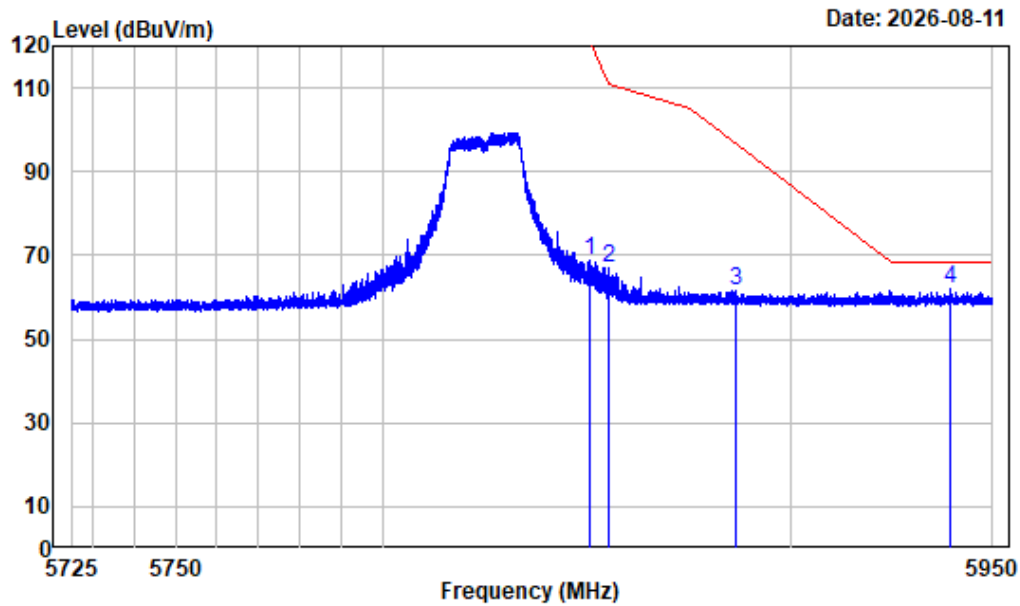
## Right Band edge\_Horizontal\_802.11n-ht20\_5825MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_N20\_5825

|   | Freq     | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|----------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz      | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 5851.112 | -4.54  | 79.15         | 74.61  | 119.66        | -45.05        | Peak   |
| 2 | 5858.087 | -4.55  | 79.96         | 75.41  | 109.93        | -34.52        | Peak   |
| 3 | 5875.638 | -4.59  | 68.78         | 64.19  | 104.73        | -40.54        | Peak   |
| 4 | 5944.291 | -4.52  | 66.06         | 61.54  | 68.20         | -6.66         | Peak   |

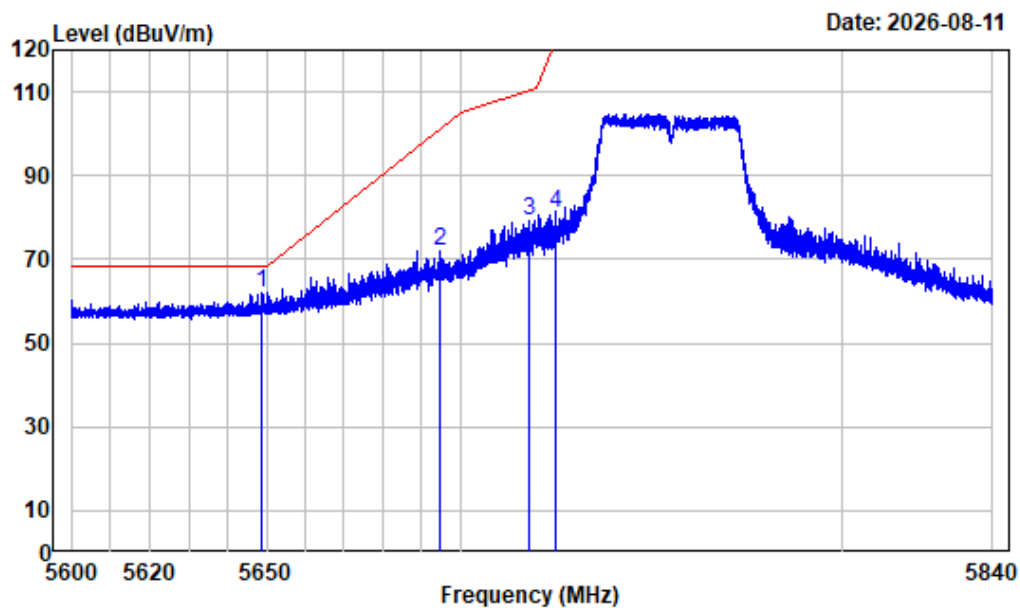
## Right Band edge\_Vertical\_802.11n-ht20\_5825MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_N20\_5825

|   |          |        | Read  |        | Limit  | Over   |        |
|---|----------|--------|-------|--------|--------|--------|--------|
|   | Freq     | Factor | Level | Level  | Line   | Limit  | Remark |
|   | MHz      | dB/m   | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 5850.578 | -4.54  | 73.34 | 68.80  | 120.88 | -52.08 | Peak   |
| 2 | 5855.134 | -4.55  | 71.78 | 67.23  | 110.76 | -43.53 | Peak   |
| 3 | 5886.409 | -4.60  | 66.26 | 61.66  | 96.73  | -35.07 | Peak   |
| 4 | 5939.538 | -4.53  | 66.46 | 61.93  | 68.20  | -6.27  | Peak   |

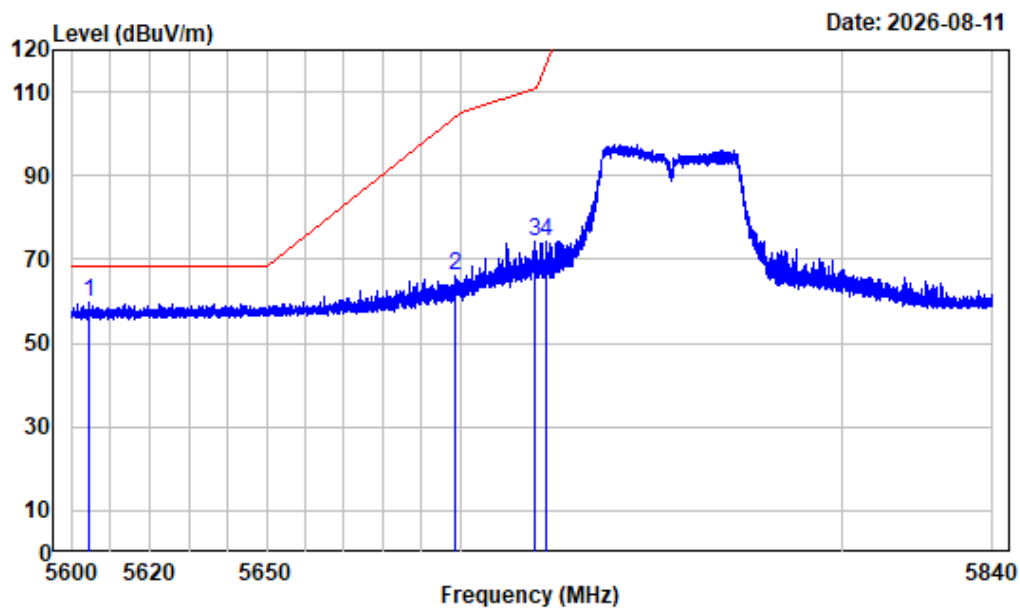
## Left Band edge\_Horizontal\_802.11n-ht40\_5755MHz



Condition : Horizontal  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_N40\_5755

|   | Freq     | Factor | Read Level | Level  | Limit Line | Over Limit | Remark |
|---|----------|--------|------------|--------|------------|------------|--------|
|   | MHz      | dB/m   | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1 | 5648.990 | -5.66  | 67.75      | 62.09  | 68.20      | -6.11      | Peak   |
| 2 | 5694.920 | -5.71  | 77.60      | 71.89  | 101.46     | -29.57     | Peak   |
| 3 | 5717.780 | -5.69  | 84.83      | 79.14  | 110.18     | -31.04     | Peak   |
| 4 | 5724.890 | -5.68  | 86.61      | 80.93  | 121.95     | -41.02     | Peak   |

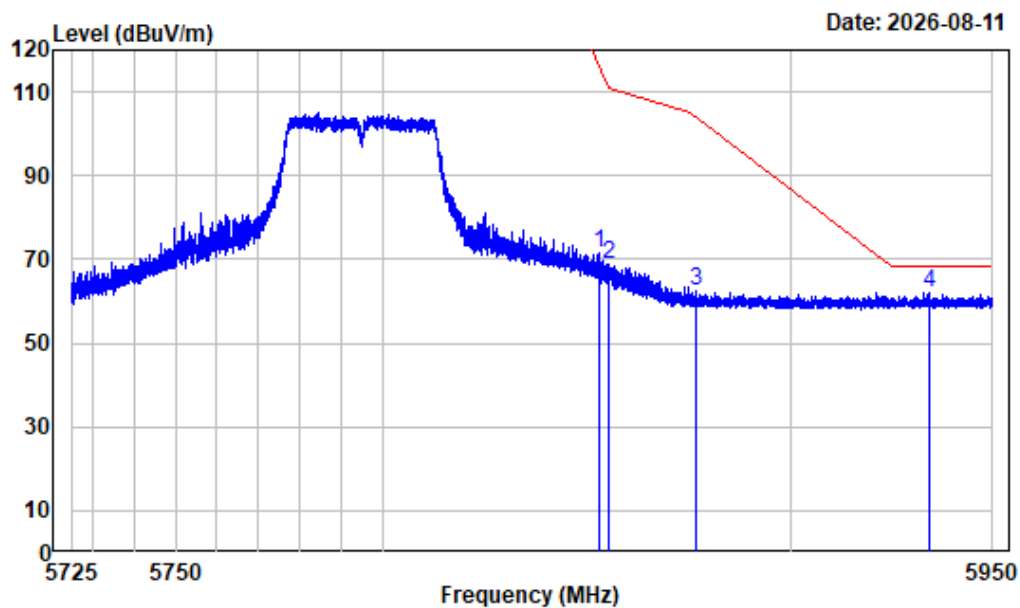
## Left Band edge\_Vertical\_802.11n-ht40\_5755MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_N40\_5755

|   | Freq     | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|----------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz      | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 5604.410 | -6.22  | 65.80         | 59.58  | 68.20         | -8.62         | Peak   |
| 2 | 5698.550 | -5.71  | 71.68         | 65.97  | 104.13        | -38.16        | Peak   |
| 3 | 5719.580 | -5.68  | 79.99         | 74.31  | 110.68        | -36.37        | Peak   |
| 4 | 5722.340 | -5.68  | 79.77         | 74.09  | 116.14        | -42.05        | Peak   |

## Right Band edge\_Horizontal\_802.11n-ht40\_5795MHz



Condition : Horizontal

Project No. : 2601V21493E-RF

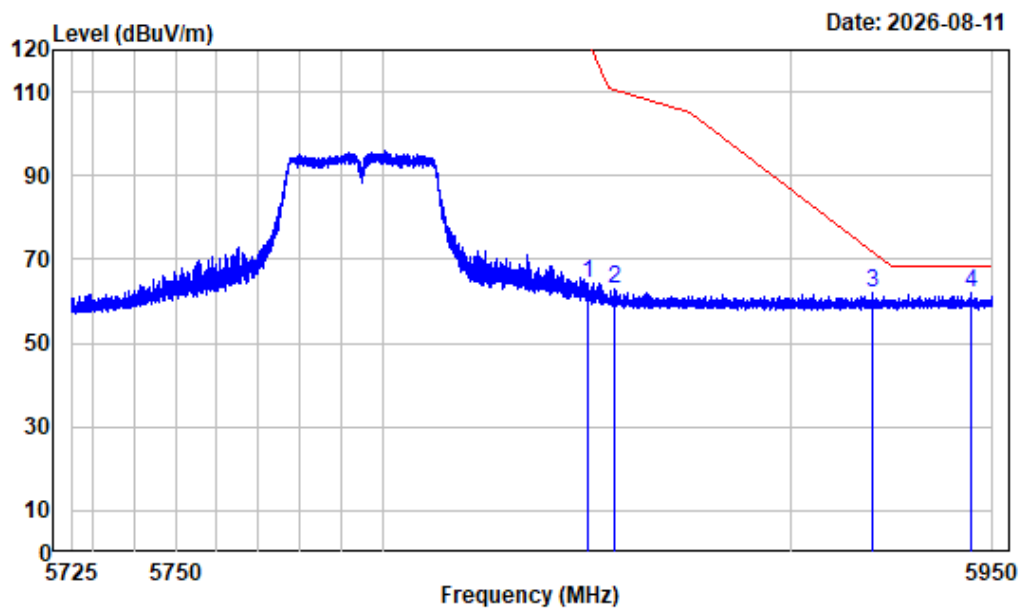
Tester : Hugh Li

Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

Note : 5gwifi\_BAND4\_N40\_5795

|   | Freq     | Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit | Remark |
|---|----------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz      | dB/m   | dBuV          | dBuV/m | dBuV/m        | dB            |        |
| 1 | 5852.940 | -4.55  | 75.87         | 71.32  | 115.49        | -44.17        | Peak   |
| 2 | 5855.022 | -4.55  | 73.24         | 68.69  | 110.79        | -42.10        | Peak   |
| 3 | 5876.734 | -4.59  | 67.16         | 62.57  | 103.91        | -41.34        | Peak   |
| 4 | 5934.391 | -4.54  | 66.58         | 62.04  | 68.20         | -6.16         | Peak   |

## Right Band edge\_Vertical\_802.11n-ht40\_5795MHz



Condition : Vertical  
Project No. : 2601V21493E-RF  
Tester : Hugh Li  
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak  
Note : 5gwifi\_BAND4\_N40\_5795

|   | Freq     | Factor | Read Level | Level  | Limit Line | Over Limit | Remark |
|---|----------|--------|------------|--------|------------|------------|--------|
|   | MHz      | dB/m   | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1 | 5850.156 | -4.54  | 69.06      | 64.52  | 121.84     | -57.32     | Peak   |
| 2 | 5856.653 | -4.55  | 67.34      | 62.79  | 110.34     | -47.55     | Peak   |
| 3 | 5920.131 | -4.58  | 66.53      | 61.95  | 71.79      | -9.84      | Peak   |
| 4 | 5944.825 | -4.52  | 66.42      | 61.90  | 68.20      | -6.30      | Peak   |

**RF Conducted data****Test Information:**

|             |                        |              |                       |
|-------------|------------------------|--------------|-----------------------|
| Sample No.: | 3QJM-2                 | Test Date:   | 2026/08/22~2026/09/10 |
| Test Site:  | RF                     | Test Mode:   | Transmitting          |
| Tester:     | Barry Feng&Jackson Zhu | Test Result: | Pass                  |

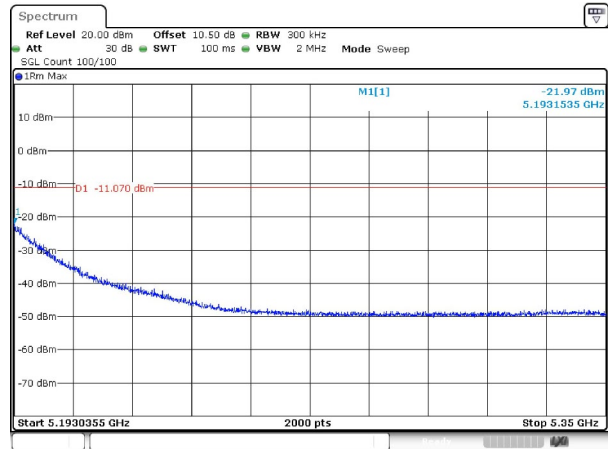
**Environmental Conditions:**

|                      |      |                              |    |                        |     |
|----------------------|------|------------------------------|----|------------------------|-----|
| Temperature:<br>(°C) | 24.5 | Relative<br>Humidity:<br>(%) | 65 | ATM Pressure:<br>(kPa) | 102 |
|----------------------|------|------------------------------|----|------------------------|-----|

26dB attenuated below the channel power

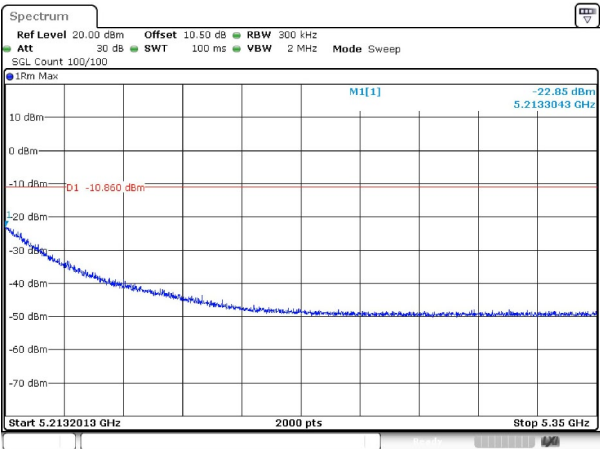
5150-5250MHz

802.11a\_5180MHz



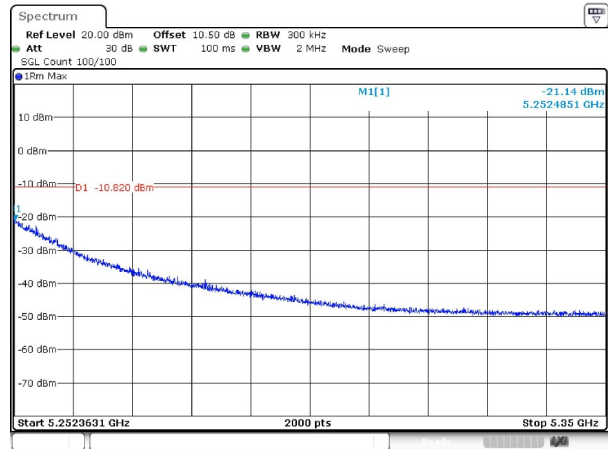
ProjectNo.:2601V21493E-RFB Tester:Bacry Peng  
Date: 26.JUL.2026 16:02:51

802.11a\_5200MHz



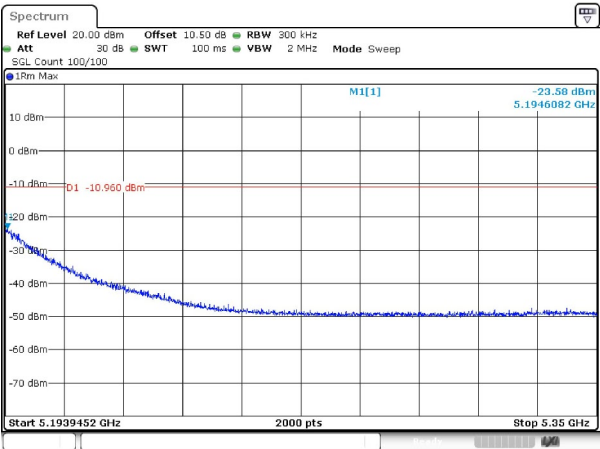
ProjectNo.:2601V21493E-RFB Tester:Bacry Peng  
Date: 26.JUL.2026 17:49:18

802.11a\_5240MHz



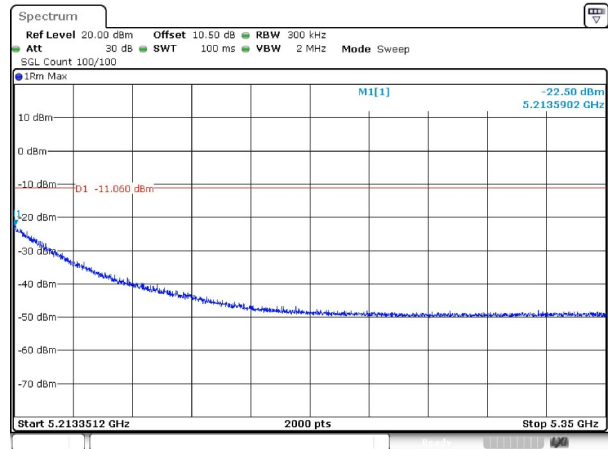
ProjectNo.:2601V21493E-RFB Tester:Bacry Peng  
Date: 26.JUL.2026 17:51:05

802.11n20\_5180MHz



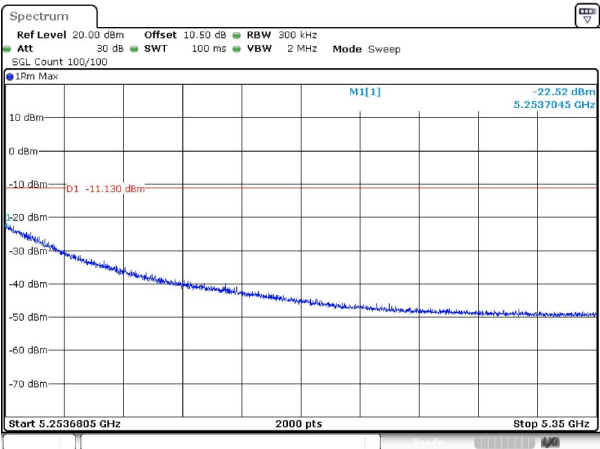
ProjectNo.:2601V21493E-RFB Tester:Bacry Peng  
Date: 26.JUL.2026 17:53:25

802.11n20\_5200MHz



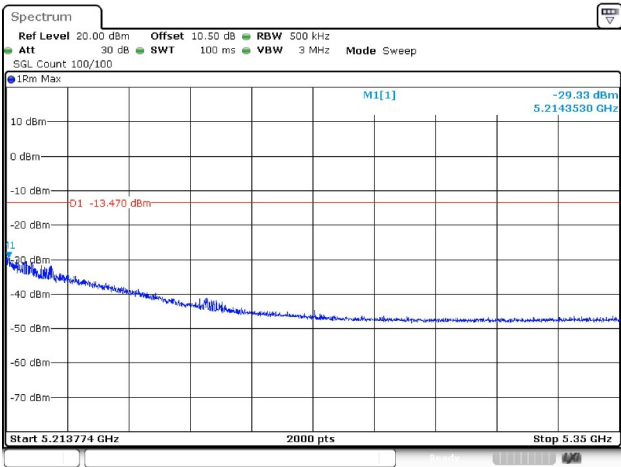
ProjectNo.:2601V21493E-RFB Tester:Bacry Peng  
Date: 26.JUL.2026 17:55:08

802.11n20\_5240MHz



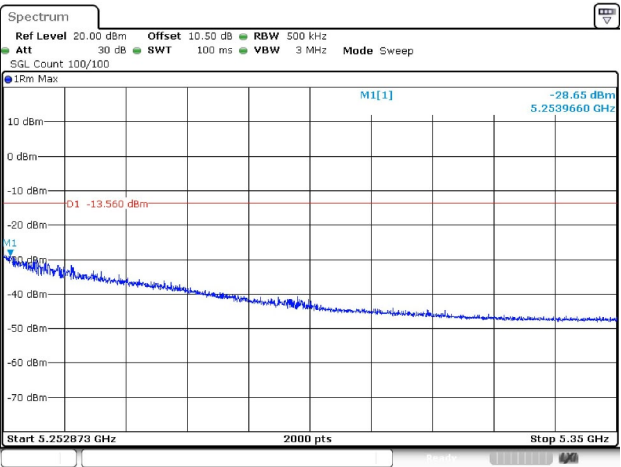
ProjectNo.:2601V21493E-RFB Tester:Bacry Peng  
Date: 26.JUL.2026 17:57:02

802.11n40\_5190MHz



ProjectNo.: 2601V21493E-RFB Tester: Barry Ring  
Date: 26\_AUG, 2026 17:58:55

802.11n40\_5230MHz



ProjectNo.: 2601V21493E-RFB Tester: Barry Ring  
Date: 26\_AUG, 2026 18:00:37

**Emission Bandwidth****26dB Emission Bandwidth****5150-5250MHz**

| Mode      | Test Frequency (MHz) | Result (MHz)  |
|-----------|----------------------|---------------|
| 802.11a   | 5180                 | 25.776        |
|           | 5200                 | 26.762        |
|           | 5240                 | 25.265        |
| 802.11n20 | 5180                 | 27.422        |
|           | 5200                 | 27.018        |
|           | 5240                 | 26.846        |
| 802.11n40 | 5190                 | <b>46.847</b> |
|           | 5230                 | 46.146        |

**5250-5350MHz**

| Mode      | Test Frequency (MHz) | Result (MHz)  |
|-----------|----------------------|---------------|
| 802.11a   | 5260                 | 24.545        |
|           | 5280                 | 27.831        |
|           | 5320                 | 25.676        |
| 802.11n20 | 5260                 | 28.351        |
|           | 5280                 | 27.139        |
|           | 5320                 | 27.876        |
| 802.11n40 | 5270                 | <b>62.053</b> |
|           | 5310                 | 58.055        |

**5470-5725MHz**

| Mode      | Test Frequency (MHz) | Result (MHz) |
|-----------|----------------------|--------------|
| 802.11a   | 5500                 | 29.652       |
|           | 5580                 | 36.433       |
|           | 5700                 | 34.077       |
|           | 5720                 | 36.995       |
| 802.11n20 | 5500                 | 37.444       |
|           | 5580                 | 34.949       |
|           | 5700                 | 40.465       |
|           | 5720                 | 35.545       |

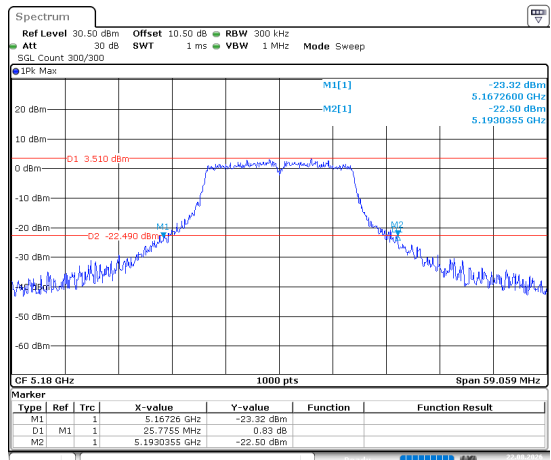
| Mode      | Test Frequency (MHz) | Result (MHz)  |
|-----------|----------------------|---------------|
| 802.11n40 | 5510                 | 77.561        |
|           | 5550                 | 78.391        |
|           | 5670                 | 80.587        |
|           | 5710                 | <b>83.808</b> |

**6dB Emission Bandwidth****5725-5850MHz**

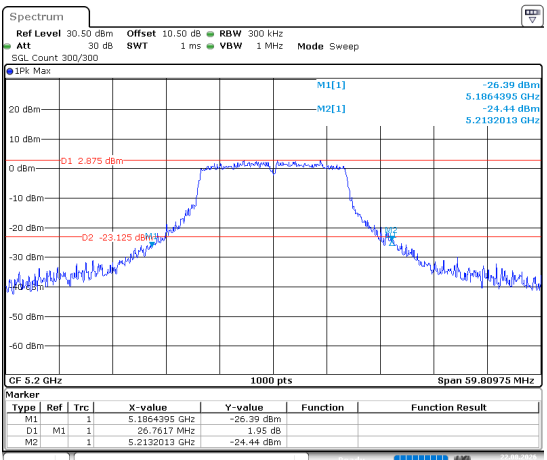
| Mode      | Test Frequency (MHz) | Result (MHz)  | Limit (MHz) | Verdict |
|-----------|----------------------|---------------|-------------|---------|
| 802.11a   | 5745                 | 16.416        | 0.5         | Pass    |
|           | 5785                 | 16.416        | 0.5         | Pass    |
|           | 5825                 | 16.467        | 0.5         | Pass    |
| 802.11n20 | 5745                 | <b>17.768</b> | 0.5         | Pass    |
|           | 5785                 | 17.718        | 0.5         | Pass    |
|           | 5825                 | 17.718        | 0.5         | Pass    |
| 802.11n40 | 5755                 | 17.718        | 0.5         | Pass    |
|           | 5795                 | 17.718        | 0.5         | Pass    |

5150-5250MHz

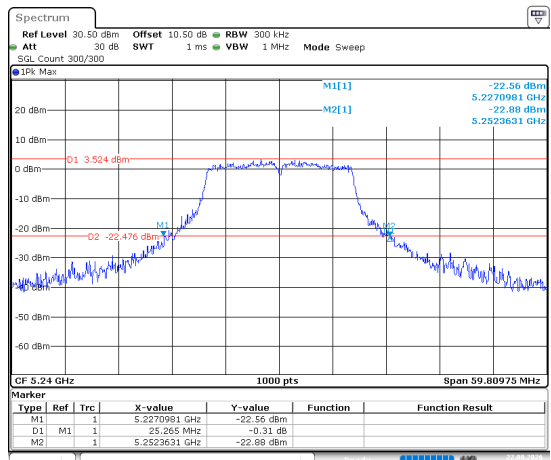
802.11a\_5180MHz



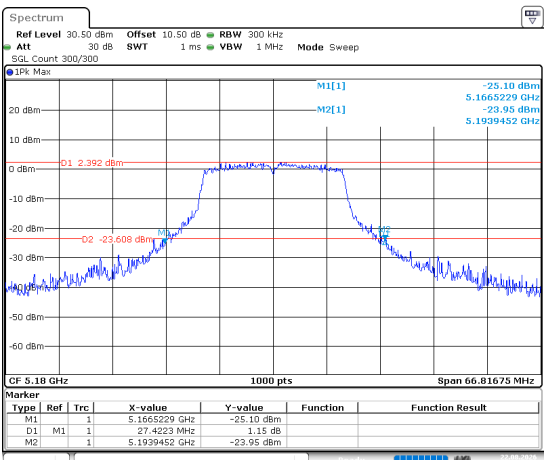
802.11a\_5200MHz



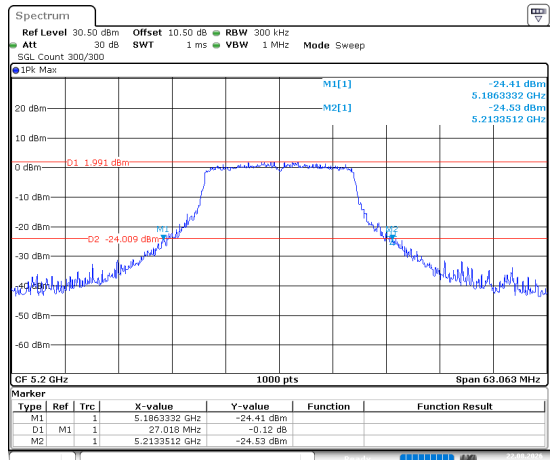
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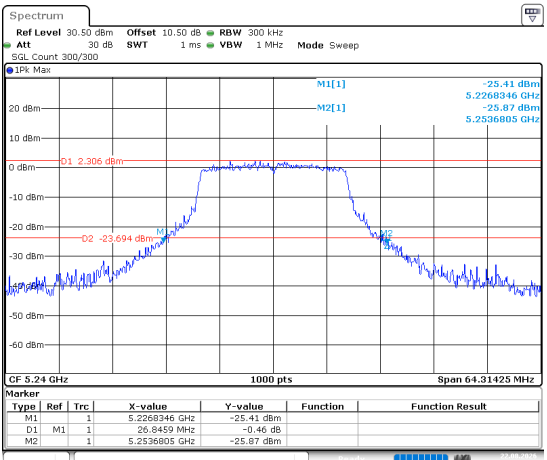
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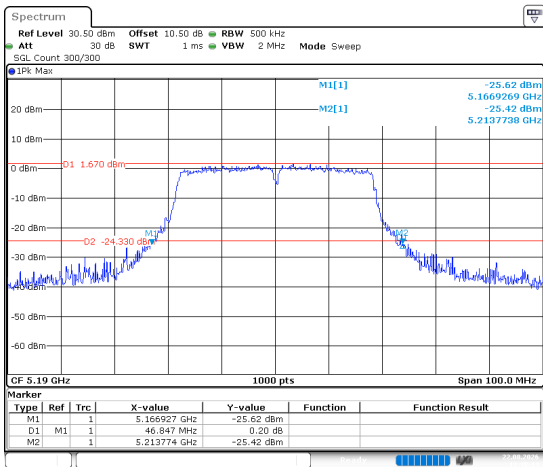
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802.11n20\_5240MHz

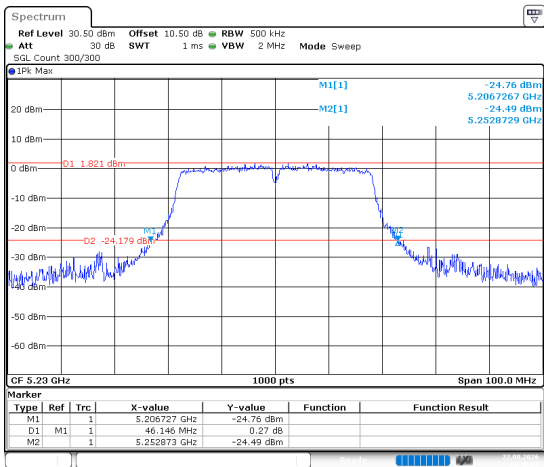


802.11n40\_5190MHz



ProjectNo.:2601V21493E-RF Tester:Barry Feng  
Date: 22.AUG.2026 11:48:15

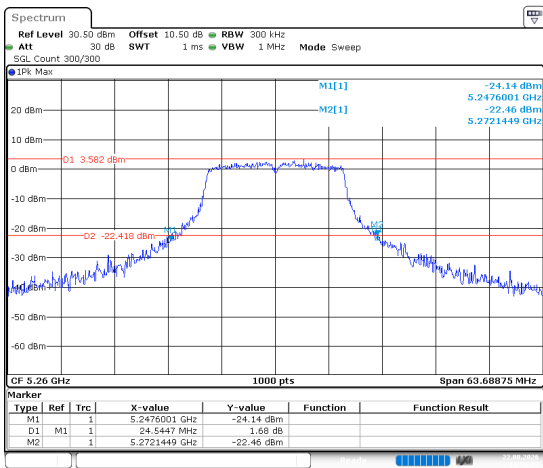
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ProjectNo.:2601V21493E-RF Tester:Barry Feng  
Date: 22.AUG.2026 11:48:59

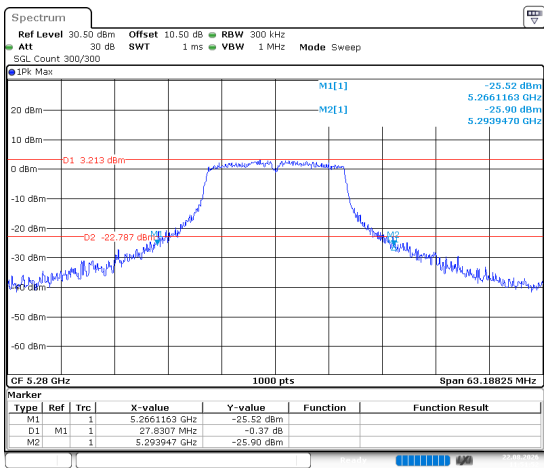
5250-5350MHz

802.11a\_5260MHz



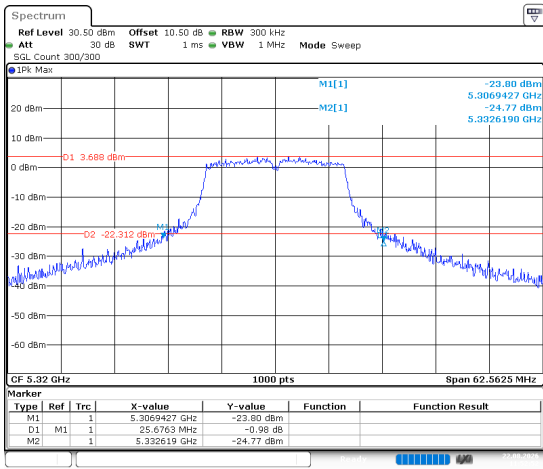
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802.11a\_5280MHz



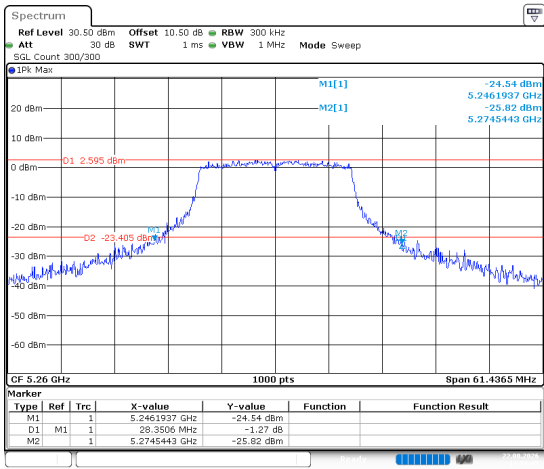
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Date: 22.AUG.2026 11:51:52

802.11a\_5320MHz



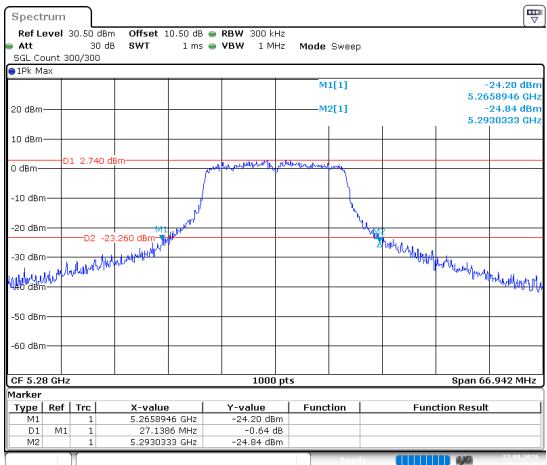
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802.11n20\_5260MHz

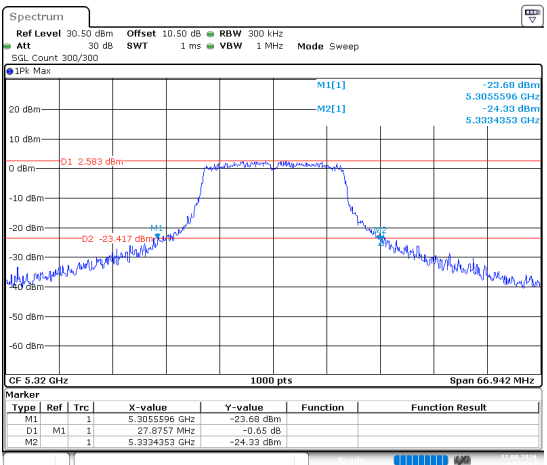


ProjectNo.:2601V21493E-RF Tester:Barry Feng  
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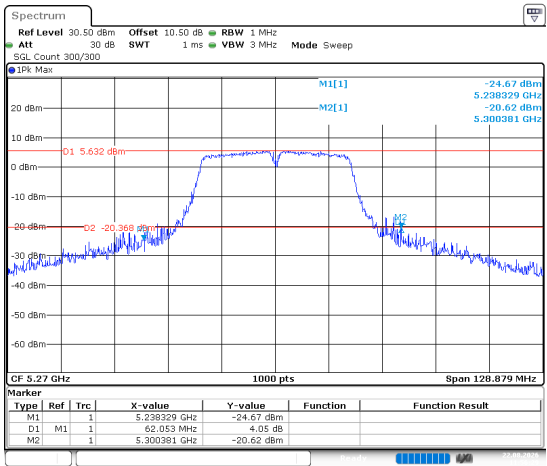
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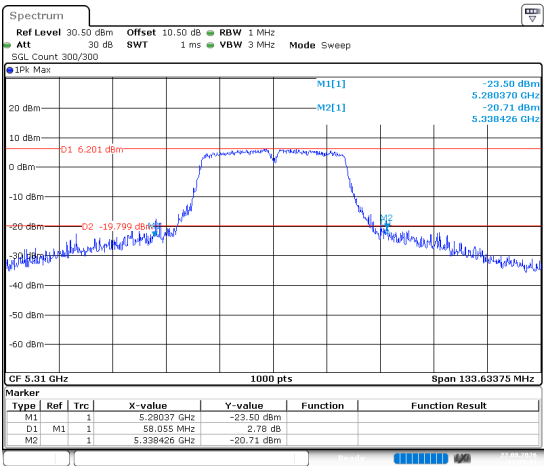
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802.11n40\_5270MHz

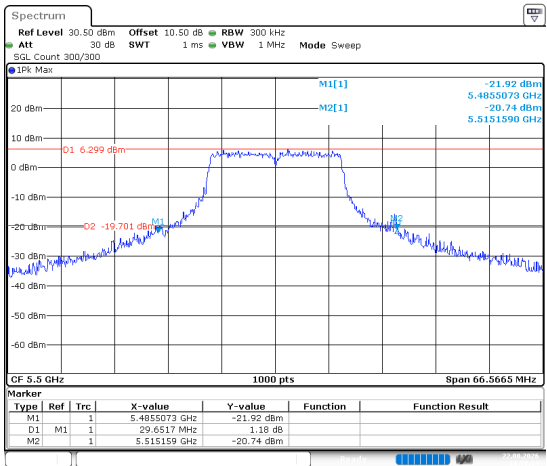


802.11n40\_5310MHz

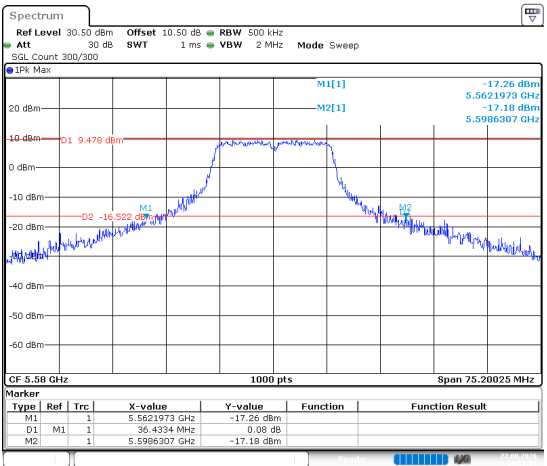


5470-5725MHz

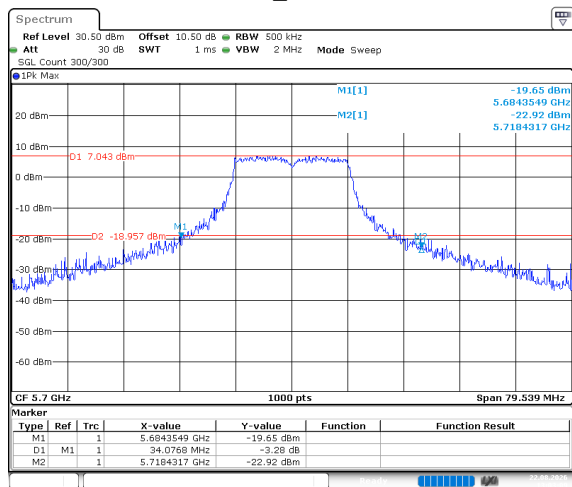
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802.11a\_5580MHz

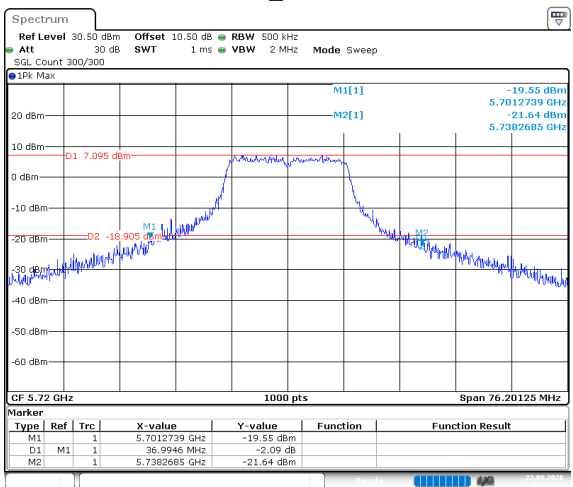


802.11a\_5700MHz



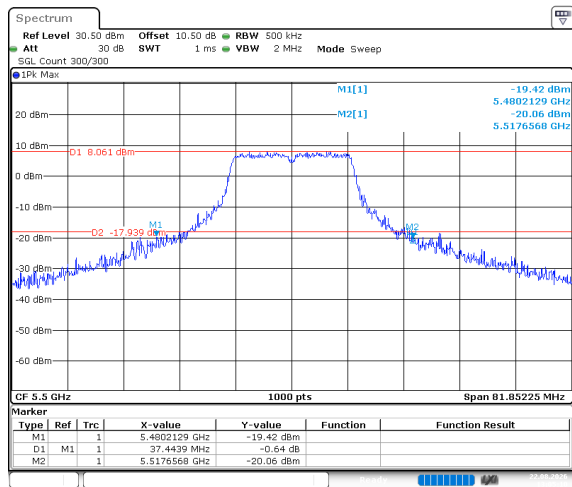
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802.11a\_5720MHz



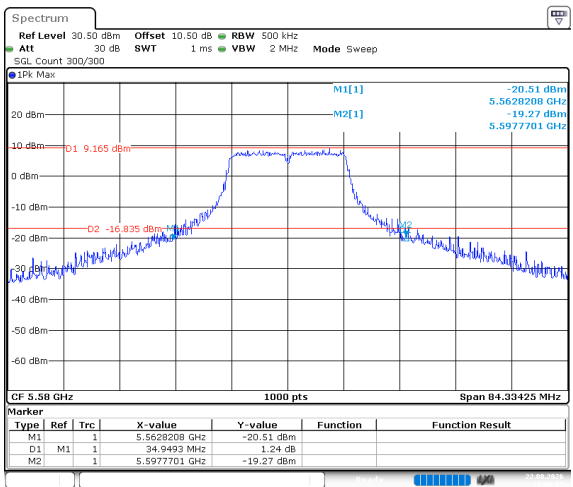
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802.11n20\_5500MHz



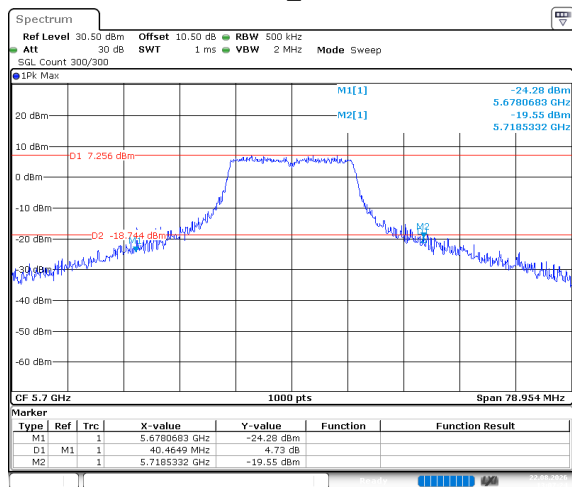
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802.11n20\_5580MHz



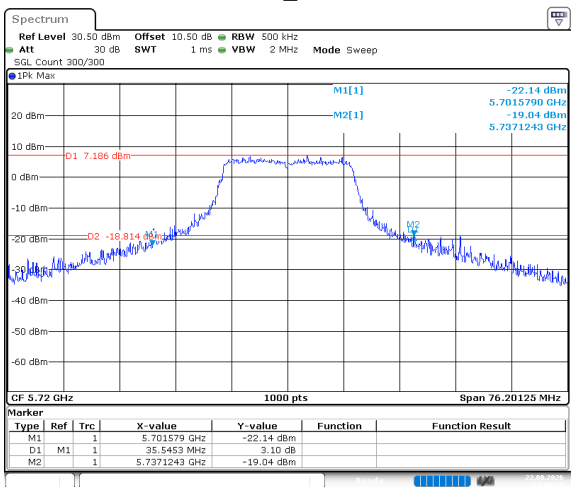
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802.11n20\_5700MHz



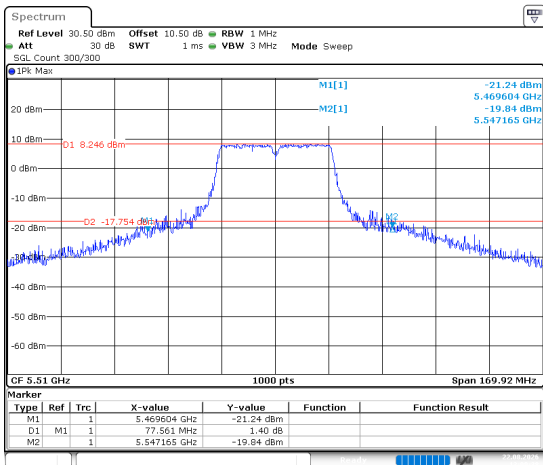
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802.11n20\_5720MHz

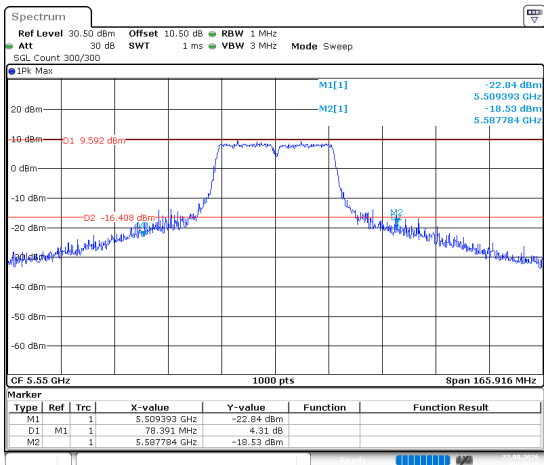


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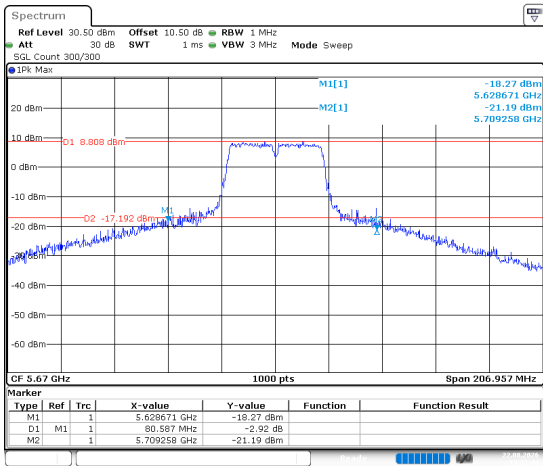
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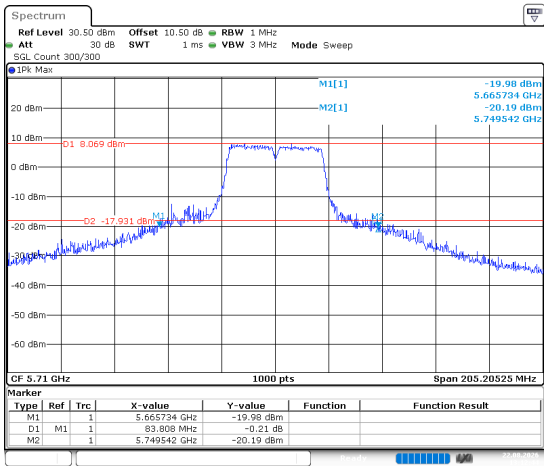
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802.11n40\_5670MHz

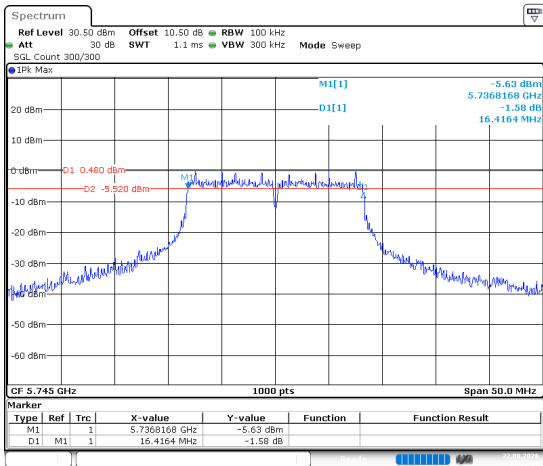


802.11n40\_5710MHz

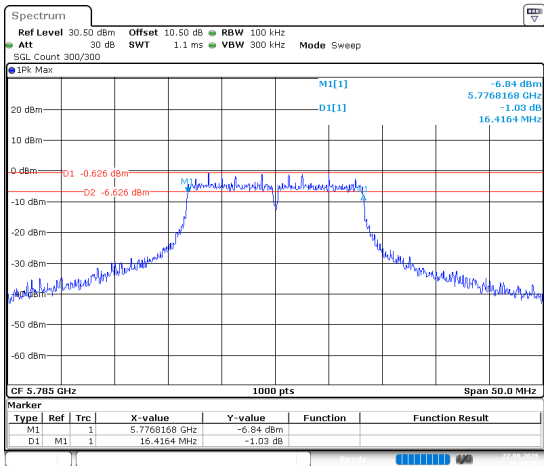


5725-5850MHz

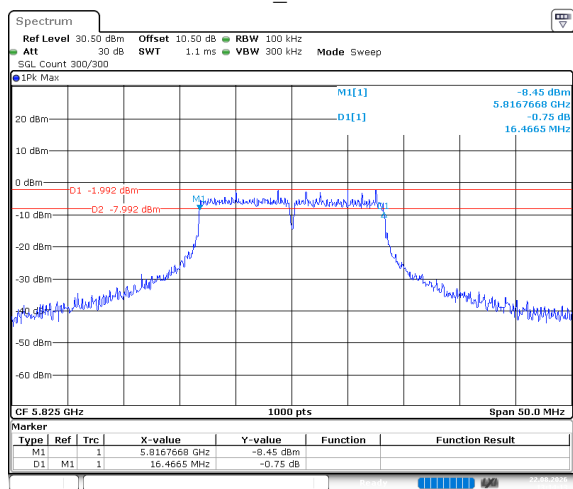
802.11a\_5745MHz



802.11a\_5785MHz

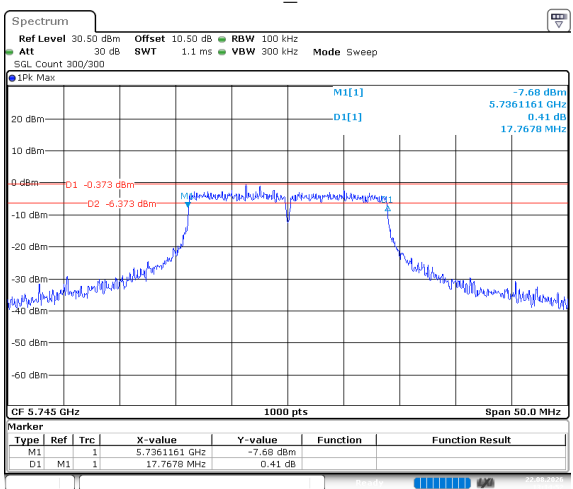


802.11a\_5825MHz



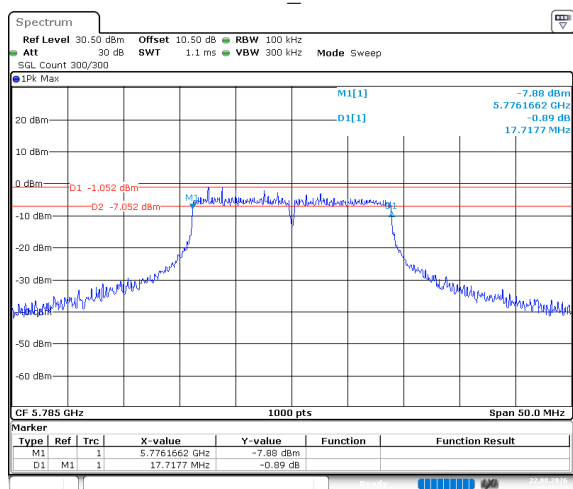
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802.11n20\_5745MHz



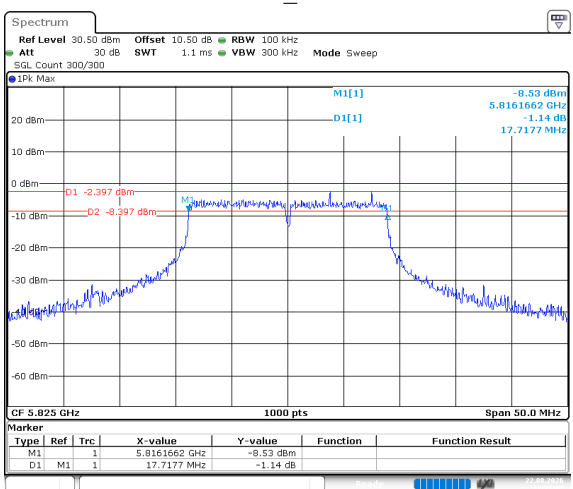
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802.11n20\_5785MHz



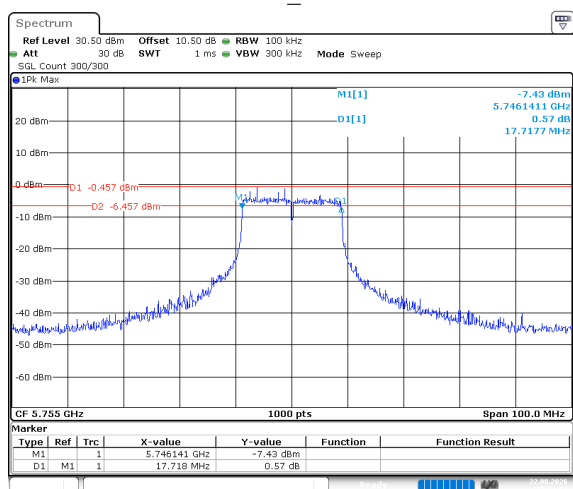
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802.11n20\_5825MHz



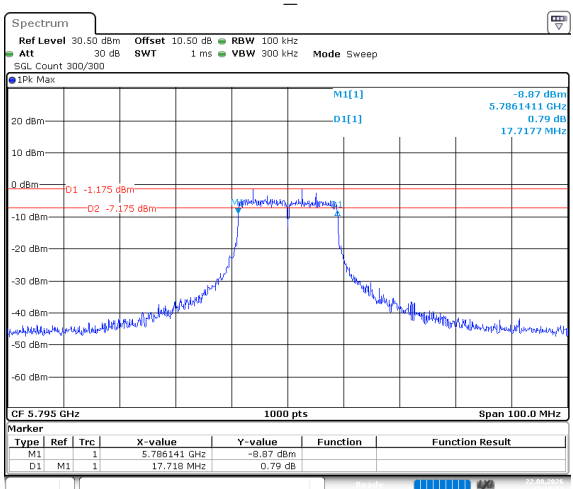
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802.11n40\_5755MHz



ProjectNo.:2601V21493E-RF Tester:Barry Feng  
Date: 22.AUG.2026 13:17:54

802.11n40\_5795MHz



ProjectNo.:2601V21493E-RF Tester:Barry Feng  
Date: 22.AUG.2026 13:18:17