# TEST REPORT

| | |
|---|---|
| Applicant Name : | YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD. |
| Address : | No.666 Hu'an Rd. Huli District Xiamen City, Fujian, P.R. China |
| ReportNumber: | SZNS220511-19758E-RF-00 |
| FCC ID: | T2C-M800 |

**Test Standard (s)**

FCC PART 15.407

**Sample Description**

| | |
|---|---|
| Product Type: | Video Conferencing Endpoint |
| Model No.: | MeetingEye 800 |
| Multiple Model(s) No.: | N/A |
| Trade Mark: | Yealink |
| Date Received: | 2022/05/11 |
| Report Date: | 2022/12/09 |

| | |
|---|---|
| Test Result: | Pass* |

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

**Prepared and Checked By:**

Audy Yu
EMC Engineer

**Approved By:**

Candy Li
EMC Engineer

Note: This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "★ ".
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# TABLE OF CONTENTS

# GENERAL INFORMATION

## Product Description for Equipment under Test (EUT)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Frequency Range | 5G Wi-Fi: 5150-5250MHz; 5250-5350MHz ;5470-5725MHz ; 5725-5850MHz | | | | | | |
| Mode | 802.11a/n20/n40/ac20/ac40/ac80 | | | | | | |
| Maximum Conducted Average Output Power(dBm) | module YL43455: | | | | | | |
| | | 802.11a | 802.11n20 | 802.11n40 | 802.11ac20 | 802.11ac40 | 802.11ac80 |
| | 5150-5250MHz | 14.56 | 14.10 | 12.86 | 14.13 | 12.74 | 10.76 |
| | 5250-5350MHz | 13.97 | 13.50 | 12.22 | 13.48 | 12.12 | 10.46 |
| | 5470-5725MHz | 9.01 | 9.03 | 7.00 | 9.13 | 7.40 | 6.88 |
| | 5725-5850MHz | 13.51 | 13.25 | 13.72 | 13.18 | 13.69 | 13.41 |
| | module D845 | | | | | | |
| | 5150-5250MHz | 14.88 | 17.54 | 15.36 | 17.65 | 15.80 | 15.81 |
| | 5250-5350MHz | 15.03 | 17.61 | 15.38 | 17.71 | 15.63 | 15.80 |
| | 5470-5725MHz | 15.57 | 15.00 | 14.94 | 14.97 | 15.03 | 14.01 |
| | 5725-5850MHz | 16.15 | 17.88 | 17.87 | 17.81 | 17.85 | 17.92 |
| Modulation Technique | OFDM | | | | | | |
| Antenna Specification* | 2.47dBi(provided by the applicant) | | | | | | |
| Voltage Range | DC 48V from adapter | | | | | | |
| Sample serial number | SZNS220511-19758E-RF-S1for Conducted and Radiated Emissions<br>SZNS220511-19758E-RF-S2 for RF Conducted Test<br>(Assigned by ATC) | | | | | | |
| Sample/EUT Status | Good condition | | | | | | |
| Adapter 1 information | Model: NSA96EC-48020000<br>Input: AC 100-240V, 50/60Hz, 1.5A<br>Output: DC 48.0V, 2.0A ,96.0W | | | | | | |
| Adapter 2 information | Model: YLPS482000C<br>Input: AC 100-240V, 50/60Hz, 1.5A<br>Output: DC 48.0V, 2.0A ,96.0W | | | | | | |
| Note 1: the device installed two RF module, module D845 and module YL43455, for module D845 use the 2.4GHz/5GHz Wi-Fi function, for module YL43455 use the BT/BLE/2.4GHz/5GHz Wi-Fi function.<br>Note 2: the two adapters were electrical identical just difference with model number which was declared by manufacturer, the adapter 1 was selected to test. | | | | | | | |

## Objective

This test report isin accordance with Part 2-Subpart J, Part 15-Subparts A and E of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart E, section 15.203, 15.205, 15.207, 15.209 and 15.407 rules.

## Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. And KDB789033 D02 General U-NII Test Procedures New Rules v02r01.

All emissions measurement was performed at Shenzhen Accurate Technology Co., Ltd. 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 | | 5% |
| RF Frequency | | $0.082*10^{-7}$ |
| RF output power, conducted | | 0.73dB |
| Unwanted Emission, conducted | | 1.6dB |
| AC Power Lines Conducted Emissions | | 2.72dB |
| Emissions, Radiated | 9kHz - 30MHz | 2.66dB |
| | 30MHz - 1GHz | 4.28dB |
| | 1GHz - 18GHz | 4.98dB |
| | 18GHz -26.5GHz | 5.06dB |
| | 26.5GHz -40GHz | 4.72dB |
| Temperature | | 1℃ |
| Humidity | | 6% |
| Supply voltages | | 0.4% |

*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 Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 708358,the FCC Designation No.: CN1189. Accredited by American Association for Laboratory Accreditation (A2LA) The Certificate Number is 429 7.01.

Listed by Innovation, Science and Economic Development Canada (ISEDC), the Registration Number is 5077A.

# 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, 7 channels are provided to testing:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 36 | 5180 | 44 | 5220 |
| 38 | 5190 | 46 | 5230 |
| 40 | 5200 | 48 | 5240 |
| 42 | 5210 | / | / |

For 802.11a/n20/ac20 mode: channel 36, 40, 48 were tested;
For 802.11n40/ac40mode: channel 38, 46 were tested;
For 802.11ac80 mode, channel 42 was tested.

For 5250-5350MHz Band, 7 channels are provided to testing:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 52 | 5260 | 60 | 5300 |
| 54 | 5270 | 62 | 5310 |
| 56 | 5280 | 64 | 5320 |
| 58 | 5290 | / | / |

For 802.11a, 802.11n20/ac20 mode: channel 52, 56, 64 were tested;
For 802.11n40/ac40mode: channel 54, 62 were tested;
For 802.11ac80 mode, channel 58 was tested.

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

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 100 | 5500 | 120 | 5600 |
| 102 | 5510 | 122 | 5610 |
| 104 | 5520 | 124 | 5620 |
| 106 | 5530 | 126 | 5630 |
| 108 | 5540 | 128 | 5640 |
| 110 | 5550 | 132 | 5660 |
| 112 | 5560 | 134 | 5670 |
| 116 | 5580 | 136 | 5680 |
| 118 | 5590 | 140 | 5700 |

For 802.11a/n20/ac20 mode: channel 100,116,140 were tested;
For 802.11n40/ac40mode: channel 102, 110, 134 were tested;
For 802.11ac80 mode, channel 106, 122 was tested.

For 5725-5850MHz Band, 8 channels are provided to testing:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 149 | 5745 | 157 | 5785 |
| 151 | 5755 | 159 | 5795 |
| 153 | 5765 | 161 | 5805 |
| 155 | 5775 | 165 | 5825 |

For 802.11a/n20/ac20 mode: channel 149, 157, 165 were tested;
For 802.11n40/ac40 mode: channel 151, 159 were tested;
For 802.11ac80 mode, channel 155 was tested

## EUT Exercise Software

"AuthenticTool"* was used to the config EUT to Test Mode and power level as below. The software and power level was provided by the applicant.

The device was tested with the worst case was performed as below:

| Band (MHz) | Mode | DataRate | Power Level* | | |
|---|---|---|---|---|---|
| | | | Low | Middle | High |
| 5150-5250 | 802.11a | 6Mbps | 16 | 16 | 16 |
| | 802.11n20 | MCS0 | 16 | 16 | 16 |
| | 802.11n40 | MCS0 | 14 | / | 14 |
| | 802.11ac20 | MCS0 | 16 | 16 | 16 |
| | 802.11ac40 | MCS0 | 14 | / | 14 |
| | 802.11ac80 | MCS0 | / | 14 | / |
| 5250-5350 | 802.11a | 6Mbps | 16 | 16 | 16 |
| | 802.11n20 | MCS0 | 16 | 16 | 16 |
| | 802.11n40 | MCS0 | 14 | / | 14 |
| | 802.11ac20 | MCS0 | 16 | 16 | 16 |
| | 802.11ac40 | MCS0 | 14 | / | 14 |
| | 802.11ac80 | MCS0 | / | 14 | / |

| Band (MHz) | Mode | DataRate | Power Level* | | |
|---|---|---|---|---|---|
| | | | Low | Middle | High |
| 5470-5725 | 802.11a | 6Mbps | 16 | 16 | 16 |
| | 802.11n20 | MCS0 | 13 | 13 | 13 |
| | 802.11n40 | MCS0 | 13 | 13 | 13 |
| | 802.11ac20 | MCS0 | 13 | 13 | 13 |
| | 802.11ac40 | MCS0 | 13 | 13 | 13 |
| | 802.11ac80 | MCS0 | 12 | / | 12 |
| 5725-5850 | 802.11a | 6Mbps | 16 | 16 | 16 |
| | 802.11n20 | MCS0 | 16 | 16 | 16 |
| | 802.11n40 | MCS0 | 16 | / | 16 |
| | 802.11ac20 | MCS0 | 16 | 16 | 16 |
| | 802.11ac40 | MCS0 | 16 | / | 16 |
| | 802.11ac80 | MCS0 | / | 16 | / |

The worse-case data rates are determined to be as follows for each mode based upon investigations by measuring the output power and PSD across all data rated bandwidths, and modulations.

The device have two antennas for module D845 and support SISO/MIMO transmit except for 802.11 a mode which only support SISO transmit, per pretest, the worst case MIMO was tested and reported for 802.11n/ac mode.

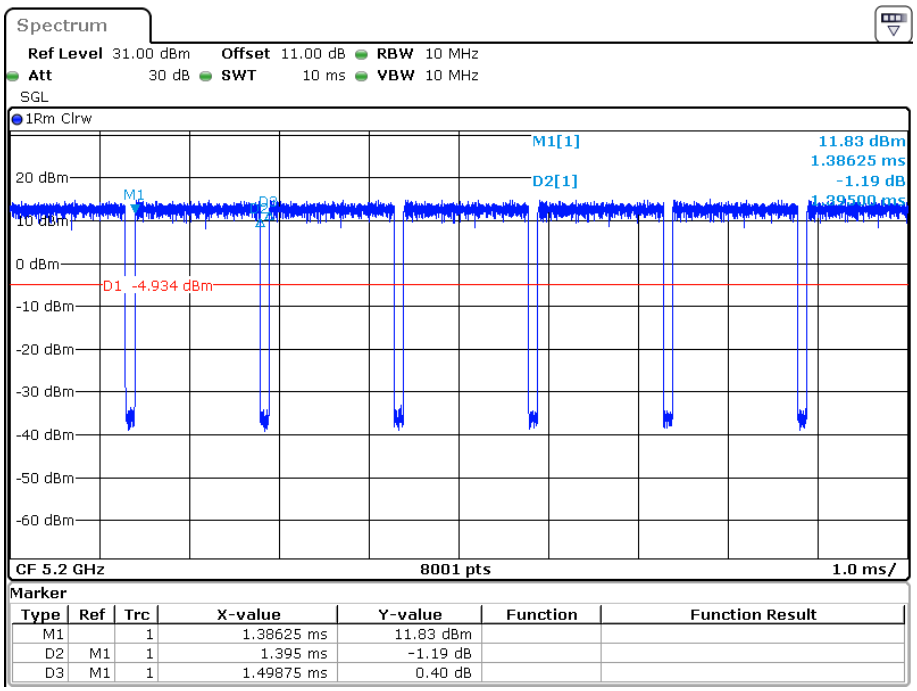
The power level was provided by the applicant.

## Duty cycle

For module: YL43455

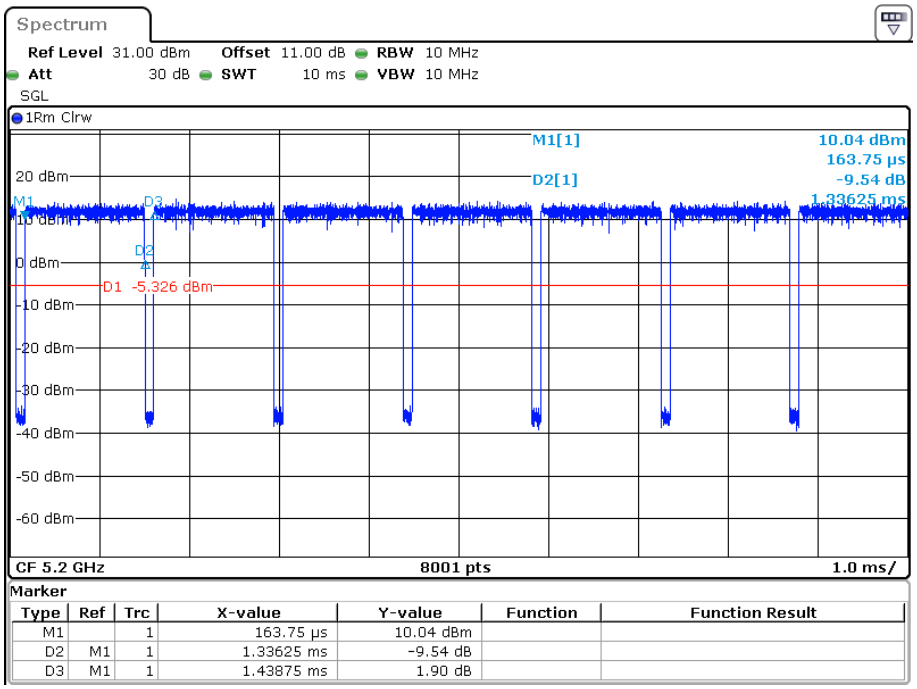
| Mode | $T_{on}$ (ms) | $T_{on+off}$ (ms) | Duty Cycle(%) |
|---|---|---|---|
| 802.11a | 1.395000 | 1.498750 | 93.08 |
| 802.11n20 | 1.336250 | 1.438750 | 92.88 |
| 802.11n40 | 0.648750 | 0.751250 | 86.36 |
| 802.11ac20 | 1.316250 | 1.418750 | 92.78 |
| 802.11ac40 | 0.656250 | 0.758750 | 86.49 |
| 802.11ac80 | 0.323750 | 0.426250 | 75.95 |

## 802.11a mode



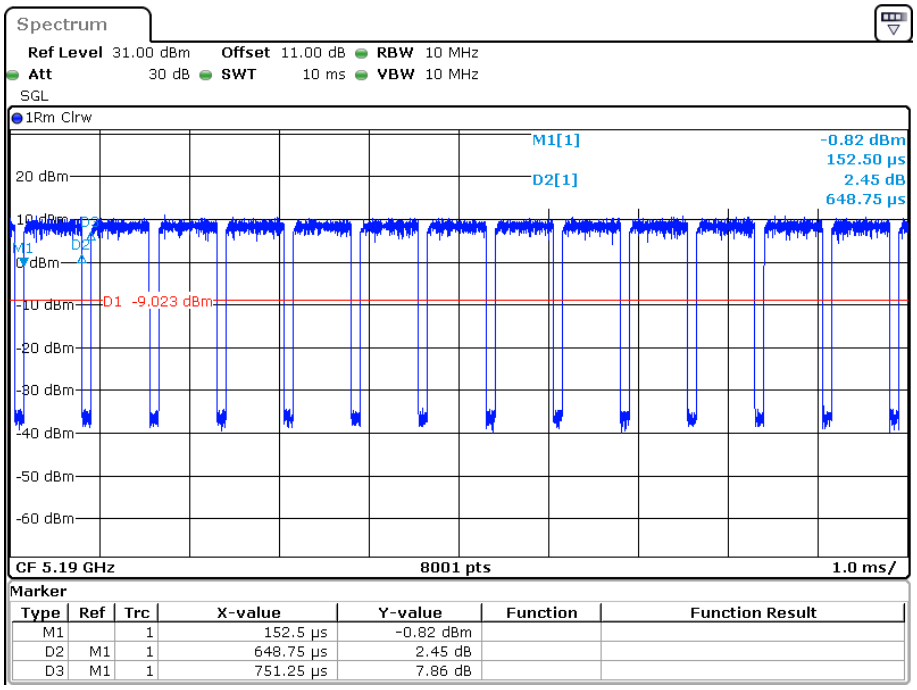

Date: 27.JUN.2022 21:18:47

## 802.11n20 mode




Date: 27.JUN.2022 22:11:43

## 802.11n40 mode

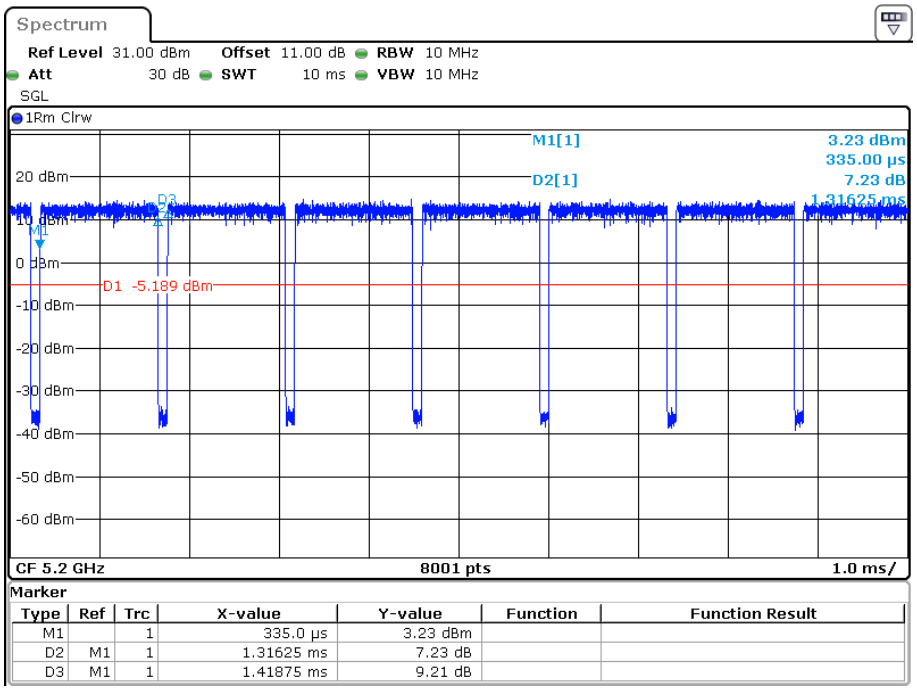



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 152.5 µs | -0.82 dBm | | |
| D2 | M1 | 1 | 648.75 µs | 2.45 dB | | |
| D3 | M1 | 1 | 751.25 µs | 7.86 dB | | |

Date: 27.JUN.2022 23:19:28

## 802.11ac20 mode

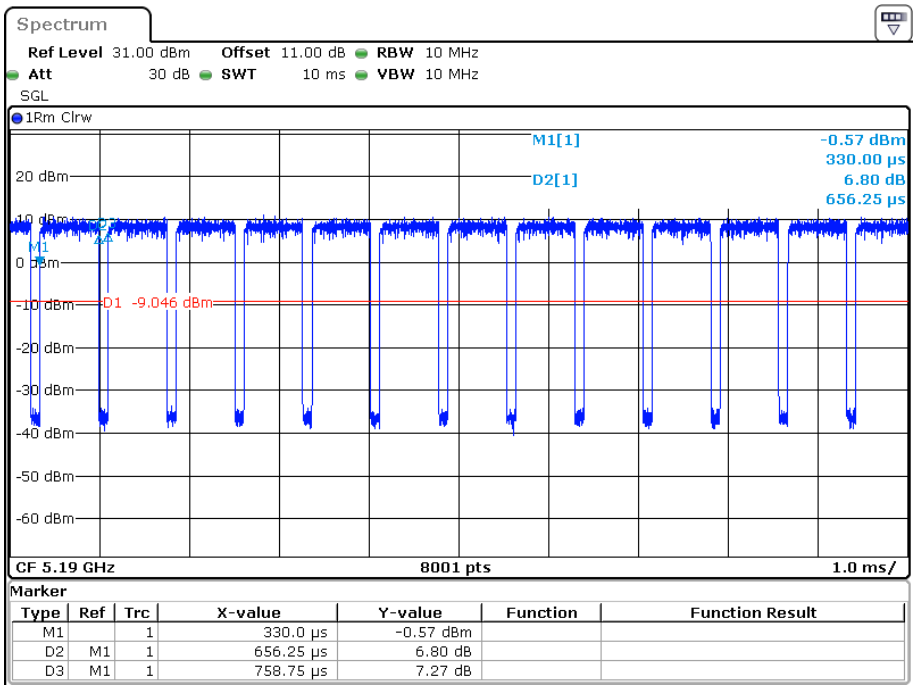



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 335.0 µs | 3.23 dBm | | |
| D2 | M1 | 1 | 1.31625 ms | 7.23 dB | | |
| D3 | M1 | 1 | 1.41875 ms | 9.21 dB | | |

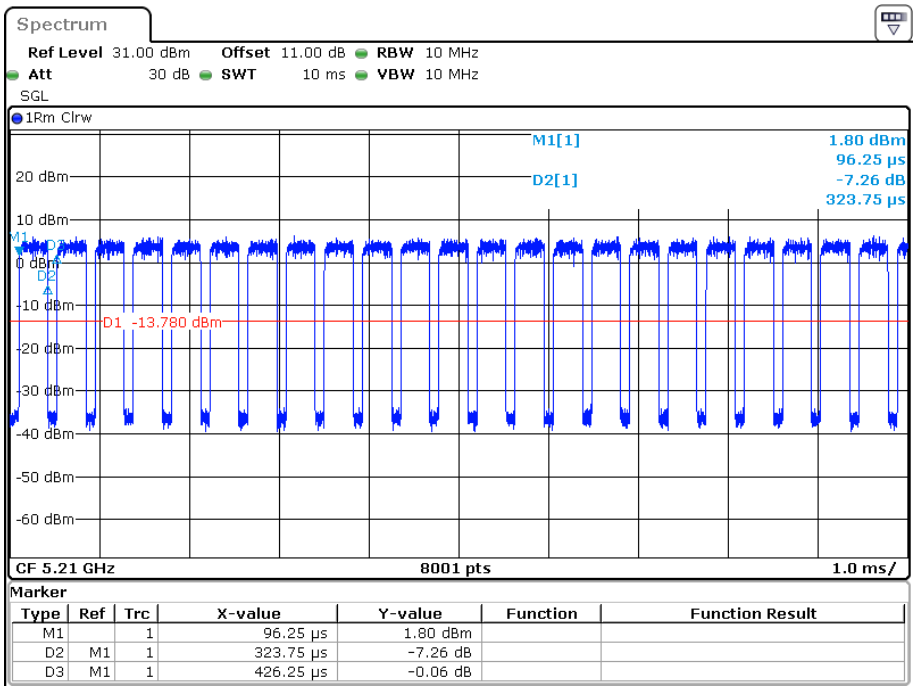
Date: 27.JUN.2022 22:46:07

## 802.11ac40 mode




Date: 27.JUN.2022 23:54:38

## 802.11ac80 Mode

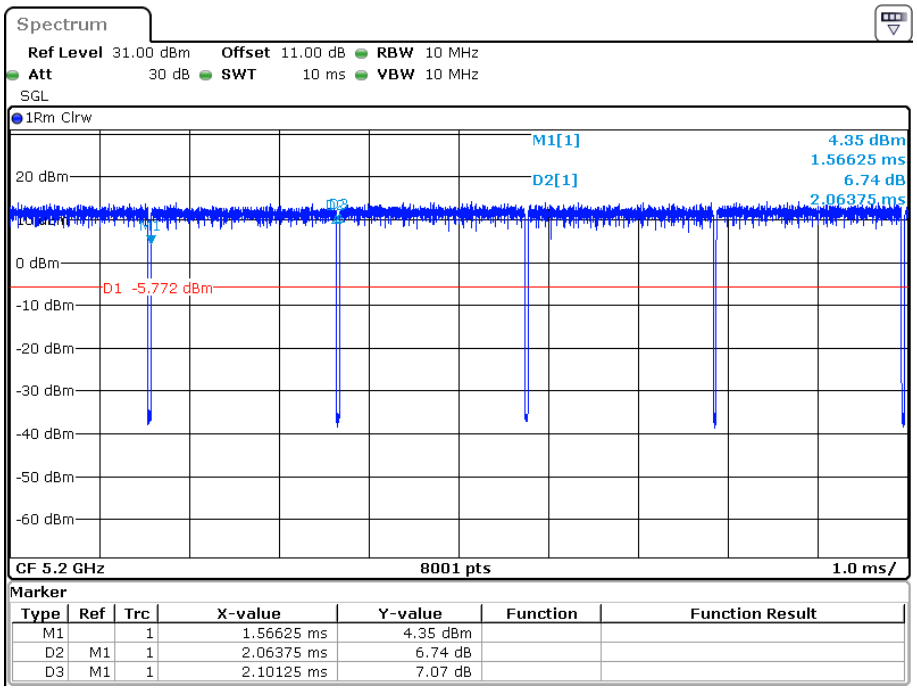



Date: 28.JUN.2022 00:18:25

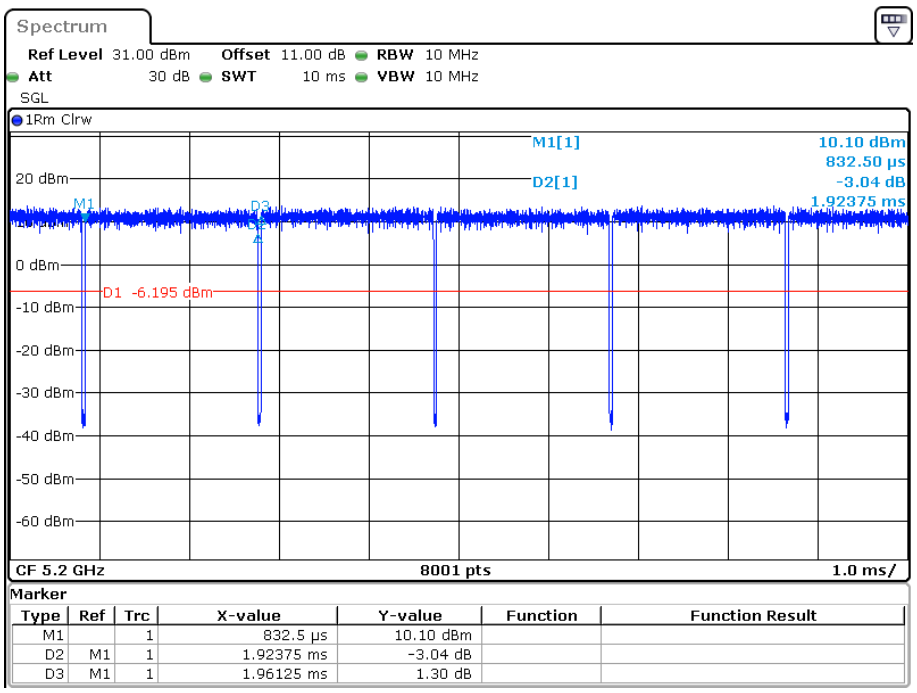
For Wi-Fi module: D845

| Mode | $T_{on}$ (ms) | $T_{on+off}$ (ms) | Duty Cycle(%) |
|---|---|---|---|
| 802.11a | 2.063750 | 2.101250 | 98.22 |
| 802.11n20 | 1.923750 | 1.961250 | 98.09 |
| 802.11n40 | 0.948750 | 0.985000 | 96.32 |
| 802.11ac20 | 1.931250 | 1.968750 | 98.10 |
| 802.11ac40 | 0.952500 | 0.990000 | 96.21 |
| 802.11ac80 | 0.463750 | 0.501250 | 92.52 |

**802.11a mode**

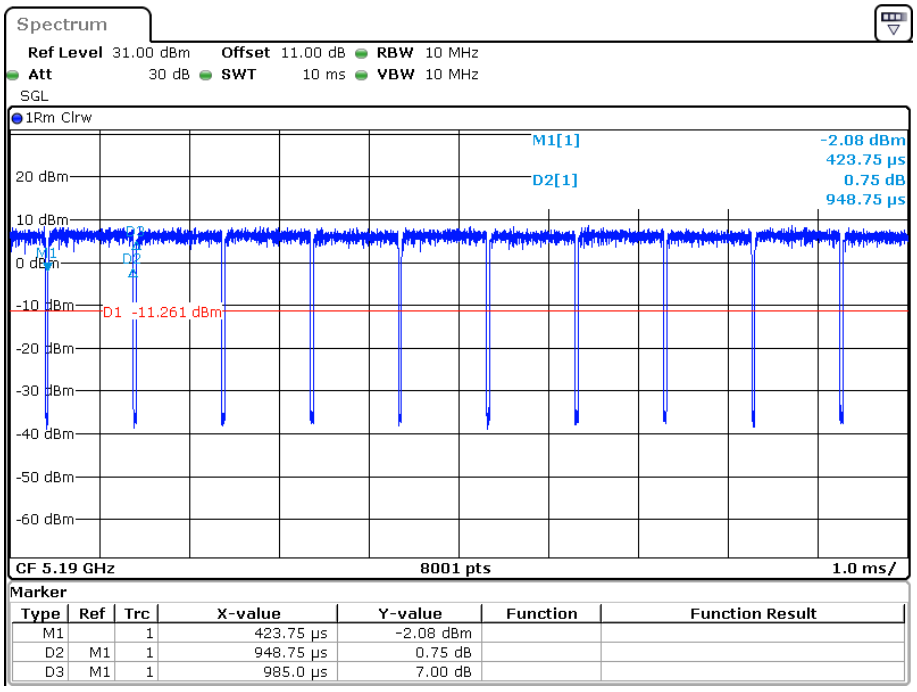


## 802.11n20 mode



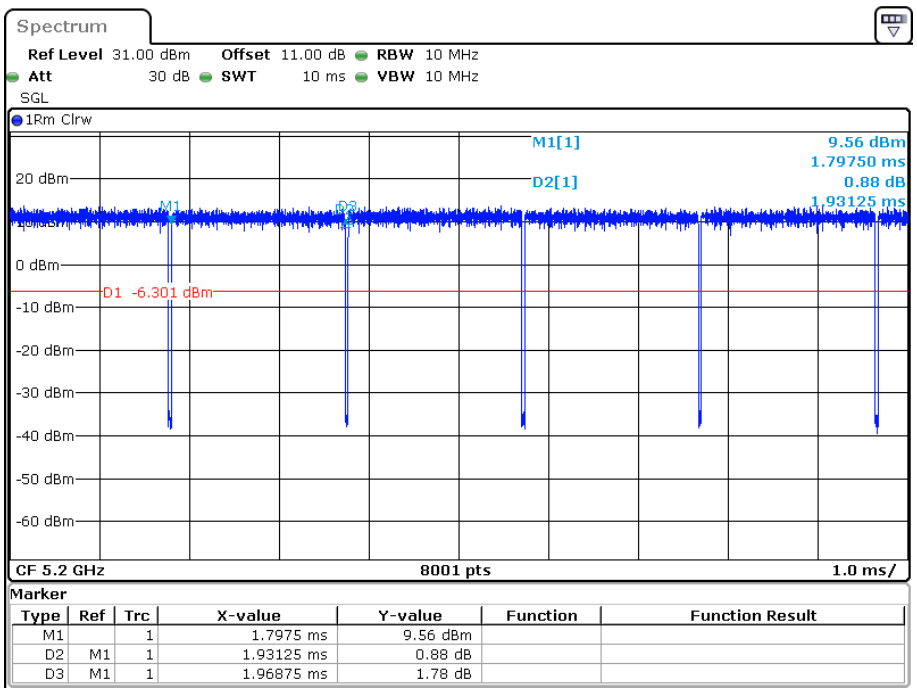

Date: 29.JUN.2022 00:06:49

## 802.11n40 mode



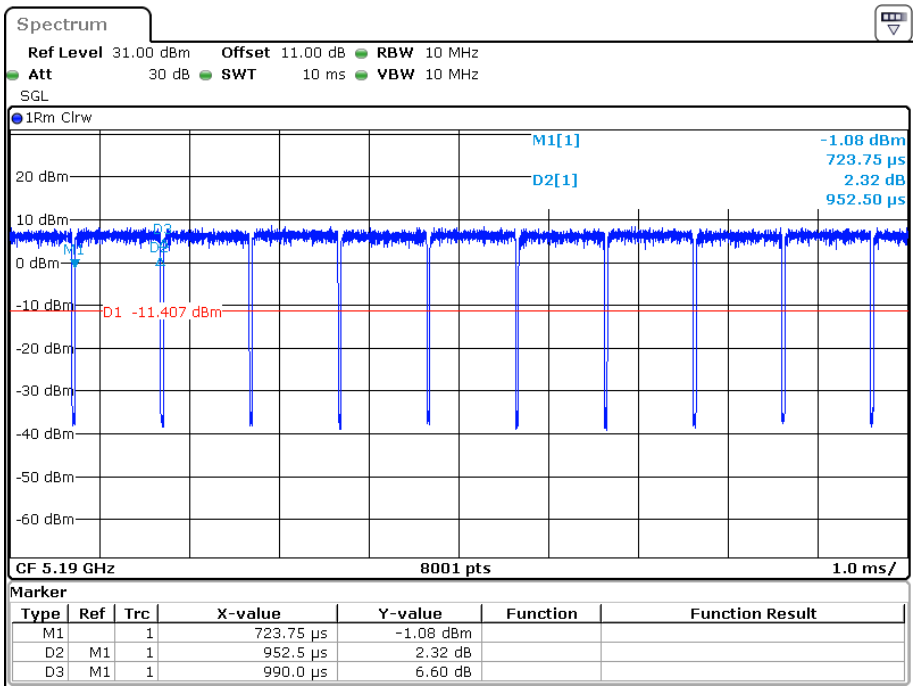

Date: 29.JUN.2022 00:28:16

## 802.11ac20 mode



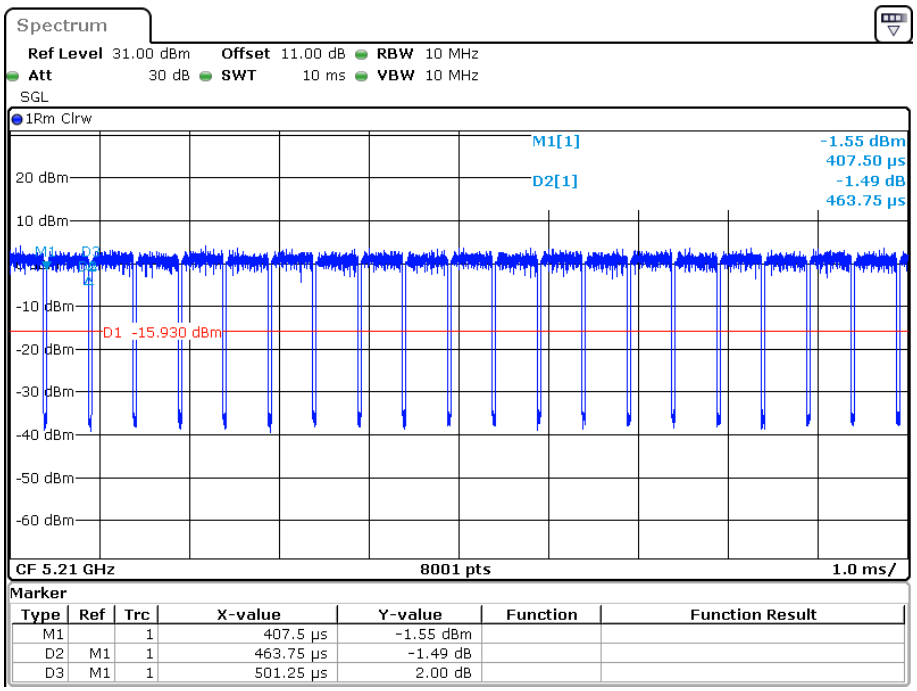

Date: 29.JUN.2022 19:43:13

## 802.11ac40 mode




Date: 30.JUN.2022 00:24:03

## 802.11ac80 Mode




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 407.5 µs | -1.55 dBm | | |
| D2 | M1 | 1 | 463.75 µs | -1.49 dB | | |
| D3 | M1 | 1 | 501.25 µs | 2.00 dB | | |

Date: 30.JUN.2022 00:43:05

## Equipment Modifications

No modification was made to the EUT tested.

## Support Equipment List and Details

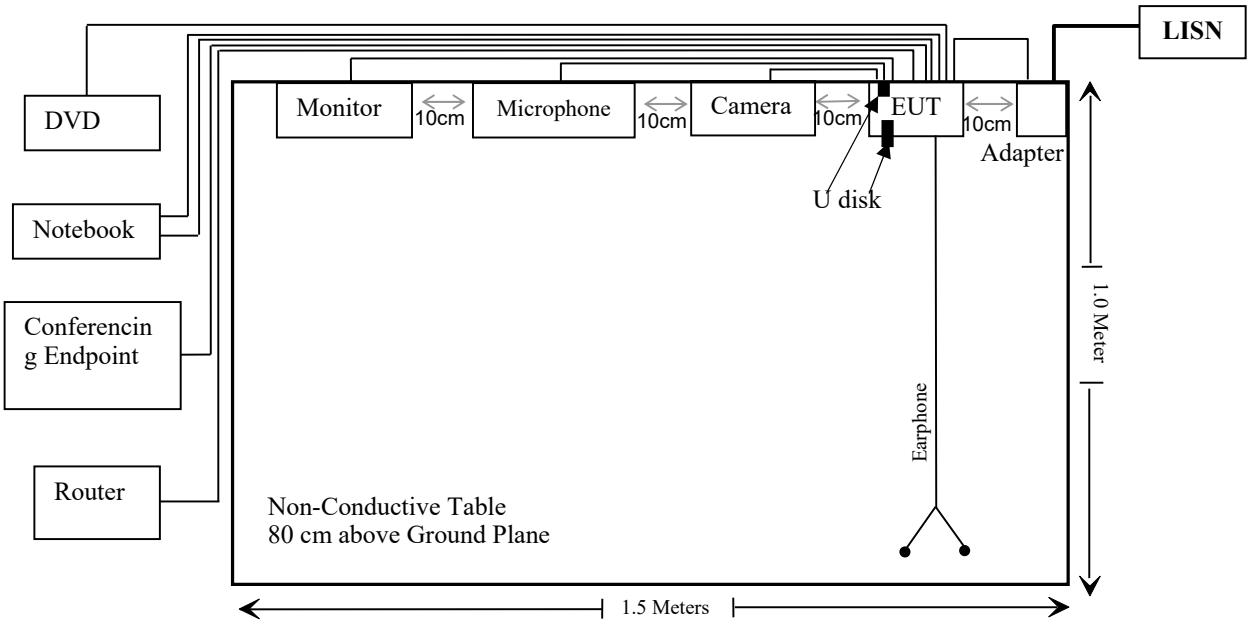
| Manufacturer | Description | Model | Serial Number |
|---|---|---|---|
| DELL | NoteBook | Latitude E4710 | PC201911252059 |
| Unknown | U disk | Unknown | Unknown |
| YEALINK | Microphone | Unknown | Unknown |
| YEALINK | Camera | UVC84 | Unknown |
| YEALINK | Conferencing Endpoint | A20 | Unknown |
| DELL | Monitor | RVE A00 | 506250042400R |
| HUAWEI | Router | WS5100 | A4933FEF1D01 |
| SAST | DVD | SA-016 | 25113 |

## External I/O Cable

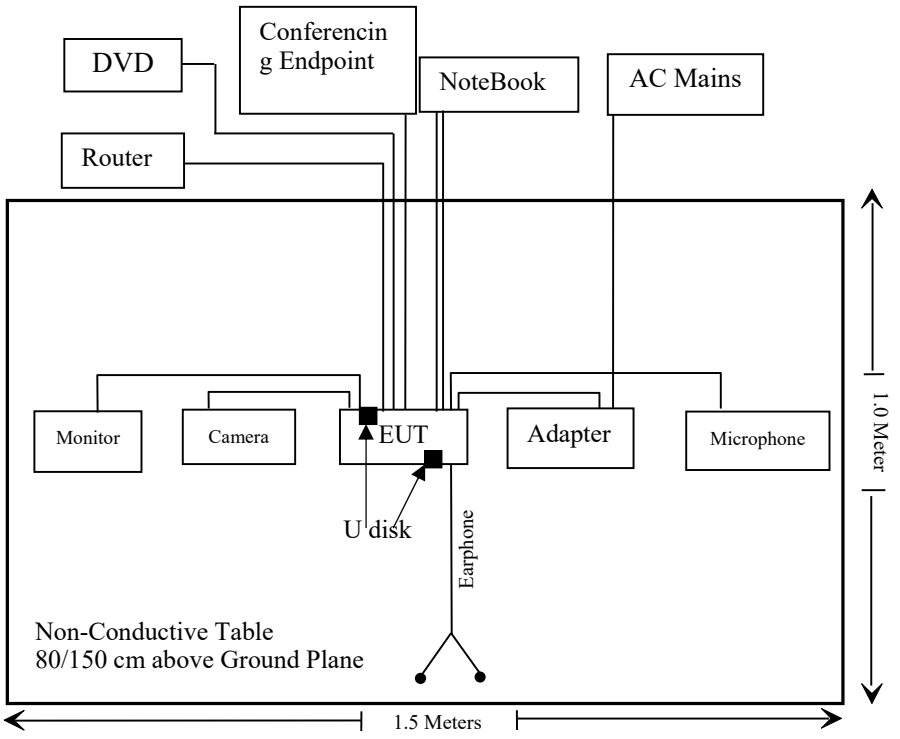
| Cable Description | Length (m) | From Port | To |
|---|---|---|---|
| Un-shielded detachable AC cable | 1.0 | Adapter | LISN |
| Un-shielded Un-detachable DC cable | 2.0 | Adapter | EUT |
| Un-shielded detachable USB cable | 8.0 | EUT | NoteBook |
| Un-shielded detachable HDMI cable | 5.0 | EUT | NoteBook |
| Un-shielded detachable HDMI cable | 5.0 | EUT | DVD |
| Un-shielded detachable HDMI cable | 5.0 | EUT | Monitor |
| Unshielded detachable RJ45 cable | 8.0 | EUT | Camera |
| Un-shielded detachable RJ45 cable | 8.0 | EUT | Conferencing Endpoint |
| Un-shielded detachable RJ45 cable | 8.0 | EUT | Router |
| Un-shielded detachable RJ45 cable | 8.0 | EUT | Microphone |

## Block Diagram of Test Setup

For conducted emission:




For Radiated Emissions:



# SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test | Result |
|---|---|---|
| §1.1307 (b) (3) & §2.1091 | RF Exposure | Compliant |
| §15.203 | Antenna Requirement | Compliant |
| §15.407(b)(9)& §15.207(a) | Conducted Emissions | Compliant |
| §15.205& §15.209 &§15.407(b) | Undesirable Emission& Restricted Bands | Compliant |
| §15.407(a) (e) | 26 dBEmission Bandwidth& 6dB Bandwidth | Compliant |
| §15.407(a) | Conducted Transmitter Output Power | Compliant |
| §15.407 (a) | Power Spectral Density | Compliant |
| §15.407 (h) | Transmit Power Control (TPC) | Not Applicable |
| §15.407 (h) | Dynamic Frequency Selection (DFS) | Compliant |

Not Applicable: the EUT has no TPC function which was declarded by the applicant.

# TEST EQUIPMENT LIST

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| Conducted Emissions Test | | | | | |
| Rohde& Schwarz | EMI Test Receiver | ESCI | 100784 | 2021/12/13 | 2022/12/12 |
| Rohde & Schwarz | L.I.S.N. | ENV216 | 101314 | 2021/12/13 | 2022/12/12 |
| Unknown | RF Coaxial Cable | No.17 | N0350 | 2021/12/14 | 2022/12/13 |
| Conducted Emission Test Software: e3 19821b (V9) | | | | | |
| Radiated Emissions Test | | | | | |
| Rohde& Schwarz | Test Receiver | ESR | 102725 | 2021/12/13 | 2022/12/12 |
| Rohde&Schwarz | Spectrum Analyzer | FSV40 | 101949 | 2021/12/13 | 2022/12/12 |
| SONOMA INSTRUMENT | Amplifier | 310 N | 186131 | 2022/11/08 | 2023/11/07 |
| A.H. Systems, inc. | Preamplifier | PAM-0118P | 135 | 2021/11/09 | 2022/11/08 |
| Quinstar | Amplifier | QLW-18405536-J0 | 15964001002 | 2021/11/11 | 2022/11/10 |
| Schwarzbeck | Bilog Antenna | VULB9163 | 9163-323 | 2021/07/06 | 2024/07/05 |
| Schwarzbeck | Horn Antenna | BBHA9120D | 9120D-1067 | 2020/01/05 | 2023/01/04 |
| Schwarzbeck | HORN ANTENNA | BBHA9170 | 9170-359 | 2020/01/05 | 2023/01/04 |
| Radiated Emission Test Software: e3 19821b (V9) | | | | | |
| Unknown | RF Coaxial Cable | No.10 | N050 | 2021/12/14 | 2022/12/13 |
| Unknown | RF Coaxial Cable | No.11 | N1000 | 2021/12/14 | 2022/12/13 |
| Unknown | RF Coaxial Cable | No.12 | N040 | 2021/12/14 | 2022/12/13 |
| Unknown | RF Coaxial Cable | No.13 | N300 | 2021/12/14 | 2022/12/13 |
| Unknown | RF Coaxial Cable | No.14 | N800 | 2021/12/14 | 2022/12/13 |
| Unknown | RF Coaxial Cable | No.15 | N600 | 2021/12/14 | 2022/12/13 |
| Unknown | RF Coaxial Cable | No.16 | N650 | 2021/12/14 | 2022/12/13 |
| CD | Band Reject Filter | BRM-5.15/5.35g-45 | 075 | 2021/12/14 | 2022/12/13 |
| CD | Band Reject Filter | BRM-5.47/5.725G-45 | 055 | 2021/12/14 | 2022/12/13 |
| CD | Band Reject Filter | BRM-5.725/5.875G-45 | 065 | 2021/12/14 | 2022/12/13 |

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| RF Conducted Test | | | | | |
| Tonscend | RF Control Unit | JS0806-2 | 19G8060182 | 2021/10/26 | 2022/10/25 |
| Rohde&Schwarz | Spectrum Analyzer | FSV-40 | 101948 | 2021/12/13 | 2022/12/12 |
| WEINSCHEL | 10dB Attenuator | 5324 | AU 3842 | 2021/12/14 | 2022/12/13 |
| Unknown | RF Cable | Unknown | 2 | Each time | / |

*** Statement of Traceability:** Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

# §1.1307 (b) (3) & §2.1091- RF EXPOSURE EVALUATETION

## Applicable Standard

According to subpart 15.247 (i) and 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 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)(1)(i)(C)] to support an exemptionfrom 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 $R^2f$. |
| 1,500-100,000 | 19.2$R^2$. |

Ris the minimum separation distance in meters
f = frequency in MHz

## Result

For worst case：

For Module YL43455:

| Mode | Frequency (MHz) | Tune up conducted power | Antenna Gain | | ERP | | Evaluation Distance (m) | ERP Limit (W) |
|---|---|---|---|---|---|---|---|---|
| | | (dBm) | (dBi) | (dBd) | (dBm) | (W) | | |
| BT | 2402-2480 | 8.5 | 4.61 | 2.46 | 10.96 | 0.012 | 0.2 | 0.768 |
| BLE | 2402-2480 | 3.0 | 4.61 | 2.46 | 5.46 | 0.004 | 0.2 | 0.768 |
| 2.4G Wi-Fi | 2412-2462 | 19.0 | 4.61 | 2.46 | 21.46 | 0.140 | 0.2 | 0.768 |
| 5G Wi-Fi | 5180-5240 | 15.0 | 2.47 | 0.32 | 15.32 | 0.034 | 0.2 | 0.768 |
| | 5260-5320 | 14.5 | 2.47 | 0.32 | 14.82 | 0.030 | 0.2 | 0.768 |
| | 5500-5700 | 10.0 | 2.47 | 0.32 | 10.32 | 0.011 | 0.2 | 0.768 |
| | 5745-5825 | 14.0 | 2.47 | 0.32 | 14.32 | 0.027 | 0.2 | 0.768 |

Note: 1. The tune up conducted power and antenna gain was declared by the applicant.
2. The BT/2.4GHz Wi-Fi/5GHz Wi-Fi cannot Simultaneous transmitting

For Module D845:

| Mode | Frequency (MHz) | Tune up conducted power | Antenna Gain | | ERP | | Evaluation Distance (m) | ERP Limit (W) |
|---|---|---|---|---|---|---|---|---|
| | | (dBm) | (dBi) | (dBd) | (dBm) | (W) | | |
| 2.4G Wi-Fi | 2412-2462 | 22.0 | 4.61 | 2.46 | 24.46 | 0.279 | 0.2 | 0.768 |
| 5G Wi-Fi | 5180-5240 | 18.0 | 2.47 | 0.32 | 18.32 | 0.068 | 0.2 | 0.768 |
| | 5260-5320 | 18.0 | 2.47 | 0.32 | 18.32 | 0.068 | 0.2 | 0.768 |
| | 5500-5700 | 16.0 | 2.47 | 0.32 | 16.32 | 0.043 | 0.2 | 0.768 |
| | 5745-5825 | 18.0 | 2.47 | 0.32 | 18.32 | 0.068 | 0.2 | 0.768 |

Note: 1. The tune up conducted power and antenna gain was declared by the applicant.
2. The 2.4GHz Wi-Fi/5GHz Wi-Fi cannot Simultaneous transmitting

Note: the Module YL43455 and Module D845 cannot transmit at same time.

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

**Result: Compliant.**

# FCC §15.203 – ANTENNA REQUIREMENT

## Applicable Standard

According to § 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 user of a standard antenna jack or electrical connector is prohibited.
The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

a. Antenna must be permanently attached to the unit.
b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.
And according to FCC 47 CFR section 15.407 (a), if the transmitting antennas of directional gain greater than 6dBi are used, the transmit power and power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

## Antenna Connector Construction

The EUT have three integral antenna which was permanently attached to the unit for Wi-Fi, one for module YL43455, two for module D845, both the antenna gain is 2.47dBi, please refer to the EUT photos.

| ANT | Antenna Type | Antenna Gain | Impedance | Frequency Range |
|---|---|---|---|---|
| YL43455 Wi-Fi ANT | FPC | 2.47dBi | 50 Ω | 5150-5850MHz |
| D845 Wi-Fi ANT0 | FPC | 2.47dBi | 50 Ω | 5150-5850MHz |
| D845 Wi-Fi ANT1 | FPC | 2.47dBi | 50 Ω | 5150-5850MHz |

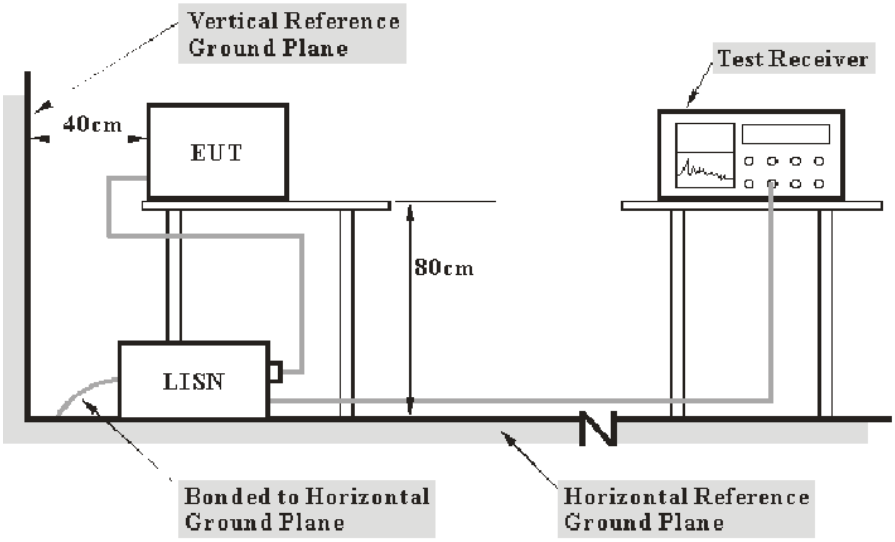
**Result:** Compliant.

# FCC §15.407 (b) (6) §15.207 (a) – CONDUCTED EMISSIONS

## Applicable Standard

FCC §15.207, §15.407(b) (6)

## 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 C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207limits.

The spacing between the peripherals was 10cm.

## EMI Test Receiver Setup

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

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

| Frequency Range | IF B/W |
|---|---|
| 150 kHz – 30MHz | 9 kHz |

## Test Procedure

During the conducted emission test, the adapter was connected to the 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.

## Transd Factor & Margin Calculation

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

Factor = LISN VDF + Cable Loss

The "**Over limit**" column of the following data tables indicates the degree of compliance with the applicablelimit. For example, an Over limit of -7dB means the emission is 7 dB below the limit. The equation forcalculation is as follows:

Over Limit = Level – Limit
Level = Read Level + Factor

## Test Data

### Environmental Conditions

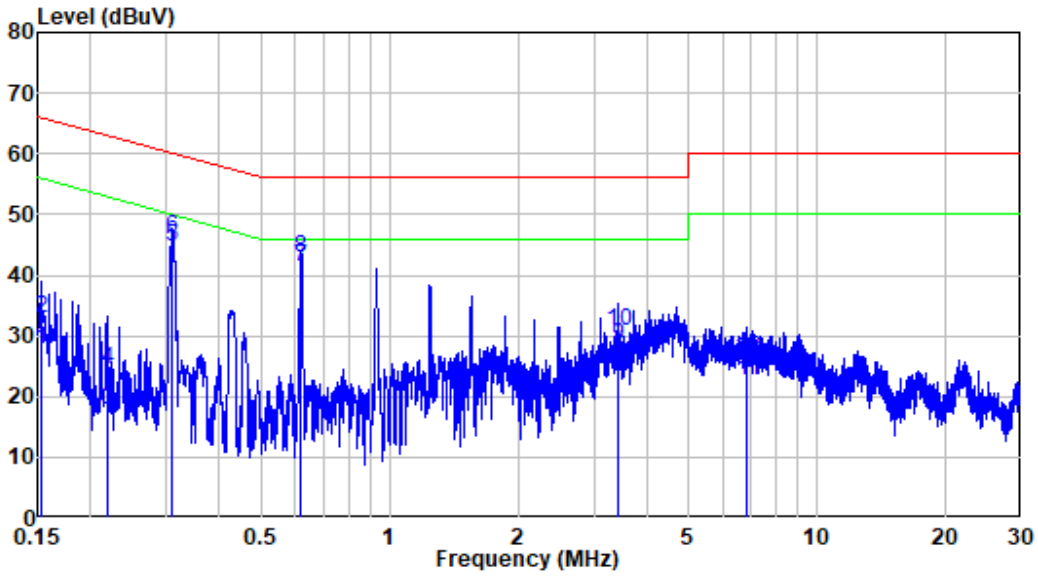
| | |
|---|---|
| **Temperature:** | 24℃ |
| **Relative Humidity:** | 50% |
| **ATM Pressure:** | 101.0 kPa |

*The testing was performed by JasonLiu On 2022-11-09.*

*EUT operation mode: Transmitting (worst case is 802.11a, 5180MHz)*

For module: YL43455

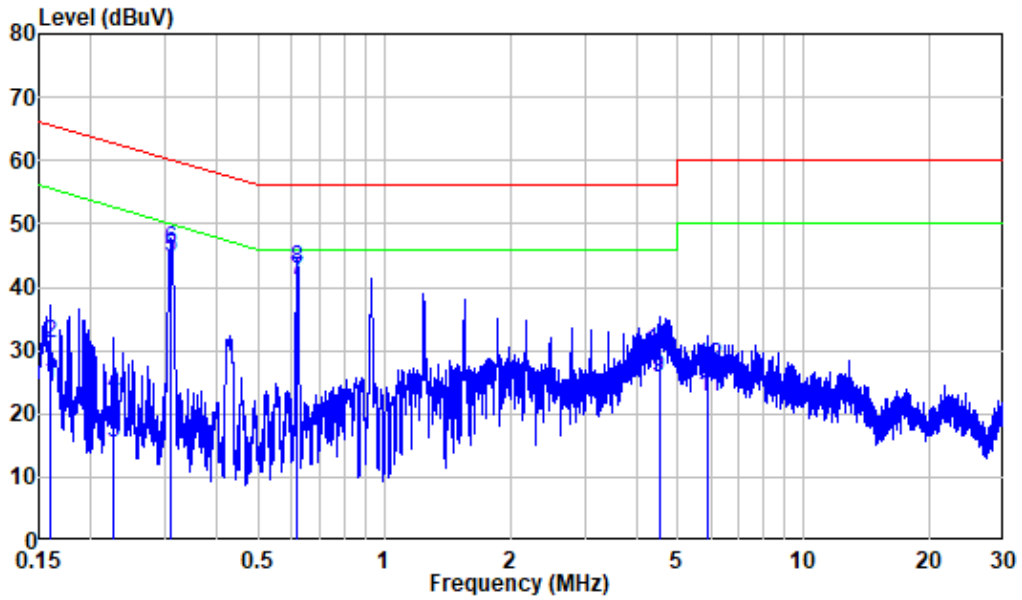
**AC 120V/60 Hz, Line:**




Site : Shielding Room
Condition: Line
Job No. : SZNS220511-19758E-RF
Mode : 5G WIFI
Power : AC 120V 60Hz

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|
| | MHz | dB | dBuV | dBuV | dBuV | dB | |
| 1 | 0.153 | 9.80 | 17.83 | 27.63 | 55.86 | -28.23 | Average |
| 2 | 0.153 | 9.80 | 23.26 | 33.06 | 65.86 | -32.80 | QP |
| 3 | 0.218 | 9.80 | 8.05 | 17.85 | 52.90 | -35.05 | Average |
| 4 | 0.218 | 9.80 | 14.58 | 24.38 | 62.90 | -38.52 | QP |
| 5 | 0.310 | 9.80 | 34.99 | 44.79 | 49.97 | -5.18 | Average |
| 6 | 0.310 | 9.80 | 36.53 | 46.33 | 59.97 | -13.64 | QP |
| 7 | 0.621 | 9.81 | 31.45 | 41.26 | 46.00 | -4.74 | Average |
| 8 | 0.621 | 9.81 | 33.19 | 43.00 | 56.00 | -13.00 | QP |
| 9 | 3.413 | 9.83 | 18.54 | 28.37 | 46.00 | -17.63 | Average |
| 10 | 3.413 | 9.83 | 20.91 | 30.74 | 56.00 | -25.26 | QP |
| 11 | 6.868 | 9.87 | 12.87 | 22.74 | 50.00 | -27.26 | Average |
| 12 | 6.868 | 9.87 | 16.38 | 26.25 | 60.00 | -33.75 | QP |

**AC 120V/60 Hz, Neutral:**

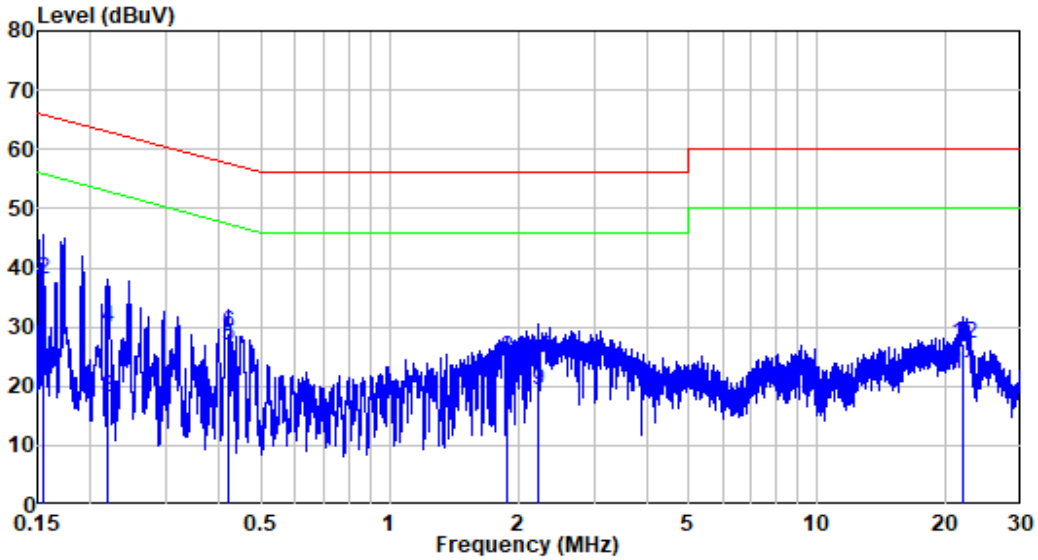



Site : Shielding Room
Condition: Neutral
Job No. : SZNS220511-19758E-RF
Mode : 5G WIFI
Power : AC 120V 60Hz

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|
| | MHz | dB | dBuV | dBuV | dBuV | dB | |
| 1 | 0.160 | 9.80 | 14.96 | 24.76 | 55.46 | -30.70 | Average |
| 2 | 0.160 | 9.80 | 21.25 | 31.05 | 65.46 | -34.41 | QP |
| 3 | 0.227 | 9.80 | 5.60 | 15.40 | 52.57 | -37.17 | Average |
| 4 | 0.227 | 9.80 | 13.15 | 22.95 | 62.57 | -39.62 | QP |
| 5 | 0.310 | 9.80 | 34.74 | 44.54 | 49.97 | -5.43 | Average |
| 6 | 0.310 | 9.80 | 36.21 | 46.01 | 59.97 | -13.96 | QP |
| 7 | 0.619 | 9.81 | 31.18 | 40.99 | 46.00 | -5.01 | Average |
| 8 | 0.619 | 9.81 | 32.97 | 42.78 | 56.00 | -13.22 | QP |
| 9 | 4.516 | 9.87 | 15.76 | 25.63 | 46.00 | -20.37 | Average |
| 10 | 4.516 | 9.87 | 19.92 | 29.79 | 56.00 | -26.21 | QP |
| 11 | 5.918 | 9.93 | 12.60 | 22.53 | 50.00 | -27.47 | Average |
| 12 | 5.918 | 9.93 | 17.53 | 27.46 | 60.00 | -32.54 | QP |

**For module: D845**

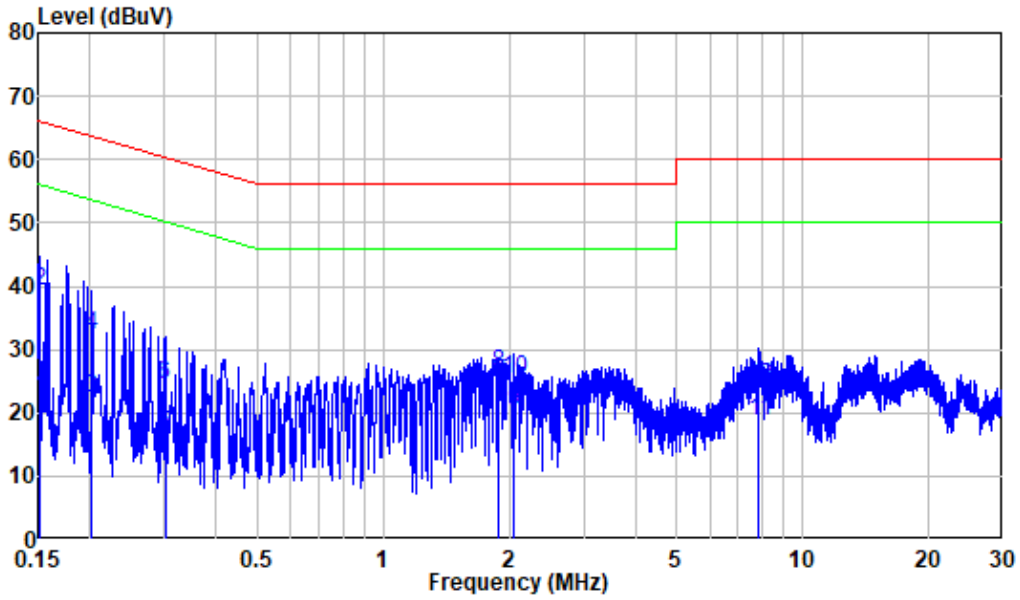
**AC 120V/60 Hz, Line:**




Site : Shielding Room
Condition: Line
Job No. : SZNS220511-19758E-RF
Mode : 5G WIFI
Power : AC 120V 60Hz

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|
| | MHz | dB | dBuV | dBuV | dBuV | dB | |
| 1 | 0.155 | 9.80 | 14.63 | 24.43 | 55.72 | -31.29 | Average |
| 2 | 0.155 | 9.80 | 28.24 | 38.04 | 65.72 | -27.68 | QP |
| 3 | 0.218 | 9.80 | 8.32 | 18.12 | 52.90 | -34.78 | Average |
| 4 | 0.218 | 9.80 | 20.06 | 29.86 | 62.90 | -33.04 | QP |
| 5 | 0.421 | 9.80 | 17.02 | 26.82 | 47.44 | -20.62 | Average |
| 6 | 0.421 | 9.80 | 19.23 | 29.03 | 57.44 | -28.41 | QP |
| 7 | 1.882 | 9.82 | 12.31 | 22.13 | 46.00 | -23.87 | Average |
| 8 | 1.882 | 9.82 | 14.88 | 24.70 | 56.00 | -31.30 | QP |
| 9 | 2.234 | 9.82 | 9.49 | 19.31 | 46.00 | -26.69 | Average |
| 10 | 2.234 | 9.82 | 14.80 | 24.62 | 56.00 | -31.38 | QP |
| 11 | 21.917 | 10.02 | 12.14 | 22.16 | 50.00 | -27.84 | Average |
| 12 | 21.917 | 10.02 | 17.24 | 27.26 | 60.00 | -32.74 | QP |

**AC 120V/60 Hz, Neutral:**




Site : Shielding Room
Condition: Neutral
Job No. : SZNS220511-19758E-RF
Mode : 5G WIFI
Power : AC 120V 60Hz

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|
| | MHz | dB | dBuV | dBuV | dBuV | dB | |
| 1 | 0.151 | 9.80 | 12.50 | 22.30 | 55.94 | -33.64 | Average |
| 2 | 0.151 | 9.80 | 29.30 | 39.10 | 65.94 | -26.84 | QP |
| 3 | 0.202 | 9.80 | 12.61 | 22.41 | 53.54 | -31.13 | Average |
| 4 | 0.202 | 9.80 | 22.63 | 32.43 | 63.54 | -31.11 | QP |
| 5 | 0.301 | 9.80 | 6.88 | 16.68 | 50.20 | -33.52 | Average |
| 6 | 0.301 | 9.80 | 14.57 | 24.37 | 60.20 | -35.83 | QP |
| 7 | 1.878 | 9.82 | 14.90 | 24.72 | 46.00 | -21.28 | Average |
| 8 | 1.878 | 9.82 | 16.59 | 26.41 | 56.00 | -29.59 | QP |
| 9 | 2.047 | 9.82 | 10.30 | 20.12 | 46.00 | -25.88 | Average |
| 10 | 2.047 | 9.82 | 15.47 | 25.29 | 56.00 | -30.71 | QP |
| 11 | 7.857 | 9.98 | 8.79 | 18.77 | 50.00 | -31.23 | Average |
| 12 | 7.857 | 9.98 | 14.18 | 24.16 | 60.00 | -35.84 | QP |

# §15.205& §15.209&§15.407(B)– UNDESIRABLE EMISSION

## Applicable Standard

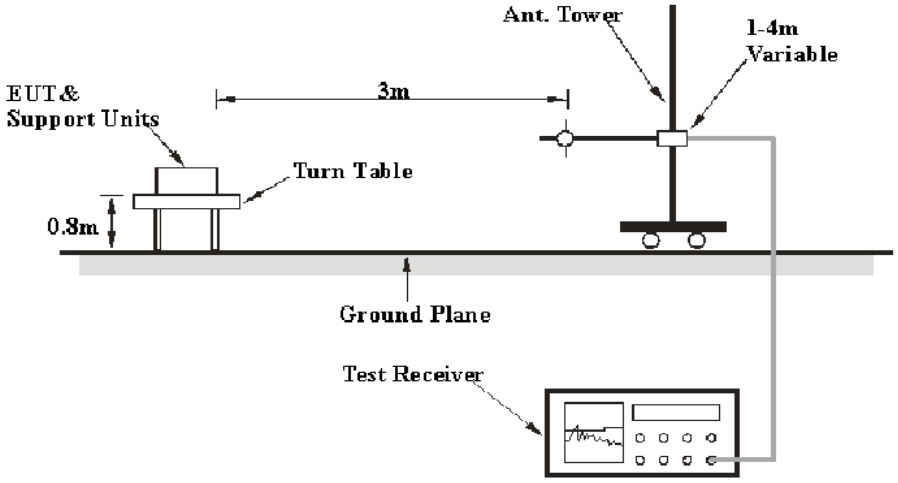
FCC §15.407 (b); §15.209;§15.205;

(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.

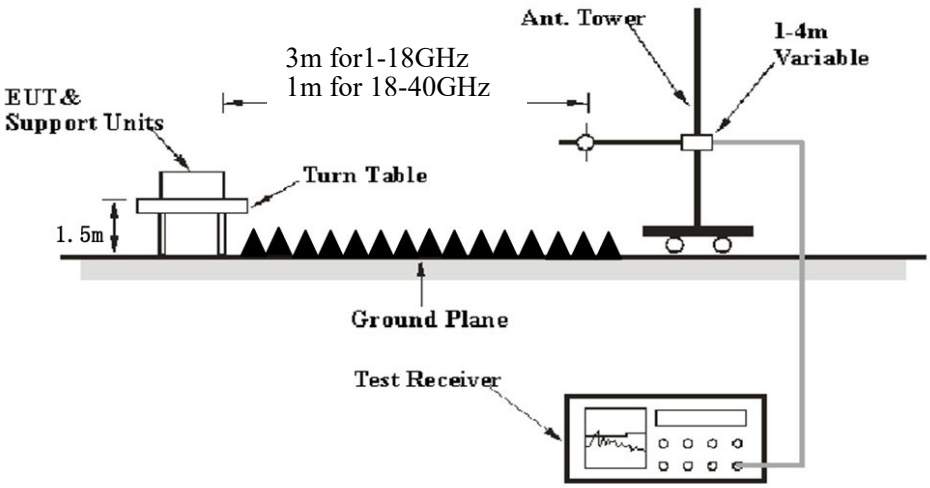
Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

## EUT Setup

**Below 1 GHz:**



**Above 1GHz:**




The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC 15.209and FCC 15.407limits.

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

## EMI Test Receiver& Spectrum Analyzer Setup

The system was investigatedfrom 30 MHz to 40 GHz.

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

| Frequency Range | RBW | Video B/W | IF B/W | Measurement |
|---|---|---|---|---|
| 30MHz – 1000 MHz | 100 kHz | 300 kHz | 120kHz | QP |
| Above 1 GHz | 1MHz | 3 MHz | / | PK |
| | 1MHz | 10 Hz[Note 1] | / | Average |
| | 1MHz | ＞1/T [Note 2] | / | Average |

Note 1: when duty cycle is no less than 98%
Note 2: when duty cycle is less than 98%

## 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.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1GHz, peak and Average detection modes for frequencies above 1GHz.

According to ANSI C63.10-2013,9.4: For field strength measurements made at other than the distance at which the applicable limit is specified,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). In some cases, a different distance correction factor may be required;

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

where

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

So the extrapolation factor of 1m is 20*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& 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:

Factor = Antenna Factor + Cable Loss - 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:

Over Limit/Margin = Level / Corrected Amplitude–Limit
Level / Corrected Amplitude = Read Level + Factor

## Test Data

### Environmental Conditions

| | |
|---|---|
| **Temperature:** | 25~26.8℃ |
| **Relative Humidity:** | 52~60% |
| **ATM Pressure:** | 101.2 kPa |

*The testing was performed by Level Li on 2022-11-09 for below 1GHz, 2022-06-07 to 2022-06-17 for above 1GHz.*

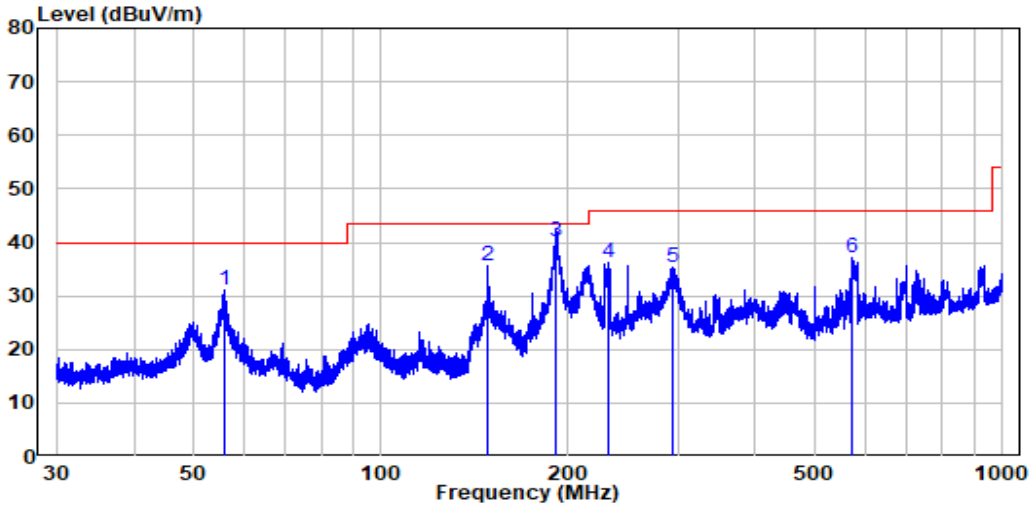
*EUT operation mode: Transmitting (Pre-scan in the X,Y and Z axes of orientation, the worst case X-axes of orientation was recorded)*

*For module: YL43455*

**30 MHz – 1 GHz:** *(worst case is 802.11a, 5180MHz)*

*Note: When the test result of peak was less than the limit of QP more than 6dB, just peak value were recorded.*

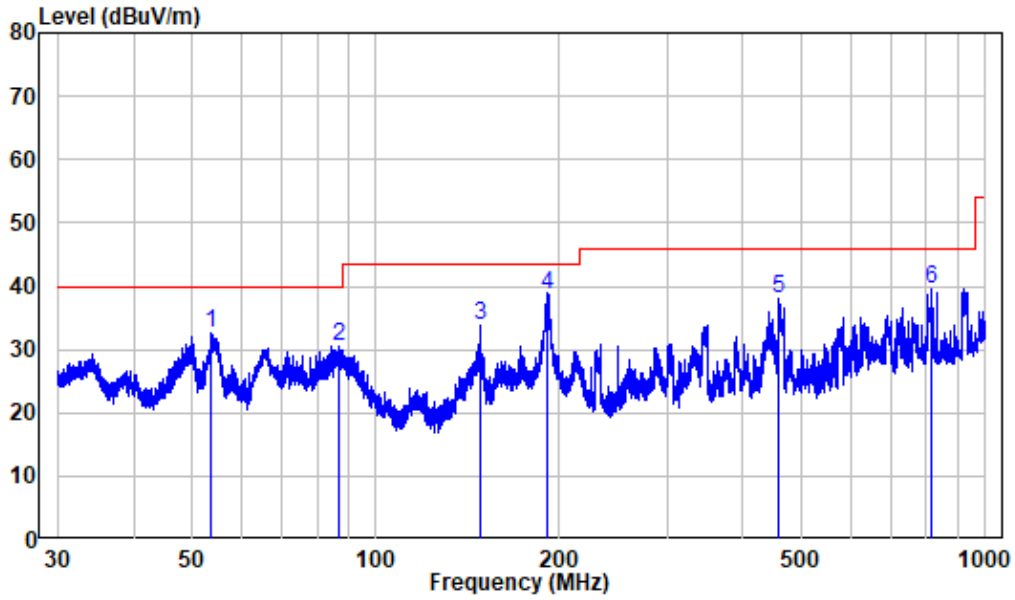
Horizontal




Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZNS220511-19758E-RF
Test Mode: 5G WIFI

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 56.001 | -10.18 | 41.22 | 31.04 | 40.00 | -8.96 | Peak |
| 2 | 148.506 | -15.35 | 50.94 | 35.59 | 43.50 | -7.91 | Peak |
| 3 | 190.990 | -11.41 | 51.69 | 40.28 | 43.50 | -3.22 | QP |
| 4 | 232.532 | -11.03 | 47.14 | 36.11 | 46.00 | -9.89 | Peak |
| 5 | 295.018 | -9.27 | 44.63 | 35.36 | 46.00 | -10.64 | Peak |
| 6 | 573.368 | -3.82 | 40.93 | 37.11 | 46.00 | -8.89 | Peak |

Vertical




Site : chamber
Condition: 3m VERTICAL
Job No. : SZNS220511-19758E-RF
Test Mode: 5G WIFI

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 53.670 | -10.28 | 42.89 | 32.61 | 40.00 | -7.39 | Peak |
| 2 | 86.655 | -14.99 | 45.52 | 30.53 | 40.00 | -9.47 | Peak |
| 3 | 148.506 | -15.35 | 49.09 | 33.74 | 43.50 | -9.76 | Peak |
| 4 | 191.158 | -11.39 | 50.00 | 38.61 | 43.50 | -4.89 | QP |
| 5 | 459.114 | -5.43 | 43.37 | 37.94 | 46.00 | -8.06 | Peak |
| 6 | 816.684 | -0.14 | 39.77 | 39.63 | 46.00 | -6.37 | Peak |

**Above 1GHz:**

**5150-5250 MHz:**

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11a | | | | | | | | | |
| 5180 MHZ | | | | | | | | | |
| 4500 | 62.80 | PK | 93 | 1.7 | H | -4.72 | 58.08 | 74 | -15.92 |
| 4500 | 50.13 | AV | 93 | 1.7 | H | -4.72 | 45.41 | 54 | -8.59 |
| 4500 | 62.71 | PK | 270 | 1.5 | V | -4.72 | 57.99 | 74 | -16.01 |
| 4500 | 50.04 | AV | 270 | 1.5 | V | -4.72 | 45.32 | 54 | -8.68 |
| 5150 | 70.79 | PK | 232 | 1.8 | H | -2.73 | 68.06 | 74 | -5.94 |
| 5150 | 55.12 | AV | 232 | 1.8 | H | -2.73 | 52.39 | 54 | -1.61 |
| 5150 | 69.15 | PK | 347 | 1.2 | V | -2.73 | 66.42 | 74 | -7.58 |
| 5150 | 54.41 | AV | 347 | 1.2 | V | -2.73 | 51.68 | 54 | -2.32 |
| 10360 | 41.19 | PK | 130 | 1.2 | H | 8.12 | 49.31 | 68.2 | -18.89 |
| 10360 | 41.40 | PK | 311 | 1.2 | V | 8.12 | 49.52 | 68.2 | -18.68 |
| 5200 MHZ | | | | | | | | | |
| 10400 | 41.19 | PK | 312 | 1.4 | H | 8.24 | 49.43 | 68.2 | -18.77 |
| 10400 | 41.50 | PK | 219 | 1.4 | V | 8.24 | 49.74 | 68.2 | -18.46 |
| 5240 MHZ | | | | | | | | | |
| 5350 | 64.74 | PK | 291 | 1.1 | H | -2.33 | 62.41 | 74 | -11.59 |
| 5350 | 50.88 | AV | 291 | 1.1 | H | -2.33 | 48.55 | 54 | -5.45 |
| 5350 | 64.61 | PK | 277 | 1.7 | V | -2.33 | 62.28 | 74 | -11.72 |
| 5350 | 50.84 | AV | 277 | 1.7 | V | -2.33 | 48.51 | 54 | -5.49 |
| 5460 | 63.48 | PK | 36 | 1.1 | H | -2.26 | 61.22 | 74 | -12.78 |
| 5460 | 50.96 | AV | 36 | 1.1 | H | -2.26 | 48.70 | 54 | -5.30 |
| 5460 | 63.37 | PK | 200 | 2.4 | V | -2.26 | 61.11 | 74 | -12.89 |
| 5460 | 50.91 | AV | 200 | 2.4 | V | -2.26 | 48.65 | 54 | -5.35 |
| 10480 | 40.88 | PK | 66 | 1.4 | H | 8.56 | 49.44 | 68.2 | -18.76 |
| 10480 | 41.06 | PK | 126 | 1.4 | V | 8.56 | 49.62 | 68.2 | -18.58 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11n20 | | | | | | | | | |
| 5180 MHZ | | | | | | | | | |
| 4500 | 62.69 | PK | 88 | 1.5 | H | -4.72 | 57.97 | 74 | -16.03 |
| 4500 | 50.23 | AV | 88 | 1.5 | H | -4.72 | 45.51 | 54 | -8.49 |
| 4500 | 62.60 | PK | 28 | 1.3 | V | -4.72 | 57.88 | 74 | -16.12 |
| 4500 | 50.15 | AV | 28 | 1.3 | V | -4.72 | 45.43 | 54 | -8.57 |
| 5150 | 69.74 | PK | 306 | 1.8 | H | -2.73 | 67.01 | 74 | -6.99 |
| 5150 | 53.29 | AV | 306 | 1.8 | H | -2.73 | 50.56 | 54 | -3.44 |
| 5150 | 65.65 | PK | 311 | 1.6 | V | -2.73 | 62.92 | 74 | -11.08 |
| 5150 | 52.27 | AV | 311 | 1.6 | V | -2.73 | 49.54 | 54 | -4.46 |
| 10360 | 41.16 | PK | 153 | 1.1 | H | 8.12 | 49.28 | 68.2 | -18.92 |
| 10360 | 41.34 | PK | 304 | 1.1 | V | 8.12 | 49.46 | 68.2 | -18.74 |
| 5200 MHZ | | | | | | | | | |
| 10400 | 41.35 | PK | 304 | 1.9 | H | 8.24 | 49.59 | 68.2 | -18.61 |
| 10400 | 41.56 | PK | 63 | 1.9 | V | 8.24 | 49.8 | 68.2 | -18.40 |
| 5240 MHZ | | | | | | | | | |
| 5350 | 64.56 | PK | 232 | 1.1 | H | -2.33 | 62.23 | 74 | -11.77 |
| 5350 | 50.91 | AV | 232 | 1.1 | H | -2.33 | 48.58 | 54 | -5.42 |
| 5350 | 64.44 | PK | 304 | 1.8 | V | -2.33 | 62.11 | 74 | -11.89 |
| 5350 | 50.83 | AV | 304 | 1.8 | V | -2.33 | 48.50 | 54 | -5.50 |
| 5460 | 63.28 | PK | 61 | 2.3 | H | -2.26 | 61.02 | 74 | -12.98 |
| 5460 | 50.86 | AV | 61 | 2.3 | H | -2.26 | 48.60 | 54 | -5.40 |
| 5460 | 63.19 | PK | 248 | 1.6 | V | -2.26 | 60.93 | 74 | -13.07 |
| 5460 | 50.78 | AV | 248 | 1.6 | V | -2.26 | 48.52 | 54 | -5.48 |
| 10480 | 40.88 | PK | 212 | 1.9 | H | 8.56 | 49.44 | 68.2 | -18.76 |
| 10480 | 41.05 | PK | 139 | 1.9 | V | 8.56 | 49.61 | 68.2 | -18.59 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11N40 | | | | | | | | | |
| 5190 MHZ | | | | | | | | | |
| 4500 | 62.92 | PK | 136 | 1.3 | H | -4.72 | 58.20 | 74 | -15.80 |
| 4500 | 50.47 | AV | 136 | 1.3 | H | -4.72 | 45.75 | 54 | -8.25 |
| 4500 | 62.81 | PK | 20 | 1.5 | V | -4.72 | 58.09 | 74 | -15.91 |
| 4500 | 50.42 | AV | 20 | 1.5 | V | -4.72 | 45.70 | 54 | -8.30 |
| 5150 | 67.72 | PK | 35 | 2.3 | H | -2.73 | 64.99 | 74 | -9.01 |
| 5150 | 54.75 | AV | 35 | 2.3 | H | -2.73 | 52.02 | 54 | -1.98 |
| 5150 | 65.77 | PK | 191 | 1.2 | V | -2.73 | 63.04 | 74 | -10.96 |
| 5150 | 53.71 | AV | 191 | 1.2 | V | -2.73 | 50.98 | 54 | -3.02 |
| 10380 | 40.66 | PK | 341 | 1.3 | H | 8.18 | 48.84 | 68.2 | -19.36 |
| 10380 | 40.85 | PK | 150 | 1.3 | V | 8.18 | 49.03 | 68.2 | -19.17 |
| 5230 MHZ | | | | | | | | | |
| 5350 | 64.64 | PK | 14 | 1.8 | H | -2.33 | 62.31 | 74 | -11.69 |
| 5350 | 51.25 | AV | 14 | 1.8 | H | -2.33 | 48.92 | 54 | -5.08 |
| 5350 | 64.53 | PK | 143 | 1.5 | V | -2.33 | 62.20 | 74 | -11.80 |
| 5350 | 51.19 | AV | 143 | 1.5 | V | -2.33 | 48.86 | 54 | -5.14 |
| 5460 | 63.31 | PK | 193 | 2.3 | H | -2.26 | 61.05 | 74 | -12.95 |
| 5460 | 51.32 | AV | 193 | 2.3 | H | -2.26 | 49.06 | 54 | -4.94 |
| 5460 | 63.25 | PK | 159 | 2.5 | V | -2.26 | 60.99 | 74 | -13.01 |
| 5460 | 51.24 | AV | 159 | 2.5 | V | -2.26 | 48.98 | 54 | -5.02 |
| 10460 | 40.42 | PK | 54 | 2.4 | H | 8.47 | 48.89 | 68.2 | -19.31 |
| 10460 | 40.63 | PK | 78 | 2.4 | V | 8.47 | 49.10 | 68.2 | -19.10 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC20 | | | | | | | | | |
| 5180 MHz | | | | | | | | | |
| 4500 | 63.01 | PK | 349 | 1.4 | H | -4.72 | 58.29 | 74 | -15.71 |
| 4500 | 50.24 | AV | 349 | 1.4 | H | -4.72 | 45.52 | 54 | -8.48 |
| 4500 | 62.89 | PK | 333 | 1.3 | V | -4.72 | 58.17 | 74 | -15.83 |
| 4500 | 50.15 | AV | 333 | 1.3 | V | -4.72 | 45.43 | 54 | -8.57 |
| 5150 | 69.17 | PK | 276 | 1.4 | H | -2.73 | 66.44 | 74 | -7.56 |
| 5150 | 52.90 | AV | 276 | 1.4 | H | -2.73 | 50.17 | 54 | -3.83 |
| 5150 | 66.28 | PK | 237 | 2 | V | -2.73 | 63.55 | 74 | -10.45 |
| 5150 | 52.22 | AV | 237 | 2 | V | -2.73 | 49.49 | 54 | -4.51 |
| 10360 | 41.05 | PK | 14 | 2.2 | H | 8.12 | 49.17 | 68.2 | -19.03 |
| 10360 | 41.18 | PK | 92 | 2.2 | V | 8.12 | 49.30 | 68.2 | -18.90 |
| 5200 MHz | | | | | | | | | |
| 10400 | 41.19 | PK | 47 | 2 | H | 8.24 | 49.43 | 68.2 | -18.77 |
| 10400 | 41.41 | PK | 251 | 2 | V | 8.24 | 49.65 | 68.2 | -18.55 |
| 5240 MHz | | | | | | | | | |
| 5350 | 64.70 | PK | 205 | 2.4 | H | -2.33 | 62.37 | 74 | -11.63 |
| 5350 | 50.96 | AV | 205 | 2.4 | H | -2.33 | 48.63 | 54 | -5.37 |
| 5350 | 64.58 | PK | 123 | 1.3 | V | -2.33 | 62.25 | 74 | -11.75 |
| 5350 | 50.87 | AV | 123 | 1.3 | V | -2.33 | 48.54 | 54 | -5.46 |
| 5460 | 63.36 | PK | 277 | 1.6 | H | -2.26 | 61.10 | 74 | -12.90 |
| 5460 | 50.82 | AV | 277 | 1.6 | H | -2.26 | 48.56 | 54 | -5.44 |
| 5460 | 63.27 | PK | 247 | 1.5 | V | -2.26 | 61.01 | 74 | -12.99 |
| 5460 | 50.71 | AV | 247 | 1.5 | V | -2.26 | 48.45 | 54 | -5.55 |
| 10480 | 40.85 | PK | 202 | 1.5 | H | 8.56 | 49.41 | 68.2 | -18.79 |
| 10480 | 41.06 | PK | 222 | 1.5 | V | 8.56 | 49.62 | 68.2 | -18.58 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC40 | | | | | | | | | |
| 5190 MHz | | | | | | | | | |
| 4500 | 63.04 | PK | 131 | 1.9 | H | -4.72 | 58.32 | 74 | -15.68 |
| 4500 | 50.58 | AV | 131 | 1.9 | H | -4.72 | 45.86 | 54 | -8.14 |
| 4500 | 62.95 | PK | 148 | 1.8 | V | -4.72 | 58.23 | 74 | -15.77 |
| 4500 | 50.49 | AV | 148 | 1.8 | V | -4.72 | 45.77 | 54 | -8.23 |
| 5150 | 68.47 | PK | 351 | 2.1 | H | -2.73 | 65.74 | 74 | -8.26 |
| 5150 | 54.98 | AV | 351 | 2.1 | H | -2.73 | 52.25 | 54 | -1.75 |
| 5150 | 66.30 | PK | 279 | 2.4 | V | -2.73 | 63.57 | 74 | -10.43 |
| 5150 | 53.64 | AV | 279 | 2.4 | V | -2.73 | 50.91 | 54 | -3.09 |
| 10380 | 40.86 | PK | 231 | 2.3 | H | 8.18 | 49.04 | 68.2 | -19.16 |
| 10380 | 41.01 | PK | 175 | 2.3 | V | 8.18 | 49.19 | 68.2 | -19.01 |
| 5230 MHz | | | | | | | | | |
| 5350 | 64.79 | PK | 349 | 1.3 | H | -2.33 | 62.46 | 74 | -11.54 |
| 5350 | 51.36 | AV | 349 | 1.3 | H | -2.33 | 49.03 | 54 | -4.97 |
| 5350 | 64.68 | PK | 211 | 2.5 | V | -2.33 | 62.35 | 74 | -11.65 |
| 5350 | 51.27 | AV | 211 | 2.5 | V | -2.33 | 48.94 | 54 | -5.06 |
| 5460 | 63.45 | PK | 319 | 1 | H | -2.26 | 61.19 | 74 | -12.81 |
| 5460 | 51.28 | AV | 319 | 1 | H | -2.26 | 49.02 | 54 | -4.98 |
| 5460 | 63.36 | PK | 253 | 1.6 | V | -2.26 | 61.10 | 74 | -12.90 |
| 5460 | 51.19 | AV | 253 | 1.6 | V | -2.26 | 48.93 | 54 | -5.07 |
| 10460 | 40.50 | PK | 186 | 1.1 | H | 8.47 | 48.97 | 68.2 | -19.23 |
| 10460 | 40.73 | PK | 97 | 1.1 | V | 8.47 | 49.20 | 68.2 | -19.00 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC80 | | | | | | | | | |
| 5210MHz | | | | | | | | | |
| 4500 | 63.10 | PK | 177 | 1.7 | H | -4.72 | 58.38 | 74 | -15.62 |
| 4500 | 50.99 | AV | 177 | 1.7 | H | -4.72 | 46.27 | 54 | -7.73 |
| 4500 | 63.01 | PK | 277 | 1.1 | V | -4.72 | 58.29 | 74 | -15.71 |
| 4500 | 50.92 | AV | 277 | 1.1 | V | -4.72 | 46.20 | 54 | -7.80 |
| 5150 | 66.78 | PK | 86 | 1.7 | H | -2.73 | 64.05 | 74 | -9.95 |
| 5150 | 54.40 | AV | 86 | 1.7 | H | -2.73 | 51.67 | 54 | -2.33 |
| 5150 | 65.15 | PK | 29 | 2.3 | V | -2.73 | 62.42 | 74 | -11.58 |
| 5150 | 54.12 | AV | 29 | 2.3 | V | -2.73 | 51.39 | 54 | -2.61 |
| 5350 | 65.00 | PK | 354 | 2 | H | -2.33 | 62.67 | 74 | -11.33 |
| 5350 | 51.81 | AV | 354 | 2 | H | -2.33 | 49.48 | 54 | -4.52 |
| 5350 | 64.85 | PK | 293 | 1.9 | V | -2.33 | 62.52 | 74 | -11.48 |
| 5350 | 51.73 | AV | 293 | 1.9 | V | -2.33 | 49.40 | 54 | -4.60 |
| 5460 | 63.58 | PK | 281 | 1.4 | H | -2.26 | 61.32 | 74 | -12.68 |
| 5460 | 51.67 | AV | 281 | 1.4 | H | -2.26 | 49.41 | 54 | -4.59 |
| 5460 | 63.46 | PK | 244 | 2.2 | V | -2.26 | 61.20 | 74 | -12.80 |
| 5460 | 51.59 | AV | 244 | 2.2 | V | -2.26 | 49.33 | 54 | -4.67 |
| 10420 | 40.48 | PK | 351 | 1.6 | H | 8.32 | 48.80 | 68.2 | -19.40 |
| 10420 | 40.73 | PK | 16 | 1.6 | V | 8.32 | 49.05 | 68.2 | -19.15 |

**5250– 5350 MHz:**

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11a | | | | | | | | | |
| 5260MHz | | | | | | | | | |
| 4500 | 62.95 | PK | 350 | 1.5 | H | -4.72 | 58.23 | 74 | -15.77 |
| 4500 | 50.19 | AV | 350 | 1.5 | H | -4.72 | 45.47 | 54 | -8.53 |
| 4500 | 62.84 | PK | 142 | 2.1 | V | -4.72 | 58.12 | 74 | -15.88 |
| 4500 | 50.11 | AV | 142 | 2.1 | V | -4.72 | 45.39 | 54 | -8.61 |
| 5150 | 64.09 | PK | 110 | 1.2 | H | -2.73 | 61.36 | 74 | -12.64 |
| 5150 | 50.45 | AV | 110 | 1.2 | H | -2.73 | 47.72 | 54 | -6.28 |
| 5150 | 64.00 | PK | 300 | 2.5 | V | -2.73 | 61.27 | 74 | -12.73 |
| 5150 | 50.36 | AV | 300 | 2.5 | V | -2.73 | 47.63 | 54 | -6.37 |
| 10520 | 40.27 | PK | 249 | 1.7 | H | 8.65 | 48.92 | 68.2 | -19.28 |
| 10520 | 40.46 | PK | 331 | 1.7 | V | 8.65 | 49.11 | 68.2 | -19.09 |
| 5280 MHZ | | | | | | | | | |
| 10560 | 41.17 | PK | 249 | 1.1 | H | 8.69 | 49.86 | 68.2 | -18.34 |
| 10560 | 41.40 | PK | 110 | 1.1 | V | 8.69 | 50.09 | 68.2 | -18.11 |
| 5320 MHZ | | | | | | | | | |
| 5350 | 70.48 | PK | 182 | 1.5 | H | -2.33 | 68.15 | 74 | -5.85 |
| 5350 | 53.84 | AV | 182 | 1.5 | H | -2.33 | 51.51 | 54 | -2.49 |
| 5350 | 69.15 | PK | 186 | 1.7 | V | -2.33 | 66.82 | 74 | -7.18 |
| 5350 | 53.30 | AV | 186 | 1.7 | V | -2.33 | 50.97 | 54 | -3.03 |
| 5460 | 63.60 | PK | 8 | 1.7 | H | -2.26 | 61.34 | 74 | -12.66 |
| 5460 | 51.17 | AV | 8 | 1.7 | H | -2.26 | 48.91 | 54 | -5.09 |
| 5460 | 63.49 | PK | 343 | 1.7 | V | -2.26 | 61.23 | 74 | -12.77 |
| 5460 | 51.08 | AV | 343 | 1.7 | V | -2.26 | 48.82 | 54 | -5.18 |
| 10640 | 41.25 | PK | 347 | 2.3 | H | 8.92 | 50.17 | 74 | -23.83 |
| 10640 | 41.46 | PK | 5 | 2.2 | V | 8.92 | 50.38 | 74 | -23.62 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11n20 | | | | | | | | | |
| 5260MHz | | | | | | | | | |
| 4500 | 63.01 | PK | 284 | 1.3 | H | -4.72 | 58.29 | 74 | -15.71 |
| 4500 | 50.25 | AV | 284 | 1.3 | H | -4.72 | 45.53 | 54 | -8.47 |
| 4500 | 62.92 | PK | 168 | 2 | V | -4.72 | 58.20 | 74 | -15.80 |
| 4500 | 50.14 | AV | 168 | 2 | V | -4.72 | 45.42 | 54 | -8.58 |
| 5150 | 64.17 | PK | 246 | 2.1 | H | -2.73 | 61.44 | 74 | -12.56 |
| 5150 | 50.54 | AV | 246 | 2.1 | H | -2.73 | 47.81 | 54 | -6.19 |
| 5150 | 64.06 | PK | 66 | 1.8 | V | -2.73 | 61.33 | 74 | -12.67 |
| 5150 | 50.45 | AV | 66 | 1.8 | V | -2.73 | 47.72 | 54 | -6.28 |
| 10520 | 40.42 | PK | 53 | 1 | H | 8.65 | 49.07 | 68.2 | -19.13 |
| 10520 | 40.65 | PK | 129 | 1 | V | 8.65 | 49.30 | 68.2 | -18.90 |
| 5280 MHZ | | | | | | | | | |
| 10560 | 41.26 | PK | 299 | 1.7 | H | 8.69 | 49.95 | 68.2 | -18.25 |
| 10560 | 41.47 | PK | 334 | 1.7 | V | 8.69 | 50.16 | 68.2 | -18.04 |
| 5320 MHZ | | | | | | | | | |
| 5350 | 68.06 | PK | 167 | 2.5 | H | -2.33 | 65.73 | 74 | -8.27 |
| 5350 | 52.31 | AV | 167 | 2.5 | H | -2.33 | 49.98 | 54 | -4.02 |
| 5350 | 66.04 | PK | 50 | 2.4 | V | -2.33 | 63.71 | 74 | -10.29 |
| 5350 | 51.73 | AV | 50 | 2.4 | V | -2.33 | 49.40 | 54 | -4.60 |
| 5460 | 63.38 | PK | 82 | 1.4 | H | -2.26 | 61.12 | 74 | -12.88 |
| 5460 | 51.09 | AV | 82 | 1.4 | H | -2.26 | 48.83 | 54 | -5.17 |
| 5460 | 63.30 | PK | 276 | 1.9 | V | -2.26 | 61.04 | 74 | -12.96 |
| 5460 | 50.96 | AV | 276 | 1.9 | V | -2.26 | 48.70 | 54 | -5.30 |
| 10640 | 41.27 | PK | 205 | 1.8 | H | 8.92 | 50.19 | 74 | -23.81 |
| 10640 | 41.53 | PK | 266 | 1.6 | V | 8.92 | 50.45 | 74 | -23.55 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11N40 | | | | | | | | | |
| 5270 MHZ | | | | | | | | | |
| 4500 | 62.98 | PK | 16 | 1.9 | H | -4.72 | 58.26 | 74 | -15.74 |
| 4500 | 50.51 | AV | 16 | 1.9 | H | -4.72 | 45.79 | 54 | -8.21 |
| 4500 | 62.89 | PK | 38 | 1.5 | V | -4.72 | 58.17 | 74 | -15.83 |
| 4500 | 50.42 | AV | 38 | 1.5 | V | -4.72 | 45.70 | 54 | -8.30 |
| 5150 | 64.34 | PK | 187 | 1.3 | H | -2.73 | 61.61 | 74 | -12.39 |
| 5150 | 50.89 | AV | 187 | 1.3 | H | -2.73 | 48.16 | 54 | -5.84 |
| 5150 | 64.25 | PK | 67 | 2.3 | V | -2.73 | 61.52 | 74 | -12.48 |
| 5150 | 50.80 | AV | 67 | 2.3 | V | -2.73 | 48.07 | 54 | -5.93 |
| 10540 | 40.64 | PK | 345 | 1.8 | H | 8.65 | 49.29 | 68.2 | -18.91 |
| 10540 | 41.03 | PK | 237 | 1.8 | V | 8.65 | 49.68 | 68.2 | -18.52 |
| 5310 MHZ | | | | | | | | | |
| 5350 | 73.05 | PK | 230 | 2 | H | -2.33 | 70.72 | 74 | -3.28 |
| 5350 | 54.48 | AV | 230 | 2 | H | -2.33 | 52.15 | 54 | -1.85 |
| 5350 | 71.27 | PK | 89 | 2.1 | V | -2.33 | 68.94 | 74 | -5.06 |
| 5350 | 53.64 | AV | 89 | 2.1 | V | -2.33 | 51.31 | 54 | -2.69 |
| 5460 | 63.70 | PK | 110 | 1.8 | H | -2.26 | 61.44 | 74 | -12.56 |
| 5460 | 51.38 | AV | 110 | 1.8 | H | -2.26 | 49.12 | 54 | -4.88 |
| 5460 | 63.57 | PK | 328 | 2.1 | V | -2.26 | 61.31 | 74 | -12.69 |
| 5460 | 51.31 | AV | 328 | 2.1 | V | -2.26 | 49.05 | 54 | -4.95 |
| 10620 | 41.49 | PK | 88 | 1.6 | H | 8.89 | 50.38 | 74 | -23.62 |
| 10620 | 41.74 | PK | 284 | 2.3 | V | 8.89 | 50.63 | 74 | -23.37 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC20 | | | | | | | | | |
| 5260 MHz | | | | | | | | | |
| 4500 | 63.08 | PK | 150 | 1.9 | H | -4.72 | 58.36 | 74 | -15.64 |
| 4500 | 50.29 | AV | 150 | 1.9 | H | -4.72 | 45.57 | 54 | -8.43 |
| 4500 | 62.97 | PK | 328 | 1.6 | V | -4.72 | 58.25 | 74 | -15.75 |
| 4500 | 50.20 | AV | 328 | 1.6 | V | -4.72 | 45.48 | 54 | -8.52 |
| 5150 | 64.32 | PK | 114 | 1.9 | H | -2.73 | 61.59 | 74 | -12.41 |
| 5150 | 50.61 | AV | 114 | 1.9 | H | -2.73 | 47.88 | 54 | -6.12 |
| 5150 | 64.20 | PK | 200 | 2.1 | V | -2.73 | 61.47 | 74 | -12.53 |
| 5150 | 50.52 | AV | 200 | 2.1 | V | -2.73 | 47.79 | 54 | -6.21 |
| 10520 | 40.55 | PK | 131 | 1.5 | H | 8.65 | 49.20 | 68.2 | -19.00 |
| 10520 | 40.74 | PK | 43 | 1.5 | V | 8.65 | 49.39 | 68.2 | -18.81 |
| 5280 MHz | | | | | | | | | |
| 10560 | 41.40 | PK | 9 | 2.3 | H | 8.69 | 50.09 | 68.2 | -18.11 |
| 10560 | 41.61 | PK | 136 | 2.3 | V | 8.69 | 50.3 | 68.2 | -17.90 |
| 5320 MHz | | | | | | | | | |
| 5350 | 69.24 | PK | 353 | 2 | H | -2.33 | 66.91 | 74 | -7.09 |
| 5350 | 52.46 | AV | 353 | 2 | H | -2.33 | 50.13 | 54 | -3.87 |
| 5350 | 67.37 | PK | 238 | 1.1 | V | -2.33 | 65.04 | 74 | -8.96 |
| 5350 | 51.88 | AV | 238 | 1.1 | V | -2.33 | 49.55 | 54 | -4.45 |
| 5460 | 63.51 | PK | 284 | 2.2 | H | -2.26 | 61.25 | 74 | -12.75 |
| 5460 | 51.20 | AV | 284 | 2.2 | H | -2.26 | 48.94 | 54 | -5.06 |
| 5460 | 63.42 | PK | 310 | 1.4 | V | -2.26 | 61.16 | 74 | -12.84 |
| 5460 | 51.11 | AV | 310 | 1.4 | V | -2.26 | 48.85 | 54 | -5.15 |
| 10640 | 41.44 | PK | 86 | 2.2 | H | 8.92 | 50.36 | 74 | -23.64 |
| 10640 | 41.72 | PK | 288 | 2.5 | V | 8.92 | 50.64 | 74 | -23.36 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC40 | | | | | | | | | |
| 5270 MHz | | | | | | | | | |
| 4500 | 63.12 | PK | 355 | 1.3 | H | -4.72 | 58.40 | 74 | -15.60 |
| 4500 | 50.60 | AV | 355 | 1.3 | H | -4.72 | 45.88 | 54 | -8.12 |
| 4500 | 63.01 | PK | 274 | 2.4 | V | -4.72 | 58.29 | 74 | -15.71 |
| 4500 | 50.49 | AV | 274 | 2.4 | V | -4.72 | 45.77 | 54 | -8.23 |
| 5150 | 64.41 | PK | 65 | 1.7 | H | -2.73 | 61.68 | 74 | -12.32 |
| 5150 | 50.94 | AV | 65 | 1.7 | H | -2.73 | 48.21 | 54 | -5.79 |
| 5150 | 64.32 | PK | 295 | 1.9 | V | -2.73 | 61.59 | 74 | -12.41 |
| 5150 | 50.88 | AV | 295 | 1.9 | V | -2.73 | 48.15 | 54 | -5.85 |
| 10540 | 40.76 | PK | 54 | 1.3 | H | 8.65 | 49.41 | 68.2 | -18.79 |
| 10540 | 41.08 | PK | 206 | 1.3 | V | 8.65 | 49.73 | 68.2 | -18.47 |
| 5310 MHz | | | | | | | | | |
| 5350 | 72.79 | PK | 109 | 2 | H | -2.33 | 70.46 | 74 | -3.54 |
| 5350 | 54.55 | AV | 109 | 2 | H | -2.33 | 52.22 | 54 | -1.78 |
| 5350 | 71.40 | PK | 168 | 1.6 | V | -2.33 | 69.07 | 74 | -4.93 |
| 5350 | 53.76 | AV | 168 | 1.6 | V | -2.33 | 51.43 | 54 | -2.57 |
| 5460 | 63.76 | PK | 188 | 1.8 | H | -2.26 | 61.50 | 74 | -12.50 |
| 5460 | 51.45 | AV | 188 | 1.8 | H | -2.26 | 49.19 | 54 | -4.81 |
| 5460 | 63.64 | PK | 92 | 2 | V | -2.26 | 61.38 | 74 | -12.62 |
| 5460 | 51.37 | AV | 92 | 2 | V | -2.26 | 49.11 | 54 | -4.89 |
| 10620 | 41.40 | PK | 9 | 1.6 | H | 8.89 | 50.29 | 74 | -23.71 |
| 10620 | 41.78 | PK | 156 | 2.5 | V | 8.89 | 50.67 | 74 | -23.33 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC80 | | | | | | | | | |
| 5290 MHz | | | | | | | | | |
| 4500 | 62.79 | PK | 195 | 2.3 | H | -4.72 | 58.07 | 74 | -15.93 |
| 4500 | 50.84 | AV | 195 | 2.3 | H | -4.72 | 46.12 | 54 | -7.88 |
| 4500 | 62.70 | PK | 188 | 2.3 | V | -4.72 | 57.98 | 74 | -16.02 |
| 4500 | 50.75 | AV | 188 | 2.3 | V | -4.72 | 46.03 | 54 | -7.97 |
| 5150 | 63.90 | PK | 325 | 2.1 | H | -2.73 | 61.17 | 74 | -12.83 |
| 5150 | 51.17 | AV | 325 | 2.1 | H | -2.73 | 48.44 | 54 | -5.56 |
| 5150 | 63.79 | PK | 252 | 2 | V | -2.73 | 61.06 | 74 | -12.94 |
| 5150 | 51.08 | AV | 252 | 2 | V | -2.73 | 48.35 | 54 | -5.65 |
| 5350 | 69.31 | PK | 246 | 2.3 | H | -2.33 | 66.98 | 74 | -7.02 |
| 5350 | 54.37 | AV | 246 | 2.3 | H | -2.33 | 52.04 | 54 | -1.96 |
| 5350 | 67.93 | PK | 131 | 2.3 | V | -2.33 | 65.60 | 74 | -8.40 |
| 5350 | 53.49 | AV | 131 | 2.3 | V | -2.33 | 51.16 | 54 | -2.84 |
| 5460 | 63.65 | PK | 236 | 1.1 | H | -2.26 | 61.39 | 74 | -12.61 |
| 5460 | 51.81 | AV | 236 | 1.1 | H | -2.26 | 49.55 | 54 | -4.45 |
| 5460 | 63.56 | PK | 333 | 1.2 | V | -2.26 | 61.30 | 74 | -12.70 |
| 5460 | 51.72 | AV | 333 | 1.2 | V | -2.26 | 49.46 | 54 | -4.54 |
| 10580 | 41.11 | PK | 38 | 1.2 | H | 8.77 | 49.88 | 68.2 | -18.32 |
| 10580 | 41.33 | PK | 163 | 1.2 | V | 8.77 | 50.1 | 68.2 | -18.10 |

**5470-5725MHz:**

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11a | | | | | | | | | |
| 5500 MHZ | | | | | | | | | |
| 5460 | 65.02 | PK | 193 | 2 | H | -2.26 | 62.76 | 74 | -11.24 |
| 5460 | 50.87 | AV | 193 | 2 | H | -2.26 | 48.61 | 54 | -5.39 |
| 5460 | 64.64 | PK | 270 | 1.2 | V | -2.26 | 62.38 | 74 | -11.62 |
| 5460 | 50.78 | AV | 270 | 1.2 | V | -2.26 | 48.52 | 54 | -5.48 |
| 5470 | 67.82 | PK | 24 | 1.9 | H | -2.22 | 65.60 | 68.2 | -2.60 |
| 5470 | 66.21 | PK | 78 | 2.1 | V | -2.22 | 63.99 | 68.2 | -4.21 |
| 11000 | 39.61 | PK | 301 | 1.9 | H | 9.67 | 49.28 | 74 | -24.72 |
| 11000 | 40.06 | PK | 18 | 1.7 | V | 9.67 | 49.73 | 74 | -24.27 |
| 5580 MHZ | | | | | | | | | |
| 11160 | 40.70 | PK | 94 | 1.2 | H | 8.68 | 49.38 | 74 | -24.62 |
| 11160 | 40.92 | PK | 44 | 1.5 | V | 8.68 | 49.60 | 74 | -24.40 |
| 5700 MHZ | | | | | | | | | |
| 5725 | 67.64 | PK | 164 | 2.4 | H | -1.96 | 65.68 | 68.2 | -2.52 |
| 5725 | 66.97 | PK | 209 | 1.8 | V | -1.96 | 65.01 | 68.2 | -3.19 |
| 5745 | 64.46 | PK | 72 | 1.6 | H | -1.91 | 62.55 | 68.2 | -5.65 |
| 5745 | 64.28 | PK | 156 | 1.8 | V | -1.91 | 62.37 | 68.2 | -5.83 |
| 11400 | 43.12 | PK | 251 | 1.6 | H | 7.26 | 50.38 | 74 | -23.62 |
| 11400 | 43.37 | PK | 274 | 1.7 | V | 7.26 | 50.63 | 74 | -23.37 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11n20 | | | | | | | | | |
| 5500 MHZ | | | | | | | | | |
| 5460 | 64.96 | PK | 90 | 2.5 | H | -2.26 | 62.70 | 74 | -11.30 |
| 5460 | 50.82 | AV | 90 | 2.5 | H | -2.26 | 48.56 | 54 | -5.44 |
| 5460 | 64.71 | PK | 307 | 1.2 | V | -2.26 | 62.45 | 74 | -11.55 |
| 5460 | 50.74 | AV | 307 | 1.2 | V | -2.26 | 48.48 | 54 | -5.52 |
| 5470 | 67.66 | PK | 78 | 1.4 | H | -2.22 | 65.44 | 68.2 | -2.76 |
| 5470 | 66.41 | PK | 162 | 2.3 | V | -2.22 | 64.19 | 68.2 | -4.01 |
| 11000 | 39.74 | PK | 110 | 1.4 | H | 9.67 | 49.41 | 74 | -24.59 |
| 11000 | 40.03 | PK | 238 | 1.3 | V | 9.67 | 49.70 | 74 | -24.30 |
| 5580 MHZ | | | | | | | | | |
| 11160 | 40.80 | PK | 354 | 1.1 | H | 8.68 | 49.48 | 74 | -24.52 |
| 11160 | 41.07 | PK | 318 | 2.4 | V | 8.68 | 49.75 | 74 | -24.25 |
| 5700 MHZ | | | | | | | | | |
| 5725 | 67.48 | PK | 246 | 1.1 | H | -1.96 | 65.52 | 68.2 | -2.68 |
| 5725 | 66.91 | PK | 200 | 1.5 | V | -1.96 | 64.95 | 68.2 | -3.25 |
| 5745 | 64.65 | PK | 217 | 1.1 | H | -1.91 | 62.74 | 68.2 | -5.46 |
| 5745 | 64.54 | PK | 329 | 1.6 | V | -1.91 | 62.63 | 68.2 | -5.57 |
| 11400 | 43.09 | PK | 18 | 2 | H | 7.26 | 50.35 | 74 | -23.65 |
| 11400 | 43.41 | PK | 78 | 1 | V | 7.26 | 50.67 | 74 | -23.33 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11N40 | | | | | | | | | |
| 5510 MHZ | | | | | | | | | |
| 5460 | 64.81 | PK | 55 | 1.6 | H | -2.26 | 62.55 | 74 | -11.45 |
| 5460 | 51.48 | AV | 55 | 1.6 | H | -2.26 | 49.22 | 54 | -4.78 |
| 5460 | 64.56 | PK | 163 | 1.3 | V | -2.26 | 62.30 | 74 | -11.70 |
| 5460 | 51.27 | AV | 163 | 1.3 | V | -2.26 | 49.01 | 54 | -4.99 |
| 5470 | 68.58 | PK | 170 | 1.8 | H | -2.22 | 66.36 | 68.2 | -1.84 |
| 5470 | 66.81 | PK | 256 | 1.9 | V | -2.22 | 64.59 | 68.2 | -3.61 |
| 11020 | 39.31 | PK | 103 | 1.8 | H | 9.57 | 48.88 | 74 | -25.12 |
| 11020 | 39.46 | PK | 268 | 1.3 | V | 9.57 | 49.03 | 74 | -24.97 |
| 5550 MHZ | | | | | | | | | |
| 11100 | 39.02 | PK | 107 | 1.4 | H | 9.12 | 48.14 | 74 | -25.86 |
| 11100 | 39.24 | PK | 359 | 2.2 | V | 9.12 | 48.36 | 74 | -25.64 |
| 5670 MHZ | | | | | | | | | |
| 5725 | 67.07 | PK | 338 | 1.9 | H | -1.96 | 65.11 | 68.2 | -3.09 |
| 5725 | 66.72 | PK | 178 | 2 | V | -1.96 | 64.76 | 68.2 | -3.44 |
| 5745 | 64.68 | PK | 66 | 1.8 | H | -1.91 | 62.77 | 68.2 | -5.43 |
| 5745 | 64.59 | PK | 52 | 2.3 | V | -1.91 | 62.68 | 68.2 | -5.52 |
| 11340 | 42.04 | PK | 128 | 1.9 | H | 7.67 | 49.71 | 74 | -24.29 |
| 11340 | 42.21 | PK | 73 | 1.2 | V | 7.67 | 49.88 | 74 | -24.12 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC 20 | | | | | | | | | |
| 5500 MHz | | | | | | | | | |
| 5460 | 65.21 | PK | 213 | 1.5 | H | -2.26 | 62.95 | 74 | -11.05 |
| 5460 | 50.95 | AV | 213 | 1.5 | H | -2.26 | 48.69 | 54 | -5.31 |
| 5460 | 64.88 | PK | 48 | 1.8 | V | -2.26 | 62.62 | 74 | -11.38 |
| 5460 | 50.82 | AV | 48 | 1.8 | V | -2.26 | 48.56 | 54 | -5.44 |
| 5470 | 68.40 | PK | 266 | 2.2 | H | -2.22 | 66.18 | 68.2 | -2.02 |
| 5470 | 66.95 | PK | 81 | 1.5 | V | -2.22 | 64.73 | 68.2 | -3.47 |
| 11000 | 39.66 | PK | 187 | 1.3 | H | 9.67 | 49.33 | 74 | -24.67 |
| 11000 | 39.81 | PK | 181 | 2.3 | V | 9.67 | 49.48 | 74 | -24.52 |
| 5580 MHz | | | | | | | | | |
| 11160 | 40.66 | PK | 266 | 2 | H | 8.68 | 49.34 | 74 | -24.66 |
| 11160 | 40.89 | PK | 212 | 1.4 | V | 8.68 | 49.57 | 74 | -24.43 |
| 5700 MHz | | | | | | | | | |
| 5725 | 67.27 | PK | 127 | 1.1 | H | -1.96 | 65.31 | 68.2 | -2.89 |
| 5725 | 66.76 | PK | 264 | 1.4 | V | -1.96 | 64.80 | 68.2 | -3.40 |
| 5745 | 64.76 | PK | 55 | 1.9 | H | -1.91 | 62.85 | 68.2 | -5.35 |
| 5745 | 64.53 | PK | 330 | 2 | V | -1.91 | 62.62 | 68.2 | -5.58 |
| 11400 | 43.03 | PK | 89 | 1.4 | H | 7.26 | 50.29 | 74 | -23.71 |
| 11400 | 43.22 | PK | 150 | 2.1 | V | 7.26 | 50.48 | 74 | -23.52 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC 40 | | | | | | | | | |
| 5510 MHz | | | | | | | | | |
| 5460 | 64.98 | PK | 34 | 2.1 | H | -2.26 | 62.72 | 74 | -11.28 |
| 5460 | 51.60 | AV | 34 | 2.1 | H | -2.26 | 49.34 | 54 | -4.66 |
| 5460 | 64.77 | PK | 247 | 1.7 | V | -2.26 | 62.51 | 74 | -11.49 |
| 5460 | 51.42 | AV | 247 | 1.7 | V | -2.26 | 49.16 | 54 | -4.84 |
| 5470 | 68.65 | PK | 186 | 1.8 | H | -2.22 | 66.43 | 68.2 | -1.77 |
| 5470 | 67.21 | PK | 351 | 1.5 | V | -2.22 | 64.99 | 68.2 | -3.21 |
| 11020 | 40.05 | PK | 207 | 1.6 | H | 9.57 | 49.62 | 74 | -24.38 |
| 11020 | 40.27 | PK | 71 | 1.7 | V | 9.57 | 49.84 | 74 | -24.16 |
| 5550 MHz | | | | | | | | | |
| 11100 | 39.83 | PK | 319 | 1.6 | H | 9.12 | 48.95 | 74 | -25.05 |
| 11100 | 40.05 | PK | 139 | 1 | V | 9.12 | 49.17 | 74 | -24.83 |
| 5670 MHz | | | | | | | | | |
| 5725 | 67.20 | PK | 325 | 1.8 | H | -1.96 | 65.24 | 68.2 | -2.96 |
| 5725 | 66.89 | PK | 338 | 1.6 | V | -1.96 | 64.93 | 68.2 | -3.27 |
| 5745 | 64.79 | PK | 300 | 1.6 | H | -1.91 | 62.88 | 68.2 | -5.32 |
| 5745 | 64.62 | PK | 58 | 1.1 | V | -1.91 | 62.71 | 68.2 | -5.49 |
| 11340 | 42.58 | PK | 266 | 2 | H | 7.67 | 50.25 | 74 | -23.75 |
| 11340 | 42.80 | PK | 299 | 1.1 | V | 7.67 | 50.47 | 74 | -23.53 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC 80 | | | | | | | | | |
| 5530 MHz | | | | | | | | | |
| 5460 | 65.61 | PK | 136 | 1.1 | H | -2.26 | 63.35 | 74 | -10.65 |
| 5460 | 52.85 | AV | 136 | 1.1 | H | -2.26 | 50.59 | 54 | -3.41 |
| 5460 | 65.16 | PK | 324 | 1.3 | V | -2.26 | 62.90 | 74 | -11.10 |
| 5460 | 52.28 | AV | 324 | 1.3 | V | -2.26 | 50.02 | 54 | -3.98 |
| 5470 | 68.28 | PK | 1 | 2.1 | H | -2.22 | 66.06 | 68.2 | -2.14 |
| 5470 | 66.93 | PK | 22 | 1.7 | V | -2.22 | 64.71 | 68.2 | -3.49 |
| 11060 | 39.37 | PK | 191 | 1.8 | H | 9.37 | 48.74 | 74 | -25.26 |
| 11060 | 39.61 | PK | 83 | 1.9 | V | 9.37 | 48.98 | 74 | -25.02 |
| 5610 MHz | | | | | | | | | |
| 5725 | 67.18 | PK | 1 | 1.5 | H | -1.96 | 65.22 | 68.2 | -2.98 |
| 5725 | 66.73 | PK | 243 | 1.8 | V | -1.96 | 64.77 | 68.2 | -3.43 |
| 5745 | 64.74 | PK | 178 | 1.2 | H | -1.91 | 62.83 | 68.2 | -5.37 |
| 5745 | 64.59 | PK | 281 | 2 | V | -1.91 | 62.68 | 68.2 | -5.52 |
| 11220 | 41.28 | PK | 254 | 1.2 | H | 8.33 | 49.61 | 74 | -24.39 |
| 11220 | 41.52 | PK | 23 | 1.4 | V | 8.33 | 49.85 | 74 | -24.15 |

**5725– 5850 MHz:**

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11a | | | | | | | | | |
| 5745 MHZ | | | | | | | | | |
| 5650 | 65.99 | PK | 229 | 1.2 | H | -1.95 | 64.04 | 68.2 | -4.16 |
| 5700 | 66.97 | PK | 90 | 2 | H | -2.02 | 64.95 | 105.2 | -40.25 |
| 5720 | 75.76 | PK | 84 | 1.3 | H | -1.97 | 73.79 | 110.8 | -37.01 |
| 5725 | 81.18 | PK | 185 | 2.4 | H | -1.96 | 79.22 | 122.2 | -42.98 |
| 5650 | 65.86 | PK | 100 | 1.9 | V | -1.95 | 63.91 | 68.2 | -4.29 |
| 5700 | 66.79 | PK | 316 | 1.6 | V | -2.02 | 64.77 | 105.2 | -40.43 |
| 5720 | 72.79 | PK | 171 | 1.2 | V | -1.97 | 70.82 | 110.8 | -39.98 |
| 5725 | 77.41 | PK | 11 | 2.3 | V | -1.96 | 75.45 | 122.2 | -46.75 |
| 11490 | 45.29 | PK | 33 | 1.1 | H | 6.63 | 51.92 | 74 | -22.08 |
| 11490 | 46.03 | PK | 315 | 2.2 | V | 6.63 | 52.66 | 74 | -21.34 |
| 5785 MHZ | | | | | | | | | |
| 11570 | 48.35 | PK | 51 | 2.4 | H | 6.59 | 54.94 | 74 | -19.06 |
| 11570 | 34.24 | AV | 341 | 2.4 | H | 6.59 | 40.83 | 54 | -13.17 |
| 11570 | 46.83 | PK | 76 | 2.2 | V | 6.59 | 53.42 | 74 | -20.58 |
| 5825 MHZ | | | | | | | | | |
| 5850 | 73.99 | PK | 9 | 1.2 | H | -1.81 | 72.18 | 122.2 | -50.02 |
| 5855 | 71.79 | PK | 69 | 1.3 | H | -1.82 | 69.97 | 110.8 | -40.83 |
| 5875 | 67.36 | PK | 57 | 1.6 | H | -1.84 | 65.52 | 105.2 | -39.68 |
| 5925 | 66.65 | PK | 152 | 1.5 | H | -1.82 | 64.83 | 68.2 | -3.37 |
| 5850 | 71.07 | PK | 145 | 1.1 | V | -1.81 | 69.26 | 122.2 | -52.94 |
| 5855 | 68.67 | PK | 336 | 1.1 | V | -1.82 | 66.85 | 110.8 | -43.95 |
| 5875 | 67.17 | PK | 180 | 1.3 | V | -1.84 | 65.33 | 105.2 | -39.87 |
| 5925 | 66.56 | PK | 137 | 1.7 | V | -1.82 | 64.74 | 68.2 | -3.46 |
| 10650 | 49.23 | PK | 312 | 2.3 | H | 6.77 | 56.00 | 74 | -18.00 |
| 10650 | 34.34 | AV | 176 | 2.3 | H | 6.77 | 41.11 | 54 | -12.89 |
| 10650 | 45.69 | PK | 95 | 1.4 | V | 6.77 | 52.46 | 74 | -21.54 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11n20 | | | | | | | | | |
| 5745 MHZ | | | | | | | | | |
| 5650 | 65.95 | PK | 127 | 2.5 | H | -1.95 | 64.00 | 68.2 | -4.20 |
| 5700 | 66.87 | PK | 345 | 1.6 | H | -2.02 | 64.85 | 105.2 | -40.35 |
| 5720 | 75.41 | PK | 316 | 2.1 | H | -1.97 | 73.44 | 110.8 | -37.36 |
| 5725 | 79.84 | PK | 224 | 2.3 | H | -1.96 | 77.88 | 122.2 | -44.32 |
| 5650 | 65.83 | PK | 48 | 2.5 | V | -1.95 | 63.88 | 68.2 | -4.32 |
| 5700 | 66.73 | PK | 312 | 1.4 | V | -2.02 | 64.71 | 105.2 | -40.49 |
| 5720 | 70.89 | PK | 249 | 1.8 | V | -1.97 | 68.92 | 110.8 | -41.88 |
| 5725 | 75.31 | PK | 25 | 2.4 | V | -1.96 | 73.35 | 122.2 | -48.85 |
| 11490 | 45.00 | PK | 345 | 1.9 | H | 6.63 | 51.63 | 74 | -22.37 |
| 11490 | 45.46 | PK | 18 | 2 | V | 6.63 | 52.09 | 74 | -21.91 |
| 5785 MHZ | | | | | | | | | |
| 11570 | 47.03 | PK | 47 | 1.1 | H | 6.59 | 53.62 | 74 | -20.38 |
| 11570 | 46.21 | PK | 145 | 1.2 | V | 6.59 | 52.80 | 74 | -21.20 |
| 5825 MHZ | | | | | | | | | |
| 5850 | 69.93 | PK | 215 | 2.5 | H | -1.81 | 68.12 | 122.2 | -54.08 |
| 5855 | 68.37 | PK | 81 | 2.1 | H | -1.82 | 66.55 | 110.8 | -44.25 |
| 5875 | 67.31 | PK | 89 | 1.9 | H | -1.84 | 65.47 | 105.2 | -39.73 |
| 5925 | 66.61 | PK | 326 | 1 | H | -1.82 | 64.79 | 68.2 | -3.41 |
| 5850 | 68.57 | PK | 259 | 1.1 | V | -1.81 | 66.76 | 122.2 | -55.44 |
| 5855 | 67.97 | PK | 278 | 1.1 | V | -1.82 | 66.15 | 110.8 | -44.65 |
| 5875 | 67.07 | PK | 29 | 1.1 | V | -1.84 | 65.23 | 105.2 | -39.97 |
| 5925 | 66.54 | PK | 30 | 2.2 | V | -1.82 | 64.72 | 68.2 | -3.48 |
| 10650 | 47.99 | PK | 322 | 2.1 | H | 6.77 | 54.76 | 74 | -19.24 |
| 10650 | 33.26 | AV | 14 | 2.1 | H | 6.77 | 40.03 | 54 | -13.97 |
| 10650 | 45.18 | PK | 50 | 1.4 | V | 6.77 | 51.95 | 74 | -22.05 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11N40 | | | | | | | | | |
| 5755 MHZ | | | | | | | | | |
| 5650 | 65.94 | PK | 313 | 1.2 | H | -1.95 | 63.99 | 68.2 | -4.21 |
| 5700 | 69.55 | PK | 99 | 1.6 | H | -2.02 | 67.53 | 105.2 | -37.67 |
| 5720 | 75.42 | PK | 115 | 2.1 | H | -1.97 | 73.45 | 110.8 | -37.35 |
| 5725 | 79.32 | PK | 119 | 1.7 | H | -1.96 | 77.36 | 122.2 | -44.84 |
| 5650 | 65.79 | PK | 100 | 1.2 | V | -1.95 | 63.84 | 68.2 | -4.36 |
| 5700 | 67.92 | PK | 20 | 1.3 | V | -2.02 | 65.90 | 105.2 | -39.30 |
| 5720 | 72.52 | PK | 102 | 2.1 | V | -1.97 | 70.55 | 110.8 | -40.25 |
| 5725 | 76.05 | PK | 0 | 1.1 | V | -1.96 | 74.09 | 122.2 | -48.11 |
| 11510 | 44.16 | PK | 2 | 2 | H | 6.59 | 50.75 | 74 | -23.25 |
| 11510 | 44.74 | PK | 113 | 1.4 | V | 6.59 | 51.33 | 74 | -22.67 |
| 5795 MHZ | | | | | | | | | |
| 5850 | 68.57 | PK | 205 | 2 | H | -1.81 | 66.76 | 122.2 | -55.44 |
| 5855 | 67.71 | PK | 223 | 1.9 | H | -1.82 | 65.89 | 110.8 | -44.91 |
| 5875 | 67.27 | PK | 165 | 1.5 | H | -1.84 | 65.43 | 105.2 | -39.77 |
| 5925 | 66.72 | PK | 141 | 1.3 | H | -1.82 | 64.90 | 68.2 | -3.30 |
| 5850 | 68.05 | PK | 62 | 2 | V | -1.81 | 66.24 | 122.2 | -55.96 |
| 5855 | 67.36 | PK | 257 | 2.4 | V | -1.82 | 65.54 | 110.8 | -45.26 |
| 5875 | 67.12 | PK | 56 | 1.9 | V | -1.84 | 65.28 | 105.2 | -39.92 |
| 5925 | 66.64 | PK | 116 | 1.9 | V | -1.82 | 64.82 | 68.2 | -3.38 |
| 11590 | 46.10 | PK | 208 | 1.6 | H | 6.57 | 52.67 | 74 | -21.33 |
| 11590 | 45.28 | PK | 318 | 2.3 | V | 6.57 | 51.85 | 74 | -22.15 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC20 | | | | | | | | | |
| 5745 MHz | | | | | | | | | |
| 5650 | 65.79 | PK | 36 | 2 | H | -1.95 | 63.84 | 68.2 | -4.36 |
| 5700 | 66.79 | PK | 75 | 2.1 | H | -2.02 | 64.77 | 105.2 | -40.43 |
| 5720 | 74.52 | PK | 334 | 2.4 | H | -1.97 | 72.55 | 110.8 | -38.25 |
| 5725 | 79.44 | PK | 25 | 1.8 | H | -1.96 | 77.48 | 122.2 | -44.72 |
| 5650 | 65.70 | PK | 141 | 2.3 | V | -1.95 | 63.75 | 68.2 | -4.45 |
| 5700 | 66.58 | PK | 321 | 1.5 | V | -2.02 | 64.56 | 105.2 | -40.64 |
| 5720 | 70.60 | PK | 316 | 1.3 | V | -1.97 | 68.63 | 110.8 | -42.17 |
| 5725 | 74.76 | PK | 294 | 1.5 | V | -1.96 | 72.80 | 122.2 | -49.40 |
| 11490 | 45.23 | PK | 283 | 1.2 | H | 6.63 | 51.86 | 74 | -22.14 |
| 11490 | 45.89 | PK | 316 | 1.6 | V | 6.63 | 52.52 | 74 | -21.48 |
| 5785 MHz | | | | | | | | | |
| 11570 | 47.61 | PK | 262 | 2.2 | H | 6.59 | 54.20 | 74 | -19.80 |
| 11570 | 33.47 | AV | 225 | 2.2 | H | 6.59 | 40.06 | 54 | -13.94 |
| 11570 | 46.64 | PK | 352 | 1.7 | V | 6.59 | 53.23 | 74 | -20.77 |
| 5825 MHz | | | | | | | | | |
| 5850 | 70.30 | PK | 334 | 1.9 | H | -1.81 | 68.49 | 122.2 | -53.71 |
| 5855 | 67.64 | PK | 43 | 1.1 | H | -1.82 | 65.82 | 110.8 | -44.98 |
| 5875 | 67.57 | PK | 36 | 1.5 | H | -1.84 | 65.73 | 105.2 | -39.47 |
| 5925 | 66.70 | PK | 153 | 2.2 | H | -1.82 | 64.88 | 68.2 | -3.32 |
| 5850 | 69.05 | PK | 193 | 1 | V | -1.81 | 67.24 | 122.2 | -54.96 |
| 5855 | 67.88 | PK | 297 | 1.7 | V | -1.82 | 66.06 | 110.8 | -44.74 |
| 5875 | 67.14 | PK | 200 | 1.6 | V | -1.84 | 65.30 | 105.2 | -39.90 |
| 5925 | 66.61 | PK | 110 | 1.9 | V | -1.82 | 64.79 | 68.2 | -3.41 |
| 10650 | 48.60 | PK | 55 | 1.6 | H | 6.77 | 55.37 | 74 | -18.63 |
| 10650 | 33.45 | AV | 29 | 1.6 | H | 6.77 | 40.22 | 54 | -13.78 |
| 10650 | 45.36 | PK | 300 | 1.3 | V | 6.77 | 52.13 | 74 | -21.87 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC40 | | | | | | | | | |
| 5755 MHz | | | | | | | | | |
| 5650 | 65.90 | PK | 324 | 1.2 | H | -1.95 | 63.95 | 68.2 | -4.25 |
| 5700 | 70.04 | PK | 188 | 1.4 | H | -2.02 | 68.02 | 105.2 | -37.18 |
| 5720 | 75.17 | PK | 168 | 2.3 | H | -1.97 | 73.20 | 110.8 | -37.60 |
| 5725 | 79.14 | PK | 262 | 2.1 | H | -1.96 | 77.18 | 122.2 | -45.02 |
| 5650 | 65.77 | PK | 108 | 1.8 | V | -1.95 | 63.82 | 68.2 | -4.38 |
| 5700 | 68.13 | PK | 106 | 1.7 | V | -2.02 | 66.11 | 105.2 | -39.09 |
| 5720 | 72.50 | PK | 238 | 2.3 | V | -1.97 | 70.53 | 110.8 | -40.27 |
| 5725 | 76.63 | PK | 119 | 2.2 | V | -1.96 | 74.67 | 122.2 | -47.53 |
| 11510 | 44.49 | PK | 327 | 2.1 | H | 6.59 | 51.08 | 74 | -22.92 |
| 11510 | 45.13 | PK | 57 | 1.6 | V | 6.59 | 51.72 | 74 | -22.28 |
| 5795 MHz | | | | | | | | | |
| 5850 | 69.42 | PK | 0 | 1.6 | H | -1.81 | 67.61 | 122.2 | -54.59 |
| 5855 | 68.15 | PK | 75 | 1.5 | H | -1.82 | 66.33 | 110.8 | -44.47 |
| 5875 | 67.53 | PK | 72 | 2.2 | H | -1.84 | 65.69 | 105.2 | -39.51 |
| 5925 | 66.74 | PK | 60 | 2.2 | H | -1.82 | 64.92 | 68.2 | -3.28 |
| 5850 | 68.54 | PK | 23 | 2.3 | V | -1.81 | 66.73 | 122.2 | -55.47 |
| 5855 | 67.63 | PK | 281 | 1.8 | V | -1.82 | 65.81 | 110.8 | -44.99 |
| 5875 | 67.39 | PK | 148 | 2 | V | -1.84 | 65.55 | 105.2 | -39.65 |
| 5925 | 66.64 | PK | 34 | 1.6 | V | -1.82 | 64.82 | 68.2 | -3.38 |
| 11590 | 46.19 | PK | 107 | 1.4 | H | 6.57 | 52.76 | 74 | -21.24 |
| 11590 | 45.53 | PK | 78 | 1 | V | 6.57 | 52.10 | 74 | -21.90 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC80 | | | | | | | | | |
| 5775MHz | | | | | | | | | |
| 5650 | 66.16 | PK | 138 | 2 | H | -1.95 | 64.21 | 68.2 | -3.99 |
| 5700 | 70.05 | PK | 9 | 1.4 | H | -2.02 | 68.03 | 105.2 | -37.17 |
| 5720 | 74.11 | PK | 212 | 2.5 | H | -1.97 | 72.14 | 110.8 | -38.66 |
| 5725 | 76.16 | PK | 60 | 1.1 | H | -1.96 | 74.20 | 122.2 | -48.00 |
| 5650 | 66.03 | PK | 82 | 2.1 | V | -1.95 | 64.08 | 68.2 | -4.12 |
| 5700 | 67.78 | PK | 145 | 1.4 | V | -2.02 | 65.76 | 105.2 | -39.44 |
| 5720 | 69.57 | PK | 58 | 1 | V | -1.97 | 67.60 | 110.8 | -43.20 |
| 5725 | 71.01 | PK | 24 | 1.8 | V | -1.96 | 69.05 | 122.2 | -53.15 |
| 5850 | 74.87 | PK | 205 | 1.2 | H | -1.81 | 73.06 | 122.2 | -49.14 |
| 5855 | 72.69 | PK | 262 | 1.4 | H | -1.82 | 70.87 | 110.8 | -39.93 |
| 5875 | 68.93 | PK | 200 | 1.9 | H | -1.84 | 67.09 | 105.2 | -38.11 |
| 5925 | 66.77 | PK | 314 | 1.6 | H | -1.82 | 64.95 | 68.2 | -3.25 |
| 5850 | 71.61 | PK | 233 | 1.2 | V | -1.81 | 69.80 | 122.2 | -52.40 |
| 5855 | 69.23 | PK | 172 | 2.1 | V | -1.82 | 67.41 | 110.8 | -43.39 |
| 5875 | 67.70 | PK | 21 | 2.3 | V | -1.84 | 65.86 | 105.2 | -39.34 |
| 5925 | 66.66 | PK | 27 | 1.4 | V | -1.82 | 64.84 | 68.2 | -3.36 |
| 11550 | 44.76 | PK | 344 | 1 | H | 6.61 | 51.37 | 74 | -22.63 |
| 11550 | 44.41 | PK | 232 | 1.5 | V | 6.61 | 51.02 | 74 | -22.98 |

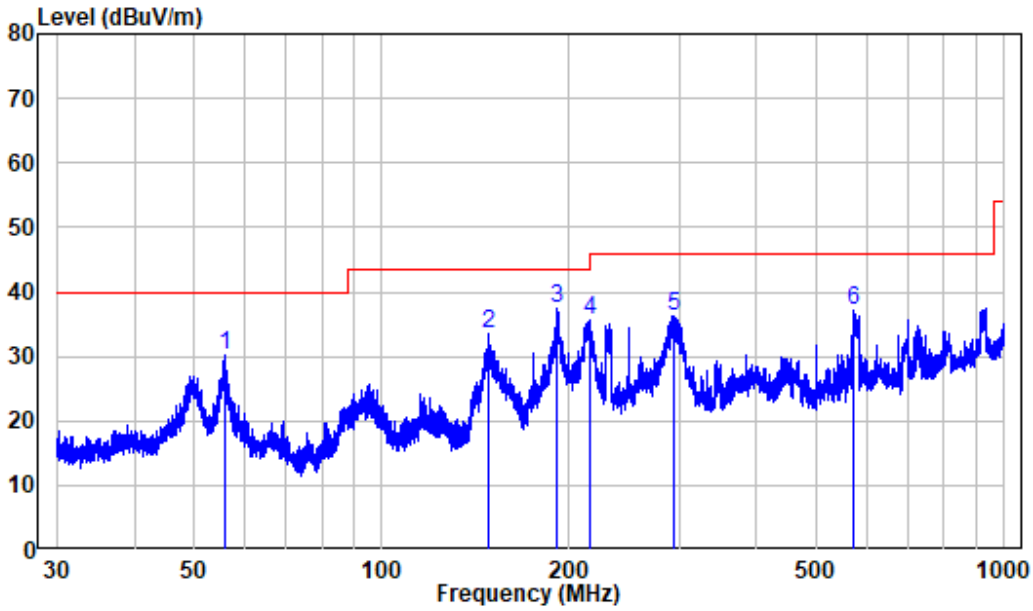
**Note:**
Corrected Factor=Antenna factor (RX) + Cable Loss – Amplifier Factor
Corrected Amplitude = Corrected Factor + Reading
Margin = Corrected. Amplitude - Limit
The other spurious emission which is in the noise floor level was not recorded.
The test result of peak was less than the limit of average, so just peak value were recorded.

*For module: D845*

**30 MHz – 1 GHz:** *(worst case is 802.11a, 5180MHz)*

*Note: When the test result of peak was less than the limit of QP more than 6dB, just peak value were recorded.*

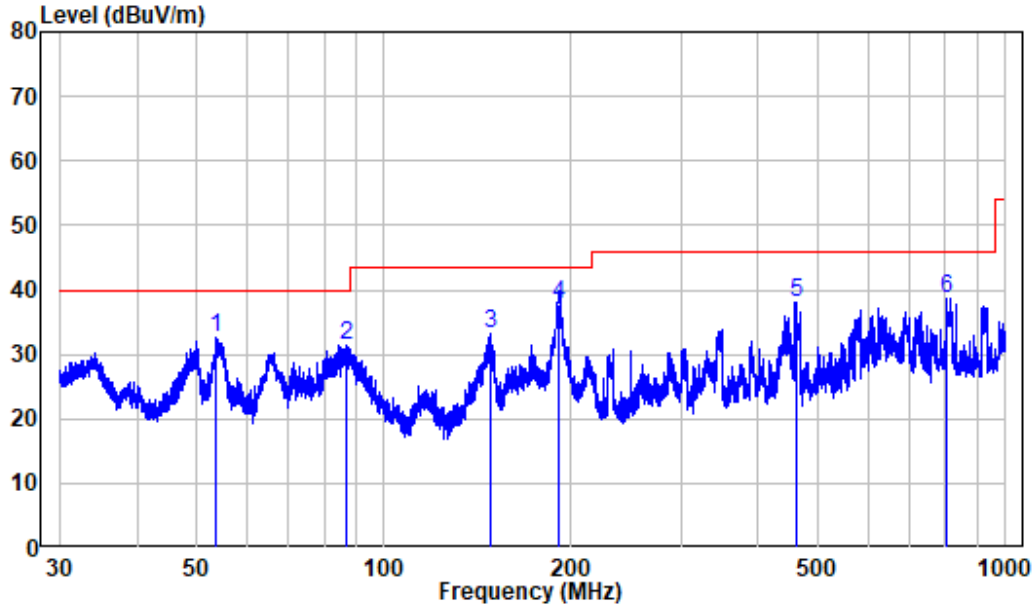
Horizontal




Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZNS220511-19758E-RF
Test Mode: 5G WIFI

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 56.001 | -10.18 | 40.22 | 30.04 | 40.00 | -9.96 | Peak |
| 2 | 148.506 | -15.35 | 48.94 | 33.59 | 43.50 | -9.91 | Peak |
| 3 | 190.990 | -11.41 | 48.82 | 37.41 | 43.50 | -6.09 | Peak |
| 4 | 215.174 | -11.67 | 47.19 | 35.52 | 43.50 | -7.98 | Peak |
| 5 | 295.018 | -9.27 | 45.63 | 36.36 | 46.00 | -9.64 | Peak |
| 6 | 573.368 | -3.82 | 40.93 | 37.11 | 46.00 | -8.89 | Peak |

Vertical




Site : chamber
Condition: 3m VERTICAL
Job No. : SZNS220511-19758E-RF
Test Mode: 5G WIFI

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 53.670 | -10.28 | 42.89 | 32.61 | 40.00 | -7.39 | Peak |
| 2 | 86.655 | -14.99 | 46.52 | 31.53 | 40.00 | -8.47 | Peak |
| 3 | 148.441 | -15.36 | 48.71 | 33.35 | 43.50 | -10.15 | Peak |
| 4 | 191.158 | -11.39 | 49.10 | 37.71 | 43.50 | -5.79 | QP |
| 5 | 459.517 | -5.42 | 43.40 | 37.98 | 46.00 | -8.02 | Peak |
| 6 | 803.545 | -0.41 | 39.05 | 38.64 | 46.00 | -7.36 | Peak |

**Above 1GHz:**

**5150-5250 MHz:**

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11a (worst case ANT1) | | | | | | | | | |
| 5180 MHZ | | | | | | | | | |
| 4500 | 63.10 | PK | 192 | 2.2 | H | -4.72 | 58.38 | 74 | -15.62 |
| 4500 | 49.74 | AV | 192 | 2.2 | H | -4.72 | 45.02 | 54 | -8.98 |
| 4500 | 62.99 | PK | 155 | 1.5 | V | -4.72 | 58.27 | 74 | -15.73 |
| 4500 | 49.65 | AV | 155 | 1.5 | V | -4.72 | 44.93 | 54 | -9.07 |
| 5150 | 67.98 | PK | 94 | 2.1 | H | -2.73 | 65.25 | 74 | -8.75 |
| 5150 | 50.30 | AV | 94 | 2.1 | H | -2.73 | 47.57 | 54 | -6.43 |
| 5150 | 67.15 | PK | 85 | 2.5 | V | -2.73 | 64.42 | 74 | -9.58 |
| 5150 | 50.11 | AV | 85 | 2.5 | V | -2.73 | 47.38 | 54 | -6.62 |
| 10360 | 42.64 | PK | 274 | 1.5 | H | 8.12 | 50.76 | 68.2 | -17.44 |
| 10360 | 43.32 | PK | 29 | 1.5 | V | 8.12 | 51.44 | 68.2 | -16.76 |
| 5200 MHZ | | | | | | | | | |
| 10400 | 42.10 | PK | 167 | 1.9 | H | 8.24 | 50.34 | 68.2 | -17.86 |
| 10400 | 42.79 | PK | 101 | 1.9 | V | 8.24 | 51.03 | 68.2 | -17.17 |
| 5240 MHZ | | | | | | | | | |
| 5350 | 64.65 | PK | 188 | 1.4 | H | -2.33 | 62.32 | 74 | -11.68 |
| 5350 | 50.24 | AV | 188 | 1.4 | H | -2.33 | 47.91 | 54 | -6.09 |
| 5350 | 64.52 | PK | 336 | 1.3 | V | -2.33 | 62.19 | 74 | -11.81 |
| 5350 | 50.13 | AV | 336 | 1.3 | V | -2.33 | 47.80 | 54 | -6.20 |
| 5460 | 63.40 | PK | 94 | 1.9 | H | -2.26 | 61.14 | 74 | -12.86 |
| 5460 | 50.32 | AV | 94 | 1.9 | H | -2.26 | 48.06 | 54 | -5.94 |
| 5460 | 63.29 | PK | 40 | 1.6 | V | -2.26 | 61.03 | 74 | -12.97 |
| 5460 | 50.21 | AV | 40 | 1.6 | V | -2.26 | 47.95 | 54 | -6.05 |
| 10480 | 42.57 | PK | 75 | 1.4 | H | 8.56 | 51.13 | 68.2 | -17.07 |
| 10480 | 43.32 | PK | 339 | 1.4 | V | 8.56 | 51.88 | 68.2 | -16.32 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11n20(worst case MIMO) | | | | | | | | | |
| 5180 MHZ | | | | | | | | | |
| 4500 | 63.23 | PK | 61 | 2.2 | H | -4.72 | 58.51 | 74 | -15.49 |
| 4500 | 49.85 | AV | 61 | 2.2 | H | -4.72 | 45.13 | 54 | -8.87 |
| 4500 | 63.12 | PK | 101 | 2.1 | V | -4.72 | 58.40 | 74 | -15.60 |
| 4500 | 49.74 | AV | 101 | 2.1 | V | -4.72 | 45.02 | 54 | -8.98 |
| 5150 | 69.08 | PK | 130 | 1.4 | H | -2.73 | 66.35 | 74 | -7.65 |
| 5150 | 51.10 | AV | 130 | 1.4 | H | -2.73 | 48.37 | 54 | -5.63 |
| 5150 | 68.24 | PK | 310 | 2 | V | -2.73 | 65.51 | 74 | -8.49 |
| 5150 | 50.92 | AV | 310 | 2 | V | -2.73 | 48.19 | 54 | -5.81 |
| 10360 | 44.49 | PK | 217 | 1.4 | H | 8.12 | 52.61 | 68.2 | -15.59 |
| 10360 | 44.02 | PK | 349 | 1.4 | V | 8.12 | 52.14 | 68.2 | -16.06 |
| 5200 MHZ | | | | | | | | | |
| 10400 | 43.69 | PK | 140 | 1.6 | H | 8.24 | 51.93 | 68.2 | -16.27 |
| 10400 | 43.32 | PK | 89 | 1.6 | V | 8.24 | 51.56 | 68.2 | -16.64 |
| 5240 MHZ | | | | | | | | | |
| 5350 | 64.88 | PK | 238 | 1.6 | H | -2.33 | 62.55 | 74 | -11.45 |
| 5350 | 50.37 | AV | 238 | 1.6 | H | -2.33 | 48.04 | 54 | -5.96 |
| 5350 | 64.79 | PK | 91 | 2.3 | V | -2.33 | 62.46 | 74 | -11.54 |
| 5350 | 50.26 | AV | 91 | 2.3 | V | -2.33 | 47.93 | 54 | -6.07 |
| 5460 | 63.61 | PK | 10 | 1.5 | H | -2.26 | 61.35 | 74 | -12.65 |
| 5460 | 50.38 | AV | 10 | 1.5 | H | -2.26 | 48.12 | 54 | -5.88 |
| 5460 | 63.52 | PK | 314 | 1.1 | V | -2.26 | 61.26 | 74 | -12.74 |
| 5460 | 50.27 | AV | 314 | 1.1 | V | -2.26 | 48.01 | 54 | -5.99 |
| 10480 | 44.15 | PK | 57 | 1.4 | H | 8.56 | 52.71 | 68.2 | -15.49 |
| 10480 | 43.68 | PK | 15 | 1.4 | V | 8.56 | 52.24 | 68.2 | -15.96 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11N40(worst case MIMO) | | | | | | | | | |
| 5190 MHZ | | | | | | | | | |
| 4500 | 63.45 | PK | 129 | 2.3 | H | -4.72 | 58.73 | 74 | -15.27 |
| 4500 | 50.10 | AV | 129 | 2.3 | H | -4.72 | 45.38 | 54 | -8.62 |
| 4500 | 63.34 | PK | 132 | 1.2 | V | -4.72 | 58.62 | 74 | -15.38 |
| 4500 | 49.99 | AV | 132 | 1.2 | V | -4.72 | 45.27 | 54 | -8.73 |
| 5150 | 73.78 | PK | 345 | 1.8 | H | -2.73 | 71.05 | 74 | -2.95 |
| 5150 | 51.61 | AV | 345 | 1.8 | H | -2.73 | 48.88 | 54 | -5.12 |
| 5150 | 71.29 | PK | 140 | 2 | V | -2.73 | 68.56 | 74 | -5.44 |
| 5150 | 51.20 | AV | 140 | 2 | V | -2.73 | 48.47 | 54 | -5.53 |
| 10380 | 42.38 | PK | 253 | 2.4 | H | 8.18 | 50.56 | 68.2 | -17.64 |
| 10380 | 42.15 | PK | 344 | 2.4 | V | 8.18 | 50.33 | 68.2 | -17.87 |
| 5230 MHZ | | | | | | | | | |
| 5350 | 65.30 | PK | 89 | 1.5 | H | -2.33 | 62.97 | 74 | -11.03 |
| 5350 | 52.45 | AV | 89 | 1.5 | H | -2.33 | 50.12 | 54 | -3.88 |
| 5350 | 64.86 | PK | 316 | 2.4 | V | -2.33 | 62.53 | 74 | -11.47 |
| 5350 | 51.61 | AV | 316 | 2.4 | V | -2.33 | 49.28 | 54 | -4.72 |
| 5460 | 63.59 | PK | 358 | 2.3 | H | -2.26 | 61.33 | 74 | -12.67 |
| 5460 | 51.20 | AV | 358 | 2.3 | H | -2.26 | 48.94 | 54 | -5.06 |
| 5460 | 63.34 | PK | 237 | 1.1 | V | -2.26 | 61.08 | 74 | -12.92 |
| 5460 | 50.91 | AV | 237 | 1.1 | V | -2.26 | 48.65 | 54 | -5.35 |
| 10460 | 42.35 | PK | 29 | 1.3 | H | 8.47 | 50.82 | 68.2 | -17.38 |
| 10460 | 41.86 | PK | 11 | 1.3 | V | 8.47 | 50.33 | 68.2 | -17.87 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC20(worst case MIMO) | | | | | | | | | |
| 5180 MHz | | | | | | | | | |
| 4500 | 63.31 | PK | 352 | 2.3 | H | -4.72 | 58.59 | 74 | -15.41 |
| 4500 | 49.95 | AV | 352 | 2.3 | H | -4.72 | 45.23 | 54 | -8.77 |
| 4500 | 63.22 | PK | 347 | 1.1 | V | -4.72 | 58.50 | 74 | -15.50 |
| 4500 | 49.84 | AV | 347 | 1.1 | V | -4.72 | 45.12 | 54 | -8.88 |
| 5150 | 69.96 | PK | 264 | 2.4 | H | -2.73 | 67.23 | 74 | -6.77 |
| 5150 | 52.15 | AV | 264 | 2.4 | H | -2.73 | 49.42 | 54 | -4.58 |
| 5150 | 69.04 | PK | 352 | 1.1 | V | -2.73 | 66.31 | 74 | -7.69 |
| 5150 | 51.20 | AV | 352 | 1.1 | V | -2.73 | 48.47 | 54 | -5.53 |
| 10360 | 44.38 | PK | 223 | 1.6 | H | 8.12 | 52.50 | 68.2 | -15.70 |
| 10360 | 43.69 | PK | 260 | 1.6 | V | 8.12 | 51.81 | 68.2 | -16.39 |
| 5200 MHz | | | | | | | | | |
| 10400 | 43.57 | PK | 179 | 1.4 | H | 8.24 | 51.81 | 68.2 | -16.39 |
| 10400 | 43.14 | PK | 326 | 1.4 | V | 8.24 | 51.38 | 68.2 | -16.82 |
| 5240 MHz | | | | | | | | | |
| 5350 | 65.04 | PK | 257 | 2.2 | H | -2.33 | 62.71 | 74 | -11.29 |
| 5350 | 50.50 | AV | 257 | 2.2 | H | -2.33 | 48.17 | 54 | -5.83 |
| 5350 | 64.91 | PK | 192 | 2 | V | -2.33 | 62.58 | 74 | -11.42 |
| 5350 | 50.39 | AV | 192 | 2 | V | -2.33 | 48.06 | 54 | -5.94 |
| 5460 | 63.67 | PK | 189 | 1.3 | H | -2.26 | 61.41 | 74 | -12.59 |
| 5460 | 50.48 | AV | 189 | 1.3 | H | -2.26 | 48.22 | 54 | -5.78 |
| 5460 | 63.56 | PK | 176 | 2.3 | V | -2.26 | 61.30 | 74 | -12.70 |
| 5460 | 50.39 | AV | 176 | 2.3 | V | -2.26 | 48.13 | 54 | -5.87 |
| 10480 | 44.02 | PK | 223 | 1.8 | H | 8.56 | 52.58 | 68.2 | -15.62 |
| 10480 | 43.43 | PK | 108 | 1.8 | V | 8.56 | 51.99 | 68.2 | -16.21 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC40(worst case MIMO) | | | | | | | | | |
| 5190 MHz | | | | | | | | | |
| 4500 | 63.35 | PK | 302 | 2 | H | -4.72 | 58.63 | 74 | -15.37 |
| 4500 | 50.01 | AV | 302 | 2 | H | -4.72 | 45.29 | 54 | -8.71 |
| 4500 | 63.24 | PK | 297 | 1.2 | V | -4.72 | 58.52 | 74 | -15.48 |
| 4500 | 49.92 | AV | 297 | 1.2 | V | -4.72 | 45.20 | 54 | -8.80 |
| 5150 | 71.46 | PK | 89 | 1.7 | H | -2.73 | 68.73 | 74 | -5.27 |
| 5150 | 51.54 | AV | 89 | 1.7 | H | -2.73 | 48.81 | 54 | -5.19 |
| 5150 | 69.79 | PK | 41 | 2.3 | V | -2.73 | 67.06 | 74 | -6.94 |
| 5150 | 51.07 | AV | 41 | 2.3 | V | -2.73 | 48.34 | 54 | -5.66 |
| 10380 | 42.43 | PK | 264 | 1.3 | H | 8.18 | 50.61 | 68.2 | -17.59 |
| 10380 | 42.17 | PK | 102 | 1.3 | V | 8.18 | 50.35 | 68.2 | -17.85 |
| 5230 MHz | | | | | | | | | |
| 5350 | 65.65 | PK | 70 | 1.3 | H | -2.33 | 63.32 | 74 | -10.68 |
| 5350 | 52.16 | AV | 70 | 1.3 | H | -2.33 | 49.83 | 54 | -4.17 |
| 5350 | 65.19 | PK | 171 | 1.2 | V | -2.33 | 62.86 | 74 | -11.14 |
| 5350 | 51.47 | AV | 171 | 1.2 | V | -2.33 | 49.14 | 54 | -4.86 |
| 5460 | 63.64 | PK | 15 | 1.3 | H | -2.26 | 61.38 | 74 | -12.62 |
| 5460 | 50.81 | AV | 15 | 1.3 | H | -2.26 | 48.55 | 54 | -5.45 |
| 5460 | 63.49 | PK | 5 | 2 | V | -2.26 | 61.23 | 74 | -12.77 |
| 5460 | 50.45 | AV | 5 | 2 | V | -2.26 | 48.19 | 54 | -5.81 |
| 10460 | 42.19 | PK | 247 | 2.2 | H | 8.47 | 50.66 | 68.2 | -17.54 |
| 10460 | 41.90 | PK | 86 | 2.2 | V | 8.47 | 50.37 | 68.2 | -17.83 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC80(worst case MIMO) | | | | | | | | | |
| 5210MHz | | | | | | | | | |
| 4500 | 63.50 | PK | 86 | 1.9 | H | -4.72 | 58.78 | 74 | -15.22 |
| 4500 | 50.57 | AV | 86 | 1.9 | H | -4.72 | 45.85 | 54 | -8.15 |
| 4500 | 63.39 | PK | 278 | 2.4 | V | -4.72 | 58.67 | 74 | -15.33 |
| 4500 | 50.48 | AV | 278 | 2.4 | V | -4.72 | 45.76 | 54 | -8.24 |
| 5150 | 73.11 | PK | 102 | 2.2 | H | -2.73 | 70.38 | 74 | -3.62 |
| 5150 | 52.46 | AV | 102 | 2.2 | H | -2.73 | 49.73 | 54 | -4.27 |
| 5150 | 71.79 | PK | 281 | 1.6 | V | -2.73 | 69.06 | 74 | -4.94 |
| 5150 | 52.08 | AV | 281 | 1.6 | V | -2.73 | 49.35 | 54 | -4.65 |
| 5350 | 65.26 | PK | 125 | 2.4 | H | -2.33 | 62.93 | 74 | -11.07 |
| 5350 | 50.45 | AV | 125 | 2.4 | H | -2.33 | 48.12 | 54 | -5.88 |
| 5350 | 65.11 | PK | 126 | 2 | V | -2.33 | 62.78 | 74 | -11.22 |
| 5350 | 50.33 | AV | 126 | 2 | V | -2.33 | 48.00 | 54 | -6.00 |
| 5460 | 64.52 | PK | 0 | 2.4 | H | -2.26 | 62.26 | 74 | -11.74 |
| 5460 | 50.31 | AV | 0 | 2.4 | H | -2.26 | 48.05 | 54 | -5.95 |
| 5460 | 64.40 | PK | 150 | 2.3 | V | -2.26 | 62.14 | 74 | -11.86 |
| 5460 | 50.25 | AV | 150 | 2.3 | V | -2.26 | 47.99 | 54 | -6.01 |
| 10420 | 42.24 | PK | 230 | 1.9 | H | 8.32 | 50.56 | 68.2 | -17.64 |
| 10420 | 41.99 | PK | 62 | 1.9 | V | 8.32 | 50.31 | 68.2 | -17.89 |

**5250-5350MHz:**

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11a(worst case ANT1) | | | | | | | | | |
| 5260MHz | | | | | | | | | |
| 4500 | 63.01 | PK | 60 | 1.3 | H | -4.72 | 58.29 | 74 | -15.71 |
| 4500 | 49.64 | AV | 60 | 1.3 | H | -4.72 | 44.92 | 54 | -9.08 |
| 4500 | 62.92 | PK | 17 | 1.4 | V | -4.72 | 58.20 | 74 | -15.80 |
| 4500 | 49.53 | AV | 17 | 1.4 | V | -4.72 | 44.81 | 54 | -9.19 |
| 5150 | 64.92 | PK | 345 | 2.4 | H | -2.73 | 62.19 | 74 | -11.81 |
| 5150 | 49.75 | AV | 345 | 2.4 | H | -2.73 | 47.02 | 54 | -6.98 |
| 5150 | 64.81 | PK | 100 | 2.1 | V | -2.73 | 62.08 | 74 | -11.92 |
| 5150 | 49.66 | AV | 100 | 2.1 | V | -2.73 | 46.93 | 54 | -7.07 |
| 10520 | 42.47 | PK | 351 | 2.2 | H | 8.65 | 51.12 | 68.2 | -17.08 |
| 10520 | 42.88 | PK | 21 | 2.2 | V | 8.65 | 51.53 | 68.2 | -16.67 |
| 5280 MHZ | | | | | | | | | |
| 10560 | 42.96 | PK | 324 | 1.6 | H | 8.69 | 51.65 | 68.2 | -16.55 |
| 10560 | 43.38 | PK | 89 | 1.6 | V | 8.69 | 52.07 | 68.2 | -16.13 |
| 5320 MHZ | | | | | | | | | |
| 5350 | 64.76 | PK | 175 | 1.3 | H | -2.33 | 62.43 | 74 | -11.57 |
| 5350 | 50.23 | AV | 175 | 1.3 | H | -2.33 | 47.90 | 54 | -6.10 |
| 5350 | 64.65 | PK | 290 | 1.7 | V | -2.33 | 62.32 | 74 | -11.68 |
| 5350 | 50.12 | AV | 290 | 1.7 | V | -2.33 | 47.79 | 54 | -6.21 |
| 5460 | 63.45 | PK | 215 | 2.3 | H | -2.26 | 61.19 | 74 | -12.81 |
| 5460 | 50.31 | AV | 215 | 2.3 | H | -2.26 | 48.05 | 54 | -5.95 |
| 5460 | 63.34 | PK | 355 | 1.5 | V | -2.26 | 61.08 | 74 | -12.92 |
| 5460 | 50.22 | AV | 355 | 1.5 | V | -2.26 | 47.96 | 54 | -6.04 |
| 10640 | 43.11 | PK | 191 | 1.3 | H | 8.92 | 52.03 | 74 | -21.97 |
| 10640 | 43.55 | PK | 298 | 2.2 | V | 8.92 | 52.47 | 74 | -21.53 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11n20(worst case MIMO) | | | | | | | | | |
| 5260MHz | | | | | | | | | |
| 4500 | 63.21 | PK | 127 | 1.3 | H | -4.72 | 58.49 | 74 | -15.51 |
| 4500 | 49.73 | AV | 127 | 1.3 | H | -4.72 | 45.01 | 54 | -8.99 |
| 4500 | 63.10 | PK | 143 | 1.1 | V | -4.72 | 58.38 | 74 | -15.62 |
| 4500 | 49.64 | AV | 143 | 1.1 | V | -4.72 | 44.92 | 54 | -9.08 |
| 5150 | 65.21 | PK | 306 | 2.2 | H | -2.73 | 62.48 | 74 | -11.52 |
| 5150 | 49.87 | AV | 306 | 2.2 | H | -2.73 | 47.14 | 54 | -6.86 |
| 5150 | 65.02 | PK | 196 | 1.4 | V | -2.73 | 62.29 | 74 | -11.71 |
| 5150 | 49.76 | AV | 196 | 1.4 | V | -2.73 | 47.03 | 54 | -6.97 |
| 10520 | 44.01 | PK | 30 | 1.1 | H | 8.65 | 52.66 | 68.2 | -15.54 |
| 10520 | 43.64 | PK | 32 | 1.1 | V | 8.65 | 52.29 | 68.2 | -15.91 |
| 5280 MHZ | | | | | | | | | |
| 10560 | 45.11 | PK | 45 | 1.3 | H | 8.69 | 53.8 | 68.2 | -14.40 |
| 10560 | 44.18 | PK | 1 | 1.3 | V | 8.69 | 52.87 | 68.2 | -15.33 |
| 5320 MHZ | | | | | | | | | |
| 5350 | 69.80 | PK | 107 | 1.6 | H | -2.33 | 67.47 | 74 | -6.53 |
| 5350 | 50.63 | AV | 107 | 1.6 | H | -2.33 | 48.30 | 54 | -5.70 |
| 5350 | 67.48 | PK | 86 | 1.3 | V | -2.33 | 65.15 | 74 | -8.85 |
| 5350 | 50.39 | AV | 86 | 1.3 | V | -2.33 | 48.06 | 54 | -5.94 |
| 5460 | 63.48 | PK | 127 | 2.4 | H | -2.26 | 61.22 | 74 | -12.78 |
| 5460 | 50.45 | AV | 127 | 2.4 | H | -2.26 | 48.19 | 54 | -5.81 |
| 5460 | 63.36 | PK | 200 | 1.4 | V | -2.26 | 61.10 | 74 | -12.90 |
| 5460 | 50.37 | AV | 200 | 1.4 | V | -2.26 | 48.11 | 54 | -5.89 |
| 10640 | 45.71 | PK | 163 | 2.3 | H | 8.92 | 54.63 | 74 | -19.37 |
| 10640 | 29.10 | AV | 311 | 2.3 | H | 8.92 | 38.02 | 54 | -15.98 |
| 10640 | 45.42 | PK | 198 | 1.7 | V | 8.92 | 54.34 | 74 | -19.66 |
| 10640 | 29.68 | AV | 94 | 1.7 | V | 8.92 | 38.60 | 54 | -15.40 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11N40(worst case MIMO) | | | | | | | | | |
| 5270 MHZ | | | | | | | | | |
| 4500 | 63.20 | PK | 167 | 1.2 | H | -4.72 | 58.48 | 74 | -15.52 |
| 4500 | 50.38 | AV | 167 | 1.2 | H | -4.72 | 45.66 | 54 | -8.34 |
| 4500 | 63.11 | PK | 174 | 1.5 | V | -4.72 | 58.39 | 74 | -15.61 |
| 4500 | 50.29 | AV | 174 | 1.5 | V | -4.72 | 45.57 | 54 | -8.43 |
| 5150 | 67.30 | PK | 263 | 1.9 | H | -2.73 | 64.57 | 74 | -9.43 |
| 5150 | 49.81 | AV | 263 | 1.9 | H | -2.73 | 47.08 | 54 | -6.92 |
| 5150 | 65.15 | PK | 156 | 1.5 | V | -2.73 | 62.42 | 74 | -11.58 |
| 5150 | 49.74 | AV | 156 | 1.5 | V | -2.73 | 47.01 | 54 | -6.99 |
| 10540 | 42.77 | PK | 344 | 1.7 | H | 8.65 | 51.42 | 68.2 | -16.78 |
| 10540 | 42.31 | PK | 191 | 1.7 | V | 8.65 | 50.96 | 68.2 | -17.24 |
| 5310 MHZ | | | | | | | | | |
| 5350 | 72.73 | PK | 204 | 2.4 | H | -2.33 | 70.40 | 74 | -3.60 |
| 5350 | 52.10 | AV | 204 | 2.4 | H | -2.33 | 49.77 | 54 | -4.23 |
| 5350 | 69.14 | PK | 38 | 2.5 | V | -2.33 | 66.81 | 74 | -7.19 |
| 5350 | 51.37 | AV | 38 | 2.5 | V | -2.33 | 49.04 | 54 | -4.96 |
| 5460 | 63.69 | PK | 25 | 2.1 | H | -2.26 | 61.43 | 74 | -12.57 |
| 5460 | 50.42 | AV | 25 | 2.1 | H | -2.26 | 48.16 | 54 | -5.84 |
| 5460 | 63.50 | PK | 290 | 1.3 | V | -2.26 | 61.24 | 74 | -12.76 |
| 5460 | 50.31 | AV | 290 | 1.3 | V | -2.26 | 48.05 | 54 | -5.95 |
| 10620 | 43.56 | PK | 133 | 1.8 | H | 8.89 | 52.45 | 74 | -21.55 |
| 10620 | 43.35 | PK | 33 | 2.1 | V | 8.89 | 52.24 | 74 | -21.76 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC20(worst case MIMO) | | | | | | | | | |
| 5260 MHz | | | | | | | | | |
| 4500 | 63.28 | PK | 304 | 1.5 | H | -4.72 | 58.56 | 74 | -15.44 |
| 4500 | 49.81 | AV | 304 | 1.5 | H | -4.72 | 45.09 | 54 | -8.91 |
| 4500 | 63.19 | PK | 351 | 1.2 | V | -4.72 | 58.47 | 74 | -15.53 |
| 4500 | 49.72 | AV | 351 | 1.2 | V | -4.72 | 45.00 | 54 | -9.00 |
| 5150 | 65.32 | PK | 148 | 1.3 | H | -2.73 | 62.59 | 74 | -11.41 |
| 5150 | 49.99 | AV | 148 | 1.3 | H | -2.73 | 47.26 | 54 | -6.74 |
| 5150 | 65.17 | PK | 224 | 1.4 | V | -2.73 | 62.44 | 74 | -11.56 |
| 5150 | 49.88 | AV | 224 | 1.4 | V | -2.73 | 47.15 | 54 | -6.85 |
| 10520 | 44.08 | PK | 237 | 2.3 | H | 8.65 | 52.73 | 68.2 | -15.47 |
| 10520 | 43.73 | PK | 155 | 2.3 | V | 8.65 | 52.38 | 68.2 | -15.82 |
| 5280 MHz | | | | | | | | | |
| 10560 | 45.37 | PK | 26 | 2.1 | H | 8.69 | 54.06 | 68.2 | -14.14 |
| 10560 | 44.50 | PK | 161 | 2.1 | V | 8.69 | 53.19 | 68.2 | -15.01 |
| 5320 MHz | | | | | | | | | |
| 5350 | 70.31 | PK | 306 | 2.5 | H | -2.33 | 67.98 | 74 | -6.02 |
| 5350 | 51.34 | AV | 306 | 2.5 | H | -2.33 | 49.01 | 54 | -4.99 |
| 5350 | 68.23 | PK | 167 | 1.7 | V | -2.33 | 65.90 | 74 | -8.10 |
| 5350 | 50.57 | AV | 167 | 1.7 | V | -2.33 | 48.24 | 54 | -5.76 |
| 5460 | 63.67 | PK | 185 | 2.4 | H | -2.26 | 61.41 | 74 | -12.59 |
| 5460 | 50.61 | AV | 185 | 2.4 | H | -2.26 | 48.35 | 54 | -5.65 |
| 5460 | 63.56 | PK | 104 | 1.2 | V | -2.26 | 61.30 | 74 | -12.70 |
| 5460 | 50.50 | AV | 104 | 1.2 | V | -2.26 | 48.24 | 54 | -5.76 |
| 10640 | 46.14 | PK | 122 | 1.1 | H | 8.92 | 55.06 | 74 | -18.94 |
| 10640 | 29.51 | AV | 285 | 1.1 | H | 8.92 | 38.43 | 54 | -15.57 |
| 10640 | 45.56 | PK | 211 | 2 | V | 8.92 | 54.48 | 74 | -19.52 |
| 10640 | 29.85 | AV | 143 | 2 | V | 8.92 | 38.77 | 54 | -15.23 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC40(worst case MIMO) | | | | | | | | | |
| 5270 MHz | | | | | | | | | |
| 4500 | 63.34 | PK | 122 | 1.2 | H | -4.72 | 58.62 | 74 | -15.38 |
| 4500 | 50.47 | AV | 122 | 1.2 | H | -4.72 | 45.75 | 54 | -8.25 |
| 4500 | 63.25 | PK | 59 | 1.7 | V | -4.72 | 58.53 | 74 | -15.47 |
| 4500 | 50.38 | AV | 59 | 1.7 | V | -4.72 | 45.66 | 54 | -8.34 |
| 5150 | 67.04 | PK | 274 | 1.8 | H | -2.73 | 64.31 | 74 | -9.69 |
| 5150 | 49.95 | AV | 274 | 1.8 | H | -2.73 | 47.22 | 54 | -6.78 |
| 5150 | 65.31 | PK | 31 | 1.2 | V | -2.73 | 62.58 | 74 | -11.42 |
| 5150 | 49.86 | AV | 31 | 1.2 | V | -2.73 | 47.13 | 54 | -6.87 |
| 10540 | 42.94 | PK | 240 | 1.3 | H | 8.65 | 51.59 | 68.2 | -16.61 |
| 10540 | 42.55 | PK | 154 | 1.3 | V | 8.65 | 51.20 | 68.2 | -17.00 |
| 5310 MHz | | | | | | | | | |
| 5350 | 72.47 | PK | 278 | 1 | H | -2.33 | 70.14 | 74 | -3.86 |
| 5350 | 52.31 | AV | 278 | 1 | H | -2.33 | 49.98 | 54 | -4.02 |
| 5350 | 70.40 | PK | 69 | 2.1 | V | -2.33 | 68.07 | 74 | -5.93 |
| 5350 | 51.59 | AV | 69 | 2.1 | V | -2.33 | 49.26 | 54 | -4.74 |
| 5460 | 63.76 | PK | 66 | 2.3 | H | -2.26 | 61.50 | 74 | -12.50 |
| 5460 | 50.54 | AV | 66 | 2.3 | H | -2.26 | 48.28 | 54 | -5.72 |
| 5460 | 63.65 | PK | 235 | 1.2 | V | -2.26 | 61.39 | 74 | -12.61 |
| 5460 | 50.50 | AV | 235 | 1.2 | V | -2.26 | 48.24 | 54 | -5.76 |
| 10620 | 43.60 | PK | 184 | 2.3 | H | 8.89 | 52.49 | 74 | -21.51 |
| 10620 | 43.31 | PK | 224 | 1.6 | V | 8.89 | 52.20 | 74 | -21.80 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC80(worst case MIMO) | | | | | | | | | |
| 5290 MHz | | | | | | | | | |
| 4500 | 63.24 | PK | 67 | 2.3 | H | -4.72 | 58.52 | 74 | -15.48 |
| 4500 | 50.45 | AV | 67 | 2.3 | H | -4.72 | 45.73 | 54 | -8.27 |
| 4500 | 63.13 | PK | 111 | 1 | V | -4.72 | 58.41 | 74 | -15.59 |
| 4500 | 50.37 | AV | 111 | 1 | V | -4.72 | 45.65 | 54 | -8.35 |
| 5150 | 65.79 | PK | 81 | 2.4 | H | -2.73 | 63.06 | 74 | -10.94 |
| 5150 | 49.85 | AV | 81 | 2.4 | H | -2.73 | 47.12 | 54 | -6.88 |
| 5150 | 65.27 | PK | 292 | 2 | V | -2.73 | 62.54 | 74 | -11.46 |
| 5150 | 49.78 | AV | 292 | 2 | V | -2.73 | 47.05 | 54 | -6.95 |
| 5350 | 73.87 | PK | 38 | 1.9 | H | -2.33 | 71.54 | 74 | -2.46 |
| 5350 | 55.08 | AV | 38 | 1.9 | H | -2.33 | 52.75 | 54 | -1.25 |
| 5350 | 72.51 | PK | 175 | 2.3 | V | -2.33 | 70.18 | 74 | -3.82 |
| 5350 | 54.53 | AV | 175 | 2.3 | V | -2.33 | 52.20 | 54 | -1.80 |
| 5460 | 63.86 | PK | 49 | 1.4 | H | -2.26 | 61.60 | 74 | -12.40 |
| 5460 | 50.45 | AV | 49 | 1.4 | H | -2.26 | 48.19 | 54 | -5.81 |
| 5460 | 63.67 | PK | 270 | 2.1 | V | -2.26 | 61.41 | 74 | -12.59 |
| 5460 | 50.30 | AV | 270 | 2.1 | V | -2.26 | 48.04 | 54 | -5.96 |
| 10580 | 45.29 | PK | 103 | 2.2 | H | 8.77 | 54.06 | 68.2 | -14.14 |
| 10580 | 44.42 | PK | 62 | 2.2 | V | 8.77 | 53.19 | 68.2 | -15.01 |

**5470-5725MHz:**

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11a(worst case ANT1) | | | | | | | | | |
| 5500 MHZ | | | | | | | | | |
| 5460 | 64.81 | PK | 350 | 1 | H | -2.26 | 62.55 | 74 | -11.45 |
| 5460 | 50.32 | AV | 350 | 1 | H | -2.26 | 48.06 | 54 | -5.94 |
| 5460 | 64.65 | PK | 143 | 1.8 | V | -2.26 | 62.39 | 74 | -11.61 |
| 5460 | 50.14 | AV | 143 | 1.8 | V | -2.26 | 47.88 | 54 | -6.12 |
| 5470 | 67.36 | PK | 13 | 2.1 | H | -2.22 | 65.14 | 68.2 | -3.06 |
| 5470 | 66.93 | PK | 325 | 1.4 | V | -2.22 | 64.71 | 68.2 | -3.49 |
| 11000 | 42.98 | PK | 196 | 2.2 | H | 9.67 | 52.65 | 74 | -21.35 |
| 11000 | 45.09 | PK | 297 | 1.3 | V | 9.67 | 54.76 | 74 | -19.24 |
| 11000 | 30.27 | AV | 246 | 1.3 | V | 9.67 | 39.94 | 54 | -14.06 |
| 5580 MHZ | | | | | | | | | |
| 11160 | 45.37 | PK | 302 | 2.1 | H | 8.68 | 54.05 | 74 | -19.95 |
| 11160 | 30.14 | AV | 337 | 2.1 | H | 8.68 | 38.82 | 54 | -15.18 |
| 11160 | 47.69 | PK | 17 | 2.2 | V | 8.68 | 56.37 | 74 | -17.63 |
| 11160 | 33.40 | AV | 124 | 2.2 | V | 8.68 | 42.08 | 54 | -11.92 |
| 5700 MHZ | | | | | | | | | |
| 5725 | 68.31 | PK | 174 | 2.1 | H | -1.96 | 66.35 | 68.2 | -1.85 |
| 5725 | 67.18 | PK | 218 | 1.9 | V | -1.96 | 65.22 | 68.2 | -2.98 |
| 5745 | 65.28 | PK | 5 | 1.3 | H | -1.91 | 63.37 | 68.2 | -4.83 |
| 5745 | 65.05 | PK | 280 | 1.3 | V | -1.91 | 63.14 | 68.2 | -5.06 |
| 11400 | 55.78 | PK | 270 | 1.1 | H | 7.26 | 63.04 | 74 | -10.96 |
| 11400 | 39.96 | AV | 355 | 1.1 | H | 7.26 | 47.22 | 54 | -6.78 |
| 11400 | 56.01 | PK | 329 | 1.4 | V | 7.26 | 63.27 | 74 | -10.73 |
| 11400 | 41.89 | AV | 56 | 1.4 | V | 7.26 | 49.15 | 54 | -4.85 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11n20(worst case MIMO) | | | | | | | | | |
| 5500 MHz | | | | | | | | | |
| 5460 | 64.50 | PK | 152 | 1.8 | H | -2.26 | 62.24 | 74 | -11.76 |
| 5460 | 50.32 | AV | 152 | 1.8 | H | -2.26 | 48.06 | 54 | -5.94 |
| 5460 | 64.34 | PK | 49 | 2 | V | -2.26 | 62.08 | 74 | -11.92 |
| 5460 | 50.19 | AV | 49 | 2 | V | -2.26 | 47.93 | 54 | -6.07 |
| 5470 | 65.82 | PK | 306 | 1.9 | H | -2.22 | 63.60 | 68.2 | -4.60 |
| 5470 | 65.37 | PK | 275 | 1.4 | V | -2.22 | 63.15 | 68.2 | -5.05 |
| 11000 | 42.83 | PK | 122 | 1.6 | H | 9.67 | 52.50 | 74 | -21.50 |
| 11000 | 43.94 | PK | 160 | 1.1 | V | 9.67 | 53.61 | 74 | -20.39 |
| 5580 MHz | | | | | | | | | |
| 11160 | 44.89 | PK | 190 | 2.4 | H | 8.68 | 53.57 | 74 | -20.43 |
| 11160 | 46.98 | PK | 328 | 2.2 | V | 8.68 | 55.66 | 74 | -18.34 |
| 11160 | 30.05 | AV | 183 | 2.2 | V | 8.68 | 38.73 | 54 | -15.27 |
| 5700 MHz | | | | | | | | | |
| 5725 | 68.46 | PK | 275 | 1.2 | H | -1.96 | 66.50 | 68.2 | -1.70 |
| 5725 | 66.97 | PK | 7 | 1.6 | V | -1.96 | 65.01 | 68.2 | -3.19 |
| 5745 | 65.15 | PK | 158 | 1.7 | H | -1.91 | 63.24 | 68.2 | -4.96 |
| 5745 | 64.84 | PK | 83 | 2.4 | V | -1.91 | 62.93 | 68.2 | -5.27 |
| 11400 | 52.70 | PK | 31 | 1.7 | H | 7.26 | 59.96 | 74 | -14.04 |
| 11400 | 37.85 | AV | 206 | 1.7 | H | 7.26 | 45.11 | 54 | -8.89 |
| 11400 | 55.09 | PK | 335 | 1.3 | V | 7.26 | 62.35 | 74 | -11.65 |
| 11400 | 38.48 | AV | 311 | 1.3 | V | 7.26 | 45.74 | 54 | -8.26 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11N40(worst case MIMO) | | | | | | | | | |
| 5510 MHz | | | | | | | | | |
| 5460 | 64.99 | PK | 252 | 2.1 | H | -2.26 | 62.73 | 74 | -11.27 |
| 5460 | 50.58 | AV | 252 | 2.1 | H | -2.26 | 48.32 | 54 | -5.68 |
| 5460 | 64.77 | PK | 107 | 2.4 | V | -2.26 | 62.51 | 74 | -11.49 |
| 5460 | 50.32 | AV | 107 | 2.4 | V | -2.26 | 48.06 | 54 | -5.94 |
| 5470 | 67.55 | PK | 274 | 1.9 | H | -2.22 | 65.33 | 68.2 | -2.87 |
| 5470 | 66.72 | PK | 120 | 1.8 | V | -2.22 | 64.50 | 68.2 | -3.70 |
| 11020 | 41.77 | PK | 207 | 1.2 | H | 9.57 | 51.34 | 74 | -22.66 |
| 11020 | 42.36 | PK | 130 | 1.5 | V | 9.57 | 51.93 | 74 | -22.07 |
| 5550 MHz | | | | | | | | | |
| 11100 | 41.65 | PK | 18 | 1.7 | H | 9.12 | 50.77 | 74 | -23.23 |
| 11100 | 43.07 | PK | 11 | 2.1 | V | 9.12 | 52.19 | 74 | -21.81 |
| 5670 MHz | | | | | | | | | |
| 5725 | 68.27 | PK | 180 | 2.2 | H | -1.96 | 66.31 | 68.2 | -1.89 |
| 5725 | 67.48 | PK | 111 | 1.6 | V | -1.96 | 65.52 | 68.2 | -2.68 |
| 5745 | 65.54 | PK | 143 | 1.7 | H | -1.91 | 63.63 | 68.2 | -4.57 |
| 5745 | 65.39 | PK | 221 | 2 | V | -1.91 | 63.48 | 68.2 | -4.72 |
| 11340 | 49.10 | PK | 232 | 2 | H | 7.67 | 56.77 | 74 | -17.23 |
| 11340 | 34.17 | AV | 248 | 2 | H | 7.67 | 41.84 | 54 | -12.16 |
| 11340 | 49.94 | PK | 349 | 1.9 | V | 7.67 | 57.61 | 74 | -16.39 |
| 11340 | 34.78 | AV | 313 | 1.9 | V | 7.67 | 42.45 | 54 | -11.55 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC 20(worst case MIMO) | | | | | | | | | |
| 5500 MHz | | | | | | | | | |
| 5460 | 65.45 | PK | 87 | 1.5 | H | -2.26 | 63.19 | 74 | -10.81 |
| 5460 | 50.56 | AV | 87 | 1.5 | H | -2.26 | 48.30 | 54 | -5.70 |
| 5460 | 65.30 | PK | 5 | 1.9 | V | -2.26 | 63.04 | 74 | -10.96 |
| 5460 | 50.34 | AV | 5 | 1.9 | V | -2.26 | 48.08 | 54 | -5.92 |
| 5470 | 67.07 | PK | 49 | 1.5 | H | -2.22 | 64.85 | 68.2 | -3.35 |
| 5470 | 66.45 | PK | 135 | 2.3 | V | -2.22 | 64.23 | 68.2 | -3.97 |
| 11000 | 43.01 | PK | 189 | 2 | H | 9.67 | 52.68 | 74 | -21.32 |
| 11000 | 44.18 | PK | 111 | 1.1 | V | 9.67 | 53.85 | 74 | -20.15 |
| 5580 MHz | | | | | | | | | |
| 11160 | 44.78 | PK | 132 | 1.8 | H | 8.68 | 53.46 | 74 | -20.54 |
| 11160 | 47.05 | PK | 25 | 2 | V | 8.68 | 55.73 | 74 | -18.27 |
| 11160 | 30.13 | AV | 290 | 2 | V | 8.68 | 38.81 | 54 | -15.19 |
| 5700 MHz | | | | | | | | | |
| 5725 | 68.19 | PK | 331 | 1.6 | H | -1.96 | 66.23 | 68.2 | -1.97 |
| 5725 | 67.34 | PK | 299 | 1.6 | V | -1.96 | 65.38 | 68.2 | -2.82 |
| 5745 | 65.23 | PK | 228 | 1.6 | H | -1.91 | 63.32 | 68.2 | -4.88 |
| 5745 | 65.05 | PK | 285 | 1.9 | V | -1.91 | 63.14 | 68.2 | -5.06 |
| 11400 | 52.98 | PK | 70 | 1.3 | H | 7.26 | 60.24 | 74 | -13.76 |
| 11400 | 37.94 | AV | 270 | 1.3 | H | 7.26 | 45.20 | 54 | -8.80 |
| 11400 | 55.29 | PK | 184 | 1.1 | V | 7.26 | 62.55 | 74 | -11.45 |
| 11400 | 38.85 | AV | 247 | 1.1 | V | 7.26 | 46.11 | 54 | -7.89 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC 40(worst case MIMO) | | | | | | | | | |
| 5510 MHz | | | | | | | | | |
| 5460 | 65.37 | PK | 11 | 1.5 | H | -2.26 | 63.11 | 74 | -10.89 |
| 5460 | 50.70 | AV | 11 | 1.5 | H | -2.26 | 48.44 | 54 | -5.56 |
| 5460 | 65.21 | PK | 89 | 2.1 | V | -2.26 | 62.95 | 74 | -11.05 |
| 5460 | 50.52 | AV | 89 | 2.1 | V | -2.26 | 48.26 | 54 | -5.74 |
| 5470 | 67.95 | PK | 293 | 1.1 | H | -2.22 | 65.73 | 68.2 | -2.47 |
| 5470 | 67.02 | PK | 207 | 1.4 | V | -2.22 | 64.80 | 68.2 | -3.40 |
| 11020 | 42.13 | PK | 322 | 1.3 | H | 9.57 | 51.70 | 74 | -22.30 |
| 11020 | 42.71 | PK | 298 | 2 | V | 9.57 | 52.28 | 74 | -21.72 |
| 5550 MHz | | | | | | | | | |
| 11100 | 41.87 | PK | 126 | 1.6 | H | 9.12 | 50.99 | 74 | -23.01 |
| 11100 | 43.26 | PK | 310 | 2.1 | V | 9.12 | 52.38 | 74 | -21.62 |
| 5670 MHz | | | | | | | | | |
| 5725 | 68.31 | PK | 10 | 2.1 | H | -1.96 | 66.35 | 68.2 | -1.85 |
| 5725 | 67.73 | PK | 269 | 2.1 | V | -1.96 | 65.77 | 68.2 | -2.43 |
| 5745 | 65.35 | PK | 94 | 1.9 | H | -1.91 | 63.44 | 68.2 | -4.76 |
| 5745 | 65.17 | PK | 43 | 1.1 | V | -1.91 | 63.26 | 68.2 | -4.94 |
| 11340 | 48.95 | PK | 236 | 2.1 | H | 7.67 | 56.62 | 74 | -17.38 |
| 11340 | 34.08 | AV | 108 | 2.1 | H | 7.67 | 41.75 | 54 | -12.25 |
| 11340 | 50.04 | PK | 123 | 2.2 | V | 7.67 | 57.71 | 74 | -16.29 |
| 11340 | 34.90 | AV | 158 | 2.2 | V | 7.67 | 42.57 | 54 | -11.43 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC 80(worst case MIMO) | | | | | | | | | |
| 5530 MHz | | | | | | | | | |
| 5460 | 65.97 | PK | 165 | 2.2 | H | -2.26 | 63.71 | 74 | -10.29 |
| 5460 | 51.64 | AV | 165 | 2.2 | H | -2.26 | 49.38 | 54 | -4.62 |
| 5460 | 65.38 | PK | 95 | 1.6 | V | -2.26 | 63.12 | 74 | -10.88 |
| 5460 | 50.76 | AV | 95 | 1.6 | V | -2.26 | 48.50 | 54 | -5.50 |
| 5470 | 68.78 | PK | 118 | 1.1 | H | -2.22 | 66.56 | 68.2 | -1.64 |
| 5470 | 67.52 | PK | 315 | 1.9 | V | -2.22 | 65.30 | 68.2 | -2.90 |
| 11060 | 40.53 | PK | 109 | 1.7 | H | 9.37 | 49.90 | 74 | -24.10 |
| 11060 | 41.37 | PK | 300 | 2.3 | V | 9.37 | 50.74 | 74 | -23.26 |
| 5610 MHz | | | | | | | | | |
| 5725 | 67.22 | PK | 281 | 1.7 | H | -1.96 | 65.26 | 68.2 | -2.94 |
| 5725 | 66.79 | PK | 205 | 1.7 | V | -1.96 | 64.83 | 68.2 | -3.37 |
| 5745 | 64.79 | PK | 102 | 1.4 | H | -1.91 | 62.88 | 68.2 | -5.32 |
| 5745 | 64.58 | PK | 266 | 1.3 | V | -1.91 | 62.67 | 68.2 | -5.53 |
| 11220 | 44.01 | PK | 47 | 2.2 | H | 8.33 | 52.34 | 74 | -21.66 |
| 11220 | 44.80 | PK | 10 | 2.4 | V | 8.33 | 53.13 | 74 | -20.87 |

**5725-5850 MHz:**

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11a(worst case ANT1) | | | | | | | | | |
| 5745 MHZ | | | | | | | | | |
| 5650 | 65.83 | PK | 95 | 2.4 | H | -1.95 | 63.88 | 68.2 | -4.32 |
| 5700 | 66.57 | PK | 1 | 1.8 | H | -2.02 | 64.55 | 105.2 | -40.65 |
| 5720 | 73.27 | PK | 2 | 2.5 | H | -1.97 | 71.30 | 110.8 | -39.50 |
| 5725 | 84.69 | PK | 102 | 1.6 | H | -1.96 | 82.73 | 122.2 | -39.47 |
| 5650 | 65.69 | PK | 37 | 2.3 | V | -1.95 | 63.74 | 68.2 | -4.46 |
| 5700 | 66.37 | PK | 246 | 1 | V | -2.02 | 64.35 | 105.2 | -40.85 |
| 5720 | 70.84 | PK | 147 | 2 | V | -1.97 | 68.87 | 110.8 | -41.93 |
| 5725 | 76.08 | PK | 232 | 2.1 | V | -1.96 | 74.12 | 122.2 | -48.08 |
| 11490 | 53.72 | PK | 255 | 2.3 | H | 6.63 | 60.35 | 74 | -13.65 |
| 11490 | 35.98 | AV | 89 | 2.3 | H | 6.63 | 42.61 | 54 | -11.39 |
| 11490 | 55.60 | PK | 236 | 1.1 | V | 6.63 | 62.23 | 74 | -11.77 |
| 11490 | 41.31 | AV | 5 | 1.1 | V | 6.63 | 47.94 | 54 | -6.06 |
| 5785 MHZ | | | | | | | | | |
| 11570 | 52.53 | PK | 296 | 1.7 | H | 6.59 | 59.12 | 74 | -14.88 |
| 11570 | 35.14 | AV | 191 | 1.7 | H | 6.59 | 41.73 | 54 | -12.27 |
| 11570 | 53.95 | PK | 309 | 1.9 | V | 6.59 | 60.54 | 74 | -13.46 |
| 11570 | 39.37 | AV | 66 | 1.9 | V | 6.59 | 45.96 | 54 | -8.04 |
| 5825 MHZ | | | | | | | | | |
| 5850 | 70.25 | PK | 280 | 1.3 | H | -1.81 | 68.44 | 122.2 | -53.76 |
| 5855 | 68.18 | PK | 334 | 2.2 | H | -1.82 | 66.36 | 110.8 | -44.44 |
| 5875 | 67.44 | PK | 1 | 2.1 | H | -1.84 | 65.60 | 105.2 | -39.60 |
| 5925 | 66.67 | PK | 284 | 1.4 | H | -1.82 | 64.85 | 68.2 | -3.35 |
| 5850 | 68.93 | PK | 87 | 1.2 | V | -1.81 | 67.12 | 122.2 | -55.08 |
| 5855 | 67.67 | PK | 121 | 1.3 | V | -1.82 | 65.85 | 110.8 | -44.95 |
| 5875 | 67.23 | PK | 212 | 2.5 | V | -1.84 | 65.39 | 105.2 | -39.81 |
| 5925 | 66.58 | PK | 26 | 2.4 | V | -1.82 | 64.76 | 68.2 | -3.44 |
| 10650 | 49.36 | PK | 81 | 1.2 | H | 6.77 | 56.13 | 74 | -17.87 |
| 10650 | 33.45 | AV | 266 | 1.2 | H | 6.77 | 40.22 | 54 | -13.78 |
| 10650 | 50.27 | PK | 294 | 2.3 | V | 6.77 | 57.04 | 74 | -16.96 |
| 10650 | 34.80 | AV | 289 | 2.3 | V | 6.77 | 41.57 | 54 | -12.43 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11n20(worst case MIMO) | | | | | | | | | |
| 5745 MHZ | | | | | | | | | |
| 5650 | 66.30 | PK | 353 | 1.4 | H | -1.95 | 64.35 | 68.2 | -3.85 |
| 5700 | 67.46 | PK | 345 | 2.2 | H | -2.02 | 65.44 | 105.2 | -39.76 |
| 5720 | 74.35 | PK | 4 | 1.8 | H | -1.97 | 72.38 | 110.8 | -38.42 |
| 5725 | 85.27 | PK | 76 | 2.5 | H | -1.96 | 83.31 | 122.2 | -38.89 |
| 5650 | 66.19 | PK | 201 | 1.3 | V | -1.95 | 64.24 | 68.2 | -3.96 |
| 5700 | 67.15 | PK | 85 | 1.7 | V | -2.02 | 65.13 | 105.2 | -40.07 |
| 5720 | 71.45 | PK | 80 | 1.5 | V | -1.97 | 69.48 | 110.8 | -41.32 |
| 5725 | 80.73 | PK | 334 | 1.9 | V | -1.96 | 78.77 | 122.2 | -43.43 |
| 11490 | 54.62 | PK | 146 | 1.6 | H | 6.63 | 61.25 | 74 | -12.75 |
| 11490 | 38.09 | AV | 131 | 1.6 | H | 6.63 | 44.72 | 54 | -9.28 |
| 11490 | 58.48 | PK | 272 | 1.4 | V | 6.63 | 65.11 | 74 | -8.89 |
| 11490 | 42.63 | AV | 49 | 1.4 | V | 6.63 | 49.26 | 54 | -4.74 |
| 5785 MHZ | | | | | | | | | |
| 11570 | 53.65 | PK | 135 | 2.3 | H | 6.59 | 60.24 | 74 | -13.76 |
| 11570 | 37.44 | AV | 244 | 2.3 | H | 6.59 | 44.03 | 54 | -9.97 |
| 11570 | 56.28 | PK | 308 | 1 | V | 6.59 | 62.87 | 74 | -11.13 |
| 11570 | 38.67 | AV | 266 | 1 | V | 6.59 | 45.26 | 54 | -8.74 |
| 5825 MHZ | | | | | | | | | |
| 5850 | 74.02 | PK | 98 | 1.5 | H | -1.81 | 72.21 | 122.2 | -49.99 |
| 5855 | 71.32 | PK | 258 | 1.9 | H | -1.82 | 69.50 | 110.8 | -41.30 |
| 5875 | 67.83 | PK | 165 | 2.5 | H | -1.84 | 65.99 | 105.2 | -39.21 |
| 5925 | 66.74 | PK | 207 | 1.8 | H | -1.82 | 64.92 | 68.2 | -3.28 |
| 5850 | 71.63 | PK | 192 | 2.2 | V | -1.81 | 69.82 | 122.2 | -52.38 |
| 5855 | 69.07 | PK | 251 | 1.5 | V | -1.82 | 67.25 | 110.8 | -43.55 |
| 5875 | 67.45 | PK | 40 | 1.6 | V | -1.84 | 65.61 | 105.2 | -39.59 |
| 5925 | 66.65 | PK | 109 | 2.5 | V | -1.82 | 64.83 | 68.2 | -3.37 |
| 10650 | 50.75 | PK | 236 | 1.8 | H | 6.77 | 57.52 | 74 | -16.48 |
| 10650 | 34.70 | AV | 57 | 1.8 | H | 6.77 | 41.47 | 54 | -12.53 |
| 10650 | 53.59 | PK | 24 | 2.2 | V | 6.77 | 60.36 | 74 | -13.64 |
| 10650 | 35.87 | AV | 291 | 2.2 | V | 6.77 | 42.64 | 54 | -11.36 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11N40(worst case MIMO) | | | | | | | | | |
| 5755 MHZ | | | | | | | | | |
| 5650 | 65.89 | PK | 46 | 1.1 | H | -1.95 | 63.94 | 68.2 | -4.26 |
| 5700 | 67.79 | PK | 80 | 2.5 | H | -2.02 | 65.77 | 105.2 | -39.43 |
| 5720 | 83.05 | PK | 103 | 1.4 | H | -1.97 | 81.08 | 110.8 | -29.72 |
| 5725 | 84.18 | PK | 110 | 2.1 | H | -1.96 | 82.22 | 122.2 | -39.98 |
| 5650 | 65.80 | PK | 11 | 2.3 | V | -1.95 | 63.85 | 68.2 | -4.35 |
| 5700 | 67.46 | PK | 212 | 1.1 | V | -2.02 | 65.44 | 105.2 | -39.76 |
| 5720 | 78.17 | PK | 336 | 1 | V | -1.97 | 76.20 | 110.8 | -34.60 |
| 5725 | 80.64 | PK | 234 | 1.5 | V | -1.96 | 78.68 | 122.2 | -43.52 |
| 11510 | 51.91 | PK | 324 | 1.5 | H | 6.59 | 58.50 | 74 | -15.50 |
| 11510 | 36.53 | AV | 209 | 1.5 | H | 6.59 | 43.12 | 54 | -10.88 |
| 11510 | 53.50 | PK | 28 | 1.2 | V | 6.59 | 60.09 | 74 | -13.91 |
| 11510 | 39.04 | AV | 247 | 1.2 | V | 6.59 | 45.63 | 54 | -8.37 |
| 5795 MHZ | | | | | | | | | |
| 5850 | 69.89 | PK | 320 | 2.2 | H | -1.81 | 68.08 | 122.2 | -54.12 |
| 5855 | 68.27 | PK | 8 | 1.1 | H | -1.82 | 66.45 | 110.8 | -44.35 |
| 5875 | 67.57 | PK | 349 | 1.6 | H | -1.84 | 65.73 | 105.2 | -39.47 |
| 5925 | 66.68 | PK | 57 | 2.2 | H | -1.82 | 64.86 | 68.2 | -3.34 |
| 5850 | 68.43 | PK | 257 | 1 | V | -1.81 | 66.62 | 122.2 | -55.58 |
| 5855 | 67.73 | PK | 223 | 2 | V | -1.82 | 65.91 | 110.8 | -44.89 |
| 5875 | 67.33 | PK | 134 | 1.7 | V | -1.84 | 65.49 | 105.2 | -39.71 |
| 5925 | 66.60 | PK | 181 | 2.1 | V | -1.82 | 64.78 | 68.2 | -3.42 |
| 11590 | 49.90 | PK | 62 | 2.3 | H | 6.57 | 56.47 | 74 | -17.53 |
| 11590 | 34.55 | AV | 299 | 2.3 | H | 6.57 | 41.12 | 54 | -12.88 |
| 11590 | 50.87 | PK | 180 | 1.9 | V | 6.57 | 57.44 | 74 | -16.56 |
| 11590 | 36.26 | AV | 139 | 1.9 | V | 6.57 | 42.83 | 54 | -11.17 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC20(worst case MIMO) | | | | | | | | | |
| 5745 MHz | | | | | | | | | |
| 5650 | 66.38 | PK | 13 | 1.7 | H | -1.95 | 64.43 | 68.2 | -3.77 |
| 5700 | 67.88 | PK | 132 | 1.2 | H | -2.02 | 65.86 | 105.2 | -39.34 |
| 5720 | 76.64 | PK | 31 | 1.2 | H | -1.97 | 74.67 | 110.8 | -36.13 |
| 5725 | 87.31 | PK | 237 | 1.6 | H | -1.96 | 85.35 | 122.2 | -36.85 |
| 5650 | 66.26 | PK | 351 | 2.1 | V | -1.95 | 64.31 | 68.2 | -3.89 |
| 5700 | 67.70 | PK | 95 | 2.1 | V | -2.02 | 65.68 | 105.2 | -39.52 |
| 5720 | 73.83 | PK | 43 | 1.9 | V | -1.97 | 71.86 | 110.8 | -38.94 |
| 5725 | 82.58 | PK | 167 | 1.2 | V | -1.96 | 80.62 | 122.2 | -41.58 |
| 11490 | 54.45 | PK | 349 | 2.1 | H | 6.63 | 61.08 | 74 | -12.92 |
| 11490 | 37.87 | AV | 39 | 2.1 | H | 6.63 | 44.50 | 54 | -9.50 |
| 11490 | 58.66 | PK | 344 | 1.6 | V | 6.63 | 65.29 | 74 | -8.71 |
| 11490 | 42.21 | AV | 268 | 1.6 | V | 6.63 | 48.84 | 54 | -5.16 |
| 5785 MHz | | | | | | | | | |
| 11570 | 53.77 | PK | 226 | 2.5 | H | 6.59 | 60.36 | 74 | -13.64 |
| 11570 | 37.36 | AV | 103 | 2.5 | H | 6.59 | 43.95 | 54 | -10.05 |
| 11570 | 56.14 | PK | 344 | 2 | V | 6.59 | 62.73 | 74 | -11.27 |
| 11570 | 38.85 | AV | 281 | 2 | V | 6.59 | 45.44 | 54 | -8.56 |
| 5825 MHz | | | | | | | | | |
| 5850 | 76.14 | PK | 353 | 1.5 | H | -1.81 | 74.33 | 122.2 | -47.87 |
| 5855 | 73.44 | PK | 56 | 1 | H | -1.82 | 71.62 | 110.8 | -39.18 |
| 5875 | 68.42 | PK | 234 | 1.5 | H | -1.84 | 66.58 | 105.2 | -38.62 |
| 5925 | 66.81 | PK | 349 | 1.5 | H | -1.82 | 64.99 | 68.2 | -3.21 |
| 5850 | 74.05 | PK | 355 | 1.1 | V | -1.81 | 72.24 | 122.2 | -49.96 |
| 5855 | 71.14 | PK | 72 | 2.4 | V | -1.82 | 69.32 | 110.8 | -41.48 |
| 5875 | 67.99 | PK | 187 | 1.2 | V | -1.84 | 66.15 | 105.2 | -39.05 |
| 5925 | 66.72 | PK | 277 | 2.4 | V | -1.82 | 64.90 | 68.2 | -3.30 |
| 10650 | 52.10 | PK | 5 | 1.3 | H | 6.77 | 58.87 | 74 | -15.13 |
| 10650 | 34.74 | AV | 348 | 1.3 | H | 6.77 | 41.51 | 54 | -12.49 |
| 10650 | 53.36 | PK | 245 | 2.4 | V | 6.77 | 60.13 | 74 | -13.87 |
| 10650 | 35.72 | AV | 165 | 2.4 | V | 6.77 | 42.49 | 54 | -11.51 |

| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC40(worst case MIMO) | | | | | | | | | |
| 5755 MHz | | | | | | | | | |
| 5650 | 66.02 | PK | 323 | 1.6 | H | -1.95 | 64.07 | 68.2 | -4.13 |
| 5700 | 68.37 | PK | 61 | 1.4 | H | -2.02 | 66.35 | 105.2 | -38.85 |
| 5720 | 84.21 | PK | 296 | 2.2 | H | -1.97 | 82.24 | 110.8 | -28.56 |
| 5725 | 86.64 | PK | 287 | 1.8 | H | -1.96 | 84.68 | 122.2 | -37.52 |
| 5650 | 65.90 | PK | 91 | 2.1 | V | -1.95 | 63.95 | 68.2 | -4.25 |
| 5700 | 67.90 | PK | 76 | 2.1 | V | -2.02 | 65.88 | 105.2 | -39.32 |
| 5720 | 81.50 | PK | 117 | 1.9 | V | -1.97 | 79.53 | 110.8 | -31.27 |
| 5725 | 83.27 | PK | 61 | 1.1 | V | -1.96 | 81.31 | 122.2 | -40.89 |
| 11510 | 52.25 | PK | 169 | 2.3 | H | 6.59 | 58.84 | 74 | -15.16 |
| 11510 | 36.62 | AV | 191 | 2.3 | H | 6.59 | 43.21 | 54 | -10.79 |
| 11510 | 54.41 | PK | 180 | 1.3 | V | 6.59 | 61.00 | 74 | -13.00 |
| 11510 | 38.97 | AV | 163 | 1.3 | V | 6.59 | 45.56 | 54 | -8.44 |
| 5795 MHz | | | | | | | | | |
| 5850 | 72.11 | PK | 99 | 2.3 | H | -1.81 | 70.30 | 122.2 | -51.90 |
| 5855 | 70.43 | PK | 6 | 1.8 | H | -1.82 | 68.61 | 110.8 | -42.19 |
| 5875 | 68.08 | PK | 193 | 1.3 | H | -1.84 | 66.24 | 105.2 | -38.96 |
| 5925 | 66.75 | PK | 130 | 1.1 | H | -1.82 | 64.93 | 68.2 | -3.27 |
| 5850 | 70.39 | PK | 301 | 2.2 | V | -1.81 | 68.58 | 122.2 | -53.62 |
| 5855 | 69.12 | PK | 41 | 2.4 | V | -1.82 | 67.30 | 110.8 | -43.50 |
| 5875 | 67.66 | PK | 242 | 2 | V | -1.84 | 65.82 | 105.2 | -39.38 |
| 5925 | 66.63 | PK | 51 | 2.4 | V | -1.82 | 64.81 | 68.2 | -3.39 |
| 11590 | 50.63 | PK | 339 | 1.5 | H | 6.57 | 57.20 | 74 | -16.80 |
| 11590 | 34.77 | AV | 157 | 1.5 | H | 6.57 | 41.34 | 54 | -12.66 |
| 11590 | 51.71 | PK | 29 | 1.9 | V | 6.57 | 58.28 | 74 | -15.72 |
| 11590 | 36.45 | AV | 128 | 1.9 | V | 6.57 | 43.02 | 54 | -10.98 |

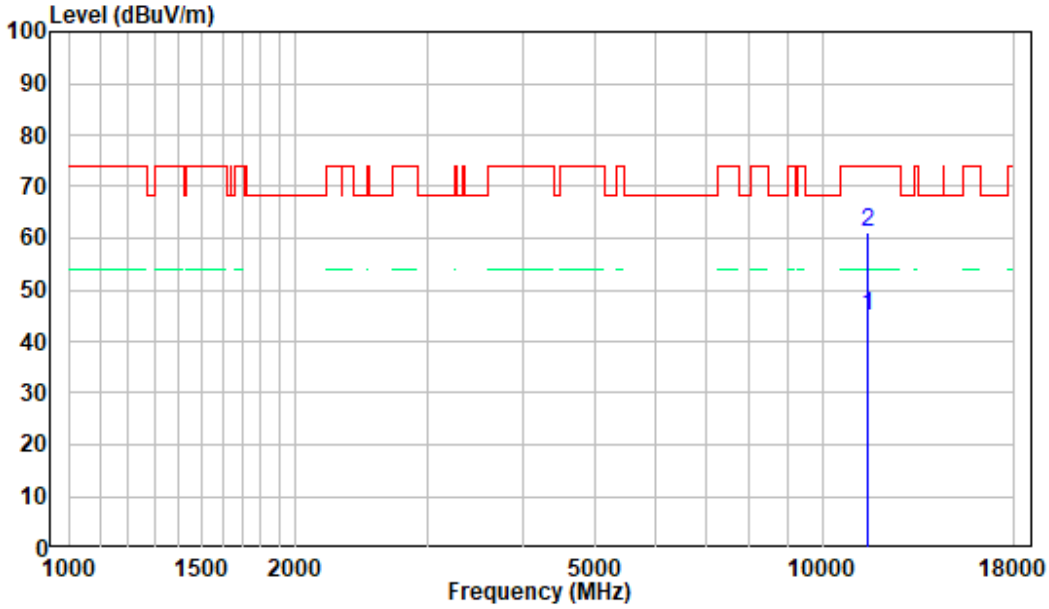
| Frequency (MHz) | Receiver | | Turntable Angle Degree | Rx Antenna | | Factor (dB/m) | Absolute Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | PK/Ave | | Height (m) | Polar (H/V) | | | | |
| 802.11AC80(worst case MIMO) | | | | | | | | | |
| 5775MHz | | | | | | | | | |
| 5650 | 65.78 | PK | 82 | 1.1 | H | -1.95 | 63.83 | 68.2 | -4.37 |
| 5700 | 76.50 | PK | 44 | 1.1 | H | -2.02 | 74.48 | 105.2 | -30.72 |
| 5720 | 79.31 | PK | 31 | 1.7 | H | -1.97 | 77.34 | 110.8 | -33.46 |
| 5725 | 80.52 | PK | 311 | 1.7 | H | -1.96 | 78.56 | 122.2 | -43.64 |
| 5650 | 65.67 | PK | 0 | 1.6 | V | -1.95 | 63.72 | 68.2 | -4.48 |
| 5700 | 72.86 | PK | 209 | 1.8 | V | -2.02 | 70.84 | 105.2 | -34.36 |
| 5720 | 75.34 | PK | 335 | 2.1 | V | -1.97 | 73.37 | 110.8 | -37.43 |
| 5725 | 77.57 | PK | 298 | 2.2 | V | -1.96 | 75.61 | 122.2 | -46.59 |
| 5850 | 79.17 | PK | 13 | 1.9 | H | -1.81 | 77.36 | 122.2 | -44.84 |
| 5855 | 78.17 | PK | 6 | 2.5 | H | -1.82 | 76.35 | 110.8 | -34.45 |
| 5875 | 71.68 | PK | 257 | 1.5 | H | -1.84 | 69.84 | 105.2 | -35.36 |
| 5925 | 66.83 | PK | 177 | 2.4 | H | -1.82 | 65.01 | 68.2 | -3.19 |
| 5850 | 75.76 | PK | 352 | 1.5 | V | -1.81 | 73.95 | 122.2 | -48.25 |
| 5855 | 73.88 | PK | 59 | 1.5 | V | -1.82 | 72.06 | 110.8 | -38.74 |
| 5875 | 70.04 | PK | 303 | 1.5 | V | -1.84 | 68.20 | 105.2 | -37.00 |
| 5925 | 66.83 | PK | 71 | 2.5 | V | -1.82 | 65.01 | 68.2 | -3.19 |
| 11550 | 48.64 | PK | 195 | 1.7 | H | 6.61 | 55.25 | 74 | -18.75 |
| 11550 | 33.11 | AV | 357 | 1.7 | H | 6.61 | 39.72 | 54 | -14.28 |
| 11550 | 50.25 | PK | 189 | 2.2 | V | 6.61 | 56.86 | 74 | -17.14 |
| 11550 | 33.56 | AV | 24 | 2.2 | V | 6.61 | 40.17 | 54 | -13.83 |

**Note:**
Corrected Factor=Antenna factor (RX) + Cable Loss – Amplifier Factor
Corrected Amplitude = Corrected Factor + Reading
Margin = Corrected. Amplitude - Limit
The other spurious emission which is in the noise floor level was not recorded.
The test result of peak was less than the limit of average, so just peak value were recorded.

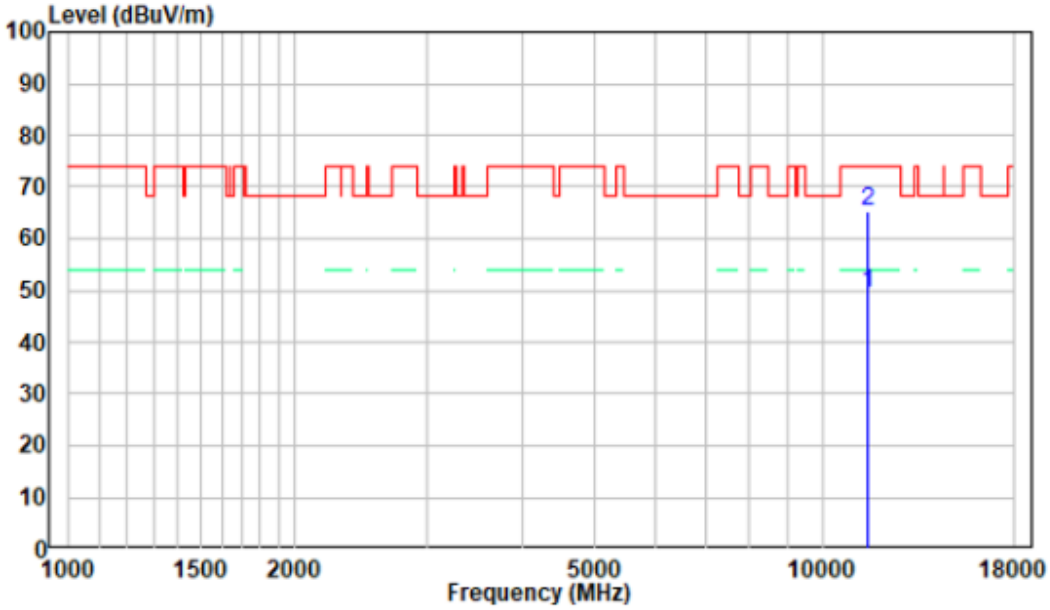
**1 GHz - 18 GHz:** (Pre-Scan plots)

802.11 n20, 5745MHz

Horizontal



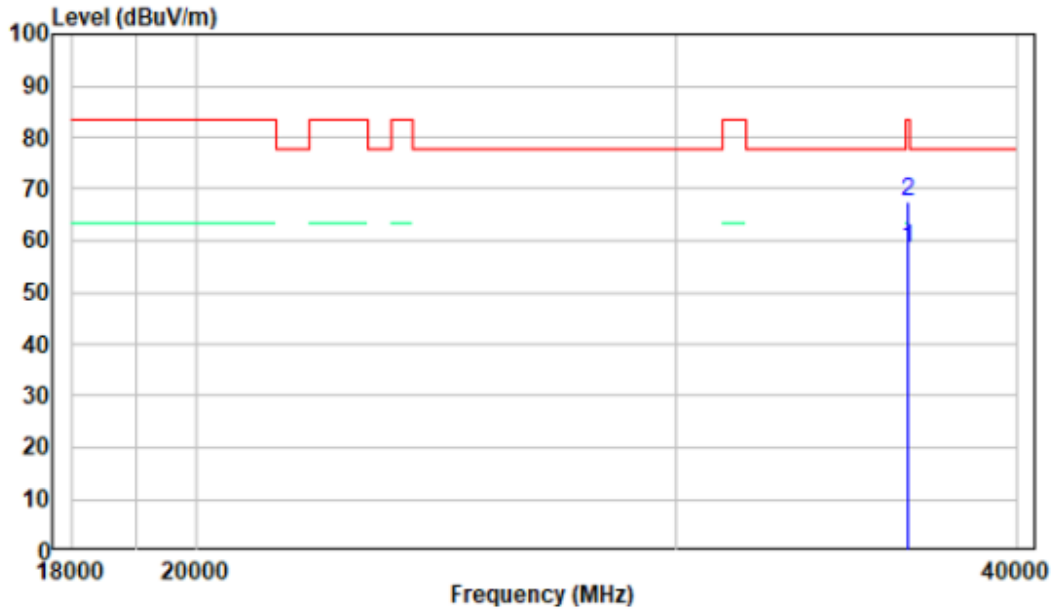

Vertical



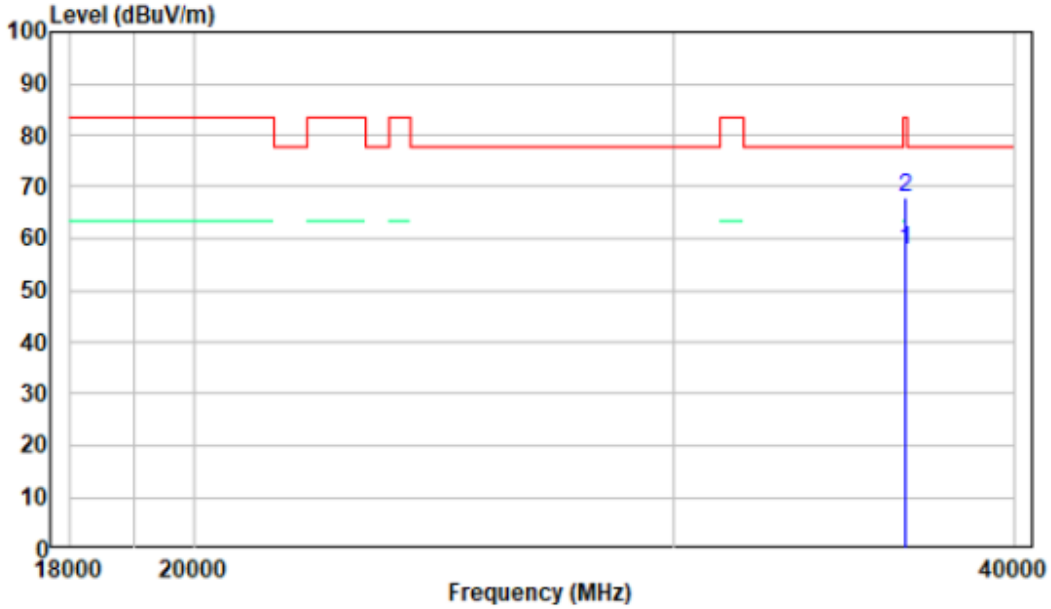
**18-40GHz:** (Pre-Scan plots)

802.11 n20, 5745MHz

Horizontal




Vertical



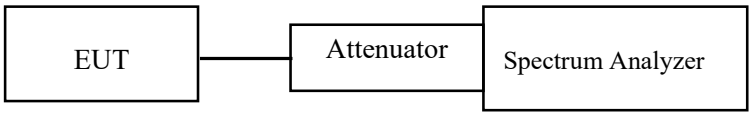
# FCC §15.407(a),(e) –EMISSION BANDWIDTH& 99% OCCUPIED BANDWIDTH

## Applicable Standard

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.

## Test Procedure

a) Set RBW = approximately 1% of the emission bandwidth.
b) Set the VBW > RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
f) for the 99% occupied bandwidth, use the OBW function of spectrum analyzer.




## Test Data

### Environmental Conditions

| | |
|---|---|
| **Temperature:** | 25.2~27.3 ℃ |
| **Relative Humidity:** | 46~55 % |
| **ATM Pressure:** | 100.2~101.3 kPa |

*The testing was performed by Roger Ling from 2022-06-27 to 2022-06-30.*

*EUT operation mode: Transmitting*

**Test Result:** Pass; please refer to the following tables and plots.

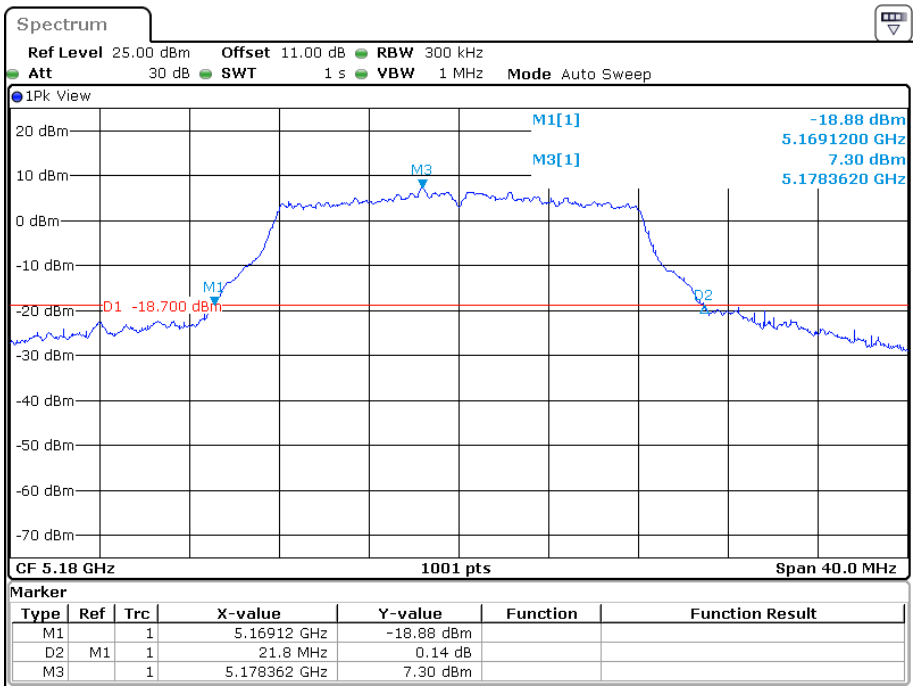
For module:YL43455

**5150 MHz - 5250 MHz:**

| Frequency (MHz) | Antenna Port | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) | Remark |
|---|---|---|---|---|
| 802.11a | | | | No transmitted signal in the 99% bandwidth extends into the U-NII-2A band |
| 5180 | Ant0 | 21.80 | 17.05 | |
| 5200 | Ant0 | 21.56 | 17.05 | |
| 5240 | Ant0 | 21.60 | 17.02 | |
| 802.11n20 | | | | |
| 5180 | Ant0 | 24.44 | 18.22 | |
| 5200 | Ant0 | 25.84 | 18.28 | |
| 5240 | Ant0 | 26.36 | 18.25 | |
| 802.11n40 | | | | |
| 5190 | Ant0 | 48.00 | 36.38 | |
| 5230 | Ant0 | 47.92 | 36.44 | |
| 802.11ac20 | | | | |
| 5180 | Ant0 | 25.04 | 18.19 | |
| 5200 | Ant0 | 24.32 | 18.19 | |
| 5240 | Ant0 | 24.80 | 18.22 | |
| 802.11ac40 | | | | |
| 5190 | Ant0 | 42.88 | 36.38 | |
| 5230 | Ant0 | 42.16 | 36.38 | |
| 11ac80 | | | | |
| 5210 | Ant0 | 82.08 | 75.64 | |

## 26 dB Emission Bandwidth

### 802.11a mode, 5180 MHz

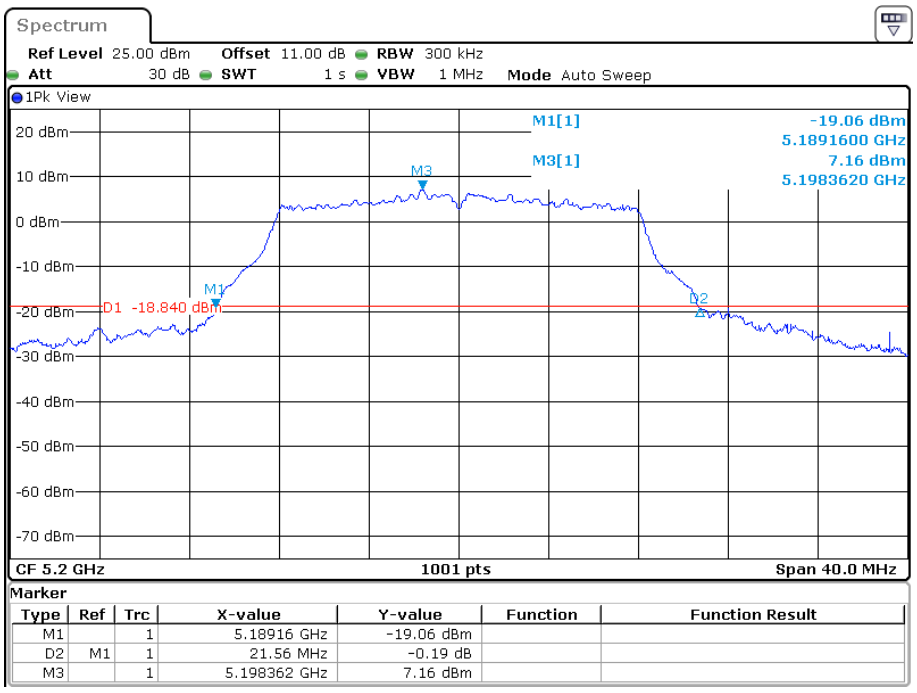



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.16912 GHz | -18.88 dBm | | |
| D2 | M1 | 1 | 21.8 MHz | 0.14 dB | | |
| M3 | | 1 | 5.178362 GHz | 7.30 dBm | | |

Date: 27.JUN.2022 21:17:40

### 802.11a mode, 5200 MHz

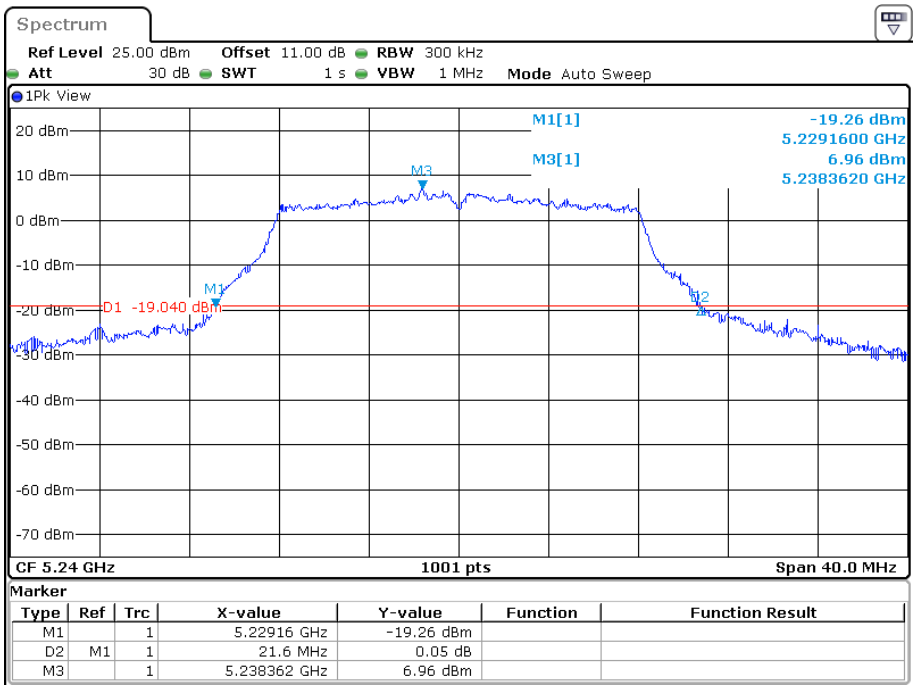



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.18916 GHz | -19.06 dBm | | |
| D2 | M1 | 1 | 21.56 MHz | -0.19 dB | | |
| M3 | | 1 | 5.198362 GHz | 7.16 dBm | | |

Date: 27.JUN.2022 21:20:18

## 802.11a mode, 5240 MHz

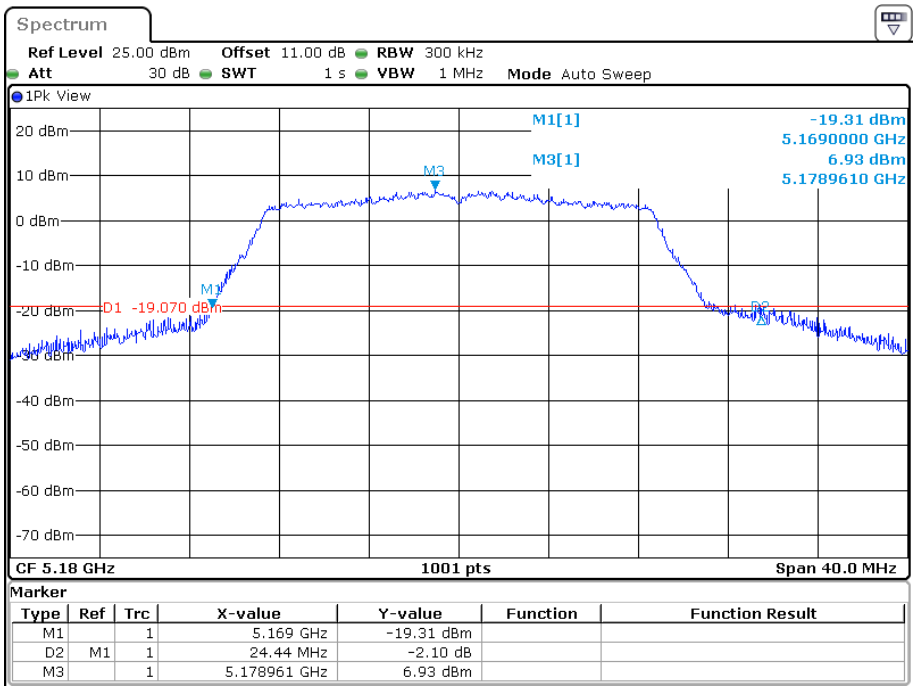



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.22916 GHz | -19.26 dBm | | |
| D2 | M1 | 1 | 21.6 MHz | 0.05 dB | | |
| M3 | | 1 | 5.238362 GHz | 6.96 dBm | | |

Date: 27.JUN.2022 21:22:46

## 802.11n20 mode,5180 MHz

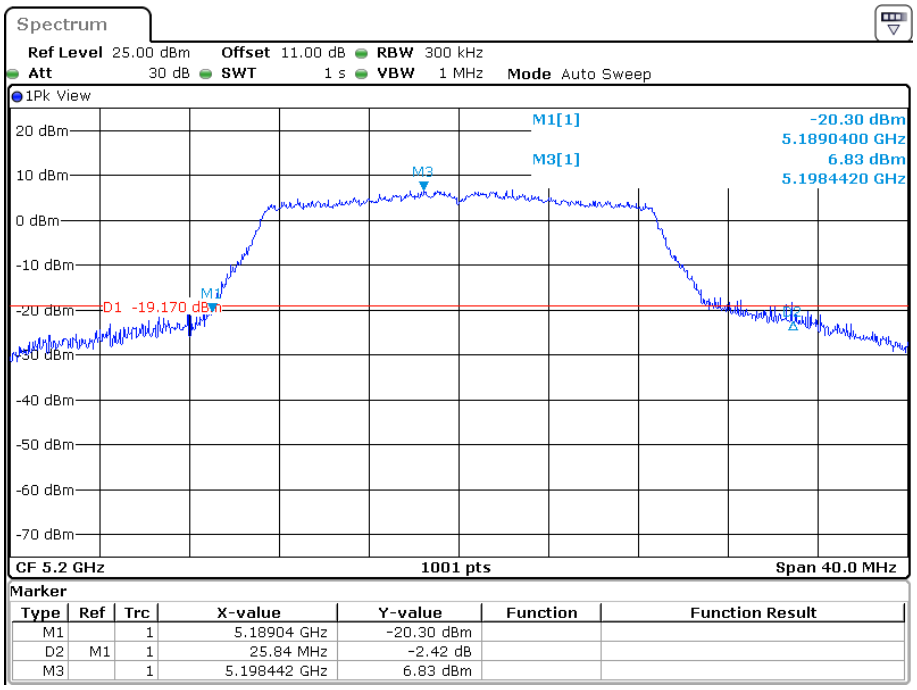



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.169 GHz | -19.31 dBm | | |
| D2 | M1 | 1 | 24.44 MHz | -2.10 dB | | |
| M3 | | 1 | 5.178961 GHz | 6.93 dBm | | |

Date: 27.JUN.2022 22:10:22

## 802.11n20 mode, 5200 MHz

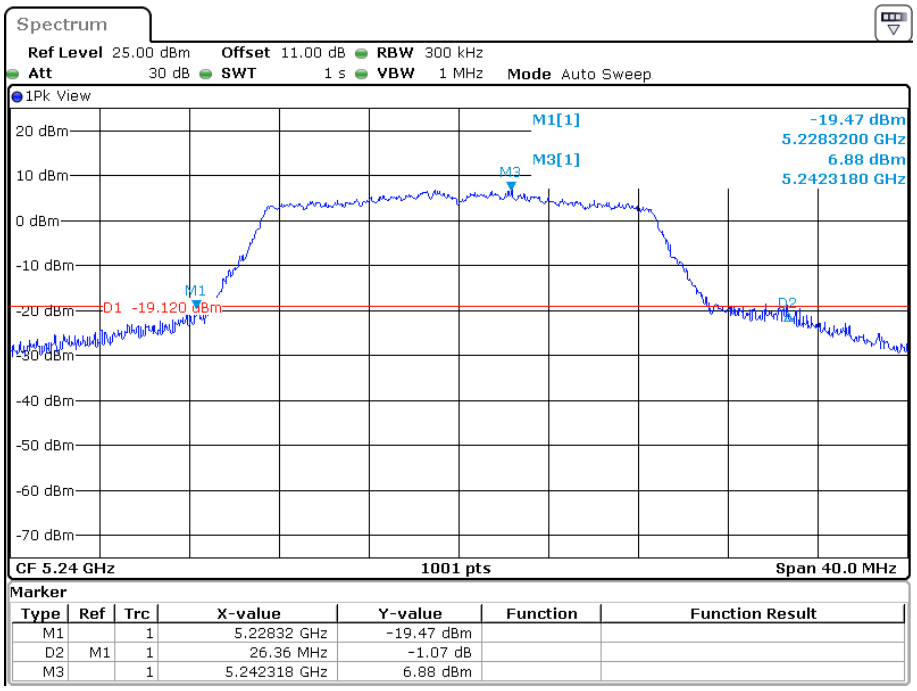



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.18904 GHz | -20.30 dBm | | |
| D2 | M1 | 1 | 25.84 MHz | -2.42 dB | | |
| M3 | | 1 | 5.198442 GHz | 6.83 dBm | | |

Date: 27.JUN.2022 22:13:14

## 802.11n20 mode, 5240 MHz

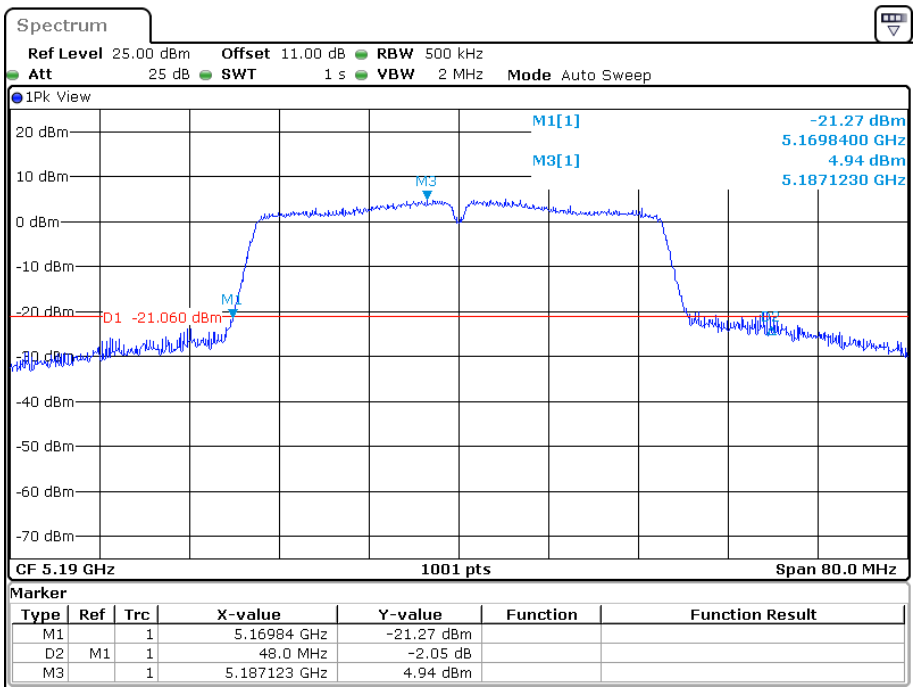



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.22832 GHz | -19.47 dBm | | |
| D2 | M1 | 1 | 26.36 MHz | -1.07 dB | | |
| M3 | | 1 | 5.242318 GHz | 6.88 dBm | | |

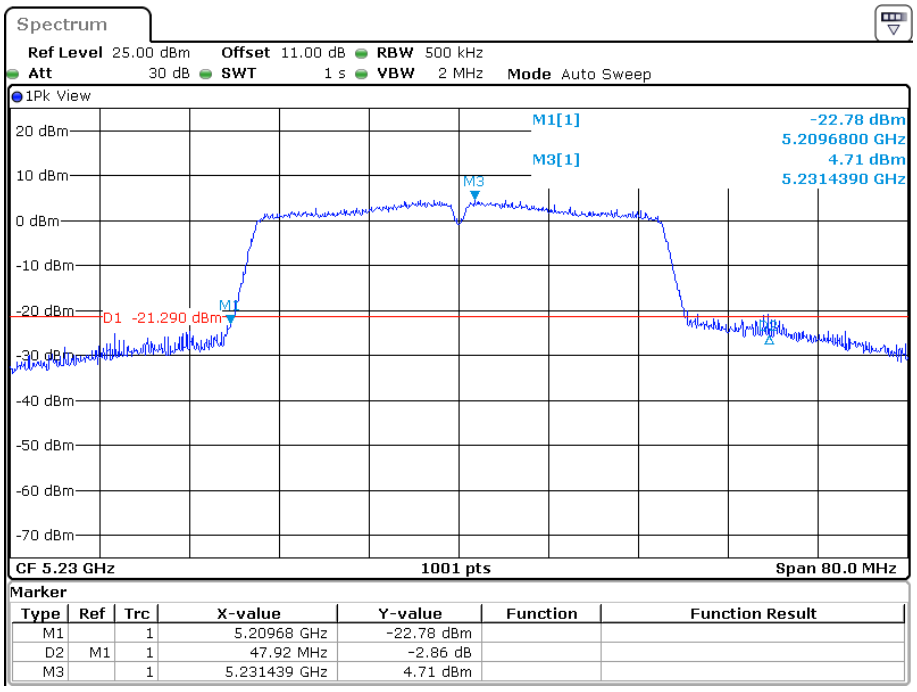
Date: 27.JUN.2022 22:15:57

**802.11n40 mode, 5190 MHz**



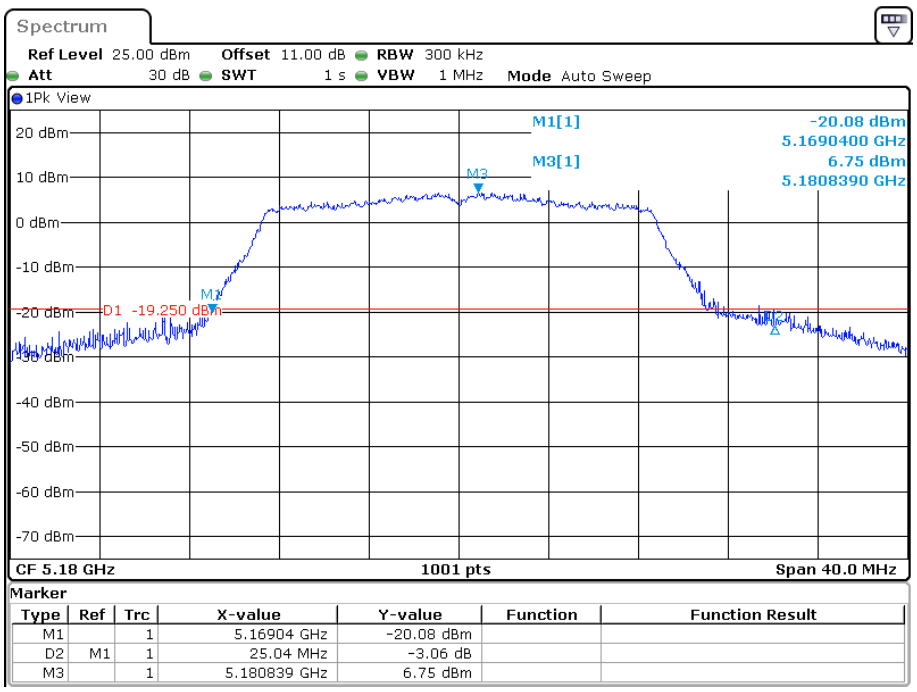

Date: 27.JUN.2022 23:23:11

**802.11n40 mode, 5230 MHz**



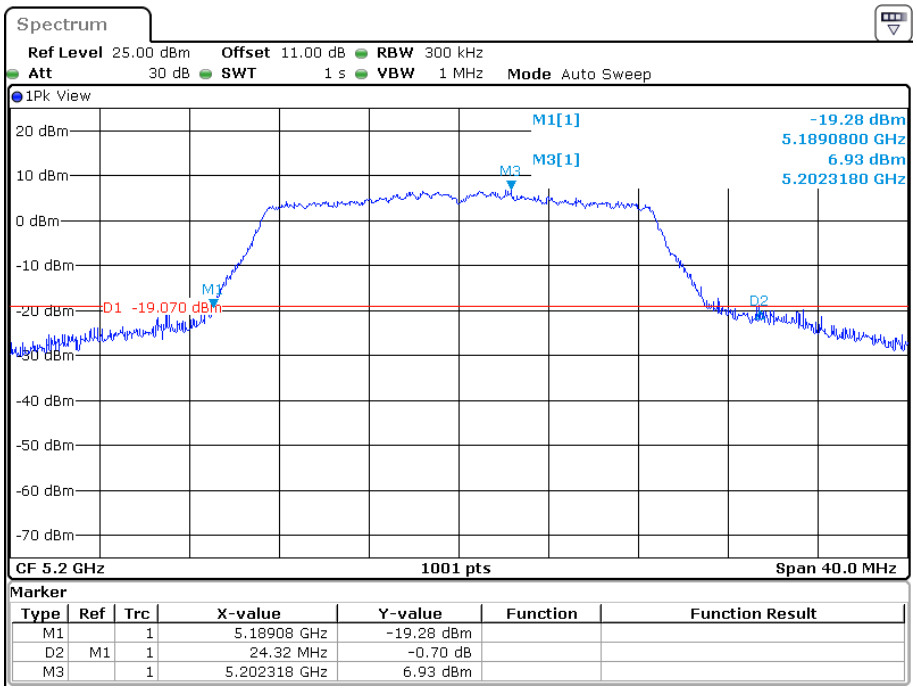

Date: 27.JUN.2022 23:33:47

**802.11ac20 mode, 5180 MHz**



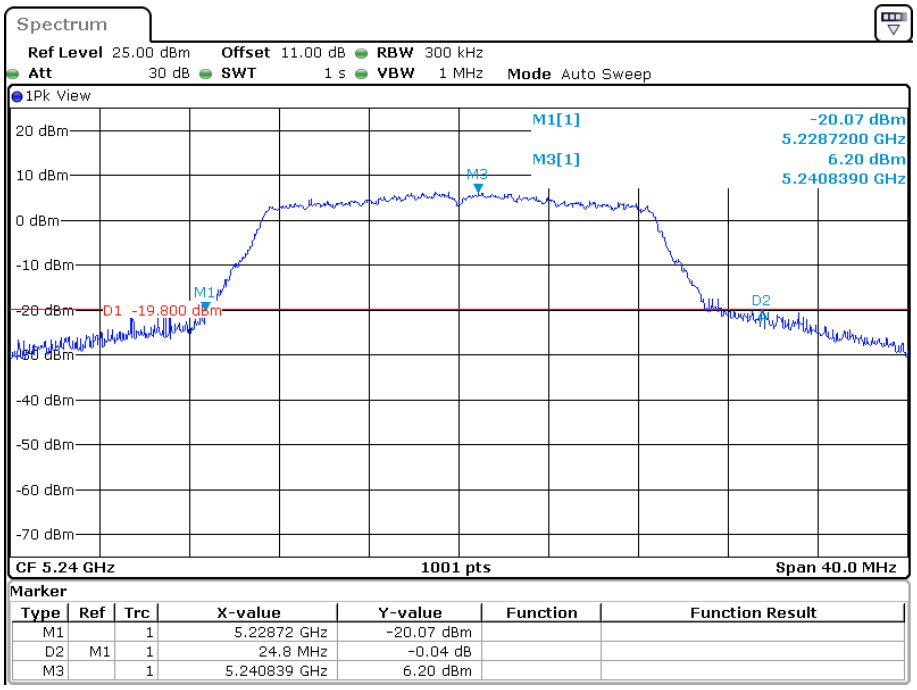

Date: 27.JUN.2022 22:54:40

**802.11ac20 mode, 5200 MHz**




Date: 27.JUN.2022 22:47:37

**802.11ac20 mode, 5240 MHz**

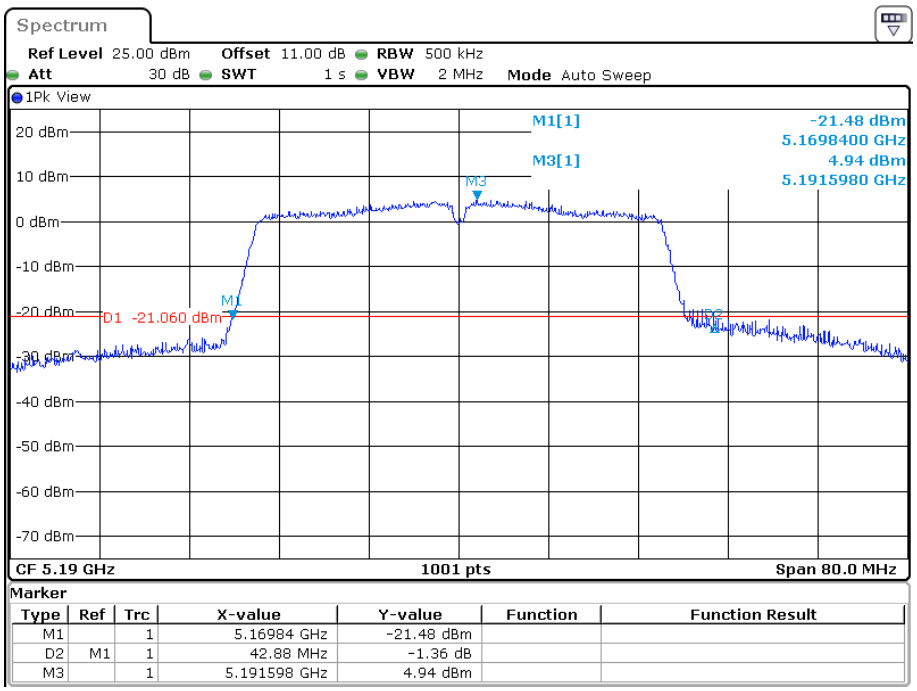



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.22872 GHz | -20.07 dBm | | |
| D2 | M1 | 1 | 24.8 MHz | -0.04 dB | | |
| M3 | | 1 | 5.240839 GHz | 6.20 dBm | | |

Date: 27.JUN.2022 22:52:29

**802.11ac40 mode, 5190 MHz**

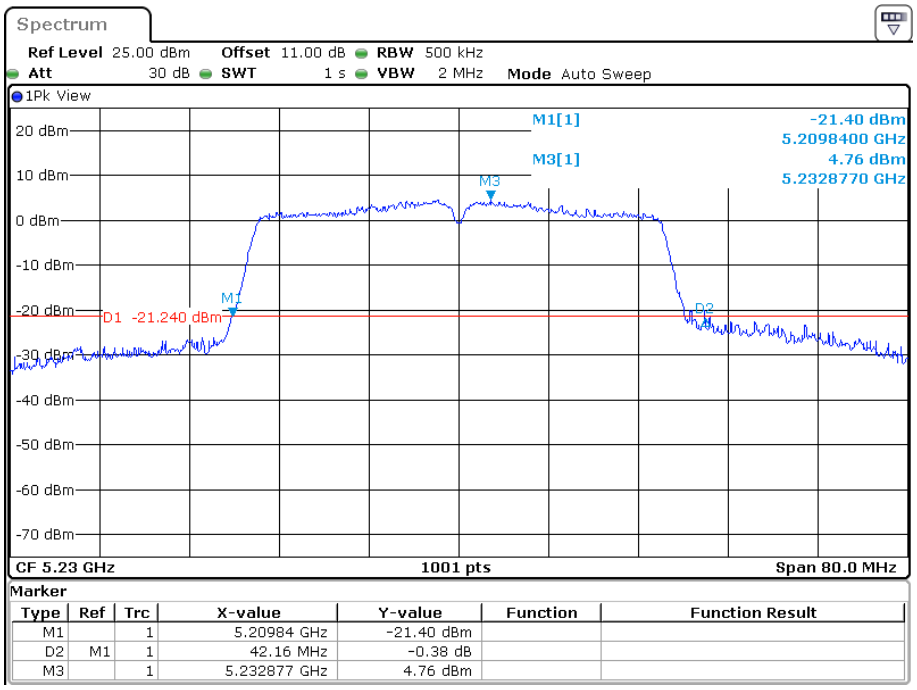



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.16984 GHz | -21.48 dBm | | |
| D2 | M1 | 1 | 42.88 MHz | -1.36 dB | | |
| M3 | | 1 | 5.191598 GHz | 4.94 dBm | | |

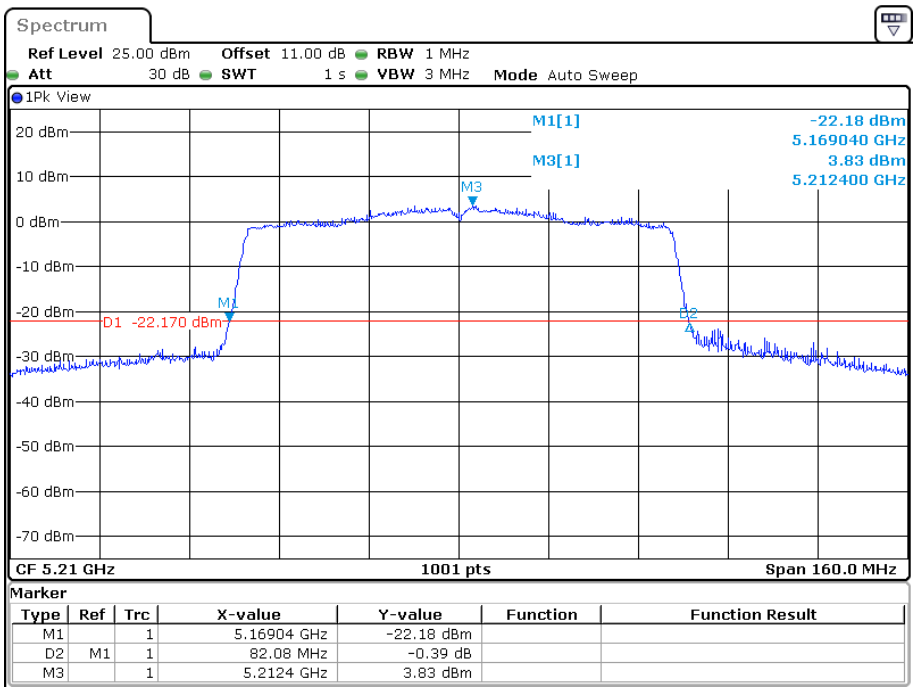
Date: 27.JUN.2022 23:56:09

## 802.11ac40 mode, 5230 MHz




Date: 27.JUN.2022 23:58:44

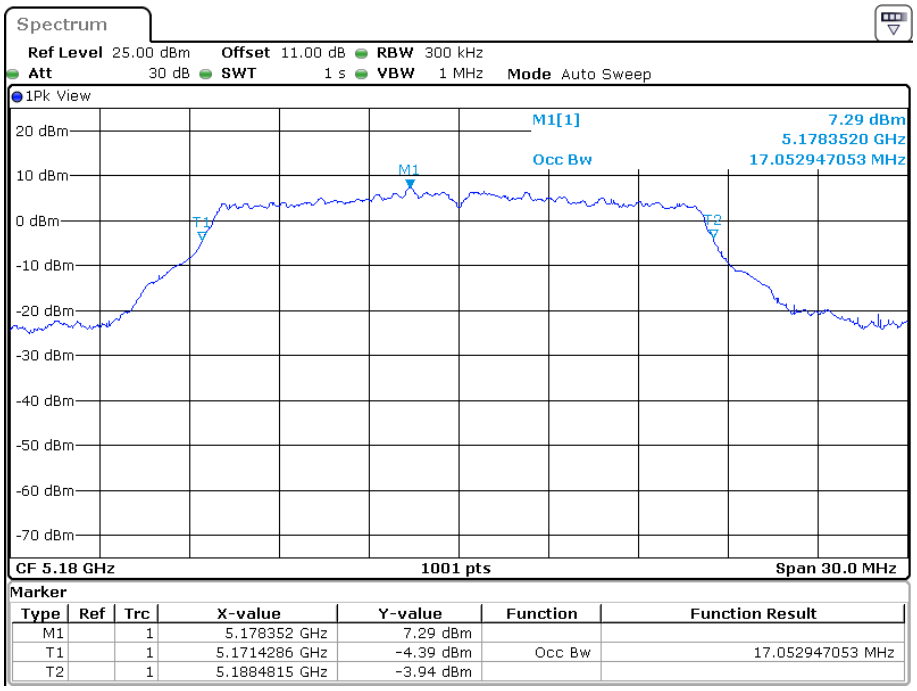
## 802.11ac80 mode, 5210 MHz




Date: 28.JUN.2022 00:19:56

## 99% Occupied Bandwidth

### 802.11a mode, 5180 MHz

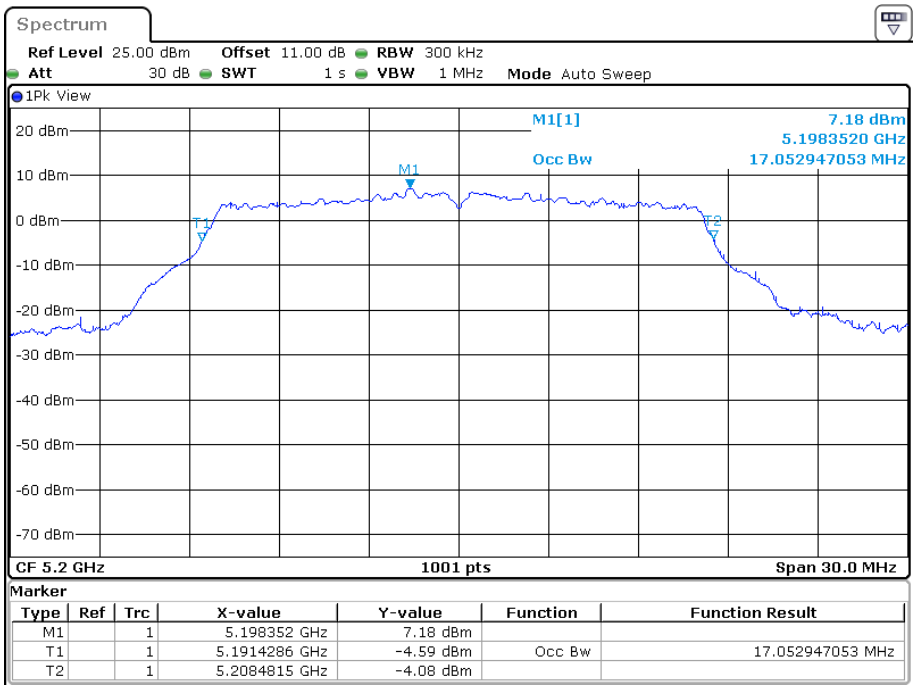



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.178352 GHz | 7.29 dBm | | |
| T1 | | 1 | 5.1714286 GHz | -4.39 dBm | Occ Bw | 17.052947053 MHz |
| T2 | | 1 | 5.1884815 GHz | -3.94 dBm | | |

Date: 27.JUN.2022 21:17:11

### 802.11a mode, 5200 MHz

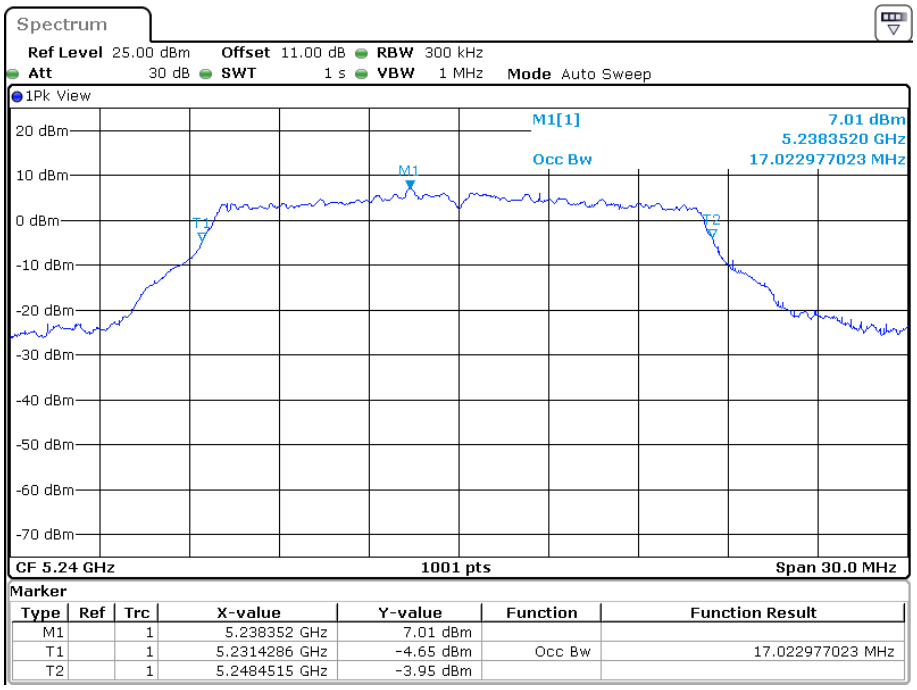



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.198352 GHz | 7.18 dBm | | |
| T1 | | 1 | 5.1914286 GHz | -4.59 dBm | Occ Bw | 17.052947053 MHz |
| T2 | | 1 | 5.2084815 GHz | -4.08 dBm | | |

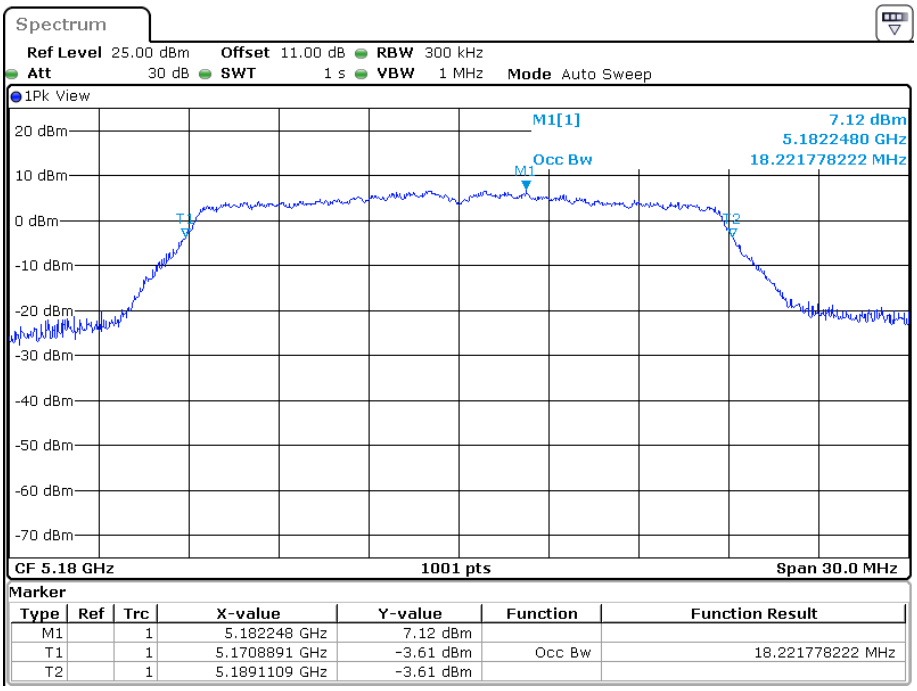
Date: 27.JUN.2022 21:19:48

## 802.11a mode, 5240 MHz



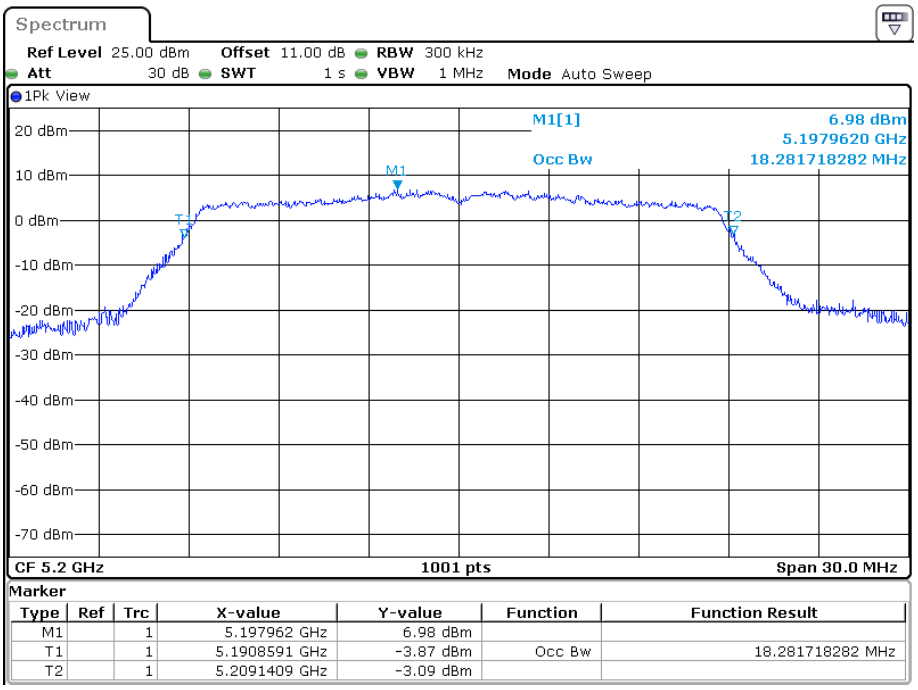

Date: 27.JUN.2022 21:22:16

## 802.11n20 mode,5180 MHz




Date: 27.JUN.2022 22:09:52

## 802.11n20 mode, 5200 MHz

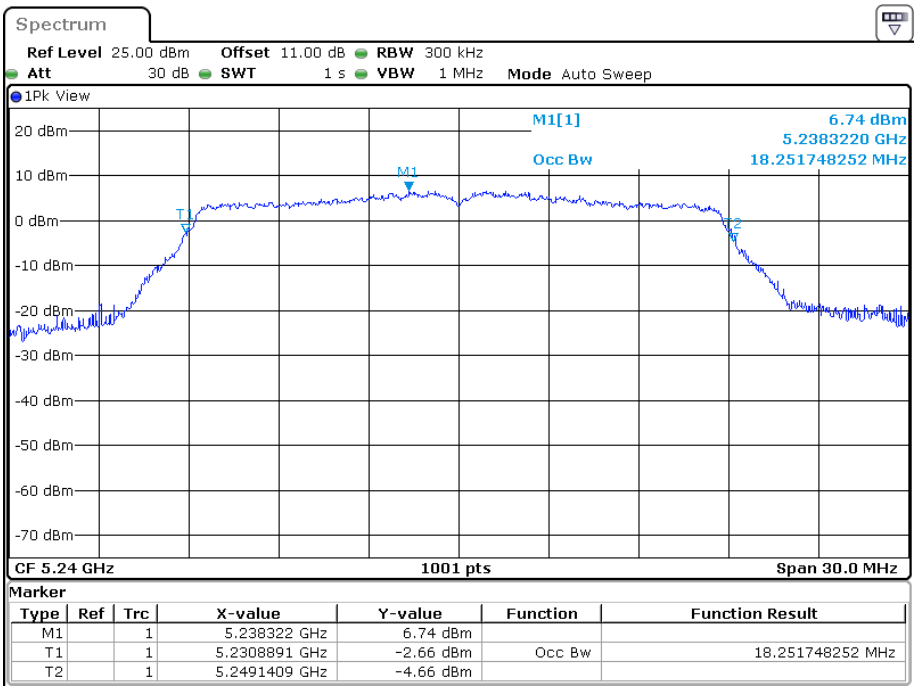



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.197962 GHz | 6.98 dBm | | |
| T1 | | 1 | 5.1908591 GHz | -3.87 dBm | Occ Bw | 18.281718282 MHz |
| T2 | | 1 | 5.2091409 GHz | -3.09 dBm | | |

Date: 27.JUN.2022 22:12:44

## 802.11n20 mode, 5240 MHz

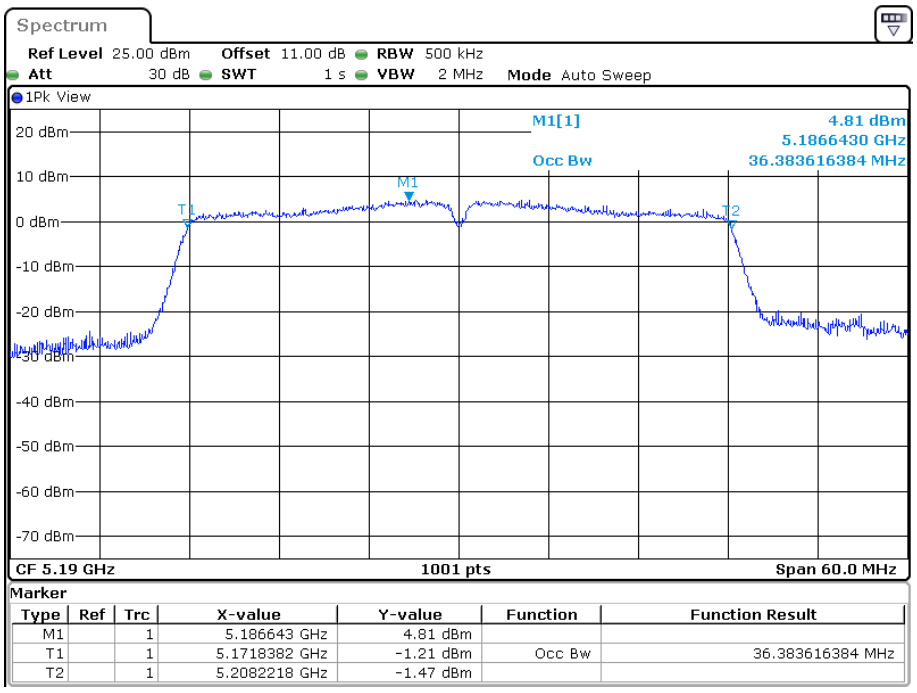



Marker

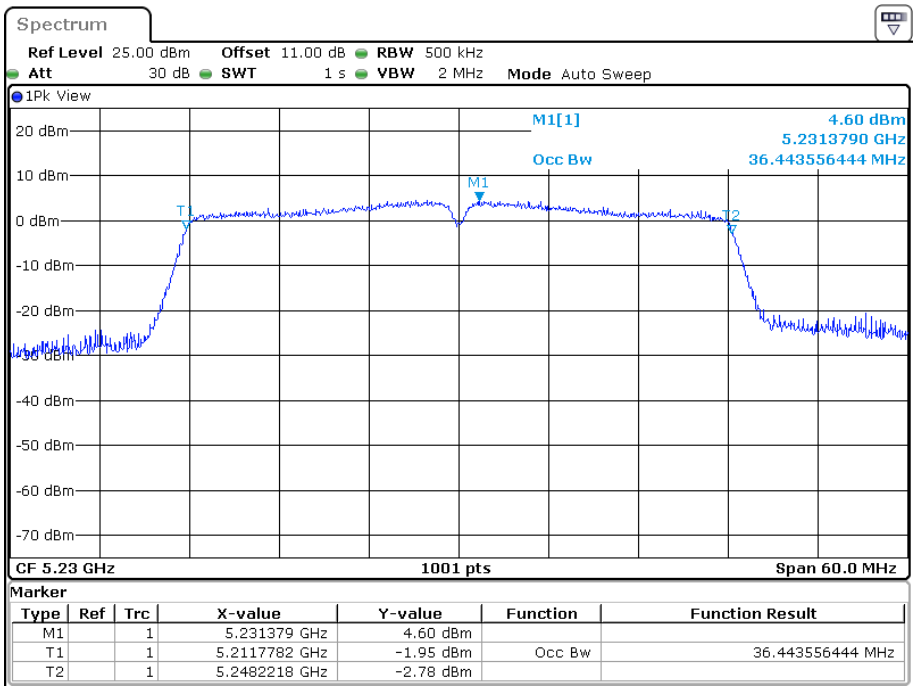
| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.238322 GHz | 6.74 dBm | | |
| T1 | | 1 | 5.2308891 GHz | -2.66 dBm | Occ Bw | 18.251748252 MHz |
| T2 | | 1 | 5.2491409 GHz | -4.66 dBm | | |

Date: 27.JUN.2022 22:15:27

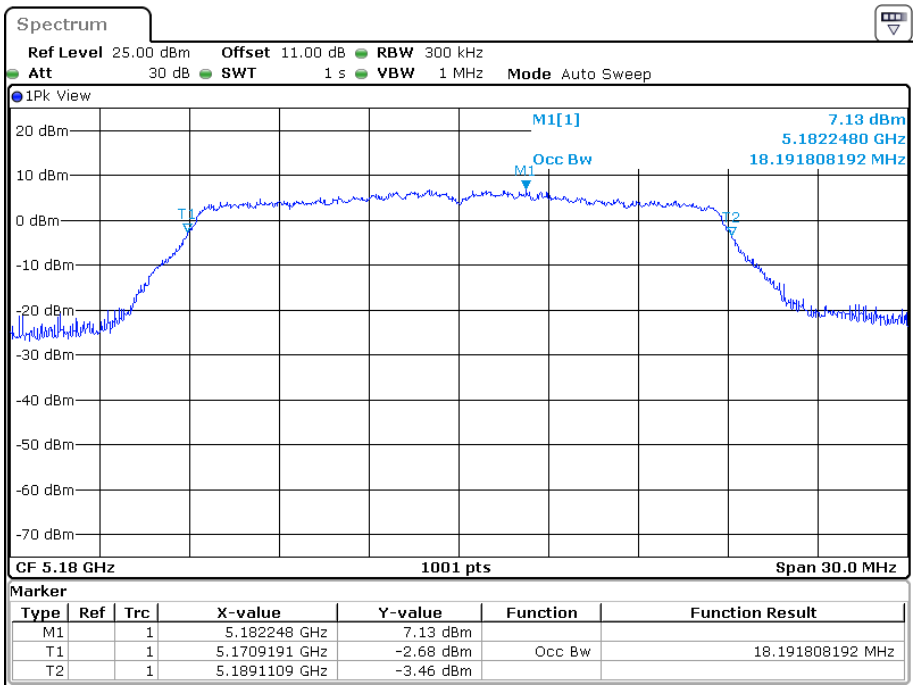
## 802.11n40 mode, 5190 MHz




## 802.11n40 mode, 5230 MHz

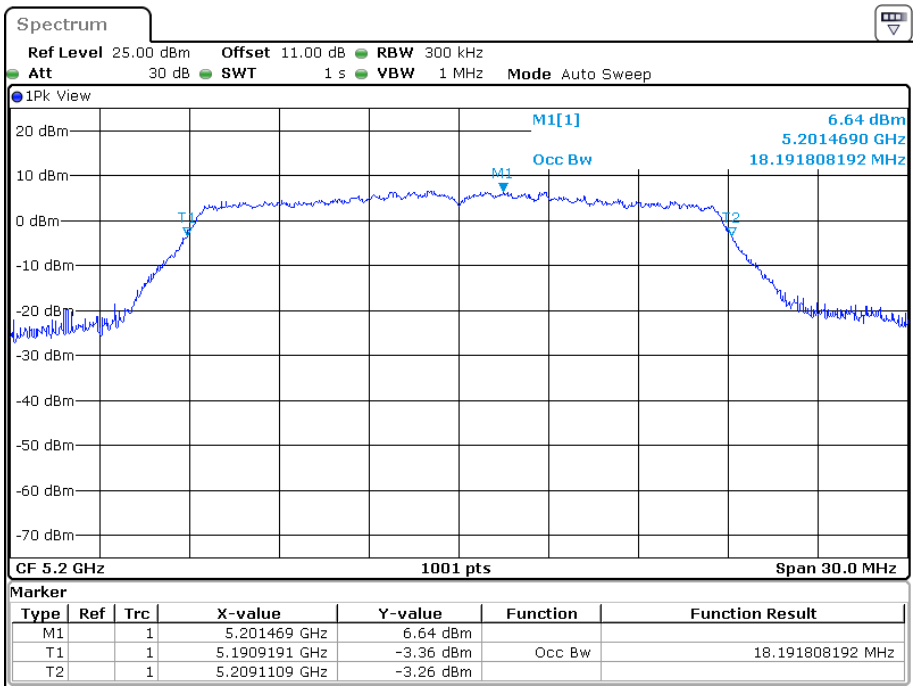


**802.11ac20 mode, 5180 MHz**



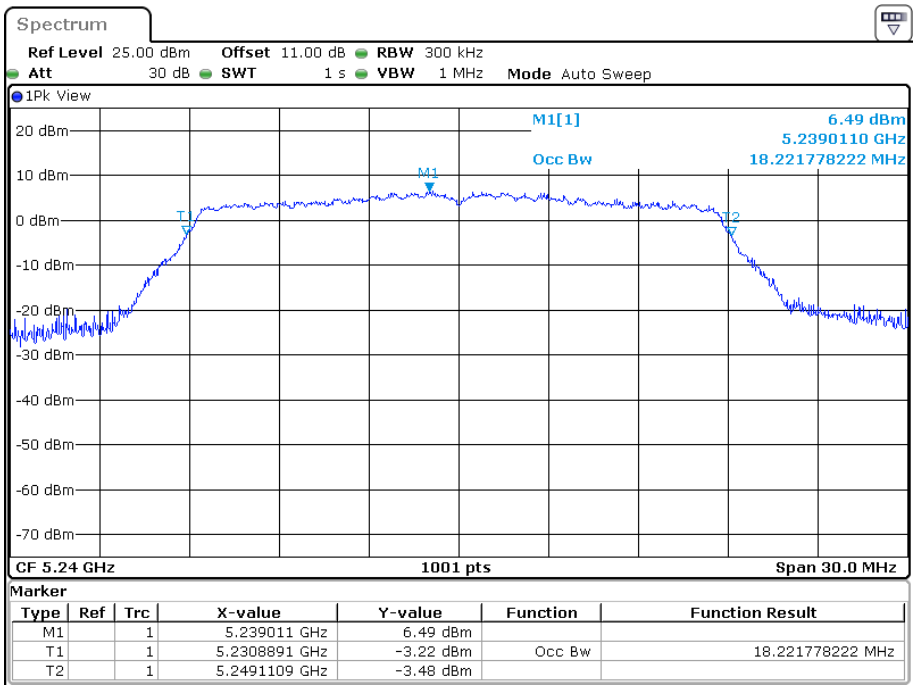

Date: 27.JUN.2022 22:43:35

**802.11ac20 mode, 5200 MHz**




Date: 27.JUN.2022 22:47:08

## 802.11ac20 mode, 5240 MHz

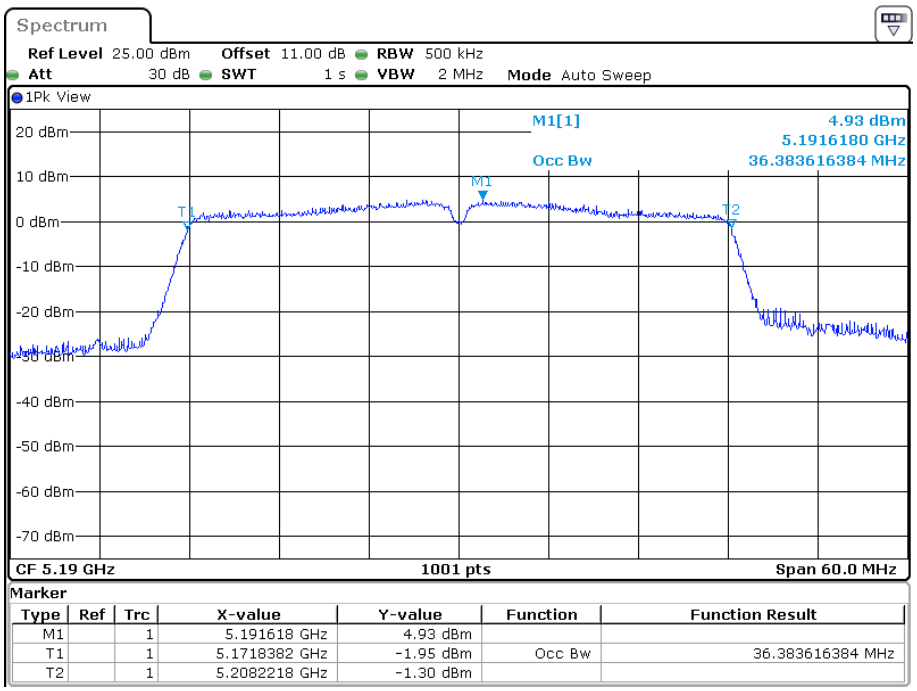



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.239011 GHz | 6.49 dBm | | |
| T1 | | 1 | 5.2308891 GHz | -3.22 dBm | Occ Bw | 18.221778222 MHz |
| T2 | | 1 | 5.2491109 GHz | -3.48 dBm | | |

Date: 27.JUN.2022 22:49:34

## 802.11ac40 mode, 5190 MHz

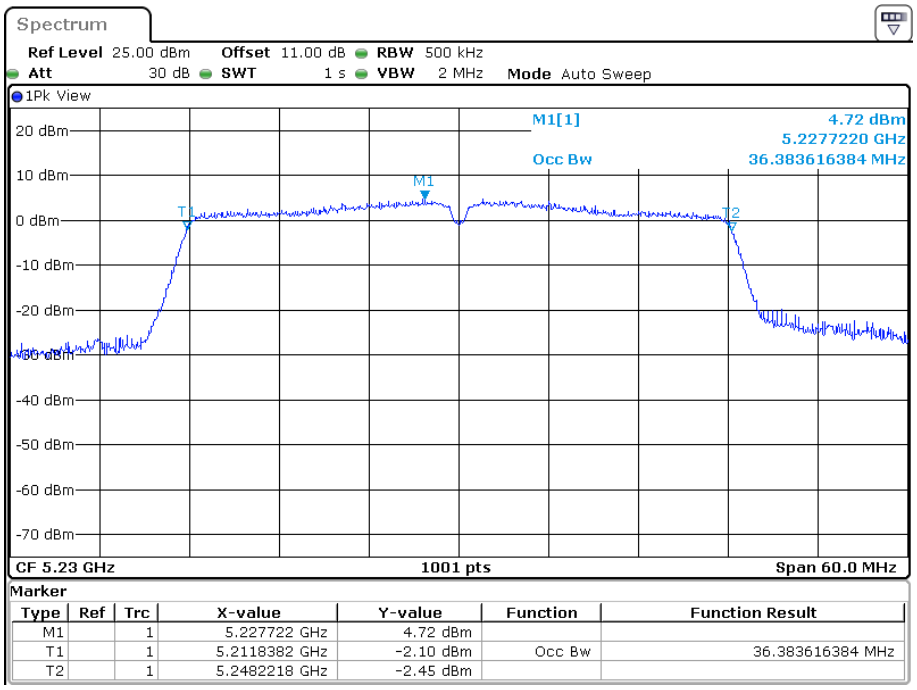



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.191618 GHz | 4.93 dBm | | |
| T1 | | 1 | 5.1718382 GHz | -1.95 dBm | Occ Bw | 36.383616384 MHz |
| T2 | | 1 | 5.2082218 GHz | -1.30 dBm | | |

Date: 27.JUN.2022 23:55:40

**802.11ac40 mode, 5230 MHz**

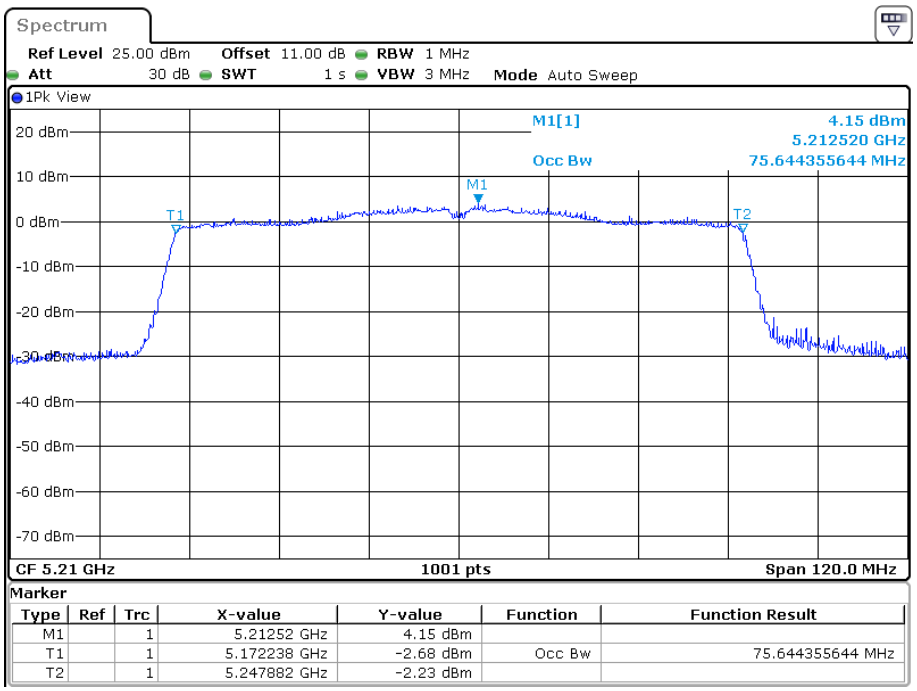



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.227722 GHz | 4.72 dBm | | |
| T1 | | 1 | 5.2118382 GHz | -2.10 dBm | Occ Bw | 36.383616384 MHz |
| T2 | | 1 | 5.2482218 GHz | -2.45 dBm | | |

Date: 27.JUN.2022 23:58:15

**802.11ac80 mode, 5210 MHz**




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.21252 GHz | 4.15 dBm | | |
| T1 | | 1 | 5.172238 GHz | -2.68 dBm | Occ Bw | 75.644355644 MHz |
| T2 | | 1 | 5.247882 GHz | -2.23 dBm | | |

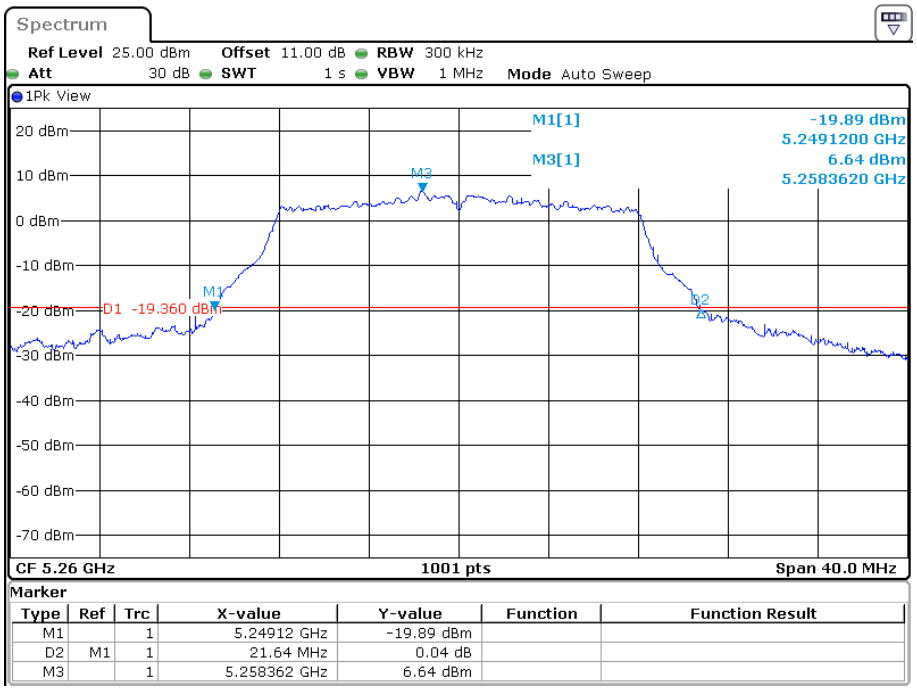
Date: 28.JUN.2022 00:19:27

**5250 MHz - 5350 MHz:**

| Frequency (MHz) | Antenna Port | 26dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
|---|---|---|---|
| 802.11a | | | |
| 5260 | Ant0 | 21.64 | 17.02 |
| 5280 | Ant0 | 21.80 | 17.02 |
| 5320 | Ant0 | 21.68 | 17.05 |
| 802.11n20 | | | |
| 5260 | Ant0 | 23.16 | 18.19 |
| 5280 | Ant0 | 22.28 | 18.22 |
| 5320 | Ant0 | 22.00 | 18.22 |
| 802.11n40 | | | |
| 5270 | Ant0 | 40.80 | 36.44 |
| 5310 | Ant0 | 41.76 | 36.44 |
| 802.11ac20 | | | |
| 5260 | Ant0 | 24.28 | 18.16 |
| 5280 | Ant0 | 22.56 | 18.19 |
| 5320 | Ant0 | 21.88 | 18.19 |
| 802.11ac40 | | | |
| 5270 | Ant0 | 42.08 | 36.32 |
| 5310 | Ant0 | 41.84 | 36.38 |
| 802.11ac80 | | | |
| 5290 | Ant0 | 82.40 | 75.64 |

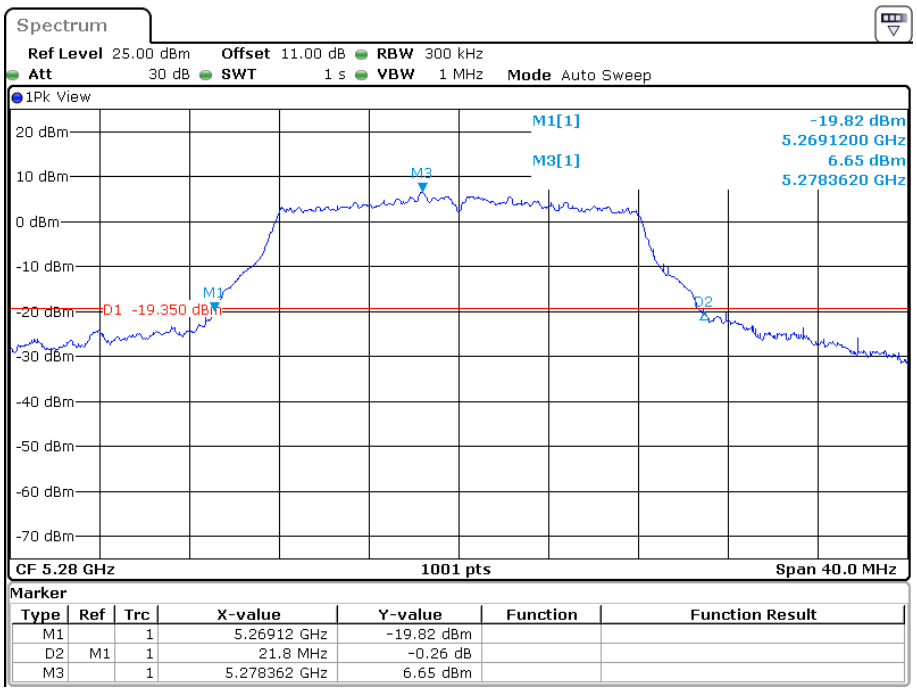
## 26 dB Emission Bandwidth

### 802.11a mode, 5260 MHz



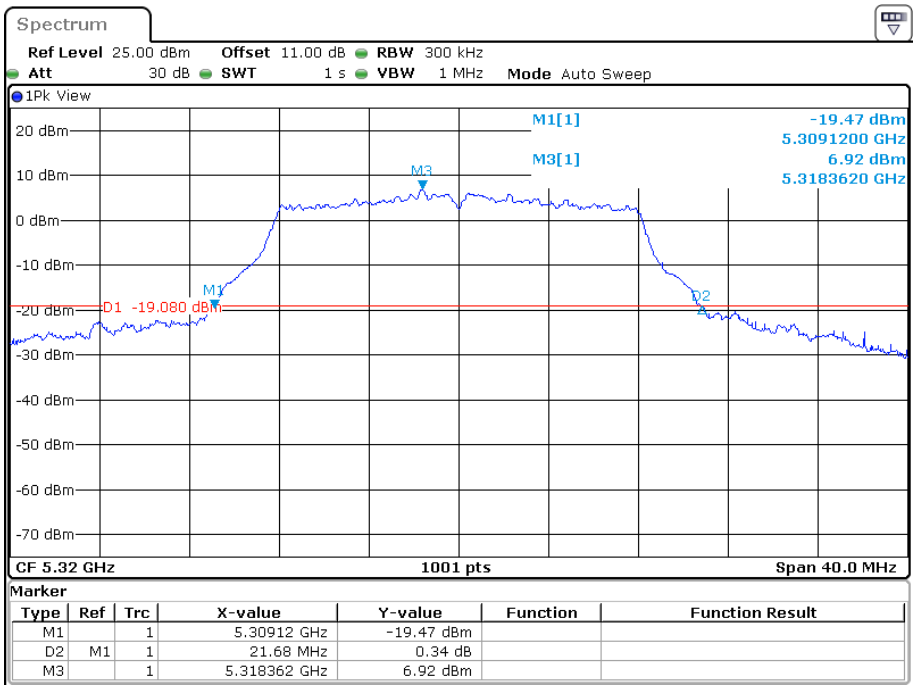

Date: 27.JUN.2022 21:25:38

### 802.11a mode, 5280MHz




Date: 27.JUN.2022 21:28:16

## 802.11a mode, 5320MHz

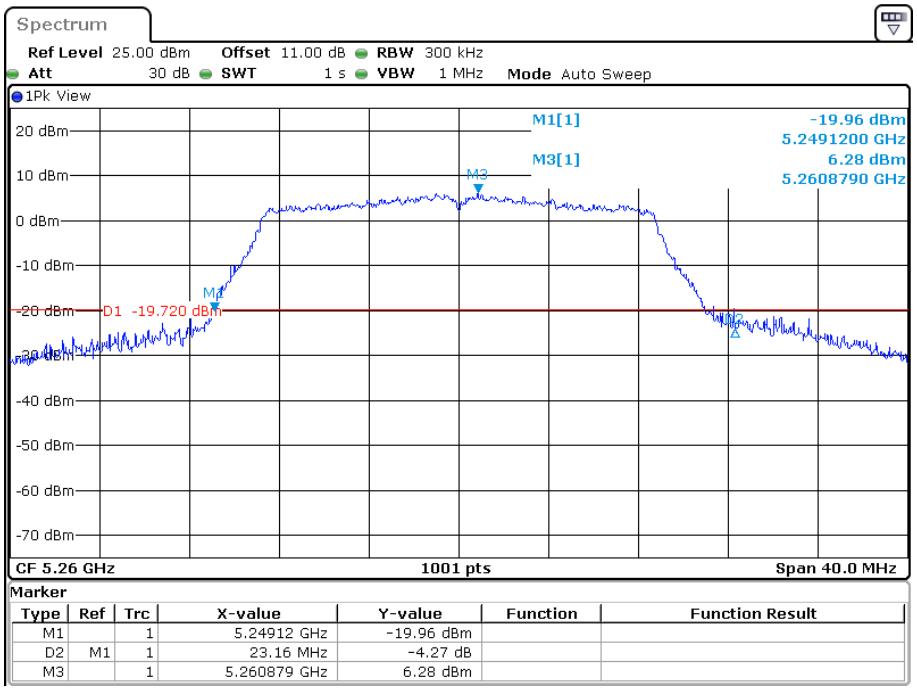



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.30912 GHz | -19.47 dBm | | |
| D2 | M1 | 1 | 21.68 MHz | 0.34 dB | | |
| M3 | | 1 | 5.318362 GHz | 6.92 dBm | | |

Date: 27.JUN.2022 21:31:44

## 802.11n20 mode,5260 MHz

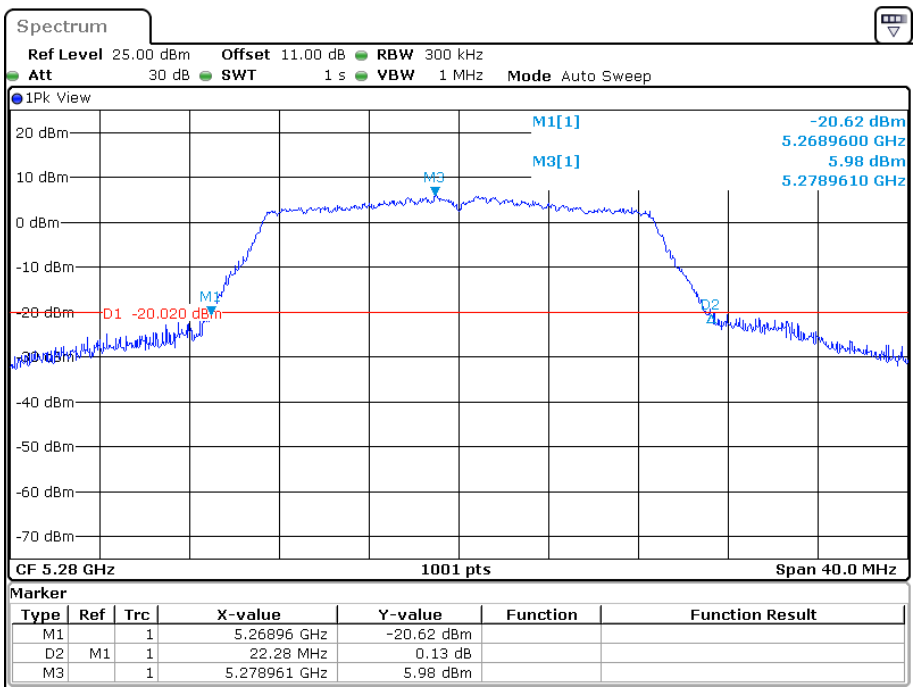



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.24912 GHz | -19.96 dBm | | |
| D2 | M1 | 1 | 23.16 MHz | -4.27 dB | | |
| M3 | | 1 | 5.260879 GHz | 6.28 dBm | | |

Date: 27.JUN.2022 22:20:52

**802.11n20 mode, 5280MHz**

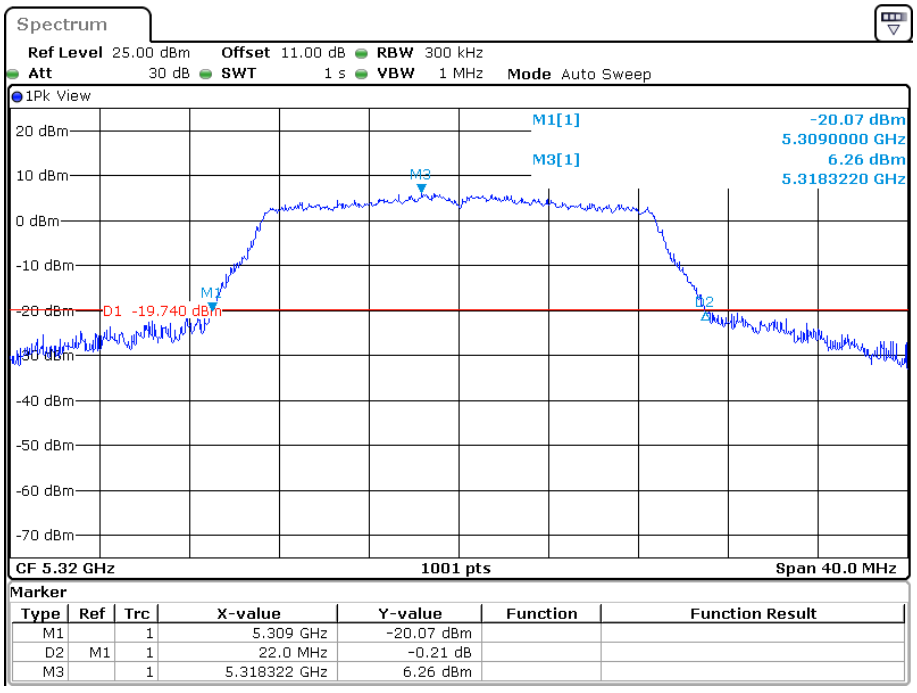



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.26896 GHz | -20.62 dBm | | |
| D2 | M1 | 1 | 22.28 MHz | 0.13 dB | | |
| M3 | | 1 | 5.278961 GHz | 5.98 dBm | | |

Date: 27.JUN.2022 22:22:51

**802.11n20 mode, 5320 MHz**

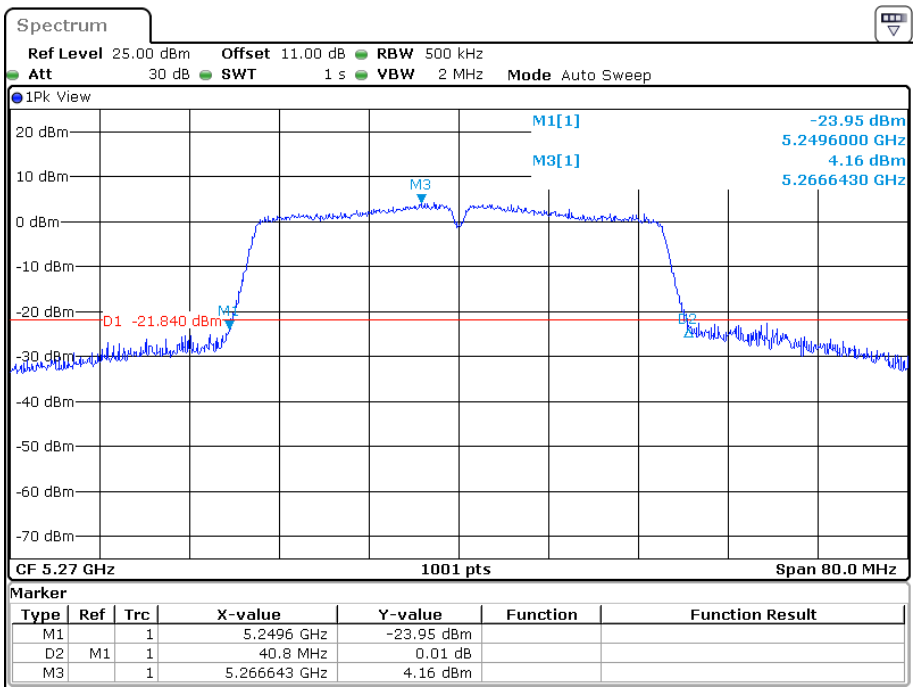



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.309 GHz | -20.07 dBm | | |
| D2 | M1 | 1 | 22.0 MHz | -0.21 dB | | |
| M3 | | 1 | 5.318322 GHz | 6.26 dBm | | |

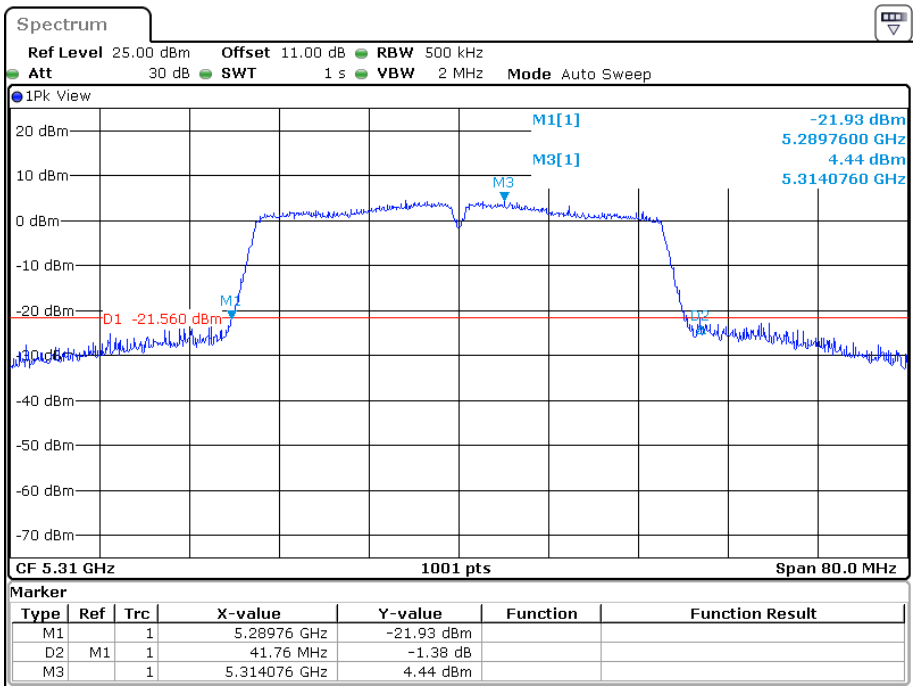
Date: 27.JUN.2022 22:25:19

## 802.11n40 mode, 5270 MHz



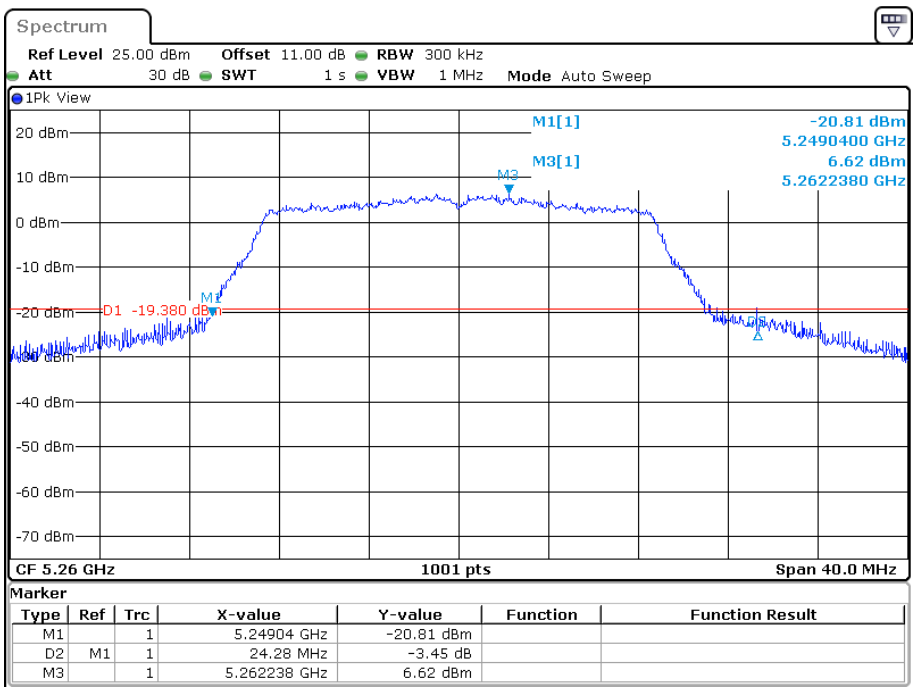

Date: 27.JUN.2022 23:36:24

## 802.11n40 mode, 5310 MHz



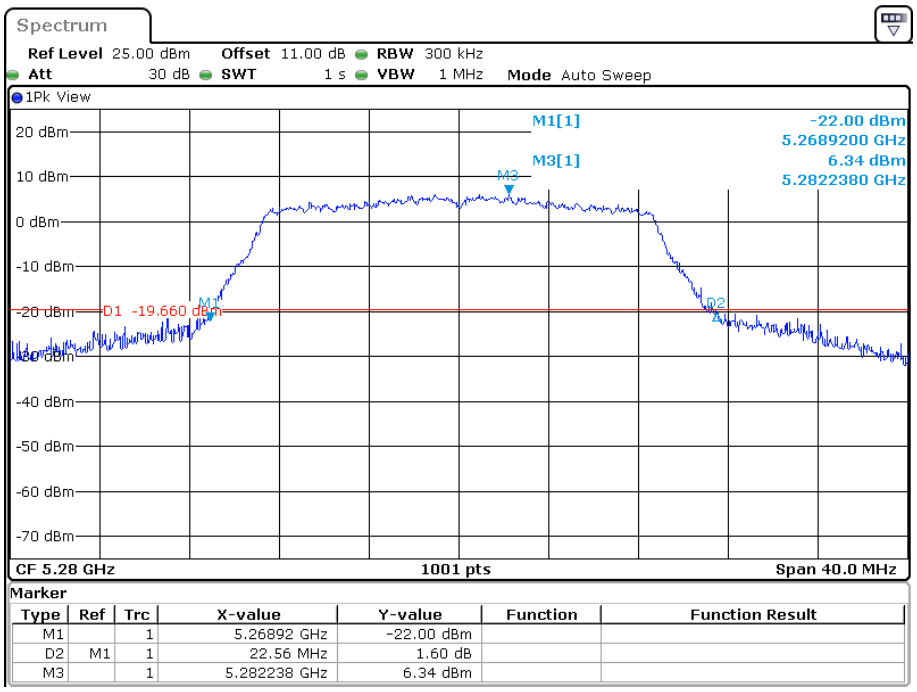

Date: 27.JUN.2022 23:38:53

**802.11ac20 mode, 5260 MHz**



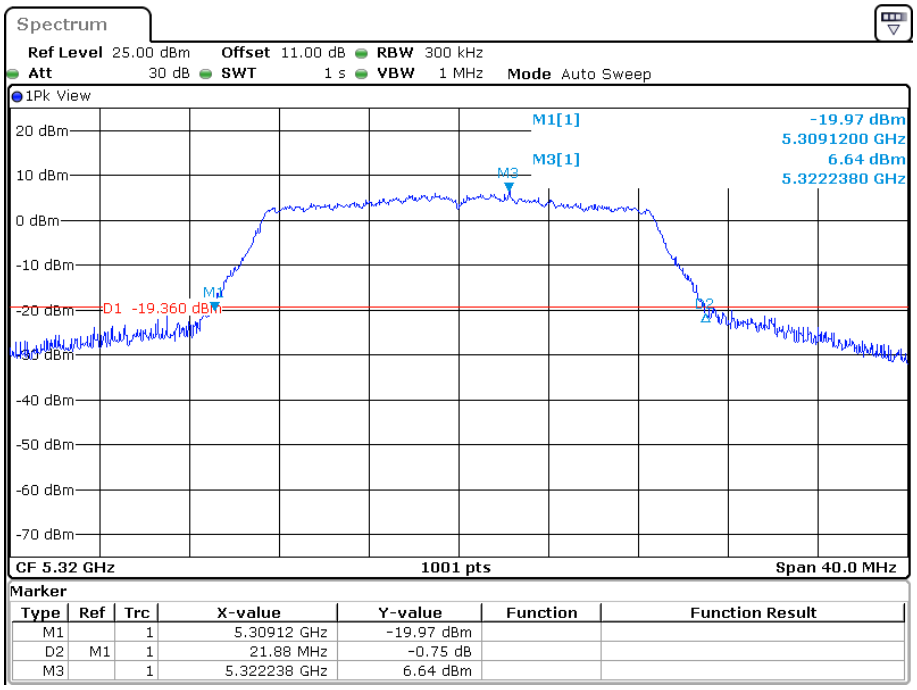

Date: 27.JUN.2022 22:56:49

**802.11ac20 mode, 5280 MHz**



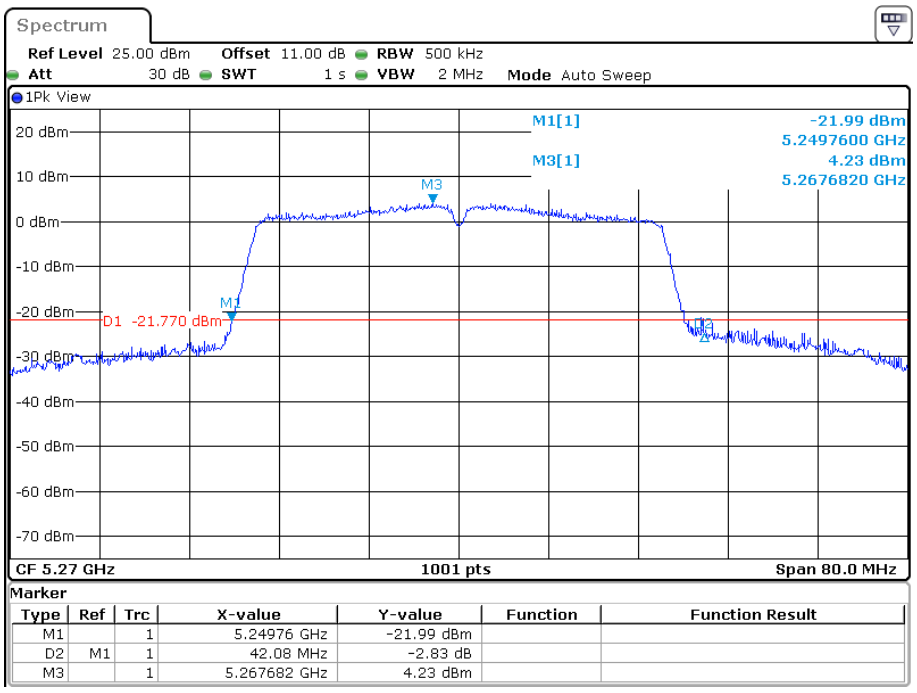

Date: 27.JUN.2022 23:04:32

**802.11ac20 mode, 5320 MHz**



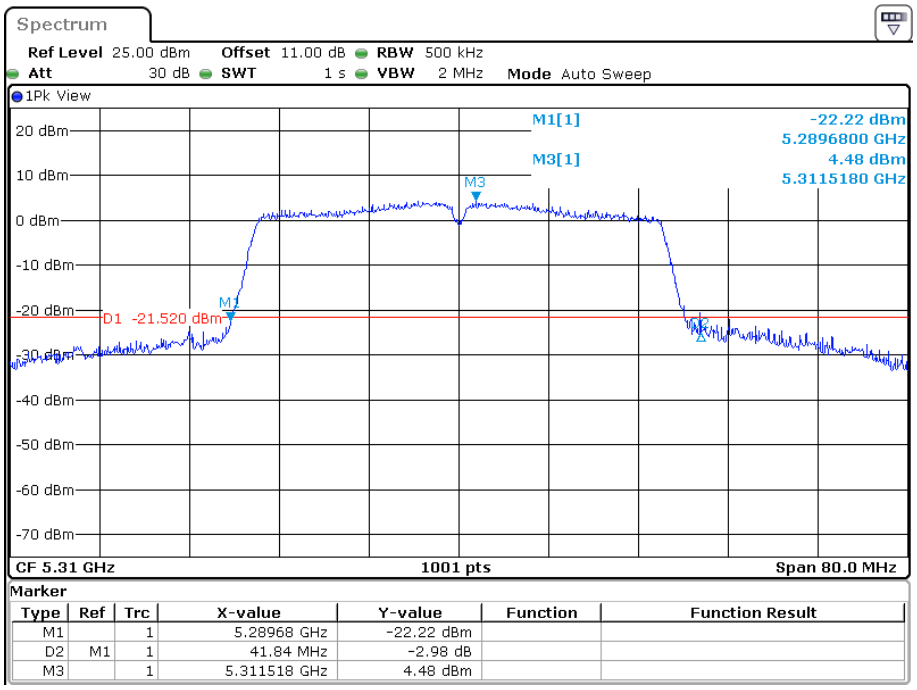

Date: 27.JUN.2022 22:59:24

**802.11ac40 mode, 5270 MHz**



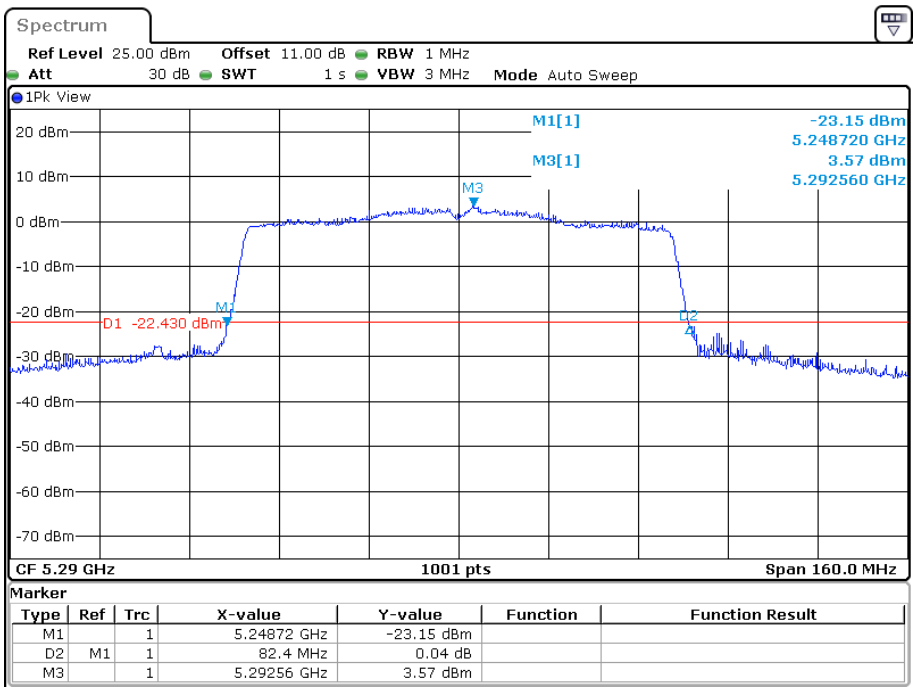

Date: 28.JUN.2022 00:01:28

**802.11ac40 mode, 5310MHz**




Date: 28.JUN.2022 00:04:00

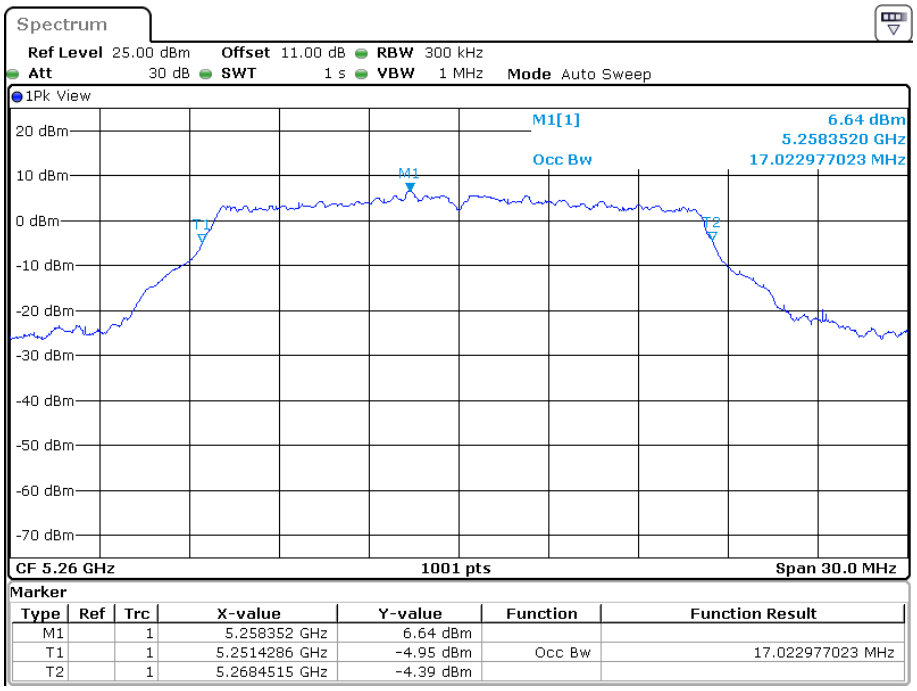
**802.11ac80 mode, 5290 MHz**




Date: 28.JUN.2022 00:22:48

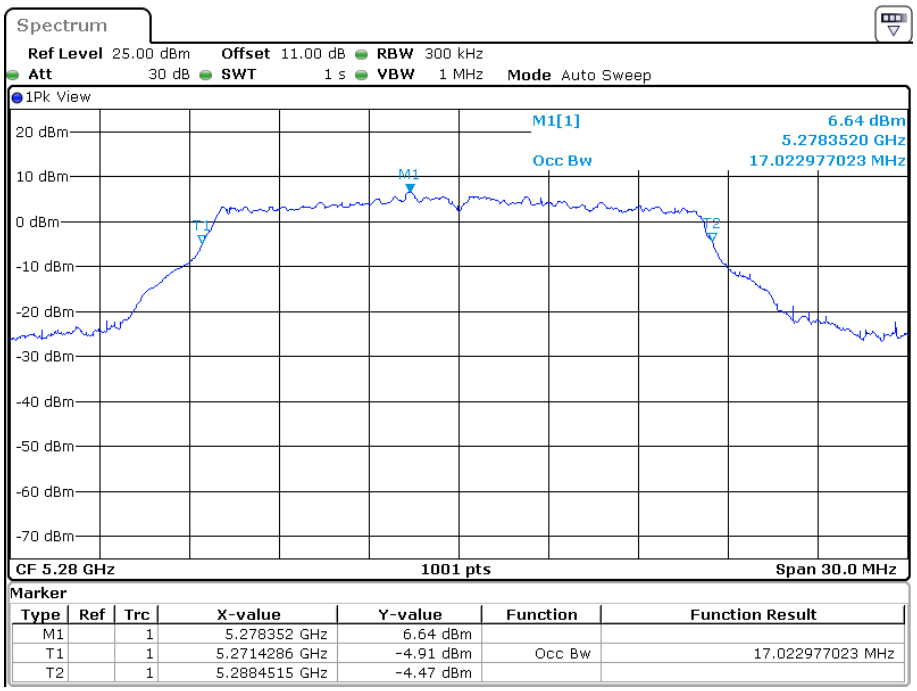
**99% Occupied Bandwidth**

**802.11a mode, 5260 MHz**



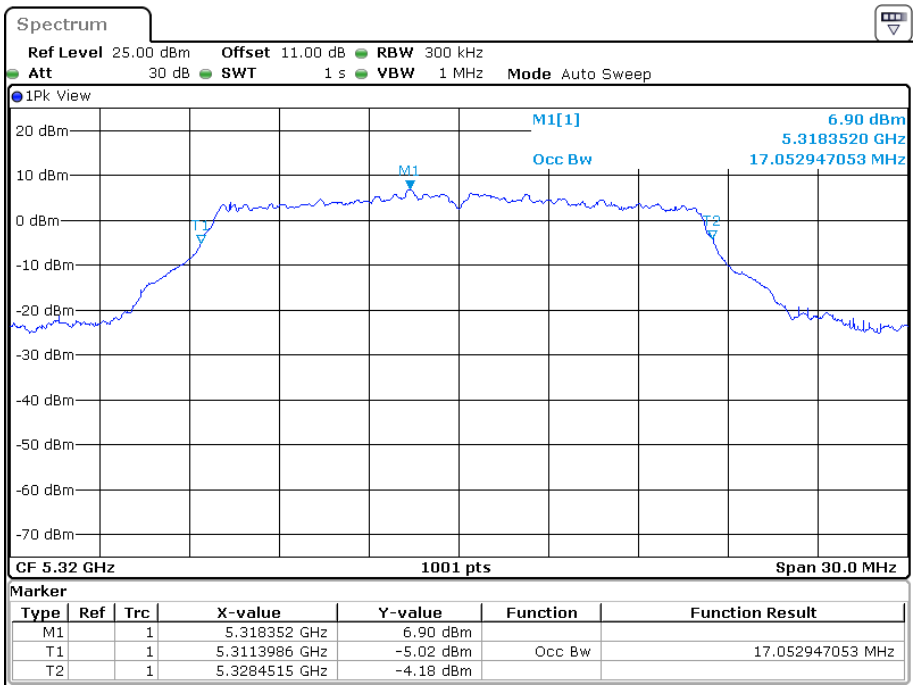

Date: 27.JUN.2022 21:25:08

**802.11a mode, 5280MHz**




Date: 27.JUN.2022 21:27:47

## 802.11a mode, 5320MHz

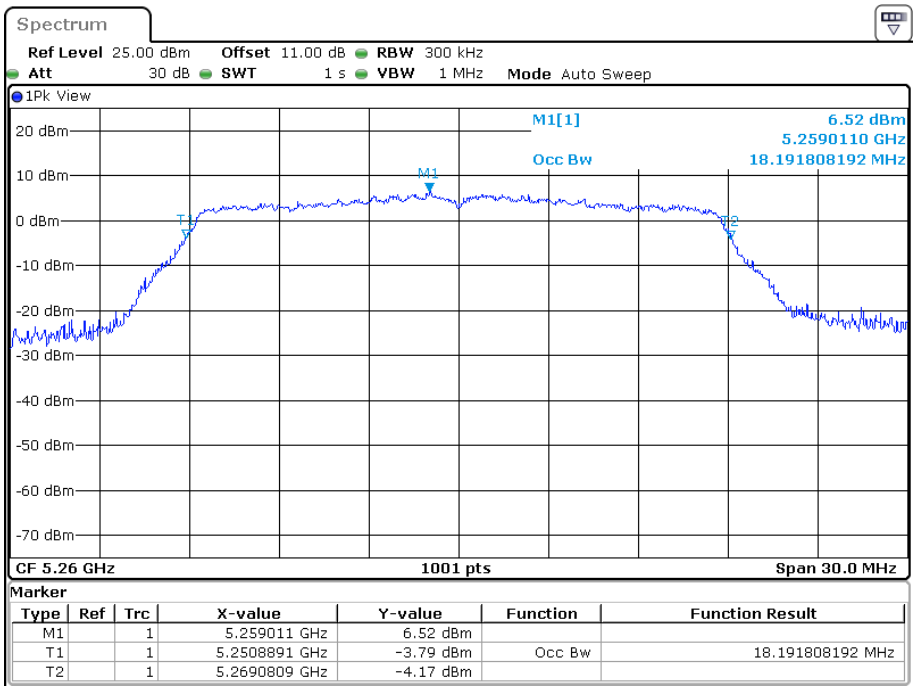



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.318352 GHz | 6.90 dBm | | |
| T1 | | 1 | 5.3113986 GHz | -5.02 dBm | Occ Bw | 17.052947053 MHz |
| T2 | | 1 | 5.3284515 GHz | -4.18 dBm | | |

Date: 27.JUN.2022 21:31:15

## 802.11n20 mode,5260 MHz

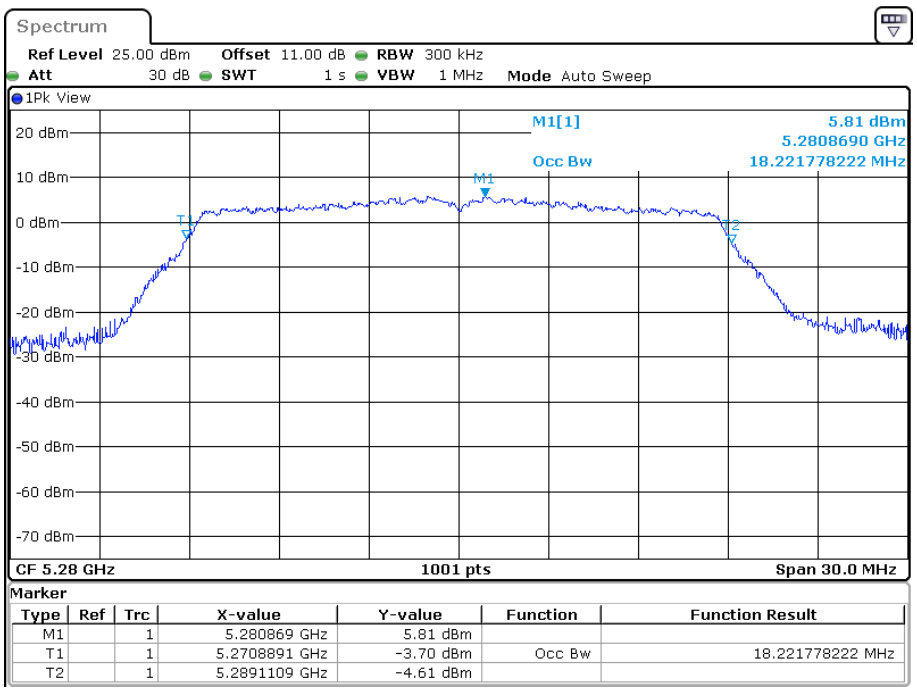



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.259011 GHz | 6.52 dBm | | |
| T1 | | 1 | 5.2508891 GHz | -3.79 dBm | Occ Bw | 18.191808192 MHz |
| T2 | | 1 | 5.2690809 GHz | -4.17 dBm | | |

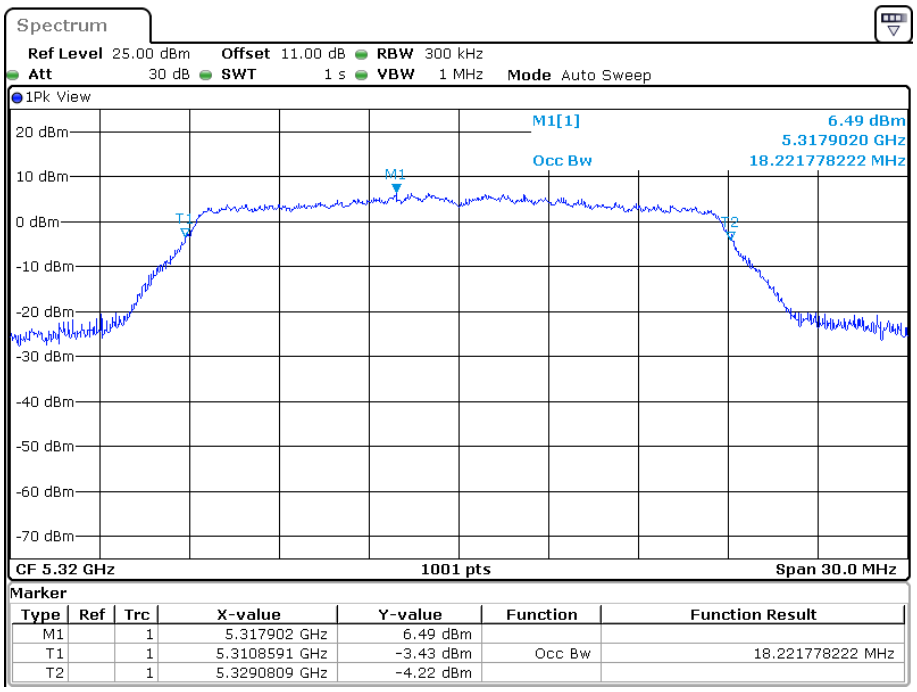
Date: 27.JUN.2022 22:18:04

**802.11n20 mode, 5280MHz**



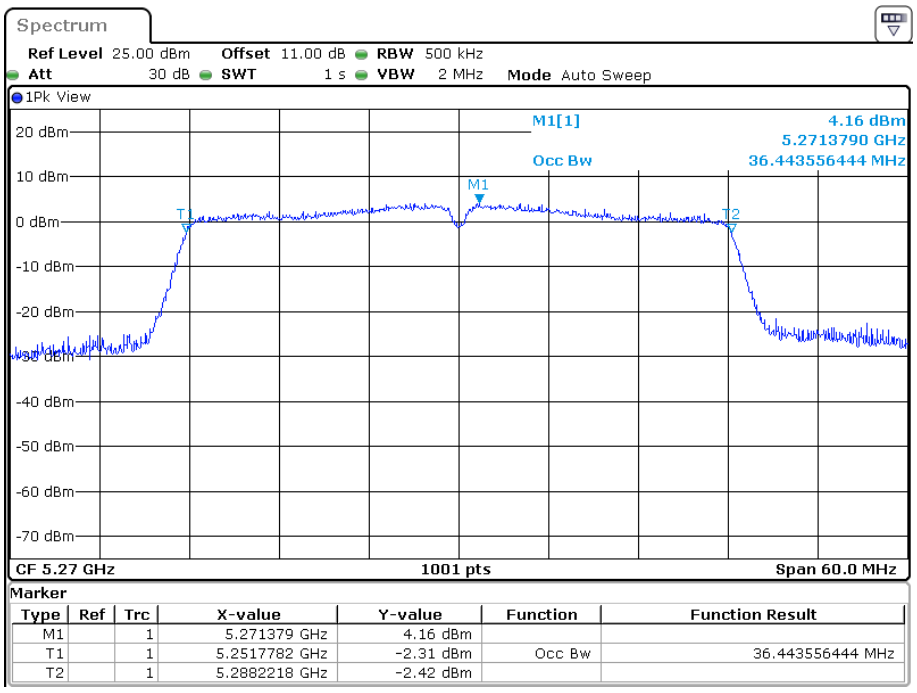

Date: 27.JUN.2022 22:22:22

**802.11n20 mode, 5320 MHz**



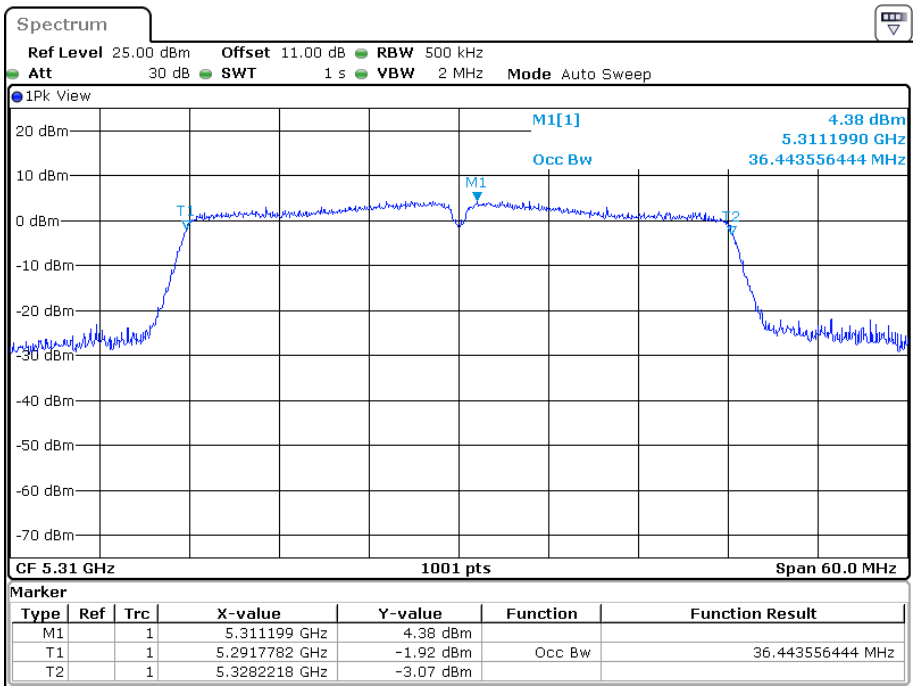

Date: 27.JUN.2022 22:24:49

## 802.11n40 mode, 5270 MHz



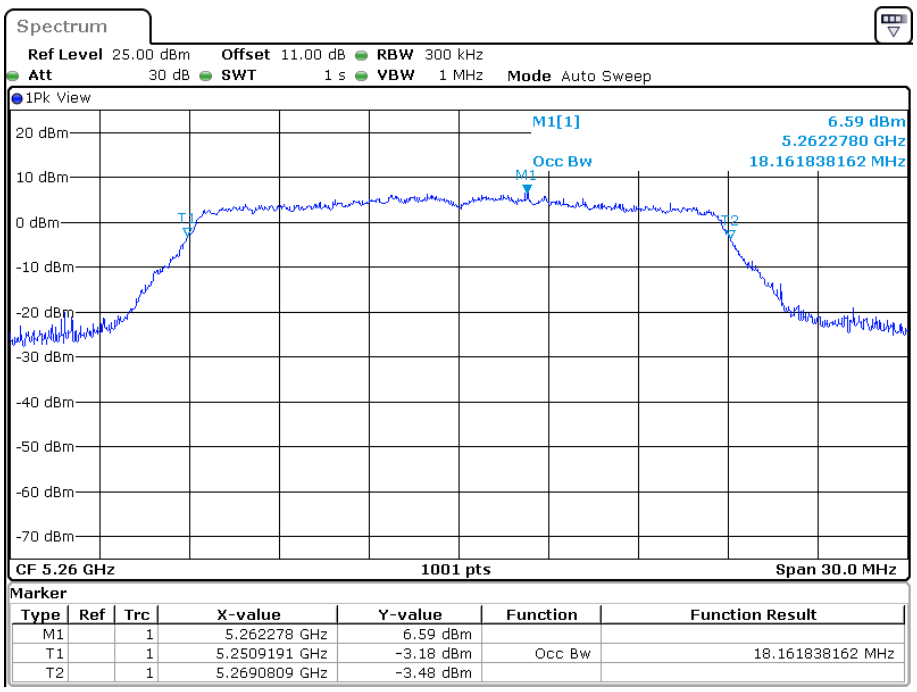

Date: 27.JUN.2022 23:35:54

## 802.11n40 mode, 5310 MHz




Date: 27.JUN.2022 23:38:24

## 802.11ac20 mode, 5260 MHz

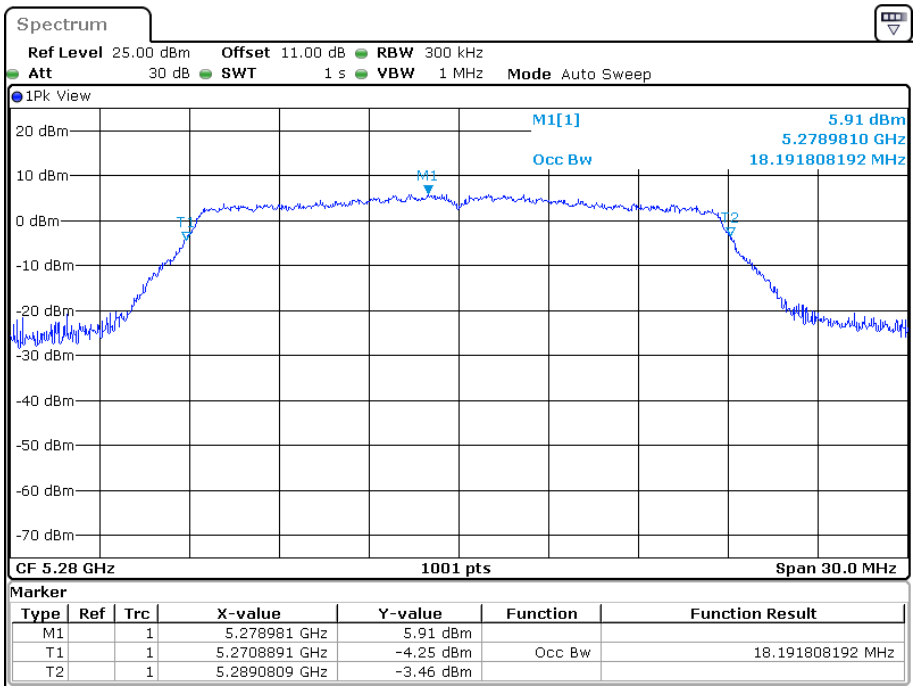



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.262278 GHz | 6.59 dBm | | |
| T1 | | 1 | 5.2509191 GHz | -3.18 dBm | Occ Bw | 18.161838162 MHz |
| T2 | | 1 | 5.2690809 GHz | -3.48 dBm | | |

Date: 27.JUN.2022 22:56:19

## 802.11ac20 mode, 5280 MHz

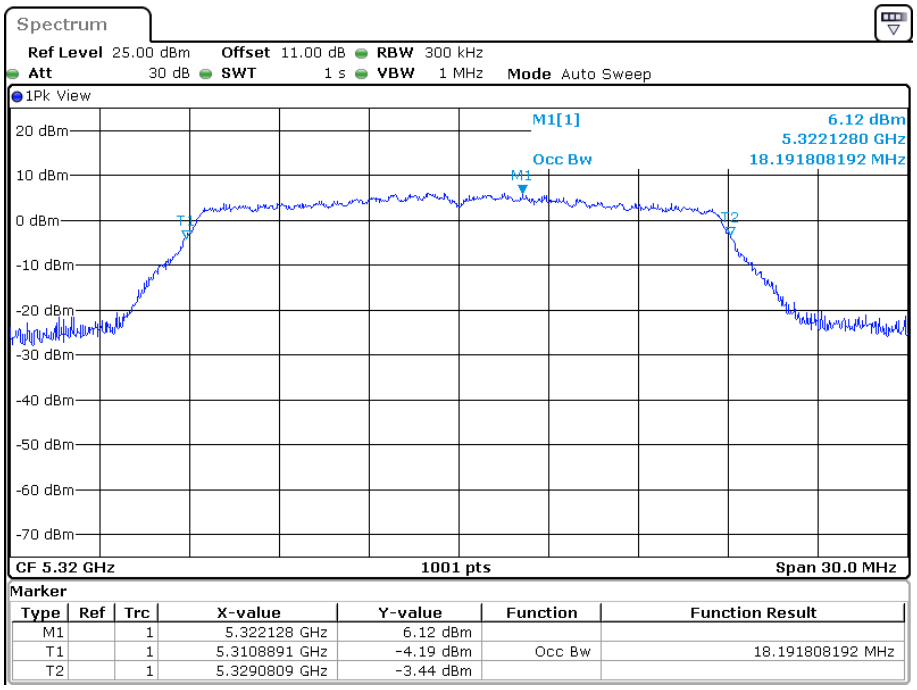



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.278981 GHz | 5.91 dBm | | |
| T1 | | 1 | 5.2708891 GHz | -4.25 dBm | Occ Bw | 18.191808192 MHz |
| T2 | | 1 | 5.2890809 GHz | -3.46 dBm | | |

Date: 27.JUN.2022 23:04:02

## 802.11ac20 mode, 5320 MHz

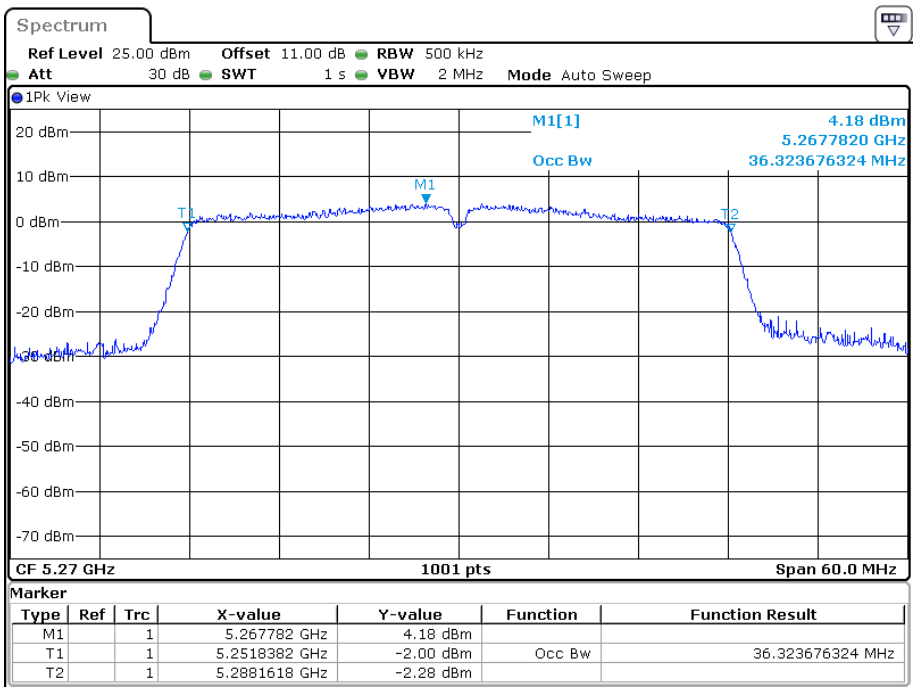



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.322128 GHz | 6.12 dBm | | |
| T1 | | 1 | 5.3108891 GHz | -4.19 dBm | Occ Bw | 18.191808192 MHz |
| T2 | | 1 | 5.3290809 GHz | -3.44 dBm | | |

Date: 27.JUN.2022 22:58:54

## 802.11ac40 mode, 5270 MHz

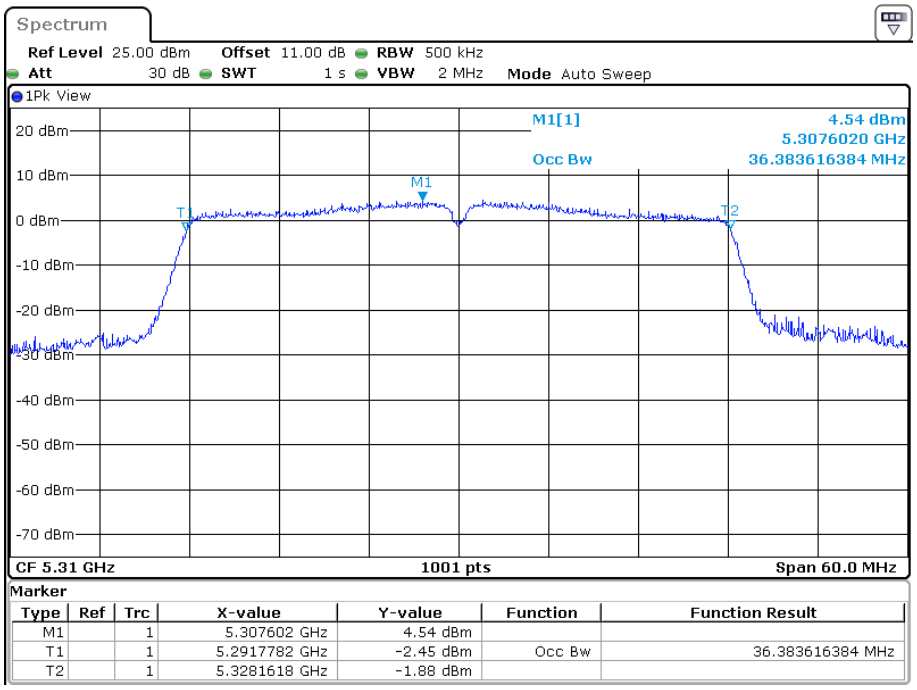



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.267782 GHz | 4.18 dBm | | |
| T1 | | 1 | 5.2518382 GHz | -2.00 dBm | Occ Bw | 36.323676324 MHz |
| T2 | | 1 | 5.2881618 GHz | -2.28 dBm | | |

Date: 28.JUN.2022 00:00:58

**802.11ac40 mode, 5310MHz**

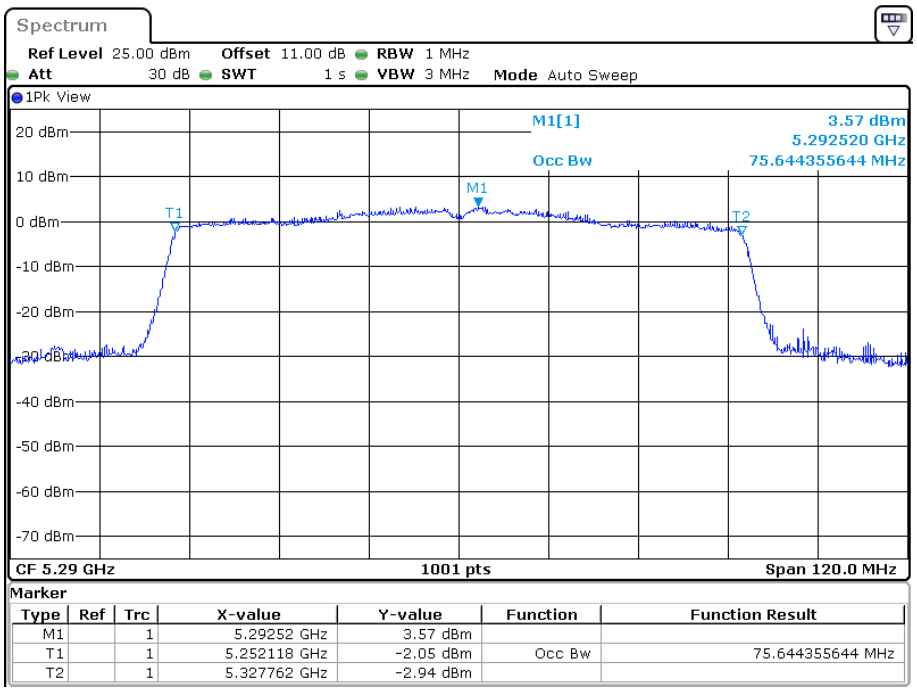



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.307602 GHz | 4.54 dBm | | |
| T1 | | 1 | 5.2917782 GHz | -2.45 dBm | Occ Bw | 36.383616384 MHz |
| T2 | | 1 | 5.3281618 GHz | -1.88 dBm | | |

Date: 28.JUN.2022 00:03:30

**802.11ac80 mode, 5290 MHz**




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.29252 GHz | 3.57 dBm | | |
| T1 | | 1 | 5.252118 GHz | -2.05 dBm | Occ Bw | 75.644355644 MHz |
| T2 | | 1 | 5.327762 GHz | -2.94 dBm | | |

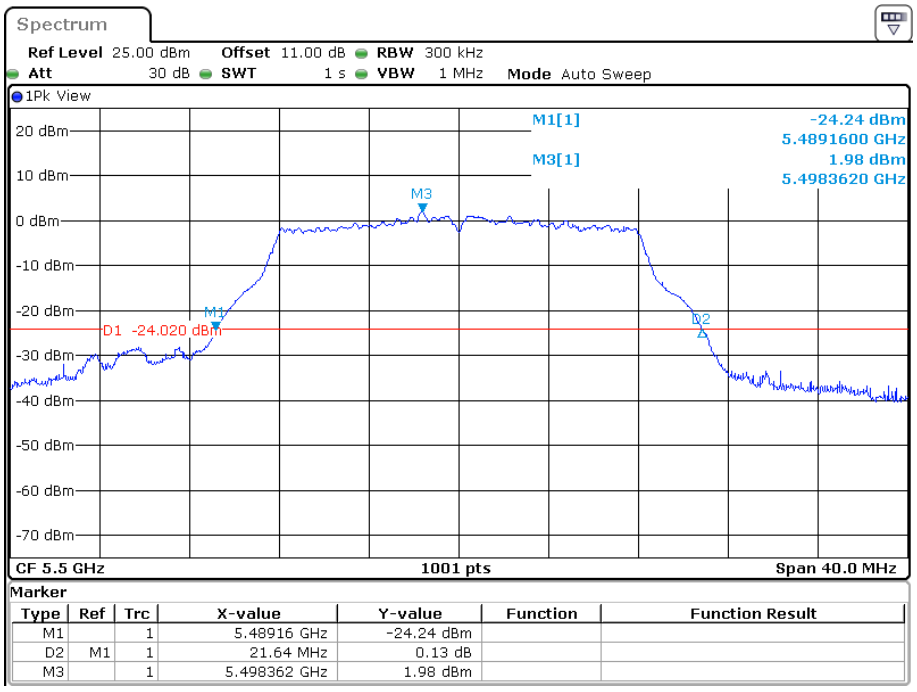
Date: 28.JUN.2022 00:22:19

**5470-5725MHz:**

| Frequency (MHz) | Antenna Port | 26dB bandwidth (MHz) | 99% Bandwidth (MHz) |
|---|---|---|---|
| **802.11a** | | | |
| 5500 | Ant0 | 21.64 | 17.02 |
| 5580 | Ant0 | 21.60 | 17.02 |
| 5700 | Ant0 | 21.56 | 17.02 |
| **802.11n20** | | | |
| 5500 | Ant0 | 21.92 | 18.16 |
| 5580 | Ant0 | 21.96 | 18.16 |
| 5700 | Ant0 | 22.04 | 18.16 |
| **802.11n40** | | | |
| 5510 | Ant0 | 40.64 | 36.38 |
| 5550 | Ant0 | 40.16 | 36.38 |
| 5670 | Ant0 | 40.72 | 36.38 |
| **802.11ac20** | | | |
| 5500 | Ant0 | 21.92 | 18.10 |
| 5580 | Ant0 | 21.96 | 18.13 |
| 5700 | Ant0 | 22.04 | 18.13 |
| **802.11ac40** | | | |
| 5510 | Ant0 | 40.40 | 36.38 |
| 5550 | Ant0 | 40.48 | 36.32 |
| 5670 | Ant0 | 40.40 | 36.32 |
| **802.11ac80** | | | |
| 5530 | Ant0 | 82.56 | 75.76 |
| 5610 | Ant0 | 82.40 | 75.76 |

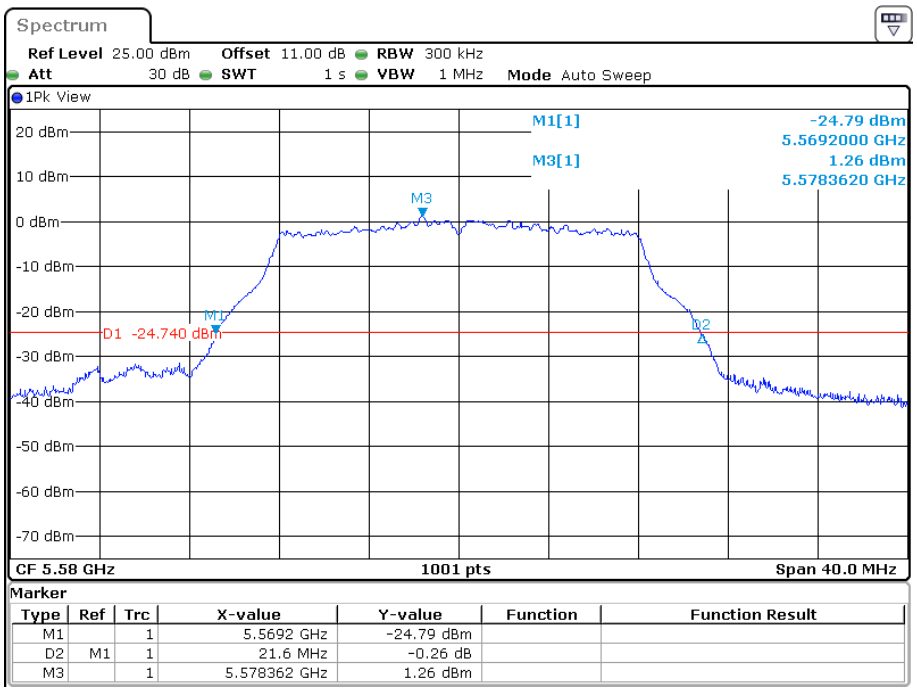
## 26 dB Emission Bandwidth

### 802.11a mode, 5500MHz



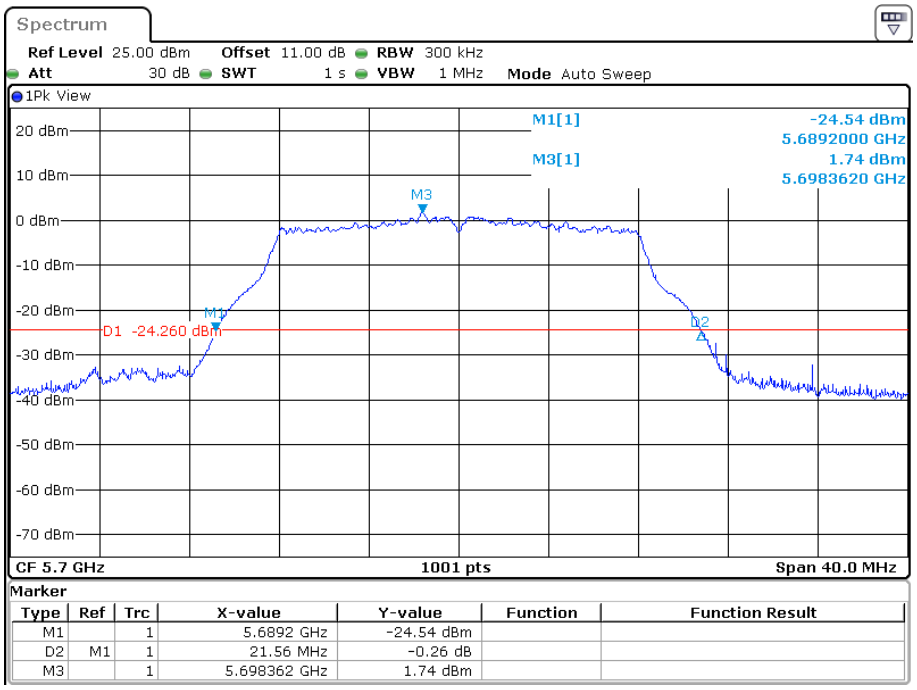

Date: 27.JUN.2022 21:34:23

### 802.11a mode, 5580MHz




Date: 27.JUN.2022 21:37:00

## 802.11a mode, 5700MHz

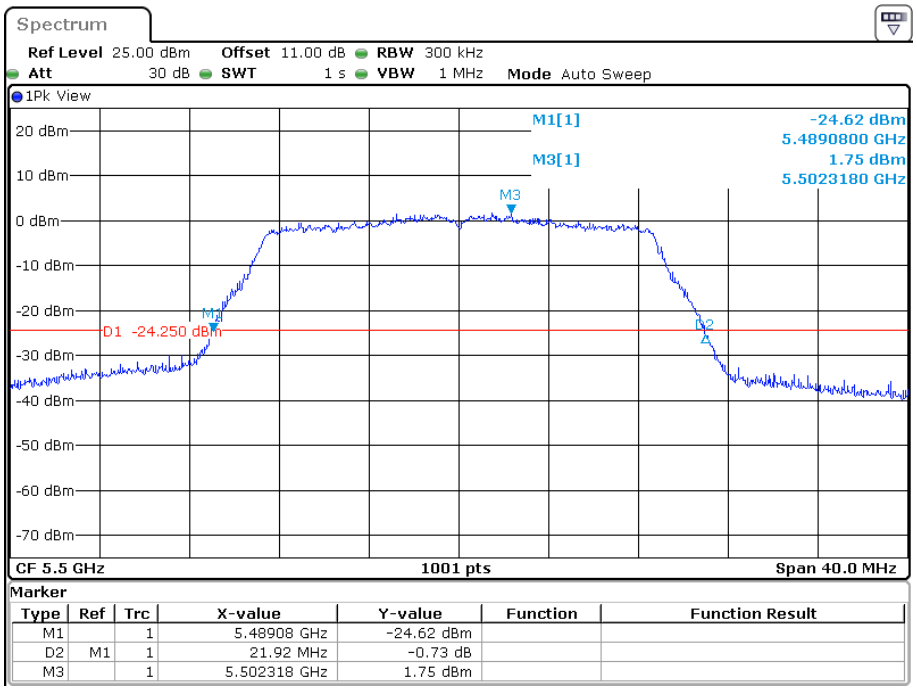



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.6892 GHz | -24.54 dBm | | |
| D2 | M1 | 1 | 21.56 MHz | -0.26 dB | | |
| M3 | | 1 | 5.698362 GHz | 1.74 dBm | | |

Date: 27.JUN.2022 21:39:35

## 802.11n20 mode,5500 MHz

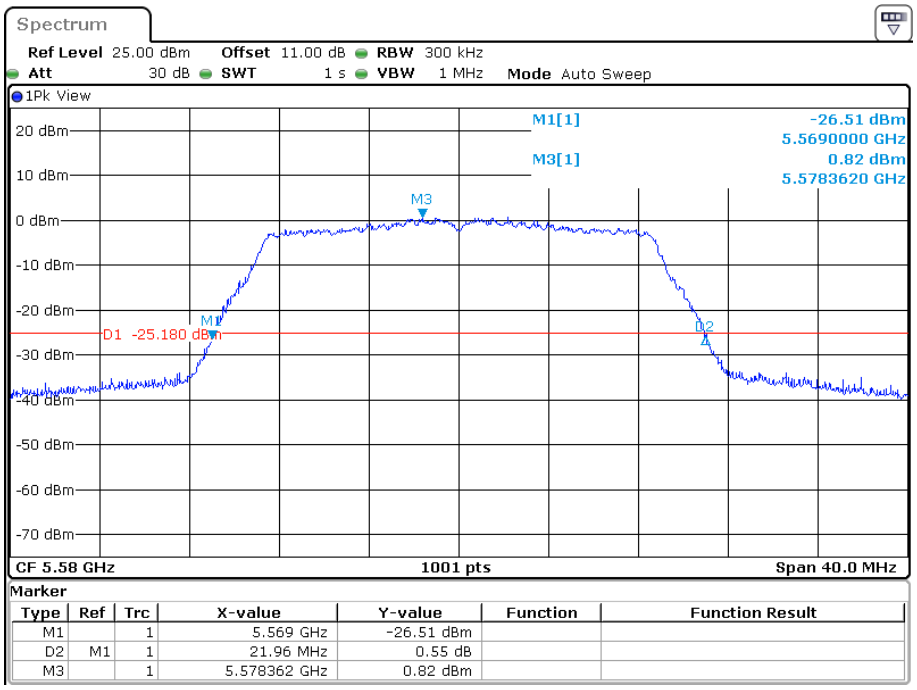



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.48908 GHz | -24.62 dBm | | |
| D2 | M1 | 1 | 21.92 MHz | -0.73 dB | | |
| M3 | | 1 | 5.502318 GHz | 1.75 dBm | | |

Date: 27.JUN.2022 22:28:13

## 802.11n20 mode, 5580 MHz

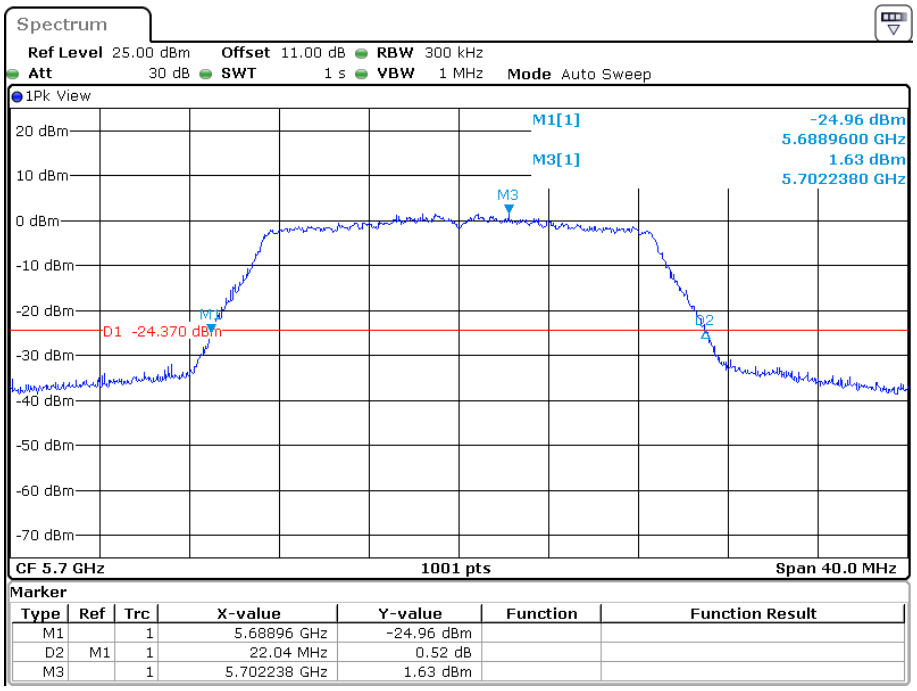



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.569 GHz | -26.51 dBm | | |
| D2 | M1 | 1 | 21.96 MHz | 0.55 dB | | |
| M3 | | 1 | 5.578362 GHz | 0.82 dBm | | |

Date: 27.JUN.2022 22:30:53

## 802.11n20 mode, 5700 MHz

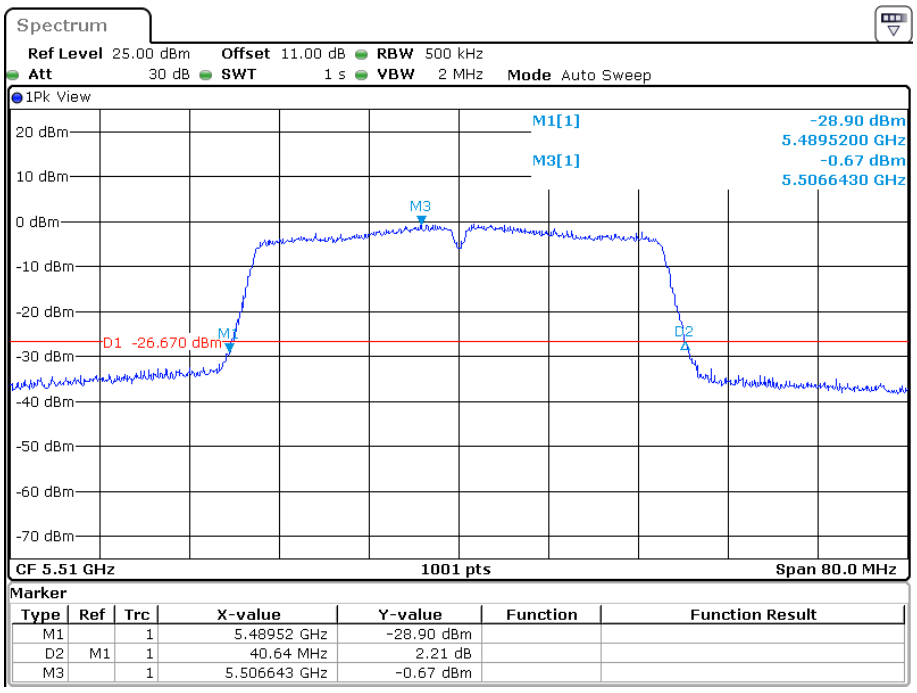



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.68896 GHz | -24.96 dBm | | |
| D2 | M1 | 1 | 22.04 MHz | 0.52 dB | | |
| M3 | | 1 | 5.702238 GHz | 1.63 dBm | | |

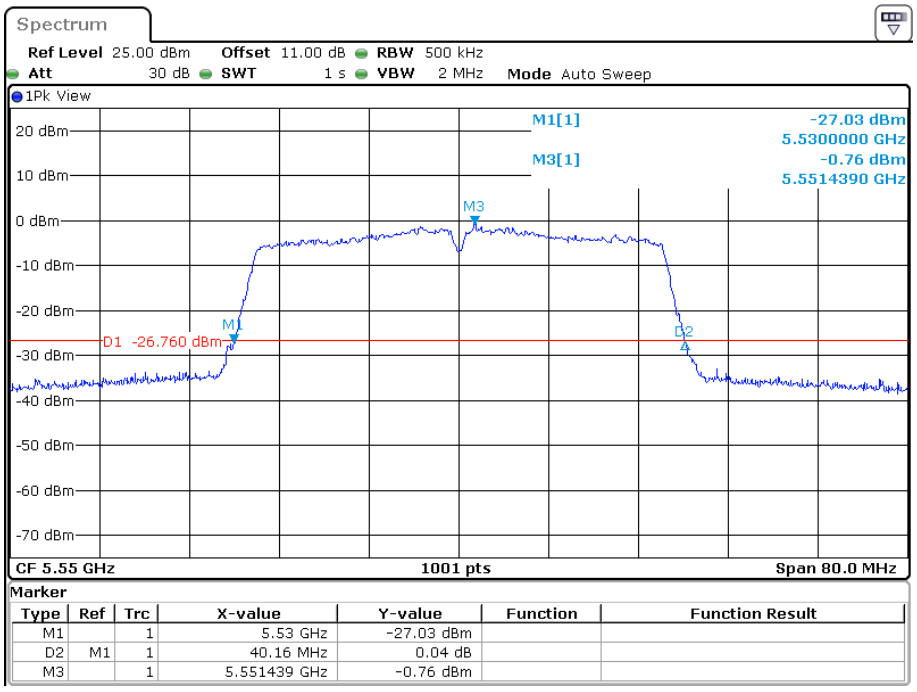
Date: 27.JUN.2022 22:33:24

## 802.11n40 mode, 5510 MHz



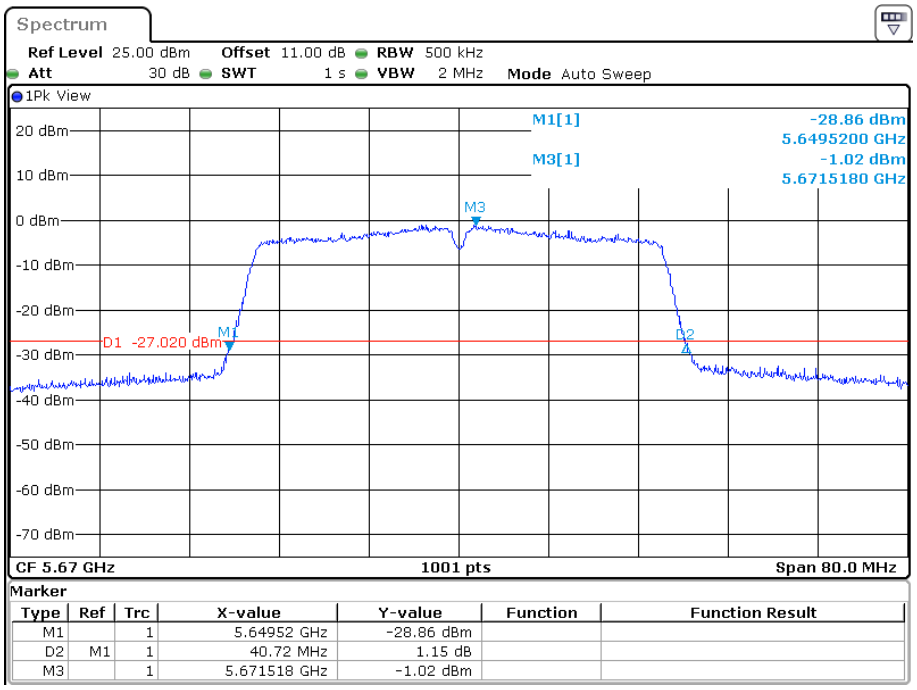

Date: 27.JUN.2022 23:41:31

## 802.11n40 mode, 5550 MHz




Date: 27.JUN.2022 23:44:15

**802.11n40 mode, 5670MHz**

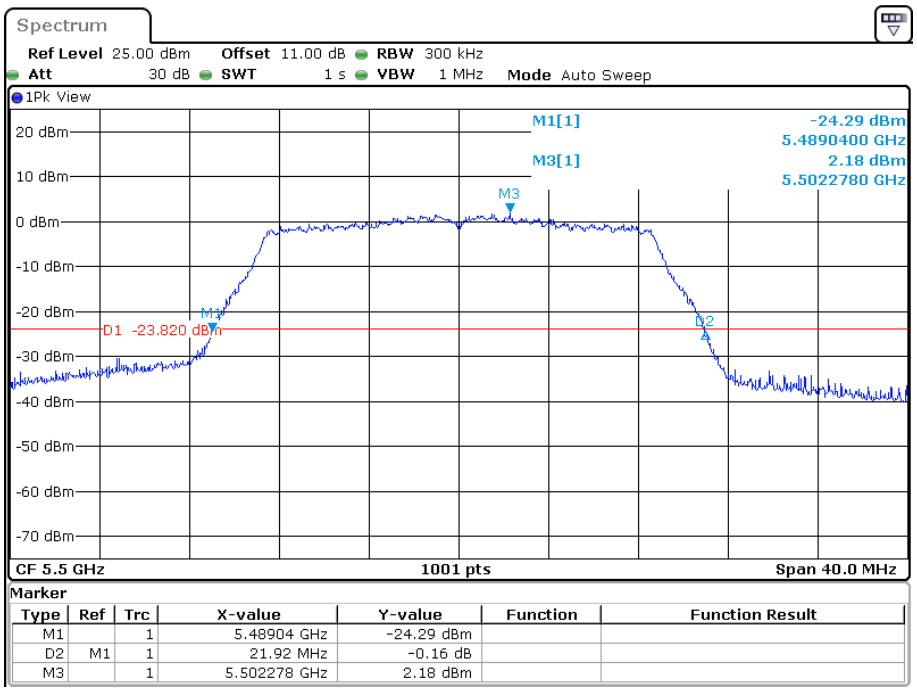



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.64952 GHz | -28.86 dBm | | |
| D2 | M1 | 1 | 40.72 MHz | 1.15 dB | | |
| M3 | | 1 | 5.671518 GHz | -1.02 dBm | | |

Date: 27.JUN.2022 23:47:00

**802.11ac20 mode, 5500MHz**

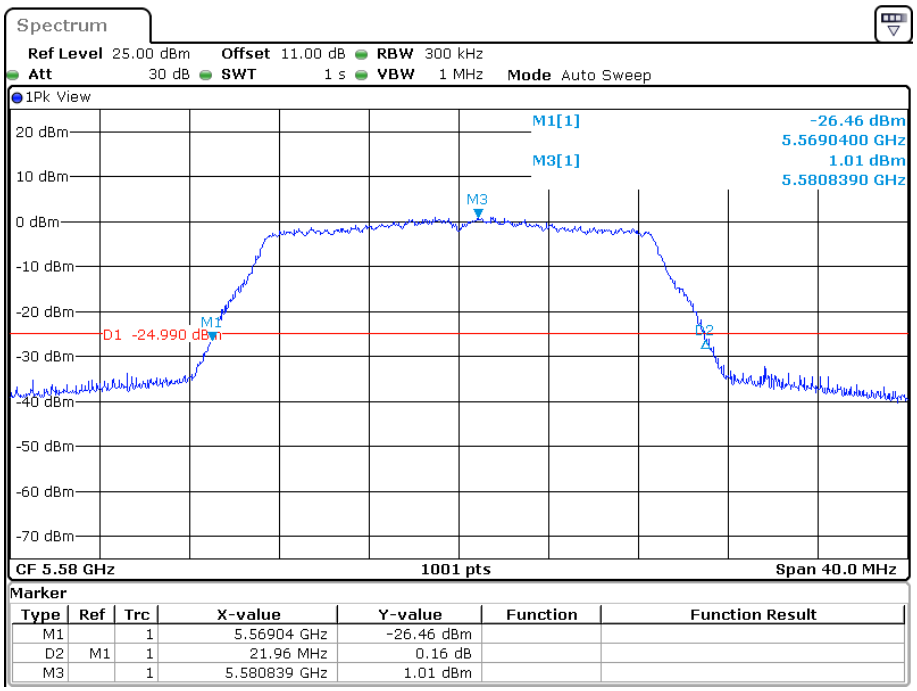



Marker

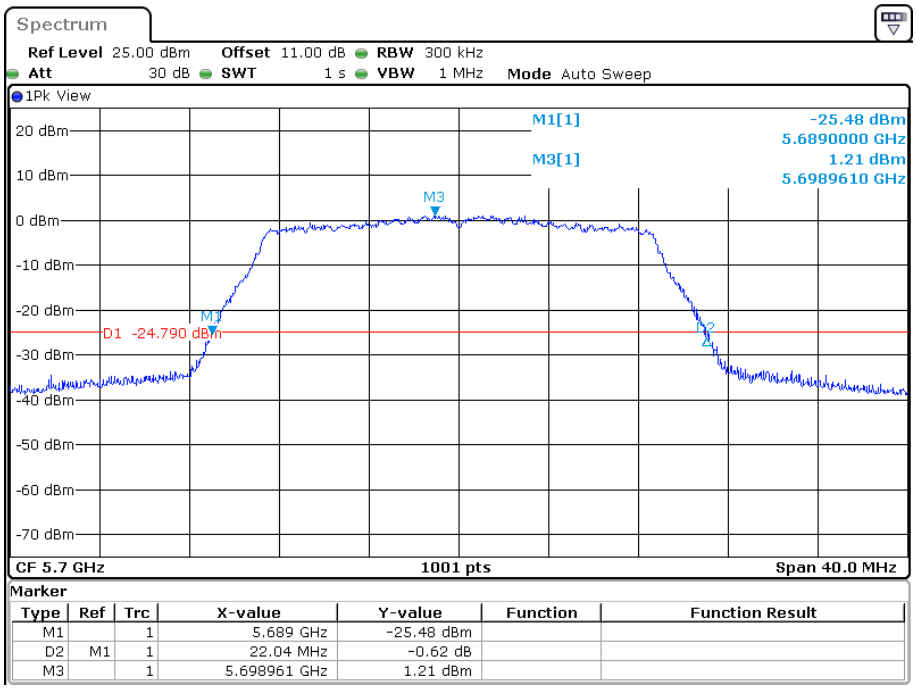
| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.48904 GHz | -24.29 dBm | | |
| D2 | M1 | 1 | 21.92 MHz | -0.16 dB | | |
| M3 | | 1 | 5.502278 GHz | 2.18 dBm | | |

Date: 27.JUN.2022 23:02:04

**802.11ac20 mode, 5580 MHz**

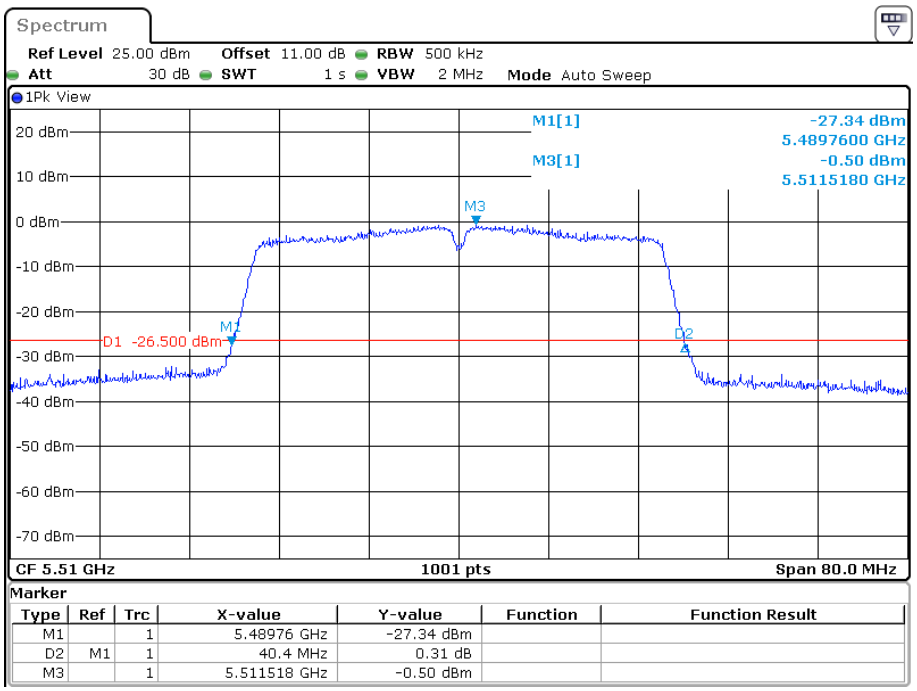


**802.11ac20 mode, 5700MHz**



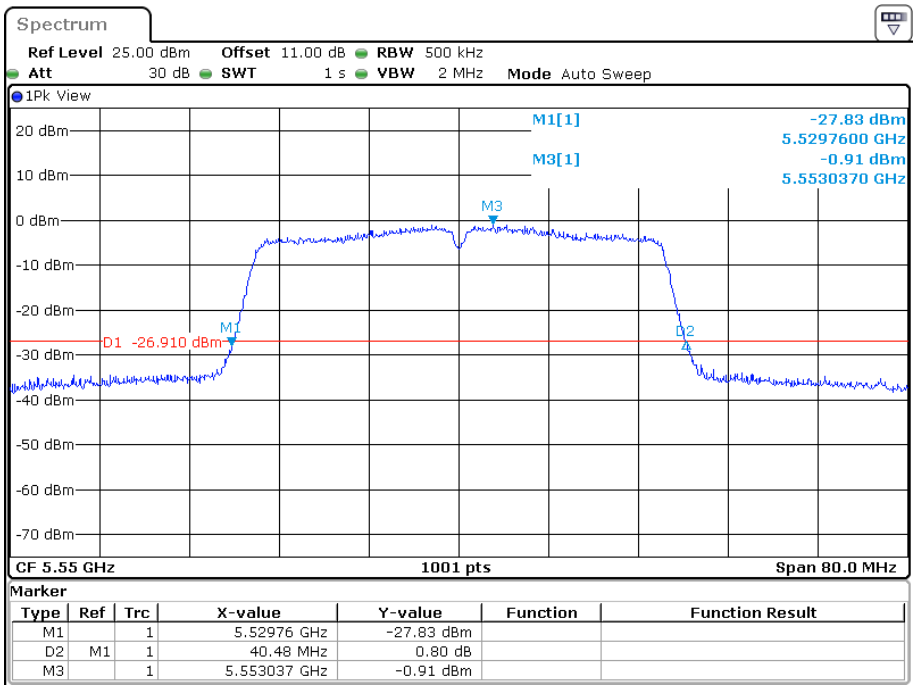

Date: 27.JUN.2022 23:10:14

**802.11ac40 mode, 5510MHz**




Date: 28.JUN.2022 00:06:38

## 802.11ac40 mode, 5550 MHz

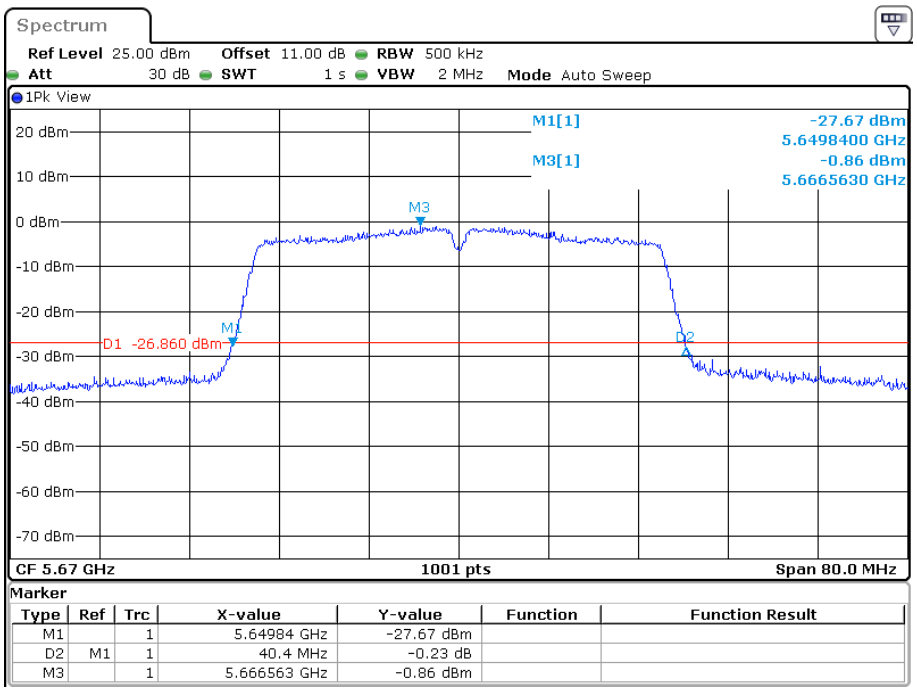



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.52976 GHz | -27.83 dBm | | |
| D2 | M1 | 1 | 40.48 MHz | 0.80 dB | | |
| M3 | | 1 | 5.553037 GHz | -0.91 dBm | | |

Date: 28.JUN.2022 00:09:27

## 802.11ac40 mode, 5670 MHz

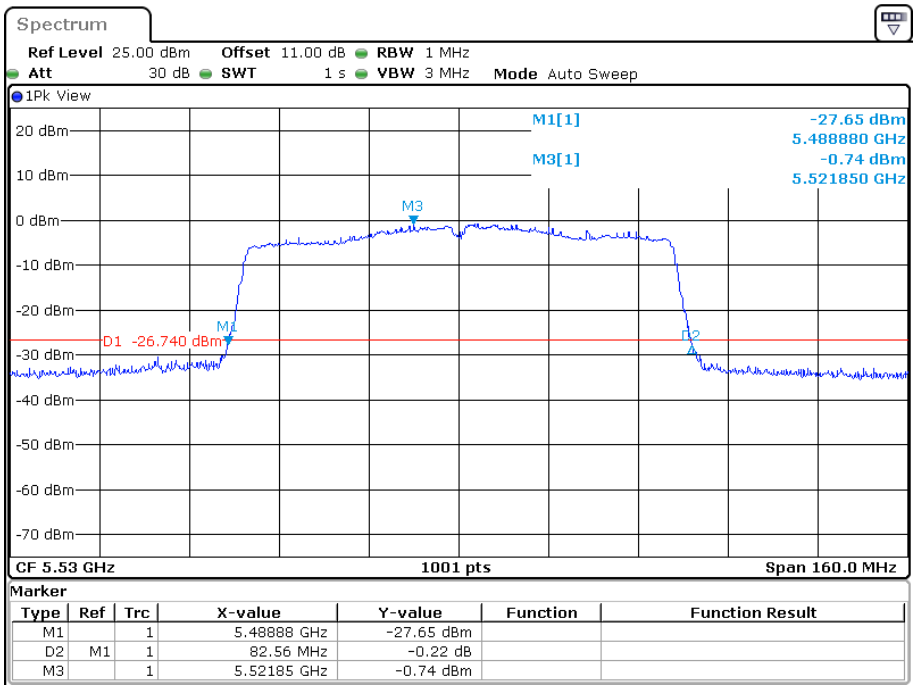



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.64984 GHz | -27.67 dBm | | |
| D2 | M1 | 1 | 40.4 MHz | -0.23 dB | | |
| M3 | | 1 | 5.666563 GHz | -0.86 dBm | | |

Date: 28.JUN.2022 00:12:01

**802.11ac80 mode, 5530MHz**

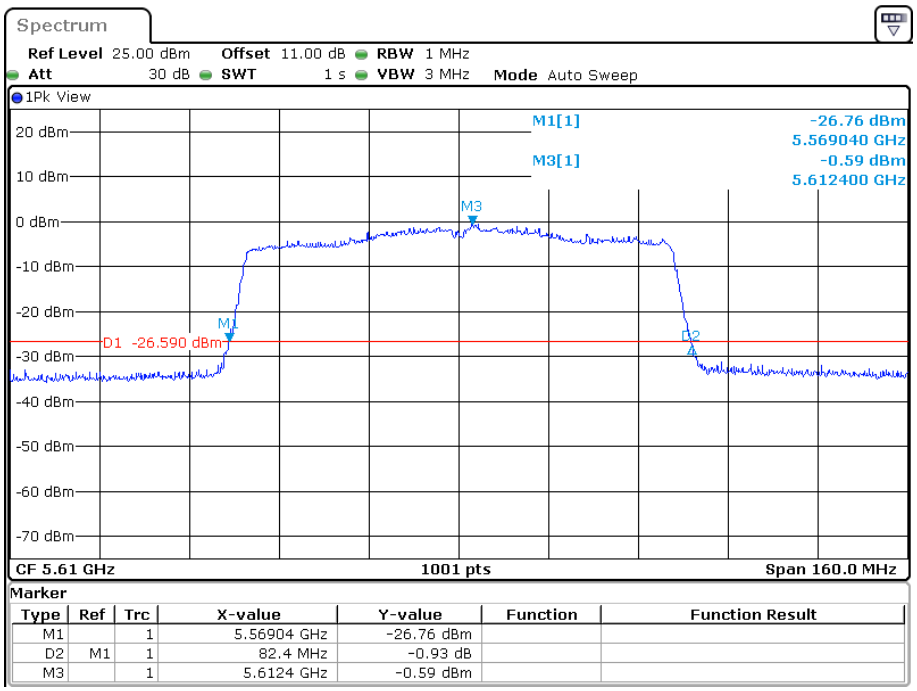



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.48888 GHz | -27.65 dBm | | |
| D2 | M1 | 1 | 82.56 MHz | -0.22 dB | | |
| M3 | | 1 | 5.52185 GHz | -0.74 dBm | | |

Date: 28.JUN.2022 00:25:31

**802.11ac80 mode, 5610MHz**



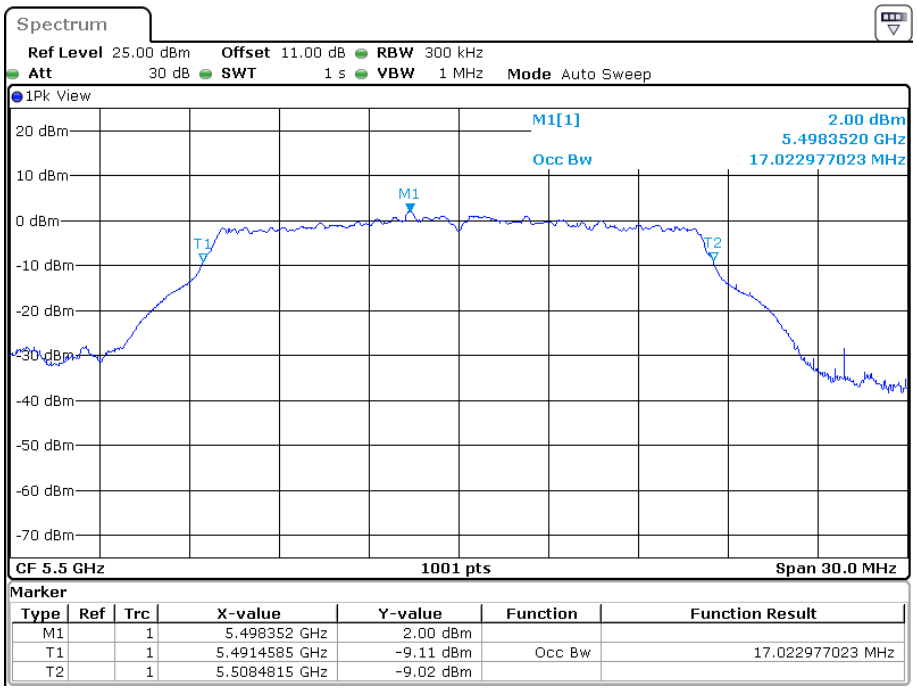

Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.56904 GHz | -26.76 dBm | | |
| D2 | M1 | 1 | 82.4 MHz | -0.93 dB | | |
| M3 | | 1 | 5.6124 GHz | -0.59 dBm | | |

Date: 28.JUN.2022 00:28:36

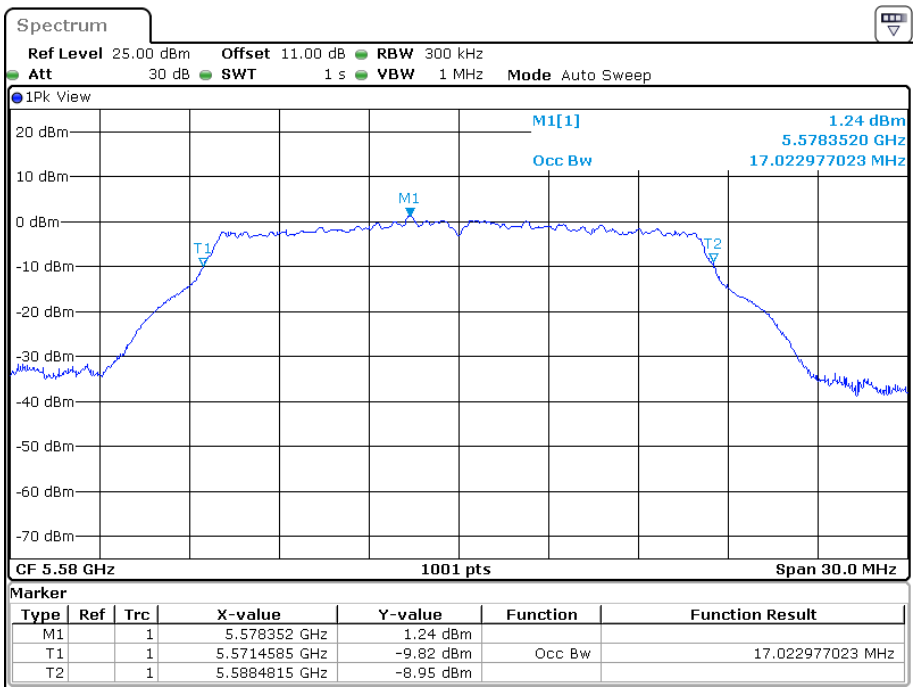
## 99% Occupied Bandwidth

### 802.11a mode, 5500MHz



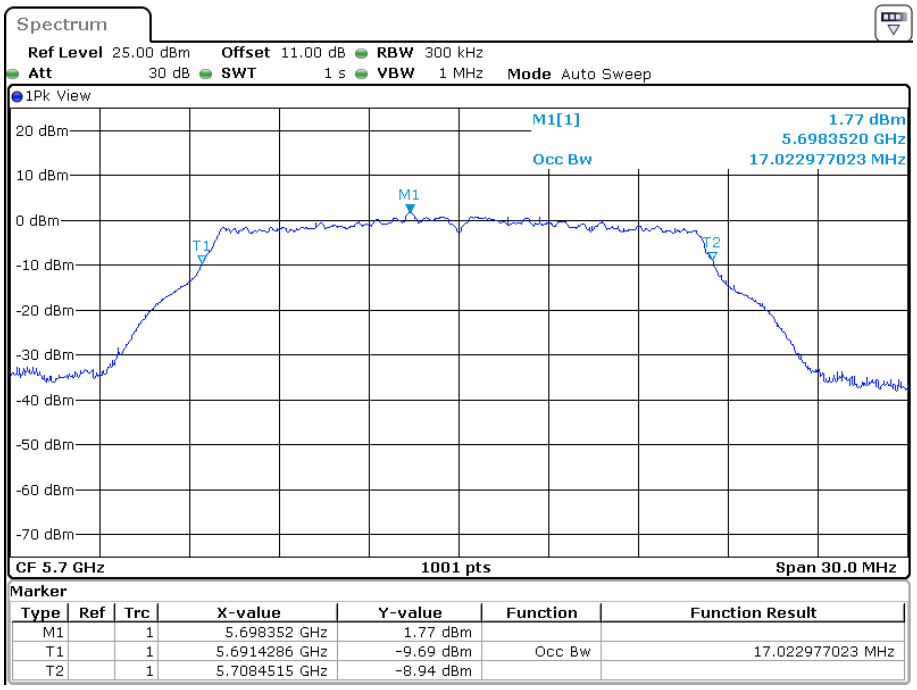

Date: 27.JUN.2022 21:33:53

### 802.11a mode, 5580MHz




Date: 27.JUN.2022 21:36:30

## 802.11a mode, 5700MHz

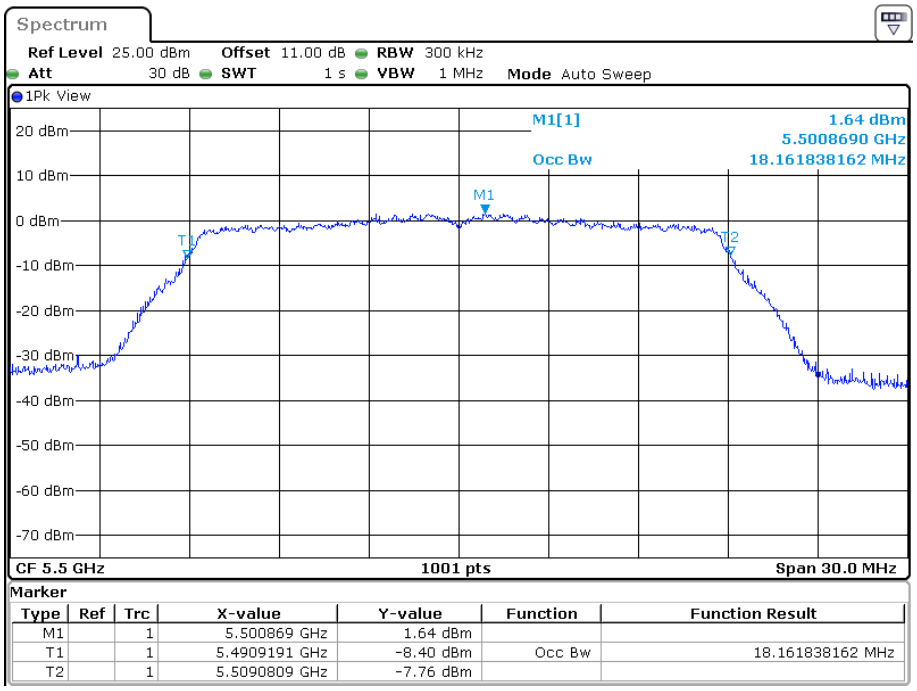



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.698352 GHz | 1.77 dBm | | |
| T1 | | 1 | 5.6914286 GHz | -9.69 dBm | Occ Bw | 17.022977023 MHz |
| T2 | | 1 | 5.7084515 GHz | -8.94 dBm | | |

Date: 27.JUN.2022 21:39:05

## 802.11n20 mode,5500 MHz

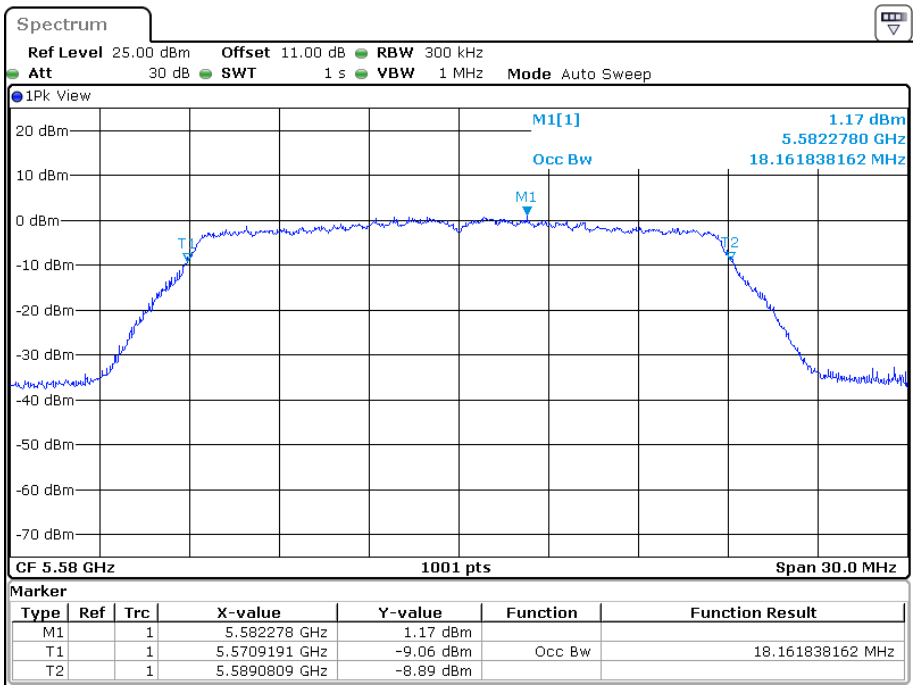



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.500869 GHz | 1.64 dBm | | |
| T1 | | 1 | 5.4909191 GHz | -8.40 dBm | Occ Bw | 18.161838162 MHz |
| T2 | | 1 | 5.5090809 GHz | -7.76 dBm | | |

Date: 27.JUN.2022 22:27:43

## 802.11n20 mode, 5580 MHz

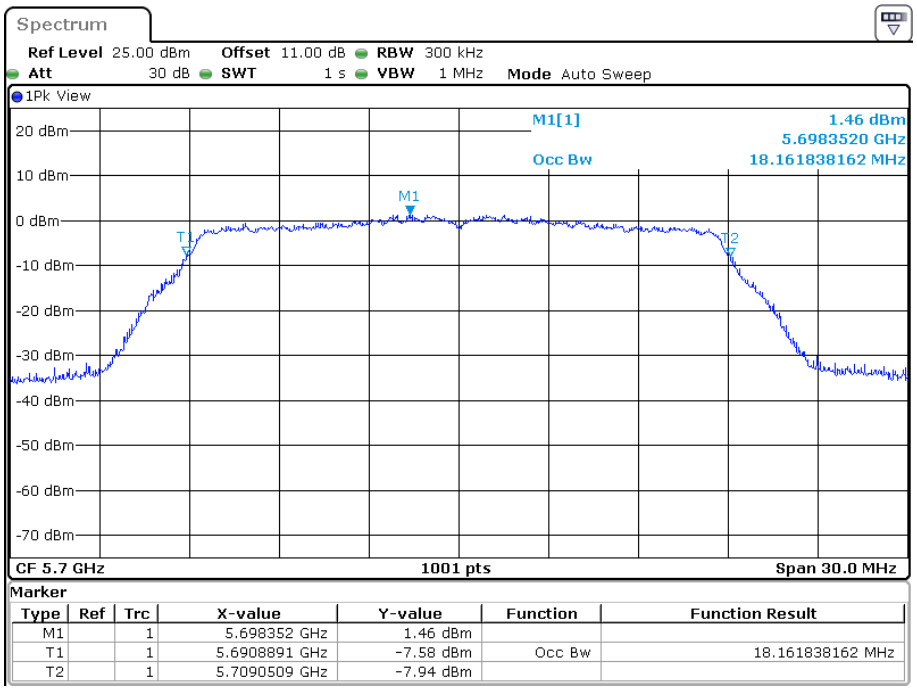



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.582278 GHz | 1.17 dBm | | |
| T1 | | 1 | 5.5709191 GHz | -9.06 dBm | Occ Bw | 18.161838162 MHz |
| T2 | | 1 | 5.5890809 GHz | -8.89 dBm | | |

Date: 27.JUN.2022 22:30:23

## 802.11n20 mode, 5700 MHz

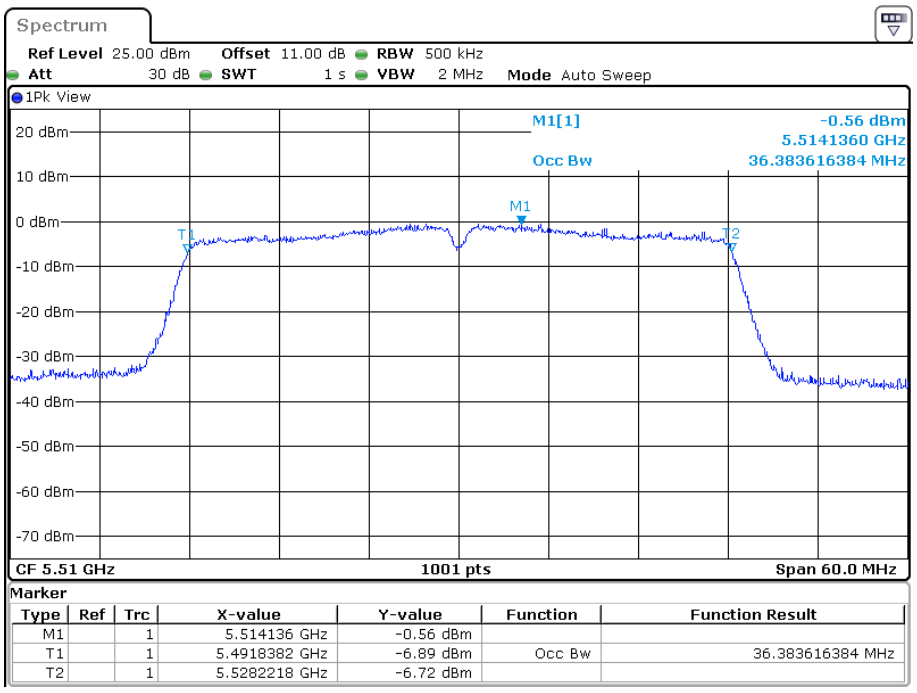



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.698352 GHz | 1.46 dBm | | |
| T1 | | 1 | 5.6908891 GHz | -7.58 dBm | Occ Bw | 18.161838162 MHz |
| T2 | | 1 | 5.7090509 GHz | -7.94 dBm | | |

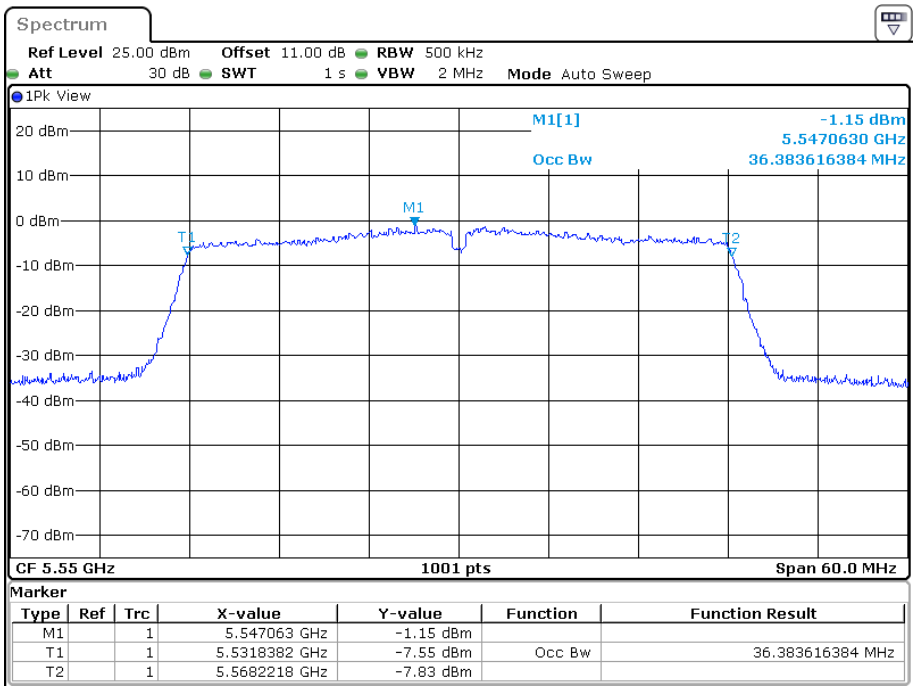
Date: 27.JUN.2022 22:32:54

## 802.11n40 mode, 5510 MHz



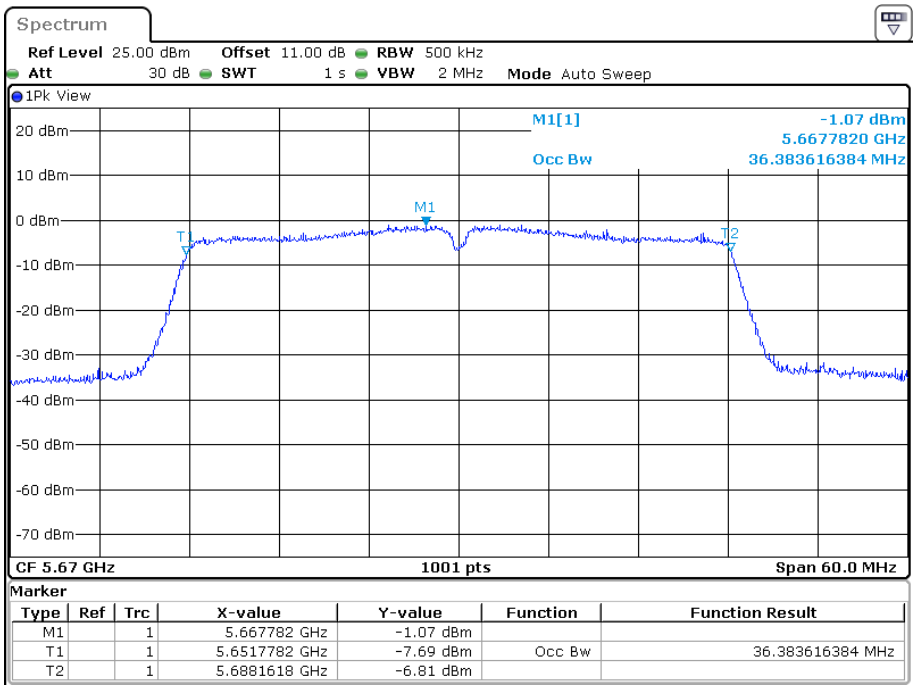

Date: 27.JUN.2022 23:41:01

## 802.11n40 mode, 5550 MHz




Date: 27.JUN.2022 23:43:45

## 802.11n40 mode, 5670 MHz

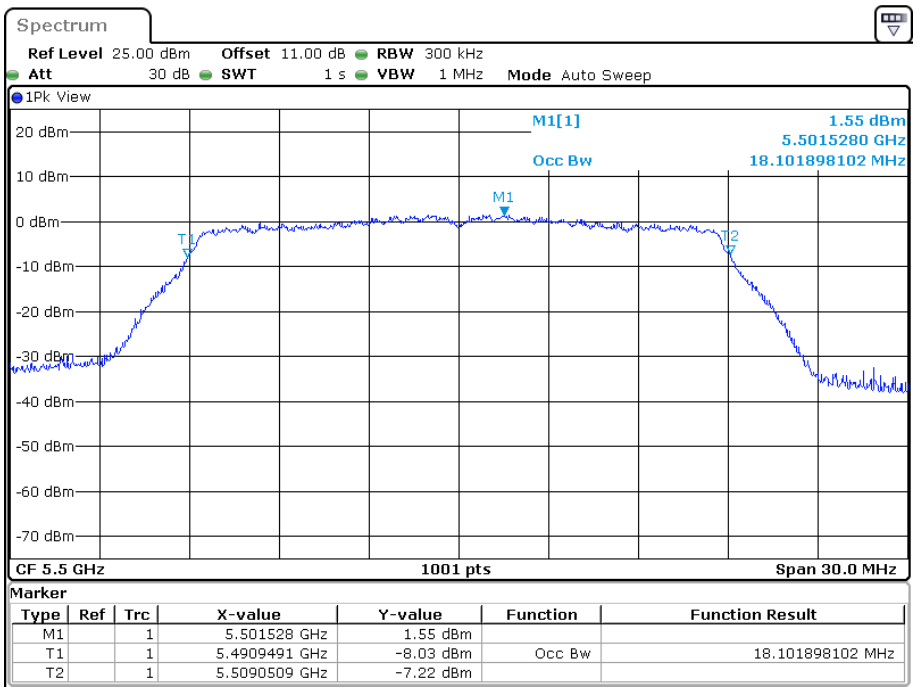



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.667782 GHz | -1.07 dBm | | |
| T1 | | 1 | 5.6517782 GHz | -7.69 dBm | Occ Bw | 36.383616384 MHz |
| T2 | | 1 | 5.6881618 GHz | -6.81 dBm | | |

Date: 27.JUN.2022 23:46:30

## 802.11ac20 mode, 5500MHz

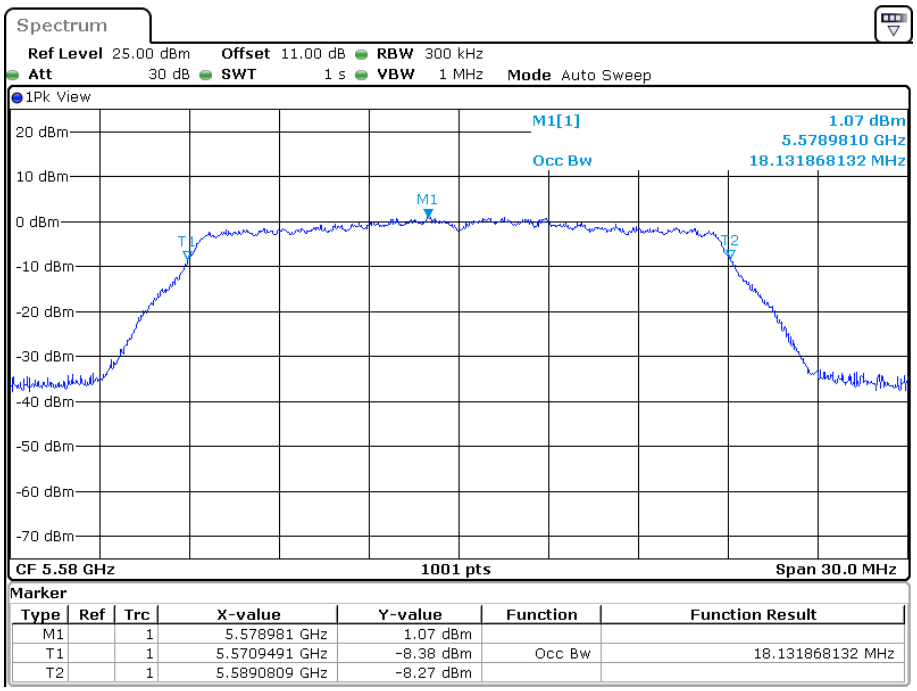



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.501528 GHz | 1.55 dBm | | |
| T1 | | 1 | 5.4909491 GHz | -8.03 dBm | Occ Bw | 18.101898102 MHz |
| T2 | | 1 | 5.5090509 GHz | -7.22 dBm | | |

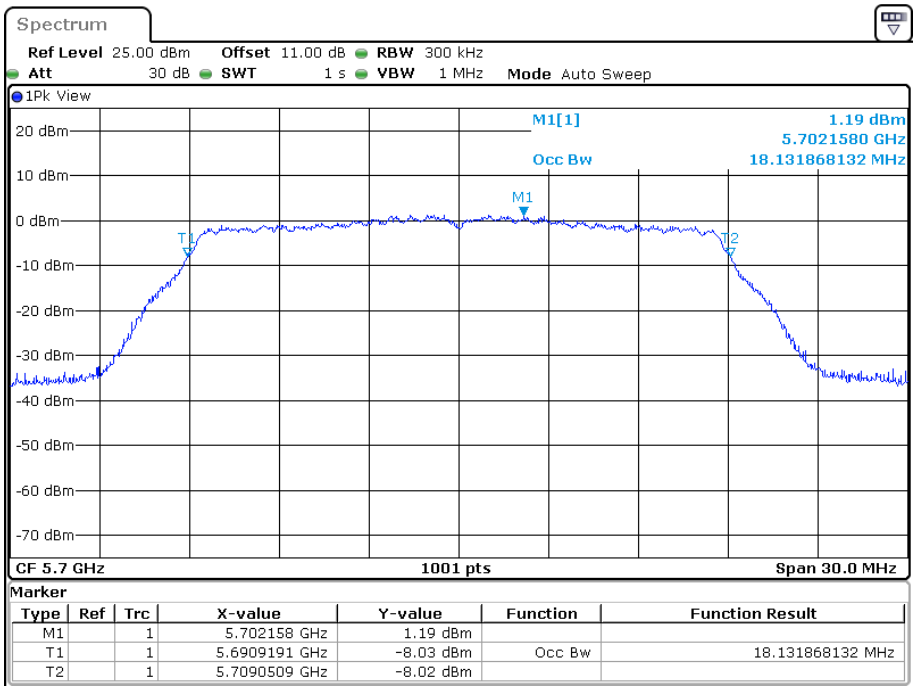
Date: 27.JUN.2022 23:01:34

**802.11ac20 mode, 5580 MHz**



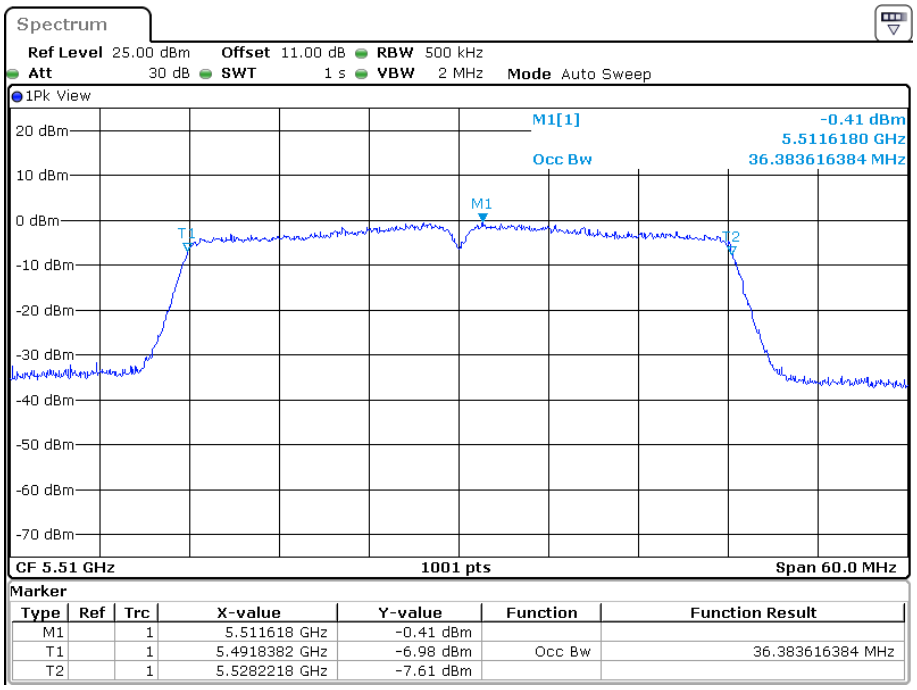

Date: 27.JUN.2022 23:06:57

**802.11ac20 mode, 5700MHz**




Date: 27.JUN.2022 23:09:44

**802.11ac40 mode, 5510MHz**

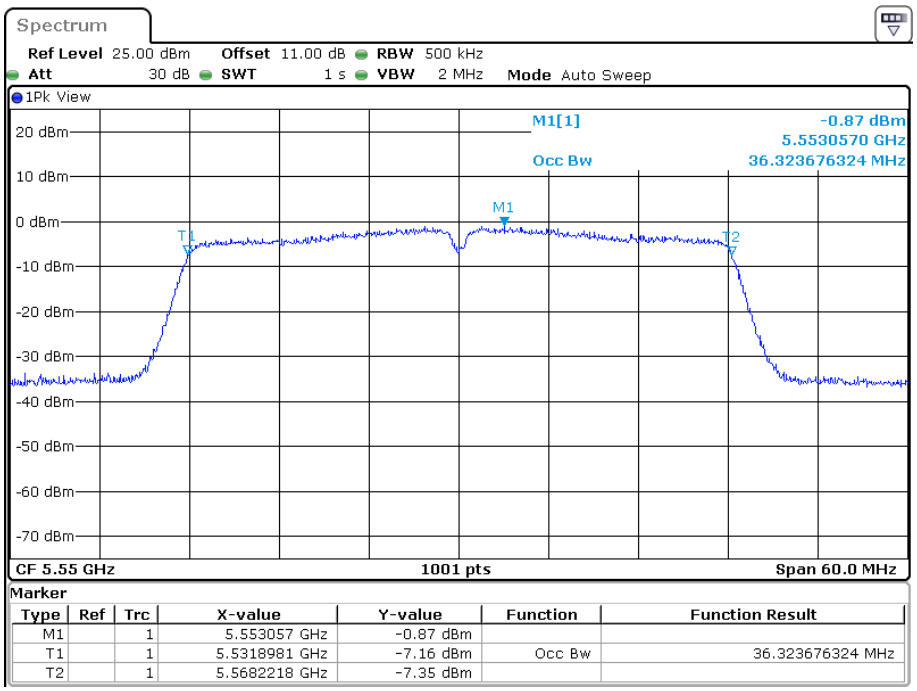



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.511618 GHz | -0.41 dBm | | |
| T1 | | 1 | 5.4918382 GHz | -6.98 dBm | Occ Bw | 36.383616384 MHz |
| T2 | | 1 | 5.5282218 GHz | -7.61 dBm | | |

Date: 28.JUN.2022 00:06:08

**802.11ac40 mode, 5550 MHz**

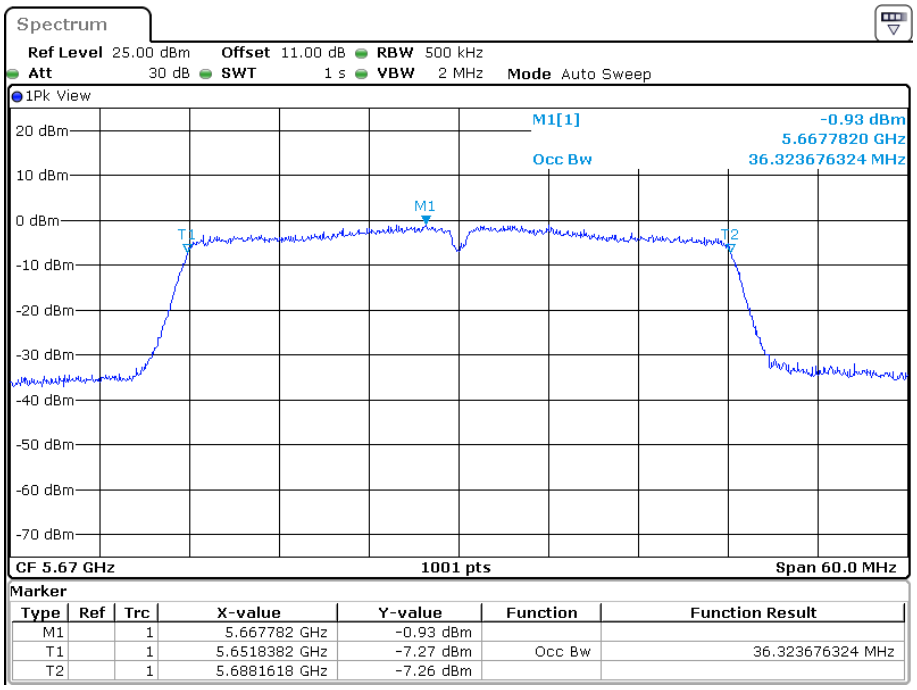



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.553057 GHz | -0.87 dBm | | |
| T1 | | 1 | 5.5318981 GHz | -7.16 dBm | Occ Bw | 36.323676324 MHz |
| T2 | | 1 | 5.5682218 GHz | -7.35 dBm | | |

Date: 28.JUN.2022 00:08:58

## 802.11ac40 mode, 5670 MHz

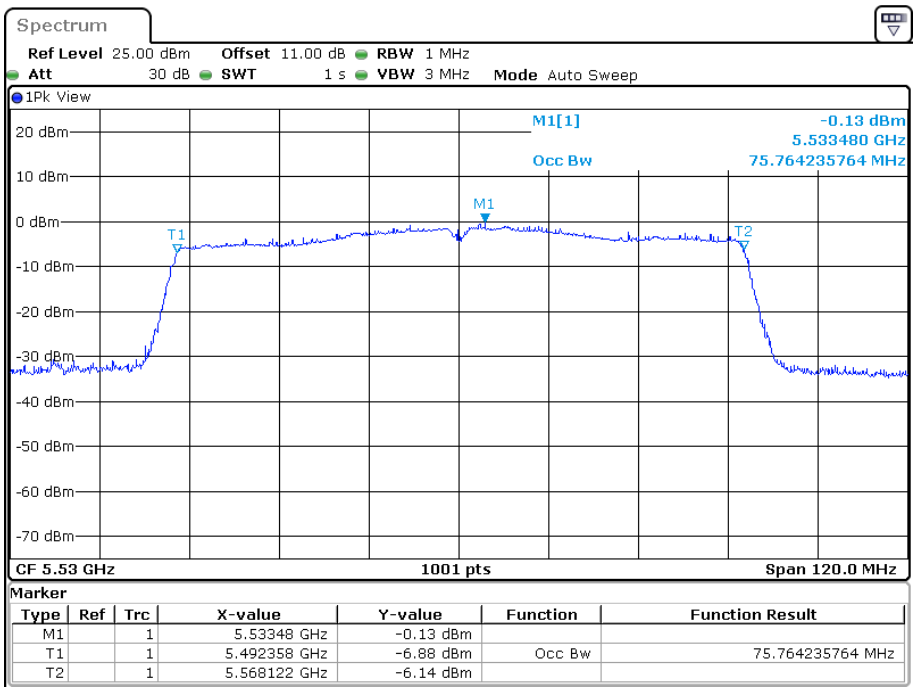



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.667782 GHz | -0.93 dBm | | |
| T1 | | 1 | 5.6518382 GHz | -7.27 dBm | Occ Bw | 36.323676324 MHz |
| T2 | | 1 | 5.6881618 GHz | -7.26 dBm | | |

Date: 28.JUN.2022 00:11:31

## 802.11ac80 mode, 5530MHz

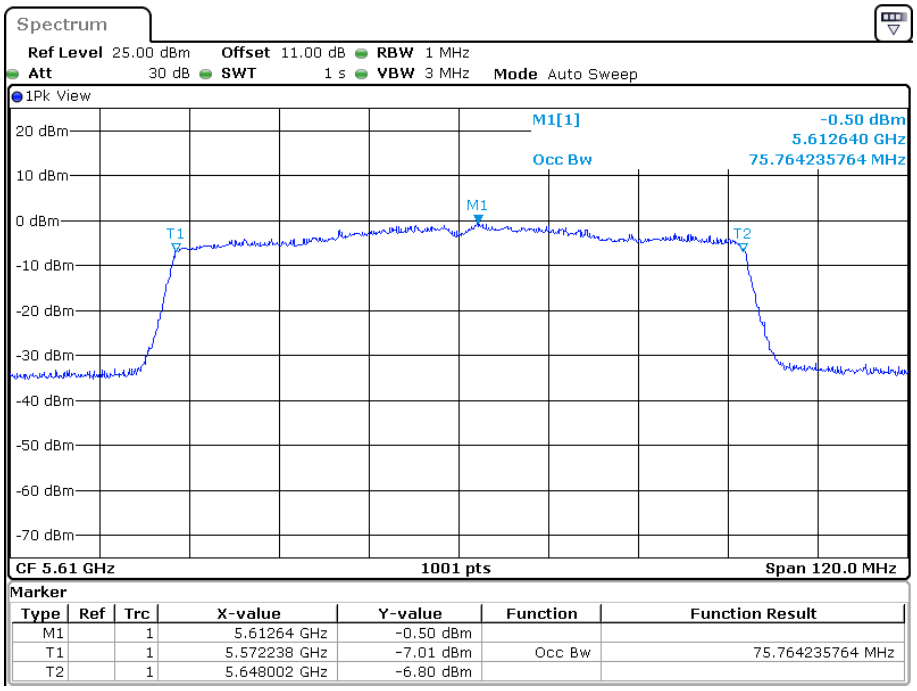



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.53348 GHz | -0.13 dBm | | |
| T1 | | 1 | 5.492358 GHz | -6.88 dBm | Occ Bw | 75.764235764 MHz |
| T2 | | 1 | 5.568122 GHz | -6.14 dBm | | |

Date: 28.JUN.2022 00:25:02

**802.11ac80 mode, 5610MHz**




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.61264 GHz | -0.50 dBm | | |
| T1 | | 1 | 5.572238 GHz | -7.01 dBm | Occ Bw | 75.764235764 MHz |
| T2 | | 1 | 5.648002 GHz | -6.80 dBm | | |

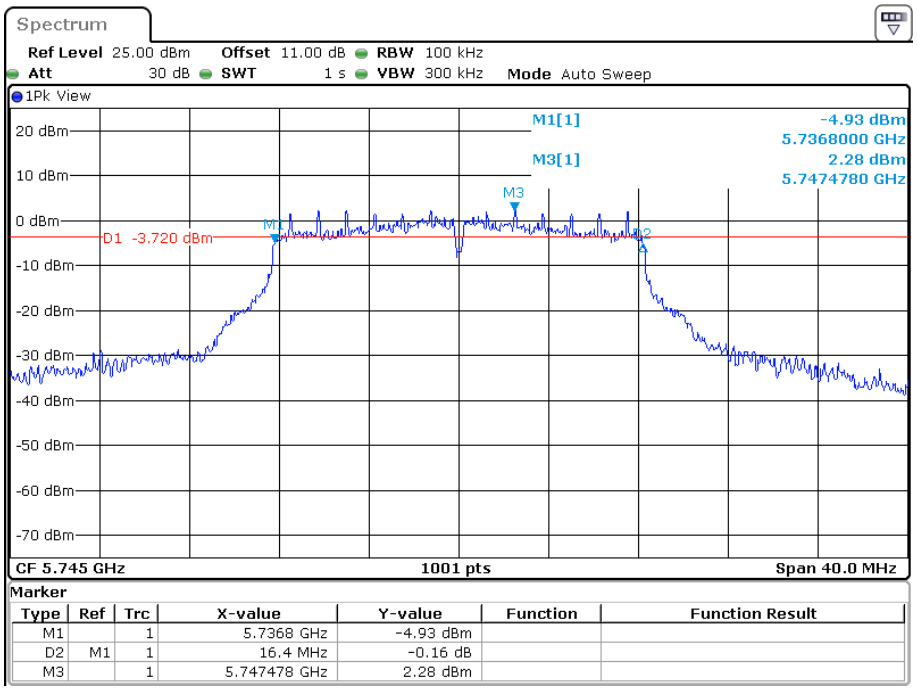
Date: 28.JUN.2022 00:28:06

**5725 MHz – 5850 MHz:**

| Frequency (MHz) | Antenna Port | 6dB Bandwidth (MHz) | 99% Bandwidth (MHz) | Limit (MHz) | Remark |
|---|---|---|---|---|---|
| 802.11a | | | | | No transmitted signal in the 99% bandwidth extends into the U-NII-2C band |
| 5745 | Ant0 | 16.40 | 17.05 | 0.5 | |
| 5785 | Ant0 | 16.40 | 17.05 | 0.5 | |
| 5825 | Ant0 | 16.40 | 17.11 | 0.5 | |
| 802.11n20 | | | | | |
| 5745 | Ant0 | 17.60 | 18.22 | 0.5 | |
| 5785 | Ant0 | 17.60 | 18.25 | 0.5 | |
| 5825 | Ant0 | 17.60 | 18.22 | 0.5 | |
| 802.11n40 | | | | | |
| 5755 | Ant0 | 36.00 | 36.56 | 0.5 | |
| 5795 | Ant0 | 36.00 | 36.50 | 0.5 | |
| 802.11ac20 | | | | | |
| 5745 | Ant0 | 17.60 | 18.19 | 0.5 | |
| 5785 | Ant0 | 17.60 | 18.22 | 0.5 | |
| 5825 | Ant0 | 17.64 | 18.22 | 0.5 | |
| 802.11ac40 | | | | | |
| 5755 | Ant0 | 35.84 | 36.50 | 0.5 | |
| 5795 | Ant0 | 35.84 | 36.50 | 0.5 | |
| 11ac80 | | | | | |
| 5775 | Ant0 | 75.52 | 75.88 | 0.5 | |

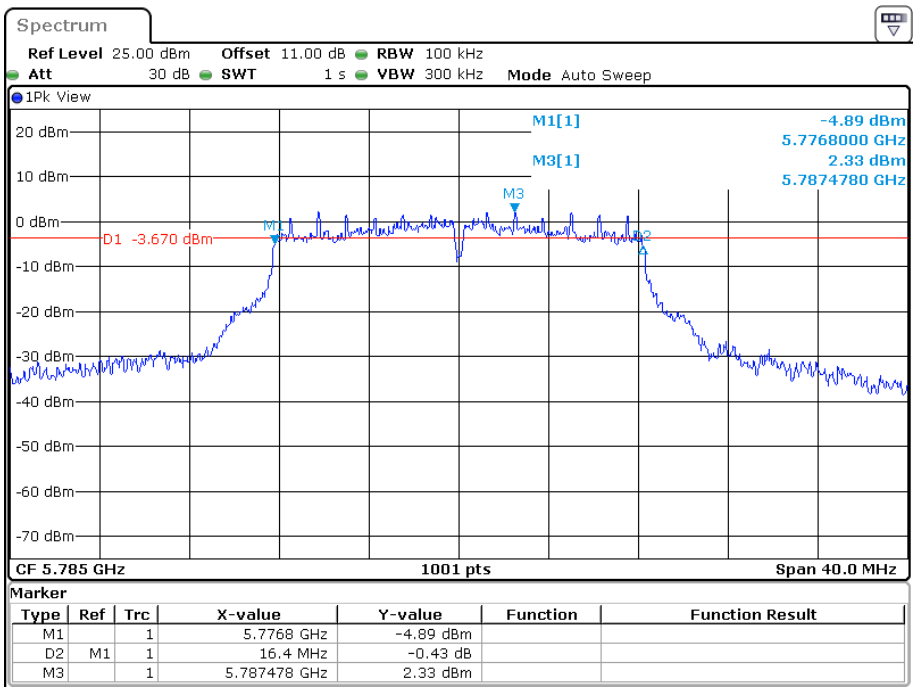
## 26 dB Emission Bandwidth

### 802.11a mode, 5475MHz



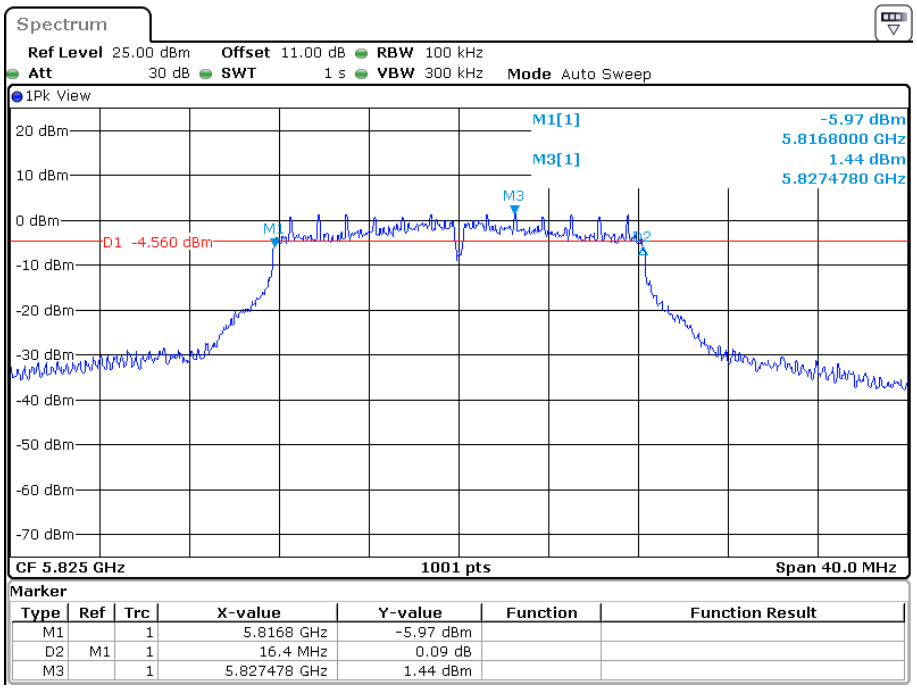

Date: 27.JUN.2022 21:42:11

### 802.11a mode, 5785MHz




Date: 27.JUN.2022 21:44:44

## 802.11a mode, 5825 MHz

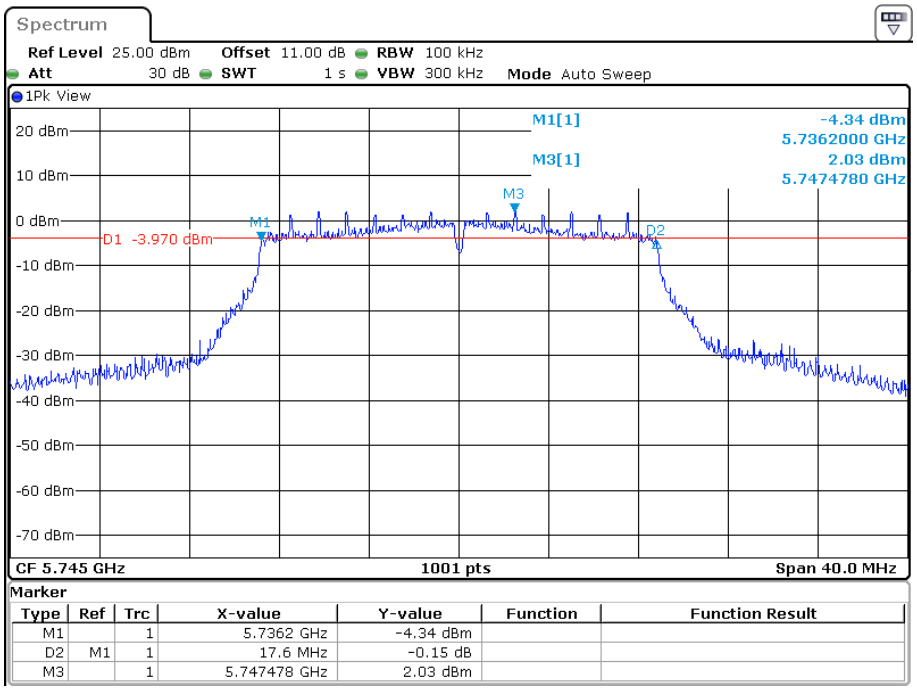



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.8168 GHz | -5.97 dBm | | |
| D2 | M1 | 1 | 16.4 MHz | 0.09 dB | | |
| M3 | | 1 | 5.827478 GHz | 1.44 dBm | | |

Date: 27.JUN.2022 21:47:16

## 802.11n20 mode,5745 MHz

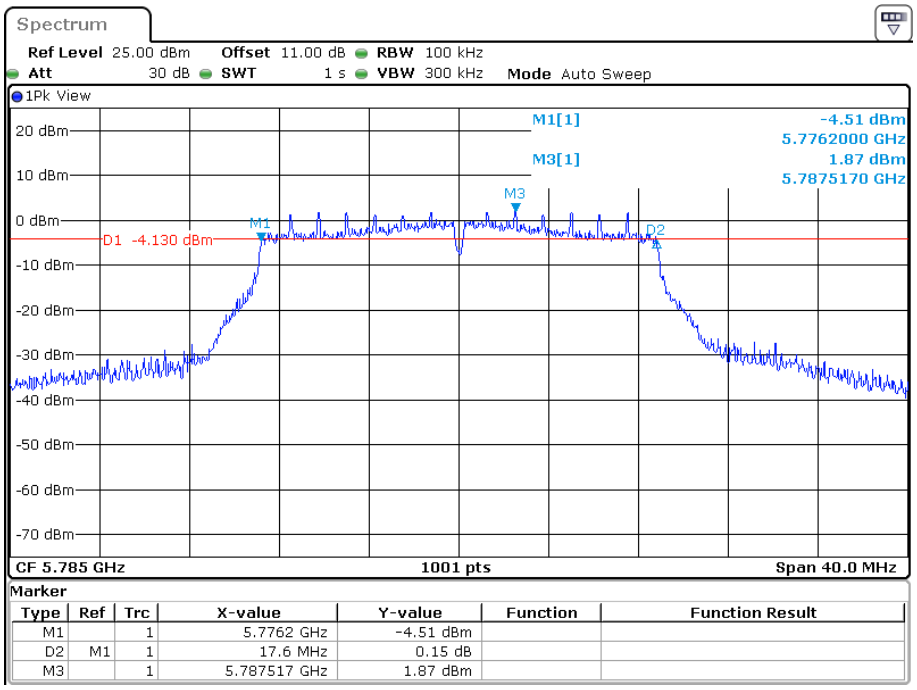



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.7362 GHz | -4.34 dBm | | |
| D2 | M1 | 1 | 17.6 MHz | -0.15 dB | | |
| M3 | | 1 | 5.747478 GHz | 2.03 dBm | | |

Date: 27.JUN.2022 22:36:05

## 802.11n20 mode, 5785 MHz

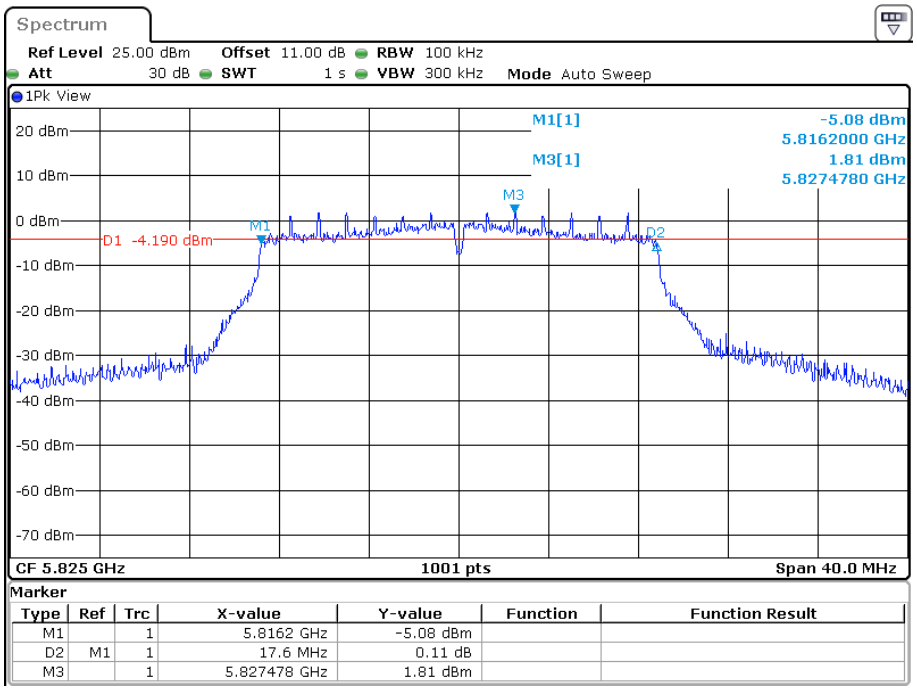



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.7762 GHz | -4.51 dBm | | |
| D2 | M1 | 1 | 17.6 MHz | 0.15 dB | | |
| M3 | | 1 | 5.787517 GHz | 1.87 dBm | | |

Date: 27.JUN.2022 22:38:50

## 802.11n20 mode, 5825 MHz

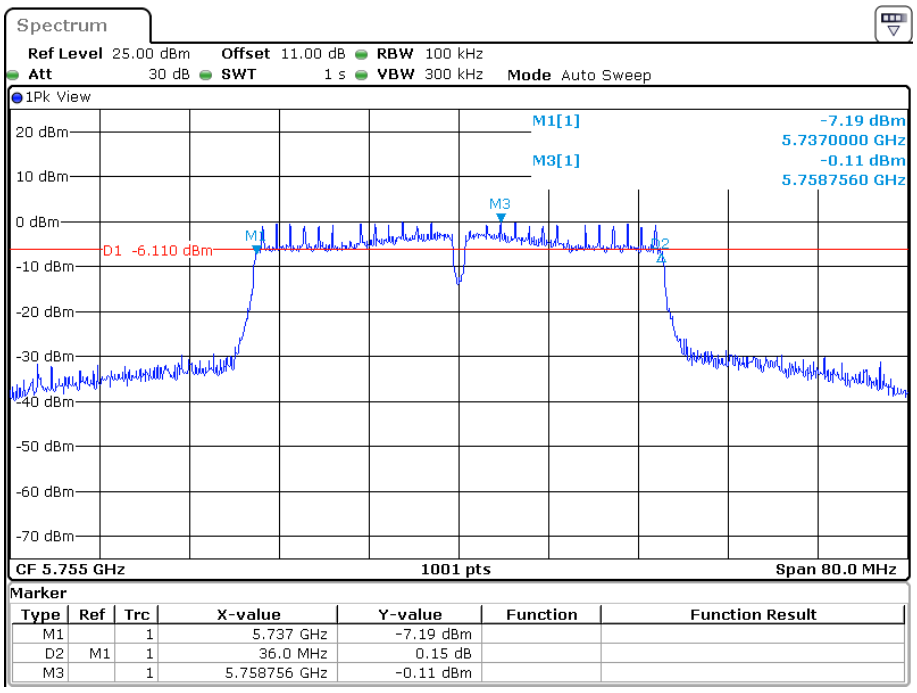



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.8162 GHz | -5.08 dBm | | |
| D2 | M1 | 1 | 17.6 MHz | 0.11 dB | | |
| M3 | | 1 | 5.827478 GHz | 1.81 dBm | | |

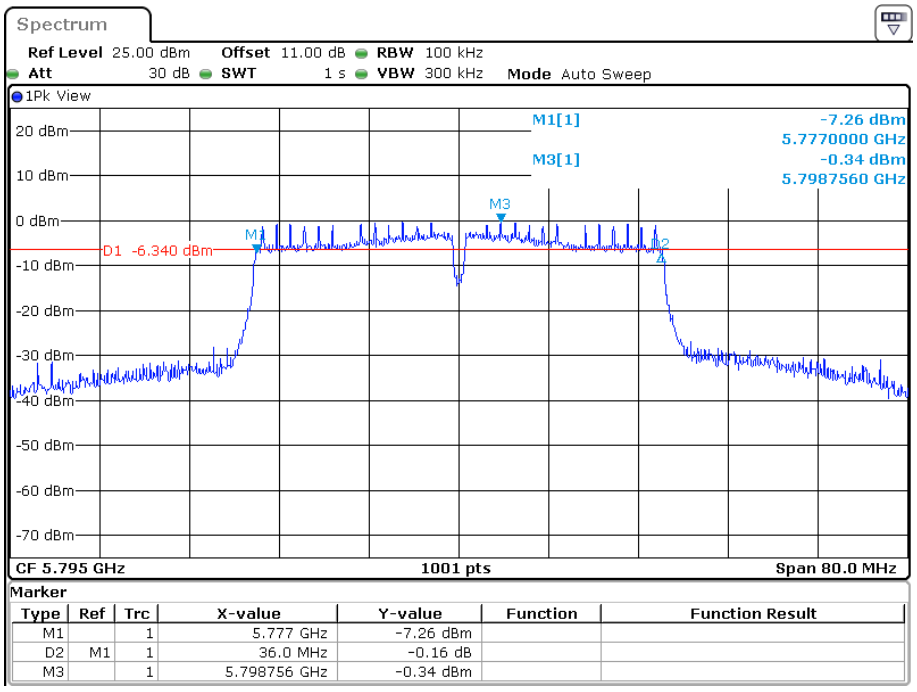
Date: 27.JUN.2022 22:41:19

## 802.11n40 mode, 5755MHz



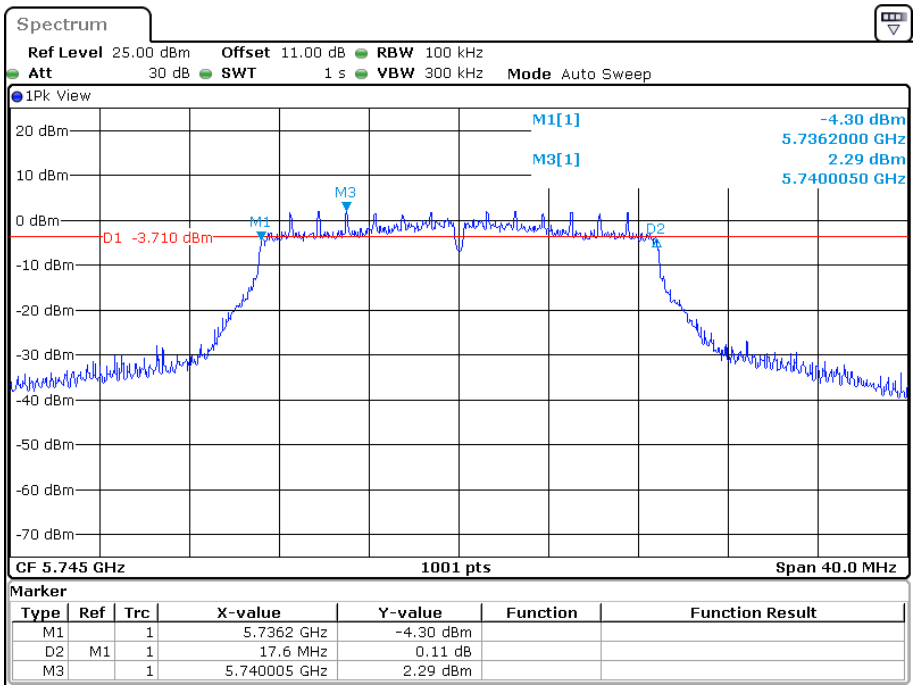

Date: 27.JUN.2022 23:49:37

## 802.11n40 mode, 5795 MHz



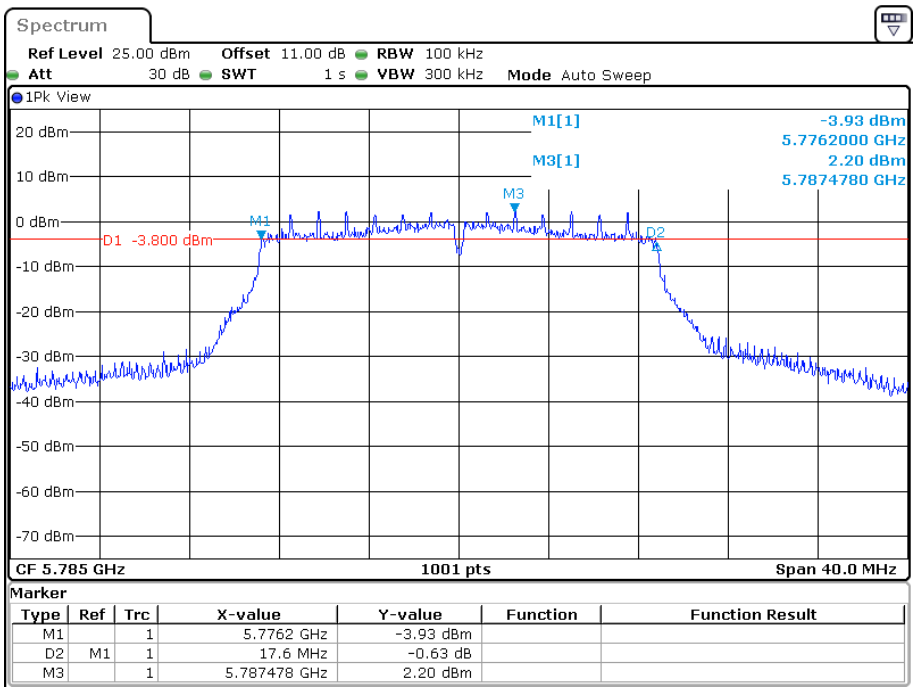

Date: 27.JUN.2022 23:53:18

**802.11ac20 mode, 5745 MHz**



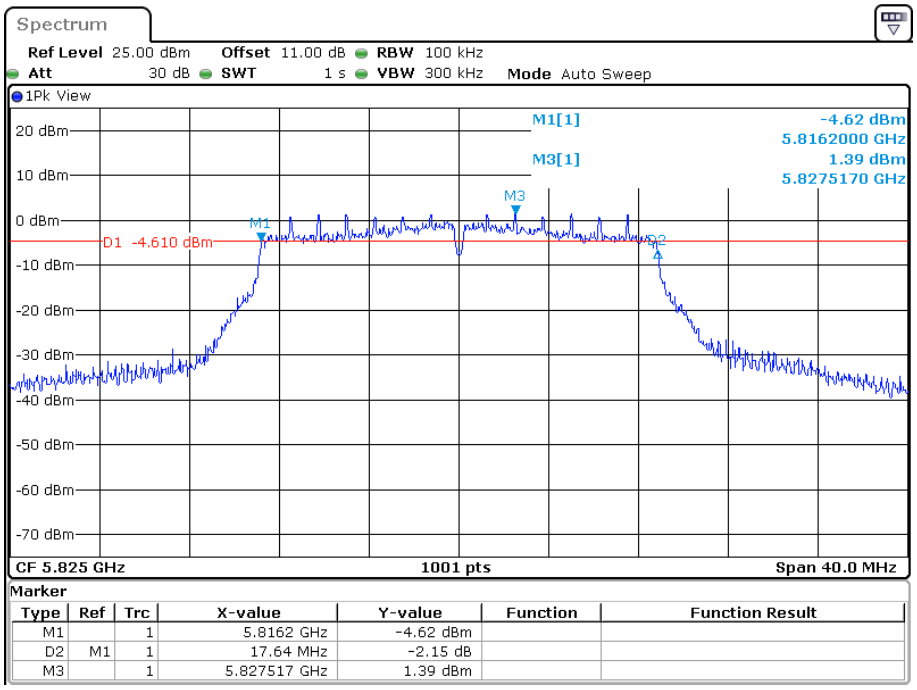

Date: 27.JUN.2022 23:12:43

**802.11ac20 mode, 5785 MHz**



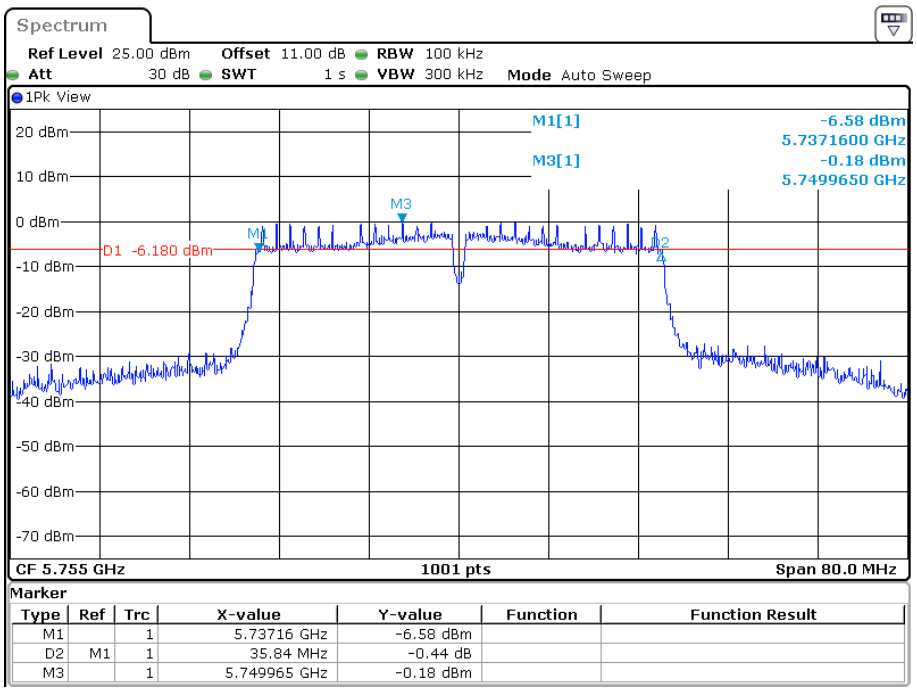

Date: 27.JUN.2022 23:15:19

**802.11ac20 mode, 5825 MHz**



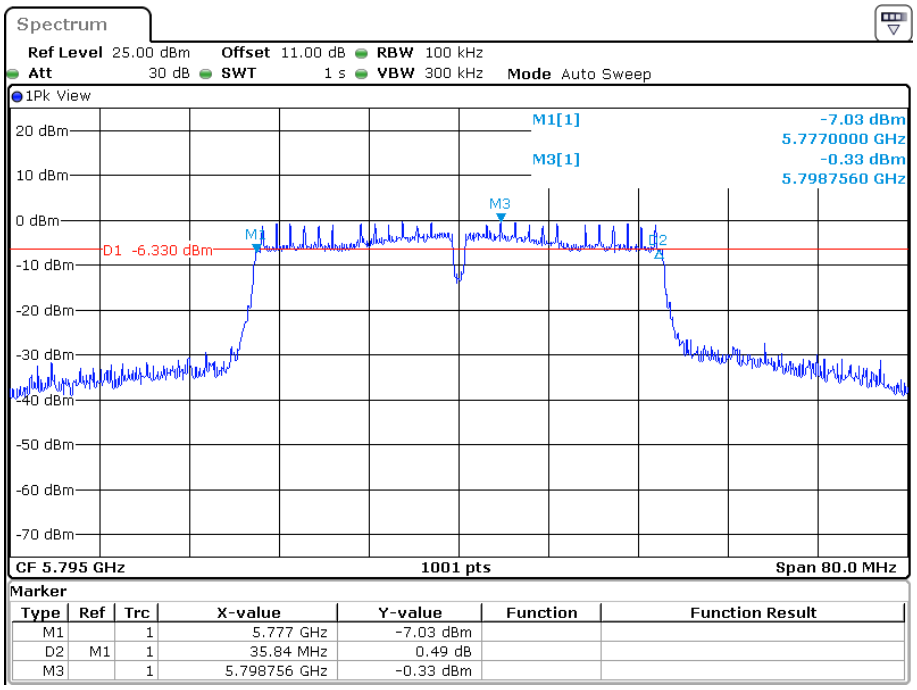

Date: 27.JUN.2022 23:18:02

**802.11ac40 mode, 5755MHz**



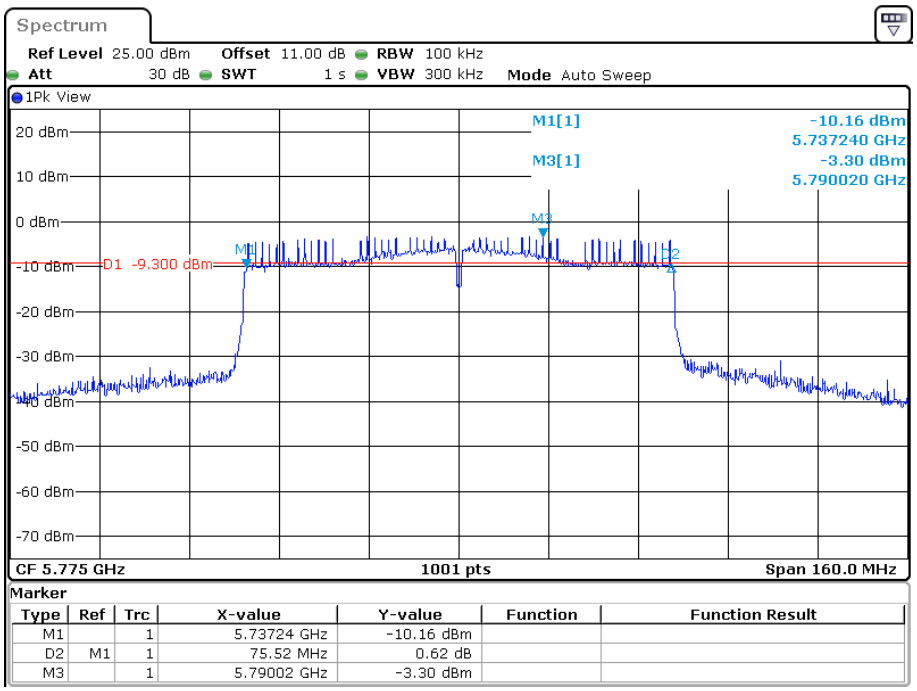

Date: 28.JUN.2022 00:14:37

**802.11ac40 mode, 5795 MHz**




Date: 28.JUN.2022 00:17:11

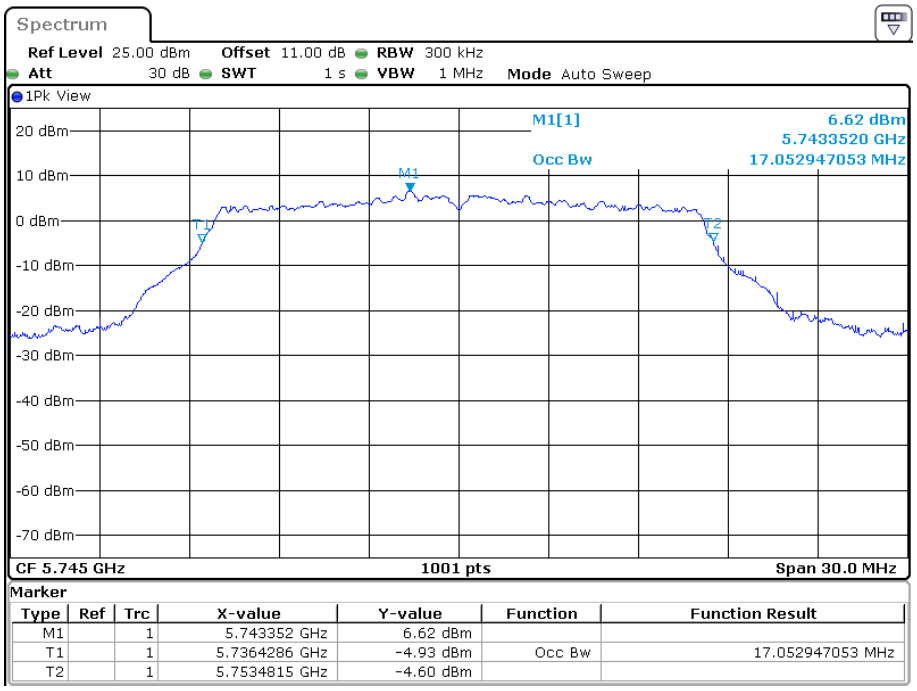
**802.11ac80 mode, 5775MHz**




Date: 28.JUN.2022 00:31:21

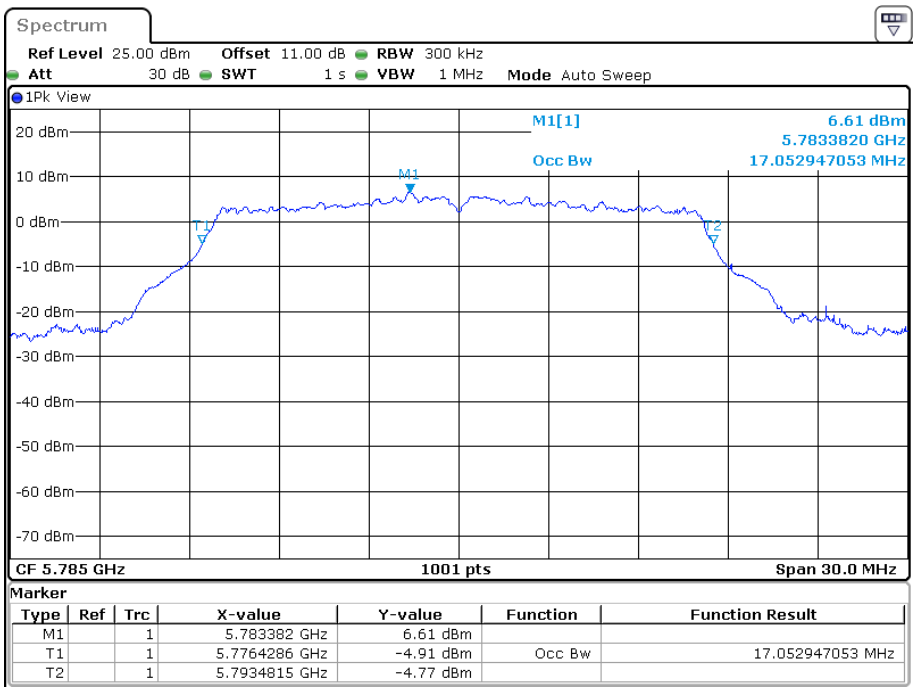
**99% Occupied Bandwidth**

**802.11a mode, 5475MHz**



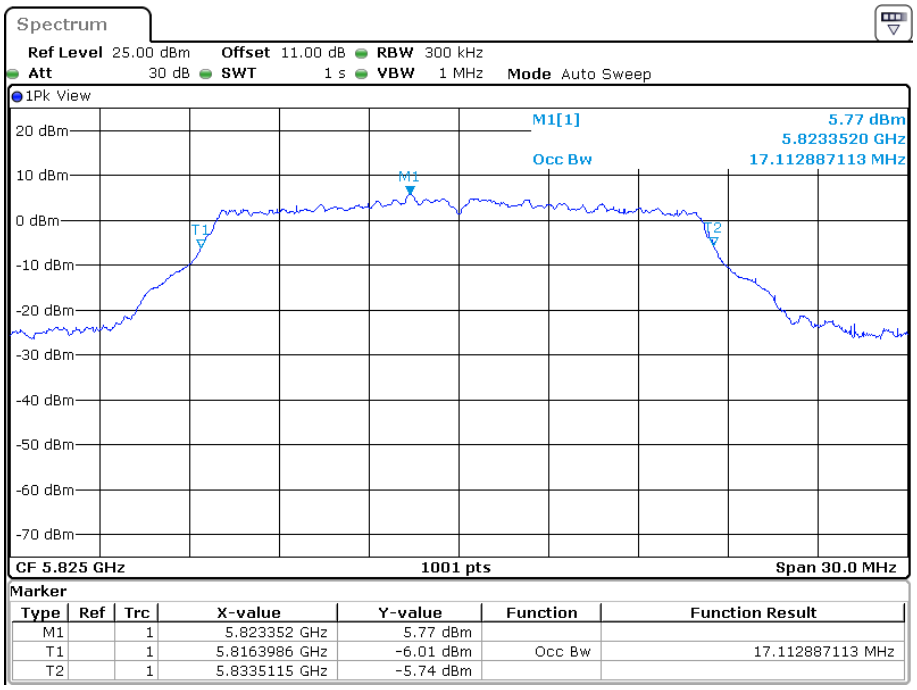

Date: 27.JUN.2022 21:41:41

**802.11a mode, 5785MHz**




Date: 27.JUN.2022 21:44:14

## 802.11a mode, 5825 MHz

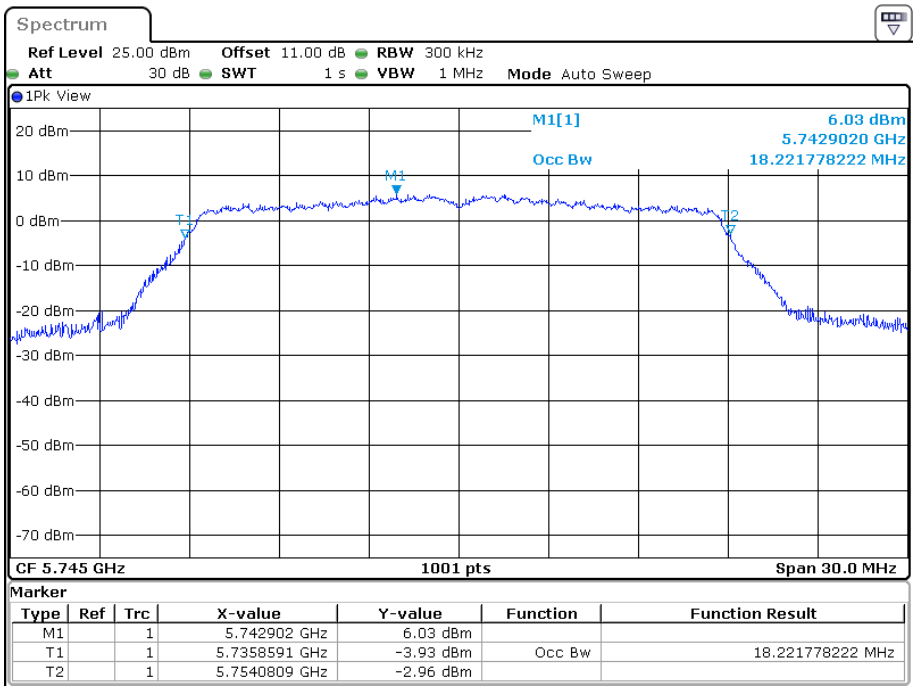



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.823352 GHz | 5.77 dBm | | |
| T1 | | 1 | 5.8163986 GHz | -6.01 dBm | Occ Bw | 17.112887113 MHz |
| T2 | | 1 | 5.8335115 GHz | -5.74 dBm | | |

Date: 27.JUN.2022 21:46:46

## 802.11n20 mode,5745 MHz

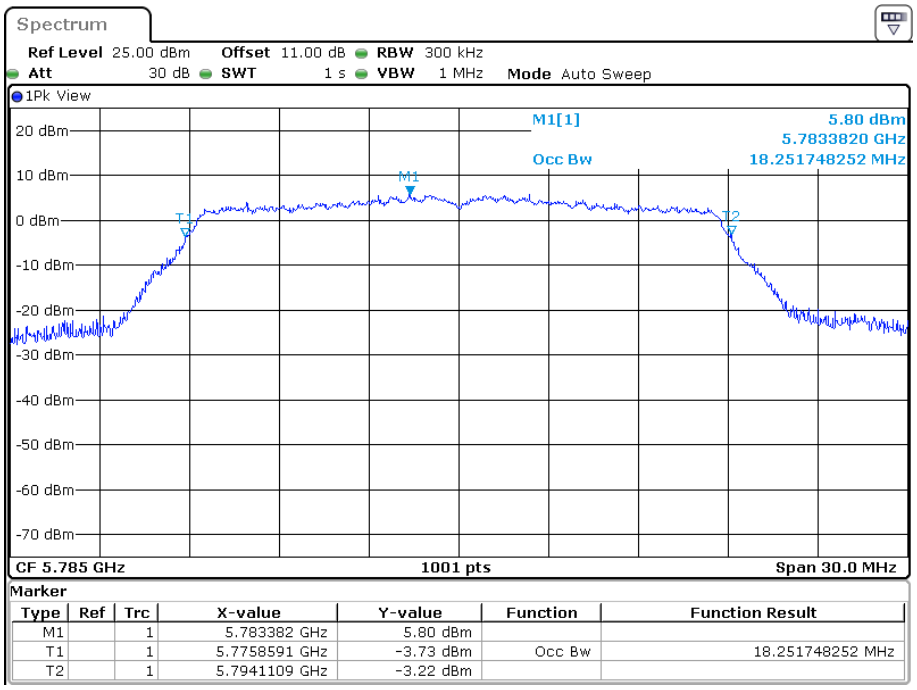



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.742902 GHz | 6.03 dBm | | |
| T1 | | 1 | 5.7358591 GHz | -3.93 dBm | Occ Bw | 18.221778222 MHz |
| T2 | | 1 | 5.7540809 GHz | -2.96 dBm | | |

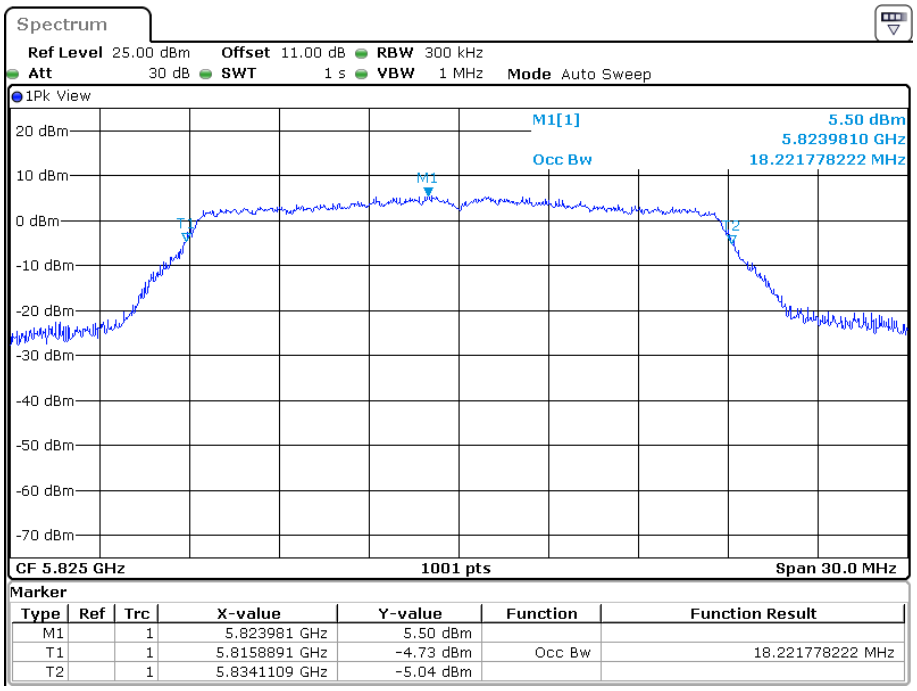
Date: 27.JUN.2022 22:35:36

## 802.11n20 mode, 5785 MHz



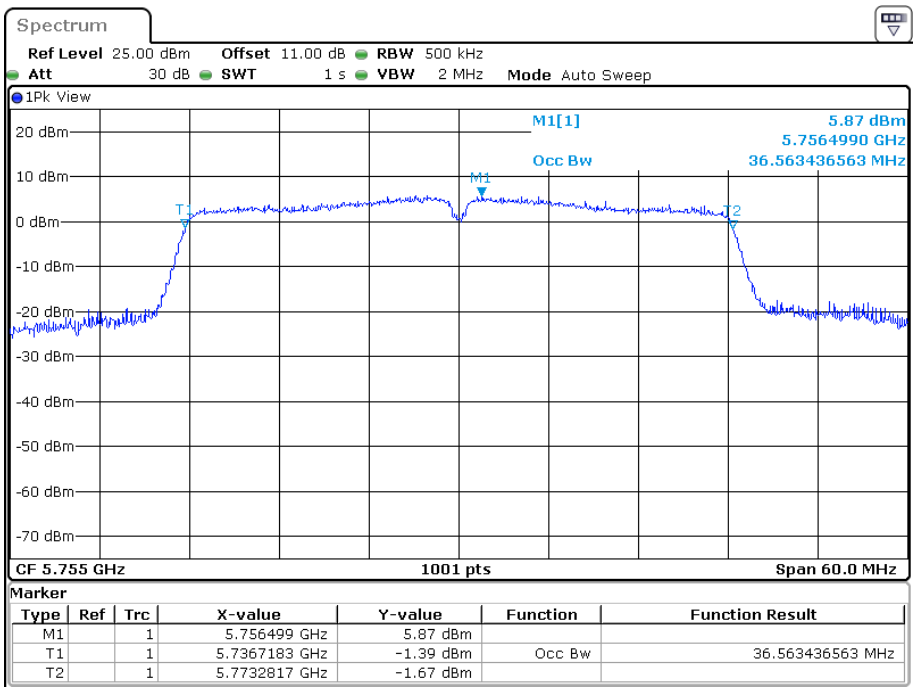

Date: 27.JUN.2022 22:38:20

## 802.11n20 mode, 5825 MHz



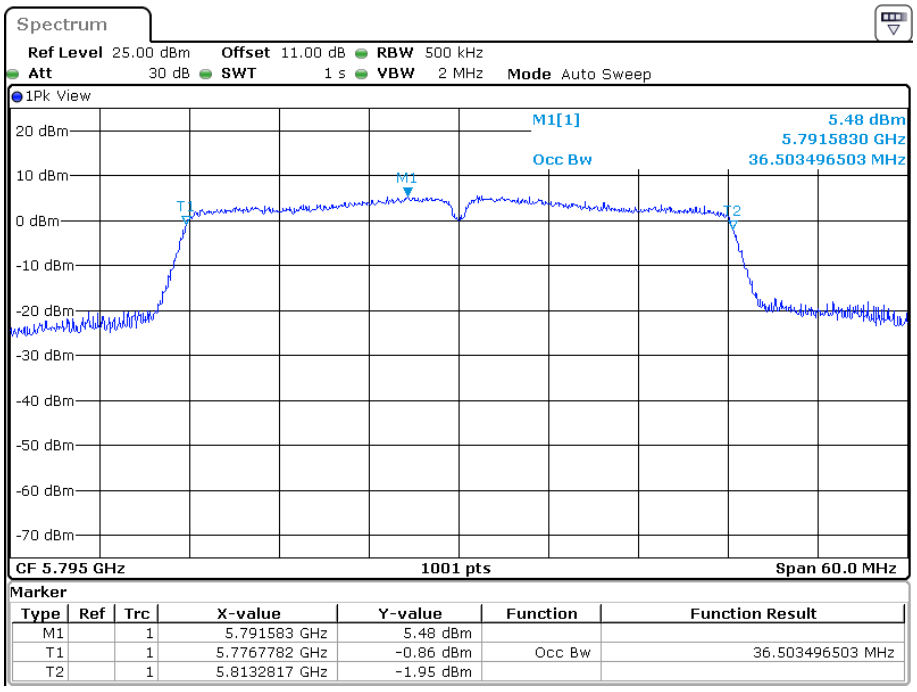

Date: 27.JUN.2022 22:40:49

## 802.11n40 mode, 5755MHz



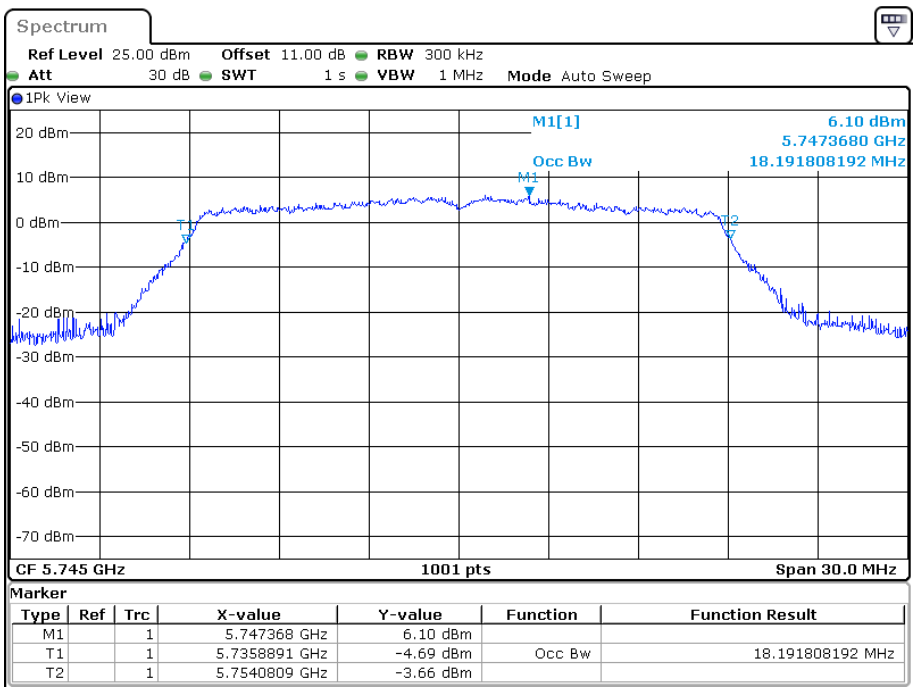

Date: 27.JUN.2022 23:49:08

## 802.11n40 mode, 5795 MHz




Date: 27.JUN.2022 23:52:49

## 802.11ac20 mode, 5745 MHz

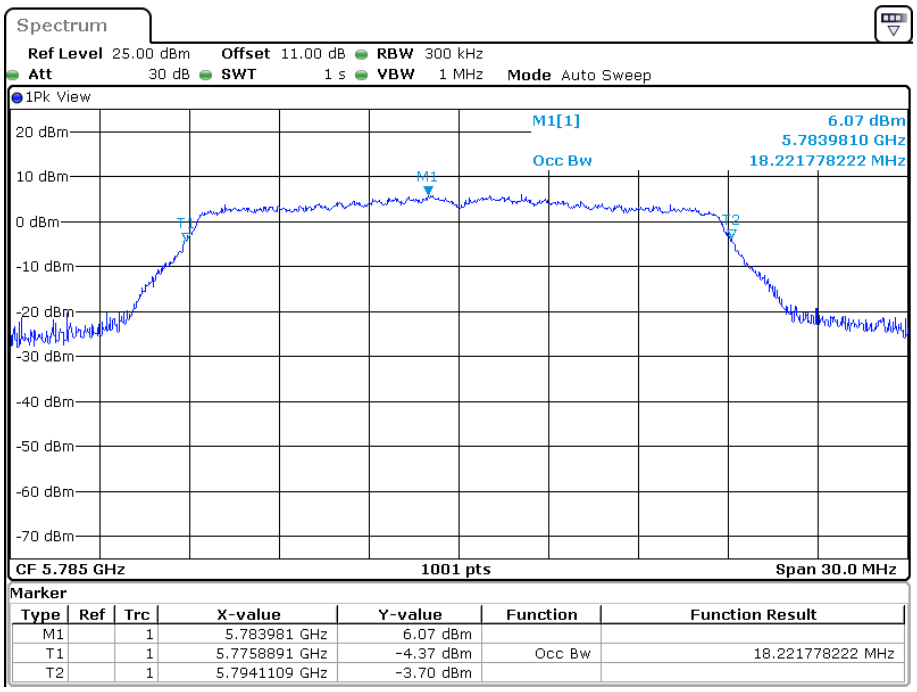



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.747368 GHz | 6.10 dBm | | |
| T1 | | 1 | 5.7358891 GHz | -4.69 dBm | Occ Bw | 18.191808192 MHz |
| T2 | | 1 | 5.7540809 GHz | -3.66 dBm | | |

Date: 27.JUN.2022 23:12:13

## 802.11ac20 mode, 5785 MHz

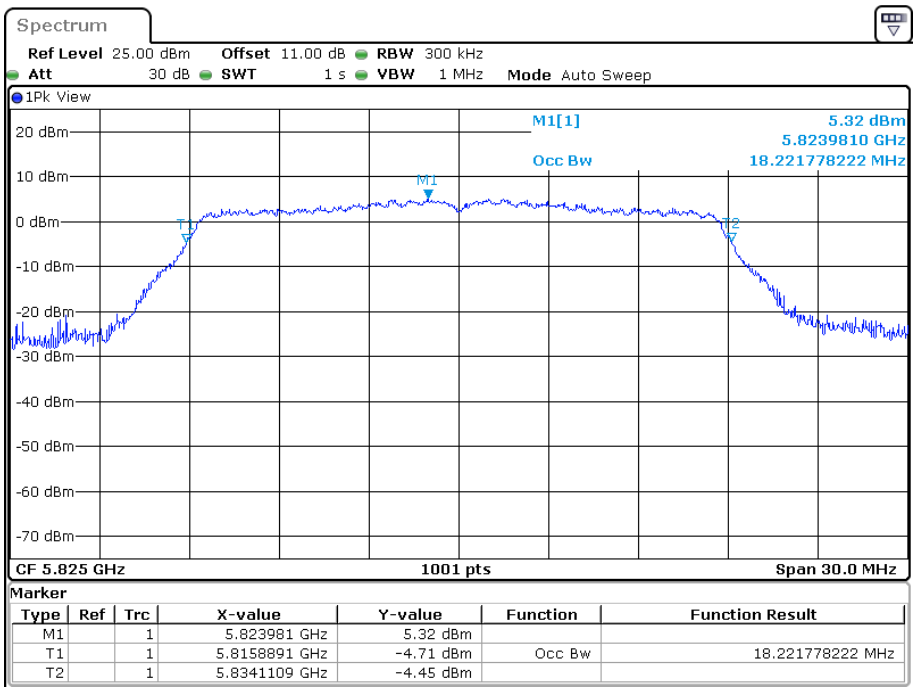



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.783981 GHz | 6.07 dBm | | |
| T1 | | 1 | 5.7758891 GHz | -4.37 dBm | Occ Bw | 18.221778222 MHz |
| T2 | | 1 | 5.7941109 GHz | -3.70 dBm | | |

Date: 27.JUN.2022 23:14:50

**802.11ac20 mode, 5825 MHz**

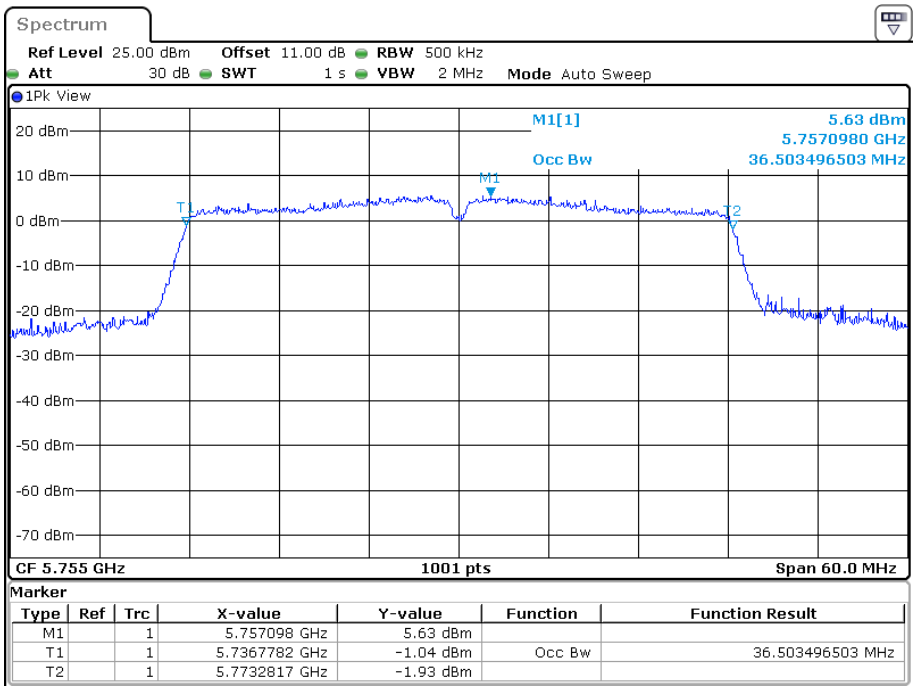



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.823981 GHz | 5.32 dBm | | |
| T1 | | 1 | 5.8158891 GHz | -4.71 dBm | Occ Bw | 18.221778222 MHz |
| T2 | | 1 | 5.8341109 GHz | -4.45 dBm | | |

Date: 27.JUN.2022 23:17:32

**802.11ac40 mode, 5755MHz**

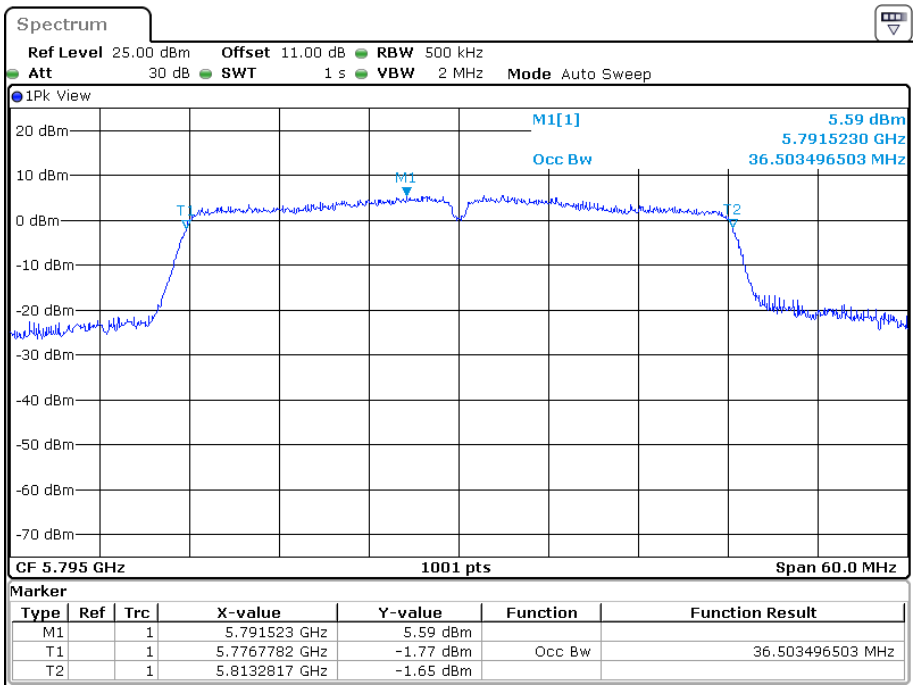



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.757098 GHz | 5.63 dBm | | |
| T1 | | 1 | 5.7367782 GHz | -1.04 dBm | Occ Bw | 36.503496503 MHz |
| T2 | | 1 | 5.7732817 GHz | -1.93 dBm | | |

Date: 28.JUN.2022 00:14:07

**802.11ac40 mode, 5795 MHz**

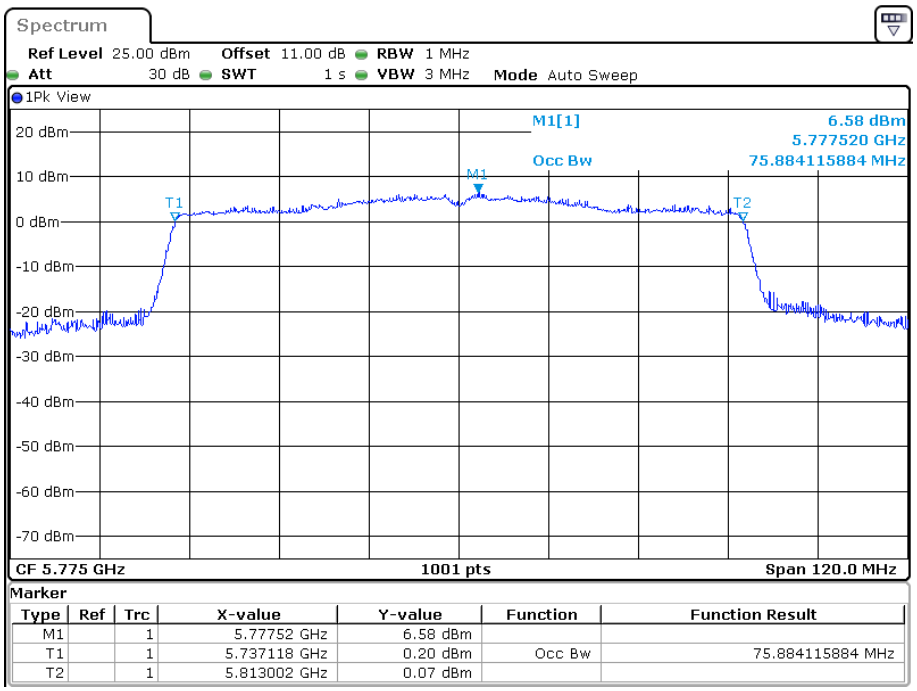



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.791523 GHz | 5.59 dBm | | |
| T1 | | 1 | 5.7767782 GHz | -1.77 dBm | Occ Bw | 36.503496503 MHz |
| T2 | | 1 | 5.8132817 GHz | -1.65 dBm | | |

Date: 28.JUN.2022 00:16:42

**802.11ac80 mode, 5775MHz**




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.77752 GHz | 6.58 dBm | | |
| T1 | | 1 | 5.737118 GHz | 0.20 dBm | Occ Bw | 75.884115884 MHz |
| T2 | | 1 | 5.813002 GHz | 0.07 dBm | | |

Date: 28.JUN.2022 00:30:51

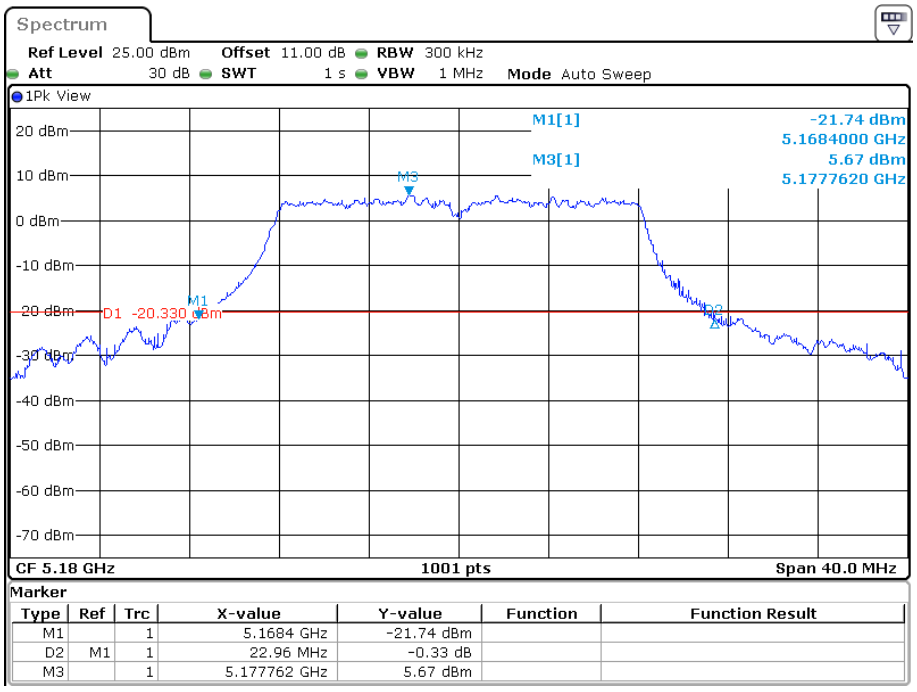
For module:D845

**5150 MHz - 5250 MHz:**

| Frequency (MHz) | Antenna Port | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) | Remark |
|---|---|---|---|---|
| 802.11a | | | | No transmitted signal in the 99% bandwidth extends into the U-NII-2A band |
| 5180 | Ant1 | 22.96 | 16.93 | |
| 5200 | Ant1 | 22.28 | 16.96 | |
| 5240 | Ant1 | 22.40 | 16.90 | |
| 802.11n20 | | | | |
| 5180 | Ant1 | 23.60 | 18.01 | |
| 5200 | Ant1 | 23.20 | 18.10 | |
| 5240 | Ant1 | 23.68 | 17.98 | |
| 802.11n40 | | | | |
| 5190 | Ant1 | 42.80 | 36.80 | |
| 5230 | Ant1 | 42.80 | 36.74 | |
| 802.11ac20 | | | | |
| 5180 | Ant1 | 23.72 | 18.10 | |
| 5200 | Ant1 | 23.96 | 18.10 | |
| 5240 | Ant1 | 23.64 | 18.04 | |
| 802.11ac40 | | | | |
| 5190 | Ant1 | 42.88 | 36.68 | |
| 5230 | Ant1 | 42.72 | 36.74 | |
| 11ac80 | | | | |
| 5210 | Ant1 | 86.40 | 76.24 | |

## 26 dB Emission Bandwidth

### 802.11a mode, 5180 MHz

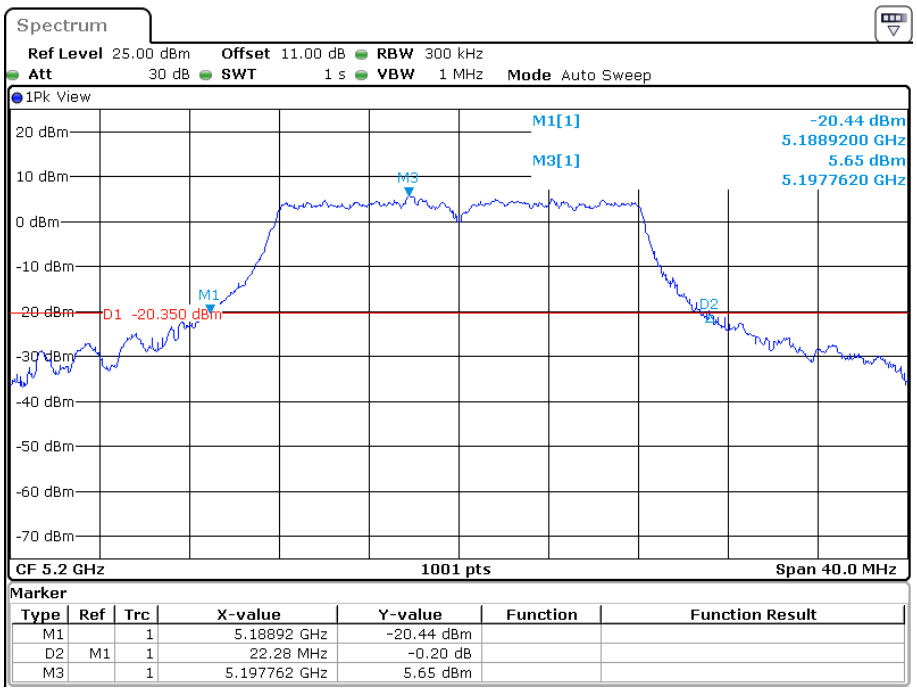



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.1684 GHz | -21.74 dBm | | |
| D2 | M1 | 1 | 22.96 MHz | -0.33 dB | | |
| M3 | | 1 | 5.177762 GHz | 5.67 dBm | | |

Date: 28.JUN.2022 20:57:37

### 802.11a mode, 5200 MHz

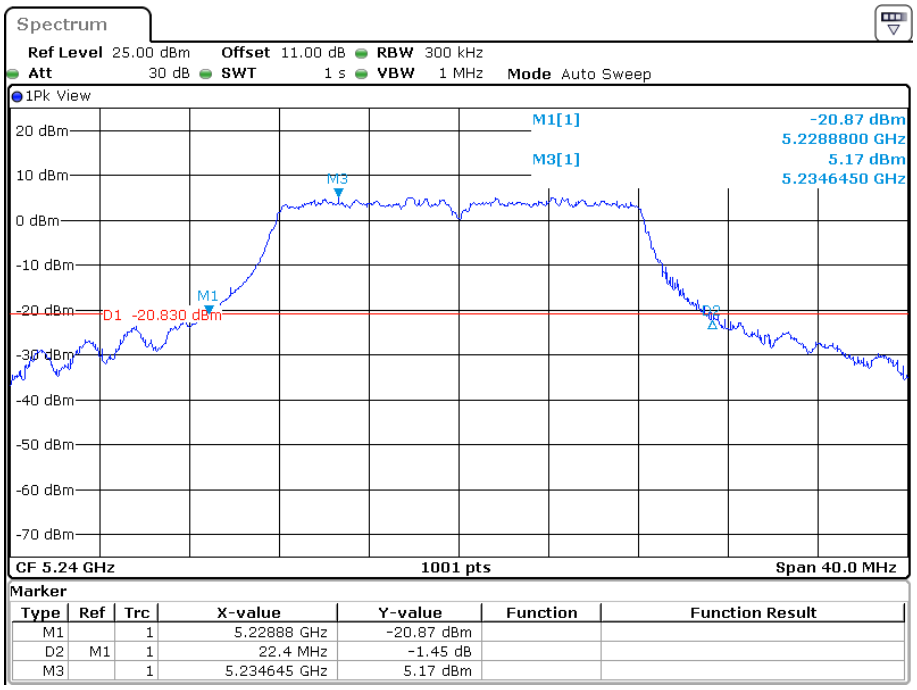



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.18892 GHz | -20.44 dBm | | |
| D2 | M1 | 1 | 22.28 MHz | -0.20 dB | | |
| M3 | | 1 | 5.197762 GHz | 5.65 dBm | | |

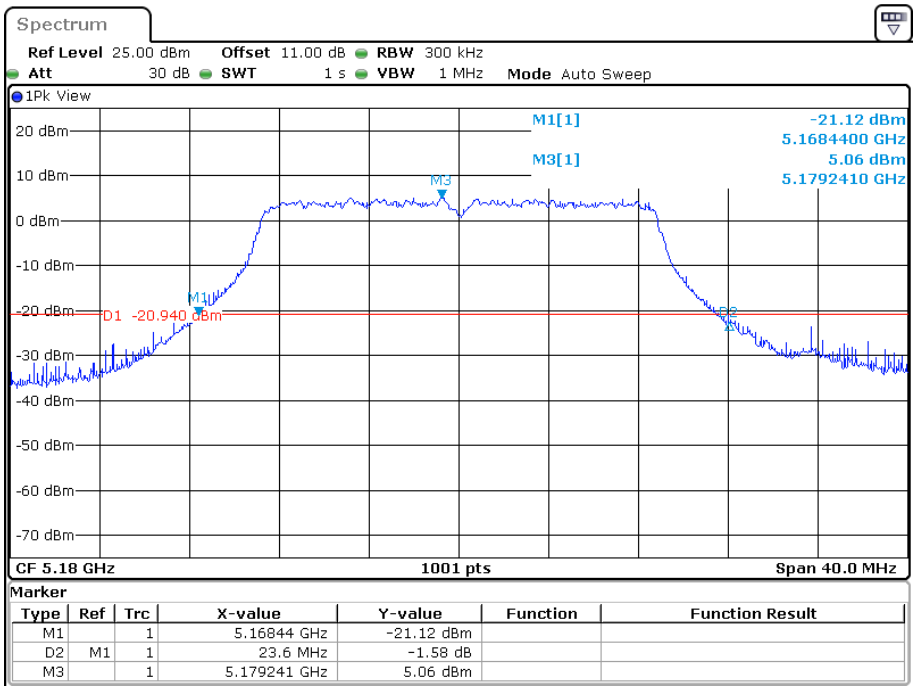
Date: 28.JUN.2022 21:00:10

## 802.11a mode, 5240 MHz



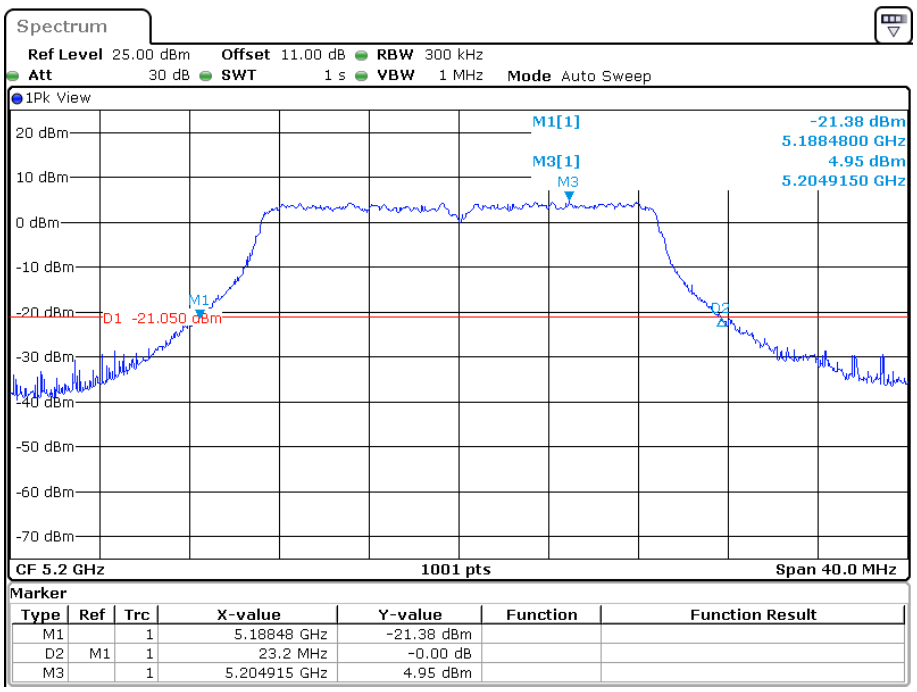

Date: 28.JUN.2022 21:03:20

## 802.11n20 mode,5180 MHz




Date: 29.JUN.2022 00:05:51

## 802.11n20 mode, 5200 MHz

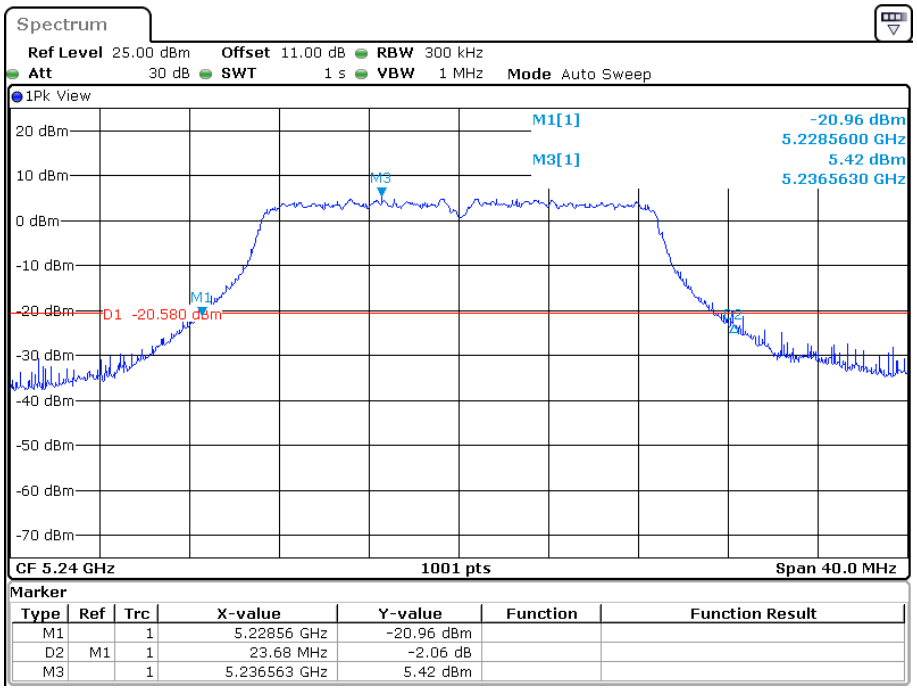



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.18848 GHz | -21.38 dBm | | |
| D2 | M1 | 1 | 23.2 MHz | -0.00 dB | | |
| M3 | | 1 | 5.204915 GHz | 4.95 dBm | | |

Date: 29.JUN.2022 00:08:19

## 802.11n20 mode, 5240 MHz

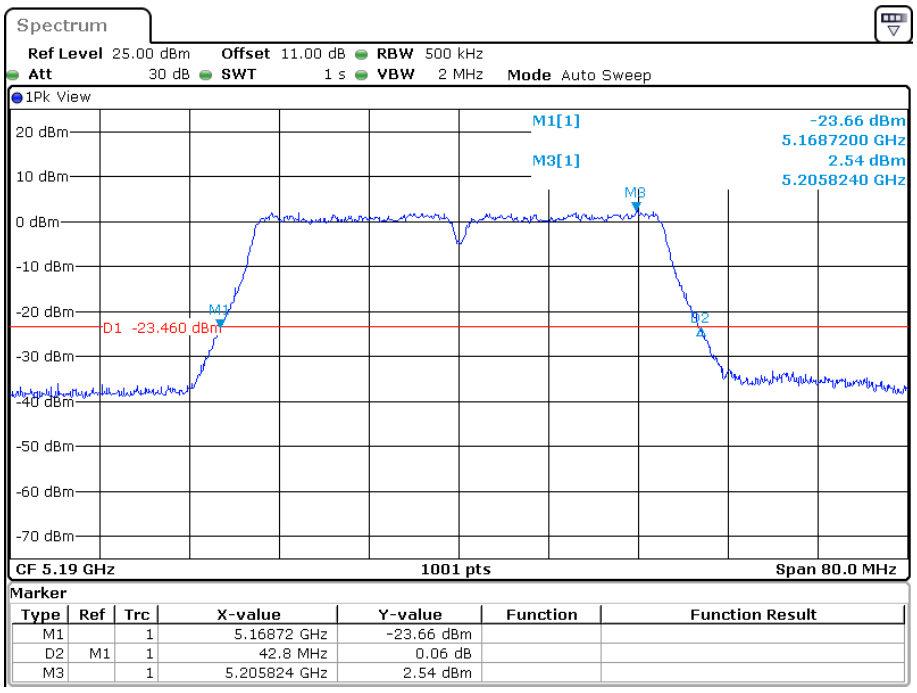



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.22856 GHz | -20.96 dBm | | |
| D2 | M1 | 1 | 23.68 MHz | -2.06 dB | | |
| M3 | | 1 | 5.236563 GHz | 5.42 dBm | | |

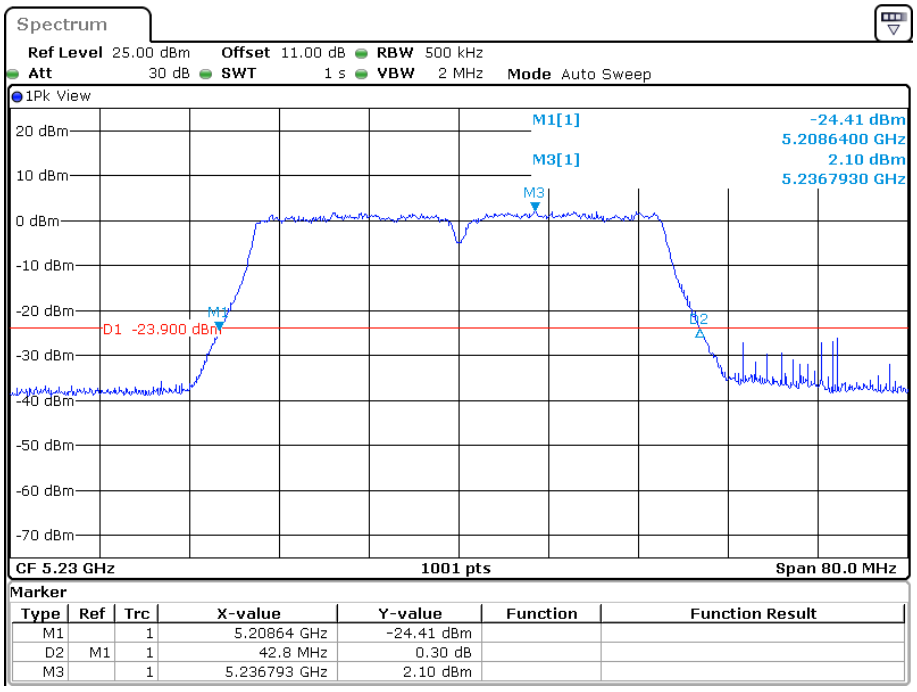
Date: 29.JUN.2022 00:10:50

## 802.11n40 mode, 5190 MHz



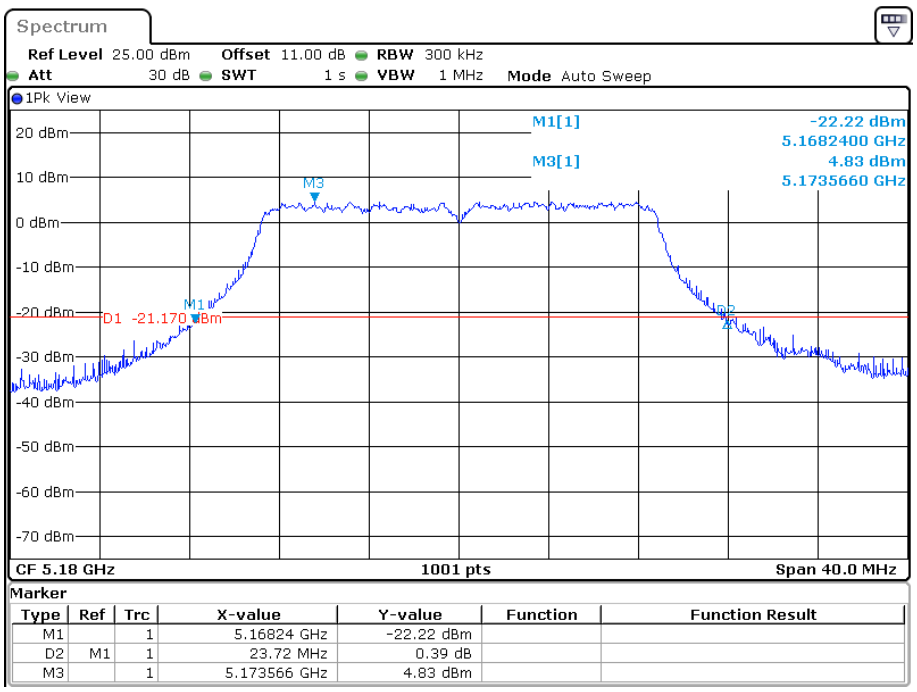

Date: 29.JUN.2022 00:29:46

## 802.11n40 mode, 5230 MHz




Date: 29.JUN.2022 00:32:15

## 802.11ac20 mode, 5180 MHz

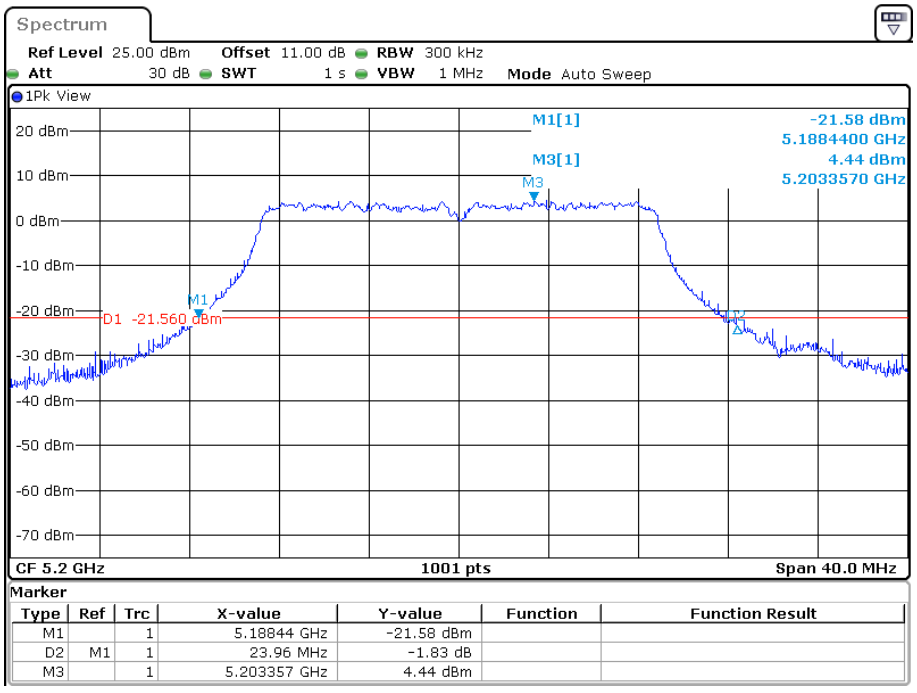



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.16824 GHz | -22.22 dBm | | |
| D2 | M1 | 1 | 23.72 MHz | 0.39 dB | | |
| M3 | | 1 | 5.173566 GHz | 4.83 dBm | | |

Date: 29.JUN.2022 19:42:18

## 802.11ac20 mode, 5200 MHz

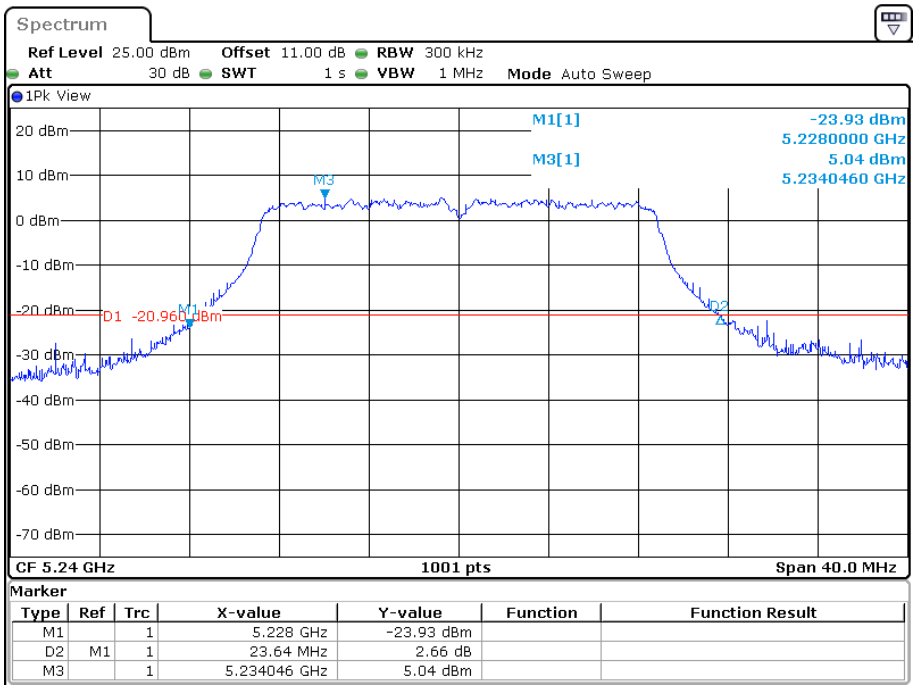



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.18844 GHz | -21.58 dBm | | |
| D2 | M1 | 1 | 23.96 MHz | -1.83 dB | | |
| M3 | | 1 | 5.203357 GHz | 4.44 dBm | | |

Date: 29.JUN.2022 19:46:19

**802.11ac20 mode, 5240 MHz**

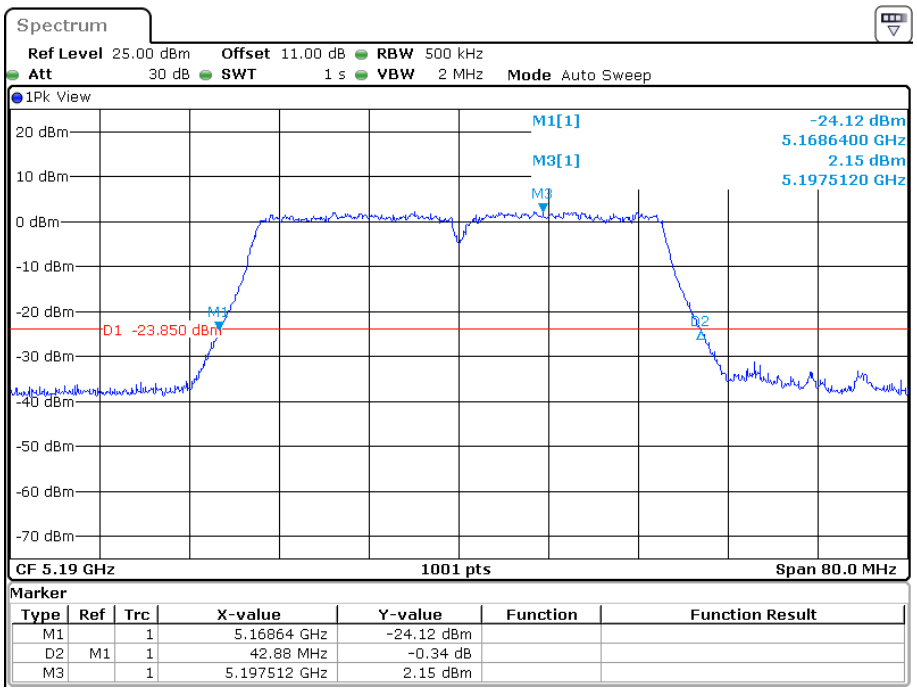



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.228 GHz | -23.93 dBm | | |
| D2 | M1 | 1 | 23.64 MHz | 2.66 dB | | |
| M3 | | 1 | 5.234046 GHz | 5.04 dBm | | |

Date: 29.JUN.2022 19:50:30

**802.11ac40 mode, 5190 MHz**

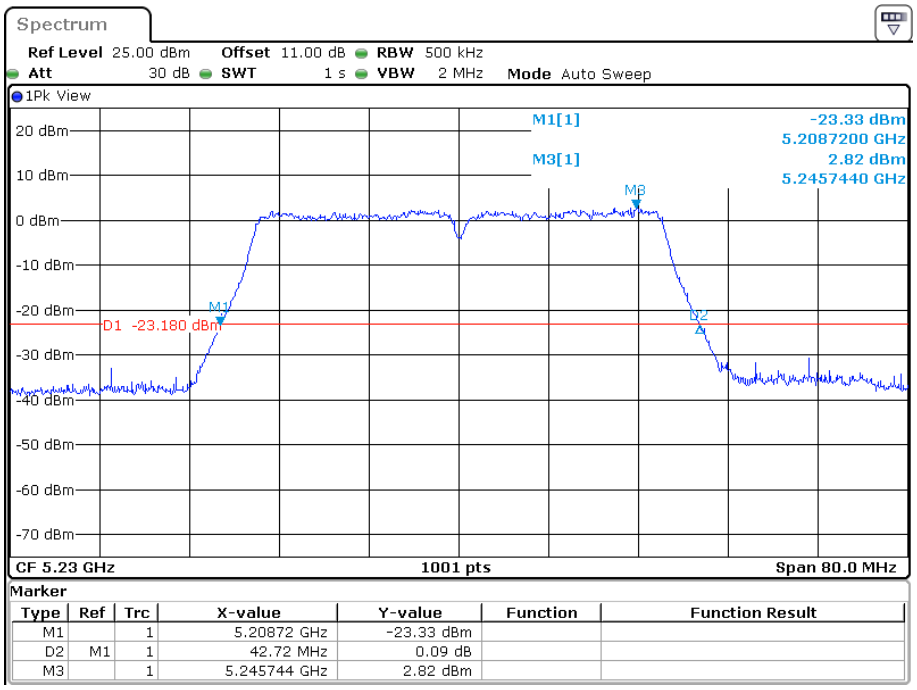



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.16864 GHz | -24.12 dBm | | |
| D2 | M1 | 1 | 42.88 MHz | -0.34 dB | | |
| M3 | | 1 | 5.197512 GHz | 2.15 dBm | | |

Date: 30.JUN.2022 00:25:33

**802.11ac40 mode, 5230 MHz**

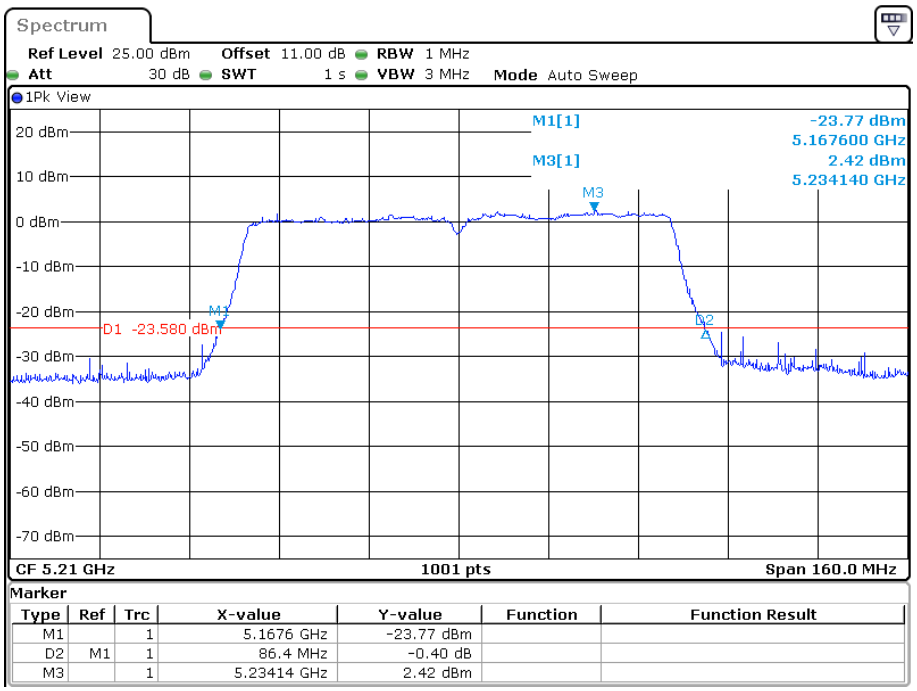



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.20872 GHz | -23.33 dBm | | |
| D2 | M1 | 1 | 42.72 MHz | 0.09 dB | | |
| M3 | | 1 | 5.245744 GHz | 2.82 dBm | | |

Date: 30.JUN.2022 00:28:08

**802.11ac80 mode, 5210 MHz**



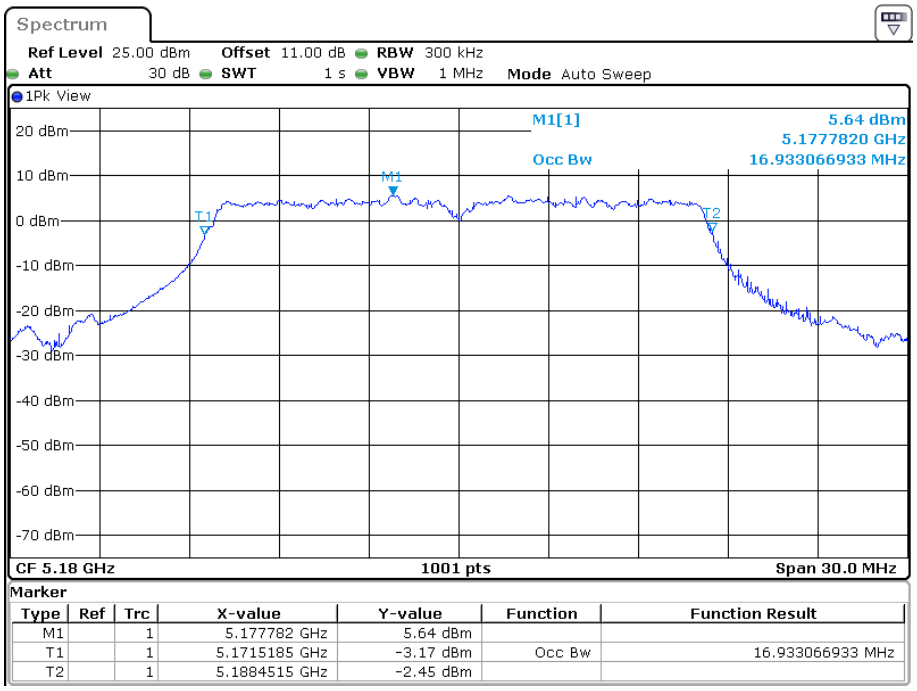

Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.1676 GHz | -23.77 dBm | | |
| D2 | M1 | 1 | 86.4 MHz | -0.40 dB | | |
| M3 | | 1 | 5.23414 GHz | 2.42 dBm | | |

Date: 30.JUN.2022 00:46:07

## 99% Occupied Bandwidth

### 802.11a mode, 5180 MHz

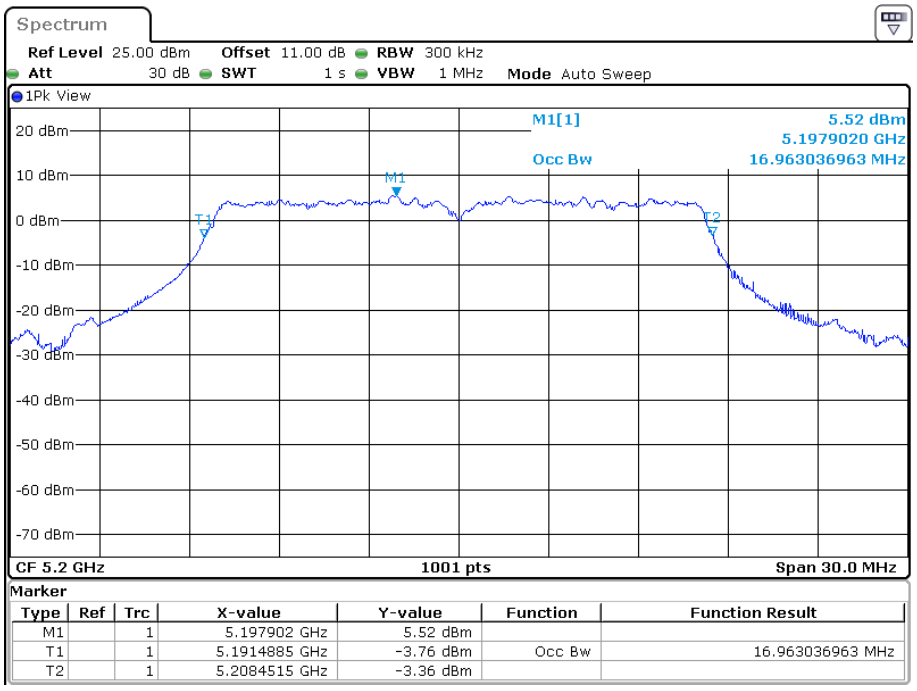



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.177782 GHz | 5.64 dBm | | |
| T1 | | 1 | 5.1715185 GHz | -3.17 dBm | Occ Bw | 16.933066933 MHz |
| T2 | | 1 | 5.1884515 GHz | -2.45 dBm | | |

Date: 28.JUN.2022 20:57:08

### 802.11a mode, 5200 MHz

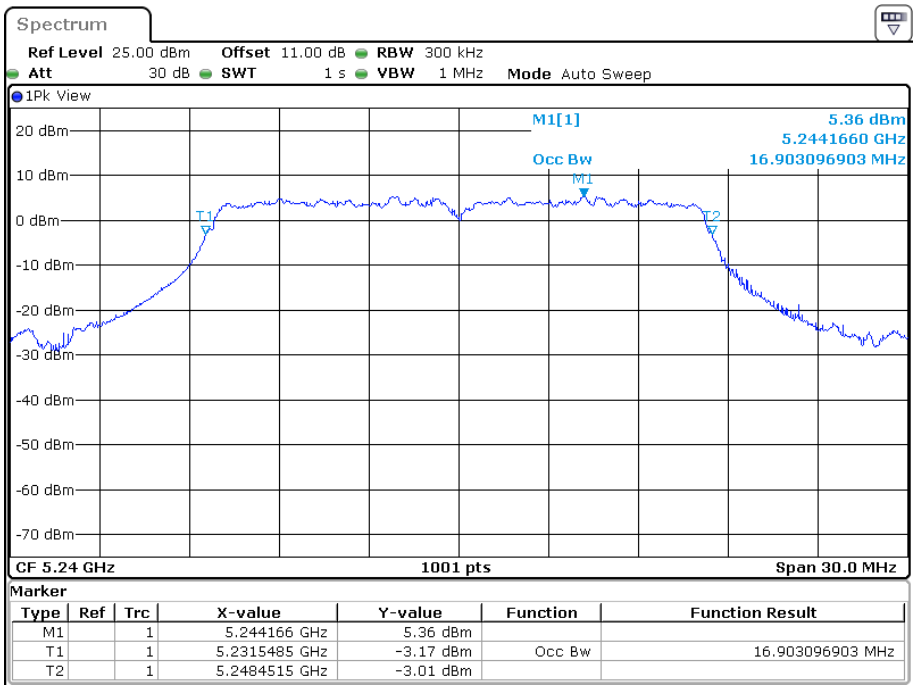



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.197902 GHz | 5.52 dBm | | |
| T1 | | 1 | 5.1914885 GHz | -3.76 dBm | Occ Bw | 16.963036963 MHz |
| T2 | | 1 | 5.2084515 GHz | -3.36 dBm | | |

Date: 28.JUN.2022 20:59:40

## 802.11a mode, 5240 MHz

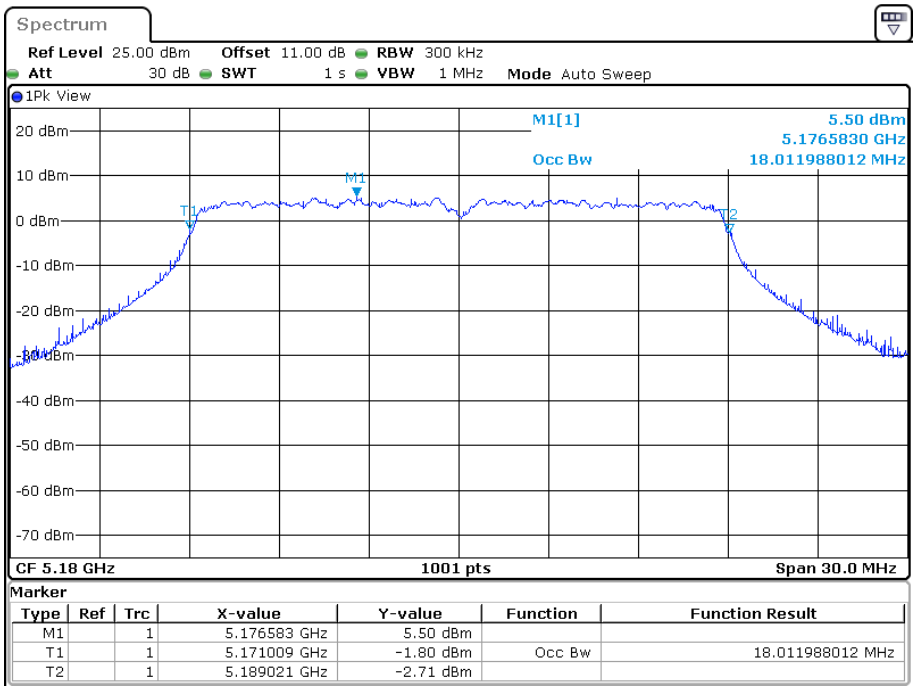



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.244166 GHz | 5.36 dBm | | |
| T1 | | 1 | 5.2315485 GHz | -3.17 dBm | Occ Bw | 16.903096903 MHz |
| T2 | | 1 | 5.2484515 GHz | -3.01 dBm | | |

Date: 28.JUN.2022 21:02:50

## 802.11n20 mode,5180 MHz

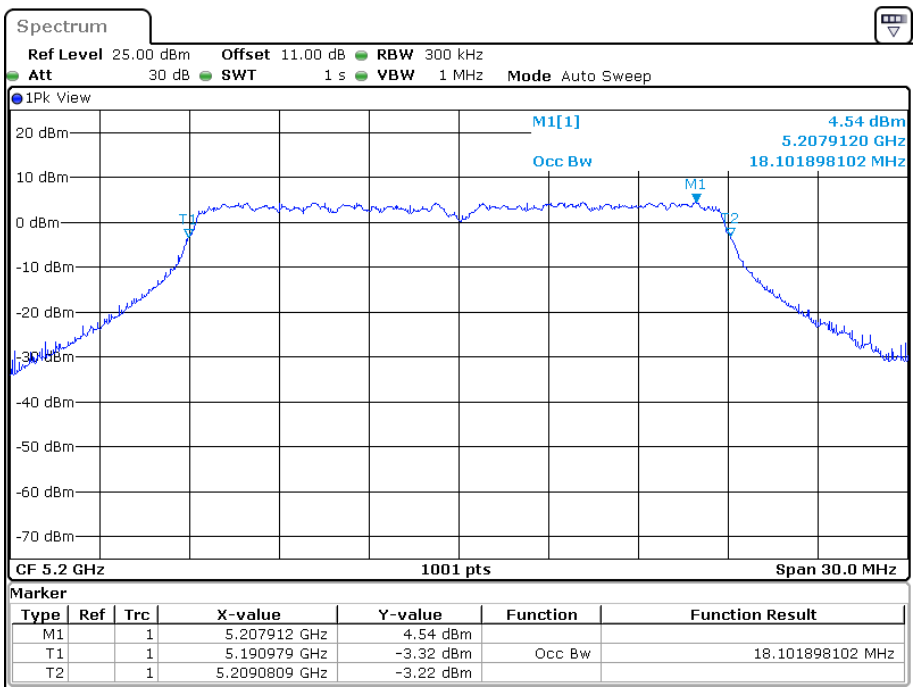



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.176583 GHz | 5.50 dBm | | |
| T1 | | 1 | 5.171009 GHz | -1.80 dBm | Occ Bw | 18.011988012 MHz |
| T2 | | 1 | 5.189021 GHz | -2.71 dBm | | |

Date: 29.JUN.2022 00:05:21

## 802.11n20 mode, 5200 MHz

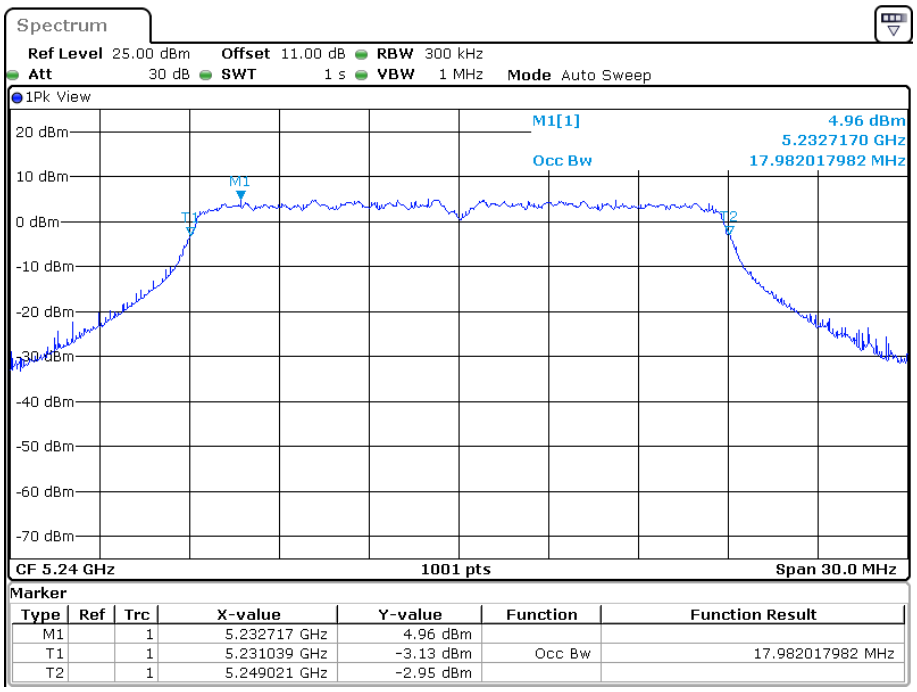



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.207912 GHz | 4.54 dBm | | |
| T1 | | 1 | 5.190979 GHz | -3.32 dBm | Occ Bw | 18.101898102 MHz |
| T2 | | 1 | 5.2090809 GHz | -3.22 dBm | | |

Date: 29.JUN.2022 00:07:50

## 802.11n20 mode, 5240 MHz

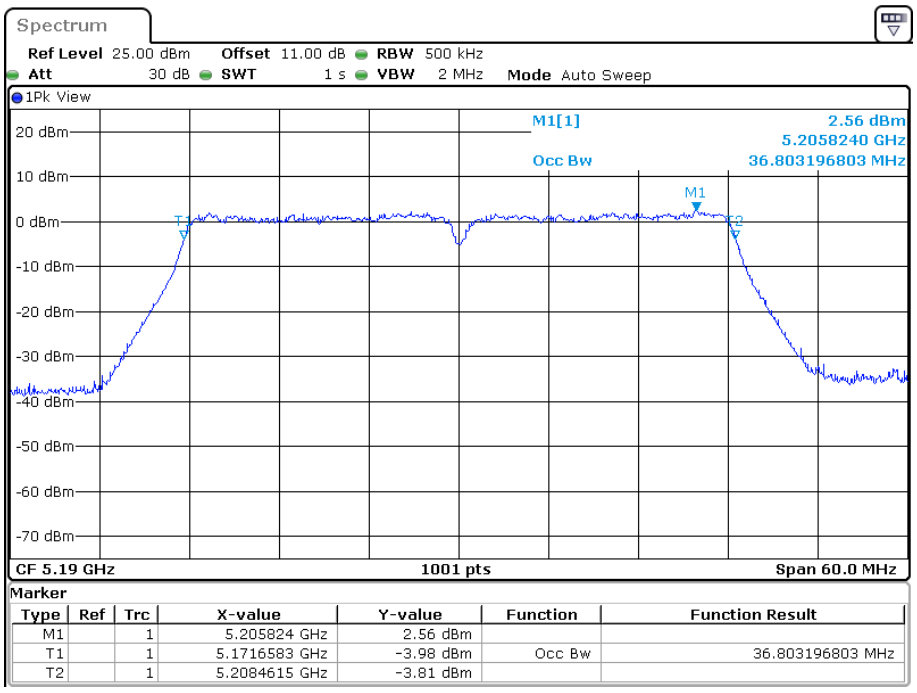



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.232717 GHz | 4.96 dBm | | |
| T1 | | 1 | 5.231039 GHz | -3.13 dBm | Occ Bw | 17.982017982 MHz |
| T2 | | 1 | 5.249021 GHz | -2.95 dBm | | |

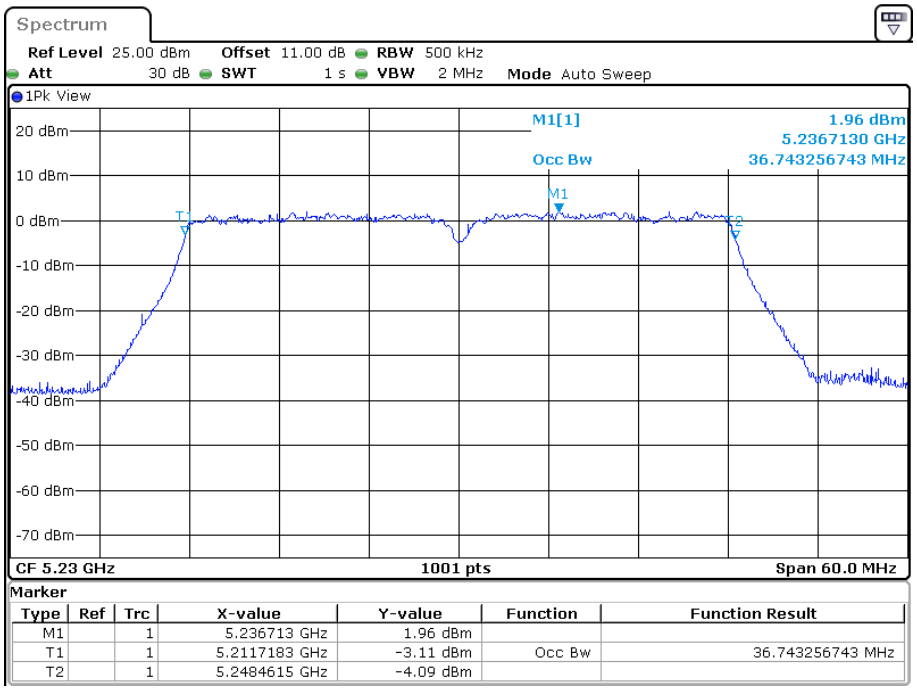
Date: 29.JUN.2022 00:10:21

## 802.11n40 mode, 5190 MHz



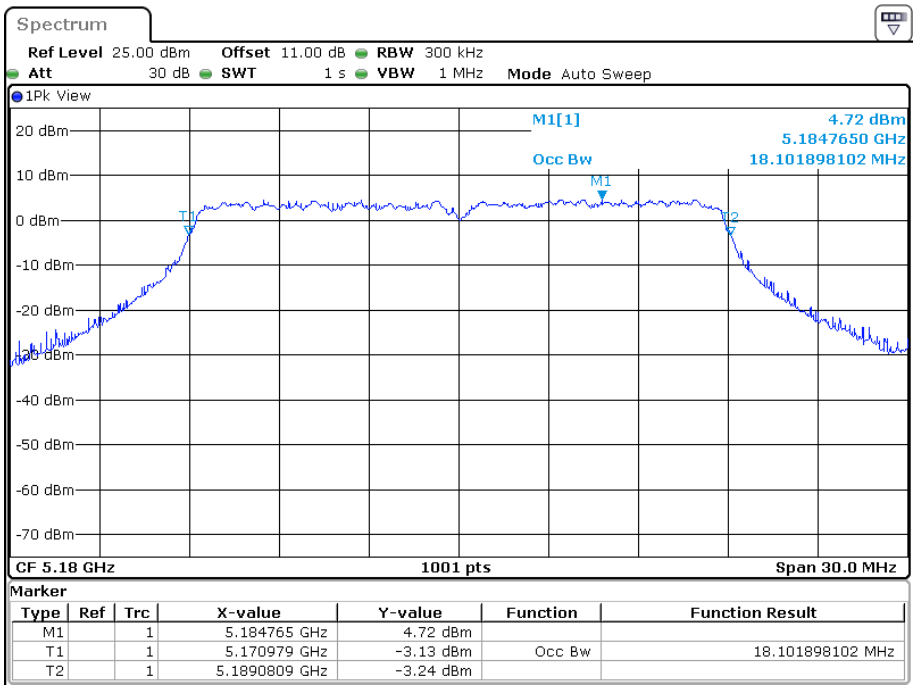

Date: 29.JUN.2022 00:29:17

## 802.11n40 mode, 5230 MHz



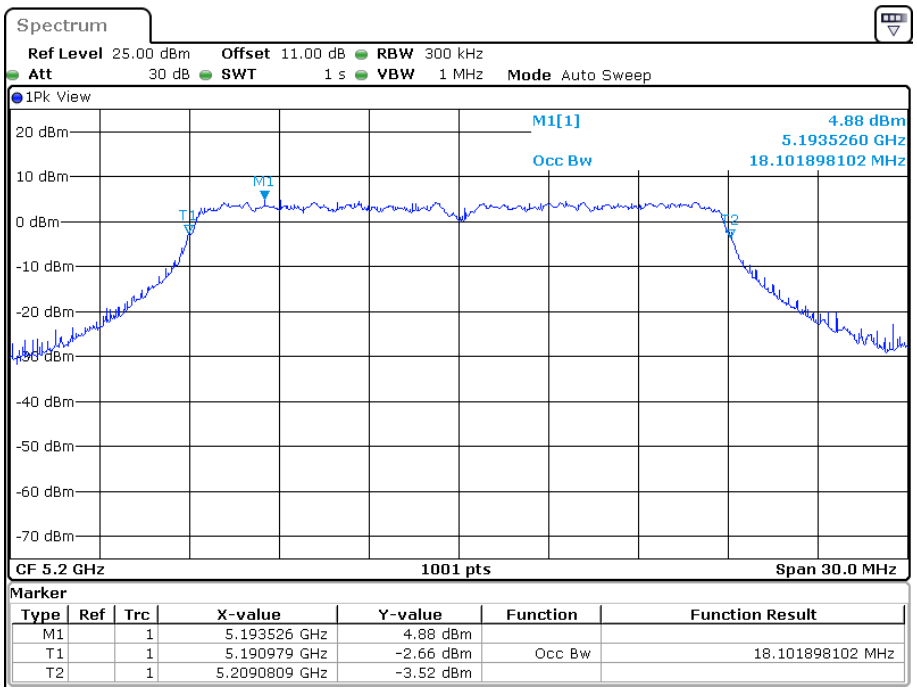

Date: 29.JUN.2022 00:31:45

**802.11ac20 mode, 5180 MHz**



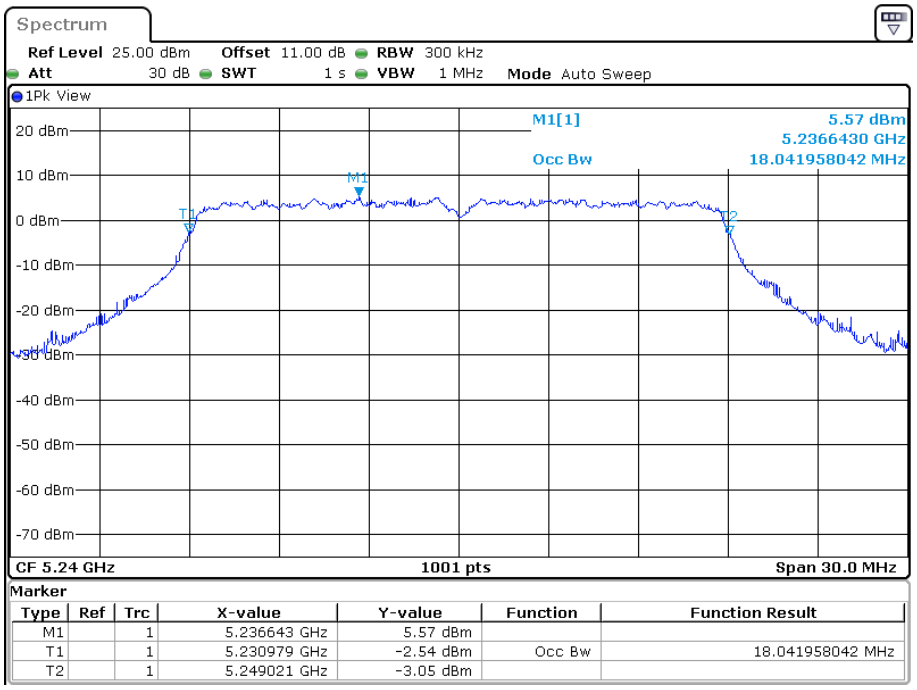

Date: 29.JUN.2022 19:41:48

**802.11ac20 mode, 5200 MHz**




Date: 29.JUN.2022 19:44:14

## 802.11ac20 mode, 5240 MHz

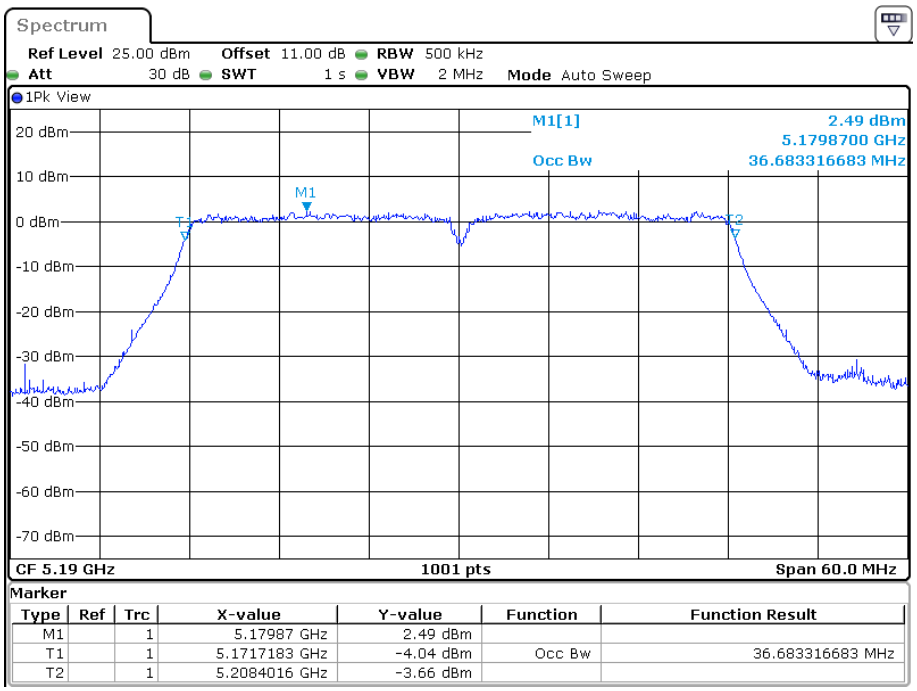



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.236643 GHz | 5.57 dBm | | |
| T1 | | 1 | 5.230979 GHz | -2.54 dBm | Occ Bw | 18.041958042 MHz |
| T2 | | 1 | 5.249021 GHz | -3.05 dBm | | |

Date: 29.JUN.2022 19:47:46

## 802.11ac40 mode, 5190 MHz

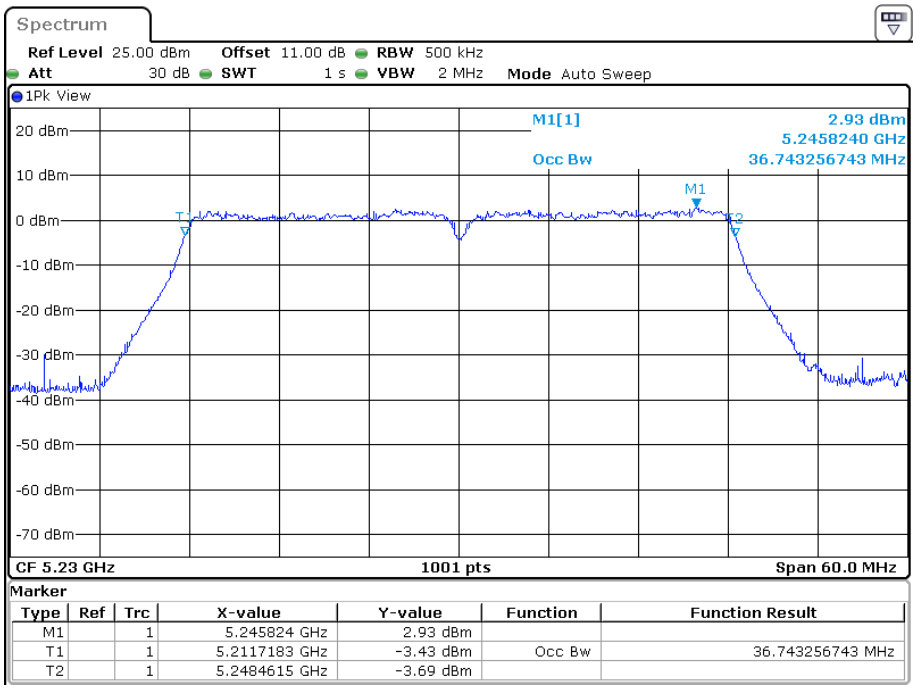



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.17987 GHz | 2.49 dBm | | |
| T1 | | 1 | 5.1717183 GHz | -4.04 dBm | Occ Bw | 36.683316683 MHz |
| T2 | | 1 | 5.2084016 GHz | -3.66 dBm | | |

Date: 30.JUN.2022 00:25:04

**802.11ac40 mode, 5230 MHz**

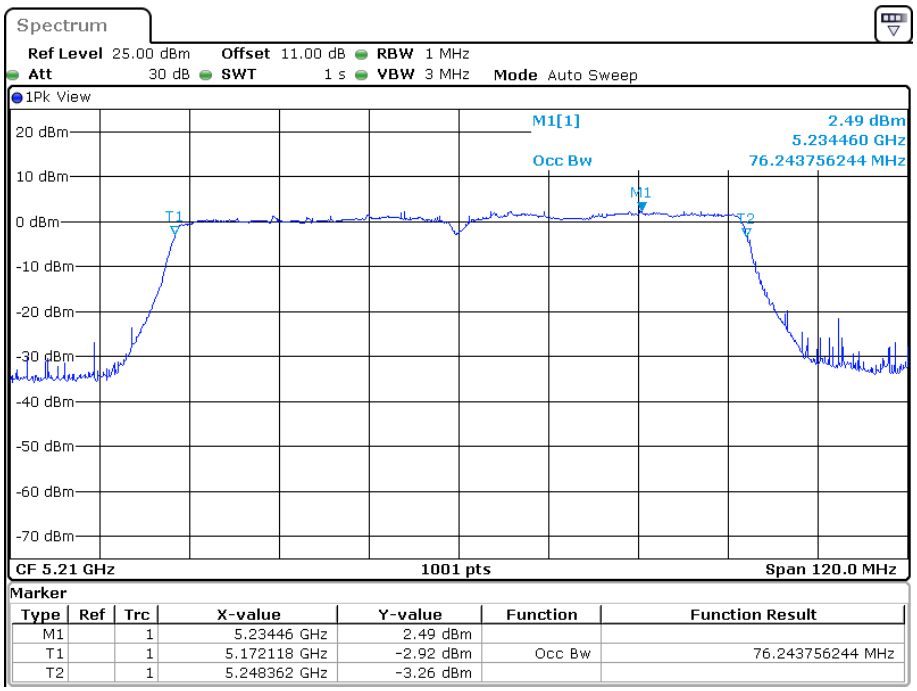



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.245824 GHz | 2.93 dBm | | |
| T1 | | 1 | 5.2117183 GHz | -3.43 dBm | Occ Bw | 36.743256743 MHz |
| T2 | | 1 | 5.2484615 GHz | -3.69 dBm | | |

Date: 30.JUN.2022 00:27:39

**802.11ac80 mode, 5210 MHz**




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.23446 GHz | 2.49 dBm | | |
| T1 | | 1 | 5.172118 GHz | -2.92 dBm | Occ Bw | 76.243756244 MHz |
| T2 | | 1 | 5.248362 GHz | -3.26 dBm | | |

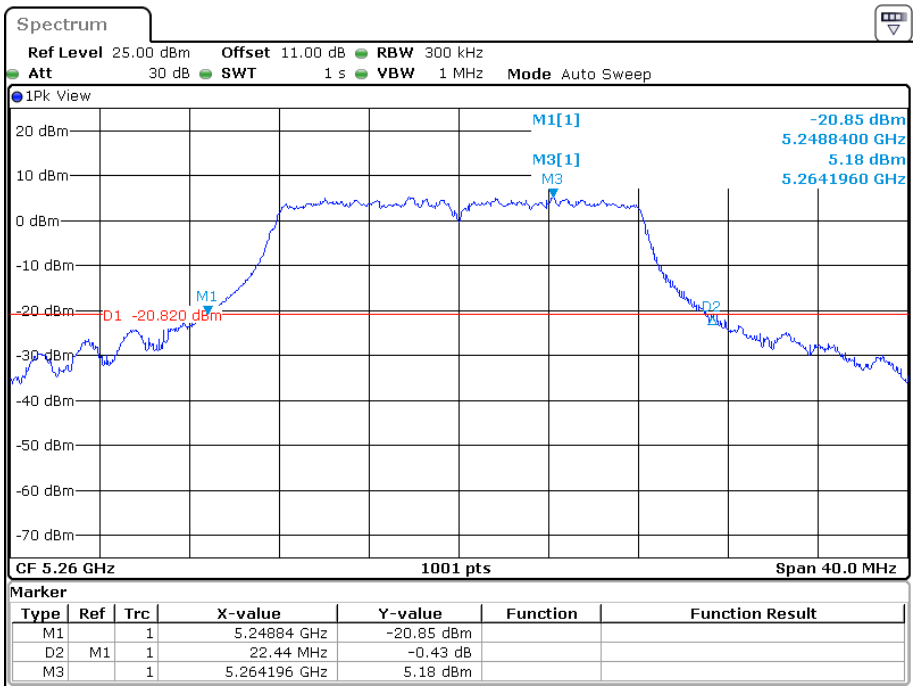
Date: 30.JUN.2022 00:44:05

**5250 MHz - 5350 MHz:**

| Frequency (MHz) | Antenna Port | 26dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
|---|---|---|---|
| **802.11a** | | | |
| 5260 | Ant1 | 22.44 | 16.90 |
| 5280 | Ant1 | 22.64 | 16.90 |
| 5320 | Ant1 | 22.72 | 16.93 |
| **802.11n20** | | | |
| 5260 | Ant1 | 23.68 | 18.10 |
| 5280 | Ant1 | 24.40 | 18.07 |
| 5320 | Ant1 | 23.76 | 17.98 |
| **802.11n40** | | | |
| 5270 | Ant1 | 42.80 | 36.68 |
| 5310 | Ant1 | 42.72 | 36.68 |
| **802.11ac20** | | | |
| 5260 | Ant1 | 23.72 | 18.10 |
| 5280 | Ant1 | 24.04 | 18.01 |
| 5320 | Ant1 | 23.80 | 18.04 |
| **802.11ac40** | | | |
| 5270 | Ant1 | 42.64 | 36.68 |
| 5310 | Ant1 | 42.64 | 36.68 |
| **802.11ac80** | | | |
| 5290 | Ant1 | 86.40 | 76.24 |

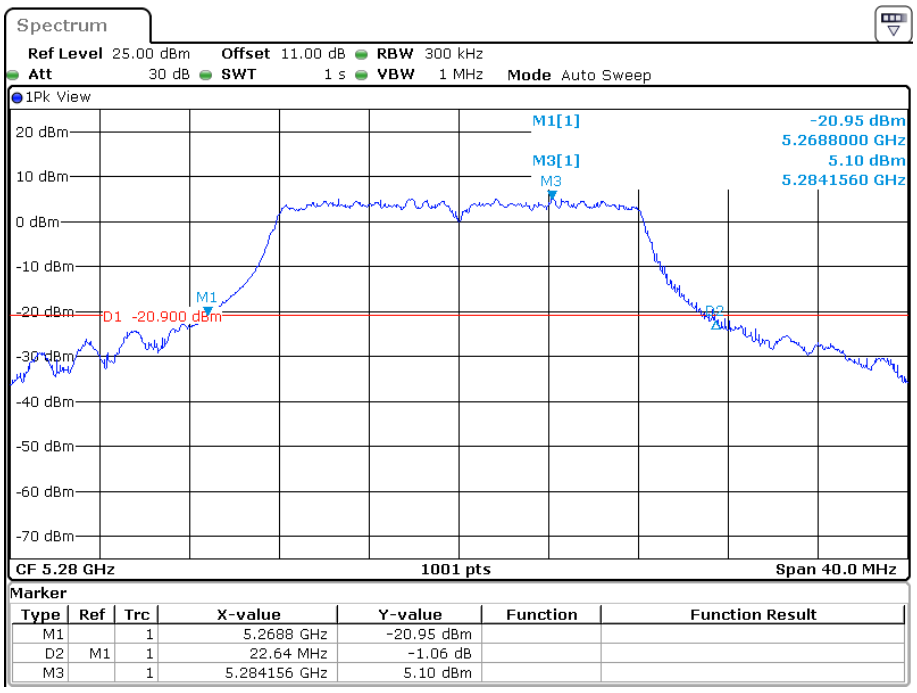
## 26 dB Emission Bandwidth

### 802.11a mode, 5260 MHz



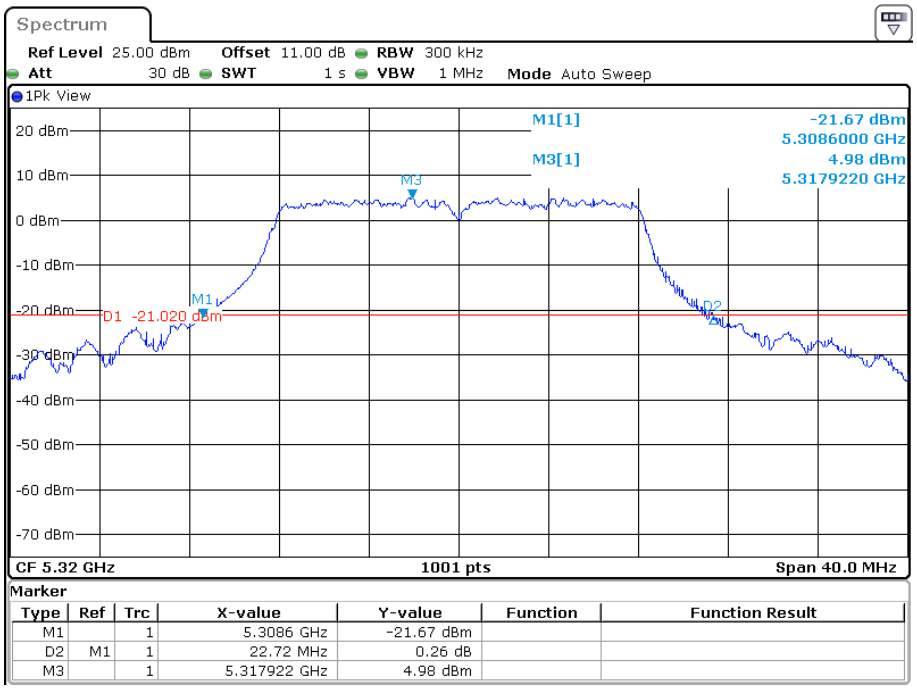

Date: 28.JUN.2022 21:05:58

### 802.11a mode, 5280MHz




Date: 28.JUN.2022 21:26:54

## 802.11a mode, 5320MHz

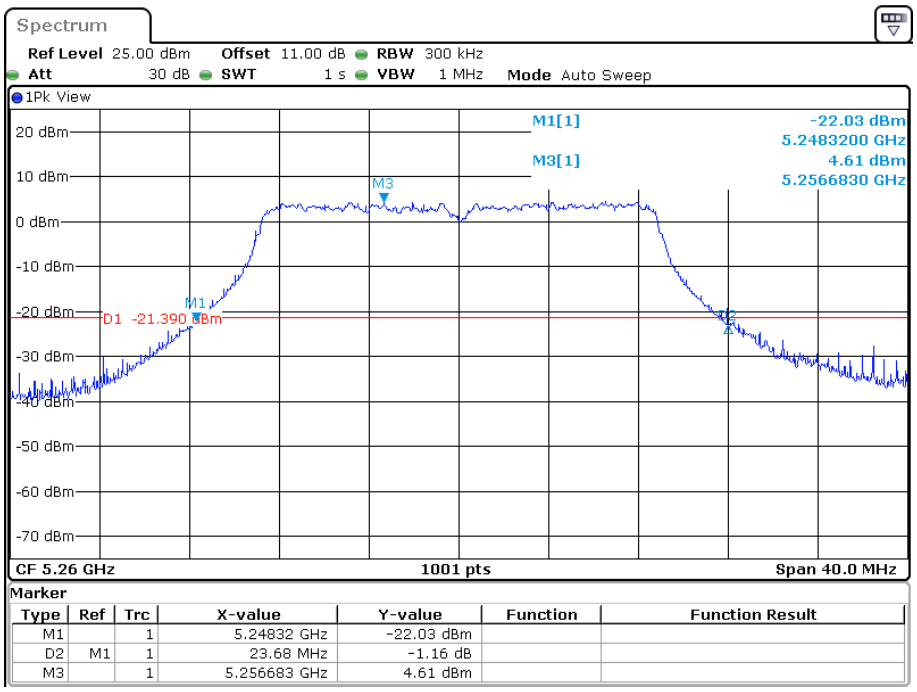



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.3086 GHz | -21.67 dBm | | |
| D2 | M1 | 1 | 22.72 MHz | 0.26 dB | | |
| M3 | | 1 | 5.317922 GHz | 4.98 dBm | | |

Date: 28.JUN.2022 21:42:15

## 802.11n20 mode,5260 MHz

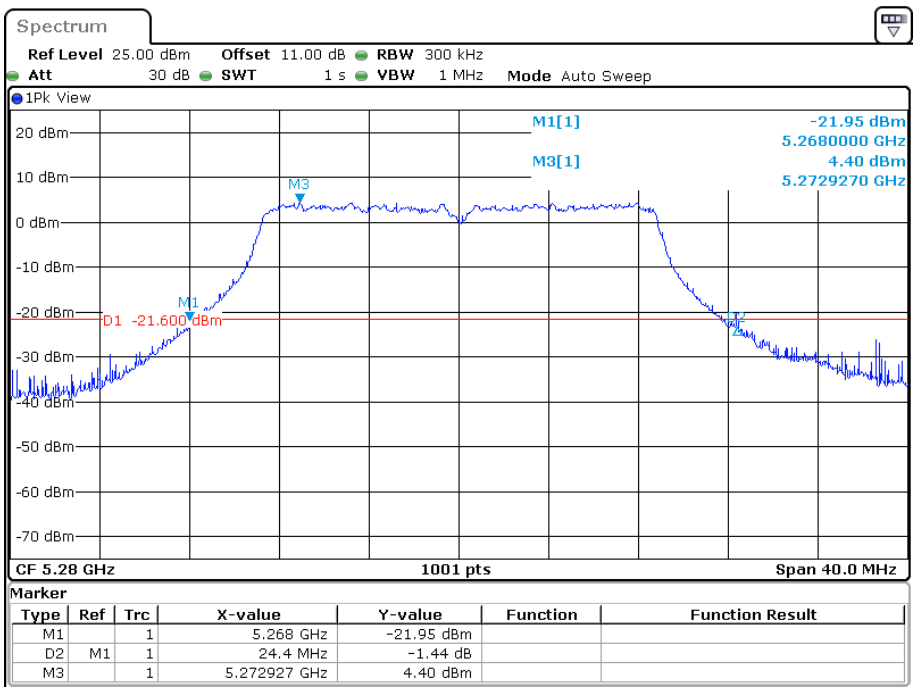



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.24832 GHz | -22.03 dBm | | |
| D2 | M1 | 1 | 23.68 MHz | -1.16 dB | | |
| M3 | | 1 | 5.256683 GHz | 4.61 dBm | | |

Date: 29.JUN.2022 00:13:28

## 802.11n20 mode, 5280MHz

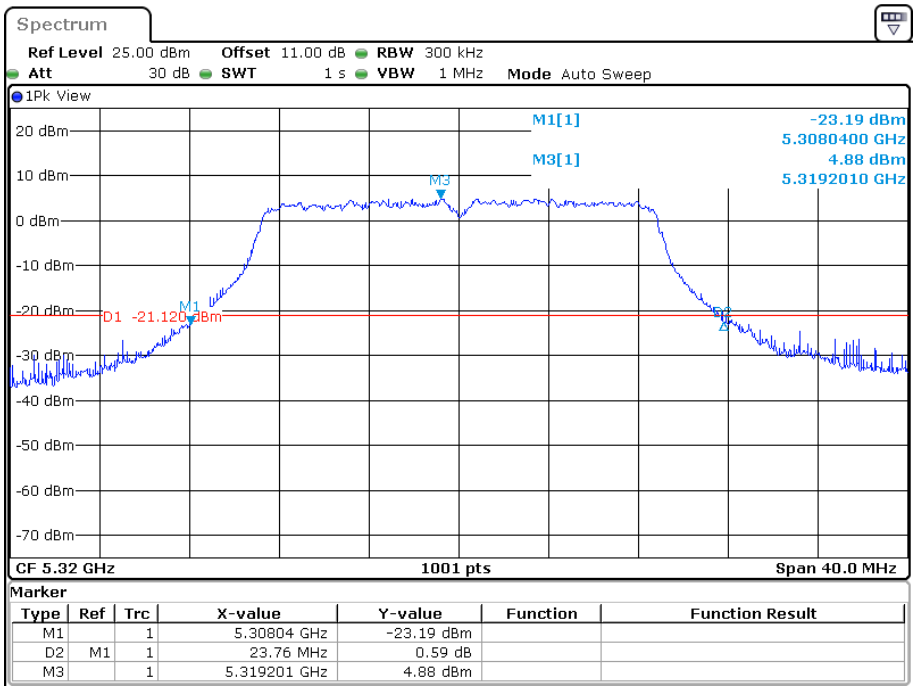



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.268 GHz | -21.95 dBm | | |
| D2 | M1 | 1 | 24.4 MHz | -1.44 dB | | |
| M3 | | 1 | 5.272927 GHz | 4.40 dBm | | |

Date: 29.JUN.2022 00:15:55

## 802.11n20 mode, 5320 MHz

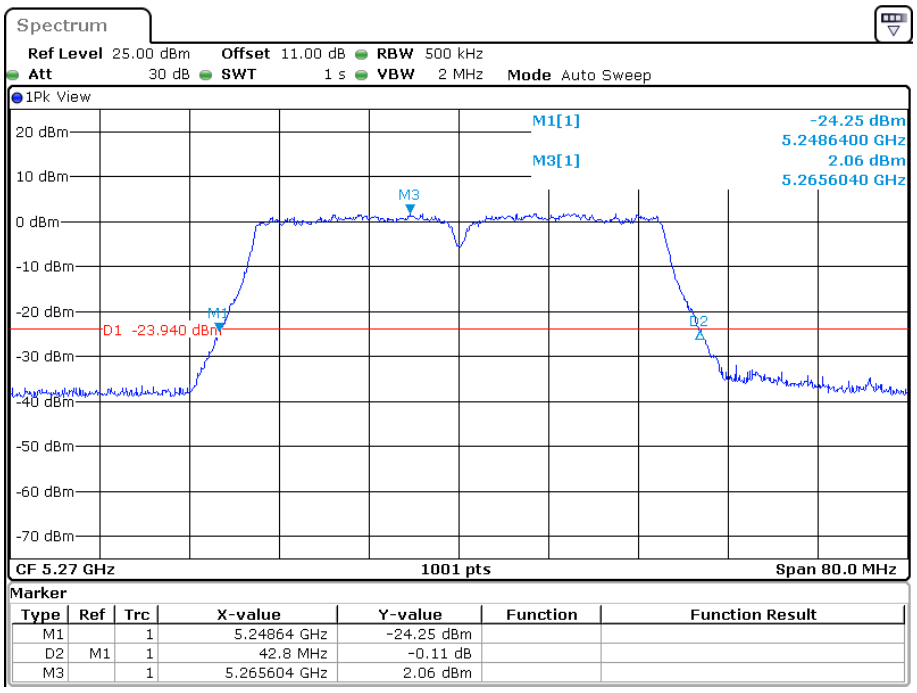



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.30804 GHz | -23.19 dBm | | |
| D2 | M1 | 1 | 23.76 MHz | 0.59 dB | | |
| M3 | | 1 | 5.319201 GHz | 4.88 dBm | | |

Date: 29.JUN.2022 00:18:26

## 802.11n40 mode, 5270 MHz

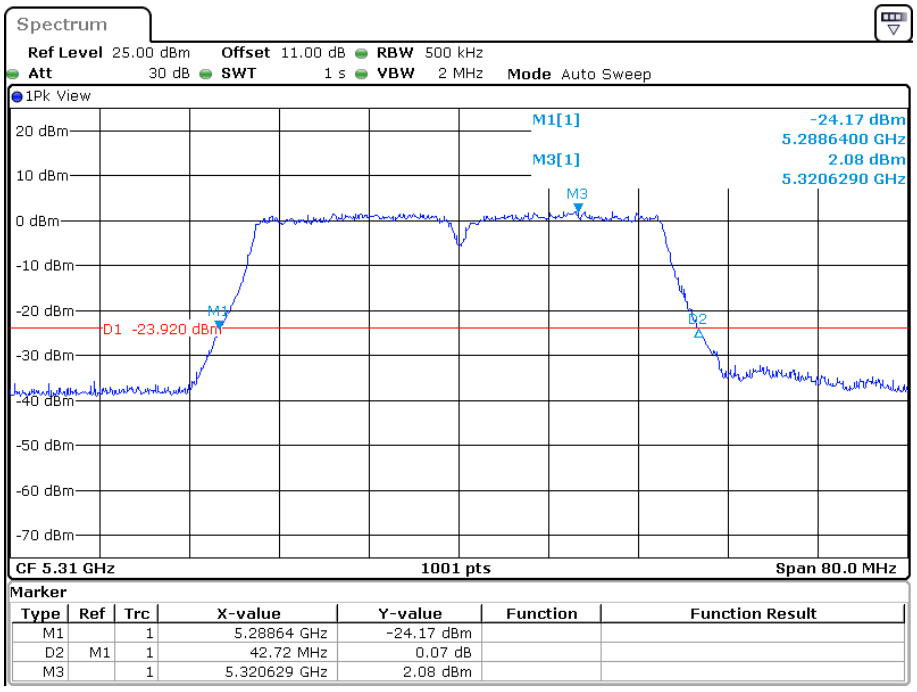



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.24864 GHz | -24.25 dBm | | |
| D2 | M1 | 1 | 42.8 MHz | -0.11 dB | | |
| M3 | | 1 | 5.265604 GHz | 2.06 dBm | | |

Date: 29.JUN.2022 00:34:58

## 802.11n40 mode, 5310 MHz




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.28864 GHz | -24.17 dBm | | |
| D2 | M1 | 1 | 42.72 MHz | 0.07 dB | | |
| M3 | | 1 | 5.320629 GHz | 2.08 dBm | | |

Date: 29.JUN.2022 00:37:36