

TEST REPORT

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Report Number: SZ4240130-07021E-RF-00C
FCC ID: 2AQ3A-VT04

Test Standard (s)

FCC PART 15.407

Sample Description

Product Type: Projector
Model No.: LS470W
Multiple Model(s) No.: WPY022, WPY023, WPY024, WPY025, WPY026, WPY014
Trade Mark: N/A
Date Received: 2024/01/30
Issue Date: 2024/07/09

| | |
|--------------|-------|
| Test Result: | Pass▲ |
|--------------|-------|

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

Prepared and Checked By:

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Andy Yu
RF Engineer

Approved By:

Nancy Wang

Nancy Wang
RF Supervisor

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

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DOCUMENT REVISION HISTORY

| Revision Number | Report Number | Description of Revision | Date of Revision |
|-----------------|-------------------------|-------------------------|------------------|
| 0 | SZ4240130-07021E-RF-00C | Original Report | 2024/07/09 |

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

| | |
|---|--|
| Product | Projector |
| Tested Model | LS470W |
| Multiple Model(s) | WPY022, WPY023, WPY024, WPY025, WPY026, WPY014 |
| Frequency Range | 5G Wi-Fi: 5150-5250MHz; 5725-5850MHz |
| Mode | 802.11a/n20/n40/ac20/ac40 |
| Maximum Conducted Average Output Power | 5150-5250MHz: 14.04dBm 5725-5850MHz: 16.89dBm |
| Modulation Technique | OFDM |
| Antenna Specification [#] | 2.95dBi (provided by the applicant) |
| Voltage Range | DC 21V from adapter |
| Sample serial number | 2KQK-2 for Conducted and Radiated Emissions Test 2KQK-1 for RF Conducted Test (Assigned by BAACL, Shenzhen) |
| Sample/EUT Status | Good condition |
| Adapter Information | Model: JDA2102850WUS Input: AC 100-240V~50/60Hz 1.25A Output: DC 21.0V, 2.85A |
| Note: The Multiple models are electrically identical with the test model except for the names of distribution chains, packaging information. Please refer to the declaration letter [#] for more detail, which was provided by manufacturer. | |

Objective

This test report is in 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 Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

| Parameter | | Uncertainty |
|------------------------------------|--------------------------------------|---|
| Occupied Channel Bandwidth | | ±5% |
| RF Frequency | | 213.55 Hz(k=2, 95% level of confidence) |
| RF output power, conducted | | 0.72 dB(k=2, 95% level of confidence) |
| Unwanted Emission, conducted | | 1.75 dB(k=2, 95% level of confidence) |
| AC Power Lines Conducted Emissions | 9kHz-150kHz | 3.94dB(k=2, 95% level of confidence) |
| | 150kHz-30MHz | 3.84dB(k=2, 95% level of confidence) |
| Radiated Emissions | 9kHz - 30MHz | 3.30dB(k=2, 95% level of confidence) |
| | 30MHz~200MHz (Horizontal) | 4.48dB(k=2, 95% level of confidence) |
| | 30MHz~200MHz (Vertical) | 4.55dB(k=2, 95% level of confidence) |
| | 200MHz~1000MHz (Horizontal) | 4.85dB(k=2, 95% level of confidence) |
| | 200MHz~1000MHz (Vertical) | 5.05dB(k=2, 95% level of confidence) |
| | 1GHz - 6GHz | 5.35dB(k=2, 95% level of confidence) |
| | 6GHz - 18GHz | 5.44dB(k=2, 95% level of confidence) |
| 18GHz - 40GHz | 5.16dB(k=2, 95% level of confidence) | |
| Temperature | | ±1°C |
| Humidity | | ±1% |
| 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 Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

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

SYSTEM TEST CONFIGURATION

Description of Test Configuration

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

The system support 802.11a/n ht20/n ht40/ac vht20/ac vht40, the 802.11 n ht20/n ht40 were reduced since the identical parameters with 802.11ac vht20 and vht40.

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

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

For 802.11a/ac20 mode: channel 36, 40, 48 were tested;

For 802.11ac40 mode: channel 38, 46 were tested;

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

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

For 802.11a/ac20 mode: channel 149, 157, 165 were tested;

For 802.11ac40 mode: channel 151, 159 were tested;

EUT Exercise Software

“SecureCRT”[#] software was used 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:

| U-NII | Mode | Data rate | Power Level [#] | | |
|----------------|------------|-----------|--------------------------|----------------|--------------|
| | | | Low Channel | Middle Channel | High Channel |
| 5150-5250MHz | 802.11a | 6Mbps | Default | Default | Default |
| | 802.11ac20 | MCS0 | Default | Default | Default |
| | 802.11ac40 | MCS0 | Default | / | Default |
| 5725 – 5850MHz | 802.11a | 6Mbps | 80 | 80 | 80 |
| | 802.11ac20 | MCS0 | 80 | 80 | 80 |
| | 802.11ac40 | MCS0 | 80 | / | 80 |

Duty cycle

Test Result: Compliant. Please refer to the Appendix.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

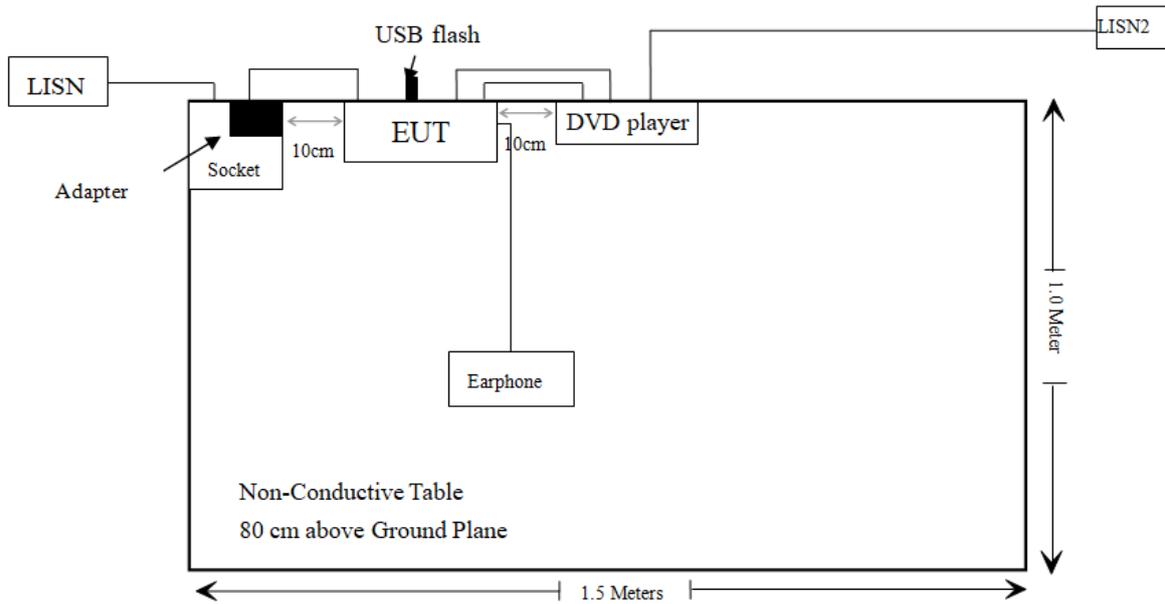
| Manufacturer | Description | Model | Serial Number |
|--------------|----------------|-----------|---------------|
| BULL | Socket | GN-415K | 5503290068073 |
| GIEC | DVD player | BDP-G4350 | 6971469250180 |
| Aigo | USB flash disk | U268 | / |
| / | Earphone | / | / |

External I/O Cable

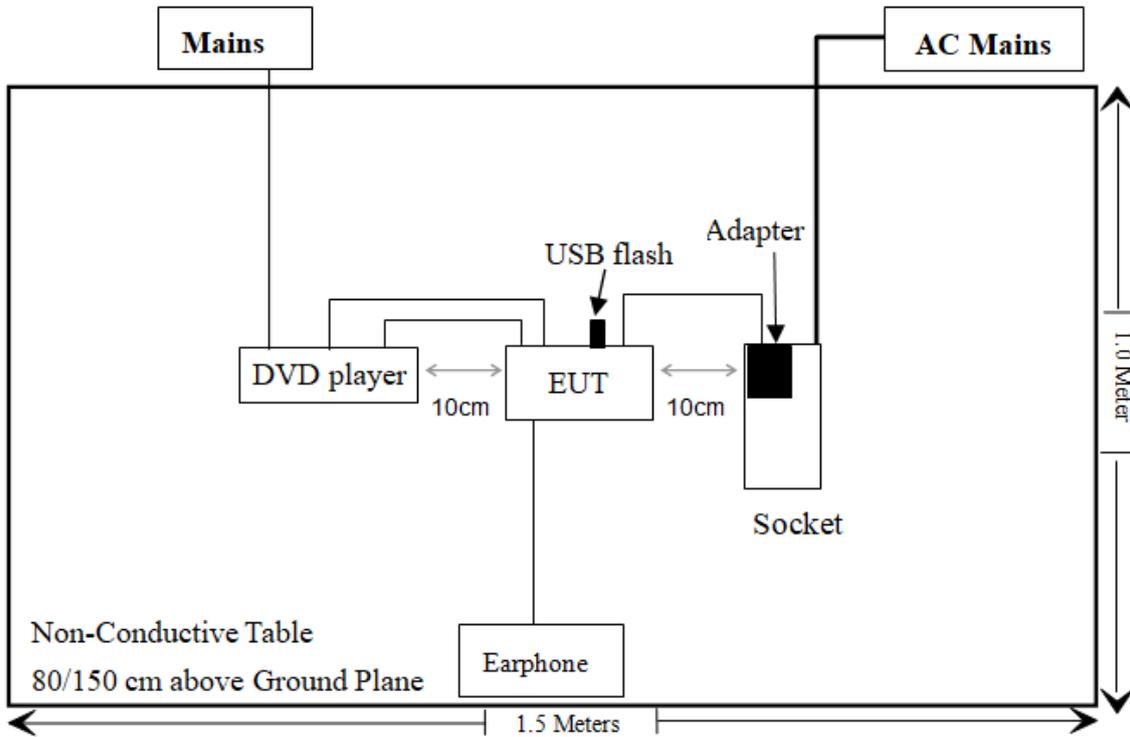
| Cable Description | Length (m) | From Port | To |
|--------------------------------------|------------|------------|-------------|
| Unshielded detachable AC cable | 1.0 | Socket | Mains/ LISN |
| Unshielded detachable DC cable | 1.5 | Adapter | EUT |
| Unshielded detachable earphone cable | 1.0 | EUT | Earphone |
| Shielded detachable HDMI cable | 1.6 | EUT | DVD player |
| Shielded detachable AV cable | 1.5 | EUT | DVD player |
| Unshielded un-detachable AC cable | 1.2 | DVD player | LISN2/Mains |

Block Diagram of Test Setup

For Conducted Emissions:



For Radiated Emissions :



SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test | Result |
|---------------------------------|--|----------------|
| §1.1307 (b) & §2.1091 | Maximum Permissible Exposure (MPE) | 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 dB Emission 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) | Not Applicable |

Not Applicable: The device not operate on the DFS frequency band.

TEST EQUIPMENT LIST

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---------------------------------|-----------------------------------|-------------------------|------------------------|------------------|----------------------|
| Conducted Emissions Test | | | | | |
| Rohde & Schwarz | EMI Test Receiver | ESCI | 101120 | 2024/01/16 | 2025/01/15 |
| Rohde & Schwarz | LISN | ENV216 | 101613 | 2024/01/16 | 2025/01/15 |
| Rohde & Schwarz | Transient Limiter | ESH3Z2 | DE25985 | 2023/08/03 | 2024/08/02 |
| Unknown | CE Cable | CE Cable | UF A210B-1-0720-504504 | 2023/08/03 | 2024/08/02 |
| Audix | EMI Test software | E3 | 191218(V9) | NCR | NCR |
| Radiated Emissions Test | | | | | |
| R&S | EMI Test Receiver | ESR3 | 102455 | 2024/01/16 | 2025/01/15 |
| Sonoma instrument | Pre-amplifier | 310 N | 186238 | 2023/06/08 | 2024/06/07 |
| Sunol Sciences | Broadband Antenna | JB1 | A040904-1 | 2023/07/20 | 2026/07/19 |
| BACL | Active Loop Antenna | 1313-1A | 4031911 | 2024/03/21 | 2025/03/20 |
| Unknown | Cable | Chamber Cable 1 | F-03-EM236 | 2023/08/03 | 2024/08/02 |
| Unknown | Cable | Chamber Cable 4 | EC-007 | 2023/08/03 | 2024/08/02 |
| Audix | EMI Test software | E3 | 19821b(V9) | NCR | NCR |
| Rohde & Schwarz | Spectrum Analyzer | FSV40 | 101605 | 2024/03/27 | 2025/03/26 |
| COM-POWER | Pre-amplifier | PA-122 | 181919 | 2023/06/29 | 2024/06/28 |
| Schwarzbeck | Horn Antenna | BBHA9120D(1201) | 1143 | 2023/07/26 | 2026/07/25 |
| Unknown | RF Cable | KMSE | 0735 | 2023/10/08 | 2024/10/07 |
| Unknown | RF Cable | UFA147 | 219661 | 2023/10/08 | 2024/10/07 |
| JD | Multiplex Switch Test Control Set | DT7220FSU | DQ77926 | NCR | NCR |
| SNSD | 5G Band Reject filter | BSF5150-5850MN-0899-004 | 5G filter | 2023/08/03 | 2024/08/02 |
| Audix | EMI Test software | E3 | 191218(V9) | NCR | NCR |
| A.H.System | Pre-amplifier | PAM-1840VH | 190 | 2023/08/02 | 2024/08/01 |
| Electro-Mechanics Co | Horn Antenna | 3116 | 9510-2270 | 2023/09/18 | 2026/09/17 |
| UTIFLEX | RF Cable | NO. 13 | 232308-001 | 2023/08/03 | 2024/08/02 |

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------------------|------------------------------|----------|---------------|------------------|----------------------|
| RF Conducted Test | | | | | |
| R&S | SPECTRUM ANALYZER | FSV40-N | 102259 | 2024/01/16 | 2025/01/15 |
| Tonscend | RF control Unit | JS0806-2 | 19D8060154 | 2023/09/06 | 2024/09/05 |
| ANRITSU | Microwave peak power sensor | MA24418A | 12622 | 2023/08/08 | 2024/08/07 |
| Rohde & Schwarz | Signal and Spectrum Analyzer | FSV40 | 101473 | 2024/01/16 | 2025/01/15 |
| MARCONI | 10dB Attenuator | 6534/3 | 2942 | 2023/07/04 | 2024/07/03 |
| Narda | 20dB Attenuator | 99899 | 0107 | 2023/07/04 | 2024/07/03 |
| Unknown | RF Cable | 65475 | 01670515 | 2023/07/04 | 2024/07/03 |
| Micro-Tronics | RF Cable | 8082135 | W1113 | 2023/07/04 | 2024/07/03 |

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

FCC §1.1307(B) & 2.1091 - MAXIMUM PERMISSIBLE EXPOSURE (MPE)

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.

Limits for General Population/Uncontrolled Exposure

| Limits for General Population/Uncontrolled Exposure | | | | |
|---|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| Frequency Range (MHz) | Electric Field Strength (V/m) | Magnetic Field Strength (A/m) | Power Density (mW/cm ²) | Averaging Time (Minutes) |
| 0.3-1.34 | 614 | 1.63 | *(100) | 30 |
| 1.34-30 | 824/f | 2.19/f | *(180/f ²) | 30 |
| 30-300 | 27.5 | 0.073 | 0.2 | 30 |
| 300-1500 | / | / | f/1500 | 30 |
| 1500-100,000 | / | / | 1.0 | 30 |

f = frequency in MHz

* = Plane-wave equivalent power density

Result

Calculated Formulary:

Predication of MPE limit at a given distance

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. mW/cm²)

P = power input to the antenna (in appropriate units, e.g., mW).

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain.

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

Result

| Mode | Frequency (MHz) | Antenna Gain [#] | | Tune up conducted power [#] | | Evaluation Distance (cm) | Power Density (mW/cm ²) | MPE Limit (mW/cm ²) |
|------------|-----------------|---------------------------|-----------|--------------------------------------|--------|--------------------------|-------------------------------------|---------------------------------|
| | | (dBi) | (numeric) | (dBm) | (mW) | | | |
| BT | 2402-2480 | -0.69 | 0.85 | 2.0 | 1.58 | 20 | 0.0003 | 1 |
| BLE | 2402-2480 | -0.69 | 0.85 | 1.0 | 1.26 | 20 | 0.0002 | 1 |
| 2.4G Wi-Fi | 2412-2462 | 4.41 | 2.76 | 26.5 | 446.68 | 20 | 0.245 | 1 |
| 5.2G Wi-Fi | 5180-5240 | 2.95 | 1.97 | 14.5 | 28.18 | 20 | 0.011 | 1 |
| 5.8G Wi-Fi | 5745-5825 | 2.95 | 1.97 | 17.0 | 50.12 | 20 | 0.020 | 1 |

Note: The tune-up power and antenna gain was declared by the applicant.

Simultaneous transmitting consideration (worst case):

The ratio= $MPE_{Wi-Fi}/limit_{Wi-Fi} + MPE_{BT}/limit_{BT} = 0.0003/1 + 0.245/1 = 0.25 < 1.0$

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.
- c. 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 has one internal antennas which was permanently attached, and the maximum antenna gain[#] is 2.95dBi, fulfill the requirement of this section. Please refer to the EUT photos.

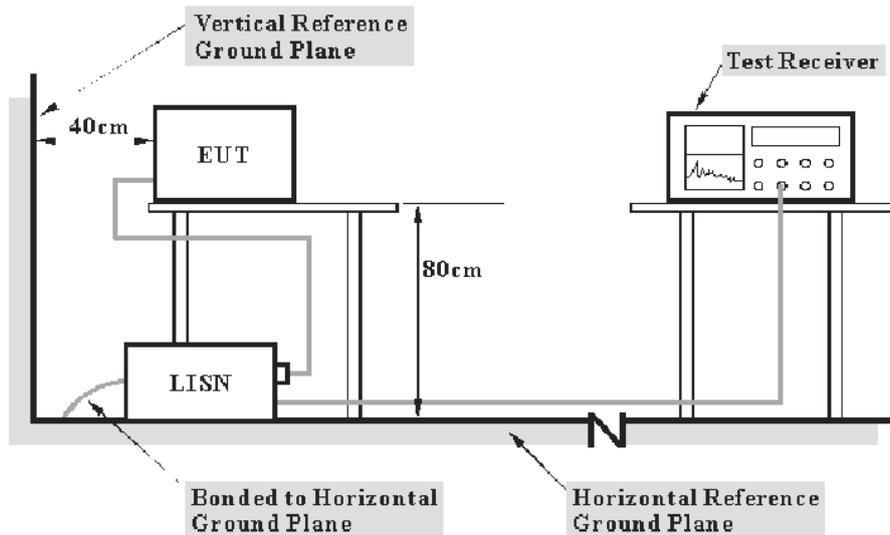
Result: Compliant

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 15.207 limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

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

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

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

Factor & Over Limit Calculation

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

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

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

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

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

Test Data

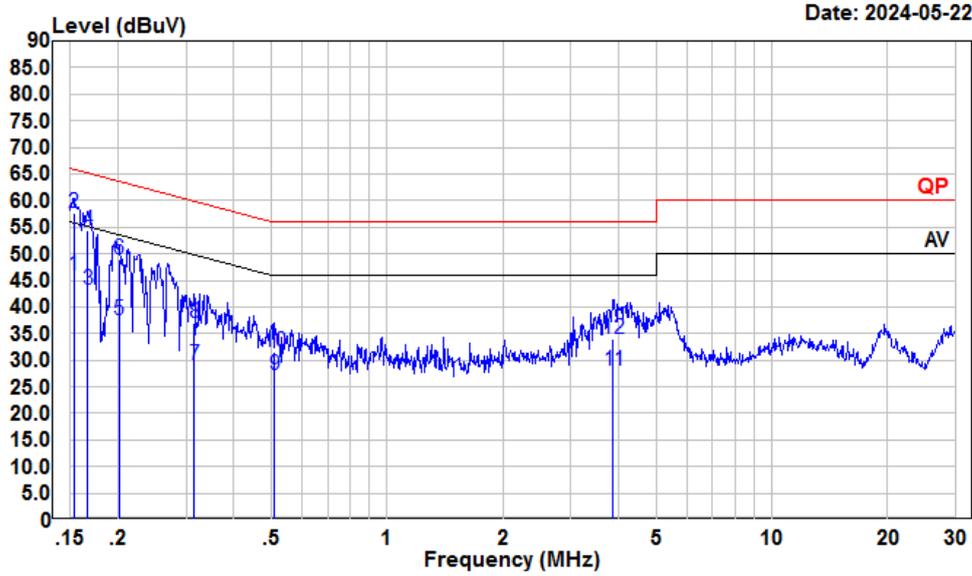
Environmental Conditions

| | |
|---------------------------|-----------|
| Temperature: | 25 °C |
| Relative Humidity: | 70 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Macy Shi on 2024-05-22.

EUT operation mode: Transmitting (maximum output power mode 802.11a 5785MHz)

AC 120V/60 Hz, Line



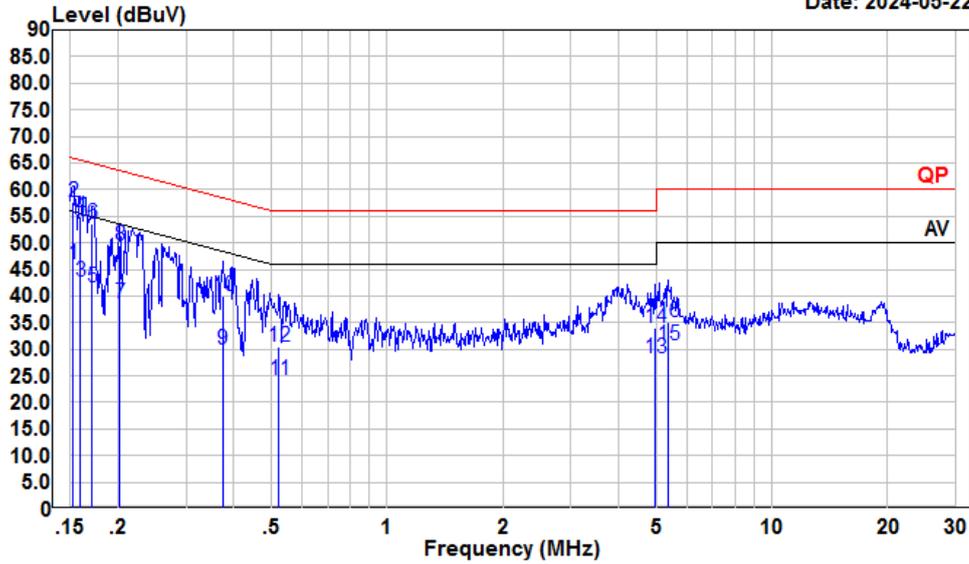
Date: 2024-05-22

Condition: Line
 Project : SZ4240130-07021E-RF
 tester : Macy.shi
 Note : 5G WIFI

| | Read Freq | Read Level | LISN Level | LISN Factor | Cable Loss | Limit Line | Over Limit | Remark |
|----|-----------|------------|------------|-------------|------------|------------|------------|---------|
| | MHz | dBuV | dBuV | dB | dB | dBuV | dB | |
| 1 | 0.15 | 24.83 | 45.87 | 10.89 | 10.15 | 55.82 | -9.95 | Average |
| 2 | 0.15 | 36.65 | 57.69 | 10.89 | 10.15 | 65.82 | -8.13 | QP |
| 3 | 0.17 | 22.10 | 43.11 | 10.86 | 10.15 | 55.12 | -12.01 | Average |
| 4 | 0.17 | 33.50 | 54.51 | 10.86 | 10.15 | 65.12 | -10.61 | QP |
| 5 | 0.20 | 16.64 | 37.53 | 10.80 | 10.09 | 53.58 | -16.05 | Average |
| 6 | 0.20 | 28.04 | 48.93 | 10.80 | 10.09 | 63.58 | -14.65 | QP |
| 7 | 0.31 | 8.32 | 29.10 | 10.65 | 10.13 | 49.84 | -20.74 | Average |
| 8 | 0.31 | 16.33 | 37.11 | 10.65 | 10.13 | 59.84 | -22.73 | QP |
| 9 | 0.51 | 6.58 | 27.24 | 10.50 | 10.16 | 46.00 | -18.76 | Average |
| 10 | 0.51 | 10.95 | 31.61 | 10.50 | 10.16 | 56.00 | -24.39 | QP |
| 11 | 3.86 | 7.40 | 27.98 | 10.32 | 10.26 | 46.00 | -18.02 | Average |
| 12 | 3.86 | 13.30 | 33.88 | 10.32 | 10.26 | 56.00 | -22.12 | QP |

AC 120V/60 Hz, Neutral

Date: 2024-05-22



Condition: Neutral
 Project : SZ4240130-07021E-RF
 tester : Macy.shi
 Note : 5G WIFI

| | Read Freq | Read Level | LISN Level | LISN Factor | Cable Loss | Limit Line | Over Limit | Remark |
|----|-----------|------------|------------|-------------|------------|------------|------------|---------|
| | MHz | dBuV | dBuV | dB | dB | dBuV | dB | |
| 1 | 0.15 | 25.15 | 45.89 | 10.59 | 10.15 | 55.87 | -9.98 | Average |
| 2 | 0.15 | 36.95 | 57.69 | 10.59 | 10.15 | 65.87 | -8.18 | QP |
| 3 | 0.16 | 21.90 | 42.61 | 10.56 | 10.15 | 55.47 | -12.86 | Average |
| 4 | 0.16 | 34.10 | 54.81 | 10.56 | 10.15 | 65.47 | -10.66 | QP |
| 5 | 0.17 | 20.90 | 41.56 | 10.51 | 10.15 | 54.90 | -13.34 | Average |
| 6 | 0.17 | 33.00 | 53.66 | 10.51 | 10.15 | 64.90 | -11.24 | QP |
| 7 | 0.20 | 18.02 | 38.51 | 10.40 | 10.09 | 53.54 | -15.03 | Average |
| 8 | 0.20 | 29.12 | 49.61 | 10.40 | 10.09 | 63.54 | -13.93 | QP |
| 9 | 0.37 | 9.04 | 29.83 | 10.60 | 10.19 | 48.43 | -18.60 | Average |
| 10 | 0.37 | 19.14 | 39.93 | 10.60 | 10.19 | 58.43 | -18.50 | QP |
| 11 | 0.52 | 3.28 | 24.15 | 10.70 | 10.17 | 46.00 | -21.85 | Average |
| 12 | 0.52 | 9.60 | 30.47 | 10.70 | 10.17 | 56.00 | -25.53 | QP |
| 13 | 4.95 | 7.64 | 28.37 | 10.51 | 10.22 | 46.00 | -17.63 | Average |
| 14 | 4.95 | 13.19 | 33.92 | 10.51 | 10.22 | 56.00 | -22.08 | QP |
| 15 | 5.36 | 9.93 | 30.71 | 10.56 | 10.22 | 50.00 | -19.29 | Average |
| 16 | 5.36 | 14.36 | 35.14 | 10.56 | 10.22 | 60.00 | -24.86 | QP |

§15.205 & §15.209 & §15.407(B) - UNDESIRABLE EMISSION

Applicable Standard

FCC §15.407 (b); §15.209; §15.205;

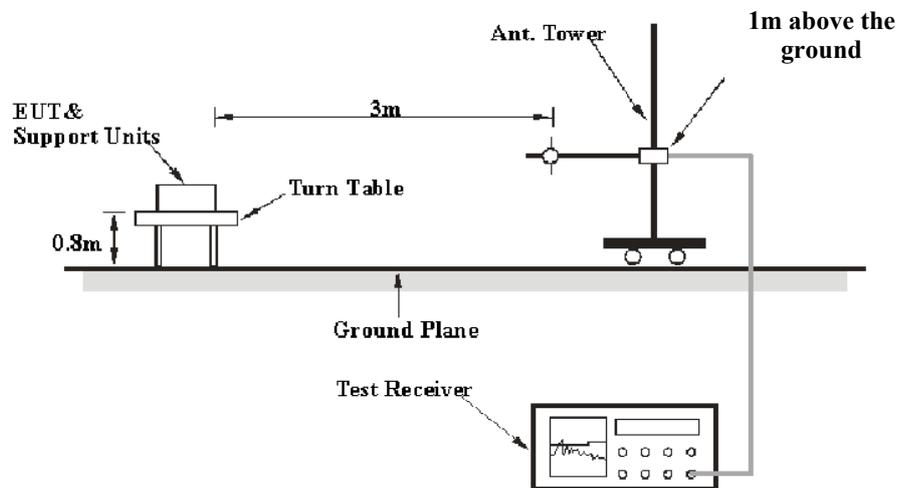
(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (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.

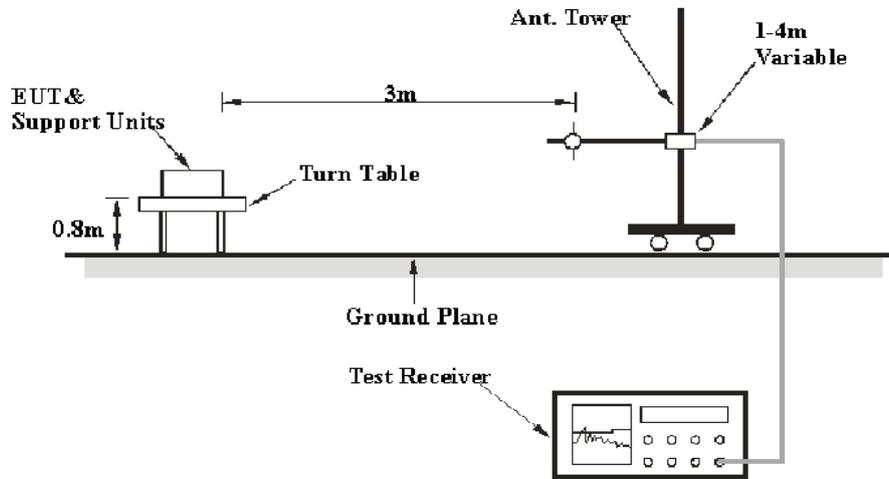
Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

EUT Setup

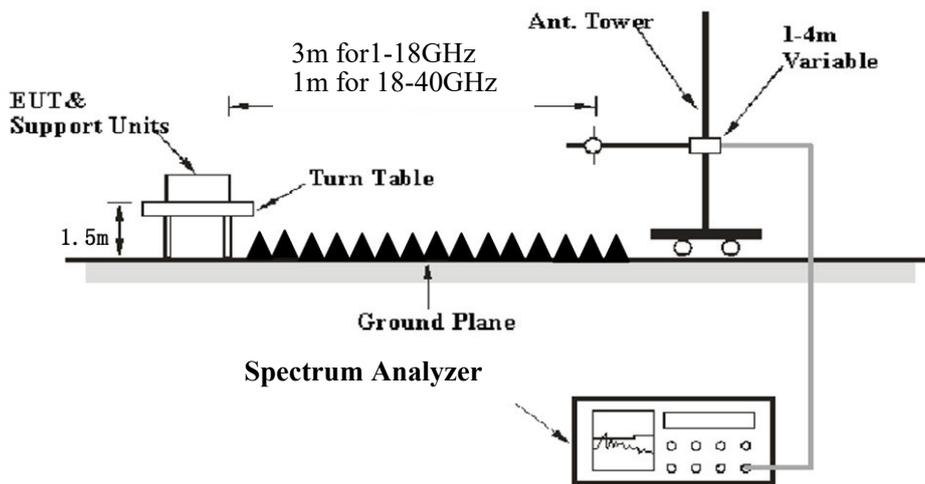
9 kHz-30MHz:



30MHz-1GHz:



Above 1 GHz:



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

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

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz.

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

9 kHz-1GHz:

| Frequency Range | RBW | Video B/W | IF B/W | Measurement |
|-------------------|---------|-----------|---------|-------------|
| 9 kHz – 150 kHz | / | / | 200 Hz | QP |
| | 300 Hz | 1 kHz | / | PK |
| 150 kHz – 30 MHz | / | / | 9 kHz | QP |
| | 10 kHz | 30 kHz | / | PK |
| 30 MHz – 1000 MHz | / | / | 120 kHz | QP |
| | 100 kHz | 300 kHz | / | PK |

1-40GHz:

| Measurement | Duty cycle | RBW | Video B/W |
|-------------|------------|------|-----------|
| PK | Any | 1MHz | 3 MHz |
| AV | >98% | 1MHz | 10 Hz |
| | <98% | 1MHz | ≥1/Ton |

Note: Ton is minimum transmission duration

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

Test Procedure

Radiated Spurious Emission

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

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

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

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

All emissions under the average limit and under the noise floor have not recorded in the report.

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;

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

where

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

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

Factor & Over Limit/Margin Calculation

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

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

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

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

Test Data

Environmental Conditions

| | |
|---------------------------|------------|
| Temperature: | 22~25.3 °C |
| Relative Humidity: | 50~54 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Anson Su on 2024-05-26 for below 1GHz and Zenos Qiao on 2024-05-17 for above 1GHz.

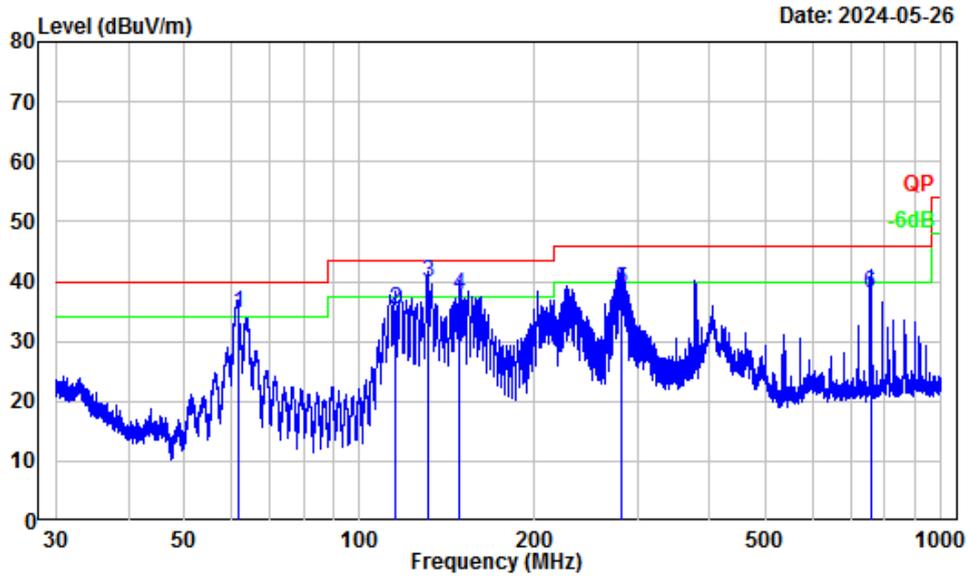
EUT operation mode: Transmitting

9 kHz-30MHz: *(maximum output power mode 802.11a 5785MHz)*

The amplitude of spurious emissions attenuated more than 20 dB below the limit was not recorded.

30 MHz–1 GHz: (maximum output power mode 802.11a 5785MHz)

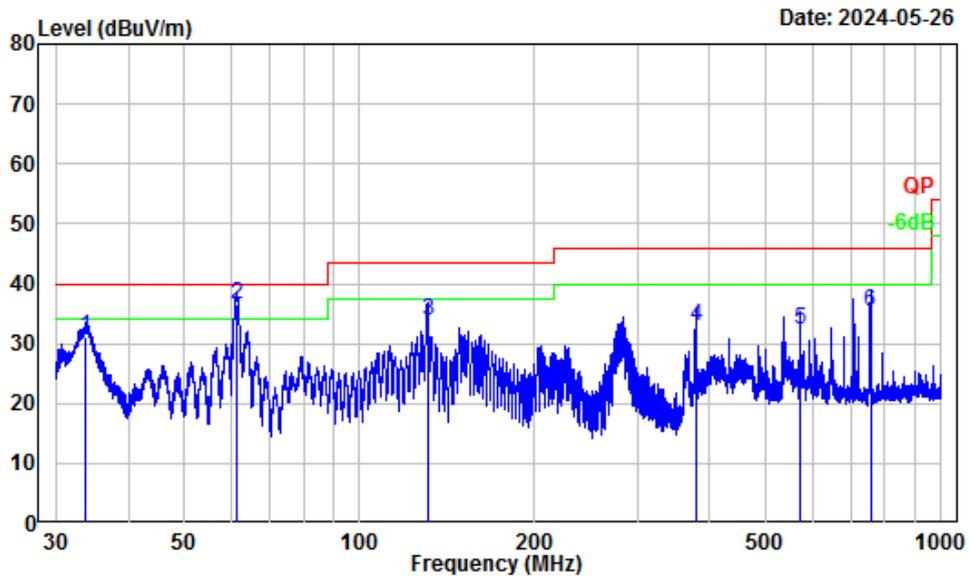
Horizontal



Site : Chamber A
 Condition : 3m Horizontal
 Project Number: SZ4240130-07021E-RF
 Test Mode : 5G WIFI
 Tester : Anson Su

| | Freq | Factor | Read Level | Level | Limit | Over | Remark |
|---|--------|--------|------------|--------|--------|-------|--------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 61.72 | -17.73 | 52.41 | 34.68 | 40.00 | -5.32 | QP |
| 2 | 114.92 | -12.73 | 47.90 | 35.17 | 43.50 | -8.33 | QP |
| 3 | 130.89 | -12.11 | 52.10 | 39.99 | 43.50 | -3.51 | QP |
| 4 | 148.31 | -13.42 | 51.10 | 37.68 | 43.50 | -5.82 | QP |
| 5 | 281.62 | -13.42 | 52.20 | 38.78 | 46.00 | -7.22 | QP |
| 6 | 755.72 | -5.52 | 43.61 | 38.09 | 46.00 | -7.91 | QP |

Vertical



Site : Chamber A
 Condition : 3m Vertical
 Project Number: SZ4240130-07021E-RF
 Test Mode : 5G WIFI
 Tester : Anson Su

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|--------|--------|------------|--------|------------|------------|--------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 33.81 | -9.04 | 40.00 | 30.96 | 40.00 | -9.04 | QP |
| 2 | 61.37 | -18.83 | 55.30 | 36.47 | 40.00 | -3.53 | QP |
| 3 | 130.78 | -12.61 | 46.33 | 33.72 | 43.50 | -9.78 | QP |
| 4 | 378.09 | -11.45 | 44.37 | 32.92 | 46.00 | -13.08 | QP |
| 5 | 571.36 | -8.25 | 40.62 | 32.37 | 46.00 | -13.63 | QP |
| 6 | 755.72 | -5.97 | 41.41 | 35.44 | 46.00 | -10.56 | QP |

Above 1GHz:

5150-5250 MHz:

| Frequency (MHz) | Receiver | | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|----------------|-------|-------------|---------------|------------------------------|----------------|-------------|
| | Reading (dBµV) | PK/AV | | | | | |
| 802.11a | | | | | | | |
| 5180MHz | | | | | | | |
| 5148.98 | 55.82 | PK | H | 2.71 | 58.53 | 74 | -15.47 |
| 5148.98 | 41.63 | AV | H | 2.71 | 44.34 | 54 | -9.66 |
| 5149.53 | 56.06 | PK | V | 2.71 | 58.77 | 74 | -15.23 |
| 5149.53 | 41.78 | AV | V | 2.71 | 44.49 | 54 | -9.51 |
| 10360.00 | 45.25 | PK | H | 13.07 | 58.32 | 68.2 | -9.88 |
| 10360.00 | 45.58 | PK | V | 13.07 | 58.65 | 68.2 | -9.55 |
| 5200MHz | | | | | | | |
| 10400.00 | 45.56 | PK | H | 13.12 | 58.68 | 68.2 | -9.52 |
| 10400.00 | 45.84 | PK | V | 13.12 | 58.96 | 68.2 | -9.24 |
| 5240MHz | | | | | | | |
| 5356.18 | 55.13 | PK | H | 3.07 | 58.20 | 74 | -15.80 |
| 5356.18 | 41.25 | AV | H | 3.07 | 44.32 | 54 | -9.68 |
| 5354.37 | 55.42 | PK | V | 3.07 | 58.49 | 74 | -15.51 |
| 5354.37 | 41.38 | AV | V | 3.07 | 44.45 | 54 | -9.55 |
| 10480.00 | 45.89 | PK | H | 13.07 | 58.96 | 68.2 | -9.24 |
| 10480.00 | 46.17 | PK | V | 13.07 | 59.24 | 68.2 | -8.96 |
| 802.11ac20 | | | | | | | |
| 5180MHz | | | | | | | |
| 5149.27 | 55.55 | PK | H | 2.71 | 58.26 | 74 | -15.74 |
| 5149.27 | 41.78 | AV | H | 2.71 | 44.49 | 54 | -9.51 |
| 5148.86 | 55.34 | PK | V | 2.71 | 58.05 | 74 | -15.95 |
| 5148.86 | 41.67 | AV | V | 2.71 | 44.38 | 54 | -9.62 |
| 10360.00 | 45.03 | PK | H | 13.07 | 58.10 | 68.2 | -10.10 |
| 10360.00 | 45.27 | PK | V | 13.07 | 58.34 | 68.2 | -9.86 |
| 5200MHz | | | | | | | |
| 10400.00 | 45.36 | PK | H | 13.12 | 58.48 | 68.2 | -9.72 |
| 10400.00 | 45.64 | PK | V | 13.12 | 58.76 | 68.2 | -9.44 |
| 5240MHz | | | | | | | |
| 5352.63 | 55.18 | PK | H | 3.07 | 58.25 | 74 | -15.75 |
| 5352.63 | 41.27 | AV | H | 3.07 | 44.34 | 54 | -9.66 |
| 5353.25 | 55.36 | PK | V | 3.07 | 58.43 | 74 | -15.57 |
| 5353.25 | 41.43 | AV | V | 3.07 | 44.50 | 54 | -9.50 |
| 10480.00 | 45.69 | PK | H | 13.07 | 58.76 | 68.2 | -9.44 |
| 10480.00 | 45.95 | PK | V | 13.07 | 59.02 | 68.2 | -9.18 |

| Frequency (MHz) | Receiver | | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|-------------------|----------------|-------|-------------|---------------|------------------------------|----------------|-------------|
| | Reading (dBμV) | PK/AV | | | | | |
| 802.11ac40 | | | | | | | |
| 5190MHz | | | | | | | |
| 5148.59 | 67.06 | PK | H | 2.71 | 69.77 | 74 | -4.23 |
| 5148.59 | 48.28 | AV | H | 2.71 | 50.99 | 54 | -3.01 |
| 5147.65 | 66.37 | PK | V | 2.71 | 69.08 | 74 | -4.92 |
| 5147.65 | 47.85 | AV | V | 2.71 | 50.56 | 54 | -3.44 |
| 10380.00 | 44.96 | PK | H | 13.09 | 58.05 | 68.2 | -10.15 |
| 10380.00 | 45.19 | PK | V | 13.09 | 58.28 | 68.2 | -9.92 |
| 5230MHz | | | | | | | |
| 5353.91 | 55.23 | PK | H | 3.07 | 58.30 | 74 | -15.70 |
| 5353.91 | 41.40 | AV | H | 3.07 | 44.47 | 54 | -9.53 |
| 5351.38 | 55.39 | PK | V | 3.07 | 58.46 | 74 | -15.54 |
| 5351.38 | 41.56 | AV | V | 3.07 | 44.63 | 54 | -9.37 |
| 10460.00 | 45.31 | PK | H | 13.09 | 58.40 | 68.2 | -9.80 |
| 10460.00 | 45.54 | PK | V | 13.09 | 58.63 | 68.2 | -9.57 |

5725-5850 MHz:

| Frequency (MHz) | Receiver | | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|----------------|-------|-------------|---------------|------------------------------|----------------|-------------|
| | Reading (dBμV) | PK/AV | | | | | |
| 802.11a | | | | | | | |
| 5745MHz | | | | | | | |
| 5635.06 | 55.49 | PK | H | 3.59 | 59.08 | 68.20 | -9.12 |
| 5670.37 | 55.84 | PK | H | 3.69 | 59.53 | 105.20 | -45.67 |
| 5719.90 | 64.91 | PK | H | 4.09 | 69.00 | 110.80 | -41.80 |
| 5723.54 | 69.62 | PK | H | 4.09 | 73.71 | 122.20 | -48.49 |
| 5648.94 | 55.75 | PK | V | 3.59 | 59.34 | 68.20 | -8.86 |
| 5695.22 | 56.38 | PK | V | 3.69 | 60.07 | 105.20 | -45.13 |
| 5719.83 | 65.26 | PK | V | 4.09 | 69.35 | 110.80 | -41.45 |
| 5724.45 | 71.17 | PK | V | 4.09 | 75.26 | 122.20 | -46.94 |
| 11490.00 | 45.55 | PK | H | 14.31 | 59.86 | 74 | -14.14 |
| 11490.00 | 32.89 | AV | H | 14.31 | 47.20 | 54 | -6.80 |
| 11490.00 | 46.02 | PK | V | 14.31 | 60.33 | 74 | -13.67 |
| 11490.00 | 33.27 | AV | V | 14.31 | 47.58 | 54 | -6.42 |
| 5785MHz | | | | | | | |
| 11570.00 | 47.24 | PK | H | 14.05 | 61.29 | 74 | -12.71 |
| 11570.00 | 34.17 | AV | H | 14.05 | 48.22 | 54 | -5.78 |
| 11570.00 | 47.95 | PK | V | 14.05 | 62.00 | 74 | -12.00 |
| 11570.00 | 34.73 | AV | V | 14.05 | 48.78 | 54 | -5.22 |
| 5825MHz | | | | | | | |
| 5851.61 | 71.94 | PK | H | 4.09 | 76.03 | 122.20 | -46.17 |
| 5855.42 | 68.52 | PK | H | 4.09 | 72.61 | 110.80 | -38.19 |
| 5876.35 | 58.15 | PK | H | 4.19 | 62.34 | 105.20 | -42.86 |
| 5926.73 | 55.36 | PK | H | 4.69 | 60.05 | 68.20 | -8.15 |
| 5852.07 | 72.25 | PK | V | 4.09 | 76.34 | 122.20 | -45.86 |
| 5856.52 | 69.11 | PK | V | 4.09 | 73.20 | 110.80 | -37.60 |
| 5878.80 | 58.69 | PK | V | 4.19 | 62.88 | 105.20 | -42.32 |
| 5927.64 | 55.58 | PK | V | 4.69 | 60.27 | 68.20 | -7.93 |
| 11650.00 | 48.96 | PK | H | 13.83 | 62.79 | 74 | -11.21 |
| 11650.00 | 35.04 | AV | H | 13.83 | 48.87 | 54 | -5.13 |
| 11650.00 | 49.68 | PK | V | 13.83 | 63.51 | 74 | -10.49 |
| 11650.00 | 35.53 | AV | V | 13.83 | 49.36 | 54 | -4.64 |

| Frequency (MHz) | Receiver | | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|-------------------|----------------|-------|-------------|---------------|------------------------------|----------------|-------------|
| | Reading (dBµV) | PK/AV | | | | | |
| 802.11ac20 | | | | | | | |
| 5745MHz | | | | | | | |
| 5647.37 | 55.62 | PK | H | 3.59 | 59.21 | 68.20 | -8.99 |
| 5686.54 | 56.05 | PK | H | 3.69 | 59.74 | 105.20 | -45.46 |
| 5719.98 | 65.41 | PK | H | 4.09 | 69.50 | 110.80 | -41.30 |
| 5724.02 | 70.28 | PK | H | 4.09 | 74.37 | 122.20 | -47.83 |
| 5639.69 | 55.86 | PK | V | 3.59 | 59.45 | 68.20 | -8.75 |
| 5665.30 | 56.69 | PK | V | 3.69 | 60.38 | 105.20 | -44.82 |
| 5719.87 | 66.08 | PK | V | 4.09 | 70.17 | 110.80 | -40.63 |
| 5724.78 | 71.53 | PK | V | 4.09 | 75.62 | 122.20 | -46.58 |
| 11490.00 | 45.73 | PK | H | 14.31 | 60.04 | 74 | -13.96 |
| 11490.00 | 33.04 | AV | H | 14.31 | 47.35 | 54 | -6.65 |
| 11490.00 | 46.25 | PK | V | 14.31 | 60.56 | 74 | -13.44 |
| 11490.00 | 33.56 | AV | V | 14.31 | 47.87 | 54 | -6.13 |
| 5785MHz | | | | | | | |
| 11570.00 | 47.32 | PK | H | 14.05 | 61.37 | 74 | -12.63 |
| 11570.00 | 34.28 | AV | H | 14.05 | 48.33 | 54 | -5.67 |
| 11570.00 | 48.07 | PK | V | 14.05 | 62.12 | 74 | -11.88 |
| 11570.00 | 34.85 | AV | V | 14.05 | 48.90 | 54 | -5.10 |
| 5825MHz | | | | | | | |
| 5850.82 | 73.48 | PK | H | 4.09 | 77.57 | 122.20 | -44.63 |
| 5855.45 | 68.72 | PK | H | 4.09 | 72.81 | 110.80 | -37.99 |
| 5875.69 | 58.63 | PK | H | 4.19 | 62.82 | 105.20 | -42.38 |
| 5926.01 | 55.59 | PK | H | 4.69 | 60.28 | 68.20 | -7.92 |
| 5850.35 | 73.95 | PK | V | 4.09 | 78.04 | 122.20 | -44.16 |
| 5855.04 | 69.76 | PK | V | 4.09 | 73.85 | 110.80 | -36.95 |
| 5875.12 | 59.24 | PK | V | 4.19 | 63.43 | 105.20 | -41.77 |
| 5925.78 | 55.79 | PK | V | 4.69 | 60.48 | 68.20 | -7.72 |
| 11650.00 | 48.87 | PK | H | 13.83 | 62.70 | 74 | -11.30 |
| 11650.00 | 35.19 | AV | H | 13.83 | 49.02 | 54 | -4.98 |
| 11650.00 | 49.42 | PK | V | 13.83 | 63.25 | 74 | -10.75 |
| 11650.00 | 35.78 | AV | V | 13.83 | 49.61 | 54 | -4.39 |

| Frequency (MHz) | Receiver | | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|-------------------|----------------|-------|-------------|---------------|------------------------------|----------------|-------------|
| | Reading (dBµV) | PK/AV | | | | | |
| 802.11ac40 | | | | | | | |
| 5755MHz | | | | | | | |
| 5645.54 | 55.73 | PK | H | 3.59 | 59.32 | 68.20 | -8.88 |
| 5699.15 | 65.77 | PK | H | 3.79 | 69.56 | 105.20 | -35.64 |
| 5718.37 | 77.63 | PK | H | 4.09 | 81.72 | 110.80 | -29.08 |
| 5724.86 | 79.54 | PK | H | 4.09 | 83.63 | 122.20 | -38.57 |
| 5643.60 | 56.01 | PK | V | 3.59 | 59.60 | 68.20 | -8.60 |
| 5696.42 | 65.59 | PK | V | 3.79 | 69.38 | 105.20 | -35.82 |
| 5717.91 | 77.16 | PK | V | 4.09 | 81.25 | 110.80 | -29.55 |
| 5723.05 | 80.25 | PK | V | 4.09 | 84.34 | 122.20 | -37.86 |
| 11510.00 | 45.14 | PK | H | 14.29 | 59.43 | 74 | -14.57 |
| 11510.00 | 32.43 | AV | H | 14.29 | 46.72 | 54 | -7.28 |
| 11510.00 | 45.57 | PK | V | 14.29 | 59.86 | 74 | -14.14 |
| 11510.00 | 32.88 | AV | V | 14.29 | 47.17 | 54 | -6.83 |
| 5795MHz | | | | | | | |
| 5850.14 | 71.64 | PK | H | 4.09 | 75.73 | 122.20 | -46.47 |
| 5855.38 | 68.91 | PK | H | 4.09 | 73.00 | 110.80 | -37.80 |
| 5888.23 | 64.07 | PK | H | 4.19 | 68.26 | 105.20 | -36.94 |
| 5925.19 | 57.81 | PK | H | 4.69 | 62.50 | 68.20 | -5.70 |
| 5850.02 | 72.57 | PK | V | 4.09 | 76.66 | 122.20 | -45.54 |
| 5855.15 | 69.64 | PK | V | 4.09 | 73.73 | 110.80 | -37.07 |
| 5887.84 | 64.75 | PK | V | 4.19 | 68.94 | 105.20 | -36.26 |
| 5925.76 | 58.13 | PK | V | 4.69 | 62.82 | 68.20 | -5.38 |
| 11590.00 | 47.12 | PK | H | 13.97 | 61.09 | 74 | -12.91 |
| 11590.00 | 34.26 | AV | H | 13.97 | 48.23 | 54 | -5.77 |
| 11590.00 | 47.53 | PK | V | 13.97 | 61.50 | 74 | -12.50 |
| 11590.00 | 34.68 | AV | V | 13.97 | 48.65 | 54 | -5.35 |

Note:

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

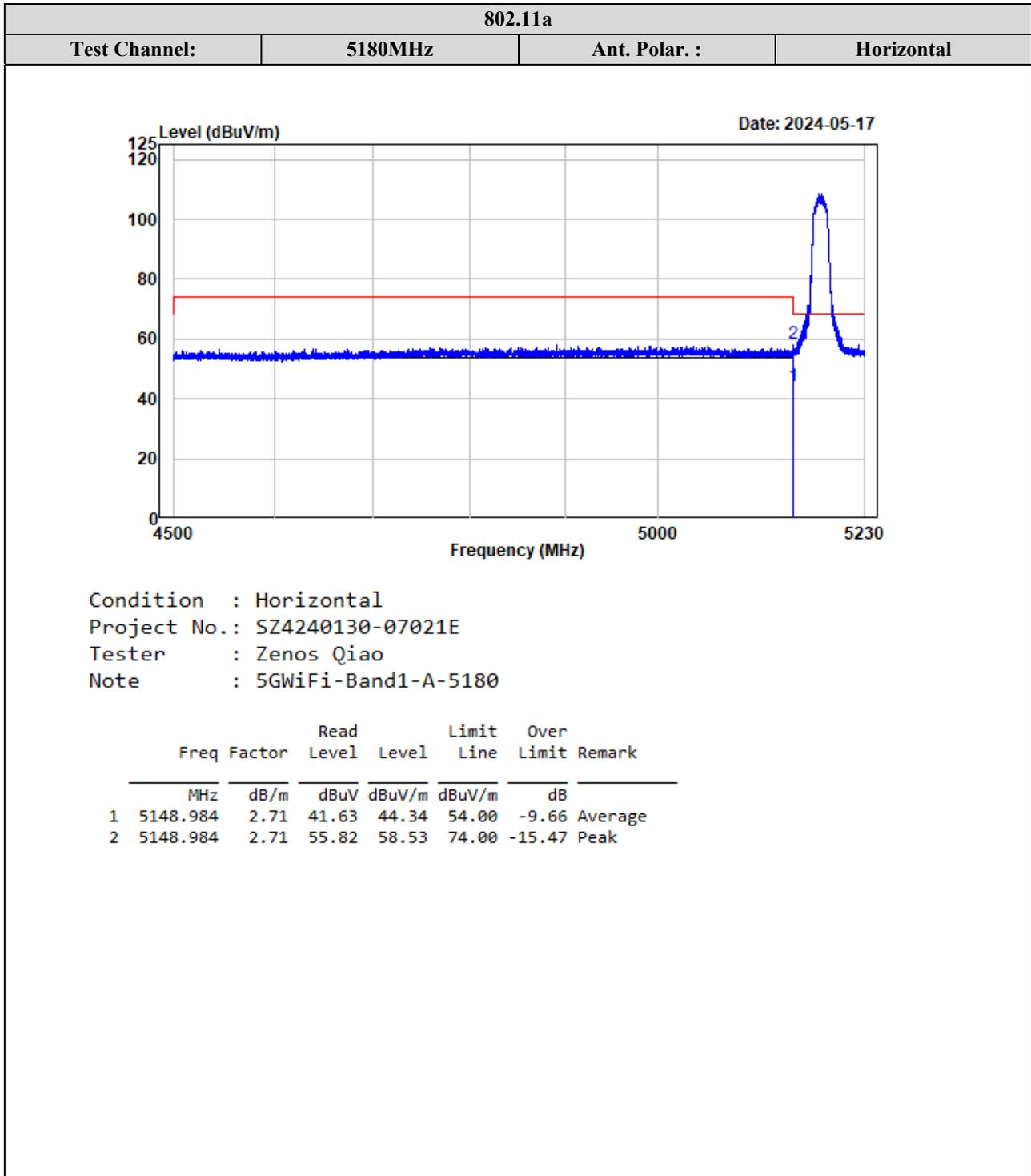
Corrected Amplitude = Factor + Reading

Margin = Corrected. Amplitude - Limit

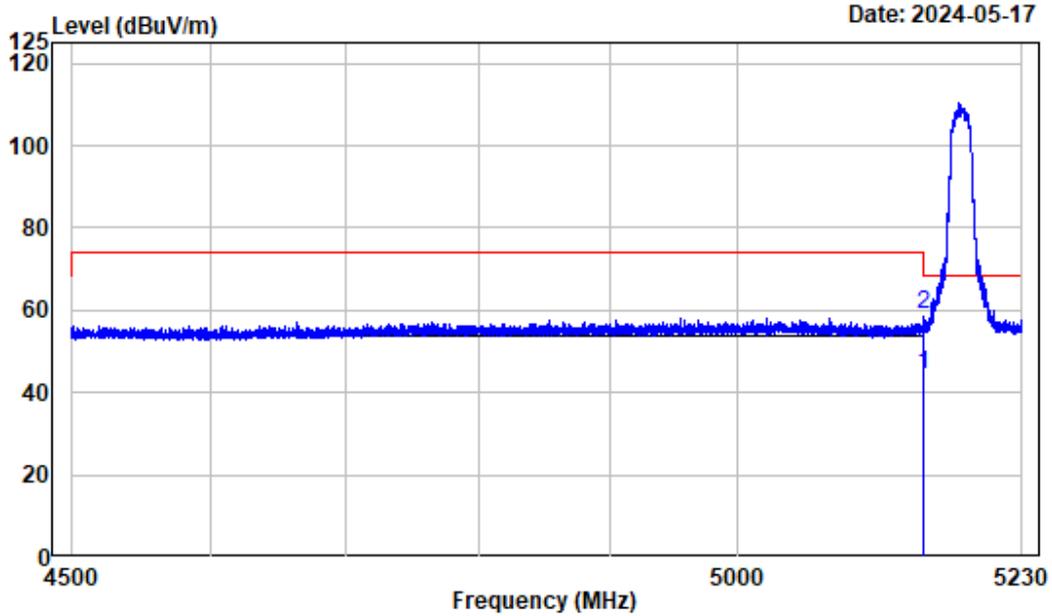
The other spurious emission which is in the noise floor level was not recorded.

Test plots for Band Edge Measurements (Radiated)

5150-5250MHz:



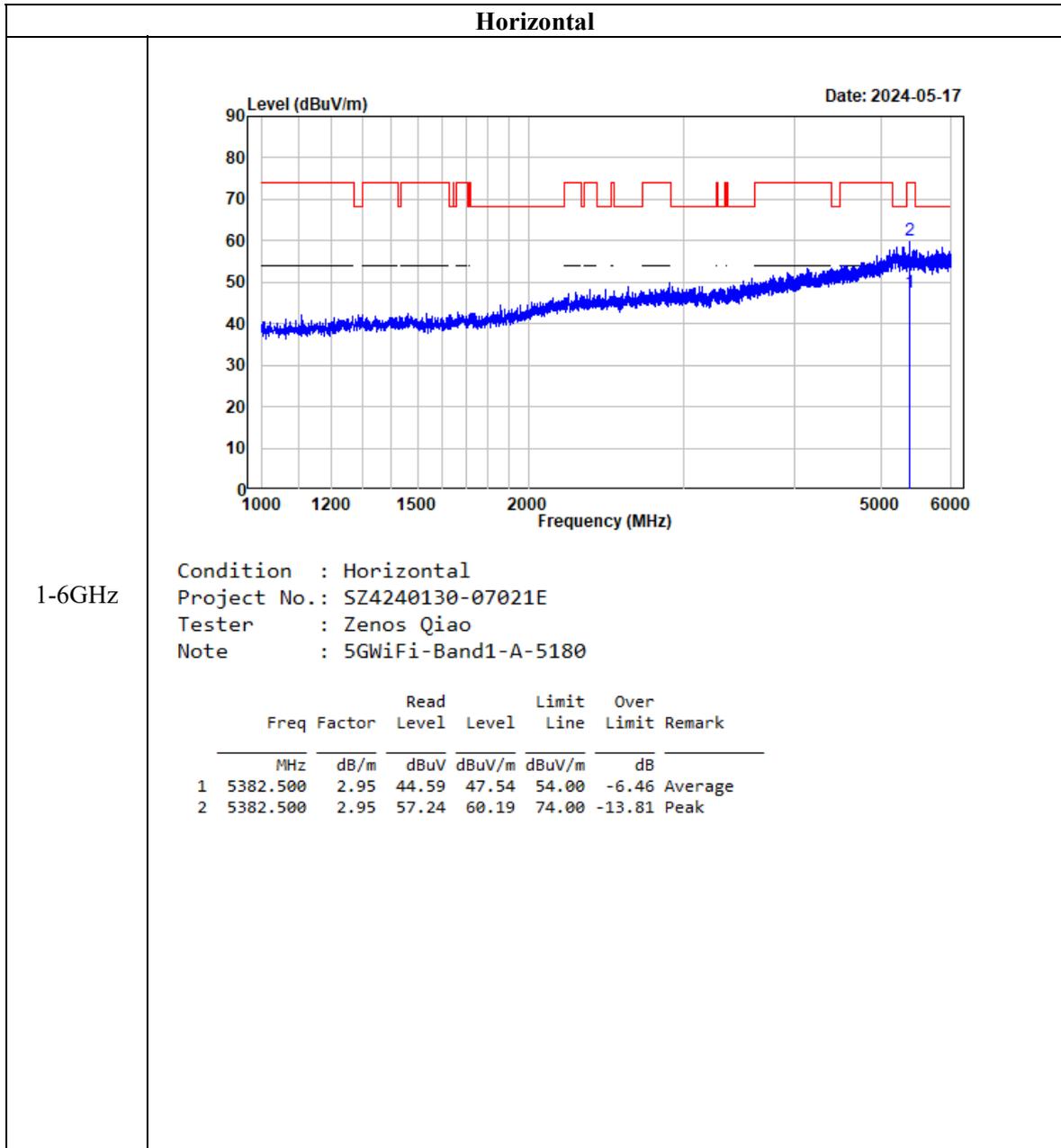
| 802.11a | | | |
|---------------|---------|---------------|----------|
| Test Channel: | 5180MHz | Ant. Polar. : | Vertical |



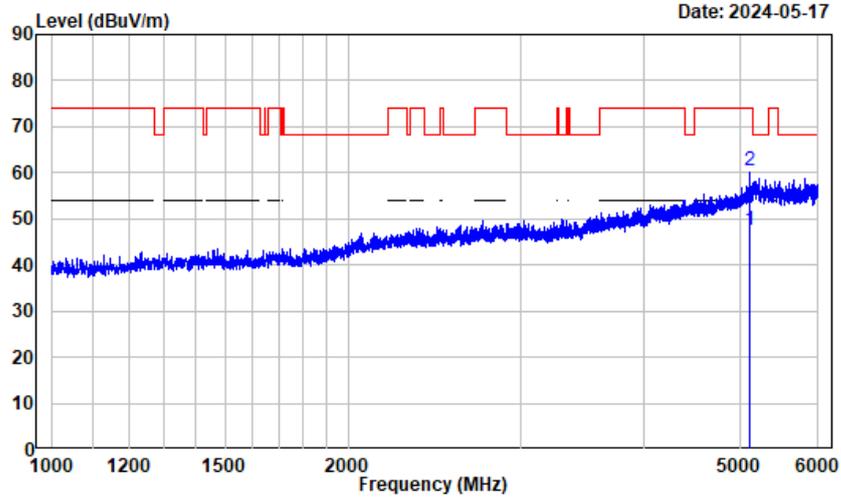
Condition : Vertical
 Project No.: SZ4240130-07021E
 Tester : Zenos Qiao
 Note : 5GWiFi-Band1-A-5180

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|----------|--------|------------|--------|------------|------------|---------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5149.532 | 2.71 | 41.78 | 44.49 | 54.00 | -9.51 | Average |
| 2 | 5149.532 | 2.71 | 56.06 | 58.77 | 74.00 | -15.23 | Peak |

Listed with the worst harmonic margin test plot (802.11a, ANT1, 5180MHz)



Vertical

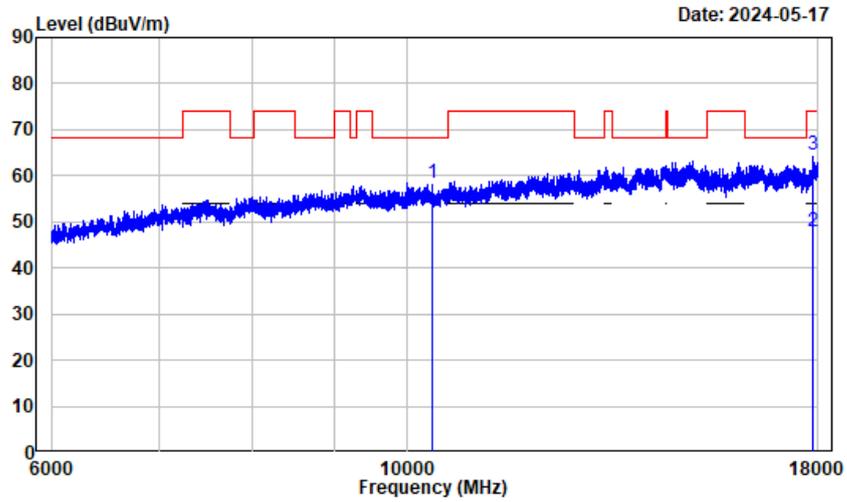


1-6GHz

Condition : Vertical
 Project No.: SZ4240130-07021E
 Tester : Zenos Qiao
 Note : 5GWiFi-Band1-A-5180

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|----------|--------|------------|--------|------------|------------|---------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5115.000 | 2.71 | 44.98 | 47.69 | 54.00 | -6.31 | Average |
| 2 | 5115.000 | 2.71 | 57.87 | 60.58 | 74.00 | -13.42 | Peak |

Horizontal

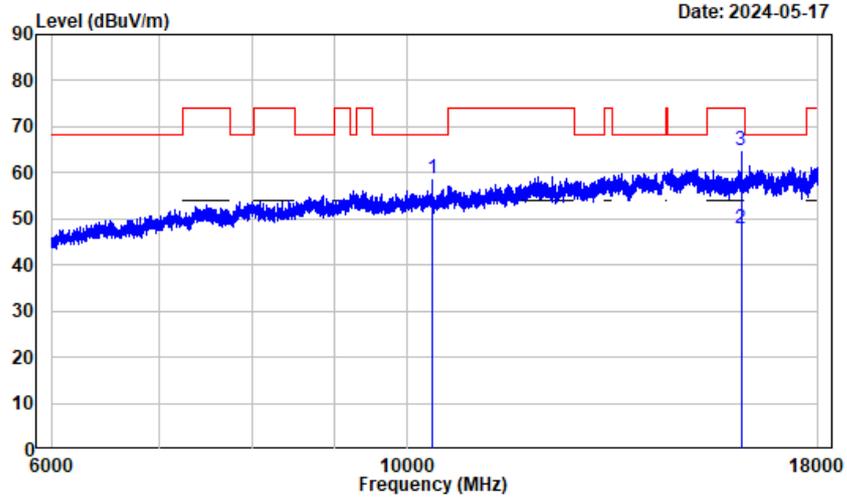


6-18GHz

Condition : Horizontal
 Project No.: SZ4240130-07021E
 Tester : Zenos Qiao
 Note : 5GWiFi-Band1-A-5180

| | Read | Limit | Over | | | | |
|------|-----------|-------|--------|--------|-------|-------|---------|
| Freq | Factor | Level | Level | Line | | | |
| MHz | dB/m | dBuV | dBuV/m | dBuV/m | | | |
| 1 | 10360.000 | 13.07 | 45.25 | 58.32 | 68.20 | -9.88 | Peak |
| 2 | 17872.500 | 23.47 | 24.28 | 47.75 | 54.00 | -6.25 | Average |
| 3 | 17872.500 | 23.47 | 41.01 | 64.48 | 74.00 | -9.52 | Peak |

Vertical

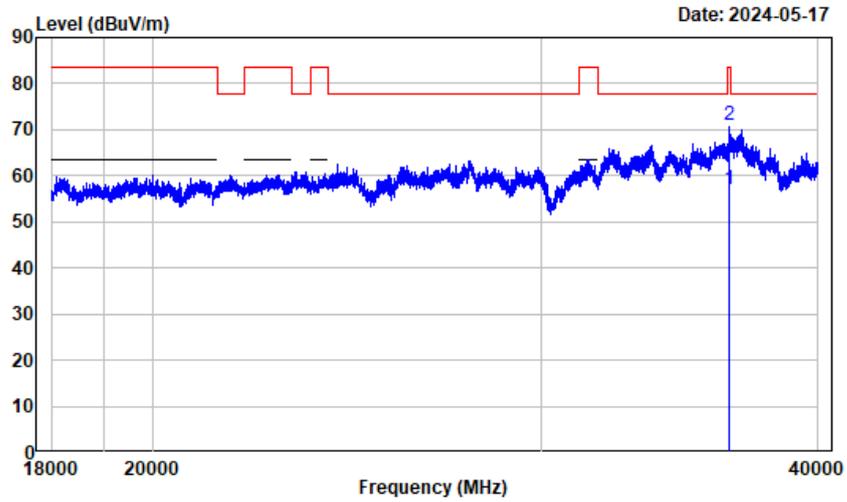


6-18GHz

Condition : Vertical
 Project No.: SZ4240130-07021E
 Tester : Zenos Qiao
 Note : 5GWiFi-Band1-A-5180

| | Read | Limit | Over | | | | |
|------|-----------|-------|--------|--------|-------|-------|---------|
| Freq | Factor | Level | Level | Line | | | |
| MHz | dB/m | dBuV | dBuV/m | dBuV/m | | | |
| 1 | 10360.000 | 13.07 | 45.58 | 58.65 | 68.20 | -9.55 | Peak |
| 2 | 16119.000 | 13.97 | 33.92 | 47.89 | 54.00 | -6.11 | Average |
| 3 | 16119.000 | 13.97 | 50.75 | 64.72 | 74.00 | -9.28 | Peak |

Horizontal



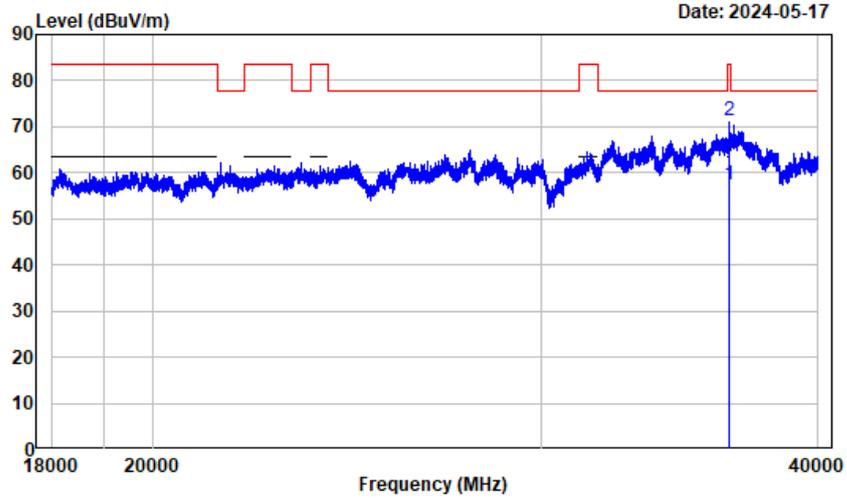
18-40GHz

Condition : Horizontal
 Project No.: SZ4240130-07021E
 Tester : Zenos Qiao
 Note : 5GWiFi-Band1-A-5180

| | Read | Limit | Over | | | | |
|------|-----------|-------|--------|--------|-------|--------|---------|
| Freq | Factor | Level | Level | Line | | | |
| MHz | dB/m | dBuV | dBuV/m | dBuV/m | | | |
| 1 | 36480.000 | 25.32 | 31.87 | 57.19 | 63.50 | -6.31 | Average |
| 2 | 36480.000 | 25.32 | 45.68 | 71.00 | 83.50 | -12.50 | Peak |

Vertical

18-40GHz



Condition : Vertical
 Project No.: SZ4240130-07021E
 Tester : Zenos Qiao
 Note : 5GWiFi-Band1-A-5180

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|-----------|--------|------------|--------|------------|------------|---------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 36491.000 | 25.36 | 32.02 | 57.38 | 63.50 | -6.12 | Average |
| 2 | 36491.000 | 25.36 | 46.07 | 71.43 | 83.50 | -12.07 | Peak |

FCC §15.407(a), (e) - 26 dB & 6dB EMISSION 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.

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Procedure

According to KDB789033 D02 section II.C and section II.D

1. Emission Bandwidth (EBW)

- 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%.

2. Minimum Emission Bandwidth for the band 5.725-5.85 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

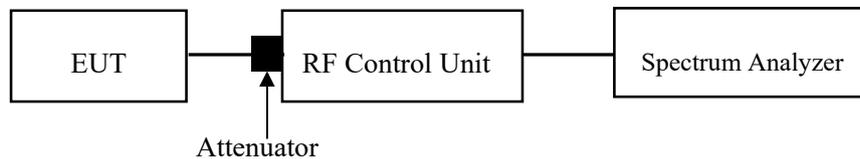
3. 99% Occupied Bandwidth:

According to ANSI C63.10-2013 Section 12.4.2&6.9.3

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

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.

- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).



Test Data

Environmental Conditions

| | |
|---------------------------|-----------|
| Temperature: | 23~25 °C |
| Relative Humidity: | 53~55 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Lee Li on 2024-05-22

EUT operation mode: Transmitting

Test Result: Compliant. Please refer to the Appendix.

FCC §15.407(a) - CONDUCTED TRANSMITTER OUTPUT POWER

Applicable Standard

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

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

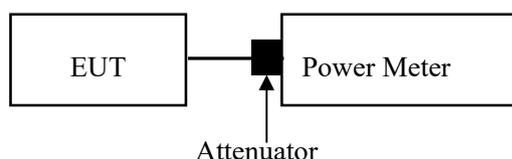
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not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

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

Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method PM-G should be applied

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



Test Data**Environmental Conditions**

| | |
|---------------------------|-----------|
| Temperature: | 23~25 °C |
| Relative Humidity: | 53~55 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Lee Li from 2024-05-22 to 2024-06-08.

EUT operation mode: Transmitting

Test Result: Compliant. Please refer to the Appendix.

FCC §15.407(a) - POWER SPECTRAL DENSITY

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

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

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

Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Duty cycle $\geq 98\%$

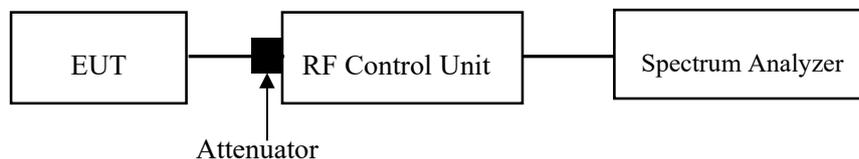
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

Duty cycle $< 98\%$, duty cycle variations are less than $\pm 2\%$

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

Duty cycle $< 98\%$, duty cycle variations exceed $\pm 2\%$

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.



Test Data**Environmental Conditions**

| | |
|---------------------------|-----------|
| Temperature: | 23~25 °C |
| Relative Humidity: | 53~55 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Lee Li from 2024-06-08 to 2024-06-12.

EUT operation mode: Transmitting

Test Result: Compliant. Please refer to the Appendix.

EUT PHOTOGRAPHS

Please refer to the attachment SZ4240130-07021E-RF External photo and SZ4240130-07021E-RF Internal photo.

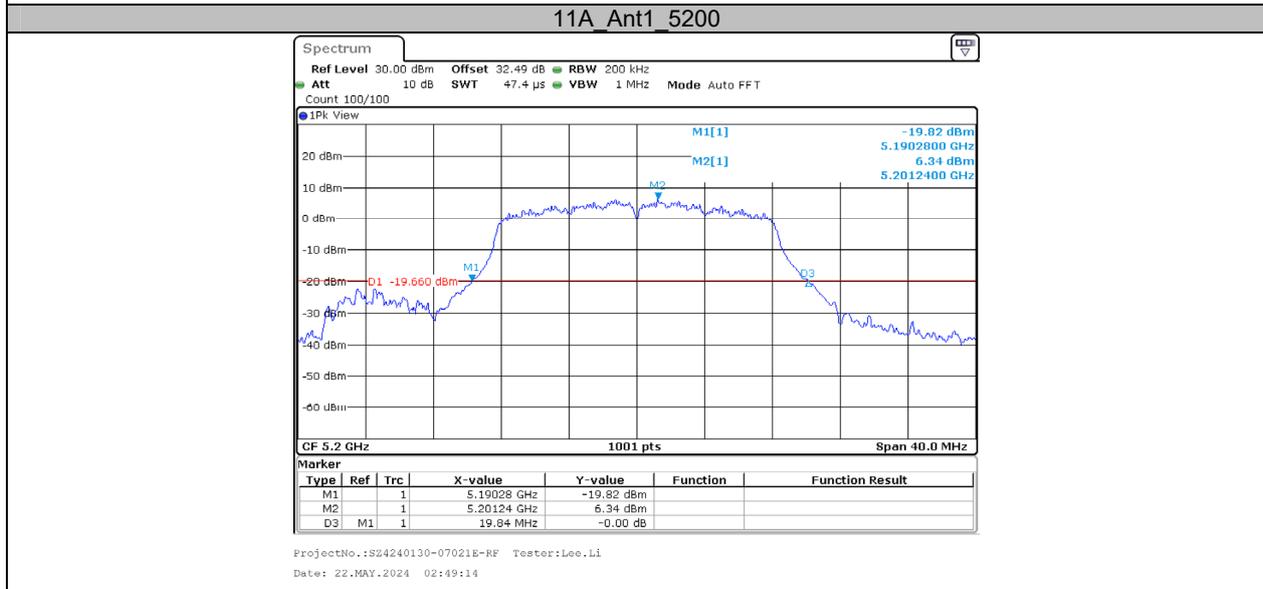
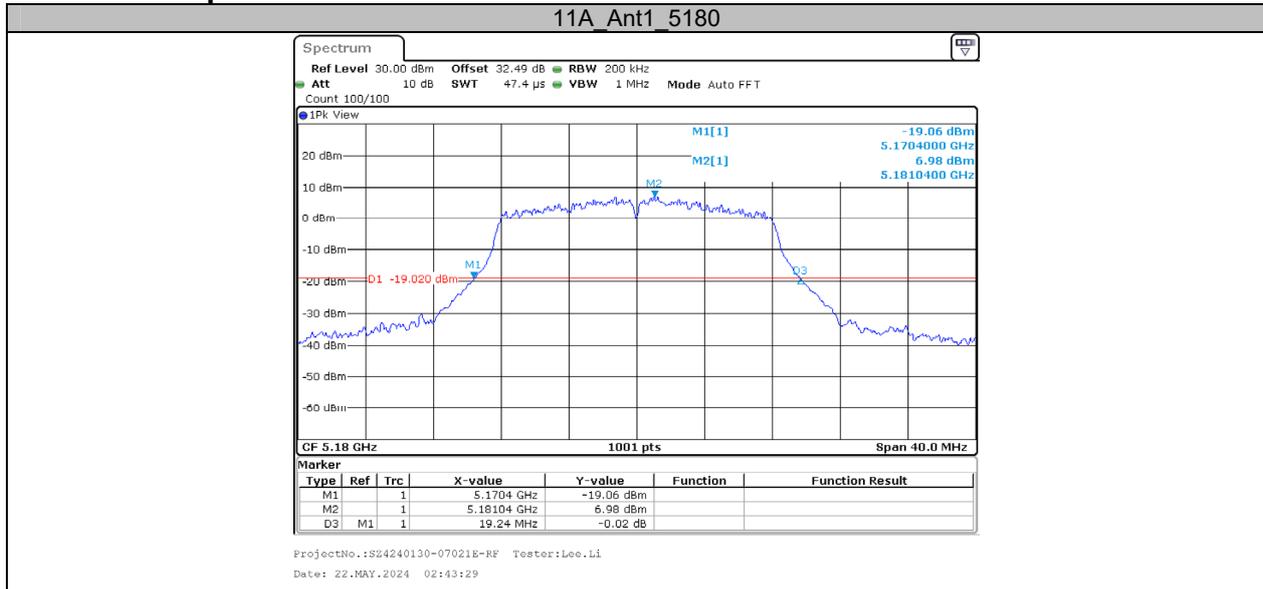
TEST SETUP PHOTOGRAPHS

Please refer to the attachment SZ4240130-07021E-RFB Test Setup photo.

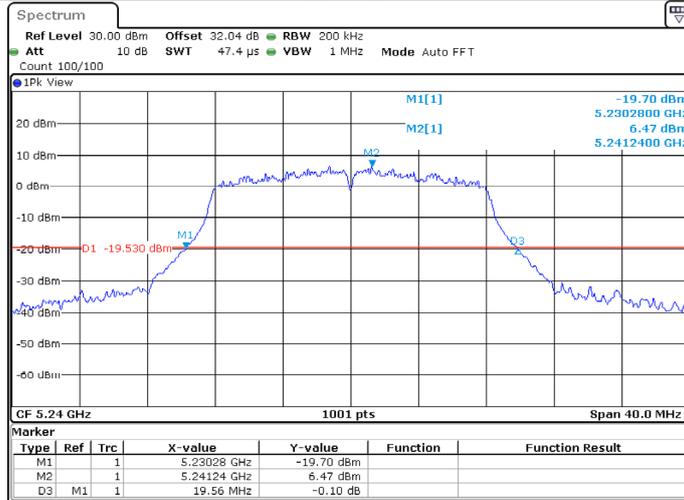
APPENDIX**Appendix A1: Emission Bandwidth****Test Result**

| Test Mode | Antenna | Channel | 26db EBW [MHz] | Limit[MHz] | Verdict |
|------------|---------|---------|----------------|------------|---------|
| 11A | Ant1 | 5180 | 19.24 | --- | --- |
| | | 5200 | 19.84 | --- | --- |
| | | 5240 | 19.56 | --- | --- |
| 11AC20SISO | Ant1 | 5180 | 20.12 | --- | --- |
| | | 5200 | 20.16 | --- | --- |
| | | 5240 | 20.44 | --- | --- |
| 11AC40SISO | Ant1 | 5190 | 38.56 | --- | --- |
| | | 5230 | 38.40 | --- | --- |

Test Graphs

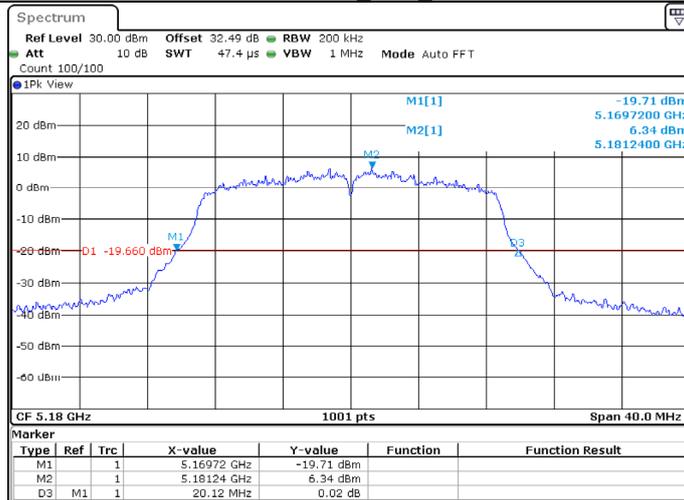


11A_Ant1_5240



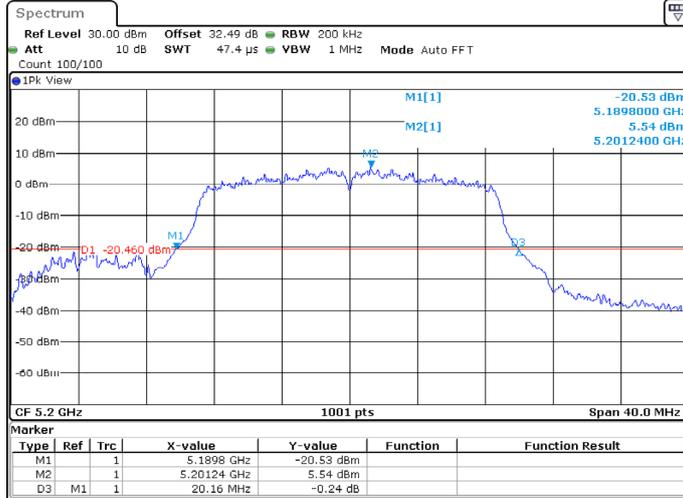
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 Date: 22.MAY.2024 02:50:30

11AC20SISO_Ant1_5180



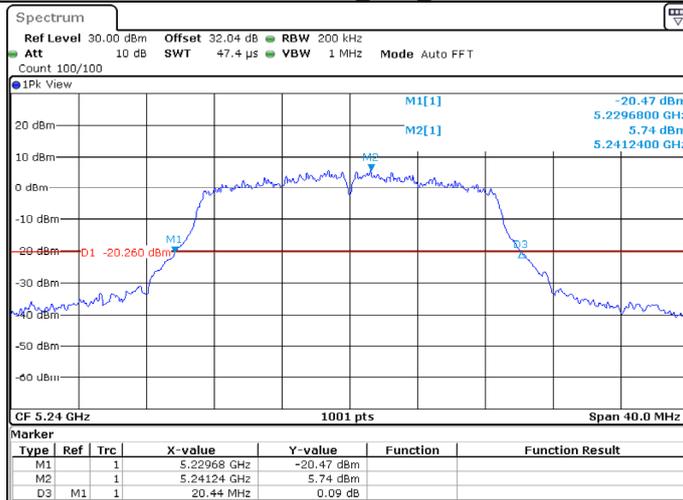
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 Date: 22.MAY.2024 04:02:22

11AC20SISO Ant1 5200



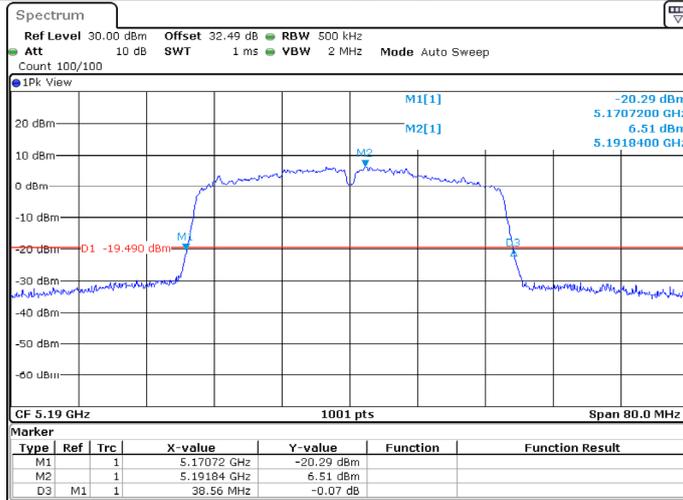
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 Date: 22.MAY.2024 04:04:32

11AC20SISO Ant1 5240



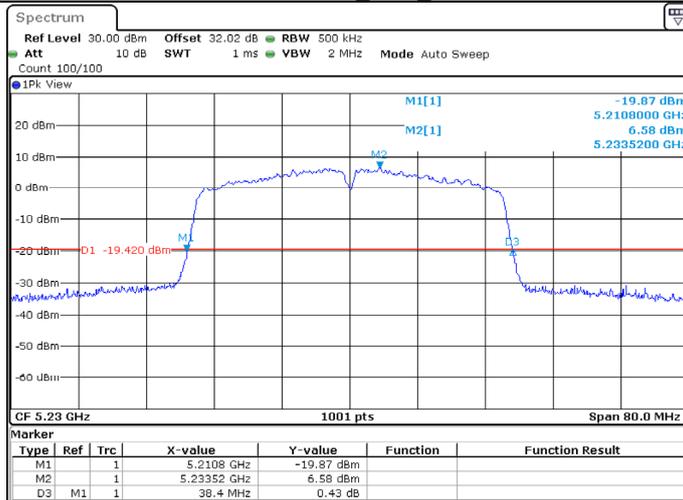
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 Date: 22.MAY.2024 04:06:41

11AC40SISO Ant1 5190



ProjectNo.:SZ4240130-07021E-RF Tester:Lee.Li
 Date: 22.MAY.2024 04:17:10

11AC40SISO Ant1 5230



ProjectNo.:SZ4240130-07021E-RF Tester:Lee.Li
 Date: 22.MAY.2024 04:18:19

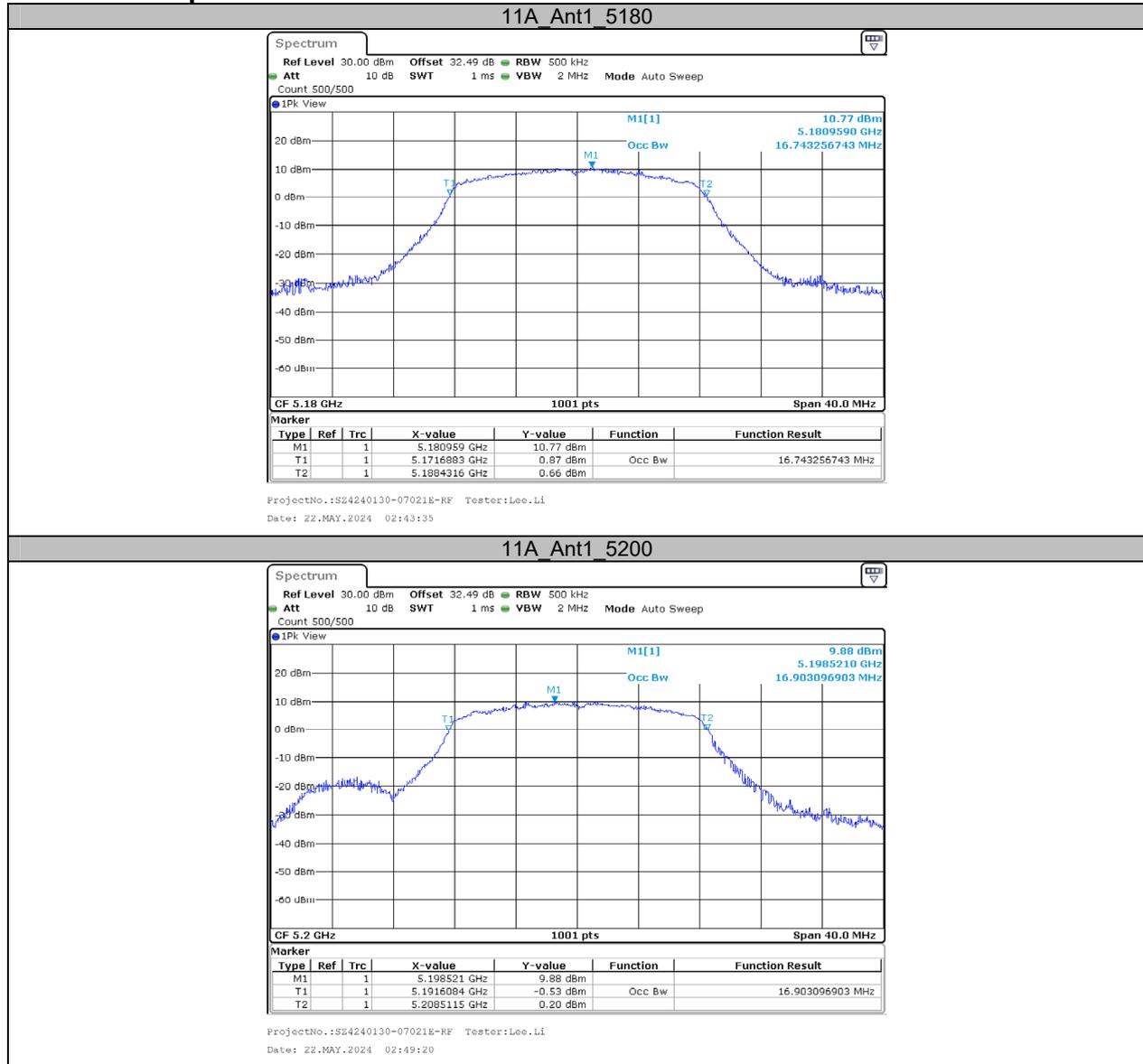
Appendix A2: Occupied channel bandwidth

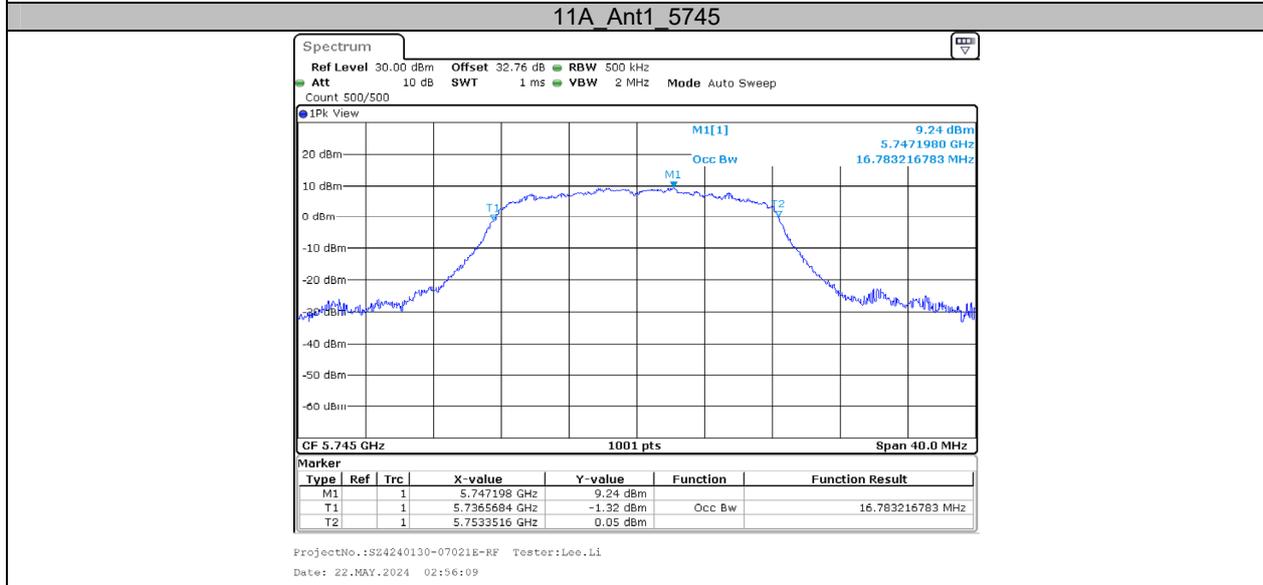
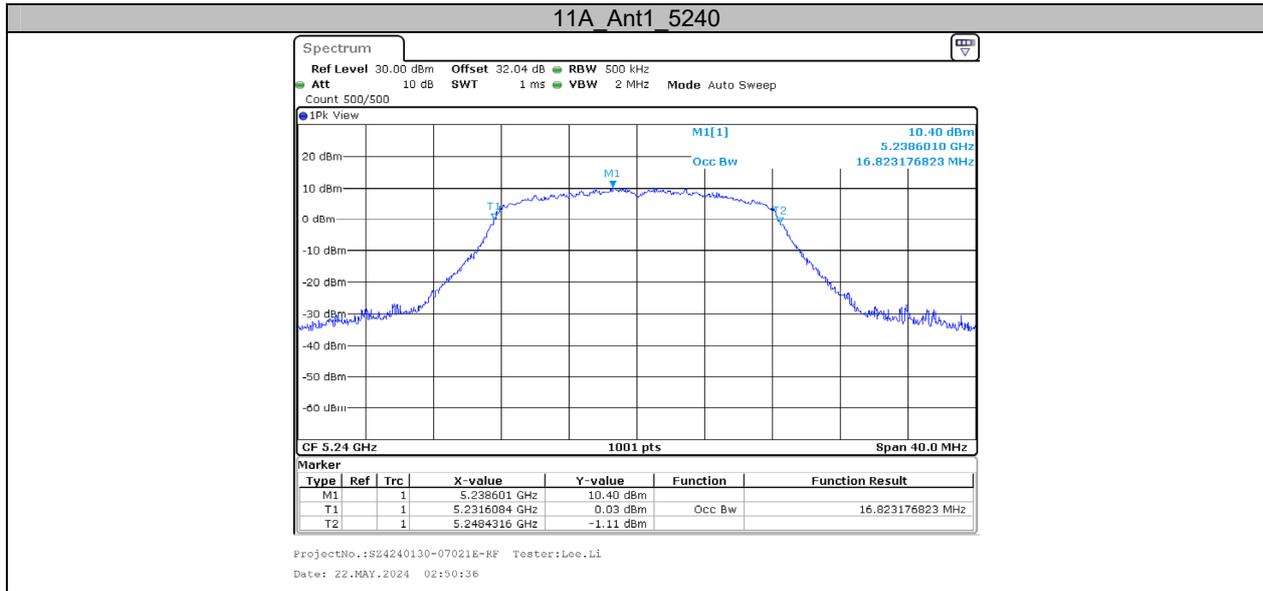
Test Result

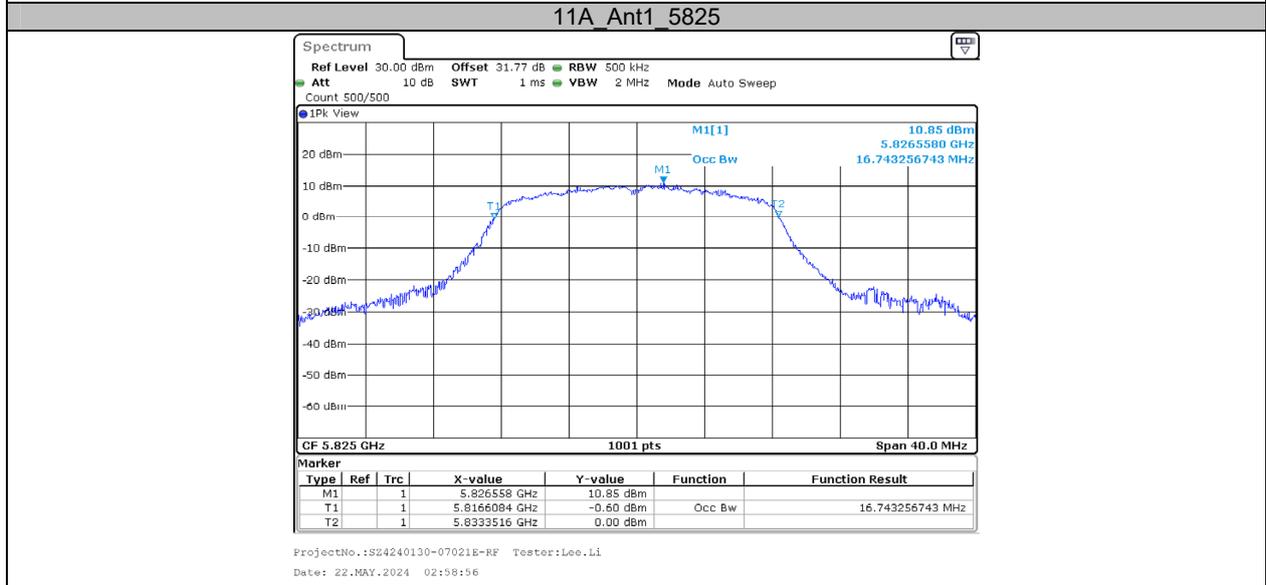
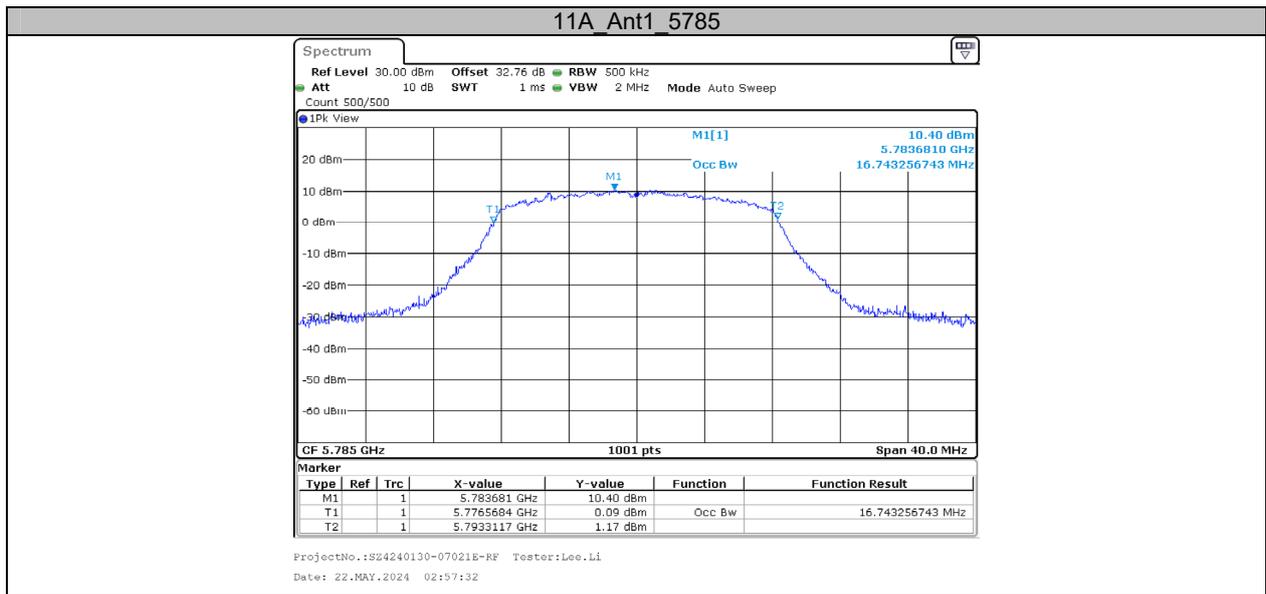
| Test Mode | Antenna | Channel | OCB [MHz] | Limit[MHz] | Verdict |
|------------|---------|---------|-----------|------------|---------|
| 11A | Ant1 | 5180 | 16.743 | --- | --- |
| | | 5200 | 16.903 | --- | --- |
| | | 5240 | 16.823 | --- | --- |
| | | 5745 | 16.783 | --- | --- |
| | | 5785 | 16.743 | --- | --- |
| | | 5825 | 16.743 | --- | --- |
| 11AC20SISO | Ant1 | 5180 | 17.702 | --- | --- |
| | | 5200 | 17.702 | --- | --- |
| | | 5240 | 17.822 | --- | --- |
| | | 5745 | 17.822 | --- | --- |
| | | 5785 | 17.702 | --- | --- |
| | | 5825 | 17.702 | --- | --- |
| 11AC40SISO | Ant1 | 5190 | 35.245 | --- | --- |
| | | 5230 | 35.165 | --- | --- |
| | | 5755 | 35.325 | --- | --- |
| | | 5795 | 35.325 | --- | --- |

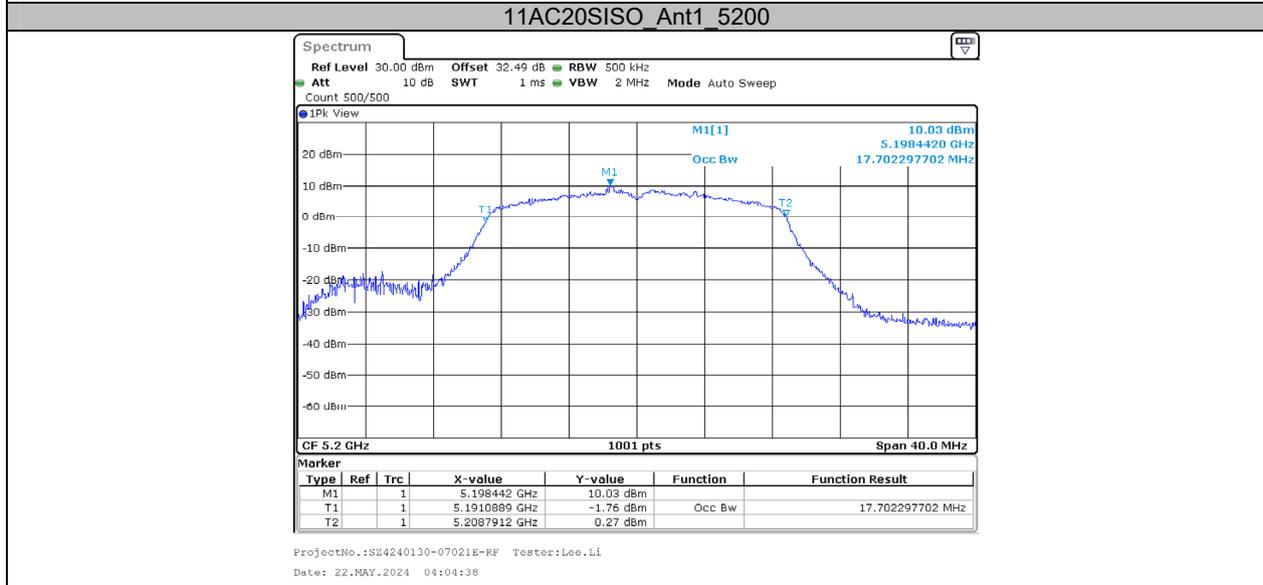
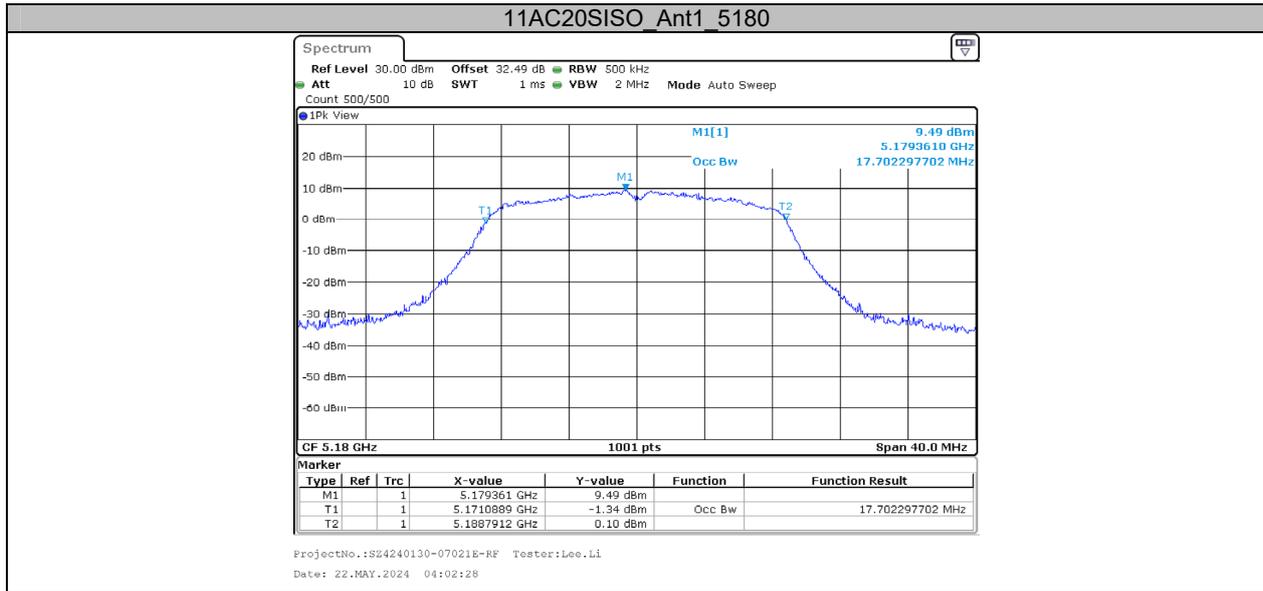
Note: the device not operate with any part of OBW within 5250-5350MHz and 5470-5725MHz range.

Test Graphs

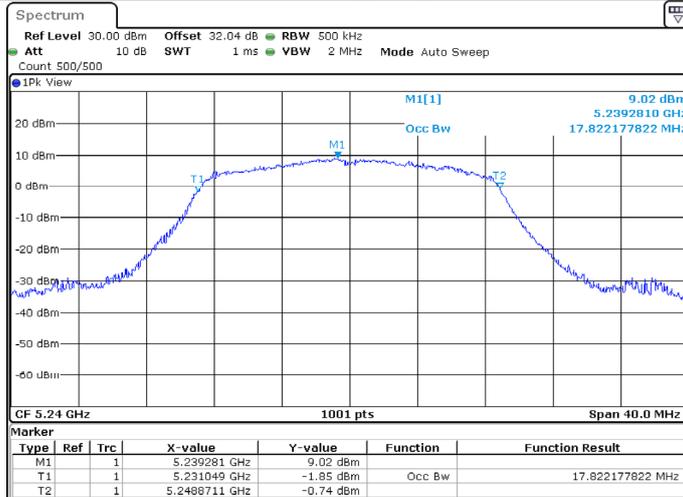






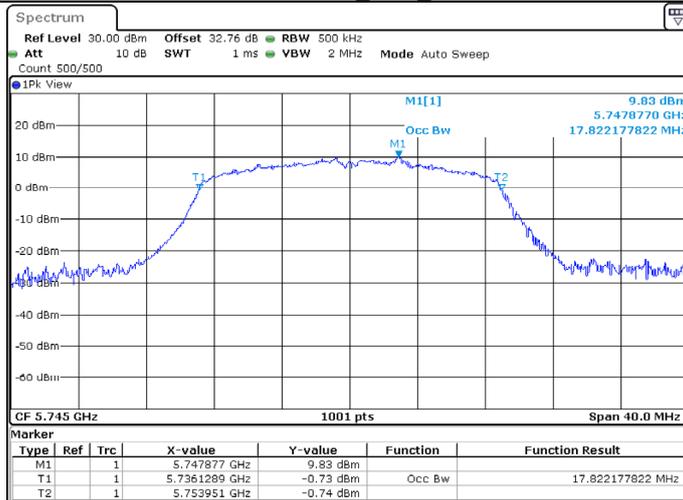


11AC20SISO Ant1 5240



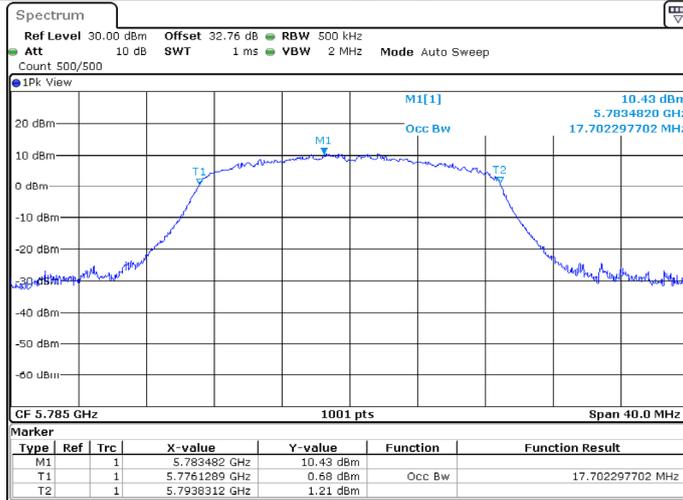
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 Date: 22.MAY.2024 04:06:47

11AC20SISO Ant1 5745



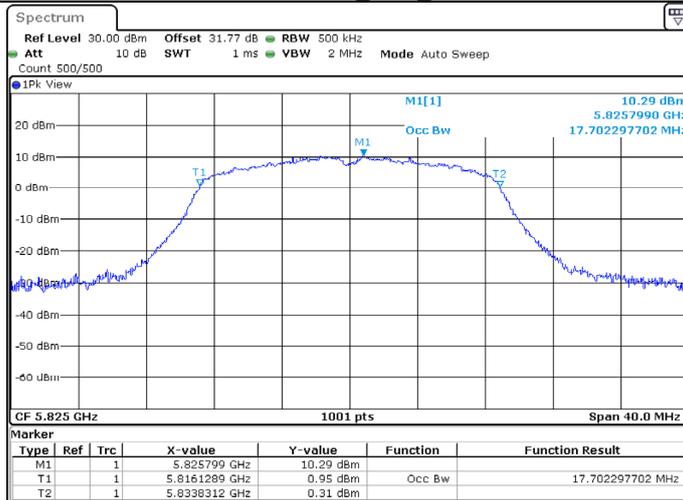
ProjectNo.:SZ4240130-07021E-RF Tester:Lee.Li
 Date: 22.MAY.2024 04:09:05

11AC20SISO Ant1 5785



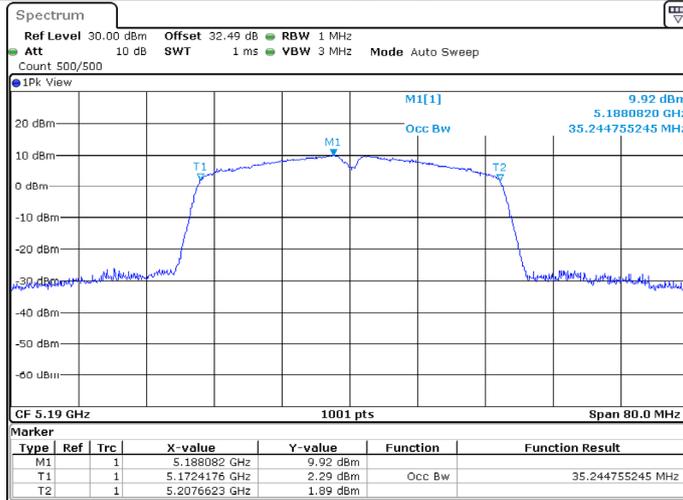
ProjectNo.:SZ4240130-07021E-RF Tester:Lee.Li
 Date: 22.MAY.2024 04:12:52

11AC20SISO Ant1 5825



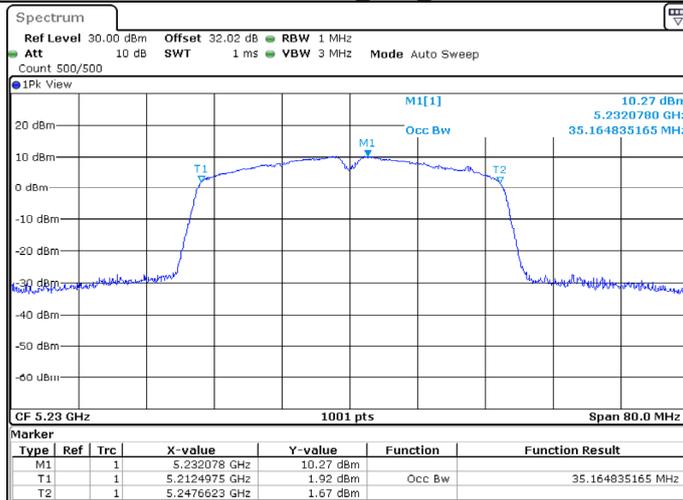
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11AC40SISO Ant1 5190



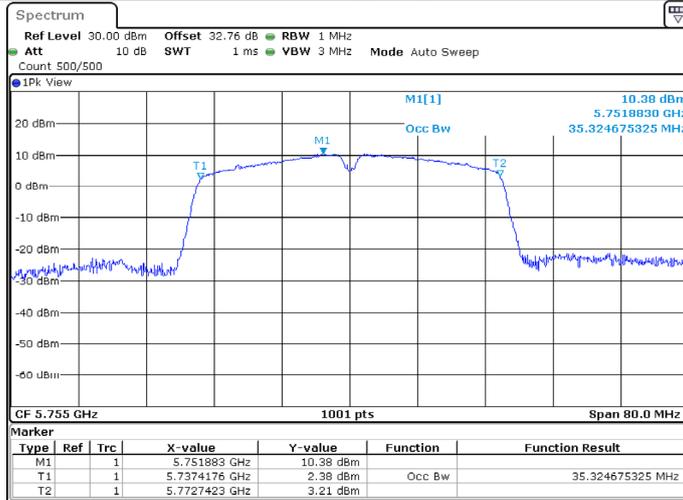
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 Date: 22.MAY.2024 04:17:16

11AC40SISO Ant1 5230



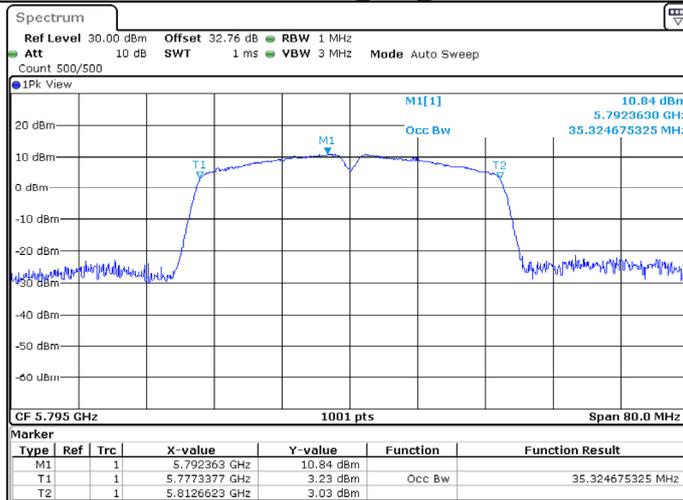
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11AC40SISO Ant1 5755



ProjectNo.:SZ4240130-07021E-RF Tester:Lee.Li
Date: 22.MAY.2024 04:19:41

11AC40SISO Ant1 5795



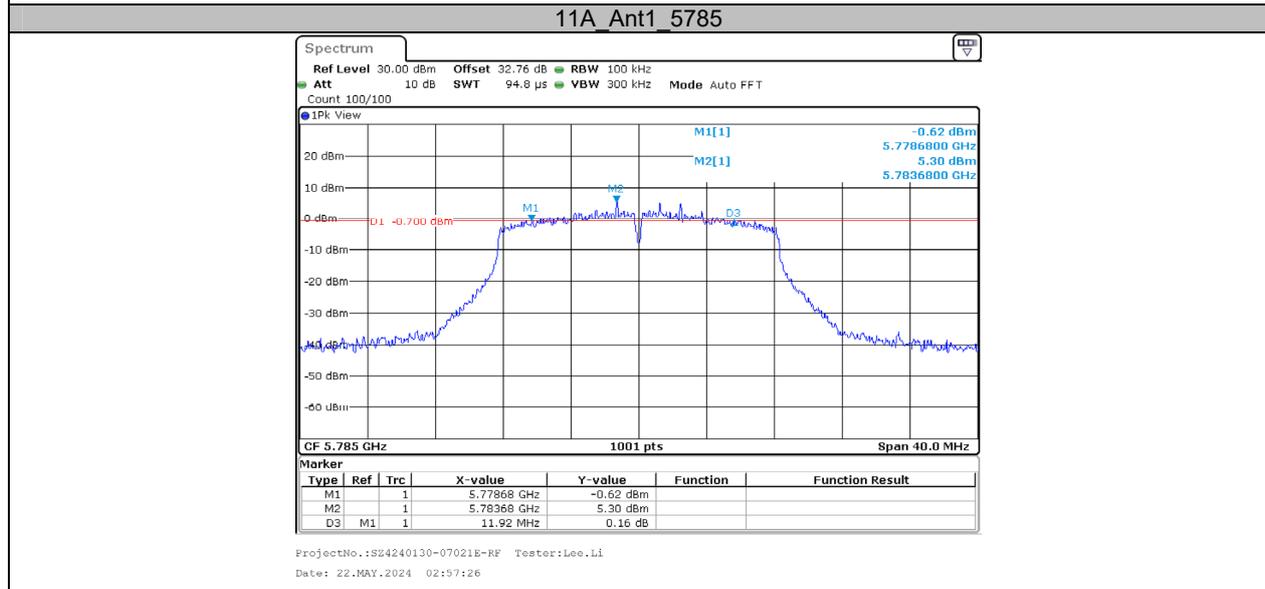
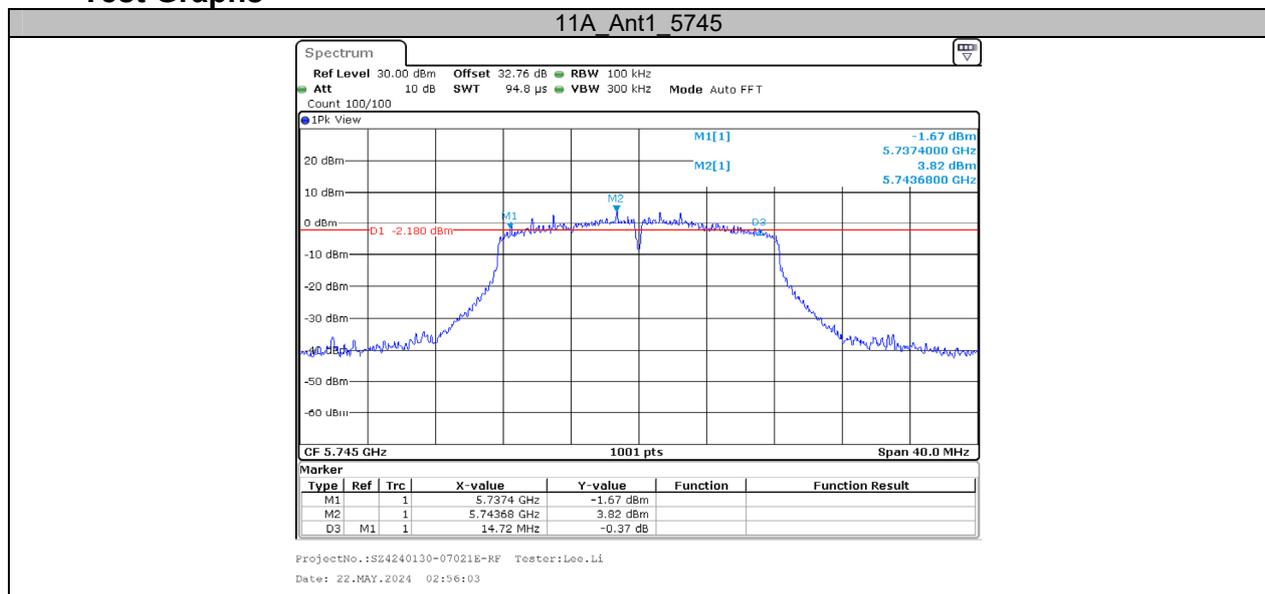
ProjectNo.:SZ4240130-07021E-RF Tester:Lee.Li
Date: 22.MAY.2024 04:21:23

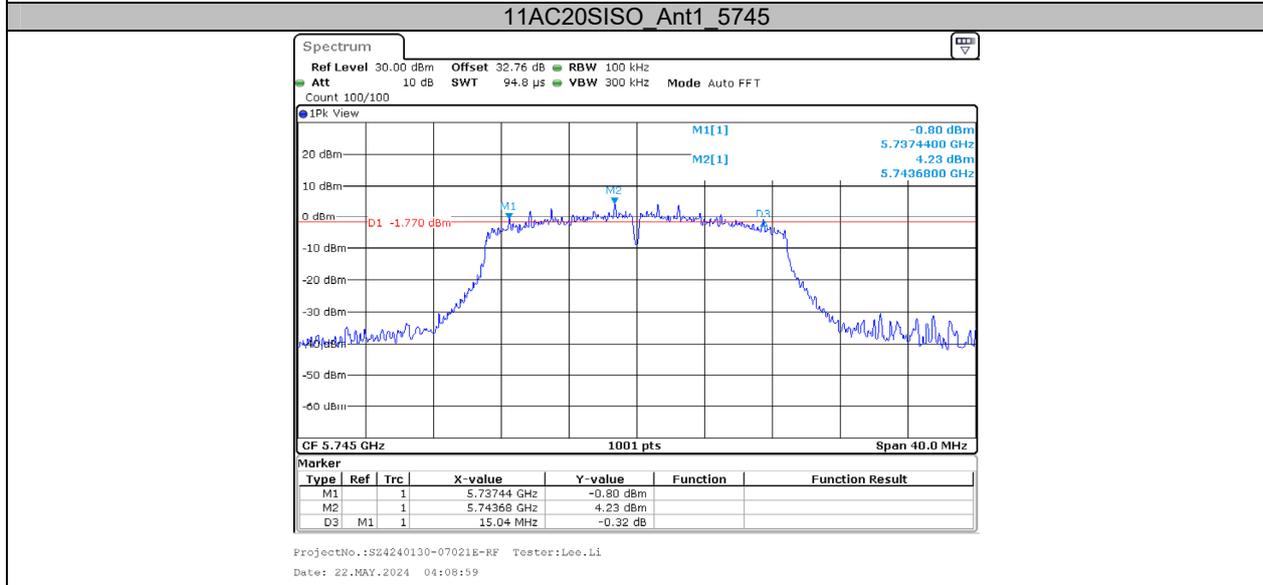
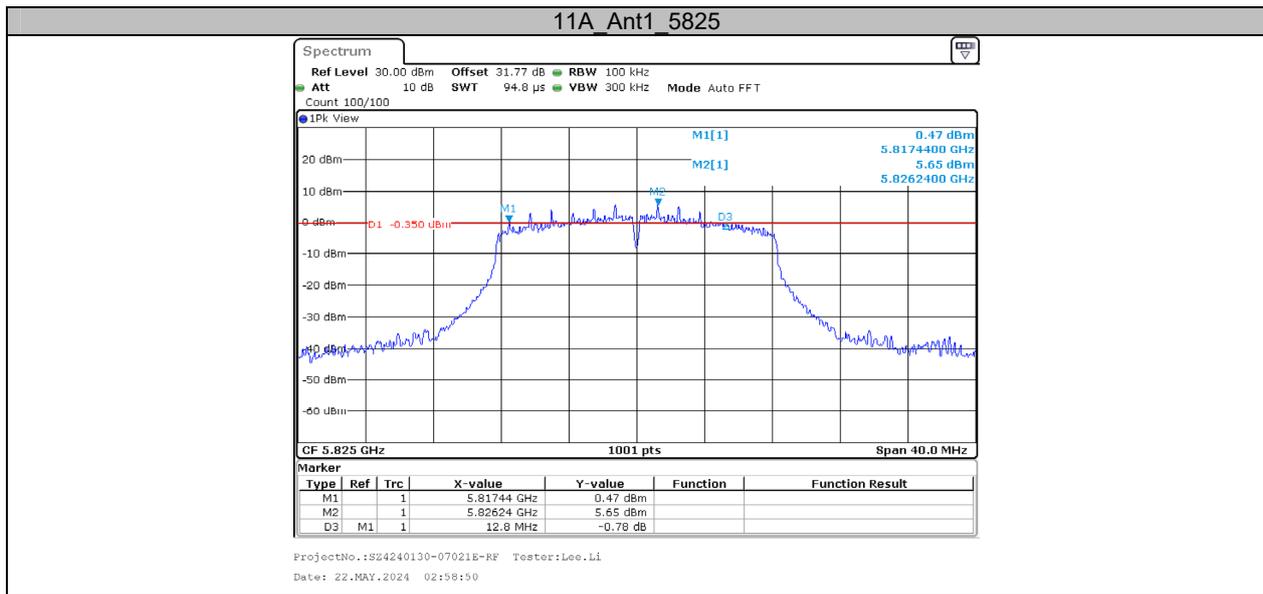
Appendix A3: Min emission bandwidth

Test Result

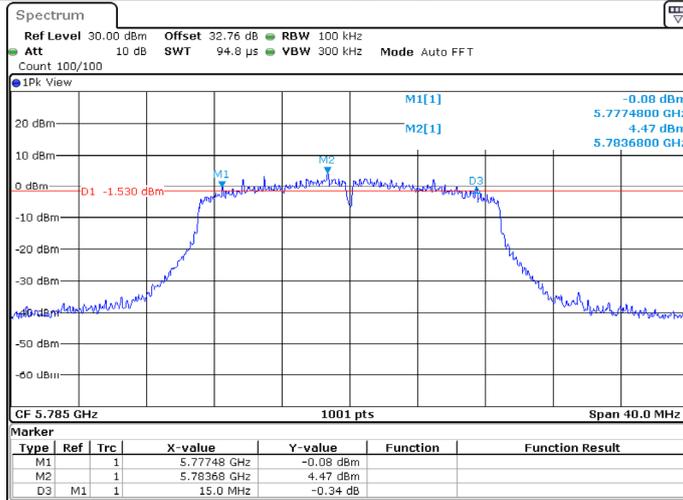
| Test Mode | Antenna | Channel | 6db EBW [MHz] | Limit[MHz] | Verdict |
|------------|---------|---------|---------------|------------|---------|
| 11A | Ant1 | 5745 | 14.72 | 0.5 | PASS |
| | | 5785 | 11.92 | 0.5 | PASS |
| | | 5825 | 12.80 | 0.5 | PASS |
| 11AC20SISO | Ant1 | 5745 | 15.04 | 0.5 | PASS |
| | | 5785 | 15.00 | 0.5 | PASS |
| | | 5825 | 14.44 | 0.5 | PASS |
| 11AC40SISO | Ant1 | 5755 | 33.76 | 0.5 | PASS |
| | | 5795 | 32.56 | 0.5 | PASS |

Test Graphs



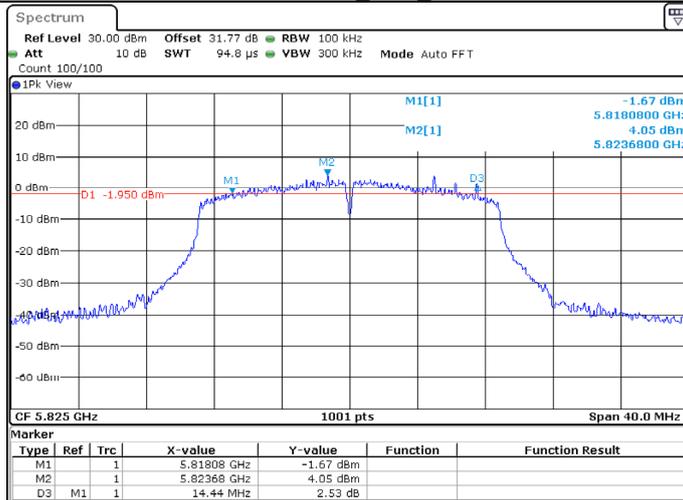


11AC20SISO Ant1 5785



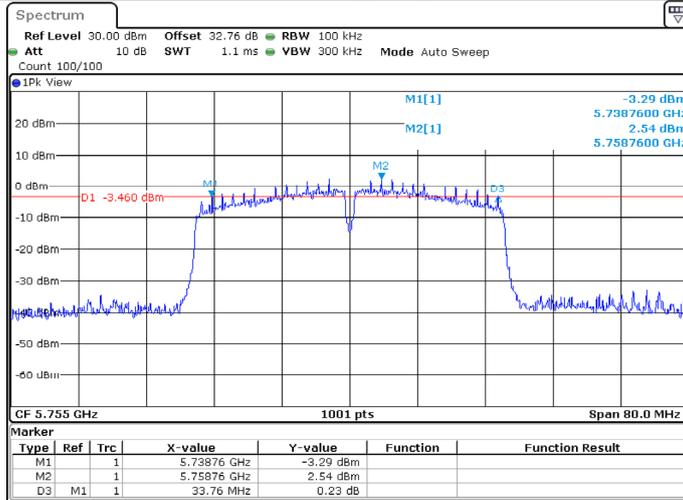
ProjectNo.:SZ4240130-07021E-RF Tester:Lee.Li
 Date: 22.MAY.2024 04:12:47

11AC20SISO Ant1 5825



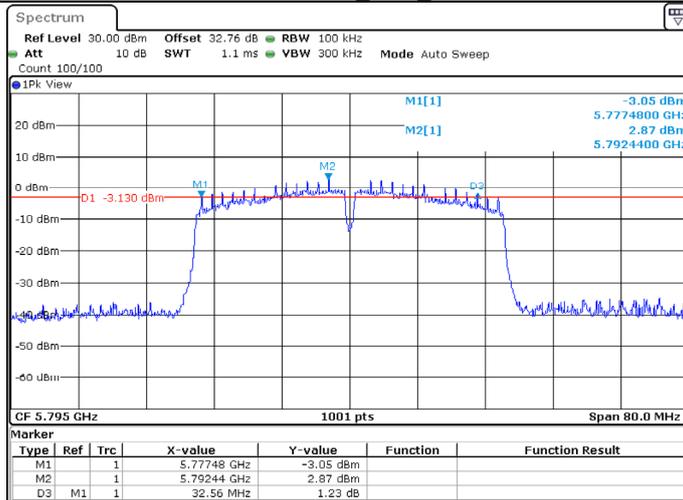
ProjectNo.:SZ4240130-07021E-RF Tester:Lee.Li
 Date: 22.MAY.2024 04:14:01

11AC40SISO Ant1 5755



ProjectNo.:SZ4240130-07021E-RF Tester:Lee.Li
 Date: 22.MAY.2024 04:19:35

11AC40SISO Ant1 5795



ProjectNo.:SZ4240130-07021E-RF Tester:Lee.Li
 Date: 22.MAY.2024 04:21:17

Appendix B: Maximum conducted output power

Test Result

| Test Mode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|---------|-------------|------------|---------|
| 11A | Ant1 | 5180 | 13.92 | ≤23.98 | PASS |
| | | 5200 | 13.52 | ≤23.98 | PASS |
| | | 5240 | 13.34 | ≤23.98 | PASS |
| | | 5745 | 15.43 | ≤30.00 | PASS |
| | | 5785 | 16.89 | ≤30.00 | PASS |
| | | 5825 | 16.65 | ≤30.00 | PASS |
| 11AC20SISO | Ant1 | 5180 | 13.72 | ≤23.98 | PASS |
| | | 5200 | 13.33 | ≤23.98 | PASS |
| | | 5240 | 13.34 | ≤23.98 | PASS |
| | | 5745 | 15.45 | ≤30.00 | PASS |
| | | 5785 | 16.72 | ≤30.00 | PASS |
| | | 5825 | 16.36 | ≤30.00 | PASS |
| 11AC40SISO | Ant1 | 5190 | 13.78 | ≤23.98 | PASS |
| | | 5230 | 14.04 | ≤23.98 | PASS |
| | | 5755 | 16.42 | ≤30.00 | PASS |
| | | 5795 | 16.77 | ≤30.00 | PASS |

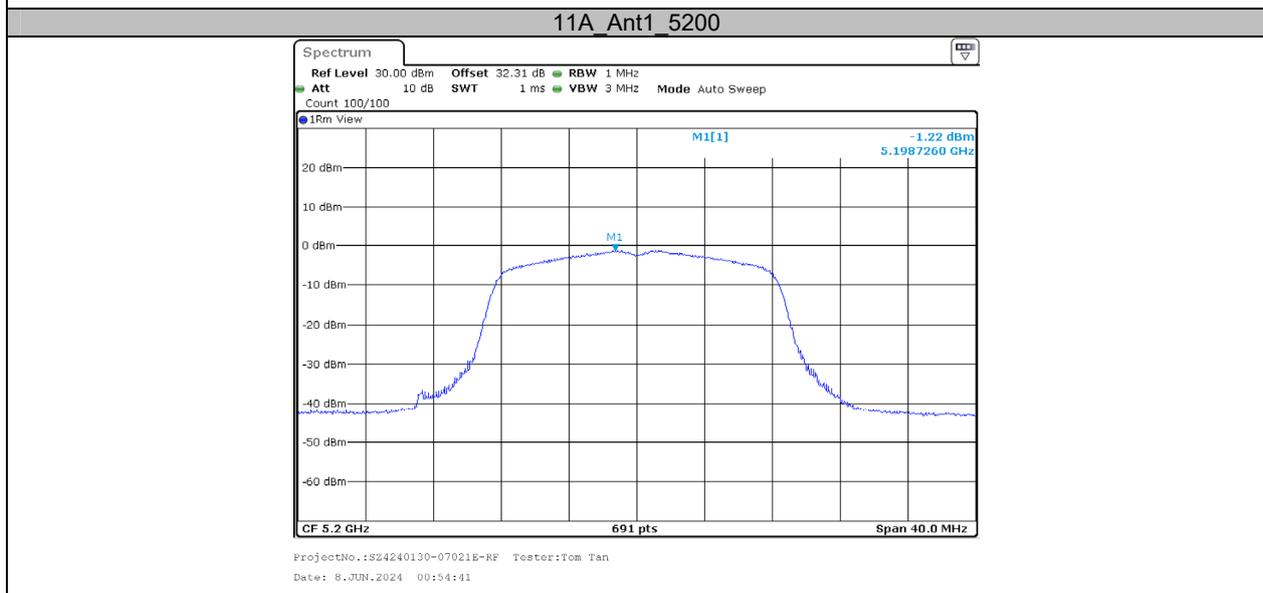
Appendix C: Maximum power spectral density

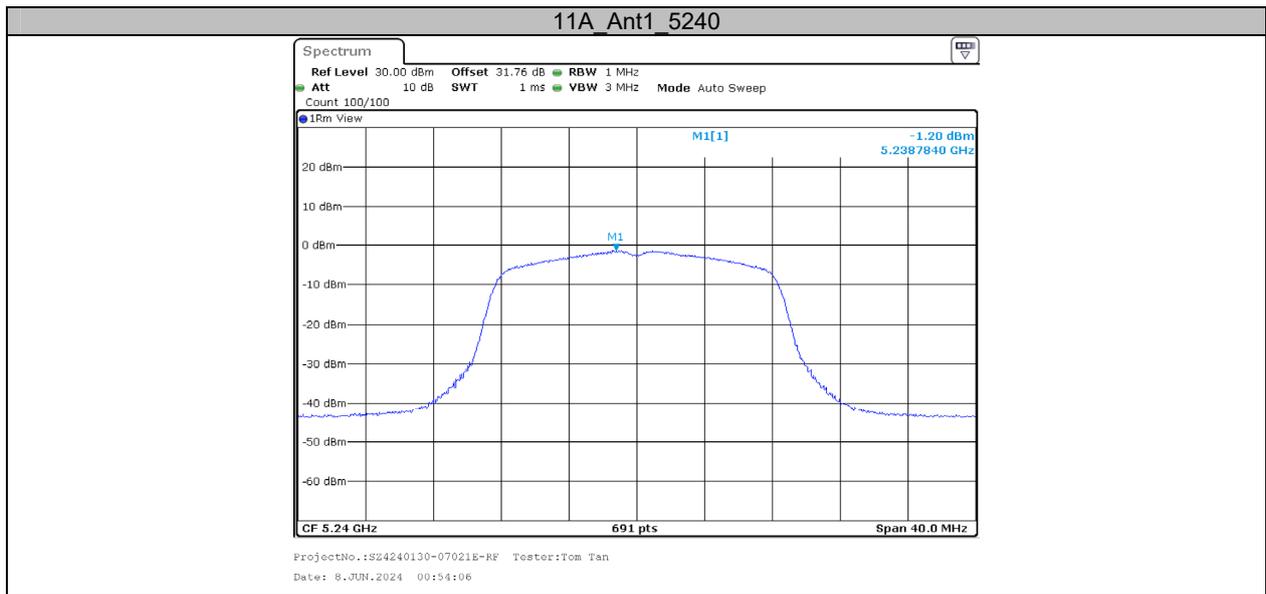
Test Result

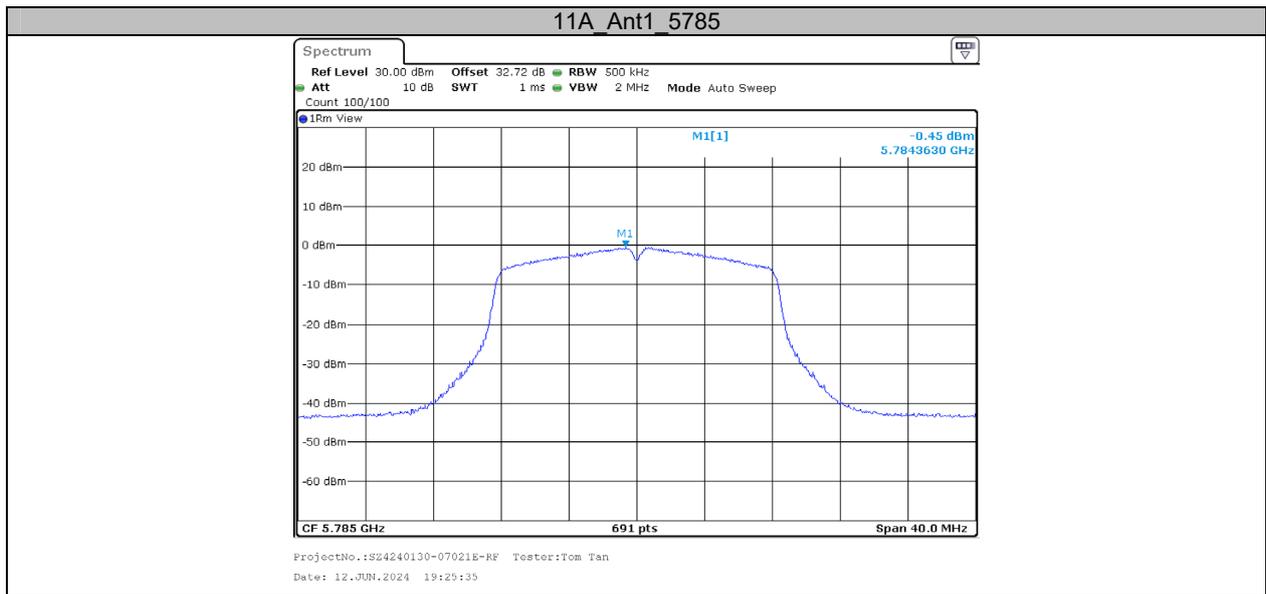
| Test Mode | Antenna | Channel | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|---------|------------------|----------------|---------|
| 11A | Ant1 | 5180 | -0.94 | ≤11.00 | PASS |
| | | 5200 | -1.22 | ≤11.00 | PASS |
| | | 5240 | -1.20 | ≤11.00 | PASS |
| | | 5745 | -2.03 | ≤30.00 | PASS |
| | | 5785 | -0.45 | ≤30.00 | PASS |
| | | 5825 | -0.93 | ≤30.00 | PASS |
| 11AC20SISO | Ant1 | 5180 | -1.33 | ≤11.00 | PASS |
| | | 5200 | -1.78 | ≤11.00 | PASS |
| | | 5240 | -1.52 | ≤11.00 | PASS |
| | | 5745 | -2.42 | ≤30.00 | PASS |
| | | 5785 | -0.88 | ≤30.00 | PASS |
| 11AC40SISO | Ant1 | 5190 | -4.20 | ≤11.00 | PASS |
| | | 5230 | -4.14 | ≤11.00 | PASS |
| | | 5755 | -4.48 | ≤30.00 | PASS |
| | | 5795 | -4.04 | ≤30.00 | PASS |

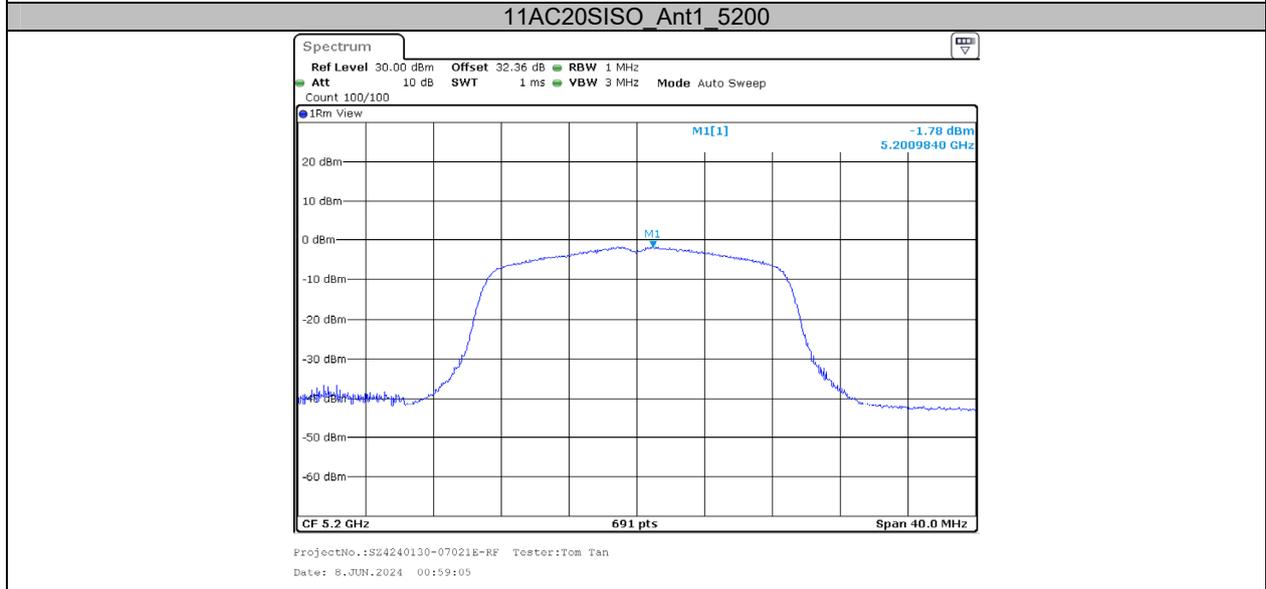
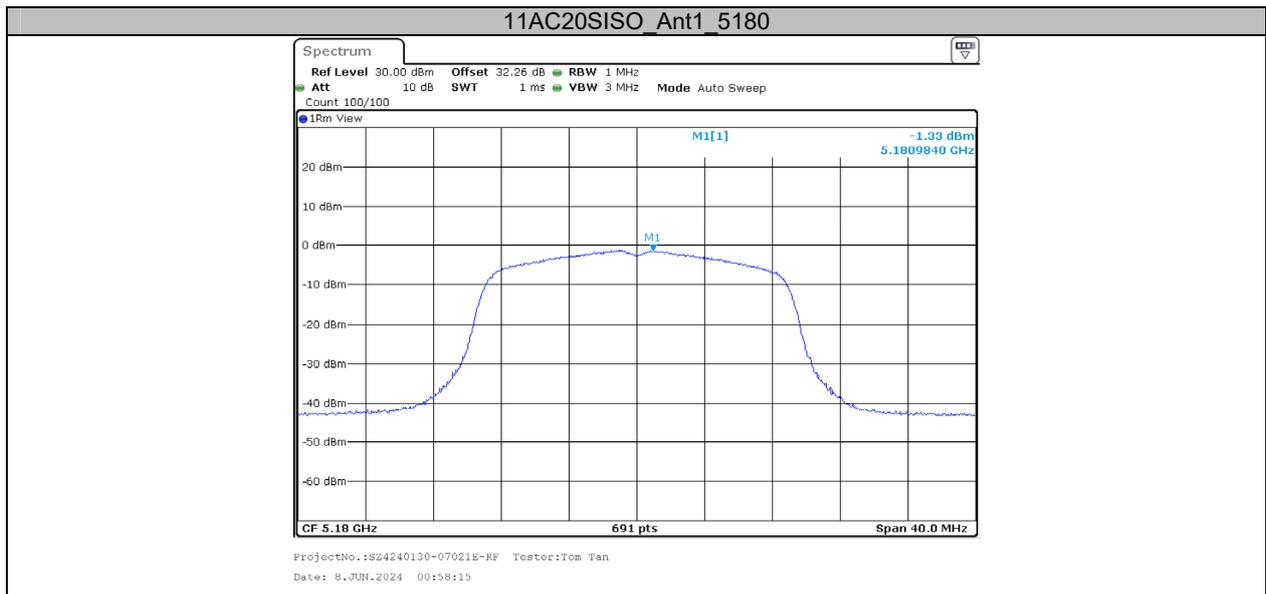
Note: 1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2. The Duty Cycle Factor is compensated in the graph.

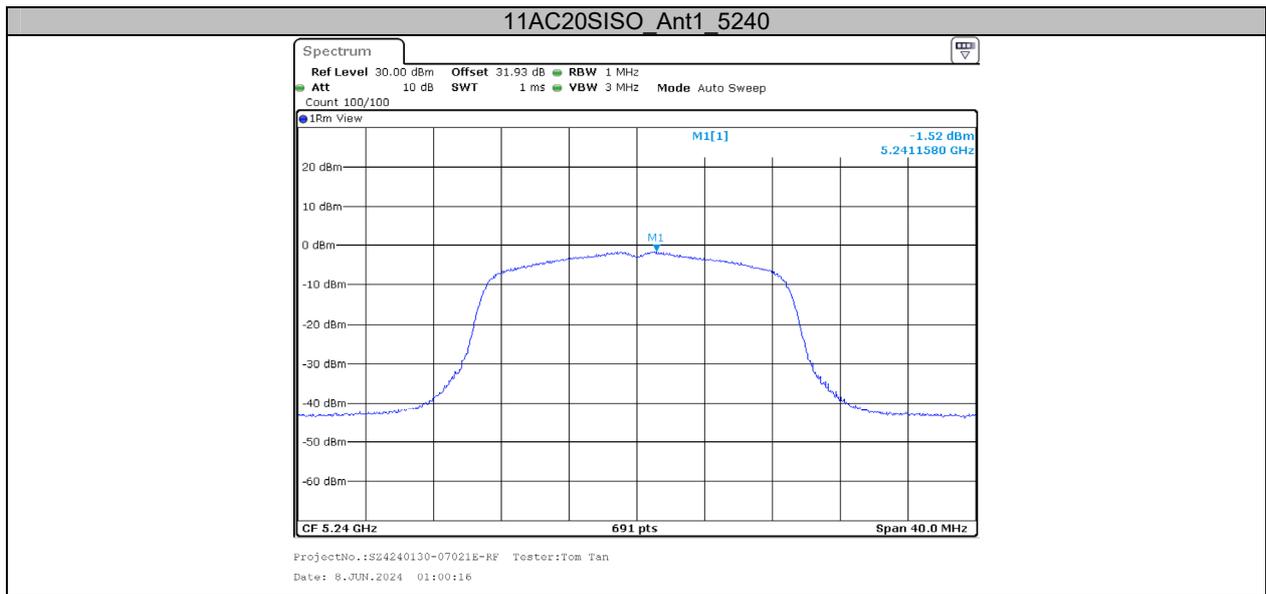
Test Graphs

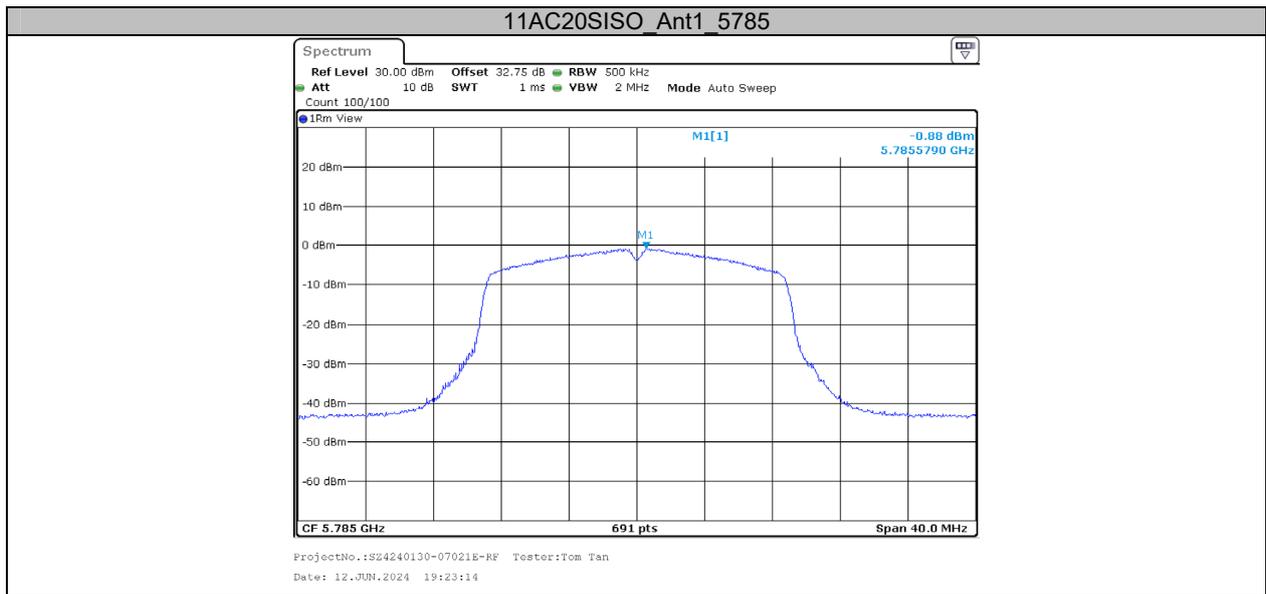


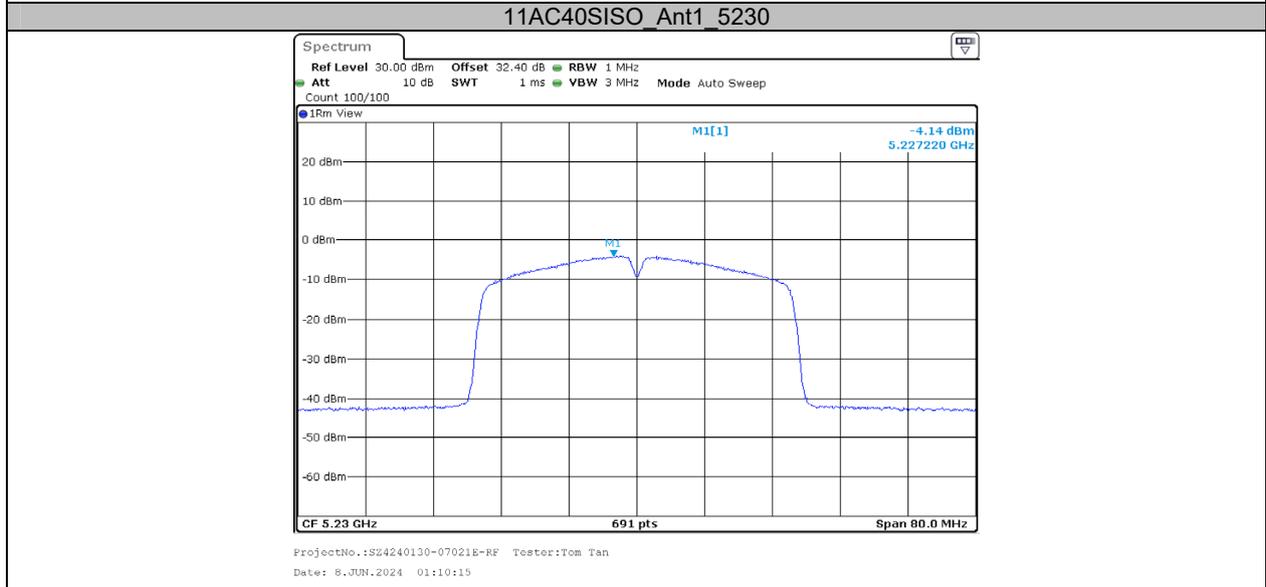
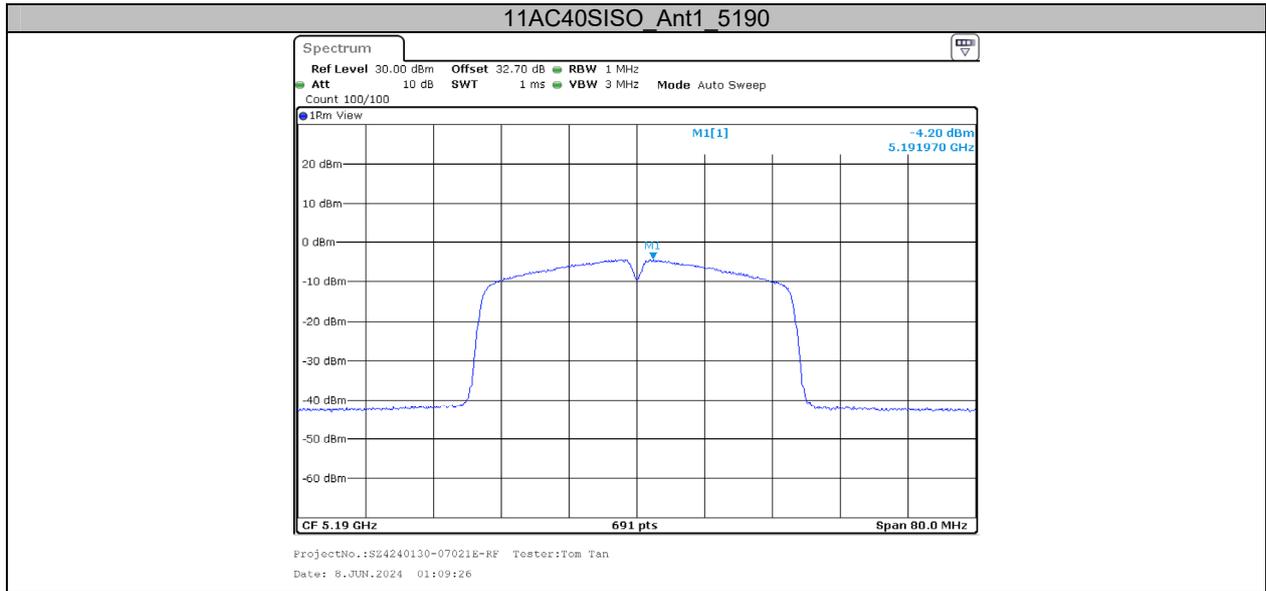


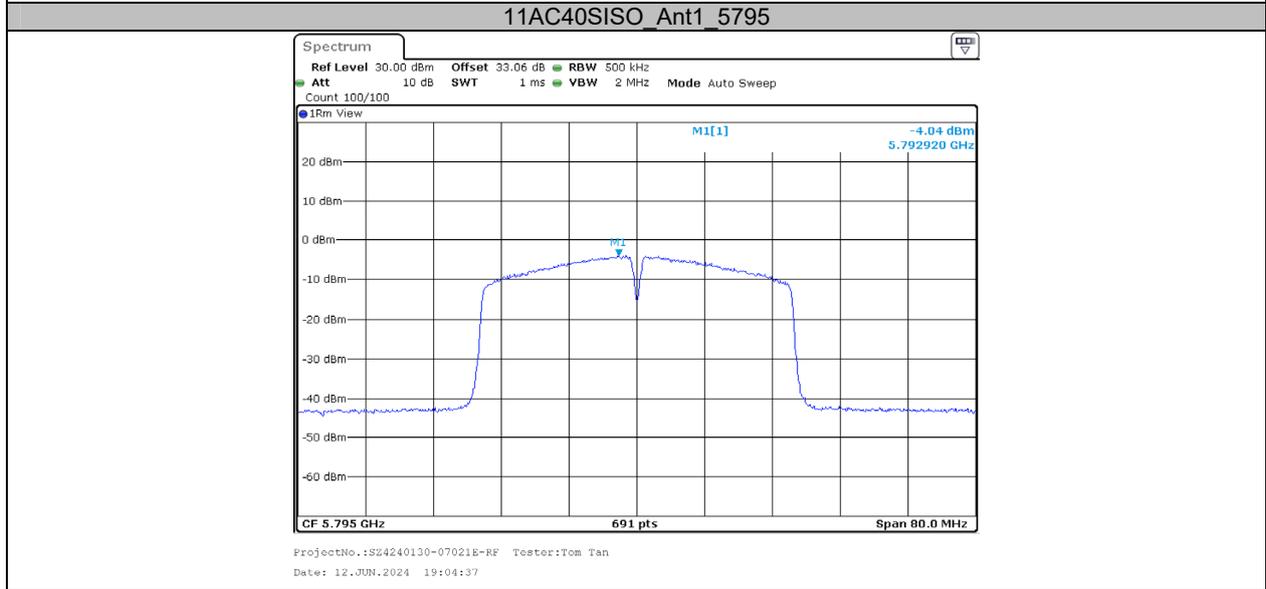
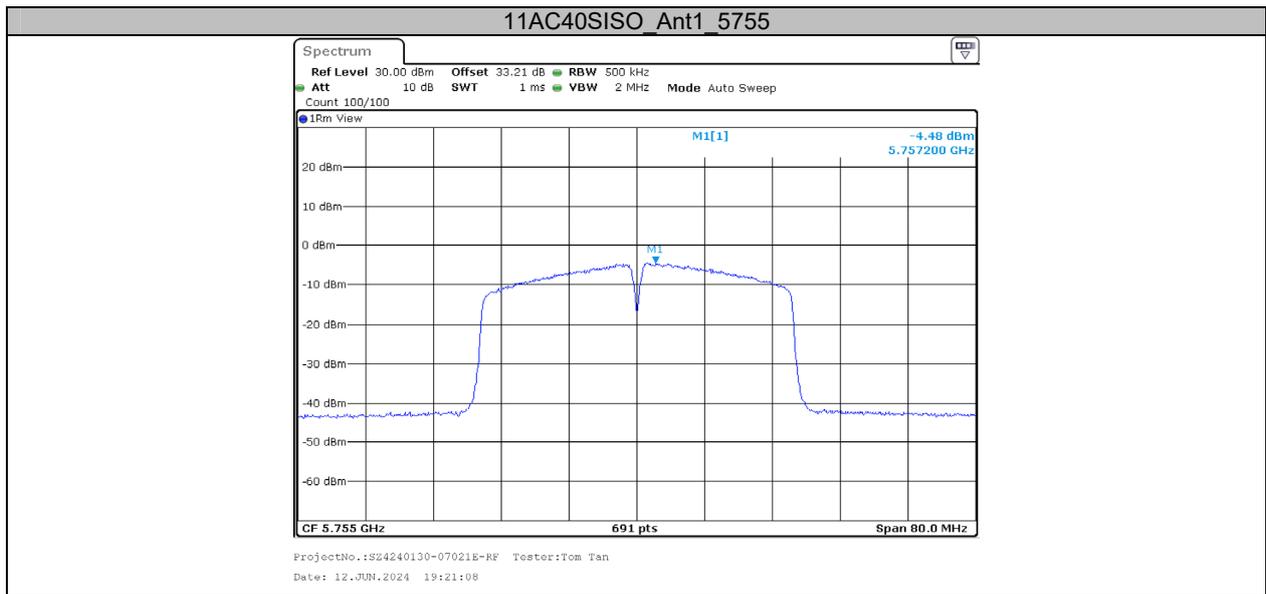










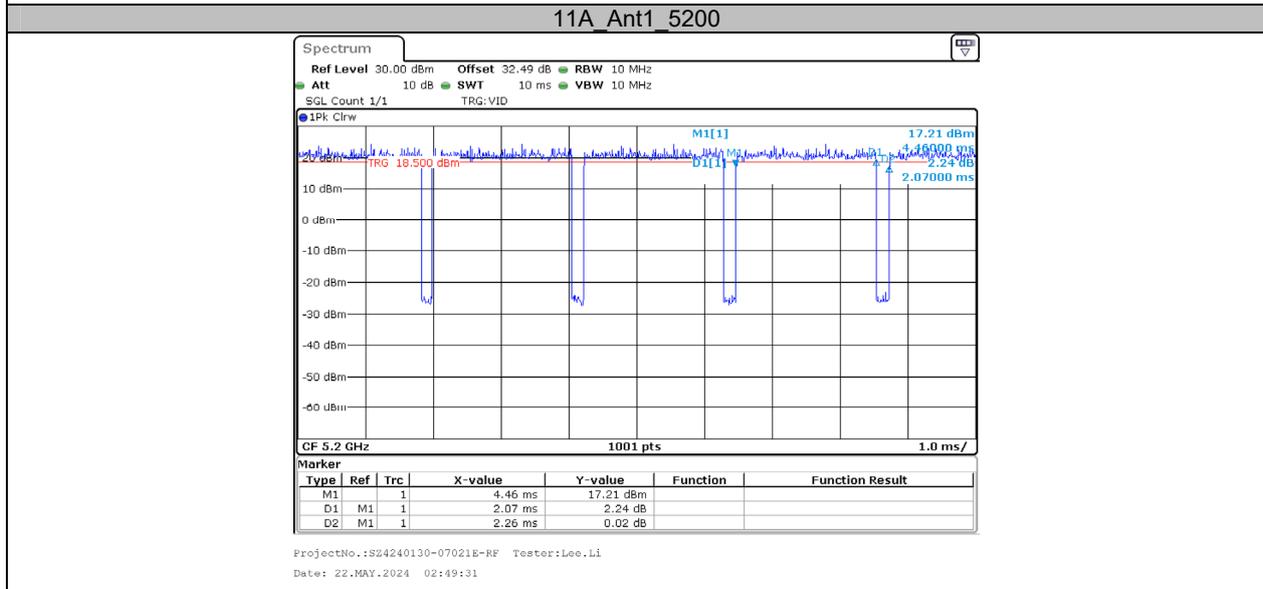
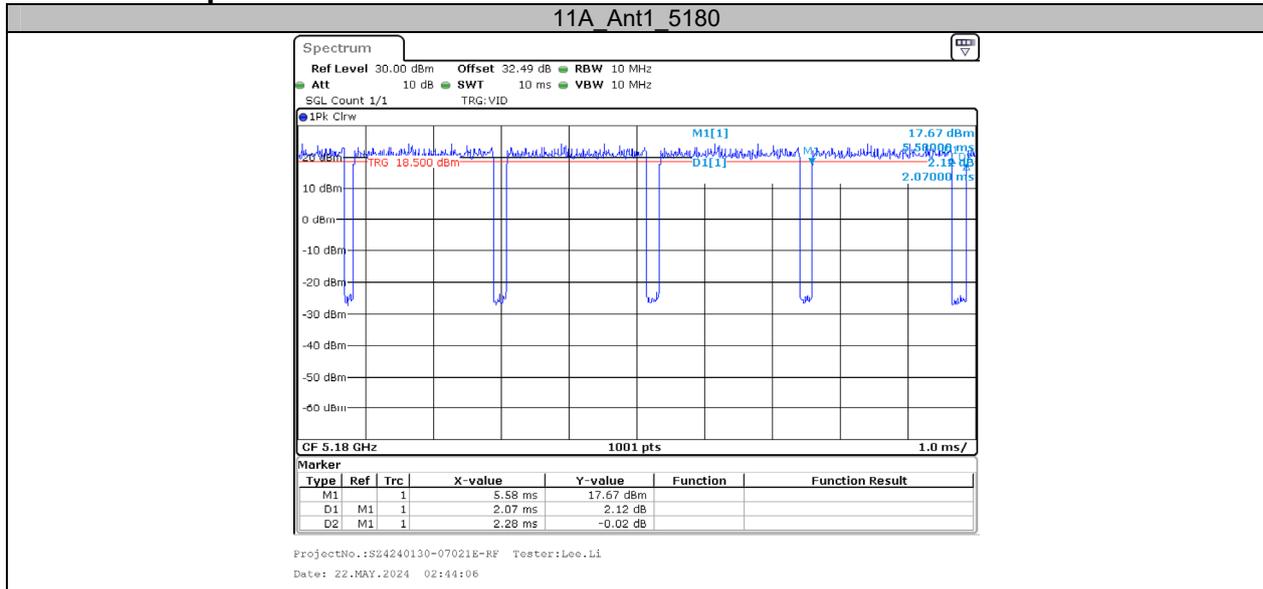


Appendix D: Duty Cycle

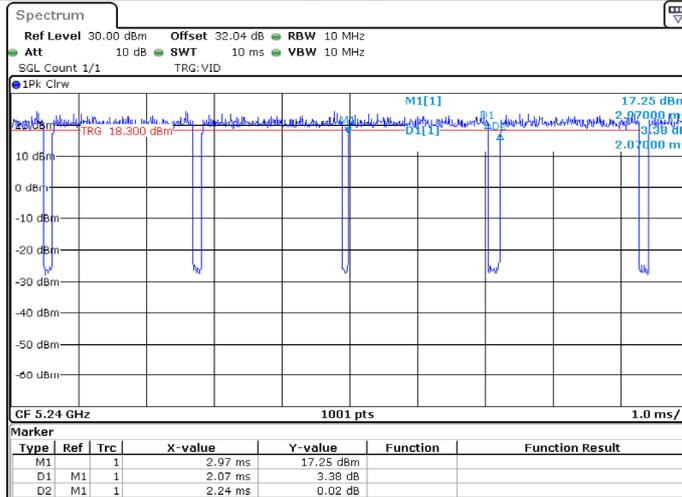
Test Result

| Test Mode | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | 1/T (Hz) | VBW Setting (kHz) |
|------------|---------|---------|----------------------------|--------------------------|----------------|----------|-------------------|
| 11A | Ant1 | 5180 | 2.07 | 2.28 | 90.79 | 483 | 0.5 |
| | | 5200 | 2.07 | 2.26 | 91.59 | 483 | 0.5 |
| | | 5240 | 2.07 | 2.24 | 92.41 | 483 | 0.5 |
| | | 5745 | 2.06 | 2.25 | 91.56 | 485 | 0.5 |
| | | 5785 | 2.06 | 2.28 | 90.35 | 485 | 0.5 |
| | | 5825 | 2.06 | 2.25 | 91.56 | 485 | 0.5 |
| 11AC20SISO | Ant1 | 5180 | 2.06 | 2.45 | 84.08 | 485 | 0.5 |
| | | 5200 | 2.06 | 2.54 | 81.10 | 485 | 0.5 |
| | | 5240 | 2.06 | 2.52 | 81.75 | 485 | 0.5 |
| | | 5745 | 2.06 | 2.56 | 80.47 | 485 | 0.5 |
| | | 5785 | 2.07 | 2.52 | 82.14 | 483 | 0.5 |
| | | 5825 | 2.06 | 2.55 | 80.78 | 485 | 0.5 |
| 11AC40SISO | Ant1 | 5190 | 2.07 | 2.51 | 82.47 | 483 | 0.5 |
| | | 5230 | 2.07 | 2.55 | 81.18 | 483 | 0.5 |
| | | 5755 | 2.07 | 2.50 | 82.80 | 483 | 0.5 |
| | | 5795 | 2.07 | 2.48 | 83.47 | 483 | 0.5 |

Test Graphs

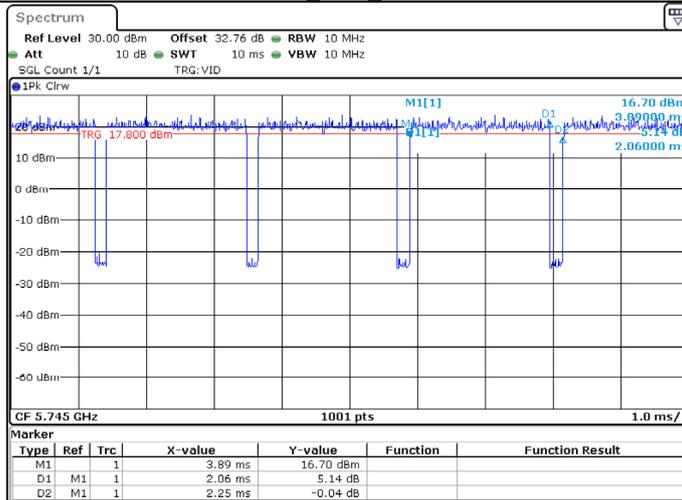


11A_Ant1_5240



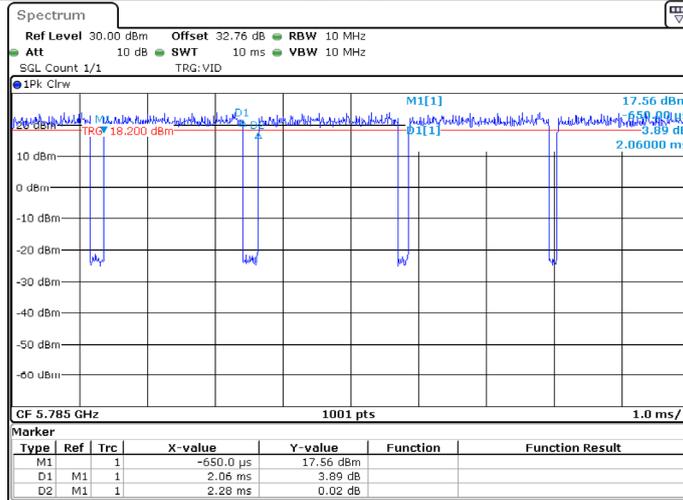
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 Date: 22.MAY.2024 02:51:08

11A_Ant1_5745



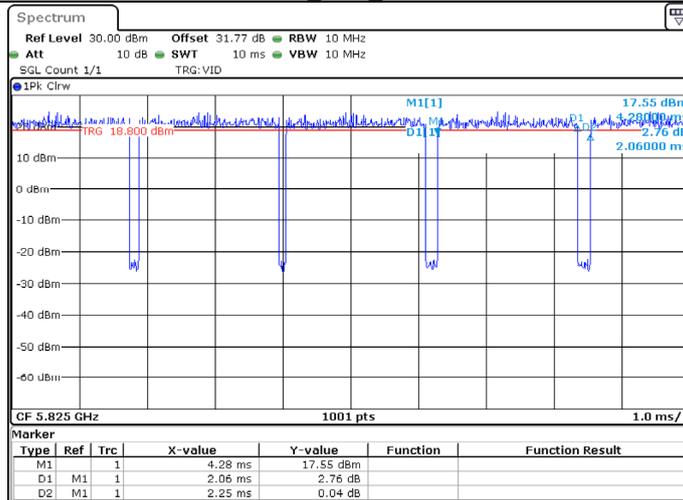
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11A_Ant1_5785



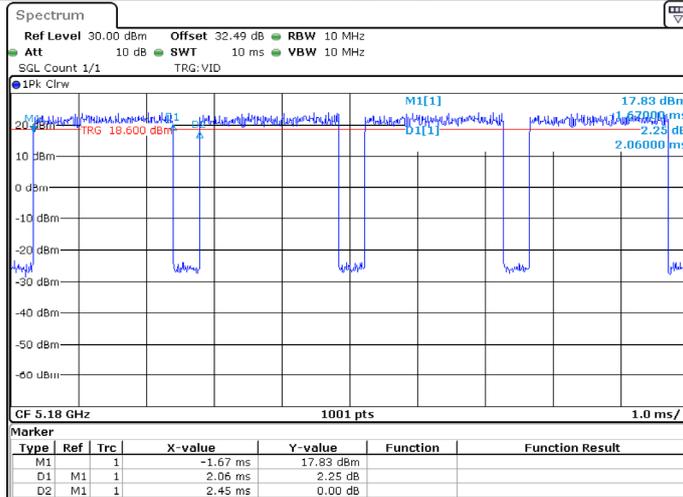
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11A_Ant1_5825



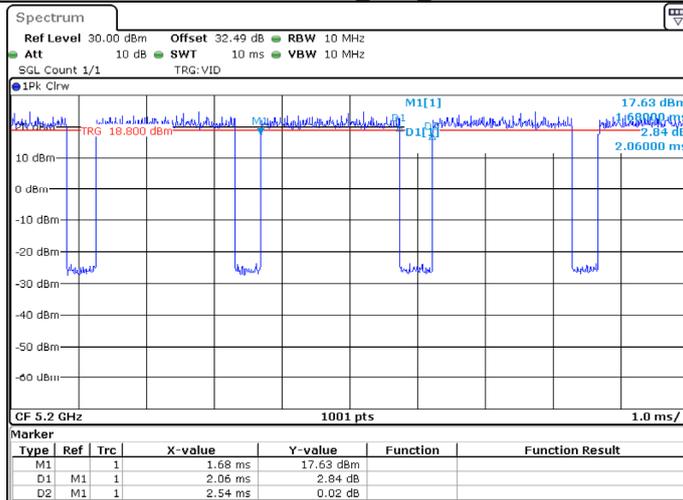
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11AC20SISO Ant1_5180



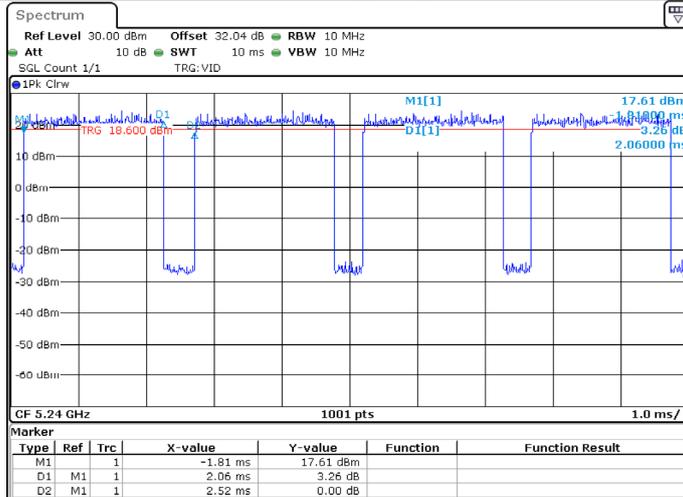
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11AC20SISO Ant1_5200



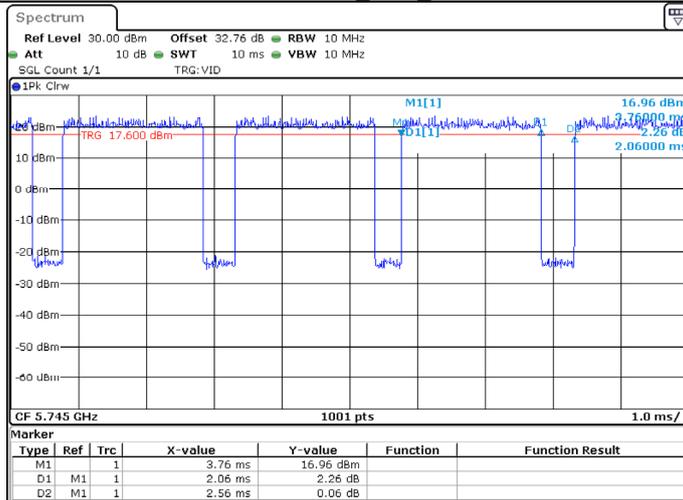
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11AC20SISO_Ant1_5240



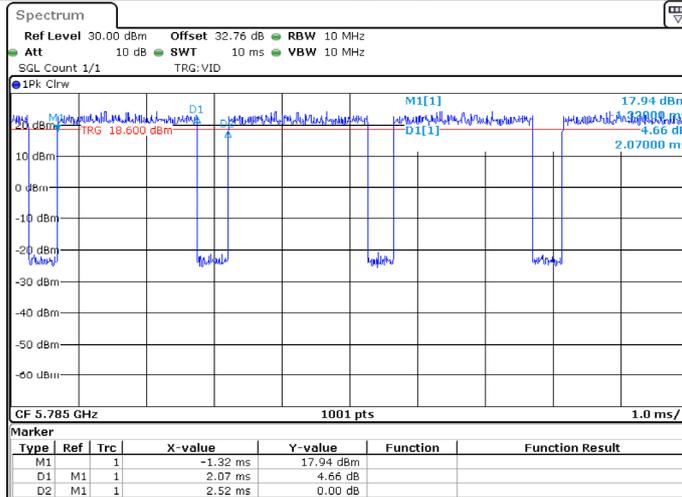
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 Date: 22.MAY.2024 03:04:21

11AC20SISO_Ant1_5745



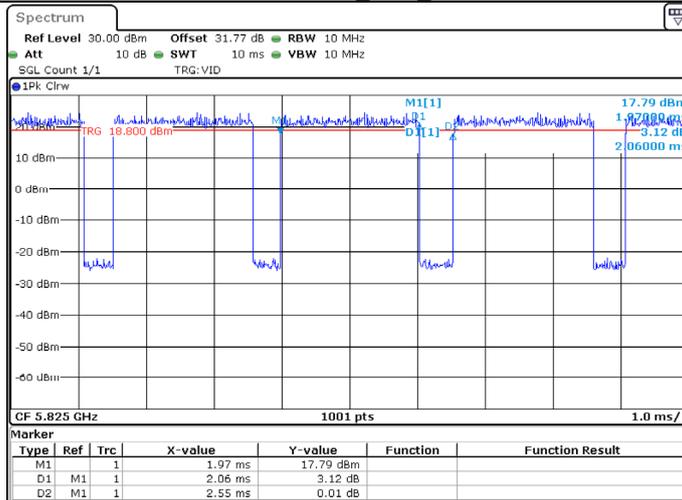
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 Date: 22.MAY.2024 03:09:10

11AC20SISO Ant1_5785



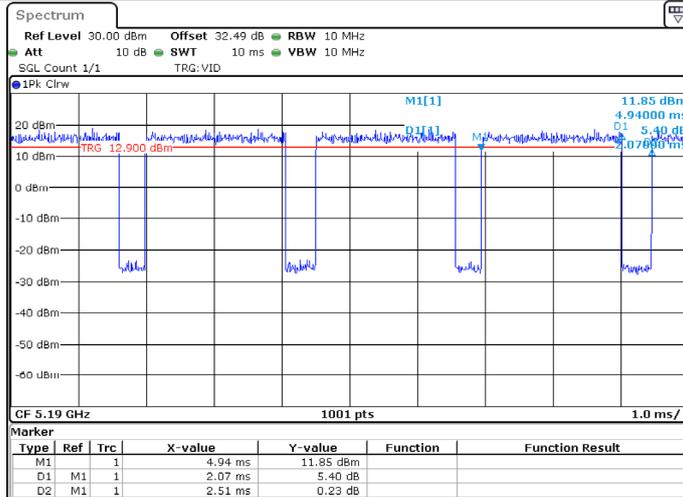
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11AC20SISO Ant1_5825



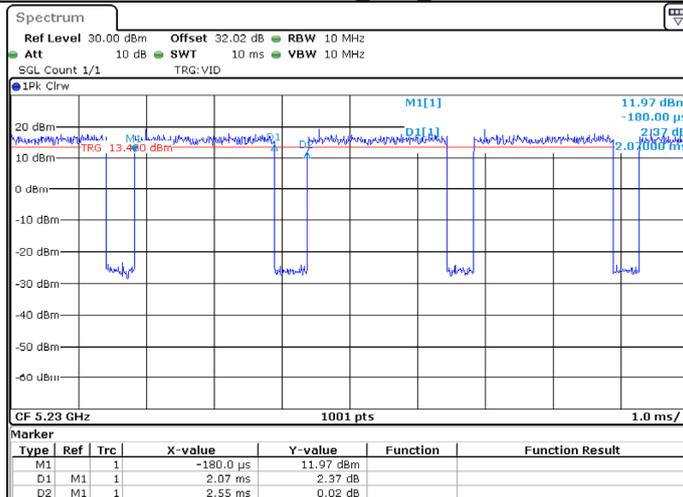
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11AC40SISO_Ant1_5190



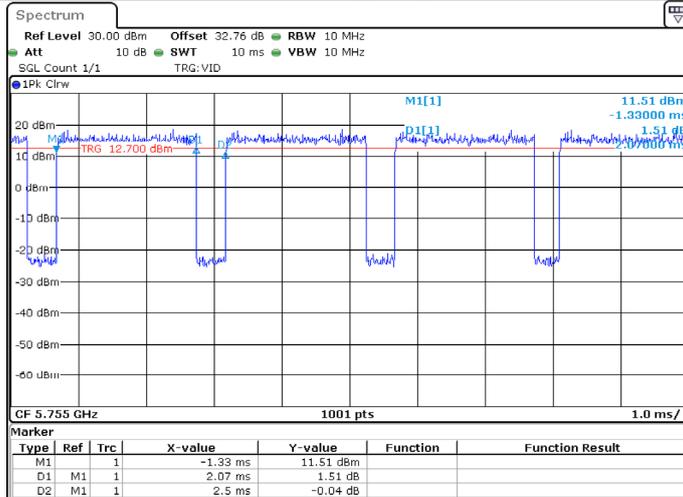
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11AC40SISO_Ant1_5230



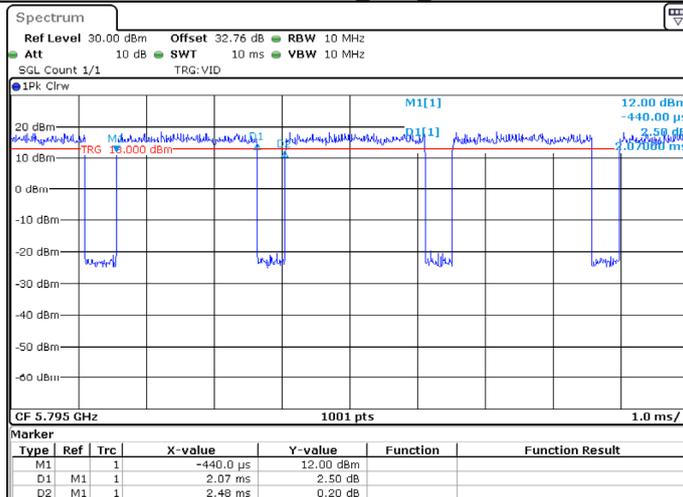
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11AC40SISO_Ant1_5755



ProjectNo.:SZ4240130-07021E-RF Tester:Lee.Li
 Date: 22.MAY.2024 03:18:52

11AC40SISO_Ant1_5795



ProjectNo.:SZ4240130-07021E-RF Tester:Lee.Li
 Date: 22.MAY.2024 03:22:10

***** END OF REPORT *****