# TEST REPORT

| | |
|---|---|
| **Application No.:** | SZCR2307002331AT |
| **Applicant:** | Icomera AB |
| **Address of Applicant:** | Odinsgatan 28, Gothenburg, SE-411 03, Sweden |
| **Manufacturer:** | Icomera AB |
| **Address of Manufacturer:** | Odinsgatan 28, Gothenburg, SE-411 03, Sweden |
| **Factory:** | Thundercomm Technology Co., Ltd |
| **Address of Factory:** | No. 107, Middle Datagu Road, Xiantao Street, Yubei District, Chongqing, China, 401122 |
| **Equipment Under Test (EUT):** | |
| **Type of Equipment/EUT name:** | Access Point |
| **Model Name:** | A2-i |
| **Type Number:** | CDE000831 |
| **Brand Name:** | ICOMERA |
| **HW Version:** | R1 |
| **SW Version:** | IWP5 |
| **FCC ID:** | 2AAC2-A2I |
| **Standard(s) :** | 47 CFR Part 15, Subpart E 15.407 |
| **Date of Receipt:** | 2024-04-19 |
| **Date of Test:** | 2024-04-20 to 2024-10-23 |
| **Date of Issue:** | 2024-10-24 |
| **Test Result:** | **Pass*** |

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

Keny Xu
EMC Laboratory Manager


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| Revision Record | | | | |
|---|---|---|---|---|
| **Version** | **Chapter** | **Date** | **Modifier** | **Remark** |
| 01 | | 2024-10-24 | | Original |
| | | | | |
| | | | | |

| | | | | |
|---|---|---|---|---|
| **Authorized for issue by:** | | | | |
| | | Calvin Weng<br>**Calvin Weng/Project Engineer** | | |
| | | Eric Fu<br>**Eric Fu/Reviewer** | | |

# 2 Test Summary

| Radio Spectrum Technical Requirement | | | | |
|---|---|---|---|---|
| **Item** | **Standard** | **Method** | **Requirement** | **Result** |
| Antenna Requirement | 47 CFR Part 15, Subpart E 15.407 | N/A | 47 CFR Part 15, Subpart C 15.203 | Pass |
| Transmission in the Absence of Data | | N/A | 47 CFR Part 15, Subpart E 15.407 (c) | Pass |

| Radio Spectrum Matter Part | | | | |
|---|---|---|---|---|
| **Item** | **Standard** | **Method** | **Requirement** | **Result** |
| Conducted Emissions at AC Power Line (150kHz-30MHz) | 47 CFR Part 15, Subpart E 15.407 | ANSI C63.10 (2013) Section 6.2 | 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9) | Pass |
| Duty Cycle | | ANSI C63.10 (2013) SECTION 12.2 | ANSI C63.10 (2013) SECTION 12.2 | Pass |
| 99% Bandwidth | | ANSI C63.10 (2013) Section 12.4.2 | ANSI C63.10 (2013) Section 12.4.2 | Pass |
| 26dB Emission bandwidth | | ANSI C63.10 (2013) Section 12.4.1 | 47 CFR Part 15, Subpart E 15.407 (a) | Pass |
| Maximum Conducted output power | | ANSI C63.10 (2013) Section 12.3 | 47 CFR Part 15, Subpart E 15.407 (a) | Pass |
| Peak Power spectrum density | | ANSI C63.10 (2013) Section 12.5 | 47 CFR Part 15, Subpart E 15.407 (a) | Pass |
| Radiated Emissions (Below 1GHz) | | ANSI C63.10 (2013) Section 6.4,6.5 | 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b) | Pass |
| Radiated Emissions (Above 1GHz) | | ANSI C63.10 (2013) Section 6.6 | 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b) | Pass |
| Radiated Emissions which fall in the restricted bands | | ANSI C63.10 (2013) Section 6.6 | 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b) | Pass |
| Frequency Stability | | ANSI C63.10 (2013) Section 6.8 | 47 CFR Part 15, Subpart E 15.407 (g) | Pass |
| In-band Emission(Emission Mask) | | ANSI C63.10 (2013) Section 12.5 | 47 CFR Part 15, Subpart E 15.407 (b) | Pass |
| Contention Based Protocol | | KDB 987597 D02 | 47 CFR Part 15, Subpart E 15.407 (d) | Pass |
| Transmitter Power Control | | ANSI C63.10 (2013) Section 12.3 | 47 CFR Part 15, Subpart E 15.407 (d)(10) | Pass |

Remark: All mode has been tested, only worst case of test data is recorded in the report.

# 3 Contents

# 4 General Information

## 4.1 Details of E.U.T.

| | |
|---|---|
| Product brief description: | Wireless Access Point, works as a mobile, high performance Wireless Access Point, foremost intended for rail |
| Power supply: | PoE Input: DC37-57V, 1.7A |
| Blockchain Verified QR Code: | |
| Type of Equipment/ EUT name: | Access Point |
| Model No.: | A2-i |
| Type Number: | CDE000831 |
| Brand Name: | ICOMERA |
| HW Version: | R1 |
| SW Version: | IWP5 |
| Cable Loss (for RF conducted test): | 1.5dB |
| Operation Frequency: | IEEE 802.11 ax/be(20/40/80/160/320): 5925 MHz ~ 6425 MHz<br>IEEE 802.11 ax/be(20/40/80/160): 6525 MHz ~ 6875 MHz |
| Number of channels: | 20MHz bandwidth: 41<br>40MHz bandwidth: 20<br>80MHz bandwidth: 10<br>160MHz bandwidth: 4<br>320MHz bandwidth: 2 |
| Modulation Type: | 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)<br>802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM,4096QAM) |
| Channel Spacing: | 802.11ax/be 20: 20MHz<br>802.11ax/be 40: 40MHz<br>802.11ax/be 80: 80MHz<br>802.11ax/be 160: 160MHz<br>802.11be 320: 320MHz |
| DFS Function: | Master |
| Antenna Type: | Integral Antenna |
| Antenna Gain: | U-NII-5: Ant1: 3.21dBi, Ant2: 3.04dBi, Ant3: 4.06dBi, Ant4: 4.36dBi<br>U-NII-7: Ant1: 1.99dBi, Ant2: 2.27dBi, Ant3: 3.35dBi, Ant4: 3.02dBi |
| Device Type: | VLP |

Remark:The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

## 4.2 Description of Support Units

| Description | Manufacturer | Model No. | Serial No. |
|---|---|---|---|
| -- | -- | -- | -- |
| The EUT has been tested as an independent unit. | | | |

## 4.3 Measurement Uncertainty

| Test Item | Measurement Uncertainty |
|---|---|
| Conducted Emissions at AC Power Line (150kHz-30MHz) | ± 3.1dB |
| Duty Cycle | ± 0.37% |
| 99% Bandwidth | ± 3% |
| 26dB Emission bandwidth | ± 3% |
| Minimum 6 dB bandwidth (5.725-5.85 GHz band ) | ± 3% |
| Maximum Conducted output power | ± 0.75dB |
| Peak Power spectrum density | ± 2.84dB |
| Radiated Emissions (Below 1GHz) | ± 6.0dB for 3m; ± 5.0dB for 10m |
| Radiated Emissions (Above 1GHz) | ± 4.6dB (1-18GHz);± 4.8dB (18-40GHz) |
| Radiated Emissions which fall in the restricted bands | ± 6.0dB (below 1GHz); ± 4.6dB (above 1GHz); |
| Frequency Stability | ± 7.25 x 10-8 |

## 4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

## 4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

**• A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

**• VCCI (Member No. 1937)**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

**• FCC –Designation Number: CN1336**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

**• Innovation, Science and Economic Development Canada**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

## 4.6 Deviation from Standards

None

## 4.7 Abnormalities from Standard Conditions

None

# 5 Equipment List

| Conducted Emissions at AC Power Line (150kHz-30MHz) | | | | | |
|---|---|---|---|---|---|
| **Equipment** | **Manufacturer** | **Model No.** | **Inventory No.** | **Cal Date** | **Cal Due Date** |
| Shielding Room | ZhongYu Electron | GB-88 | SEM001-06 | 2022-05-14 | 2025-05-13 |
| EMI Test Receiver | Rohde&Schwarz | ESCI | SEM004-02 | 2024-03-14 | 2025-03-13 |
| Matching Pad | N/A | N/A | SEM021-23 | 2024-03-20 | 2025-03-19 |
| Matching Pad | N/A | N/A | SEM021-24 | 2024-03-20 | 2025-03-19 |
| Measurement Software | AUDIX | e3 V8.2014-6-27a | N/A | N/A | N/A |
| Coaxial Cable | SGS | N/A | SEM024-01 | 2023-07-07<br>2024-07-06 | 2024-07-06<br>2025-07-05 |
| LISN | Rohde&Schwarz | ENV216 | SEM007-01 | 2023-09-19<br>2024-09-18 | 2024-09-18<br>2025-09-17 |
| LISN | ETS-LINDGREN | 3816/2 | SEM007-02 | 2024-03-14 | 2025-03-13 |

| RF conducted | | | | | |
|---|---|---|---|---|---|
| **Equipment** | **Manufacturer** | **Model No.** | **Inventory No.** | **Cal Date** | **Cal Due Date** |
| DC Power Supply | Chroma | 62012P-80-60 | SEM011-11 | 2023-10-19<br>2024-10-18 | 2024-10-18<br>2025-10-17 |
| MXA Signal Analyzer | KEYSIGHT | N9020A | SEM004-25 | 2024-03-19 | 2025-03-18 |
| Signal Generator | KEYSIGHT | N5173B | SEM006-05 | 2023-09-19<br>2024-09-18 | 2024-09-18<br>2025-09-17 |
| Measurement Software | TST PASS | TST PASS V2.0 | N/A | N/A | N/A |
| Coaxial Cable | SGS | N/A | SEM031-01 | 2023-07-07<br>2024-07-06 | 2024-07-06<br>2025-07-05 |
| Attenuator | Huber+Suhner | 6620_SMA-50-1 | SEM021-09 | 2024-03-30 | 2025-03-29 |
| Programmable Temperature & Humidity Chamber | Votsch Industrietechnik GmbH | VT 4002 | SEM002-15 | 2024-03-21 | 2025-03-20 |

| Radiated Emissions (Below 1GHz) | | | | | |
|---|---|---|---|---|---|
| **Equipment** | **Manufacturer** | **Model No.** | **Inventory No.** | **Cal Date** | **Cal Due Date** |
| Loop Antenna | ETS-Lindgren | 6502 | SEM003-08 | 2023-11-20 | 2025-11-19 |
| 3m Semi-Anechoic Chamber | ETS-LINDGREN | N/A | SEM001-01 | 2023-06-19 | 2026-06-18 |
| MXE EMI Receiver | Agilent Technologies | N9038A | SEM004-15 | 2023-10-19<br>2024-10-18 | 2024-10-18<br>2025-10-17 |
| BiConiLog Antenna | ETS-LINDGREN | 3142C | SEM003-01 | 2023-09-16 | 2025-09-15 |

| | | | | | |
|---|---|---|---|---|---|
| Pre-Amplifier | Agilent Technologies | 8447D | SEM005-01 | 2024-03-14 | 2025-03-13 |
| Measurement Software | AUDIX | e3 V8.2014-6-27 | N/A | N/A | N/A |
| Coaxial Cable | SGS | N/A | SEM025-01 | 2023-07-07<br>2024-07-06 | 2024-07-06<br>2025-07-05 |

**Radiated Emissions (Above 1GHz)**

| Equipment | Manufacturer | Model No. | Inventory No. | Cal Date | Cal Due Date |
|---|---|---|---|---|---|
| 3m Semi-Anechoic Chamber | AUDIX | N/A | SEM001-02 | 2023-04-01 | 2026-03-31 |
| Signal Analyzer | Rohde & Schwarz | FSV40 | SEM008-04 | 2024-03-15 | 2025-03-14 |
| Horn Antenna | Rohde&Schwarz | HF907 | SEM003-07 | 2023-07-23 | 2025-07-22 |
| Microwave system amplifier | Agilent | 83017A | SEM005-25 | 2023-09-19<br>2024-09-18 | 2024-09-18<br>2025-09-17 |
| Measurement Software | AUDIX | e3 V8.2014-6-27 | N/A | N/A | N/A |
| Coaxial Cable | SGS | N/A | SEM026-01 | 2023-07-07<br>2024-07-06 | 2024-07-06<br>2025-07-05 |

**Radiated Emissions which fall in the restricted bands**

| Equipment | Manufacturer | Model No. | Inventory No. | Cal Date | Cal Due Date |
|---|---|---|---|---|---|
| 3m Semi-Anechoic Chamber | AUDIX | N/A | SEM001-02 | 2023-04-01 | 2026-03-31 |
| Signal Analyzer | Rohde & Schwarz | FSV40 | SEM008-04 | 2024-03-15 | 2025-03-14 |
| Horn Antenna | Rohde&Schwarz | HF907 | SEM003-07 | 2023-07-23 | 2025-07-22 |
| Microwave system amplifier | Agilent | 83017A | SEM005-25 | 2023-09-19<br>2024-09-18 | 2024-09-18<br>2025-09-17 |
| Measurement Software | AUDIX | e3 V8.2014-6-27 | N/A | N/A | N/A |
| Coaxial Cable | SGS | N/A | SEM026-01 | 2023-07-07<br>2024-07-06 | 2024-07-06<br>2025-07-05 |

**General used equipment**

| Equipment | Manufacturer | Model No. | Inventory No. | Cal Date | Cal Due Date |
|---|---|---|---|---|---|
| Humidity/ Temperature Indicator | deli | 8838 | SEM002-32 | 2023-07-28<br>2024-07-27 | 2024-07-27<br>2025-07-26 |
| Humidity/ Temperature Indicator | deli | 8838 | SEM002-33 | 2023-07-28<br>2024-07-27 | 2024-07-27<br>2025-07-26 |
| Barometer | Changchun Meteorological Industry Factory | DYM3 | SEM002-01 | 2024-03-18 | 2025-03-17 |

# 6 Radio Spectrum Technical Requirement

## 6.1 Antenna Requirement

### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

### 6.1.2 Conclusion

Standard Requirement:

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 antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the U-NII-5: Ant1: 3.21dBi, Ant2: 3.04dBi, Ant3: 4.06dBi, Ant4: 4.36dBi, directional gain: 10.38dBi

U-NII-7: Ant1: 1.99dBi, Ant2: 2.27dBi, Ant3: 3.35dBi, Ant4: 3.02dBi, directional gain: 9.37dBi

Antenna location: Refer to internal photo.

## 6.2 Transmission in the Absence of Data

### 6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

### 6.2.2 Conclusion

Standard Requirement:

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals.

Applicants shall include in their application for equipment authorization a description of how this requirement is met.

EUT Details:

Wi-Fi chip support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.

# 7 Radio Spectrum Matter Test Results

## 7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

| Frequency of emission(MHz) | Conducted limit(dBμV) | |
|---|---|---|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |
| *Decreases with the logarithm of the frequency. | | |

### 7.1.1 E.U.T. Operation

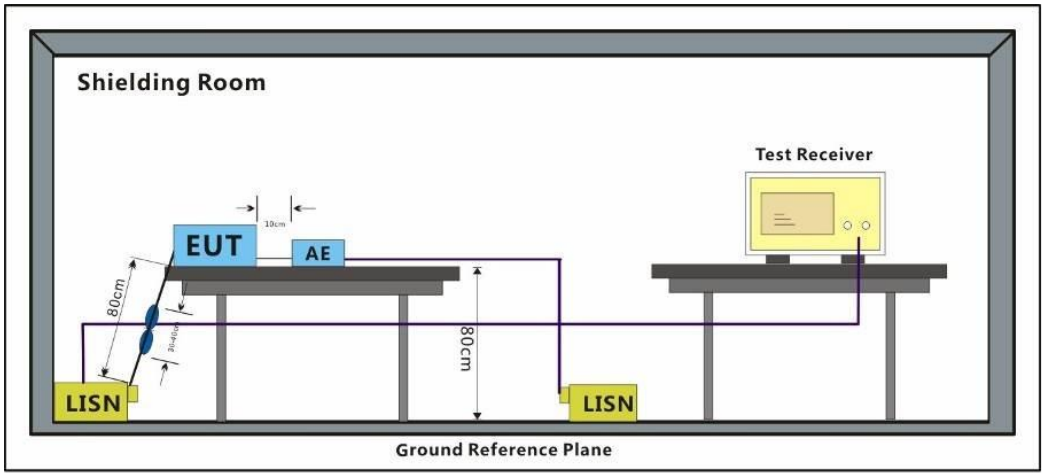
Operating Environment:

Temperature: 23.4 °C Humidity: 47.3 % RH Atmospheric Pressure: 1000 mbar

### 7.1.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|---|---|---|
| Final test | 07 | TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |
| Pre-scan | 09 | TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |

### 7.1.3 Test Setup Diagram




### 7.1.4 Measurement Procedure and Data

1) The mains terminal disturbance voltage test was conducted in a shielded room.

2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

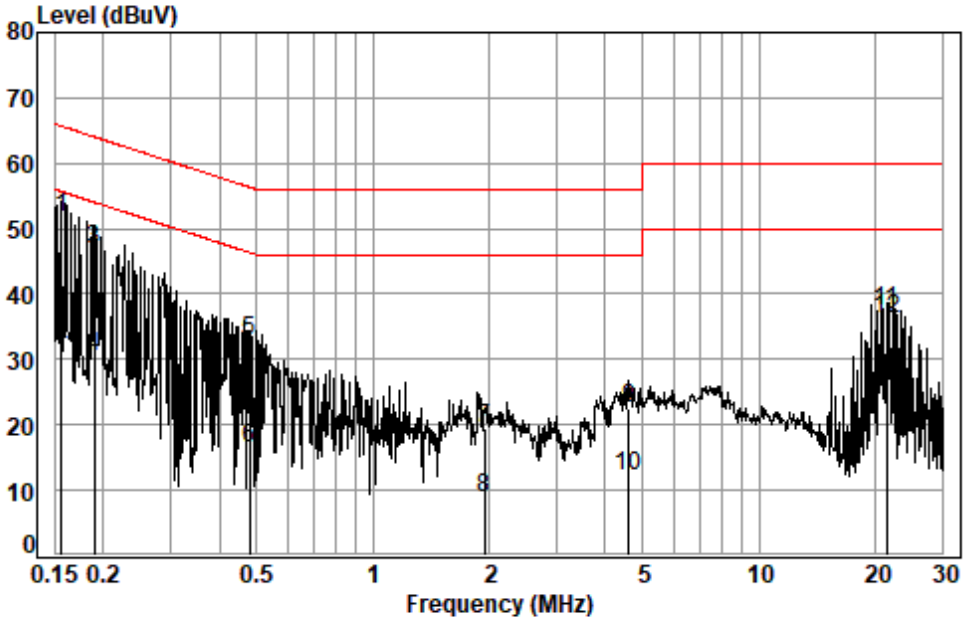
3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,

4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.

5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: Level=Read Level+ Cable Loss+ LISN Factor

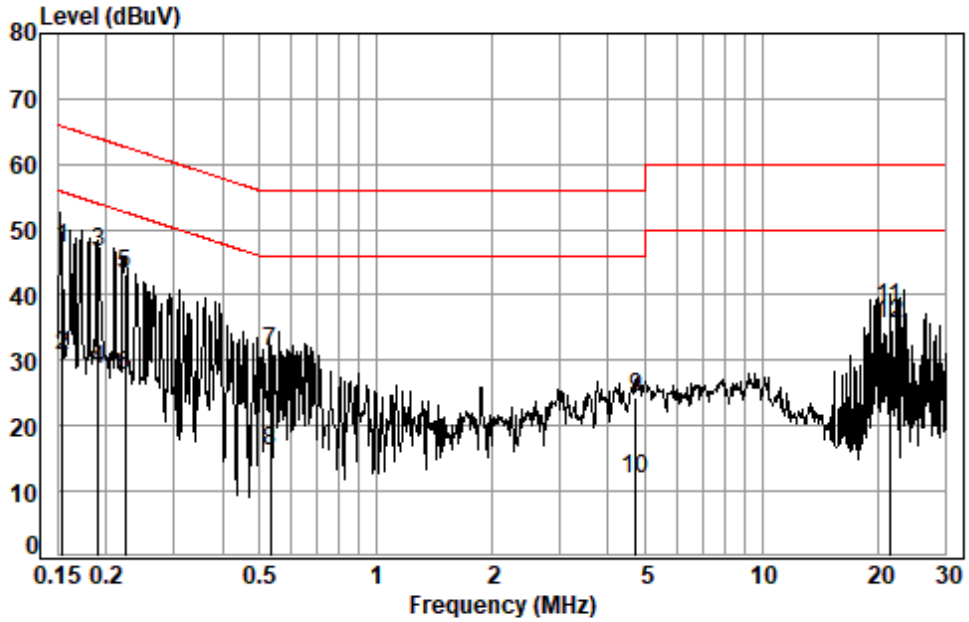
Test Mode: 07; Line: Live line




Site : Shielding Room
Condition: Line
Job No. : 02331AT/02332AT
Test mode: 07

| | | Freq | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dB | dB | dBuV | dBuV | dBuV | dB | |
| 1 | * | 0.1557 | 0.02 | 9.89 | 41.77 | 51.68 | 65.69 | -14.01 | QP |
| 2 | | 0.1557 | 0.02 | 9.89 | 22.46 | 32.37 | 55.69 | -23.32 | Average |
| 3 | | 0.1904 | 0.02 | 9.92 | 36.96 | 46.90 | 64.02 | -17.12 | QP |
| 4 | | 0.1904 | 0.02 | 9.92 | 20.38 | 30.32 | 54.02 | -23.70 | Average |
| 5 | | 0.4786 | 0.04 | 10.00 | 22.87 | 32.91 | 56.36 | -23.45 | QP |
| 6 | | 0.4786 | 0.04 | 10.00 | 6.31 | 16.35 | 46.36 | -30.01 | Average |
| 7 | | 1.9489 | 0.07 | 10.01 | 9.52 | 19.60 | 56.00 | -36.40 | QP |
| 8 | | 1.9489 | 0.07 | 10.01 | -1.30 | 8.78 | 46.00 | -37.22 | Average |
| 9 | | 4.5979 | 0.09 | 10.03 | 12.42 | 22.54 | 56.00 | -33.46 | QP |
| 10 | | 4.5979 | 0.09 | 10.03 | 1.98 | 12.10 | 46.00 | -33.90 | Average |
| 11 | | 21.3725 | 0.28 | 10.23 | 26.88 | 37.39 | 60.00 | -22.61 | QP |
| 12 | * | 21.3725 | 0.28 | 10.23 | 25.66 | 36.17 | 50.00 | -13.83 | Average |

Test Mode: 07; Line: Neautral line




Site : Shielding Room
Condition: Neutral
Job No. : 02331AT/02332AT
Test mode: 07

| | | Freq | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dB | dB | dBuV | dBuV | dBuV | dB | |
| 1 | | 0.1540 | 0.02 | 9.88 | 37.23 | 47.13 | 65.78 | -18.65 | QP |
| 2 | | 0.1540 | 0.02 | 9.88 | 20.88 | 30.78 | 55.78 | -25.00 | Average |
| 3 | * | 0.1914 | 0.02 | 9.91 | 36.51 | 46.44 | 63.98 | -17.54 | QP |
| 4 | | 0.1914 | 0.02 | 9.91 | 18.73 | 28.66 | 53.98 | -25.32 | Average |
| 5 | | 0.2244 | 0.03 | 9.92 | 33.33 | 43.28 | 62.66 | -19.38 | QP |
| 6 | | 0.2244 | 0.03 | 9.92 | 17.88 | 27.83 | 52.66 | -24.83 | Average |
| 7 | | 0.5322 | 0.04 | 9.94 | 21.38 | 31.36 | 56.00 | -24.64 | QP |
| 8 | | 0.5322 | 0.04 | 9.94 | 6.02 | 16.00 | 46.00 | -30.00 | Average |
| 9 | | 4.7213 | 0.09 | 10.00 | 14.12 | 24.21 | 56.00 | -31.79 | QP |
| 10 | | 4.7213 | 0.09 | 10.00 | 1.90 | 11.99 | 46.00 | -34.01 | Average |
| 11 | | 21.3725 | 0.28 | 10.31 | 27.54 | 38.13 | 60.00 | -21.87 | QP |
| 12 | * | 21.3725 | 0.28 | 10.31 | 25.06 | 35.65 | 50.00 | -14.35 | Average |

## 7.2 Duty Cycle

Test Requirement ANSI C63.10 (2013) SECTION 12.2
Test Method: ANSI C63.10 (2013) SECTION 12.2

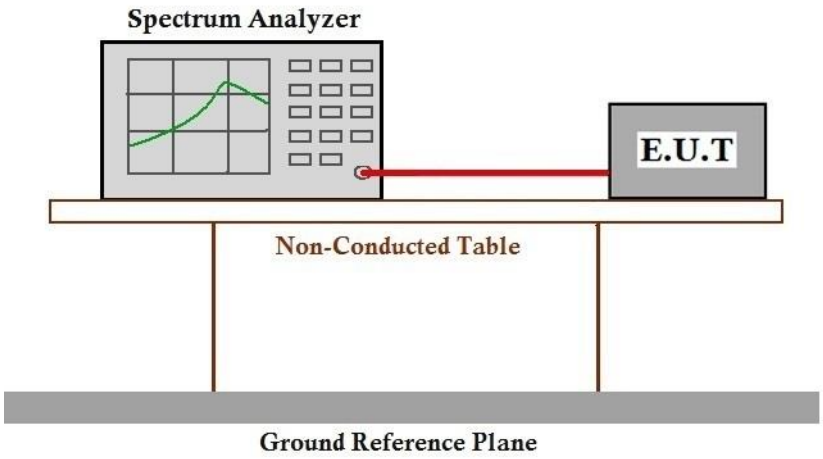
### 7.2.1 E.U.T. Operation

Operating Environment:
Temperature: 20 °C Humidity: 45 % RH Atmospheric Pressure: 1020 mbar

### 7.2.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|---|---|---|
| Final test | 07 | TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |
| Final test | 09 | TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |

### 7.2.3 Test Setup Diagram




### 7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details

## 7.3 99% Bandwidth

Test Requirement ANSI C63.10 (2013) Section 12.4.2
Test Method: ANSI C63.10 (2013) Section 12.4.2

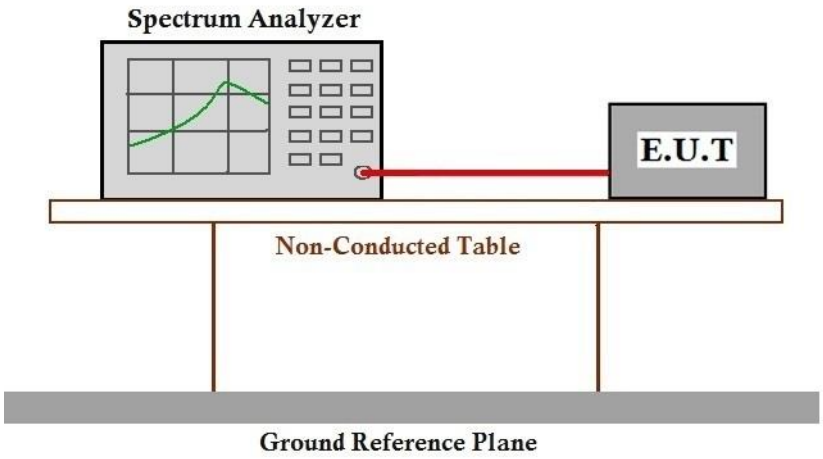
### 7.3.1 E.U.T. Operation

Operating Environment:
Temperature: 20 °C Humidity: 45 % RH Atmospheric Pressure: 1020 mbar

### 7.3.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|---|---|---|
| Final test | 07 | TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |
| Final test | 09 | TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |

### 7.3.3 Test Setup Diagram




### 7.3.4 Measurement Procedure and Data

Please Refer to Appendix for Details

## 7.4 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: ANSI C63.10 (2013) Section 12.4.1

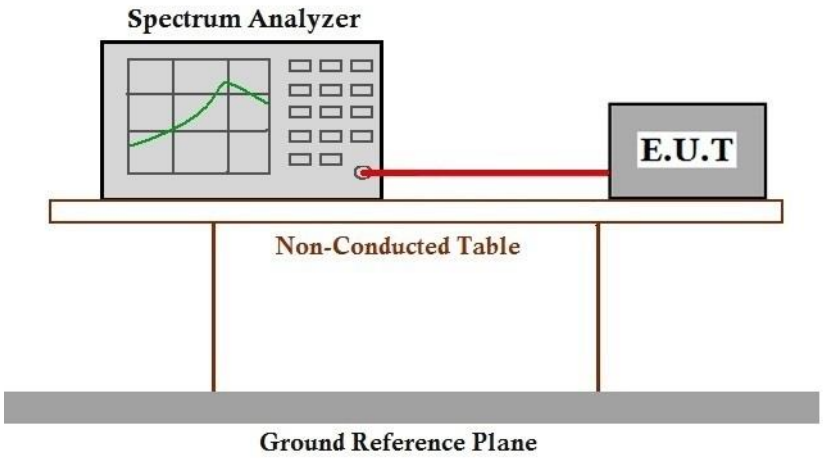
### 7.4.1 E.U.T. Operation

Operating Environment:
Temperature: 20 °C Humidity: 45 % RH Atmospheric Pressure: 1020 mbar

### 7.4.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|---|---|---|
| Final test | 07 | TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |
| Final test | 09 | TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |

### 7.4.3 Test Setup Diagram




### 7.4.4 Measurement Procedure and Data

Please Refer to Appendix for Details

## 7.5 Maximum Conducted output power

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: ANSI C63.10 (2013) Section 12.3

Limit:

| Device Type | EIRP Limit | EIRP PSD Limit |
|---|---|---|
| Standard power access point | ≤36 dBm | ≤23dBm/MHz |
| VLP Device | ≤14dBm | ≤-5dBm/MHz |

### 7.5.1 E.U.T. Operation

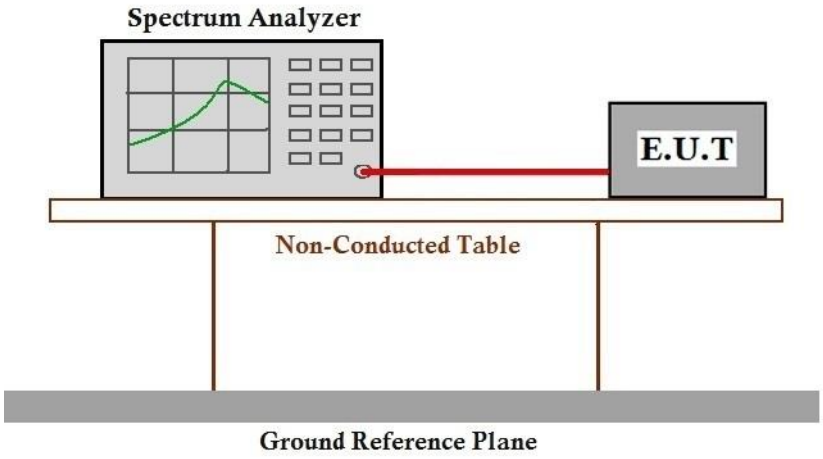
Operating Environment:

Temperature: 20 °C Humidity: 45 % RH Atmospheric Pressure: 1020 mbar

### 7.5.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|---|---|---|
| Final test | 07 | TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |
| Final test | 09 | TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |

### 7.5.3 Test Setup Diagram




### 7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details

## 7.6 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: ANSI C63.10 (2013) Section 12.5

Limit:

| Device Type | EIRP Limit | EIRP PSD Limit |
|---|---|---|
| Standard power access point | ≤36 dBm | ≤23dBm/MHz |
| VLP Device | 14dBm | ≤-5dBm/MHz |

### 7.6.1 E.U.T. Operation

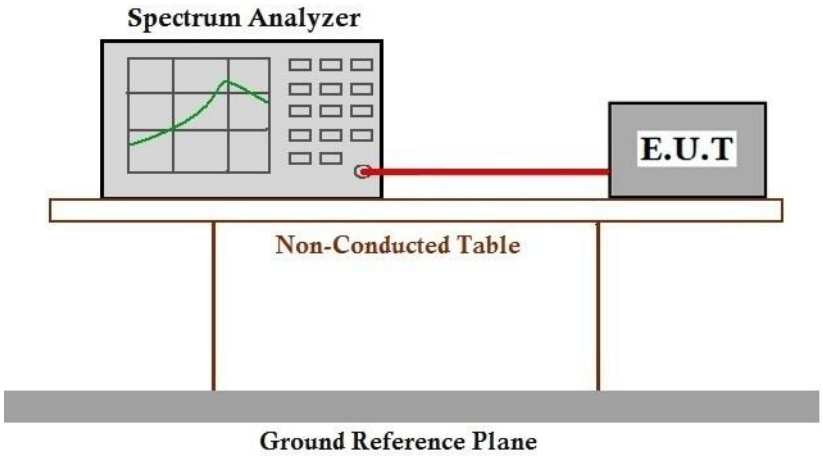
Operating Environment:

Temperature: 20 °C Humidity: 45 % RH Atmospheric Pressure: 1020 mbar

### 7.6.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|---|---|---|
| Final test | 07 | TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |
| Final test | 09 | TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |

### 7.6.3 Test Setup Diagram




### 7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

## 7.7 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
Test Method: ANSI C63.10 (2013) Section 6.4,6.5
Measurement Distance: 3m

Limit:

| Frequency(MHz) | Field strength(microvolts/meter) | Measurement distance(meters) |
|---|---|---|
| 0.009-0.490 | 2400/F(kHz) | 300 |
| 0.490-1.705 | 24000/F(kHz) | 30 |
| 1.705-30.0 | 30 | 30 |
| 30-88 | 100 | 3 |
| 88-216 | 150 | 3 |
| 216-960 | 200 | 3 |
| 960-1000 | 500 | 3 |

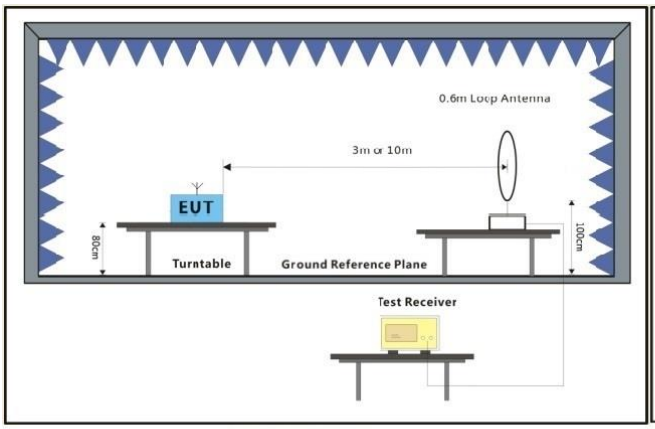
### 7.7.1 E.U.T. Operation

Operating Environment:
Temperature: 24.2 °C Humidity: 47.3 % RH Atmospheric Pressure: 995 mbar

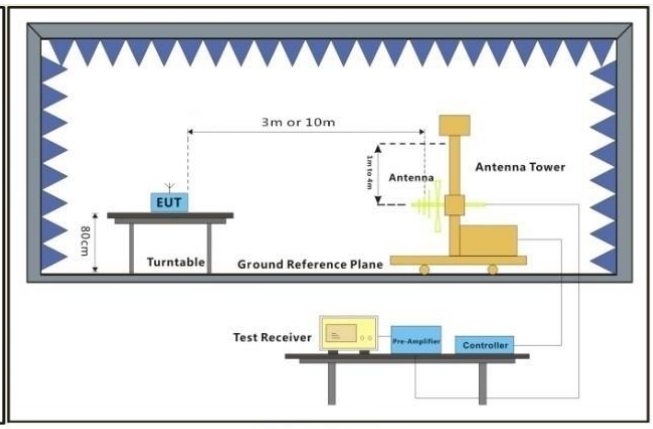
### 7.7.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|---|---|---|
| Final test | 07 | TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |
| Pre-scan | 09 | TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |

### 7.7.3 Test Setup Diagram




Below 30MHz




30MHz-1GHz

### 7.7.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

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

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

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

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

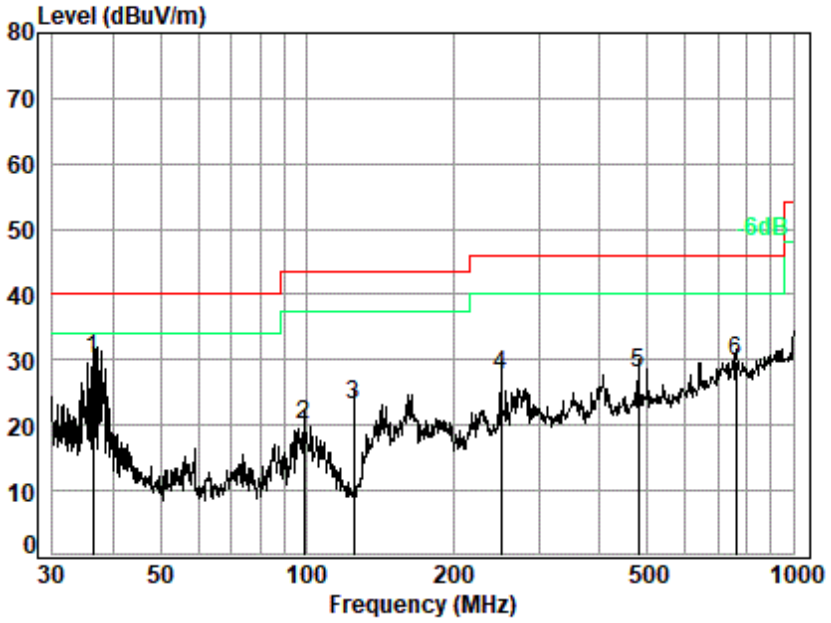
Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.

3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

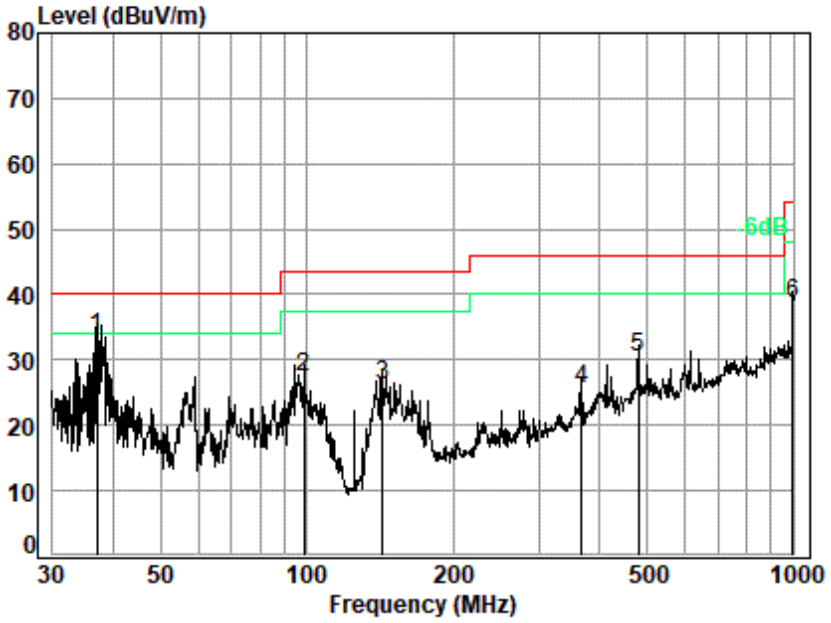
Test Mode: 07; Polarity: Horizontal




Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02331AT/02332AT
Test Mode: 07
: Internal

| | Freq | Ant Factor | Cable Loss | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB/m | dB | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 q | 36.25 | 18.17 | 0.71 | 27.77 | 38.97 | 30.08 | 40.00 | -9.92 | QP |
| 2 | 98.49 | 12.22 | 1.18 | 27.59 | 34.38 | 20.19 | 43.50 | -23.31 | QP |
| 3 | 125.01 | 10.98 | 1.33 | 27.48 | 38.32 | 23.15 | 43.50 | -20.35 | QP |
| 4 | 250.30 | 17.24 | 1.95 | 26.96 | 35.46 | 27.69 | 46.00 | -18.31 | QP |
| 5 | 480.53 | 22.75 | 2.82 | 27.48 | 29.97 | 28.06 | 46.00 | -17.94 | QP |
| 6 | 760.70 | 26.47 | 3.70 | 27.58 | 27.08 | 29.67 | 46.00 | -16.33 | QP |

Test Mode: 07; Polarity: Vertical




Site : chamber
Condition: 3m VERTICAL
Job No. : 02331AT/02332AT
Test Mode: 07
: Internal

| | Freq | Ant Factor | Cable Loss | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB/m | dB | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 q | 37.02 | 17.74 | 0.72 | 27.77 | 42.91 | 33.60 | 40.00 | -6.40 | QP |
| 2 | 98.49 | 12.22 | 1.18 | 27.59 | 41.54 | 27.35 | 43.50 | -16.15 | QP |
| 3 | 143.33 | 12.19 | 1.42 | 27.41 | 40.08 | 26.28 | 43.50 | -17.22 | QP |
| 4 | 366.82 | 20.35 | 2.42 | 27.02 | 29.70 | 25.45 | 46.00 | -20.55 | QP |
| 5 | 480.53 | 22.75 | 2.82 | 27.48 | 32.23 | 30.32 | 46.00 | -15.68 | QP |
| 6 | 996.50 | 28.18 | 4.34 | 26.08 | 32.08 | 38.52 | 54.00 | -15.48 | QP |

## 7.8 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
Test Method: ANSI C63.10 (2013) Section 6.6
Measurement Distance: 3m

Limit:

| Frequency(MHz) | Field strength(microvolts/meter) | Measurement distance(meters) |
|---|---|---|
| Above 1GHz | 500 | 3 |

1. Any emission outside the 5925-7125 MHz frequency band shall not exceed −27 dBm/MHz e.i.r.p. spectral density

2. For transmitters operating within the 5.925–7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

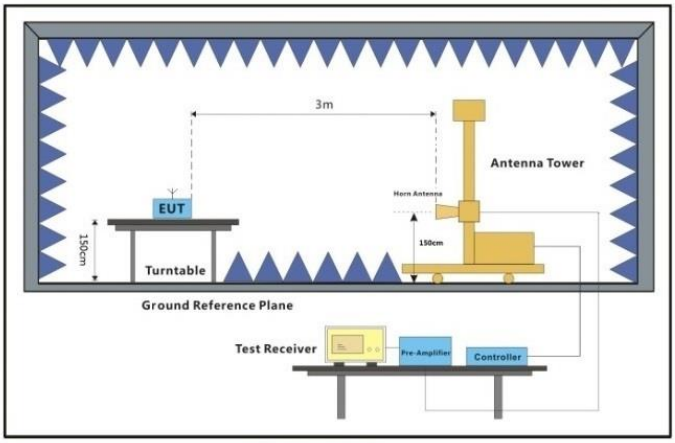
### 7.8.1 E.U.T. Operation

Operating Environment:
Temperature: 24.2 °C Humidity: 55.0 % RH Atmospheric Pressure: 995 mbar

### 7.8.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|---|---|---|
| Final test | 07 | TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |
| Final test | 09 | TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |

### 7.8.3 Test Setup Diagram




Above 1GHz

### 7.8.4 Measurement Procedure and Data

a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

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

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

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

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

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

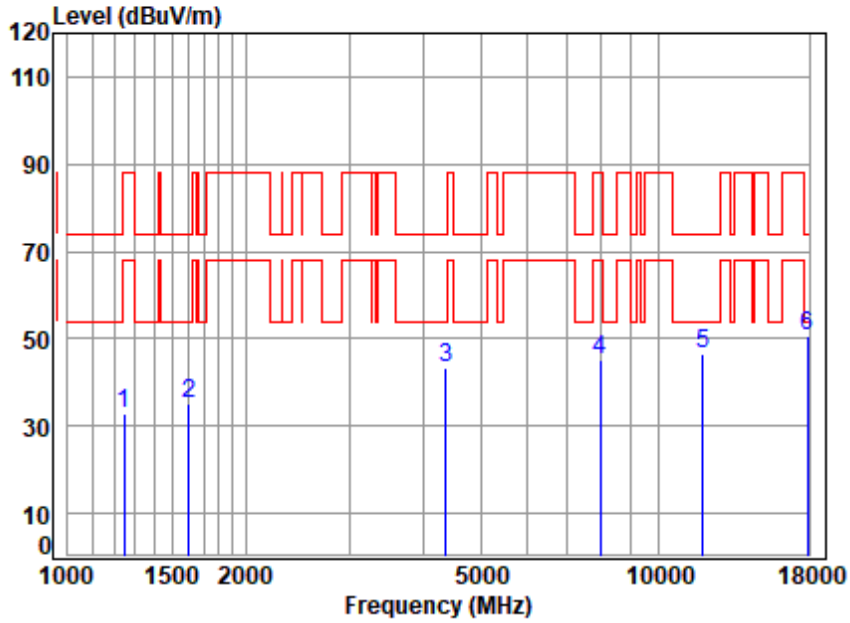
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.

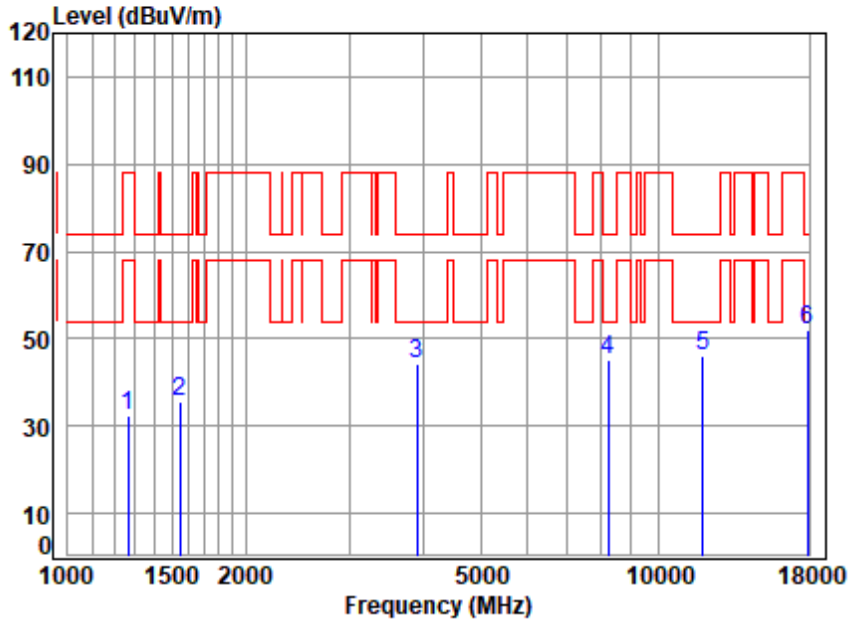
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 5955 TX RSE
Note : 6E WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1245.663 | 3.74 | 25.04 | 61.57 | 65.82 | 33.03 | 88.20 | -55.17 | peak |
| 2 | 1601.804 | 4.19 | 26.78 | 61.69 | 66.07 | 35.35 | 74.00 | -38.65 | peak |
| 3 | 4367.058 | 7.10 | 34.54 | 61.51 | 63.10 | 43.23 | 74.00 | -30.77 | peak |
| 4 | 7989.893 | 9.02 | 36.40 | 61.64 | 61.58 | 45.36 | 88.20 | -42.84 | peak |
| 5 | 11910.000 | 11.96 | 37.71 | 62.71 | 59.52 | 46.48 | 74.00 | -27.52 | peak |
| 6 | p17865.000 | 15.32 | 43.90 | 61.02 | 52.23 | 50.43 | 74.00 | -23.57 | peak |

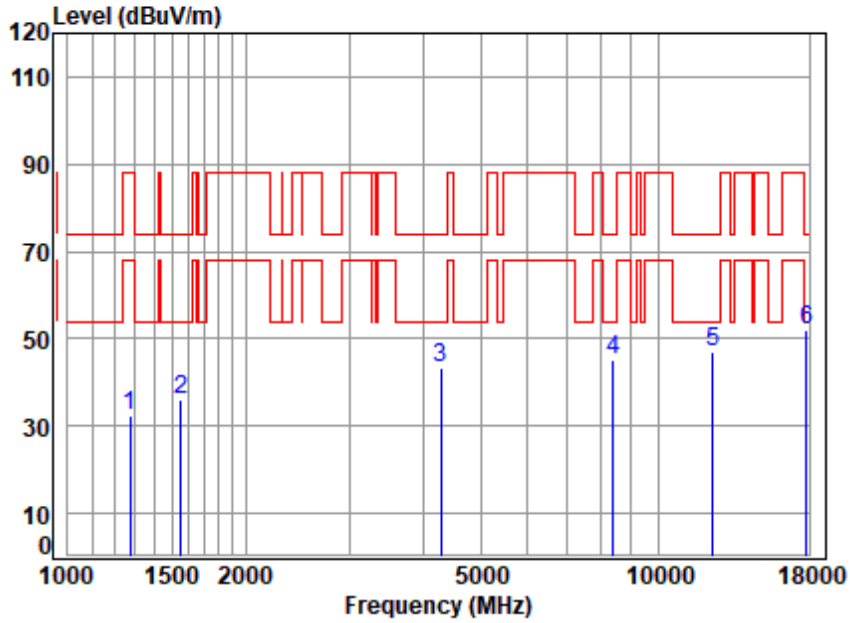
Test Mode: 07; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 5955 TX RSE
Note : 6E WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1263.796 | 3.77 | 25.02 | 61.58 | 65.35 | 32.56 | 88.20 | -55.64 | peak |
| 2 | 1547.199 | 4.11 | 26.99 | 61.67 | 66.27 | 35.70 | 74.00 | -38.30 | peak |
| 3 | 3901.516 | 6.63 | 33.79 | 61.19 | 64.93 | 44.16 | 74.00 | -29.84 | peak |
| 4 | 8224.200 | 9.26 | 36.65 | 61.72 | 61.15 | 45.34 | 74.00 | -28.66 | peak |
| 5 | 11910.000 | 11.96 | 37.71 | 62.71 | 59.15 | 46.11 | 74.00 | -27.89 | peak |
| 6 | p17865.000 | 15.32 | 43.90 | 61.02 | 53.95 | 52.15 | 74.00 | -21.85 | peak |

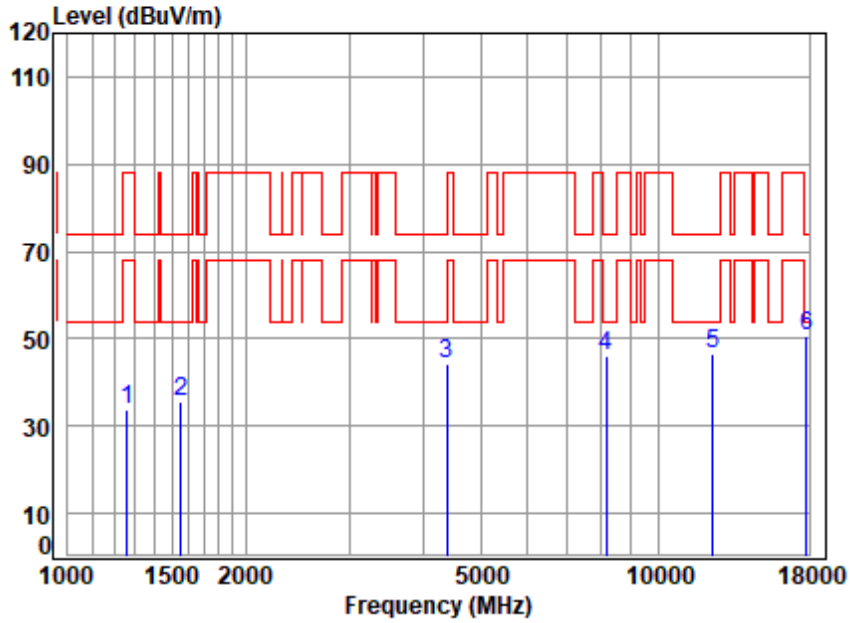
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6175 TX RSE
Note : 6E WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1274.802 | 3.78 | 24.95 | 61.58 | 65.34 | 32.49 | 88.20 | -55.71 | peak |
| 2 | 1551.677 | 4.12 | 26.99 | 61.67 | 66.72 | 36.16 | 74.00 | -37.84 | peak |
| 3 | 4291.977 | 7.01 | 33.97 | 61.44 | 63.64 | 43.18 | 74.00 | -30.82 | peak |
| 4 | 8392.292 | 9.42 | 36.70 | 61.77 | 60.60 | 44.95 | 74.00 | -29.05 | peak |
| 5 | 12350.000 | 12.02 | 37.90 | 62.71 | 59.71 | 46.92 | 74.00 | -27.08 | peak |
| 6 | p17793.090 | 15.23 | 43.89 | 61.09 | 53.84 | 51.87 | 74.00 | -22.13 | peak |

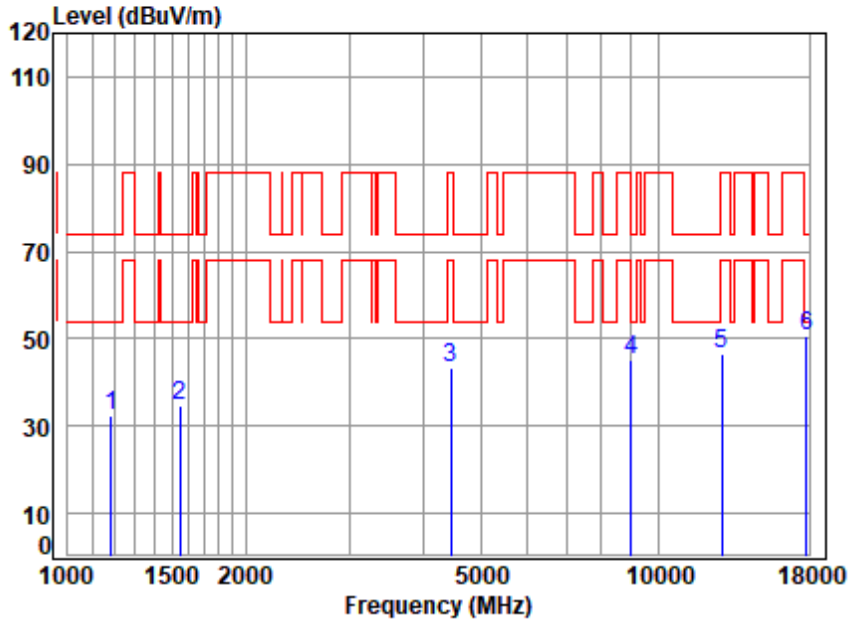
Test Mode: 07; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6175 TX RSE
Note : 6E WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1260.149 | 3.76 | 25.04 | 61.58 | 66.66 | 33.88 | 88.20 | -54.32 | peak |
| 2 | 1551.677 | 4.12 | 26.99 | 61.67 | 66.00 | 35.44 | 74.00 | -38.56 | peak |
| 3 | 4379.699 | 7.11 | 34.64 | 61.52 | 63.82 | 44.05 | 74.00 | -29.95 | peak |
| 4 | 8153.195 | 9.19 | 36.51 | 61.69 | 62.16 | 46.17 | 74.00 | -27.83 | peak |
| 5 | 12350.000 | 12.02 | 37.90 | 62.71 | 59.52 | 46.73 | 74.00 | -27.27 | peak |
| 6 | p17793.090 | 15.23 | 43.89 | 61.09 | 52.43 | 50.46 | 74.00 | -23.54 | peak |

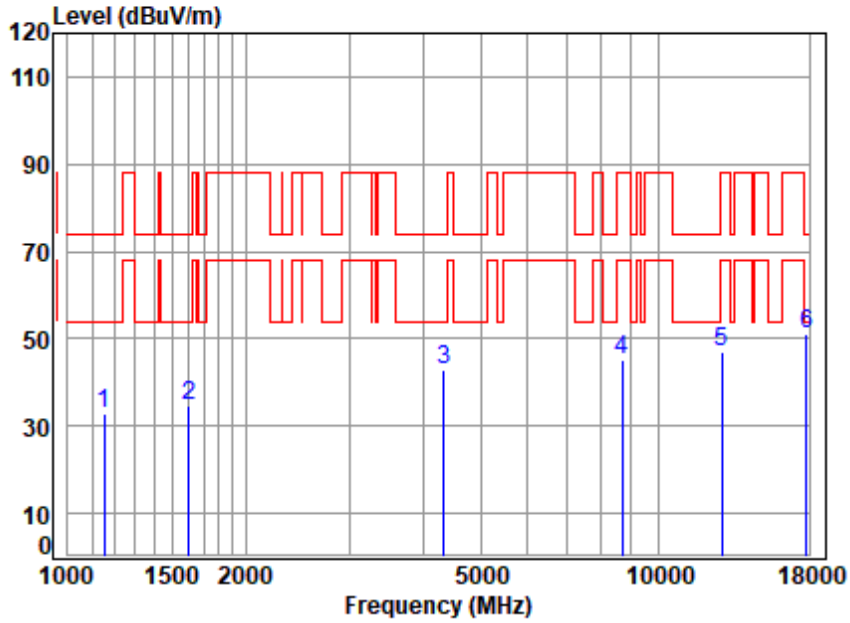
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6145 TX RSE
Note : 6E WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1185.936 | 3.66 | 24.26 | 61.55 | 66.10 | 32.47 | 74.00 | -41.53 | peak |
| 2 | 1547.199 | 4.11 | 26.99 | 61.67 | 65.12 | 34.55 | 74.00 | -39.45 | peak |
| 3 | 4456.315 | 7.20 | 34.12 | 61.59 | 63.60 | 43.33 | 88.20 | -44.87 | peak |
| 4 | 8995.123 | 9.92 | 36.91 | 61.97 | 60.39 | 45.25 | 88.20 | -42.95 | peak |
| 5 | 12830.000 | 12.16 | 38.13 | 62.68 | 59.05 | 46.66 | 88.20 | -41.54 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.41 | 50.56 | 74.00 | -23.44 | peak |

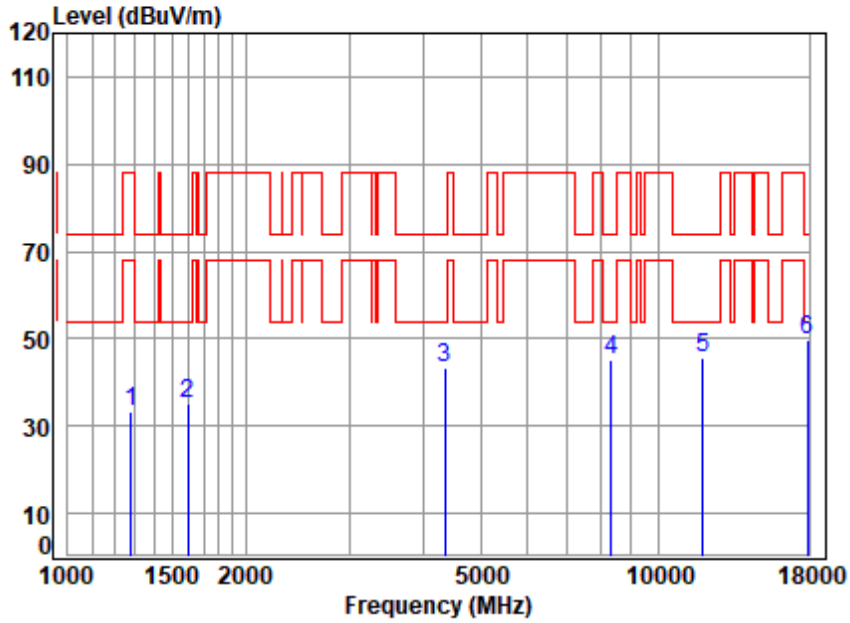
Test Mode: 07; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6145 TX RSE
Note : 6E WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1152.148 | 3.62 | 23.92 | 61.54 | 66.82 | 32.82 | 74.00 | -41.18 | peak |
| 2 | 1601.804 | 4.19 | 26.78 | 61.69 | 65.57 | 34.85 | 74.00 | -39.15 | peak |
| 3 | 4341.886 | 7.07 | 34.34 | 61.49 | 63.06 | 42.98 | 74.00 | -31.02 | peak |
| 4 | 8688.480 | 9.68 | 36.90 | 61.87 | 60.55 | 45.26 | 88.20 | -42.94 | peak |
| 5 | 12830.000 | 12.16 | 38.13 | 62.68 | 59.21 | 46.82 | 88.20 | -41.38 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.72 | 50.87 | 74.00 | -23.13 | peak |

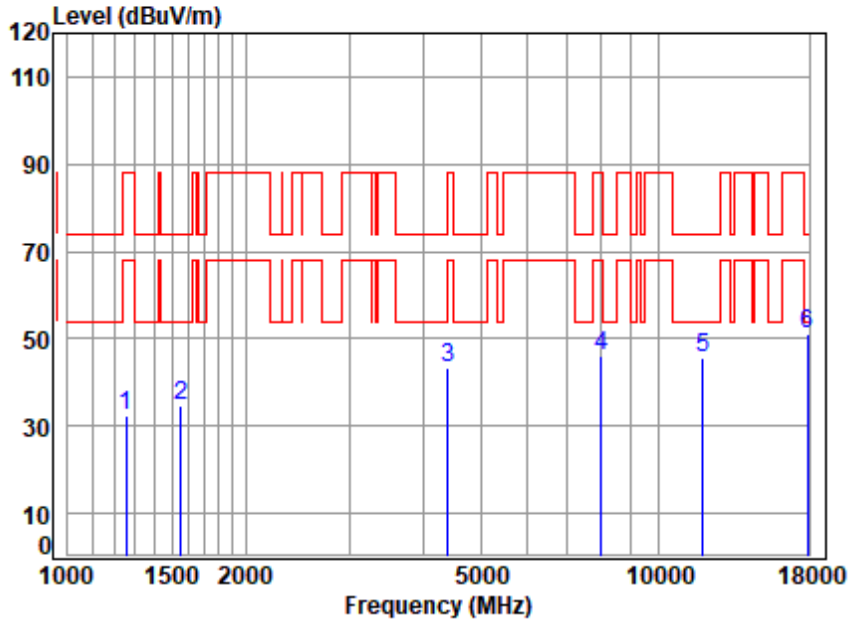
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ax(52 RU); Bandwidth:20MHz; Channel:Low




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 5955 TX RSE
Note : 6E WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1278.492 | 3.78 | 24.93 | 61.58 | 66.06 | 33.19 | 88.20 | -55.01 | peak |
| 2 | 1597.181 | 4.18 | 26.81 | 61.69 | 65.71 | 35.01 | 74.00 | -38.99 | peak |
| 3 | 4354.454 | 7.08 | 34.44 | 61.50 | 63.18 | 43.20 | 74.00 | -30.80 | peak |
| 4 | 8319.836 | 9.35 | 36.70 | 61.75 | 60.91 | 45.21 | 74.00 | -28.79 | peak |
| 5 | 11910.000 | 11.96 | 37.71 | 62.71 | 58.80 | 45.76 | 74.00 | -28.24 | peak |
| 6 | p17865.000 | 15.32 | 43.90 | 61.02 | 51.66 | 49.86 | 74.00 | -24.14 | peak |

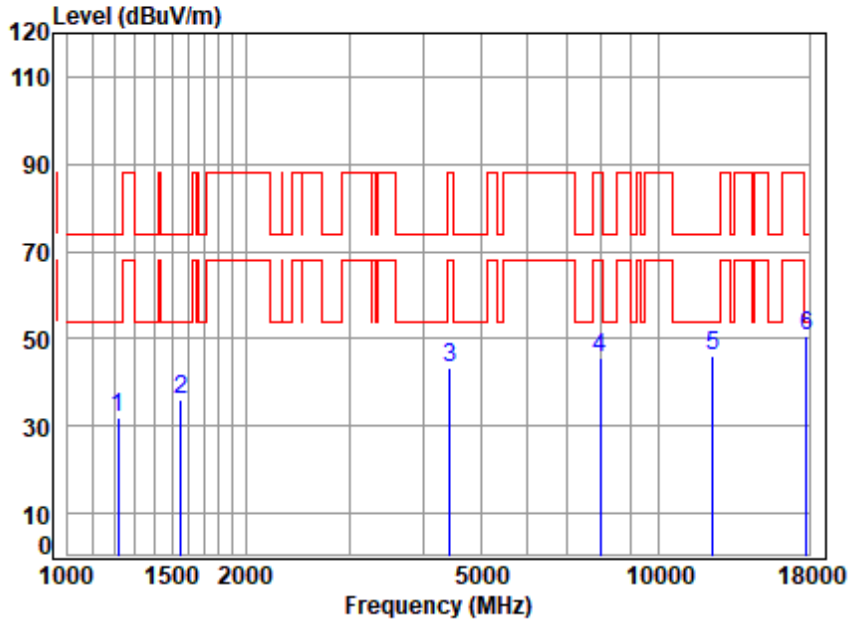
Test Mode: 07; Polarity: Vertical; Modulation:802.11ax(52 RU); Bandwidth:20MHz; Channel:Low




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 5955 TX RSE
Note : 6E WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1256.512 | 3.76 | 25.06 | 61.58 | 65.26 | 32.50 | 88.20 | -55.70 | peak |
| 2 | 1556.169 | 4.12 | 26.98 | 61.67 | 65.39 | 34.82 | 74.00 | -39.18 | peak |
| 3 | 4405.090 | 7.14 | 34.74 | 61.55 | 62.85 | 43.18 | 88.20 | -45.02 | peak |
| 4 | 8013.020 | 9.04 | 36.40 | 61.64 | 62.13 | 45.93 | 88.20 | -42.27 | peak |
| 5 | 11910.000 | 11.96 | 37.71 | 62.71 | 58.69 | 45.65 | 74.00 | -28.35 | peak |
| 6 | p17865.000 | 15.32 | 43.90 | 61.02 | 52.75 | 50.95 | 74.00 | -23.05 | peak |

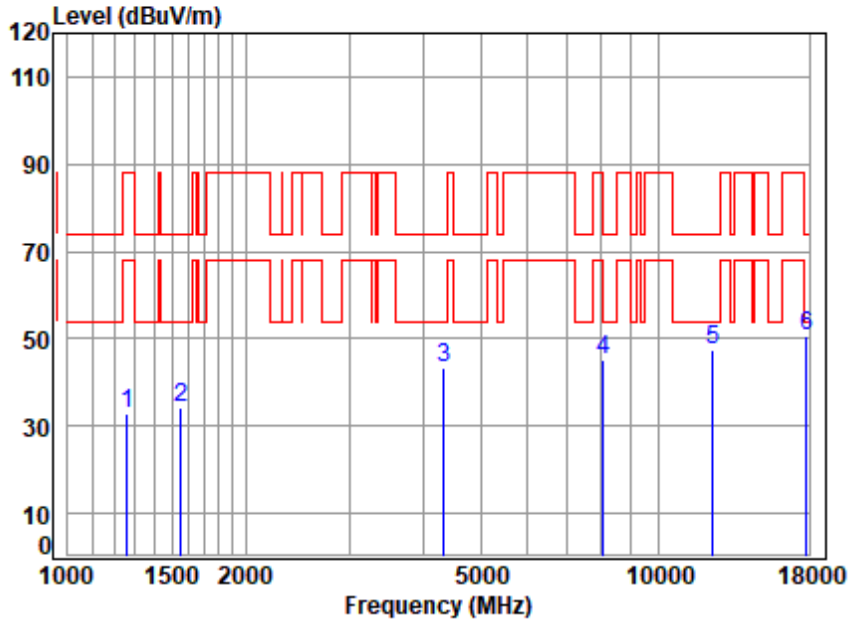
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ax(52 RU); Bandwidth:20MHz; Channel:middle




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6175 TX RSE
Note : 6E WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1217.190 | 3.71 | 24.64 | 61.56 | 65.33 | 32.12 | 74.00 | -41.88 | peak |
| 2 | 1556.169 | 4.12 | 26.98 | 61.67 | 66.68 | 36.11 | 74.00 | -37.89 | peak |
| 3 | 4443.453 | 7.19 | 34.28 | 61.58 | 63.66 | 43.55 | 88.20 | -44.65 | peak |
| 4 | 7989.893 | 9.02 | 36.40 | 61.64 | 62.05 | 45.83 | 88.20 | -42.37 | peak |
| 5 | 12350.000 | 12.02 | 37.90 | 62.71 | 58.91 | 46.12 | 74.00 | -27.88 | peak |
| 6 | p17793.090 | 15.23 | 43.89 | 61.09 | 52.41 | 50.44 | 74.00 | -23.56 | peak |

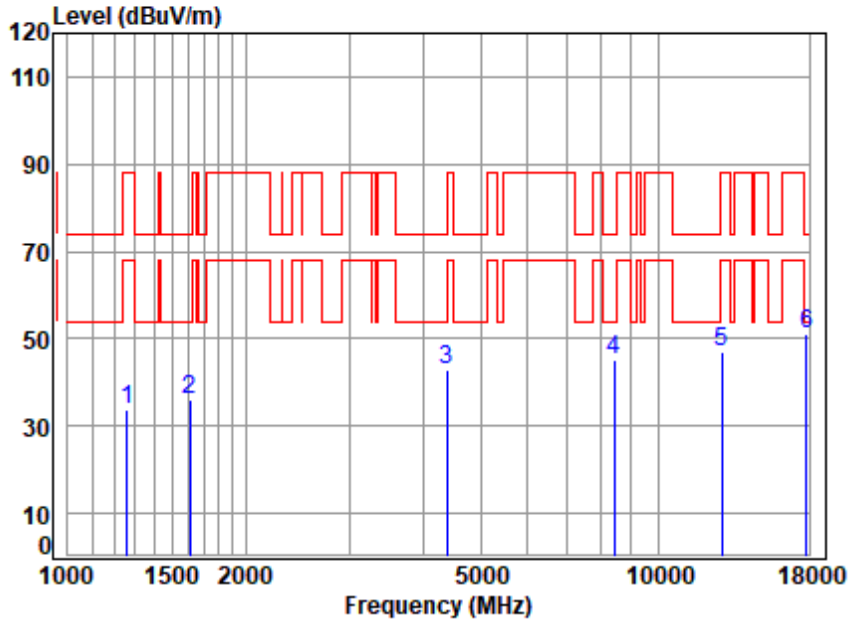
Test Mode: 07; Polarity: Vertical; Modulation:802.11ax(52 RU); Bandwidth:20MHz; Channel:middle




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6175 TX RSE
Note : 6E WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1260.149 | 3.76 | 25.04 | 61.58 | 65.75 | 32.97 | 88.20 | -55.23 | peak |
| 2 | 1551.677 | 4.12 | 26.99 | 61.67 | 64.88 | 34.32 | 74.00 | -39.68 | peak |
| 3 | 4341.886 | 7.07 | 34.34 | 61.49 | 63.31 | 43.23 | 74.00 | -30.77 | peak |
| 4 | 8082.804 | 9.11 | 36.47 | 61.67 | 61.36 | 45.27 | 74.00 | -28.73 | peak |
| 5 | 12350.000 | 12.02 | 37.90 | 62.71 | 60.34 | 47.55 | 74.00 | -26.45 | peak |
| 6 | p17793.090 | 15.23 | 43.89 | 61.09 | 52.41 | 50.44 | 74.00 | -23.56 | peak |

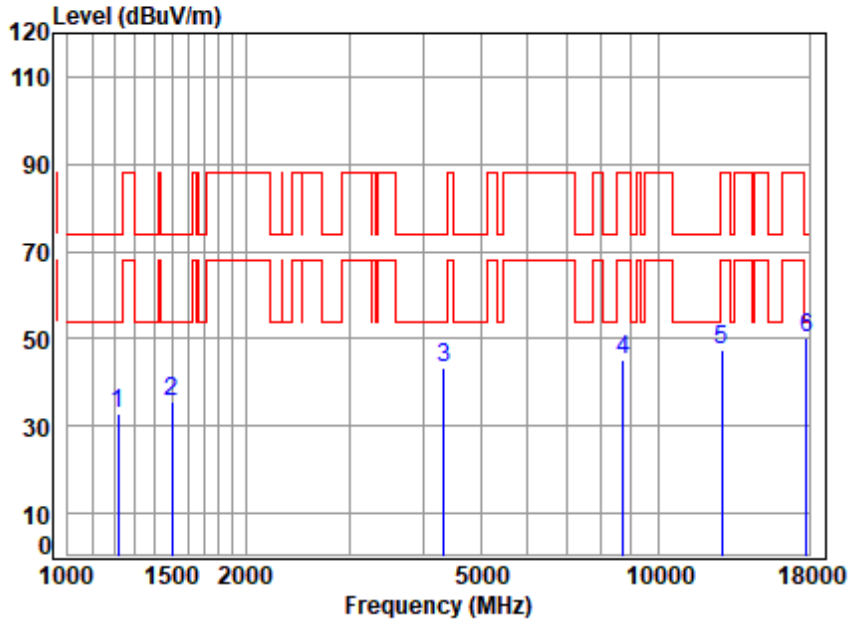
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ax(52 RU); Bandwidth:20MHz; Channel:High




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6145 TX RSE
Note : 6E WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1260.149 | 3.76 | 25.04 | 61.58 | 66.40 | 33.62 | 88.20 | -54.58 | peak |
| 2 | 1611.091 | 4.20 | 26.69 | 61.69 | 66.83 | 36.03 | 74.00 | -37.97 | peak |
| 3 | 4379.699 | 7.11 | 34.64 | 61.52 | 62.76 | 42.99 | 74.00 | -31.01 | peak |
| 4 | 8416.584 | 9.45 | 36.67 | 61.78 | 60.62 | 44.96 | 74.00 | -29.04 | peak |
| 5 | 12830.000 | 12.16 | 38.13 | 62.68 | 59.22 | 46.83 | 88.20 | -41.37 | peak |
| 6 | p17793.090 | 15.23 | 43.89 | 61.09 | 53.23 | 51.26 | 74.00 | -22.74 | peak |

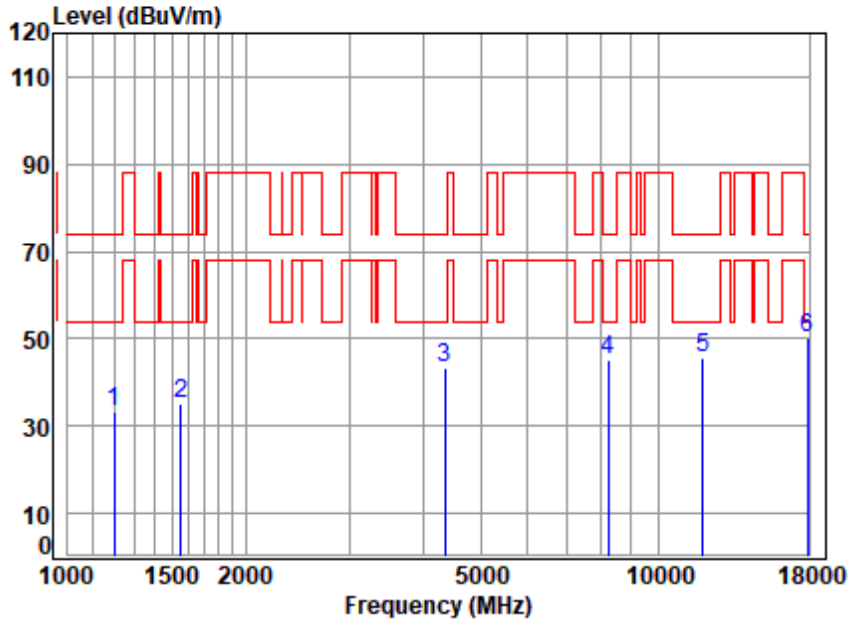
Test Mode: 07; Polarity: Vertical; Modulation:802.11ax(52 RU); Bandwidth:20MHz; Channel:High




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6145 TX RSE
Note : 6E WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1217.190 | 3.71 | 24.64 | 61.56 | 65.86 | 32.65 | 74.00 | -41.35 | peak |
| 2 | 1503.119 | 4.04 | 26.81 | 61.66 | 66.35 | 35.54 | 74.00 | -38.46 | peak |
| 3 | 4341.886 | 7.07 | 34.34 | 61.49 | 63.63 | 43.55 | 74.00 | -30.45 | peak |
| 4 | 8713.630 | 9.70 | 36.90 | 61.88 | 60.27 | 44.99 | 88.20 | -43.21 | peak |
| 5 | 12830.000 | 12.16 | 38.13 | 62.68 | 59.82 | 47.43 | 88.20 | -40.77 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 51.99 | 50.14 | 74.00 | -23.86 | peak |

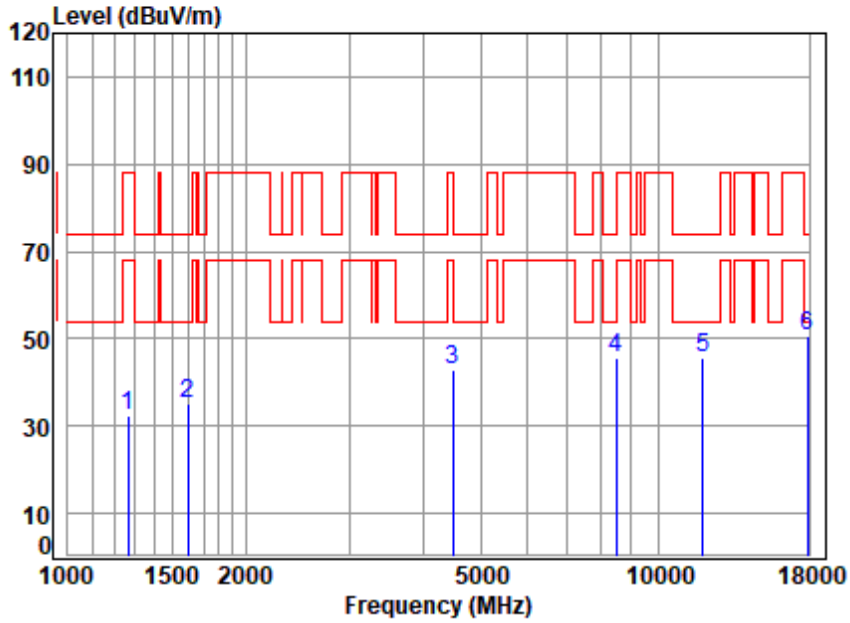
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:20MHz; Channel:Low; Small RU




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 5955 TX RSE
Note : 6E WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1196.264 | 3.68 | 24.36 | 61.55 | 66.78 | 33.27 | 74.00 | -40.73 | peak |
| 2 | 1551.677 | 4.12 | 26.99 | 61.67 | 65.75 | 35.19 | 74.00 | -38.81 | peak |
| 3 | 4354.454 | 7.08 | 34.44 | 61.50 | 63.27 | 43.29 | 74.00 | -30.71 | peak |
| 4 | 8224.200 | 9.26 | 36.65 | 61.72 | 60.77 | 44.96 | 74.00 | -29.04 | peak |
| 5 | 11910.000 | 11.96 | 37.71 | 62.71 | 58.62 | 45.58 | 74.00 | -28.42 | peak |
| 6 | p17865.000 | 15.32 | 43.90 | 61.02 | 51.93 | 50.13 | 74.00 | -23.87 | peak |

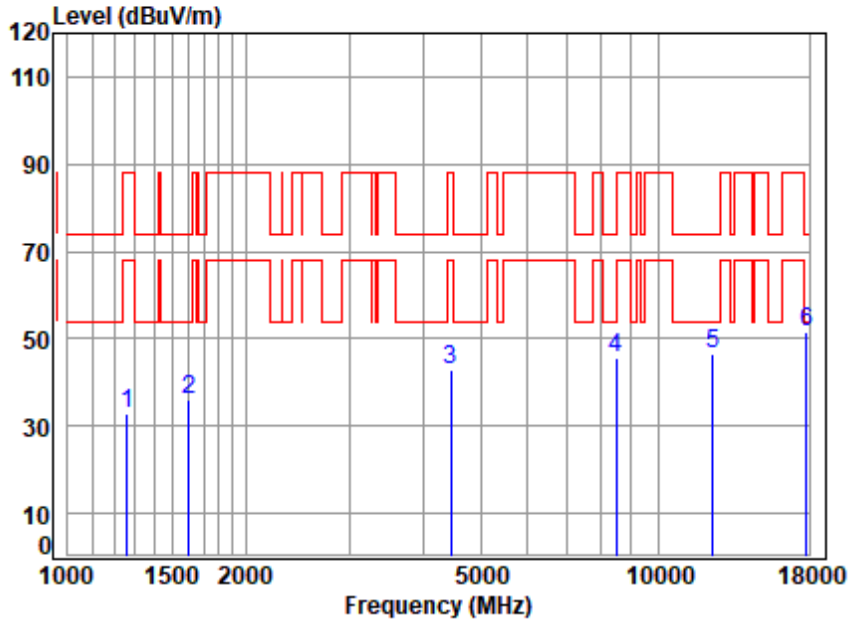
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:20MHz; Channel:Low; Small RU




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 5955 TX RSE
Note : 6E WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1267.454 | 3.77 | 25.00 | 61.58 | 65.38 | 32.57 | 88.20 | -55.63 | peak |
| 2 | 1597.181 | 4.18 | 26.81 | 61.69 | 65.72 | 35.02 | 74.00 | -38.98 | peak |
| 3 | 4482.150 | 7.23 | 33.81 | 61.61 | 63.66 | 43.09 | 88.20 | -45.11 | peak |
| 4 | 8489.882 | 9.52 | 36.68 | 61.81 | 61.09 | 45.48 | 74.00 | -28.52 | peak |
| 5 | 11910.000 | 11.96 | 37.71 | 62.71 | 58.81 | 45.77 | 74.00 | -28.23 | peak |
| 6 | p17865.000 | 15.32 | 43.90 | 61.02 | 52.23 | 50.43 | 74.00 | -23.57 | peak |

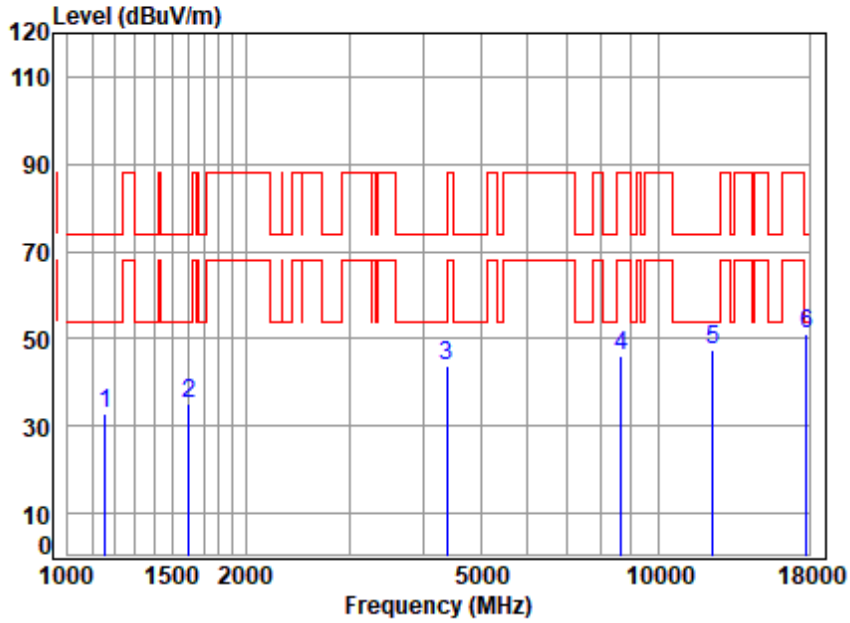
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:20MHz; Channel:middle;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6175 TX RSE
Note : 6E WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1260.149 | 3.76 | 25.04 | 61.58 | 65.48 | 32.70 | 88.20 | -55.50 | peak |
| 2 | 1601.804 | 4.19 | 26.78 | 61.69 | 66.54 | 35.82 | 74.00 | -38.18 | peak |
| 3 | 4456.315 | 7.20 | 34.12 | 61.59 | 62.95 | 42.68 | 88.20 | -45.52 | peak |
| 4 | 8489.882 | 9.52 | 36.68 | 61.81 | 61.46 | 45.85 | 74.00 | -28.15 | peak |
| 5 | 12350.000 | 12.02 | 37.90 | 62.71 | 59.50 | 46.71 | 74.00 | -27.29 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 53.18 | 51.33 | 74.00 | -22.67 | peak |

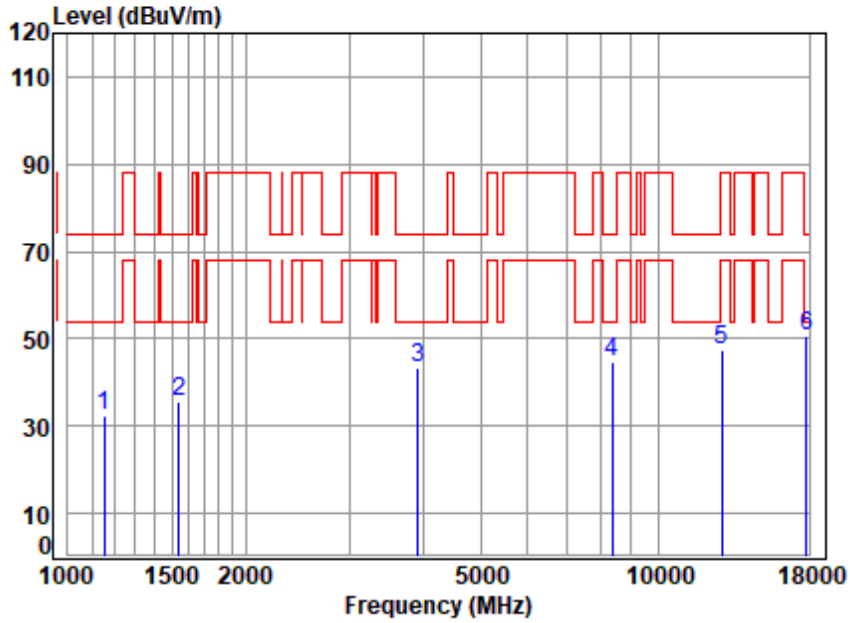
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:20MHz; Channel:middle;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6175 TX RSE
Note : 6E WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1158.828 | 3.63 | 23.99 | 61.54 | 66.67 | 32.75 | 74.00 | -41.25 | peak |
| 2 | 1601.804 | 4.19 | 26.78 | 61.69 | 65.91 | 35.19 | 74.00 | -38.81 | peak |
| 3 | 4392.376 | 7.13 | 34.74 | 61.53 | 63.26 | 43.60 | 74.00 | -30.40 | peak |
| 4 | 8638.399 | 9.64 | 36.90 | 61.85 | 61.37 | 46.06 | 88.20 | -42.14 | peak |
| 5 | 12350.000 | 12.02 | 37.90 | 62.71 | 60.38 | 47.59 | 74.00 | -26.41 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.79 | 50.94 | 74.00 | -23.06 | peak |

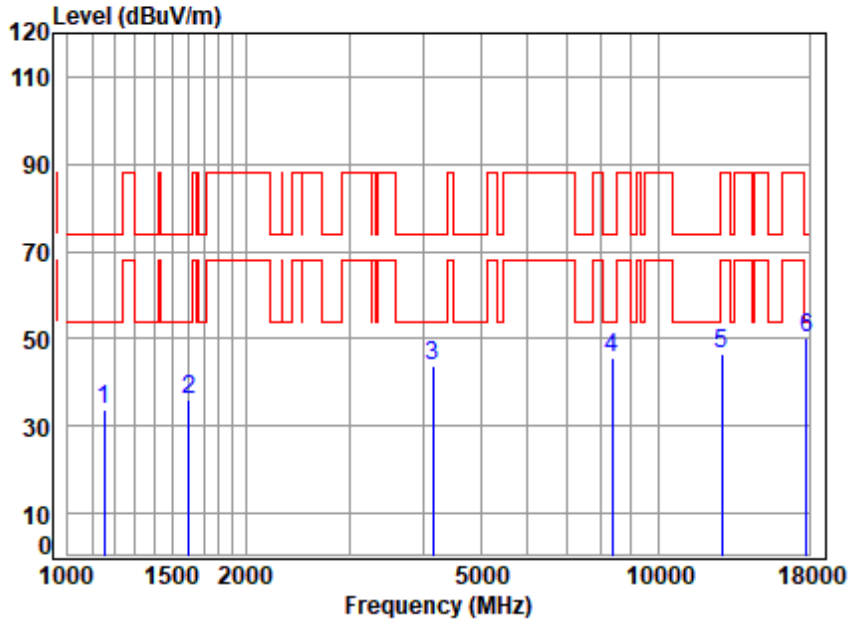
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:20MHz; Channel:High;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6145 TX RSE
Note : 6E WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1152.148 | 3.62 | 23.92 | 61.54 | 66.17 | 32.17 | 74.00 | -41.83 | peak |
| 2 | 1542.733 | 4.10 | 26.97 | 61.67 | 66.02 | 35.42 | 74.00 | -38.58 | peak |
| 3 | 3912.809 | 6.63 | 33.72 | 61.19 | 64.17 | 43.33 | 74.00 | -30.67 | peak |
| 4 | 8343.918 | 9.38 | 36.70 | 61.76 | 60.30 | 44.62 | 74.00 | -29.38 | peak |
| 5 | 12830.000 | 12.16 | 38.13 | 62.68 | 59.87 | 47.48 | 88.20 | -40.72 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.61 | 50.76 | 74.00 | -23.24 | peak |

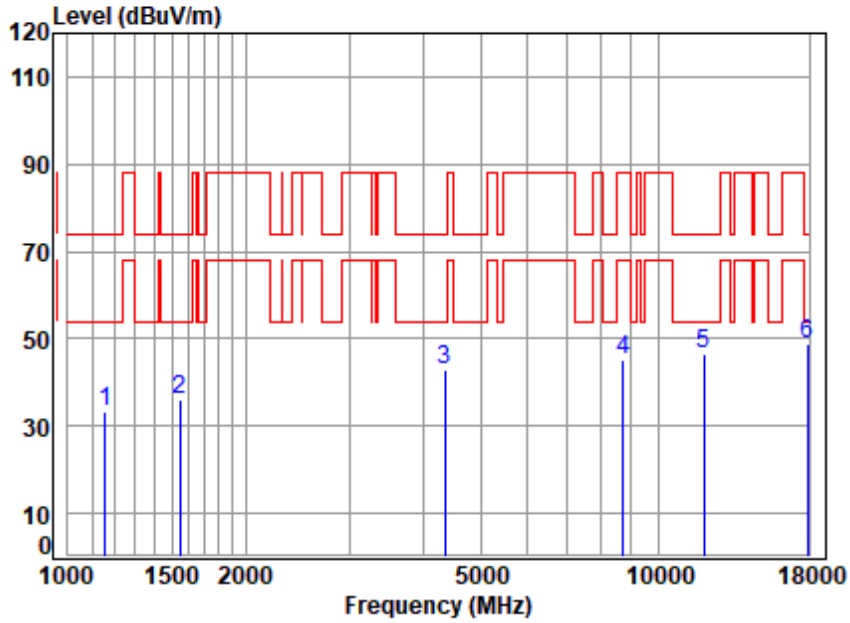
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:20MHz; Channel:High;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6145 TX RSE
Note : 6E WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1152.148 | 3.62 | 23.92 | 61.54 | 67.57 | 33.57 | 74.00 | -40.43 | peak |
| 2 | 1606.441 | 4.19 | 26.74 | 61.69 | 67.00 | 36.24 | 74.00 | -37.76 | peak |
| 3 | 4145.664 | 6.83 | 33.73 | 61.31 | 64.57 | 43.82 | 74.00 | -30.18 | peak |
| 4 | 8368.069 | 9.40 | 36.70 | 61.76 | 61.39 | 45.73 | 74.00 | -28.27 | peak |
| 5 | 12830.000 | 12.16 | 38.13 | 62.68 | 58.96 | 46.57 | 88.20 | -41.63 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.13 | 50.28 | 74.00 | -23.72 | peak |

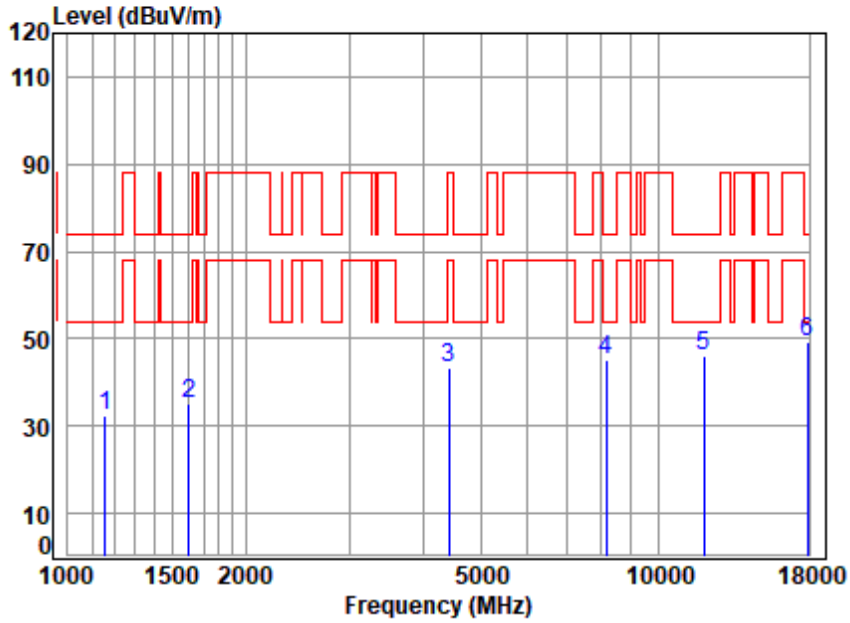
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:40MHz; Channel:Low;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 5965 TX RSE
Note : 6E WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1158.828 | 3.63 | 23.99 | 61.54 | 67.08 | 33.16 | 74.00 | -40.84 | peak |
| 2 | 1547.199 | 4.11 | 26.99 | 61.67 | 66.50 | 35.93 | 74.00 | -38.07 | peak |
| 3 | 4354.454 | 7.08 | 34.44 | 61.50 | 62.94 | 42.96 | 74.00 | -31.04 | peak |
| 4 | 8713.630 | 9.70 | 36.90 | 61.88 | 60.67 | 45.39 | 88.20 | -42.81 | peak |
| 5 | 11930.000 | 11.96 | 37.73 | 62.71 | 59.65 | 46.63 | 74.00 | -27.37 | peak |
| 6 | p17895.000 | 15.35 | 43.90 | 60.99 | 50.40 | 48.66 | 74.00 | -25.34 | peak |

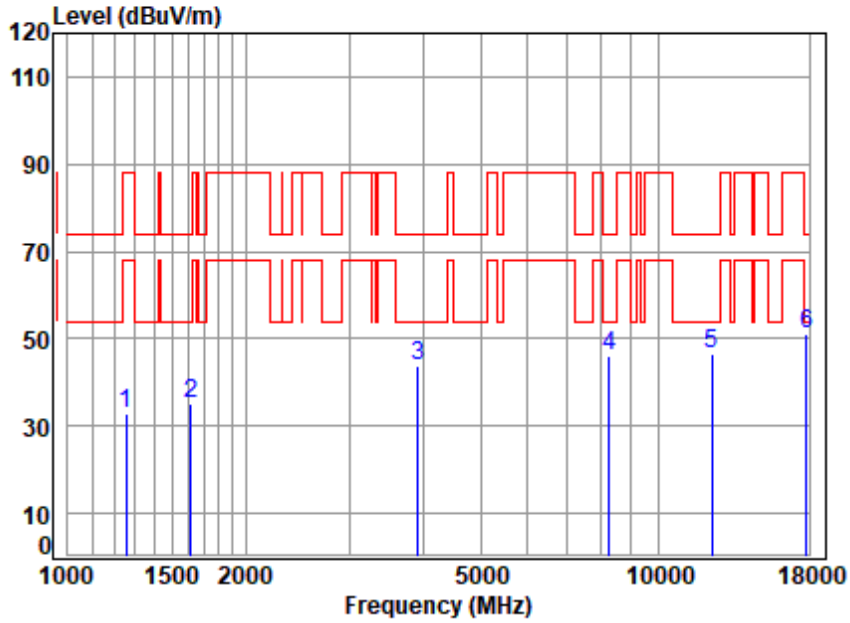
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:40MHz; Channel:Low;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 5965 TX RSE
Note : 6E WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1155.483 | 3.62 | 23.95 | 61.54 | 66.27 | 32.30 | 74.00 | -41.70 | peak |
| 2 | 1601.804 | 4.19 | 26.78 | 61.69 | 65.65 | 34.93 | 74.00 | -39.07 | peak |
| 3 | 4417.841 | 7.16 | 34.59 | 61.56 | 63.01 | 43.20 | 88.20 | -45.00 | peak |
| 4 | 8153.195 | 9.19 | 36.51 | 61.69 | 61.25 | 45.26 | 74.00 | -28.74 | peak |
| 5 | 11930.000 | 11.96 | 37.73 | 62.71 | 59.20 | 46.18 | 74.00 | -27.82 | peak |
| 6 | p17895.000 | 15.35 | 43.90 | 60.99 | 51.05 | 49.31 | 74.00 | -24.69 | peak |

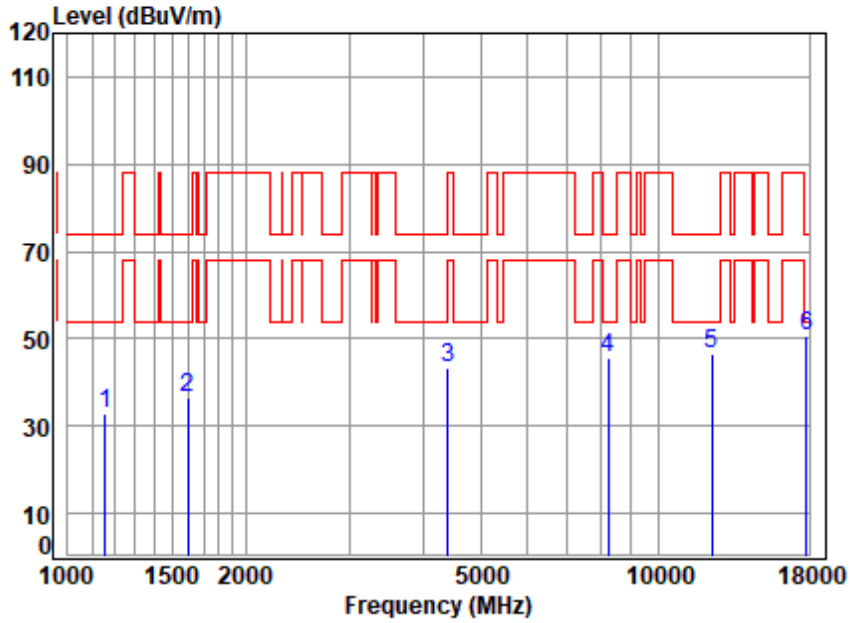
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:40MHz; Channel:middle;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6165 TX RSE
Note : 6E WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1256.512 | 3.76 | 25.06 | 61.58 | 65.83 | 33.07 | 88.20 | -55.13 | peak |
| 2 | 1615.754 | 4.21 | 26.64 | 61.69 | 65.97 | 35.13 | 74.00 | -38.87 | peak |
| 3 | 3912.809 | 6.63 | 33.72 | 61.19 | 64.42 | 43.58 | 74.00 | -30.42 | peak |
| 4 | 8271.880 | 9.31 | 36.70 | 61.73 | 61.80 | 46.08 | 74.00 | -27.92 | peak |
| 5 | 12330.000 | 12.02 | 37.90 | 62.71 | 59.31 | 46.52 | 74.00 | -27.48 | peak |
| 6 | p17793.090 | 15.23 | 43.89 | 61.09 | 53.25 | 51.28 | 74.00 | -22.72 | peak |

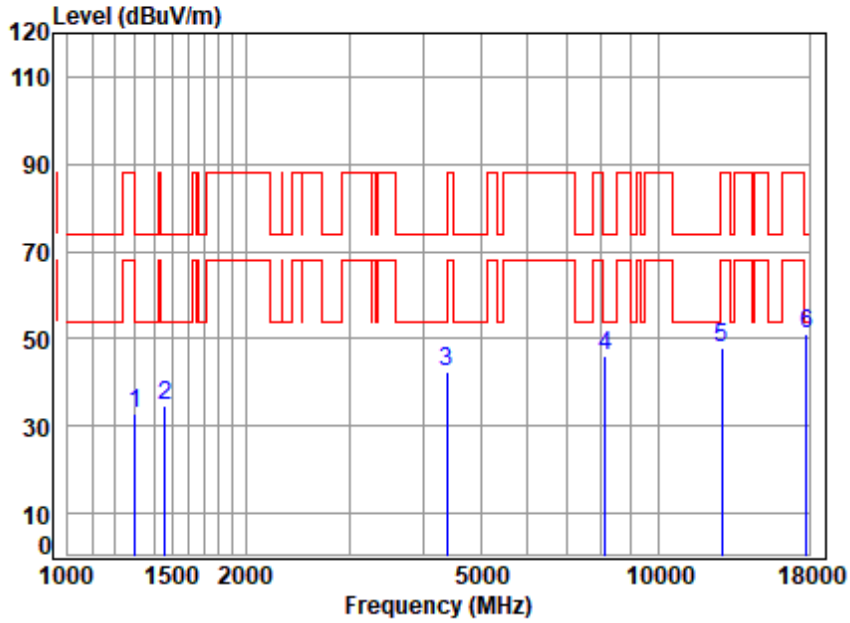
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:40MHz; Channel:middle;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6165 TX RSE
Note : 6E WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1158.828 | 3.63 | 23.99 | 61.54 | 66.60 | 32.68 | 74.00 | -41.32 | peak |
| 2 | 1597.181 | 4.18 | 26.81 | 61.69 | 67.05 | 36.35 | 74.00 | -37.65 | peak |
| 3 | 4405.090 | 7.14 | 34.74 | 61.55 | 63.13 | 43.46 | 88.20 | -44.74 | peak |
| 4 | 8224.200 | 9.26 | 36.65 | 61.72 | 61.66 | 45.85 | 74.00 | -28.15 | peak |
| 5 | 12330.000 | 12.02 | 37.90 | 62.71 | 59.38 | 46.59 | 74.00 | -27.41 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.69 | 50.84 | 74.00 | -23.16 | peak |

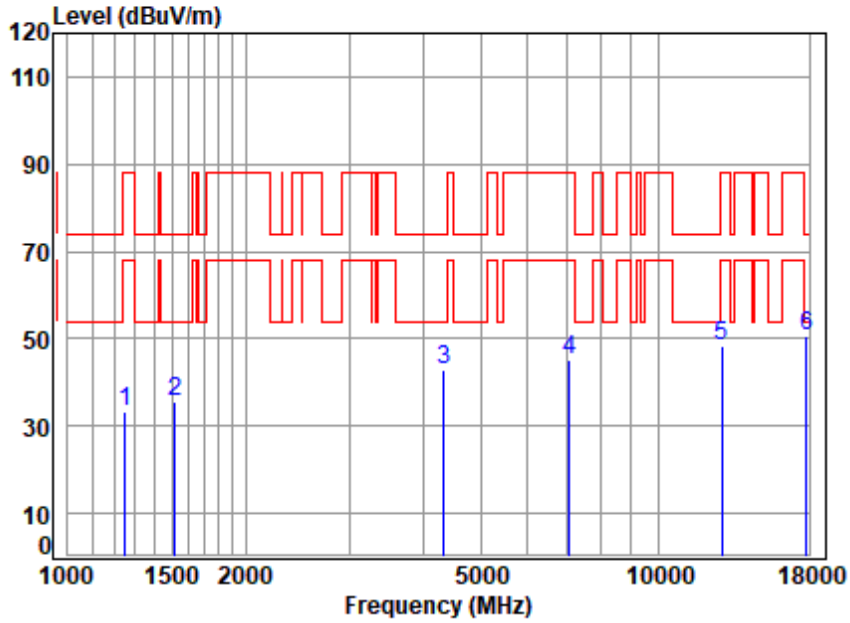
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:40MHz; Channel:High;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6405 TX RSE
Note : 6E WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1300.858 | 3.81 | 24.79 | 61.59 | 66.05 | 33.06 | 74.00 | -40.94 | peak |
| 2 | 1460.295 | 4.00 | 25.69 | 61.64 | 66.45 | 34.50 | 74.00 | -39.50 | peak |
| 3 | 4379.699 | 7.11 | 34.64 | 61.52 | 62.35 | 42.58 | 74.00 | -31.42 | peak |
| 4 | 8129.664 | 9.16 | 36.50 | 61.68 | 61.90 | 45.88 | 74.00 | -28.12 | peak |
| 5 | 12810.000 | 12.15 | 38.11 | 62.68 | 60.19 | 47.77 | 88.20 | -40.43 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.72 | 50.87 | 74.00 | -23.13 | peak |

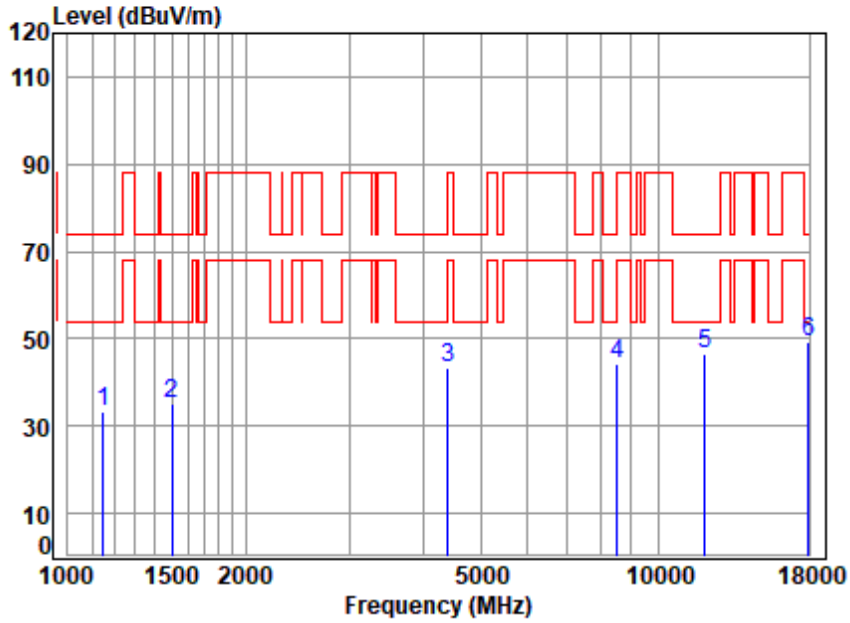
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:40MHz; Channel:High;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6405 TX RSE
Note : 6E WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1252.885 | 3.75 | 25.08 | 61.57 | 66.11 | 33.37 | 88.20 | -54.83 | peak |
| 2 | 1516.210 | 4.06 | 26.86 | 61.66 | 66.28 | 35.54 | 74.00 | -38.46 | peak |
| 3 | 4329.354 | 7.05 | 34.23 | 61.48 | 62.91 | 42.71 | 74.00 | -31.29 | peak |
| 4 | 7076.516 | 8.73 | 35.75 | 62.11 | 62.68 | 45.05 | 88.20 | -43.15 | peak |
| 5 | 12810.000 | 12.15 | 38.11 | 62.68 | 60.75 | 48.33 | 88.20 | -39.87 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.37 | 50.52 | 74.00 | -23.48 | peak |

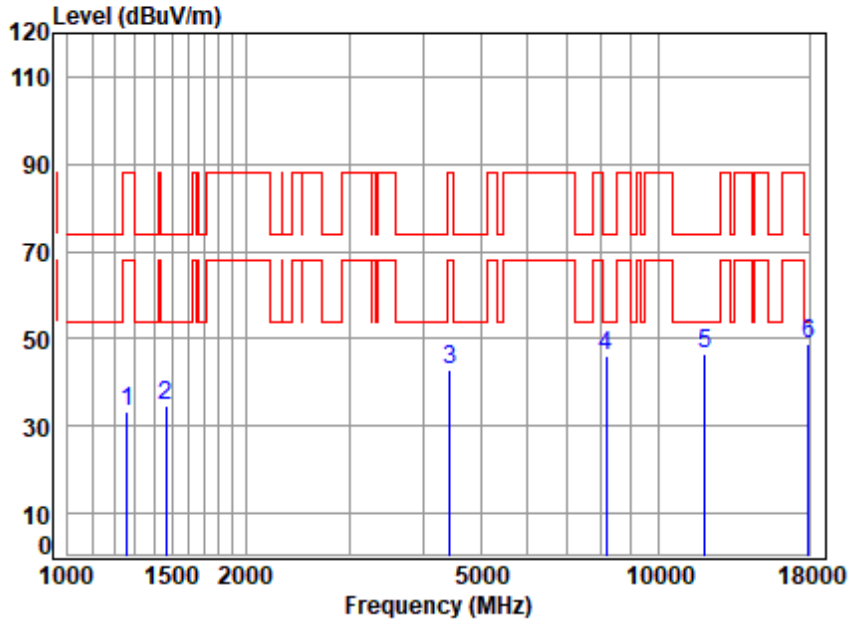
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:80MHz; Channel:Low;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 5985 TX RSE
Note : 6E WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1148.823 | 3.61 | 23.90 | 61.53 | 67.15 | 33.13 | 74.00 | -40.87 | peak |
| 2 | 1498.781 | 4.04 | 26.77 | 61.66 | 66.01 | 35.16 | 74.00 | -38.84 | peak |
| 3 | 4405.090 | 7.14 | 34.74 | 61.55 | 63.02 | 43.35 | 88.20 | -44.85 | peak |
| 4 | 8514.456 | 9.54 | 36.73 | 61.81 | 59.86 | 44.32 | 88.20 | -43.88 | peak |
| 5 | 11970.000 | 11.96 | 37.77 | 62.72 | 59.67 | 46.68 | 74.00 | -27.32 | peak |
| 6 | p17955.000 | 15.42 | 44.12 | 60.93 | 50.53 | 49.14 | 74.00 | -24.86 | peak |

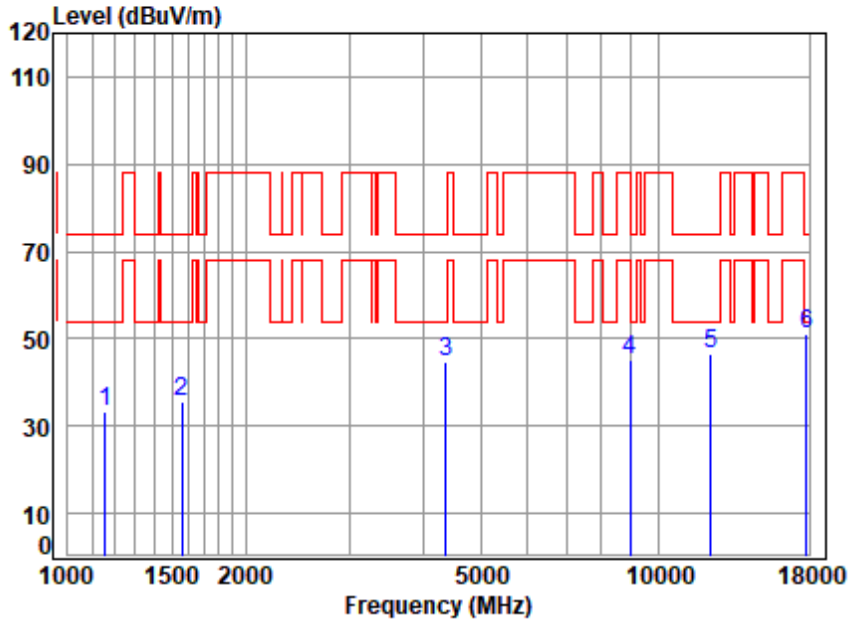
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:80MHz; Channel:Low;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 5985 TX RSE
Note : 6E WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1260.149 | 3.76 | 25.04 | 61.58 | 66.02 | 33.24 | 88.20 | -54.96 | peak |
| 2 | 1468.761 | 4.01 | 25.93 | 61.65 | 66.51 | 34.80 | 74.00 | -39.20 | peak |
| 3 | 4430.628 | 7.17 | 34.43 | 61.57 | 62.80 | 42.83 | 88.20 | -45.37 | peak |
| 4 | 8176.795 | 9.21 | 36.55 | 61.70 | 61.82 | 45.88 | 74.00 | -28.12 | peak |
| 5 | 11970.000 | 11.96 | 37.77 | 62.72 | 59.57 | 46.58 | 74.00 | -27.42 | peak |
| 6 | p17955.000 | 15.42 | 44.12 | 60.93 | 50.35 | 48.96 | 74.00 | -25.04 | peak |

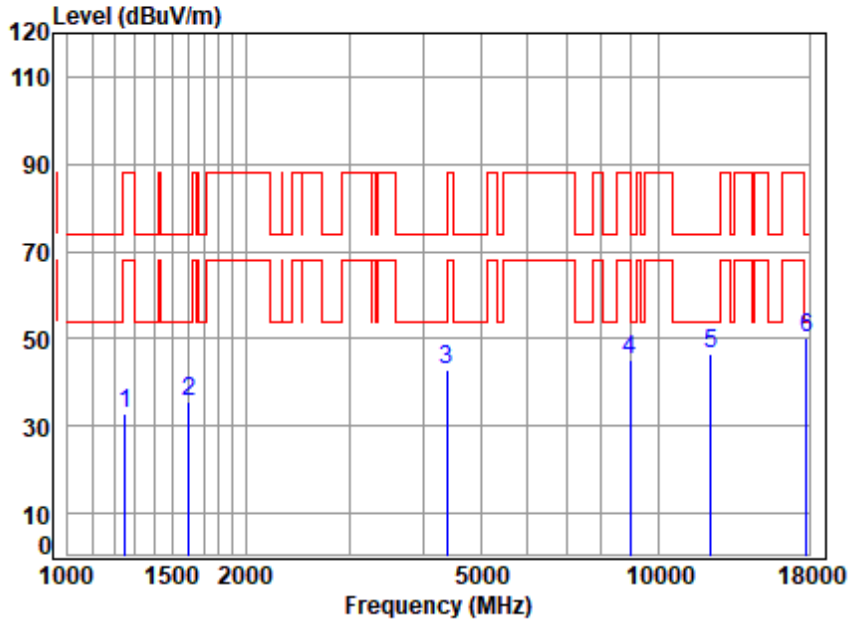
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:80MHz; Channel:middle;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6145 TX RSE
Note : 6E WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1158.828 | 3.63 | 23.99 | 61.54 | 67.10 | 33.18 | 74.00 | -40.82 | peak |
| 2 | 1560.673 | 4.13 | 26.96 | 61.68 | 66.16 | 35.57 | 74.00 | -38.43 | peak |
| 3 | 4367.058 | 7.10 | 34.54 | 61.51 | 64.37 | 44.50 | 74.00 | -29.50 | peak |
| 4 | 8969.161 | 9.90 | 36.96 | 61.96 | 60.13 | 45.03 | 88.20 | -43.17 | peak |
| 5 | 12290.000 | 12.01 | 37.90 | 62.71 | 59.42 | 46.62 | 74.00 | -27.38 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.87 | 51.02 | 74.00 | -22.98 | peak |

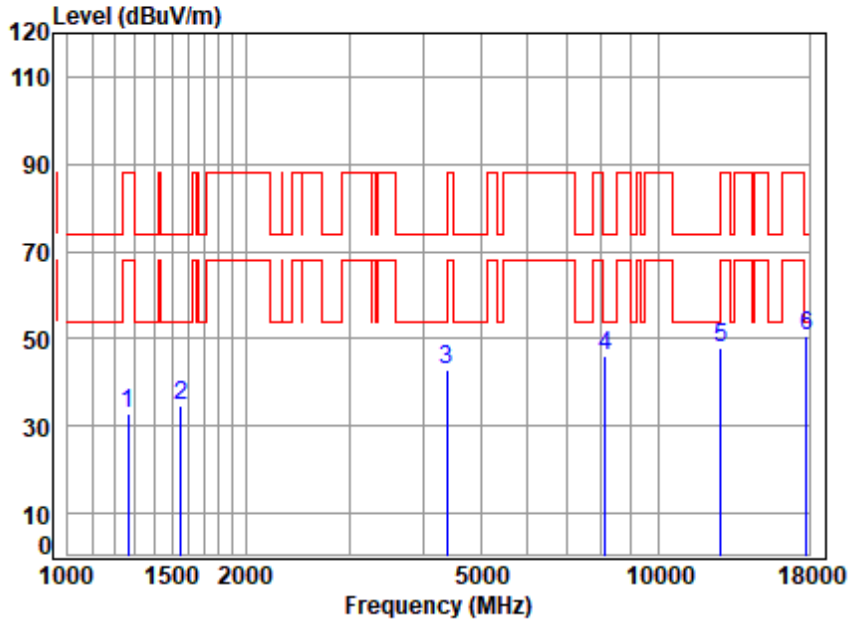
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:80MHz; Channel:middle;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6145 TX RSE
Note : 6E WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1252.885 | 3.75 | 25.08 | 61.57 | 65.39 | 32.65 | 88.20 | -55.55 | peak |
| 2 | 1606.441 | 4.19 | 26.74 | 61.69 | 66.51 | 35.75 | 74.00 | -38.25 | peak |
| 3 | 4392.376 | 7.13 | 34.74 | 61.53 | 62.73 | 43.07 | 74.00 | -30.93 | peak |
| 4 | 8969.161 | 9.90 | 36.96 | 61.96 | 60.33 | 45.23 | 88.20 | -42.97 | peak |
| 5 | 12290.000 | 12.01 | 37.90 | 62.71 | 59.54 | 46.74 | 74.00 | -27.26 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 51.98 | 50.13 | 74.00 | -23.87 | peak |

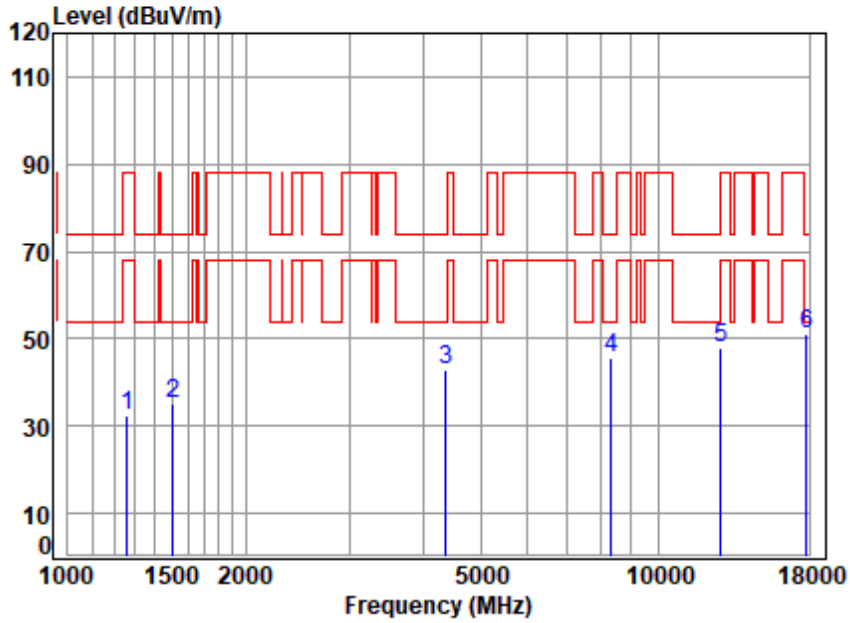
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:80MHz; Channel:High;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6385 TX RSE
Note : 6E WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1267.454 | 3.77 | 25.00 | 61.58 | 65.69 | 32.88 | 88.20 | -55.32 | peak |
| 2 | 1556.169 | 4.12 | 26.98 | 61.67 | 65.39 | 34.82 | 74.00 | -39.18 | peak |
| 3 | 4379.699 | 7.11 | 34.64 | 61.52 | 62.84 | 43.07 | 74.00 | -30.93 | peak |
| 4 | 8129.664 | 9.16 | 36.50 | 61.68 | 62.20 | 46.18 | 74.00 | -27.82 | peak |
| 5 | 12770.000 | 12.14 | 38.10 | 62.68 | 60.41 | 47.97 | 88.20 | -40.23 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.66 | 50.81 | 74.00 | -23.19 | peak |

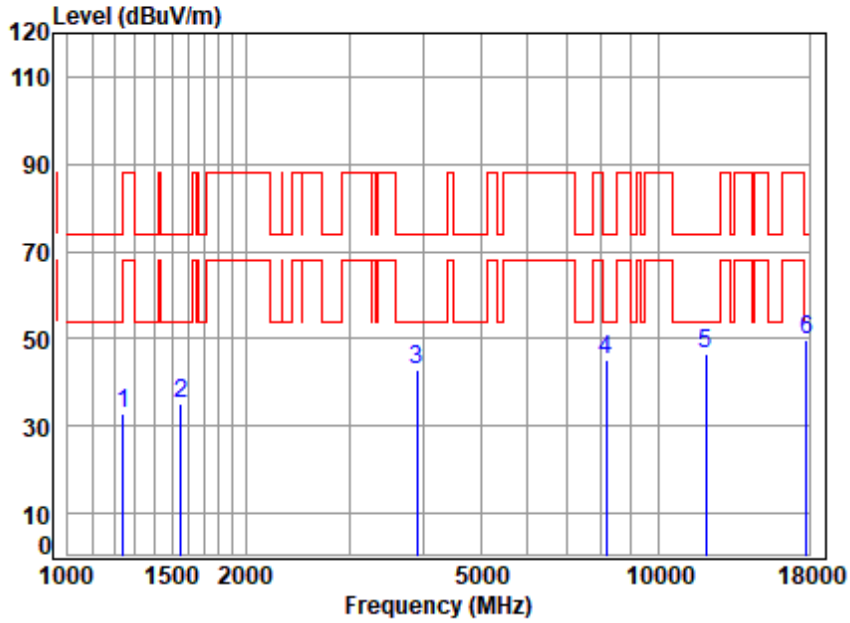
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:80MHz; Channel:High;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6385 TX RSE
Note : 6E WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1260.149 | 3.76 | 25.04 | 61.58 | 64.96 | 32.18 | 88.20 | -56.02 | peak |
| 2 | 1507.470 | 4.05 | 26.83 | 61.66 | 65.70 | 34.92 | 74.00 | -39.08 | peak |
| 3 | 4367.058 | 7.10 | 34.54 | 61.51 | 62.60 | 42.73 | 74.00 | -31.27 | peak |
| 4 | 8319.836 | 9.35 | 36.70 | 61.75 | 61.28 | 45.58 | 74.00 | -28.42 | peak |
| 5 | 12770.000 | 12.14 | 38.10 | 62.68 | 60.29 | 47.85 | 88.20 | -40.35 | peak |
| 6 | p17793.090 | 15.23 | 43.89 | 61.09 | 53.13 | 51.16 | 74.00 | -22.84 | peak |

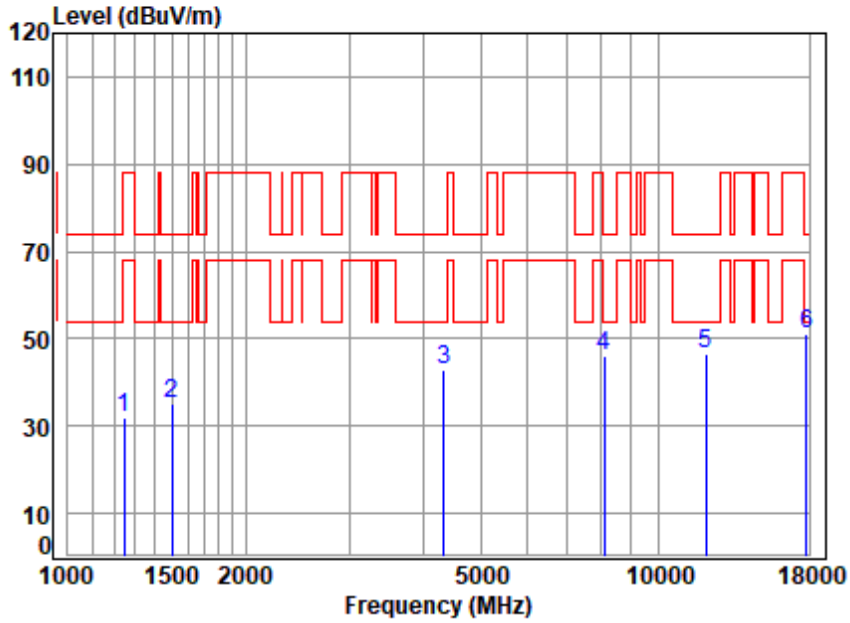
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:160MHz; Channel:Low;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6025 TX RSE
Note : 6E WIFI 11BE160 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1242.068 | 3.74 | 24.99 | 61.57 | 65.54 | 32.70 | 88.20 | -55.50 | peak |
| 2 | 1551.677 | 4.12 | 26.99 | 61.67 | 65.84 | 35.28 | 74.00 | -38.72 | peak |
| 3 | 3901.516 | 6.63 | 33.79 | 61.19 | 63.57 | 42.80 | 74.00 | -31.20 | peak |
| 4 | 8176.795 | 9.21 | 36.55 | 61.70 | 60.91 | 44.97 | 74.00 | -29.03 | peak |
| 5 | 12050.000 | 11.97 | 37.75 | 62.73 | 59.53 | 46.52 | 74.00 | -27.48 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 51.42 | 49.57 | 74.00 | -24.43 | peak |

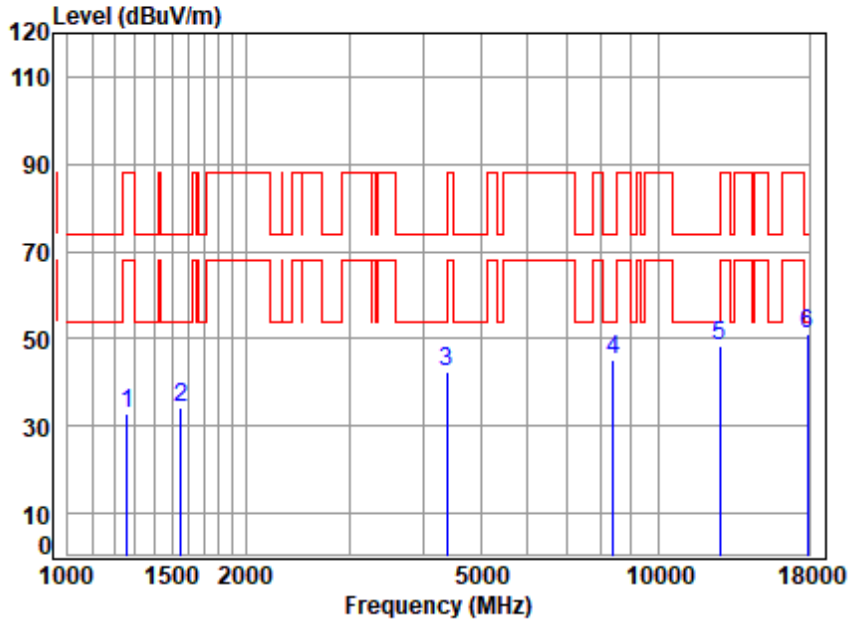
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:160MHz; Channel:Low;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6025 TX RSE
Note : 6E WIFI 11BE160 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1245.663 | 3.74 | 25.04 | 61.57 | 64.67 | 31.88 | 88.20 | -56.32 | peak |
| 2 | 1498.781 | 4.04 | 26.77 | 61.66 | 65.94 | 35.09 | 74.00 | -38.91 | peak |
| 3 | 4329.354 | 7.05 | 34.23 | 61.48 | 63.20 | 43.00 | 74.00 | -31.00 | peak |
| 4 | 8106.200 | 9.14 | 36.50 | 61.68 | 61.90 | 45.86 | 74.00 | -28.14 | peak |
| 5 | 12050.000 | 11.97 | 37.75 | 62.73 | 59.75 | 46.74 | 74.00 | -27.26 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.84 | 50.99 | 74.00 | -23.01 | peak |

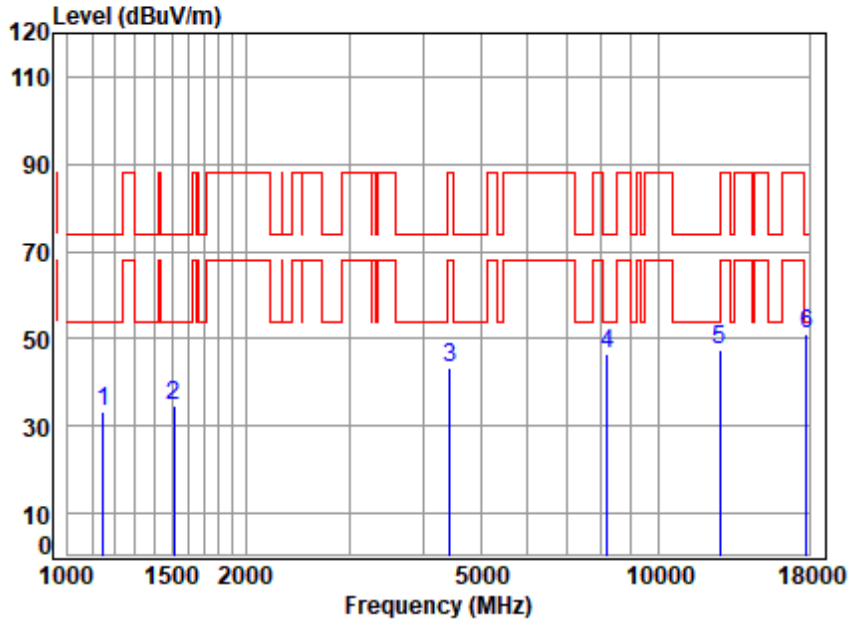
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:160MHz; Channel:High;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6345 TX RSE
Note : 6E WIFI 11BE160 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1260.149 | 3.76 | 25.04 | 61.58 | 65.69 | 32.91 | 88.20 | -55.29 | peak |
| 2 | 1551.677 | 4.12 | 26.99 | 61.67 | 64.98 | 34.42 | 74.00 | -39.58 | peak |
| 3 | 4379.699 | 7.11 | 34.64 | 61.52 | 62.41 | 42.64 | 74.00 | -31.36 | peak |
| 4 | 8392.292 | 9.42 | 36.70 | 61.77 | 60.75 | 45.10 | 74.00 | -28.90 | peak |
| 5 | 12690.000 | 12.11 | 38.08 | 62.69 | 60.80 | 48.30 | 74.00 | -25.70 | peak |
| 6 | p17896.250 | 15.35 | 43.90 | 60.99 | 52.70 | 50.96 | 74.00 | -23.04 | peak |

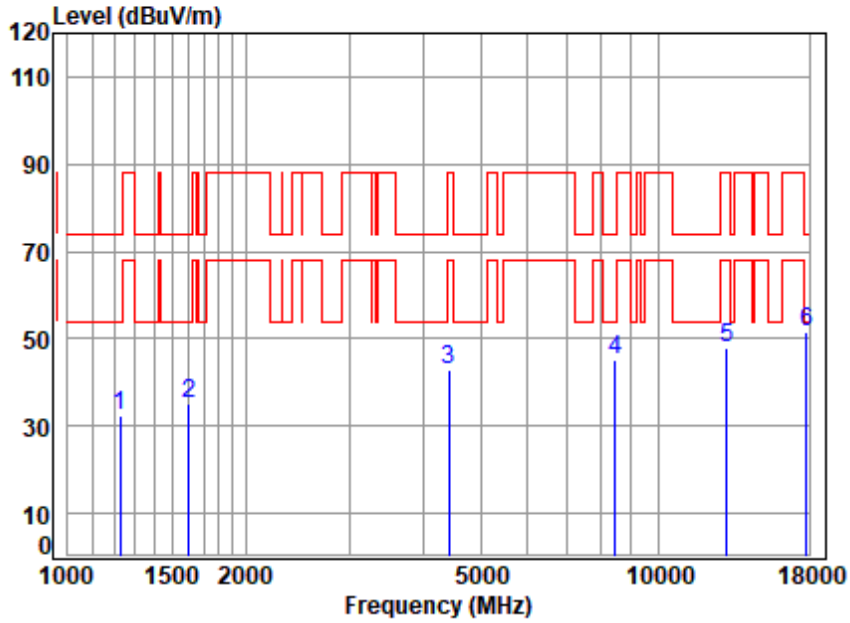
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:160MHz; Channel:High;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6345 TX RSE
Note : 6E WIFI 11BE160 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1148.823 | 3.61 | 23.90 | 61.53 | 67.27 | 33.25 | 74.00 | -40.75 | peak |
| 2 | 1511.833 | 4.06 | 26.85 | 61.66 | 65.32 | 34.57 | 74.00 | -39.43 | peak |
| 3 | 4443.453 | 7.19 | 34.28 | 61.58 | 63.26 | 43.15 | 88.20 | -45.05 | peak |
| 4 | 8200.463 | 9.23 | 36.60 | 61.71 | 62.28 | 46.40 | 74.00 | -27.60 | peak |
| 5 | 12690.000 | 12.11 | 38.08 | 62.69 | 60.16 | 47.66 | 74.00 | -26.34 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.84 | 50.99 | 74.00 | -23.01 | peak |

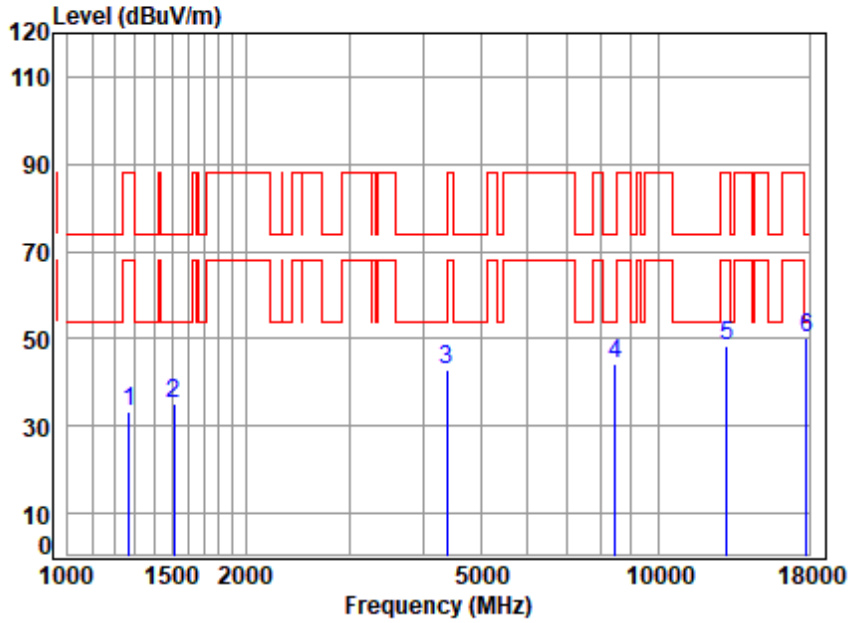
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6535 TX RSE
Note : 6E WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1227.791 | 3.72 | 24.79 | 61.56 | 65.55 | 32.50 | 74.00 | -41.50 | peak |
| 2 | 1601.804 | 4.19 | 26.78 | 61.69 | 65.98 | 35.26 | 74.00 | -38.74 | peak |
| 3 | 4417.841 | 7.16 | 34.59 | 61.56 | 62.61 | 42.80 | 88.20 | -45.40 | peak |
| 4 | 8440.945 | 9.47 | 36.62 | 61.79 | 60.66 | 44.96 | 74.00 | -29.04 | peak |
| 5 | 13070.000 | 12.29 | 38.31 | 62.66 | 59.97 | 47.91 | 88.20 | -40.29 | peak |
| 6 | p17793.090 | 15.23 | 43.89 | 61.09 | 53.39 | 51.42 | 74.00 | -22.58 | peak |

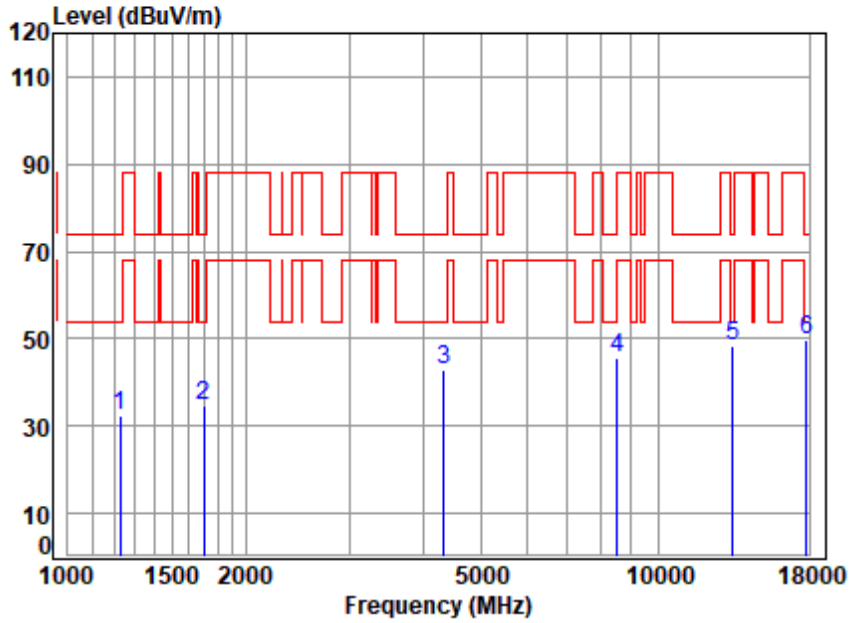
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6535 TX RSE
Note : 6E WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1271.123 | 3.77 | 24.97 | 61.58 | 66.04 | 33.20 | 88.20 | -55.00 | peak |
| 2 | 1511.833 | 4.06 | 26.85 | 61.66 | 65.67 | 34.92 | 74.00 | -39.08 | peak |
| 3 | 4379.699 | 7.11 | 34.64 | 61.52 | 62.87 | 43.10 | 74.00 | -30.90 | peak |
| 4 | 8440.945 | 9.47 | 36.62 | 61.79 | 60.10 | 44.40 | 74.00 | -29.60 | peak |
| 5 | 13070.000 | 12.29 | 38.31 | 62.66 | 60.60 | 48.54 | 88.20 | -39.66 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 51.84 | 49.99 | 74.00 | -24.01 | peak |

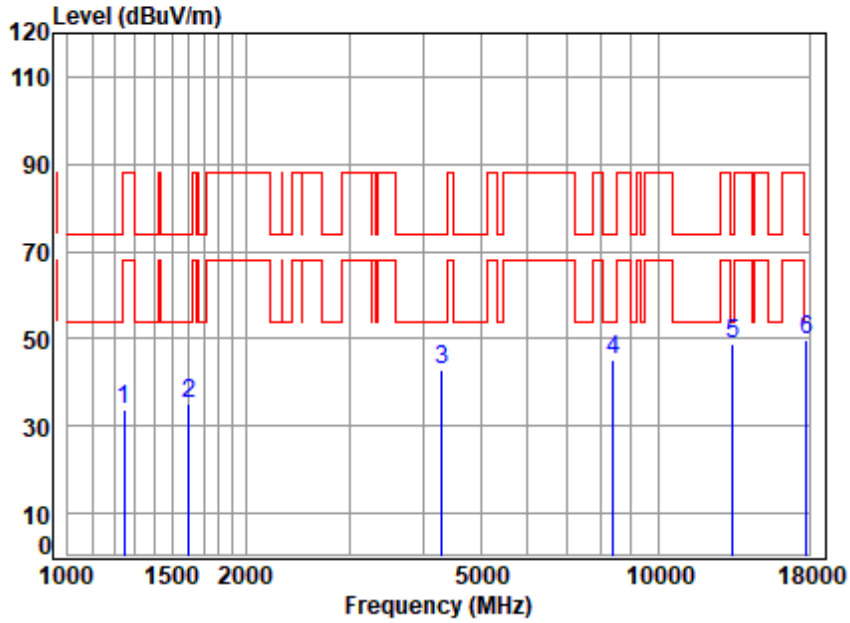
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6695 TX RSE
Note : 6E WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1227.791 | 3.72 | 24.79 | 61.56 | 65.66 | 32.61 | 74.00 | -41.39 | peak |
| 2 | 1702.042 | 4.33 | 26.22 | 61.72 | 65.86 | 34.69 | 74.00 | -39.31 | peak |
| 3 | 4341.886 | 7.07 | 34.34 | 61.49 | 63.17 | 43.09 | 74.00 | -30.91 | peak |
| 4 | 8514.456 | 9.54 | 36.73 | 61.81 | 61.21 | 45.67 | 88.20 | -42.53 | peak |
| 5 | 13390.000 | 12.63 | 38.78 | 62.64 | 59.67 | 48.44 | 74.00 | -25.56 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 51.78 | 49.93 | 74.00 | -24.07 | peak |

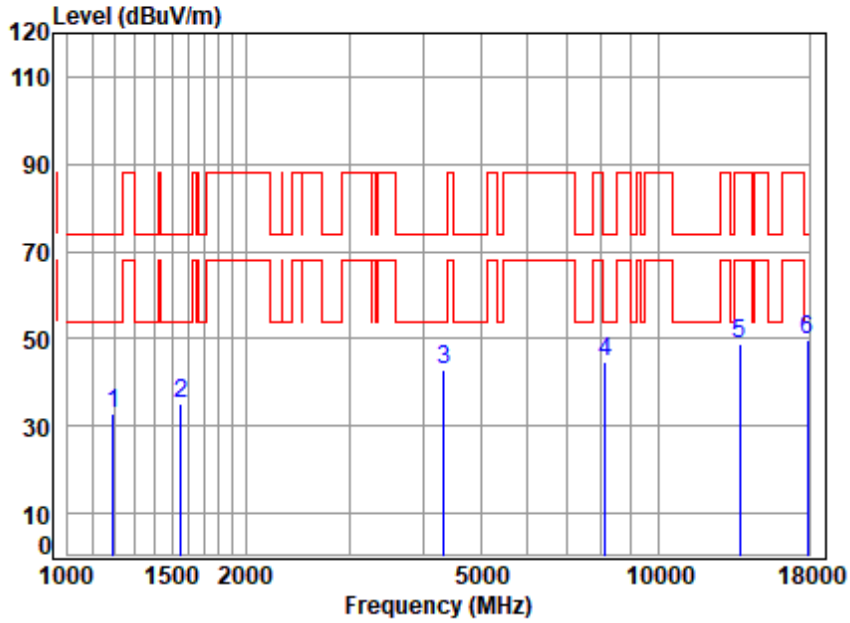
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6695 TX RSE
Note : 6E WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1245.663 | 3.74 | 25.04 | 61.57 | 66.44 | 33.65 | 88.20 | -54.55 | peak |
| 2 | 1606.441 | 4.19 | 26.74 | 61.69 | 65.85 | 35.09 | 74.00 | -38.91 | peak |
| 3 | 4304.400 | 7.02 | 34.04 | 61.46 | 63.37 | 42.97 | 74.00 | -31.03 | peak |
| 4 | 8392.292 | 9.42 | 36.70 | 61.77 | 61.01 | 45.36 | 74.00 | -28.64 | peak |
| 5 | 13390.000 | 12.63 | 38.78 | 62.64 | 59.94 | 48.71 | 74.00 | -25.29 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 51.51 | 49.66 | 74.00 | -24.34 | peak |

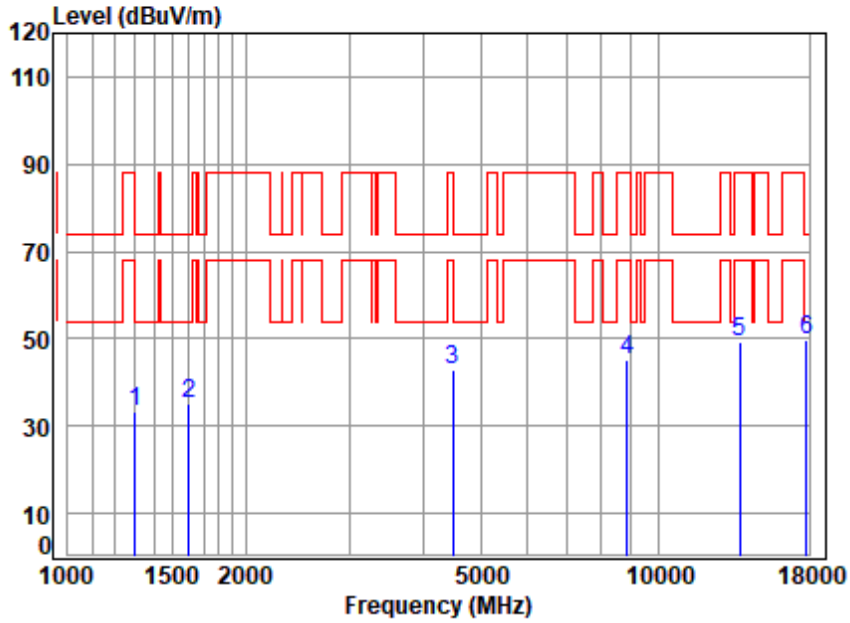
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6855 TX RSE
Note : 6E WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1192.811 | 3.67 | 24.33 | 61.55 | 66.51 | 32.96 | 74.00 | -41.04 | peak |
| 2 | 1556.169 | 4.12 | 26.98 | 61.67 | 65.93 | 35.36 | 74.00 | -38.64 | peak |
| 3 | 4341.886 | 7.07 | 34.34 | 61.49 | 63.19 | 43.11 | 74.00 | -30.89 | peak |
| 4 | 8129.664 | 9.16 | 36.50 | 61.68 | 60.76 | 44.74 | 74.00 | -29.26 | peak |
| 5 | 13710.000 | 12.87 | 39.12 | 62.63 | 59.36 | 48.72 | 88.20 | -39.48 | peak |
| 6 | p17896.250 | 15.35 | 43.90 | 60.99 | 51.46 | 49.72 | 74.00 | -24.28 | peak |

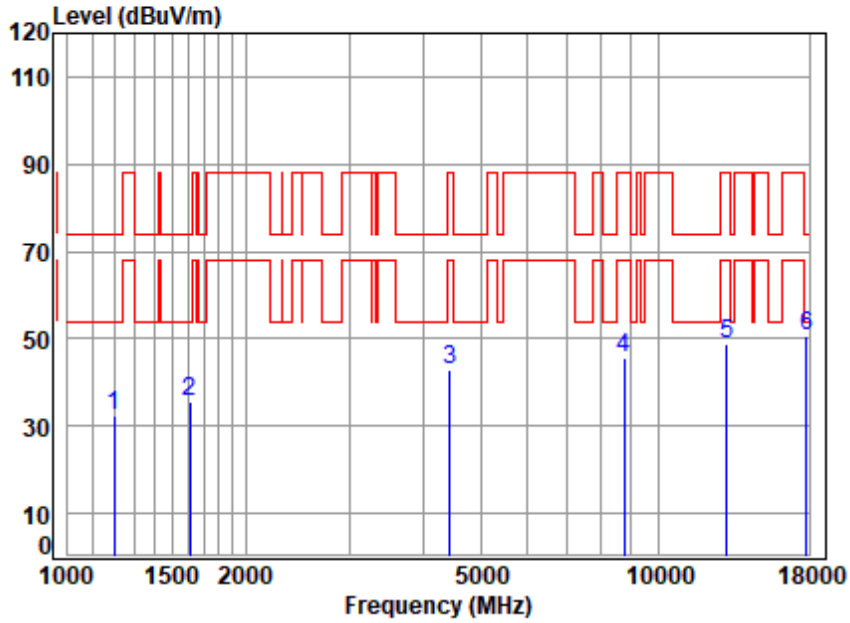
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6855 TX RSE
Note : 6E WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1300.858 | 3.81 | 24.79 | 61.59 | 66.46 | 33.47 | 74.00 | -40.53 | peak |
| 2 | 1606.441 | 4.19 | 26.74 | 61.69 | 65.85 | 35.09 | 74.00 | -38.91 | peak |
| 3 | 4495.125 | 7.24 | 33.66 | 61.62 | 63.73 | 43.01 | 88.20 | -45.19 | peak |
| 4 | 8840.473 | 9.80 | 37.18 | 61.92 | 60.01 | 45.07 | 88.20 | -43.13 | peak |
| 5 | 13710.000 | 12.87 | 39.12 | 62.63 | 60.02 | 49.38 | 88.20 | -38.82 | peak |
| 6 | p17793.090 | 15.23 | 43.89 | 61.09 | 51.90 | 49.93 | 74.00 | -24.07 | peak |

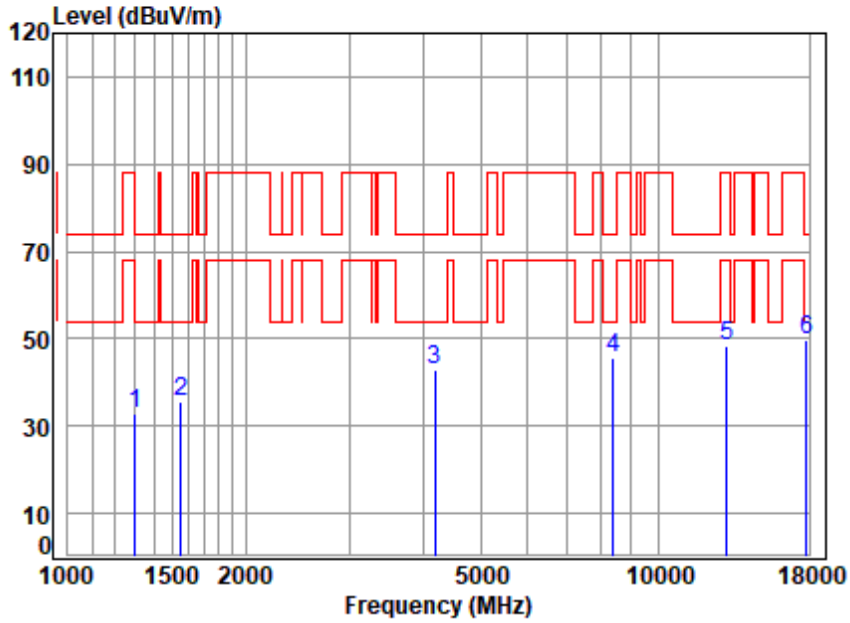
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(52 RU); Bandwidth:20MHz; Channel:Low




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6535 TX RSE
Note : 6E WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1196.264 | 3.68 | 24.36 | 61.55 | 65.89 | 32.38 | 74.00 | -41.62 | peak |
| 2 | 1611.091 | 4.20 | 26.69 | 61.69 | 66.16 | 35.36 | 74.00 | -38.64 | peak |
| 3 | 4430.628 | 7.17 | 34.43 | 61.57 | 63.08 | 43.11 | 88.20 | -45.09 | peak |
| 4 | 8738.852 | 9.72 | 36.90 | 61.89 | 61.11 | 45.84 | 88.20 | -42.36 | peak |
| 5 | 13070.000 | 12.29 | 38.31 | 62.66 | 61.04 | 48.98 | 88.20 | -39.22 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.36 | 50.51 | 74.00 | -23.49 | peak |

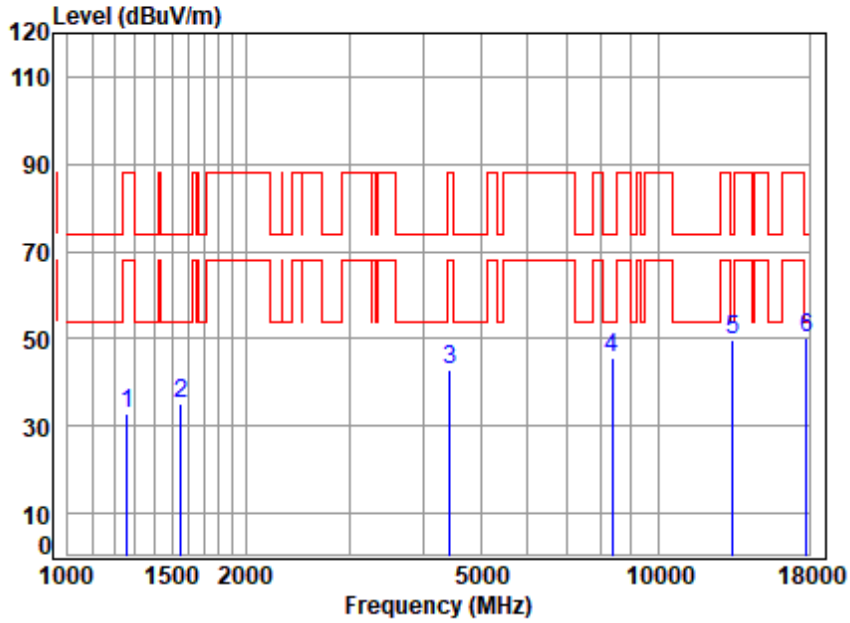
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(52 RU); Bandwidth:20MHz; Channel:Low




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6535 TX RSE
Note : 6E WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1300.858 | 3.81 | 24.79 | 61.59 | 65.88 | 32.89 | 74.00 | -41.11 | peak |
| 2 | 1556.169 | 4.12 | 26.98 | 61.67 | 66.16 | 35.59 | 74.00 | -38.41 | peak |
| 3 | 4181.768 | 6.88 | 33.80 | 61.34 | 63.40 | 42.74 | 74.00 | -31.26 | peak |
| 4 | 8392.292 | 9.42 | 36.70 | 61.77 | 61.39 | 45.74 | 74.00 | -28.26 | peak |
| 5 | 13070.000 | 12.29 | 38.31 | 62.66 | 60.62 | 48.56 | 88.20 | -39.64 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 51.63 | 49.78 | 74.00 | -24.22 | peak |

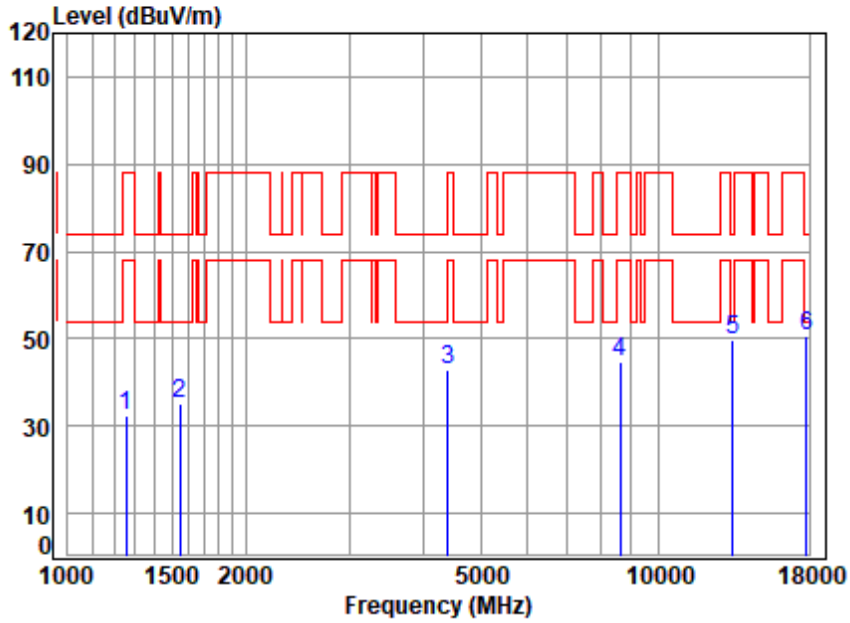
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(52 RU); Bandwidth:20MHz; Channel:middle




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6695 TX RSE
Note : 6E WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1260.149 | 3.76 | 25.04 | 61.58 | 65.41 | 32.63 | 88.20 | -55.57 | peak |
| 2 | 1556.169 | 4.12 | 26.98 | 61.67 | 65.78 | 35.21 | 74.00 | -38.79 | peak |
| 3 | 4443.453 | 7.19 | 34.28 | 61.58 | 63.20 | 43.09 | 88.20 | -45.11 | peak |
| 4 | 8368.069 | 9.40 | 36.70 | 61.76 | 61.11 | 45.45 | 74.00 | -28.55 | peak |
| 5 | 13390.000 | 12.63 | 38.78 | 62.64 | 60.96 | 49.73 | 74.00 | -24.27 | peak |
| 6 | p17793.090 | 15.23 | 43.89 | 61.09 | 52.11 | 50.14 | 74.00 | -23.86 | peak |

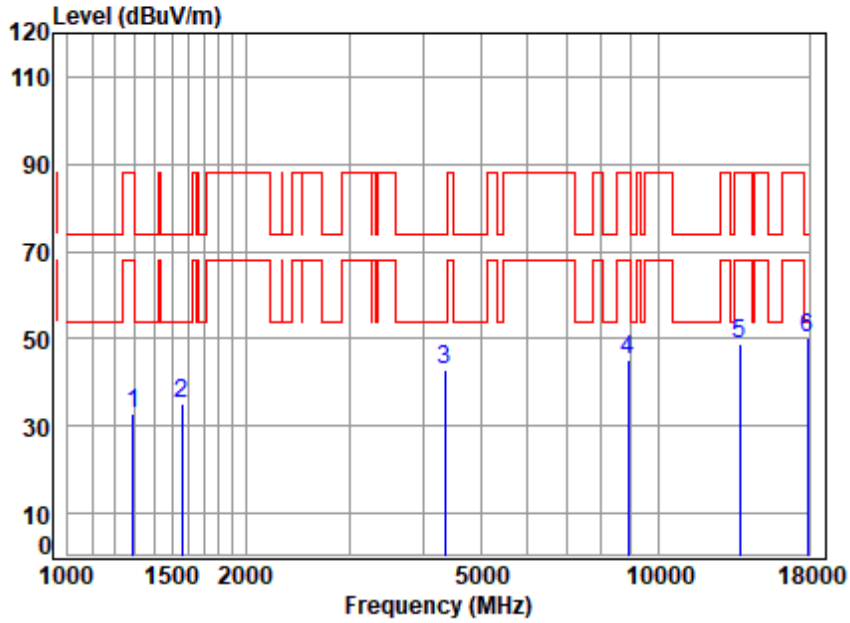
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(52 RU); Bandwidth:20MHz; Channel:middle




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6695 TX RSE
Note : 6E WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1256.512 | 3.76 | 25.06 | 61.58 | 64.97 | 32.21 | 88.20 | -55.99 | peak |
| 2 | 1547.199 | 4.11 | 26.99 | 61.67 | 65.66 | 35.09 | 74.00 | -38.91 | peak |
| 3 | 4405.090 | 7.14 | 34.74 | 61.55 | 62.70 | 43.03 | 88.20 | -45.17 | peak |
| 4 | 8613.468 | 9.62 | 36.90 | 61.85 | 60.16 | 44.83 | 88.20 | -43.37 | peak |
| 5 | 13390.000 | 12.63 | 38.78 | 62.64 | 61.08 | 49.85 | 74.00 | -24.15 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.43 | 50.58 | 74.00 | -23.42 | peak |

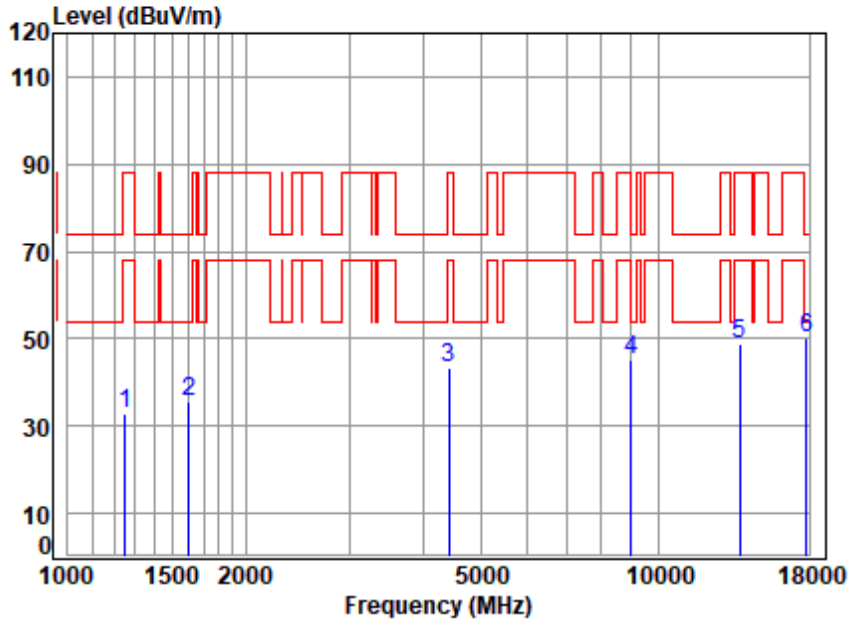
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(52 RU); Bandwidth:20MHz; Channel:High




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6855 TX RSE
Note : 6E WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1289.627 | 3.80 | 24.86 | 61.59 | 65.64 | 32.71 | 88.20 | -55.49 | peak |
| 2 | 1560.673 | 4.13 | 26.96 | 61.68 | 65.64 | 35.05 | 74.00 | -38.95 | peak |
| 3 | 4354.454 | 7.08 | 34.44 | 61.50 | 62.78 | 42.80 | 74.00 | -31.20 | peak |
| 4 | 8891.725 | 9.84 | 37.20 | 61.93 | 59.97 | 45.08 | 88.20 | -43.12 | peak |
| 5 | 13710.000 | 12.87 | 39.12 | 62.63 | 59.25 | 48.61 | 88.20 | -39.59 | peak |
| 6 | p17896.250 | 15.35 | 43.90 | 60.99 | 52.13 | 50.39 | 74.00 | -23.61 | peak |

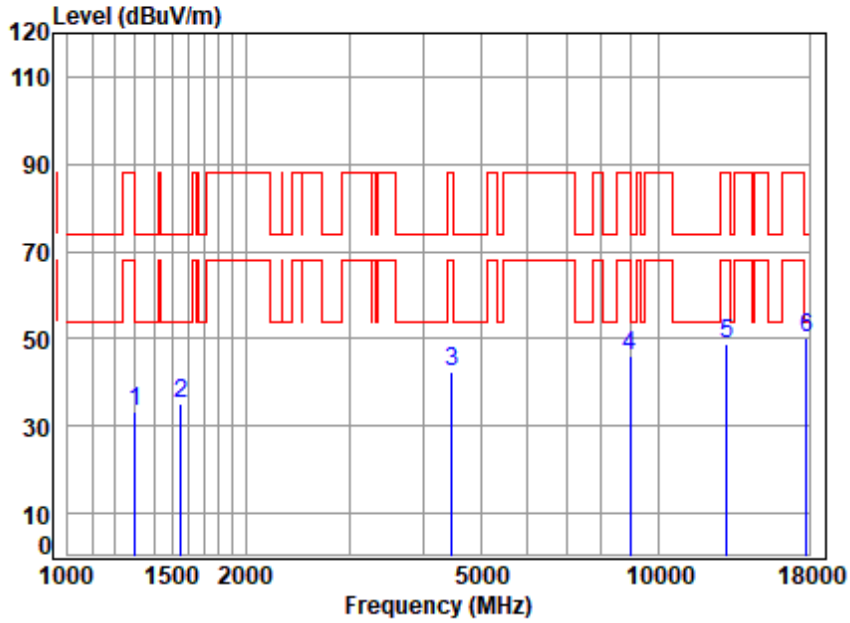
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(52 RU); Bandwidth:20MHz; Channel:High




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6855 TX RSE
Note : 6E WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1252.885 | 3.75 | 25.08 | 61.57 | 65.72 | 32.98 | 88.20 | -55.22 | peak |
| 2 | 1606.441 | 4.19 | 26.74 | 61.69 | 66.28 | 35.52 | 74.00 | -38.48 | peak |
| 3 | 4417.841 | 7.16 | 34.59 | 61.56 | 63.18 | 43.37 | 88.20 | -44.83 | peak |
| 4 | 8995.123 | 9.92 | 36.91 | 61.97 | 60.23 | 45.09 | 88.20 | -43.11 | peak |
| 5 | 13710.000 | 12.87 | 39.12 | 62.63 | 59.41 | 48.77 | 88.20 | -39.43 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.25 | 50.40 | 74.00 | -23.60 | peak |

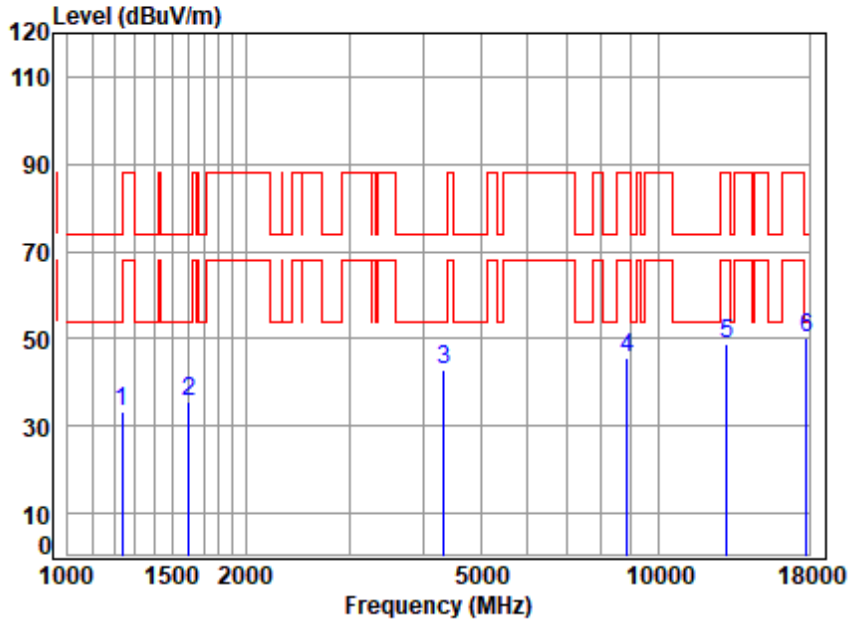
Test Mode: 09; Polarity: Horizontal; Hob Position Left; Bandwidth:20MHz; Channel:Low;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6535 TX RSE
Note : 6E WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1300.858 | 3.81 | 24.79 | 61.59 | 66.40 | 33.41 | 74.00 | -40.59 | peak |
| 2 | 1556.169 | 4.12 | 26.98 | 61.67 | 65.69 | 35.12 | 74.00 | -38.88 | peak |
| 3 | 4469.214 | 7.22 | 33.97 | 61.60 | 63.04 | 42.63 | 88.20 | -45.57 | peak |
| 4 | 8943.274 | 9.88 | 37.03 | 61.95 | 61.05 | 46.01 | 88.20 | -42.19 | peak |
| 5 | 13070.000 | 12.29 | 38.31 | 62.66 | 60.90 | 48.84 | 88.20 | -39.36 | peak |
| 6 | p17793.090 | 15.23 | 43.89 | 61.09 | 52.03 | 50.06 | 74.00 | -23.94 | peak |

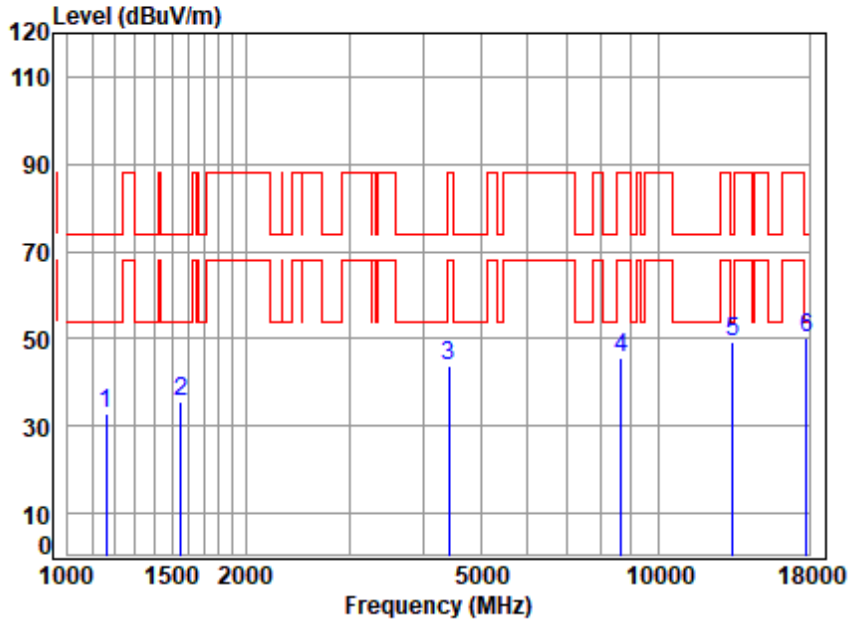
Test Mode: 09; Polarity: Vertical; Hob Position Left; Bandwidth:20MHz; Channel:Low;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6535 TX RSE
Note : 6E WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1238.483 | 3.73 | 24.94 | 61.57 | 66.42 | 33.52 | 74.00 | -40.48 | peak |
| 2 | 1601.804 | 4.19 | 26.78 | 61.69 | 66.43 | 35.71 | 74.00 | -38.29 | peak |
| 3 | 4329.354 | 7.05 | 34.23 | 61.48 | 63.13 | 42.93 | 74.00 | -31.07 | peak |
| 4 | 8866.062 | 9.82 | 37.20 | 61.93 | 60.56 | 45.65 | 88.20 | -42.55 | peak |
| 5 | 13070.000 | 12.29 | 38.31 | 62.66 | 60.88 | 48.82 | 88.20 | -39.38 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.18 | 50.33 | 74.00 | -23.67 | peak |

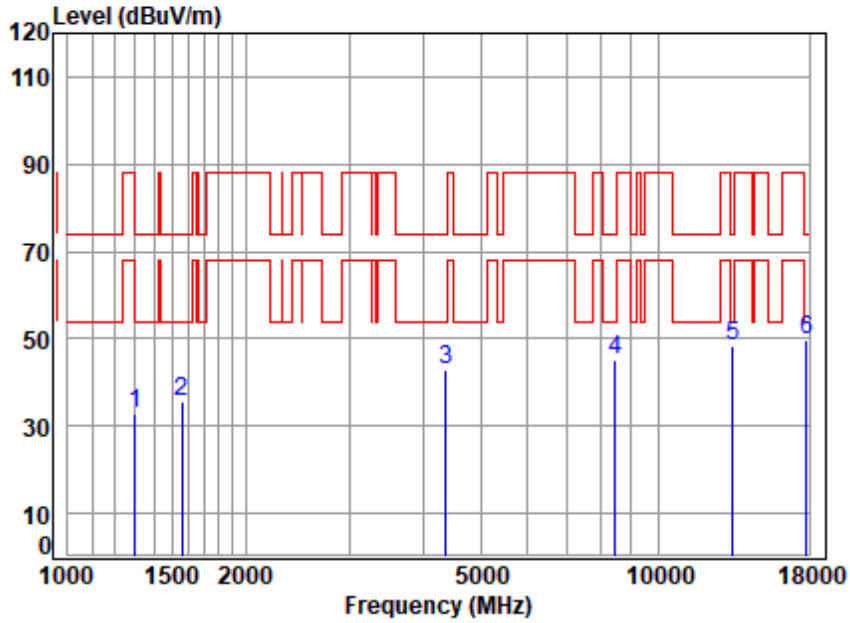
Test Mode: 09; Polarity: Horizontal; Hob Position Left; Bandwidth:20MHz; Channel:middle;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6695 TX RSE
Note : 6E WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1162.182 | 3.63 | 24.02 | 61.54 | 66.78 | 32.89 | 74.00 | -41.11 | peak |
| 2 | 1556.169 | 4.12 | 26.98 | 61.67 | 66.10 | 35.53 | 74.00 | -38.47 | peak |
| 3 | 4417.841 | 7.16 | 34.59 | 61.56 | 63.64 | 43.83 | 88.20 | -44.37 | peak |
| 4 | 8663.404 | 9.66 | 36.90 | 61.86 | 60.98 | 45.68 | 88.20 | -42.52 | peak |
| 5 | 13390.000 | 12.63 | 38.78 | 62.64 | 60.47 | 49.24 | 74.00 | -24.76 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.26 | 50.41 | 74.00 | -23.59 | peak |

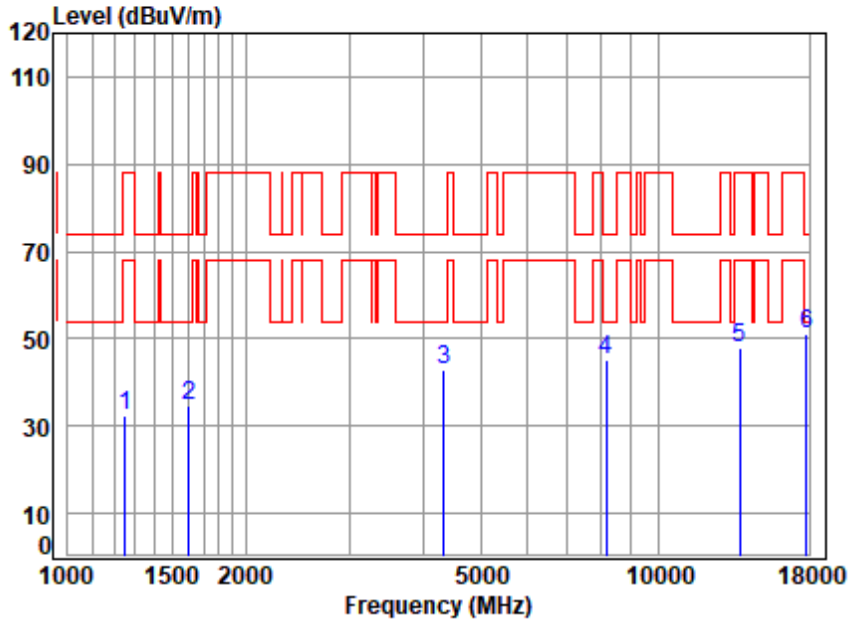
Test Mode: 09; Polarity: Vertical; Hob Position Left; Bandwidth:20MHz; Channel:middle;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6695 TX RSE
Note : 6E WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1300.858 | 3.81 | 24.79 | 61.59 | 65.78 | 32.79 | 74.00 | -41.21 | peak |
| 2 | 1560.673 | 4.13 | 26.96 | 61.68 | 66.35 | 35.76 | 74.00 | -38.24 | peak |
| 3 | 4367.058 | 7.10 | 34.54 | 61.51 | 62.71 | 42.84 | 74.00 | -31.16 | peak |
| 4 | 8440.945 | 9.47 | 36.62 | 61.79 | 60.74 | 45.04 | 74.00 | -28.96 | peak |
| 5 | 13390.000 | 12.63 | 38.78 | 62.64 | 59.70 | 48.47 | 74.00 | -25.53 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 51.60 | 49.75 | 74.00 | -24.25 | peak |

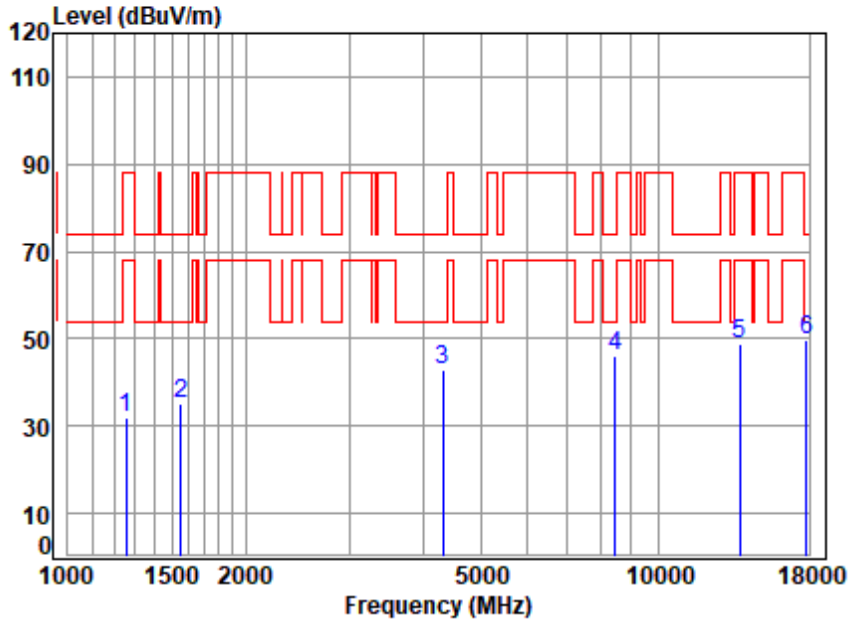
Test Mode: 09; Polarity: Horizontal; Hob Position Left; Bandwidth:20MHz; Channel:High;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6855 TX RSE
Note : 6E WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1252.885 | 3.75 | 25.08 | 61.57 | 65.01 | 32.27 | 88.20 | -55.93 | peak |
| 2 | 1606.441 | 4.19 | 26.74 | 61.69 | 65.63 | 34.87 | 74.00 | -39.13 | peak |
| 3 | 4341.886 | 7.07 | 34.34 | 61.49 | 62.74 | 42.66 | 74.00 | -31.34 | peak |
| 4 | 8176.795 | 9.21 | 36.55 | 61.70 | 61.22 | 45.28 | 74.00 | -28.72 | peak |
| 5 | 13710.000 | 12.87 | 39.12 | 62.63 | 58.59 | 47.95 | 88.20 | -40.25 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 53.08 | 51.23 | 74.00 | -22.77 | peak |

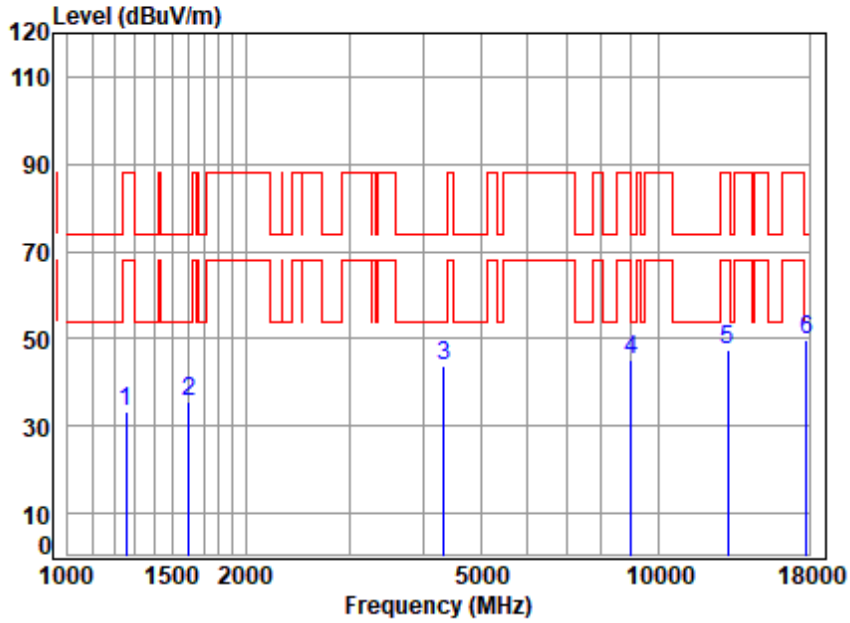
Test Mode: 09; Polarity: Vertical; Hob Position Left; Bandwidth:20MHz; Channel:High;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6855 TX RSE
Note : 6E WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1256.512 | 3.76 | 25.06 | 61.58 | 64.89 | 32.13 | 88.20 | -56.07 | peak |
| 2 | 1551.677 | 4.12 | 26.99 | 61.67 | 65.68 | 35.12 | 74.00 | -38.88 | peak |
| 3 | 4316.859 | 7.04 | 34.13 | 61.47 | 63.04 | 42.74 | 74.00 | -31.26 | peak |
| 4 | 8465.379 | 9.50 | 36.63 | 61.80 | 61.54 | 45.87 | 74.00 | -28.13 | peak |
| 5 | 13710.000 | 12.87 | 39.12 | 62.63 | 59.44 | 48.80 | 88.20 | -39.40 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 51.75 | 49.90 | 74.00 | -24.10 | peak |

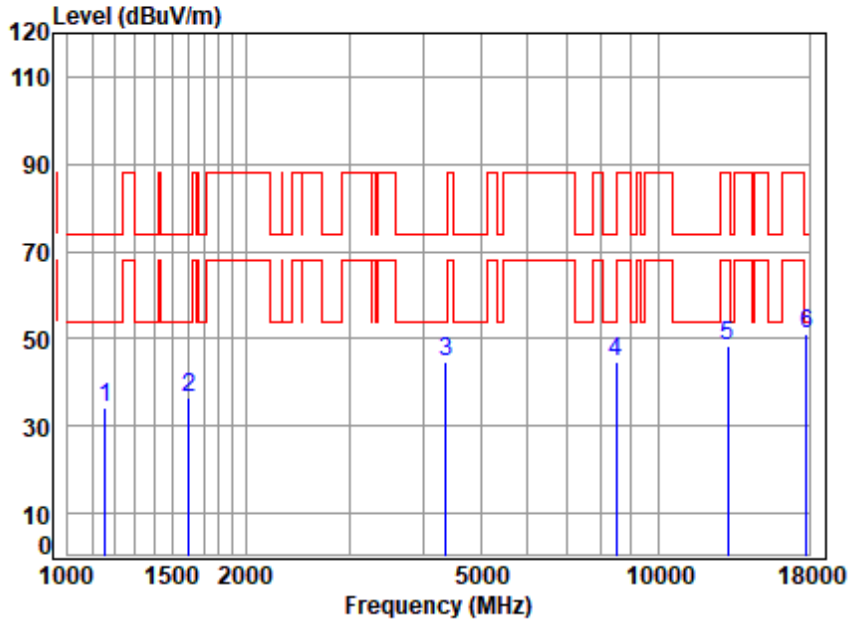
Test Mode: 09; Polarity: Horizontal; Hob Position Left; Bandwidth:40MHz; Channel:Low;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6565 TX RSE
Note : 6E WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1256.512 | 3.76 | 25.06 | 61.58 | 66.20 | 33.44 | 88.20 | -54.76 | peak |
| 2 | 1601.804 | 4.19 | 26.78 | 61.69 | 66.42 | 35.70 | 74.00 | -38.30 | peak |
| 3 | 4341.886 | 7.07 | 34.34 | 61.49 | 63.99 | 43.91 | 74.00 | -30.09 | peak |
| 4 | 8995.123 | 9.92 | 36.91 | 61.97 | 60.42 | 45.28 | 88.20 | -42.92 | peak |
| 5 | 13130.000 | 12.35 | 38.46 | 62.66 | 59.19 | 47.34 | 88.20 | -40.86 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 51.75 | 49.90 | 74.00 | -24.10 | peak |

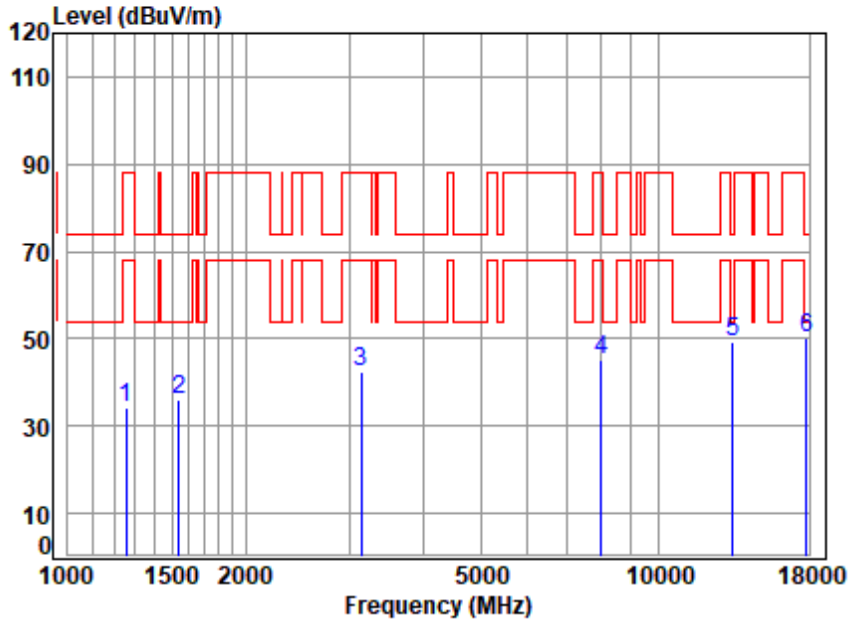
Test Mode: 09; Polarity: Vertical; Hob Position Left; Bandwidth:40MHz; Channel:Low;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6565 TX RSE
Note : 6E WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1158.828 | 3.63 | 23.99 | 61.54 | 68.09 | 34.17 | 74.00 | -39.83 | peak |
| 2 | 1606.441 | 4.19 | 26.74 | 61.69 | 67.26 | 36.50 | 74.00 | -37.50 | peak |
| 3 | 4367.058 | 7.10 | 34.54 | 61.51 | 64.40 | 44.53 | 74.00 | -29.47 | peak |
| 4 | 8489.882 | 9.52 | 36.68 | 61.81 | 60.55 | 44.94 | 74.00 | -29.06 | peak |
| 5 | 13130.000 | 12.35 | 38.46 | 62.66 | 60.02 | 48.17 | 88.20 | -40.03 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.75 | 50.90 | 74.00 | -23.10 | peak |

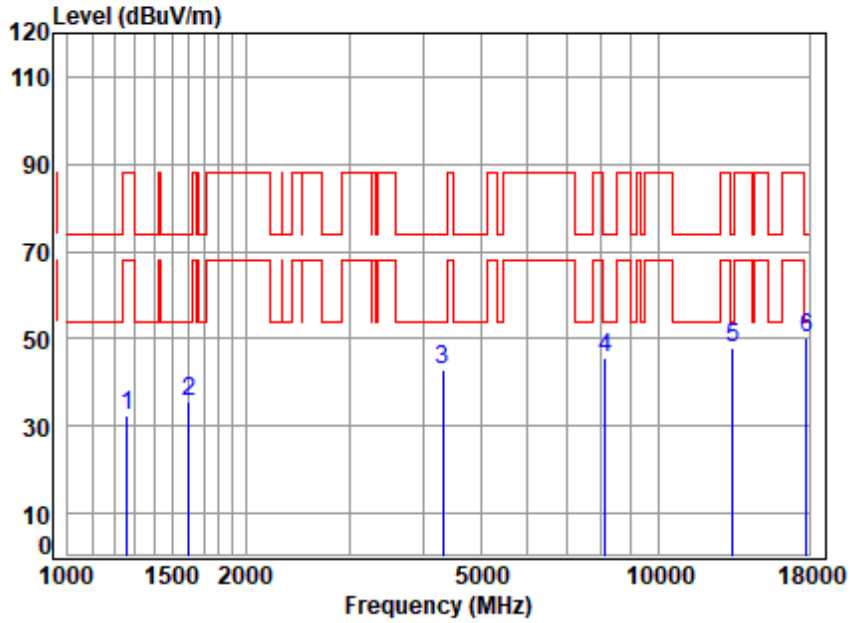
Test Mode: 09; Polarity: Horizontal; Hob Position Left; Bandwidth:40MHz; Channel:middle;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6685 TX RSE
Note : 6E WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1256.512 | 3.76 | 25.06 | 61.58 | 66.88 | 34.12 | 88.20 | -54.08 | peak |
| 2 | 1542.733 | 4.10 | 26.97 | 61.67 | 66.47 | 35.87 | 74.00 | -38.13 | peak |
| 3 | 3141.145 | 6.20 | 32.34 | 61.38 | 65.34 | 42.50 | 88.20 | -45.70 | peak |
| 4 | 8013.020 | 9.04 | 36.40 | 61.64 | 61.43 | 45.23 | 88.20 | -42.97 | peak |
| 5 | 13370.000 | 12.61 | 38.74 | 62.65 | 60.45 | 49.15 | 74.00 | -24.85 | peak |
| 6 | p17793.090 | 15.23 | 43.89 | 61.09 | 52.35 | 50.38 | 74.00 | -23.62 | peak |

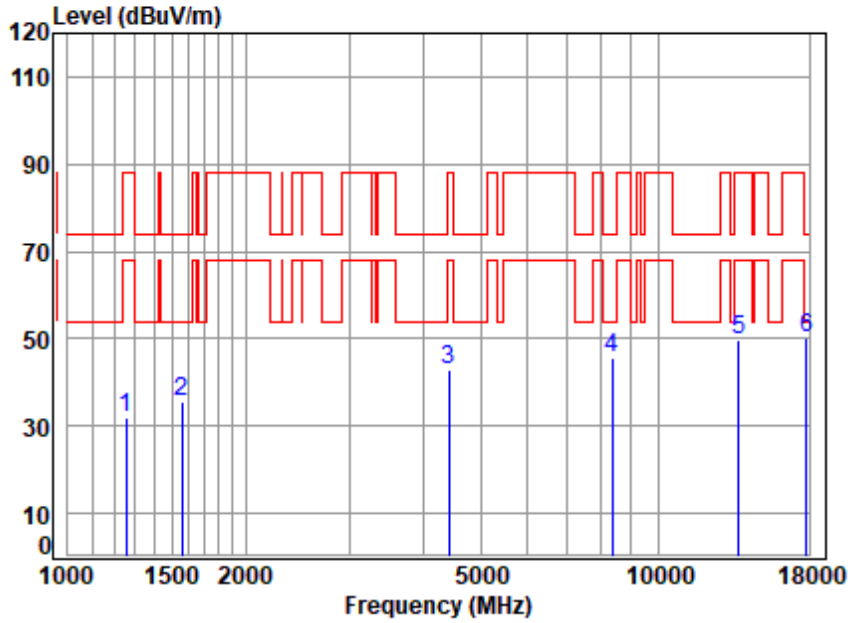
Test Mode: 09; Polarity: Vertical; Hob Position Left; Bandwidth:40MHz; Channel:middle;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6685 TX RSE
Note : 6E WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1260.149 | 3.76 | 25.04 | 61.58 | 65.30 | 32.52 | 88.20 | -55.68 | peak |
| 2 | 1606.441 | 4.19 | 26.74 | 61.69 | 66.55 | 35.79 | 74.00 | -38.21 | peak |
| 3 | 4316.859 | 7.04 | 34.13 | 61.47 | 63.01 | 42.71 | 74.00 | -31.29 | peak |
| 4 | 8129.664 | 9.16 | 36.50 | 61.68 | 61.69 | 45.67 | 74.00 | -28.33 | peak |
| 5 | 13370.000 | 12.61 | 38.74 | 62.65 | 59.30 | 48.00 | 74.00 | -26.00 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.20 | 50.35 | 74.00 | -23.65 | peak |

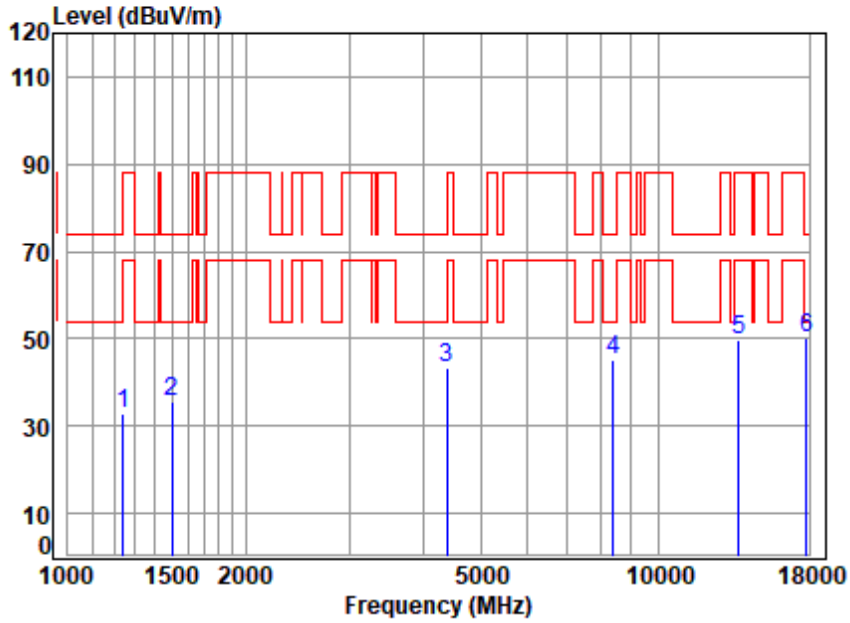
Test Mode: 09; Polarity: Horizontal; Hob Position Left; Bandwidth:40MHz; Channel:High;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6845 TX RSE
Note : 6E WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1256.512 | 3.76 | 25.06 | 61.58 | 64.88 | 32.12 | 88.20 | -56.08 | peak |
| 2 | 1560.673 | 4.13 | 26.96 | 61.68 | 65.96 | 35.37 | 74.00 | -38.63 | peak |
| 3 | 4417.841 | 7.16 | 34.59 | 61.56 | 62.69 | 42.88 | 88.20 | -45.32 | peak |
| 4 | 8343.918 | 9.38 | 36.70 | 61.76 | 61.19 | 45.51 | 74.00 | -28.49 | peak |
| 5 | 13690.000 | 12.86 | 39.08 | 62.63 | 60.54 | 49.85 | 88.20 | -38.35 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 51.84 | 49.99 | 74.00 | -24.01 | peak |

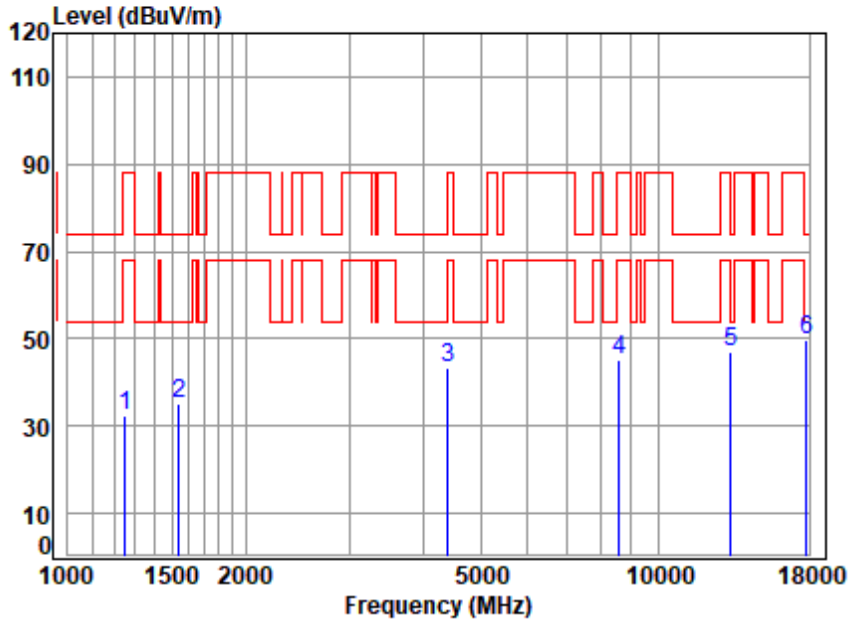
Test Mode: 09; Polarity: Vertical; Hob Position Left; Bandwidth:40MHz; Channel:High;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6845 TX RSE
Note : 6E WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1242.068 | 3.74 | 24.99 | 61.57 | 65.59 | 32.75 | 88.20 | -55.45 | peak |
| 2 | 1503.119 | 4.04 | 26.81 | 61.66 | 66.42 | 35.61 | 74.00 | -38.39 | peak |
| 3 | 4379.699 | 7.11 | 34.64 | 61.52 | 63.01 | 43.24 | 74.00 | -30.76 | peak |
| 4 | 8392.292 | 9.42 | 36.70 | 61.77 | 61.01 | 45.36 | 74.00 | -28.64 | peak |
| 5 | 13690.000 | 12.86 | 39.08 | 62.63 | 60.25 | 49.56 | 88.20 | -38.64 | peak |
| 6 | p17793.090 | 15.23 | 43.89 | 61.09 | 52.25 | 50.28 | 74.00 | -23.72 | peak |

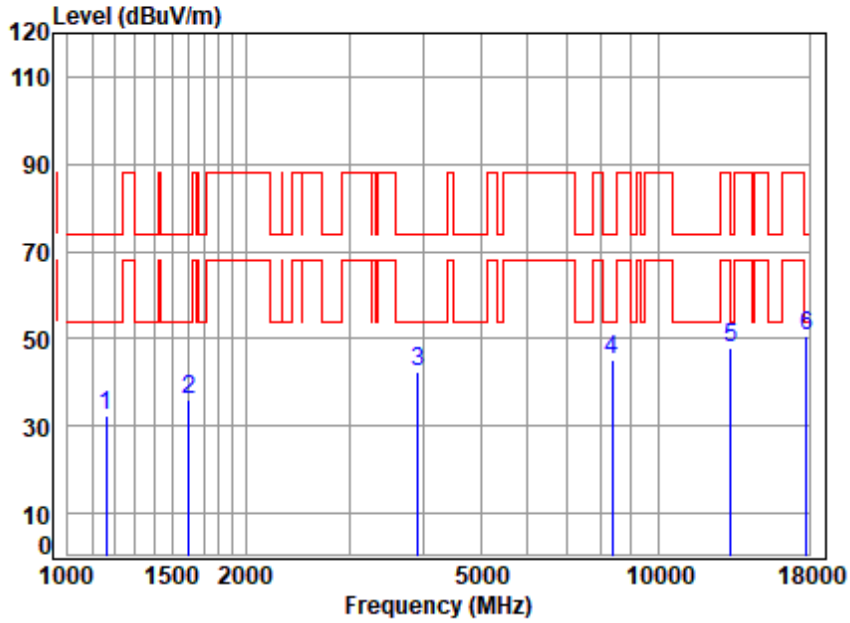
Test Mode: 09; Polarity: Horizontal; Hob Position Left; Bandwidth:80MHz; Channel:Low;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6625 TX RSE
Note : 6E WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1249.269 | 3.75 | 25.09 | 61.57 | 65.20 | 32.47 | 88.20 | -55.73 | peak |
| 2 | 1542.733 | 4.10 | 26.97 | 61.67 | 65.55 | 34.95 | 74.00 | -39.05 | peak |
| 3 | 4405.090 | 7.14 | 34.74 | 61.55 | 63.00 | 43.33 | 88.20 | -44.87 | peak |
| 4 | 8588.607 | 9.60 | 36.88 | 61.84 | 60.48 | 45.12 | 88.20 | -43.08 | peak |
| 5 | 13250.000 | 12.48 | 38.60 | 62.65 | 58.75 | 47.18 | 74.00 | -26.82 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 51.65 | 49.80 | 74.00 | -24.20 | peak |

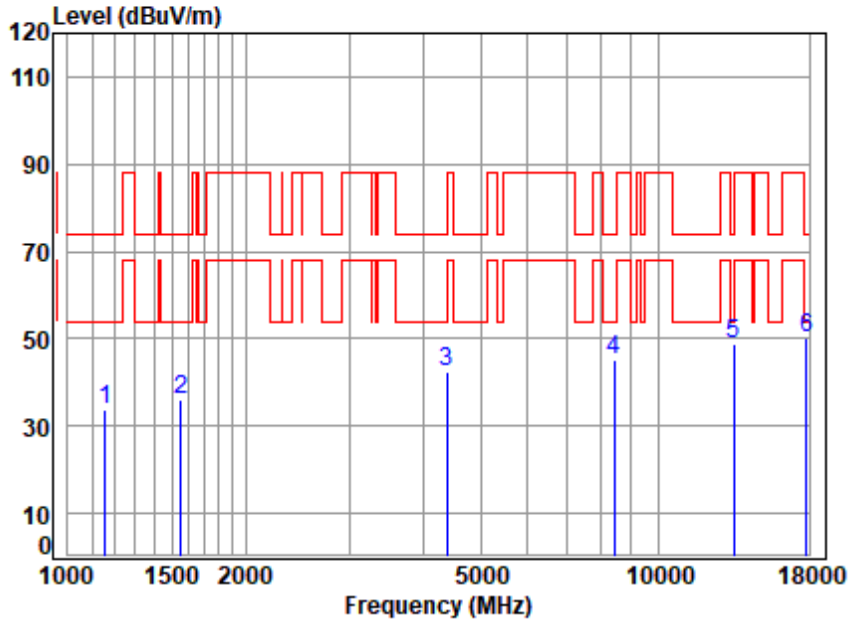
Test Mode: 09; Polarity: Vertical; Hob Position Left; Bandwidth:80MHz; Channel:Low;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6625 TX RSE
Note : 6E WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1162.182 | 3.63 | 24.02 | 61.54 | 66.14 | 32.25 | 74.00 | -41.75 | peak |
| 2 | 1606.441 | 4.19 | 26.74 | 61.69 | 66.63 | 35.87 | 74.00 | -38.13 | peak |
| 3 | 3924.135 | 6.63 | 33.66 | 61.19 | 63.40 | 42.50 | 74.00 | -31.50 | peak |
| 4 | 8368.069 | 9.40 | 36.70 | 61.76 | 60.64 | 44.98 | 74.00 | -29.02 | peak |
| 5 | 13250.000 | 12.48 | 38.60 | 62.65 | 59.61 | 48.04 | 74.00 | -25.96 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.39 | 50.54 | 74.00 | -23.46 | peak |

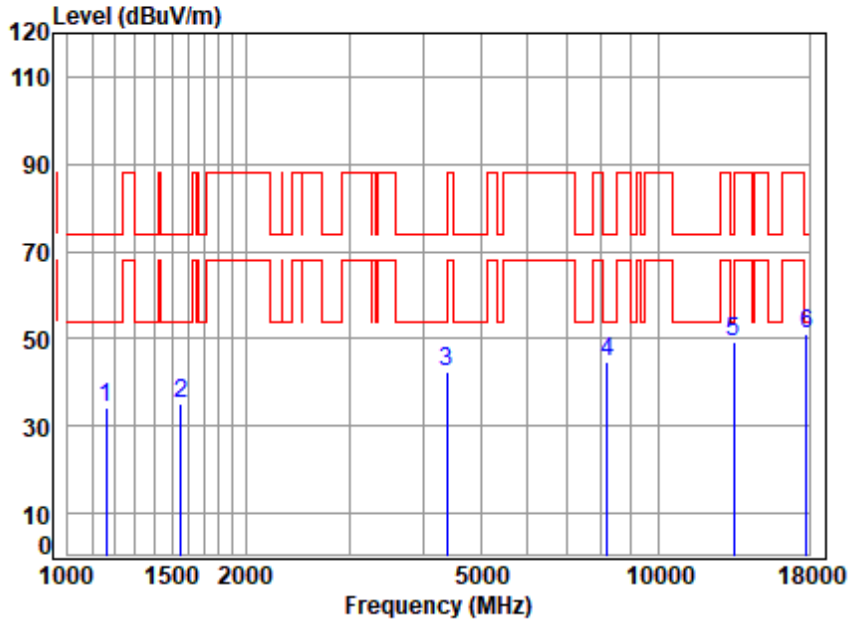
Test Mode: 09; Polarity: Horizontal; Hob Position Left; Bandwidth:80MHz; Channel:middle;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6705 TX RSE
Note : 6E WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1158.828 | 3.63 | 23.99 | 61.54 | 67.67 | 33.75 | 74.00 | -40.25 | peak |
| 2 | 1556.169 | 4.12 | 26.98 | 61.67 | 66.47 | 35.90 | 74.00 | -38.10 | peak |
| 3 | 4392.376 | 7.13 | 34.74 | 61.53 | 62.26 | 42.60 | 74.00 | -31.40 | peak |
| 4 | 8416.584 | 9.45 | 36.67 | 61.78 | 60.85 | 45.19 | 74.00 | -28.81 | peak |
| 5 | 13410.000 | 12.65 | 38.80 | 62.64 | 60.19 | 49.00 | 88.20 | -39.20 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.05 | 50.20 | 74.00 | -23.80 | peak |

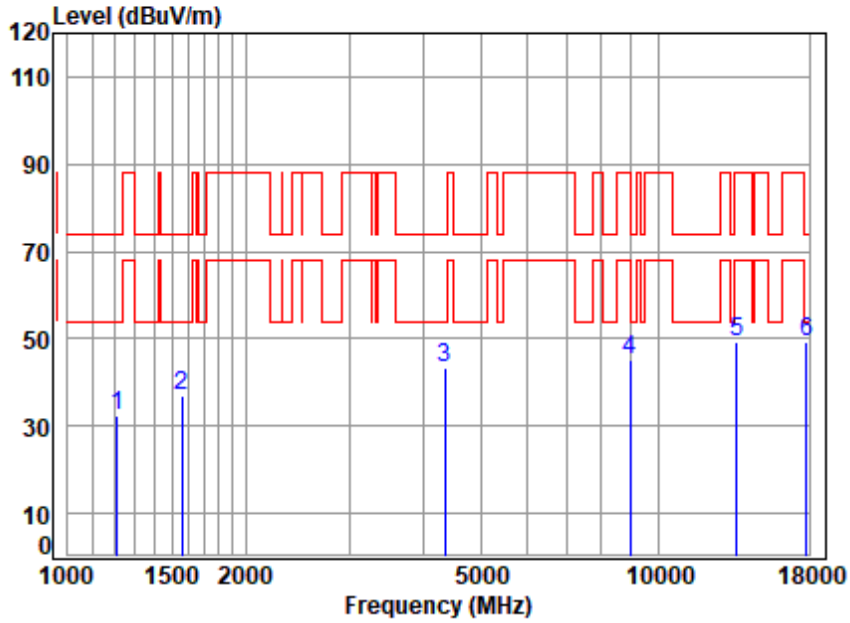
Test Mode: 09; Polarity: Vertical; Hob Position Left; Bandwidth:80MHz; Channel:middle;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6705 TX RSE
Note : 6E WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1162.182 | 3.63 | 24.02 | 61.54 | 68.09 | 34.20 | 74.00 | -39.80 | peak |
| 2 | 1556.169 | 4.12 | 26.98 | 61.67 | 65.65 | 35.08 | 74.00 | -38.92 | peak |
| 3 | 4379.699 | 7.11 | 34.64 | 61.52 | 62.32 | 42.55 | 74.00 | -31.45 | peak |
| 4 | 8200.463 | 9.23 | 36.60 | 61.71 | 60.67 | 44.79 | 74.00 | -29.21 | peak |
| 5 | 13410.000 | 12.65 | 38.80 | 62.64 | 60.25 | 49.06 | 88.20 | -39.14 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 53.10 | 51.25 | 74.00 | -22.75 | peak |

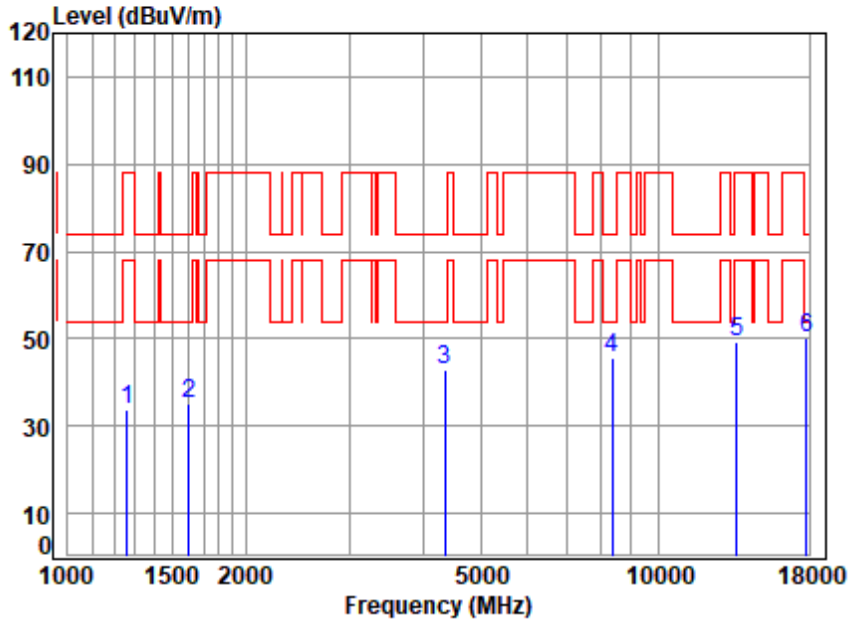
Test Mode: 09; Polarity: Horizontal; Hob Position Left; Bandwidth:80MHz; Channel:High;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6785 TX RSE
Note : 6E WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1213.677 | 3.70 | 24.59 | 61.56 | 65.61 | 32.34 | 74.00 | -41.66 | peak |
| 2 | 1560.673 | 4.13 | 26.96 | 61.68 | 67.38 | 36.79 | 74.00 | -37.21 | peak |
| 3 | 4354.454 | 7.08 | 34.44 | 61.50 | 63.40 | 43.42 | 74.00 | -30.58 | peak |
| 4 | 8969.161 | 9.90 | 36.96 | 61.96 | 60.09 | 44.99 | 88.20 | -43.21 | peak |
| 5 | 13570.000 | 12.79 | 38.87 | 62.63 | 60.22 | 49.25 | 88.20 | -38.95 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 51.22 | 49.37 | 74.00 | -24.63 | peak |

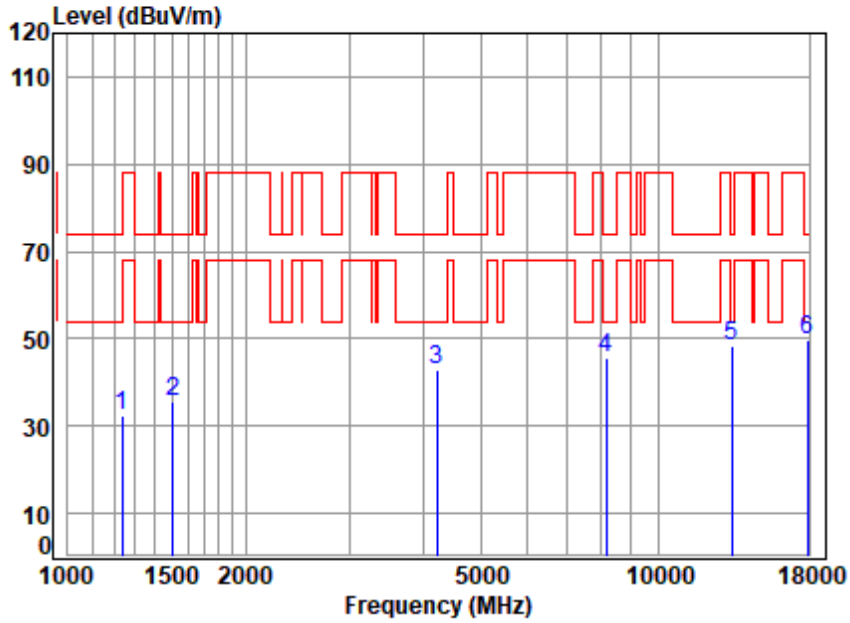
Test Mode: 09; Polarity: Vertical; Hob Position Left; Bandwidth:80MHz; Channel:High;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6785 TX RSE
Note : 6E WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1260.149 | 3.76 | 25.04 | 61.58 | 66.35 | 33.57 | 88.20 | -54.63 | peak |
| 2 | 1606.441 | 4.19 | 26.74 | 61.69 | 65.77 | 35.01 | 74.00 | -38.99 | peak |
| 3 | 4354.454 | 7.08 | 34.44 | 61.50 | 62.97 | 42.99 | 74.00 | -31.01 | peak |
| 4 | 8368.069 | 9.40 | 36.70 | 61.76 | 61.25 | 45.59 | 74.00 | -28.41 | peak |
| 5 | 13570.000 | 12.79 | 38.87 | 62.63 | 60.31 | 49.34 | 88.20 | -38.86 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.21 | 50.36 | 74.00 | -23.64 | peak |

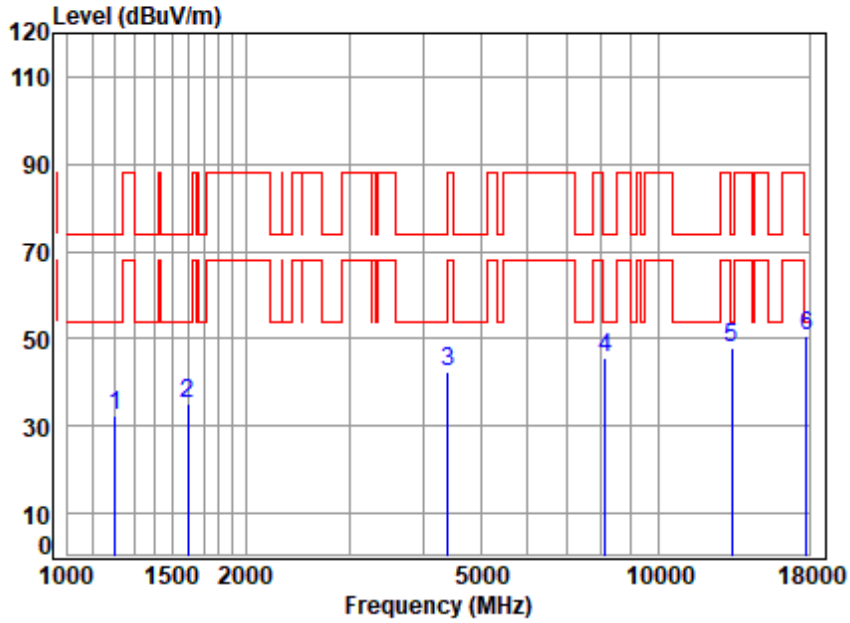
Test Mode: 09; Polarity: Horizontal; Hob Position Left; Bandwidth:160MHz; Channel:middle;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6665 TX RSE
Note : 6E WIFI 11BE160 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1238.483 | 3.73 | 24.94 | 61.57 | 65.51 | 32.61 | 74.00 | -41.39 | peak |
| 2 | 1507.470 | 4.05 | 26.83 | 61.66 | 66.29 | 35.51 | 74.00 | -38.49 | peak |
| 3 | 4218.186 | 6.92 | 33.80 | 61.38 | 63.36 | 42.70 | 74.00 | -31.30 | peak |
| 4 | 8176.795 | 9.21 | 36.55 | 61.70 | 61.45 | 45.51 | 74.00 | -28.49 | peak |
| 5 | 13330.000 | 12.57 | 38.66 | 62.65 | 59.84 | 48.42 | 74.00 | -25.58 | peak |
| 6 | p17896.250 | 15.35 | 43.90 | 60.99 | 51.70 | 49.96 | 74.00 | -24.04 | peak |

Test Mode: 09; Polarity: Vertical; Hob Position Left; Bandwidth:160MHz; Channel:middle;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6665 TX RSE
Note : 6E WIFI 11BE160 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1203.199 | 3.69 | 24.44 | 61.56 | 65.84 | 32.41 | 74.00 | -41.59 | peak |
| 2 | 1597.181 | 4.18 | 26.81 | 61.69 | 65.92 | 35.22 | 74.00 | -38.78 | peak |
| 3 | 4405.090 | 7.14 | 34.74 | 61.55 | 62.28 | 42.61 | 88.20 | -45.59 | peak |
| 4 | 8129.664 | 9.16 | 36.50 | 61.68 | 61.46 | 45.44 | 74.00 | -28.56 | peak |
| 5 | 13330.000 | 12.57 | 38.66 | 62.65 | 59.37 | 47.95 | 74.00 | -26.05 | peak |
| 6 | p17844.590 | 15.29 | 43.90 | 61.04 | 52.29 | 50.44 | 74.00 | -23.56 | peak |

## 7.9 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
Test Method: ANSI C63.10 (2013) Section 6.10.5
Measurement Distance: 3m

Limit:

| Frequency(MHz) | Field strength(microvolts/meter) | Measurement distance(meters) |
|---|---|---|
| 0.009-0.490 | 2400/F(kHz) | 300 |
| 0.490-1.705 | 24000/F(kHz) | 30 |
| 1.705-30.0 | 30 | 30 |
| 30-88 | 100 | 3 |
| 88-216 | 150 | 3 |
| 216-960 | 200 | 3 |
| Above 960 | 500 | 3 |
| Any emission outside the 5925-7125 MHz frequency band shall not exceed −27 dBm/MHz e.i.r.p. spectral density<br>For transmitters operating within the 5.925–7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB. | | |

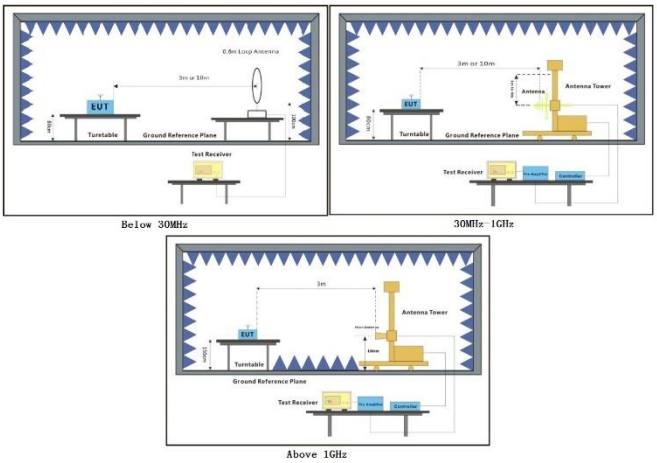
### 7.9.1 E.U.T. Operation

Operating Environment:
Temperature: 23.9 °C Humidity: 54.0 % RH Atmospheric Pressure: 995 mbar

### 7.9.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|---|---|---|
| Final test | 07 | TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |
| Final test | 09 | TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |

### 7.9.3 Test Setup Diagram




### 7.9.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

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

e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

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

g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

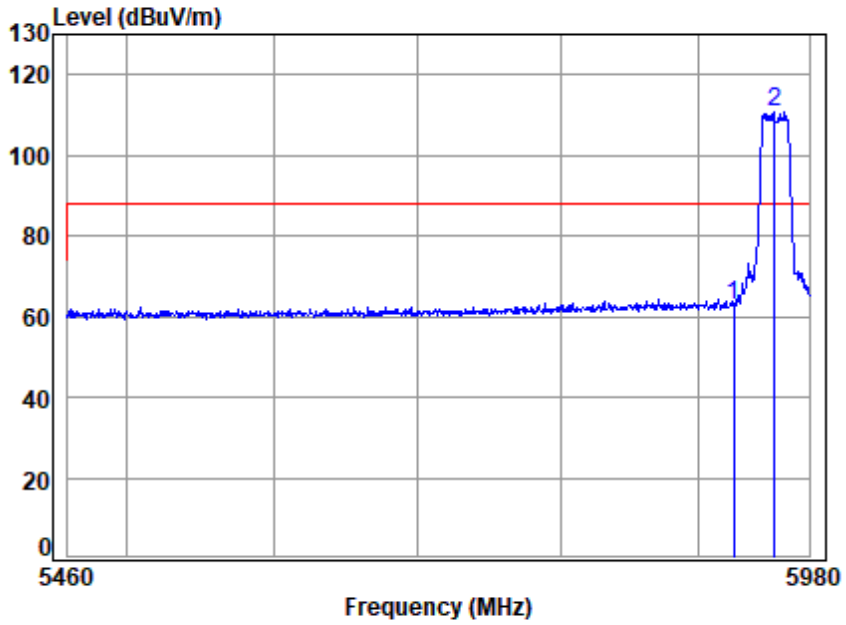
i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark: This device operate as VLP device under U-NII band 5&7, without using band 8, so only the worst case of band 5 result for band edge is recorded in the report.

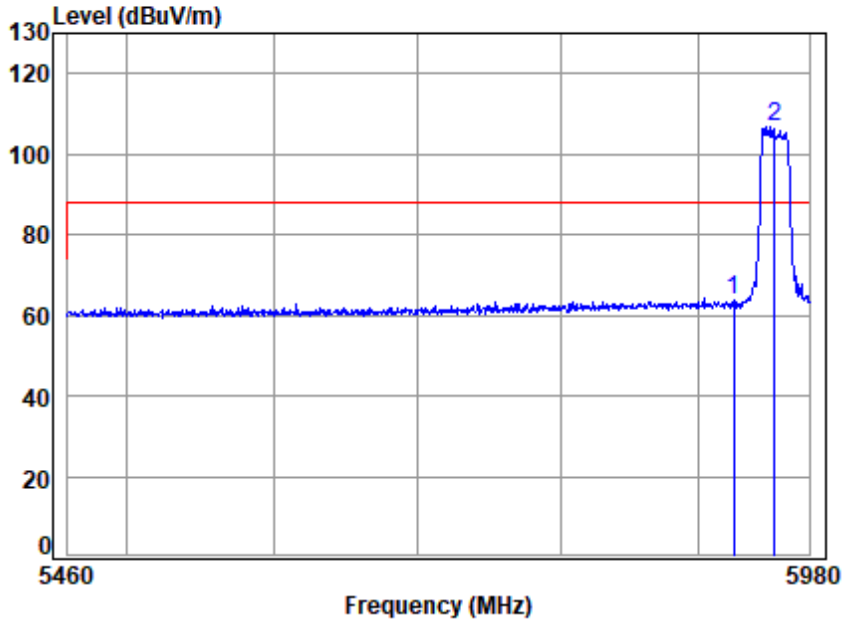
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 5955 Band edge
: 6G WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 43.66 | 62.96 | 88.20 | -25.24 | peak |
| 2 p | 5955.000 | 19.60 | 34.72 | 34.92 | 91.46 | 110.86 | 88.20 | 22.66 | peak |

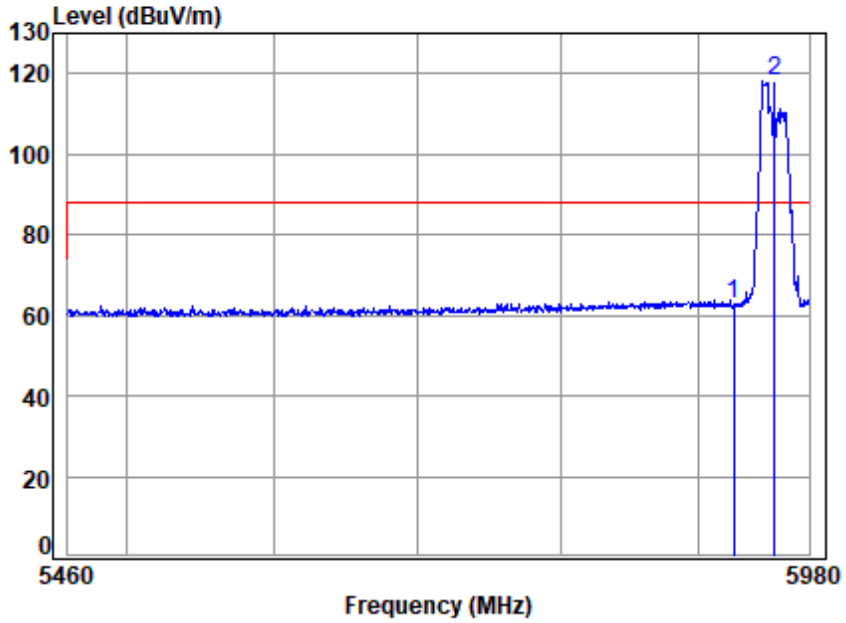
Test Mode: 07; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 5955 Band edge
: 6G WIFI 11AX20
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 44.59 | 63.89 | 88.20 | -24.31 | peak |
| 2 p | 5955.000 | 19.60 | 34.72 | 34.92 | 87.16 | 106.56 | 88.20 | 18.36 | peak |

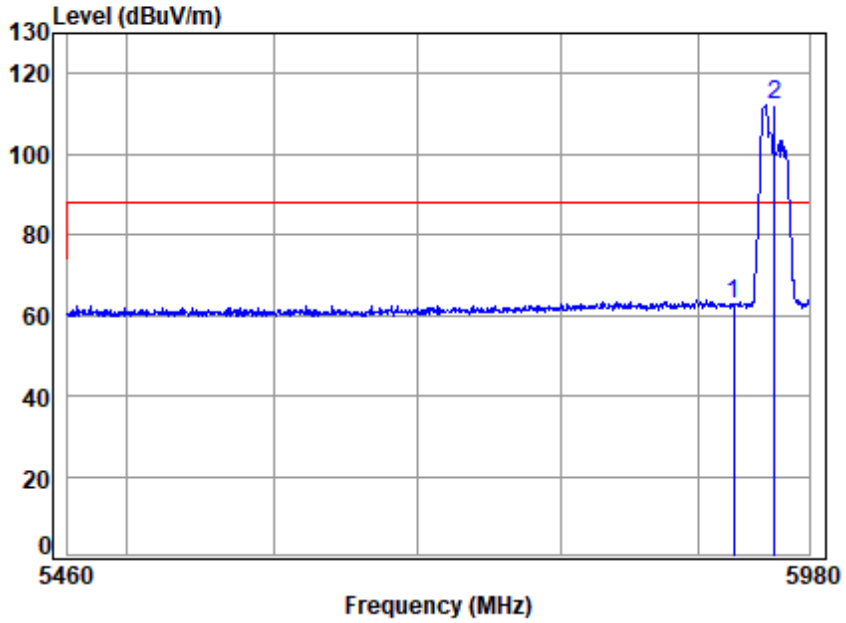
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ax(52 RU0); Bandwidth:20MHz; Channel:Low




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 5955 Band edge
: 6G WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 43.63 | 62.93 | 88.20 | -25.27 | peak |
| 2 p | 5955.000 | 19.60 | 34.72 | 34.92 | 98.63 | 118.03 | 88.20 | 29.83 | peak |

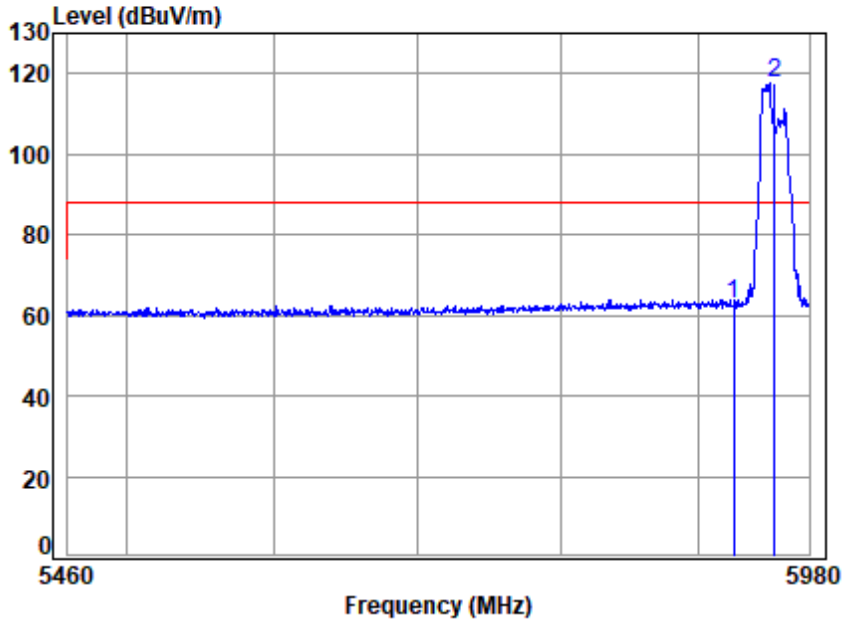
Test Mode: 07; Polarity: Vertical; Modulation:802.11ax(52 RU0); Bandwidth:20MHz; Channel:Low




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 5955 Band edge
: 6G WIFI 11AX20 Partial RU
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 43.39 | 62.69 | 88.20 | -25.51 | peak |
| 2 p | 5955.000 | 19.60 | 34.72 | 34.92 | 92.69 | 112.09 | 88.20 | 23.89 | peak |

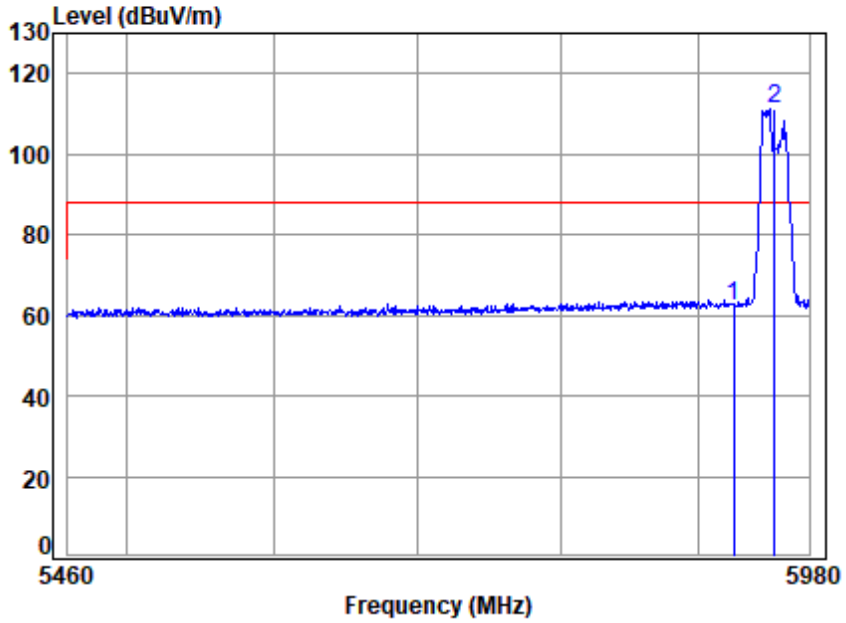
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:20MHz; Channel:Low;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 5955 Band edge
: 6G WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 43.48 | 62.78 | 88.20 | -25.42 | peak |
| 2 p | 5955.000 | 19.60 | 34.72 | 34.92 | 98.22 | 117.62 | 88.20 | 29.42 | peak |

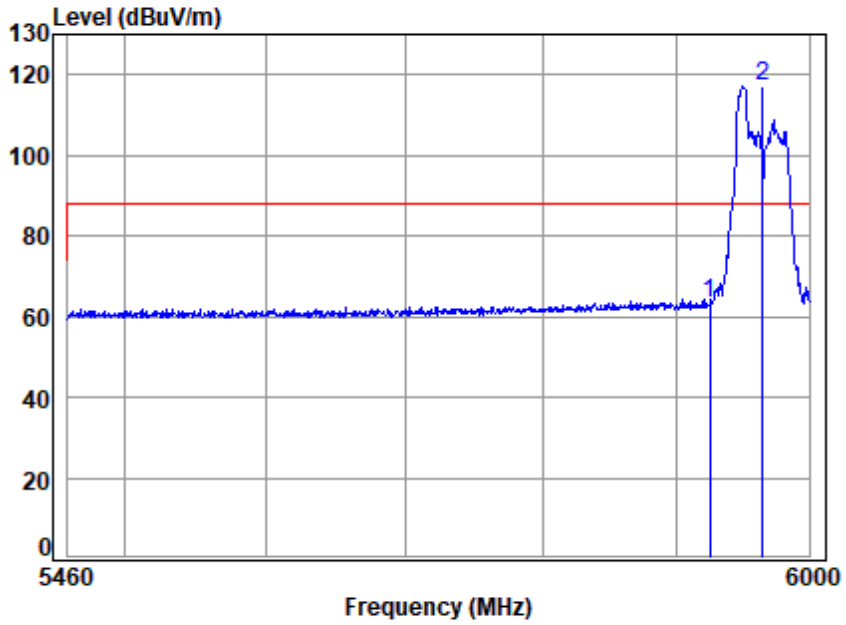
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:20MHz; Channel:Low;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 5955 Band edge
: 6G WIFI 11BE20 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 42.94 | 62.24 | 88.20 | -25.96 | peak |
| 2 p | 5955.000 | 19.60 | 34.72 | 34.92 | 91.89 | 111.29 | 88.20 | 23.09 | peak |

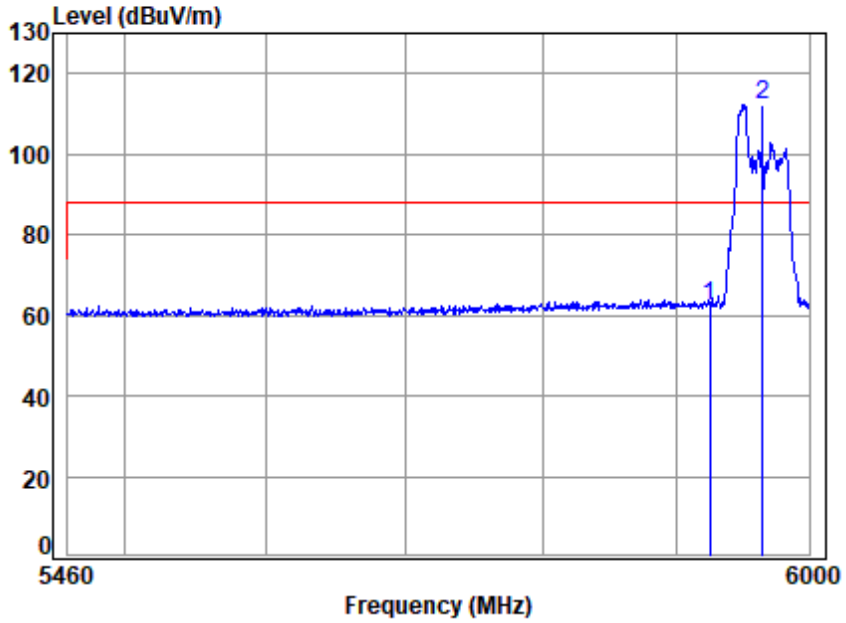
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:40MHz; Channel:Low;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 5965 Band edge
: 6G WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 43.81 | 63.11 | 88.20 | -25.09 | peak |
| 2 p | 5965.000 | 19.61 | 34.76 | 34.92 | 97.68 | 117.13 | 88.20 | 28.93 | peak |

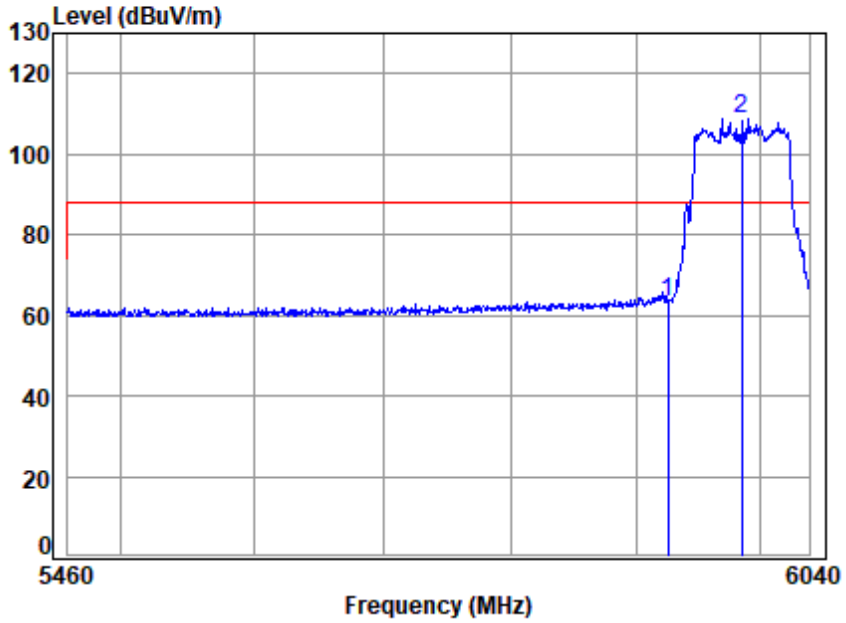
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:40MHz; Channel:Low;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 5965 Band edge
: 6G WIFI 11BE40 MRU(Small)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 43.04 | 62.34 | 88.20 | -25.86 | peak |
| 2 p | 5965.000 | 19.61 | 34.76 | 34.92 | 92.72 | 112.17 | 88.20 | 23.97 | peak |

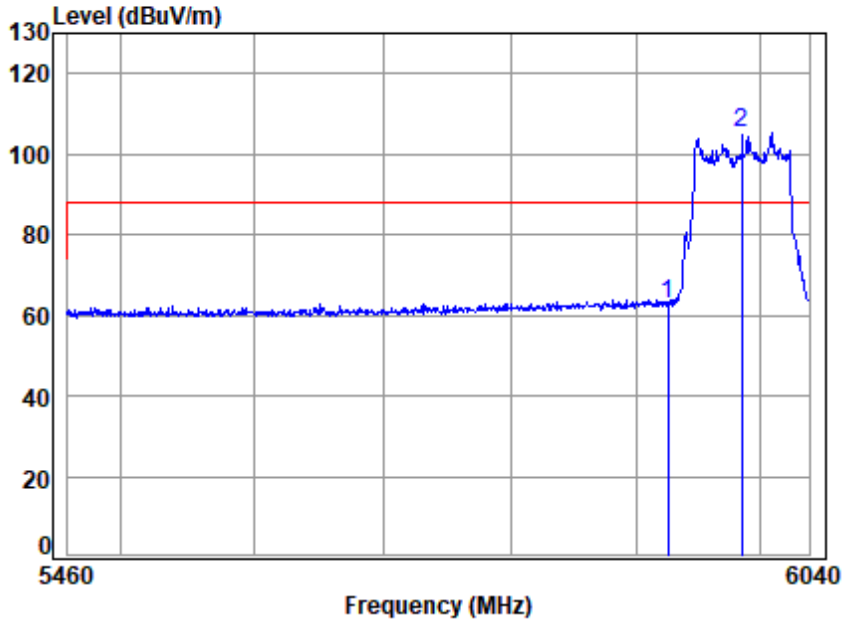
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:80MHz; Channel:Low;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 5985 Band edge
: 6G WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 43.92 | 63.22 | 88.20 | -24.98 | peak |
| 2 p | 5985.000 | 19.62 | 34.84 | 34.91 | 89.41 | 108.96 | 88.20 | 20.76 | peak |

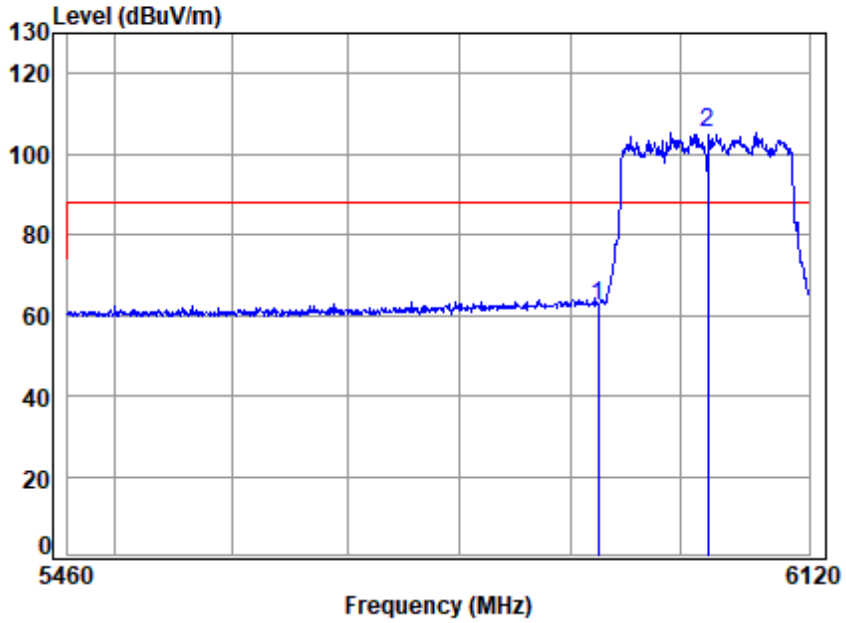
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:80MHz; Channel:Low;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 5985 Band edge
: 6G WIFI 11BE80 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 43.51 | 62.81 | 88.20 | -25.39 | peak |
| 2 p | 5985.000 | 19.62 | 34.84 | 34.91 | 85.70 | 105.25 | 88.20 | 17.05 | peak |

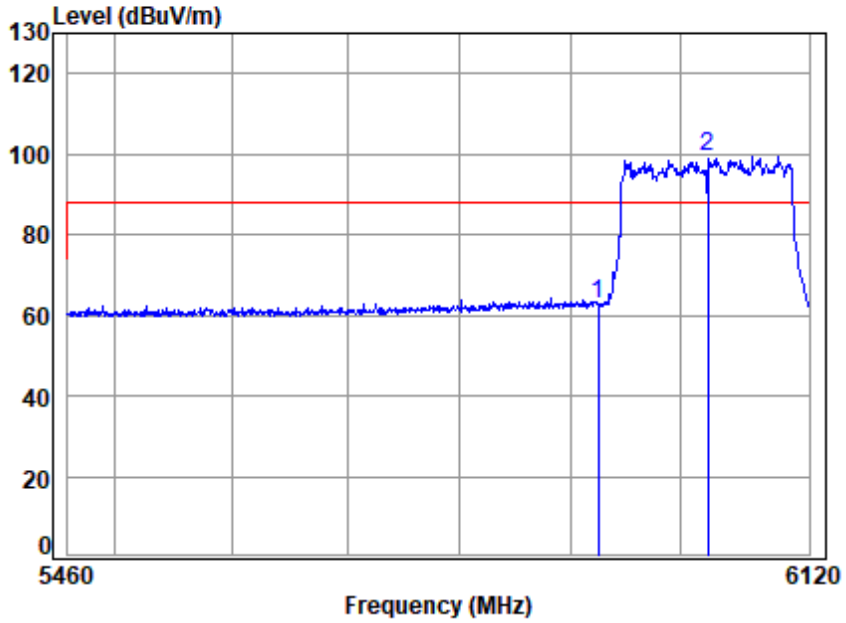
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:160MHz; Channel:Low;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6025 Band edge
: 6G WIFI 11BE160 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 43.17 | 62.47 | 88.20 | -25.73 | peak |
| 2 p | 6025.000 | 19.65 | 34.95 | 34.92 | 85.80 | 105.48 | 88.20 | 17.28 | peak |

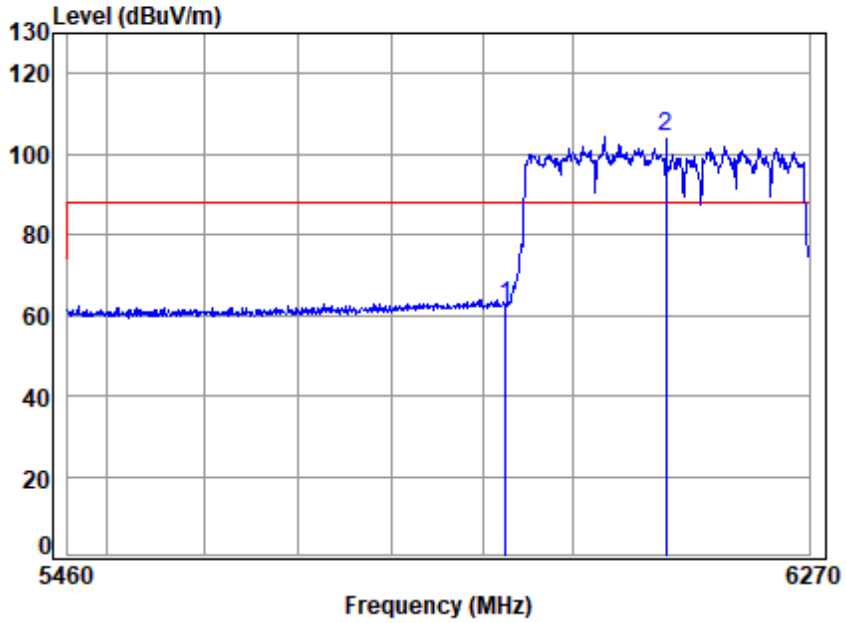
Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:160MHz; Channel:Low;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6025 Band edge
: 6G WIFI 11BE160 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 43.32 | 62.62 | 88.20 | -25.58 | peak |
| 2 p | 6025.000 | 19.65 | 34.95 | 34.92 | 79.70 | 99.38 | 88.20 | 11.18 | peak |

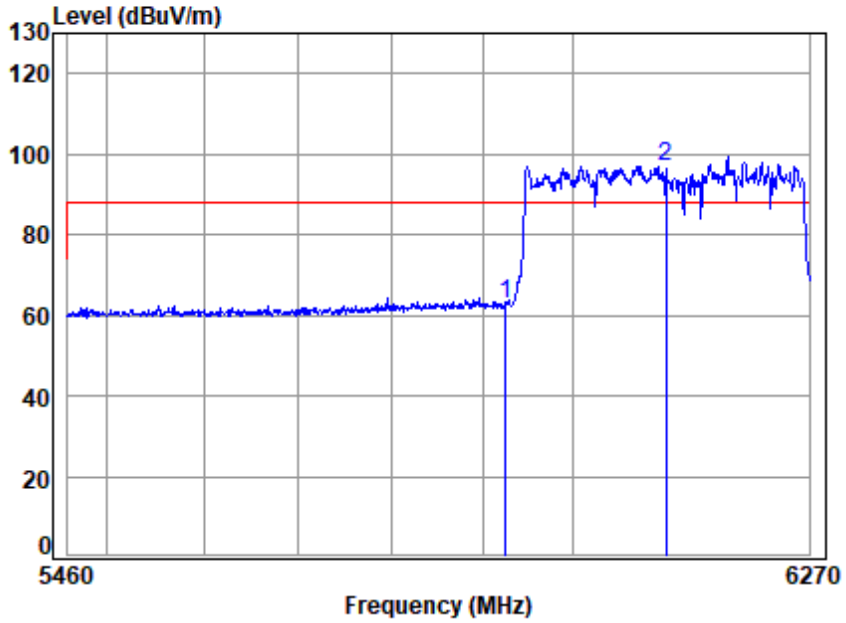
Test Mode: 07; Polarity: Horizontal; Hob Position Left; Bandwidth:320MHz; Channel:Low;




Site : chamber
Condition: 3m HORIZONTAL
Job No : 02331AT/02332AT
Mode : 6105 Band edge
: 6G WIFI 11BE320 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 42.86 | 62.16 | 88.20 | -26.04 | peak |
| 2 p | 6105.000 | 19.71 | 35.08 | 34.98 | 84.38 | 104.19 | 88.20 | 15.99 | peak |

Test Mode: 07; Polarity: Vertical; Hob Position Left; Bandwidth:320MHz; Channel:Low;




Site : chamber
Condition: 3m VERTICAL
Job No : 02331AT/02332AT
Mode : 6105 Band edge
: 6G WIFI 11BE320 MRU(Large)
: Built-in ant

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 5925.000 | 19.58 | 34.65 | 34.93 | 43.56 | 62.86 | 88.20 | -25.34 | peak |
| 2 p | 6105.000 | 19.71 | 35.08 | 34.98 | 77.27 | 97.08 | 88.20 | 8.88 | peak |

## 7.10 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart E 15.407 (g)
Test Method: ANSI C63.10 (2013) Section 6.8

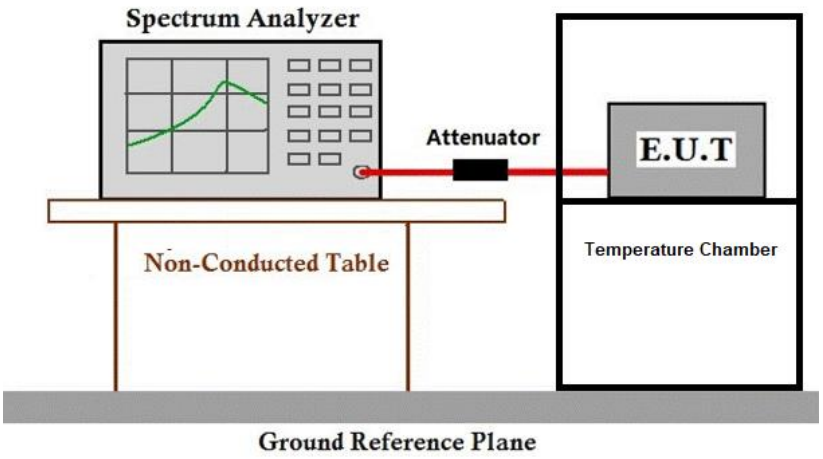
### 7.10.1 E.U.T. Operation

Operating Environment:
Temperature: 20 °C Humidity: 45 % RH Atmospheric Pressure: 1020 mbar

### 7.10.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|---|---|---|
| Final test | 07 | TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |
| Final test | 09 | TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |

### 7.10.3 Test Setup Diagram




### 7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details

## 7.11 In-band Emission(Emission Mask)

Test Requirement 47 CFR Part 15, Subpart E 15.407 (b)

Test Method: ANSI C63.10 (2013) Section 12.5

Limit:

Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

### 7.11.1 E.U.T. Operation

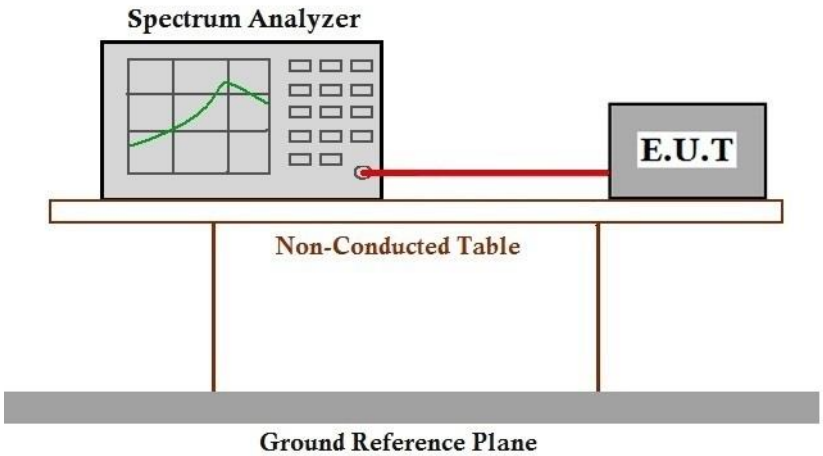
Operating Environment:

Temperature: 20 °C Humidity: 45 % RH Atmospheric Pressure: 1020 mbar

### 7.11.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|---|---|---|
| Final test | 07 | TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |
| Final test | 09 | TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |

### 7.11.3 Test Setup Diagram



### 7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details

## 7.12 Contention Based Protocol

Test Requirement 47 CFR Part 15, Subpart E 15.407 (d)
Test Method: KDB 987597 D02

Limit:
Detect co-channel energy with 90% or greater certainty.

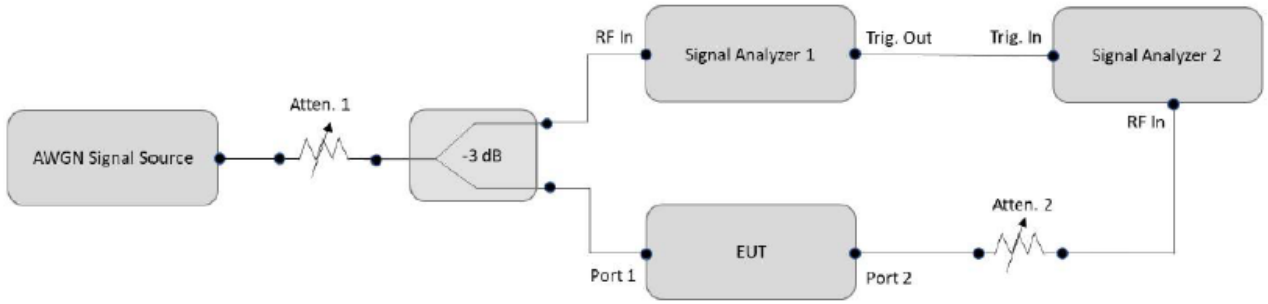
### 7.12.1 E.U.T. Operation

Operating Environment:
Temperature: 20 °C Humidity: 45 % RH Atmospheric Pressure: 1020 mbar

### 7.12.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|---|---|---|
| Final test | 00 | Normal Operation:Keep the EUT communicated with other device. |

### 7.12.3 Test Setup Diagram




### 7.12.4 Measurement Procedure and Data

Please Refer to Appendix for Details

## 7.13 Transmitter Power Control

Test Requirement 47 CFR Part 15, Subpart E 15.407 (d)(10)

Test Method: ANSI C63.10 (2013) Section 12.3

Limit: A very low power device is required to have the capability to operate at least 6 dB below the maximum EIRP power spectral density (PSD) value of −5 dBm/MHz.

### 7.13.1 E.U.T. Operation

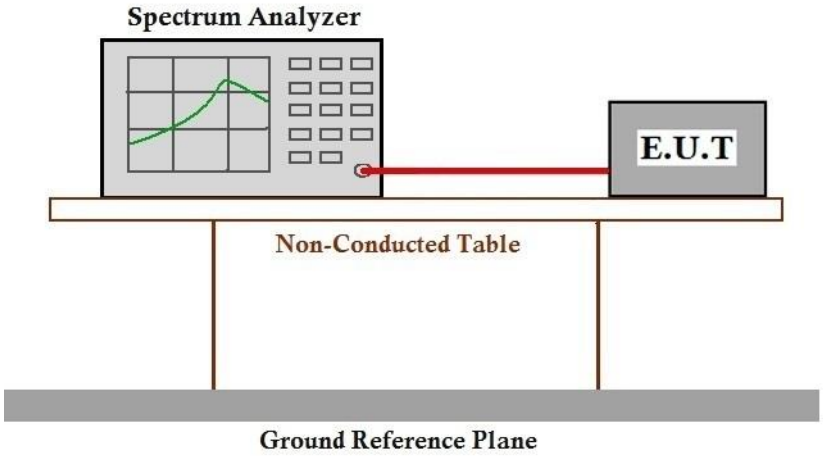
Operating Environment:

Temperature: 20 °C Humidity: 45 % RH Atmospheric Pressure: 1020 mbar

### 7.13.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|---|---|---|
| Final test | 07 | TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |
| Final test | 09 | TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report. |

### 7.13.3 Test Setup Diagram




### 7.13.4 Measurement Procedure and Data

This device support TPC capability to operate at least 6 dB below the maximum EIRP power spectral density (PSD) value of −5 dBm/MHz. Please refer to test data appendix for details.

# 8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2307002331AT

# 9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2307002331AT

# 10 Appendix

## 1. Duty Cycle

### 1.1 Test Result

#### 1.1.1 Ant1

| Ant1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ENV | Mode | TX Type | Frequency (MHz) | RU | RU Pos | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| NTNV | 802.11be (EHT20) | MIMO | 5955 | RU242 | Left | 5.349 | 5.530 | 96.73 | 0.14 | 2.27 |
| | | | 6175 | RU242 | Left | 5.348 | 5.494 | 97.34 | 0.12 | 1.81 |
| | | | 6415 | RU242 | Left | 5.350 | 5.522 | 96.89 | 0.14 | 2.12 |
| | 802.11be (EHT40) | MIMO | 5965 | RU484 | Left | 5.392 | 5.556 | 97.05 | 0.13 | 2.07 |
| | | | 6165 | RU484 | Left | 5.392 | 5.566 | 96.87 | 0.14 | 1.63 |
| | | | 6405 | RU484 | Left | 5.392 | 5.574 | 96.73 | 0.14 | 2.24 |
| | 802.11be (EHT80) | MIMO | 5985 | RU996 | Left | 2.702 | 2.865 | 94.31 | 0.25 | 3.70 |
| | | | 6145 | RU996 | Left | 2.701 | 2.883 | 93.69 | 0.28 | 3.65 |
| | | | 6385 | RU996 | Left | 2.701 | 2.883 | 93.69 | 0.28 | 4.60 |
| | 802.11be (EHT160) | MIMO | 6025 | 2xRU996 | Left | 2.177 | 2.315 | 94.04 | 0.27 | 3.79 |
| | | | 6185 | 2xRU996 | Left | 2.185 | 2.341 | 93.34 | 0.30 | 4.55 |
| | | | 6345 | 2xRU996 | Left | 2.176 | 2.359 | 92.24 | 0.35 | 5.23 |
| | 802.11be (EHT320) | MIMO | 6105 | 4xRU996 | Left | 2.177 | 2.359 | 92.28 | 0.35 | 5.19 |
| | | | 6265 | 4xRU996 | Left | 2.176 | 2.359 | 92.24 | 0.35 | 4.81 |

#### 1.1.2 Ant1

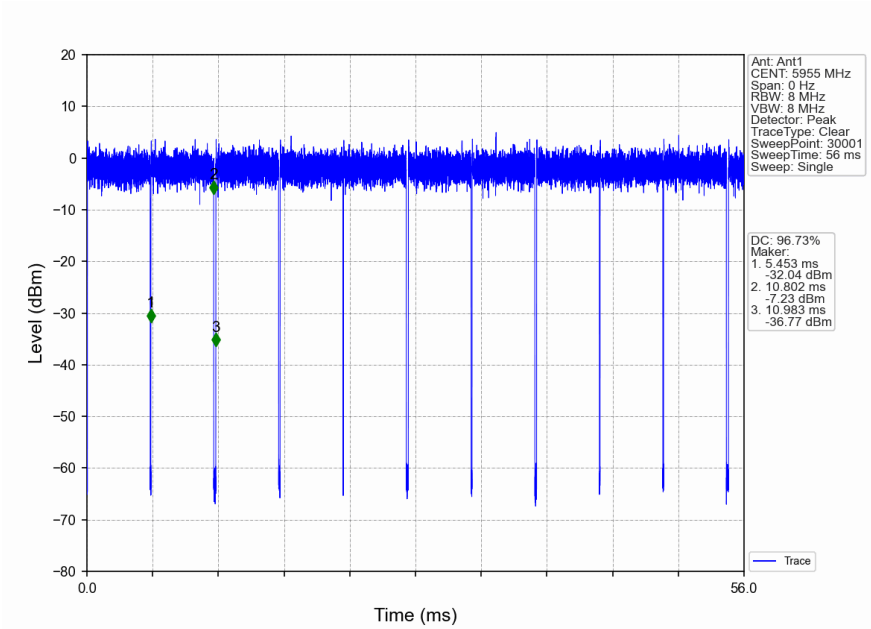
| Ant1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ENV | Mode | TX Type | Frequency (MHz) | RU | RU Pos | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| NTNV | 802.11be (EHT20) | MIMO | 6535 | RU242 | Left | 5.350 | 5.514 | 97.03 | 0.13 | 1.65 |
| | | | 6695 | RU242 | Left | 5.350 | 5.522 | 96.89 | 0.14 | 1.79 |
| | | | 6855 | RU242 | Left | 5.364 | 5.530 | 97.00 | 0.13 | 2.41 |
| | 802.11be (EHT40) | MIMO | 6565 | RU484 | Left | 5.394 | 5.556 | 97.08 | 0.13 | 1.74 |
| | | | 6685 | RU484 | Left | 5.394 | 5.548 | 97.22 | 0.12 | 1.75 |
| | | | 6845 | RU484 | Left | 5.408 | 5.700 | 94.88 | 0.23 | 4.39 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 802.11be (EHT80) | MIMO | 6625 | RU996 | Left | 2.709 | 3.027 | 89.49 | 0.48 | 9.09 |
| | | | 6705 | RU996 | Left | 2.701 | 2.874 | 93.98 | 0.27 | 3.99 |
| | | | 6785 | RU996 | Left | 2.708 | 2.865 | 94.52 | 0.24 | 4.03 |
| | 802.11be (EHT160) | MIMO | 6665 | 2xRU996 | Left | 2.176 | 2.359 | 92.24 | 0.35 | 5.58 |

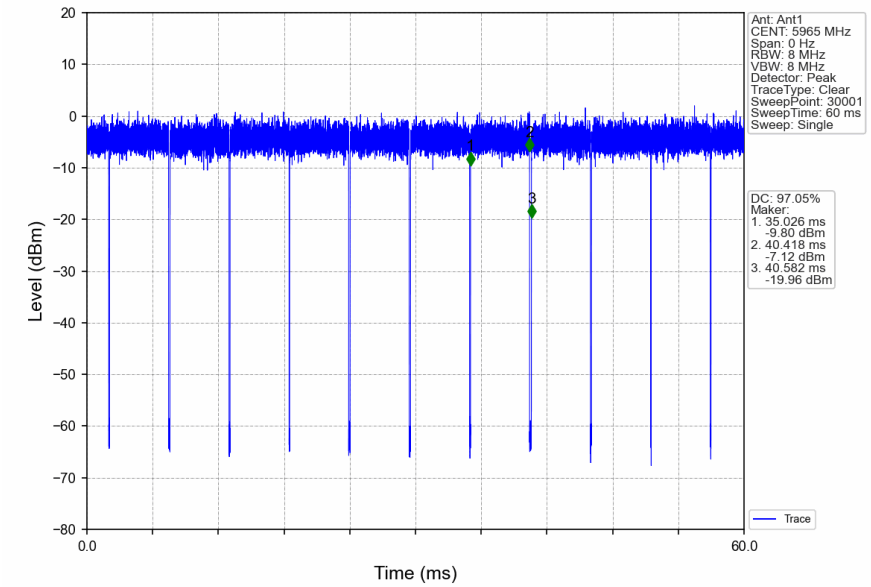
## 1.2 Test Graph

### 1.2.1 Ant1

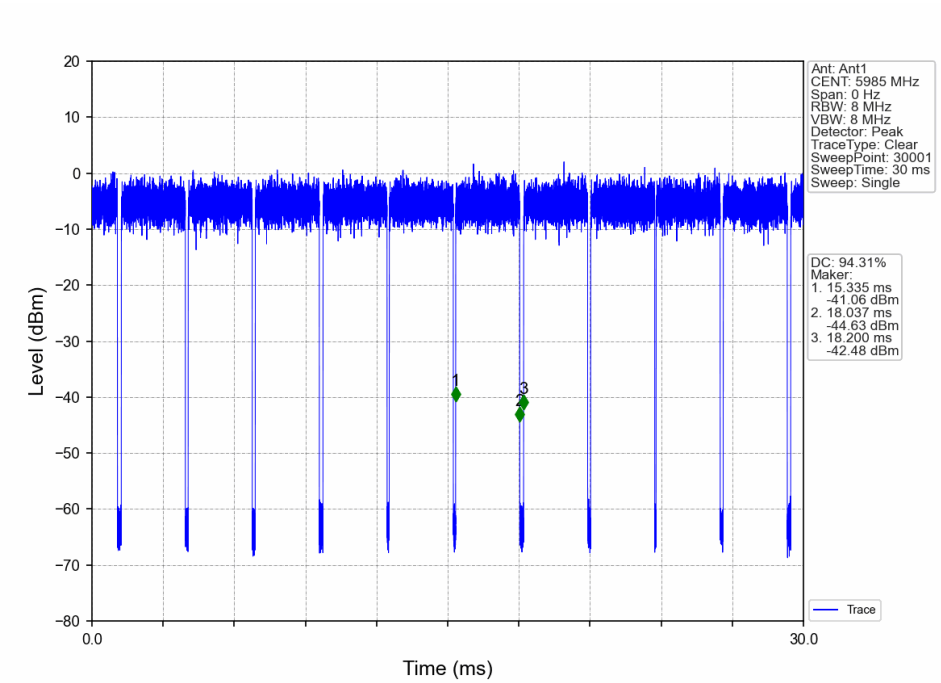
802.11be(EHT20)_LCH_5955MHz_RU242_Left_Ant1_NTNV



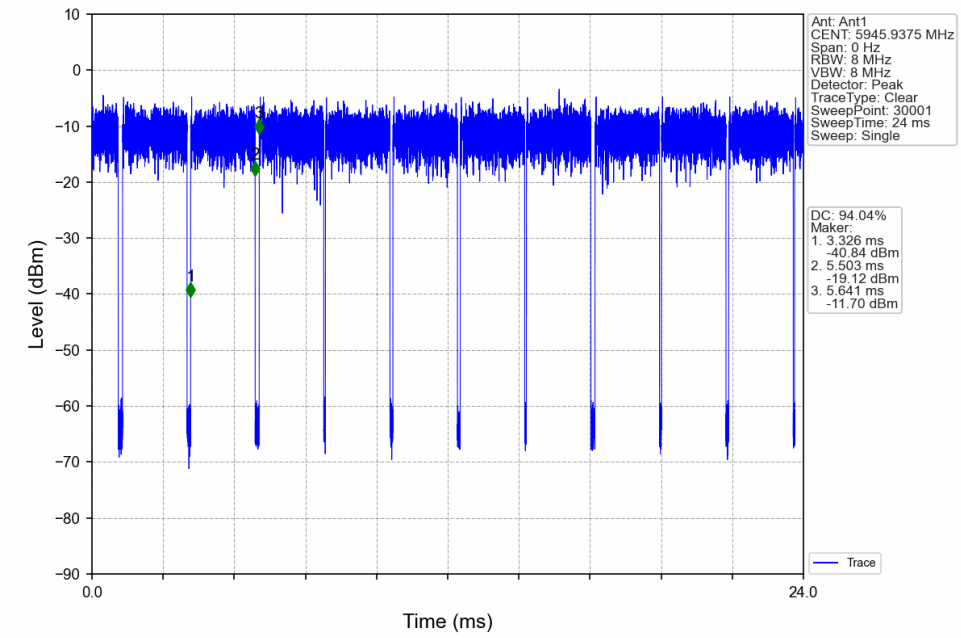

802.11be(EHT40)_LCH_5965MHz_RU484_Left_Ant1_NTNV



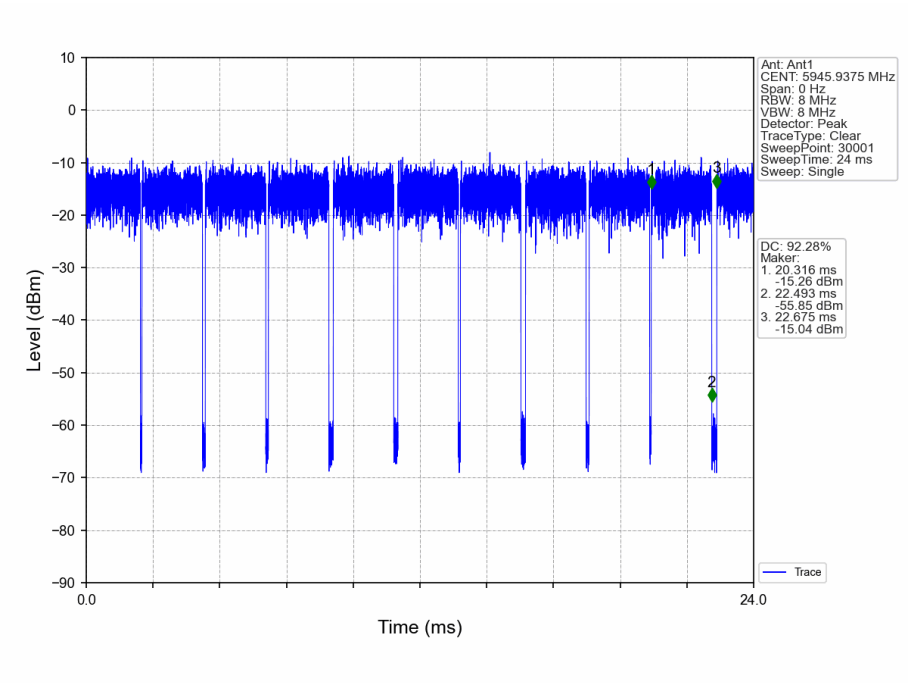
802.11be(EHT80)_LCH_5985MHz_RU996_Left_Ant1_NTNV




802.11be(EHT160)_LCH_6025MHz_2xRU996_Left_Ant1_NTNV

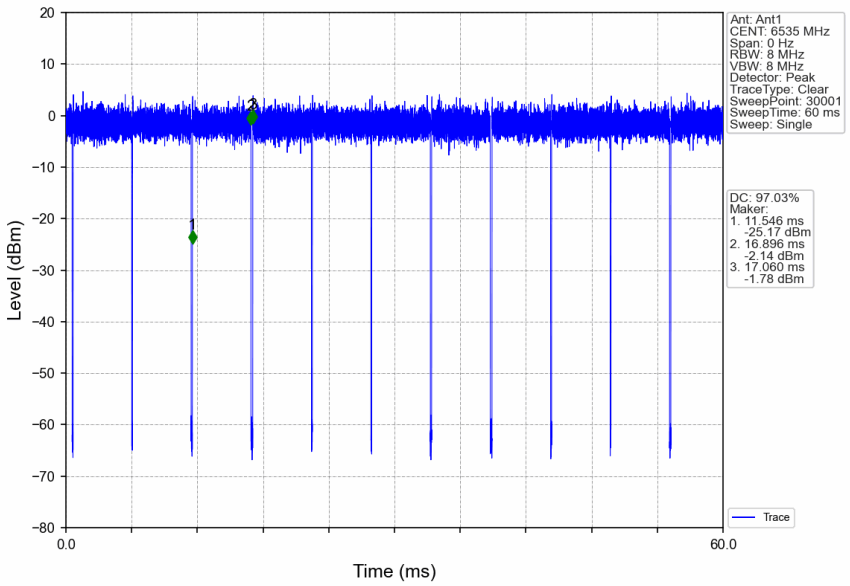


802.11be(EHT320)_LCH_6105MHz_4xRU996_Left_Ant1_NTNV

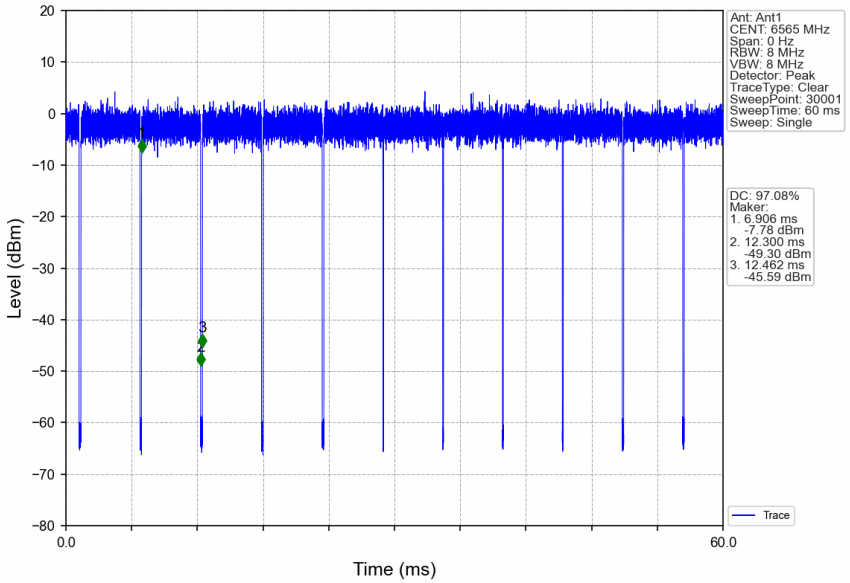


## 1.2.2 Ant1

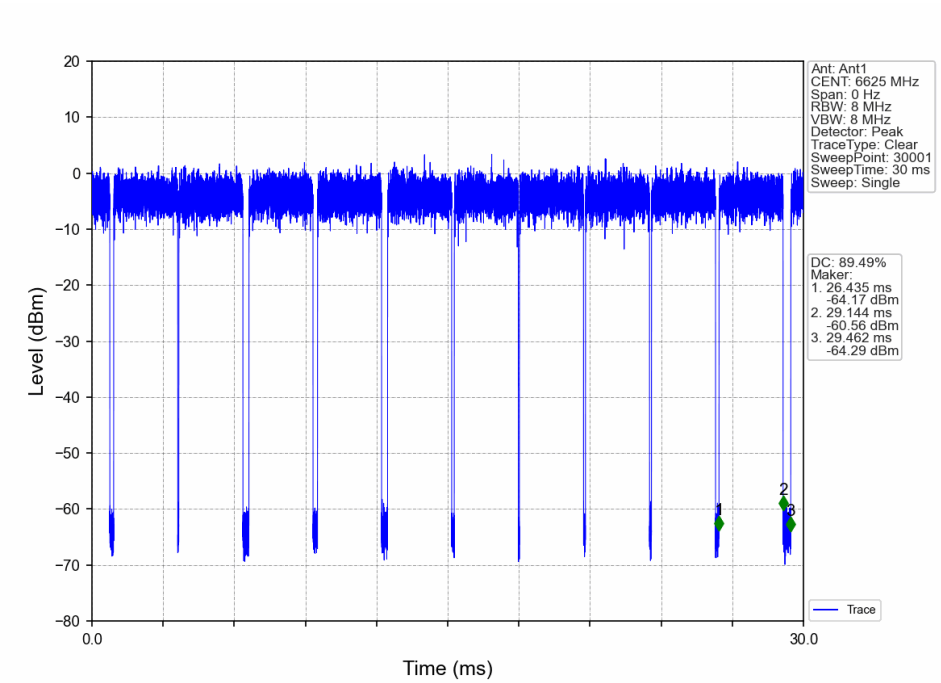
802.11be(EHT20)_LCH_6535MHz_RU242_Left_Ant1_NTNV



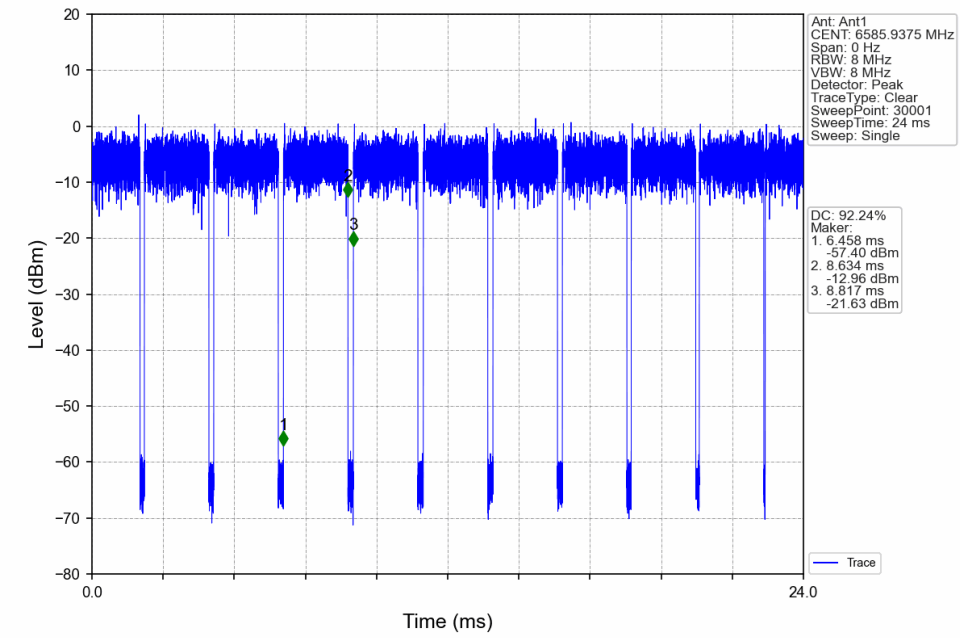

802.11be(EHT40)_LCH_6565MHz_RU484_Left_Ant1_NTNV



802.11be(EHT80)_LCH_6625MHz_RU996_Left_Ant1_NTNV




802.11be(EHT160)_MCH_6665MHz_2xRU996_Left_Ant1_NTNV



# 2. Bandwidth

## 2.1 Test Result

### 2.1.1 OBW

| ENV | Mode | TX Type | Frequency (MHz) | RU | RU Pos | ANT | 99% Occupied Bandwidth (MHz) | | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Result | Limit | |
| NTNV | 802.11be (EHT20) | MIMO | 5955 | RU242 | Left | 1 | 19.433 | <=320 | Pass |
| | | | 6175 | RU242 | Left | 1 | 19.394 | <=320 | Pass |
| | | | 6415 | RU242 | Left | 1 | 19.559 | <=320 | Pass |
| | 802.11be (EHT40) | MIMO | 5965 | RU484 | Left | 1 | 38.405 | <=320 | Pass |
| | | | 6165 | RU484 | Left | 1 | 38.718 | <=320 | Pass |
| | | | 6405 | RU484 | Left | 1 | 38.629 | <=320 | Pass |
| | 802.11be (EHT80) | MIMO | 5985 | RU996 | Left | 1 | 78.764 | <=320 | Pass |
| | | | 6145 | RU996 | Left | 1 | 78.578 | <=320 | Pass |
| | | | 6385 | RU996 | Left | 1 | 78.794 | <=320 | Pass |
| | 802.11be (EHT160) | MIMO | 6025 | 2xRU996 | Left | 1 | 157.913 | <=320 | Pass |
| | | | 6185 | 2xRU996 | Left | 1 | 157.669 | <=320 | Pass |
| | | | 6345 | 2xRU996 | Left | 1 | 158.142 | <=320 | Pass |
| | 802.11be (EHT320) | MIMO | 6105 | 4xRU996 | Left | 1 | 314.573 | <=320 | Pass |
| | | | 6265 | 4xRU996 | Left | 1 | 315.418 | <=320 | Pass |

### 2.1.2 26dB BW

| ENV | Mode | TX Type | Frequency (MHz) | RU | RU Pos | ANT | 26dB Bandwidth (MHz) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Result | Limit |
| NTNV | 802.11be (EHT20) | MIMO | 5955 | RU242 | Left | 1 | 22.288 | / |
| | | | 6175 | RU242 | Left | 1 | 22.360 | / |
| | | | 6415 | RU242 | Left | 1 | 22.445 | / |
| | 802.11be (EHT40) | MIMO | 5965 | RU484 | Left | 1 | 43.145 | / |
| | | | 6165 | RU484 | Left | 1 | 44.363 | / |
| | | | 6405 | RU484 | Left | 1 | 43.523 | / |
| | 802.11be (EHT80) | MIMO | 5985 | RU996 | Left | 1 | 86.589 | / |
| | | | 6145 | RU996 | Left | 1 | 87.788 | / |
| | | | 6385 | RU996 | Left | 1 | 87.615 | / |
| | 802.11be (EHT160) | MIMO | 6025 | 2xRU996 | Left | 1 | 172.714 | / |
| | | | 6185 | 2xRU996 | Left | 1 | 174.234 | / |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 6345 | 2xRU996 | Left | 1 | 175.846 | / |
| | 802.11be (EHT320) | MIMO | 6105 | 4xRU996 | Left | 1 | 338.193 | / |
| | | | 6265 | 4xRU996 | Left | 1 | 583.512 | / |

## 2.1.3 OBW

| ENV | Mode | TX Type | Frequency (MHz) | RU | RU Pos | ANT | 99% Occupied Bandwidth (MHz) | | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Result | Limit | |
| NTNV | 802.11be (EHT20) | MIMO | 6535 | RU242 | Left | 1 | 19.380 | <=320 | Pass |
| | | | 6695 | RU242 | Left | 1 | 19.401 | <=320 | Pass |
| | | | 6855 | RU242 | Left | 1 | 19.452 | <=320 | Pass |
| | 802.11be (EHT40) | MIMO | 6565 | RU484 | Left | 1 | 38.633 | <=320 | Pass |
| | | | 6685 | RU484 | Left | 1 | 38.512 | <=320 | Pass |
| | | | 6845 | RU484 | Left | 1 | 38.413 | <=320 | Pass |
| | 802.11be (EHT80) | MIMO | 6625 | RU996 | Left | 1 | 78.592 | <=320 | Pass |
| | | | 6705 | RU996 | Left | 1 | 78.540 | <=320 | Pass |
| | | | 6785 | RU996 | Left | 1 | 78.522 | <=320 | Pass |
| | 802.11be (EHT160) | MIMO | 6665 | 2xRU996 | Left | 1 | 157.893 | <=320 | Pass |

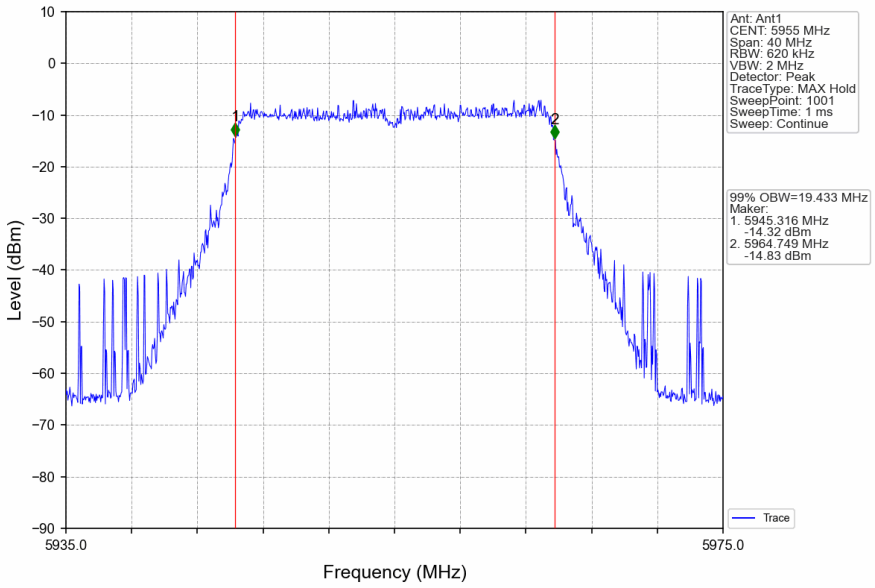
## 2.1.4 26dB BW

| ENV | Mode | TX Type | Frequency (MHz) | RU | RU Pos | ANT | 26dB Bandwidth (MHz) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Result | Limit |
| NTNV | 802.11be (EHT20) | MIMO | 6535 | RU242 | Left | 1 | 22.737 | / |
| | | | 6695 | RU242 | Left | 1 | 22.400 | / |
| | | | 6855 | RU242 | Left | 1 | 22.098 | / |
| | 802.11be (EHT40) | MIMO | 6565 | RU484 | Left | 1 | 44.131 | / |
| | | | 6685 | RU484 | Left | 1 | 43.644 | / |
| | | | 6845 | RU484 | Left | 1 | 43.619 | / |
| | 802.11be (EHT80) | MIMO | 6625 | RU996 | Left | 1 | 86.274 | / |
| | | | 6705 | RU996 | Left | 1 | 87.169 | / |
| | | | 6785 | RU996 | Left | 1 | 86.719 | / |
| | 802.11be (EHT160) | MIMO | 6665 | 2xRU996 | Left | 1 | 172.731 | / |

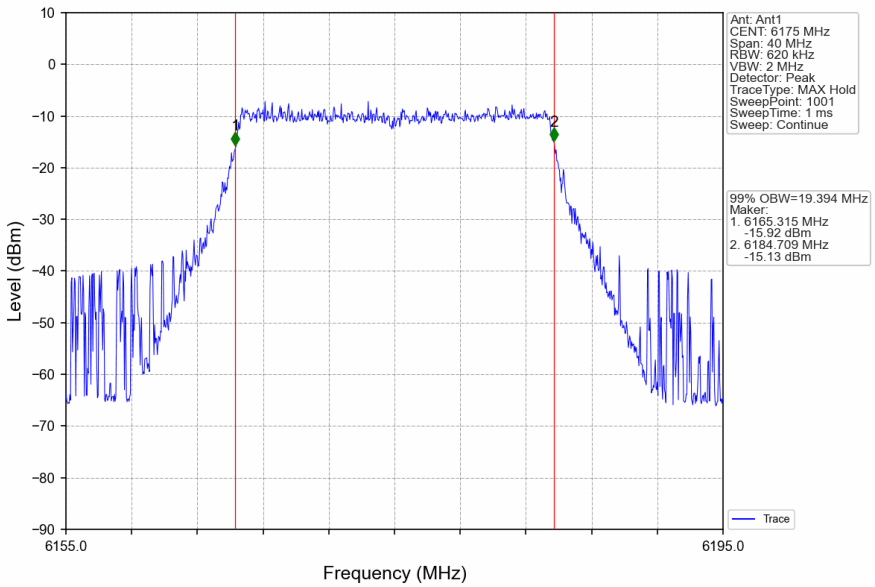
## 2.2 Test Graph

### 2.2.1 OBW

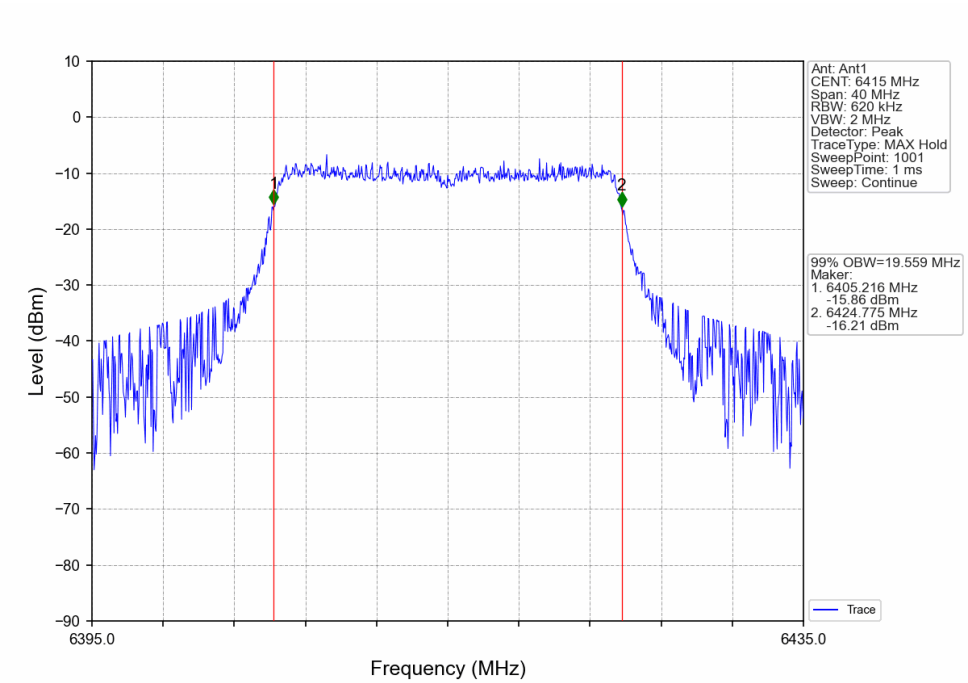
802.11be(EHT20)_LCH_5955MHz_RU242_Left_Ant1_NTNV



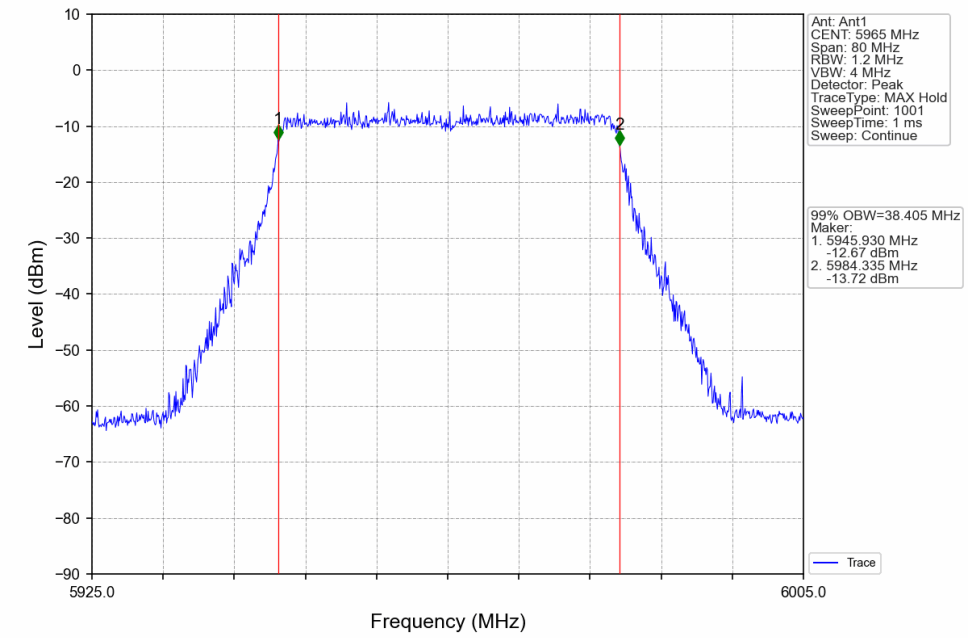

802.11be(EHT20)_MCH_6175MHz_RU242_Left_Ant1_NTNV



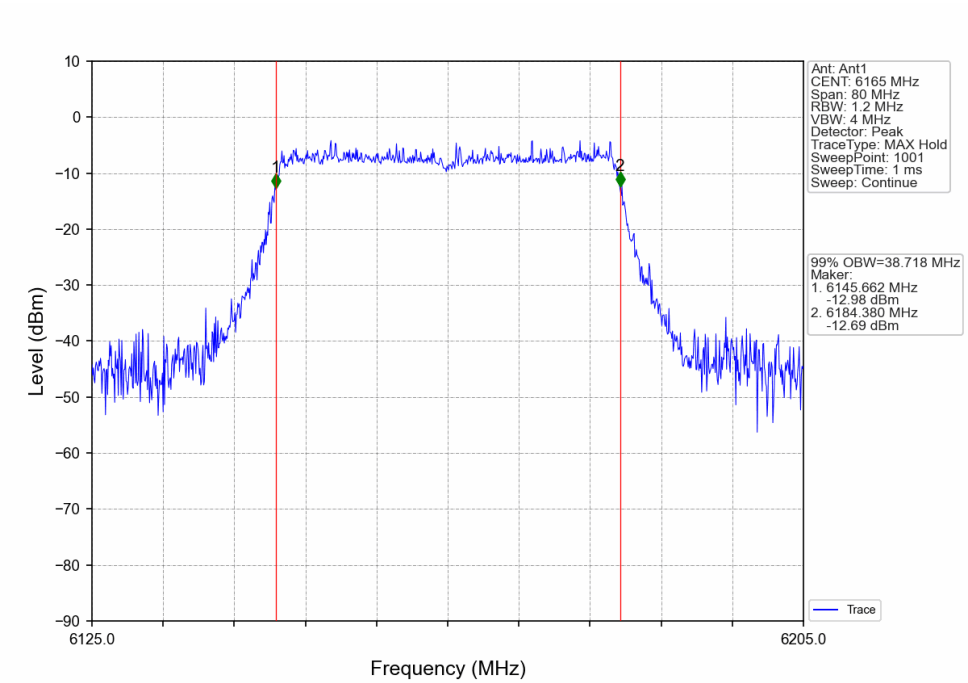
802.11be(EHT20)_HCH_6415MHz_RU242_Left_Ant1_NTNV



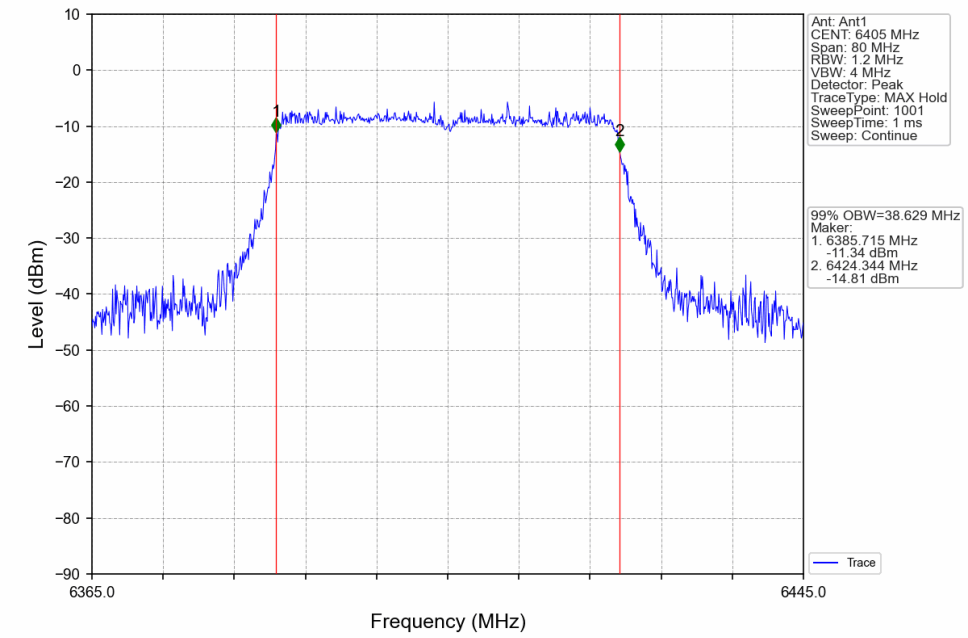

802.11be(EHT40)_LCH_5965MHz_RU484_Left_Ant1_NTNV



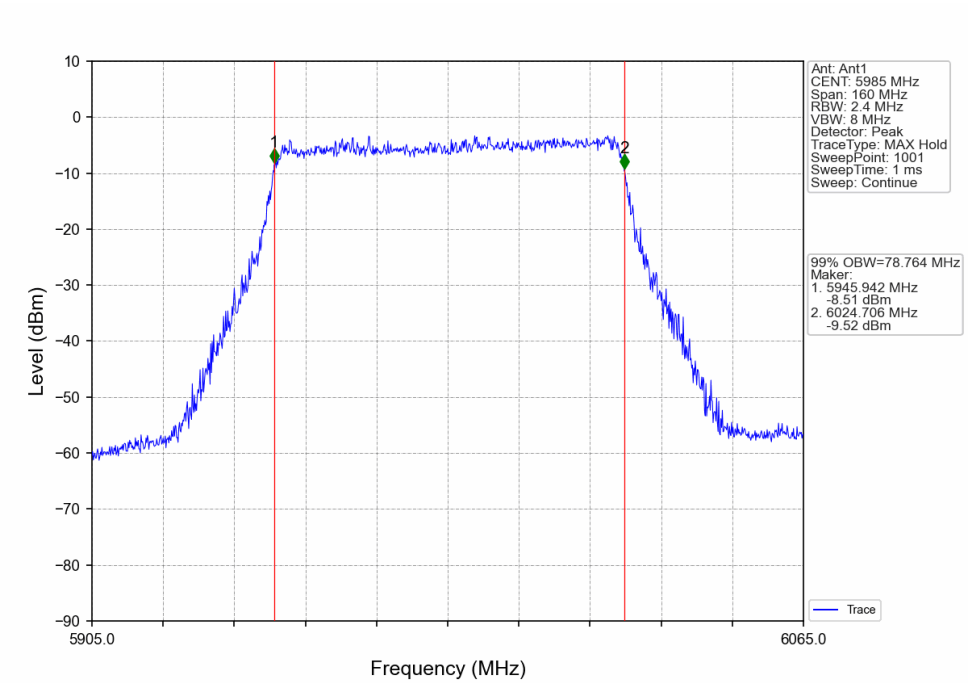
802.11be(EHT40)_MCH_6165MHz_RU484_Left_Ant1_NTNV



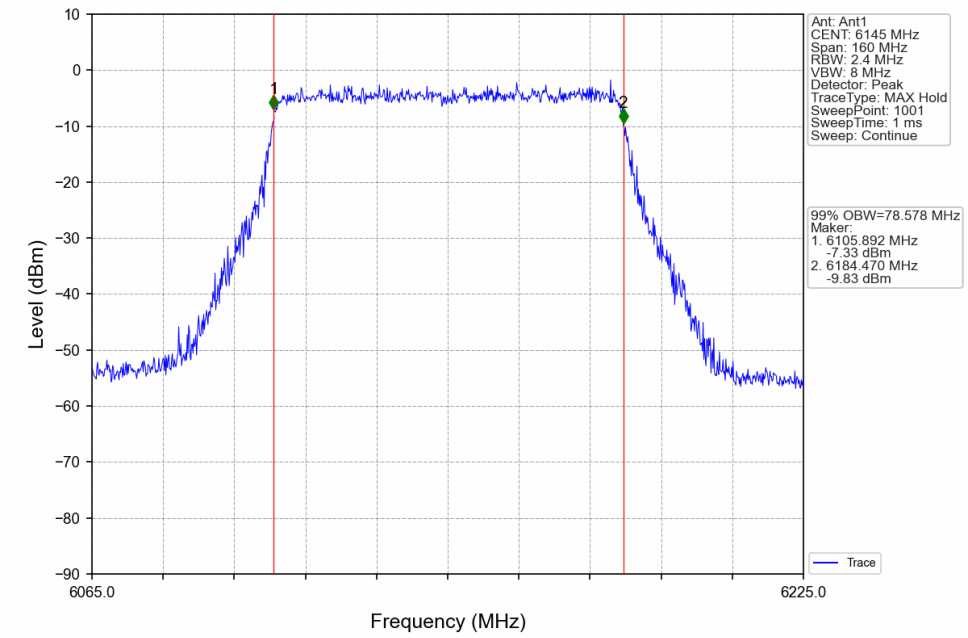

802.11be(EHT40)_HCH_6405MHz_RU484_Left_Ant1_NTNV



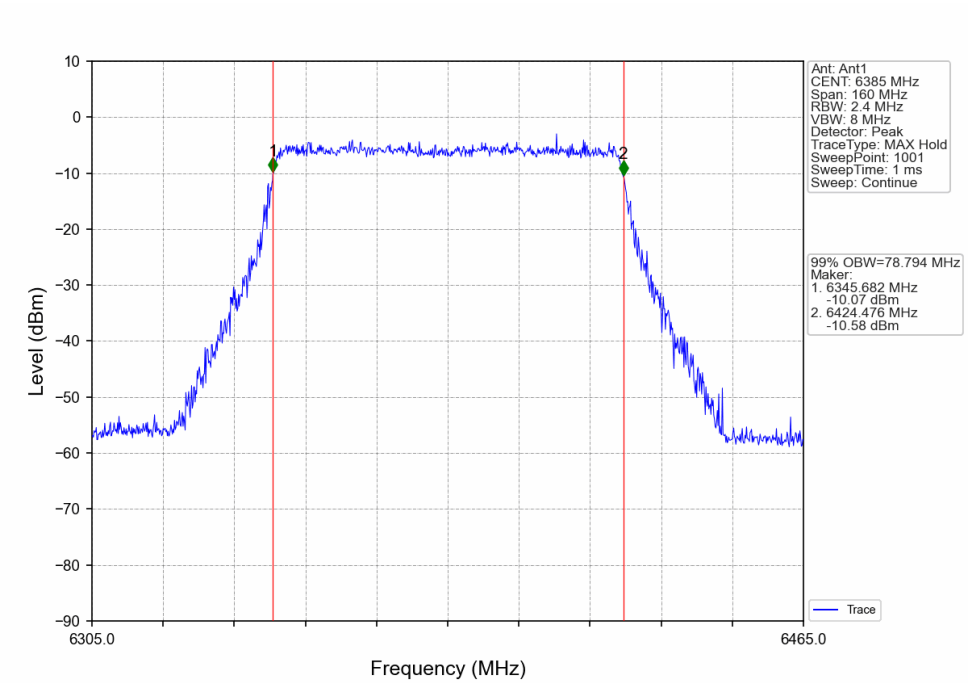
802.11be(EHT80)_LCH_5985MHz_RU996_Left_Ant1_NTNV



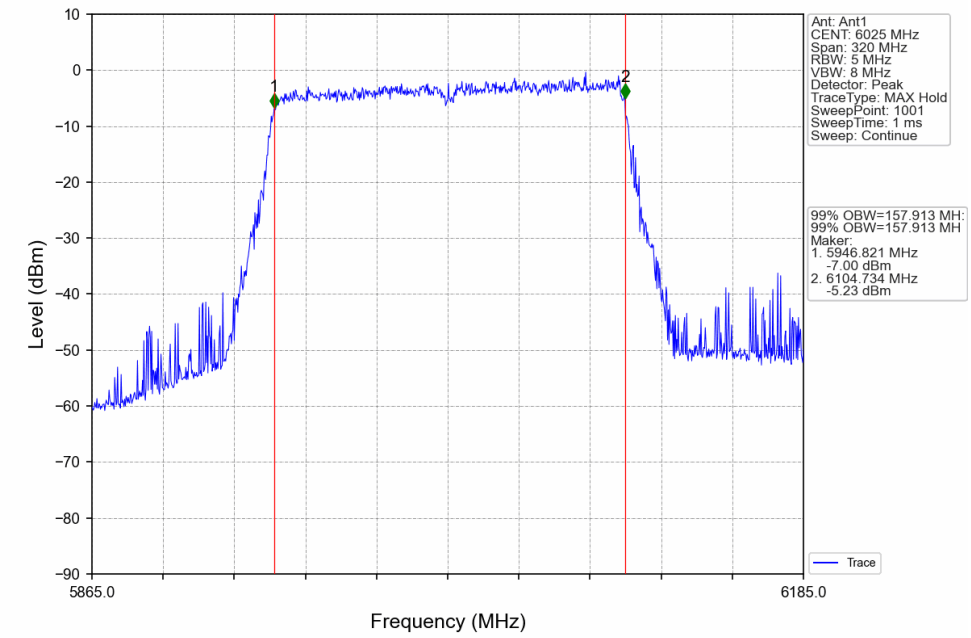

802.11be(EHT80)_MCH_6145MHz_RU996_Left_Ant1_NTNV



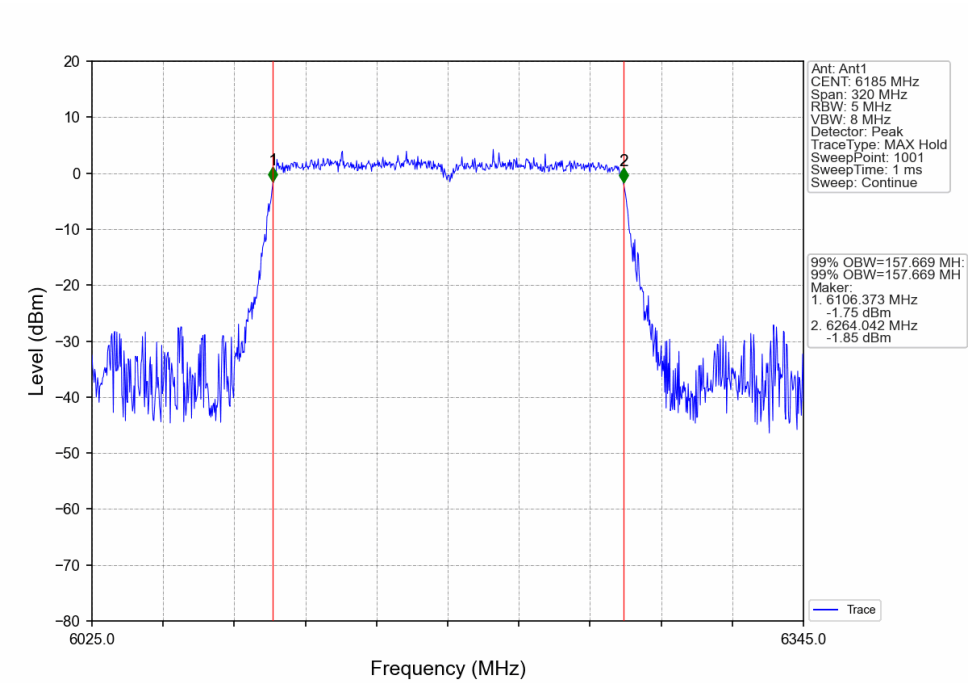
802.11be(EHT80)_HCH_6385MHz_RU996_Left_Ant1_NTNV



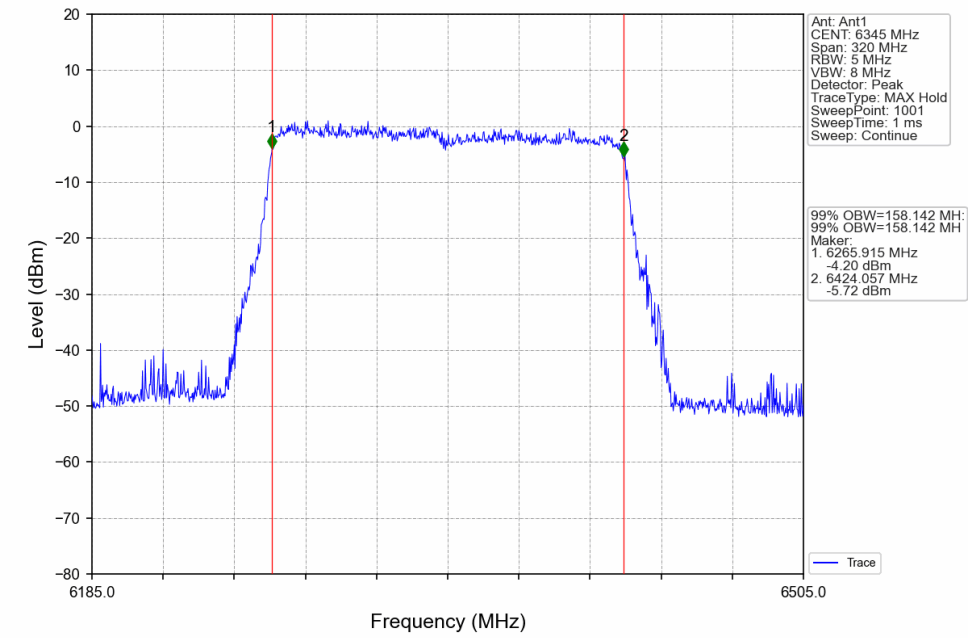

802.11be(EHT160)_LCH_6025MHz_2xRU996_Left_Ant1_NTNV



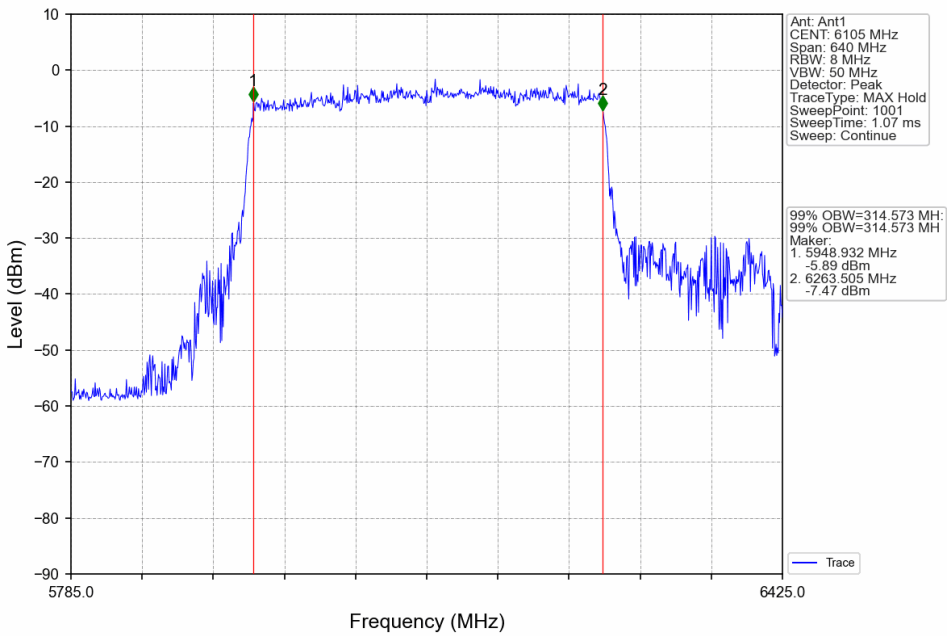
802.11be(EHT160)_MCH_6185MHz_2xRU996_Left_Ant1_NTNV




802.11be(EHT160)_HCH_6345MHz_2xRU996_Left_Ant1_NTNV



802.11be(EHT320)_LCH_6105MHz_4xRU996_Left_Ant1_NTNV




802.11be(EHT320)_HCH_6265MHz_4xRU996_Left_Ant1_NTNV