

RF MEASUREMENT REPORT

FCC ID: 2AXJ4BE95
Applicant: TP-Link Corporation Limited
Product: BE33000 Whole Home Mesh Wi-Fi 7 System
Model No.: Deco BE95
Brand Name: tp-link
FCC Classification: Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s): Part 15 Subpart E (Section 15.407)
Result: Complies
Received Date: 2023-01-03
Test Date: 2023-01-10 ~ 2023-02-17

Reviewed By:

Kevin Guo

Approved By:

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB789033. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

| Report No. | Version | Description | Issue Date | Note |
|---------------|---------|----------------|------------|-------|
| 2212RSU044-U4 | V01 | Initial Report | 2023-03-27 | Valid |
| | | | | |

Note: This report is prepared for FCC Class II permissive change supplement based on MRT original "2212RSU044-U2" report to open the NII-2a/-2c/-5/-7/-8 bands via the software.

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1. General Information

1.1. Applicant

TP-Link Corporation Limited

Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hongkong

1.2. Manufacturer

TP-Link Corporation Limited

Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hongkong

1.3. Testing Facility

| | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <p>Test Site – MRT Suzhou Laboratory</p> <hr/> <p>Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China</p> <p>Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China</p> <hr/> <p>Laboratory Accreditations</p> <p>A2LA: 3628.01 CNAS: L10551</p> <p>FCC: CN1166 ISED: CN0001</p> <p>VCCI: <input type="checkbox"/>R-20025 <input type="checkbox"/>G-20034 <input type="checkbox"/>C-20020 <input type="checkbox"/>T-20020</p> <p><input type="checkbox"/>R-20141 <input type="checkbox"/>G-20134 <input type="checkbox"/>C-20103 <input type="checkbox"/>T-20104</p> |
| <input type="checkbox"/> | <p>Test Site – MRT Shenzhen Laboratory</p> <hr/> <p>Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China</p> <hr/> <p>Laboratory Accreditations</p> <p>A2LA: 3628.02 CNAS: L10551</p> <p>FCC: CN1284 ISED: CN0105</p> |
| <input type="checkbox"/> | <p>Test Site – MRT Taiwan Laboratory</p> <hr/> <p>Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)</p> <hr/> <p>Laboratory Accreditations</p> <p>TAF: L3261-190725</p> <p>FCC: 291082, TW3261 ISED: TW3261</p> |

1.4. Product Information

| | |
|---|---|
| Product Name | BE33000 Whole Home Mesh Wi-Fi 7 System |
| Model No. | Deco BE95 |
| EUT Identification No. | 20230103Sample#01 (Conducted) 20230103Sample#02 (Radiated and AC conducted Emission) |
| Wi-Fi Specification | 802.11a/b/g/n/ac/ax/be |
| Antenna Information | Refer to selection 1.7 |
| Power Type | By Adapter |
| Accessory | |
| Adapter | Model: T150500-2-DT INPYUT: 100-240~50/60Hz 2.0A OUTPUT: DC15.0V, 5.0A |
| Note: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer. | |

1.5. Radio Specification under Test

| | |
|--------------------|---|
| Frequency Range | For 802.11a/n-HT20/ac-VHT20/ax-HE20/be-EHT20: 5260~5320MHz, 5500~5720MHz For 802.11n-HT40/ac-VHT40/ax-HE40/be-EHT40: 5270~5310MHz, 5510~5710MHz For 802.11ac-VHT80/ax-HE80/be-EHT80: 5290MHz, 5530MHz, 5610 MHz, 5690MHz For 802.11ac-VHT160/ax-HE160/be-EHT160: 5250MHz, 5570MHz For 802.11be-EHT240: 5650MHz |
| Type of Modulation | 802.11a/n/ac: OFDM 802.11ax/be: OFDMA |
| Data Rate | 802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 600Mbps 802.11ac: up to 3466.7Mbps 802.11ax: up to 4804Mbps 802.11be: up to 8647Mbps |

1.6. Working Frequencies

802.11a/n-HT20/ac-VHT20/ax-HE20/be-EHT20

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|
| 52 | 5260 MHz | 56 | 5280 MHz | 60 | 5300 MHz |
| 64 | 5320 MHz | 100 | 5500 MHz | 104 | 5520 MHz |
| 108 | 5540 MHz | 112 | 5560 MHz | 116 | 5580 MHz |
| 120 | 5600 MHz | 124 | 5620 MHz | 128 | 5640 MHz |
| 132 | 5660 MHz | 136 | 5680 MHz | 140 | 5700 MHz |
| 144 | 5720 MHz | -- | -- | -- | -- |

802.11n-HT40/ac-VHT40/ax-HE40/be-EHT40

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|
| 54 | 5270 MHz | 62 | 5310 MHz | 102 | 5510 MHz |
| 110 | 5550MHz | 118 | 5590 MHz | 126 | 5630 MHz |
| 134 | 5670 MHz | 142 | 5710 MHz | -- | -- |

802.11ac-VHT80/ax-HE80/be-EHT80

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|
| 58 | 5290 MHz | 106 | 5530 MHz | 122 | 5610 MHz |
| 138 | 5690 MHz | -- | -- | -- | -- |

802.11ac-VHT160/ax-HE160/be-EHT160

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|
| 50 | 5250 MHz | 114 | 5570 MHz | -- | -- |

802.11be-EHT240

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|
| 130 | 5650 MHz | -- | -- | -- | -- |

1.7. Antenna Details

| Antenna Type | Frequency Band (MHz) | Tx Paths | Number of spatial streams | Antenna Gain (dBi) | | | | CDD Directional Gain (dBi) | |
|----------------|----------------------|----------|---------------------------|--------------------|-------|-------|-------|----------------------------|---------|
| | | | | Ant 0 | Ant 1 | Ant 2 | Ant 3 | For Power | For PSD |
| Dipole Antenna | 5150 ~ 5250 | 4 | 1 | 2.59 | 2.63 | 2.83 | 2.97 | 2.97 | 8.99 |
| | 5725 ~ 5850 | | | | | | | | |
| | 5250 ~ 5725 | 4 | 1 | 2.59 | 2.63 | 2.83 | 2.97 | 2.97 | 8.99 |
| | | 4 | 4 | 2.59 | 2.63 | 2.83 | 2.97 | 2.97 | 2.97 |

Remark:

- The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

Directional gain = Max. G_{ANT} + Array Gain, where Array Gain is as follows.

- For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log (N_{ANT} / N_{SS})$ dB;

- For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB for $N_{ANT} \leq 4$;

- The information as above is from the antenna specifications.

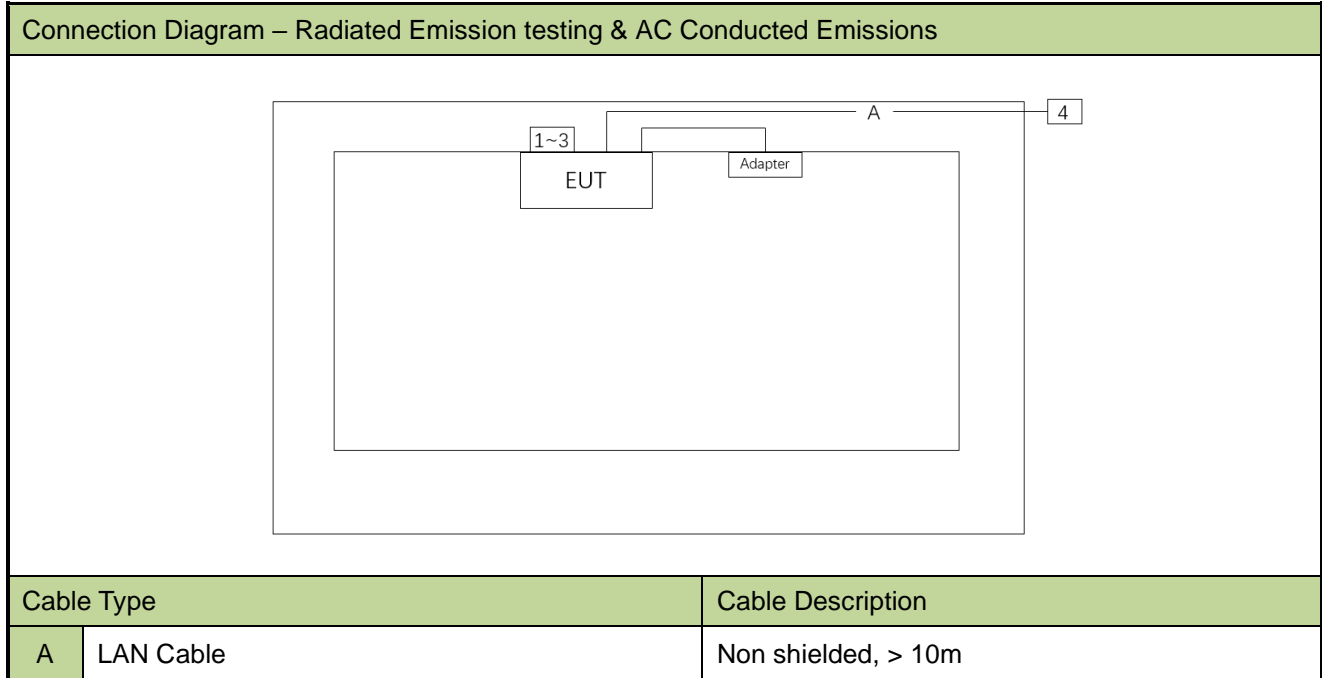
2. Test Configuration

2.1. Test Mode

| CDD Mode |
|---|
| Mode 1: Transmit by 802.11a_N _{SS} =1 (6Mbps) |
| Mode 2: Transmit by 802.11ac-VHT20_N _{SS} =1 (MCS0) |
| Mode 3: Transmit by 802.11ac-VHT40_N _{SS} =1 (MCS0) |
| Mode 4: Transmit by 802.11ac-VHT80_N _{SS} =1 (MCS0) |
| Mode 5: Transmit by 802.11ac-VHT160_N _{SS} =1 (MCS0) |
| Mode 6: Transmit by 802.11ax-HE20_N _{SS} =1 (MCS0) |
| Mode 7: Transmit by 802.11ax-HE40_N _{SS} =1 (MCS0) |
| Mode 8: Transmit by 802.11ax-HE80_N _{SS} =1 (MCS0) |
| Mode 9: Transmit by 802.11ax-HE160_N _{SS} =1 (MCS0) |
| Mode 10: Transmit by 802.11be-EHT20_N _{SS} =1 (MCS0) |
| Mode 11: Transmit by 802.11be-EHT40_N _{SS} =1 (MCS0) |
| Mode 12: Transmit by 802.11be-EHT80_N _{SS} =1 (MCS0) |
| Mode 13: Transmit by 802.11be-EHT160_N _{SS} =1 (MCS0) |
| Mode 14: Transmit by 802.11be-EHT240_N _{SS} =1 (MCS0) |
| Mode 15: Transmit by 802.11ax-HE20_N _{SS} =4 (MCS0) |
| Mode 16: Transmit by 802.11be-EHT20_N _{SS} =4 (MCS0) |
| Note: |
| <ol style="list-style-type: none"> For Radiated emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power. For CDD mode, this device supports 4 N_{SS} and power level is the same of spatial multiplexing. The worst case is N_{SS}=1. Meanwhile, N_{SS}=4 at 802.11ax-HE20/be-EHT20 of NII-2a/-2c was tested in this report. EUT supports one configuration only in 802.11ax/be full RU mode. Due to the same modulation between 802.11n and 802.11ac, so 802.11n-HT20 and HT40 are covered by 802.11ac-VHT20 and VHT40 in this report, meanwhile, power setting for 802.11n-HT20 and HT40 will not be greater than 802.11ac-VHT20 and VHT40. As Designated by manufacturer, the lowest data rate was the worst condition, so all the tests were done with lowest data rate. |

2.2. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10: 2013 was used to reference the appropriate EUT setup for radiated emissions testing and AC line conducted testing.



2.3. Test System Details

| Product | Manufacturer | Model No. |
|----------------------|--------------|-----------|
| 1~3 Simulated load | N/A | 001 |
| 4 Notebook | Lenovo | E431 |

2.4. Test Software

The test utility software used during testing was “QSPR”, and the version was 5.0-00202.

Note: Final power setting please refer to operational description.

2.5. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15.407
- KDB 789033 D02v02r01
- KDB 662911 D01v02r01
- ANSI C63.10-2013

2.6. Test Environment Condition

| | |
|---------------------|------------|
| Ambient Temperature | 15 ~ 35°C |
| Relative Humidity | 20 ~ 75%RH |

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of the device is **permanently attached**.
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

| Instrument | Manufacturer | Model No. | Asset No. | Cali. Interval | Cali. Due Date | Test Site |
|-------------------|--------------|-------------|-------------|----------------|----------------|-----------|
| EMI Test Receiver | R&S | ESR7 | MRTSUE06001 | 1 year | 2023-12-28 | WZ-AC1 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | MRTSUE06023 | 1 year | 2023-08-22 | WZ-AC1 |
| Preamplifier | Agilent | 83017A | MRTSUE06076 | 1 year | 2023-05-08 | WZ-AC1 |
| TRILOG Antenna | Schwarzbeck | VULB 9168 | MRTSUE06172 | 1 year | 2023-06-21 | WZ-AC1 |
| Anechoic Chamber | TDK | WZ-AC1 | MRTSUE06212 | 1 year | 2023-04-21 | WZ-AC1 |
| Thermohygrometer | testo | 608-H1 | MRTSUE06403 | 1 year | 2023-06-06 | WZ-AC1 |
| Signal Analyzer | Keysight | N9010B | MRTSUE06607 | 1 year | 2023-12-28 | WZ-AC1 |
| Thermohygrometer | testo | 608-H1 | MRTSUE11039 | 1 year | 2023-11-01 | WZ-AC1 |
| Loop Antenna | Schwarzbeck | FMZB 1519 | MRTSUE06025 | 1 year | 2023-09-29 | WZ-AC1 |
| Horn Antenna | Schwarzbeck | BBHA 9170 | MRTSUE06597 | 1 year | 2023-11-05 | WZ-AC1 |
| Preamplifier | EMCI | EMC184045SE | MRTSUE06640 | 1 year | 2024-01-12 | WZ-AC1 |
| Signal Analyzer | Agilent | N9020A | MRTSUE06106 | 1 year | 2023-04-06 | WZ-SR5 |
| Thermohygrometer | testo | 608-H1 | MRTSUE06402 | 1 year | 2023-06-06 | WZ-SR5 |
| Shielding Room | HUAMING | WZ-SR5 | MRTSUE06442 | N/A | N/A | WZ-SR5 |
| USB Power Sensor | Keysight | U2021XA | MRTSUE06446 | 1 year | 2023-06-04 | WZ-SR5 |
| Attenuator | MVE | MVE2213 | MRTSUE11090 | 1 year | 2023-06-09 | WZ |
| Attenuator | MVE | MVE2213 | MRTSUE11081 | 1 year | 2023-06-09 | WZ |
| Anechoic Chamber | RIKEN | SIP-AC1 | MRTSUE06554 | 1 year | 2023-12-22 | SIP-AC1 |
| Preamplifier | EMCI | EMC051845SE | MRTSUE06600 | 1 year | 2023-11-07 | SIP-AC1 |
| Horn Antenna | R&S | HF907 | MRTSUE06610 | 1 year | 2023-07-13 | SIP-AC1 |
| Thermohygrometer | testo | 608-H1 | MRTSUE06616 | 1 year | 2023-11-01 | SIP-AC1 |
| Thermohygrometer | testo | 608-H1 | MRTSUE06620 | 1 year | 2023-11-27 | SIP-AC1 |
| TRILOG Antenna | Schwarzbeck | VULB 9168 | MRTSUE06645 | 1 year | 2023-07-30 | SIP-AC1 |

| Software | Version | Function |
|----------------------|---------|------------------------|
| EMI Software | V3.0.0 | EMI Test Software |
| Controller_MF 7802 | 2.03C | RE Antenna & Turntable |
| BenchVue Power Meter | 2018.1 | Power |

5. Decision Rules and Measurement Uncertainty

5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

| |
|---|
| AC Conducted Emission Measurement |
| The maximum measurement uncertainty is evaluated as: 9kHz~150kHz: 3.58dB 150kHz~30MHz: 3.20dB |
| Radiated Emission Measurement |
| The maximum measurement uncertainty is evaluated as: Coaxial: 9kHz~30MHz: 2.59dB Coplanar: 9kHz~30MHz: 2.60dB Horizontal: 30MHz~200MHz: 3.85dB 200MHz~1GHz: 4.36dB 1GHz~40GHz: 4.98dB Vertical: 30MHz~200MHz: 4.06dB 200MHz~1GHz: 5.28dB 1GHz~40GHz: 4.91dB |
| Spurious Emissions, Conducted |
| Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 2.3dB |
| Output Power |
| Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 1.5dB |
| Power Spectrum Density |
| Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 2.3dB |
| Occupied Bandwidth |
| Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 3.2% |

6. Test Result

6.1. Summary

| FCC Section(s) | Test Description | Test Condition | Verdict |
|---|---|----------------|---------|
| 15.407(a) | 26dB Bandwidth | Conducted | Pass |
| 15.407(a)(2) | Maximum Conducted Output Power | | Pass |
| 15.407(h)(1) | Transmit Power Control | | Pass |
| 15.407(a)(2), (12) | Peak Power Spectral Density | | Pass |
| 15.407(b)(2), (3) | Undesirable Emissions | Radiated | Pass |
| 15.205, 15.209 15.407(b)(8), (9), (10) | General Field Strength Limits (Restricted Bands and Radiated Emission Limits) | | Pass |

Remark:

1. The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
2. The test results shown in the following sections represent the worst-case emissions.

6.2. 26dB & 99% Bandwidth Measurement

6.2.1. Test Limit

N/A

6.2.2. Test Procedure

KDB 789033 D02v02r01- Section II)C)1) (26dB Bandwidth)

KDB 789033 D02v02r01- Section II)D) (99% Bandwidth)

6.2.3. Test Setting

26dB Bandwidth

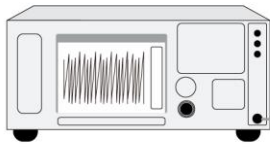
1. The analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth
2. RBW = approximately 1% of the emission bandwidth.
3. VBW > RBW
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission.
Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

99% Bandwidth

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 1% to 5% of the OBW
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times to 5 times the OBW
5. Detector = peak
6. Trace mode = max hold
7. Allow the trace to stabilize
8. Use the 99% power bandwidth function of the instrument.

6.2.4. Test Setup

Spectrum Analyzer



DC Block
&
Attenuator



6.2.5. Test Result

Refer to Appendix A.2.

6.3. Output Power Measurement

6.3.1. Test Limit

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

6.3.2. Test Procedure

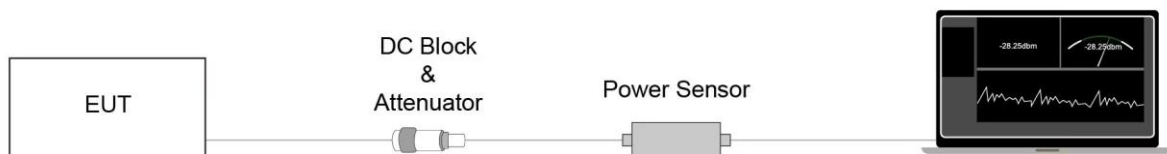
KDB 789033D02v02r01- Section II)E)3)b) Method PM-G

6.3.3. Test Setting

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

6.3.4. Test Setup



6.3.5. Test Result

Refer to Appendix A.3.

6.4. Transmit Power Control Measurement

6.4.1. Test Limit

The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

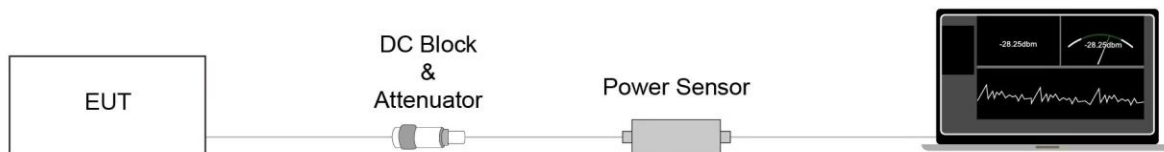
6.4.2. Test Procedure

KDB 789033 D02v01- Section II(E)3)b) Method PM-G

6.4.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

6.4.4. Test Setup



6.4.5. Test Result

Device supports TPC mechanism, details refer to the operational description.

6.5. Power Spectral Density Measurement

6.5.1. Test Limit

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

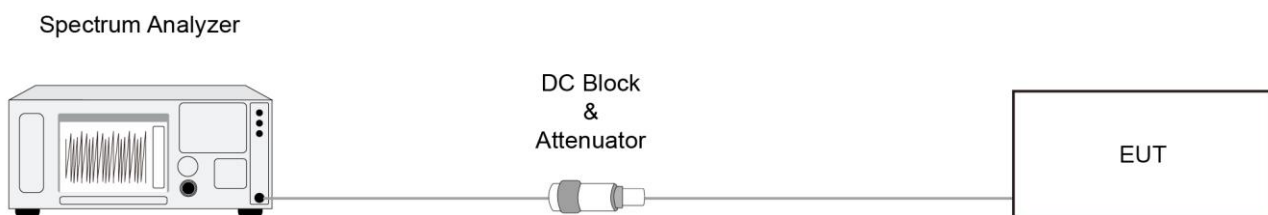
6.5.2. Test Procedure

KDB 789033 D02v02r01-Section II)F)

6.5.3. Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz
4. VBW = 3 × RBW
5. Number of sweep points $\geq 2 \times (\text{span} / \text{RBW})$
6. Detector = power averaging (Average)
7. Sweep time = auto
8. Trigger = free run
9. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.
10. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
11. Add $10 \cdot \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \cdot \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.

6.5.4. Test Setup



6.5.5. Test Result

Refer to Appendix A.4.

6.6. Radiated Spurious Emission Measurement

6.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

| FCC Part 15 Subpart C Paragraph 15.209 | | |
|--|-----------------------|----------------------------|
| Frequency [MHz] | Field Strength [uV/m] | Measured Distance [Meters] |
| 0.009 - 0.490 | 2400/F (kHz) | 300 |
| 0.490 - 1.705 | 24000/F (kHz) | 30 |
| 1.705 - 30 | 30 | 30 |
| 30 - 88 | 100 | 3 |
| 88 - 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

6.6.2. Test Procedure

KDB 789033 D02v02r01- Section II)G)

6.6.3. Test Setting

Table 1 - RBW as a function of frequency

| Frequency | RBW |
|---------------|---------------|
| 9 ~ 150 kHz | 200 ~ 300 Hz |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000MHz | 1MHz |

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

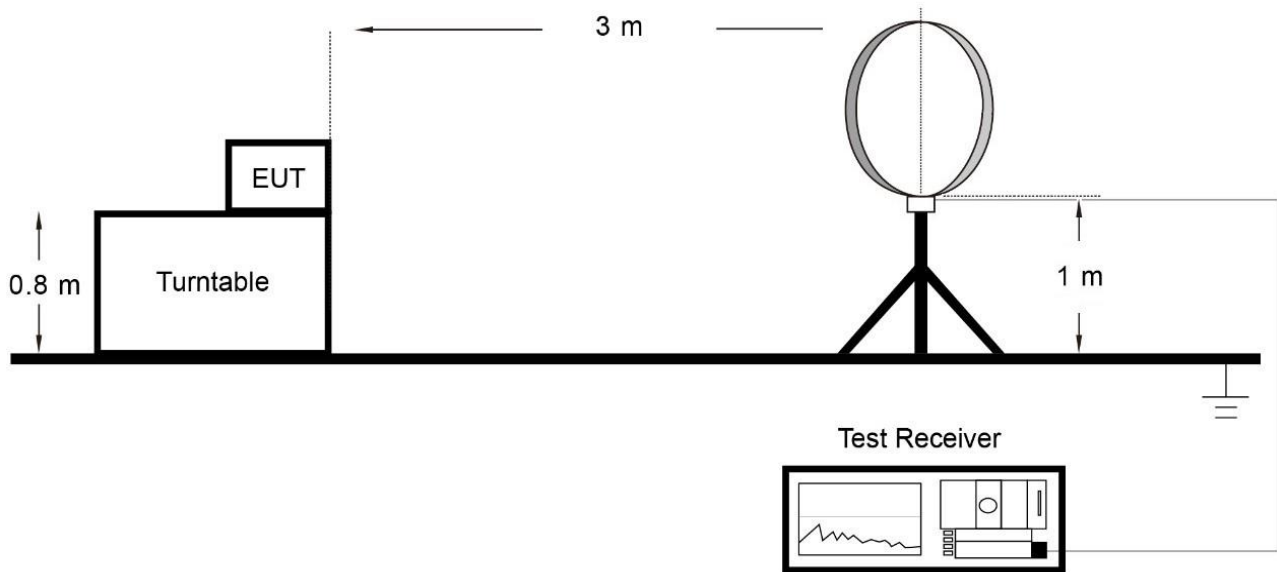
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

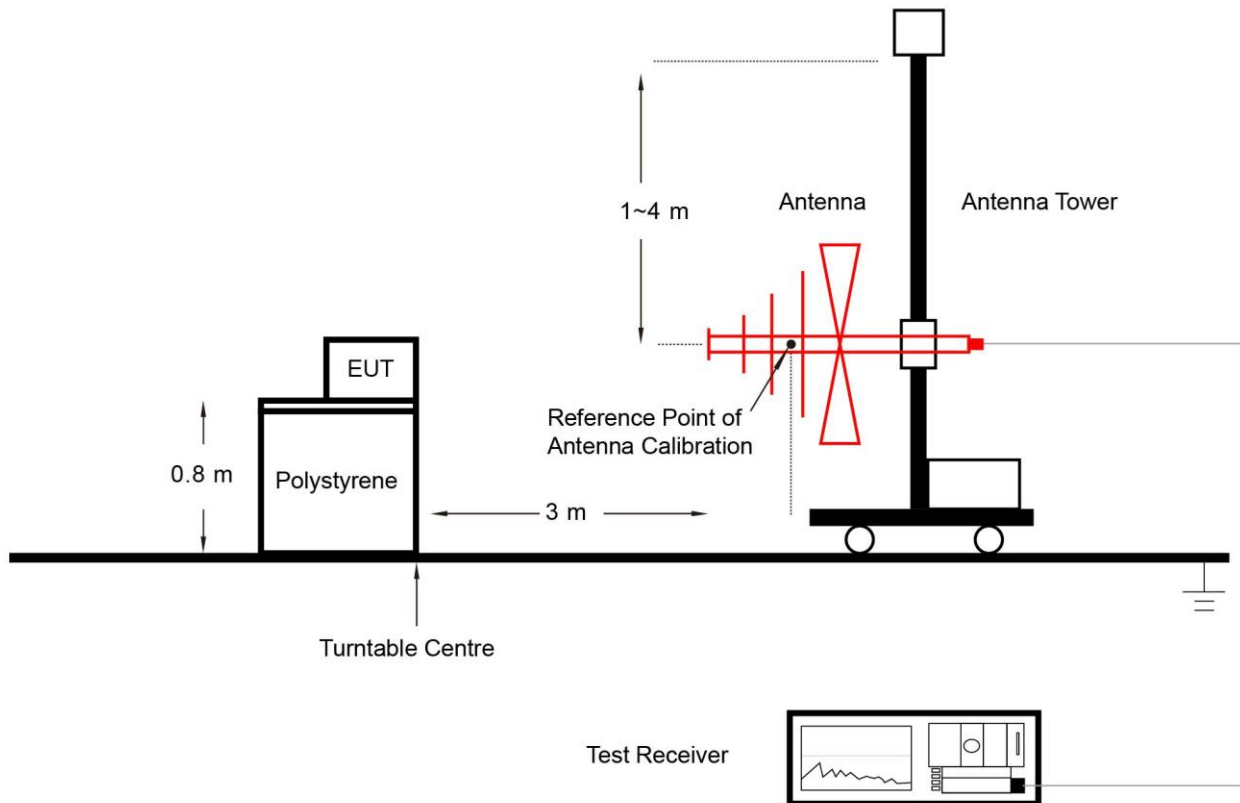
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

6.6.4. Test Setup

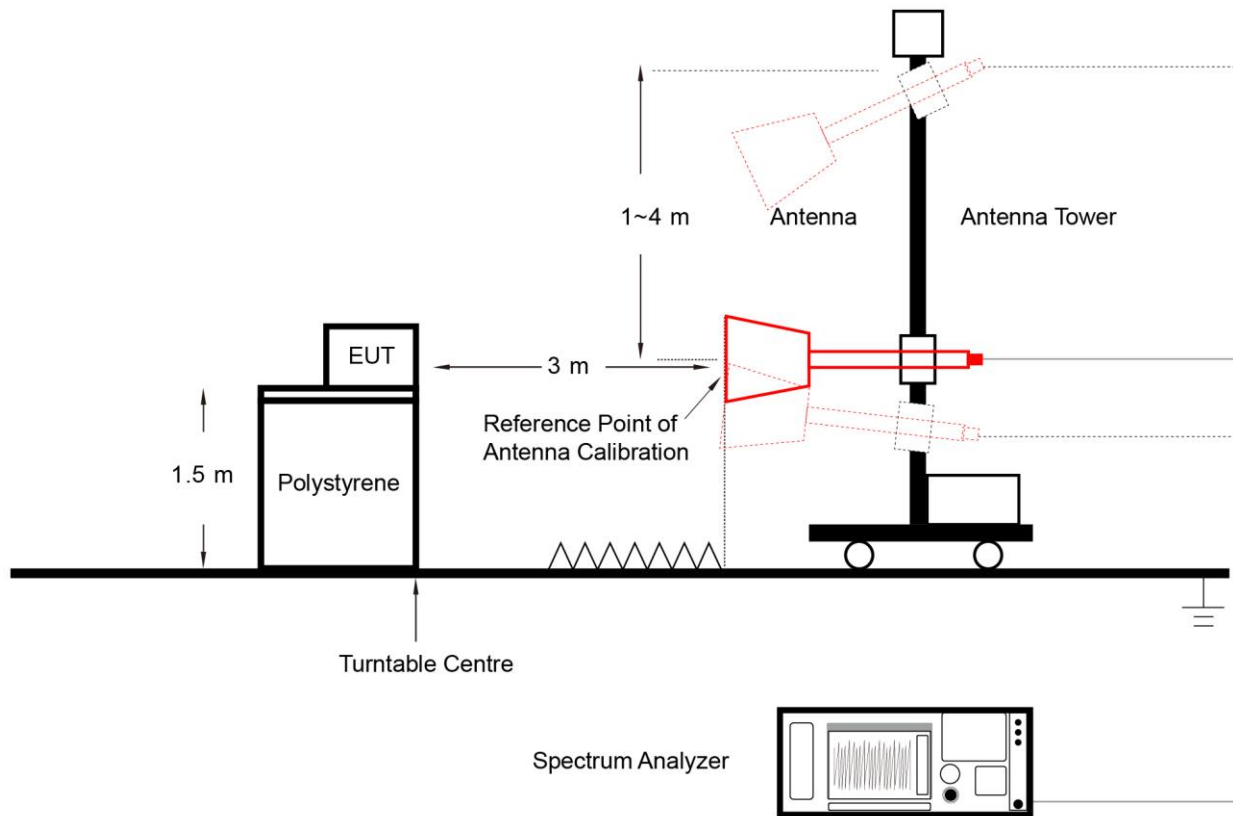
Below 30MHz Test Setup:



Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.6.5. Test Result

Refer to Appendix A.5.

6.7. Radiated Restricted Band Edge Measurement

6.7.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

| Frequency (MHz) | Frequency (MHz) | Frequency (MHz) | Frequency (GHz) |
|----------------------------|-----------------------|--------------------|--------------------|
| 0.090 - 0.110 | 16.42 - 16.423 | 399.9 - 410 | 4.5 - 5.15 |
| ¹ 0.495 - 0.505 | 16.69475 - 16.69525 | 608 - 614 | 5.35 - 5.46 |
| 2.1735 - 2.1905 | 16.80425 - 16.80475 | 960 - 1240 | 7.25 - 7.75 |
| 4.125 - 4.128 | 25.5 - 25.67 | 1300 - 1427 | 8.025 - 8.5 |
| 4.17725 - 4.17775 | 37.5 - 38.25 | 1435 - 1626.5 | 9.0 - 9.2 |
| 4.20725 - 4.20775 | 73 - 74.6 | 1645.5 - 1646.5 | 9.3 - 9.5 |
| 6.215 - 6.218 | 74.8 - 75.2 | 1660 - 1710 | 10.6 - 12.7 |
| 6.26775 - 6.26825 | 108 - 121.94 | 1718.8 - 1722.2 | 13.25 - 13.4 |
| 6.31175 - 6.31225 | 123 - 138 | 2200 - 2300 | 14.47 - 14.5 |
| 8.291 - 8.294 | 149.9 - 150.05 | 2310 - 2390 | 15.35 - 16.2 |
| 8.362 - 8.366 | 156.52475 - 156.52525 | 2483.5 - 2500 | 17.7 - 21.4 |
| 8.37625 - 8.38675 | 156.7 - 156.9 | 2690 - 2900 | 22.01 - 23.12 |
| 8.41425 - 8.41475 | 162.0125 - 167.17 | 3260 - 3267 | 23.6 - 24.0 |
| 12.29 - 12.293 | 167.72 - 173.2 | 3332 - 3339 | 31.2 - 31.8 |
| 12.51975 - 12.52025 | 240 - 285 | 3345.8 - 3358 | 36.43 - 36.5 |
| 12.57675 - 12.57725 | 322 - 335.4 | 3600 - 4400 | (²) |
| 13.36 - 13.41 | -- | -- | -- |

For 15.407(b) requirement:

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

Refer to KDB 789033 D02v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

| FCC Part 15 Subpart C Paragraph 15.209 | | |
|--|--------------------------|-------------------------------|
| Frequency [MHz] | Field Strength [uV/m] | Measured Distance [Meters] |
| 0.009 - 0.490 | 2400/F (kHz) | 300 |
| 0.490 - 1.705 | 24000/F (kHz) | 30 |
| 1.705 - 30 | 30 | 30 |
| 30 - 88 | 100 | 3 |
| 88 - 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

6.7.2. Test Procedure

KDB 789033 D02v02r01- Section II)G)

6.7.3. Test Setting

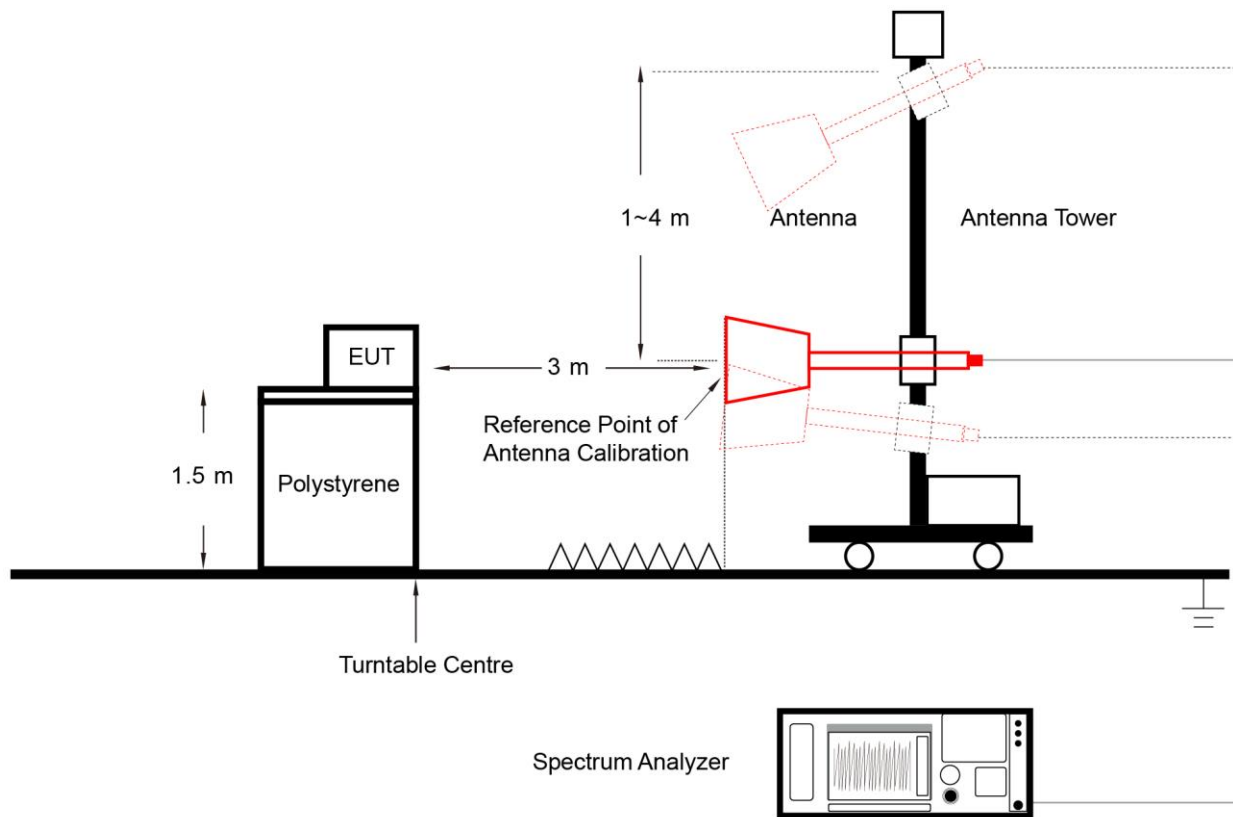
Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; if the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10Hz
4. If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Trace was allowed to stabilize

6.7.4. Test Setup



6.7.5. Test Result

Refer to Appendix A.6.

Appendix A – Test Result

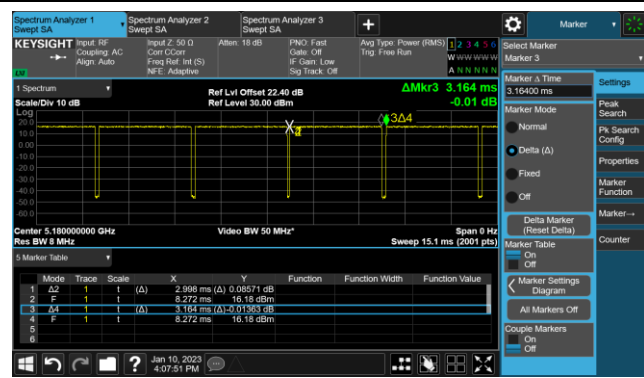
A.1 Duty Cycle Test Result

| | | | |
|-----------|-------------------------|---------------|-----------|
| Test Site | WZ-SR5 | Test Engineer | Jeff Yang |
| Test Date | 2023-01-11 ~ 2023-01-28 | | |

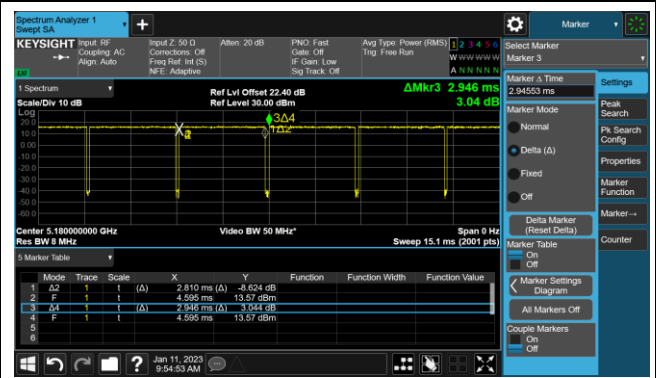
| Test Mode | Duty Cycle |
|-----------------|------------|
| 802.11a | 94.75% |
| 802.11ac-VHT20 | 95.38% |
| 802.11ac-VHT40 | 92.16% |
| 802.11ac-VHT80 | 91.78% |
| 802.11ac-VHT160 | 91.63% |
| 802.11ax-HE20 | 96.31% |
| 802.11ax-HE40 | 93.85% |
| 802.11ax-HE80 | 95.43% |
| 802.11ax-HE160 | 95.44% |
| 802.11be-EHT20 | 95.85% |
| 802.11be-EHT40 | 93.57% |
| 802.11be-EHT80 | 96.84% |
| 802.11be-EHT160 | 93.15% |
| 802.11be-EHT240 | 96.60% |

Duty Cycle (T = Transmission Duration)

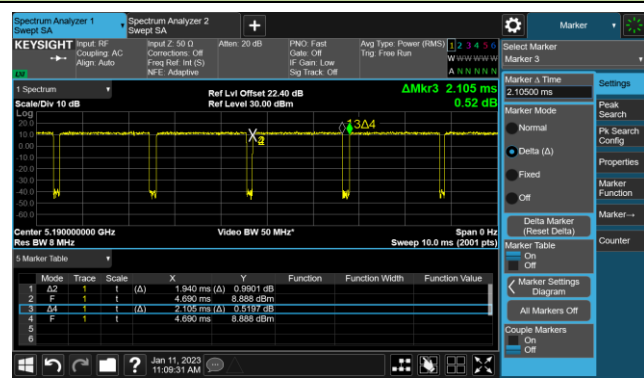
802.11a (T = 2.998ms)



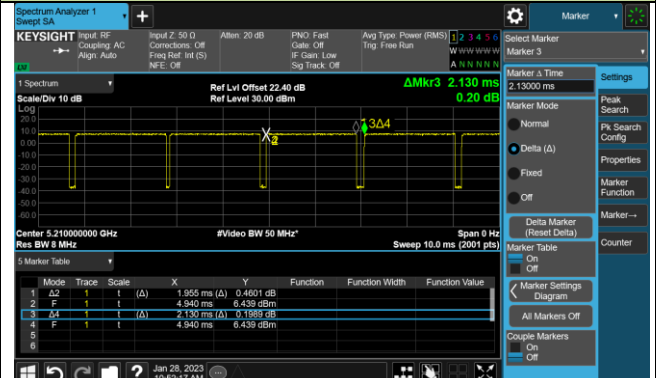
802.11ac-VHT20 (T = 2.810ms)



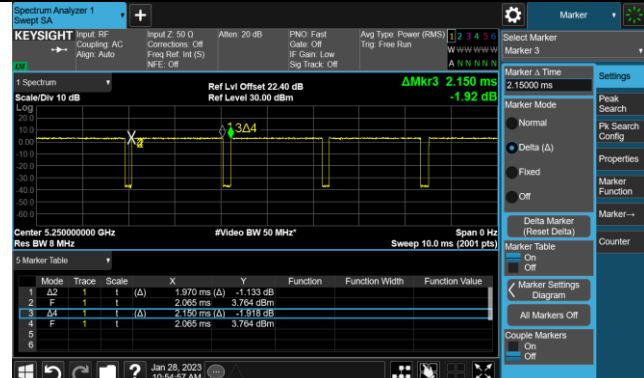
802.11ac-VHT40 (T = 1.940ms)



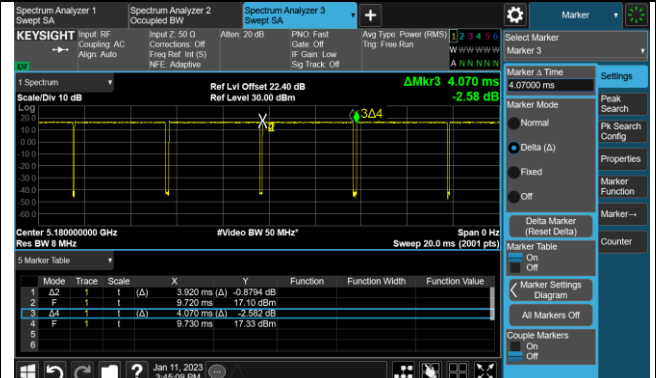
802.11ac-VHT80 (T = 1.955ms)



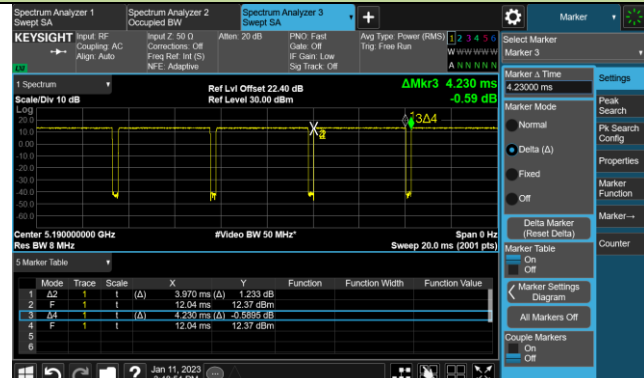
802.11ac-VHT160 (T = 1.970ms)



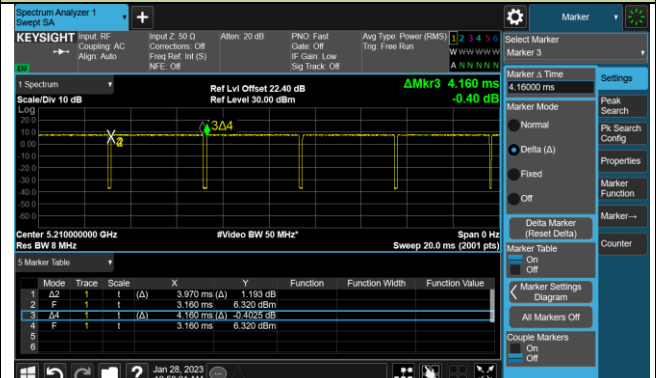
802.11ax-HE20 (T = 3.920ms)



802.11ax-HE40 (T = 3.970ms)

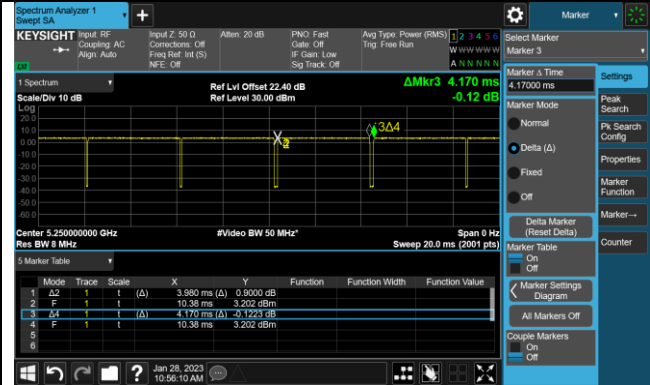


802.11ax-HE80 (T = 3.970ms)

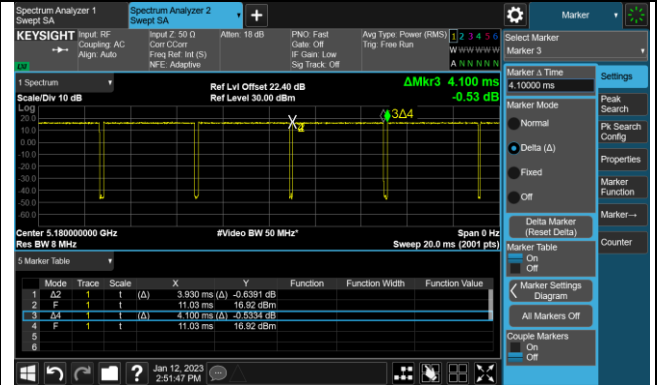


Duty Cycle (T = Transmission Duration)

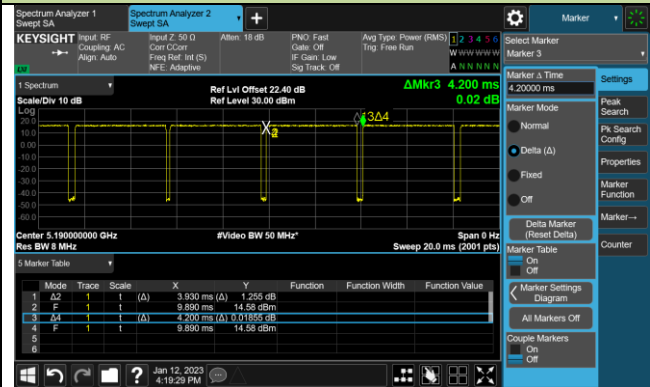
802.11ax-HE160 (T = 3.980ms)



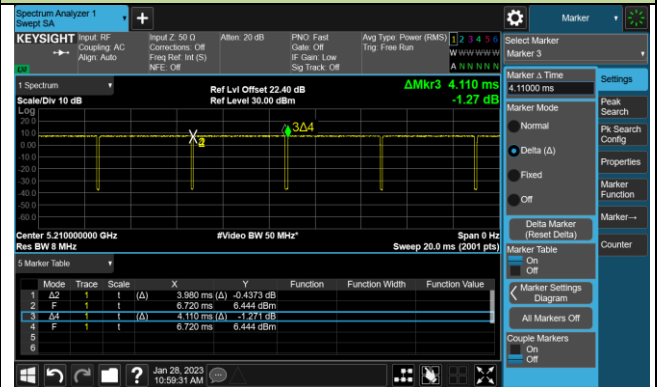
802.11be-EHT20 (T = 3.930ms)



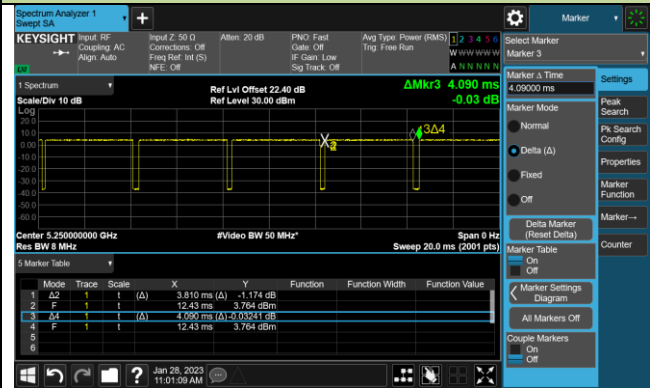
802.11be-EHT40 (T = 3.930ms)



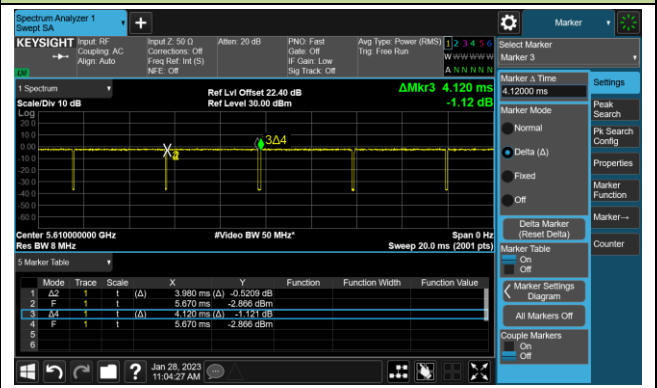
802.11be-EHT80 (T = 3.980ms)



802.11be-EHT160 (T = 3.810ms)



802.11be-EHT240 (T = 3.98ms)



A.2 26dB Bandwidth Test Result

| | | | |
|-----------|-------------------------|---------------|-----------|
| Test Site | WZ-SR5 | Test Engineer | Jeff Yang |
| Test Date | 2023-02-03 ~ 2023-02-07 | | |

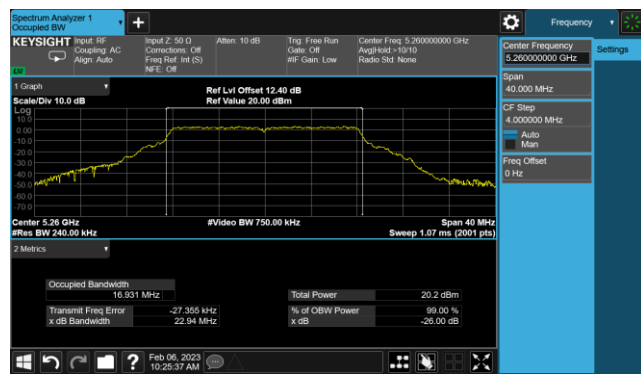
| Test Mode | Data Rate/ MCS | Channel No. | Frequency (MHz) | 26dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
|-------------|-------------------|-------------|--------------------|-------------------------|------------------------|
| 11a | 6Mbps | 52 | 5260 | 22.94 | 16.931 |
| 11a | 6Mbps | 60 | 5300 | 22.47 | 16.851 |
| 11a | 6Mbps | 64 | 5320 | 22.86 | 16.939 |
| 11a | 6Mbps | 100 | 5500 | 22.80 | 16.820 |
| 11a | 6Mbps | 116 | 5580 | 22.89 | 16.915 |
| 11a | 6Mbps | 140 | 5700 | 22.83 | 16.901 |
| 11a | 6Mbps | 144 | 5720 | 22.94 | 16.889 |
| 11ac-VHT20 | MCS0 | 52 | 5260 | 22.90 | 17.964 |
| 11ac-VHT20 | MCS0 | 60 | 5300 | 22.31 | 17.863 |
| 11ac-VHT20 | MCS0 | 64 | 5320 | 22.67 | 17.933 |
| 11ac-VHT20 | MCS0 | 100 | 5500 | 22.56 | 17.888 |
| 11ac-VHT20 | MCS0 | 116 | 5580 | 22.80 | 17.913 |
| 11ac-VHT20 | MCS0 | 140 | 5700 | 23.41 | 17.932 |
| 11ac-VHT20 | MCS0 | 144 | 5720 | 23.83 | 17.963 |
| 11ac-VHT40 | MCS0 | 54 | 5270 | 44.01 | 36.538 |
| 11ac-VHT40 | MCS0 | 62 | 5310 | 44.61 | 36.558 |
| 11ac-VHT40 | MCS0 | 102 | 5510 | 44.27 | 36.568 |
| 11ac-VHT40 | MCS0 | 110 | 5550 | 45.13 | 36.542 |
| 11ac-VHT40 | MCS0 | 134 | 5670 | 44.19 | 36.576 |
| 11ac-VHT40 | MCS0 | 142 | 5710 | 44.25 | 36.558 |
| 11ac-VHT80 | MCS0 | 58 | 5290 | 90.48 | 76.186 |
| 11ac-VHT80 | MCS0 | 106 | 5530 | 90.33 | 76.172 |
| 11ac-VHT80 | MCS0 | 112 | 5610 | 90.47 | 76.185 |
| 11ac-VHT80 | MCS0 | 138 | 5690 | 90.84 | 76.193 |
| 11ac-VHT160 | MCS0 | 50 | 5250 | 172.10 | 155.36 |
| 11ac-VHT160 | MCS0 | 114 | 5570 | 173.60 | 155.31 |

| Test Mode | Data Rate/ MCS | Channel No. | Frequency (MHz) | 26dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
|------------|-------------------|-------------|--------------------|-------------------------|------------------------|
| 11ax-HE20 | MCS0 | 52 | 5260 | 21.63 | 19.080 |
| 11ax-HE20 | MCS0 | 60 | 5300 | 21.78 | 19.013 |
| 11ax-HE20 | MCS0 | 64 | 5320 | 21.84 | 19.114 |
| 11ax-HE20 | MCS0 | 100 | 5500 | 21.13 | 19.074 |
| 11ax-HE20 | MCS0 | 116 | 5580 | 21.69 | 19.069 |
| 11ax-HE20 | MCS0 | 140 | 5700 | 21.93 | 19.086 |
| 11ax-HE20 | MCS0 | 144 | 5720 | 22.08 | 18.976 |
| 11ax-HE40 | MCS0 | 54 | 5270 | 44.15 | 38.041 |
| 11ax-HE40 | MCS0 | 62 | 5310 | 44.08 | 38.011 |
| 11ax-HE40 | MCS0 | 102 | 5510 | 44.43 | 38.125 |
| 11ax-HE40 | MCS0 | 110 | 5550 | 44.35 | 38.106 |
| 11ax-HE40 | MCS0 | 134 | 5670 | 44.46 | 38.137 |
| 11ax-HE40 | MCS0 | 142 | 5710 | 44.11 | 38.123 |
| 11ax-HE80 | MCS0 | 58 | 5290 | 87.91 | 77.707 |
| 11ax-HE80 | MCS0 | 106 | 5530 | 87.97 | 77.623 |
| 11ax-HE80 | MCS0 | 112 | 5610 | 88.43 | 77.696 |
| 11ax-HE80 | MCS0 | 138 | 5690 | 88.06 | 77.796 |
| 11ax-HE160 | MCS0 | 50 | 5250 | 169.10 | 156.88 |
| 11ax-HE160 | MCS0 | 114 | 5570 | 171.10 | 156.93 |
| 11be-EHT20 | MCS0 | 52 | 5260 | 22.01 | 19.029 |
| 11be-EHT20 | MCS0 | 60 | 5300 | 21.74 | 19.014 |
| 11be-EHT20 | MCS0 | 64 | 5320 | 21.42 | 19.013 |
| 11be-EHT20 | MCS0 | 100 | 5500 | 22.92 | 19.104 |
| 11be-EHT20 | MCS0 | 116 | 5580 | 23.20 | 19.136 |
| 11be-EHT20 | MCS0 | 140 | 5700 | 23.12 | 19.080 |
| 11be-EHT20 | MCS0 | 144 | 5720 | 23.38 | 19.098 |
| 11be-EHT40 | MCS0 | 54 | 5270 | 42.57 | 37.956 |
| 11be-EHT40 | MCS0 | 62 | 5310 | 42.88 | 38.031 |
| 11be-EHT40 | MCS0 | 102 | 5510 | 42.31 | 38.010 |
| 11be-EHT40 | MCS0 | 110 | 5550 | 43.07 | 37.979 |
| 11be-EHT40 | MCS0 | 134 | 5670 | 42.73 | 37.924 |
| 11be-EHT40 | MCS0 | 142 | 5710 | 42.58 | 37.955 |

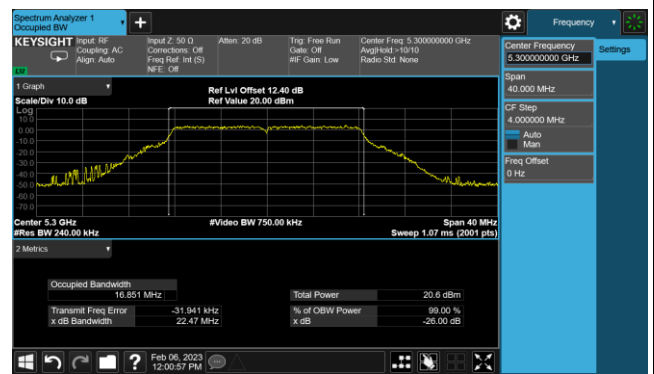
| Test Mode | Data Rate/ MCS | Channel No. | Frequency (MHz) | 26dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
|-------------|-------------------|-------------|--------------------|-------------------------|------------------------|
| 11be-EHT80 | MCS0 | 58 | 5290 | 89.84 | 77.652 |
| 11be-EHT80 | MCS0 | 106 | 5530 | 88.42 | 77.740 |
| 11be-EHT80 | MCS0 | 112 | 5610 | 88.96 | 77.657 |
| 11be-EHT80 | MCS0 | 138 | 5690 | 89.39 | 77.691 |
| 11be-EHT160 | MCS0 | 50 | 5250 | 170.30 | 156.80 |
| 11be-EHT160 | MCS0 | 114 | 5570 | 170.90 | 156.82 |
| 11be-EHT240 | MCS0 | 130 | 5650 | 261.20 | 236.09 |

802.11a 26dB Bandwidth & 99% Bandwidth

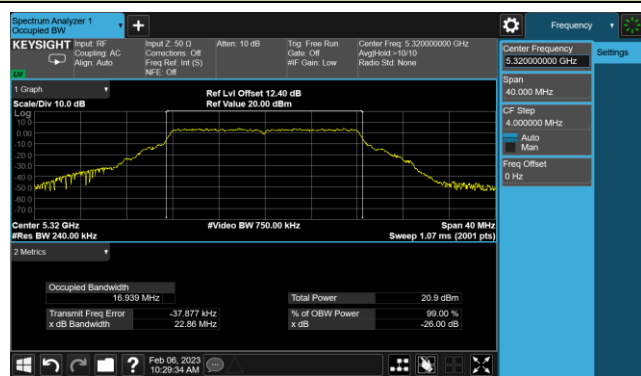
Channel 52 (5260MHz)



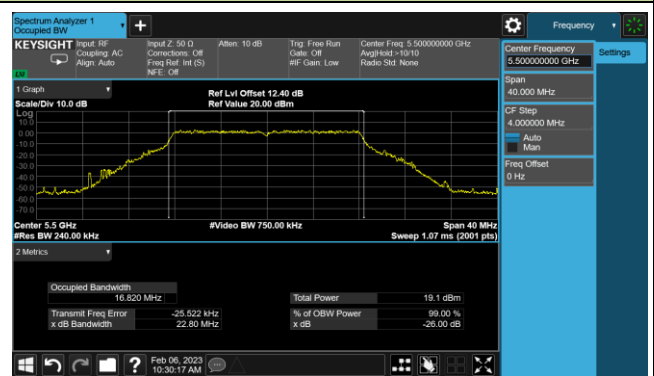
Channel 60 (5300MHz)



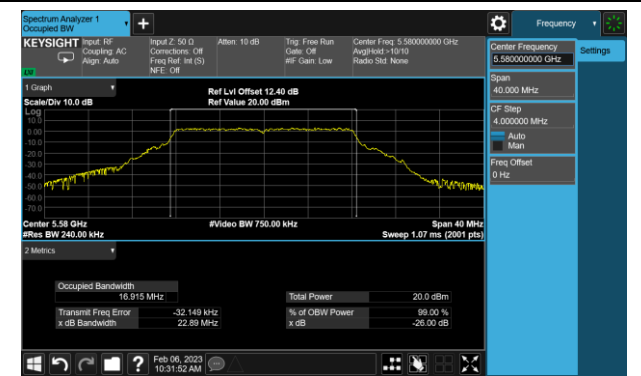
Channel 64 (5320MHz)



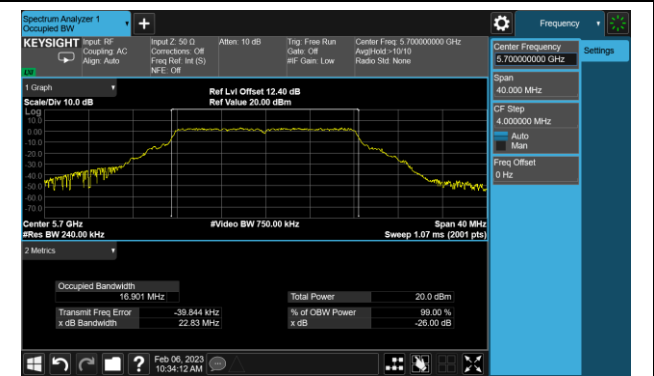
Channel 100 (5500MHz)



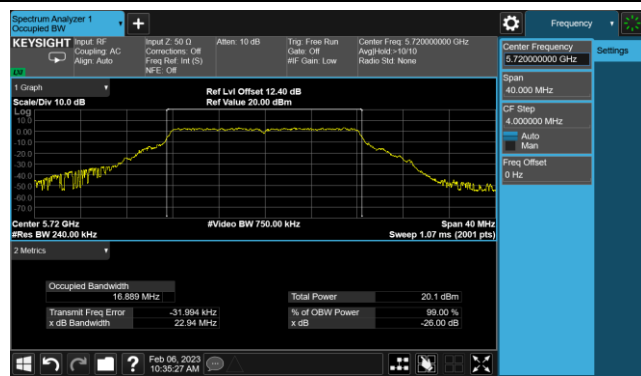
Channel 116 (5580MHz)



Channel 140 (5700MHz)

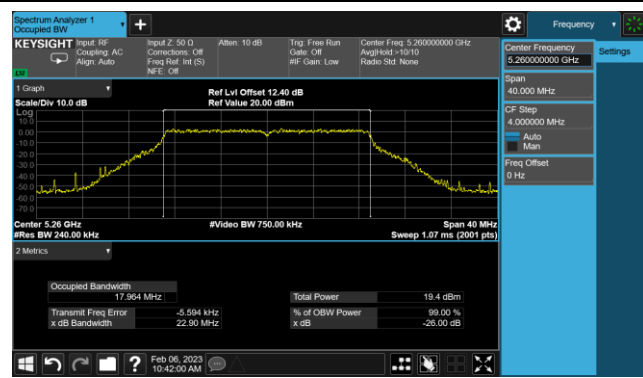


Channel 144 (5720MHz)

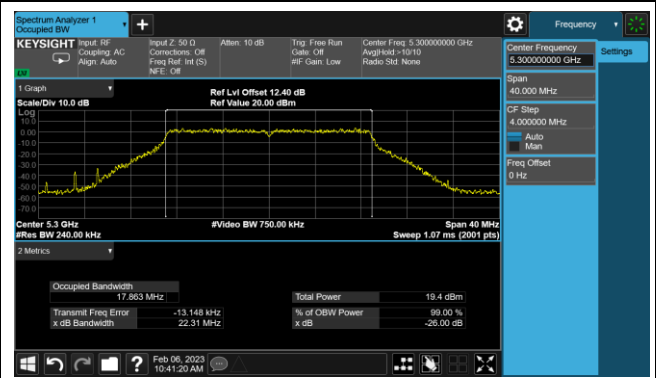


802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth

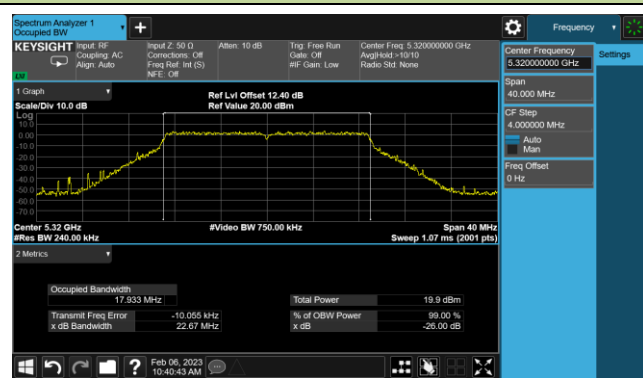
Channel 52 (5260MHz)



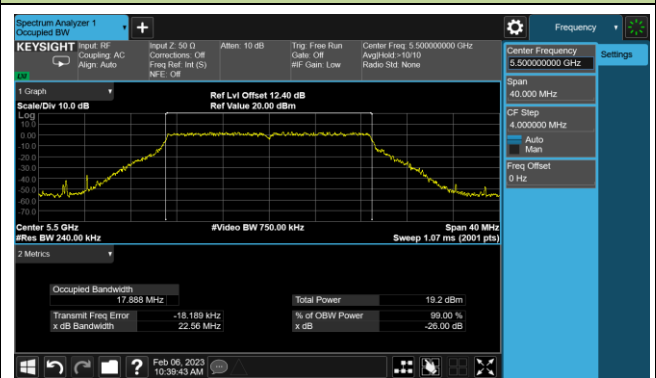
Channel 60 (5300MHz)



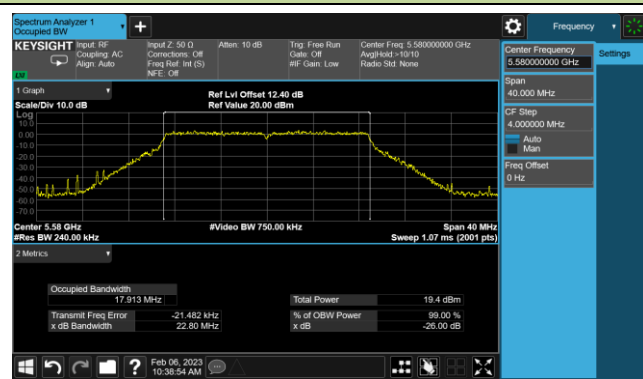
Channel 64 (5320MHz)



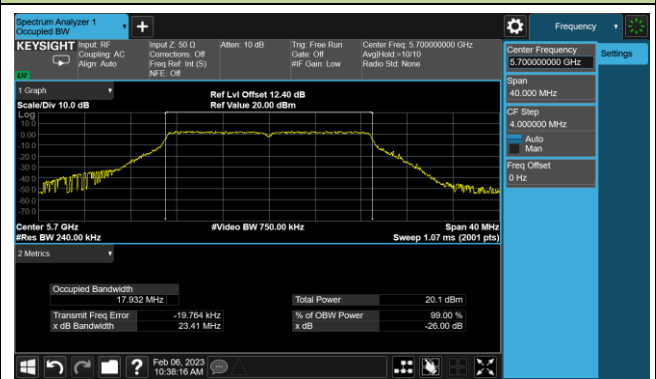
Channel 100 (5500MHz)



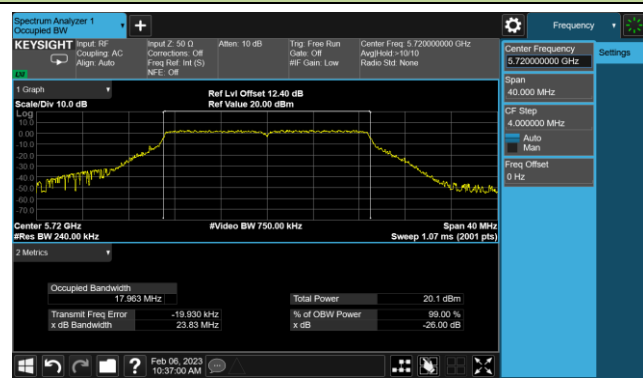
Channel 116 (5580MHz)



Channel 140 (5700MHz)

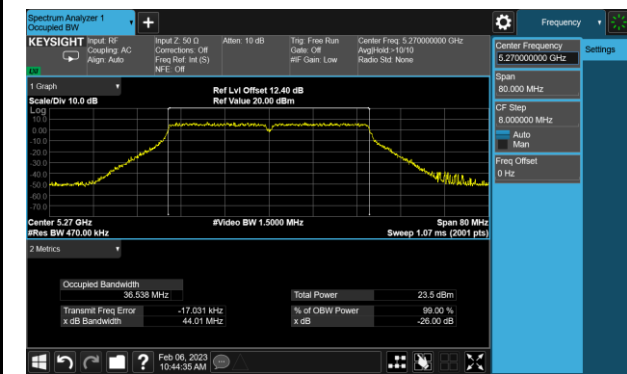


Channel 144 (5720MHz)

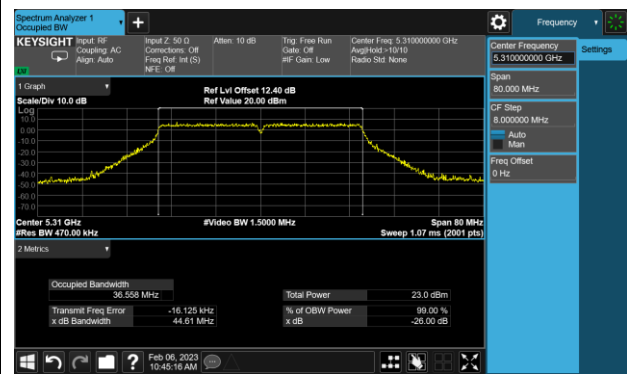


802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth

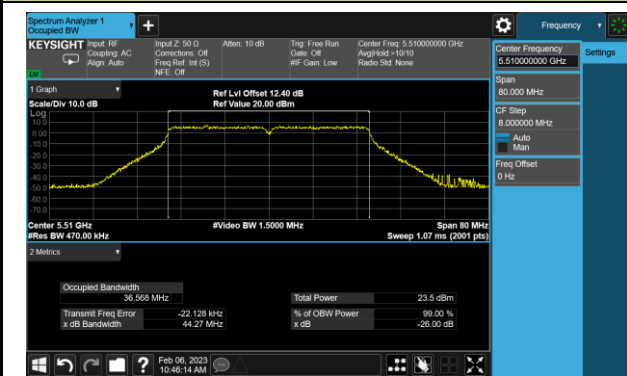
Channel 54 (5270MHz)



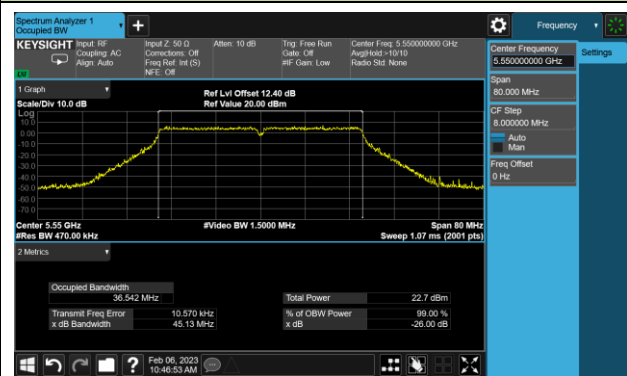
Channel 62 (5310MHz)



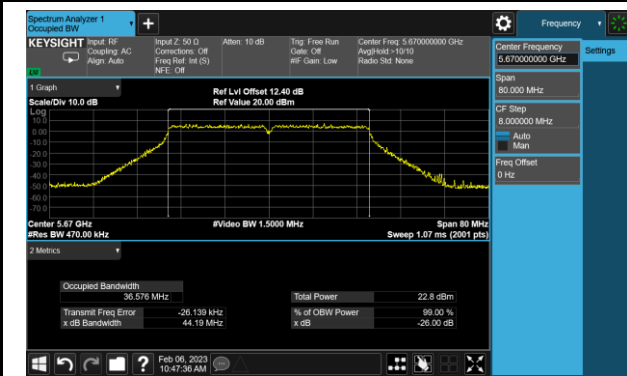
Channel 102 (5510MHz)



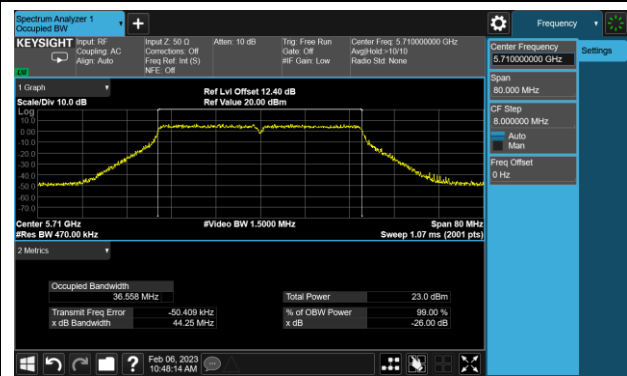
Channel 110 (5550MHz)



Channel 134 (5670MHz)

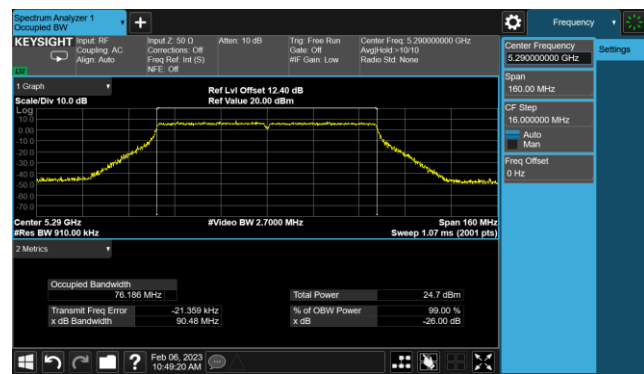


Channel 142 (5710MHz)

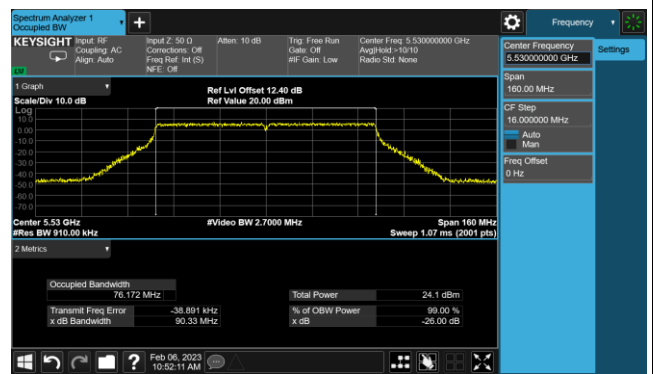


802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth

Channel 58 (5290MHz)



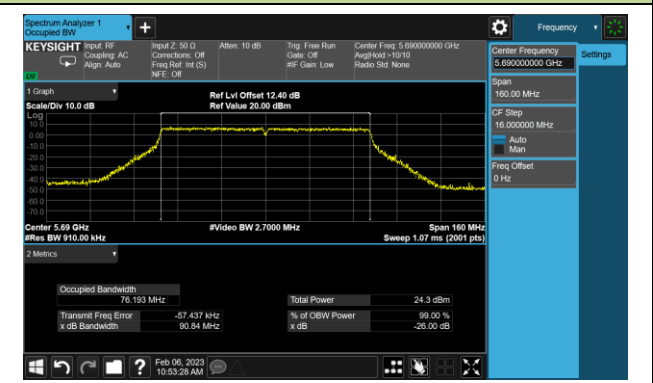
Channel 106 (5530MHz)



Channel 122 (5610MHz)

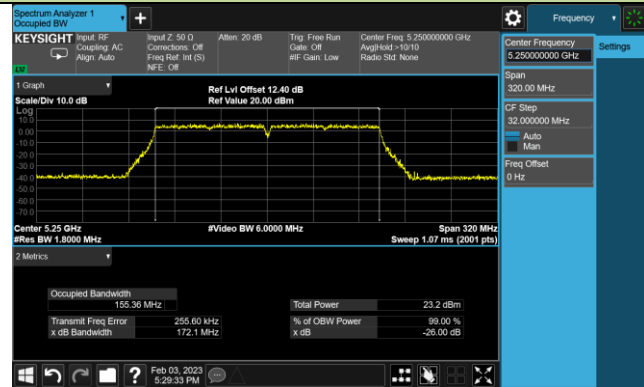


Channel 138 (5690MHz)

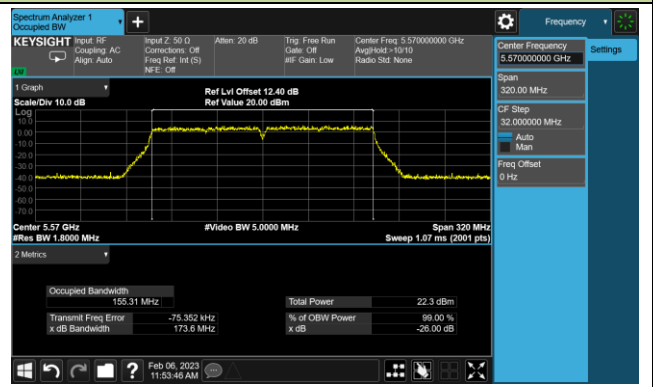


802.11ac-VHT160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

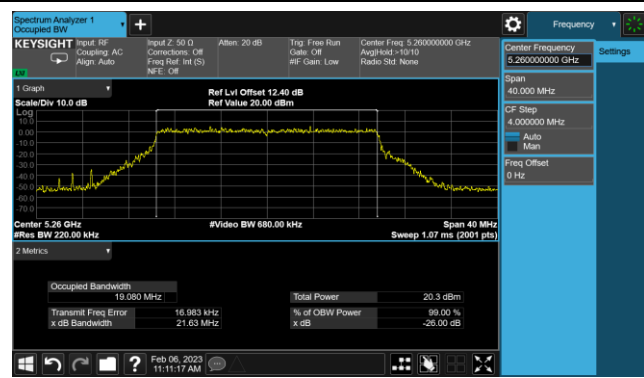


Channel 114 (5570MHz)

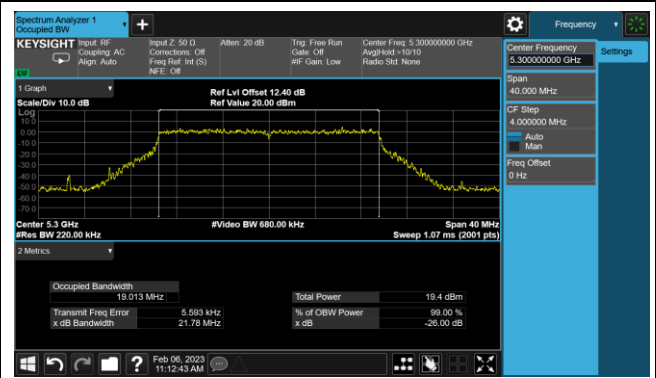


802.11ax-HE20 26dB Bandwidth & 99% Bandwidth

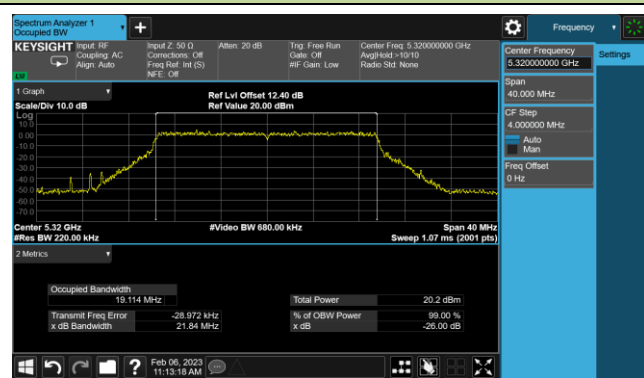
Channel 52 (5260MHz)



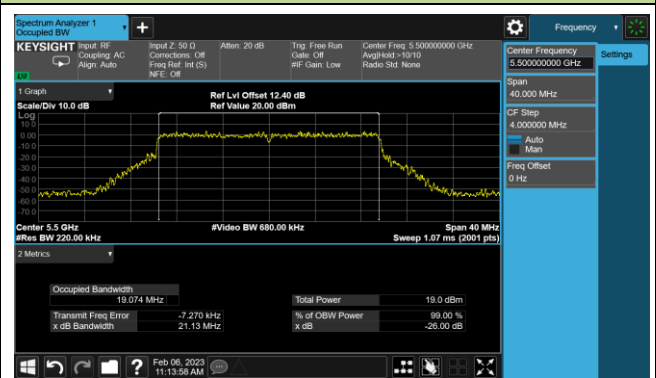
Channel 60 (5300MHz)



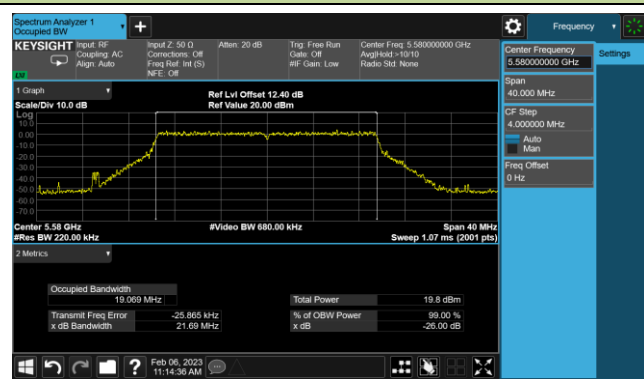
Channel 64 (5320MHz)



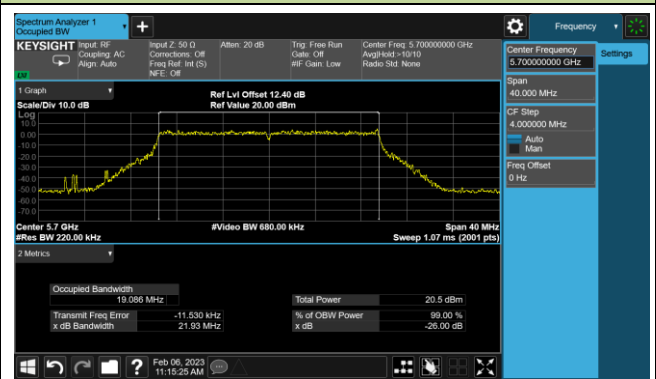
Channel 100 (5500MHz)



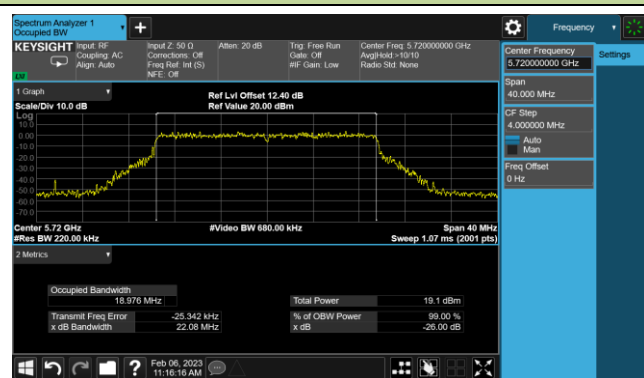
Channel 116 (5580MHz)



Channel 140 (5700MHz)

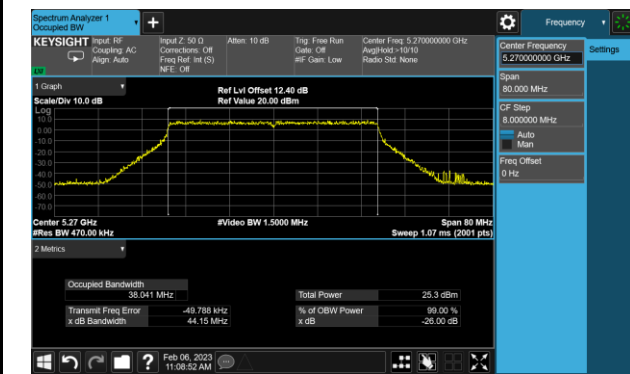


Channel 144 (5720MHz)

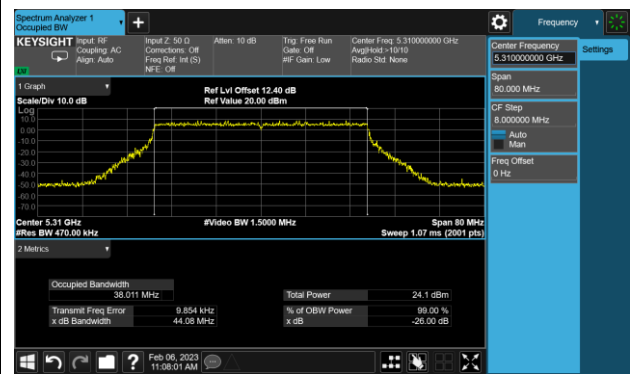


802.11ax-HE40 26dB Bandwidth & 99% Bandwidth

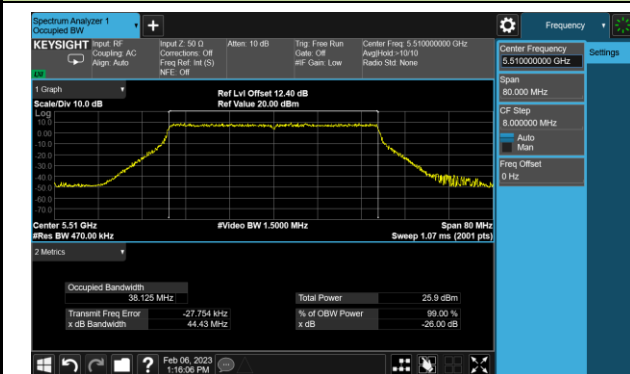
Channel 54 (5270MHz)



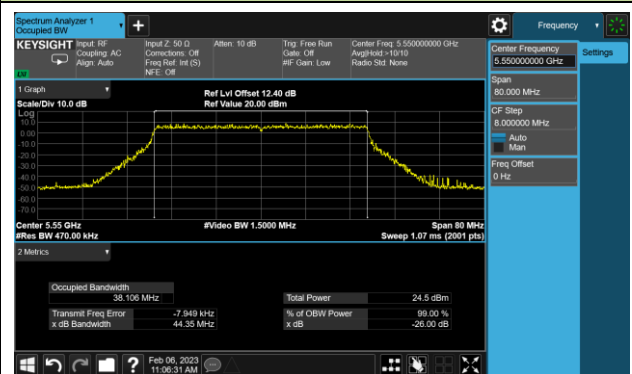
Channel 62 (5310MHz)



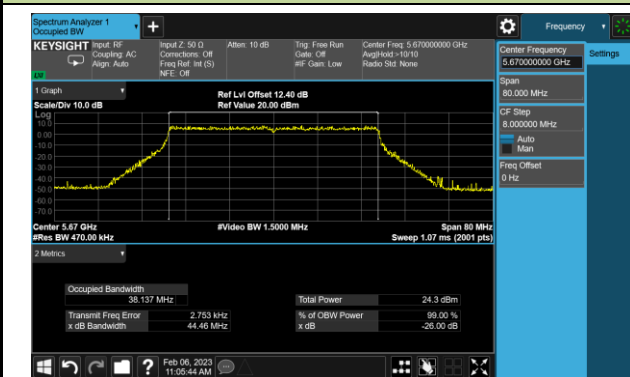
Channel 102 (5510MHz)



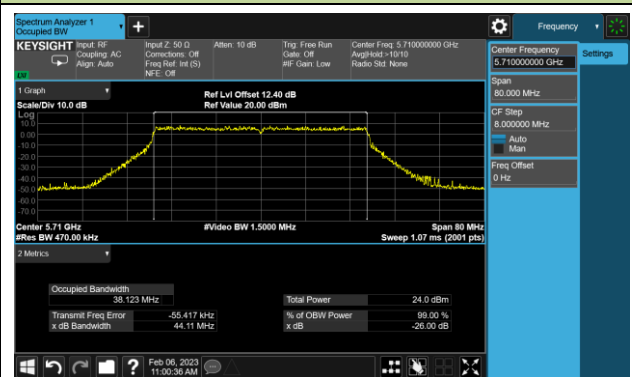
Channel 110 (5550MHz)



Channel 134 (5670MHz)

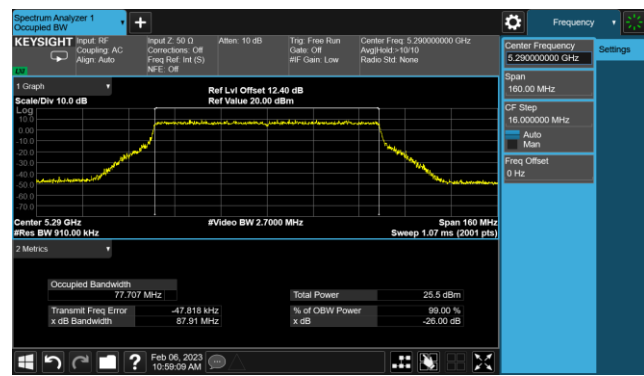


Channel 142 (5710MHz)

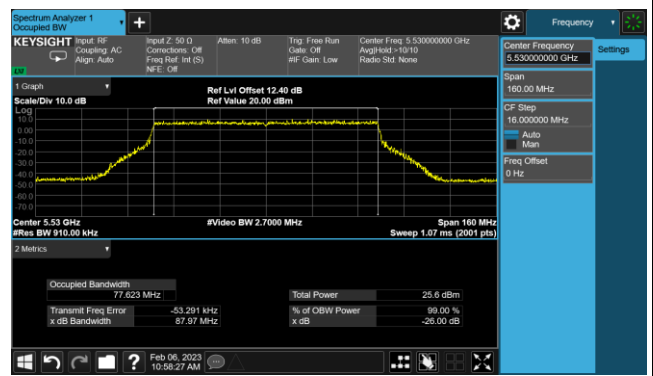


802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

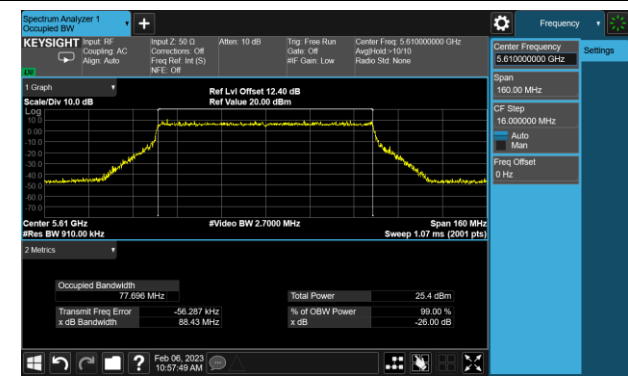
Channel 58 (5290MHz)



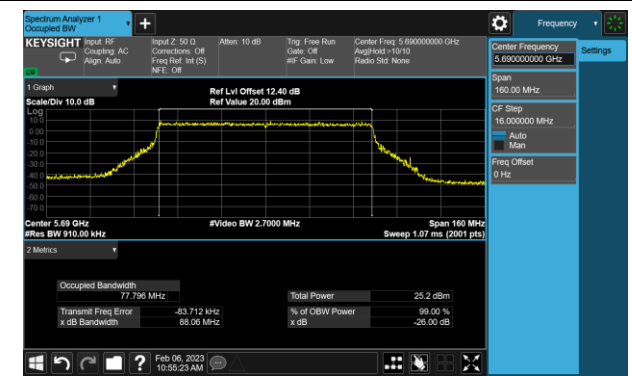
Channel 106 (5530MHz)



Channel 122 (5610MHz)

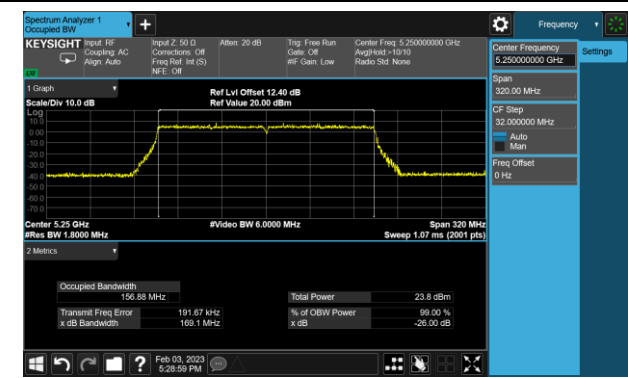


Channel 138 (5690MHz)

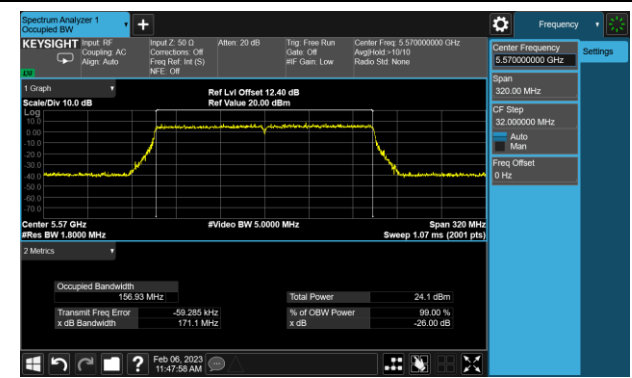


802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

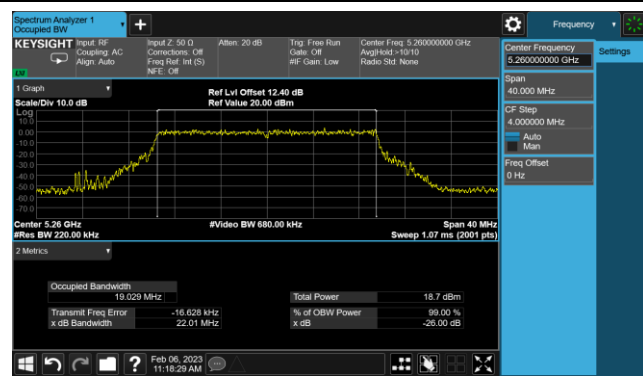


Channel 114 (5570MHz)

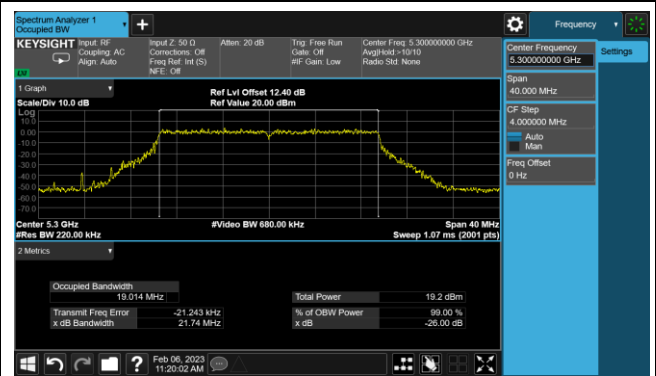


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

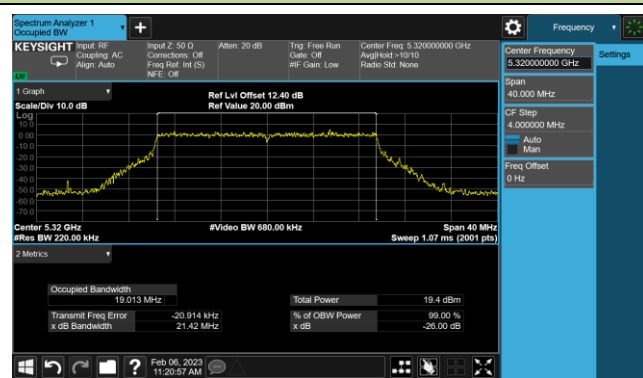
Channel 52 (5260MHz)



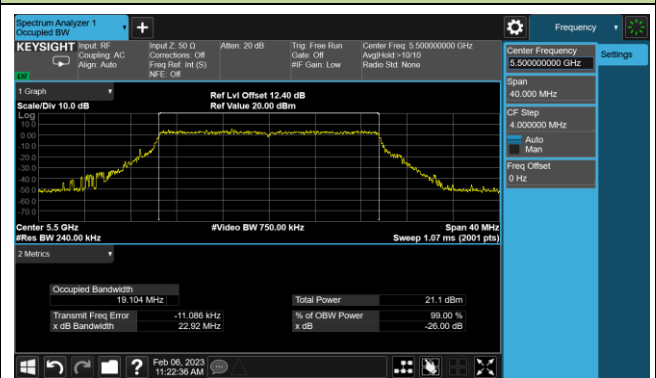
Channel 60 (5300MHz)



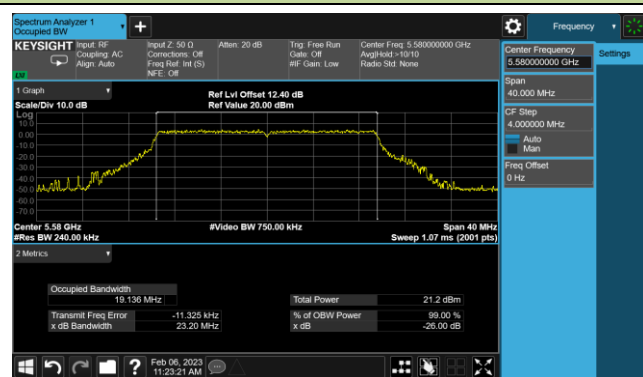
Channel 64 (5320MHz)



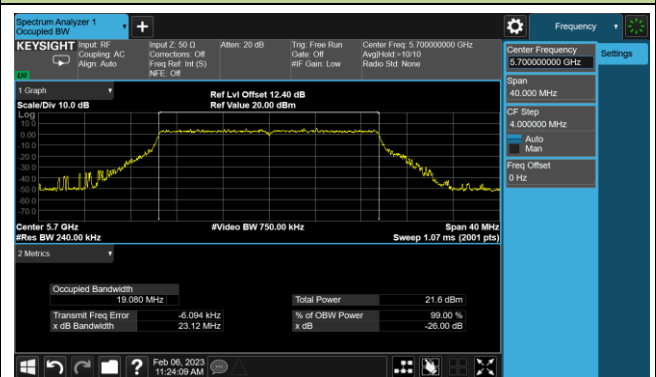
Channel 100 (5500MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)

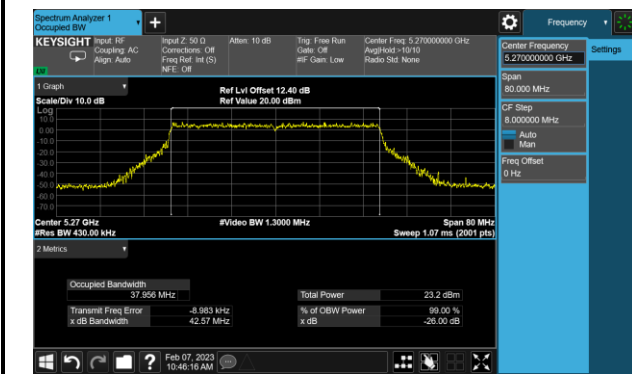


Channel 144 (5720MHz)

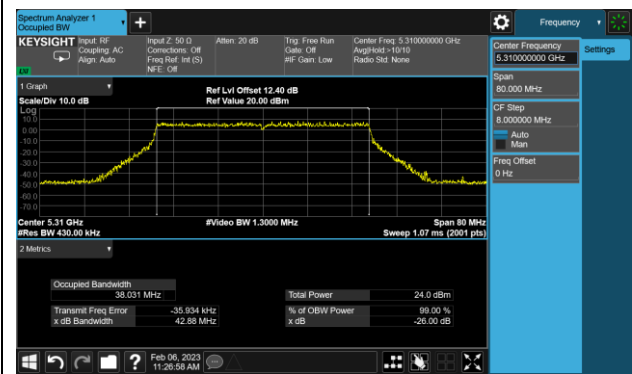


802.11be-EHT40 26dB Bandwidth & 99% Bandwidth

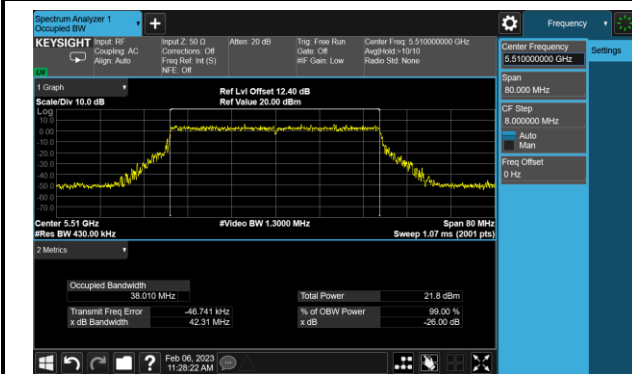
Channel 54 (5270MHz)



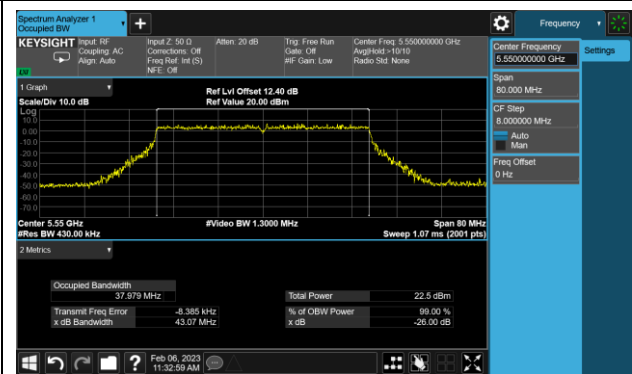
Channel 62 (5310MHz)



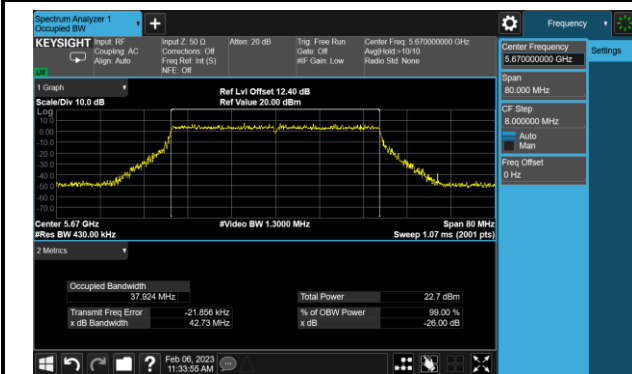
Channel 102 (5510MHz)



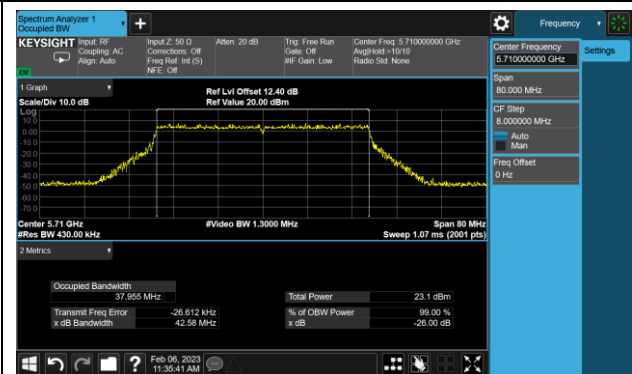
Channel 110 (5550MHz)



Channel 134 (5670MHz)

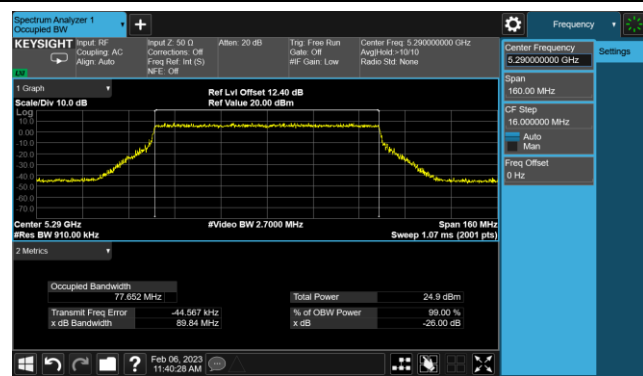


Channel 142 (5710MHz)

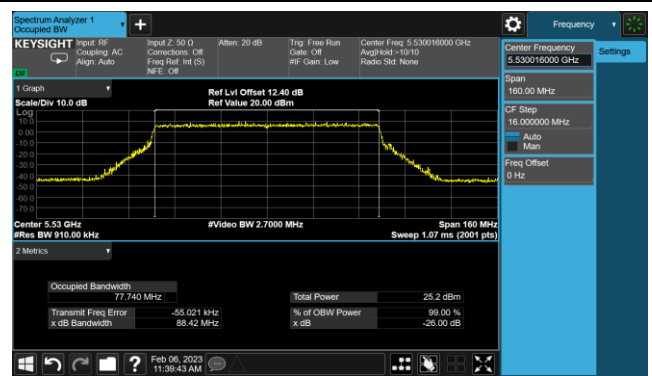


802.11be-EHT80 26dB Bandwidth & 99% Bandwidth

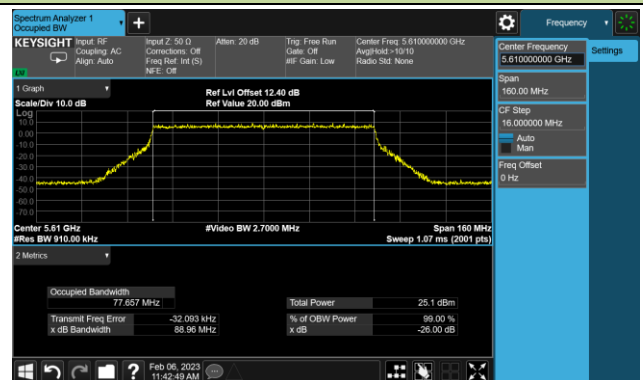
Channel 58 (5290MHz)



Channel 106 (5530MHz)



Channel 122 (5610MHz)

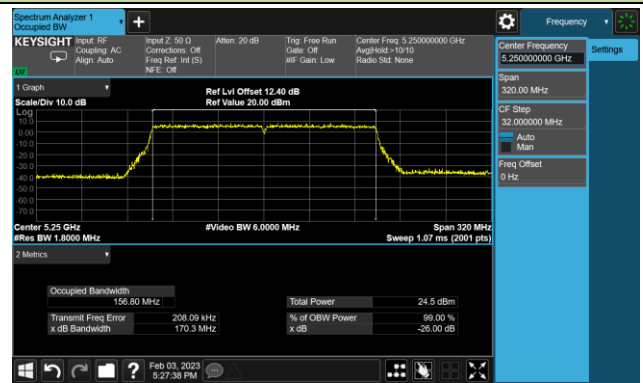


Channel 138 (5690MHz)

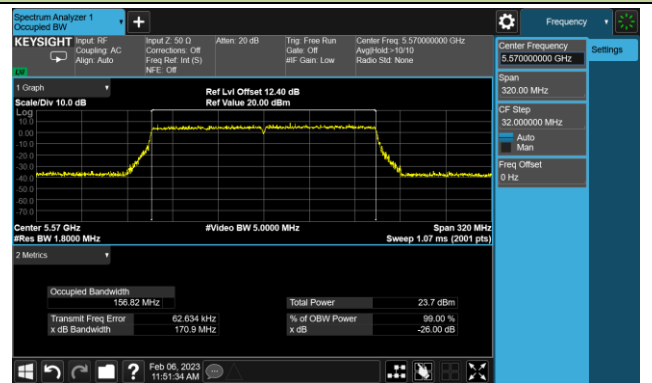


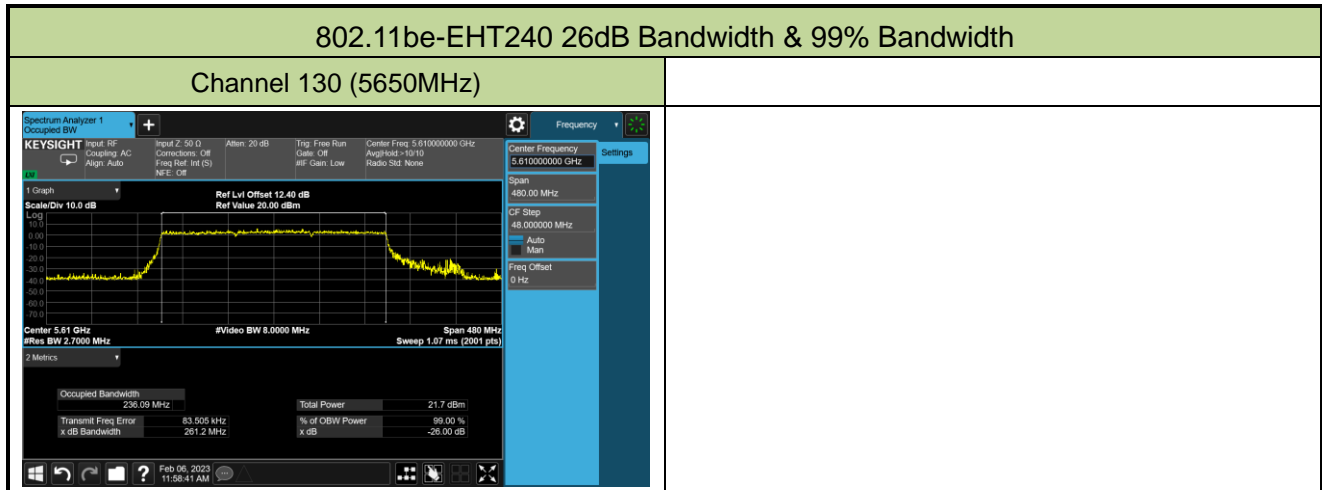
802.11be-EHT160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)



Channel 114 (5570MHz)





A.3 Output Power Test Result

| | | | |
|-----------|-------------------------|---------------|--------------------|
| Test Site | WZ-SR5 | Test Engineer | Jeff Yang |
| Test Date | 2023-01-16 ~ 2023-02-04 | Test Mode | N _{SS} =1 |

| Test Mode | Data Rate MCS | Channel No. | Freq. (MHz) | Average Power (dBm) | | | | Total Average Power (dBm) | Power Limit (dBm) |
|-------------|---------------|-------------|-------------|---------------------|-------|-------|-------|---------------------------|-------------------|
| | | | | Ant 0 | Ant 1 | Ant 2 | Ant 3 | | |
| 11a | 6Mbps | 52 | 5260 | 14.39 | 13.45 | 13.41 | 13.74 | 19.79 | ≤ 23.98 |
| 11a | 6Mbps | 60 | 5300 | 14.50 | 13.95 | 13.61 | 13.87 | 20.02 | ≤ 23.98 |
| 11a | 6Mbps | 64 | 5320 | 14.71 | 14.14 | 13.75 | 14.18 | 20.23 | ≤ 23.98 |
| 11a | 6Mbps | 100 | 5500 | 13.41 | 13.61 | 13.09 | 13.48 | 19.42 | ≤ 23.98 |
| 11a | 6Mbps | 116 | 5580 | 13.58 | 13.67 | 13.02 | 13.81 | 19.55 | ≤ 23.98 |
| 11a | 6Mbps | 140 | 5700 | 13.51 | 13.66 | 12.96 | 13.80 | 19.51 | ≤ 23.98 |
| 11a | 6Mbps | 144 | 5720 | 13.41 | 13.71 | 13.03 | 13.65 | 19.48 | ≤ 23.16 |
| 11ac-VHT20 | MCS0 | 52 | 5260 | 14.83 | 13.60 | 13.95 | 14.73 | 20.33 | ≤ 23.98 |
| 11ac-VHT20 | MCS0 | 60 | 5300 | 14.57 | 13.78 | 13.45 | 13.95 | 19.98 | ≤ 23.98 |
| 11ac-VHT20 | MCS0 | 64 | 5320 | 14.27 | 13.81 | 13.26 | 13.74 | 19.81 | ≤ 23.98 |
| 11ac-VHT20 | MCS0 | 100 | 5500 | 13.85 | 14.14 | 13.45 | 13.90 | 19.86 | ≤ 23.98 |
| 11ac-VHT20 | MCS0 | 116 | 5580 | 13.94 | 14.19 | 13.61 | 14.25 | 20.03 | ≤ 23.98 |
| 11ac-VHT20 | MCS0 | 140 | 5700 | 13.66 | 13.61 | 13.19 | 13.65 | 19.55 | ≤ 23.98 |
| 11ac-VHT20 | MCS0 | 144 | 5720 | 13.54 | 13.65 | 13.02 | 13.66 | 19.50 | ≤ 23.28 |
| 11ac-VHT40 | MCS0 | 54 | 5270 | 17.24 | 16.70 | 16.11 | 16.68 | 22.72 | ≤ 23.98 |
| 11ac-VHT40 | MCS0 | 62 | 5310 | 17.23 | 16.57 | 16.30 | 16.71 | 22.74 | ≤ 23.98 |
| 11ac-VHT40 | MCS0 | 102 | 5510 | 16.86 | 17.06 | 15.95 | 17.05 | 22.77 | ≤ 23.98 |
| 11ac-VHT40 | MCS0 | 110 | 5550 | 17.15 | 17.12 | 16.41 | 16.93 | 22.93 | ≤ 23.98 |
| 11ac-VHT40 | MCS0 | 134 | 5670 | 16.57 | 16.64 | 15.79 | 16.41 | 22.39 | ≤ 23.98 |
| 11ac-VHT40 | MCS0 | 142 | 5710 | 16.44 | 16.91 | 15.77 | 16.83 | 22.53 | ≤ 23.98 |
| 11ac-VHT80 | MCS0 | 58 | 5290 | 18.24 | 17.03 | 17.24 | 17.71 | 23.60 | ≤ 23.98 |
| 11ac-VHT80 | MCS0 | 106 | 5530 | 17.88 | 17.82 | 17.50 | 17.88 | 23.79 | ≤ 23.98 |
| 11ac-VHT80 | MCS0 | 122 | 5610 | 17.91 | 17.86 | 17.45 | 18.00 | 23.83 | ≤ 23.98 |
| 11ac-VHT80 | MCS0 | 138 | 5690 | 17.71 | 17.45 | 17.20 | 17.74 | 23.55 | ≤ 23.98 |
| 11ac-VHT160 | MCS0 | 50 | 5250 | 17.95 | 17.19 | 17.03 | 17.19 | 23.38 | ≤ 23.98 |
| 11ac-VHT160 | MCS0 | 114 | 5570 | 14.47 | 14.43 | 14.07 | 14.72 | 20.45 | ≤ 23.98 |

| Test Mode | Data Rate MCS | Channel No. | Freq. (MHz) | Average Power (dBm) | | | | Total Average Power (dBm) | Power Limit (dBm) |
|------------|---------------|-------------|-------------|---------------------|-------|-------|-------|---------------------------|-------------------|
| | | | | Ant 0 | Ant 1 | Ant 2 | Ant 3 | | |
| 11ax-HE20 | MCS0 | 52 | 5260 | 15.32 | 14.63 | 14.21 | 14.71 | 20.76 | ≤ 23.98 |
| 11ax-HE20 | MCS0 | 60 | 5300 | 14.71 | 14.01 | 13.89 | 14.07 | 20.20 | ≤ 23.98 |
| 11ax-HE20 | MCS0 | 64 | 5320 | 14.25 | 14.07 | 13.64 | 13.88 | 19.99 | ≤ 23.98 |
| 11ax-HE20 | MCS0 | 100 | 5500 | 14.41 | 14.75 | 13.91 | 14.61 | 20.45 | ≤ 23.98 |
| 11ax-HE20 | MCS0 | 116 | 5580 | 14.18 | 14.39 | 13.65 | 14.43 | 20.19 | ≤ 23.98 |
| 11ax-HE20 | MCS0 | 140 | 5700 | 14.21 | 14.30 | 13.54 | 14.44 | 20.16 | ≤ 23.98 |
| 11ax-HE20 | MCS0 | 144 | 5720 | 14.07 | 14.24 | 13.73 | 14.46 | 20.15 | ≤ 23.05 |
| 11ax-HE40 | MCS0 | 54 | 5270 | 18.15 | 17.44 | 17.11 | 17.91 | 23.69 | ≤ 23.98 |
| 11ax-HE40 | MCS0 | 62 | 5310 | 18.04 | 17.25 | 16.66 | 17.18 | 23.33 | ≤ 23.98 |
| 11ax-HE40 | MCS0 | 102 | 5510 | 17.45 | 17.45 | 16.99 | 17.70 | 23.43 | ≤ 23.98 |
| 11ax-HE40 | MCS0 | 110 | 5550 | 17.52 | 17.73 | 16.51 | 17.58 | 23.38 | ≤ 23.98 |
| 11ax-HE40 | MCS0 | 134 | 5670 | 16.78 | 16.56 | 16.34 | 17.22 | 22.76 | ≤ 23.98 |
| 11ax-HE40 | MCS0 | 142 | 5710 | 16.70 | 16.21 | 16.54 | 16.48 | 22.51 | ≤ 23.98 |
| 11ax-HE80 | MCS0 | 58 | 5290 | 18.23 | 17.30 | 17.35 | 17.82 | 23.71 | ≤ 23.98 |
| 11ax-HE80 | MCS0 | 106 | 5530 | 17.87 | 17.87 | 17.44 | 17.95 | 23.81 | ≤ 23.98 |
| 11ax-HE80 | MCS0 | 122 | 5610 | 17.22 | 17.60 | 17.13 | 17.59 | 23.41 | ≤ 23.98 |
| 11ax-HE80 | MCS0 | 138 | 5690 | 17.47 | 17.52 | 17.25 | 17.73 | 23.52 | ≤ 23.98 |
| 11ax-HE160 | MCS0 | 50 | 5250 | 17.36 | 16.05 | 16.64 | 16.81 | 22.76 | ≤ 23.98 |
| 11ax-HE160 | MCS0 | 114 | 5570 | 15.92 | 15.42 | 15.65 | 16.29 | 21.85 | ≤ 23.98 |
| 11be-EHT20 | MCS0 | 52 | 5260 | 14.75 | 13.51 | 14.05 | 14.04 | 20.13 | ≤ 23.98 |
| 11be-EHT20 | MCS0 | 60 | 5300 | 14.55 | 13.69 | 14.03 | 13.76 | 20.04 | ≤ 23.98 |
| 11be-EHT20 | MCS0 | 64 | 5320 | 14.58 | 13.75 | 14.06 | 13.85 | 20.09 | ≤ 23.98 |
| 11be-EHT20 | MCS0 | 100 | 5500 | 14.35 | 14.43 | 13.95 | 13.88 | 20.18 | ≤ 23.98 |
| 11be-EHT20 | MCS0 | 116 | 5580 | 14.01 | 14.30 | 13.54 | 14.05 | 20.00 | ≤ 23.98 |
| 11be-EHT20 | MCS0 | 140 | 5700 | 14.21 | 14.23 | 13.41 | 13.52 | 19.88 | ≤ 23.98 |
| 11be-EHT20 | MCS0 | 144 | 5720 | 13.95 | 14.24 | 13.24 | 13.44 | 19.76 | ≤ 23.22 |
| 11be-EHT40 | MCS0 | 54 | 5270 | 17.75 | 17.14 | 16.88 | 16.84 | 23.19 | ≤ 23.98 |
| 11be-EHT40 | MCS0 | 62 | 5310 | 17.74 | 17.01 | 16.72 | 16.47 | 23.03 | ≤ 23.98 |
| 11be-EHT40 | MCS0 | 102 | 5510 | 16.70 | 16.87 | 15.94 | 15.92 | 22.40 | ≤ 23.98 |
| 11be-EHT40 | MCS0 | 110 | 5550 | 17.40 | 17.48 | 16.41 | 16.85 | 23.08 | ≤ 23.98 |
| 11be-EHT40 | MCS0 | 134 | 5670 | 16.63 | 17.01 | 15.84 | 16.41 | 22.51 | ≤ 23.98 |
| 11be-EHT40 | MCS0 | 142 | 5710 | 17.05 | 17.46 | 16.65 | 16.87 | 23.04 | ≤ 23.98 |

| Test Mode | Data Rate MCS | Channel No. | Freq. (MHz) | Average Power (dBm) | | | | Total Average Power (dBm) | Power Limit (dBm) |
|-------------|---------------|-------------|-------------|---------------------|-------|-------|-------|---------------------------|-------------------|
| | | | | Ant 0 | Ant 1 | Ant 2 | Ant 3 | | |
| 11be-EHT80 | MCS0 | 58 | 5290 | 18.10 | 17.42 | 17.37 | 17.51 | 23.63 | ≤ 23.98 |
| 11be-EHT80 | MCS0 | 106 | 5530 | 17.85 | 18.11 | 17.51 | 17.89 | 23.87 | ≤ 23.98 |
| 11be-EHT80 | MCS0 | 122 | 5610 | 17.71 | 17.54 | 17.24 | 17.55 | 23.53 | ≤ 23.98 |
| 11be-EHT80 | MCS0 | 138 | 5690 | 17.63 | 17.53 | 17.05 | 17.64 | 23.49 | ≤ 23.98 |
| 11be-EHT160 | MCS0 | 50 | 5250 | 17.36 | 16.51 | 16.48 | 16.77 | 22.82 | ≤ 23.98 |
| 11be-EHT160 | MCS0 | 114 | 5570 | 15.36 | 14.95 | 14.99 | 15.63 | 21.26 | ≤ 23.98 |
| 11be-EHT240 | MCS0 | 130 | 5650 | 12.71 | 12.37 | 12.36 | 12.73 | 18.57 | ≤ 23.98 |

Note 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$.

Note 2: For 5720MHz, Average Power Limit = $11 + 10 \cdot \log(5 + BW_{26\text{dBc}} / 2)$.

| | | | |
|-----------|------------|---------------|-----------|
| Test Site | WZ-SR5 | Test Engineer | Jeff Yang |
| Test Date | 2023-02-07 | Test Mode | Nss=4 |

| Test Mode | Data Rate MCS | Channel No. | Freq. (MHz) | Average Power (dBm) | | | | Total Average Power (dBm) | Power Limit (dBm) |
|------------|---------------|-------------|-------------|---------------------|-------|-------|-------|---------------------------|-------------------|
| | | | | Ant 0 | Ant 1 | Ant 2 | Ant 3 | | |
| 11ax-HE20 | MCS0 | 52 | 5260 | 17.89 | 17.48 | 17.29 | 17.33 | 23.57 | ≤ 23.98 |
| 11ax-HE20 | MCS0 | 60 | 5300 | 17.87 | 17.25 | 17.02 | 17.10 | 23.44 | ≤ 23.98 |
| 11ax-HE20 | MCS0 | 64 | 5320 | 18.16 | 17.49 | 17.33 | 17.39 | 23.65 | ≤ 23.98 |
| 11ax-HE20 | MCS0 | 100 | 5500 | 17.94 | 17.71 | 17.16 | 17.49 | 23.61 | ≤ 23.98 |
| 11ax-HE20 | MCS0 | 116 | 5580 | 17.61 | 17.87 | 17.27 | 17.40 | 23.72 | ≤ 23.98 |
| 11ax-HE20 | MCS0 | 140 | 5700 | 17.11 | 17.14 | 16.63 | 17.13 | 23.00 | ≤ 23.98 |
| 11ax-HE20 | MCS0 | 144 | 5720 | 17.38 | 16.67 | 16.84 | 17.25 | 23.00 | ≤ 23.05 |
| 11be-EHT20 | MCS0 | 52 | 5260 | 18.07 | 17.25 | 17.13 | 17.22 | 23.52 | ≤ 23.98 |
| 11be-EHT20 | MCS0 | 60 | 5300 | 17.74 | 16.82 | 16.73 | 16.78 | 23.24 | ≤ 23.98 |
| 11be-EHT20 | MCS0 | 64 | 5320 | 17.43 | 16.57 | 16.43 | 16.86 | 22.90 | ≤ 23.98 |
| 11be-EHT20 | MCS0 | 100 | 5500 | 17.05 | 17.12 | 16.54 | 17.14 | 22.95 | ≤ 23.98 |
| 11be-EHT20 | MCS0 | 116 | 5580 | 17.21 | 17.34 | 16.57 | 17.26 | 23.19 | ≤ 23.98 |
| 11be-EHT20 | MCS0 | 140 | 5700 | 17.18 | 17.16 | 16.46 | 17.14 | 22.98 | ≤ 23.98 |
| 11be-EHT20 | MCS0 | 144 | 5720 | 17.21 | 17.05 | 16.57 | 17.24 | 22.98 | ≤ 23.22 |

Note 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$.

Note 2: For 5720MHz, Average Power Limit = $11 + 10 \cdot \log(5 + BW_{26\text{dBc}}/2)$.

A.4 Power Spectral Density Test Result

| | | | |
|-----------|--|---------------|--------------------|
| Test Site | WZ-SR5 | Test Engineer | Jeff Yang |
| Test Date | 2023-01-10 ~ 2023-02-06 | Test Mode | N _{ss} =1 |
| Test Item | Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c) | | |

| Test Mode | Data Rate/MCS | Channel No. | Freq. (MHz) | AVPSD (dBm/ MHz) | | | | Duty Cycle (%) | Total PSD (dBm/ MHz) | PSD Limit (dBm/MHz) |
|-------------|---------------|-------------|-------------|------------------|--------|--------|--------|----------------|----------------------|---------------------|
| | | | | Ant 0 | Ant 1 | Ant 2 | Ant 3 | | | |
| 11a | 6Mbps | 52 | 5260 | 2.038 | 0.685 | 0.937 | 1.031 | 94.75 | 7.459 | ≤ 8.01 |
| 11a | 6Mbps | 60 | 5300 | 2.355 | 1.148 | 1.282 | 1.366 | 94.75 | 7.820 | ≤ 8.01 |
| 11a | 6Mbps | 64 | 5320 | 2.181 | 1.198 | 1.144 | 1.226 | 94.75 | 7.714 | ≤ 8.01 |
| 11a | 6Mbps | 100 | 5500 | 1.294 | 1.239 | 1.240 | 1.317 | 94.75 | 7.527 | ≤ 8.01 |
| 11a | 6Mbps | 116 | 5580 | 1.373 | 1.284 | 0.818 | 1.472 | 94.75 | 7.499 | ≤ 8.01 |
| 11a | 6Mbps | 140 | 5700 | 2.320 | 1.372 | 0.965 | 1.667 | 94.75 | 7.864 | ≤ 8.01 |
| 11a | 6Mbps | 144 | 5720 | 2.154 | 1.461 | 1.052 | 1.562 | 94.75 | 7.830 | ≤ 8.01 |
| 11ac-VHT20 | MCS0 | 52 | 5260 | 2.412 | 1.154 | 1.291 | 1.505 | 95.38 | 7.845 | ≤ 8.01 |
| 11ac-VHT20 | MCS0 | 60 | 5300 | 2.302 | 1.100 | 1.301 | 1.450 | 95.38 | 7.789 | ≤ 8.01 |
| 11ac-VHT20 | MCS0 | 64 | 5320 | 1.982 | 1.150 | 1.043 | 1.334 | 95.38 | 7.619 | ≤ 8.01 |
| 11ac-VHT20 | MCS0 | 100 | 5500 | 1.553 | 1.391 | 1.077 | 1.456 | 95.38 | 7.599 | ≤ 8.01 |
| 11ac-VHT20 | MCS0 | 116 | 5580 | 1.792 | 1.606 | 1.227 | 1.913 | 95.38 | 7.868 | ≤ 8.01 |
| 11ac-VHT20 | MCS0 | 140 | 5700 | 2.047 | 1.109 | 0.885 | 1.537 | 95.38 | 7.643 | ≤ 8.01 |
| 11ac-VHT20 | MCS0 | 144 | 5720 | 1.829 | 1.316 | 0.939 | 1.532 | 95.38 | 7.642 | ≤ 8.01 |
| 11ac-VHT40 | MCS0 | 54 | 5270 | 1.614 | 1.070 | 1.001 | 1.059 | 92.16 | 7.568 | ≤ 8.01 |
| 11ac-VHT40 | MCS0 | 62 | 5310 | 1.944 | 1.044 | 0.916 | 1.108 | 92.16 | 7.648 | ≤ 8.01 |
| 11ac-VHT40 | MCS0 | 102 | 5510 | 1.313 | 1.150 | 1.009 | 1.640 | 92.16 | 7.660 | ≤ 8.01 |
| 11ac-VHT40 | MCS0 | 110 | 5550 | 1.601 | 1.199 | 0.879 | 1.418 | 92.16 | 7.658 | ≤ 8.01 |
| 11ac-VHT40 | MCS0 | 134 | 5670 | 1.855 | 1.026 | 0.524 | 1.160 | 92.16 | 7.543 | ≤ 8.01 |
| 11ac-VHT40 | MCS0 | 142 | 5710 | 1.902 | 1.449 | 0.656 | 1.515 | 92.16 | 7.779 | ≤ 8.01 |
| 11ac-VHT80 | MCS0 | 58 | 5290 | 0.089 | -1.033 | -1.191 | -0.658 | 91.78 | 5.724 | ≤ 8.01 |
| 11ac-VHT80 | MCS0 | 106 | 5530 | -0.349 | -0.205 | -1.055 | -0.632 | 91.78 | 5.845 | ≤ 8.01 |
| 11ac-VHT80 | MCS0 | 122 | 5610 | -0.192 | -0.423 | -1.156 | -0.653 | 91.78 | 5.802 | ≤ 8.01 |
| 11ac-VHT80 | MCS0 | 138 | 5690 | 0.404 | -0.145 | -0.810 | -0.283 | 91.78 | 6.206 | ≤ 8.01 |
| 11ac-VHT160 | MCS0 | 50 | 5250 | -3.104 | -4.181 | -4.277 | -4.214 | 91.63 | 2.485 | ≤ 8.01 |
| 11ac-VHT160 | MCS0 | 114 | 5570 | -6.634 | -6.795 | -7.176 | -6.760 | 91.63 | -0.436 | ≤ 8.01 |

| Test Mode | Data Rate/MCS | Channel No. | Freq. (MHz) | AVPSD (dBm/ MHz) | | | | Duty Cycle (%) | Total PSD (dBm/ MHz) | PSD Limit (dBm/MHz) |
|------------|---------------|-------------|-------------|------------------|--------|--------|--------|----------------|----------------------|---------------------|
| | | | | Ant 0 | Ant 1 | Ant 2 | Ant 3 | | | |
| 11ax-HE20 | MCS0 | 52 | 5260 | 2.352 | 1.475 | 1.181 | 1.538 | 96.31 | 7.843 | ≤ 8.01 |
| 11ax-HE20 | MCS0 | 60 | 5300 | 1.915 | 0.946 | 0.633 | 1.134 | 96.31 | 7.367 | ≤ 8.01 |
| 11ax-HE20 | MCS0 | 64 | 5320 | 1.518 | 0.966 | 0.866 | 1.198 | 96.31 | 7.328 | ≤ 8.01 |
| 11ax-HE20 | MCS0 | 100 | 5500 | 1.567 | 1.729 | 1.389 | 1.983 | 96.31 | 7.856 | ≤ 8.01 |
| 11ax-HE20 | MCS0 | 116 | 5580 | 1.431 | 1.344 | 0.941 | 1.767 | 96.31 | 7.565 | ≤ 8.01 |
| 11ax-HE20 | MCS0 | 140 | 5700 | 2.083 | 1.251 | 0.926 | 1.799 | 96.31 | 7.722 | ≤ 8.01 |
| 11ax-HE20 | MCS0 | 144 | 5720 | 1.893 | 1.296 | 0.910 | 1.834 | 96.31 | 7.686 | ≤ 8.01 |
| 11ax-HE40 | MCS0 | 54 | 5270 | 2.293 | 1.265 | 0.788 | 1.624 | 93.85 | 7.824 | ≤ 8.01 |
| 11ax-HE40 | MCS0 | 62 | 5310 | 2.282 | 1.442 | 0.868 | 1.290 | 93.85 | 7.798 | ≤ 8.01 |
| 11ax-HE40 | MCS0 | 102 | 5510 | 1.395 | 1.814 | 1.167 | 1.215 | 93.85 | 7.702 | ≤ 8.01 |
| 11ax-HE40 | MCS0 | 110 | 5550 | 1.670 | 2.017 | 1.173 | 1.279 | 93.85 | 7.844 | ≤ 8.01 |
| 11ax-HE40 | MCS0 | 134 | 5670 | 1.638 | 1.596 | 0.750 | 1.094 | 93.85 | 7.581 | ≤ 8.01 |
| 11ax-HE40 | MCS0 | 142 | 5710 | 1.472 | 1.425 | 0.826 | 1.445 | 93.85 | 7.596 | ≤ 8.01 |
| 11ax-HE80 | MCS0 | 58 | 5290 | 0.387 | -0.854 | -0.972 | -0.595 | 95.43 | 5.749 | ≤ 8.01 |
| 11ax-HE80 | MCS0 | 106 | 5530 | -0.089 | 0.090 | -0.729 | -0.453 | 95.43 | 5.940 | ≤ 8.01 |
| 11ax-HE80 | MCS0 | 122 | 5610 | -0.177 | -0.393 | -1.097 | -0.573 | 95.43 | 5.677 | ≤ 8.01 |
| 11ax-HE80 | MCS0 | 138 | 5690 | 0.311 | 0.027 | -0.665 | -0.162 | 95.43 | 6.116 | ≤ 8.01 |
| 11ax-HE160 | MCS0 | 50 | 5250 | -3.577 | -4.529 | -4.873 | -4.773 | 95.44 | 1.817 | ≤ 8.01 |
| 11ax-HE160 | MCS0 | 114 | 5570 | -5.102 | -5.407 | -5.778 | -5.259 | 95.44 | 0.844 | ≤ 8.01 |
| 11be-EHT20 | MCS0 | 52 | 5260 | 1.909 | 1.593 | 1.438 | 1.141 | 95.85 | 7.734 | ≤ 8.01 |
| 11be-EHT20 | MCS0 | 60 | 5300 | 1.928 | 0.934 | 0.866 | 1.095 | 95.85 | 7.432 | ≤ 8.01 |
| 11be-EHT20 | MCS0 | 64 | 5320 | 1.991 | 1.541 | 1.071 | 1.488 | 95.85 | 7.740 | ≤ 8.01 |
| 11be-EHT20 | MCS0 | 100 | 5500 | 1.438 | 1.911 | 1.236 | 1.755 | 95.85 | 7.798 | ≤ 8.01 |
| 11be-EHT20 | MCS0 | 116 | 5580 | 1.115 | 1.486 | 0.807 | 1.540 | 95.85 | 7.452 | ≤ 8.01 |
| 11be-EHT20 | MCS0 | 140 | 5700 | 1.765 | 1.307 | 0.551 | 1.558 | 95.85 | 7.524 | ≤ 8.01 |
| 11be-EHT20 | MCS0 | 144 | 5720 | 1.439 | 1.466 | 0.797 | 1.582 | 95.85 | 7.536 | ≤ 8.01 |
| 11be-EHT40 | MCS0 | 54 | 5270 | 1.986 | 1.165 | 0.907 | 1.039 | 93.57 | 7.605 | ≤ 8.01 |
| 11be-EHT40 | MCS0 | 62 | 5310 | 2.212 | 1.386 | 1.003 | 1.230 | 93.57 | 7.792 | ≤ 8.01 |
| 11be-EHT40 | MCS0 | 102 | 5510 | 1.296 | 0.999 | 1.088 | 0.974 | 93.57 | 7.400 | ≤ 8.01 |
| 11be-EHT40 | MCS0 | 110 | 5550 | 1.599 | 1.744 | 0.787 | 1.383 | 93.57 | 7.702 | ≤ 8.01 |
| 11be-EHT40 | MCS0 | 134 | 5670 | 1.322 | 1.292 | 0.569 | 1.259 | 93.57 | 7.431 | ≤ 8.01 |
| 11be-EHT40 | MCS0 | 142 | 5710 | 1.647 | 1.755 | 1.193 | 1.587 | 93.57 | 7.860 | ≤ 8.01 |

| Test Mode | Data Rate/MCS | Channel No. | Freq. (MHz) | AVPSD (dBm/ MHz) | | | | Duty Cycle (%) | Total PSD (dBm/ MHz) | PSD Limit (dBm/MHz) |
|-------------|---------------|-------------|-------------|------------------|--------|--------|--------|----------------|----------------------|---------------------|
| | | | | Ant 0 | Ant 1 | Ant 2 | Ant 3 | | | |
| 11be-EHT80 | MCS0 | 58 | 5290 | 0.341 | -0.884 | -0.997 | -0.616 | 96.84 | 5.654 | ≤ 8.01 |
| 11be-EHT80 | MCS0 | 106 | 5530 | -0.214 | 0.039 | -0.701 | -0.460 | 96.84 | 5.835 | ≤ 8.01 |
| 11be-EHT80 | MCS0 | 122 | 5610 | 0.122 | -0.446 | -1.184 | -0.692 | 96.84 | 5.636 | ≤ 8.01 |
| 11be-EHT80 | MCS0 | 138 | 5690 | 0.338 | -0.118 | -0.718 | -0.245 | 96.84 | 5.991 | ≤ 8.01 |
| 11be-EHT160 | MCS0 | 50 | 5250 | -3.422 | -4.609 | -4.833 | -4.724 | 93.15 | 1.971 | ≤ 8.01 |
| 11be-EHT160 | MCS0 | 114 | 5570 | -5.406 | -5.752 | -6.266 | -5.640 | 93.15 | 0.574 | ≤ 8.01 |
| 11be-EHT240 | MCS0 | 130 | 5650 | -9.020 | -8.827 | -9.834 | -9.338 | 96.60 | -3.067 | ≤ 8.01 |

Note 1: When EUT duty cycle < 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{ 10^{(\text{Ant } 0 \text{ AVGPSD}/10)} + 10^{(\text{Ant } 1 \text{ AVGPSD}/10)} + 10^{(\text{Ant } 2 \text{ AVGPSD}/10)} + 10^{(\text{Ant } 3 \text{ AVGPSD}/10)} \} + 10 \cdot \log (1/\text{Duty cycle})$.

When EUT duty cycle ≥ 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{ 10^{(\text{Ant } 0 \text{ AVGPSD}/10)} + 10^{(\text{Ant } 1 \text{ AVGPSD}/10)} + 10^{(\text{Ant } 2 \text{ AVGPSD}/10)} + 10^{(\text{Ant } 3 \text{ AVGPSD}/10)} \}$.

Note 2:

For 5250 - 5725MHz Band: Average Power Limit (dBm) = 11 - (8.99 - 6) = 8.01dBm/MHz