



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                  |                                                                                    |                                                                     |                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------|
| <b>Prüfbericht-Nr.:</b><br><i>Test report no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                    | CN23TGZZ (P15E-WiFi)<br>001                                                      | <b>Auftrags-Nr.:</b><br><i>Order no.:</i>                                          | 48216848                                                            | Seite 1 von 140<br>Page 1 of 140         |
| <b>Kunden-Referenz-Nr.:</b><br><i>Client reference no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                           | N/A                                                                              | <b>Auftragsdatum:</b><br><i>Order date:</i>                                        | 2023-03-13                                                          |                                          |
| <b>Auftraggeber:</b><br><i>Client:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                | Askey Computer Corp.<br>10F, No. 119, JIANKANG RD. ZHONGHE DIST. NEW TAIPEI CITY |                                                                                    |                                                                     |                                          |
| <b>Prüfgegenstand:</b><br><i>Test item:</i>                                                                                                                                                                                                                                                                                                                                                                                                                           | WiFi 6E Extender                                                                 |                                                                                    |                                                                     |                                          |
| <b>Bezeichnung / Typ-Nr.:</b><br><i>Identification / Type no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                    | AP5692W                                                                          |                                                                                    |                                                                     |                                          |
| <b>Auftrags-Inhalt:</b><br><i>Order content:</i>                                                                                                                                                                                                                                                                                                                                                                                                                      | FCC Part 15E Test report (WiFi 5GHz)                                             |                                                                                    |                                                                     |                                          |
| <b>Prüfgrundlage:</b><br><i>Test specification:</i>                                                                                                                                                                                                                                                                                                                                                                                                                   | FCC 47CFR Part 15: Subpart E Section 15.407                                      |                                                                                    |                                                                     |                                          |
| <b>Wareneingangsdatum:</b><br><i>Date of sample receipt:</i>                                                                                                                                                                                                                                                                                                                                                                                                          | 2023-03-16                                                                       |                                                                                    |                                                                     |                                          |
| <b>Prüfmuster-Nr.:</b><br><i>Test sample no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                     | A003435592-001                                                                   |                                                                                    |                                                                     |                                          |
| <b>Prüfzeitraum:</b><br><i>Testing period:</i>                                                                                                                                                                                                                                                                                                                                                                                                                        | 2023-04-03 - 2023-06-29                                                          |                                                                                    |                                                                     |                                          |
| <b>Ort der Prüfung:</b><br><i>Place of testing:</i>                                                                                                                                                                                                                                                                                                                                                                                                                   | EMC/RF Taipei Testing Site                                                       |                                                                                    |                                                                     |                                          |
| <b>Prüflaboratorium:</b><br><i>Testing laboratory:</i>                                                                                                                                                                                                                                                                                                                                                                                                                | Taipei Testing Laboratories                                                      |                                                                                    |                                                                     |                                          |
| <b>Prüfergebnis*:</b><br><i>Test result*:</i>                                                                                                                                                                                                                                                                                                                                                                                                                         | Pass                                                                             |                                                                                    |                                                                     |                                          |
| <b>überprüft von:</b><br><i>compiled by:</i>                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                  |                                                                                    | <b>genehmigt von:</b><br><i>authorized by:</i>                      |                                          |
| <b>Datum:</b><br><i>Date:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2023-07-07                                                                       | <b>Ausstellungsdatum:</b><br><i>Issue date:</i>                                    |                                                                     | 2023-07-07                               |
| <b>Stellung / Position:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           | Senior Project Manager                                                           | <b>Stellung / Position:</b>                                                        |                                                                     | Senior Project Manager                   |
| <b>Sonstiges / Other:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                  |                                                                                    |                                                                     |                                          |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br><i>Condition of the test item at delivery:</i>                                                                                                                                                                                                                                                                                                                                                                |                                                                                  | Prüfmuster vollständig und unbeschädigt<br><i>Test item complete and undamaged</i> |                                                                     |                                          |
| * Legende:                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 = sehr gut<br>P(ass) = entspricht o.g. Prüfgrundlage(n)                        | 2 = gut<br>F(ail) = entspricht nicht o.g. Prüfgrundlage(n)                         | 3 = befriedigend<br>F(ail) = entspricht nicht o.g. Prüfgrundlage(n) | 4 = ausreichend<br>N/A = nicht anwendbar |
| * Legend:                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 = very good<br>P(ass) = passed a.m. test specification(s)                      | 2 = good<br>F(ail) = failed a.m. test specification(s)                             | 3 = satisfactory<br>F(ail) = failed a.m. test specification(s)      | 4 = sufficient<br>N/A = not applicable   |
| 5 = mangelhaft<br>N/T = nicht getestet                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                  |                                                                                    |                                                                     |                                          |
| 5 = poor<br>N/T = not tested                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                  |                                                                                    |                                                                     |                                          |
| <p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b></p> <p><i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p> |                                                                                  |                                                                                    |                                                                     |                                          |

V05

## TEST SUMMARY

| Report Section | FCC Clause                     | Test Item                                  | Result |
|----------------|--------------------------------|--------------------------------------------|--------|
| 5.1.1          | 15.407(a) & 15.203             | Antenna Requirement                        | Pass   |
| 5.1.2          | 15.407(a)                      | Maximum Conducted Output Power             | Pass   |
| 5.1.3          | 15.407(h)(1)                   | Transmit Power Control (TPC)               | Pass   |
| 5.1.4          | 15.407(a)                      | 26 dB Bandwidth                            | Pass   |
| 5.1.4          | 2.1049                         | 99% Occupied Bandwidth                     | Pass   |
| 5.1.5          | 15.407(e)                      | 6 dB Bandwidth<br>(U-NII-3 Band only)      | Pass   |
| 5.1.6          | 15.407(g)                      | Frequency Stability                        | Pass   |
| 5.1.7          | 15.407(a)                      | Power Spectral Density                     | Pass   |
| 5.1.8          | 15.407(b) & 15.205<br>& 15.209 | Radiated Spurious Emissions and Band Edges | Pass   |
| 5.1.9          | 15.407(h) &<br>KDB 905462 D02  | Dynamic Frequency Selection                | Pass   |
| 5.2.1          | 15.207                         | Conducted Emissions on a.c. mains port     | Pass   |

**Note:** Determining compliance based on the results of the compliance measurement without taking into account measurement instrumentation uncertainty.

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**APPENDIX A - TEST RESULTS OF CONDUCTED TEST**

**APPENDIX B - TEST RESULTS OF RADIATED SPURIOUS EMISSIONS & CONDUCTED  
EMISSIONS ON A.C. MAINS PORT TEST**

**APPENDIX C – DYNAMIC FREQUENCY SELECTION RADAR TEST WAVEFORM**

**APPENDIX SP - PHOTOGRAPHS OF TEST SETUP**

**APPENDIX EP - PHOTOGRAPHS OF EUT**

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## HISTORY OF THIS TEST REPORT

| Revision | Description      | Date Issued |
|----------|------------------|-------------|
| R00      | Original Release | 2023-07-07  |

## 1. General Remarks

### 1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

**Appendix A - Test Results of Conducted Test**

**Appendix B - Test Results of Radiated Spurious Emissions & Conducted Emissions on a.c. mains port Test**

**Appendix C – Dynamic Frequency Selection Radar Test Waveform**

**Appendix SP - Photographs of Test Setup**

**Appendix EP - Photographs of EUT**

### Applied Standard and Test Levels

| Radio                                                        |
|--------------------------------------------------------------|
| FCC 47CFR Part 15: Subpart E Section 15.407                  |
| FCC 47CFR Part 2: Subpart J Section 2.1049                   |
| ANSI C63.10:2013                                             |
| KDB 789033 D02 General UNII Test Procedures New Rules v02r01 |
| KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02  |
| KDB 662911 D01 Multiple Transmitter Output v02r01            |

### 1.2 Decision Rule of Conformity

The decision rule of conformity of this test report is following the requirements of the requested standard in the quotation, and agreed among testing laboratory and manufacturer (applicant) to exclude the consideration of Measurement Uncertainty, unless it is required by the specific standard.

## 2. Test Sites

### 2.1 Test Laboratory

Taipei Testing Laboratories

11F. No.758, Sec. 4, Bade Rd., Songshan Dist.  
Taipei City 105  
Taiwan (R.O.C.)

### 2.2 Test Facility

Taipei Testing Laboratories

No.458-18, Sec. 2, Fenliao Rd., Linkou Dist.,  
New Taipei City 244  
Taiwan (R.O.C.)  
FCC Registration No.: 180491  
ISED Registration No.: 25563

## 2.3 Traceability

All measurement equipment calibrations are traceable to NML(Taiwan)/NIST(USA) or where calibration is performed outside Taiwan, to equivalent nationally recognized standards organizations.

## 2.4 Calibration

Equipment requiring calibration is calibrated periodically in a suitably accredited Calibration Lab. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

## 2.5 Measurement Uncertainty

All measurement uncertainty values are shown with a coverage factor of  $k=2$  to indicate a 95% level of confidence.

### Emission Measurement Uncertainty

| Parameter                            | Uncertainty   |
|--------------------------------------|---------------|
| Radiated Emission (9 kHz ~ 30 MHz)   | $\pm 1.15$ dB |
| Radiated Emission (30 MHz ~ 200 MHz) | $\pm 1.32$ dB |
| Radiated Emission (200 MHz ~ 1 GHz)  | $\pm 1.31$ dB |
| Radiated Emission (1 GHz ~ 18 GHz)   | $\pm 1.53$ dB |
| Radiated Emission (18 GHz ~ 40 GHz)  | $\pm 2.50$ dB |
| Mains Conducted Emission             | $\pm 1.65$ dB |



### 3. General Product Information

#### 3.1 Product Function and Intended Use

The EUT is a WiFi 6E Extender, it is a Wi-Fi extender amplifies and rebroadcasts your existing wireless network signal, extending its coverage to eliminate dead spots or weak areas. It helps expand the range and improve connectivity in places where the router's signal doesn't reach effectively.  
For details refer to the User Guide, Data Sheet and Circuit Diagram.

#### 3.2 System Details and Ratings

##### Basic Information of EUT

| Item                        | EUT information  |
|-----------------------------|------------------|
| Kind of Equipment/Test Item | WiFi 6E Extender |
| Type Identification         | AP5692W          |
| FCC ID                      | H8N-AP5692W      |

##### Technical Specification of EUT

| Item                      | EUT information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Frequency Range | U-NII-1: 5150 MHz ~ 5250 MHz<br>U-NII-2A: 5250 MHz ~ 5350 MHz<br>U-NII-2C: 5470 MHz ~ 5725 MHz<br>U-NII-3: 5725 MHz ~ 5850 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Channel Number            | <5150 MHz ~ 5350 MHz><br>8 for 802.11a, 802.11n HT20, 802.11ac VHT20, 802.11ax HE20<br>4 for 802.11n HT40, 802.11ac VHT40, 802.11ax HE40<br>2 for 802.11ac VHT80, 802.11ax HE80<br>1 for 802.11ac VHT160, 802.11ax HE160<br><5470 MHz ~ 5725 MHz><br>12 for 802.11a, 802.11n HT20, 802.11ac VHT20, 802.11ax HE20<br>6 for 802.11n HT40, 802.11ac VHT40, 802.11ax HE40<br>3 for 802.11ac VHT80, 802.11ax HE80<br>1 for 802.11ac VHT160, 802.11ax HE160<br><5725 MHz ~ 5850 MHz><br>5 for 802.11a, 802.11n HT20, 802.11ac VHT20, 802.11ax HE20<br>2 for 802.11n HT40, 802.11ac VHT40, 802.11ax HE40<br>1 for 802.11ac VHT80, 802.11ax HE80 |
| Data Rate                 | 802.11a: 54.0 / 48.0 / 36.0 / 24.0 / 18.0 / 12.0 / 9.0 / 6.0 Mbps<br>802.11n: up to MCS7<br>802.11ac: up to MCS9<br>802.11ax: up to MCS11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Operation Voltage         | Adapter input 100-240 Vac, output 12 Vdc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Modulation                | OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)<br>OFDMA (1024QAM)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Item                      | EUT information |                                                                                                          |
|---------------------------|-----------------|----------------------------------------------------------------------------------------------------------|
| Maximum Output Power (mW) | CDD             | 5180 ~ 5250 MHz: 244.69<br>5250 ~ 5320 MHz: 234.18<br>5500 ~ 5720 MHz: 239.90<br>5745 ~ 5825 MHz: 247.48 |
|                           | Beamforming     | 5180 ~ 5250 MHz: 117.78<br>5250 ~ 5320 MHz: 117.10<br>5500 ~ 5720 MHz: 119.96<br>5745 ~ 5825 MHz: 123.04 |
| Maximum EIRP (mW)         | CDD             | 5250 ~ 5320 MHz: 399.94<br>5500 ~ 5720 MHz: 467.74                                                       |
|                           | Beamforming     | 5250 ~ 5320 MHz: 322.85<br>5500 ~ 5720 MHz: 385.48                                                       |
| DFS Mode                  | Master          |                                                                                                          |
| Antenna Information       | Refer to 5.1.1  |                                                                                                          |
| Accessory Device          | Refer to 4.4    |                                                                                                          |

## 4. Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

The test modes were adapted accordingly in reference to the instructions for use.

During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output expected by the customer and is going to be fixed on the firmware of the final end product.

**Table for Parameters of Test Software Setting**

| 802.11a |               | 802.11n HT20<br>802.11ac VHT20<br>802.11ax HE20 |               | 802.11n HT40<br>802.11ac VHT40<br>802.11ax HE40 |               | 802.11ac VHT80<br>802.11ax HE80 |               | 802.11ac VHT160<br>802.11ax HE160 |               |
|---------|---------------|-------------------------------------------------|---------------|-------------------------------------------------|---------------|---------------------------------|---------------|-----------------------------------|---------------|
| Channel | Power Setting | Channel                                         | Power Setting | Channel                                         | Power Setting | Channel                         | Power Setting | Channel                           | Power Setting |
| 36      | 20.5          | 36                                              | 20.5          | 38                                              | 19.5          | 42                              | 18.5          | 50                                | 17.5          |
| 40      | 20.5          | 40                                              | 20.5          | 46                                              | 20            | 58                              | 17            | 114                               | 17.5          |
| 48      | 20            | 48                                              | 20            | 54                                              | 19.5          | 106                             | 19.5          |                                   |               |
| 52      | 17.5          | 52                                              | 18            | 62                                              | 17.5          | 122                             | 19            |                                   |               |
| 60      | 17.5          | 60                                              | 18            | 102                                             | 20.5          | 138                             | 18.5          |                                   |               |
| 64      | 18            | 64                                              | 18            | 110                                             | 20            | 155                             | 19.5          |                                   |               |
| 100     | 19            | 100                                             | 19.5          | 134                                             | 18.5          |                                 |               |                                   |               |
| 116     | 18            | 116                                             | 18.5          | 142                                             | 20            |                                 |               |                                   |               |
| 140     | 18            | 140                                             | 18.5          | 151                                             | 20.5          |                                 |               |                                   |               |
| 144     | 18            | 144                                             | 18.5          | 159                                             | 20.5          |                                 |               |                                   |               |
| 149     | 20.5          | 149                                             | 20.5          |                                                 |               |                                 |               |                                   |               |
| 157     | 21            | 157                                             | 21            |                                                 |               |                                 |               |                                   |               |
| 165     | 21            | 165                                             | 21            |                                                 |               |                                 |               |                                   |               |

## 4.2 Carrier Frequency and Channel

| Channel | Frequency (MHz) | 802.11a<br>802.11n HT20<br>802.11ac VHT20<br>802.11ax HE20 | 802.11n HT40<br>802.11ac VHT40<br>802.11ax HE40 | 802.11ac VHT80<br>802.11ax HE80 | 802.11ac VHT160<br>802.11ax HE160 |
|---------|-----------------|------------------------------------------------------------|-------------------------------------------------|---------------------------------|-----------------------------------|
| 36      | 5180            | V                                                          |                                                 |                                 |                                   |
| 38      | 5190            |                                                            | V                                               |                                 |                                   |
| 40      | 5200            | V                                                          |                                                 |                                 |                                   |
| 42      | 5210            |                                                            |                                                 | V                               |                                   |
| 44      | 5220            | V                                                          |                                                 |                                 |                                   |
| 46      | 5230            |                                                            | V                                               |                                 |                                   |
| 48      | 5240            | V                                                          |                                                 |                                 |                                   |
| 50      | 5250            |                                                            |                                                 |                                 | V                                 |
| 52      | 5260            | V                                                          |                                                 |                                 |                                   |
| 54      | 5270            |                                                            | V                                               |                                 |                                   |
| 56      | 5280            | V                                                          |                                                 |                                 |                                   |
| 58      | 5290            |                                                            |                                                 | V                               |                                   |
| 60      | 5300            | V                                                          |                                                 |                                 |                                   |
| 62      | 5310            |                                                            | V                                               |                                 |                                   |
| 64      | 5320            | V                                                          |                                                 |                                 |                                   |
| 100     | 5500            | V                                                          |                                                 |                                 |                                   |
| 102     | 5510            |                                                            | V                                               |                                 |                                   |
| 104     | 5520            | V                                                          |                                                 |                                 |                                   |
| 106     | 5530            |                                                            |                                                 | V                               |                                   |
| 108     | 5540            | V                                                          |                                                 |                                 |                                   |
| 110     | 5550            |                                                            | V                                               |                                 |                                   |
| 112     | 5560            | V                                                          |                                                 |                                 |                                   |
| 114     | 5570            |                                                            |                                                 |                                 | V                                 |
| 116     | 5580            | V                                                          |                                                 |                                 |                                   |
| 118     | 5590            |                                                            | V                                               |                                 |                                   |
| 120     | 5600            | V                                                          |                                                 |                                 |                                   |
| 122     | 5610            |                                                            |                                                 | V                               |                                   |
| 124     | 5620            | V                                                          |                                                 |                                 |                                   |
| 126     | 5630            |                                                            | V                                               |                                 |                                   |
| 128     | 5640            | V                                                          |                                                 |                                 |                                   |
| 132     | 5660            | V                                                          |                                                 |                                 |                                   |
| 134     | 5670            |                                                            | V                                               |                                 |                                   |
| 136     | 5680            | V                                                          |                                                 |                                 |                                   |
| 138     | 5690            |                                                            |                                                 | V                               |                                   |
| 140     | 5700            | V                                                          |                                                 |                                 |                                   |
| 142     | 5710            |                                                            | V                                               |                                 |                                   |
| 144     | 5720            | V                                                          |                                                 |                                 |                                   |
| 149     | 5745            | V                                                          |                                                 |                                 |                                   |
| 151     | 5755            |                                                            | V                                               |                                 |                                   |
| 153     | 5765            | V                                                          |                                                 |                                 |                                   |
| 155     | 5775            |                                                            |                                                 | V                               |                                   |
| 157     | 5785            | V                                                          |                                                 |                                 |                                   |
| 159     | 5795            |                                                            | V                                               |                                 |                                   |
| 161     | 5805            | V                                                          |                                                 |                                 |                                   |
| 165     | 5825            | V                                                          |                                                 |                                 |                                   |

## 4.3 Test Operation and Test Software

Setup for testing: Test samples are provided with LAN(RJ-45) interface connected to the notebook computer and used the Terminal software(Putty) to input the test mode command which makes it possible to control them through a test software(QPST) installed on a notebook computer. This software was running on the laptop computer connected to the EUT.

|               |                 |
|---------------|-----------------|
| Test Software | QSPR V5.0-00197 |
|---------------|-----------------|

Full test was applied on all test modes, but only the worst case was shown.

The device (EUT) includes a MIMO feature with two independent transmitters and receivers.

| Modulation Mode | Tx Function |
|-----------------|-------------|
| 802.11a         | 2TX (MIMO)  |
| 802.11n HT20    | 2TX (MIMO)  |
| 802.11n HT40    | 2TX (MIMO)  |
| 802.11ac VHT20  | 2TX (MIMO)  |
| 802.11ac VHT40  | 2TX (MIMO)  |
| 802.11ac VHT80  | 2TX (MIMO)  |
| 802.11ac VHT160 | 2TX (MIMO)  |
| 802.11ax HE20   | 2TX (MIMO)  |
| 802.11ax HE40   | 2TX (MIMO)  |
| 802.11ax HE80   | 2TX (MIMO)  |
| 802.11ax HE160  | 2TX (MIMO)  |

\* The modulation and bandwidth are similar for 802.11n mode HT20/HT40 and 802.11ac mode VHT20/VHT40/VHT80/VHT160 and 802.11ax HE20/HE40/HE80/HE160, therefore, only investigated worse case as representative mode in test report.

\*\* For Beamforming mode, only the output power is evaluated and presented in this report.

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| EUT Configure Mode | Applicable To                      |                                         |                                         |                                        | Description |
|--------------------|------------------------------------|-----------------------------------------|-----------------------------------------|----------------------------------------|-------------|
|                    | Antenna Port Conducted Measurement | Radiated Spurious Emissions above 1 GHz | Radiated Spurious Emissions below 1 GHz | Conducted Emissions on a.c. mains port |             |
| -                  | √                                  | √                                       | √                                       | √                                      | -           |

Note:

- The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when position on **Y-plane**.
- For emission tests, the worst case was the EUT placed in typical used, refer to the photo of test-setup.
- "-" means no effect.

**Antenna Port Conducted Measurement**
☒ Only the worst case of the testing modes was reported.

☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configured Modes | Mode                         | Frequency (MHz) | Available Channel | Tested Channel     | Date Rate (Mbps) |
|----------------------|------------------------------|-----------------|-------------------|--------------------|------------------|
| CDD                  | 802.11a                      | 5180-5240       | 36 to 48          | 36, 40, 48         | 6.0              |
|                      |                              | 5260-5320       | 52 to 64          | 52, 60, 64         |                  |
|                      |                              | 5500-5720       | 100 to 144        | 100, 116, 140, 144 |                  |
|                      |                              | 5745-5825       | 149 to 165        | 149, 157, 165      |                  |
|                      | 802.11n HT20 (Power only)    | 5180-5240       | 36 to 48          | 36, 40, 48         | MCS0             |
|                      |                              | 5260-5320       | 52 to 64          | 52, 60, 64         |                  |
|                      |                              | 5500-5720       | 100 to 144        | 100, 116, 140, 144 |                  |
|                      |                              | 5745-5825       | 149 to 165        | 149, 157, 165      |                  |
|                      | 802.11n HT40 (Power only)    | 5180-5240       | 38 to 46          | 38, 46             | MCS0             |
|                      |                              | 5260-5320       | 54 to 62          | 54, 62             |                  |
|                      |                              | 5500-5720       | 102 to 142        | 102, 110, 134, 142 |                  |
|                      |                              | 5745-5825       | 151 to 159        | 151, 159           |                  |
|                      | 802.11ac VHT20 (Power only)  | 5180-5240       | 36 to 48          | 36, 40, 48         | NSS1 MCS0        |
|                      |                              | 5260-5320       | 52 to 64          | 52, 60, 64         |                  |
|                      |                              | 5500-5720       | 100 to 144        | 100, 116, 140, 144 |                  |
|                      |                              | 5745-5825       | 149 to 165        | 149, 157, 165      |                  |
|                      | 802.11ac VHT40 (Power only)  | 5180-5240       | 38 to 46          | 38, 46             | NSS1 MCS0        |
|                      |                              | 5260-5320       | 54 to 62          | 54, 62             |                  |
|                      |                              | 5500-5720       | 102 to 142        | 102, 110, 134, 142 |                  |
|                      |                              | 5745-5825       | 151 to 159        | 151, 159           |                  |
|                      | 802.11ac VHT80 (Power only)  | 5180-5240       | 42                | 42                 | NSS1 MCS0        |
|                      |                              | 5260-5320       | 58                | 58                 |                  |
|                      |                              | 5500-5720       | 106 to 138        | 106, 122, 138      |                  |
|                      |                              | 5745-5825       | 155               | 155                |                  |
|                      | 802.11ac VHT160 (Power only) | 5180-5320       | 50                | 50                 | NSS1 MCS0        |
|                      |                              | 5500-5720       | 114               | 114                |                  |
|                      | 802.11ax HE20                | 5180-5240       | 36 to 48          | 36, 40, 48         | NSS1 MCS0        |
|                      |                              | 5260-5320       | 52 to 64          | 52, 60, 64         |                  |
|                      |                              | 5500-5720       | 100 to 144        | 100, 116, 140, 144 |                  |
|                      |                              | 5745-5825       | 149 to 165        | 149, 157, 165      |                  |
|                      | 802.11ax HE40                | 5180-5240       | 38 to 46          | 38, 46             | NSS1 MCS0        |
|                      |                              | 5260-5320       | 54 to 62          | 54, 62             |                  |
|                      |                              | 5500-5720       | 102 to 142        | 102, 110, 134, 142 |                  |
|                      |                              | 5745-5825       | 151 to 159        | 151, 159           |                  |
|                      | 802.11ax HE80                | 5180-5240       | 42                | 42                 | NSS1 MCS0        |
|                      |                              | 5260-5320       | 58                | 58                 |                  |
|                      |                              | 5500-5720       | 106 to 138        | 106, 122, 138      |                  |
|                      |                              | 5745-5825       | 155               | 155                |                  |
|                      | 802.11ax HE160               | 5180-5320       | 50                | 50                 | NSS1 MCS0        |
|                      |                              | 5500-5720       | 114               | 114                |                  |

| EUT Configured Modes | Mode            | Frequency (MHz) | Available Channel | Tested Channel     | Date Rate (Mbps) |
|----------------------|-----------------|-----------------|-------------------|--------------------|------------------|
| Beamforming          | 802.11ac VHT20  | 5180-5240       | 36 to 48          | 36, 40, 48         | NSS1 MCS0        |
|                      |                 | 5260-5320       | 52 to 64          | 52, 60, 64         |                  |
|                      |                 | 5500-5720       | 100 to 144        | 100, 116, 140, 144 |                  |
|                      |                 | 5745-5825       | 149 to 165        | 149, 157, 165      |                  |
|                      | 802.11ac VHT40  | 5180-5240       | 38 to 46          | 38, 46             | NSS1 MCS0        |
|                      |                 | 5260-5320       | 54 to 62          | 54, 62             |                  |
|                      |                 | 5500-5720       | 102 to 142        | 102, 110, 134, 142 |                  |
|                      |                 | 5745-5825       | 151 to 159        | 151, 159           |                  |
|                      | 802.11ac VHT80  | 5180-5240       | 42                | 42                 | NSS1 MCS0        |
|                      |                 | 5260-5320       | 58                | 58                 |                  |
|                      |                 | 5500-5720       | 106 to 138        | 106, 122, 138      |                  |
|                      |                 | 5745-5825       | 155               | 155                |                  |
|                      | 802.11ac VHT160 | 5180-5320       | 50                | 50                 | NSS1 MCS0        |
|                      |                 | 5500-5720       | 114               | 114                |                  |
|                      | 802.11ax HE20   | 5180-5240       | 36 to 48          | 36, 40, 48         | NSS1 MCS0        |
|                      |                 | 5260-5320       | 52 to 64          | 52, 60, 64         |                  |
|                      |                 | 5500-5720       | 100 to 144        | 100, 116, 140, 144 |                  |
|                      |                 | 5745-5825       | 149 to 165        | 149, 157, 165      |                  |
|                      | 802.11ax HE40   | 5180-5240       | 38 to 46          | 38, 46             | NSS1 MCS0        |
|                      |                 | 5260-5320       | 54 to 62          | 54, 62             |                  |
|                      |                 | 5500-5720       | 102 to 142        | 102, 110, 134, 142 |                  |
|                      |                 | 5745-5825       | 151 to 159        | 151, 159           |                  |
|                      | 802.11ax HE80   | 5180-5240       | 42                | 42                 | NSS1 MCS0        |
|                      |                 | 5260-5320       | 58                | 58                 |                  |
|                      |                 | 5500-5720       | 106 to 138        | 106, 122, 138      |                  |
|                      |                 | 5745-5825       | 155               | 155                |                  |
|                      | 802.11ax HE160  | 5180-5320       | 50                | 50                 | NSS1 MCS0        |
|                      |                 | 5500-5720       | 114               | 114                |                  |

**Radiated Spurious Emissions (Above 1 GHz)**
☒ Only the worst case of the testing modes was reported.

☒ Following channel(s) was (were) selected for the final test as listed below.

| PSU Used  | Mode           | Frequency (MHz) | Available Channel | Tested Channel     | Date Rate (Mbps) |
|-----------|----------------|-----------------|-------------------|--------------------|------------------|
| Adapter 1 | 802.11a        | 5180-5240       | 36 to 48          | 36, 40, 48         | 6.0              |
|           |                | 5260-5320       | 52 to 64          | 52, 60, 64         |                  |
|           |                | 5500-5720       | 100 to 144        | 100, 116, 140, 144 |                  |
|           |                | 5745-5825       | 149 to 165        | 149, 157, 165      |                  |
|           | 802.11ax HE20  | 5180-5240       | 36 to 48          | 36, 40, 48         | NSS1 MCS0        |
|           |                | 5260-5320       | 52 to 64          | 52, 60, 64         |                  |
|           |                | 5500-5720       | 100 to 144        | 100, 116, 140, 144 |                  |
|           |                | 5745-5825       | 149 to 165        | 149, 157, 165      |                  |
|           | 802.11ax HE40  | 5180-5240       | 38 to 46          | 38, 46             | NSS1 MCS0        |
|           |                | 5260-5320       | 54 to 62          | 54, 62             |                  |
|           |                | 5500-5720       | 102 to 142        | 102, 110, 134, 142 |                  |
|           |                | 5745-5825       | 151 to 159        | 151, 159           |                  |
|           | 802.11ax HE80  | 5180-5240       | 42                | 42                 | NSS1 MCS0        |
|           |                | 5260-5320       | 58                | 58                 |                  |
|           |                | 5500-5720       | 106 to 138        | 106, 122, 138      |                  |
|           |                | 5745-5825       | 155               | 155                |                  |
|           | 802.11ax HE160 | 5180-5320       | 50                | 50                 | NSS1 MCS0        |
|           |                | 5500-5720       | 114               | 114                |                  |

**Radiated Spurious Emissions (Below 1 GHz)**

- ☒ Only the worst case of the testing modes was reported.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| PSU Used  | Mode          | Frequency (MHz) | Available Channel | Tested Channel | Date Rate (Mbps) |
|-----------|---------------|-----------------|-------------------|----------------|------------------|
| Adapter 1 | 802.11ax HE80 | 5500-5720       | 106 to 138        | 106            | NSS1 MCS0        |

**Conducted Emissions on a.c. mains port**

- ☒ Only the worst case of the testing modes was reported.
- ☒ The EUT configuration is shown as below,

| PSU Used  | Radio Configurations                                                                                                                                                                                                                                                 |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Adapter 2 | <p>The following radio interfaces were set with the configurations below in continuously transmitting mode.</p> <p>Bluetooth:<br/>LE, Fc: 2480 MHz</p> <p>WLAN:<br/>IEEE 802.11ax, HE20, 2412 MHz.<br/>IEEE 802.11a, 5475 MHz<br/>IEEE 802.11ax, HE20, 5955 MHz.</p> |

**Test Condition**

| Test Item                               | Ambient Temperature | Relative Humidity | Tested by   |
|-----------------------------------------|---------------------|-------------------|-------------|
| Conducted Measurement                   | 23.6-24.3 °C        | 60.5-74.8 %       | Andy Chen   |
| Radiated Spurious Emissions above 1 GHz | 23.7-24.8 °C        | 54-56 %           | Ivan Chiang |
| Radiated Spurious Emissions below 1 GHz | 23.7-24.8 °C        | 54-56 %           | Ivan Chiang |
| Conducted Emissions on a.c. mains port  | 21.1-24.9 °C        | 51.7-54.9 %       | Ray Huang   |



## 4.4 Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

### Accessory of EUT

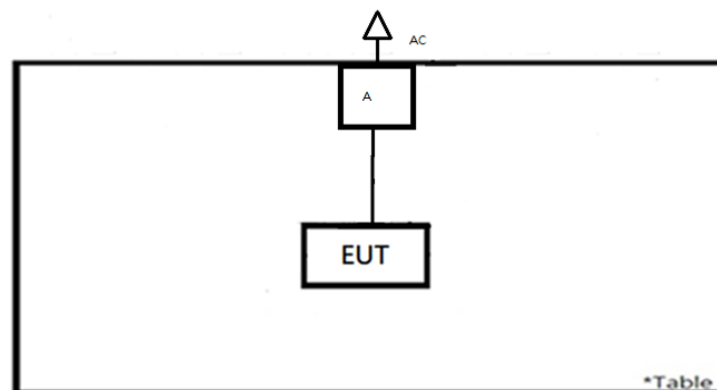
| No. | Product   | Brand    | Model             | Description                                              |
|-----|-----------|----------|-------------------|----------------------------------------------------------|
| A   | Adapter 1 | Frecom   | F30L10-120250SPAU | I/P: 100-240 Vac, 50/60 Hz, 1.25 A<br>O/P: 12 Vdc, 2.5 A |
| B   | Adapter 2 | FLYPOWER | PS30L120K2500UD   | I/P: 100-240 Vac, 50/60 Hz, 0.8 A<br>O/P: 12 Vdc, 2.5 A  |

### Support Unit

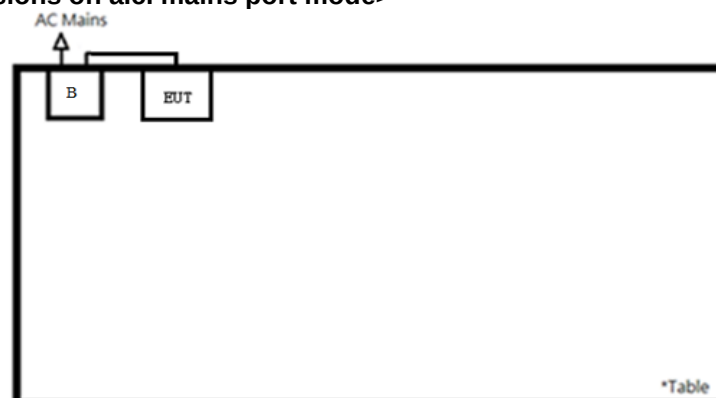
| Support Unit |             |       |       |            |          |                    |             |        |
|--------------|-------------|-------|-------|------------|----------|--------------------|-------------|--------|
| No           | Description | Brand | Model | S/N        | Shielded | Ferrite Core (Qty) | Length (cm) | Remark |
| -            | Notebook    | HP    | 9470m | CNU4099WK7 | -        | -                  | -           | --     |

## 4.5 Test Setup Diagram

<Radiated Spurious Emissions mode>

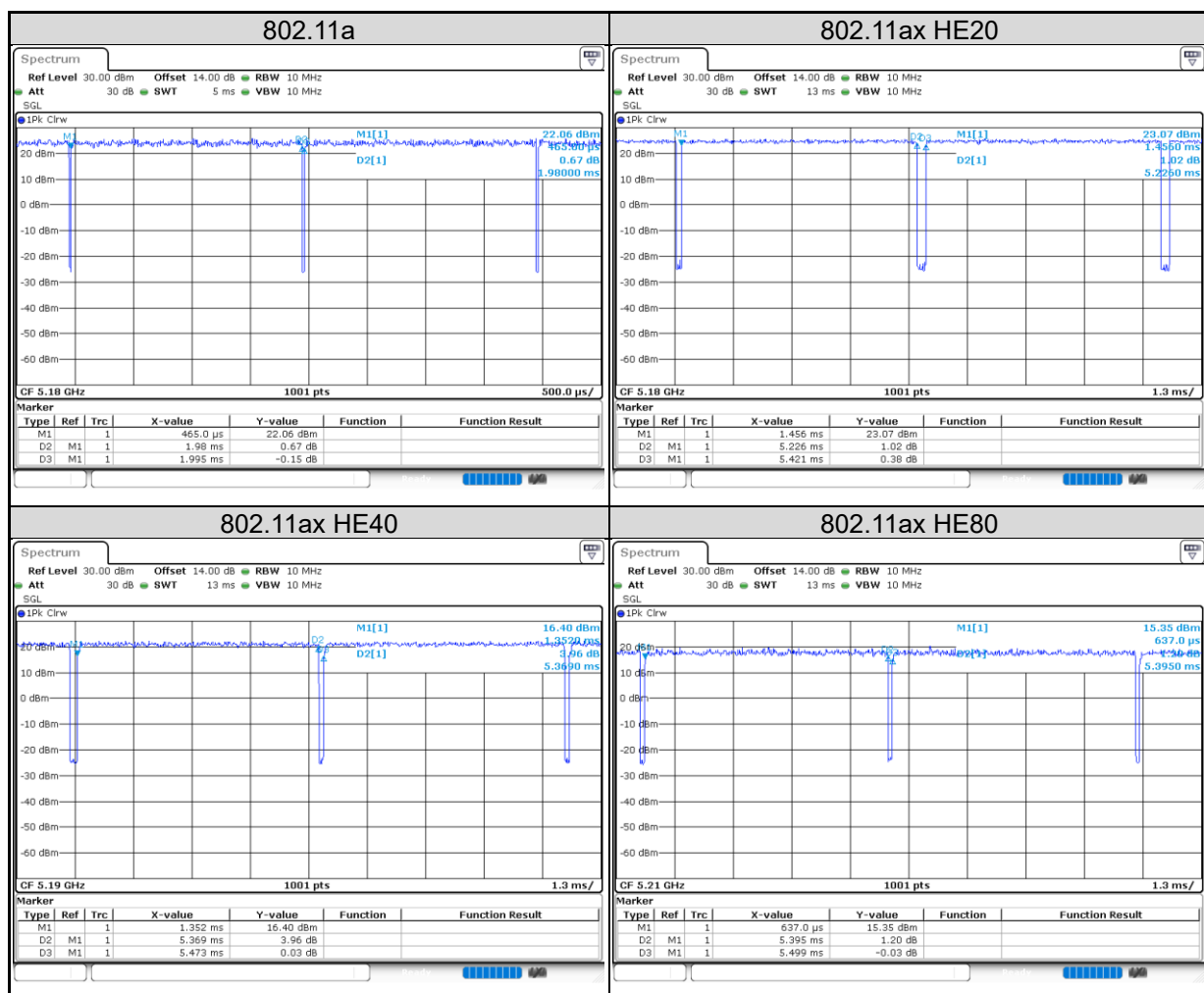


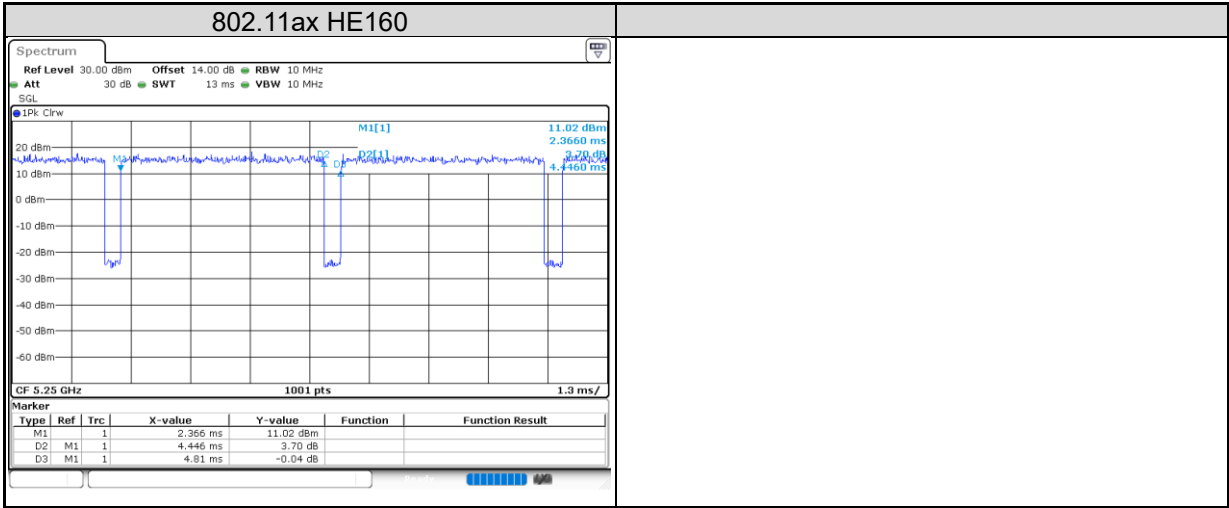
<Conducted Emissions on a.c. mains port mode>



## 4.6 Duty Cycle of Test Signal

| Mode           | On + Off Time (ms) | On Time (ms) | Duty Cycle (%) | Duty Factor (dB) |
|----------------|--------------------|--------------|----------------|------------------|
| 802.11a        | 2.00               | 1.98         | 99.25          | 0.03             |
| 802.11ax HE20  | 5.42               | 5.23         | 96.40          | 0.16             |
| 802.11ax HE40  | 5.47               | 5.37         | 98.10          | 0.08             |
| 802.11ax HE80  | 5.50               | 5.40         | 98.11          | 0.08             |
| 802.11ax HE160 | 4.81               | 4.45         | 92.43          | 0.34             |





## 5. Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Antenna Requirement

**Requirement** Use of approved antennas only

The gain value is derived from Antenna datasheet, the EUT's antenna specifications are described as below. The antenna is used with no possibility of replacement with a non-approved antenna by the end-user. Therefore, the EUT is considered to comply with this provision.

| ANT              |                        | Gain (dBi) |          |          |         | Antenna Type |
|------------------|------------------------|------------|----------|----------|---------|--------------|
|                  |                        | U-NII-1    | U-NII-2A | U-NII-2C | U-NII-3 |              |
| 3                |                        | 0.43       | 0.57     | -0.01    | 0.81    | Dipole       |
| 4                |                        | 2.97       | 2.32     | 2.90     | 3.01    | Dipole       |
| Max Peak Gain    |                        | 2.97       | 2.32     | 2.90     | 3.01    | -            |
| CDD Mode         | Power Directional Gain | 2.97       | 2.32     | 2.90     | 3.01    | -            |
|                  | PSD Directional Gain   | 4.93       | 4.44     | 5.07     | 4.51    | -            |
| Beamforming Mode | Power Directional Gain | 4.93       | 4.44     | 5.07     | 4.51    | -            |
|                  | PSD Directional Gain   | 4.93       | 4.44     | 5.07     | 4.51    | -            |

Note: The PSD directional gain has been measured, please refer to antenna test report.

Refer to EUT photo for details.

## 5.1.2 Maximum Conducted Output Power

### Limit

| Operation Band | EUT Category                      | Limit                                                                                                                         |
|----------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| U-NII-1        | Outdoor Access Point              | 1 Watt (30 dBm)<br>(Max. e.i.r.p $\leq$ 125 mW (21 dBm) at any elevation angle above 30 degrees as measured from the horizon) |
|                | Fixed point-to-point Access Point | 1 Watt (30 dBm)                                                                                                               |
|                | Indoor Access Point               | 1 Watt (30 dBm)                                                                                                               |
|                | Mobile and Portable client device | 250 mW (24 dBm)                                                                                                               |
| U-NII-2A       | ---                               | 250 mW (24 dBm) or 11 dBm + 10 log B*                                                                                         |
| U-NII-2C       | ---                               | 250 mW (24 dBm) or 11 dBm + 10 log B*                                                                                         |
| U-NII-3        | ---                               | 1 Watt (30 dBm)                                                                                                               |

Note: B\* is the 26 dB emission bandwidth in megahertz

Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for  $N_{ANT} \leq 4$ ;

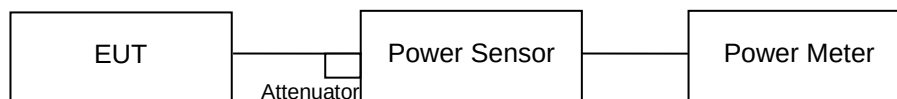
Array Gain = 0 dB (i.e., no array gain) for channel widths  $\geq 40$  MHz for any  $N_{ANT}$ ;

Array Gain = 5 log( $N_{ANT}/N_{SS}$ ) dB or 3 dB, whichever is less for 20 MHz channel widths with  $N_{ANT} \geq 5$ .

For power measurements on all other devices: Array Gain = 10 log( $N_{ANT}/N_{SS}$ ) dB.

**Kind of Test Site**                      Shielded room

### Test Setup



### Test Instruments

| Kind of Equipment | Manufacturer | Type    | S/N     | Calibration Date | Calibration Due Date | Test Date |          |
|-------------------|--------------|---------|---------|------------------|----------------------|-----------|----------|
|                   |              |         |         |                  |                      | From      | Until    |
| Power Meter       | Anritsu      | ML2495A | 1901008 | 2023/3/17        | 2024/3/15            | 2023/6/6  | 2023/6/7 |
| Power Sensor      | Anritsu      | MA2411B | 1725269 | 2023/3/17        | 2024/3/15            | 2023/6/6  | 2023/6/7 |

### Test Procedures

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst and set the detector to AVERAGE. Duty factor is not added to measured value.

**Test Result**
**CDD**
**<802.11a>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 36      | 5180                    | 20.95                      | 20.73   | 23.85       | 242.76 | 30.00       |
| 40      | 5200                    | 20.98                      | 20.63   | 23.82       | 240.93 | 30.00       |
| 48      | 5240                    | 20.96                      | 20.79   | 23.89       | 244.69 | 30.00       |
| 52      | 5260                    | 18.67                      | 18.55   | 21.62       | 145.24 | 23.94       |
| 60      | 5300                    | 18.36                      | 18.32   | 21.35       | 136.47 | 23.95       |
| 64      | 5320                    | 18.63                      | 18.39   | 21.52       | 141.97 | 23.95       |
| 100     | 5500                    | 18.56                      | 18.47   | 21.53       | 142.09 | 23.92       |
| 116     | 5580                    | 18.68                      | 17.96   | 21.35       | 136.31 | 23.94       |
| 140     | 5700                    | 18.61                      | 18.38   | 21.51       | 141.48 | 23.85       |
| 144     | 5720 (U-NII-2C)         | 18.48                      | 18.37   | 21.44       | 139.18 | 22.64       |
| 144     | 5720 (U-NII-3)          | 18.48                      | 18.37   | 21.44       | 139.18 | 30.00       |
| 149     | 5745                    | 20.91                      | 20.88   | 23.91       | 245.77 | 30.00       |
| 157     | 5785                    | 20.96                      | 20.89   | 23.94       | 247.48 | 30.00       |
| 165     | 5825                    | 20.97                      | 20.86   | 23.93       | 246.92 | 30.00       |

**Note:**
**For U-NII-2A, U-NII-2C Band:**

- 11 dBm + 10log (19.70 ) = 23.94 dBm < 24 dBm.
- 11 dBm + 10log (19.74 ) = 23.95 dBm < 24 dBm.
- 11 dBm + 10log (19.74 ) = 23.95 dBm < 24 dBm.
- 11 dBm + 10log (19.58 ) = 23.92 dBm < 24 dBm.
- 11 dBm + 10log (19.66 ) = 23.94 dBm < 24 dBm.
- 11 dBm + 10log (19.26 ) = 23.85 dBm < 24 dBm.
- 11 dBm + 10log (14.59 ) = 22.64 dBm < 24 dBm.

**<802.11n HT20>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 36      | 5180                    | 20.41                      | 20.28   | 23.36       | 216.56 | 30.00       |
| 40      | 5200                    | 20.49                      | 20.26   | 23.39       | 218.11 | 30.00       |
| 48      | 5240                    | 20.47                      | 20.38   | 23.44       | 220.57 | 30.00       |
| 52      | 5260                    | 18.65                      | 18.48   | 21.58       | 143.75 | 24.00       |
| 60      | 5300                    | 18.62                      | 18.21   | 21.43       | 139.00 | 24.00       |
| 64      | 5320                    | 18.17                      | 17.96   | 21.08       | 128.13 | 24.00       |
| 100     | 5500                    | 18.69                      | 18.47   | 21.59       | 144.27 | 24.00       |
| 116     | 5580                    | 18.88                      | 18.31   | 21.61       | 145.03 | 24.00       |
| 140     | 5700                    | 18.69                      | 18.55   | 21.63       | 145.57 | 24.00       |
| 144     | 5720 (U-NII-2C)         | 18.54                      | 18.53   | 21.55       | 142.73 | 22.91       |
| 144     | 5720 (U-NII-3)          | 18.54                      | 18.53   | 21.55       | 142.73 | 30.00       |
| 149     | 5745                    | 20.63                      | 20.47   | 23.56       | 227.04 | 30.00       |
| 157     | 5785                    | 20.62                      | 20.51   | 23.58       | 227.81 | 30.00       |
| 165     | 5825                    | 20.54                      | 20.43   | 23.50       | 223.65 | 30.00       |

**<802.11n HT40>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 38      | 5190                    | 19.65                      | 17.43   | 21.69       | 147.59 | 30.00       |
| 46      | 5230                    | 20.47                      | 20.32   | 23.41       | 219.08 | 30.00       |
| 54      | 5270                    | 20.41                      | 20.33   | 23.38       | 217.80 | 24.00       |
| 62      | 5310                    | 17.96                      | 17.75   | 20.87       | 122.08 | 24.00       |
| 102     | 5510                    | 20.12                      | 19.85   | 23.00       | 199.41 | 24.00       |
| 110     | 5550                    | 20.46                      | 19.74   | 23.13       | 205.36 | 24.00       |
| 134     | 5670                    | 18.93                      | 18.66   | 21.81       | 151.61 | 24.00       |
| 142     | 5710 (U-NII-2C)         | 20.53                      | 20.44   | 23.50       | 223.64 | 24.00       |
| 142     | 5710 (U-NII-3)          | 20.53                      | 20.44   | 23.50       | 223.64 | 30.00       |
| 151     | 5755                    | 20.62                      | 20.53   | 23.59       | 228.32 | 30.00       |
| 159     | 5795                    | 20.43                      | 20.35   | 23.40       | 218.80 | 30.00       |

**<802.11ac VHT20>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 36      | 5180                    | 20.54                      | 20.43   | 23.50       | 223.65 | 30.00       |
| 40      | 5200                    | 20.63                      | 20.38   | 23.52       | 224.76 | 30.00       |
| 48      | 5240                    | 20.62                      | 20.51   | 23.58       | 227.81 | 30.00       |
| 52      | 5260                    | 18.79                      | 18.65   | 21.73       | 148.97 | 24.00       |
| 60      | 5300                    | 18.76                      | 18.36   | 21.57       | 143.71 | 24.00       |
| 64      | 5320                    | 18.33                      | 18.12   | 21.24       | 132.94 | 24.00       |
| 100     | 5500                    | 18.82                      | 18.65   | 21.75       | 149.49 | 24.00       |
| 116     | 5580                    | 19.01                      | 18.47   | 21.76       | 149.92 | 24.00       |
| 140     | 5700                    | 18.83                      | 18.72   | 21.79       | 150.86 | 24.00       |
| 144     | 5720 (U-NII-2C)         | 18.71                      | 18.66   | 21.70       | 147.75 | 22.91       |
| 144     | 5720 (U-NII-3)          | 18.71                      | 18.66   | 21.70       | 147.75 | 30.00       |
| 149     | 5745                    | 20.76                      | 20.63   | 23.71       | 234.74 | 30.00       |
| 157     | 5785                    | 20.77                      | 20.65   | 23.72       | 235.54 | 30.00       |
| 165     | 5825                    | 20.68                      | 20.59   | 23.65       | 231.50 | 30.00       |

**<802.11ac VHT40>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 38      | 5190                    | 19.82                      | 17.59   | 21.86       | 153.35 | 30.00       |
| 46      | 5230                    | 20.63                      | 20.47   | 23.56       | 227.04 | 30.00       |
| 54      | 5270                    | 20.58                      | 20.48   | 23.54       | 225.97 | 24.00       |
| 62      | 5310                    | 18.13                      | 17.91   | 21.03       | 126.81 | 24.00       |
| 102     | 5510                    | 20.27                      | 20.02   | 23.16       | 206.88 | 24.00       |
| 110     | 5550                    | 20.63                      | 19.95   | 23.31       | 214.47 | 24.00       |
| 134     | 5670                    | 19.09                      | 18.82   | 21.97       | 157.30 | 24.00       |
| 142     | 5710 (U-NII-2C)         | 20.66                      | 20.61   | 23.65       | 231.49 | 24.00       |
| 142     | 5710 (U-NII-3)          | 20.66                      | 20.61   | 23.65       | 231.49 | 30.00       |
| 151     | 5755                    | 20.77                      | 20.69   | 23.74       | 236.62 | 30.00       |
| 159     | 5795                    | 20.58                      | 20.48   | 23.54       | 225.97 | 30.00       |

**<802.11ac VHT80>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 42      | 5210                    | 18.52                      | 18.14   | 21.34       | 136.28 | 30.00       |
| 58      | 5290                    | 17.69                      | 17.59   | 20.65       | 116.16 | 24.00       |
| 106     | 5530                    | 19.33                      | 19.15   | 22.25       | 167.93 | 24.00       |
| 122     | 5610                    | 19.30                      | 18.97   | 22.15       | 164.00 | 24.00       |
| 138     | 5690 (U-NII-2C)         | 19.18                      | 19.06   | 22.13       | 163.33 | 24.00       |
| 138     | 5690 (U-NII-3)          | 19.18                      | 19.06   | 22.13       | 163.33 | 30.00       |
| 155     | 5775                    | 19.24                      | 19.13   | 22.20       | 165.79 | 30.00       |

**<802.11ac VHT160>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 50      | 5250                    | 18.61                      | 18.42   | 21.53       | 142.11 | 24.00       |
| 114     | 5570                    | 18.57                      | 18.17   | 21.38       | 137.56 | 24.00       |

**<802.11ax HE20>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 36      | 5180                    | 20.71                      | 20.57   | 23.65       | 231.79 | 30.00       |
| 40      | 5200                    | 20.78                      | 20.54   | 23.67       | 232.91 | 30.00       |
| 48      | 5240                    | 20.76                      | 20.66   | 23.72       | 235.54 | 30.00       |
| 52      | 5260                    | 18.93                      | 18.78   | 21.87       | 153.67 | 24.00       |
| 60      | 5300                    | 18.89                      | 18.52   | 21.72       | 148.57 | 24.00       |
| 64      | 5320                    | 18.47                      | 18.18   | 21.34       | 136.07 | 24.00       |
| 100     | 5500                    | 18.98                      | 18.72   | 21.86       | 153.54 | 24.00       |
| 116     | 5580                    | 19.17                      | 18.63   | 21.92       | 155.55 | 24.00       |
| 140     | 5700                    | 18.98                      | 18.89   | 21.95       | 156.51 | 24.00       |
| 144     | 5720 (U-NII-2C)         | 18.88                      | 18.82   | 21.86       | 153.48 | 22.91       |
| 144     | 5720 (U-NII-3)          | 18.88                      | 18.82   | 21.86       | 153.48 | 30.00       |
| 149     | 5745                    | 20.89                      | 20.77   | 23.84       | 242.14 | 30.00       |
| 157     | 5785                    | 20.92                      | 20.78   | 23.86       | 243.27 | 30.00       |
| 165     | 5825                    | 20.82                      | 20.74   | 23.79       | 239.36 | 30.00       |

**Note:**
**For U-NII-2A, U-NII-2C Band:**

1.  $11 \text{ dBm} + 10\log(21.30) = 24.28 \text{ dBm} > 24 \text{ dBm}$ .
2.  $11 \text{ dBm} + 10\log(21.22) = 24.27 \text{ dBm} > 24 \text{ dBm}$ .
3.  $11 \text{ dBm} + 10\log(21.26) = 24.28 \text{ dBm} > 24 \text{ dBm}$ .
4.  $11 \text{ dBm} + 10\log(21.22) = 24.27 \text{ dBm} > 24 \text{ dBm}$ .
5.  $11 \text{ dBm} + 10\log(21.10) = 24.24 \text{ dBm} > 24 \text{ dBm}$ .
6.  $11 \text{ dBm} + 10\log(21.18) = 24.26 \text{ dBm} > 24 \text{ dBm}$ .
7.  $11 \text{ dBm} + 10\log(15.51) = 22.91 \text{ dBm} < 24 \text{ dBm}$ .



**<802.11ax HE40>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 38      | 5190                    | 19.98                      | 19.73   | 22.87       | 193.51 | 30.00       |
| 46      | 5230                    | 20.78                      | 20.61   | 23.71       | 234.75 | 30.00       |
| 54      | 5270                    | 20.73                      | 20.64   | 23.70       | 234.18 | 24.00       |
| 62      | 5310                    | 18.27                      | 18.06   | 21.18       | 131.12 | 24.00       |
| 102     | 5510                    | 20.44                      | 20.16   | 23.31       | 214.42 | 24.00       |
| 110     | 5550                    | 20.78                      | 20.12   | 23.47       | 222.48 | 24.00       |
| 134     | 5670                    | 19.25                      | 18.96   | 22.12       | 162.84 | 24.00       |
| 142     | 5710 (U-NII-2C)         | 20.81                      | 20.77   | 23.80       | 239.90 | 24.00       |
| 142     | 5710 (U-NII-3)          | 20.81                      | 20.77   | 23.80       | 239.90 | 30.00       |
| 151     | 5755                    | 20.94                      | 20.86   | 23.91       | 246.06 | 30.00       |
| 159     | 5795                    | 20.74                      | 20.61   | 23.69       | 233.66 | 30.00       |

**Note:**
**For U-NII-2A, U-NII-2C Band:**

1.  $11 \text{ dBm} + 10\log(40.28) = 27.05 \text{ dBm} > 24 \text{ dBm}$ .
2.  $11 \text{ dBm} + 10\log(40.20) = 27.04 \text{ dBm} > 24 \text{ dBm}$ .
3.  $11 \text{ dBm} + 10\log(40.12) = 27.03 \text{ dBm} > 24 \text{ dBm}$ .
4.  $11 \text{ dBm} + 10\log(40.20) = 27.04 \text{ dBm} > 24 \text{ dBm}$ .
5.  $11 \text{ dBm} + 10\log(40.28) = 27.05 \text{ dBm} > 24 \text{ dBm}$ .
6.  $11 \text{ dBm} + 10\log(35.22) = 26.47 \text{ dBm} > 24 \text{ dBm}$ .

**<802.11ax HE80>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 42      | 5210                    | 18.67                      | 18.31   | 21.50       | 141.38 | 30.00       |
| 58      | 5290                    | 17.83                      | 17.75   | 20.80       | 120.24 | 24.00       |
| 106     | 5530                    | 19.47                      | 19.31   | 22.40       | 173.82 | 24.00       |
| 122     | 5610                    | 19.45                      | 19.13   | 22.30       | 169.95 | 24.00       |
| 138     | 5690 (U-NII-2C)         | 19.34                      | 19.21   | 22.29       | 169.27 | 24.00       |
| 138     | 5690 (U-NII-3)          | 19.34                      | 19.21   | 22.29       | 169.27 | 30.00       |
| 155     | 5775                    | 19.38                      | 19.29   | 22.35       | 171.61 | 30.00       |

**Note:**
**For U-NII-2A, U-NII-2C Band:**

1.  $11 \text{ dBm} + 10\log(81.20) = 30.10 \text{ dBm} > 24 \text{ dBm}$ .
2.  $11 \text{ dBm} + 10\log(81.04) = 30.09 \text{ dBm} > 24 \text{ dBm}$ .
3.  $11 \text{ dBm} + 10\log(81.52) = 30.11 \text{ dBm} > 24 \text{ dBm}$ .
4.  $11 \text{ dBm} + 10\log(75.60) = 29.79 \text{ dBm} > 24 \text{ dBm}$ .

**<802.11ax HE160>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 50      | 5250                    | 18.75                      | 18.56   | 21.67       | 146.77 | 24.00       |
| 114     | 5570                    | 18.72                      | 18.30   | 21.53       | 142.08 | 24.00       |

**Note:**
**For U-NII-2A, U-NII-2C Band:**

1.  $11 \text{ dBm} + 10\log(81.52) = 30.11 \text{ dBm} > 24 \text{ dBm}$ .
2.  $11 \text{ dBm} + 10\log(163.36) = 33.13 \text{ dBm} > 24 \text{ dBm}$ .

**Beamforming**
**<802.11ac VHT20>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 36      | 5180                    | 17.53                      | 17.42   | 20.49       | 111.83 | 30.00       |
| 40      | 5200                    | 17.62                      | 17.37   | 20.51       | 112.39 | 30.00       |
| 48      | 5240                    | 17.61                      | 17.50   | 20.57       | 113.91 | 30.00       |
| 52      | 5260                    | 15.78                      | 15.64   | 18.72       | 74.49  | 24.00       |
| 60      | 5300                    | 15.75                      | 15.35   | 18.56       | 71.86  | 24.00       |
| 64      | 5320                    | 15.32                      | 15.11   | 18.23       | 66.47  | 24.00       |
| 100     | 5500                    | 15.81                      | 15.64   | 18.74       | 74.75  | 24.00       |
| 116     | 5580                    | 16.00                      | 15.46   | 18.75       | 74.97  | 24.00       |
| 140     | 5700                    | 15.82                      | 15.71   | 18.78       | 75.43  | 24.00       |
| 144     | 5720 (U-NII-2C)         | 15.70                      | 15.65   | 18.69       | 73.88  | 22.91       |
| 144     | 5720 (U-NII-3)          | 15.70                      | 15.65   | 18.69       | 73.88  | 30.00       |
| 149     | 5745                    | 17.75                      | 17.62   | 20.70       | 117.38 | 30.00       |
| 157     | 5785                    | 17.76                      | 17.64   | 20.71       | 117.78 | 30.00       |
| 165     | 5825                    | 17.67                      | 17.58   | 20.64       | 115.76 | 30.00       |

**<802.11ac VHT40>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 38      | 5190                    | 16.81                      | 14.58   | 18.85       | 76.68  | 30.00       |
| 46      | 5230                    | 17.62                      | 17.46   | 20.55       | 113.53 | 30.00       |
| 54      | 5270                    | 17.57                      | 17.47   | 20.53       | 112.99 | 24.00       |
| 62      | 5310                    | 15.12                      | 14.90   | 18.02       | 63.41  | 24.00       |
| 102     | 5510                    | 17.26                      | 17.01   | 20.15       | 103.45 | 24.00       |
| 110     | 5550                    | 17.62                      | 16.94   | 20.30       | 107.24 | 24.00       |
| 134     | 5670                    | 16.08                      | 15.81   | 18.96       | 78.66  | 24.00       |
| 142     | 5710 (U-NII-2C)         | 17.65                      | 17.60   | 20.64       | 115.75 | 24.00       |
| 142     | 5710 (U-NII-3)          | 17.65                      | 17.60   | 20.64       | 115.75 | 30.00       |
| 151     | 5755                    | 17.76                      | 17.68   | 20.73       | 118.32 | 30.00       |
| 159     | 5795                    | 17.57                      | 17.47   | 20.53       | 112.99 | 30.00       |

**<802.11ac VHT80>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |       | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|-------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)  |             |
| 42      | 5210                    | 15.51                      | 15.13   | 18.33       | 68.15 | 30.00       |
| 58      | 5290                    | 14.68                      | 14.58   | 17.64       | 58.08 | 24.00       |
| 106     | 5530                    | 16.32                      | 16.14   | 19.24       | 83.97 | 24.00       |
| 122     | 5610                    | 16.29                      | 15.96   | 19.14       | 82.01 | 24.00       |
| 138     | 5690 (U-NII-2C)         | 16.17                      | 16.05   | 19.12       | 81.67 | 24.00       |
| 138     | 5690 (U-NII-3)          | 16.17                      | 16.05   | 19.12       | 81.67 | 30.00       |
| 155     | 5775                    | 16.23                      | 16.12   | 19.19       | 82.90 | 30.00       |

**<802.11ac VHT160>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |       | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|-------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)  |             |
| 50      | 5250                    | 15.60                      | 15.41   | 18.52       | 71.06 | 24.00       |
| 114     | 5570                    | 15.56                      | 15.16   | 18.37       | 68.78 | 24.00       |

**<802.11ax HE20>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 36      | 5180                    | 17.70                      | 17.56   | 20.64       | 115.90 | 30.00       |
| 40      | 5200                    | 17.77                      | 17.53   | 20.66       | 116.47 | 30.00       |
| 48      | 5240                    | 17.75                      | 17.65   | 20.71       | 117.78 | 30.00       |
| 52      | 5260                    | 15.92                      | 15.77   | 18.86       | 76.84  | 24.00       |
| 60      | 5300                    | 15.88                      | 15.51   | 18.71       | 74.29  | 24.00       |
| 64      | 5320                    | 15.46                      | 15.17   | 18.33       | 68.04  | 24.00       |
| 100     | 5500                    | 15.97                      | 15.71   | 18.85       | 76.78  | 24.00       |
| 116     | 5580                    | 16.16                      | 15.62   | 18.91       | 77.78  | 24.00       |
| 140     | 5700                    | 15.97                      | 15.88   | 18.94       | 78.26  | 24.00       |
| 144     | 5720 (U-NII-2C)         | 15.87                      | 15.81   | 18.85       | 76.74  | 22.91       |
| 144     | 5720 (U-NII-3)          | 15.87                      | 15.81   | 18.85       | 76.74  | 30.00       |
| 149     | 5745                    | 17.88                      | 17.76   | 20.83       | 121.08 | 30.00       |
| 157     | 5785                    | 17.91                      | 17.77   | 20.85       | 121.64 | 30.00       |
| 165     | 5825                    | 17.81                      | 17.73   | 20.78       | 119.69 | 30.00       |

**<802.11ax HE40>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |        | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|--------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)   |             |
| 38      | 5190                    | 16.97                      | 16.72   | 19.86       | 96.76  | 30.00       |
| 46      | 5230                    | 17.77                      | 17.60   | 20.70       | 117.39 | 30.00       |
| 54      | 5270                    | 17.72                      | 17.63   | 20.69       | 117.10 | 24.00       |
| 62      | 5310                    | 15.26                      | 15.05   | 18.17       | 65.56  | 24.00       |
| 102     | 5510                    | 17.43                      | 17.15   | 20.30       | 107.22 | 24.00       |
| 110     | 5550                    | 17.77                      | 17.11   | 20.46       | 111.25 | 24.00       |
| 134     | 5670                    | 16.24                      | 15.95   | 19.11       | 81.43  | 24.00       |
| 142     | 5710 (U-NII-2C)         | 17.80                      | 17.76   | 20.79       | 119.96 | 24.00       |
| 142     | 5710 (U-NII-3)          | 17.80                      | 17.76   | 20.79       | 119.96 | 30.00       |
| 151     | 5755                    | 17.93                      | 17.85   | 20.90       | 123.04 | 30.00       |
| 159     | 5795                    | 17.73                      | 17.60   | 20.68       | 116.84 | 30.00       |

**<802.11ax HE80>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |       | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|-------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)  |             |
| 42      | 5210                    | 15.66                      | 15.30   | 18.49       | 70.70 | 30.00       |
| 58      | 5290                    | 14.82                      | 14.74   | 17.79       | 60.12 | 24.00       |
| 106     | 5530                    | 16.46                      | 16.30   | 19.39       | 86.92 | 24.00       |
| 122     | 5610                    | 16.44                      | 16.12   | 19.29       | 84.98 | 24.00       |
| 138     | 5690 (U-NII-2C)         | 16.33                      | 16.20   | 19.28       | 84.64 | 24.00       |
| 138     | 5690 (U-NII-3)          | 16.33                      | 16.20   | 19.28       | 84.64 | 30.00       |
| 155     | 5775                    | 16.37                      | 16.28   | 19.34       | 85.81 | 30.00       |

**<802.11ax HE160>**

| Channel | Channel Frequency (MHz) | Average Output Power (dBm) |         | Total Power |       | Limit (dBm) |
|---------|-------------------------|----------------------------|---------|-------------|-------|-------------|
|         |                         | Chain 0                    | Chain 1 | (dBm)       | (mW)  |             |
| 50      | 5250                    | 15.74                      | 15.55   | 18.66       | 73.39 | 24.00       |
| 114     | 5570                    | 15.71                      | 15.29   | 18.52       | 71.05 | 24.00       |

### 5.1.3 Transmit Power Control (TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p of less than 500 mW.

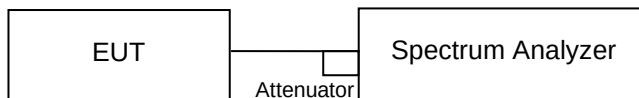
Maximum EIRP of this device is 467.74 mW which is less than 500mW, therefor, TPC function is not required.

| TPC | E.I.R.P | 15.407(h)(1)                                                             |
|-----|---------|--------------------------------------------------------------------------|
|     | > 500mW | The TPC mechanism is required for system with an E.I.R.P. of above 500mW |
| V   | < 500mW | -                                                                        |

### 5.1.4 26 dB Bandwidth and 99% Occupied Bandwidth

**Kind of Test Site**                      Shielded room

#### Test Setup



#### Test Instruments

| Kind of Equipment | Manufacturer | Type             | S/N         | Calibration Date | Calibration Due Date | Test Date |          |
|-------------------|--------------|------------------|-------------|------------------|----------------------|-----------|----------|
|                   |              |                  |             |                  |                      | From      | Until    |
| Spectrum Analyzer | R&S          | FSV              | 101512      | 2023/2/23        | 2024/2/22            | 2023/6/6  | 2023/6/7 |
| Thermal Chamber   | Giant Force  | GHT-150-40-CP-SD | MAA1902-011 | 2023/4/10        | 2024/4/8             | 2023/6/6  | 2023/6/7 |

#### Test Procedure

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
- For 99% Bandwidth Measurement, the transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to PEAK. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean power of a given emission.

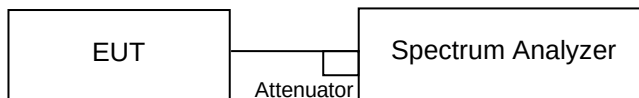
#### Test Results

Please refer to Appendix A

### 5.1.5 6 dB Bandwidth (5725-5850MHz)

**Kind of Test Site**                      Shielded room

#### Test Setup



#### Test Instruments

| Kind of Equipment | Manufacturer | Type             | S/N         | Calibration Date | Calibration Due Date | Test Date |          |
|-------------------|--------------|------------------|-------------|------------------|----------------------|-----------|----------|
|                   |              |                  |             |                  |                      | From      | Until    |
| Spectrum Analyzer | R&S          | FSV              | 101512      | 2023/2/23        | 2024/2/22            | 2023/6/6  | 2023/6/7 |
| Thermal Chamber   | Giant Force  | GHT-150-40-CP-SD | MAA1902-011 | 2023/4/10        | 2024/4/8             | 2023/6/6  | 2023/6/7 |

#### Test Procedure

##### MEASUREMENT PROCEDURE REF

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

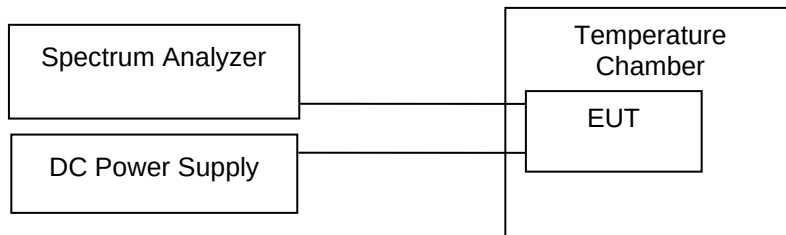
#### Test Results

Please refer to Appendix A

## 5.1.6 Frequency Stability Measurement

**Kind of Test Site**                      Shielded room

### Test Setup



### Test Instruments

| Kind of Equipment | Manufacturer | Type             | S/N         | Calibration Date | Calibration Due Date | Test Date |          |
|-------------------|--------------|------------------|-------------|------------------|----------------------|-----------|----------|
|                   |              |                  |             |                  |                      | From      | Until    |
| Spectrum Analyzer | R&S          | FSV              | 101512      | 2023/2/23        | 2024/2/22            | 2023/6/6  | 2023/6/7 |
| Thermal Chamber   | Giant Force  | GHT-150-40-CP-SD | MAA1902-011 | 2023/4/10        | 2024/4/8             | 2023/6/6  | 2023/6/7 |

### Test Procedure

- To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
- The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10 dB lower than the measured peak value.
- The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.



**Test Results**

| Frequency (MHz)      | 5180                        |             |             |                      |
|----------------------|-----------------------------|-------------|-------------|----------------------|
| Voltage (V)          | Measurement Frequency (MHz) |             |             | Max. Deviation (ppm) |
| 138                  | 5179.98263                  |             |             | 3.353                |
| 120                  | 5179.98205                  |             |             | 3.465                |
| 102                  | 5179.98437                  |             |             | 3.017                |
| Temperature (°C)     | Measurement Frequency (MHz) |             |             |                      |
|                      | 0 Minute                    | 2 Minute    | 5 Minute    | 10 Minute            |
| 50                   | 5179.96961                  | 5179.96903  | 5179.96816  | 5179.96816           |
| 40                   | 5179.970415                 | 5179.970632 | 5179.971297 | 5179.970362          |
| 30                   | 5179.973873                 | 5179.971394 | 5179.972255 | 5179.974281          |
| 20                   | 5179.98205                  | 5179.97829  | 5179.97598  | 5179.97453           |
| 10                   | 5179.998852                 | 5179.995878 | 5180.057021 | 5180.00756           |
| 0                    | 5180.010928                 | 5180.037789 | 5180.045964 | 5180.030818          |
| -10                  | 5180.043144                 | 5180.033783 | 5180.039416 | 5180.054691          |
| -20                  | 5180.06252                  | 5180.06223  | 5180.06223  | 5180.06194           |
| Max. Deviation (ppm) | 12.069                      | 12.014      | 12.014      | 11.958               |

### 5.1.7 Power Spectral Density

#### Limit

For the 5.15~5.25GHz Bands:

For mobile and portable client devices in the 5.15~5.25GHz band, the Maximum Power spectral density shall not exceed 11dBm/MHz. For an indoor access point operating in the band 5.15~5.25GHz, the maximum power spectral density shall not exceed 17dBm/MHz.

For the 5.25~5.35GHz and 5.47~5.725GHz Bands:

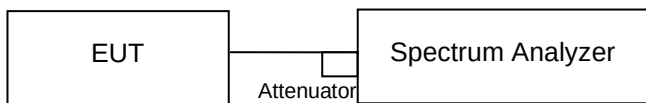
The maximum power spectral density shall not exceed 11dBm/MHz.

For the 5.745~5.85GHz Bands:

The maximum power spectral density shall not exceed 30dBm/500kHz.

**Kind of Test Site** Shielded room

#### Test Setup



#### Test Instruments

| Kind of Equipment | Manufacturer | Type             | S/N         | Calibration Date | Calibration Due Date | Test Date |          |
|-------------------|--------------|------------------|-------------|------------------|----------------------|-----------|----------|
|                   |              |                  |             |                  |                      | From      | Until    |
| Spectrum Analyzer | R&S          | FSV              | 101512      | 2023/2/23        | 2024/2/22            | 2023/6/6  | 2023/6/7 |
| Thermal Chamber   | Giant Force  | GHT-150-40-CP-SD | MAA1902-011 | 2023/4/10        | 2024/4/8             | 2023/6/6  | 2023/6/7 |

### Test Procedure

#### For U-NII-1, U-NII-2A, U-NII-2C band:

Using method SA-2

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz, Set VBW  $\geq$  3 MHz, Detector = RMS
3. Sweep time = auto, trigger set to "free run".
4. Trace average at least 100 traces in power averaging mode.
5. Record the max value and add 10 log (1/duty cycle)

#### ※For U-NII-3:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 500 kHz, Set VBW  $\geq$  3 RBW, Detector = RMS
3. Use the peak marker function to determine the maximum power level in any 500 kHz band segment within the fundamental EBW.
4. Sweep time = auto, trigger set to "free run".
5. Trace average at least 100 traces in power averaging mode.
6. Record the max value and add 10 log (1/duty cycle)

For MIMO mode, calculation method follows FCC KDB 662911 Method 2) a) of power density measurement using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

### Test Results

Please refer to Appendix A

## 5.1.8 Radiated Spurious Emissions

### Limit

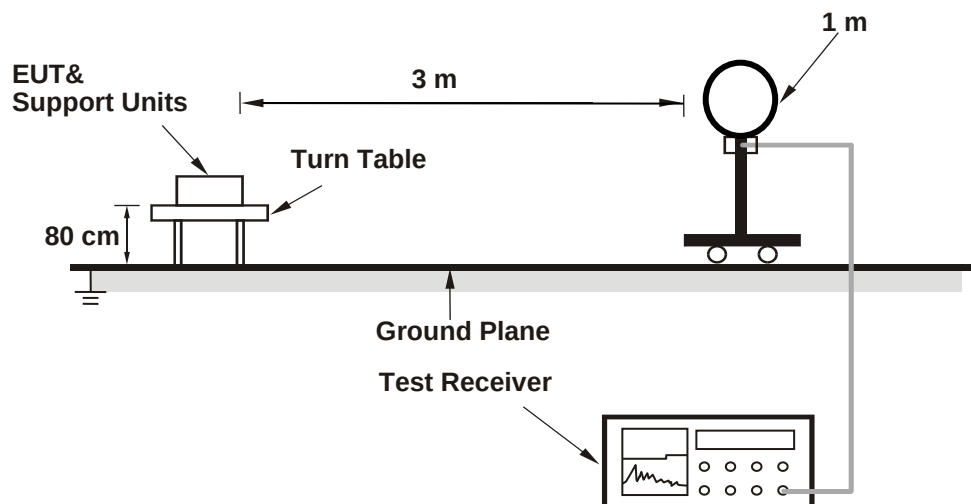
Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must comply with the radiated emission limits specified in §15.209(a).

Emissions radiated outside the restricted and authorized frequency bands must either comply with the radiated emission limits specified for the restricted bands or in §15.407(b).

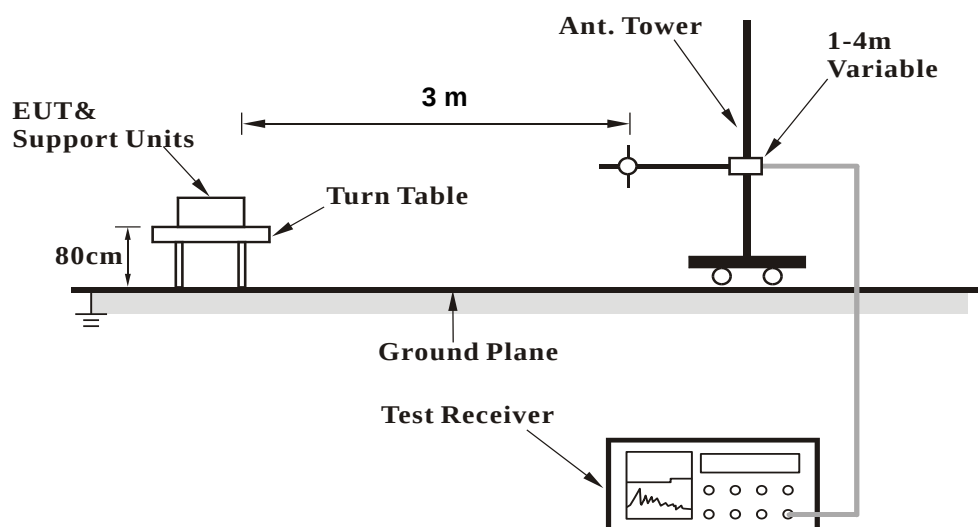
**Kind of Test Site** 3m Semi-Anechoic Chamber

### Test Setup

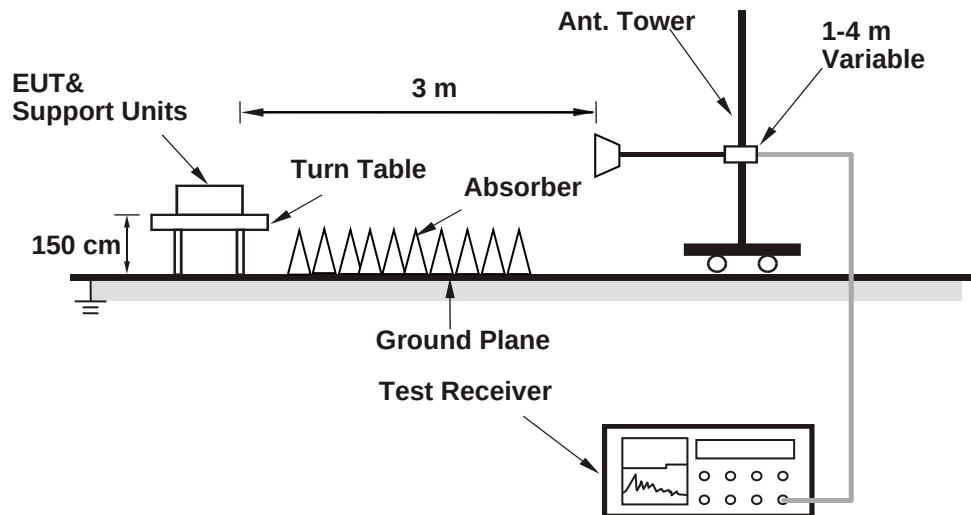
#### <Radiated Emissions below 30 MHz>



#### <Radiated Emissions 30 MHz to 1 GHz>



<Radiated Emissions above 1 GHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

**Test Instruments**

Test Period: 2023-04-03 ~ 2023-04-11

| Kind of Equipment  | Manufacturer | Type                   | S/N         | Calibration Date | Calibration Due Date |
|--------------------|--------------|------------------------|-------------|------------------|----------------------|
| Above 1 GHz        |              |                        |             |                  |                      |
| Signal Analyzer    | R&S          | FSV40                  | 101509      | 2022/4/21        | 2023/4/20            |
| Horn Antenna       | ETS-Lindgren | 3117                   | 00218929    | 2022/11/17       | 2023/11/16           |
| Horn Antenna       | SCHWARZBECK  | BBHA 9170              | 00890       | 2022/5/6         | 2023/5/5             |
| HF-AMP + AC source | EMCI         | EMC051845SE            | 980635      | 2023/2/16        | 2024/2/15            |
| HF-AMP + AC source | EMCI         | EMC051845SE            | 980656      | 2023/1/16        | 2024/1/15            |
| Test Software      | Audix E3     | 15914a_20191106<br>tuv | PK-001087   | N/A              | N/A                  |
| 30 MHz ~ 1 GHz     |              |                        |             |                  |                      |
| Receiver           | R&S          | ESR7                   | 102109      | 2023/2/24        | 2024/2/23            |
| Bilog Antenna      | SCHWARZBECK  | VULB-9168              | 00951       | 2023/3/31        | 2024/3/29            |
| LF-AMP             | Agilent      | 8447D                  | 2944A107722 | 2023/3/22        | 2024/3/20            |
| Test Software      | Audix E3     | 15914a_20191106<br>tuv | PK-001087   | N/A              | N/A                  |
| Below 30 MHz       |              |                        |             |                  |                      |
| Receiver           | R&S          | ESR7                   | 102109      | 2023/2/24        | 2024/2/23            |
| Loop Antenna       | SCHWARZBECK  | FMZB 1519B             | 00215       | 2023/1/4         | 2024/1/3             |
| Test Software      | Audix E3     | 15914a_20191106<br>tuv | PK-001087   | N/A              | N/A                  |

**Test Procedures****For Radiated Emissions below 30 MHz**

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. 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. Parallel (OPEN), perpendicular (CLOSE), and ground-parallel (GROUND) orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case 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 Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

## Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

**For Radiated Emissions above 30 MHz**

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30 MHz ~ 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. 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 height of antenna 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 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 quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

## Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle < 98 %) or 10 Hz (Duty cycle  $\geq 98$  %) for Average detection (AV) at frequency above 1 GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.
5. The Radiated Emissions testing was performed in the X(E1), Y(H) and Z(E2) axis orientation. The worst-case Axis orientation is recorded in this test report.
6. The emission levels of other frequencies (including the 10th harmonic of the highest fundamental frequency) are very lower than the limit and are not shown in the test report.

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#### Test Results

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

Level (dBuV/m) = Reading (dBuV) + Factor (dB/m)

Please refer to Appendix B.



## 5.1.9 Dynamic Frequency Selection

### Limit

<DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection>

| Maximum Transmit Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Value<br>(See Notes 1, 2, and 3) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| EIRP $\geq$ 200 milliwatt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -64 dBm                          |
| EIRP < 200 milliwatt and<br>power spectral density < 10 dBm/MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -62 dBm                          |
| EIRP < 200 milliwatt that do not meet the power spectral density<br>requirement                                                                                                                                                                                                                                                                                                                                                                                                                                         | -64 dBm                          |
| <p>Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.</p> <p>Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.</p> <p>Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.</p> |                                  |

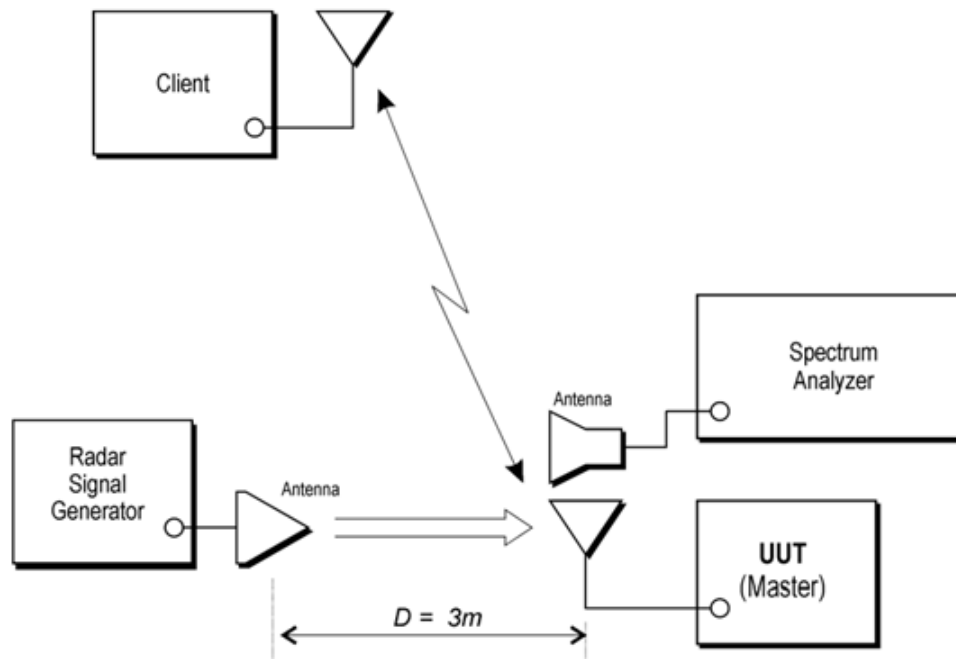
<DFS Response Requirement Values>

| Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Value                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <i>Non-occupancy period</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Minimum 30 minutes                                                                                              |
| <i>Channel Availability Check Time</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 60 seconds                                                                                                      |
| <i>Channel Move Time</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10 seconds<br>See Note 1.                                                                                       |
| <i>Channel Closing Transmission Time</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 200 milliseconds + an aggregate<br>of 60 milliseconds over remaining<br>10 second period.<br>See Notes 1 and 2. |
| <i>U-NII Detection Bandwidth</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Minimum 100% of the U-NII 99%<br>transmission power bandwidth.<br>See Note 3.                                   |
| <p>Note 1: <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p>Note 2: The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel</i> move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p>Note 3: During the <i>U-NII Detection Bandwidth</i> detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p> |                                                                                                                 |

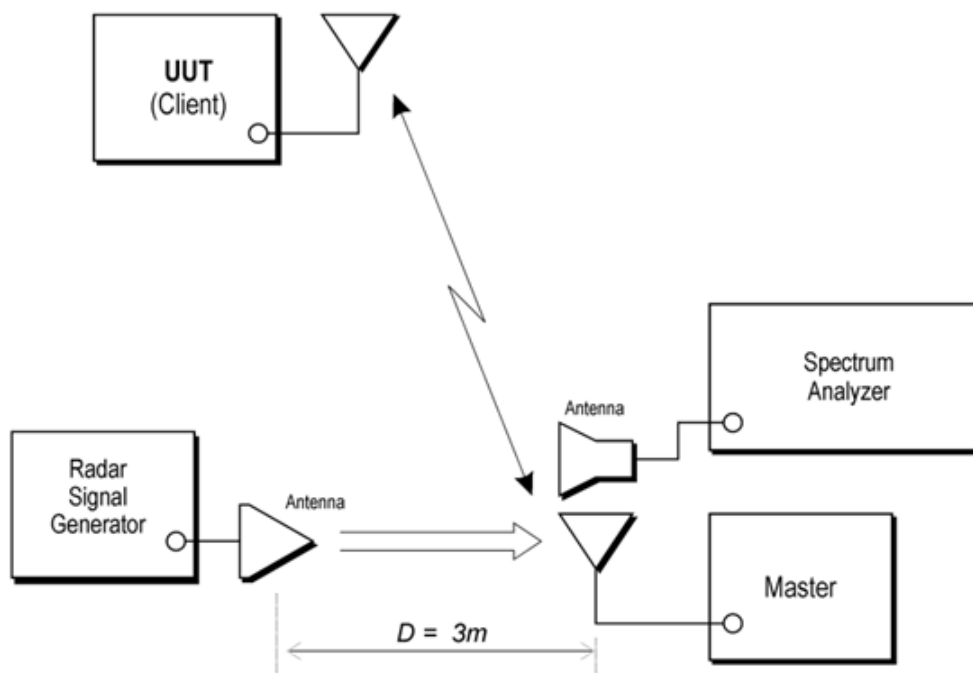
Kind of Test Site                      Shielded room

### Test Setup

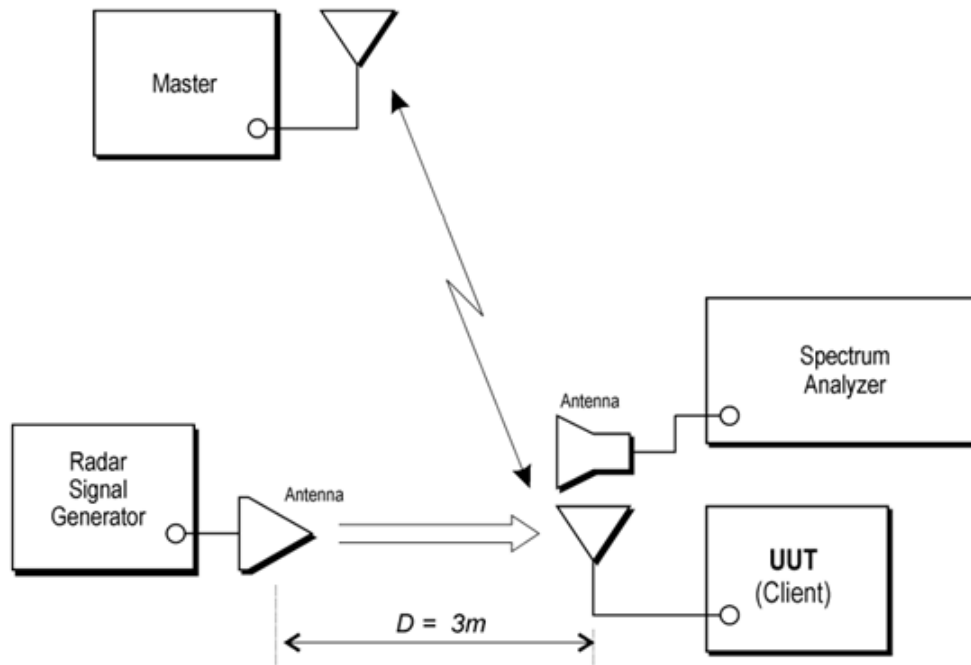
#### <Setup for Master with injection at the Master>



#### <Setup for Client with injection at the Master>



<Setup for Client with injection at the Client>



**Test Instruments**

| Kind of Equipment           | Manufacturer | Type   | S/N        | Calibration Date | Calibration Due Date | Test Date |           |
|-----------------------------|--------------|--------|------------|------------------|----------------------|-----------|-----------|
|                             |              |        |            |                  |                      | From      | Until     |
| Spectrum Analyzer           | Agilent      | N9010A | MY52221334 | 2023/3/16        | 2024/3/14            | 2023/4/26 | 2023/6/29 |
| Horn Antenna                | ETS-Lindgren | 3117   | 00218927   | 2023/1/6         | 2024/1/5             | 2023/4/26 | 2023/6/29 |
| EXG Vector Signal Generator | Agilent      | N5172B | MY61253270 | 2022/12/6        | 2023/12/5            | 2023/4/26 | 2023/6/29 |

**Requirement**

## &lt;Applicability of DFS Requirements Prior to Use of a Channel&gt;

| Requirement                              | Operational Mode |                                |                             |
|------------------------------------------|------------------|--------------------------------|-----------------------------|
|                                          | Master           | Client Without Radar Detection | Client With Radar Detection |
| <i>DFS Detection Threshold</i>           | Yes              | Not required                   | Yes                         |
| <i>Channel Closing Transmission Time</i> | Yes              | Yes                            | Yes                         |
| <i>Channel Move Time</i>                 | Yes              | Yes                            | Not required                |
| <i>U-NII Detection Bandwidth</i>         | Yes              | Not required                   | Yes                         |

## &lt;Applicability of DFS requirements during normal operation&gt;

| Requirement                              | Operational Mode                             |                                |
|------------------------------------------|----------------------------------------------|--------------------------------|
|                                          | Master Device or Client with Radar Detection | Client Without Radar Detection |
| <i>DFS Detection Threshold</i>           | Yes                                          | Not required                   |
| <i>Channel Closing Transmission Time</i> | Yes                                          | Yes                            |
| <i>Channel Move Time</i>                 | Yes                                          | Yes                            |
| <i>U-NII Detection Bandwidth</i>         | Yes                                          | Not required                   |

| Additional requirements for devices with multiple bandwidth modes  | Master Device or Client with Radar Detection | Client Without Radar Detection                       |
|--------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------|
| <i>U-NII Detection Bandwidth and Statistical Performance Check</i> | All BW modes must be tested                  | Not required                                         |
| <i>Channel Move Time and Channel Closing Transmission Time</i>     | Test using widest BW mode available          | Test using the widest BW mode available for the link |
| <i>All other tests</i>                                             | Any single BW mode                           | Not required                                         |

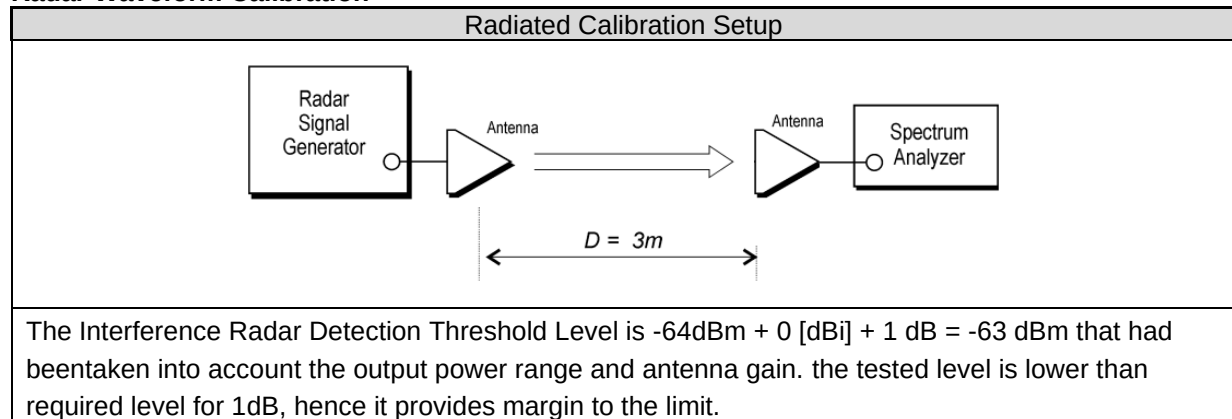
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

**Channel Loading**

|                                     |                                                                                                                                                                            |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/>            | a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode. |
| <input type="checkbox"/>            | b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.                                                                 |
| <input checked="" type="checkbox"/> | c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater.                                                    |
| <input type="checkbox"/>            | d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.                  |

## Test Procedures

### Radar Waveform Calibration



### U-NII Detection Bandwidth

- a) Adjust the equipment to produce a single Burst of the Short Pulse Radar Types 0 at the center frequency of the UUT Operating Channel at the specified DFS Detection Threshold level.
- b) Set the UUT up as a standalone device (no associated Client or Master, as appropriate) and no traffic. Frame based systems will be set to a talk/listen ratio reflecting the worst case (maximum) that is user configurable during this test.
- c) Generate a single radar Burst, and note the response of the UUT. Repeat for a minimum of 10 trials. The UUT must detect the Radar Waveform within the DFS band using the specified U-NII Detection Bandwidth criterion. In cases where the channel bandwidth may exceed past the DFS band edge on specific channels (i.e., 802.11ac or wideband frame based systems) select a channel that has the entire emission bandwidth within the DFS band. If this is not possible, test the detection BW to the DFS band edge.
- d) Starting at the center frequency of the UUT operating Channel, increase the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in this section limit. Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as  $F_H$ ) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies above  $F_H$  is not required to demonstrate compliance.
- e) Starting at the center frequency of the UUT operating Channel, decrease the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in this section limit. Repeat this measurement in 1MHz steps at frequencies 5 MHz above where the detection rate begins to fall. Record the lowest frequency (denote as  $F_L$ ) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies below  $F_L$  is not required to demonstrate compliance.
- f) The U-NII Detection Bandwidth is calculated as follows:  

$$\text{U-NII Detection Bandwidth} = F_H - F_L$$

### Channel Availability Check Time

#### <Initial Channel Availability Check Time>

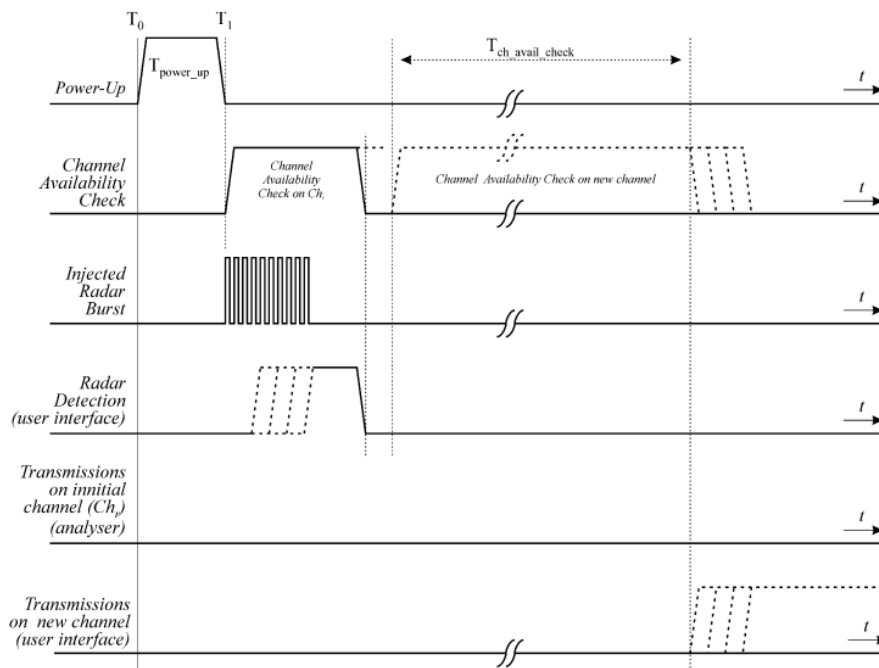
This test does not use any Radar Waveforms and only needs to be performed one time.

- The U-NII devices will be powered on and be instructed to operate on the appropriate U-NII Channel that must incorporate DFS functions. At the same time the UUT is powered on, the spectrum analyzer will be set to zero span mode with a 3 MHz RBW and 3 MHz VBW on the Channel occupied by the radar (Chr) with a 2.5 minute sweep time. The spectrum analyzer's sweep will be started at the same time power is applied to the U-NII device.
- The UUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.
- Confirm that the UUT initiates transmission on the channel.

#### < Radar Burst at the Beginning of the Channel Availability Check Time Measurement>

The steps below define the procedure to verify successful radar detection on the test Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the beginning of the Channel Availability Check Time.

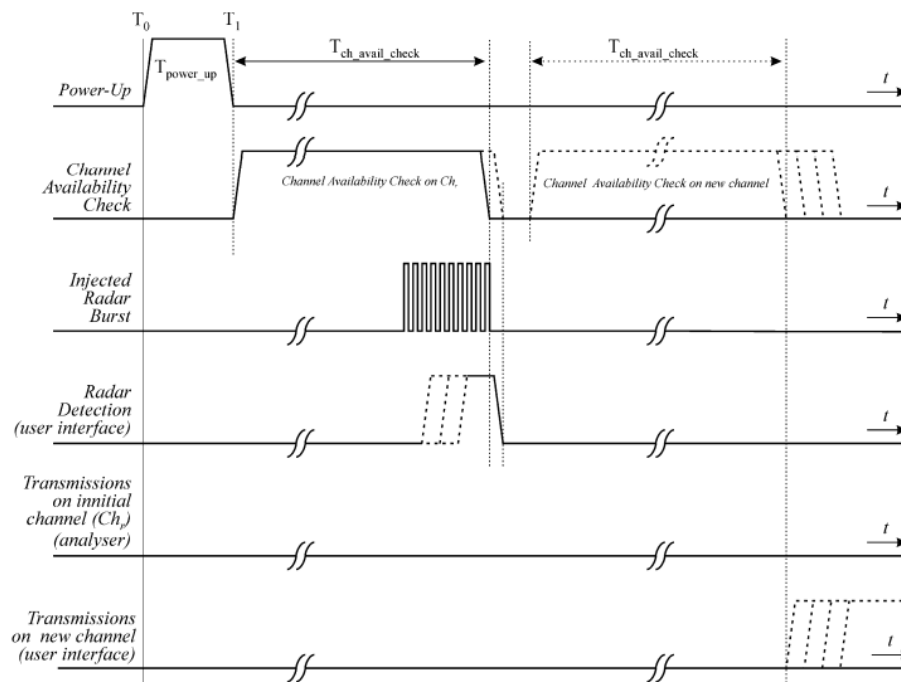
- The UUT is powered on at  $T_0$ .  $T_1$  denotes the instant when the UUT has completed its power-up sequence ( $T_{\text{power\_up}}$ ). The Channel Availability Check Time commences on Chr at instant  $T_1$  and will end no sooner than  $T_1 + T_{\text{ch\_avail\_check}}$ .
- A single Burst of one of the Short Pulse Radar Types 0-4 will commence within a 6 second window starting at  $T_1$ . An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- Visual indication or measured results on the UUT of successful detection of the radar Burst will be recorded and reported. Observation of Chr for UUT emissions will continue for 2.5 minutes after the radar Burst has been generated.
- Verify that during the 2.5 minute measurement window no UUT transmissions occurred on Chr. The Channel Availability Check results will be recorded.



### < Radar Burst at the End of the Channel Availability Check Time >

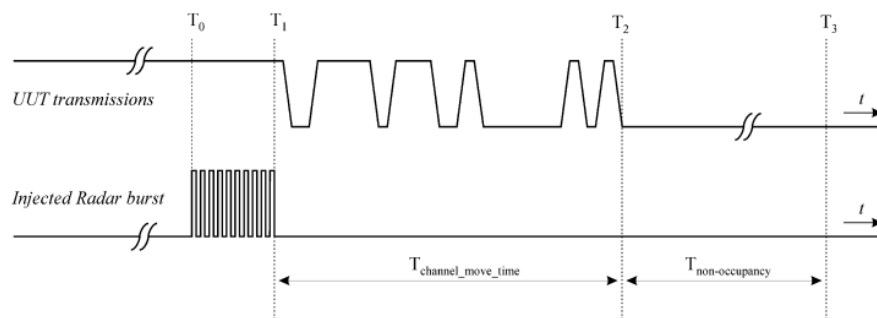
The steps below define the procedure to verify successful radar detection on the test Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1dB occurs at the end of the Channel Availability Check Time.

- The UUT is powered on at  $T_0$ .  $T_1$  denotes the instant when the UUT has completed its power-up sequence ( $T_{\text{power\_up}}$ ). The Channel Availability Check Time commences on Chr at instant  $T_1$  and will end no sooner than  $T_1 + T_{\text{ch\_avail\_check}}$ .
- A single Burst of one of the Short Pulse Radar Types 0-4 will commence within a 6 second window starting at  $T_1 + 54$  seconds. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- Visual indication or measured results on the UUT of successful detection of the radar Burst will be recorded and reported. Observation of Chr for UUT emissions will continue for 2.5 minutes after the radar Burst has been generated.
- Verify that during the 2.5 minute measurement window no UUT transmissions occurred on Chr. The Channel Availability Check results will be recorded.



### In-service Monitoring

- One frequency will be chosen from the Operating Channels of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected.
- In case the UUT is a U-NII device operating as a Client Device (with or without DFS), a U-NII device operating as a Master Device will be used to allow the UUT (Client device) to Associate with the Master Device. In case the UUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will *Associate* with the UUT (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
- Stream the channel loading test file from the Master Device to the Client Device on the test Channel for the entire period of the test.
- At time  $T_0$  the Radar Waveform generator sends a Burst of pulses for one of the Radar Type 0 at levels defined, on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- Observe the transmissions of the UUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). Measure and record the Channel Move Time and Channel Closing Transmission Time if radar detection occurs.
- When operating as a Master Device, monitor the UUT for more than 30 minutes following instant  $T_2$  to verify that the UUT does not resume any transmissions on this Channel. Perform this test once and record the measurement result.
- In case the UUT is a U-NII device operating as a Client Device with In-Service Monitoring, perform steps a) to f).



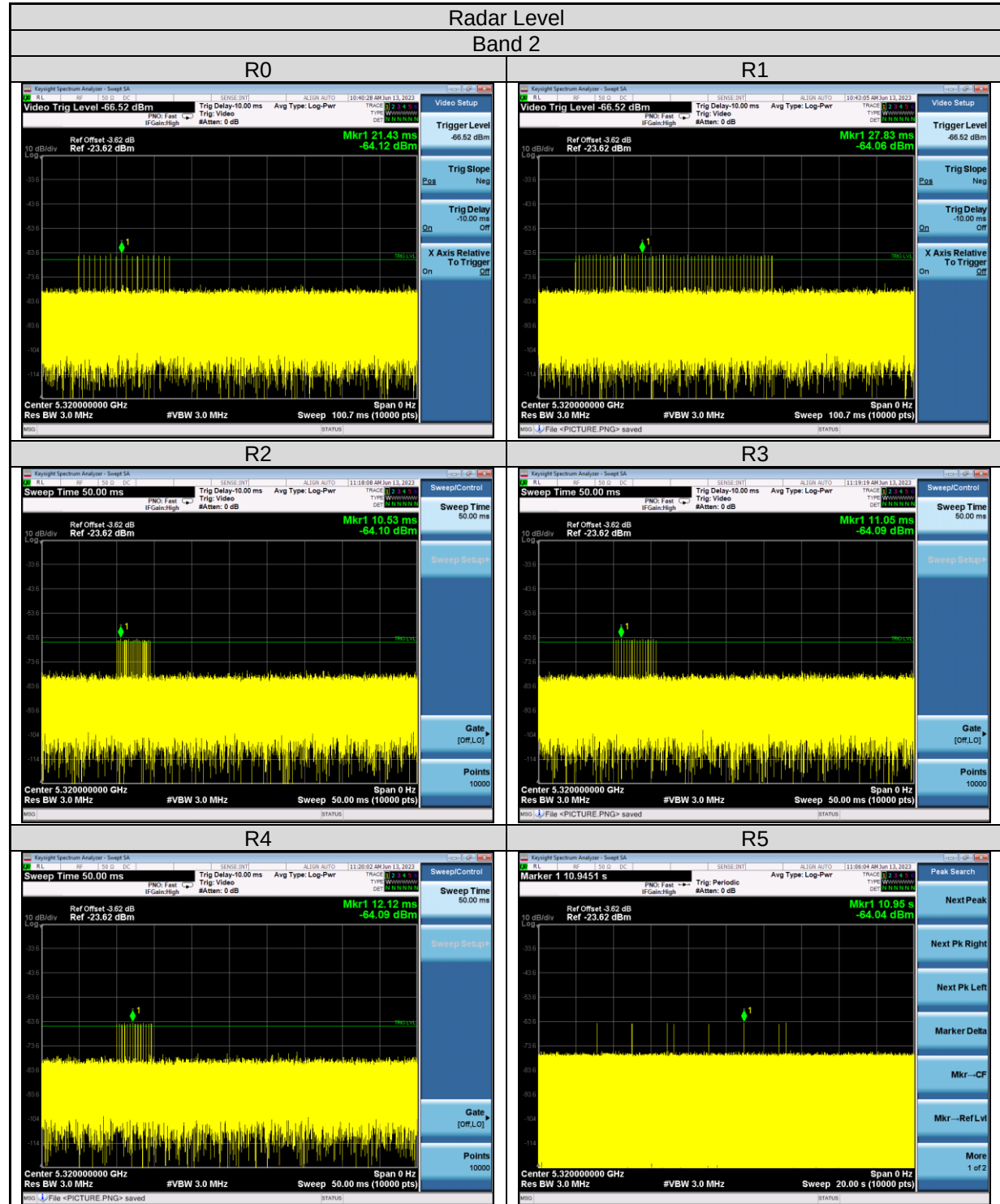


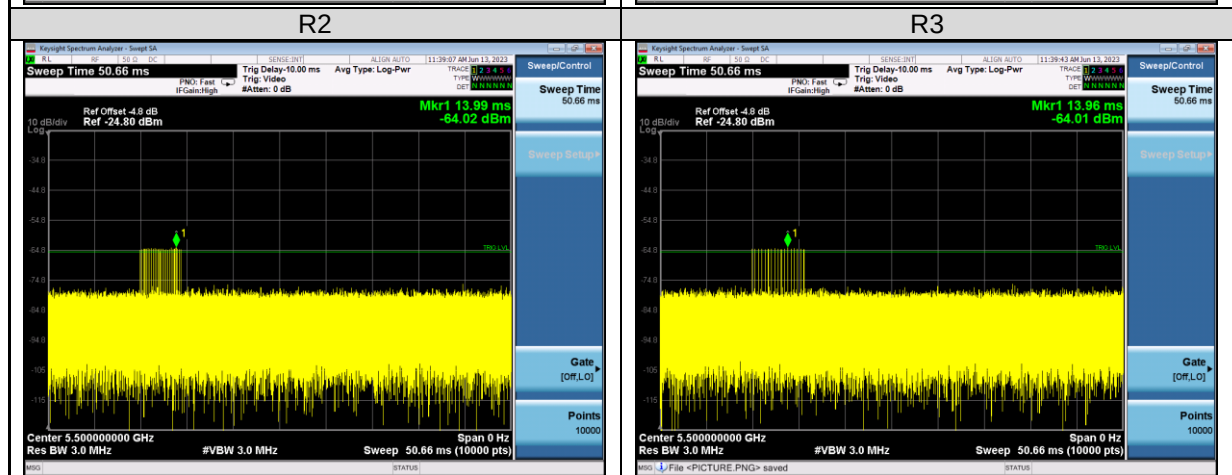
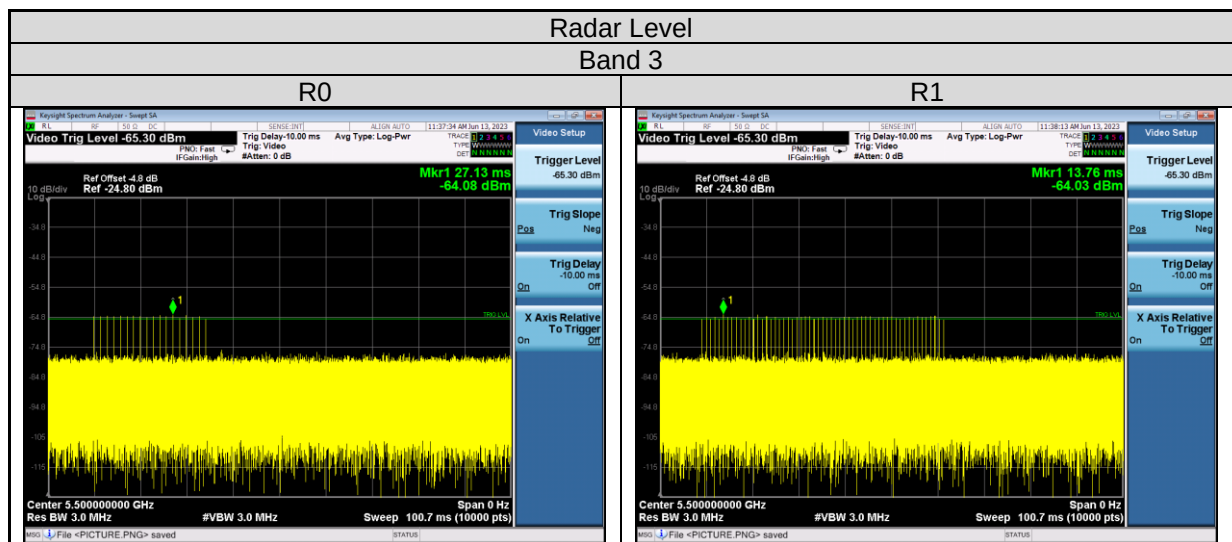
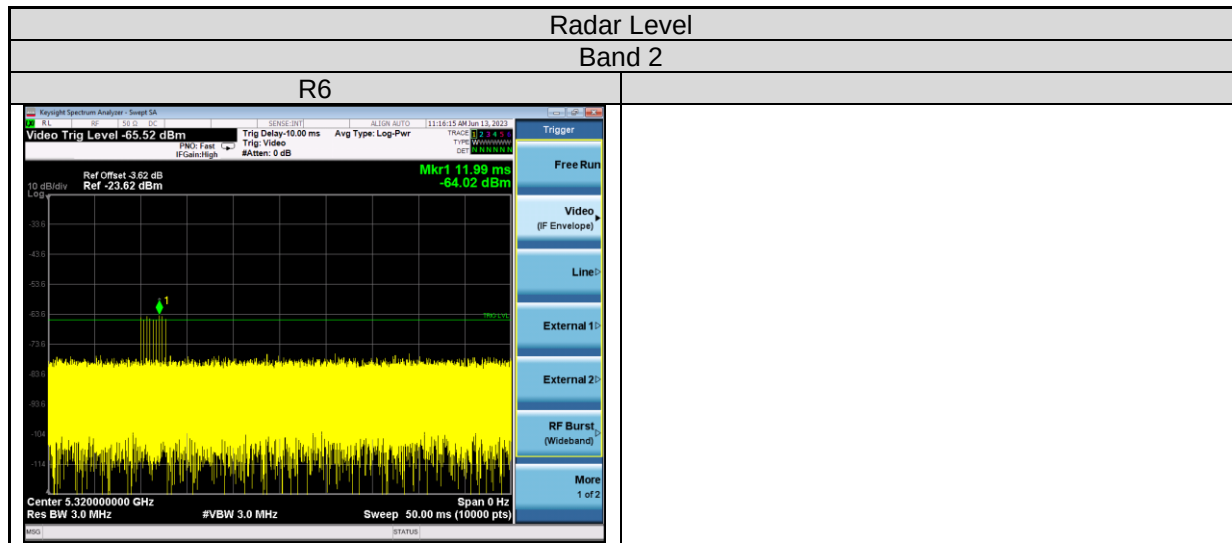
**Statistical Performance Check**

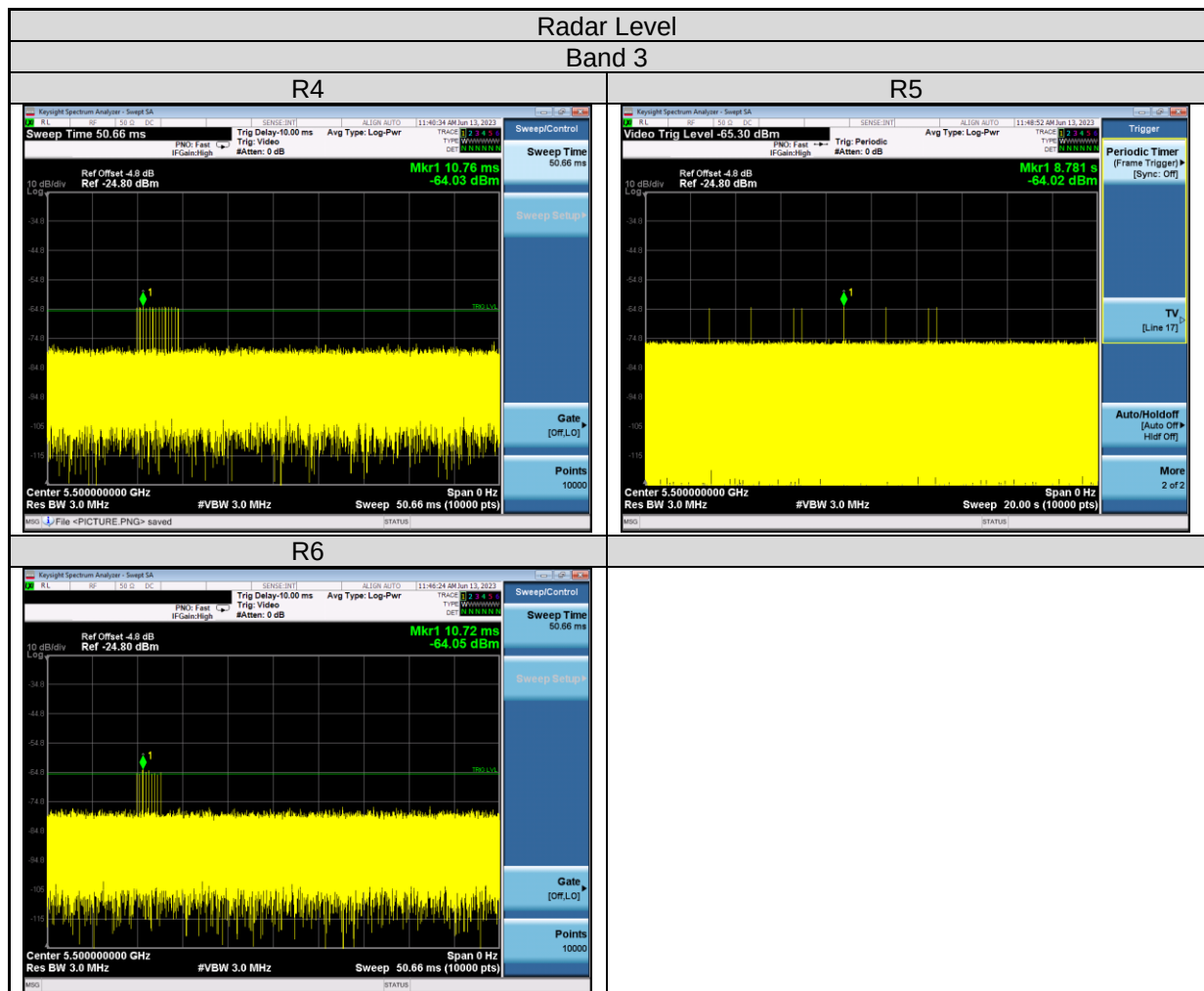
- a) One frequency will be chosen from the Operating Channels of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands.
- b) In case the UUT is a U-NII device operating as a Client Device (with or without Radar Detection), a U-NII device operating as a Master Device will be used to allow the UUT (Client device) to Associate with the Master Device. In case the UUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will Associate with the UUT (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
- c) The TCP or UDP protocol unicast data stream was generated by the throughput software command line with at least 17% activity ratio over any 100ms period. Stream the channel loading traffic from the Master Device to the Client Device on the test Channel for the entire period of the test.
- d) At time T0 the Radar Waveform generator sends the individual waveform for each of the Radar Types 1- 6, at DFS Detection Threshold level on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- e) Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Short Pulse Radar Types 0 to ensure detection occurs.
- f) Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs.
- g) In case the UUT is a U-NII device operating as a Client Device with In-Service Monitoring, perform steps a) to f).

## Test Results

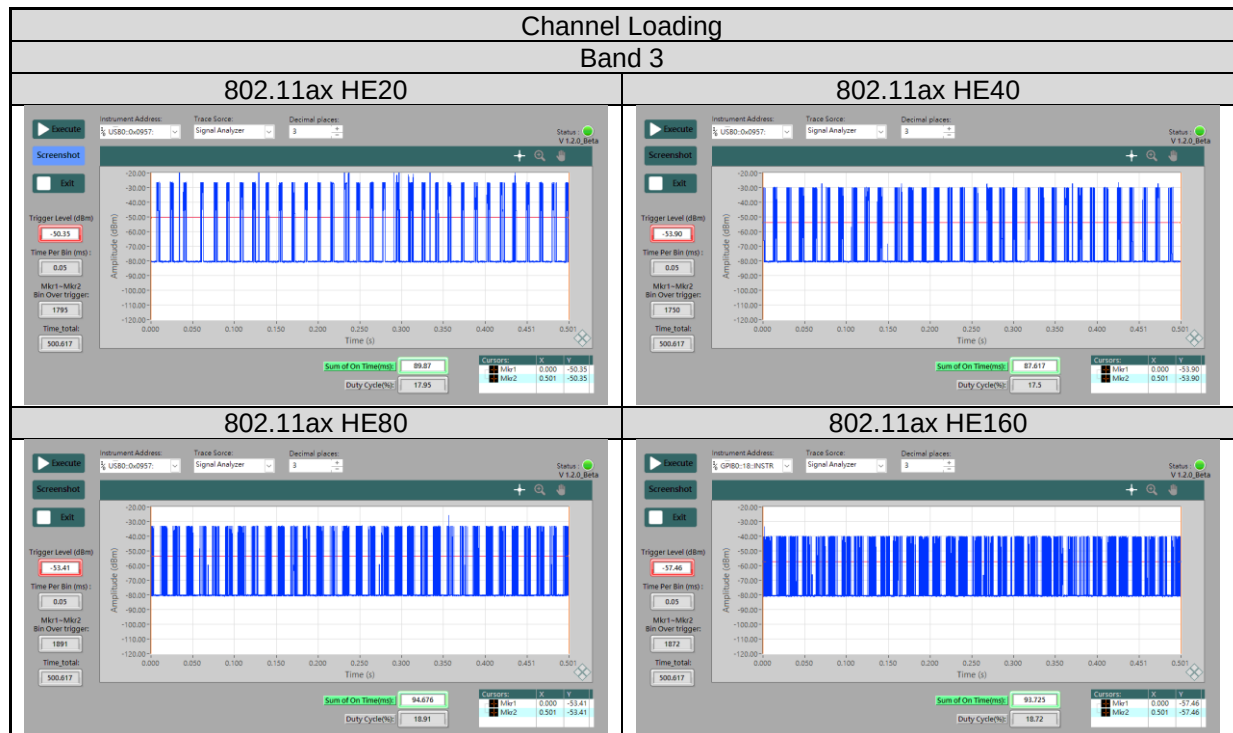
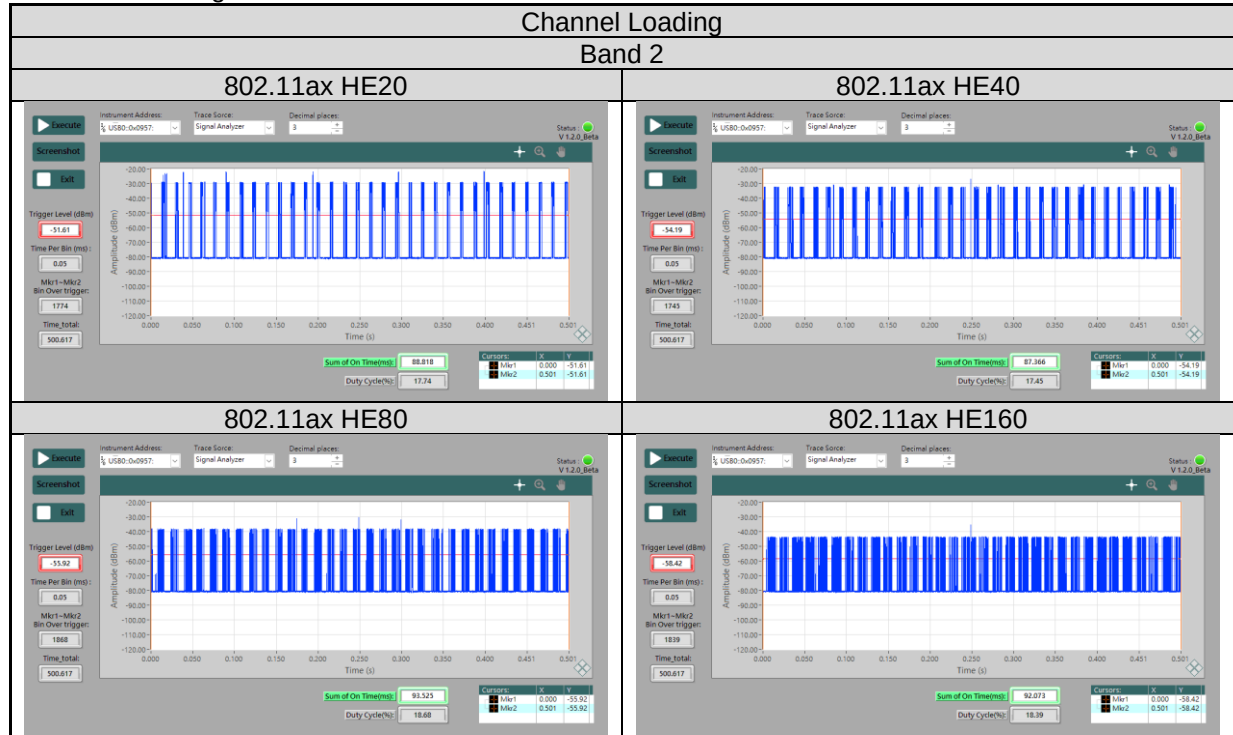
<Radar Waveform calibration>







<Channel Loading>



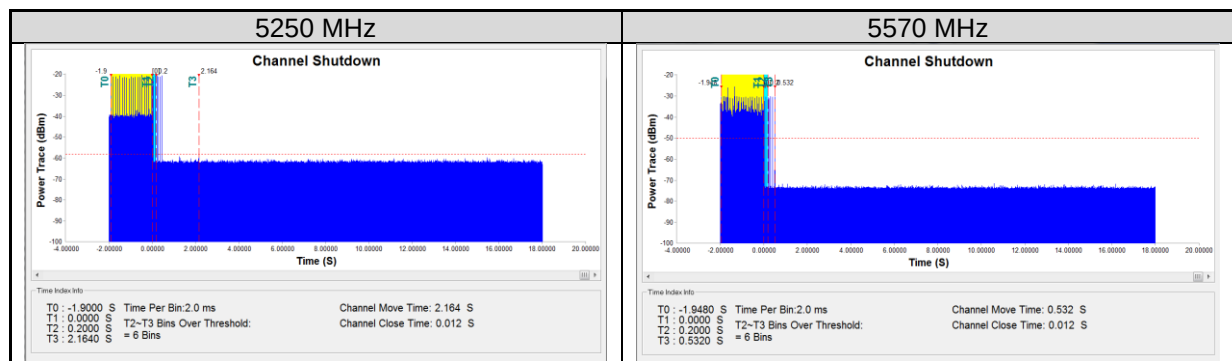
**<802.11ax HE160>**

## Channel Moving Time (CMT):

| Radar Type | Channel (MHz) | Channel Move Time (s) | Limit (s) | Result |
|------------|---------------|-----------------------|-----------|--------|
| R0         | 5250          | 2.164                 | 10        | Pass   |
| R0         | 5570          | 0.532                 | 10        | Pass   |

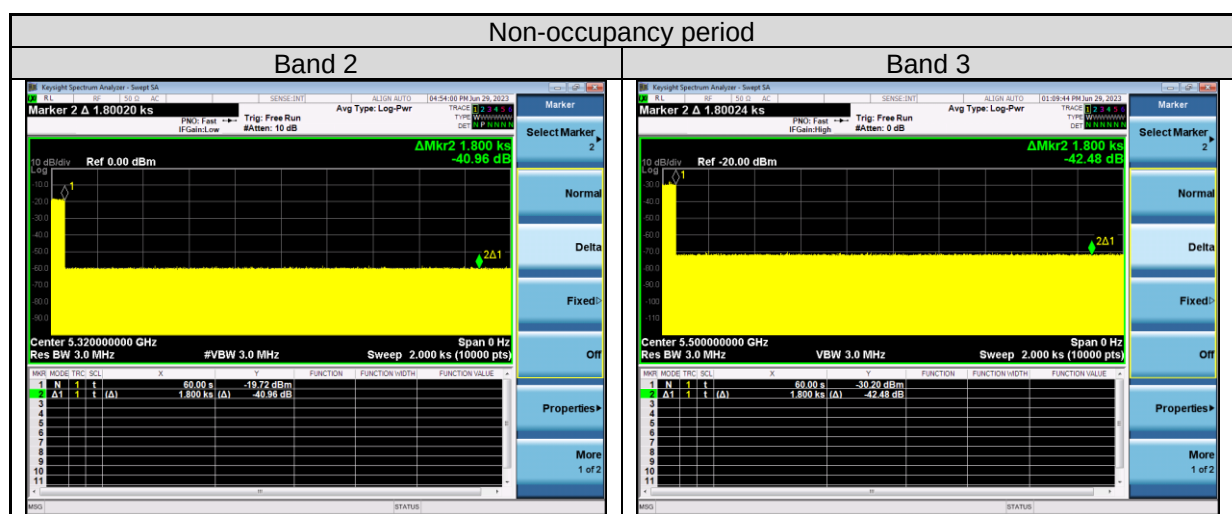
## Channel Closing Transmission Time (CCTT):

| Radar Type | Channel (MHz) | Channel Closing Transmission Time (s) | Limit (ms) | Result |
|------------|---------------|---------------------------------------|------------|--------|
| R0         | 5250          | 0.012                                 | < 60       | Pass   |
| R0         | 5570          | 0.012                                 | < 60       | Pass   |



## Non-occupancy period

| Band           | Channel (MHz) | Limit (minute) | Result |
|----------------|---------------|----------------|--------|
| 802.11ax HE160 | 5320          | ≥ 30           | Pass   |
| 802.11ax HE160 | 5500          | ≥ 30           | Pass   |



<802.11ax HE160>

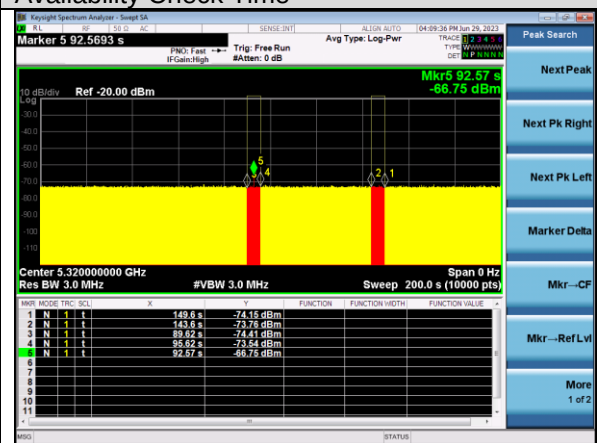
Channel Availability Check Time

Band 2

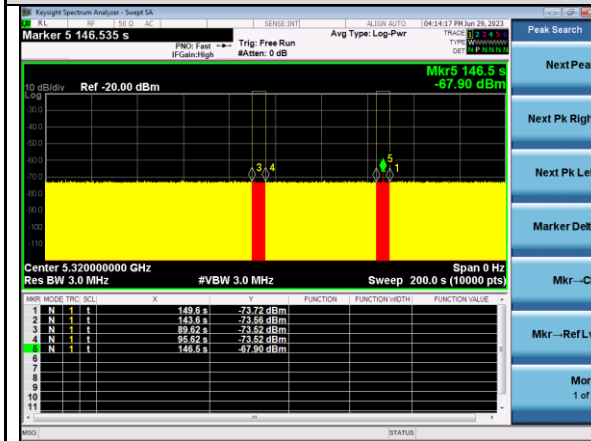
Initial Channel Availability Check Time



Radar Burst at the beginning of Channel Availability Check Time



Radar Burst at the end of Channel Availability Check Time



<802.11ax HE160>

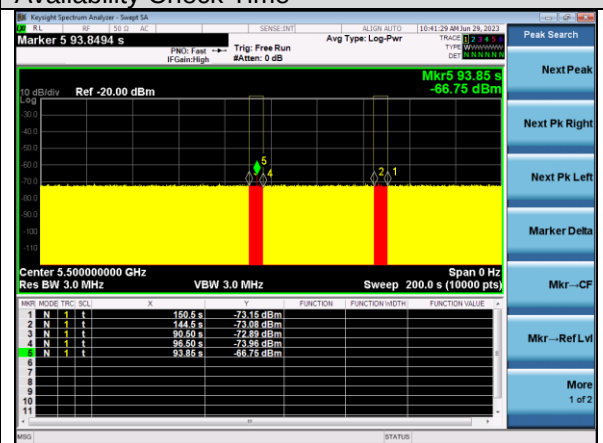
Channel Availability Check Time

Band 3

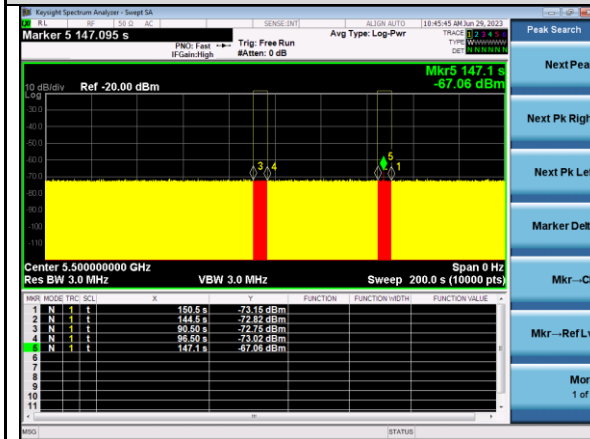
Initial Channel Availability Check Time



Radar Burst at the beginning of Channel Availability Check Time



Radar Burst at the end of Channel Availability Check Time





### <U-NII Detection Bandwidth>

| 20 MHz Signal Bandwidth                                          |                                                         |   |   |   |   |   |   |   |   |    |                    |
|------------------------------------------------------------------|---------------------------------------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| EUT Frequency = 5320MHz                                          |                                                         |   |   |   |   |   |   |   |   |    |                    |
| Radar Frequency (MHz)                                            | DFS Detection Trials (1=Detection, Blank= No Detection) |   |   |   |   |   |   |   |   |    |                    |
|                                                                  | 1                                                       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5309                                                             | 0                                                       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0%                 |
| 5310(FL)                                                         | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5311                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5312                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5313                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5314                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5315                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5316                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5317                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5318                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5319                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5320                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5321                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5322                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5323                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5324                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5325                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5326                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5327                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5328                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5329                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5330(FH)                                                         | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5331                                                             | 0                                                       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0%                 |
| 20 MHz Detection Bandwidth = Fh - Fl = 5330MHz - 5310MHz = 20MHz |                                                         |   |   |   |   |   |   |   |   |    |                    |
| EUT 99% Bandwidth = 18.97MHz                                     |                                                         |   |   |   |   |   |   |   |   |    |                    |

| 20 MHz Signal Bandwidth                                          |                                                         |   |   |   |   |   |   |   |   |    |                    |
|------------------------------------------------------------------|---------------------------------------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| EUT Frequency = 5500MHz                                          |                                                         |   |   |   |   |   |   |   |   |    |                    |
| Radar Frequency (MHz)                                            | DFS Detection Trials (1=Detection, Blank= No Detection) |   |   |   |   |   |   |   |   |    |                    |
|                                                                  | 1                                                       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5489                                                             | 0                                                       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0%                 |
| 5490(FL)                                                         | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5491                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5492                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5493                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5494                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5495                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5496                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5497                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5498                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1  | 90%                |
| 5499                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5500                                                             | 1                                                       | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 90%                |
| 5501                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5502                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5503                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5504                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5505                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5506                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5507                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5508                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5509                                                             | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5510(FH)                                                         | 1                                                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100%               |
| 5511                                                             | 0                                                       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0%                 |
| 20 MHz Detection Bandwidth = Fh - Fl = 5510MHz - 5490MHz = 20MHz |                                                         |   |   |   |   |   |   |   |   |    |                    |
| EUT 99% Bandwidth = 18.98MHz                                     |                                                         |   |   |   |   |   |   |   |   |    |                    |

[illegible]

EUT 99% Bandwidth = 38.35MHz

[illegible]

|                                                                  |   |   |   |   |   |   |   |   |   |   |      |
|------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|------|
| 5524                                                             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100% |
| 5525                                                             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100% |
| 5526                                                             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100% |
| 5527                                                             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100% |
| 5528                                                             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100% |
| 5529                                                             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100% |
| 5530(FH)                                                         | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100% |
| 5531                                                             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0%   |
| 40 MHz Detection Bandwidth = Fh - Fl = 5530MHz - 5490MHz = 40MHz |   |   |   |   |   |   |   |   |   |   |      |
| EUT 99% Bandwidth = 38.31MHz                                     |   |   |   |   |   |   |   |   |   |   |      |

[illegible]

[illegible]



|          |   |   |   |   |   |   |   |   |   |   |      |
|----------|---|---|---|---|---|---|---|---|---|---|------|
| 5326     | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100% |
| 5327     | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100% |
| 5328     | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100% |
| 5329     | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 90%  |
| 5330(FH) | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 90%  |
| 5331     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0%   |

80 MHz Detection Bandwidth =  $F_h - F_l = 5330\text{MHz} - 5250\text{MHz} = 80\text{MHz}$

EUT 99% Bandwidth = 77.41MHz

[illegible]

[illegible]

EUT 99% Bandwidth = 77.61MHz

[illegible]

[illegible]

[illegible]

[illegible]



Band 2 99% Bandwidth for EUT = 76.72MHz

[illegible]

[illegible]

[illegible]

[illegible]

|                                                                    |   |   |   |   |   |   |   |   |   |   |      |
|--------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|------|
| 5648                                                               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100% |
| 5649                                                               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100% |
| 5650(HF)                                                           | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 90%  |
| 5651                                                               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0%   |
| 160 MHz Detection Bandwidth = Fh - Fl = 5650MHz - 5490MHz = 160MHz |   |   |   |   |   |   |   |   |   |   |      |
| EUT 99% Bandwidth = 155.5MHz                                       |   |   |   |   |   |   |   |   |   |   |      |

**<Statistical Performance Check>****Modulation Mode: 802.11ax HE20 (Band 2)**

| Radar Type | Number of Trials | Number of Successful Detections | Probability | Limit | Result |
|------------|------------------|---------------------------------|-------------|-------|--------|
| 1          | 30               | 30                              | 100%        | 60%   | Pass   |
| 2          | 30               | 30                              | 100%        | 60%   | Pass   |
| 3          | 30               | 24                              | 80%         | 60%   | Pass   |
| 4          | 30               | 22                              | 73%         | 60%   | Pass   |
| Average    |                  |                                 | 88%         | 80%   | Pass   |
| 5          | 30               | 30                              | 100%        | 80%   | Pass   |
| 6          | 30               | 30                              | 100%        | 70%   | Pass   |

**Type 1 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 938      | 57               | 53466               | 1                                 |
| 2                    | 1                | 698      | 76               | 53048               | 1                                 |
| 3                    | 1                | 618      | 86               | 53148               | 1                                 |
| 4                    | 1                | 538      | 99               | 53262               | 1                                 |
| 5                    | 1                | 878      | 61               | 53558               | 1                                 |
| 6                    | 1                | 3066     | 18               | 55188               | 1                                 |
| 7                    | 1                | 638      | 83               | 52954               | 1                                 |
| 8                    | 1                | 918      | 58               | 53244               | 1                                 |
| 9                    | 1                | 838      | 63               | 52794               | 1                                 |
| 10                   | 1                | 858      | 62               | 53196               | 1                                 |
| 11                   | 1                | 798      | 67               | 53466               | 1                                 |
| 12                   | 1                | 718      | 74               | 53132               | 1                                 |
| 13                   | 1                | 578      | 92               | 53176               | 1                                 |
| 14                   | 1                | 598      | 89               | 53222               | 1                                 |
| 15                   | 1                | 558      | 95               | 53010               | 1                                 |
| 16                   | 1                | 2536     | 21               | 53256               | 1                                 |
| 17                   | 1                | 966      | 55               | 53130               | 1                                 |
| 18                   | 1                | 827      | 64               | 52928               | 1                                 |
| 19                   | 1                | 2501     | 22               | 55022               | 1                                 |
| 20                   | 1                | 2595     | 21               | 54495               | 1                                 |
| 21                   | 1                | 1114     | 48               | 53472               | 1                                 |
| 22                   | 1                | 1302     | 41               | 53382               | 1                                 |
| 23                   | 1                | 3045     | 18               | 54810               | 1                                 |
| 24                   | 1                | 1624     | 33               | 53592               | 1                                 |
| 25                   | 1                | 2878     | 19               | 54682               | 1                                 |
| 26                   | 1                | 1027     | 52               | 53404               | 1                                 |
| 27                   | 1                | 2485     | 22               | 54670               | 1                                 |
| 28                   | 1                | 1600     | 33               | 52800               | 1                                 |
| 29                   | 1                | 1172     | 46               | 53912               | 1                                 |
| 30                   | 1                | 1177     | 45               | 52965               | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 100%                              |



**Type 2 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 3.2              | 179      | 26               | 4654                | 1                                 |
| 2                    | 1.1              | 207      | 23               | 4761                | 1                                 |
| 3                    | 2.1              | 230      | 24               | 5520                | 1                                 |
| 4                    | 4.8              | 200      | 29               | 5800                | 1                                 |
| 5                    | 3.9              | 214      | 28               | 5992                | 1                                 |
| 6                    | 2.9              | 222      | 26               | 5772                | 1                                 |
| 7                    | 3.2              | 204      | 26               | 5304                | 1                                 |
| 8                    | 2.5              | 192      | 25               | 4800                | 1                                 |
| 9                    | 3.1              | 164      | 26               | 4264                | 1                                 |
| 10                   | 1.2              | 156      | 23               | 3588                | 1                                 |
| 11                   | 3.9              | 210      | 27               | 5670                | 1                                 |
| 12                   | 4.6              | 201      | 29               | 5829                | 1                                 |
| 13                   | 3.2              | 162      | 26               | 4212                | 1                                 |
| 14                   | 2.2              | 197      | 25               | 4925                | 1                                 |
| 15                   | 4.5              | 163      | 29               | 4727                | 1                                 |
| 16                   | 3                | 203      | 26               | 5278                | 1                                 |
| 17                   | 5                | 168      | 29               | 4872                | 1                                 |
| 18                   | 2.4              | 217      | 25               | 5425                | 1                                 |
| 19                   | 2.9              | 191      | 26               | 4966                | 1                                 |
| 20                   | 2.3              | 166      | 25               | 4150                | 1                                 |
| 21                   | 3.7              | 150      | 27               | 4050                | 1                                 |
| 22                   | 2.2              | 176      | 25               | 4400                | 1                                 |
| 23                   | 4.9              | 195      | 29               | 5655                | 1                                 |
| 24                   | 2.9              | 202      | 26               | 5252                | 1                                 |
| 25                   | 2.5              | 178      | 25               | 4450                | 1                                 |
| 26                   | 1.1              | 206      | 23               | 4738                | 1                                 |
| 27                   | 3.8              | 155      | 27               | 4185                | 1                                 |
| 28                   | 4.7              | 157      | 29               | 4553                | 1                                 |
| 29                   | 2.4              | 224      | 25               | 5600                | 1                                 |
| 30                   | 4.2              | 159      | 28               | 4452                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 100%                              |

**Type 3 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 8.2              | 355      | 17               | 6035                | 1                                 |
| 2                    | 6.1              | 487      | 16               | 7792                | 1                                 |
| 3                    | 7.1              | 344      | 16               | 5504                | 0                                 |
| 4                    | 9.8              | 288      | 18               | 5184                | 1                                 |
| 5                    | 8.9              | 230      | 18               | 4140                | 1                                 |
| 6                    | 7.9              | 432      | 17               | 7344                | 1                                 |
| 7                    | 8.2              | 207      | 17               | 3519                | 1                                 |
| 8                    | 7.5              | 443      | 17               | 7531                | 0                                 |
| 9                    | 8.1              | 439      | 17               | 7463                | 1                                 |
| 10                   | 6.2              | 223      | 16               | 3568                | 1                                 |
| 11                   | 8.9              | 208      | 18               | 3744                | 1                                 |
| 12                   | 9.6              | 463      | 18               | 8334                | 1                                 |
| 13                   | 8.2              | 441      | 17               | 7497                | 1                                 |
| 14                   | 7.2              | 323      | 16               | 5168                | 0                                 |
| 15                   | 9.5              | 297      | 18               | 5346                | 1                                 |
| 16                   | 8                | 412      | 17               | 7004                | 1                                 |
| 17                   | 10               | 324      | 18               | 5832                | 1                                 |
| 18                   | 7.4              | 271      | 17               | 4607                | 1                                 |
| 19                   | 7.9              | 349      | 17               | 5933                | 1                                 |
| 20                   | 7.3              | 409      | 16               | 6544                | 0                                 |
| 21                   | 8.7              | 373      | 18               | 6714                | 1                                 |
| 22                   | 7.2              | 254      | 16               | 4064                | 1                                 |
| 23                   | 9.9              | 274      | 18               | 4932                | 1                                 |
| 24                   | 7.9              | 278      | 17               | 4726                | 1                                 |
| 25                   | 7.5              | 317      | 17               | 5389                | 1                                 |
| 26                   | 6.1              | 260      | 16               | 4160                | 0                                 |
| 27                   | 8.8              | 211      | 18               | 3798                | 1                                 |
| 28                   | 9.7              | 272      | 18               | 4896                | 1                                 |
| 29                   | 7.4              | 264      | 17               | 4488                | 0                                 |
| 30                   | 9.2              | 284      | 18               | 5112                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 80%                               |

**Type 4 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 16               | 355      | 14               | 4970                | 0                                 |
| 2                    | 11.3             | 487      | 12               | 5844                | 1                                 |
| 3                    | 13.5             | 344      | 13               | 4472                | 1                                 |
| 4                    | 19.4             | 288      | 16               | 4608                | 1                                 |
| 5                    | 17.5             | 230      | 15               | 3450                | 1                                 |
| 6                    | 15.3             | 432      | 14               | 6048                | 0                                 |
| 7                    | 15.9             | 207      | 14               | 2898                | 1                                 |
| 8                    | 14.3             | 443      | 13               | 5759                | 0                                 |
| 9                    | 15.8             | 439      | 14               | 6146                | 1                                 |
| 10                   | 11.5             | 223      | 12               | 2676                | 1                                 |
| 11                   | 17.4             | 208      | 15               | 3120                | 1                                 |
| 12                   | 19               | 463      | 16               | 7408                | 1                                 |
| 13                   | 16               | 441      | 14               | 6174                | 0                                 |
| 14                   | 13.8             | 323      | 13               | 4199                | 0                                 |
| 15                   | 18.9             | 297      | 16               | 4752                | 1                                 |
| 16                   | 15.5             | 412      | 14               | 5768                | 1                                 |
| 17                   | 19.9             | 324      | 16               | 5184                | 0                                 |
| 18                   | 14.1             | 271      | 13               | 3523                | 1                                 |
| 19                   | 15.2             | 349      | 14               | 4886                | 1                                 |
| 20                   | 13.8             | 409      | 13               | 5317                | 1                                 |
| 21                   | 17.1             | 373      | 15               | 5595                | 1                                 |
| 22                   | 13.8             | 254      | 13               | 3302                | 1                                 |
| 23                   | 19.8             | 274      | 16               | 4384                | 1                                 |
| 24                   | 15.3             | 278      | 14               | 3892                | 0                                 |
| 25                   | 14.5             | 317      | 13               | 4121                | 0                                 |
| 26                   | 11.3             | 260      | 12               | 3120                | 1                                 |
| 27                   | 17.3             | 211      | 15               | 3165                | 1                                 |
| 28                   | 19.2             | 272      | 16               | 4352                | 1                                 |
| 29                   | 14.2             | 264      | 13               | 3432                | 1                                 |
| 30                   | 18.2             | 284      | 15               | 4260                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 73%                               |

**Type 5 Radar Statistical Performance**

| Trial Number         | Number of Bursts | Burst Period(s) | Waveform Length(s) | Center Frequency (GHz) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|-----------------|--------------------|------------------------|-----------------------------------|
| 1                    | 15               | 0.8             | 12                 | 5.32                   | 1                                 |
| 2                    | 8                | 1.5             | 12                 | 5.32                   | 1                                 |
| 3                    | 11               | 1.0909091       | 12                 | 5.32                   | 1                                 |
| 4                    | 20               | 0.6             | 12                 | 5.32                   | 1                                 |
| 5                    | 17               | 0.7058824       | 12                 | 5.32                   | 1                                 |
| 6                    | 14               | 0.8571429       | 12                 | 5.32                   | 1                                 |
| 7                    | 15               | 0.8             | 12                 | 5.32                   | 1                                 |
| 8                    | 12               | 1               | 12                 | 5.32                   | 1                                 |
| 9                    | 14               | 0.8571429       | 12                 | 5.32                   | 1                                 |
| 10                   | 8                | 1.5             | 12                 | 5.32                   | 1                                 |
| 11                   | 17               | 0.7058824       | 12                 | 5.317                  | 1                                 |
| 12                   | 19               | 0.6315789       | 12                 | 5.318                  | 1                                 |
| 13                   | 15               | 0.8             | 12                 | 5.315                  | 1                                 |
| 14                   | 12               | 1               | 12                 | 5.314                  | 1                                 |
| 15                   | 19               | 0.6315789       | 12                 | 5.317                  | 1                                 |
| 16                   | 14               | 0.8571429       | 12                 | 5.315                  | 1                                 |
| 17                   | 20               | 0.6             | 12                 | 5.318                  | 1                                 |
| 18                   | 12               | 1               | 12                 | 5.314                  | 1                                 |
| 19                   | 14               | 0.8571429       | 12                 | 5.315                  | 1                                 |
| 20                   | 12               | 1               | 12                 | 5.314                  | 1                                 |
| 21                   | 16               | 0.75            | 12                 | 5.324                  | 1                                 |
| 22                   | 12               | 1               | 12                 | 5.326                  | 1                                 |
| 23                   | 20               | 0.6             | 12                 | 5.322                  | 1                                 |
| 24                   | 14               | 0.8571429       | 12                 | 5.325                  | 1                                 |
| 25                   | 13               | 0.9230769       | 12                 | 5.325                  | 1                                 |
| 26                   | 8                | 1.5             | 12                 | 5.328                  | 1                                 |
| 27                   | 17               | 0.7058824       | 12                 | 5.323                  | 1                                 |
| 28                   | 19               | 0.6315789       | 12                 | 5.322                  | 1                                 |
| 29                   | 12               | 1               | 12                 | 5.326                  | 1                                 |
| 30                   | 18               | 0.6666667       | 12                 | 5.323                  | 1                                 |
| Detection Percentage |                  |                 |                    | Limit >80%             | 100%                              |

**Note:** Type 5 radar parameter data sheet, please refer to Appendix C

**Type 6 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 2                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 3                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 4                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 5                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 6                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 7                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 8                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 9                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 10                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 11                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 12                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 13                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 14                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 15                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 16                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 17                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 18                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 19                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 20                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 21                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 22                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 23                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 24                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 25                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 26                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 27                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 28                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 29                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 30                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| Detection Percentage |                  |          |                  | Limit >70%          | 100%                              |

**Modulation Mode: 802.11ax HE20 (Band 3)**

| Radar Type | Number of Trials | Number of Successful Detections | Probability | Limit | Result |
|------------|------------------|---------------------------------|-------------|-------|--------|
| 1          | 30               | 29                              | 97%         | 60%   | Pass   |
| 2          | 30               | 27                              | 90%         | 60%   | Pass   |
| 3          | 30               | 25                              | 83%         | 60%   | Pass   |
| 4          | 30               | 23                              | 77%         | 60%   | Pass   |
| Average    |                  |                                 | 87%         | 80%   | Pass   |
| 5          | 30               | 29                              | 97%         | 80%   | Pass   |
| 6          | 30               | 30                              | 100%        | 70%   | Pass   |

**Type 1 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 938      | 57               | 53466               | 1                                 |
| 2                    | 1                | 698      | 76               | 53048               | 1                                 |
| 3                    | 1                | 618      | 86               | 53148               | 1                                 |
| 4                    | 1                | 538      | 99               | 53262               | 1                                 |
| 5                    | 1                | 878      | 61               | 53558               | 1                                 |
| 6                    | 1                | 3066     | 18               | 55188               | 1                                 |
| 7                    | 1                | 638      | 83               | 52954               | 1                                 |
| 8                    | 1                | 918      | 58               | 53244               | 1                                 |
| 9                    | 1                | 838      | 63               | 52794               | 0                                 |
| 10                   | 1                | 858      | 62               | 53196               | 1                                 |
| 11                   | 1                | 798      | 67               | 53466               | 1                                 |
| 12                   | 1                | 718      | 74               | 53132               | 1                                 |
| 13                   | 1                | 578      | 92               | 53176               | 1                                 |
| 14                   | 1                | 598      | 89               | 53222               | 1                                 |
| 15                   | 1                | 558      | 95               | 53010               | 1                                 |
| 16                   | 1                | 2536     | 21               | 53256               | 1                                 |
| 17                   | 1                | 966      | 55               | 53130               | 1                                 |
| 18                   | 1                | 827      | 64               | 52928               | 1                                 |
| 19                   | 1                | 2501     | 22               | 55022               | 1                                 |
| 20                   | 1                | 2595     | 21               | 54495               | 1                                 |
| 21                   | 1                | 1114     | 48               | 53472               | 1                                 |
| 22                   | 1                | 1302     | 41               | 53382               | 1                                 |
| 23                   | 1                | 3045     | 18               | 54810               | 1                                 |
| 24                   | 1                | 1624     | 33               | 53592               | 1                                 |
| 25                   | 1                | 2878     | 19               | 54682               | 1                                 |
| 26                   | 1                | 1027     | 52               | 53404               | 1                                 |
| 27                   | 1                | 2485     | 22               | 54670               | 1                                 |
| 28                   | 1                | 1600     | 33               | 52800               | 1                                 |
| 29                   | 1                | 1172     | 46               | 53912               | 1                                 |
| 30                   | 1                | 1177     | 45               | 52965               | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 97%                               |

**Type 2 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No<br>Detection |
|----------------------|------------------|----------|------------------|---------------------|--------------------------------------|
| 1                    | 3.2              | 179      | 26               | 4654                | 1                                    |
| 2                    | 1.1              | 207      | 23               | 4761                | 0                                    |
| 3                    | 2.1              | 230      | 24               | 5520                | 1                                    |
| 4                    | 4.8              | 200      | 29               | 5800                | 1                                    |
| 5                    | 3.9              | 214      | 28               | 5992                | 1                                    |
| 6                    | 2.9              | 222      | 26               | 5772                | 1                                    |
| 7                    | 3.2              | 204      | 26               | 5304                | 1                                    |
| 8                    | 2.5              | 192      | 25               | 4800                | 1                                    |
| 9                    | 3.1              | 164      | 26               | 4264                | 0                                    |
| 10                   | 1.2              | 156      | 23               | 3588                | 1                                    |
| 11                   | 3.9              | 210      | 27               | 5670                | 1                                    |
| 12                   | 4.6              | 201      | 29               | 5829                | 1                                    |
| 13                   | 3.2              | 162      | 26               | 4212                | 1                                    |
| 14                   | 2.2              | 197      | 25               | 4925                | 1                                    |
| 15                   | 4.5              | 163      | 29               | 4727                | 1                                    |
| 16                   | 3                | 203      | 26               | 5278                | 1                                    |
| 17                   | 5                | 168      | 29               | 4872                | 1                                    |
| 18                   | 2.4              | 217      | 25               | 5425                | 1                                    |
| 19                   | 2.9              | 191      | 26               | 4966                | 1                                    |
| 20                   | 2.3              | 166      | 25               | 4150                | 0                                    |
| 21                   | 3.7              | 150      | 27               | 4050                | 1                                    |
| 22                   | 2.2              | 176      | 25               | 4400                | 1                                    |
| 23                   | 4.9              | 195      | 29               | 5655                | 1                                    |
| 24                   | 2.9              | 202      | 26               | 5252                | 1                                    |
| 25                   | 2.5              | 178      | 25               | 4450                | 1                                    |
| 26                   | 1.1              | 206      | 23               | 4738                | 1                                    |
| 27                   | 3.8              | 155      | 27               | 4185                | 1                                    |
| 28                   | 4.7              | 157      | 29               | 4553                | 1                                    |
| 29                   | 2.4              | 224      | 25               | 5600                | 1                                    |
| 30                   | 4.2              | 159      | 28               | 4452                | 1                                    |
| Detection Percentage |                  |          |                  | Limit >60%          | 90%                                  |



**Type 3 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 8.2              | 355      | 17               | 6035                | 1                                 |
| 2                    | 6.1              | 487      | 16               | 7792                | 0                                 |
| 3                    | 7.1              | 344      | 16               | 5504                | 1                                 |
| 4                    | 9.8              | 288      | 18               | 5184                | 1                                 |
| 5                    | 8.9              | 230      | 18               | 4140                | 1                                 |
| 6                    | 7.9              | 432      | 17               | 7344                | 1                                 |
| 7                    | 8.2              | 207      | 17               | 3519                | 1                                 |
| 8                    | 7.5              | 443      | 17               | 7531                | 0                                 |
| 9                    | 8.1              | 439      | 17               | 7463                | 1                                 |
| 10                   | 6.2              | 223      | 16               | 3568                | 1                                 |
| 11                   | 8.9              | 208      | 18               | 3744                | 1                                 |
| 12                   | 9.6              | 463      | 18               | 8334                | 1                                 |
| 13                   | 8.2              | 441      | 17               | 7497                | 1                                 |
| 14                   | 7.2              | 323      | 16               | 5168                | 0                                 |
| 15                   | 9.5              | 297      | 18               | 5346                | 0                                 |
| 16                   | 8                | 412      | 17               | 7004                | 1                                 |
| 17                   | 10               | 324      | 18               | 5832                | 1                                 |
| 18                   | 7.4              | 271      | 17               | 4607                | 1                                 |
| 19                   | 7.9              | 349      | 17               | 5933                | 1                                 |
| 20                   | 7.3              | 409      | 16               | 6544                | 1                                 |
| 21                   | 8.7              | 373      | 18               | 6714                | 1                                 |
| 22                   | 7.2              | 254      | 16               | 4064                | 1                                 |
| 23                   | 9.9              | 274      | 18               | 4932                | 1                                 |
| 24                   | 7.9              | 278      | 17               | 4726                | 1                                 |
| 25                   | 7.5              | 317      | 17               | 5389                | 1                                 |
| 26                   | 6.1              | 260      | 16               | 4160                | 1                                 |
| 27                   | 8.8              | 211      | 18               | 3798                | 0                                 |
| 28                   | 9.7              | 272      | 18               | 4896                | 1                                 |
| 29                   | 7.4              | 264      | 17               | 4488                | 1                                 |
| 30                   | 9.2              | 284      | 18               | 5112                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 83%                               |

**Type 4 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 16               | 355      | 14               | 4970                | 1                                 |
| 2                    | 11.3             | 487      | 12               | 5844                | 0                                 |
| 3                    | 13.5             | 344      | 13               | 4472                | 1                                 |
| 4                    | 19.4             | 288      | 16               | 4608                | 0                                 |
| 5                    | 17.5             | 230      | 15               | 3450                | 1                                 |
| 6                    | 15.3             | 432      | 14               | 6048                | 1                                 |
| 7                    | 15.9             | 207      | 14               | 2898                | 1                                 |
| 8                    | 14.3             | 443      | 13               | 5759                | 0                                 |
| 9                    | 15.8             | 439      | 14               | 6146                | 1                                 |
| 10                   | 11.5             | 223      | 12               | 2676                | 0                                 |
| 11                   | 17.4             | 208      | 15               | 3120                | 1                                 |
| 12                   | 19               | 463      | 16               | 7408                | 1                                 |
| 13                   | 16               | 441      | 14               | 6174                | 1                                 |
| 14                   | 13.8             | 323      | 13               | 4199                | 1                                 |
| 15                   | 18.9             | 297      | 16               | 4752                | 0                                 |
| 16                   | 15.5             | 412      | 14               | 5768                | 0                                 |
| 17                   | 19.9             | 324      | 16               | 5184                | 1                                 |
| 18                   | 14.1             | 271      | 13               | 3523                | 1                                 |
| 19                   | 15.2             | 349      | 14               | 4886                | 1                                 |
| 20                   | 13.8             | 409      | 13               | 5317                | 1                                 |
| 21                   | 17.1             | 373      | 15               | 5595                | 1                                 |
| 22                   | 13.8             | 254      | 13               | 3302                | 1                                 |
| 23                   | 19.8             | 274      | 16               | 4384                | 1                                 |
| 24                   | 15.3             | 278      | 14               | 3892                | 1                                 |
| 25                   | 14.5             | 317      | 13               | 4121                | 1                                 |
| 26                   | 11.3             | 260      | 12               | 3120                | 1                                 |
| 27                   | 17.3             | 211      | 15               | 3165                | 1                                 |
| 28                   | 19.2             | 272      | 16               | 4352                | 1                                 |
| 29                   | 14.2             | 264      | 13               | 3432                | 1                                 |
| 30                   | 18.2             | 284      | 15               | 4260                | 0                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 77%                               |

**Type 5 Radar Statistical Performance**

| Trial Number         | Number of Bursts | Burst Period(s) | Waveform Length(s) | Center Frequency (GHz) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|-----------------|--------------------|------------------------|-----------------------------------|
| 1                    | 15               | 0.8             | 12                 | 5.5                    | 1                                 |
| 2                    | 8                | 1.5             | 12                 | 5.5                    | 1                                 |
| 3                    | 11               | 1.090909091     | 12                 | 5.5                    | 1                                 |
| 4                    | 20               | 0.6             | 12                 | 5.5                    | 1                                 |
| 5                    | 17               | 0.705882353     | 12                 | 5.5                    | 1                                 |
| 6                    | 14               | 0.857142857     | 12                 | 5.5                    | 1                                 |
| 7                    | 15               | 0.8             | 12                 | 5.5                    | 1                                 |
| 8                    | 12               | 1               | 12                 | 5.5                    | 1                                 |
| 9                    | 14               | 0.857142857     | 12                 | 5.5                    | 1                                 |
| 10                   | 8                | 1.5             | 12                 | 5.5                    | 1                                 |
| 11                   | 17               | 0.705882353     | 12                 | 5.497                  | 1                                 |
| 12                   | 19               | 0.631578947     | 12                 | 5.498                  | 1                                 |
| 13                   | 15               | 0.8             | 12                 | 5.496                  | 1                                 |
| 14                   | 12               | 1               | 12                 | 5.494                  | 1                                 |
| 15                   | 19               | 0.631578947     | 12                 | 5.498                  | 1                                 |
| 16                   | 14               | 0.857142857     | 12                 | 5.495                  | 1                                 |
| 17                   | 20               | 0.6             | 12                 | 5.498                  | 0                                 |
| 18                   | 12               | 1               | 12                 | 5.494                  | 1                                 |
| 19                   | 14               | 0.857142857     | 12                 | 5.495                  | 1                                 |
| 20                   | 12               | 1               | 12                 | 5.494                  | 1                                 |
| 21                   | 16               | 0.75            | 12                 | 5.504                  | 1                                 |
| 22                   | 12               | 1               | 12                 | 5.506                  | 1                                 |
| 23                   | 20               | 0.6             | 12                 | 5.502                  | 1                                 |
| 24                   | 14               | 0.857142857     | 12                 | 5.505                  | 1                                 |
| 25                   | 13               | 0.923076923     | 12                 | 5.505                  | 1                                 |
| 26                   | 8                | 1.5             | 12                 | 5.508                  | 1                                 |
| 27                   | 17               | 0.705882353     | 12                 | 5.503                  | 1                                 |
| 28                   | 19               | 0.631578947     | 12                 | 5.502                  | 1                                 |
| 29                   | 12               | 1               | 12                 | 5.506                  | 1                                 |
| 30                   | 18               | 0.666666667     | 12                 | 5.503                  | 1                                 |
| Detection Percentage |                  |                 |                    | Limit >80%             | 97%                               |

**Note:** Type 5 radar parameter data sheet, please refer to Appendix C

**Type 6 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 2                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 3                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 4                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 5                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 6                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 7                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 8                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 9                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 10                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 11                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 12                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 13                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 14                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 15                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 16                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 17                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 18                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 19                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 20                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 21                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 22                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 23                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 24                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 25                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 26                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 27                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 28                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 29                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 30                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| Detection Percentage |                  |          |                  | Limit >70%          | 100%                              |

**Modulation Mode: 802.11ax HE40 (Band 2)**

| Radar Type | Number of Trials | Number of Successful Detections | Probability | Limit | Result |
|------------|------------------|---------------------------------|-------------|-------|--------|
| 1          | 30               | 29                              | 97%         | 60%   | Pass   |
| 2          | 30               | 28                              | 93%         | 60%   | Pass   |
| 3          | 30               | 24                              | 80%         | 60%   | Pass   |
| 4          | 30               | 23                              | 77%         | 60%   | Pass   |
| Average    |                  |                                 | 87%         | 80%   | Pass   |
| 5          | 30               | 29                              | 97%         | 80%   | Pass   |
| 6          | 30               | 30                              | 100%        | 70%   | Pass   |

**Type 1 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 938      | 57               | 53466               | 1                                 |
| 2                    | 1                | 698      | 76               | 53048               | 1                                 |
| 3                    | 1                | 618      | 86               | 53148               | 1                                 |
| 4                    | 1                | 538      | 99               | 53262               | 1                                 |
| 5                    | 1                | 878      | 61               | 53558               | 1                                 |
| 6                    | 1                | 3066     | 18               | 55188               | 1                                 |
| 7                    | 1                | 638      | 83               | 52954               | 1                                 |
| 8                    | 1                | 918      | 58               | 53244               | 0                                 |
| 9                    | 1                | 838      | 63               | 52794               | 1                                 |
| 10                   | 1                | 858      | 62               | 53196               | 1                                 |
| 11                   | 1                | 798      | 67               | 53466               | 1                                 |
| 12                   | 1                | 718      | 74               | 53132               | 1                                 |
| 13                   | 1                | 578      | 92               | 53176               | 1                                 |
| 14                   | 1                | 598      | 89               | 53222               | 1                                 |
| 15                   | 1                | 558      | 95               | 53010               | 1                                 |
| 16                   | 1                | 2536     | 21               | 53256               | 1                                 |
| 17                   | 1                | 966      | 55               | 53130               | 1                                 |
| 18                   | 1                | 827      | 64               | 52928               | 1                                 |
| 19                   | 1                | 2501     | 22               | 55022               | 1                                 |
| 20                   | 1                | 2595     | 21               | 54495               | 1                                 |
| 21                   | 1                | 1114     | 48               | 53472               | 1                                 |
| 22                   | 1                | 1302     | 41               | 53382               | 1                                 |
| 23                   | 1                | 3045     | 18               | 54810               | 1                                 |
| 24                   | 1                | 1624     | 33               | 53592               | 1                                 |
| 25                   | 1                | 2878     | 19               | 54682               | 1                                 |
| 26                   | 1                | 1027     | 52               | 53404               | 1                                 |
| 27                   | 1                | 2485     | 22               | 54670               | 1                                 |
| 28                   | 1                | 1600     | 33               | 52800               | 1                                 |
| 29                   | 1                | 1172     | 46               | 53912               | 1                                 |
| 30                   | 1                | 1177     | 45               | 52965               | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 97%                               |

**Type 2 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 3.2              | 179      | 26               | 4654                | 1                                 |
| 2                    | 1.1              | 207      | 23               | 4761                | 1                                 |
| 3                    | 2.1              | 230      | 24               | 5520                | 1                                 |
| 4                    | 4.8              | 200      | 29               | 5800                | 1                                 |
| 5                    | 3.9              | 214      | 28               | 5992                | 0                                 |
| 6                    | 2.9              | 222      | 26               | 5772                | 1                                 |
| 7                    | 3.2              | 204      | 26               | 5304                | 1                                 |
| 8                    | 2.5              | 192      | 25               | 4800                | 1                                 |
| 9                    | 3.1              | 164      | 26               | 4264                | 1                                 |
| 10                   | 1.2              | 156      | 23               | 3588                | 1                                 |
| 11                   | 3.9              | 210      | 27               | 5670                | 1                                 |
| 12                   | 4.6              | 201      | 29               | 5829                | 1                                 |
| 13                   | 3.2              | 162      | 26               | 4212                | 1                                 |
| 14                   | 2.2              | 197      | 25               | 4925                | 1                                 |
| 15                   | 4.5              | 163      | 29               | 4727                | 1                                 |
| 16                   | 3                | 203      | 26               | 5278                | 1                                 |
| 17                   | 5                | 168      | 29               | 4872                | 1                                 |
| 18                   | 2.4              | 217      | 25               | 5425                | 1                                 |
| 19                   | 2.9              | 191      | 26               | 4966                | 1                                 |
| 20                   | 2.3              | 166      | 25               | 4150                | 1                                 |
| 21                   | 3.7              | 150      | 27               | 4050                | 1                                 |
| 22                   | 2.2              | 176      | 25               | 4400                | 1                                 |
| 23                   | 4.9              | 195      | 29               | 5655                | 1                                 |
| 24                   | 2.9              | 202      | 26               | 5252                | 1                                 |
| 25                   | 2.5              | 178      | 25               | 4450                | 1                                 |
| 26                   | 1.1              | 206      | 23               | 4738                | 1                                 |
| 27                   | 3.8              | 155      | 27               | 4185                | 1                                 |
| 28                   | 4.7              | 157      | 29               | 4553                | 0                                 |
| 29                   | 2.4              | 224      | 25               | 5600                | 1                                 |
| 30                   | 4.2              | 159      | 28               | 4452                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 93%                               |

**Type 3 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No<br>Detection |
|----------------------|------------------|----------|------------------|---------------------|--------------------------------------|
| 1                    | 8.2              | 355      | 17               | 6035                | 0                                    |
| 2                    | 6.1              | 487      | 16               | 7792                | 1                                    |
| 3                    | 7.1              | 344      | 16               | 5504                | 1                                    |
| 4                    | 9.8              | 288      | 18               | 5184                | 1                                    |
| 5                    | 8.9              | 230      | 18               | 4140                | 1                                    |
| 6                    | 7.9              | 432      | 17               | 7344                | 0                                    |
| 7                    | 8.2              | 207      | 17               | 3519                | 1                                    |
| 8                    | 7.5              | 443      | 17               | 7531                | 0                                    |
| 9                    | 8.1              | 439      | 17               | 7463                | 1                                    |
| 10                   | 6.2              | 223      | 16               | 3568                | 1                                    |
| 11                   | 8.9              | 208      | 18               | 3744                | 1                                    |
| 12                   | 9.6              | 463      | 18               | 8334                | 1                                    |
| 13                   | 8.2              | 441      | 17               | 7497                | 1                                    |
| 14                   | 7.2              | 323      | 16               | 5168                | 1                                    |
| 15                   | 9.5              | 297      | 18               | 5346                | 0                                    |
| 16                   | 8                | 412      | 17               | 7004                | 1                                    |
| 17                   | 10               | 324      | 18               | 5832                | 1                                    |
| 18                   | 7.4              | 271      | 17               | 4607                | 1                                    |
| 19                   | 7.9              | 349      | 17               | 5933                | 1                                    |
| 20                   | 7.3              | 409      | 16               | 6544                | 1                                    |
| 21                   | 8.7              | 373      | 18               | 6714                | 1                                    |
| 22                   | 7.2              | 254      | 16               | 4064                | 1                                    |
| 23                   | 9.9              | 274      | 18               | 4932                | 1                                    |
| 24                   | 7.9              | 278      | 17               | 4726                | 1                                    |
| 25                   | 7.5              | 317      | 17               | 5389                | 0                                    |
| 26                   | 6.1              | 260      | 16               | 4160                | 0                                    |
| 27                   | 8.8              | 211      | 18               | 3798                | 1                                    |
| 28                   | 9.7              | 272      | 18               | 4896                | 1                                    |
| 29                   | 7.4              | 264      | 17               | 4488                | 1                                    |
| 30                   | 9.2              | 284      | 18               | 5112                | 1                                    |
| Detection Percentage |                  |          |                  | Limit >60%          | 80%                                  |



**Type 4 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 16               | 355      | 14               | 4970                | 0                                 |
| 2                    | 11.3             | 487      | 12               | 5844                | 1                                 |
| 3                    | 13.5             | 344      | 13               | 4472                | 1                                 |
| 4                    | 19.4             | 288      | 16               | 4608                | 1                                 |
| 5                    | 17.5             | 230      | 15               | 3450                | 0                                 |
| 6                    | 15.3             | 432      | 14               | 6048                | 1                                 |
| 7                    | 15.9             | 207      | 14               | 2898                | 1                                 |
| 8                    | 14.3             | 443      | 13               | 5759                | 1                                 |
| 9                    | 15.8             | 439      | 14               | 6146                | 1                                 |
| 10                   | 11.5             | 223      | 12               | 2676                | 0                                 |
| 11                   | 17.4             | 208      | 15               | 3120                | 1                                 |
| 12                   | 19               | 463      | 16               | 7408                | 1                                 |
| 13                   | 16               | 441      | 14               | 6174                | 1                                 |
| 14                   | 13.8             | 323      | 13               | 4199                | 1                                 |
| 15                   | 18.9             | 297      | 16               | 4752                | 1                                 |
| 16                   | 15.5             | 412      | 14               | 5768                | 1                                 |
| 17                   | 19.9             | 324      | 16               | 5184                | 1                                 |
| 18                   | 14.1             | 271      | 13               | 3523                | 1                                 |
| 19                   | 15.2             | 349      | 14               | 4886                | 0                                 |
| 20                   | 13.8             | 409      | 13               | 5317                | 0                                 |
| 21                   | 17.1             | 373      | 15               | 5595                | 1                                 |
| 22                   | 13.8             | 254      | 13               | 3302                | 1                                 |
| 23                   | 19.8             | 274      | 16               | 4384                | 1                                 |
| 24                   | 15.3             | 278      | 14               | 3892                | 1                                 |
| 25                   | 14.5             | 317      | 13               | 4121                | 0                                 |
| 26                   | 11.3             | 260      | 12               | 3120                | 1                                 |
| 27                   | 17.3             | 211      | 15               | 3165                | 1                                 |
| 28                   | 19.2             | 272      | 16               | 4352                | 0                                 |
| 29                   | 14.2             | 264      | 13               | 3432                | 1                                 |
| 30                   | 18.2             | 284      | 15               | 4260                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 77%                               |

**Type 5 Radar Statistical Performance**

| Trial Number         | Number of Bursts | Burst Period(s) | Waveform Length(s) | Center Frequency (GHz) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|-----------------|--------------------|------------------------|-----------------------------------|
| 1                    | 15               | 0.8             | 12                 | 5.31                   | 1                                 |
| 2                    | 8                | 1.5             | 12                 | 5.31                   | 1                                 |
| 3                    | 11               | 1.090909        | 12                 | 5.31                   | 1                                 |
| 4                    | 20               | 0.6             | 12                 | 5.31                   | 1                                 |
| 5                    | 17               | 0.705882        | 12                 | 5.31                   | 1                                 |
| 6                    | 14               | 0.857143        | 12                 | 5.31                   | 1                                 |
| 7                    | 15               | 0.8             | 12                 | 5.31                   | 1                                 |
| 8                    | 12               | 1               | 12                 | 5.31                   | 1                                 |
| 9                    | 14               | 0.857143        | 12                 | 5.31                   | 1                                 |
| 10                   | 8                | 1.5             | 12                 | 5.31                   | 1                                 |
| 11                   | 17               | 0.705882        | 12                 | 5.297                  | 1                                 |
| 12                   | 19               | 0.631579        | 12                 | 5.298                  | 1                                 |
| 13                   | 15               | 0.8             | 12                 | 5.296                  | 1                                 |
| 14                   | 12               | 1               | 12                 | 5.295                  | 1                                 |
| 15                   | 19               | 0.631579        | 12                 | 5.298                  | 1                                 |
| 16                   | 14               | 0.857143        | 12                 | 5.296                  | 1                                 |
| 17                   | 20               | 0.6             | 12                 | 5.299                  | 1                                 |
| 18                   | 12               | 1               | 12                 | 5.295                  | 1                                 |
| 19                   | 14               | 0.857143        | 12                 | 5.296                  | 1                                 |
| 20                   | 12               | 1               | 12                 | 5.295                  | 1                                 |
| 21                   | 16               | 0.75            | 12                 | 5.323                  | 1                                 |
| 22                   | 12               | 1               | 12                 | 5.326                  | 1                                 |
| 23                   | 20               | 0.6             | 12                 | 5.321                  | 1                                 |
| 24                   | 14               | 0.857143        | 12                 | 5.324                  | 1                                 |
| 25                   | 13               | 0.923077        | 12                 | 5.325                  | 1                                 |
| 26                   | 8                | 1.5             | 12                 | 5.327                  | 0                                 |
| 27                   | 17               | 0.705882        | 12                 | 5.323                  | 1                                 |
| 28                   | 19               | 0.631579        | 12                 | 5.322                  | 1                                 |
| 29                   | 12               | 1               | 12                 | 5.325                  | 1                                 |
| 30                   | 18               | 0.666667        | 12                 | 5.322                  | 1                                 |
| Detection Percentage |                  |                 |                    | Limit >80%             | 97%                               |

**Note:** Type 5 radar parameter data sheet, please refer to Appendix C

**Type 6 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 2                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 3                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 4                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 5                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 6                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 7                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 8                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 9                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 10                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 11                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 12                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 13                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 14                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 15                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 16                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 17                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 18                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 19                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 20                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 21                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 22                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 23                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 24                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 25                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 26                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 27                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 28                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 29                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 30                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| Detection Percentage |                  |          |                  | Limit >70%          | 100%                              |

**Modulation Mode: 802.11ax HE40 (Band 3)**

| Radar Type | Number of Trials | Number of Successful Detections | Probability | Limit | Result |
|------------|------------------|---------------------------------|-------------|-------|--------|
| 1          | 30               | 30                              | 100%        | 60%   | Pass   |
| 2          | 30               | 28                              | 93%         | 60%   | Pass   |
| 3          | 30               | 23                              | 77%         | 60%   | Pass   |
| 4          | 30               | 24                              | 80%         | 60%   | Pass   |
| Average    |                  |                                 | 88%         | 80%   | Pass   |
| 5          | 30               | 30                              | 100%        | 80%   | Pass   |
| 6          | 30               | 30                              | 100%        | 70%   | Pass   |

**Type 1 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 938      | 57               | 53466               | 1                                 |
| 2                    | 1                | 698      | 76               | 53048               | 1                                 |
| 3                    | 1                | 618      | 86               | 53148               | 1                                 |
| 4                    | 1                | 538      | 99               | 53262               | 1                                 |
| 5                    | 1                | 878      | 61               | 53558               | 1                                 |
| 6                    | 1                | 3066     | 18               | 55188               | 1                                 |
| 7                    | 1                | 638      | 83               | 52954               | 1                                 |
| 8                    | 1                | 918      | 58               | 53244               | 1                                 |
| 9                    | 1                | 838      | 63               | 52794               | 1                                 |
| 10                   | 1                | 858      | 62               | 53196               | 1                                 |
| 11                   | 1                | 798      | 67               | 53466               | 1                                 |
| 12                   | 1                | 718      | 74               | 53132               | 1                                 |
| 13                   | 1                | 578      | 92               | 53176               | 1                                 |
| 14                   | 1                | 598      | 89               | 53222               | 1                                 |
| 15                   | 1                | 558      | 95               | 53010               | 1                                 |
| 16                   | 1                | 2536     | 21               | 53256               | 1                                 |
| 17                   | 1                | 966      | 55               | 53130               | 1                                 |
| 18                   | 1                | 827      | 64               | 52928               | 1                                 |
| 19                   | 1                | 2501     | 22               | 55022               | 1                                 |
| 20                   | 1                | 2595     | 21               | 54495               | 1                                 |
| 21                   | 1                | 1114     | 48               | 53472               | 1                                 |
| 22                   | 1                | 1302     | 41               | 53382               | 1                                 |
| 23                   | 1                | 3045     | 18               | 54810               | 1                                 |
| 24                   | 1                | 1624     | 33               | 53592               | 1                                 |
| 25                   | 1                | 2878     | 19               | 54682               | 1                                 |
| 26                   | 1                | 1027     | 52               | 53404               | 1                                 |
| 27                   | 1                | 2485     | 22               | 54670               | 1                                 |
| 28                   | 1                | 1600     | 33               | 52800               | 1                                 |
| 29                   | 1                | 1172     | 46               | 53912               | 1                                 |
| 30                   | 1                | 1177     | 45               | 52965               | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 100%                              |

**Type 2 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 3.2              | 179      | 26               | 4654                | 1                                 |
| 2                    | 1.1              | 207      | 23               | 4761                | 1                                 |
| 3                    | 2.1              | 230      | 24               | 5520                | 1                                 |
| 4                    | 4.8              | 200      | 29               | 5800                | 1                                 |
| 5                    | 3.9              | 214      | 28               | 5992                | 1                                 |
| 6                    | 2.9              | 222      | 26               | 5772                | 1                                 |
| 7                    | 3.2              | 204      | 26               | 5304                | 1                                 |
| 8                    | 2.5              | 192      | 25               | 4800                | 1                                 |
| 9                    | 3.1              | 164      | 26               | 4264                | 1                                 |
| 10                   | 1.2              | 156      | 23               | 3588                | 1                                 |
| 11                   | 3.9              | 210      | 27               | 5670                | 1                                 |
| 12                   | 4.6              | 201      | 29               | 5829                | 0                                 |
| 13                   | 3.2              | 162      | 26               | 4212                | 1                                 |
| 14                   | 2.2              | 197      | 25               | 4925                | 1                                 |
| 15                   | 4.5              | 163      | 29               | 4727                | 1                                 |
| 16                   | 3                | 203      | 26               | 5278                | 1                                 |
| 17                   | 5                | 168      | 29               | 4872                | 1                                 |
| 18                   | 2.4              | 217      | 25               | 5425                | 1                                 |
| 19                   | 2.9              | 191      | 26               | 4966                | 1                                 |
| 20                   | 2.3              | 166      | 25               | 4150                | 1                                 |
| 21                   | 3.7              | 150      | 27               | 4050                | 1                                 |
| 22                   | 2.2              | 176      | 25               | 4400                | 1                                 |
| 23                   | 4.9              | 195      | 29               | 5655                | 1                                 |
| 24                   | 2.9              | 202      | 26               | 5252                | 1                                 |
| 25                   | 2.5              | 178      | 25               | 4450                | 1                                 |
| 26                   | 1.1              | 206      | 23               | 4738                | 0                                 |
| 27                   | 3.8              | 155      | 27               | 4185                | 1                                 |
| 28                   | 4.7              | 157      | 29               | 4553                | 1                                 |
| 29                   | 2.4              | 224      | 25               | 5600                | 1                                 |
| 30                   | 4.2              | 159      | 28               | 4452                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 93%                               |

**Type 3 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No<br>Detection |
|----------------------|------------------|----------|------------------|---------------------|--------------------------------------|
| 1                    | 8.2              | 355      | 17               | 6035                | 1                                    |
| 2                    | 6.1              | 487      | 16               | 7792                | 1                                    |
| 3                    | 7.1              | 344      | 16               | 5504                | 1                                    |
| 4                    | 9.8              | 288      | 18               | 5184                | 0                                    |
| 5                    | 8.9              | 230      | 18               | 4140                | 1                                    |
| 6                    | 7.9              | 432      | 17               | 7344                | 1                                    |
| 7                    | 8.2              | 207      | 17               | 3519                | 0                                    |
| 8                    | 7.5              | 443      | 17               | 7531                | 1                                    |
| 9                    | 8.1              | 439      | 17               | 7463                | 0                                    |
| 10                   | 6.2              | 223      | 16               | 3568                | 1                                    |
| 11                   | 8.9              | 208      | 18               | 3744                | 1                                    |
| 12                   | 9.6              | 463      | 18               | 8334                | 1                                    |
| 13                   | 8.2              | 441      | 17               | 7497                | 1                                    |
| 14                   | 7.2              | 323      | 16               | 5168                | 0                                    |
| 15                   | 9.5              | 297      | 18               | 5346                | 0                                    |
| 16                   | 8                | 412      | 17               | 7004                | 1                                    |
| 17                   | 10               | 324      | 18               | 5832                | 1                                    |
| 18                   | 7.4              | 271      | 17               | 4607                | 1                                    |
| 19                   | 7.9              | 349      | 17               | 5933                | 0                                    |
| 20                   | 7.3              | 409      | 16               | 6544                | 1                                    |
| 21                   | 8.7              | 373      | 18               | 6714                | 1                                    |
| 22                   | 7.2              | 254      | 16               | 4064                | 1                                    |
| 23                   | 9.9              | 274      | 18               | 4932                | 1                                    |
| 24                   | 7.9              | 278      | 17               | 4726                | 1                                    |
| 25                   | 7.5              | 317      | 17               | 5389                | 1                                    |
| 26                   | 6.1              | 260      | 16               | 4160                | 1                                    |
| 27                   | 8.8              | 211      | 18               | 3798                | 0                                    |
| 28                   | 9.7              | 272      | 18               | 4896                | 1                                    |
| 29                   | 7.4              | 264      | 17               | 4488                | 1                                    |
| 30                   | 9.2              | 284      | 18               | 5112                | 1                                    |
| Detection Percentage |                  |          |                  | Limit >60%          | 77%                                  |

**Type 4 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 16               | 355      | 14               | 4970                | 1                                 |
| 2                    | 11.3             | 487      | 12               | 5844                | 0                                 |
| 3                    | 13.5             | 344      | 13               | 4472                | 1                                 |
| 4                    | 19.4             | 288      | 16               | 4608                | 1                                 |
| 5                    | 17.5             | 230      | 15               | 3450                | 0                                 |
| 6                    | 15.3             | 432      | 14               | 6048                | 1                                 |
| 7                    | 15.9             | 207      | 14               | 2898                | 1                                 |
| 8                    | 14.3             | 443      | 13               | 5759                | 1                                 |
| 9                    | 15.8             | 439      | 14               | 6146                | 1                                 |
| 10                   | 11.5             | 223      | 12               | 2676                | 1                                 |
| 11                   | 17.4             | 208      | 15               | 3120                | 0                                 |
| 12                   | 19               | 463      | 16               | 7408                | 0                                 |
| 13                   | 16               | 441      | 14               | 6174                | 1                                 |
| 14                   | 13.8             | 323      | 13               | 4199                | 1                                 |
| 15                   | 18.9             | 297      | 16               | 4752                | 1                                 |
| 16                   | 15.5             | 412      | 14               | 5768                | 1                                 |
| 17                   | 19.9             | 324      | 16               | 5184                | 1                                 |
| 18                   | 14.1             | 271      | 13               | 3523                | 0                                 |
| 19                   | 15.2             | 349      | 14               | 4886                | 1                                 |
| 20                   | 13.8             | 409      | 13               | 5317                | 1                                 |
| 21                   | 17.1             | 373      | 15               | 5595                | 1                                 |
| 22                   | 13.8             | 254      | 13               | 3302                | 1                                 |
| 23                   | 19.8             | 274      | 16               | 4384                | 1                                 |
| 24                   | 15.3             | 278      | 14               | 3892                | 1                                 |
| 25                   | 14.5             | 317      | 13               | 4121                | 1                                 |
| 26                   | 11.3             | 260      | 12               | 3120                | 0                                 |
| 27                   | 17.3             | 211      | 15               | 3165                | 1                                 |
| 28                   | 19.2             | 272      | 16               | 4352                | 1                                 |
| 29                   | 14.2             | 264      | 13               | 3432                | 1                                 |
| 30                   | 18.2             | 284      | 15               | 4260                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 80%                               |



**Type 5 Radar Statistical Performance**

| Trial Number         | Number of Bursts | Burst Period(s) | Waveform Length(s) | Center Frequency (GHz) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|-----------------|--------------------|------------------------|-----------------------------------|
| 1                    | 15               | 0.8             | 12                 | 5.51                   | 1                                 |
| 2                    | 8                | 1.5             | 12                 | 5.51                   | 1                                 |
| 3                    | 11               | 1.090909        | 12                 | 5.51                   | 1                                 |
| 4                    | 20               | 0.6             | 12                 | 5.51                   | 1                                 |
| 5                    | 17               | 0.705882        | 12                 | 5.51                   | 1                                 |
| 6                    | 14               | 0.857143        | 12                 | 5.51                   | 1                                 |
| 7                    | 15               | 0.8             | 12                 | 5.51                   | 1                                 |
| 8                    | 12               | 1               | 12                 | 5.51                   | 1                                 |
| 9                    | 14               | 0.857143        | 12                 | 5.51                   | 1                                 |
| 10                   | 8                | 1.5             | 12                 | 5.51                   | 1                                 |
| 11                   | 17               | 0.705882        | 12                 | 5.497                  | 1                                 |
| 12                   | 19               | 0.631579        | 12                 | 5.499                  | 1                                 |
| 13                   | 15               | 0.8             | 12                 | 5.496                  | 1                                 |
| 14                   | 12               | 1               | 12                 | 5.495                  | 1                                 |
| 15                   | 19               | 0.631579        | 12                 | 5.498                  | 1                                 |
| 16                   | 14               | 0.857143        | 12                 | 5.496                  | 1                                 |
| 17                   | 20               | 0.6             | 12                 | 5.499                  | 1                                 |
| 18                   | 12               | 1               | 12                 | 5.495                  | 1                                 |
| 19                   | 14               | 0.857143        | 12                 | 5.496                  | 1                                 |
| 20                   | 12               | 1               | 12                 | 5.495                  | 1                                 |
| 21                   | 16               | 0.75            | 12                 | 5.523                  | 1                                 |
| 22                   | 12               | 1               | 12                 | 5.525                  | 1                                 |
| 23                   | 20               | 0.6             | 12                 | 5.521                  | 1                                 |
| 24                   | 14               | 0.857143        | 12                 | 5.524                  | 1                                 |
| 25                   | 13               | 0.923077        | 12                 | 5.525                  | 1                                 |
| 26                   | 8                | 1.5             | 12                 | 5.527                  | 1                                 |
| 27                   | 17               | 0.705882        | 12                 | 5.523                  | 1                                 |
| 28                   | 19               | 0.631579        | 12                 | 5.521                  | 1                                 |
| 29                   | 12               | 1               | 12                 | 5.525                  | 1                                 |
| 30                   | 18               | 0.666667        | 12                 | 5.522                  | 1                                 |
| Detection Percentage |                  |                 |                    | Limit >80%             | 100%                              |

**Note:** Type 5 radar parameter data sheet, please refer to Appendix C

**Type 6 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 2                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 3                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 4                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 5                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 6                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 7                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 8                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 9                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 10                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 11                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 12                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 13                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 14                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 15                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 16                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 17                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 18                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 19                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 20                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 21                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 22                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 23                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 24                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 25                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 26                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 27                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 28                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 29                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 30                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| Detection Percentage |                  |          |                  | Limit >70%          | 100%                              |

**Modulation Mode: 802.11ax HE80 (Band 2)**

| Radar Type | Number of Trials | Number of Successful Detections | Probability | Limit | Result |
|------------|------------------|---------------------------------|-------------|-------|--------|
| 1          | 30               | 30                              | 100%        | 60%   | Pass   |
| 2          | 30               | 27                              | 90%         | 60%   | Pass   |
| 3          | 30               | 23                              | 77%         | 60%   | Pass   |
| 4          | 30               | 21                              | 70%         | 60%   | Pass   |
| Average    |                  |                                 | 84%         | 80%   | Pass   |
| 5          | 30               | 30                              | 100%        | 80%   | Pass   |
| 6          | 30               | 30                              | 100%        | 70%   | Pass   |

**Type 1 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 938      | 57               | 53466               | 1                                 |
| 2                    | 1                | 698      | 76               | 53048               | 1                                 |
| 3                    | 1                | 618      | 86               | 53148               | 1                                 |
| 4                    | 1                | 538      | 99               | 53262               | 1                                 |
| 5                    | 1                | 878      | 61               | 53558               | 1                                 |
| 6                    | 1                | 3066     | 18               | 55188               | 1                                 |
| 7                    | 1                | 638      | 83               | 52954               | 1                                 |
| 8                    | 1                | 918      | 58               | 53244               | 1                                 |
| 9                    | 1                | 838      | 63               | 52794               | 1                                 |
| 10                   | 1                | 858      | 62               | 53196               | 1                                 |
| 11                   | 1                | 798      | 67               | 53466               | 1                                 |
| 12                   | 1                | 718      | 74               | 53132               | 1                                 |
| 13                   | 1                | 578      | 92               | 53176               | 1                                 |
| 14                   | 1                | 598      | 89               | 53222               | 1                                 |
| 15                   | 1                | 558      | 95               | 53010               | 1                                 |
| 16                   | 1                | 2536     | 21               | 53256               | 1                                 |
| 17                   | 1                | 966      | 55               | 53130               | 1                                 |
| 18                   | 1                | 827      | 64               | 52928               | 1                                 |
| 19                   | 1                | 2501     | 22               | 55022               | 1                                 |
| 20                   | 1                | 2595     | 21               | 54495               | 1                                 |
| 21                   | 1                | 1114     | 48               | 53472               | 1                                 |
| 22                   | 1                | 1302     | 41               | 53382               | 1                                 |
| 23                   | 1                | 3045     | 18               | 54810               | 1                                 |
| 24                   | 1                | 1624     | 33               | 53592               | 1                                 |
| 25                   | 1                | 2878     | 19               | 54682               | 1                                 |
| 26                   | 1                | 1027     | 52               | 53404               | 1                                 |
| 27                   | 1                | 2485     | 22               | 54670               | 1                                 |
| 28                   | 1                | 1600     | 33               | 52800               | 1                                 |
| 29                   | 1                | 1172     | 46               | 53912               | 1                                 |
| 30                   | 1                | 1177     | 45               | 52965               | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 100%                              |

**Type 2 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 3.2              | 179      | 26               | 4654                | 1                                 |
| 2                    | 1.1              | 207      | 23               | 4761                | 1                                 |
| 3                    | 2.1              | 230      | 24               | 5520                | 0                                 |
| 4                    | 4.8              | 200      | 29               | 5800                | 1                                 |
| 5                    | 3.9              | 214      | 28               | 5992                | 1                                 |
| 6                    | 2.9              | 222      | 26               | 5772                | 1                                 |
| 7                    | 3.2              | 204      | 26               | 5304                | 1                                 |
| 8                    | 2.5              | 192      | 25               | 4800                | 1                                 |
| 9                    | 3.1              | 164      | 26               | 4264                | 1                                 |
| 10                   | 1.2              | 156      | 23               | 3588                | 1                                 |
| 11                   | 3.9              | 210      | 27               | 5670                | 1                                 |
| 12                   | 4.6              | 201      | 29               | 5829                | 1                                 |
| 13                   | 3.2              | 162      | 26               | 4212                | 1                                 |
| 14                   | 2.2              | 197      | 25               | 4925                | 1                                 |
| 15                   | 4.5              | 163      | 29               | 4727                | 1                                 |
| 16                   | 3                | 203      | 26               | 5278                | 0                                 |
| 17                   | 5                | 168      | 29               | 4872                | 1                                 |
| 18                   | 2.4              | 217      | 25               | 5425                | 1                                 |
| 19                   | 2.9              | 191      | 26               | 4966                | 1                                 |
| 20                   | 2.3              | 166      | 25               | 4150                | 0                                 |
| 21                   | 3.7              | 150      | 27               | 4050                | 1                                 |
| 22                   | 2.2              | 176      | 25               | 4400                | 1                                 |
| 23                   | 4.9              | 195      | 29               | 5655                | 1                                 |
| 24                   | 2.9              | 202      | 26               | 5252                | 1                                 |
| 25                   | 2.5              | 178      | 25               | 4450                | 1                                 |
| 26                   | 1.1              | 206      | 23               | 4738                | 1                                 |
| 27                   | 3.8              | 155      | 27               | 4185                | 1                                 |
| 28                   | 4.7              | 157      | 29               | 4553                | 1                                 |
| 29                   | 2.4              | 224      | 25               | 5600                | 1                                 |
| 30                   | 4.2              | 159      | 28               | 4452                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 90%                               |

**Type 3 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No<br>Detection |
|----------------------|------------------|----------|------------------|---------------------|--------------------------------------|
| 1                    | 8.2              | 355      | 17               | 6035                | 1                                    |
| 2                    | 6.1              | 487      | 16               | 7792                | 1                                    |
| 3                    | 7.1              | 344      | 16               | 5504                | 1                                    |
| 4                    | 9.8              | 288      | 18               | 5184                | 0                                    |
| 5                    | 8.9              | 230      | 18               | 4140                | 0                                    |
| 6                    | 7.9              | 432      | 17               | 7344                | 1                                    |
| 7                    | 8.2              | 207      | 17               | 3519                | 1                                    |
| 8                    | 7.5              | 443      | 17               | 7531                | 1                                    |
| 9                    | 8.1              | 439      | 17               | 7463                | 1                                    |
| 10                   | 6.2              | 223      | 16               | 3568                | 1                                    |
| 11                   | 8.9              | 208      | 18               | 3744                | 0                                    |
| 12                   | 9.6              | 463      | 18               | 8334                | 1                                    |
| 13                   | 8.2              | 441      | 17               | 7497                | 0                                    |
| 14                   | 7.2              | 323      | 16               | 5168                | 1                                    |
| 15                   | 9.5              | 297      | 18               | 5346                | 1                                    |
| 16                   | 8                | 412      | 17               | 7004                | 1                                    |
| 17                   | 10               | 324      | 18               | 5832                | 1                                    |
| 18                   | 7.4              | 271      | 17               | 4607                | 1                                    |
| 19                   | 7.9              | 349      | 17               | 5933                | 1                                    |
| 20                   | 7.3              | 409      | 16               | 6544                | 1                                    |
| 21                   | 8.7              | 373      | 18               | 6714                | 0                                    |
| 22                   | 7.2              | 254      | 16               | 4064                | 1                                    |
| 23                   | 9.9              | 274      | 18               | 4932                | 0                                    |
| 24                   | 7.9              | 278      | 17               | 4726                | 1                                    |
| 25                   | 7.5              | 317      | 17               | 5389                | 1                                    |
| 26                   | 6.1              | 260      | 16               | 4160                | 1                                    |
| 27                   | 8.8              | 211      | 18               | 3798                | 1                                    |
| 28                   | 9.7              | 272      | 18               | 4896                | 0                                    |
| 29                   | 7.4              | 264      | 17               | 4488                | 1                                    |
| 30                   | 9.2              | 284      | 18               | 5112                | 1                                    |
| Detection Percentage |                  |          |                  | Limit >60%          | 77%                                  |

**Type 4 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 16               | 355      | 14               | 4970                | 1                                 |
| 2                    | 11.3             | 487      | 12               | 5844                | 0                                 |
| 3                    | 13.5             | 344      | 13               | 4472                | 1                                 |
| 4                    | 19.4             | 288      | 16               | 4608                | 0                                 |
| 5                    | 17.5             | 230      | 15               | 3450                | 0                                 |
| 6                    | 15.3             | 432      | 14               | 6048                | 1                                 |
| 7                    | 15.9             | 207      | 14               | 2898                | 1                                 |
| 8                    | 14.3             | 443      | 13               | 5759                | 1                                 |
| 9                    | 15.8             | 439      | 14               | 6146                | 0                                 |
| 10                   | 11.5             | 223      | 12               | 2676                | 1                                 |
| 11                   | 17.4             | 208      | 15               | 3120                | 1                                 |
| 12                   | 19               | 463      | 16               | 7408                | 1                                 |
| 13                   | 16               | 441      | 14               | 6174                | 0                                 |
| 14                   | 13.8             | 323      | 13               | 4199                | 1                                 |
| 15                   | 18.9             | 297      | 16               | 4752                | 1                                 |
| 16                   | 15.5             | 412      | 14               | 5768                | 1                                 |
| 17                   | 19.9             | 324      | 16               | 5184                | 1                                 |
| 18                   | 14.1             | 271      | 13               | 3523                | 1                                 |
| 19                   | 15.2             | 349      | 14               | 4886                | 1                                 |
| 20                   | 13.8             | 409      | 13               | 5317                | 1                                 |
| 21                   | 17.1             | 373      | 15               | 5595                | 0                                 |
| 22                   | 13.8             | 254      | 13               | 3302                | 0                                 |
| 23                   | 19.8             | 274      | 16               | 4384                | 1                                 |
| 24                   | 15.3             | 278      | 14               | 3892                | 1                                 |
| 25                   | 14.5             | 317      | 13               | 4121                | 1                                 |
| 26                   | 11.3             | 260      | 12               | 3120                | 1                                 |
| 27                   | 17.3             | 211      | 15               | 3165                | 0                                 |
| 28                   | 19.2             | 272      | 16               | 4352                | 1                                 |
| 29                   | 14.2             | 264      | 13               | 3432                | 0                                 |
| 30                   | 18.2             | 284      | 15               | 4260                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 70%                               |

**Type 5 Radar Statistical Performance**

| Trial Number         | Number of Bursts | Burst Period(s) | Waveform Length(s) | Center Frequency (GHz) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|-----------------|--------------------|------------------------|-----------------------------------|
| 1                    | 15               | 0.8             | 12                 | 5.29                   | 1                                 |
| 2                    | 8                | 1.5             | 12                 | 5.29                   | 1                                 |
| 3                    | 11               | 1.0909091       | 12                 | 5.29                   | 1                                 |
| 4                    | 20               | 0.6             | 12                 | 5.29                   | 1                                 |
| 5                    | 17               | 0.7058824       | 12                 | 5.29                   | 1                                 |
| 6                    | 14               | 0.8571429       | 12                 | 5.29                   | 1                                 |
| 7                    | 15               | 0.8             | 12                 | 5.29                   | 1                                 |
| 8                    | 12               | 1               | 12                 | 5.29                   | 1                                 |
| 9                    | 14               | 0.8571429       | 12                 | 5.29                   | 1                                 |
| 10                   | 8                | 1.5             | 12                 | 5.29                   | 1                                 |
| 11                   | 17               | 0.7058824       | 12                 | 5.258                  | 1                                 |
| 12                   | 19               | 0.6315789       | 12                 | 5.259                  | 1                                 |
| 13                   | 15               | 0.8             | 12                 | 5.256                  | 1                                 |
| 14                   | 12               | 1               | 12                 | 5.255                  | 1                                 |
| 15                   | 19               | 0.6315789       | 12                 | 5.258                  | 1                                 |
| 16                   | 14               | 0.8571429       | 12                 | 5.256                  | 1                                 |
| 17                   | 20               | 0.6             | 12                 | 5.259                  | 1                                 |
| 18                   | 12               | 1               | 12                 | 5.255                  | 1                                 |
| 19                   | 14               | 0.8571429       | 12                 | 5.256                  | 1                                 |
| 20                   | 12               | 1               | 12                 | 5.255                  | 1                                 |
| 21                   | 16               | 0.75            | 12                 | 5.323                  | 1                                 |
| 22                   | 12               | 1               | 12                 | 5.325                  | 1                                 |
| 23                   | 20               | 0.6             | 12                 | 5.321                  | 1                                 |
| 24                   | 14               | 0.8571429       | 12                 | 5.324                  | 1                                 |
| 25                   | 13               | 0.9230769       | 12                 | 5.324                  | 1                                 |
| 26                   | 8                | 1.5             | 12                 | 5.327                  | 1                                 |
| 27                   | 17               | 0.7058824       | 12                 | 5.322                  | 1                                 |
| 28                   | 19               | 0.6315789       | 12                 | 5.321                  | 1                                 |
| 29                   | 12               | 1               | 12                 | 5.325                  | 1                                 |
| 30                   | 18               | 0.6666667       | 12                 | 5.322                  | 1                                 |
| Detection Percentage |                  |                 |                    | Limit >80%             | 100%                              |

**Note:** Type 5 radar parameter data sheet, please refer to Appendix C



**Type 6 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 2                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 3                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 4                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 5                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 6                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 7                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 8                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 9                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 10                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 11                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 12                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 13                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 14                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 15                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 16                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 17                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 18                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 19                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 20                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 21                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 22                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 23                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 24                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 25                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 26                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 27                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 28                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 29                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 30                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| Detection Percentage |                  |          |                  | Limit >70%          | 100%                              |

**Modulation Mode: 802.11ax HE80 (Band 3)**

| Radar Type | Number of Trials | Number of Successful Detections | Probability | Limit | Result |
|------------|------------------|---------------------------------|-------------|-------|--------|
| 1          | 30               | 30                              | 100%        | 60%   | Pass   |
| 2          | 30               | 29                              | 97%         | 60%   | Pass   |
| 3          | 30               | 24                              | 80%         | 60%   | Pass   |
| 4          | 30               | 25                              | 83%         | 60%   | Pass   |
| Average    |                  |                                 | 90%         | 80%   | Pass   |
| 5          | 30               | 29                              | 97%         | 80%   | Pass   |
| 6          | 30               | 30                              | 100%        | 70%   | Pass   |

**Type 1 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 938      | 57               | 53466               | 1                                 |
| 2                    | 1                | 698      | 76               | 53048               | 1                                 |
| 3                    | 1                | 618      | 86               | 53148               | 1                                 |
| 4                    | 1                | 538      | 99               | 53262               | 1                                 |
| 5                    | 1                | 878      | 61               | 53558               | 1                                 |
| 6                    | 1                | 3066     | 18               | 55188               | 1                                 |
| 7                    | 1                | 638      | 83               | 52954               | 1                                 |
| 8                    | 1                | 918      | 58               | 53244               | 1                                 |
| 9                    | 1                | 838      | 63               | 52794               | 1                                 |
| 10                   | 1                | 858      | 62               | 53196               | 1                                 |
| 11                   | 1                | 798      | 67               | 53466               | 1                                 |
| 12                   | 1                | 718      | 74               | 53132               | 1                                 |
| 13                   | 1                | 578      | 92               | 53176               | 1                                 |
| 14                   | 1                | 598      | 89               | 53222               | 1                                 |
| 15                   | 1                | 558      | 95               | 53010               | 1                                 |
| 16                   | 1                | 2536     | 21               | 53256               | 1                                 |
| 17                   | 1                | 966      | 55               | 53130               | 1                                 |
| 18                   | 1                | 827      | 64               | 52928               | 1                                 |
| 19                   | 1                | 2501     | 22               | 55022               | 1                                 |
| 20                   | 1                | 2595     | 21               | 54495               | 1                                 |
| 21                   | 1                | 1114     | 48               | 53472               | 1                                 |
| 22                   | 1                | 1302     | 41               | 53382               | 1                                 |
| 23                   | 1                | 3045     | 18               | 54810               | 1                                 |
| 24                   | 1                | 1624     | 33               | 53592               | 1                                 |
| 25                   | 1                | 2878     | 19               | 54682               | 1                                 |
| 26                   | 1                | 1027     | 52               | 53404               | 1                                 |
| 27                   | 1                | 2485     | 22               | 54670               | 1                                 |
| 28                   | 1                | 1600     | 33               | 52800               | 1                                 |
| 29                   | 1                | 1172     | 46               | 53912               | 1                                 |
| 30                   | 1                | 1177     | 45               | 52965               | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 100%                              |

**Type 2 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 3.2              | 179      | 26               | 4654                | 1                                 |
| 2                    | 1.1              | 207      | 23               | 4761                | 1                                 |
| 3                    | 2.1              | 230      | 24               | 5520                | 1                                 |
| 4                    | 4.8              | 200      | 29               | 5800                | 1                                 |
| 5                    | 3.9              | 214      | 28               | 5992                | 1                                 |
| 6                    | 2.9              | 222      | 26               | 5772                | 1                                 |
| 7                    | 3.2              | 204      | 26               | 5304                | 1                                 |
| 8                    | 2.5              | 192      | 25               | 4800                | 1                                 |
| 9                    | 3.1              | 164      | 26               | 4264                | 1                                 |
| 10                   | 1.2              | 156      | 23               | 3588                | 1                                 |
| 11                   | 3.9              | 210      | 27               | 5670                | 1                                 |
| 12                   | 4.6              | 201      | 29               | 5829                | 1                                 |
| 13                   | 3.2              | 162      | 26               | 4212                | 0                                 |
| 14                   | 2.2              | 197      | 25               | 4925                | 1                                 |
| 15                   | 4.5              | 163      | 29               | 4727                | 1                                 |
| 16                   | 3                | 203      | 26               | 5278                | 1                                 |
| 17                   | 5                | 168      | 29               | 4872                | 1                                 |
| 18                   | 2.4              | 217      | 25               | 5425                | 1                                 |
| 19                   | 2.9              | 191      | 26               | 4966                | 1                                 |
| 20                   | 2.3              | 166      | 25               | 4150                | 1                                 |
| 21                   | 3.7              | 150      | 27               | 4050                | 1                                 |
| 22                   | 2.2              | 176      | 25               | 4400                | 1                                 |
| 23                   | 4.9              | 195      | 29               | 5655                | 1                                 |
| 24                   | 2.9              | 202      | 26               | 5252                | 1                                 |
| 25                   | 2.5              | 178      | 25               | 4450                | 1                                 |
| 26                   | 1.1              | 206      | 23               | 4738                | 1                                 |
| 27                   | 3.8              | 155      | 27               | 4185                | 1                                 |
| 28                   | 4.7              | 157      | 29               | 4553                | 1                                 |
| 29                   | 2.4              | 224      | 25               | 5600                | 1                                 |
| 30                   | 4.2              | 159      | 28               | 4452                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 97%                               |

**Type 3 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 8.2              | 355      | 17               | 6035                | 0                                 |
| 2                    | 6.1              | 487      | 16               | 7792                | 1                                 |
| 3                    | 7.1              | 344      | 16               | 5504                | 1                                 |
| 4                    | 9.8              | 288      | 18               | 5184                | 1                                 |
| 5                    | 8.9              | 230      | 18               | 4140                | 1                                 |
| 6                    | 7.9              | 432      | 17               | 7344                | 0                                 |
| 7                    | 8.2              | 207      | 17               | 3519                | 1                                 |
| 8                    | 7.5              | 443      | 17               | 7531                | 1                                 |
| 9                    | 8.1              | 439      | 17               | 7463                | 1                                 |
| 10                   | 6.2              | 223      | 16               | 3568                | 1                                 |
| 11                   | 8.9              | 208      | 18               | 3744                | 0                                 |
| 12                   | 9.6              | 463      | 18               | 8334                | 1                                 |
| 13                   | 8.2              | 441      | 17               | 7497                | 1                                 |
| 14                   | 7.2              | 323      | 16               | 5168                | 1                                 |
| 15                   | 9.5              | 297      | 18               | 5346                | 1                                 |
| 16                   | 8                | 412      | 17               | 7004                | 1                                 |
| 17                   | 10               | 324      | 18               | 5832                | 1                                 |
| 18                   | 7.4              | 271      | 17               | 4607                | 1                                 |
| 19                   | 7.9              | 349      | 17               | 5933                | 0                                 |
| 20                   | 7.3              | 409      | 16               | 6544                | 1                                 |
| 21                   | 8.7              | 373      | 18               | 6714                | 1                                 |
| 22                   | 7.2              | 254      | 16               | 4064                | 0                                 |
| 23                   | 9.9              | 274      | 18               | 4932                | 1                                 |
| 24                   | 7.9              | 278      | 17               | 4726                | 1                                 |
| 25                   | 7.5              | 317      | 17               | 5389                | 1                                 |
| 26                   | 6.1              | 260      | 16               | 4160                | 1                                 |
| 27                   | 8.8              | 211      | 18               | 3798                | 1                                 |
| 28                   | 9.7              | 272      | 18               | 4896                | 1                                 |
| 29                   | 7.4              | 264      | 17               | 4488                | 0                                 |
| 30                   | 9.2              | 284      | 18               | 5112                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 80%                               |

**Type 4 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 16               | 355      | 14               | 4970                | 1                                 |
| 2                    | 11.3             | 487      | 12               | 5844                | 1                                 |
| 3                    | 13.5             | 344      | 13               | 4472                | 1                                 |
| 4                    | 19.4             | 288      | 16               | 4608                | 1                                 |
| 5                    | 17.5             | 230      | 15               | 3450                | 1                                 |
| 6                    | 15.3             | 432      | 14               | 6048                | 1                                 |
| 7                    | 15.9             | 207      | 14               | 2898                | 1                                 |
| 8                    | 14.3             | 443      | 13               | 5759                | 1                                 |
| 9                    | 15.8             | 439      | 14               | 6146                | 1                                 |
| 10                   | 11.5             | 223      | 12               | 2676                | 1                                 |
| 11                   | 17.4             | 208      | 15               | 3120                | 0                                 |
| 12                   | 19               | 463      | 16               | 7408                | 1                                 |
| 13                   | 16               | 441      | 14               | 6174                | 1                                 |
| 14                   | 13.8             | 323      | 13               | 4199                | 0                                 |
| 15                   | 18.9             | 297      | 16               | 4752                | 1                                 |
| 16                   | 15.5             | 412      | 14               | 5768                | 1                                 |
| 17                   | 19.9             | 324      | 16               | 5184                | 1                                 |
| 18                   | 14.1             | 271      | 13               | 3523                | 1                                 |
| 19                   | 15.2             | 349      | 14               | 4886                | 1                                 |
| 20                   | 13.8             | 409      | 13               | 5317                | 0                                 |
| 21                   | 17.1             | 373      | 15               | 5595                | 1                                 |
| 22                   | 13.8             | 254      | 13               | 3302                | 0                                 |
| 23                   | 19.8             | 274      | 16               | 4384                | 1                                 |
| 24                   | 15.3             | 278      | 14               | 3892                | 1                                 |
| 25                   | 14.5             | 317      | 13               | 4121                | 1                                 |
| 26                   | 11.3             | 260      | 12               | 3120                | 1                                 |
| 27                   | 17.3             | 211      | 15               | 3165                | 1                                 |
| 28                   | 19.2             | 272      | 16               | 4352                | 0                                 |
| 29                   | 14.2             | 264      | 13               | 3432                | 1                                 |
| 30                   | 18.2             | 284      | 15               | 4260                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 83%                               |

**Type 5 Radar Statistical Performance**

| Trial Number         | Number of Bursts | Burst Period(s) | Waveform Length(s) | Center Frequency (GHz) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|-----------------|--------------------|------------------------|-----------------------------------|
| 1                    | 15               | 0.8             | 12                 | 5.53                   | 1                                 |
| 2                    | 8                | 1.5             | 12                 | 5.53                   | 1                                 |
| 3                    | 11               | 1.0909091       | 12                 | 5.53                   | 1                                 |
| 4                    | 20               | 0.6             | 12                 | 5.53                   | 1                                 |
| 5                    | 17               | 0.7058824       | 12                 | 5.53                   | 1                                 |
| 6                    | 14               | 0.8571429       | 12                 | 5.53                   | 1                                 |
| 7                    | 15               | 0.8             | 12                 | 5.53                   | 1                                 |
| 8                    | 12               | 1               | 12                 | 5.53                   | 1                                 |
| 9                    | 14               | 0.8571429       | 12                 | 5.53                   | 1                                 |
| 10                   | 8                | 1.5             | 12                 | 5.53                   | 1                                 |
| 11                   | 17               | 0.7058824       | 12                 | 5.498                  | 1                                 |
| 12                   | 19               | 0.6315789       | 12                 | 5.499                  | 1                                 |
| 13                   | 15               | 0.8             | 12                 | 5.496                  | 1                                 |
| 14                   | 12               | 1               | 12                 | 5.495                  | 1                                 |
| 15                   | 19               | 0.6315789       | 12                 | 5.498                  | 0                                 |
| 16                   | 14               | 0.8571429       | 12                 | 5.496                  | 1                                 |
| 17                   | 20               | 0.6             | 12                 | 5.499                  | 1                                 |
| 18                   | 12               | 1               | 12                 | 5.495                  | 1                                 |
| 19                   | 14               | 0.8571429       | 12                 | 5.496                  | 1                                 |
| 20                   | 12               | 1               | 12                 | 5.495                  | 1                                 |
| 21                   | 16               | 0.75            | 12                 | 5.563                  | 1                                 |
| 22                   | 12               | 1               | 12                 | 5.565                  | 1                                 |
| 23                   | 20               | 0.6             | 12                 | 5.561                  | 1                                 |
| 24                   | 14               | 0.8571429       | 12                 | 5.564                  | 1                                 |
| 25                   | 13               | 0.9230769       | 12                 | 5.564                  | 1                                 |
| 26                   | 8                | 1.5             | 12                 | 5.567                  | 1                                 |
| 27                   | 17               | 0.7058824       | 12                 | 5.562                  | 1                                 |
| 28                   | 19               | 0.6315789       | 12                 | 5.561                  | 1                                 |
| 29                   | 12               | 1               | 12                 | 5.565                  | 1                                 |
| 30                   | 18               | 0.6666667       | 12                 | 5.562                  | 1                                 |
| Detection Percentage |                  |                 |                    | Limit >80%             | 97%                               |

**Note:** Type 5 radar parameter data sheet, please refer to Appendix C

**Type 6 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 2                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 3                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 4                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 5                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 6                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 7                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 8                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 9                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 10                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 11                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 12                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 13                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 14                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 15                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 16                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 17                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 18                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 19                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 20                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 21                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 22                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 23                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 24                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 25                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 26                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 27                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 28                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 29                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 30                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| Detection Percentage |                  |          |                  | Limit >70%          | 100%                              |



**Modulation Mode: 802.11ax HE160 (Band 2)**

| Radar Type | Number of Trials | Number of Successful Detections | Probability | Limit | Result |
|------------|------------------|---------------------------------|-------------|-------|--------|
| 1          | 30               | 28                              | 93%         | 60%   | Pass   |
| 2          | 30               | 27                              | 90%         | 60%   | Pass   |
| 3          | 30               | 25                              | 83%         | 60%   | Pass   |
| 4          | 30               | 23                              | 77%         | 60%   | Pass   |
| Average    |                  |                                 | 86%         | 80%   | Pass   |
| 5          | 30               | 28                              | 93%         | 80%   | Pass   |
| 6          | 30               | 30                              | 100%        | 70%   | Pass   |

**Type 1 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 938      | 57               | 53466               | 1                                 |
| 2                    | 1                | 698      | 76               | 53048               | 1                                 |
| 3                    | 1                | 618      | 86               | 53148               | 1                                 |
| 4                    | 1                | 538      | 99               | 53262               | 0                                 |
| 5                    | 1                | 878      | 61               | 53558               | 1                                 |
| 6                    | 1                | 3066     | 18               | 55188               | 1                                 |
| 7                    | 1                | 638      | 83               | 52954               | 1                                 |
| 8                    | 1                | 918      | 58               | 53244               | 1                                 |
| 9                    | 1                | 838      | 63               | 52794               | 1                                 |
| 10                   | 1                | 858      | 62               | 53196               | 1                                 |
| 11                   | 1                | 798      | 67               | 53466               | 1                                 |
| 12                   | 1                | 718      | 74               | 53132               | 1                                 |
| 13                   | 1                | 578      | 92               | 53176               | 1                                 |
| 14                   | 1                | 598      | 89               | 53222               | 1                                 |
| 15                   | 1                | 558      | 95               | 53010               | 1                                 |
| 16                   | 1                | 2536     | 21               | 53256               | 1                                 |
| 17                   | 1                | 966      | 55               | 53130               | 1                                 |
| 18                   | 1                | 827      | 64               | 52928               | 1                                 |
| 19                   | 1                | 2501     | 22               | 55022               | 1                                 |
| 20                   | 1                | 2595     | 21               | 54495               | 1                                 |
| 21                   | 1                | 1114     | 48               | 53472               | 1                                 |
| 22                   | 1                | 1302     | 41               | 53382               | 1                                 |
| 23                   | 1                | 3045     | 18               | 54810               | 1                                 |
| 24                   | 1                | 1624     | 33               | 53592               | 1                                 |
| 25                   | 1                | 2878     | 19               | 54682               | 0                                 |
| 26                   | 1                | 1027     | 52               | 53404               | 1                                 |
| 27                   | 1                | 2485     | 22               | 54670               | 1                                 |
| 28                   | 1                | 1600     | 33               | 52800               | 1                                 |
| 29                   | 1                | 1172     | 46               | 53912               | 1                                 |
| 30                   | 1                | 1177     | 45               | 52965               | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 93%                               |

**Type 2 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 3.2              | 179      | 26               | 4654                | 1                                 |
| 2                    | 1.1              | 207      | 23               | 4761                | 1                                 |
| 3                    | 2.1              | 230      | 24               | 5520                | 0                                 |
| 4                    | 4.8              | 200      | 29               | 5800                | 1                                 |
| 5                    | 3.9              | 214      | 28               | 5992                | 1                                 |
| 6                    | 2.9              | 222      | 26               | 5772                | 1                                 |
| 7                    | 3.2              | 204      | 26               | 5304                | 1                                 |
| 8                    | 2.5              | 192      | 25               | 4800                | 1                                 |
| 9                    | 3.1              | 164      | 26               | 4264                | 1                                 |
| 10                   | 1.2              | 156      | 23               | 3588                | 1                                 |
| 11                   | 3.9              | 210      | 27               | 5670                | 1                                 |
| 12                   | 4.6              | 201      | 29               | 5829                | 1                                 |
| 13                   | 3.2              | 162      | 26               | 4212                | 1                                 |
| 14                   | 2.2              | 197      | 25               | 4925                | 0                                 |
| 15                   | 4.5              | 163      | 29               | 4727                | 1                                 |
| 16                   | 3                | 203      | 26               | 5278                | 1                                 |
| 17                   | 5                | 168      | 29               | 4872                | 1                                 |
| 18                   | 2.4              | 217      | 25               | 5425                | 1                                 |
| 19                   | 2.9              | 191      | 26               | 4966                | 1                                 |
| 20                   | 2.3              | 166      | 25               | 4150                | 1                                 |
| 21                   | 3.7              | 150      | 27               | 4050                | 1                                 |
| 22                   | 2.2              | 176      | 25               | 4400                | 1                                 |
| 23                   | 4.9              | 195      | 29               | 5655                | 1                                 |
| 24                   | 2.9              | 202      | 26               | 5252                | 1                                 |
| 25                   | 2.5              | 178      | 25               | 4450                | 1                                 |
| 26                   | 1.1              | 206      | 23               | 4738                | 1                                 |
| 27                   | 3.8              | 155      | 27               | 4185                | 1                                 |
| 28                   | 4.7              | 157      | 29               | 4553                | 1                                 |
| 29                   | 2.4              | 224      | 25               | 5600                | 0                                 |
| 30                   | 4.2              | 159      | 28               | 4452                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 90%                               |

**Type 3 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 8.2              | 355      | 17               | 6035                | 1                                 |
| 2                    | 6.1              | 487      | 16               | 7792                | 1                                 |
| 3                    | 7.1              | 344      | 16               | 5504                | 0                                 |
| 4                    | 9.8              | 288      | 18               | 5184                | 0                                 |
| 5                    | 8.9              | 230      | 18               | 4140                | 1                                 |
| 6                    | 7.9              | 432      | 17               | 7344                | 1                                 |
| 7                    | 8.2              | 207      | 17               | 3519                | 1                                 |
| 8                    | 7.5              | 443      | 17               | 7531                | 1                                 |
| 9                    | 8.1              | 439      | 17               | 7463                | 1                                 |
| 10                   | 6.2              | 223      | 16               | 3568                | 0                                 |
| 11                   | 8.9              | 208      | 18               | 3744                | 1                                 |
| 12                   | 9.6              | 463      | 18               | 8334                | 1                                 |
| 13                   | 8.2              | 441      | 17               | 7497                | 1                                 |
| 14                   | 7.2              | 323      | 16               | 5168                | 1                                 |
| 15                   | 9.5              | 297      | 18               | 5346                | 1                                 |
| 16                   | 8                | 412      | 17               | 7004                | 1                                 |
| 17                   | 10               | 324      | 18               | 5832                | 1                                 |
| 18                   | 7.4              | 271      | 17               | 4607                | 1                                 |
| 19                   | 7.9              | 349      | 17               | 5933                | 1                                 |
| 20                   | 7.3              | 409      | 16               | 6544                | 1                                 |
| 21                   | 8.7              | 373      | 18               | 6714                | 0                                 |
| 22                   | 7.2              | 254      | 16               | 4064                | 1                                 |
| 23                   | 9.9              | 274      | 18               | 4932                | 1                                 |
| 24                   | 7.9              | 278      | 17               | 4726                | 1                                 |
| 25                   | 7.5              | 317      | 17               | 5389                | 1                                 |
| 26                   | 6.1              | 260      | 16               | 4160                | 1                                 |
| 27                   | 8.8              | 211      | 18               | 3798                | 0                                 |
| 28                   | 9.7              | 272      | 18               | 4896                | 1                                 |
| 29                   | 7.4              | 264      | 17               | 4488                | 1                                 |
| 30                   | 9.2              | 284      | 18               | 5112                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 83%                               |

**Type 4 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 16               | 355      | 14               | 4970                | 1                                 |
| 2                    | 11.3             | 487      | 12               | 5844                | 1                                 |
| 3                    | 13.5             | 344      | 13               | 4472                | 0                                 |
| 4                    | 19.4             | 288      | 16               | 4608                | 0                                 |
| 5                    | 17.5             | 230      | 15               | 3450                | 1                                 |
| 6                    | 15.3             | 432      | 14               | 6048                | 1                                 |
| 7                    | 15.9             | 207      | 14               | 2898                | 1                                 |
| 8                    | 14.3             | 443      | 13               | 5759                | 1                                 |
| 9                    | 15.8             | 439      | 14               | 6146                | 1                                 |
| 10                   | 11.5             | 223      | 12               | 2676                | 1                                 |
| 11                   | 17.4             | 208      | 15               | 3120                | 1                                 |
| 12                   | 19               | 463      | 16               | 7408                | 0                                 |
| 13                   | 16               | 441      | 14               | 6174                | 1                                 |
| 14                   | 13.8             | 323      | 13               | 4199                | 0                                 |
| 15                   | 18.9             | 297      | 16               | 4752                | 1                                 |
| 16                   | 15.5             | 412      | 14               | 5768                | 1                                 |
| 17                   | 19.9             | 324      | 16               | 5184                | 1                                 |
| 18                   | 14.1             | 271      | 13               | 3523                | 1                                 |
| 19                   | 15.2             | 349      | 14               | 4886                | 0                                 |
| 20                   | 13.8             | 409      | 13               | 5317                | 1                                 |
| 21                   | 17.1             | 373      | 15               | 5595                | 1                                 |
| 22                   | 13.8             | 254      | 13               | 3302                | 1                                 |
| 23                   | 19.8             | 274      | 16               | 4384                | 1                                 |
| 24                   | 15.3             | 278      | 14               | 3892                | 1                                 |
| 25                   | 14.5             | 317      | 13               | 4121                | 1                                 |
| 26                   | 11.3             | 260      | 12               | 3120                | 0                                 |
| 27                   | 17.3             | 211      | 15               | 3165                | 0                                 |
| 28                   | 19.2             | 272      | 16               | 4352                | 1                                 |
| 29                   | 14.2             | 264      | 13               | 3432                | 1                                 |
| 30                   | 18.2             | 284      | 15               | 4260                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 77%                               |

**Type 5 Radar Statistical Performance**

| Trial Number         | Number of Bursts | Burst Period(s) | Waveform Length(s) | Center Frequency (GHz) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|-----------------|--------------------|------------------------|-----------------------------------|
| 1                    | 15               | 0.8             | 12                 | 5.29                   | 1                                 |
| 2                    | 8                | 1.5             | 12                 | 5.29                   | 1                                 |
| 3                    | 11               | 1.0909091       | 12                 | 5.29                   | 1                                 |
| 4                    | 20               | 0.6             | 12                 | 5.29                   | 1                                 |
| 5                    | 17               | 0.7058824       | 12                 | 5.29                   | 1                                 |
| 6                    | 14               | 0.8571429       | 12                 | 5.29                   | 1                                 |
| 7                    | 15               | 0.8             | 12                 | 5.29                   | 1                                 |
| 8                    | 12               | 1               | 12                 | 5.29                   | 1                                 |
| 9                    | 14               | 0.8571429       | 12                 | 5.29                   | 1                                 |
| 10                   | 8                | 1.5             | 12                 | 5.29                   | 1                                 |
| 11                   | 17               | 0.7058824       | 12                 | 5.256                  | 1                                 |
| 12                   | 19               | 0.6315789       | 12                 | 5.258                  | 1                                 |
| 13                   | 15               | 0.8             | 12                 | 5.255                  | 1                                 |
| 14                   | 12               | 1               | 12                 | 5.254                  | 1                                 |
| 15                   | 19               | 0.6315789       | 12                 | 5.257                  | 0                                 |
| 16                   | 14               | 0.8571429       | 12                 | 5.255                  | 1                                 |
| 17                   | 20               | 0.6             | 12                 | 5.258                  | 0                                 |
| 18                   | 12               | 1               | 12                 | 5.254                  | 1                                 |
| 19                   | 14               | 0.8571429       | 12                 | 5.255                  | 1                                 |
| 20                   | 12               | 1               | 12                 | 5.254                  | 1                                 |
| 21                   | 16               | 0.75            | 12                 | 5.324                  | 1                                 |
| 22                   | 12               | 1               | 12                 | 5.326                  | 1                                 |
| 23                   | 20               | 0.6             | 12                 | 5.322                  | 1                                 |
| 24                   | 14               | 0.8571429       | 12                 | 5.325                  | 1                                 |
| 25                   | 13               | 0.9230769       | 12                 | 5.326                  | 1                                 |
| 26                   | 8                | 1.5             | 12                 | 5.328                  | 1                                 |
| 27                   | 17               | 0.7058824       | 12                 | 5.324                  | 1                                 |
| 28                   | 19               | 0.6315789       | 12                 | 5.322                  | 1                                 |
| 29                   | 12               | 1               | 12                 | 5.326                  | 1                                 |
| 30                   | 18               | 0.6666667       | 12                 | 5.323                  | 1                                 |
| Detection Percentage |                  |                 |                    | Limit >80%             | 93%                               |

**Note:** Type 5 radar parameter data sheet, please refer to Appendix C

**Type 6 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 2                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 3                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 4                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 5                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 6                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 7                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 8                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 9                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 10                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 11                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 12                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 13                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 14                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 15                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 16                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 17                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 18                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 19                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 20                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 21                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 22                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 23                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 24                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 25                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 26                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 27                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 28                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 29                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 30                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| Detection Percentage |                  |          |                  | Limit >70%          | 100%                              |

**Modulation Mode: 802.11ax HE160 (Band 3)**

| Radar Type | Number of Trials | Number of Successful Detections | Probability | Limit | Result |
|------------|------------------|---------------------------------|-------------|-------|--------|
| 1          | 30               | 30                              | 100%        | 60%   | Pass   |
| 2          | 30               | 28                              | 93%         | 60%   | Pass   |
| 3          | 30               | 25                              | 83%         | 60%   | Pass   |
| 4          | 30               | 24                              | 80%         | 60%   | Pass   |
| Average    |                  |                                 | 89%         | 80%   | Pass   |
| 5          | 30               | 27                              | 90%         | 80%   | Pass   |
| 6          | 30               | 30                              | 100%        | 70%   | Pass   |



**Type 1 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 938      | 57               | 53466               | 1                                 |
| 2                    | 1                | 698      | 76               | 53048               | 1                                 |
| 3                    | 1                | 618      | 86               | 53148               | 1                                 |
| 4                    | 1                | 538      | 99               | 53262               | 1                                 |
| 5                    | 1                | 878      | 61               | 53558               | 1                                 |
| 6                    | 1                | 3066     | 18               | 55188               | 1                                 |
| 7                    | 1                | 638      | 83               | 52954               | 1                                 |
| 8                    | 1                | 918      | 58               | 53244               | 1                                 |
| 9                    | 1                | 838      | 63               | 52794               | 1                                 |
| 10                   | 1                | 858      | 62               | 53196               | 1                                 |
| 11                   | 1                | 798      | 67               | 53466               | 1                                 |
| 12                   | 1                | 718      | 74               | 53132               | 1                                 |
| 13                   | 1                | 578      | 92               | 53176               | 1                                 |
| 14                   | 1                | 598      | 89               | 53222               | 1                                 |
| 15                   | 1                | 558      | 95               | 53010               | 1                                 |
| 16                   | 1                | 2536     | 21               | 53256               | 1                                 |
| 17                   | 1                | 966      | 55               | 53130               | 1                                 |
| 18                   | 1                | 827      | 64               | 52928               | 1                                 |
| 19                   | 1                | 2501     | 22               | 55022               | 1                                 |
| 20                   | 1                | 2595     | 21               | 54495               | 1                                 |
| 21                   | 1                | 1114     | 48               | 53472               | 1                                 |
| 22                   | 1                | 1302     | 41               | 53382               | 1                                 |
| 23                   | 1                | 3045     | 18               | 54810               | 1                                 |
| 24                   | 1                | 1624     | 33               | 53592               | 1                                 |
| 25                   | 1                | 2878     | 19               | 54682               | 1                                 |
| 26                   | 1                | 1027     | 52               | 53404               | 1                                 |
| 27                   | 1                | 2485     | 22               | 54670               | 1                                 |
| 28                   | 1                | 1600     | 33               | 52800               | 1                                 |
| 29                   | 1                | 1172     | 46               | 53912               | 1                                 |
| 30                   | 1                | 1177     | 45               | 52965               | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 100%                              |

**Type 2 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 3.2              | 179      | 26               | 4654                | 1                                 |
| 2                    | 1.1              | 207      | 23               | 4761                | 1                                 |
| 3                    | 2.1              | 230      | 24               | 5520                | 1                                 |
| 4                    | 4.8              | 200      | 29               | 5800                | 1                                 |
| 5                    | 3.9              | 214      | 28               | 5992                | 1                                 |
| 6                    | 2.9              | 222      | 26               | 5772                | 1                                 |
| 7                    | 3.2              | 204      | 26               | 5304                | 1                                 |
| 8                    | 2.5              | 192      | 25               | 4800                | 1                                 |
| 9                    | 3.1              | 164      | 26               | 4264                | 1                                 |
| 10                   | 1.2              | 156      | 23               | 3588                | 1                                 |
| 11                   | 3.9              | 210      | 27               | 5670                | 1                                 |
| 12                   | 4.6              | 201      | 29               | 5829                | 0                                 |
| 13                   | 3.2              | 162      | 26               | 4212                | 1                                 |
| 14                   | 2.2              | 197      | 25               | 4925                | 1                                 |
| 15                   | 4.5              | 163      | 29               | 4727                | 1                                 |
| 16                   | 3                | 203      | 26               | 5278                | 1                                 |
| 17                   | 5                | 168      | 29               | 4872                | 1                                 |
| 18                   | 2.4              | 217      | 25               | 5425                | 1                                 |
| 19                   | 2.9              | 191      | 26               | 4966                | 1                                 |
| 20                   | 2.3              | 166      | 25               | 4150                | 1                                 |
| 21                   | 3.7              | 150      | 27               | 4050                | 1                                 |
| 22                   | 2.2              | 176      | 25               | 4400                | 1                                 |
| 23                   | 4.9              | 195      | 29               | 5655                | 1                                 |
| 24                   | 2.9              | 202      | 26               | 5252                | 1                                 |
| 25                   | 2.5              | 178      | 25               | 4450                | 1                                 |
| 26                   | 1.1              | 206      | 23               | 4738                | 0                                 |
| 27                   | 3.8              | 155      | 27               | 4185                | 1                                 |
| 28                   | 4.7              | 157      | 29               | 4553                | 1                                 |
| 29                   | 2.4              | 224      | 25               | 5600                | 1                                 |
| 30                   | 4.2              | 159      | 28               | 4452                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 93%                               |

**Type 3 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 8.2              | 355      | 17               | 6035                | 1                                 |
| 2                    | 6.1              | 487      | 16               | 7792                | 1                                 |
| 3                    | 7.1              | 344      | 16               | 5504                | 1                                 |
| 4                    | 9.8              | 288      | 18               | 5184                | 1                                 |
| 5                    | 8.9              | 230      | 18               | 4140                | 1                                 |
| 6                    | 7.9              | 432      | 17               | 7344                | 1                                 |
| 7                    | 8.2              | 207      | 17               | 3519                | 1                                 |
| 8                    | 7.5              | 443      | 17               | 7531                | 0                                 |
| 9                    | 8.1              | 439      | 17               | 7463                | 1                                 |
| 10                   | 6.2              | 223      | 16               | 3568                | 0                                 |
| 11                   | 8.9              | 208      | 18               | 3744                | 1                                 |
| 12                   | 9.6              | 463      | 18               | 8334                | 1                                 |
| 13                   | 8.2              | 441      | 17               | 7497                | 1                                 |
| 14                   | 7.2              | 323      | 16               | 5168                | 1                                 |
| 15                   | 9.5              | 297      | 18               | 5346                | 1                                 |
| 16                   | 8                | 412      | 17               | 7004                | 1                                 |
| 17                   | 10               | 324      | 18               | 5832                | 0                                 |
| 18                   | 7.4              | 271      | 17               | 4607                | 1                                 |
| 19                   | 7.9              | 349      | 17               | 5933                | 1                                 |
| 20                   | 7.3              | 409      | 16               | 6544                | 1                                 |
| 21                   | 8.7              | 373      | 18               | 6714                | 1                                 |
| 22                   | 7.2              | 254      | 16               | 4064                | 0                                 |
| 23                   | 9.9              | 274      | 18               | 4932                | 1                                 |
| 24                   | 7.9              | 278      | 17               | 4726                | 1                                 |
| 25                   | 7.5              | 317      | 17               | 5389                | 1                                 |
| 26                   | 6.1              | 260      | 16               | 4160                | 1                                 |
| 27                   | 8.8              | 211      | 18               | 3798                | 1                                 |
| 28                   | 9.7              | 272      | 18               | 4896                | 0                                 |
| 29                   | 7.4              | 264      | 17               | 4488                | 1                                 |
| 30                   | 9.2              | 284      | 18               | 5112                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 83%                               |

**Type 4 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 16               | 355      | 14               | 4970                | 1                                 |
| 2                    | 11.3             | 487      | 12               | 5844                | 1                                 |
| 3                    | 13.5             | 344      | 13               | 4472                | 1                                 |
| 4                    | 19.4             | 288      | 16               | 4608                | 1                                 |
| 5                    | 17.5             | 230      | 15               | 3450                | 1                                 |
| 6                    | 15.3             | 432      | 14               | 6048                | 0                                 |
| 7                    | 15.9             | 207      | 14               | 2898                | 0                                 |
| 8                    | 14.3             | 443      | 13               | 5759                | 1                                 |
| 9                    | 15.8             | 439      | 14               | 6146                | 1                                 |
| 10                   | 11.5             | 223      | 12               | 2676                | 1                                 |
| 11                   | 17.4             | 208      | 15               | 3120                | 1                                 |
| 12                   | 19               | 463      | 16               | 7408                | 1                                 |
| 13                   | 16               | 441      | 14               | 6174                | 1                                 |
| 14                   | 13.8             | 323      | 13               | 4199                | 1                                 |
| 15                   | 18.9             | 297      | 16               | 4752                | 1                                 |
| 16                   | 15.5             | 412      | 14               | 5768                | 1                                 |
| 17                   | 19.9             | 324      | 16               | 5184                | 0                                 |
| 18                   | 14.1             | 271      | 13               | 3523                | 1                                 |
| 19                   | 15.2             | 349      | 14               | 4886                | 1                                 |
| 20                   | 13.8             | 409      | 13               | 5317                | 0                                 |
| 21                   | 17.1             | 373      | 15               | 5595                | 1                                 |
| 22                   | 13.8             | 254      | 13               | 3302                | 1                                 |
| 23                   | 19.8             | 274      | 16               | 4384                | 1                                 |
| 24                   | 15.3             | 278      | 14               | 3892                | 1                                 |
| 25                   | 14.5             | 317      | 13               | 4121                | 0                                 |
| 26                   | 11.3             | 260      | 12               | 3120                | 1                                 |
| 27                   | 17.3             | 211      | 15               | 3165                | 0                                 |
| 28                   | 19.2             | 272      | 16               | 4352                | 1                                 |
| 29                   | 14.2             | 264      | 13               | 3432                | 1                                 |
| 30                   | 18.2             | 284      | 15               | 4260                | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 80%                               |

**Type 5 Radar Statistical Performance**

| Trial Number         | Number of Bursts | Burst Period(s) | Waveform Length(s) | Center Frequency (GHz) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|-----------------|--------------------|------------------------|-----------------------------------|
| 1                    | 15               | 0.8             | 12                 | 5.57                   | 1                                 |
| 2                    | 8                | 1.5             | 12                 | 5.57                   | 1                                 |
| 3                    | 11               | 1.0909091       | 12                 | 5.57                   | 0                                 |
| 4                    | 20               | 0.6             | 12                 | 5.57                   | 1                                 |
| 5                    | 17               | 0.7058824       | 12                 | 5.57                   | 1                                 |
| 6                    | 14               | 0.8571429       | 12                 | 5.57                   | 1                                 |
| 7                    | 15               | 0.8             | 12                 | 5.57                   | 0                                 |
| 8                    | 12               | 1               | 12                 | 5.57                   | 0                                 |
| 9                    | 14               | 0.8571429       | 12                 | 5.57                   | 1                                 |
| 10                   | 8                | 1.5             | 12                 | 5.57                   | 1                                 |
| 11                   | 17               | 0.7058824       | 12                 | 5.498                  | 1                                 |
| 12                   | 19               | 0.6315789       | 12                 | 5.499                  | 1                                 |
| 13                   | 15               | 0.8             | 12                 | 5.497                  | 1                                 |
| 14                   | 12               | 1               | 12                 | 5.496                  | 1                                 |
| 15                   | 19               | 0.6315789       | 12                 | 5.499                  | 1                                 |
| 16                   | 14               | 0.8571429       | 12                 | 5.496                  | 1                                 |
| 17                   | 20               | 0.6             | 12                 | 5.5                    | 1                                 |
| 18                   | 12               | 1               | 12                 | 5.496                  | 1                                 |
| 19                   | 14               | 0.8571429       | 12                 | 5.496                  | 1                                 |
| 20                   | 12               | 1               | 12                 | 5.496                  | 1                                 |
| 21                   | 16               | 0.75            | 12                 | 5.642                  | 1                                 |
| 22                   | 12               | 1               | 12                 | 5.645                  | 1                                 |
| 23                   | 20               | 0.6             | 12                 | 5.64                   | 1                                 |
| 24                   | 14               | 0.8571429       | 12                 | 5.644                  | 1                                 |
| 25                   | 13               | 0.9230769       | 12                 | 5.644                  | 1                                 |
| 26                   | 8                | 1.5             | 12                 | 5.646                  | 1                                 |
| 27                   | 17               | 0.7058824       | 12                 | 5.642                  | 1                                 |
| 28                   | 19               | 0.6315789       | 12                 | 5.641                  | 1                                 |
| 29                   | 12               | 1               | 12                 | 5.644                  | 1                                 |
| 30                   | 18               | 0.6666667       | 12                 | 5.642                  | 1                                 |
| Detection Percentage |                  |                 |                    | Limit >80%             | 90%                               |

**Note:** Type 5 radar parameter data sheet, please refer to Appendix C

**Type 6 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 2                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 3                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 4                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 5                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 6                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 7                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 8                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 9                    | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 10                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 11                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 12                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 13                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 14                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 15                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 16                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 17                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 18                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 19                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 20                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 21                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 22                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 23                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 24                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 25                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 26                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 27                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 28                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 29                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| 30                   | 1                | 333.335  | 9                | 0.3333              | 1                                 |
| Detection Percentage |                  |          |                  | Limit >70%          | 100%                              |

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**Modulation Mode: TDWR 802.11ax HE20 (Band 3)**

| Radar Type | Number of Trials | Number of Successful Detections | Probability | Limit | Result |
|------------|------------------|---------------------------------|-------------|-------|--------|
| 1          | 30               | 29                              | 97%         | 60%   | Pass   |

**Type 1 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 938      | 57               | 53466               | 1                                 |
| 2                    | 1                | 698      | 76               | 53048               | 1                                 |
| 3                    | 1                | 618      | 86               | 53148               | 1                                 |
| 4                    | 1                | 538      | 99               | 53262               | 1                                 |
| 5                    | 1                | 878      | 61               | 53558               | 1                                 |
| 6                    | 1                | 3066     | 18               | 55188               | 0                                 |
| 7                    | 1                | 638      | 83               | 52954               | 1                                 |
| 8                    | 1                | 918      | 58               | 53244               | 1                                 |
| 9                    | 1                | 838      | 63               | 52794               | 1                                 |
| 10                   | 1                | 858      | 62               | 53196               | 1                                 |
| 11                   | 1                | 798      | 67               | 53466               | 1                                 |
| 12                   | 1                | 718      | 74               | 53132               | 1                                 |
| 13                   | 1                | 578      | 92               | 53176               | 1                                 |
| 14                   | 1                | 598      | 89               | 53222               | 1                                 |
| 15                   | 1                | 558      | 95               | 53010               | 1                                 |
| 16                   | 1                | 2536     | 21               | 53256               | 1                                 |
| 17                   | 1                | 966      | 55               | 53130               | 1                                 |
| 18                   | 1                | 827      | 64               | 52928               | 1                                 |
| 19                   | 1                | 2501     | 22               | 55022               | 1                                 |
| 20                   | 1                | 2595     | 21               | 54495               | 1                                 |
| 21                   | 1                | 1114     | 48               | 53472               | 1                                 |
| 22                   | 1                | 1302     | 41               | 53382               | 1                                 |
| 23                   | 1                | 3045     | 18               | 54810               | 1                                 |
| 24                   | 1                | 1624     | 33               | 53592               | 1                                 |
| 25                   | 1                | 2878     | 19               | 54682               | 1                                 |
| 26                   | 1                | 1027     | 52               | 53404               | 1                                 |
| 27                   | 1                | 2485     | 22               | 54670               | 1                                 |
| 28                   | 1                | 1600     | 33               | 52800               | 1                                 |
| 29                   | 1                | 1172     | 46               | 53912               | 1                                 |
| 30                   | 1                | 1177     | 45               | 52965               | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 97%                               |

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**Modulation Mode: TDWR 802.11ax HE40 (Band 3)**

| Radar Type | Number of Trials | Number of Successful Detections | Probability | Limit | Result |
|------------|------------------|---------------------------------|-------------|-------|--------|
| 1          | 30               | 30                              | 100%        | 60%   | Pass   |

**Type 1 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 938      | 57               | 53466               | 1                                 |
| 2                    | 1                | 698      | 76               | 53048               | 1                                 |
| 3                    | 1                | 618      | 86               | 53148               | 1                                 |
| 4                    | 1                | 538      | 99               | 53262               | 1                                 |
| 5                    | 1                | 878      | 61               | 53558               | 1                                 |
| 6                    | 1                | 3066     | 18               | 55188               | 1                                 |
| 7                    | 1                | 638      | 83               | 52954               | 1                                 |
| 8                    | 1                | 918      | 58               | 53244               | 1                                 |
| 9                    | 1                | 838      | 63               | 52794               | 1                                 |
| 10                   | 1                | 858      | 62               | 53196               | 1                                 |
| 11                   | 1                | 798      | 67               | 53466               | 1                                 |
| 12                   | 1                | 718      | 74               | 53132               | 1                                 |
| 13                   | 1                | 578      | 92               | 53176               | 1                                 |
| 14                   | 1                | 598      | 89               | 53222               | 1                                 |
| 15                   | 1                | 558      | 95               | 53010               | 1                                 |
| 16                   | 1                | 2536     | 21               | 53256               | 1                                 |
| 17                   | 1                | 966      | 55               | 53130               | 1                                 |
| 18                   | 1                | 827      | 64               | 52928               | 1                                 |
| 19                   | 1                | 2501     | 22               | 55022               | 1                                 |
| 20                   | 1                | 2595     | 21               | 54495               | 1                                 |
| 21                   | 1                | 1114     | 48               | 53472               | 1                                 |
| 22                   | 1                | 1302     | 41               | 53382               | 1                                 |
| 23                   | 1                | 3045     | 18               | 54810               | 1                                 |
| 24                   | 1                | 1624     | 33               | 53592               | 1                                 |
| 25                   | 1                | 2878     | 19               | 54682               | 1                                 |
| 26                   | 1                | 1027     | 52               | 53404               | 1                                 |
| 27                   | 1                | 2485     | 22               | 54670               | 1                                 |
| 28                   | 1                | 1600     | 33               | 52800               | 1                                 |
| 29                   | 1                | 1172     | 46               | 53912               | 1                                 |
| 30                   | 1                | 1177     | 45               | 52965               | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 100%                              |



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**Modulation Mode: TDWR 802.11ax HE80 (Band 3)**

| Radar Type | Number of Trials | Number of Successful Detections | Probability | Limit | Result |
|------------|------------------|---------------------------------|-------------|-------|--------|
| 1          | 30               | 30                              | 100%        | 60%   | Pass   |

**Type 1 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 938      | 57               | 53466               | 1                                 |
| 2                    | 1                | 698      | 76               | 53048               | 1                                 |
| 3                    | 1                | 618      | 86               | 53148               | 1                                 |
| 4                    | 1                | 538      | 99               | 53262               | 1                                 |
| 5                    | 1                | 878      | 61               | 53558               | 1                                 |
| 6                    | 1                | 3066     | 18               | 55188               | 1                                 |
| 7                    | 1                | 638      | 83               | 52954               | 1                                 |
| 8                    | 1                | 918      | 58               | 53244               | 1                                 |
| 9                    | 1                | 838      | 63               | 52794               | 1                                 |
| 10                   | 1                | 858      | 62               | 53196               | 1                                 |
| 11                   | 1                | 798      | 67               | 53466               | 1                                 |
| 12                   | 1                | 718      | 74               | 53132               | 1                                 |
| 13                   | 1                | 578      | 92               | 53176               | 1                                 |
| 14                   | 1                | 598      | 89               | 53222               | 1                                 |
| 15                   | 1                | 558      | 95               | 53010               | 1                                 |
| 16                   | 1                | 2536     | 21               | 53256               | 1                                 |
| 17                   | 1                | 966      | 55               | 53130               | 1                                 |
| 18                   | 1                | 827      | 64               | 52928               | 1                                 |
| 19                   | 1                | 2501     | 22               | 55022               | 1                                 |
| 20                   | 1                | 2595     | 21               | 54495               | 1                                 |
| 21                   | 1                | 1114     | 48               | 53472               | 1                                 |
| 22                   | 1                | 1302     | 41               | 53382               | 1                                 |
| 23                   | 1                | 3045     | 18               | 54810               | 1                                 |
| 24                   | 1                | 1624     | 33               | 53592               | 1                                 |
| 25                   | 1                | 2878     | 19               | 54682               | 1                                 |
| 26                   | 1                | 1027     | 52               | 53404               | 1                                 |
| 27                   | 1                | 2485     | 22               | 54670               | 1                                 |
| 28                   | 1                | 1600     | 33               | 52800               | 1                                 |
| 29                   | 1                | 1172     | 46               | 53912               | 1                                 |
| 30                   | 1                | 1177     | 45               | 52965               | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 100%                              |

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**Modulation Mode: TDWR 802.11ax HE160 (Band 3)**

| Radar Type | Number of Trials | Number of Successful Detections | Probability | Limit | Result |
|------------|------------------|---------------------------------|-------------|-------|--------|
| 1          | 30               | 30                              | 100%        | 60%   | Pass   |

**Type 1 Radar Statistical Performance**

| Trial Number         | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length(us) | 1=Detection<br>Blank=No Detection |
|----------------------|------------------|----------|------------------|---------------------|-----------------------------------|
| 1                    | 1                | 938      | 57               | 53466               | 1                                 |
| 2                    | 1                | 698      | 76               | 53048               | 1                                 |
| 3                    | 1                | 618      | 86               | 53148               | 1                                 |
| 4                    | 1                | 538      | 99               | 53262               | 1                                 |
| 5                    | 1                | 878      | 61               | 53558               | 1                                 |
| 6                    | 1                | 3066     | 18               | 55188               | 1                                 |
| 7                    | 1                | 638      | 83               | 52954               | 1                                 |
| 8                    | 1                | 918      | 58               | 53244               | 1                                 |
| 9                    | 1                | 838      | 63               | 52794               | 1                                 |
| 10                   | 1                | 858      | 62               | 53196               | 1                                 |
| 11                   | 1                | 798      | 67               | 53466               | 1                                 |
| 12                   | 1                | 718      | 74               | 53132               | 1                                 |
| 13                   | 1                | 578      | 92               | 53176               | 1                                 |
| 14                   | 1                | 598      | 89               | 53222               | 1                                 |
| 15                   | 1                | 558      | 95               | 53010               | 1                                 |
| 16                   | 1                | 2536     | 21               | 53256               | 1                                 |
| 17                   | 1                | 966      | 55               | 53130               | 1                                 |
| 18                   | 1                | 827      | 64               | 52928               | 1                                 |
| 19                   | 1                | 2501     | 22               | 55022               | 1                                 |
| 20                   | 1                | 2595     | 21               | 54495               | 1                                 |
| 21                   | 1                | 1114     | 48               | 53472               | 1                                 |
| 22                   | 1                | 1302     | 41               | 53382               | 1                                 |
| 23                   | 1                | 3045     | 18               | 54810               | 1                                 |
| 24                   | 1                | 1624     | 33               | 53592               | 1                                 |
| 25                   | 1                | 2878     | 19               | 54682               | 1                                 |
| 26                   | 1                | 1027     | 52               | 53404               | 1                                 |
| 27                   | 1                | 2485     | 22               | 54670               | 1                                 |
| 28                   | 1                | 1600     | 33               | 52800               | 1                                 |
| 29                   | 1                | 1172     | 46               | 53912               | 1                                 |
| 30                   | 1                | 1177     | 45               | 52965               | 1                                 |
| Detection Percentage |                  |          |                  | Limit >60%          | 100%                              |

Please refer to Appendix C for Radar Test Waveform.

## 5.2 Mains Emission

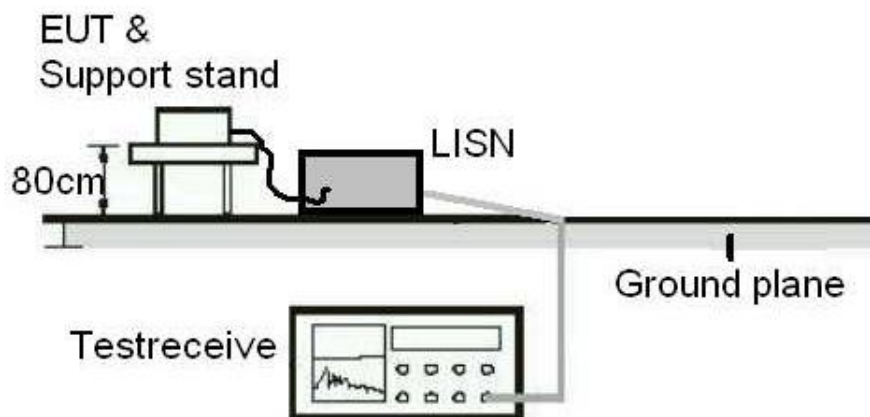
### 5.2.1 Conducted Emissions on a.c. mains port

#### Limit

Mains Conducted emissions as defined in §15.207 must comply with the mains conducted emission limits.

**Kind of Test Site** Shielded room

#### Test Setup



#### Test Instruments

| Kind of Equipment  | Manufacturer    | Type   | S/N    | Calibration Date | Calibration Due Date |
|--------------------|-----------------|--------|--------|------------------|----------------------|
| Two-Line V-Network | Rohde & Schwarz | ENV216 | 101938 | 2022/9/22        | 2023/9/21            |
| EMI Test Receiver  | R&S             | ESCI   | 100797 | 2022/6/19        | 2023/6/18            |

#### **Test Procedures**

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/50 uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz – 30 MHz.

#### **Test Results**

Please refer to Appendix B.