



FCC RF Test Report

(BLE)

Report No.: JYTSZ-R12-2400052

Applicant: INFINIX MOBILITY LIMITED

Address of Applicant: FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE
19-25 SHAN MEI STREET FOTAN NT HONGKONG

Equipment Under Test (EUT)

Product Name: Mobile Phone

Model No.: X6851B

Trade Mark: Infinix

FCC ID: 2AIZN-X6851B

Applicable Standards: FCC CFR Title 47 Part 15C (§15.247)

Date of Sample Receipt: 11 Jan., 2024

Date of Test: 12 Jan., to 12 Mar., 2024

Date of Report Issued: 17 Mar., 2024

Test Result: PASS

Project by:

Linus Ding
Project Engineer

Date:

17 Mar., 2024

Reviewed by:

Peter Chang
Senior Engineer

Date:

17 Mar., 2024

Approved by:

James Wei
Manager

Date:

17 Mar., 2024

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

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

1 Version

| Version No. | Date | Description |
|-------------|---------------|-------------|
| 00 | 17 Mar., 2024 | Original |
| | | |
| | | |
| | | |
| | | |

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3 General Information

3.1 Client Information

| | |
|---------------|--|
| Applicant: | INFINIX MOBILITY LIMITED |
| Address: | FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG |
| Manufacturer: | INFINIX MOBILITY LIMITED |
| Address: | FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG |
| Factory: | SHENZHEN TECNO TECHNOLOGY CO., LTD. |
| Address: | 101, Building 24, Waijing Industrial Park, Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R.China |

3.2 General Description of E.U.T.

| | | |
|------------------------|---|---------------------|
| Product Name: | Mobile Phone | |
| Model No.: | X6851B | |
| Operation Frequency: | LE 1M PHY | 2402 MHz - 2480 MHz |
| | LE 2M PHY | 2404MHz - 2478MHz |
| | LE Coded PHY, S=8 | 2402 MHz - 2480 MHz |
| | LE Coded PHY, S=2 | 2402 MHz - 2480 MHz |
| Channel Numbers: | 40 | |
| Channel Separation: | 2MHz | |
| Modulation Technology: | GFSK | |
| Data Speed: | 1 Mbps (LE 1M PHY), 2 Mbps (LE 2M PHY), 125 kbps (LE Coded PHY, S=8), 500 kbps (LE Coded PHY, S=2) | |
| Antenna Type: | Internal Antenna | |
| Antenna Gain: | ANT 8: -3.88 dBi (declare by applicant) | |
| | ANT 13: -1.91 dBi (declare by applicant) | |
| Antenna transmit mode: | SISO (1TX, 1RX) (with ANT 8 and ANT 13, and they stand alone to transmit) | |
| Power Supply: | Rechargeable Li-ion Polymer Battery DC3.91V, 4500mAh | |
| AC Adapter: | Model: U1000XSA Input: AC100-240V, 50/60Hz, 2.3A Output: DC 5.0V, 3.0A 15.0W or DC 5.0V-11.0V, 9.1A or DC 4.0V-20.0V, 5.0A 100.0W MAX | |
| Test Sample Condition: | The test samples were provided in good working order with no visible defects. | |

3.3 Test Mode and Test Environment

| Test Mode: | |
|--|---|
| Transmitting mode | Keep the EUT in continuous transmitting with modulation |
| Remark: 1. For AC power line conducted emission and radiated spurious emission (below 1GHz), pre-scan all data speed, found 1 Mbps (LE 1M PHY) was worse case mode. The report only reflects the test data of worst mode. 2. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report. | |
| Operating Environment: | |
| Temperature: | 15℃ ~ 35℃ |
| Humidity: | 20 % ~ 75 % RH |
| Atmospheric Pressure: | 1008 mbar |
| Voltage: | Nominal: 3.91Vdc, Extreme: Low 3.45Vdc, High 4.50Vdc |
| Test Engineer: | Logan Li (Conducted measurement) |

3.4 Description of Test Auxiliary Equipment

| |
|---|
| The EUT has been tested as an independent unit. |
|---|

3.5 Measurement Uncertainty

Please refer to FCC ID: 2AIZN-X6851, report No.: JYTSZ-R12-2301778.

3.6 Additions to, Deviations, or Exclusions from the Method

| |
|----|
| No |
|----|

3.7 Laboratory Facility

| |
|--|
| <p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none"> ● FCC - Designation No.: CN1211 JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551. ● ISED – CAB identifier.: CN0021 The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1. ● CNAS - Registration No.: CNAS L15527 JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527. ● A2LA - Registration No.: 4346.01 This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf |
|--|

3.8 Laboratory Location

| |
|--|
| <p>JianYan Testing Group Shenzhen Co., Ltd. Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China. Tel: +86-755-23118282, Fax: +86-755-23116366 Email: info-JYTee@lets.com, Website: http://jyt.lets.com</p> |
|--|

3.9 Test Instruments List

| Conducted Method: | | | | | |
|------------------------------|--------------|------------|------------------|----------------------|--------------------------|
| Test Equipment | Manufacturer | Model No. | Manage No. | Cal. Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) |
| Spectrum Analyzer | Keysight | N9010B | WXJ004-3 | 11-01-2023 | 10-31-2024 |
| Temperature Humidity Chamber | ZHONG ZHI | CZ-A-80D | WXJ032-3 | 01-09-2023 | 01-08-2025 |
| Power Detector Box | MWRFTEST | MW100-PSB | WXJ007-4 | 09-25-2023 | 09-24-2024 |
| DC Power Supply | Keysight | E3642A | WXJ025-2 | N/A | |
| RF Control Unit | MWRFTEST | MW100-RFCB | WXG006 | N/A | |
| Test Software | MWRFTEST | MTS 8310 | Version: 2.0.0.0 | | |

4 Measurement Setup and Procedure

4.1 Test Channel

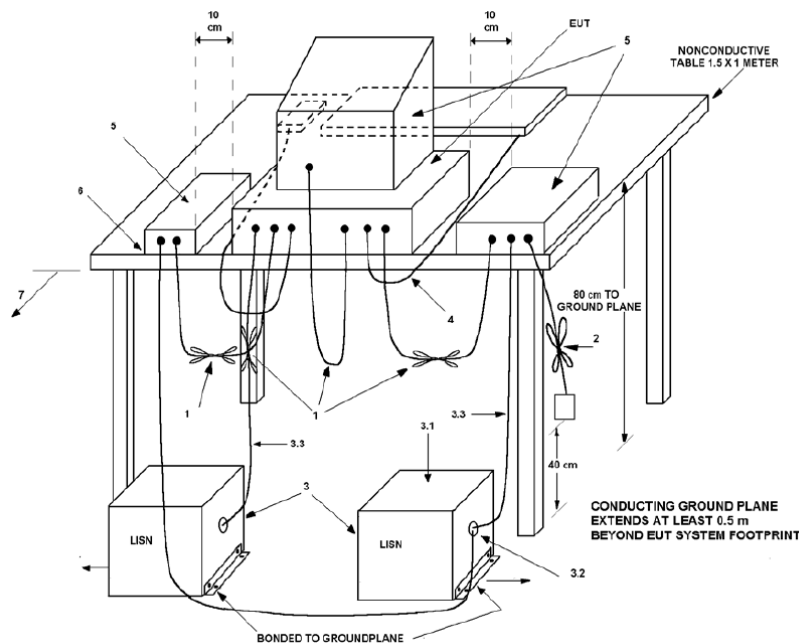
According to ANSI C63.10-2013 chapter 5.6.1 Table 4 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

| Lowest channel | | Middle channel | | Highest channel | |
|----------------|-----------------|----------------|-----------------|-----------------|-----------------|
| Channel No. | Frequency (MHz) | Channel No. | Frequency (MHz) | Channel No. | Frequency (MHz) |
| 0 | 2402 | 20 | 2442 | 39 | 2480 |
| 1 | 2404 | 20 | 2442 | 38 | 2478 |

Note: For LE 2M PHY, channels 1, 12, 39 have been removed. Therefore, at LE 2M PHY, channels 1, 20, and 38 were selected to correspond to the lowest, middle, and highest channels respectively for testing.

4.2 Test Setup

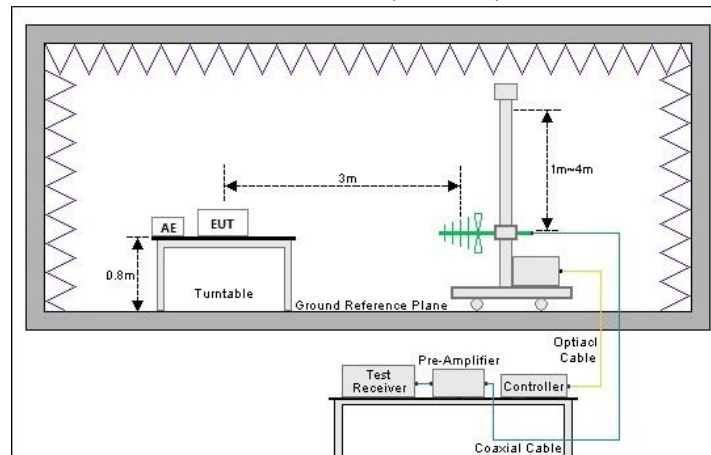
1) Conducted emission measurement:

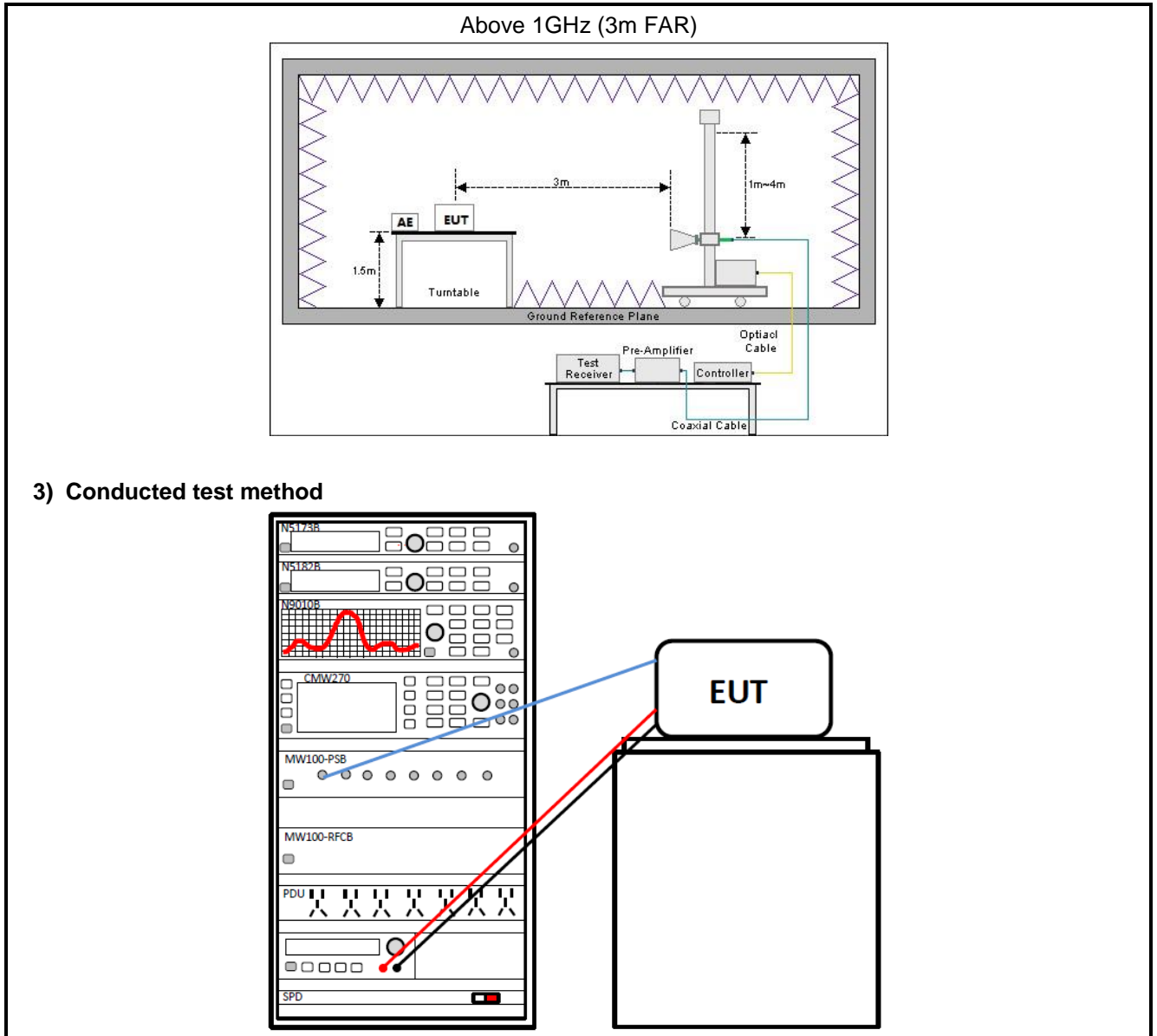


Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

2) Radiated emission measurement:

Below 1GHz (3m SAC)





4.3 Test Procedure

| Test method | Test step |
|-----------------------|---|
| Conducted emission | <ol style="list-style-type: none"> 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement. |
| Radiated emission | <p>For below 1GHz:</p> <ol style="list-style-type: none"> 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. <p>For above 1GHz:</p> <ol style="list-style-type: none"> 1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. |
| Conducted test method | <ol style="list-style-type: none"> 1. The BLE antenna port of EUT was connected to the test port of the test system through an RF cable. 2. The EUT is keeping in continuous transmission mode and tested in all modulation modes. 3. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software. |

5 Test Results

5.1 Summary

This report is revised according to the JYTSZ-R12-2301778 report, FCC ID: 2AIZN-X6851 issued by JianYan Testing Group Shenzhen Co., Ltd. Differences: The X6851B has one more HL3179 fast charge chip and peripheral devices than the X6851. The X6851B and X6851 battery connectors are different. The X6851 charges 45W and the X6851B charges 100W. The appearance of the prototype is different in color. And model update, so need to spot-check BLE Conducted Output Power.

5.1.1 Clause and Data Summary

| Test items | Standard clause | Test data | Result |
|--|--|--|--|
| Antenna Requirement | 15.203 15.247 (b)(4) | Please refer to report No.: JYTSZ-R12-2301778. | Please refer to report No.: JYTSZ-R12-2301778. |
| AC Power Line Conducted Emission | 15.207 | Please refer to report No.: JYTSZ-R12-2301778. | Please refer to report No.: JYTSZ-R12-2301778. |
| Conducted Output Power | 15.247 (b)(3) | Please refer to report No.: JYTSZ-R12-2301778. | Please refer to report No.: JYTSZ-R12-2301778. |
| 6dB Emission Bandwidth 99% Occupied Bandwidth | 15.247 (a)(2) | Please refer to report No.: JYTSZ-R12-2301778. | Please refer to report No.: JYTSZ-R12-2301778. |
| Power Spectral Density | 15.247 (e) | Please refer to report No.: JYTSZ-R12-2301778. | Please refer to report No.: JYTSZ-R12-2301778. |
| Band-edge Emission Conduction Spurious Emission | 15.247 (d) | Please refer to report No.: JYTSZ-R12-2301778. | Please refer to report No.: JYTSZ-R12-2301778. |
| Emissions in Restricted Frequency Bands | 15.205 15.247 (d) | Please refer to report No.: JYTSZ-R12-2301778. | Please refer to report No.: JYTSZ-R12-2301778. |
| Emissions in Non-restricted Frequency Bands | 15.209 15.247(d) | Please refer to report No.: JYTSZ-R12-2301778. | Please refer to report No.: JYTSZ-R12-2301778. |
| Remark: 1. Please refer to FCC ID: 2AIZN-X6851, report No.: JYTSZ-R12-2301778 issue by JianYan Testing Group Shenzhen Co., Ltd. 2. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer). | | | |
| Test Method: | ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02 | | |

5.1.2 Test Limit

| Test items | Limit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------------------------------|----------------|--|------------|---------|------------|--------------------------------|--------------------------------|---------|------------|----------|--------|------|------------|-----------|------|------|------------|------------|------|------|------------|-----------|---------------------|--|---------|-------|-------------|------|------|
| AC Power Line Conducted Emission | <table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBµV)</th></tr><tr><th>Quasi-Peak</th><th>Average</th></tr><tr><td>0.15 – 0.5</td><td>66 to 56 <small>Note 1</small></td><td>56 to 46 <small>Note 1</small></td></tr><tr><td>0.5 – 5</td><td>56</td><td>46</td></tr><tr><td>5 – 30</td><td>60</td><td>50</td></tr></table> <p>Note 1: The limit level in dBµV decreases linearly with the logarithm of frequency. Note 2: The more stringent limit applies at transition frequencies.</p> | Frequency (MHz) | Limit (dBµV) | | Quasi-Peak | Average | 0.15 – 0.5 | 66 to 56 <small>Note 1</small> | 56 to 46 <small>Note 1</small> | 0.5 – 5 | 56 | 46 | 5 – 30 | 60 | 50 | | | | | | | | | | | | | | | | |
| Frequency (MHz) | Limit (dBµV) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Quasi-Peak | Average | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.15 – 0.5 | 66 to 56 <small>Note 1</small> | 56 to 46 <small>Note 1</small> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 – 5 | 56 | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 – 30 | 60 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Conducted Output Power | For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6dB Emission Bandwidth | The minimum 6 dB bandwidth shall be at least 500 kHz. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99% Occupied Bandwidth | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power Spectral Density | For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Band-edge Emission Conduction Spurious Emission | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Emissions in Restricted Frequency Bands Emissions in Non-restricted Frequency Bands | <table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBµV/m)</th><th rowspan="2">Detector</th></tr><tr><th>@ 3m</th><th>@ 10m</th></tr><tr><td>30 – 88</td><td>40.0</td><td>30.0</td><td>Quasi-peak</td></tr><tr><td>88 – 216</td><td>43.5</td><td>33.5</td><td>Quasi-peak</td></tr><tr><td>216 – 960</td><td>46.0</td><td>36.0</td><td>Quasi-peak</td></tr><tr><td>960 – 1000</td><td>54.0</td><td>44.0</td><td>Quasi-peak</td></tr></table> <p>Note: The more stringent limit applies at transition frequencies.</p> <table><tr><th rowspan="2">Frequency</th><th colspan="2">Limit (dBµV/m) @ 3m</th></tr><tr><th>Average</th><th>Peake</th></tr><tr><td>Above 1 GHz</td><td>54.0</td><td>74.0</td></tr></table> <p>Note: The measurement bandwidth shall be 1 MHz or greater.</p> | Frequency (MHz) | Limit (dBµV/m) | | Detector | @ 3m | @ 10m | 30 – 88 | 40.0 | 30.0 | Quasi-peak | 88 – 216 | 43.5 | 33.5 | Quasi-peak | 216 – 960 | 46.0 | 36.0 | Quasi-peak | 960 – 1000 | 54.0 | 44.0 | Quasi-peak | Frequency | Limit (dBµV/m) @ 3m | | Average | Peake | Above 1 GHz | 54.0 | 74.0 |
| Frequency (MHz) | Limit (dBµV/m) | | Detector | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | @ 3m | @ 10m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 – 88 | 40.0 | 30.0 | Quasi-peak | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 – 216 | 43.5 | 33.5 | Quasi-peak | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 216 – 960 | 46.0 | 36.0 | Quasi-peak | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 960 – 1000 | 54.0 | 44.0 | Quasi-peak | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frequency | Limit (dBµV/m) @ 3m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Average | Peake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Above 1 GHz | 54.0 | 74.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

5.2 Conducted Output Power Spot-check

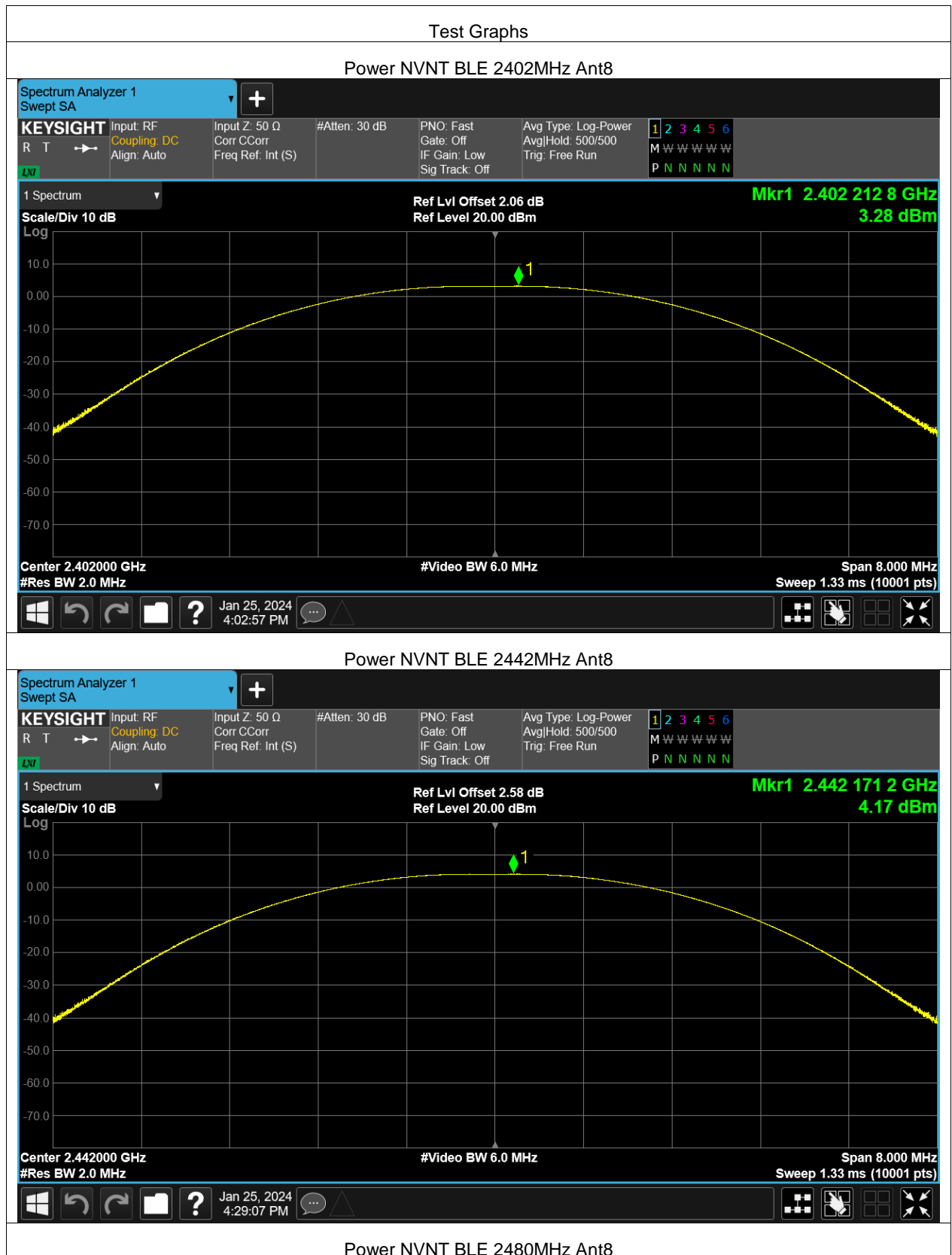
ANT 8:

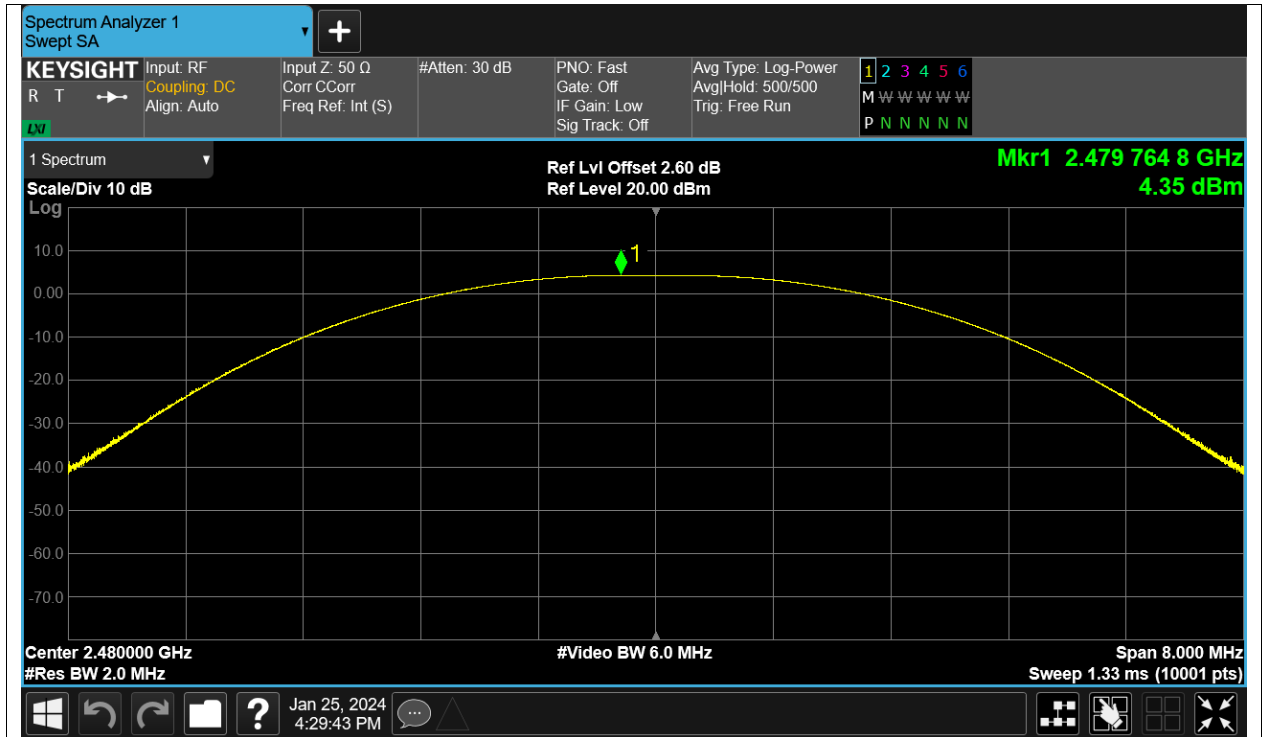
Appendix – BLE-1M

Test Data

Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | BLE | 2402 | Ant8 | 3.281 | 30 | Pass |
| NVNT | BLE | 2442 | Ant8 | 4.166 | 30 | Pass |
| NVNT | BLE | 2480 | Ant8 | 4.345 | 30 | Pass |





Appendix – BLE-2M PHY

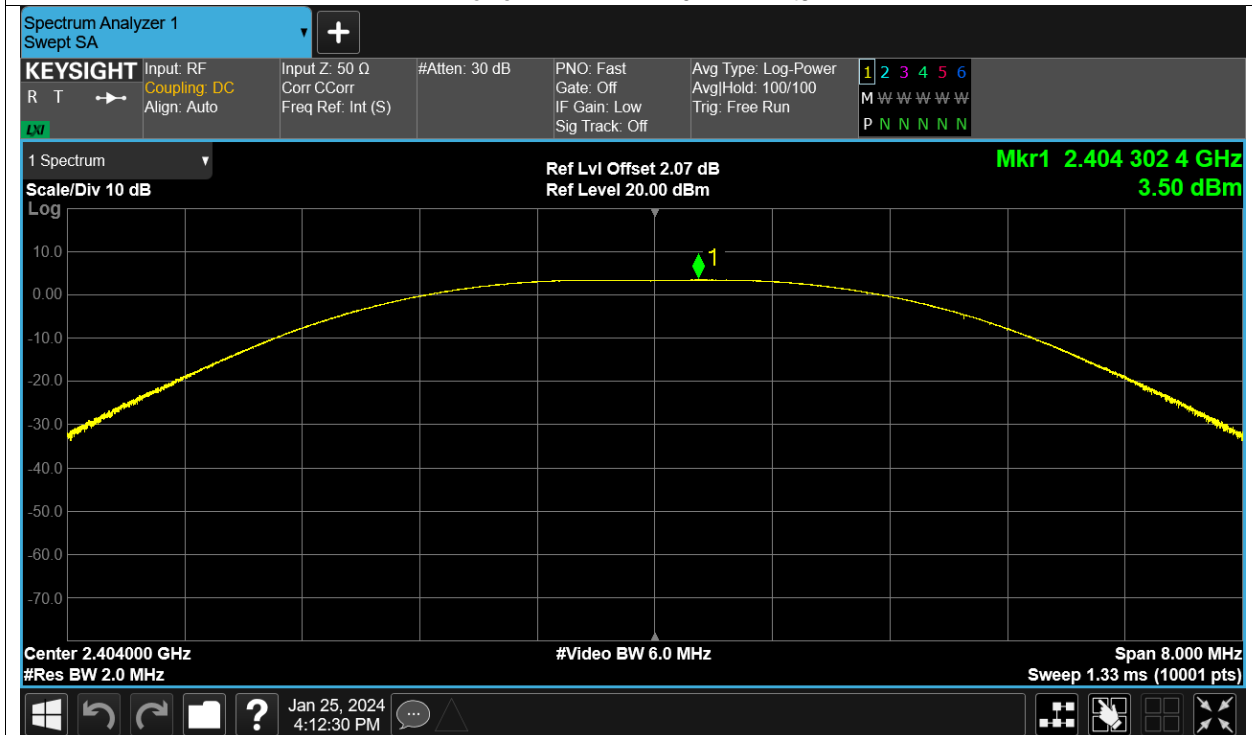
Test Data

Maximum Conducted Output Power

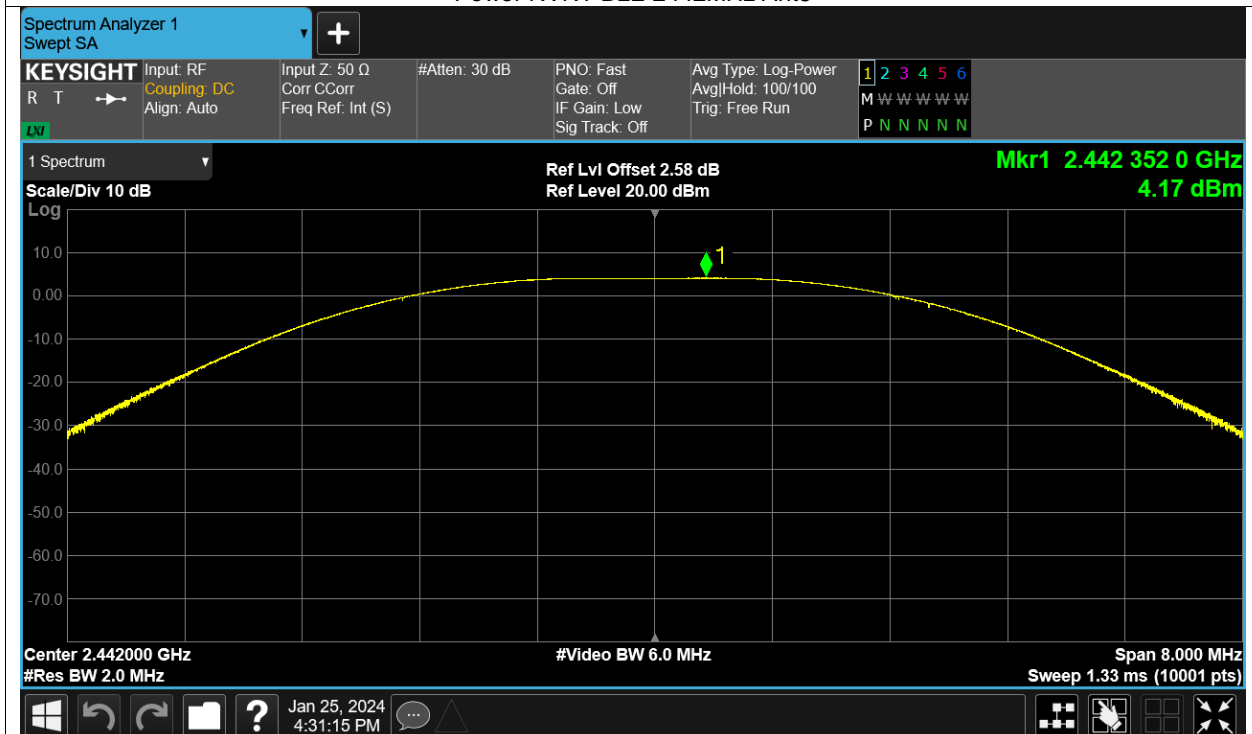
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | BLE | 2404 | Ant8 | 3.505 | 30 | Pass |
| NVNT | BLE | 2442 | Ant8 | 4.166 | 30 | Pass |
| NVNT | BLE | 2478 | Ant8 | 4.422 | 30 | Pass |

Test Graphs

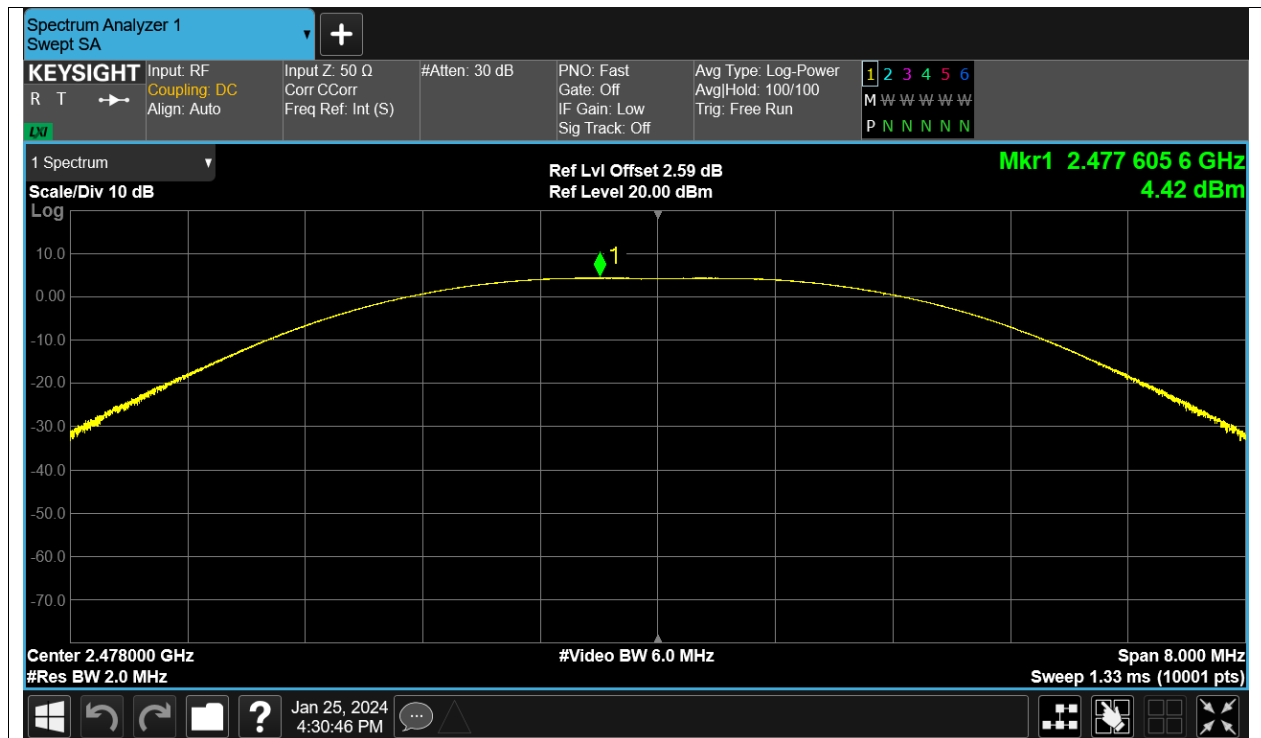
Power NVNT BLE 2404MHz Ant8



Power NVNT BLE 2442MHz Ant8



Power NVNT BLE 2478MHz Ant8

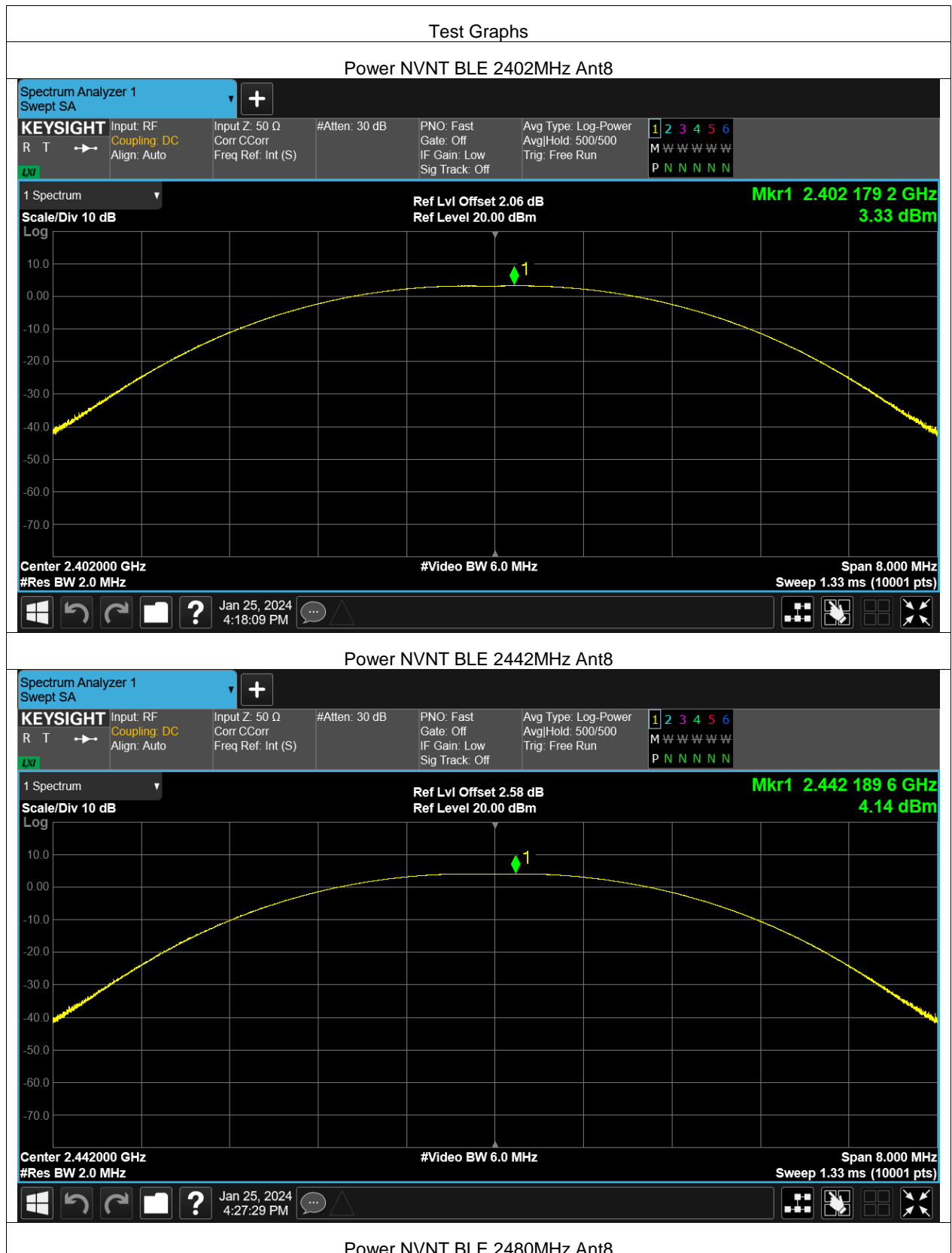


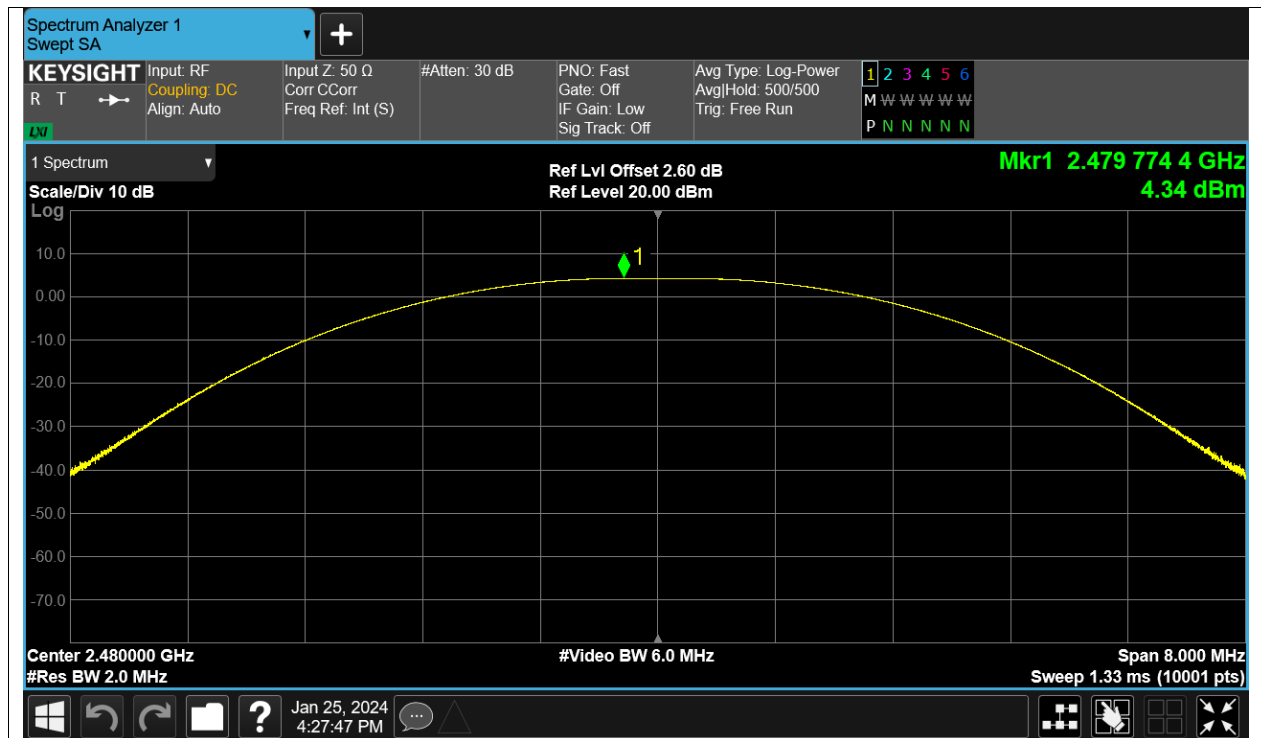
Appendix – BLE-Coded PHY, S=2

Test Data

Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | BLE | 2402 | Ant8 | 3.335 | 30 | Pass |
| NVNT | BLE | 2442 | Ant8 | 4.136 | 30 | Pass |
| NVNT | BLE | 2480 | Ant8 | 4.335 | 30 | Pass |





Appendix – BLE-Coded PHY, S=8

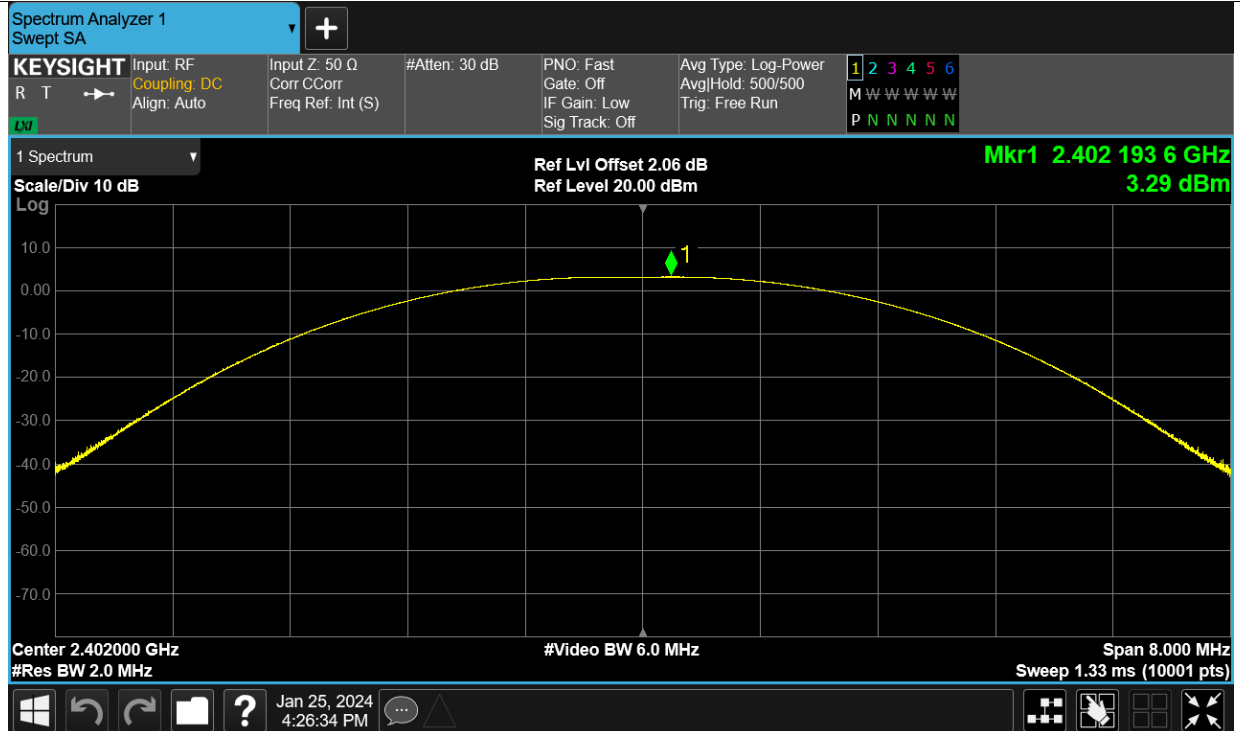
Test Data

Maximum Conducted Output Power

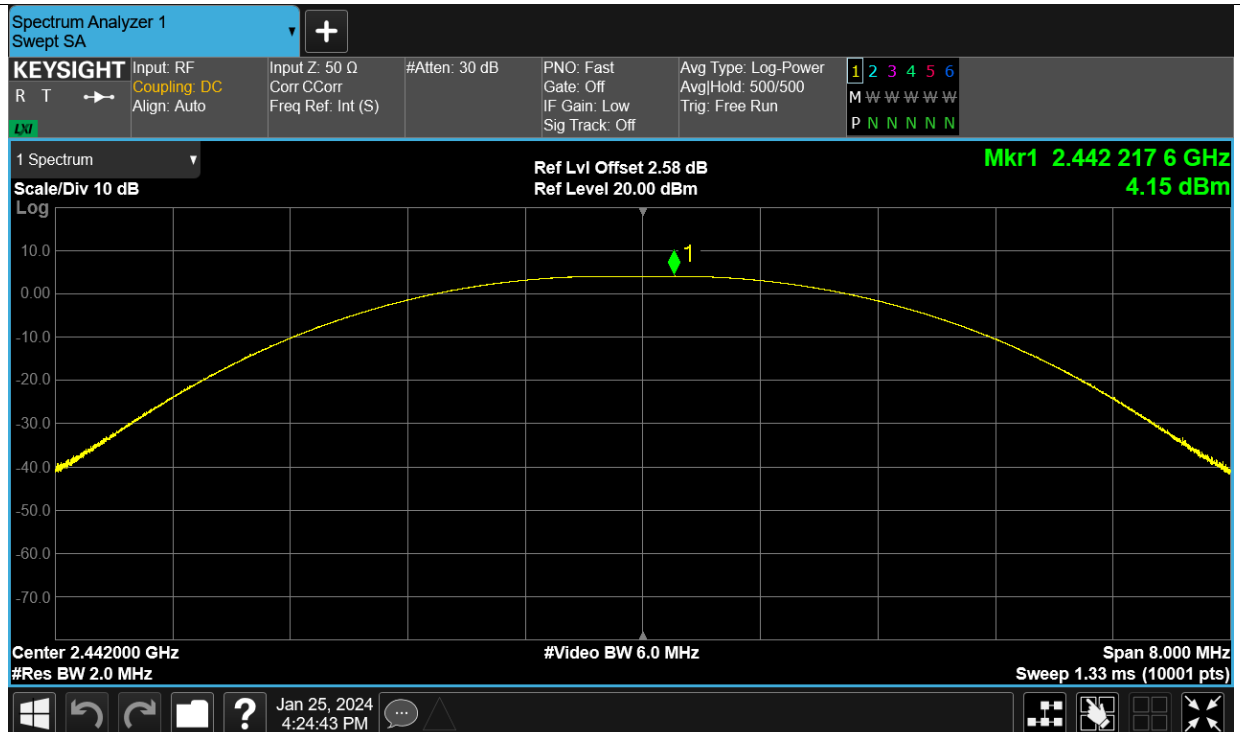
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | BLE | 2402 | Ant8 | 3.285 | 30 | Pass |
| NVNT | BLE | 2442 | Ant8 | 4.149 | 30 | Pass |
| NVNT | BLE | 2480 | Ant8 | 4.316 | 30 | Pass |

Test Graphs

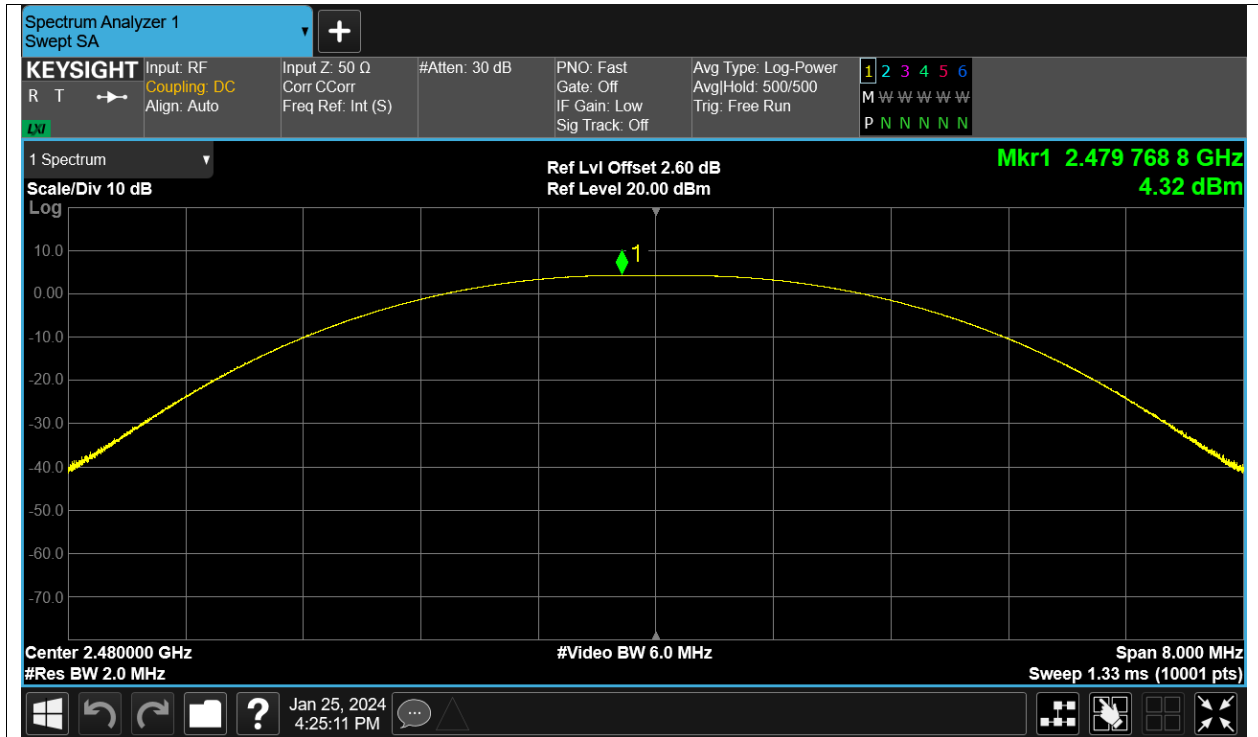
Power NVNT BLE 2402MHz Ant8



Power NVNT BLE 2442MHz Ant8



Power NVNT BLE 2480MHz Ant8



ANT 13:

Appendix – BLE-1M PHY

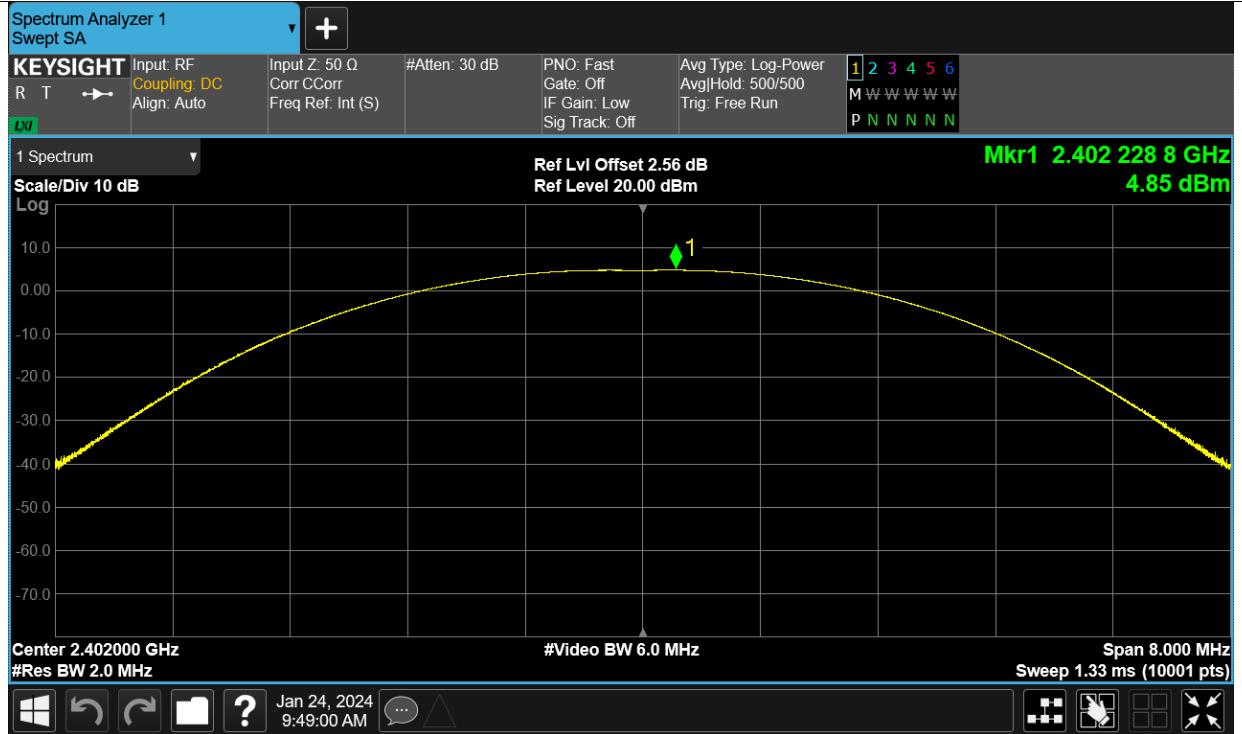
Test Data

Maximum Conducted Output Power

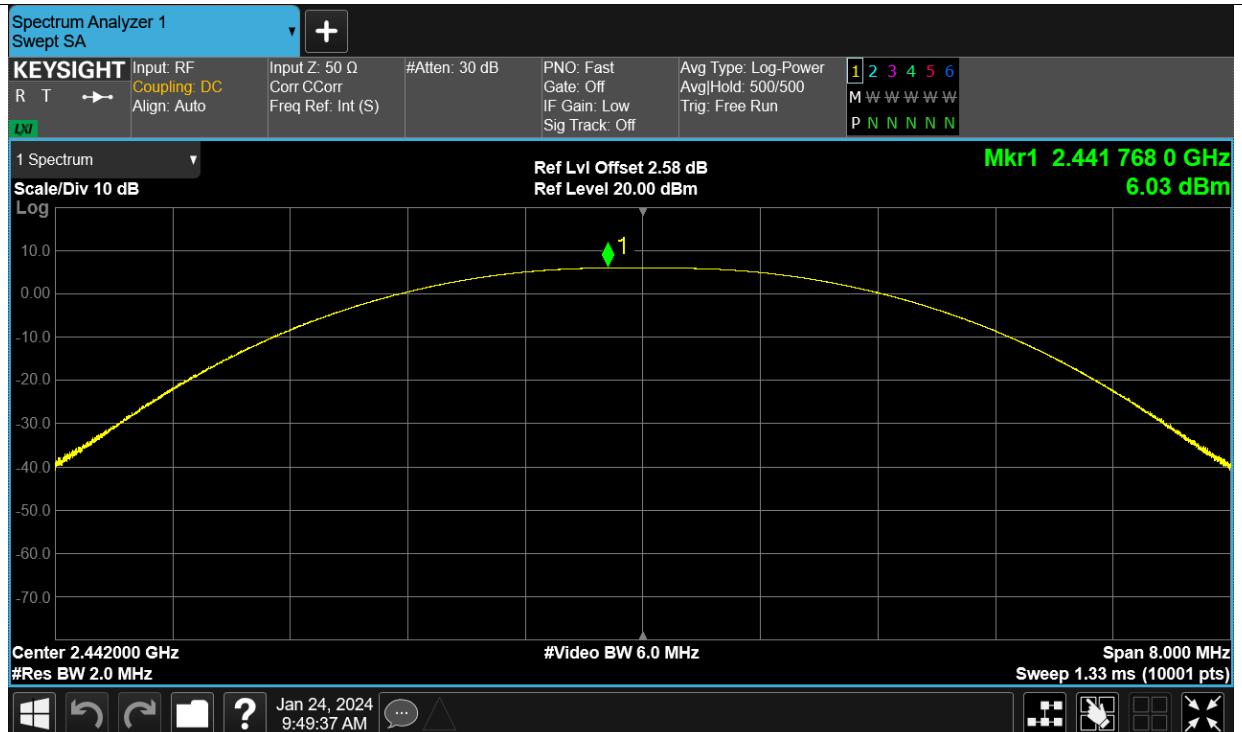
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | BLE | 2402 | Ant13 | 4.853 | 30 | Pass |
| NVNT | BLE | 2442 | Ant13 | 6.029 | 30 | Pass |
| NVNT | BLE | 2480 | Ant13 | 6.046 | 30 | Pass |

Test Graphs

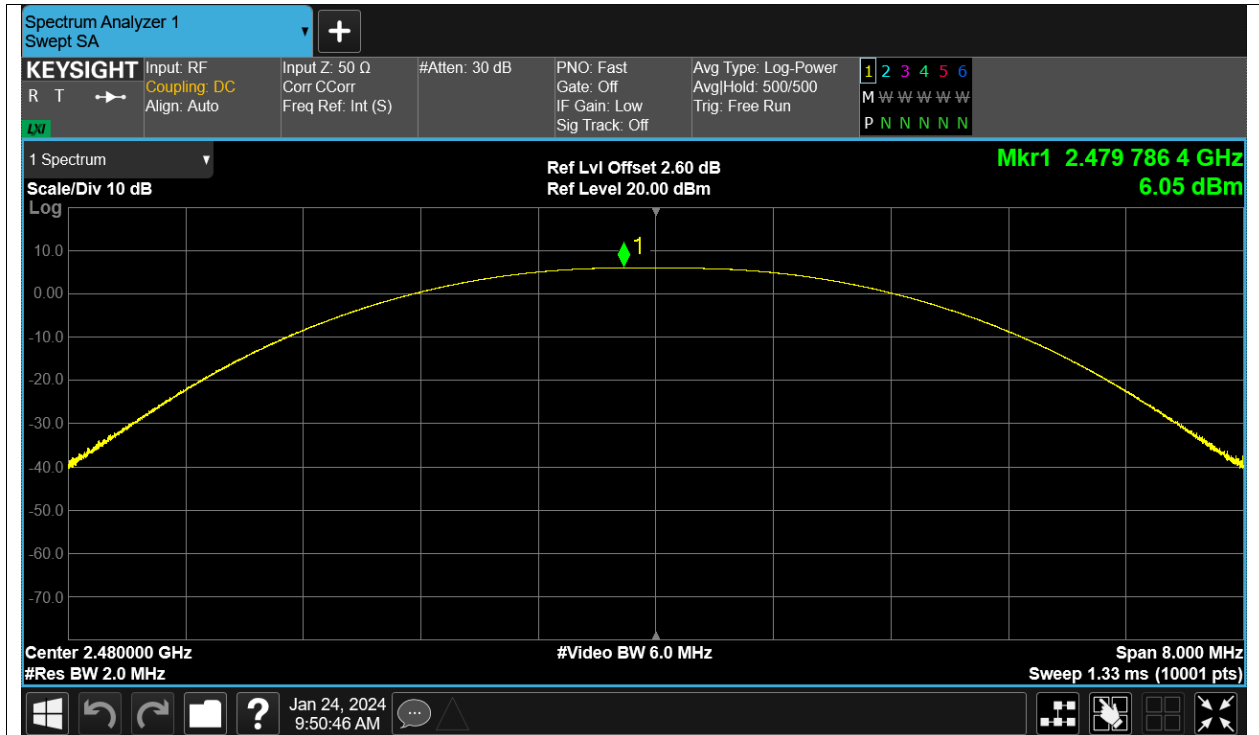
Power NVNT BLE 2402MHz Ant13



Power NVNT BLE 2442MHz Ant13



Power NVNT BLE 2480MHz Ant13



Appendix – BLE-2M PHY

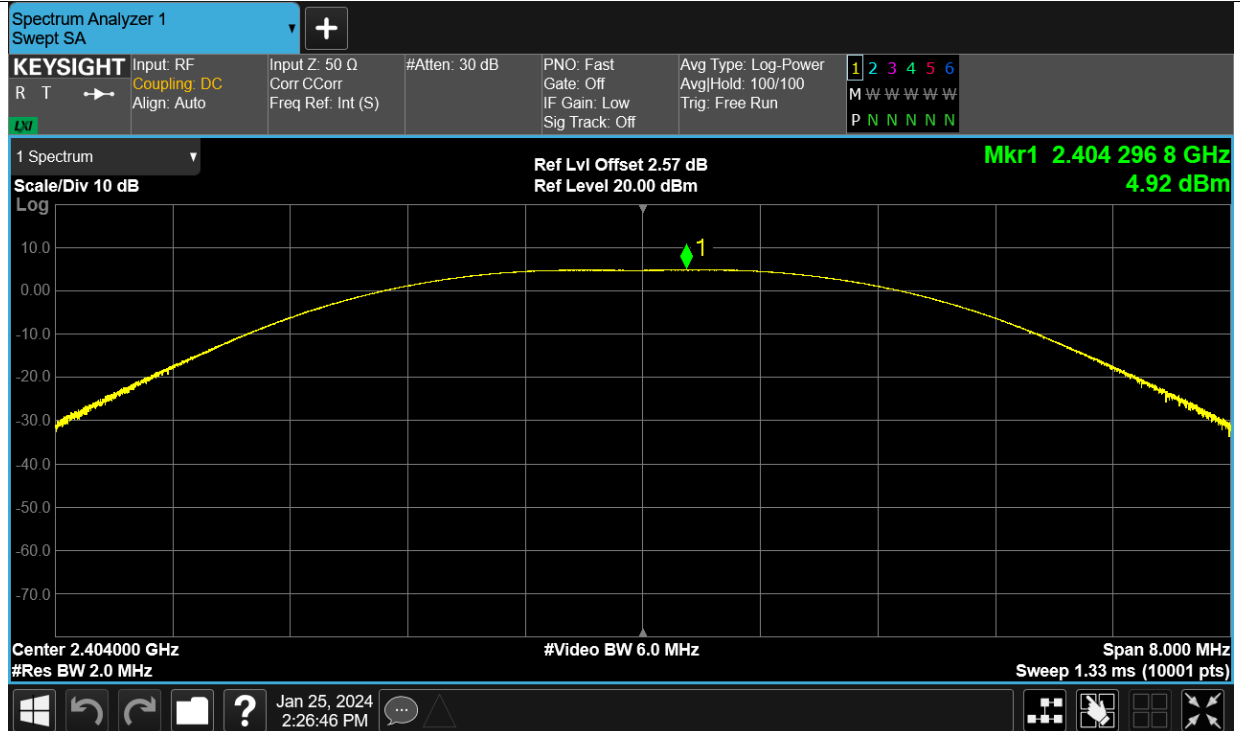
Test Data

Maximum Conducted Output Power

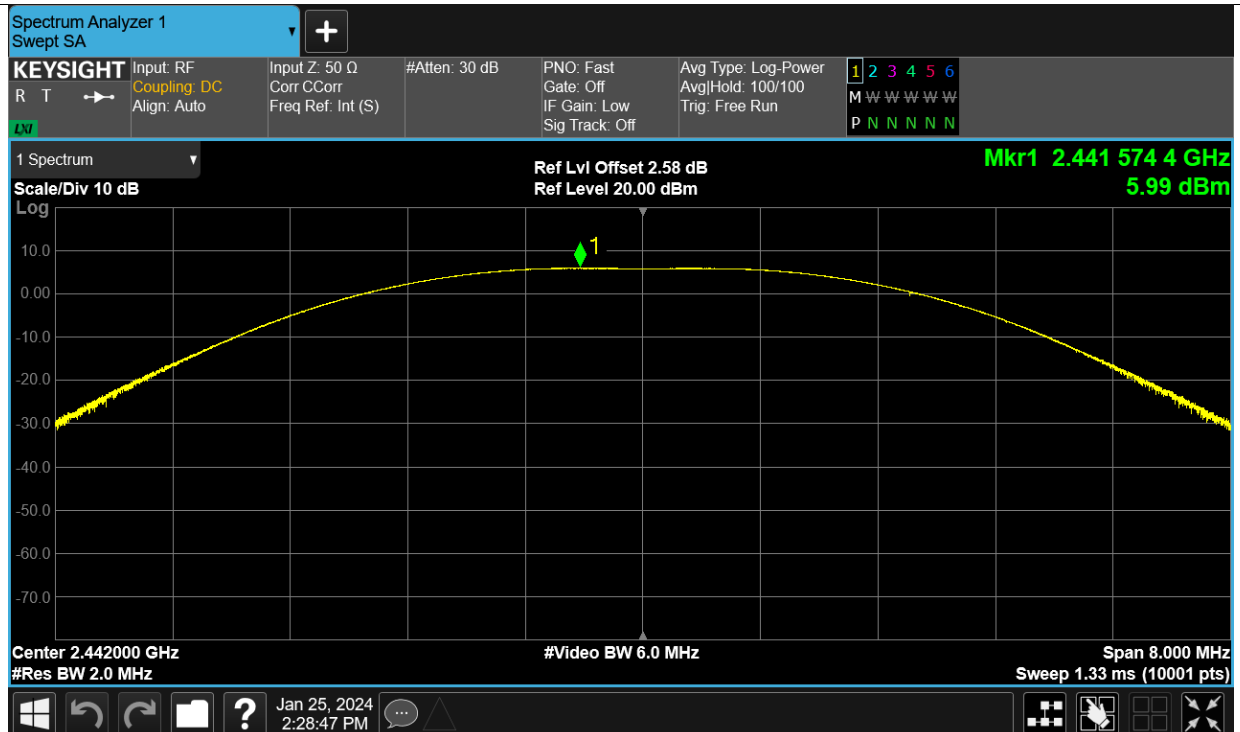
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | BLE | 2404 | Ant13 | 4.917 | 30 | Pass |
| NVNT | BLE | 2442 | Ant13 | 5.993 | 30 | Pass |
| NVNT | BLE | 2478 | Ant13 | 6.174 | 30 | Pass |

Test Graphs

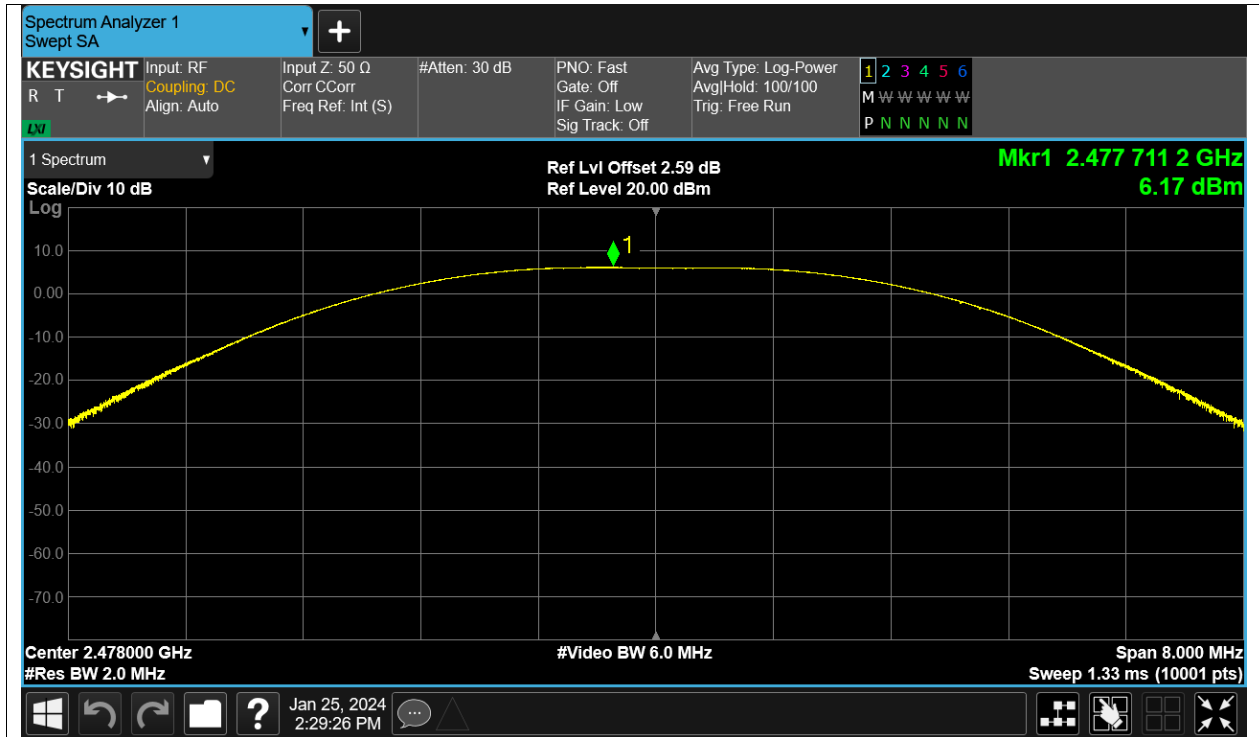
Power NVNT BLE 2404MHz Ant13



Power NVNT BLE 2442MHz Ant13



Power NVNT BLE 2478MHz Ant13



Appendix – BLE-Coded PHY, S=2

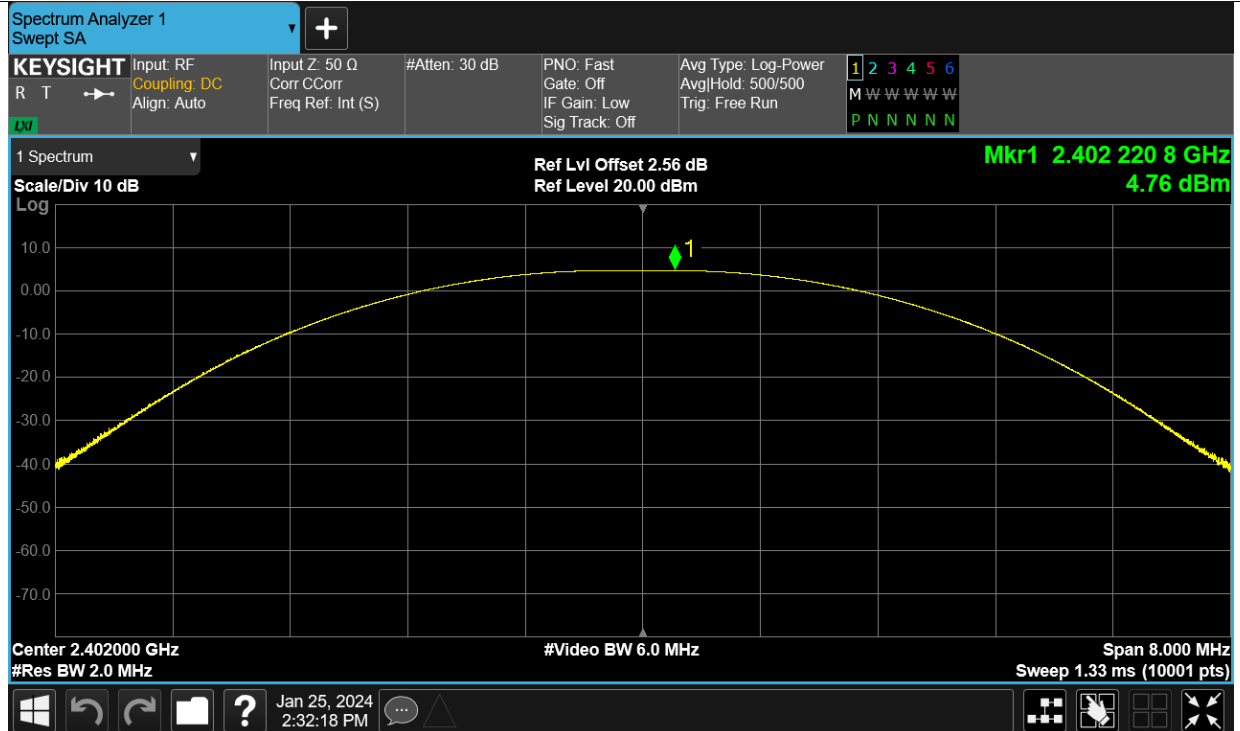
Test Data

Maximum Conducted Output Power

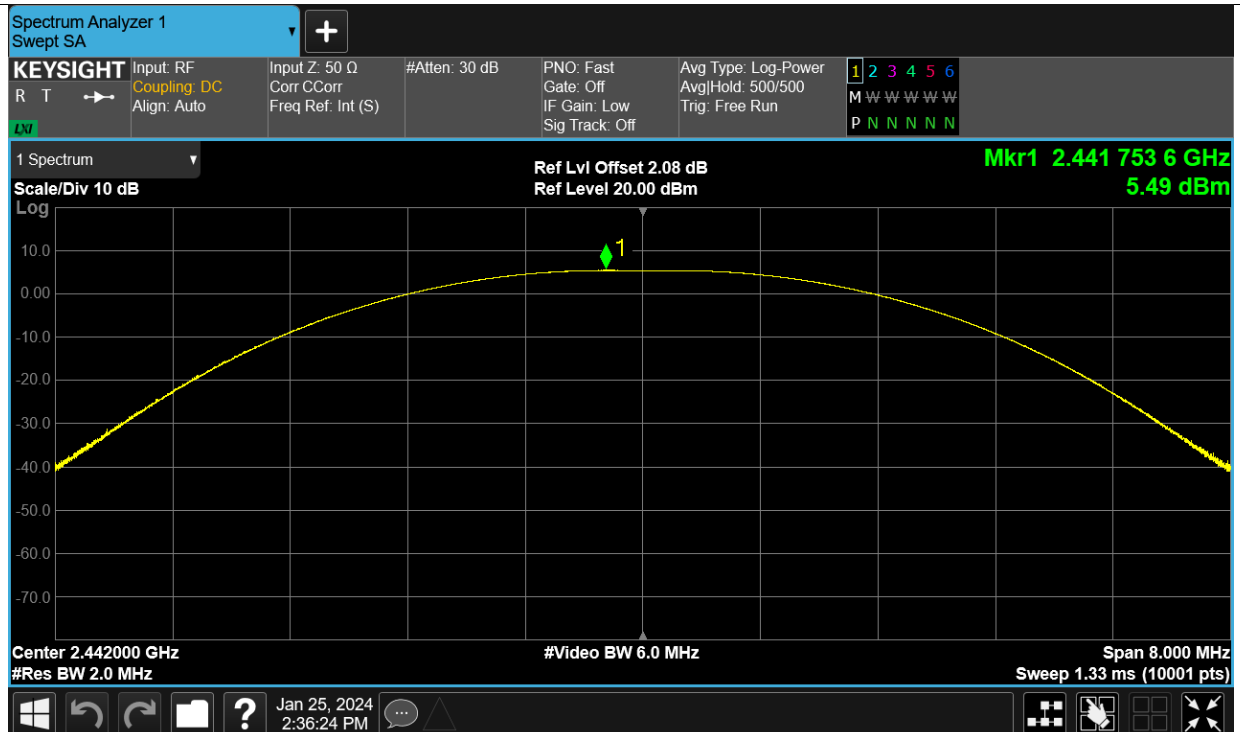
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | BLE | 2402 | Ant13 | 4.758 | 30 | Pass |
| NVNT | BLE | 2442 | Ant13 | 5.493 | 30 | Pass |
| NVNT | BLE | 2480 | Ant13 | 5.959 | 30 | Pass |

Test Graphs

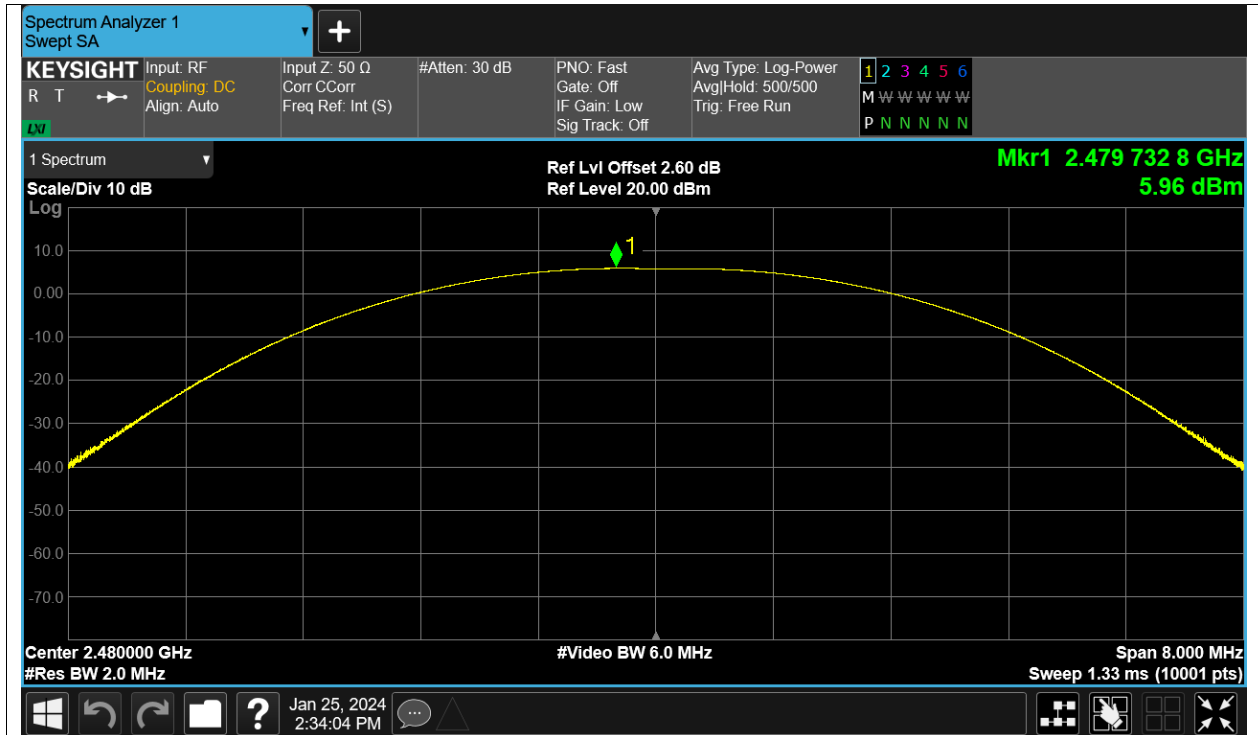
Power NVNT BLE 2402MHz Ant13



Power NVNT BLE 2442MHz Ant13



Power NVNT BLE 2480MHz Ant13



Appendix – BLE-Coded PHY, S=8

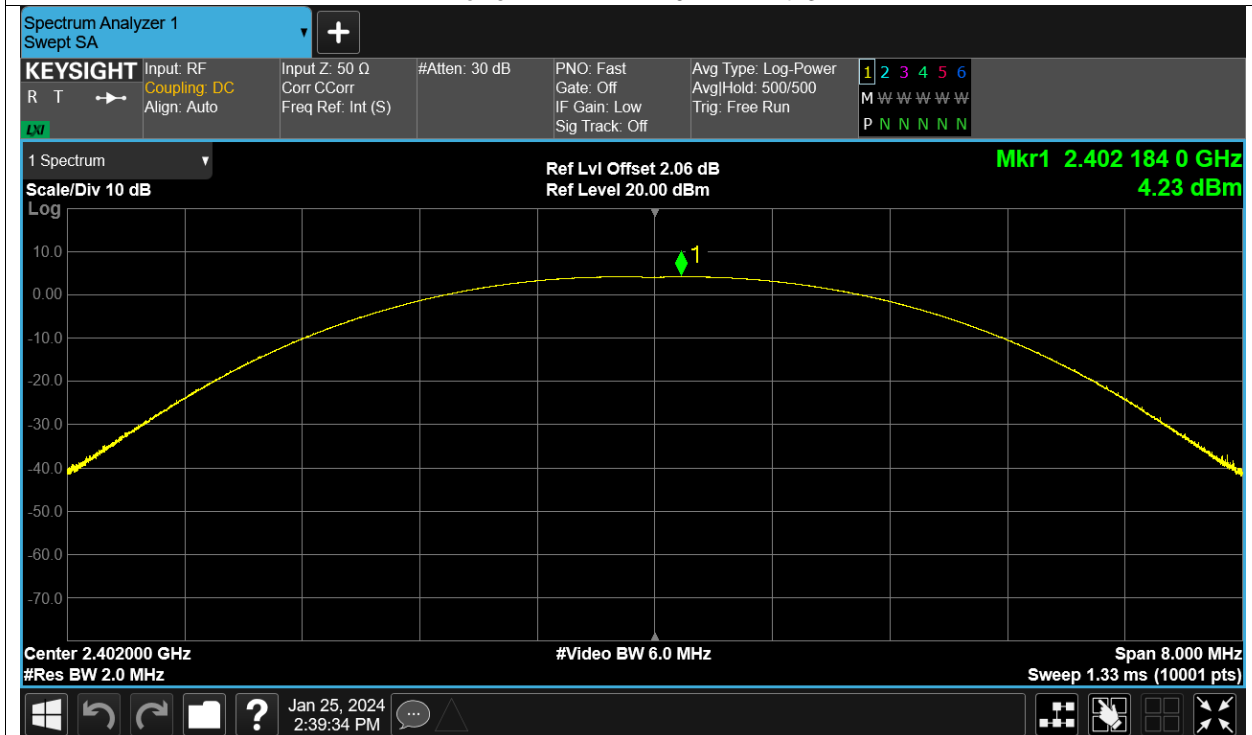
Test Data

Maximum Conducted Output Power

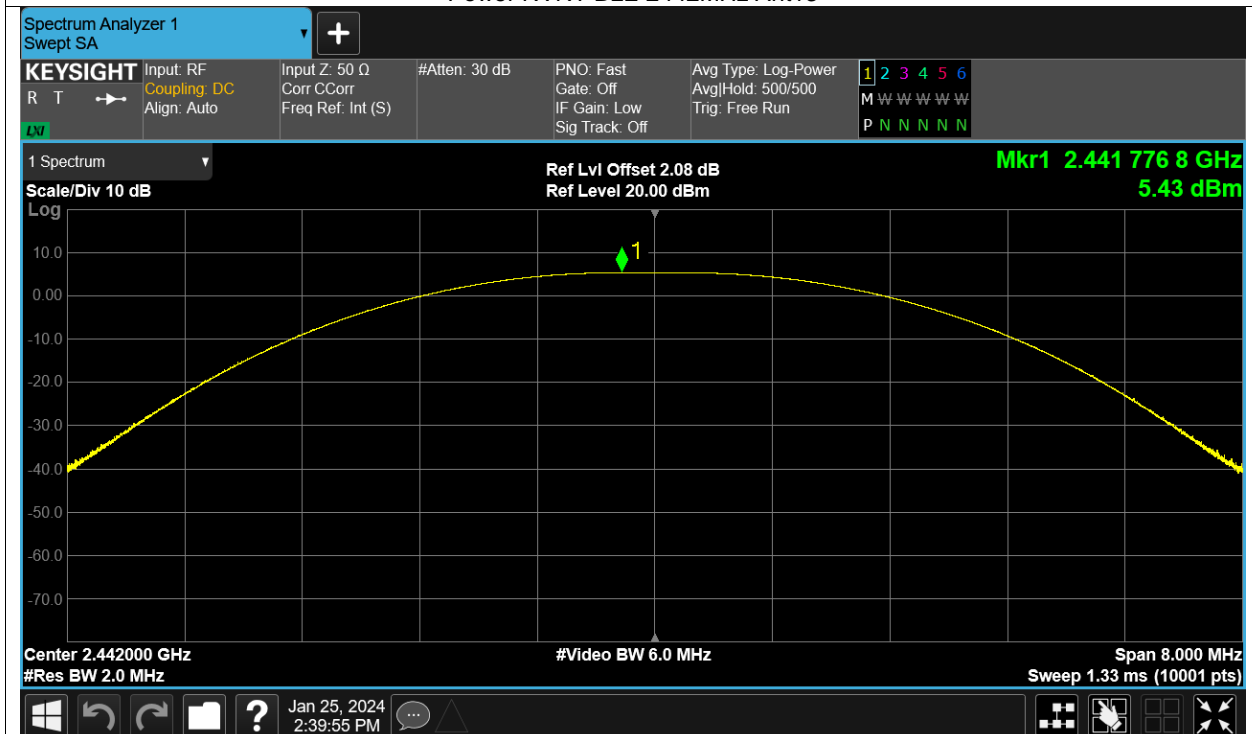
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | BLE | 2402 | Ant13 | 4.226 | 30 | Pass |
| NVNT | BLE | 2442 | Ant13 | 5.429 | 30 | Pass |
| NVNT | BLE | 2480 | Ant13 | 5.384 | 30 | Pass |

Test Graphs

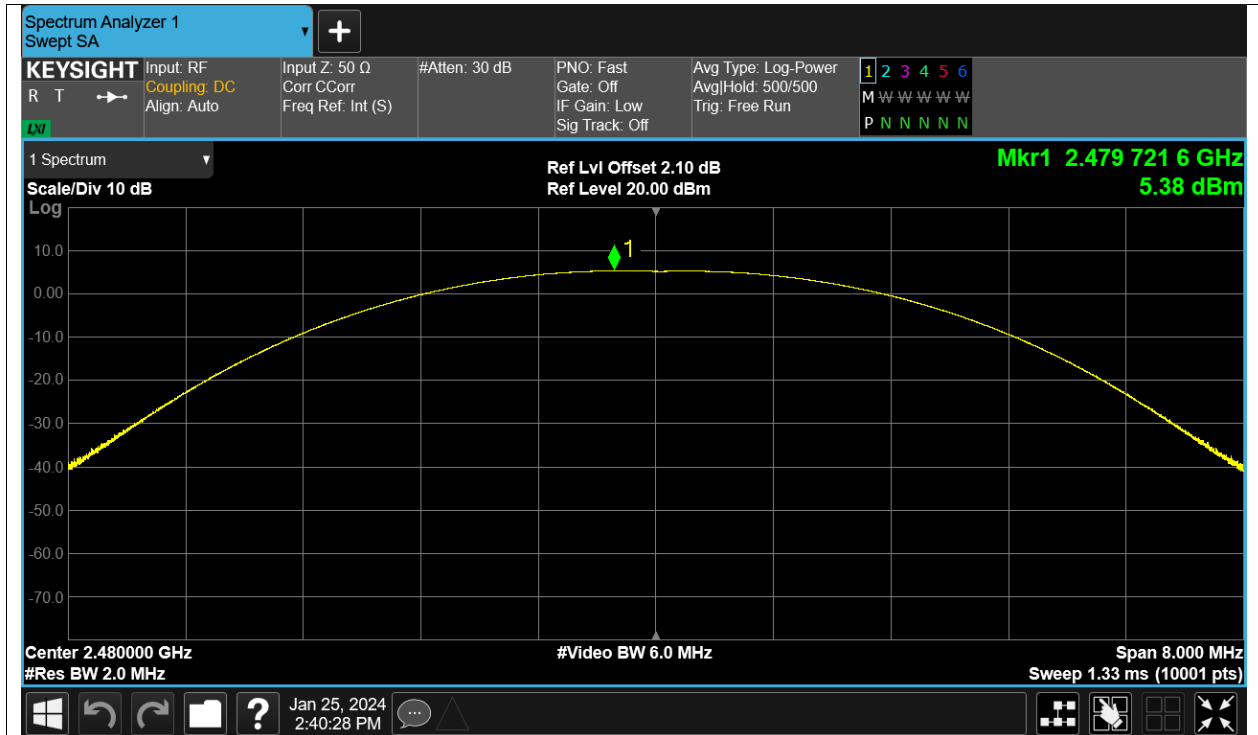
Power NVNT BLE 2402MHz Ant13



Power NVNT BLE 2442MHz Ant13



Power NVNT BLE 2480MHz Ant13



-----End of report-----