TUV SUD Limited Digitally signed by TUV SUD Limited Date: 2024.10.16 08:47:08 +01'00'

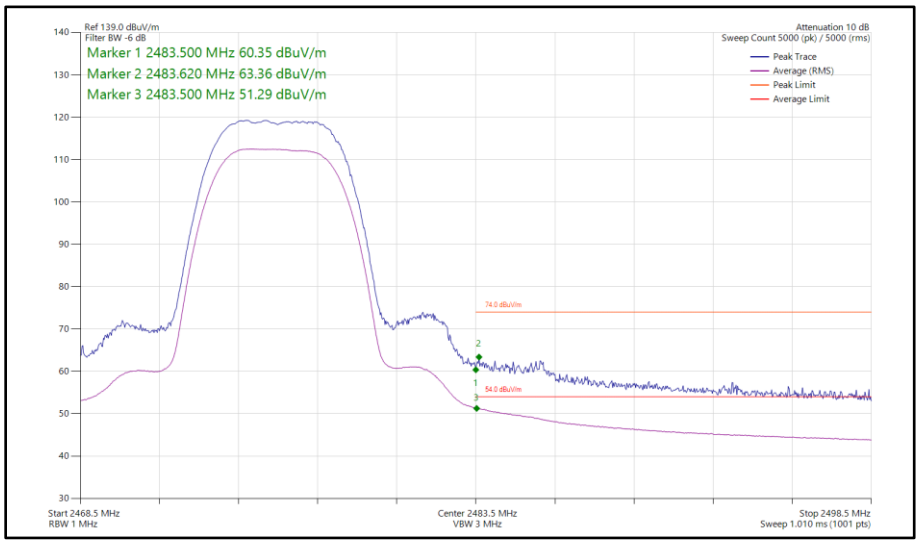


**Figure 66 - Bluetooth HDR8, MIMO, Core 0 - Core 1 - 2476 MHz Band Edge Frequency 2483.5 MHz**

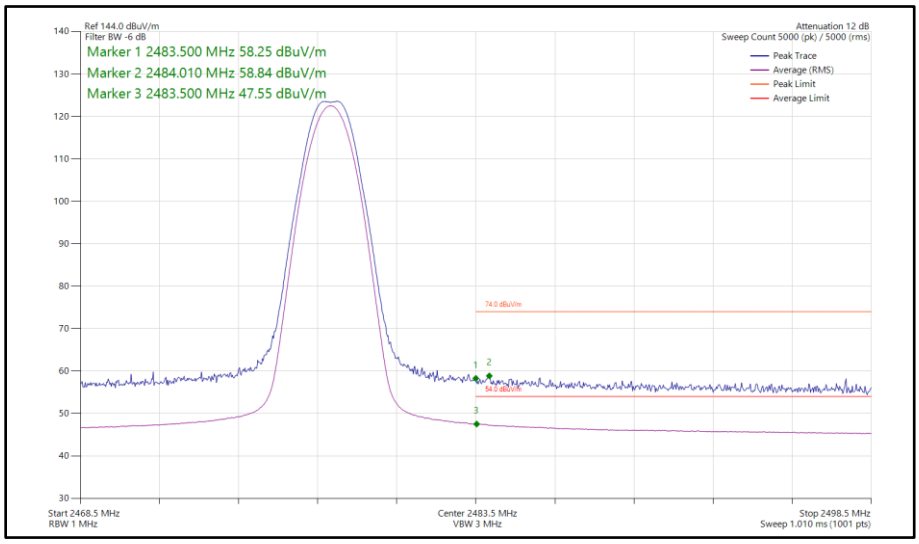


**Figure 67 - Bluetooth LE1M, MIMO, Core 0 - Core 1 - 2478 MHz Band Edge Frequency 2483.5 MHz**

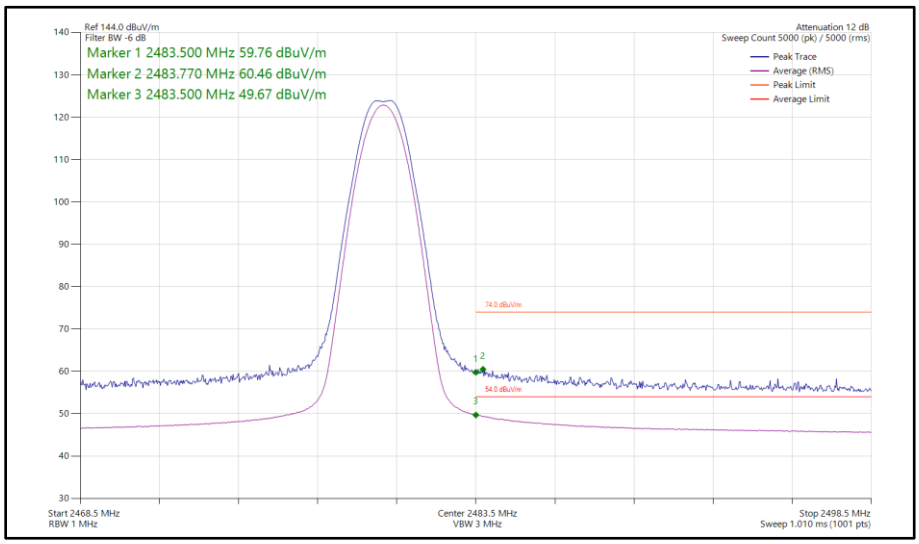


**Figure 68 - Bluetooth LE1M, MIMO, Core 0 - Core 1 - 2480 MHz Band Edge Frequency 2483.5 MHz**

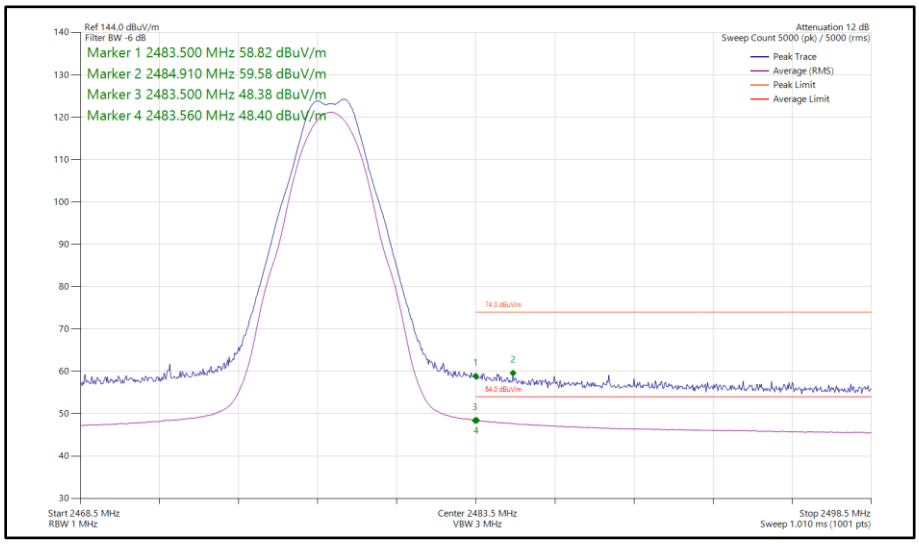


**Figure 69 - Bluetooth LE2M, MIMO, Core 0 - Core 1 - 2478 MHz Band Edge Frequency 2483.5 MHz**

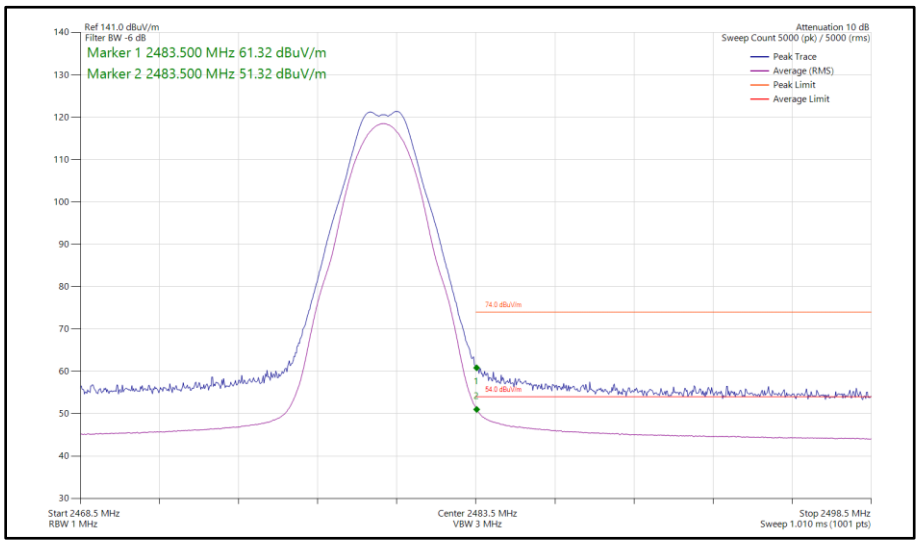


**Figure 70 - Bluetooth LE2M, MIMO, Core 0 - Core 1 - 2480 MHz Band Edge Frequency 2483.5 MHz**

FCC 47 CFR Part 15, Limit Clause 15.209

| Frequency (MHz) | Field Strength (µV/m at 3 m) |
|---|---|
| 30 to 88 | 100 |
| 88 to 216 | 150 |
| 216 to 960 | 200 |
| Above 960 | 500 |

**Table 14**

### 2.1.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14 and RF Chamber 15.

| Instrument | Manufacturer | Type No. | TE No. | Calibration Period (months) | Calibration Expiry Date |
|---|---|---|---|---|---|
| Emissions Software | TUV SUD | EmX V3.4.2 | 5125 | - | Software |
| EMI Test Receiver | Rohde & Schwarz | ESW44 | 5911 | 12 | 11-Sep-2024 |
| Test Receiver | Rohde & Schwarz | ESW44 | 5914 | 12 | 24-May-2025 |
| 1500W (300V 12A) AC Power Supply | iTech | IT7324 | 5955 | - | O/P Mon |
| 1500W (300V 12A) AC Power Supply | iTech | IT7324 | 5956 | - | O/P Mon |
| 5m Semi-Anechoic Chamber (Dual-Axis) | Albatross Projects | RF Chamber 14 | 5958 | 36 | 26-Apr-2025 |
| Compact Antenna Mast | Maturo Gmbh | CAM4.0-P | 5959 | - | TU |
| Mast & Turntable Controller | Maturo Gmbh | FCU3.0 | 5960 | - | TU |
| Tilt Antenna Mast | Maturo Gmbh | BAM4.5-P | 5961 | - | TU |
| Turntable | Maturo Gmbh | TT1.5SI | 5962 | - | TU |

| Instrument | Manufacturer | Type No. | TE No. | Calibration Period (months) | Calibration Expiry Date |
|---|---|---|---|---|---|
| 5m Semi-Anechoic Chamber (Dual-Axis), Chamber 15 | Albatross Projects | RF Chamber 15 | 5963 | 36 | 28-Apr-2025 |
| Compact Antenna Mast | Maturo Gmbh | CAM4.0-P | 5964 | - | TU |
| Mast & Turntable Controller | Maturo Gmbh | FCU3.0 | 5966 | - | TU |
| Tilt Antenna Mast | Maturo Gmbh | BAM4.5-P | 5967 | - | TU |
| Turntable | Maturo Gmbh | TT1.5SI | 5968 | - | TU |
| Cable (SMA to SMA 1m) | Junkosha | MWX221-01000AMSAMS/A | 5997 | 12 | 14-Sep-2024 |
| Cable (N to N 1m) | Junkosha | MWX221-01000NMSNMS/B | 5999 | 12 | 20-May-2025 |
| Cable (SMA to SMA 4.5m) | Junkosha | MWX221-04500AMSAMS/A | 6002 | 12 | 14-Sep-2024 |
| Cable (SMA to SMA 1m) | Junkosha | MWX221-01000AMSAMS/A | 6007 | 12 | 20-May-2025 |
| Cable (SMA to SMA 6.5m) | Junkosha | MWX221-06500AMSAMS/B | 6014 | 12 | 24-Aug-2024 |
| Cable (SMA to SMA 1m) | Junkosha | MWX221-01000AMSAMS/A | 6018 | 12 | 10-Jun-2025 |
| Cable (SMA to SMA 3m) | Junkosha | MWX221-03000AMSAMS/A | 6021 | 12 | 14-Sep-2024 |
| Horn Antenna (1-10 GHz) | Schwarzbeck | BBHA9120B | 6141 | 12 | 05-May-2025 |
| Horn Antenna (1-10 GHz) | Schwarzbeck | BBHA9120B | 6142 | 12 | 05-May-2025 |
| Digital Multimeter | Fluke | 115 | 6145 | 12 | 06-Jun-2025 |
| Digital Multimeter | Fluke | 115 | 6146 | 12 | 06-Jun-2025 |
| Humidity & Temperature meter | R.S Components | 1364 | 6148 | 12 | 29-Jul-2025 |
| SAC Switch Unit | TUV SUD | TUV_SSU_001 | 6190 | 12 | 22-Dec-2024 |
| SAC Switch Unit | TUV SUD | TUV_SSU_001 | 6191 | 12 | 18-Dec-2024 |
| Cable (SMA to SMA 3m) | Junkosha | MWX221-03000AMSAMS/A | 6316 | 12 | 04-Feb-2025 |
| Cable (SMA to SMA 8m) | Junkosha | MWX221-08000AMSAMS/B | 6319 | 12 | 04-Feb-2025 |
| Humidity and Temperature Meter | R.S Components | 1364 | 6486 | 12 | 04-Jun-2025 |
| 1m Cable | Junkosha | MWX241-01000AMSAMS/B | 6740 | 12 | 01-Feb-2025 |
| 1m Cable | Junkosha | MWX241-01000AMSAMS/B | 6741 | 12 | 01-Feb-2025 |
| 6.5m Cable | Junkosha | MWX221-06500AMSAMS/B | 6744 | 12 | 01-Feb-2025 |

**Table 15**

TU - Traceability Unscheduled
O/P Mon - Output Monitored using calibrated equipment

## 2.2 Emission Bandwidth

### 2.2.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (a)(2)

### 2.2.2 Equipment Under Test and Modification State

A3186, S/N: M44MHNWLH2 - Modification State 0
A3186, S/N: LXXD3YHT0L - Modification State 0

### 2.2.3 Date of Test

03-September-2024 to 09-September-2024

### 2.2.4 Test Method

This test was performed in accordance with ANSI C63.10, clause 11.8.1 for 6 dB BW and 6.9.3 for 99% occupied bandwidth measurements.

### 2.2.5 Environmental Conditions

| | |
|---|---|
| Ambient Temperature | 21.5 - 22.4 °C |
| Relative Humidity | 52.1 - 54.3 % |

### 2.2.6 Test Results

2.4 GHz Bluetooth LE/HDR

| Test Configuration | | | |
|---|---|---|---|
| Frequency Range: | 2400-2483.5 MHz | Band: | 2.4 GHz |
| Limit Clause(s): | 15.247 (a)(2)<br>RSS-247 5.2 a) | Test Method(s): | C63.10 6.9.3<br>C63.10 11.8.1 |
| Additional Reference(s): | - | | |

| DUT Configuration | | | |
|---|---|---|---|
| Mode: | iPA π/4 DQPSK (4-DH5) | Duty Cycle (%): | - |
| Antenna Configuration: | SISO | DCCF (dB): | - |
| Active Port(s): | B (Core 1) | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | - | 1.880 | - | - | ≥500.0 |
| 2441 | - | 1.904 | - | - | ≥500.0 |
| 2476 | - | 1.904 | - | - | ≥500.0 |

**Table 16 - 6 dB Bandwidth Results**

| Test Frequency (MHz) | 99% Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | - | 2.320 | - | - | - |
| 2441 | - | 2.328 | - | - | - |
| 2476 | - | 2.328 | - | - | - |

**Table 17 - 99% Bandwidth Results**

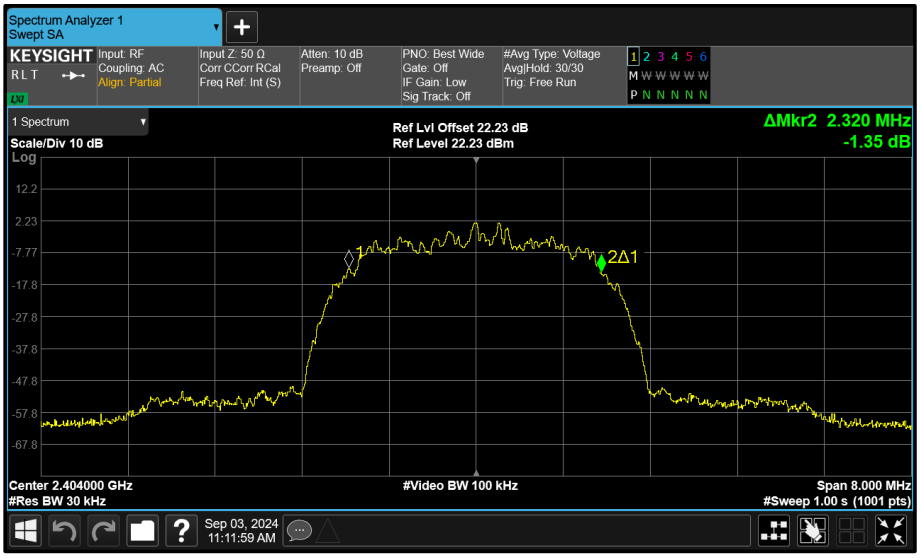


**Figure 71 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth**

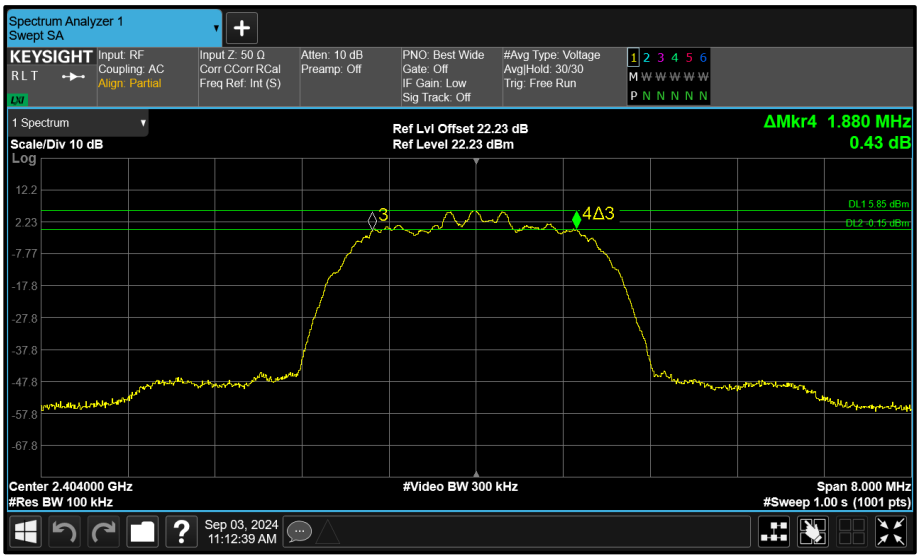


**Figure 72 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth**

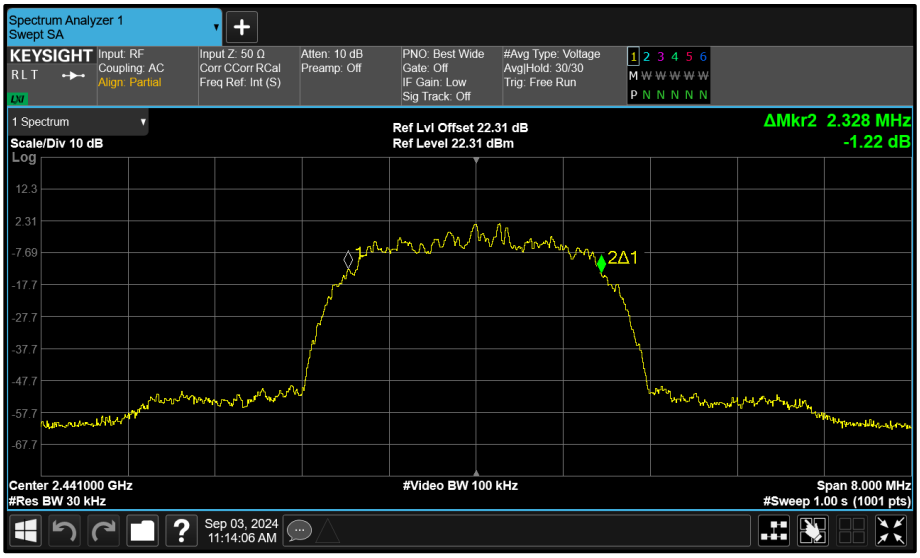


**Figure 73 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth**

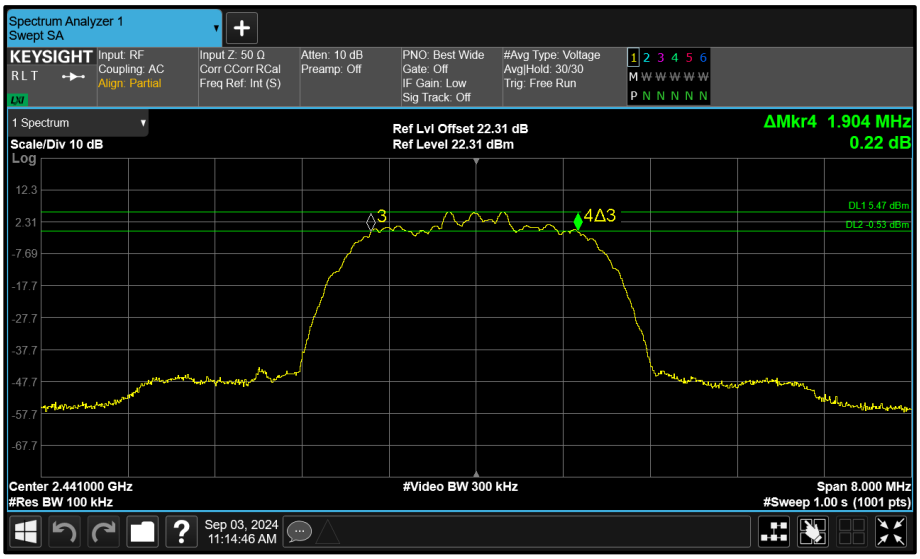


**Figure 74 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth**

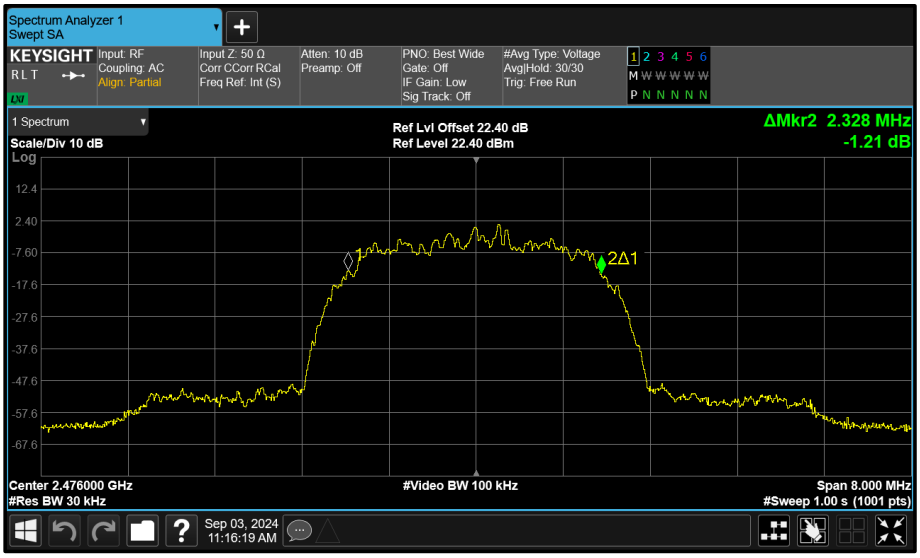


**Figure 75 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth**

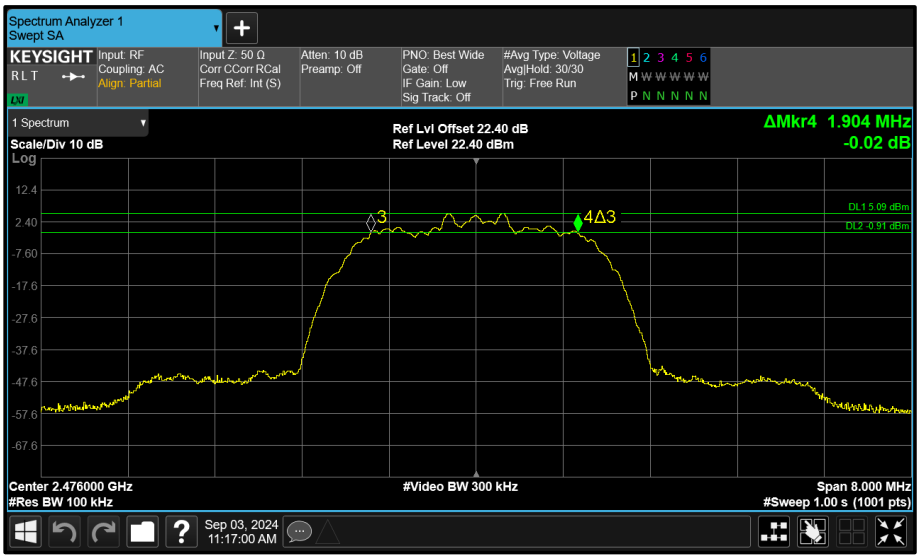


**Figure 76 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth**

| Test Configuration | | | |
|---|---|---|---|
| Frequency Range: | 2400-2483.5 MHz | Band: | 2.4 GHz |
| Limit Clause(s): | 15.247 (a)(2)<br>RSS-247 5.2 a) | Test Method(s): | C63.10 6.9.3<br>C63.10 11.8.1 |
| Additional Reference(s): | - | | |

| DUT Configuration | | | |
|---|---|---|---|
| Mode: | iPA π/4 DQPSK (8-DH5) | Duty Cycle (%): | - |
| Antenna Configuration: | SISO | DCCF (dB): | - |
| Active Port(s): | B (Core 1) | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | - | 1.020 | - | - | ≥500.0 |
| 2441 | - | 1.005 | - | - | ≥500.0 |
| 2476 | - | 1.020 | - | - | ≥500.0 |

**Table 18 - 6 dB Bandwidth Results**

| Test Frequency (MHz) | 99% Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | - | 4.635 | - | - | - |
| 2441 | - | 4.650 | - | - | - |
| 2476 | - | 4.635 | - | - | - |

**Table 19 - 99% Bandwidth Results**

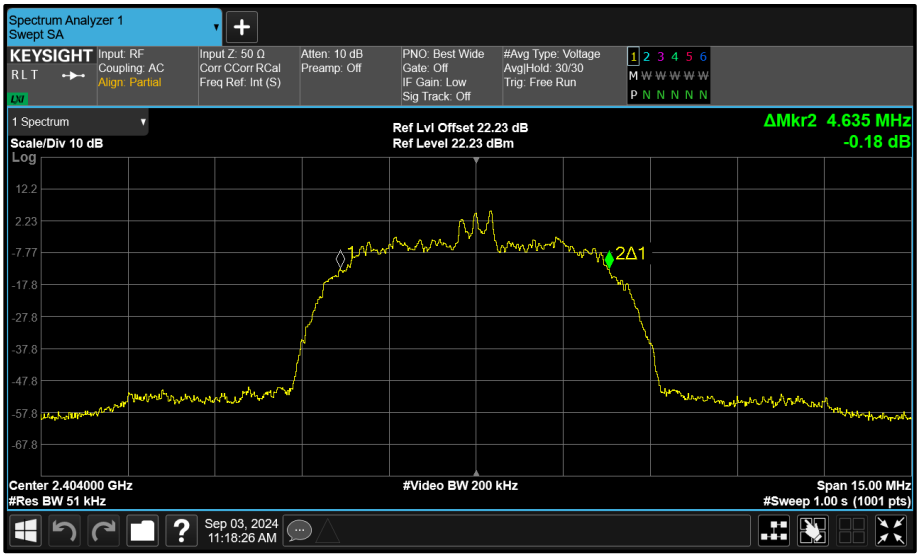


**Figure 77 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth**

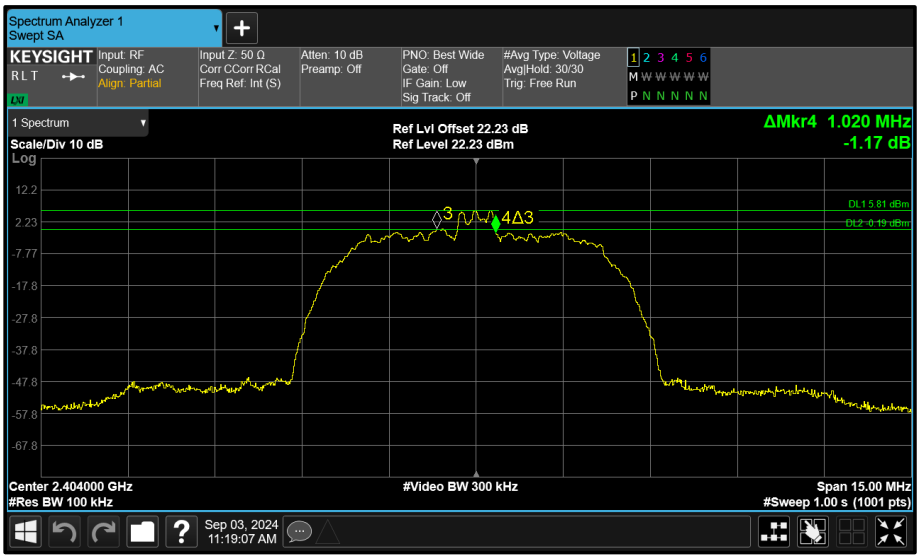


**Figure 78 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth**

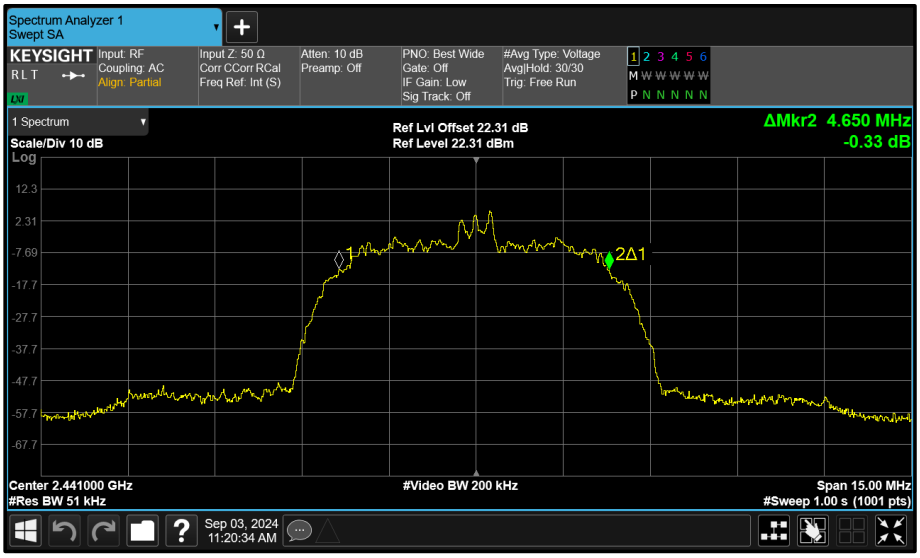


**Figure 79 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth**

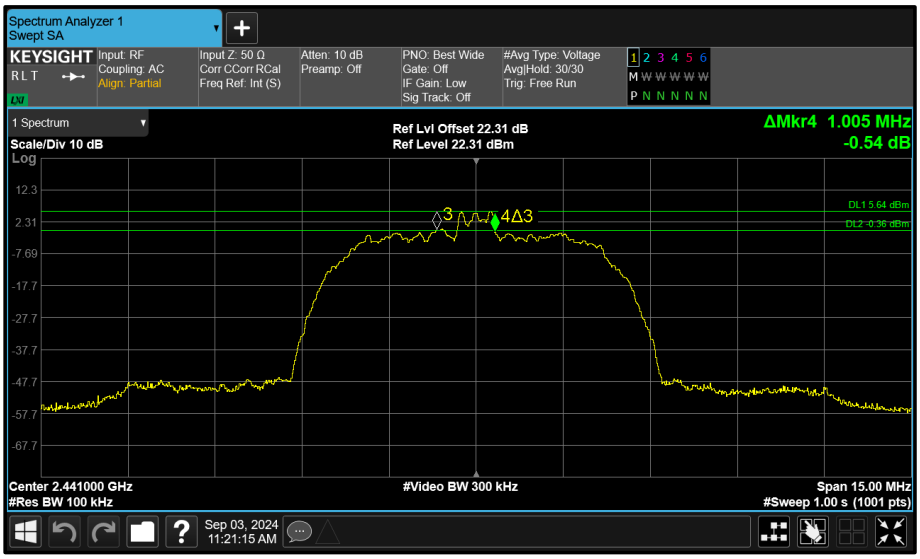


**Figure 80 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth**

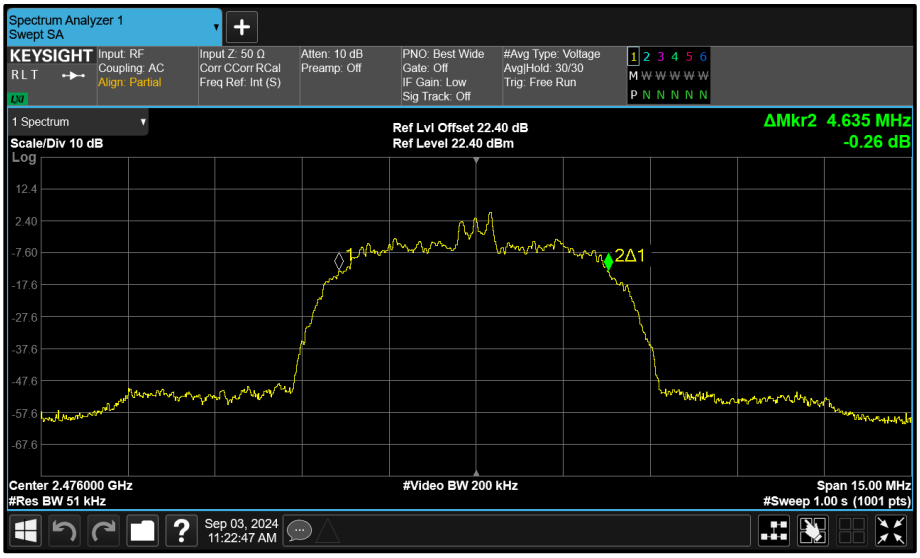


**Figure 81 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth**

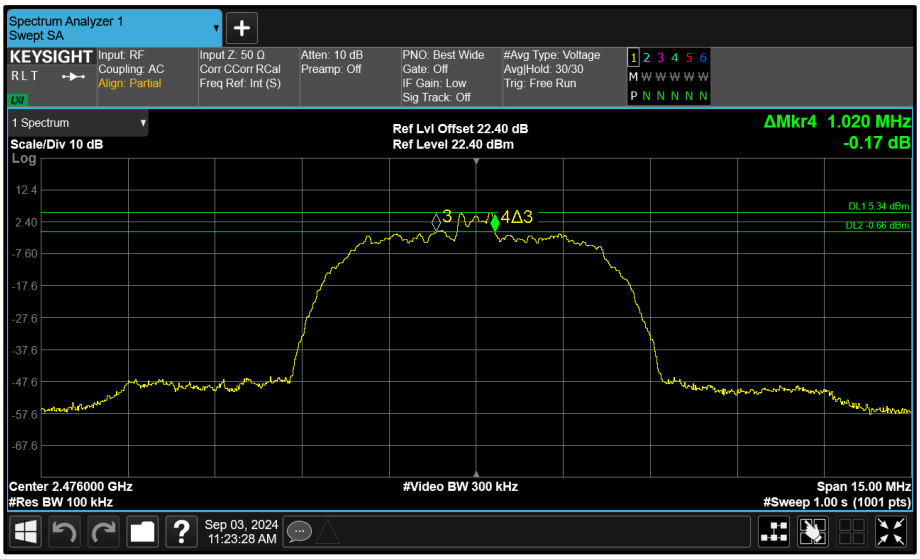


**Figure 82 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth**

| Test Configuration | | | |
|---|---|---|---|
| Frequency Range: | 2400-2483.5 MHz | Band: | 2.4 GHz |
| Limit Clause(s): | 15.247 (a)(2)<br>RSS-247 5.2 a) | Test Method(s): | C63.10 6.9.3<br>C63.10 11.8.1 |
| Additional Reference(s): | - | | |

| DUT Configuration | | | |
|---|---|---|---|
| Mode: | iPA GFSK (LE 1M) | Duty Cycle (%): | - |
| Antenna Configuration: | SISO | DCCF (dB): | - |
| Active Port(s): | B (Core 1) | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2402 | - | 0.676 | - | - | ≥500.0 |
| 2440 | - | 0.672 | - | - | ≥500.0 |
| 2480 | - | 0.672 | - | - | ≥500.0 |

**Table 20 - 6 dB Bandwidth Results**

| Test Frequency (MHz) | 99% Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2402 | - | 1.040 | - | - | - |
| 2440 | - | 1.036 | - | - | - |
| 2480 | - | 1.040 | - | - | - |

**Table 21 - 99% Bandwidth Results**

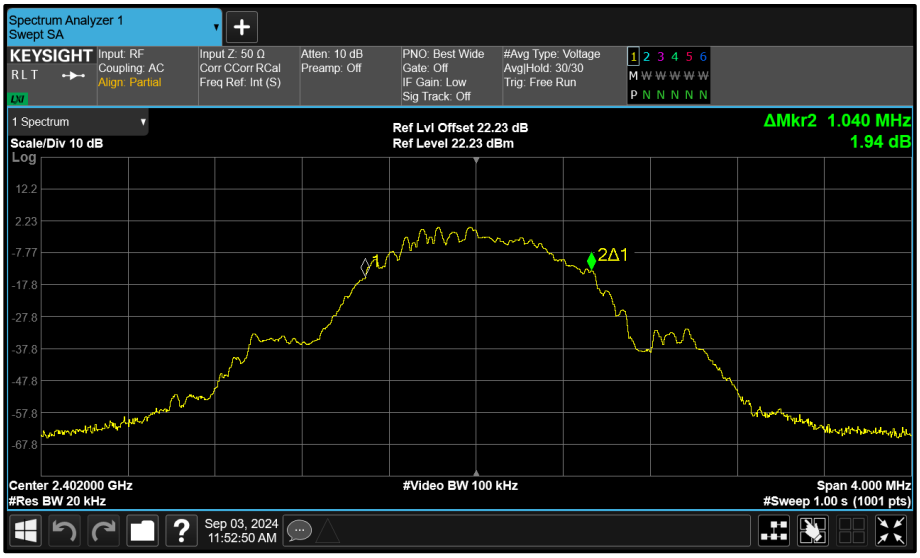


**Figure 83 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth**

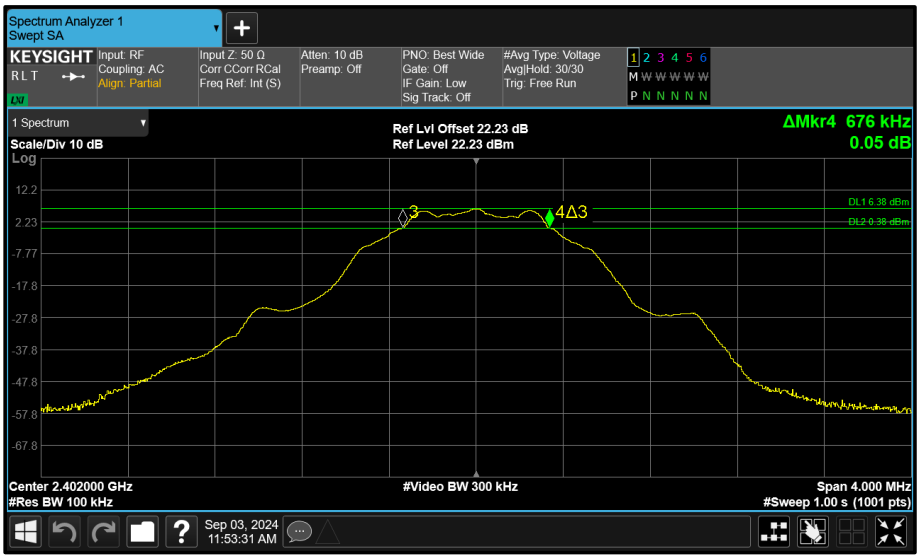


**Figure 84 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth**

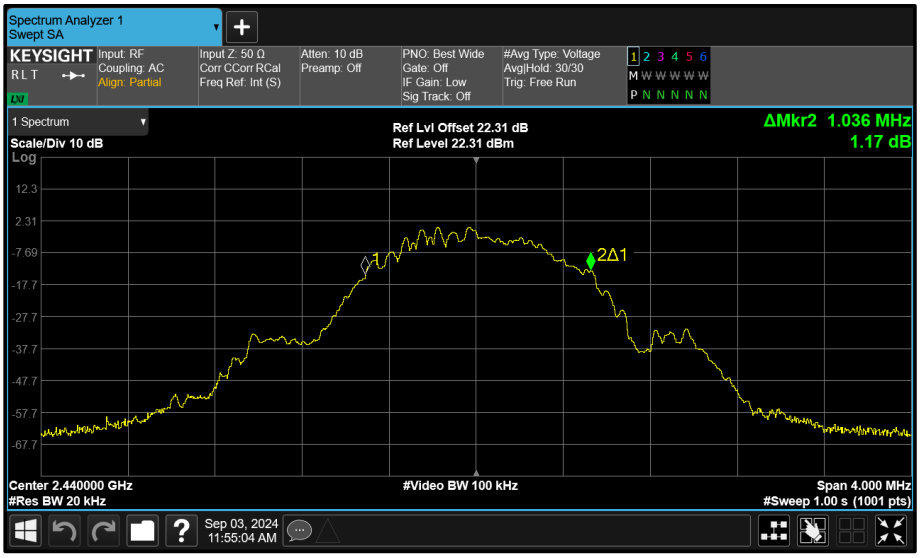


**Figure 85 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth**

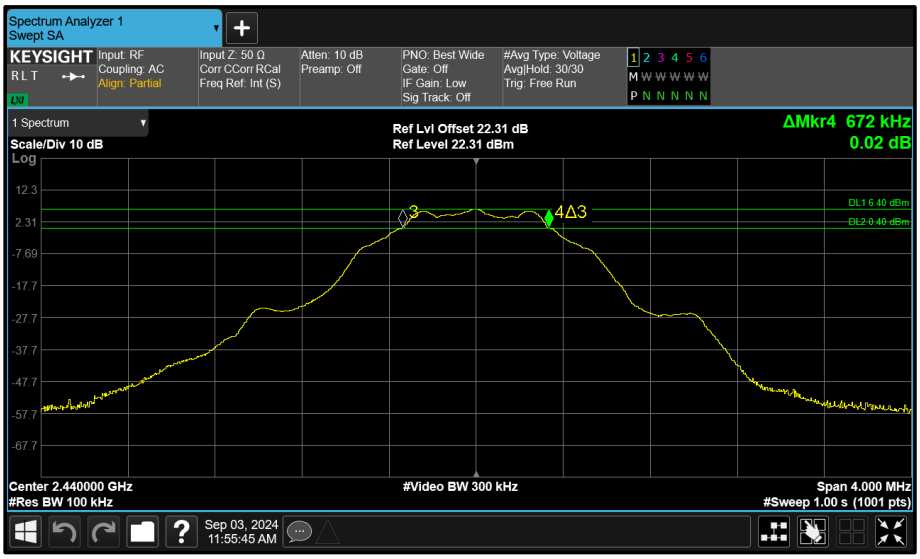


**Figure 86 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth**

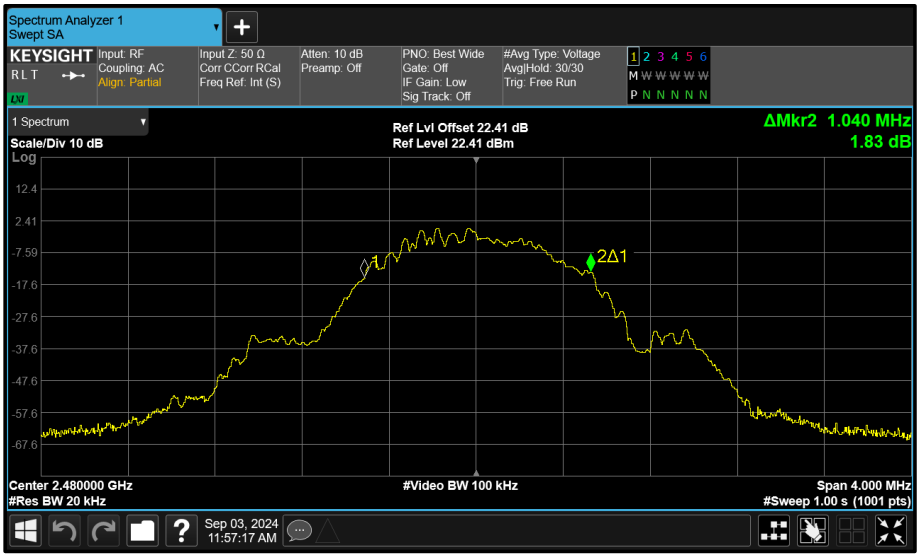


**Figure 87 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth**

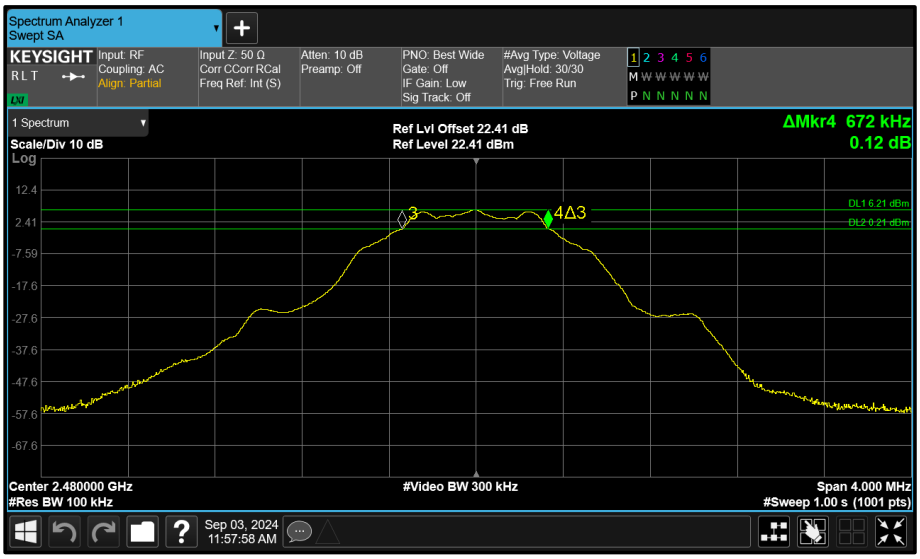


**Figure 88 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth**

| Test Configuration | | | |
|---|---|---|---|
| Frequency Range: | 2400-2483.5 MHz | Band: | 2.4 GHz |
| Limit Clause(s): | 15.247 (a)(2)<br>RSS-247 5.2 a) | Test Method(s): | C63.10 6.9.3<br>C63.10 11.8.1 |
| Additional Reference(s): | - | | |

| DUT Configuration | | | |
|---|---|---|---|
| Mode: | iPA GFSK (LE 2M) | Duty Cycle (%): | - |
| Antenna Configuration: | SISO | DCCF (dB): | - |
| Active Port(s): | B (Core 1) | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2402 | - | 1.248 | - | - | ≥500.0 |
| 2440 | - | 1.160 | - | - | ≥500.0 |
| 2480 | - | 1.168 | - | - | ≥500.0 |

**Table 22 - 6 dB Bandwidth Results**

| Test Frequency (MHz) | 99% Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2402 | - | 2.088 | - | - | - |
| 2440 | - | 2.080 | - | - | - |
| 2480 | - | 2.088 | - | - | - |

**Table 23 - 99% Bandwidth Results**

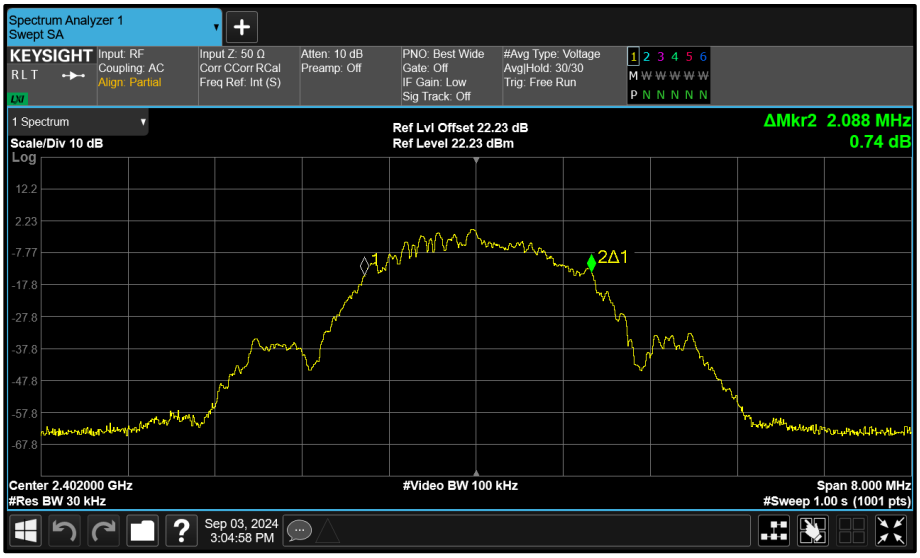


**Figure 89 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth**

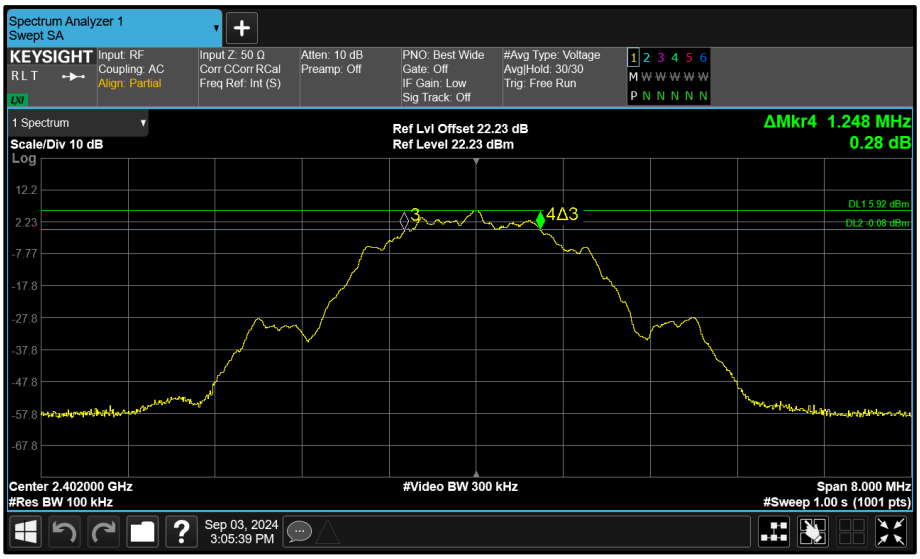


**Figure 90 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth**

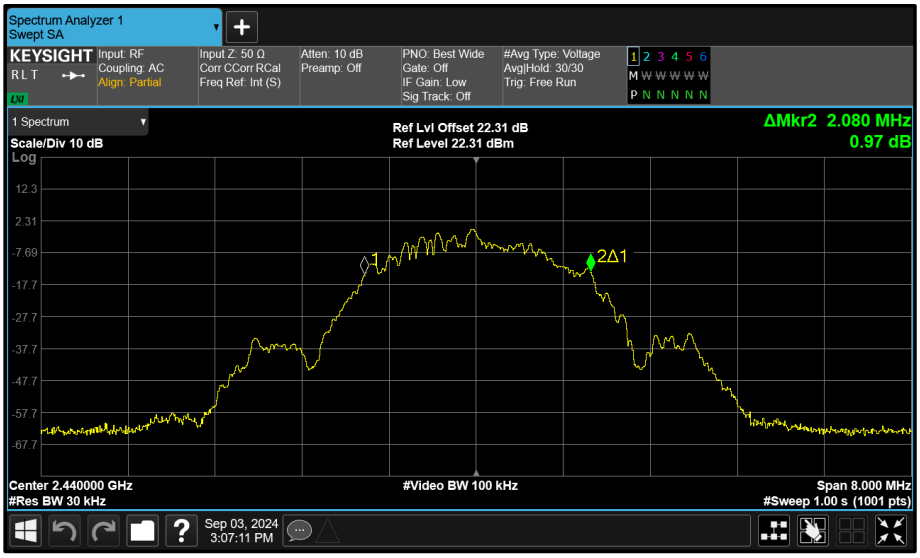


**Figure 91 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth**

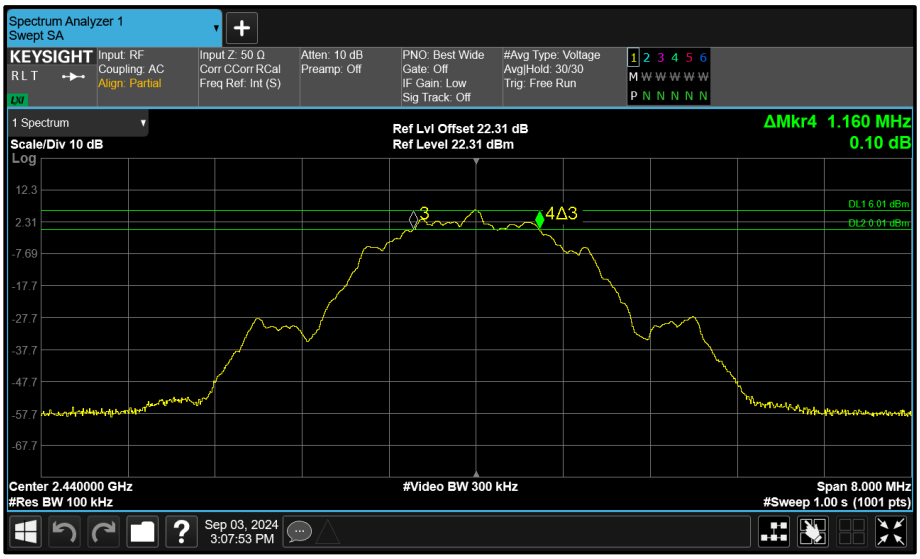


**Figure 92 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth**

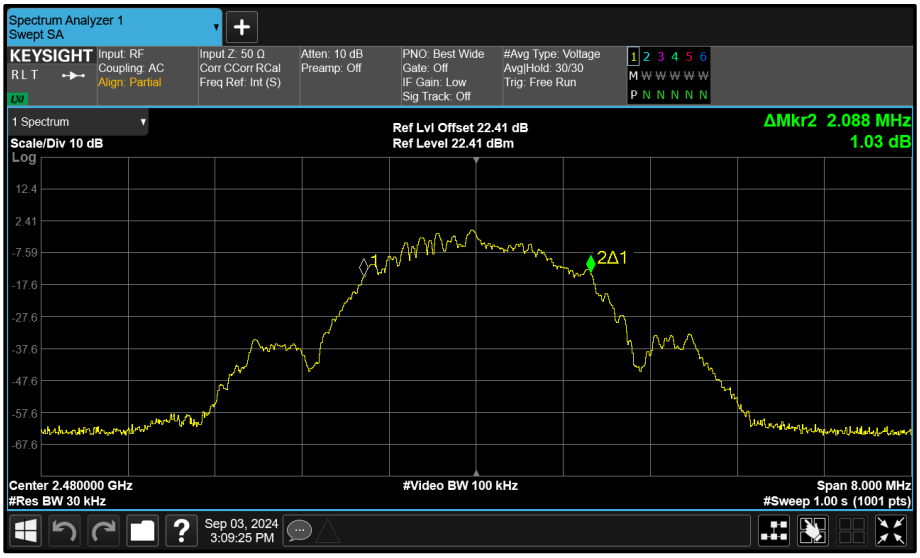


**Figure 93 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth**

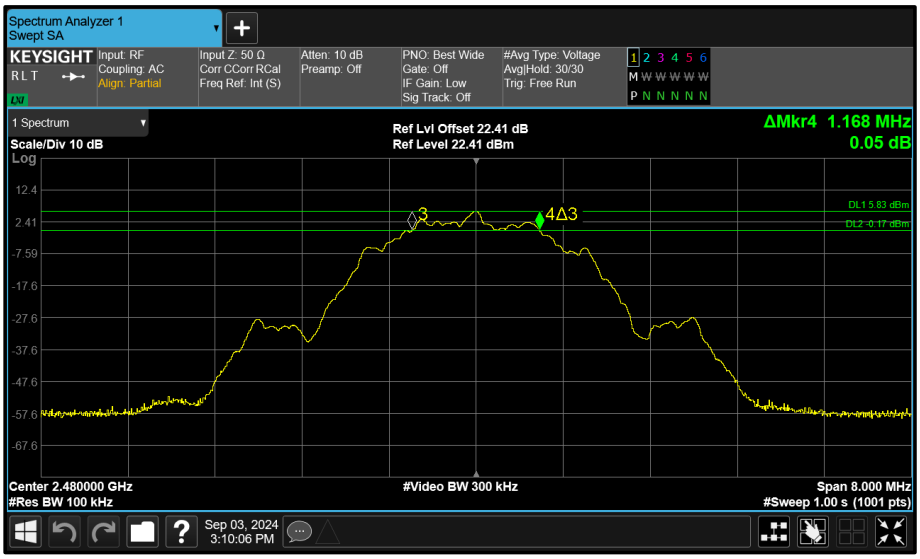


**Figure 94 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth**

| Test Configuration | | | |
|---|---|---|---|
| Frequency Range: | 2400-2483.5 MHz | Band: | 2.4 GHz |
| Limit Clause(s): | 15.247 (a)(2)<br>RSS-247 5.2 a) | Test Method(s): | C63.10 6.9.3<br>C63.10 11.8.1 |
| Additional Reference(s): | - | | |

| DUT Configuration | | | |
|---|---|---|---|
| Mode: | iPA π/4 DQPSK (4-DH5) | Duty Cycle (%): | - |
| Antenna Configuration: | SISO | DCCF (dB): | - |
| Active Port(s): | C (Core 2) | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | - | - | 1.896 | - | ≥500.0 |
| 2441 | - | - | 1.896 | - | ≥500.0 |
| 2476 | - | - | 1.888 | - | ≥500.0 |

**Table 24 - 6 dB Bandwidth Results**

| Test Frequency (MHz) | 99% Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | - | - | 2.320 | - | - |
| 2441 | - | - | 2.320 | - | - |
| 2476 | - | - | 2.320 | - | - |

**Table 25 - 99% Bandwidth Results**

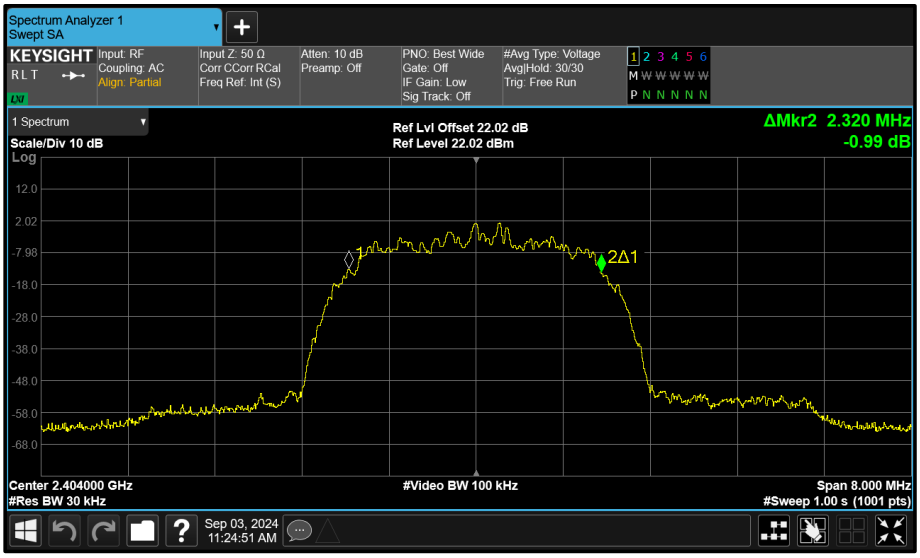


**Figure 95 - Core 2 (C) 2404 MHz (CH2) 99% Bandwidth**

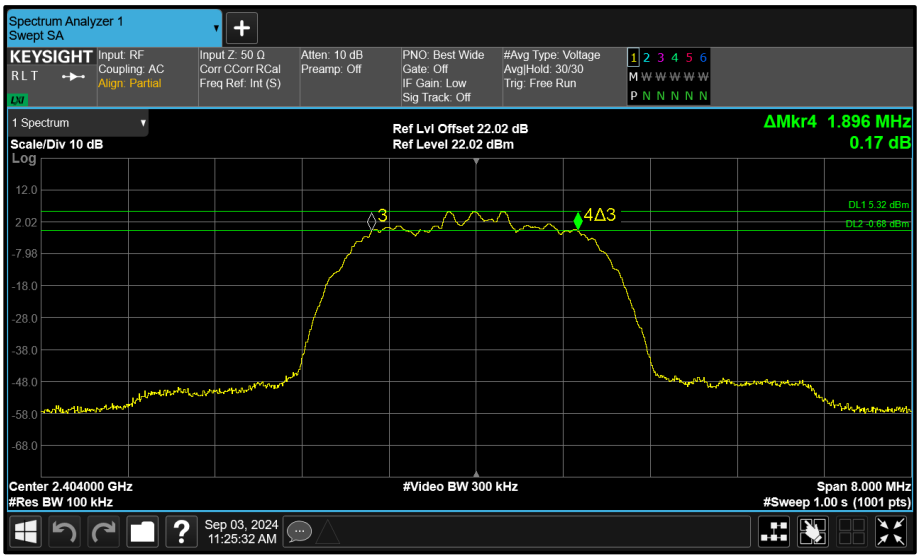


**Figure 96 - Core 2 (C) 2404 MHz (CH2) 6 dB Bandwidth**

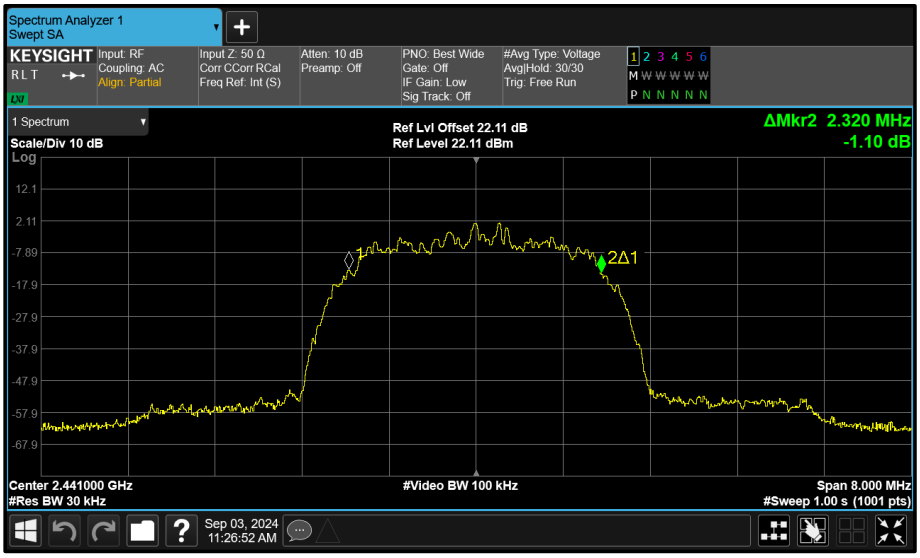


**Figure 97 - Core 2 (C) 2441 MHz (CH39) 99% Bandwidth**

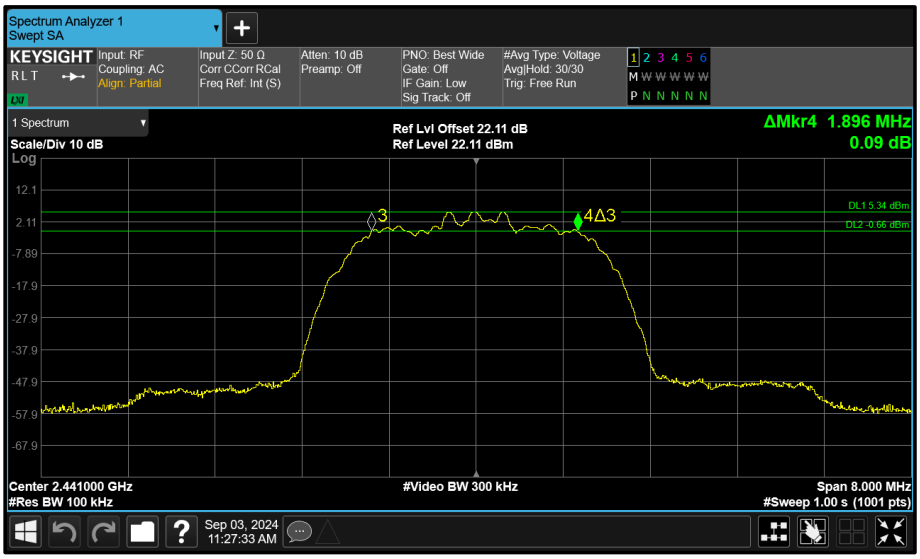


**Figure 98 - Core 2 (C) 2441 MHz (CH39) 6 dB Bandwidth**

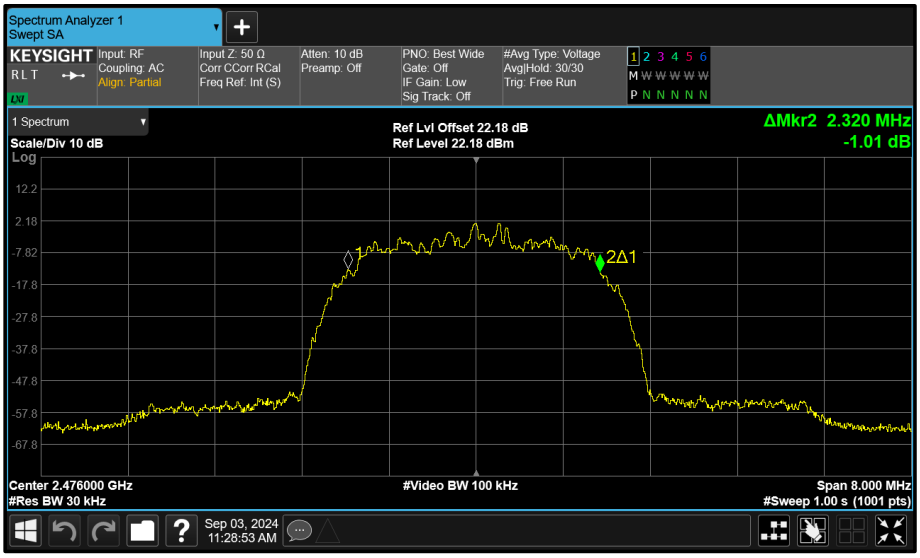


**Figure 99 - Core 2 (C) 2476 MHz (CH74) 99% Bandwidth**

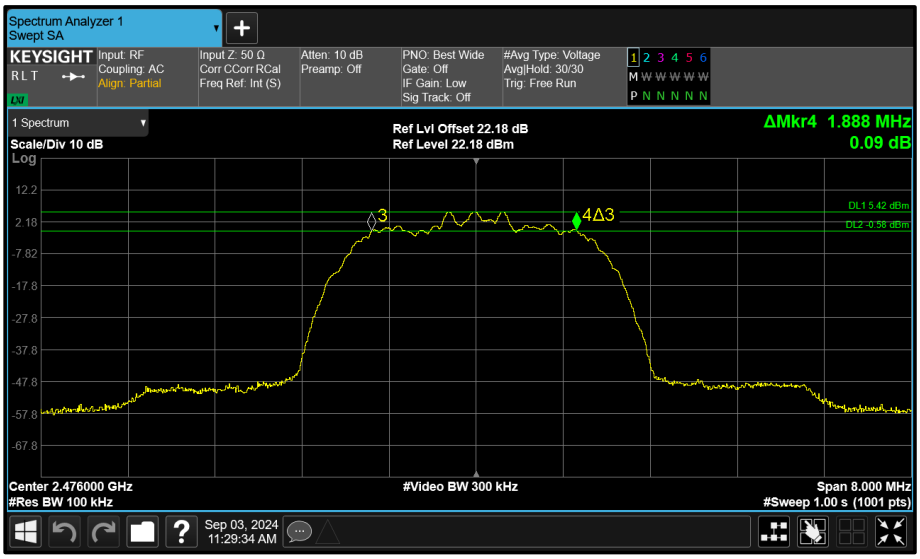


**Figure 100 - Core 2 (C) 2476 MHz (CH74) 6 dB Bandwidth**

| Test Configuration | | | |
|---|---|---|---|
| Frequency Range: | 2400-2483.5 MHz | Band: | 2.4 GHz |
| Limit Clause(s): | 15.247 (a)(2)<br>RSS-247 5.2 a) | Test Method(s): | C63.10 6.9.3<br>C63.10 11.8.1 |
| Additional Reference(s): | - | | |

| DUT Configuration | | | |
|---|---|---|---|
| Mode: | iPA π/4 DQPSK (8-DH5) | Duty Cycle (%): | - |
| Antenna Configuration: | SISO | DCCF (dB): | - |
| Active Port(s): | C (Core 2) | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | - | - | 1.035 | - | ≥500.0 |
| 2441 | - | - | 1.020 | - | ≥500.0 |
| 2476 | - | - | 1.005 | - | ≥500.0 |

**Table 26 - 6 dB Bandwidth Results**

| Test Frequency (MHz) | 99% Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | - | - | 4.635 | - | - |
| 2441 | - | - | 4.650 | - | - |
| 2476 | - | - | 4.650 | - | - |

**Table 27 - 99% Bandwidth Results**

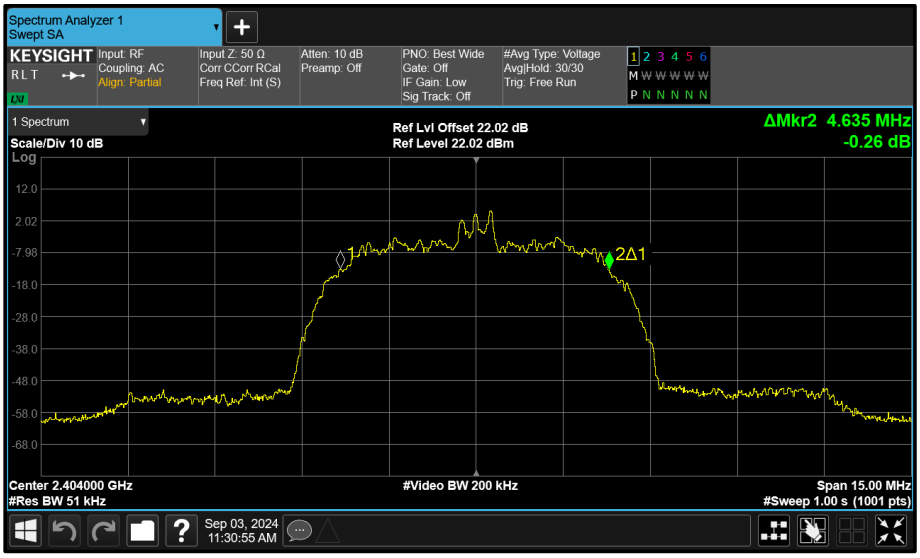


**Figure 101 - Core 2 (C) 2404 MHz (CH2) 99% Bandwidth**

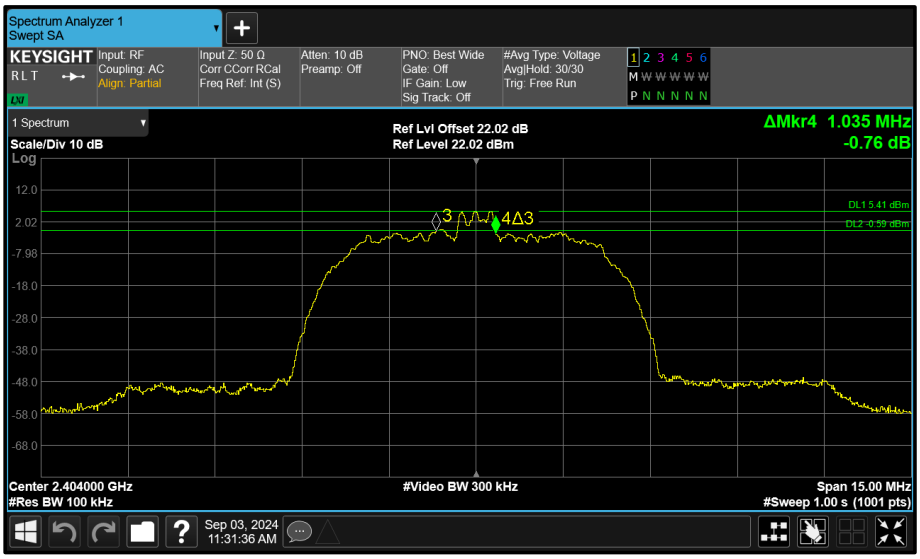


**Figure 102 - Core 2 (C) 2404 MHz (CH2) 6 dB Bandwidth**

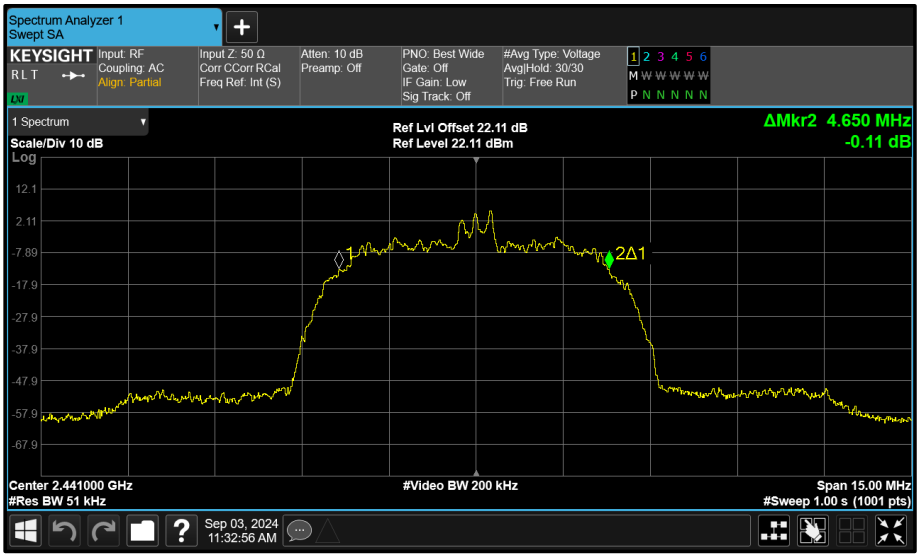


**Figure 103 - Core 2 (C) 2441 MHz (CH39) 99% Bandwidth**

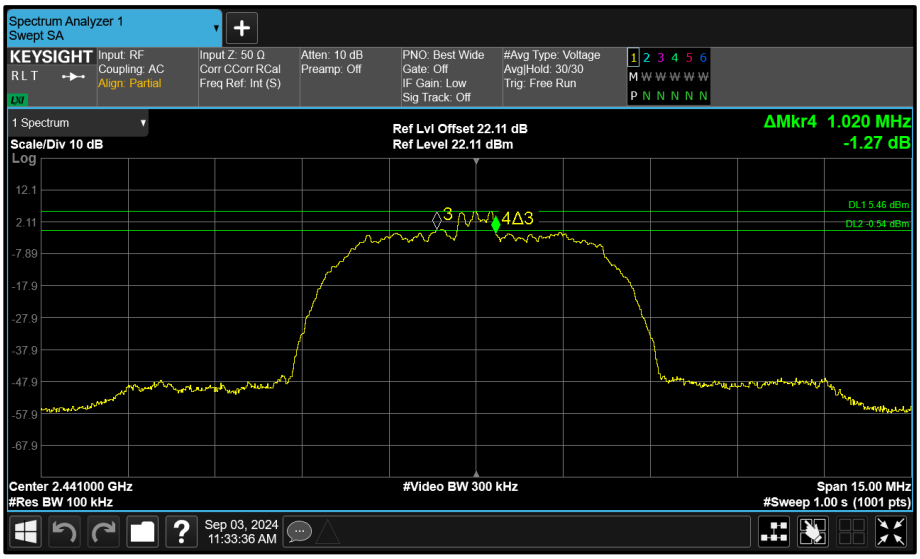


**Figure 104 - Core 2 (C) 2441 MHz (CH39) 6 dB Bandwidth**

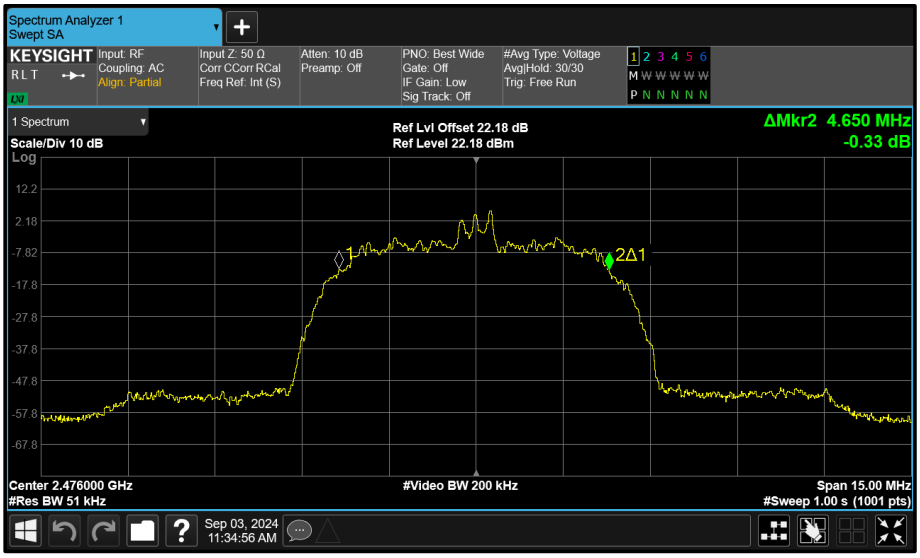


**Figure 105 - Core 2 (C) 2476 MHz (CH74) 99% Bandwidth**

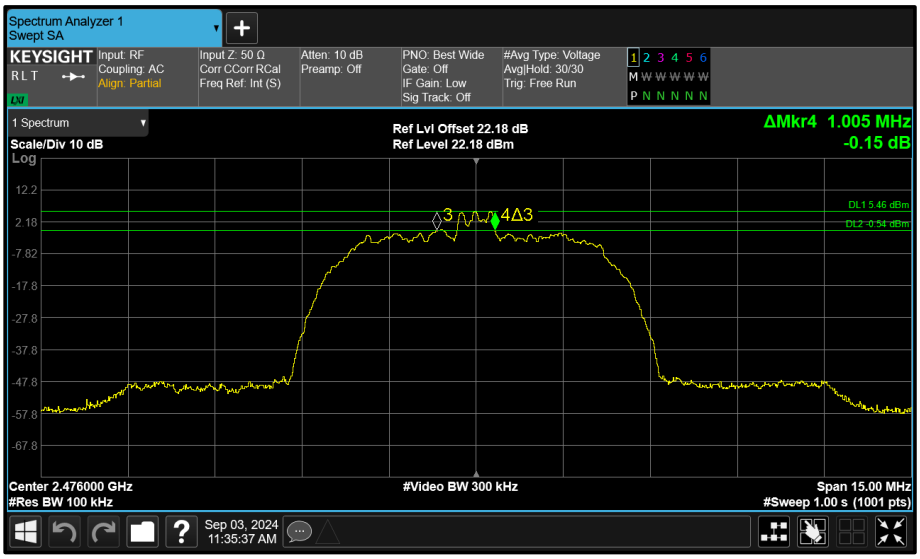


**Figure 106 - Core 2 (C) 2476 MHz (CH74) 6 dB Bandwidth**

| Test Configuration | | | |
|---|---|---|---|
| Frequency Range: | 2400-2483.5 MHz | Band: | 2.4 GHz |
| Limit Clause(s): | 15.247 (a)(2)<br>RSS-247 5.2 a) | Test Method(s): | C63.10 6.9.3<br>C63.10 11.8.1 |
| Additional Reference(s): | - | | |

| DUT Configuration | | | |
|---|---|---|---|
| Mode: | iPA GFSK (LE 1M) | Duty Cycle (%): | - |
| Antenna Configuration: | SISO | DCCF (dB): | - |
| Active Port(s): | C (Core 2) | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2402 | - | - | 0.728 | - | ≥500.0 |
| 2440 | - | - | 0.704 | - | ≥500.0 |
| 2480 | - | - | 0.728 | - | ≥500.0 |

**Table 28 - 6 dB Bandwidth Results**

| Test Frequency (MHz) | 99% Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2402 | - | - | 1.040 | - | - |
| 2440 | - | - | 1.036 | - | - |
| 2480 | - | - | 1.036 | - | - |

**Table 29 - 99% Bandwidth Results**

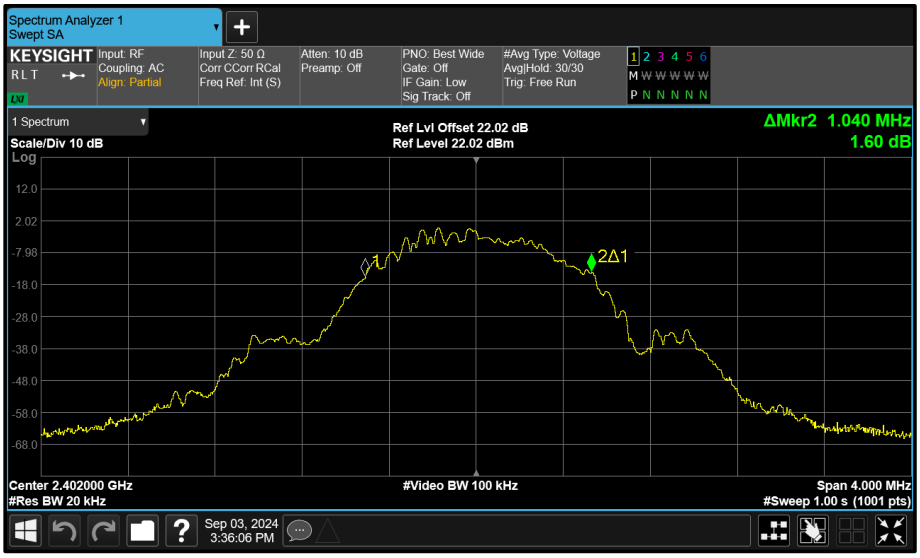


**Figure 107 - Core 2 (C) 2402 MHz (CH37) 99% Bandwidth**

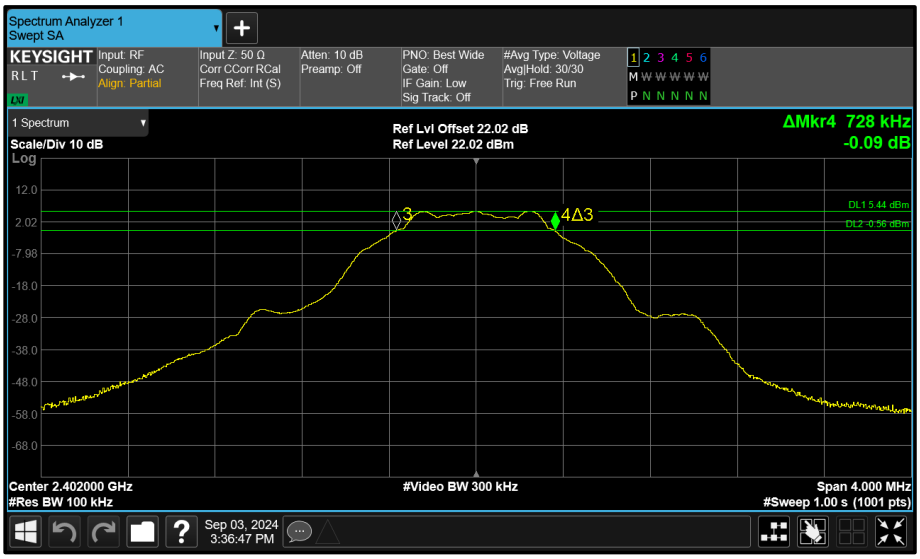


**Figure 108 - Core 2 (C) 2402 MHz (CH37) 6 dB Bandwidth**

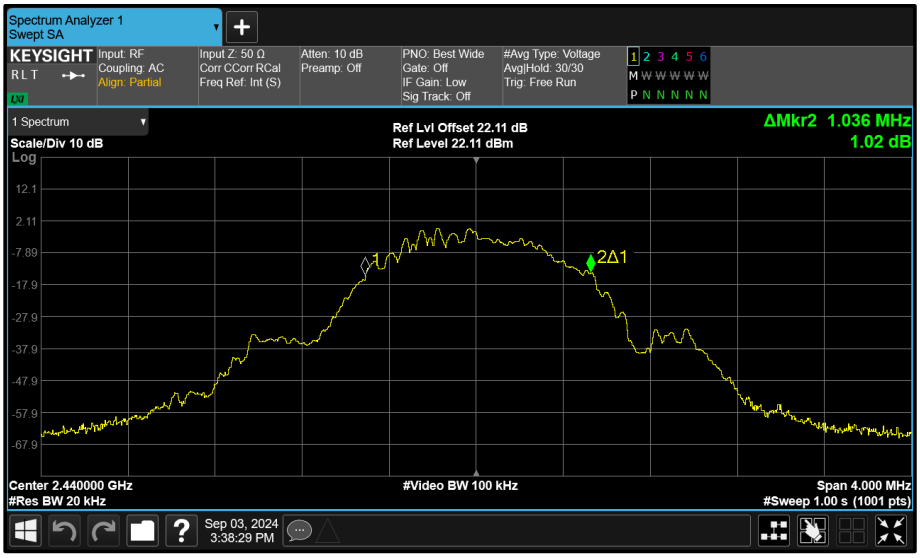


**Figure 109 - Core 2 (C) 2440 MHz (CH17) 99% Bandwidth**

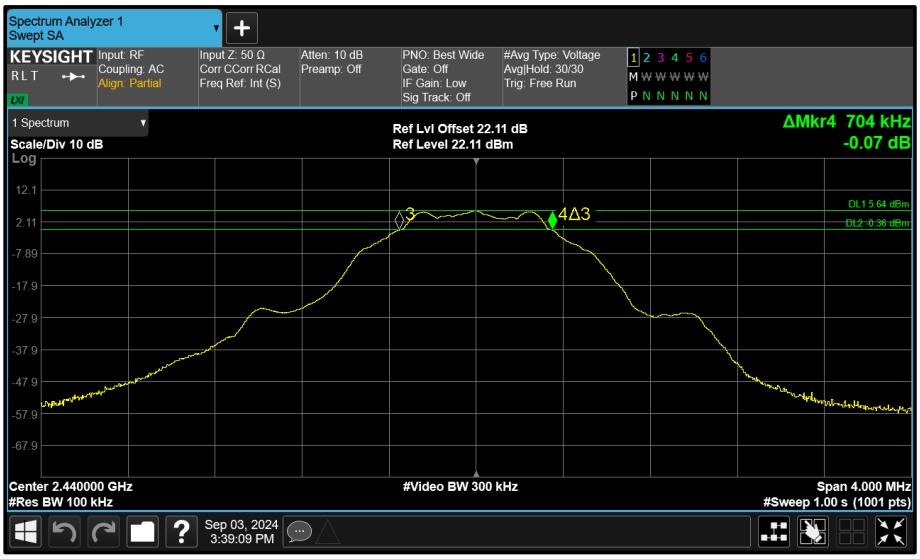


**Figure 110 - Core 2 (C) 2440 MHz (CH17) 6 dB Bandwidth**

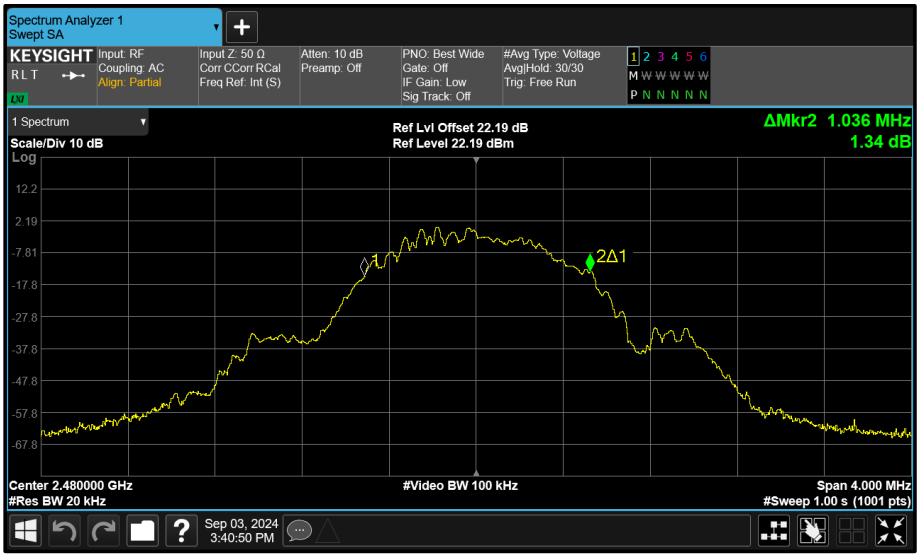


**Figure 111 - Core 2 (C) 2480 MHz (CH39) 99% Bandwidth**

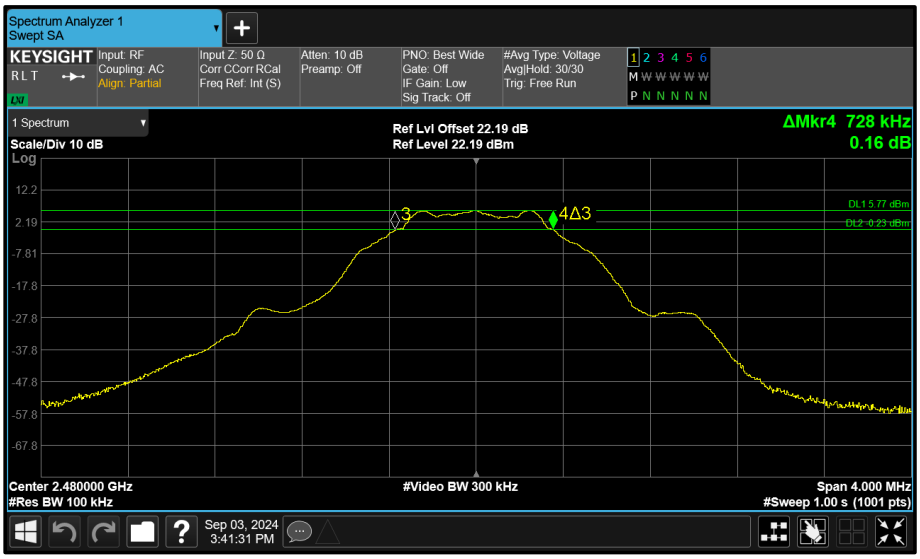


**Figure 112 - Core 2 (C) 2480 MHz (CH39) 6 dB Bandwidth**

| Test Configuration | | | |
|---|---|---|---|
| Frequency Range: | 2400-2483.5 MHz | Band: | 2.4 GHz |
| Limit Clause(s): | 15.247 (a)(2)<br>RSS-247 5.2 a) | Test Method(s): | C63.10 6.9.3<br>C63.10 11.8.1 |
| Additional Reference(s): | - | | |

| DUT Configuration | | | |
|---|---|---|---|
| Mode: | iPA GFSK (LE 2M) | Duty Cycle (%): | - |
| Antenna Configuration: | SISO | DCCF (dB): | - |
| Active Port(s): | C (Core 2) | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2402 | - | - | 1.264 | - | ≥500.0 |
| 2440 | - | - | 1.264 | - | ≥500.0 |
| 2480 | - | - | 1.264 | - | ≥500.0 |

**Table 30 - 6 dB Bandwidth Results**

| Test Frequency (MHz) | 99% Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2402 | - | - | 2.088 | - | - |
| 2440 | - | - | 2.080 | - | - |
| 2480 | - | - | 2.080 | - | - |

**Table 31 - 99% Bandwidth Results**

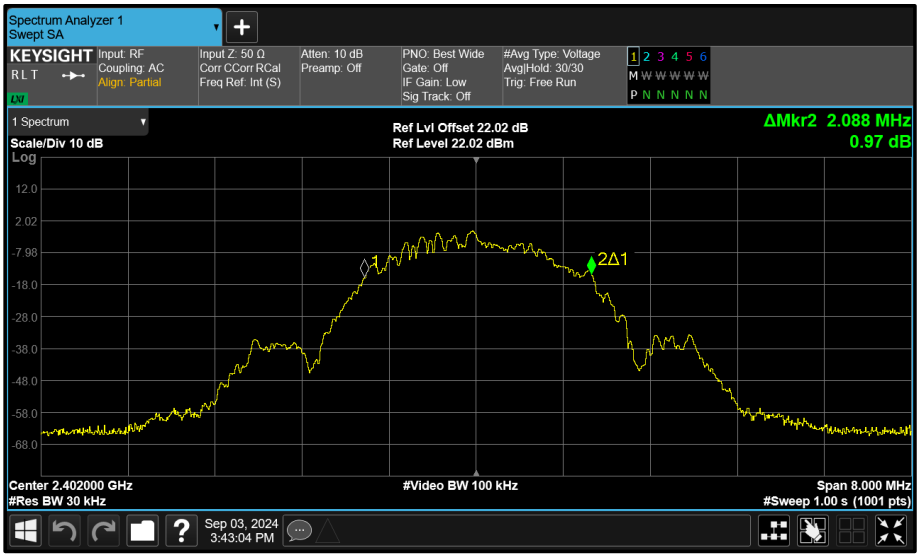


**Figure 113 - Core 2 (C) 2402 MHz (CH37) 99% Bandwidth**

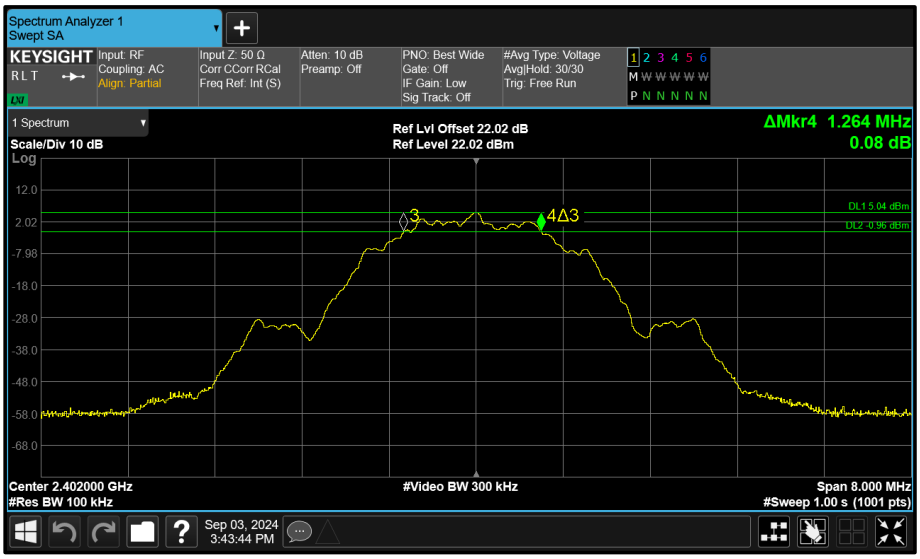


**Figure 114 - Core 2 (C) 2402 MHz (CH37) 6 dB Bandwidth**

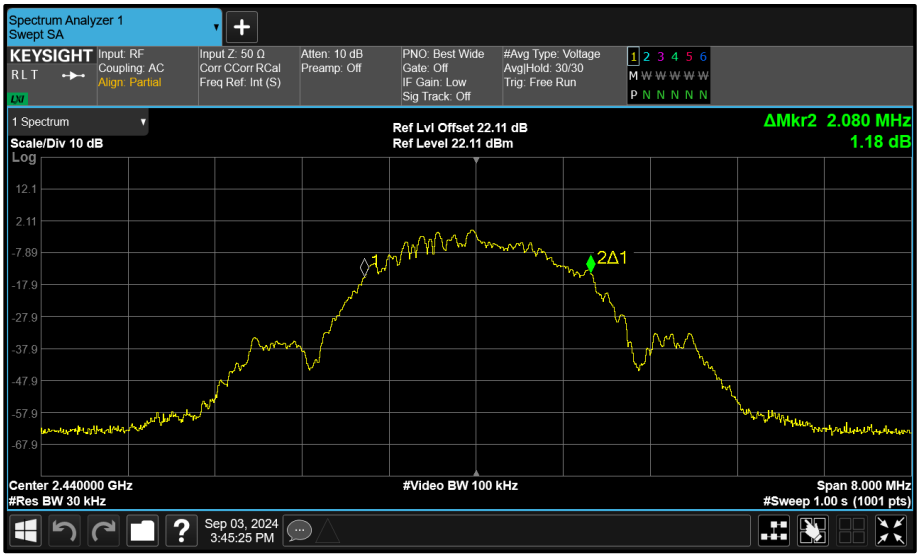


**Figure 115 - Core 2 (C) 2440 MHz (CH17) 99% Bandwidth**

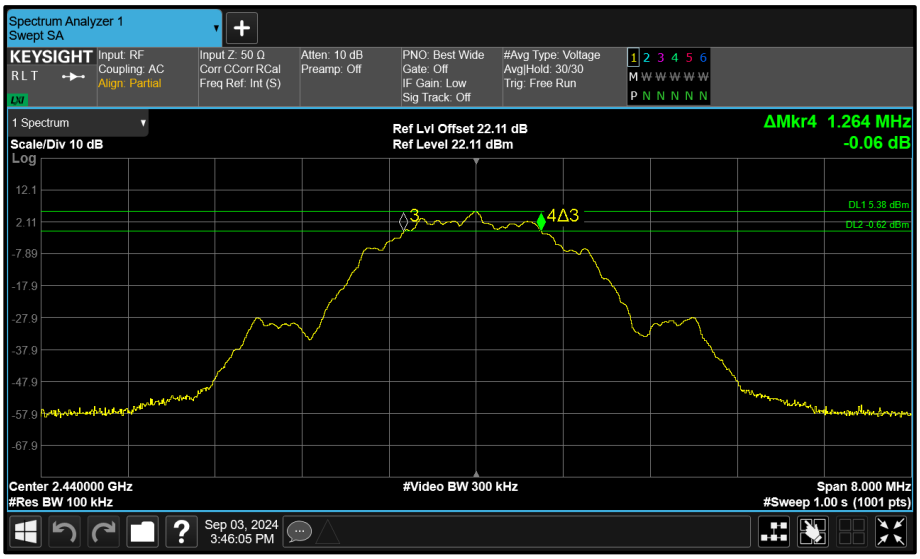


**Figure 116 - Core 2 (C) 2440 MHz (CH17) 6 dB Bandwidth**

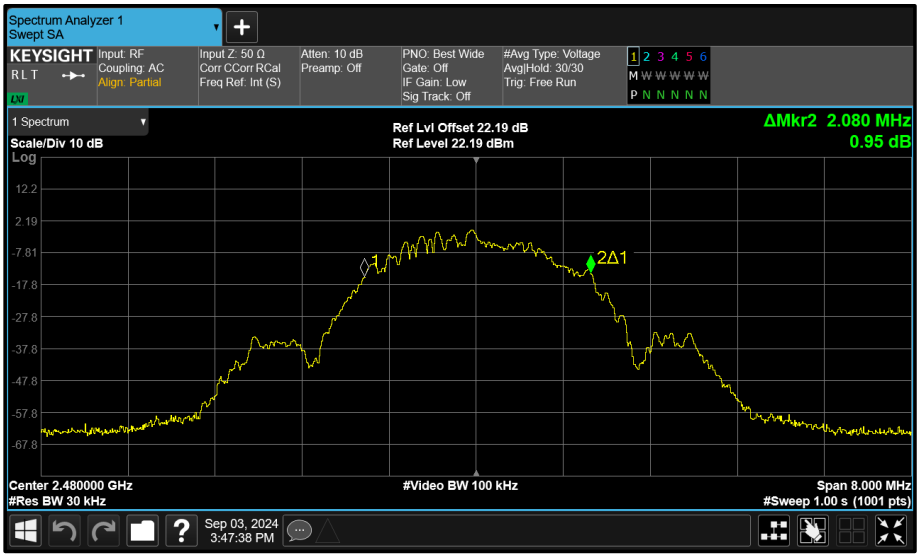


**Figure 117 - Core 2 (C) 2480 MHz (CH39) 99% Bandwidth**

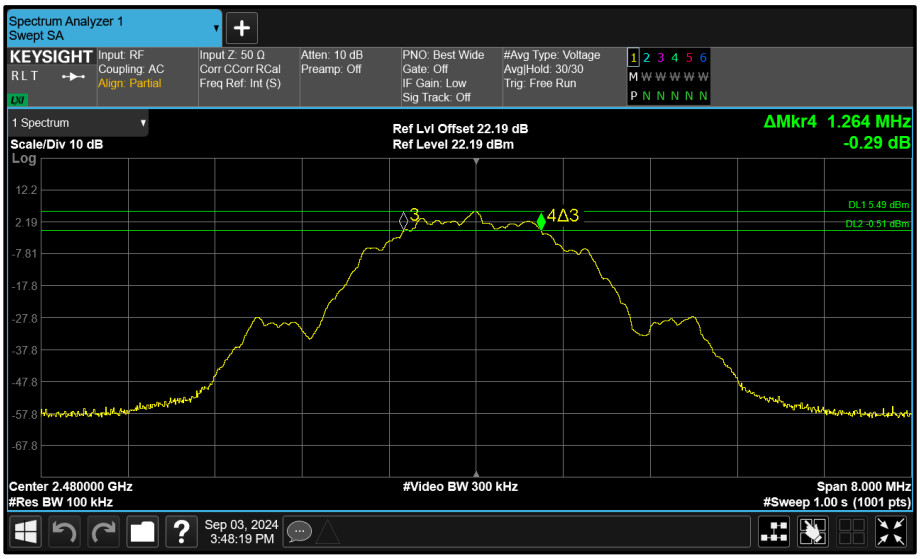


**Figure 118 - Core 2 (C) 2480 MHz (CH39) 6 dB Bandwidth**

| Test Configuration | | | |
|---|---|---|---|
| Frequency Range: | 2400-2483.5 MHz | Band: | 2.4 GHz |
| Limit Clause(s): | 15.247 (a)(2)<br>RSS-247 5.2 a) | Test Method(s): | C63.10 6.9.3<br>C63.10 11.8.1 |
| Additional Reference(s): | - | | |

| DUT Configuration | | | |
|---|---|---|---|
| Mode: | ePA π/4 DQPSK (4-DH5) | Duty Cycle (%): | - |
| Antenna Configuration: | SISO | DCCF (dB): | - |
| Active Port(s): | B (Core 1) | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | - | 1.664 | - | - | ≥500.0 |
| 2441 | - | 1.904 | - | - | ≥500.0 |
| 2476 | - | 1.904 | - | - | ≥500.0 |

**Table 32 - 6 dB Bandwidth Results**

| Test Frequency (MHz) | 99% Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | - | 2.320 | - | - | - |
| 2441 | - | 2.328 | - | - | - |
| 2476 | - | 2.328 | - | - | - |

**Table 33 - 99% Bandwidth Results**

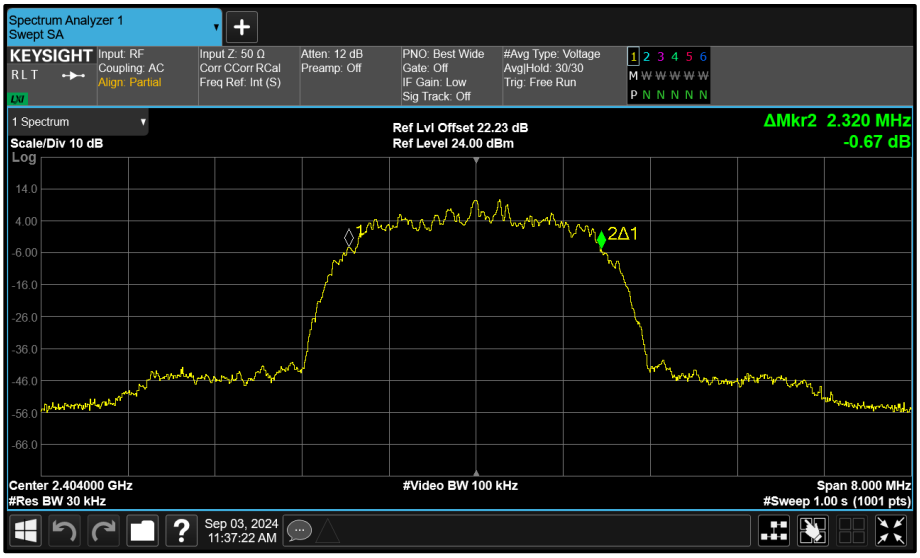


**Figure 119 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth**

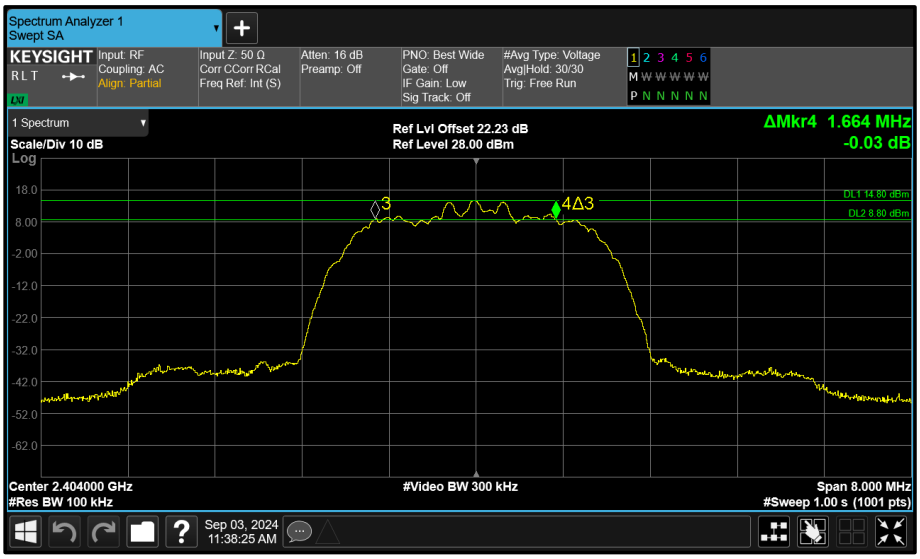


**Figure 120 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth**

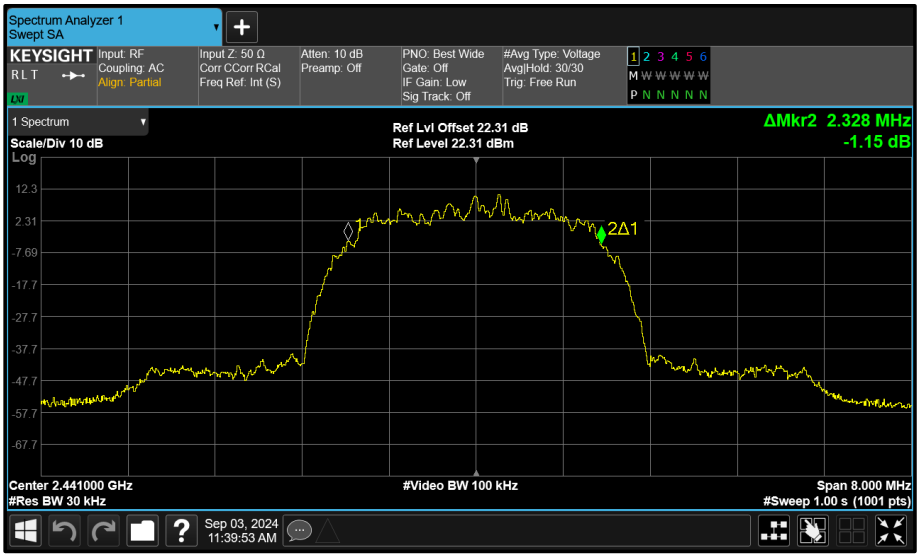


**Figure 121 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth**

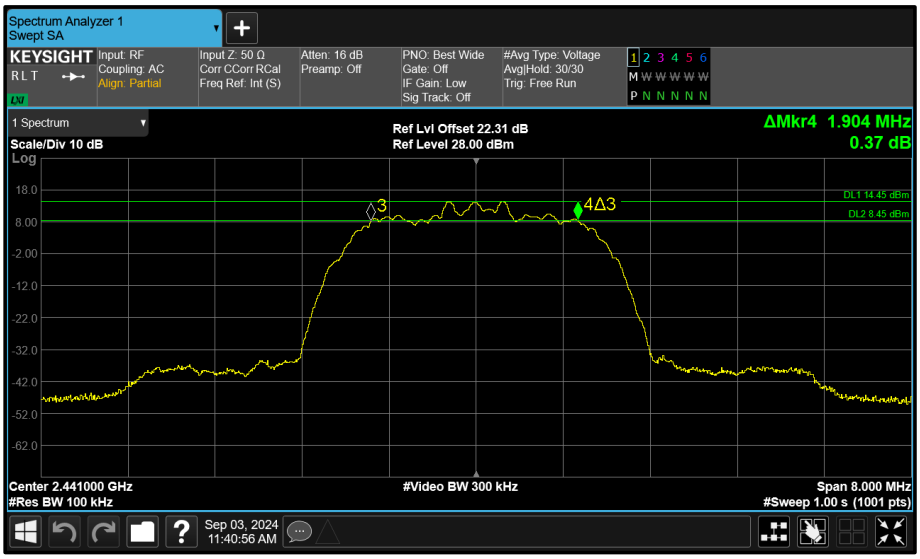


**Figure 122 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth**

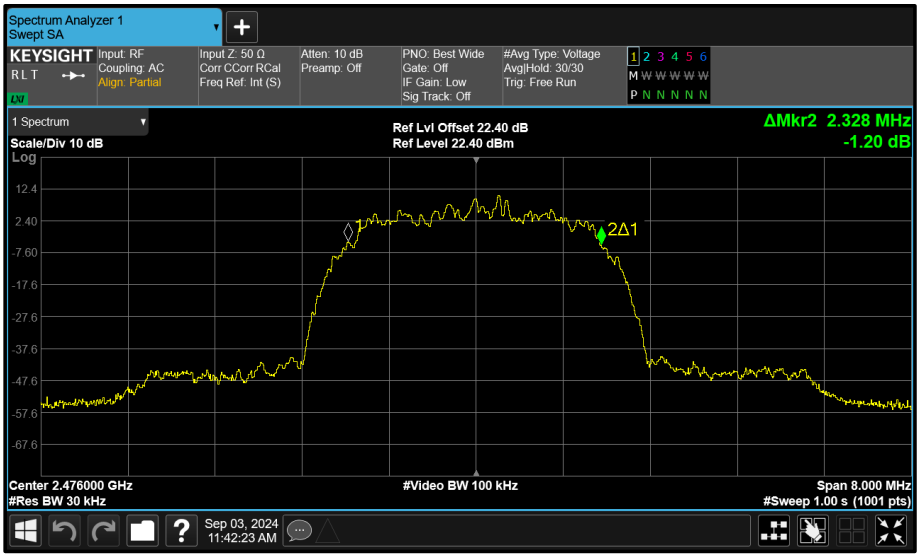


**Figure 123 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth**

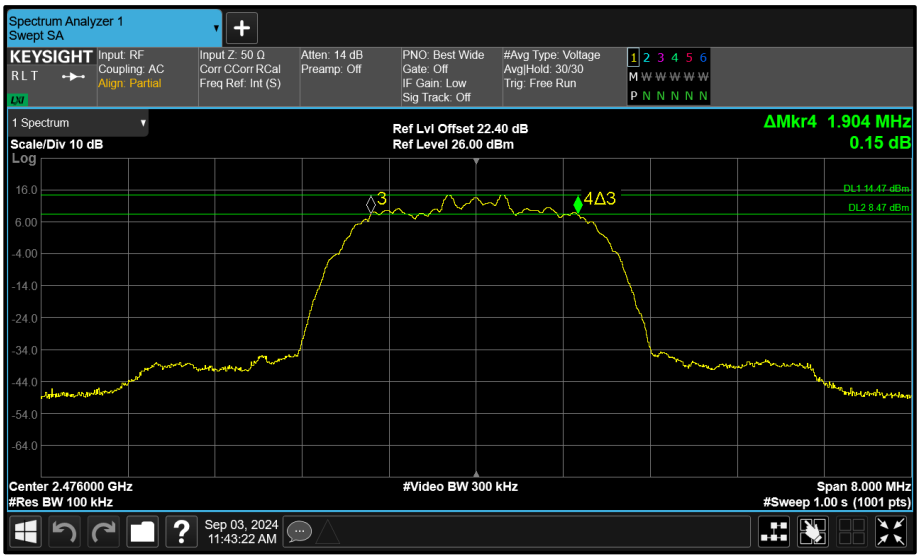


**Figure 124 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth**

| Test Configuration | | | |
|---|---|---|---|
| Frequency Range: | 2400-2483.5 MHz | Band: | 2.4 GHz |
| Limit Clause(s): | 15.247 (a)(2)<br>RSS-247 5.2 a) | Test Method(s): | C63.10 6.9.3<br>C63.10 11.8.1 |
| Additional Reference(s): | - | | |

| DUT Configuration | | | |
|---|---|---|---|
| Mode: | ePA π/4 DQPSK (8-DH5) | Duty Cycle (%): | - |
| Antenna Configuration: | SISO | DCCF (dB): | - |
| Active Port(s): | B (Core 1) | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | - | 1.020 | - | - | ≥500.0 |
| 2441 | - | 1.020 | - | - | ≥500.0 |
| 2476 | - | 1.020 | - | - | ≥500.0 |

**Table 34 - 6 dB Bandwidth Results**

| Test Frequency (MHz) | 99% Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | - | 4.620 | - | - | - |
| 2441 | - | 4.635 | - | - | - |
| 2476 | - | 4.635 | - | - | - |

**Table 35 - 99% Bandwidth Results**

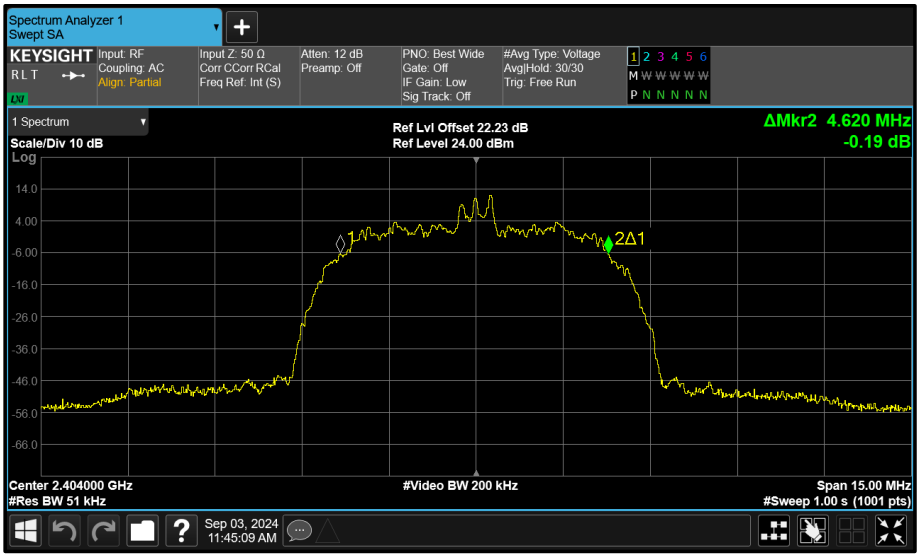


**Figure 125 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth**

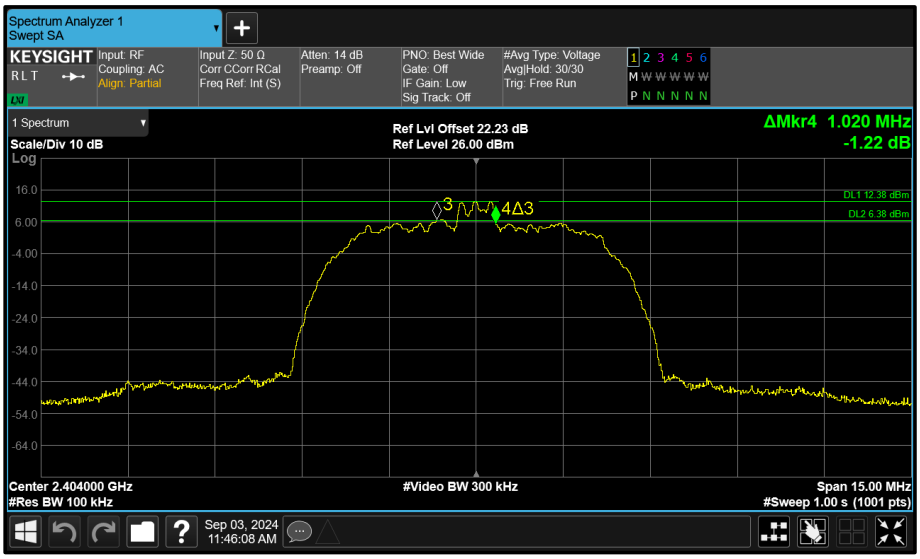


**Figure 126 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth**

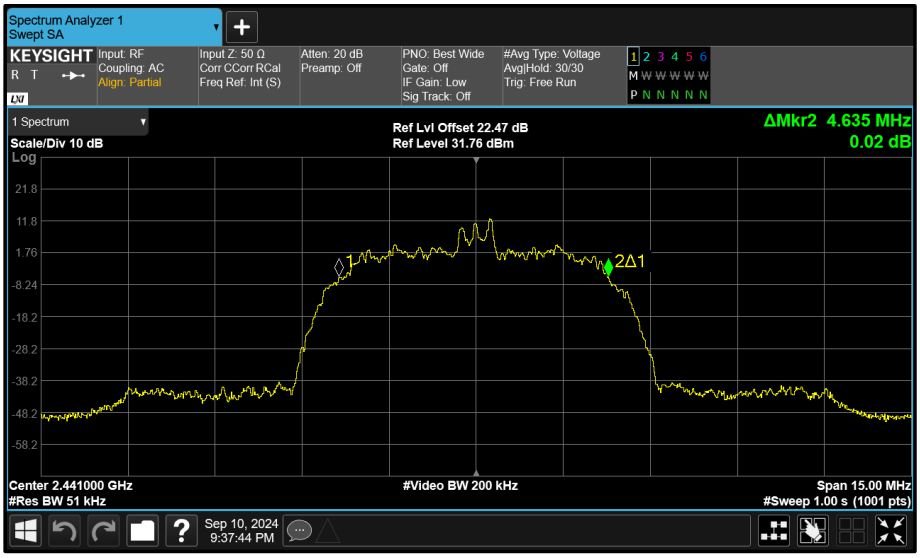


**Figure 127 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth**

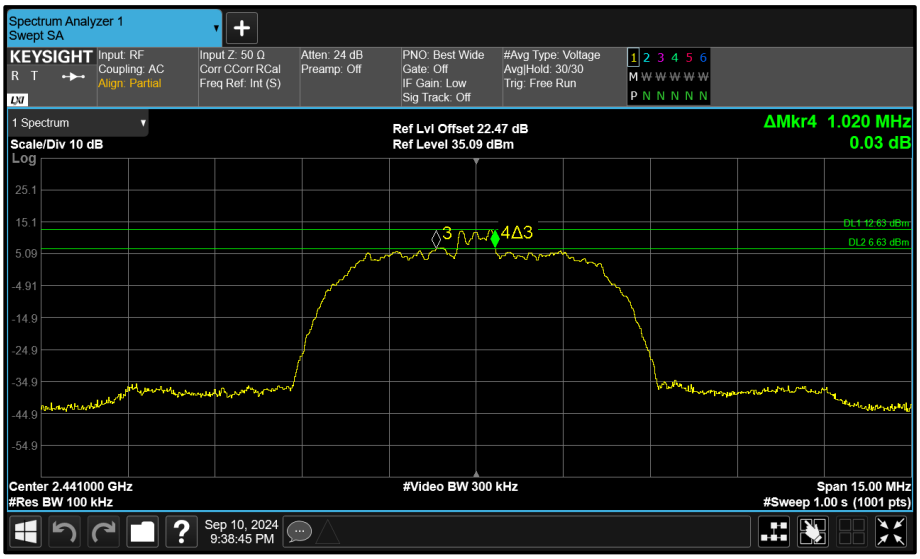


**Figure 128 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth**

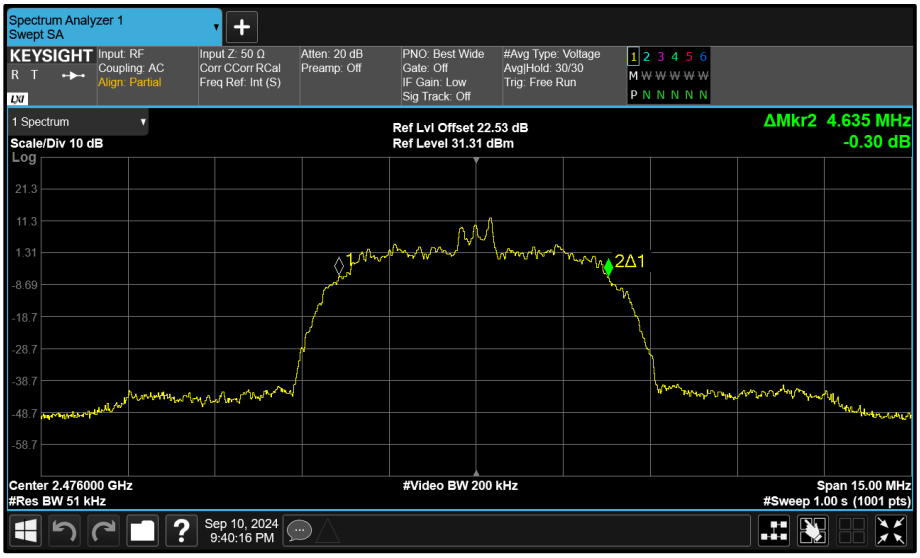


**Figure 129 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth**

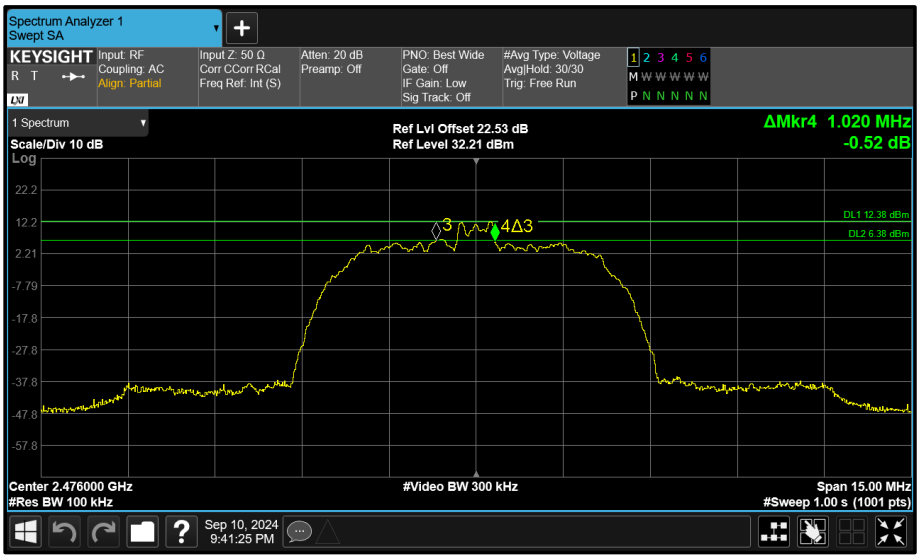


**Figure 130 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth**

| Test Configuration | | | |
|---|---|---|---|
| Frequency Range: | 2400-2483.5 MHz | Band: | 2.4 GHz |
| Limit Clause(s): | 15.247 (a)(2)<br>RSS-247 5.2 a) | Test Method(s): | C63.10 6.9.3<br>C63.10 11.8.1 |
| Additional Reference(s): | - | | |

| DUT Configuration | | | |
|---|---|---|---|
| Mode: | ePA GFSK (LE 1M) | Duty Cycle (%): | - |
| Antenna Configuration: | SISO | DCCF (dB): | - |
| Active Port(s): | A (Core 0) | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2402 | 0.728 | - | - | - | ≥500.0 |
| 2440 | 0.728 | - | - | - | ≥500.0 |
| 2480 | 0.728 | - | - | - | ≥500.0 |

**Table 36 - 6 dB Bandwidth Results**

| Test Frequency (MHz) | 99% Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2402 | 1.044 | - | - | - | - |
| 2440 | 1.040 | - | - | - | - |
| 2480 | 1.044 | - | - | - | - |

**Table 37 - 99% Bandwidth Results**

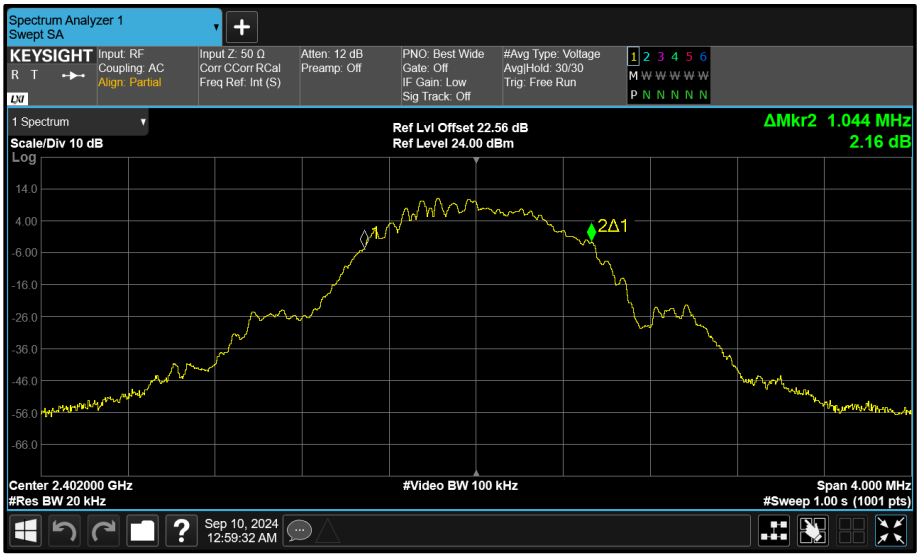


**Figure 131 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth**

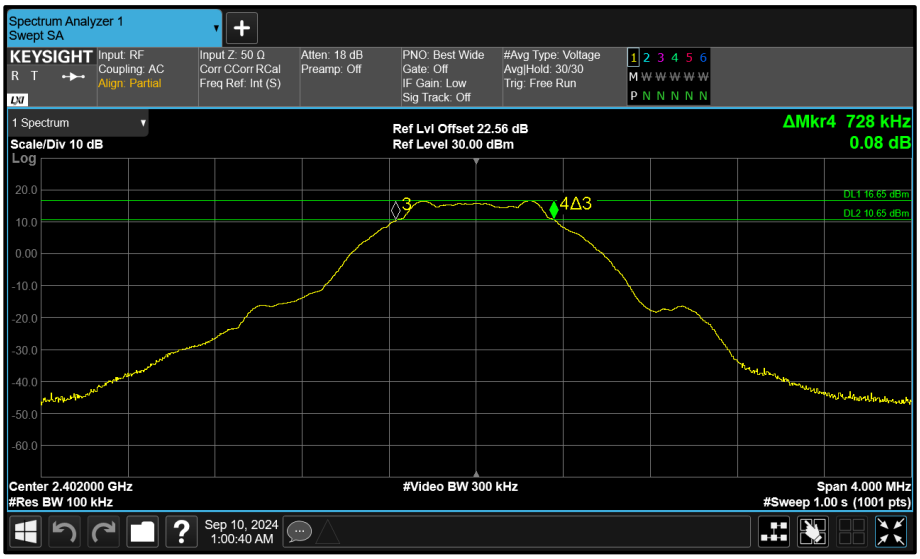


**Figure 132 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth**

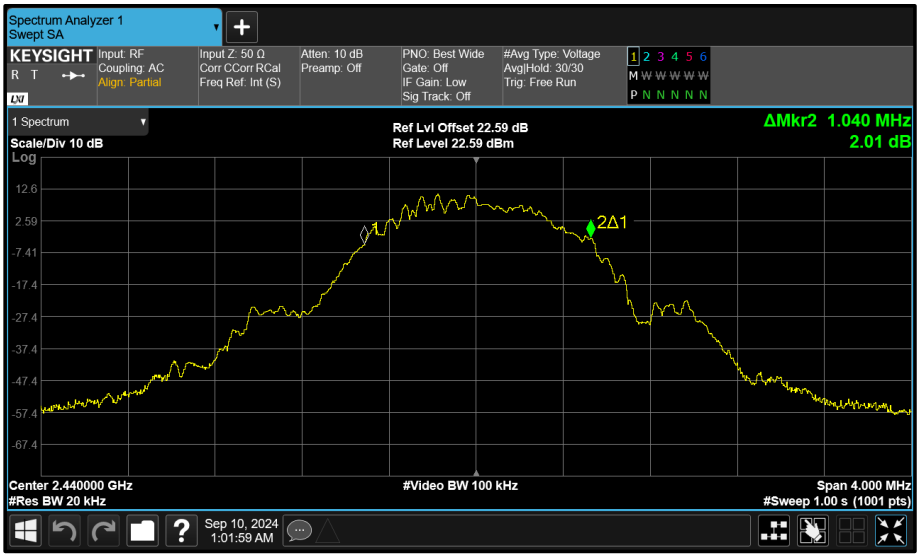


**Figure 133 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth**

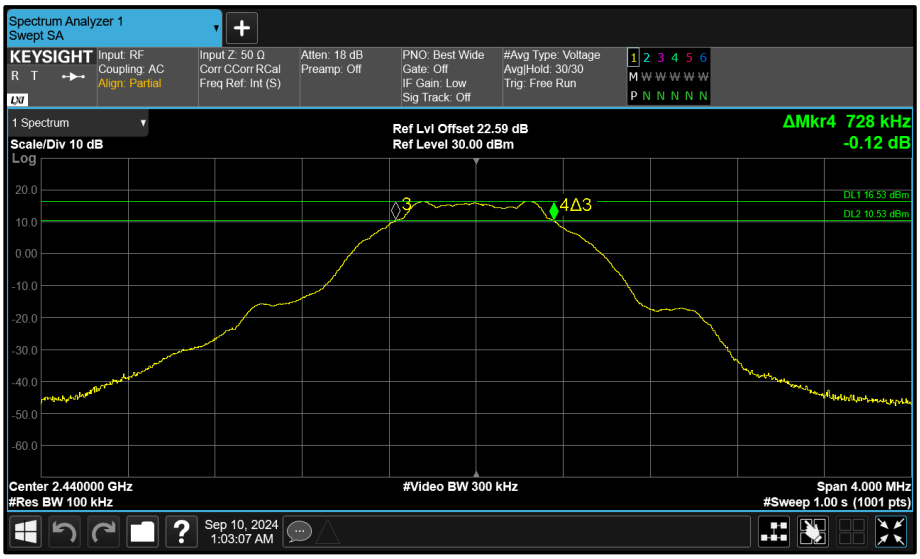


**Figure 134 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth**

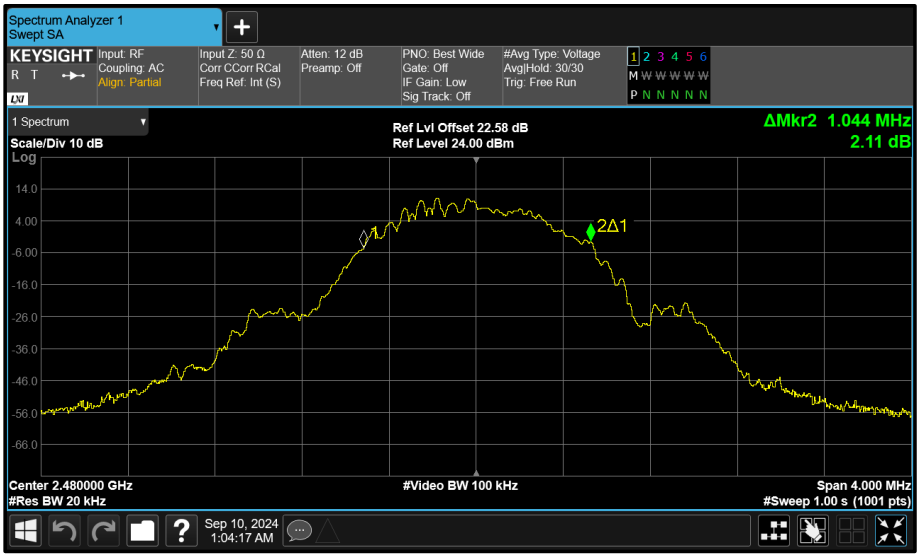


**Figure 135 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth**

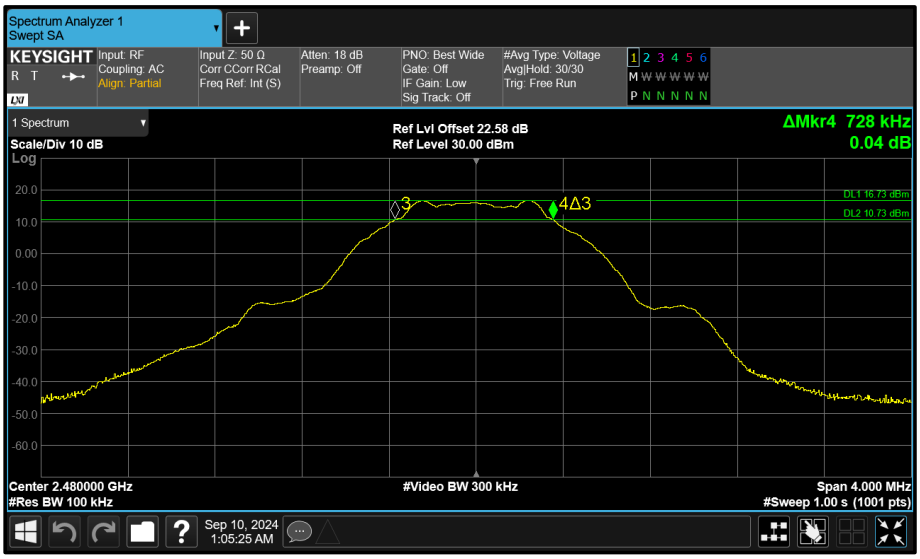


**Figure 136 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth**

| Test Configuration | | | |
|---|---|---|---|
| Frequency Range: | 2400-2483.5 MHz | Band: | 2.4 GHz |
| Limit Clause(s): | 15.247 (a)(2)<br>RSS-247 5.2 a) | Test Method(s): | C63.10 6.9.3<br>C63.10 11.8.1 |
| Additional Reference(s): | - | | |

| DUT Configuration | | | |
|---|---|---|---|
| Mode: | ePA GFSK (LE 2M) | Duty Cycle (%): | - |
| Antenna Configuration: | SISO | DCCF (dB): | - |
| Active Port(s): | A (Core 0) | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2402 | 1.280 | - | - | - | ≥500.0 |
| 2440 | 1.280 | - | - | - | ≥500.0 |
| 2480 | 1.272 | - | - | - | ≥500.0 |

**Table 38 - 6 dB Bandwidth Results**

| Test Frequency (MHz) | 99% Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2402 | 2.096 | - | - | - | - |
| 2440 | 2.096 | - | - | - | - |
| 2480 | 2.096 | - | - | - | - |

**Table 39 - 99% Bandwidth Results**

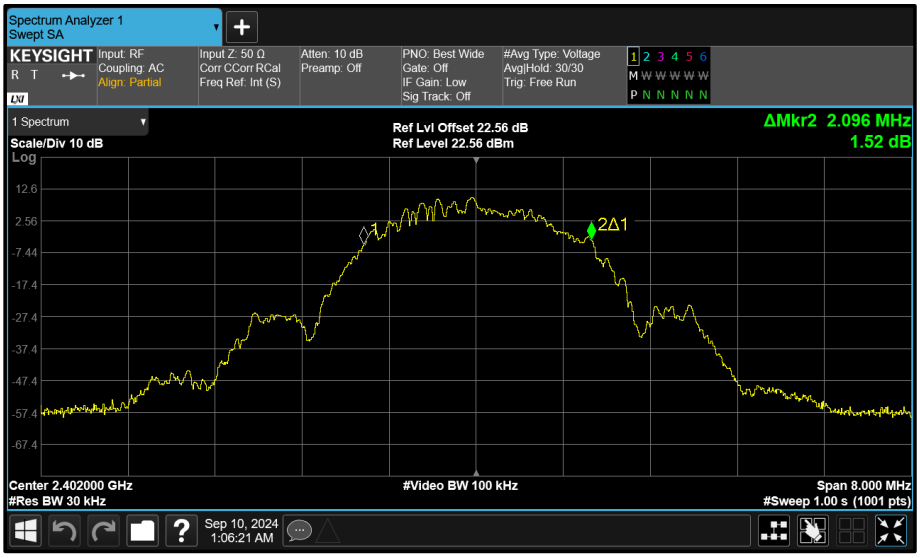


**Figure 137 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth**

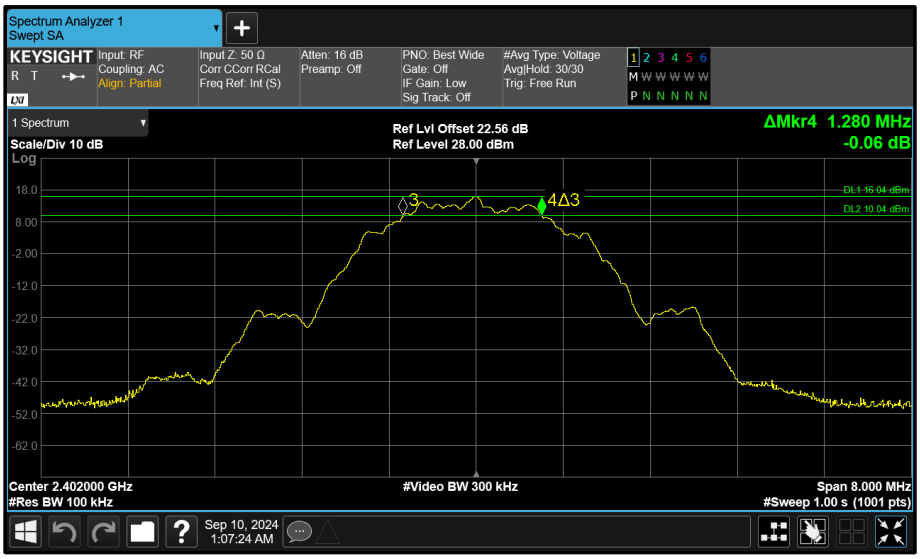


**Figure 138 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth**

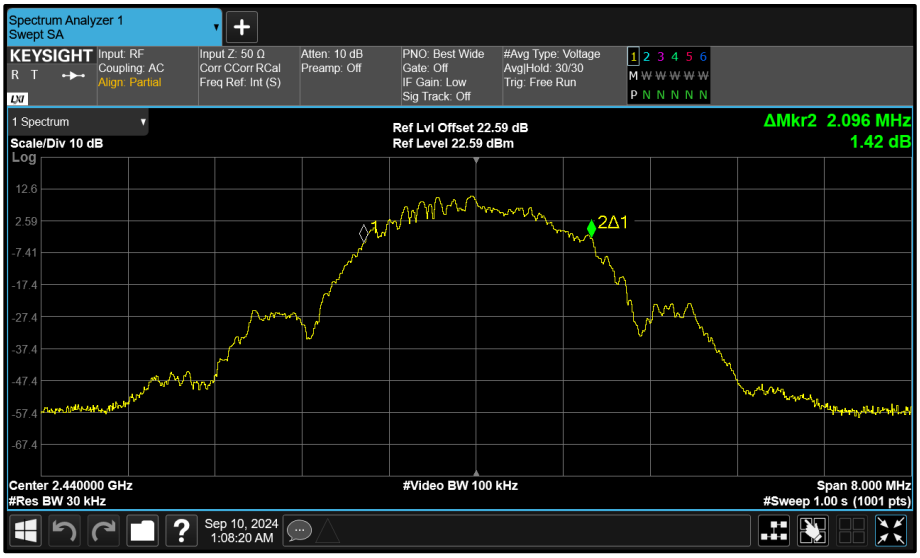


**Figure 139 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth**

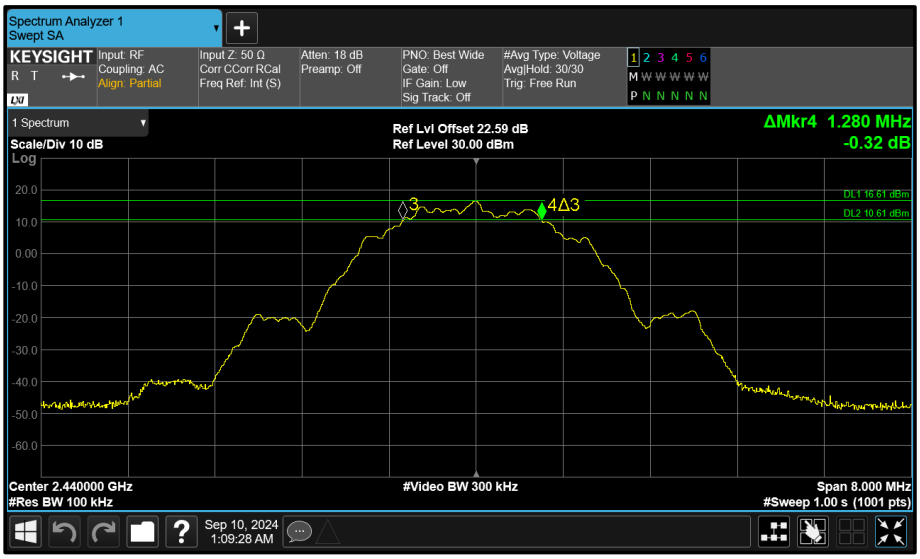


**Figure 140 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth**

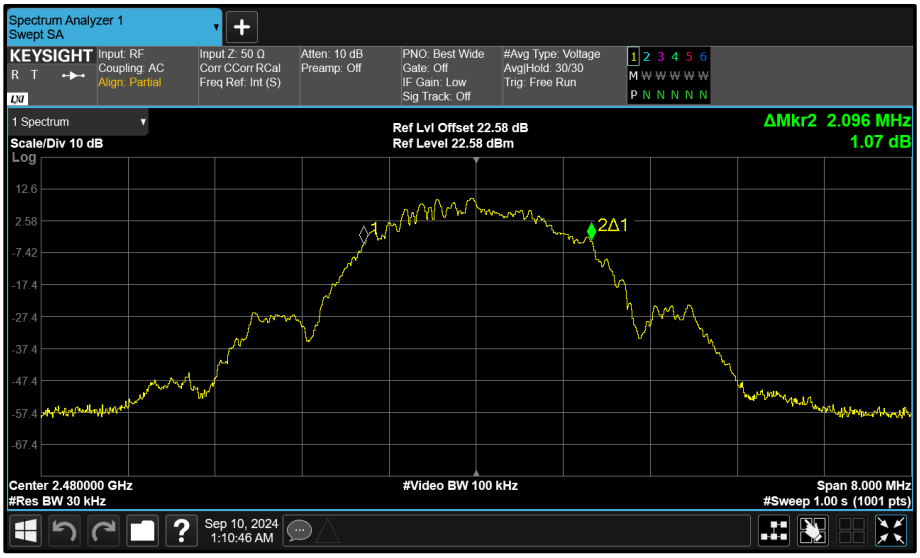


**Figure 141 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth**

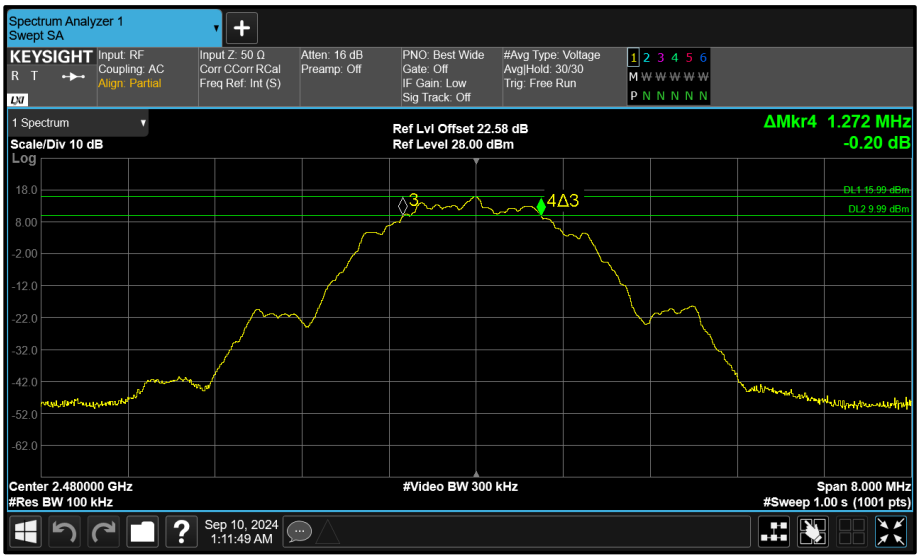


**Figure 142 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth**

| Test Configuration | | | |
|---|---|---|---|
| Frequency Range: | 2400-2483.5 MHz | Band: | 2.4 GHz |
| Limit Clause(s): | 15.247 (a)(2)<br>RSS-247 5.2 a) | Test Method(s): | C63.10 6.9.3<br>C63.10 11.8.1 |
| Additional Reference(s): | - | | |

| DUT Configuration | | | |
|---|---|---|---|
| Mode: | iPA π/4 DQPSK (4-DH5) | Duty Cycle (%): | - |
| Antenna Configuration: | Beamforming | DCCF (dB): | - |
| Active Port(s): | A+B (Core 0 + Core 1) | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | 1.912 | 1.896 | - | - | ≥500.0 |
| 2441 | 1.912 | 1.904 | - | - | ≥500.0 |
| 2476 | 1.920 | 1.904 | - | - | ≥500.0 |

**Table 40 - 6 dB Bandwidth Results**

| Test Frequency (MHz) | 99% Bandwidth (MHz) | | | | Limit (kHz) |
|---|---|---|---|---|---|
| | A | B | C | D | |
| 2404 | 2.352 | 2.328 | - | - | - |
| 2441 | 2.344 | 2.328 | - | - | - |
| 2476 | 2.344 | 2.328 | - | - | - |

**Table 41 - 99% Bandwidth Results**

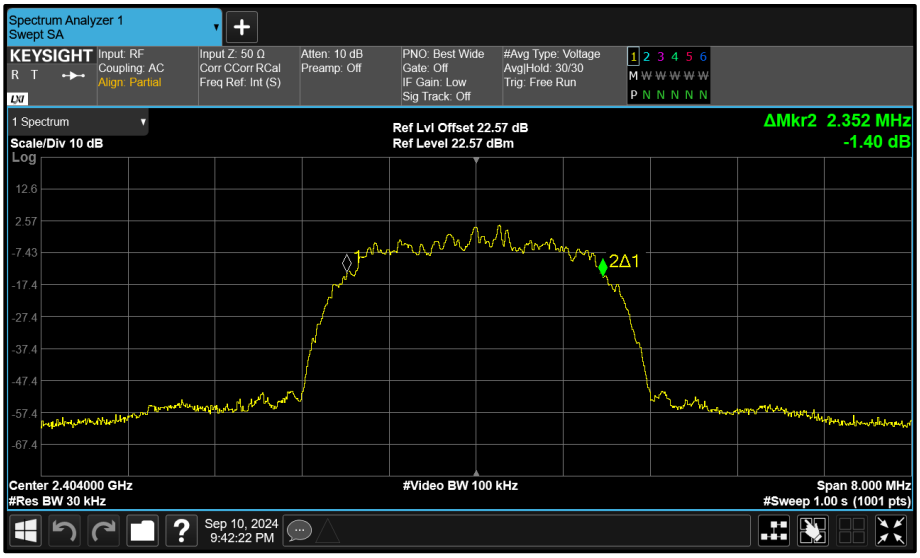


**Figure 143 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth**

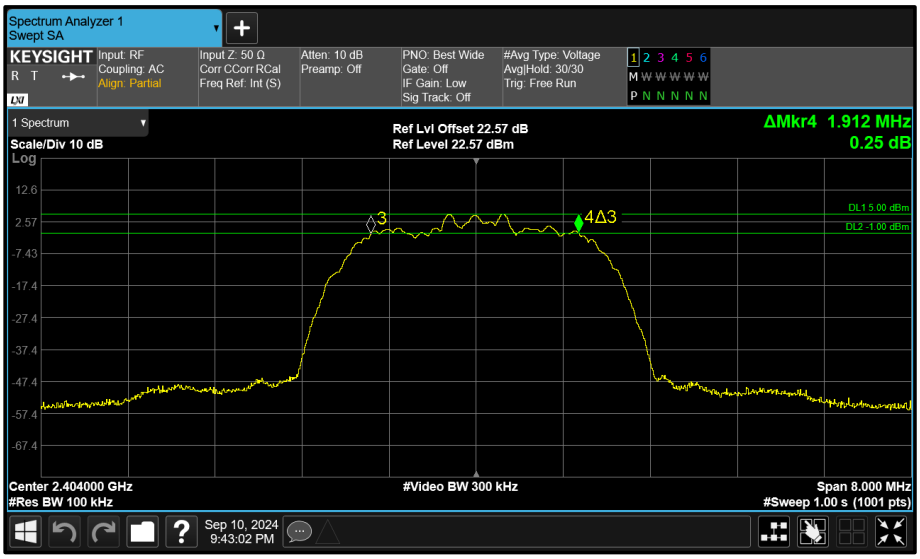


**Figure 144 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth**

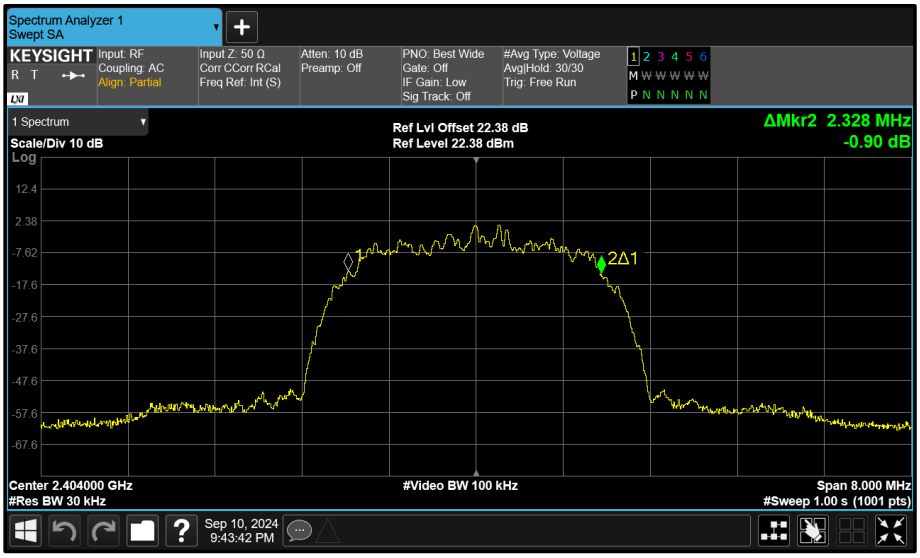


**Figure 145 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth**

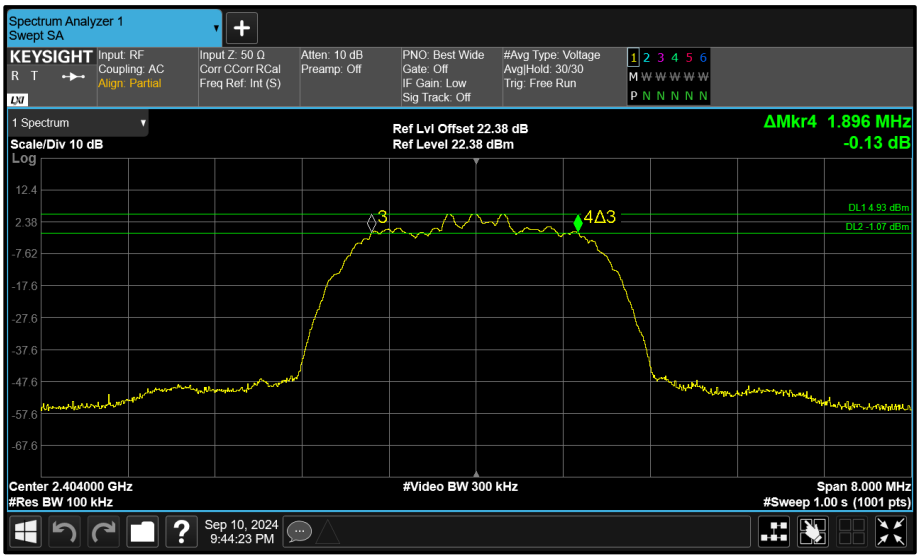


**Figure 146 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth**