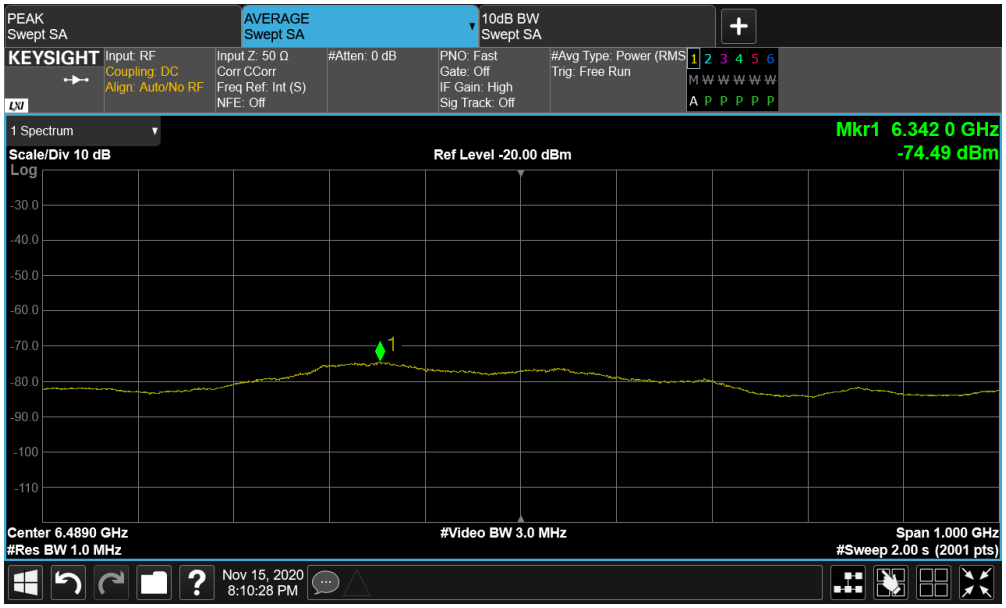
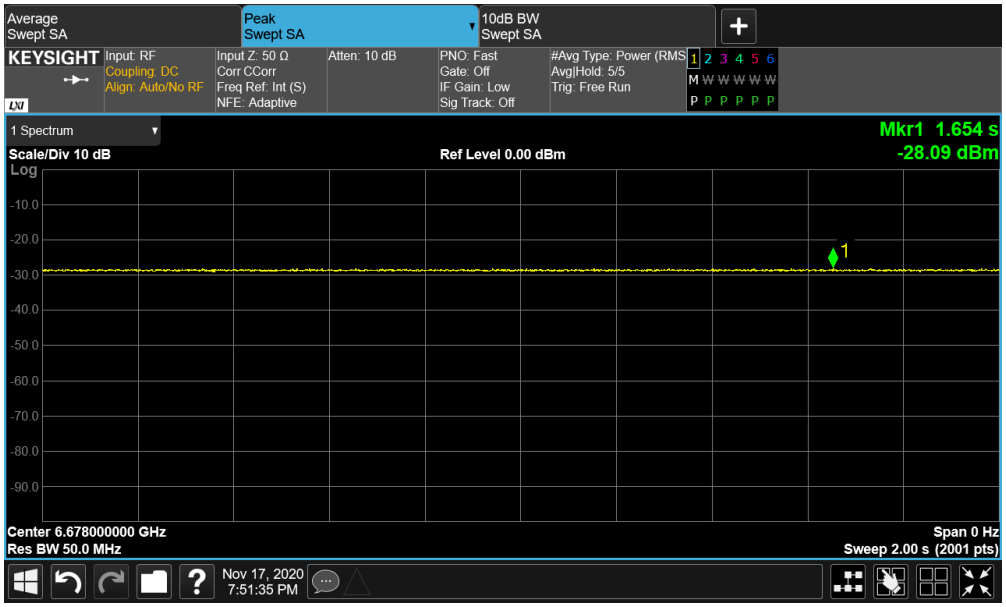
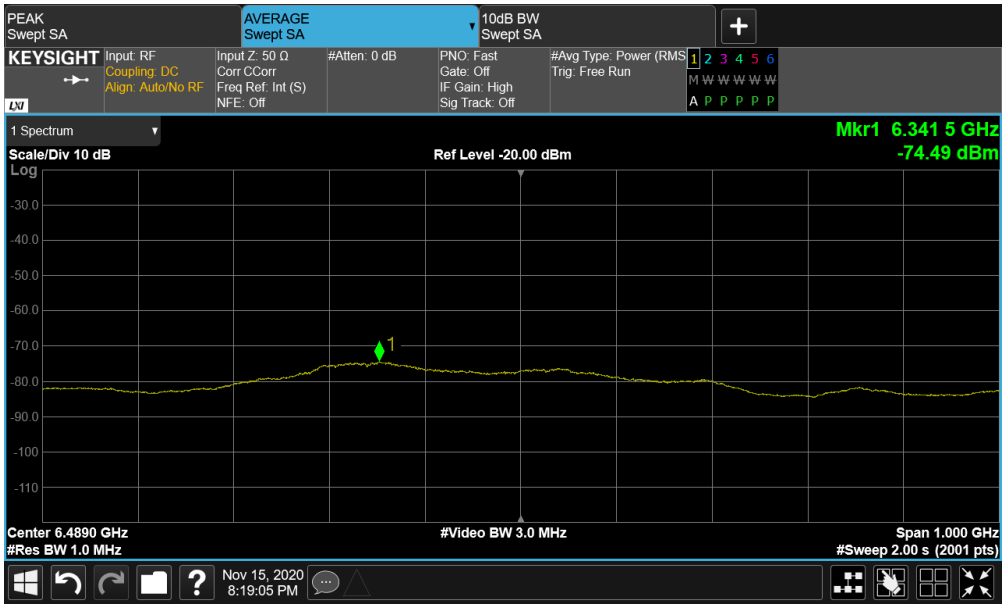


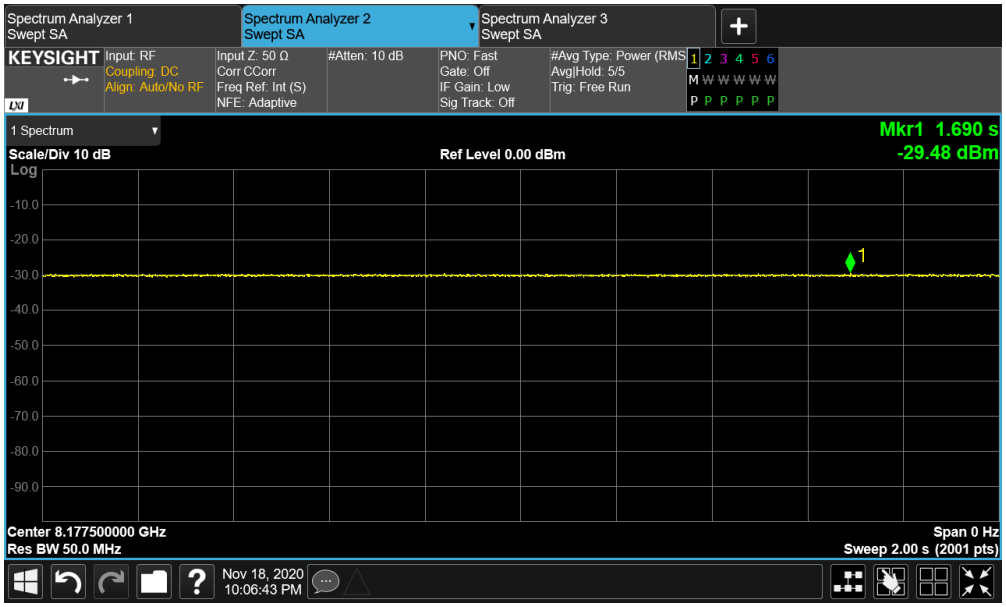

**Plot 7-147. UWB Average Power Measurement - ANT 1 - CH.5 – SP3 – BPRF**



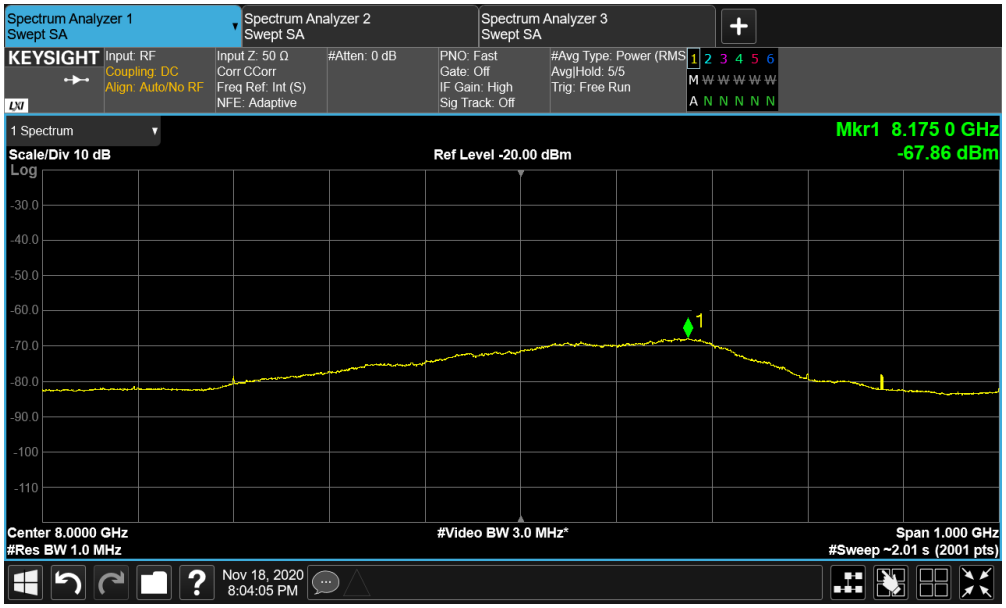

**Plot 7-148. UWB Peak Power Measurement - ANT 2 - CH.5 – SP1 – BPRF**



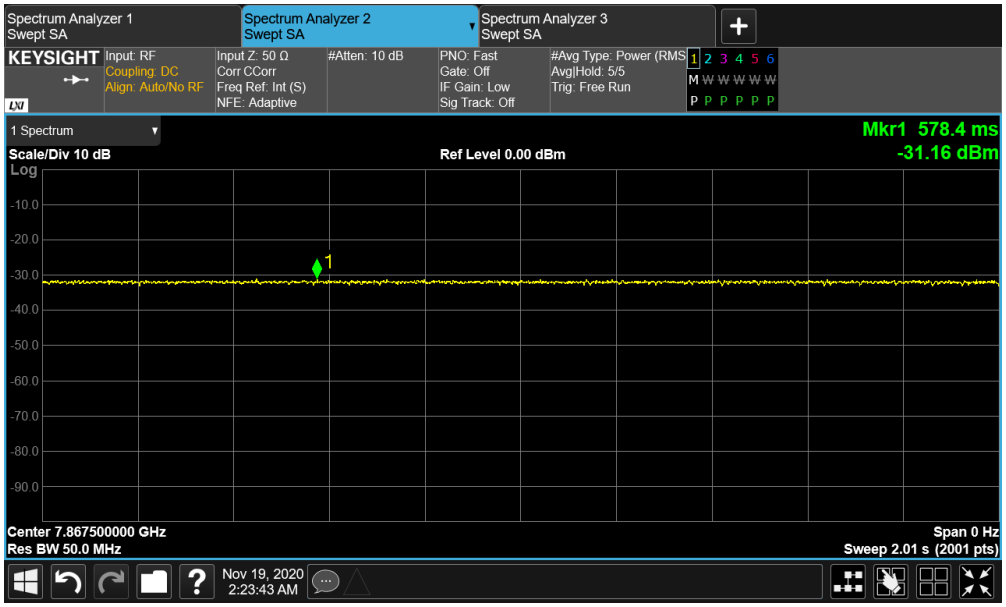

**Plot 7-149. UWB Average Power Measurement - ANT 2 - CH.5 – SP3 - BPRF**



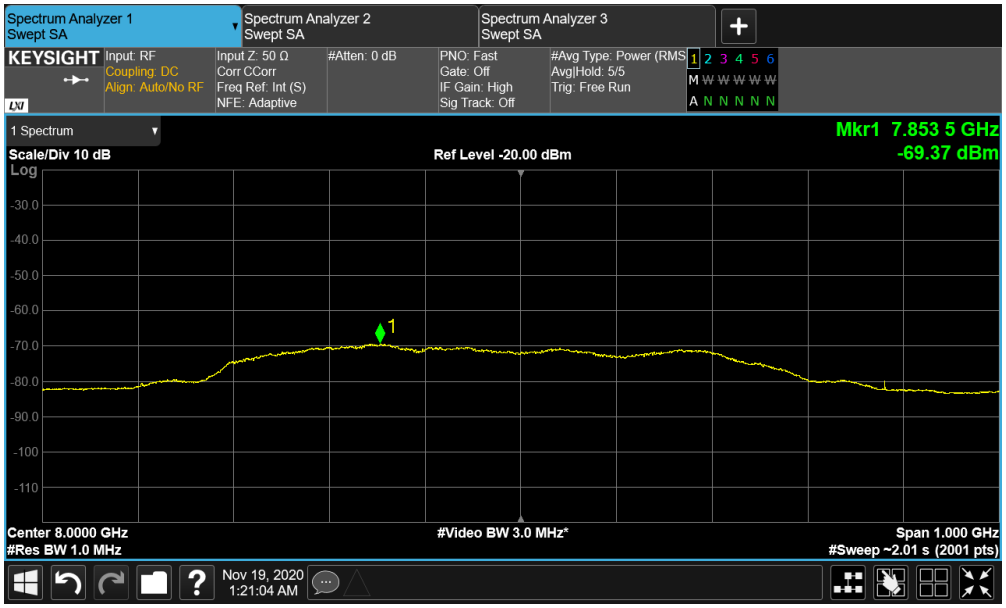

**Plot 7-150. UWB Peak Power Measurement - ANT 1 - CH.9 – SP0 – BPRF**




**Plot 7-151. UWB Average Power Measurement - ANT 1 - CH.9 – SP3 - BPRF**




**Plot 7-152. UWB Peak Power Measurement - ANT 2 - CH.9 – SP1 – BPRF**




**Plot 7-153. UWB Average Power Measurement - ANT 2 - CH.9 – SP3 - BPRF**

**RESULTS – HPRF**

| ANT | CH | MODE | Preamble | Meas. Ant. | FM [GHz] | Peak Power (dBm/50MHz) | Peak Limit (dBm/50MHz) | Margin [dB] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5 | SP1 | 26 | H | 6.365 | -12.86 | 0 | -12.86 |
| 2 | 5 | SP1 | 27 | H | 6.647 | -7.29 | 0 | -7.29 |
| 1 | 9 | SP1 | 28 | V | 8.175 | -10.70 | 0 | -10.70 |
| 2 | 9 | SP0 | 28 | H | 7.863 | -8.50 | 0 | -8.50 |

**Table 7-6. HPRF Highest Peak Power Results**

| ANT | CH | MODE | Preamble | Meas. Ant. | FM [GHz] | Average Power (dBm) | Average Limit (dBm) | Margin [dB] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5 | SP3 | 25 | H | 6.310 | -47.05 | -41.3 | -5.75 |
| 2 | 5 | SP3 | 30 | H | 6.664 | -44.54 | -41.3 | -3.24 |
| 1 | 9 | SP1 | 31 | V | 8.167 | -43.70 | -41.3 | -2.40 |
| 2 | 9 | SP1 | 31 | H | 7.838 | -45.94 | -41.3 | -4.64 |

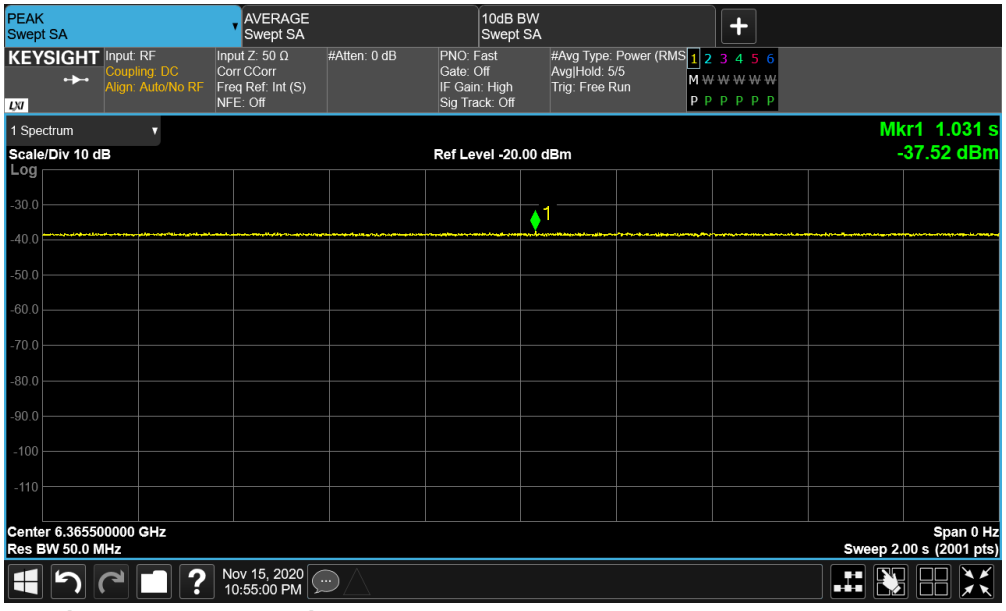
**Table 7-7. HPRF Highest Average Power Results**

## Sample Calculation

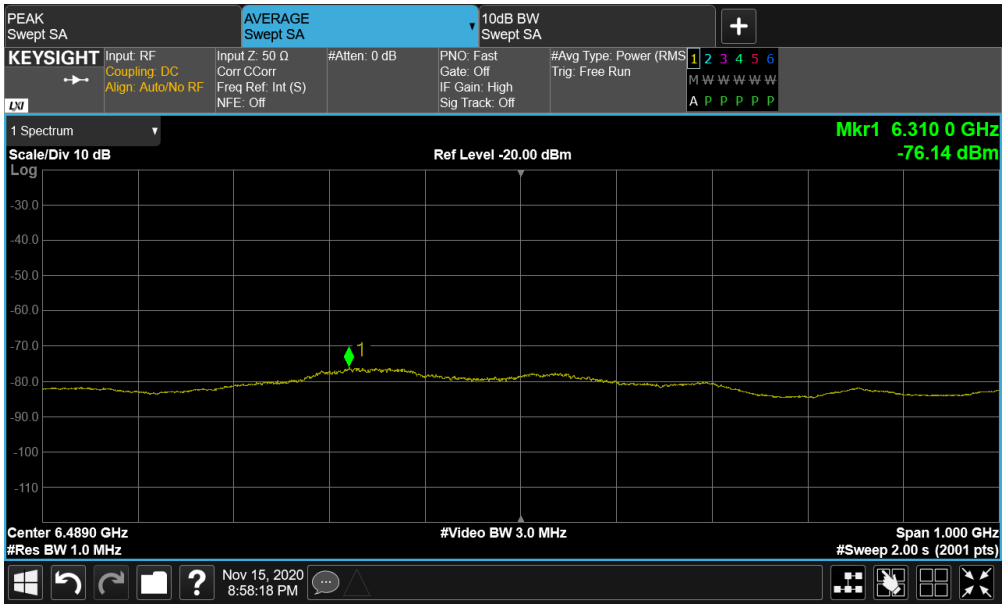
The raw radiated spurious level is converted to field strength in dBuV/m. Then, the EIRP level is calculated by applying the additional factors shown below for a test distance of 3 meter

.

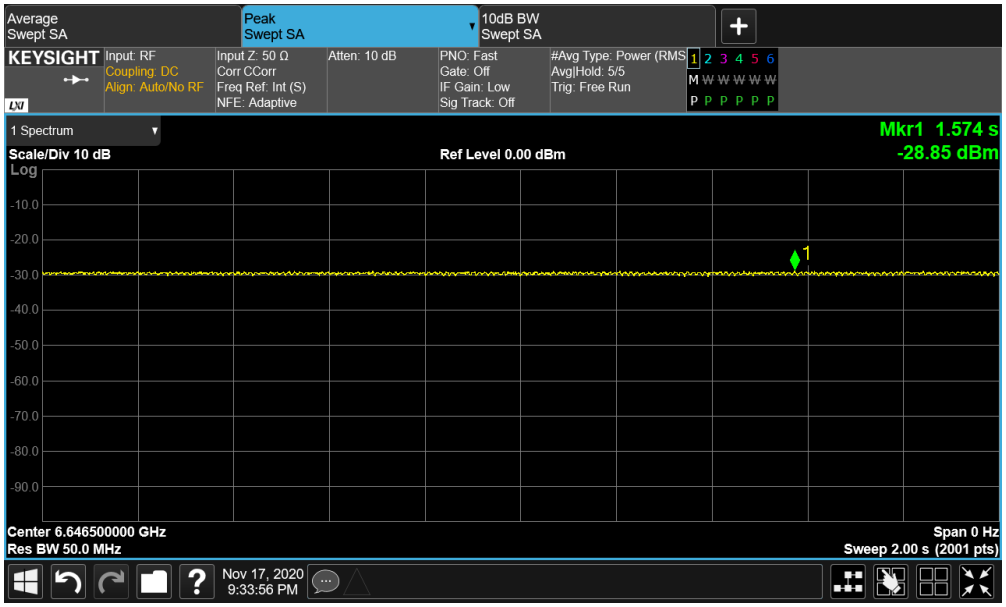
**RSE EIRP (dBm)** = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8



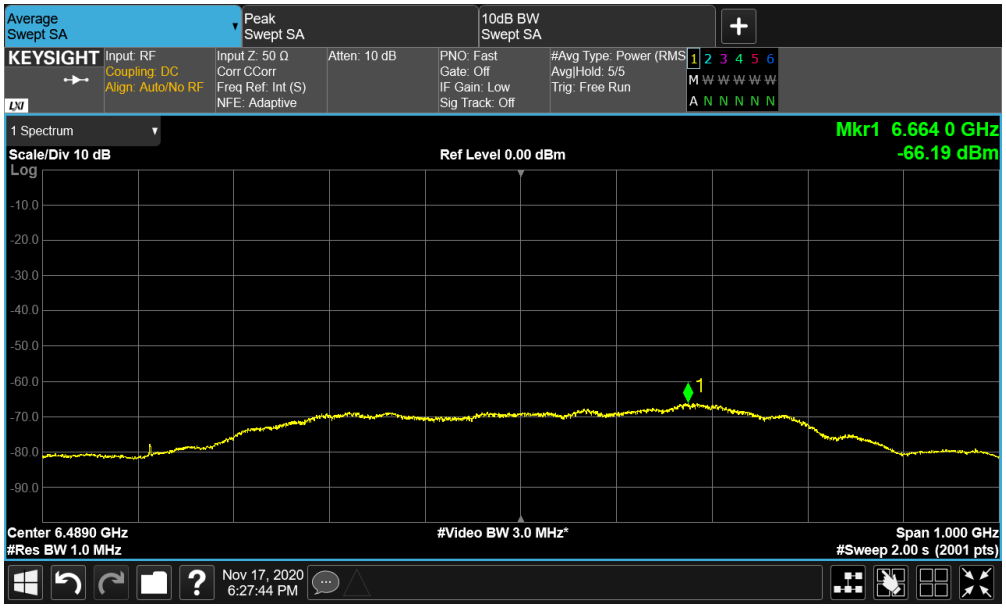

**Plot 7-154. UWB Peak Power Measurement - ANT 1 - CH.5 – SP1 – HPRF**



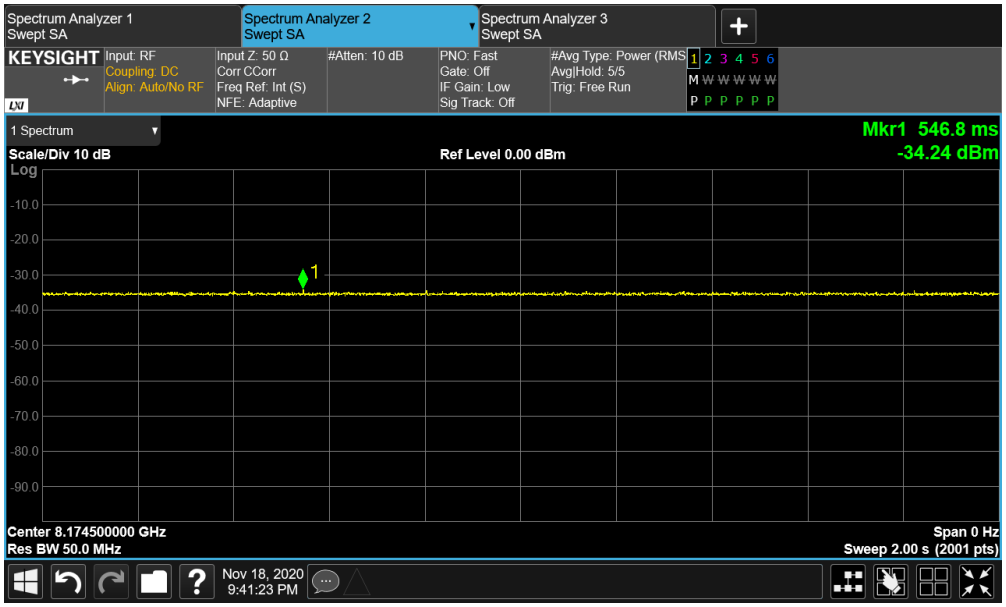

**Plot 7-155. UWB Average Power Measurement - ANT 1 - CH.5 – SP3 – HPRF**



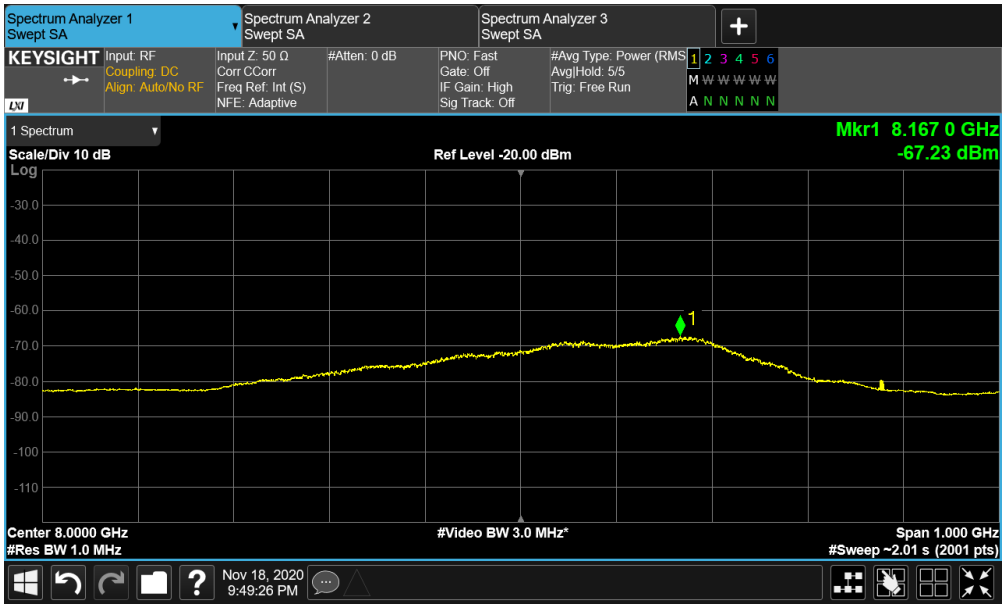

**Plot 7-156. UWB Peak Power Measurement - ANT 2 - CH.5 – SP1 – HPRF**



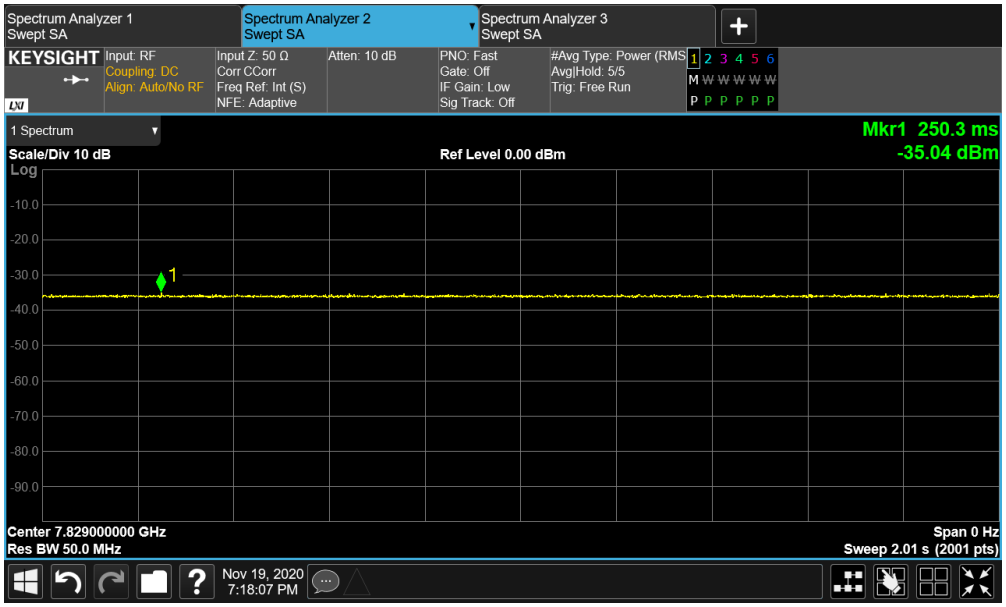

**Plot 7-157. UWB Average Power Measurement - ANT 2 - CH.5 – SP3 - HPRF**



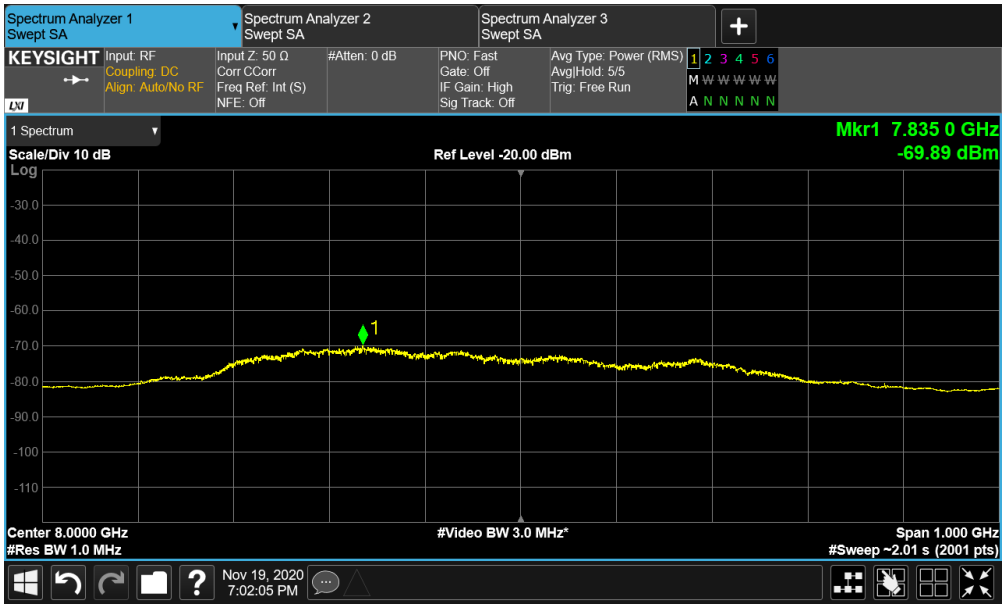

**Plot 7-158. UWB Peak Power Measurement - ANT 1 - CH.9 – SP1 – HPRF**




**Plot 7-159. UWB Average Power Measurement - ANT 1 - CH.9 – SP1 - HPRF**




**Plot 7-160. UWB Peak Power Measurement - ANT 2 - CH.9 - SP0 – HPRF**




**Plot 7-161. UWB Average Power Measurement - ANT 2 - CH.9 – SP1 - HPRF**

## 7.5 Radiated Measurement Data above 960MHz

**§15.519 (c), §15.519(d), §15.209(a)**

### Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at maximum power and at the appropriate frequencies. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

§15.519(c)

| Frequency in MHz | EIRP in dBm |
|---|---|
| 960-1610 | -75.3 |
| 1610-1990 | -63.3 |
| 1990-3100 | -61.3 |
| 3100-10600 | -41.3 |
| Above 10600 | -61.3 |

**Table 7-8. Above 960MHz Average Limits**

§15.519(d)

| Frequency in MHz | EIRP in dBm |
|---|---|
| 1164-1240 | -85.3 |
| 1559-1610 | -85.3 |

**Table 7-9. Above 960MHz Average Limits**

### Test Procedures Used

ANSI C63.10-2013

### Test Settings

#### Average EIRP Measurements

1. Analyzer frequency set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz (3kHz for emissions in the GPS bands)
3. VBW = 3MHz (30kHz for the emissions in the GPS bands)
4. Detector = RMS
5. Sweep time = auto couple
6. Trace mode = trace averaging
7. Trace was allowed to stabilize

### Test Setup

The EUT and measurement equipment were set up as shown test setup photos provided.

**Test Notes**

1. All modes of operation and settings (Preamble, Packet Type, etc) were investigated and the worst-case emissions are reported.
2. The RBW for measurements in the GPS Bands were reduced to 3kHz in order to show compliance.
3. Pre-scan plots that are included are not corrected for antenna factors, cable losses, or pre-amplifier gains. The plots are only for the purpose of spurious emission identification.
4. All readings are calibrated by a signal generator with accuracy traceable to the National Institute of Standards and Technology (NIST).
5. AFCL (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

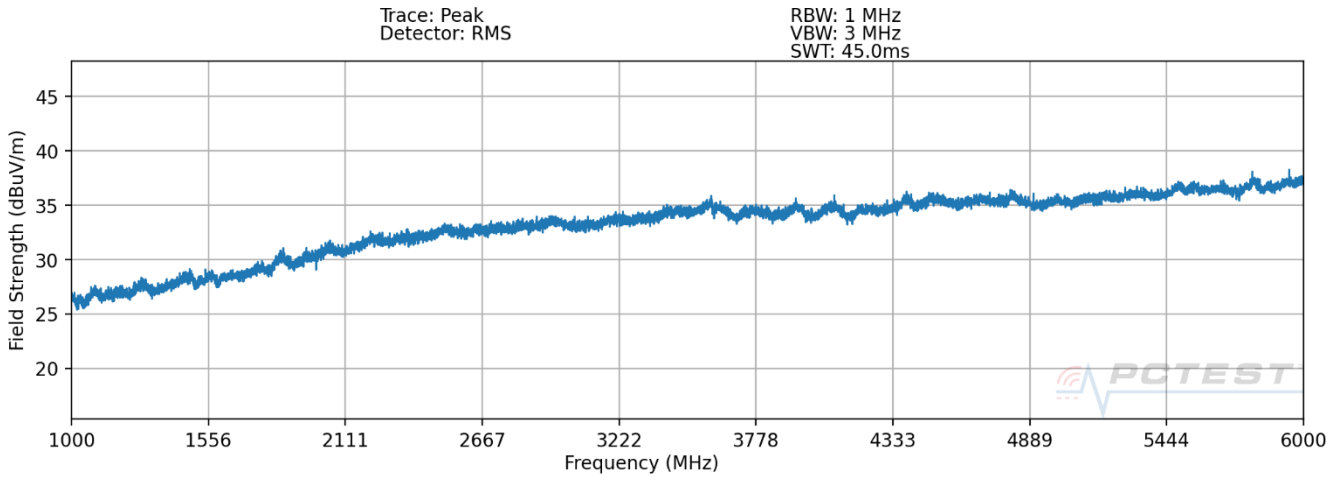
## Sample Calculation

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the EIRP RSE level is calculated by applying the additional factors shown below for a test distance of 3 meter

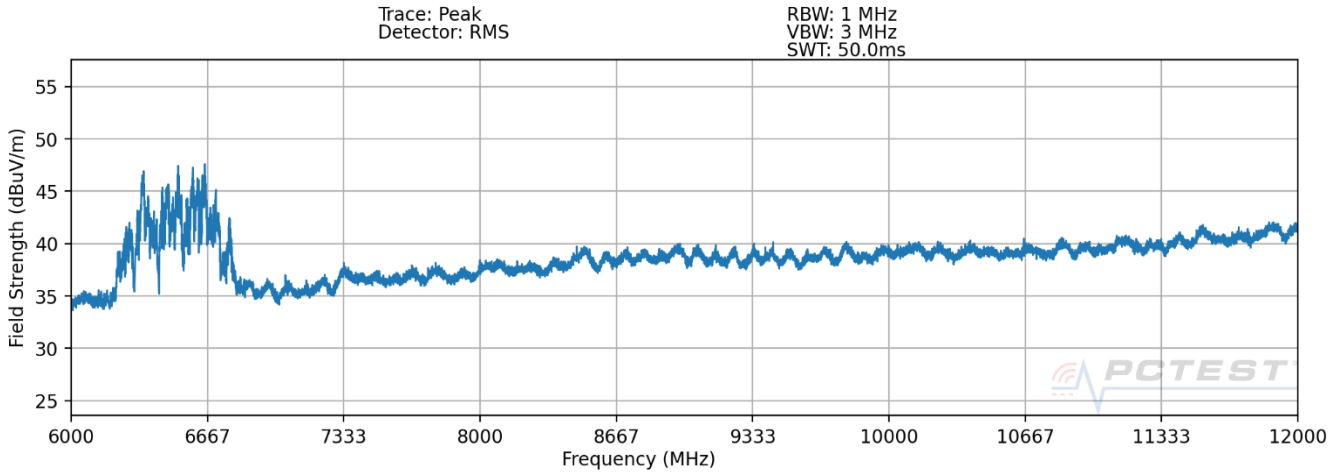
.

**RSE EIRP (dBm)** = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8

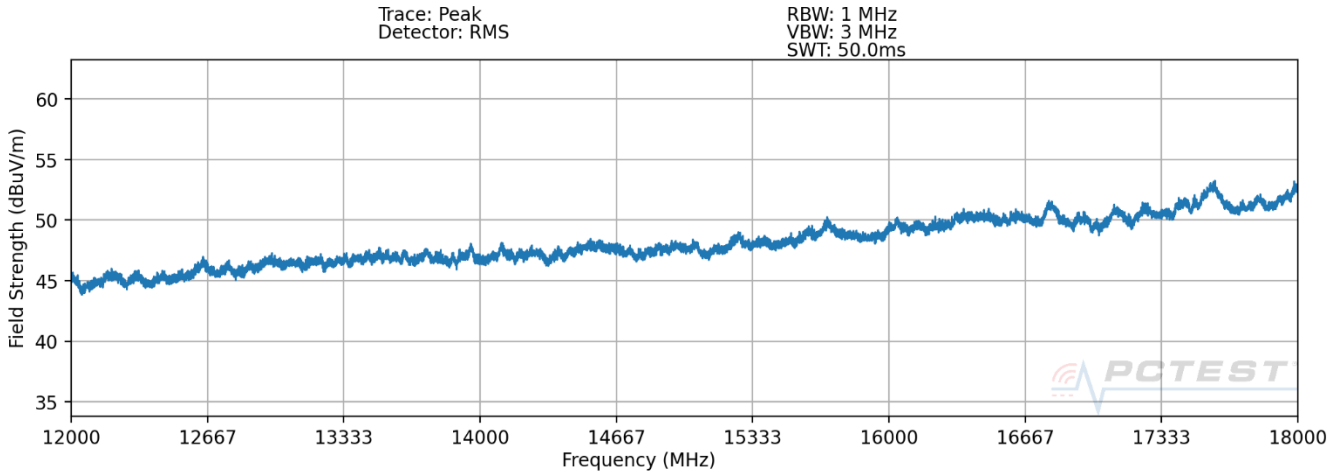
## Channel 5 ANTENNA 1:



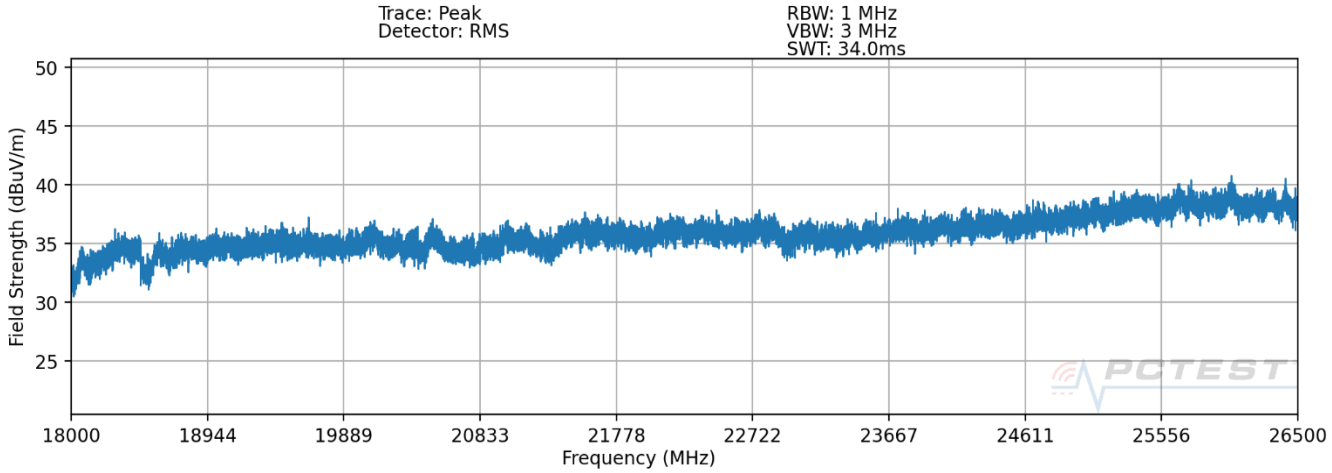

**Plot 7-162. Radiated Spurious Pre-Scan 960 - 6000 MHz - CH.5 - ANT 1**



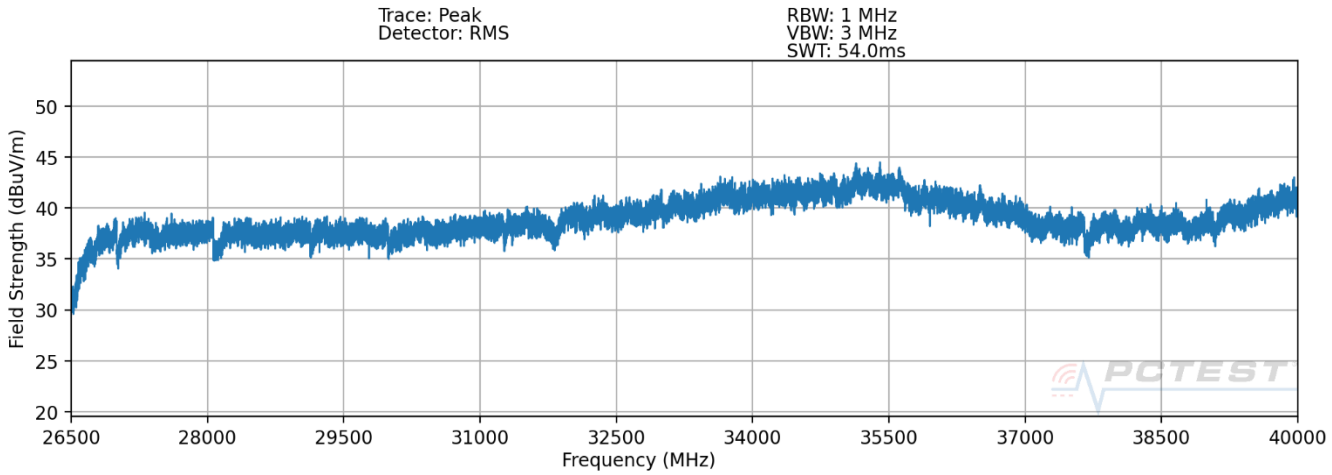

**Plot 7-163. Radiated Spurious Pre-Scan 6000 - 12000 MHz - CH.5 - ANT 1**




**Plot 7-164. Radiated Spurious Pre-Scan 12000 - 18000 MHz - CH.5 - ANT 1**




**Plot 7-165. Radiated Spurious Pre-Scan 18 – 26.5 GHz - CH.5 - ANT 1**

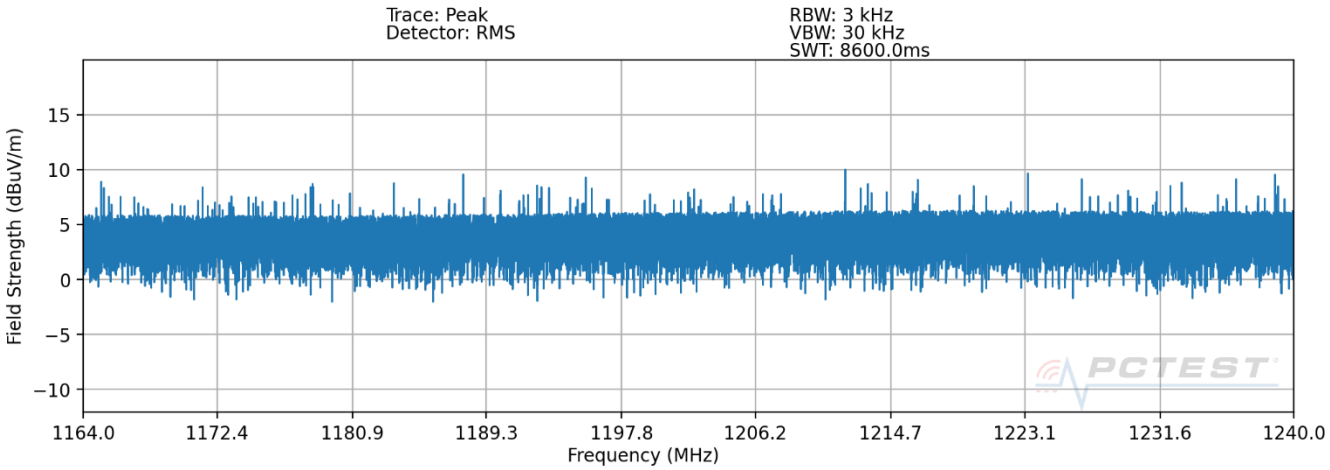



**Plot 7-166. Radiated Spurious Pre-Scan 26.5 – 40.0 GHz - CH.5 - ANT 1**

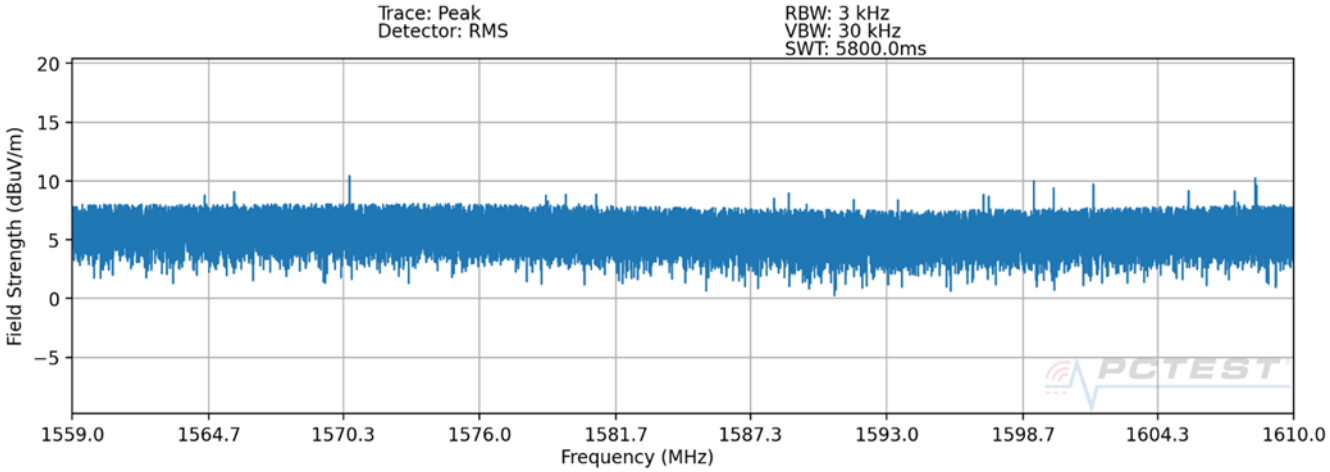
| | |
|---|---|
| **Channel:** | 5 |
| **Frequency (MHz):** | 6500 |
| **Preamble id:** | 29 |
| **Config** | SP3 |

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|---|---|---|---|---|---|---|---|---|---|
| 5460 | Avg | V | - | - | -80.21 | 14.28 | -54.09 | -41.30 | -12.79 |
| 10200 | Avg | V | - | - | -83.01 | 21.55 | -49.62 | -41.30 | -8.32 |
| 10600 | Avg | V | - | - | -83.69 | 21.51 | -50.34 | -41.30 | -9.04 |
| 8000 | Avg | V | - | - | -81.49 | 19.35 | -50.30 | -41.30 | -9.00 |

**Table 7-10. Radiated Spurious Emissions CH. 5 – ANT1**




**Plot 7-167. Radiated Spurious Pre-Scan 1164 - 1240 MHz - CH.5 - ANT 1**

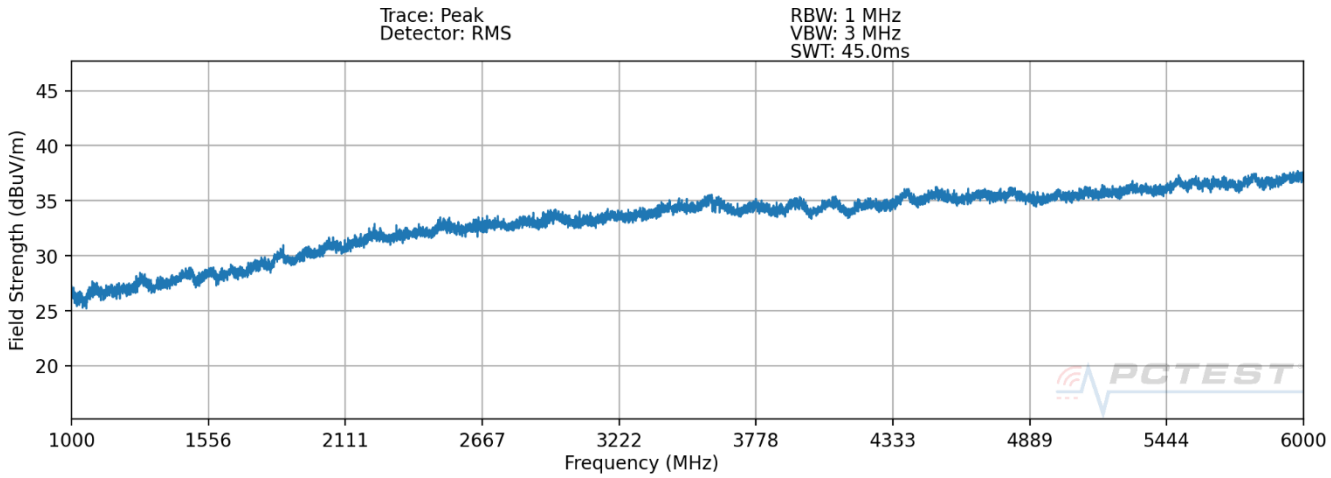



**Plot 7-168. Radiated Spurious Pre-Scan 1559 - 1610 MHz - CH.5 - ANT 1**

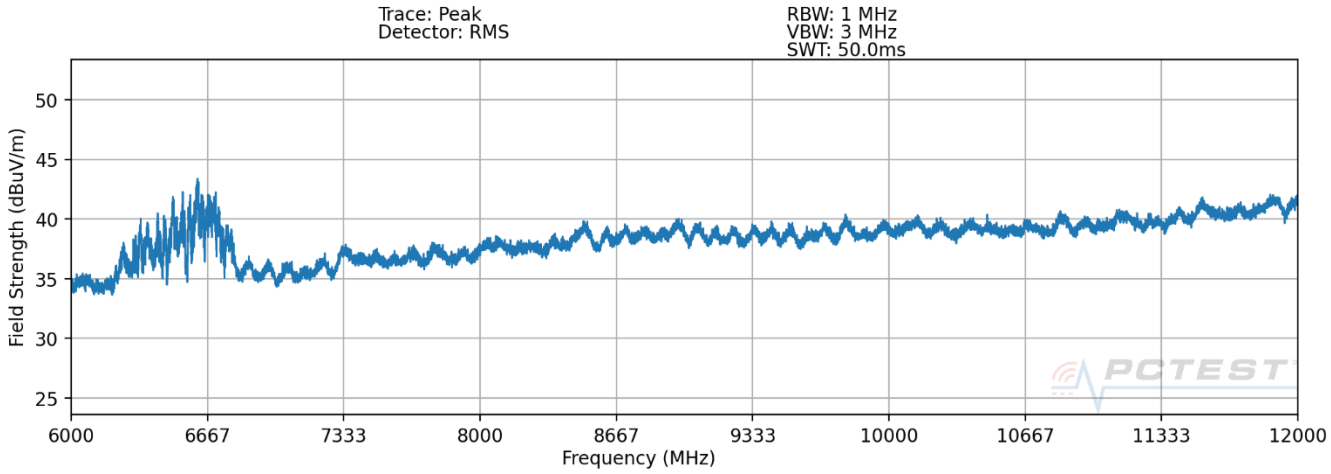
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|---|---|---|---|---|---|---|---|---|---|
| 1184 | Avg | V | - | - | -104.84 | 2.08 | -90.92 | -75.30 | -15.62 |
| 1192 | Avg | V | - | - | -103.18 | 2.12 | -89.22 | -75.30 | -13.92 |
| 1204 | Avg | V | - | - | -103.88 | 2.16 | -89.87 | -75.30 | -14.57 |
| 1560 | Avg | V | - | - | -105.69 | 3.54 | -90.31 | -75.30 | -15.01 |
| 1601 | Avg | V | - | - | -103.44 | 3.51 | -88.08 | -75.30 | -12.78 |
| 1604 | Avg | V | - | - | -104.64 | 3.48 | -89.31 | -75.30 | -14.01 |

**Table 7-11. Radiated Spurious Emissions CH. 5 – ANT1 – GPS BANDs**

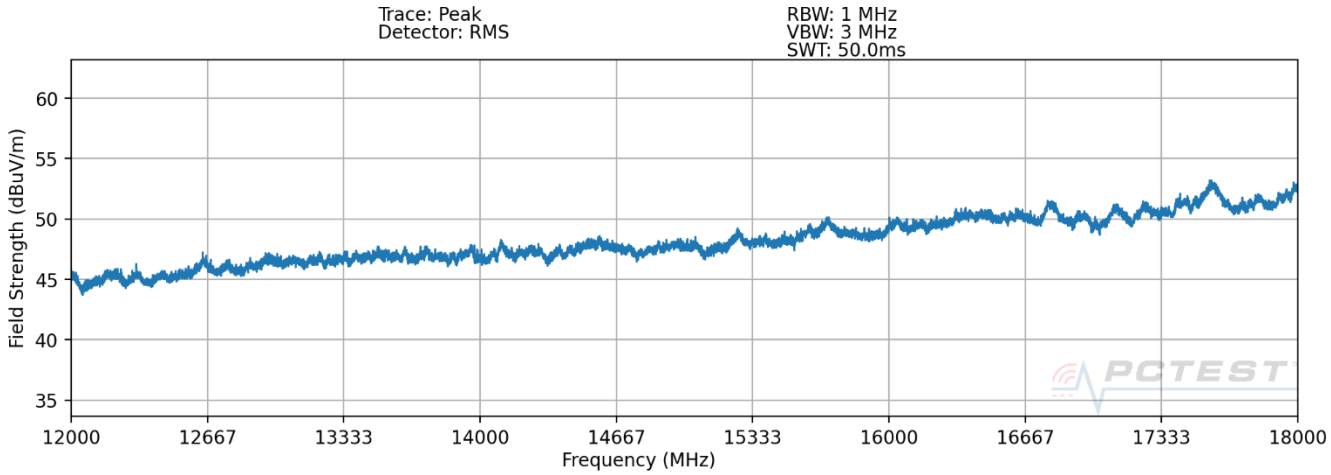
## Channel 5 ANTENNA 2:



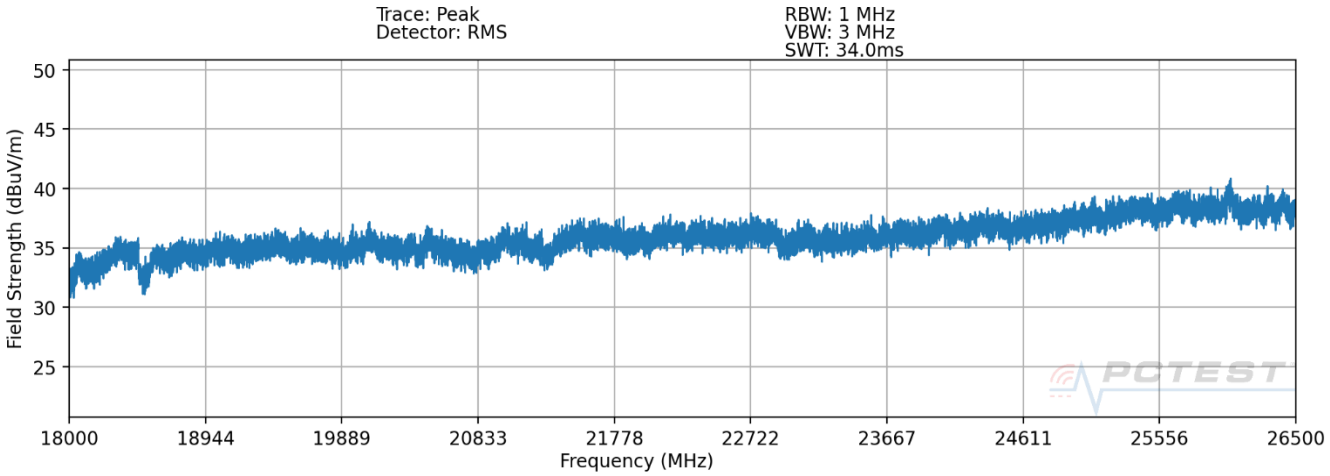

**Plot 7-169. Radiated Spurious Pre-Scan 960 - 6000 MHz - CH.5 - ANT 2**



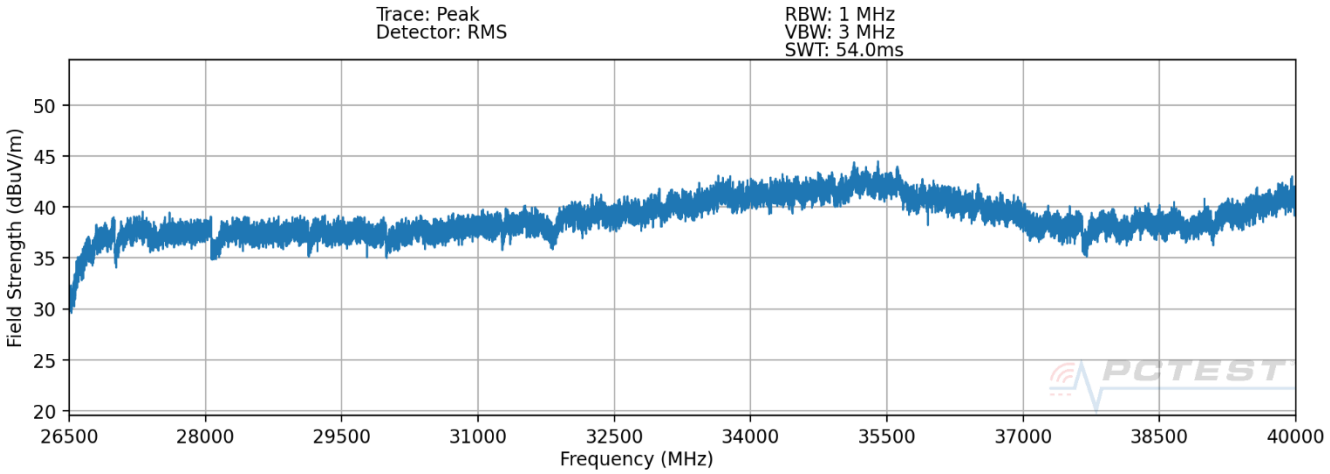

**Plot 7-170. Radiated Spurious Pre-Scan 6000 - 12000 MHz - CH.5 - ANT 2**




**Plot 7-171. Radiated Spurious Pre-Scan 12000 - 18000 MHz - CH.5 - ANT 2**




**Plot 7-172. Radiated Spurious Pre-Scan 18 – 26.5 GHz - CH.5 - ANT 2**

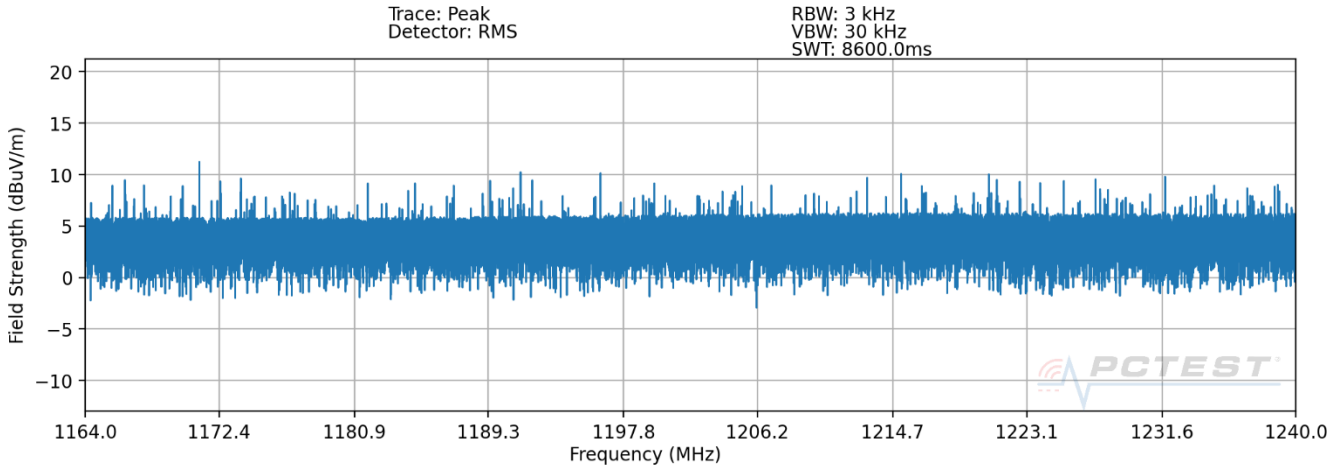



**Plot 7-173. Radiated Spurious Pre-Scan 26.5 – 40.0 GHz - CH.5 - ANT 2**

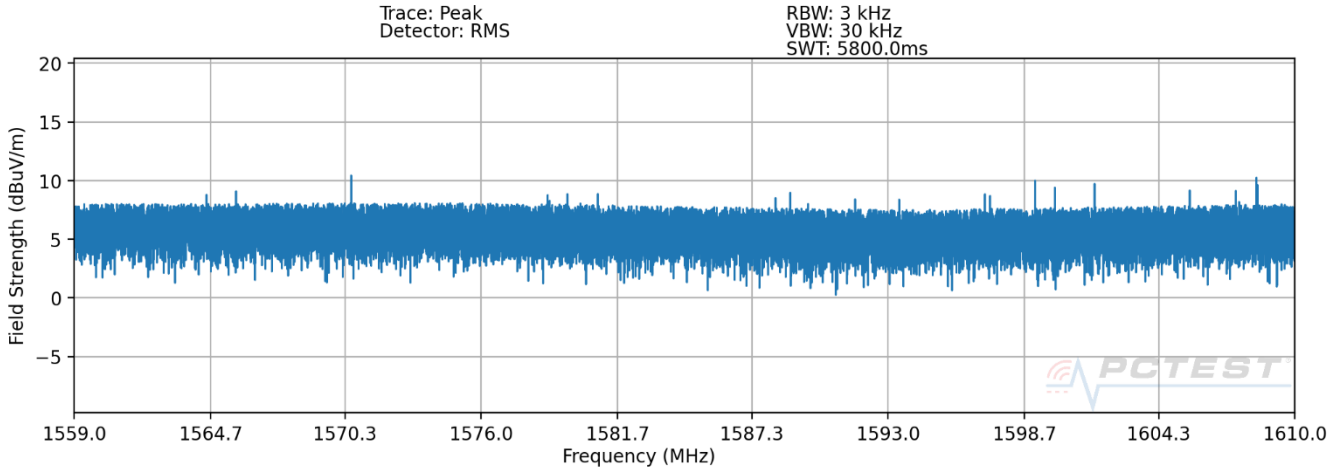
| | |
|---|---|
| **Channel:** | 5 |
| **Frequency (MHz):** | 6500 |
| **Preamble id:** | 10 |
| **Config** | SP3 |

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|---|---|---|---|---|---|---|---|---|---|
| 5460 | Avg | H | - | - | -79.83 | 14.28 | -53.71 | -41.30 | -12.41 |
| 10200 | Peak | H | - | - | -82.65 | 21.55 | -49.26 | -41.30 | -7.96 |
| 10600 | Avg | H | - | - | -82.35 | 21.51 | -49.00 | -41.30 | -7.70 |
| 8000 | Peak | H | - | - | -82.22 | 19.35 | -51.03 | -41.30 | -9.73 |

**Table 7-12. Radiated Spurious Emissions CH. 5 – ANT2**




**Plot 7-174. Radiated Spurious Pre-Scan 1164 - 1240 MHz - CH.5 - ANT 2**

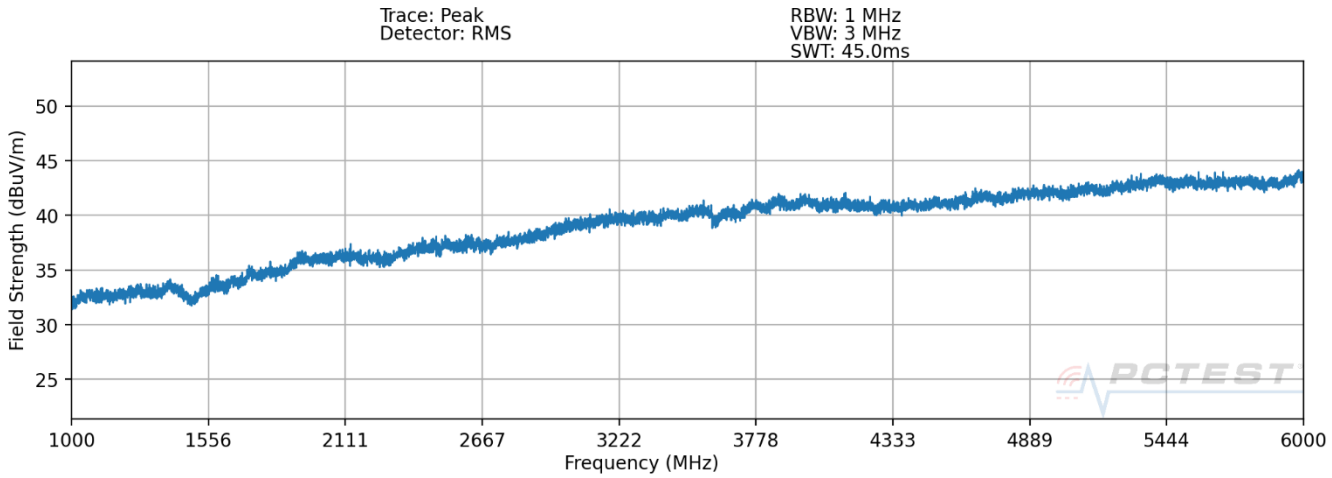



**Plot 7-175. Radiated Spurious Pre-Scan 1559 - 1610 MHz - CH.5 - ANT 2**

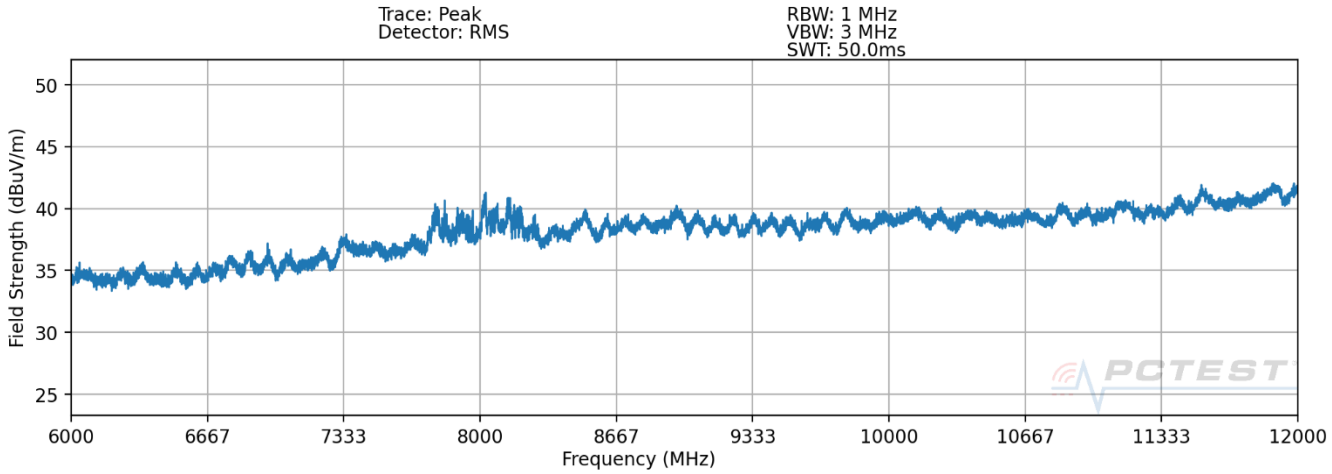
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|---|---|---|---|---|---|---|---|---|---|
| 1168 | Avg | H | - | - | -104.36 | 1.86 | -90.66 | -75.30 | -15.36 |
| 1185 | Peak | H | - | - | -104.63 | 2.08 | -90.71 | -75.30 | -15.41 |
| 1200 | Avg | H | - | - | -105.81 | 2.16 | -91.80 | -75.30 | -16.50 |
| 1565 | Peak | H | - | - | -104.20 | 3.60 | -88.76 | -75.30 | -13.46 |
| 1590 | Avg | H | - | - | -103.22 | 3.60 | -87.78 | -75.30 | -12.48 |
| 1600 | Peak | H | - | - | -106.18 | 3.52 | -90.81 | -75.30 | -15.51 |

**Table 7-13. Radiated Spurious Emissions CH. 5 – ANT2 – GPS BANDs**

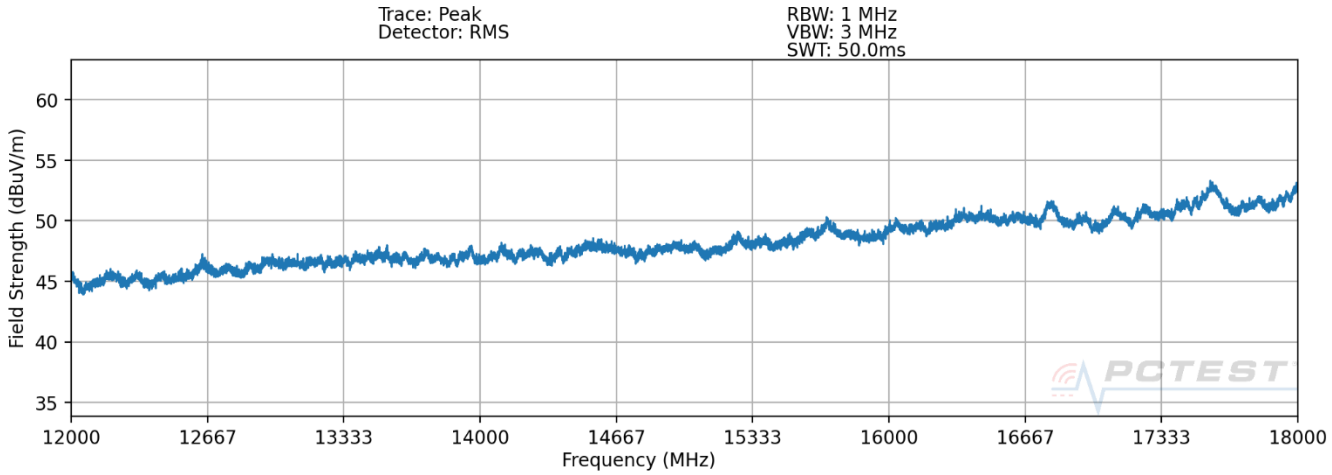
## Channel 9 ANTENNA 1:



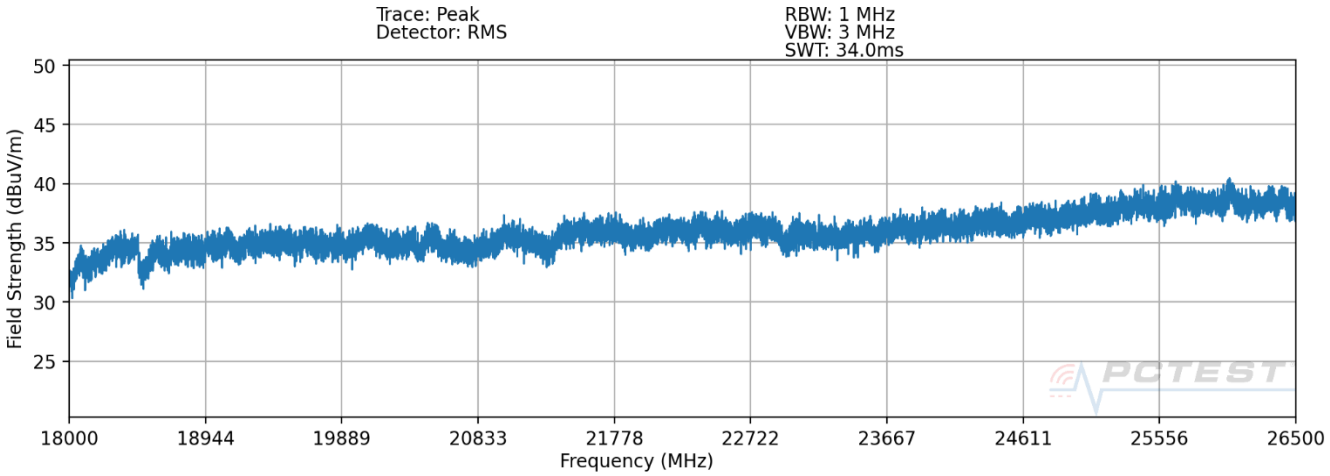

**Plot 7-176. Radiated Spurious Pre-Scan 960 - 6000 MHz - CH.9 - ANT 1**



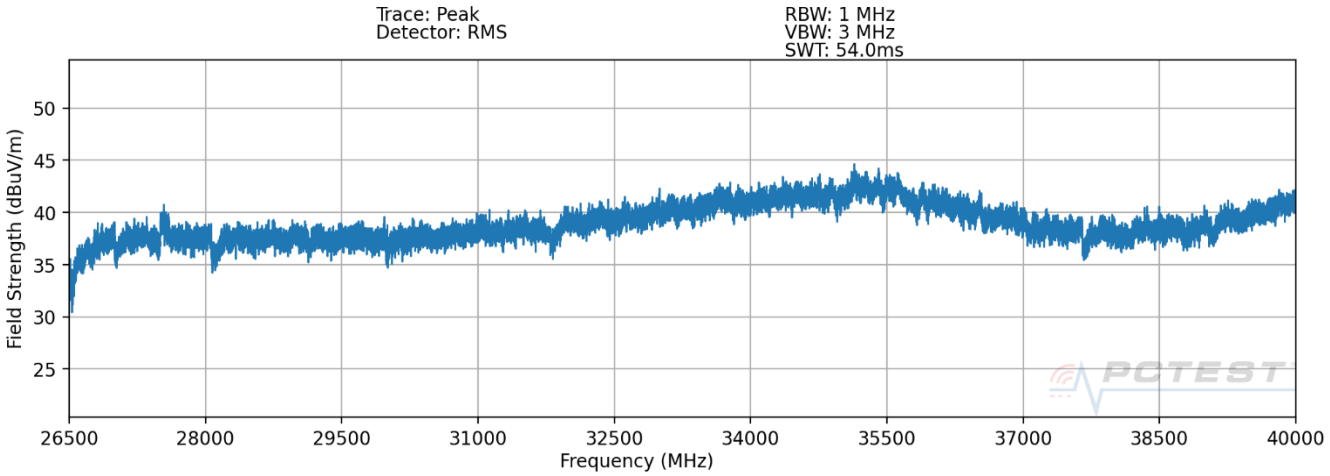

**Plot 7-177. Radiated Spurious Pre-Scan 6000 - 12000 MHz - CH.9 - ANT 1**




**Plot 7-178. Radiated Spurious Pre-Scan 12000 - 18000 MHz - CH.9 - ANT 1**




**Plot 7-179. Radiated Spurious Pre-Scan 18 – 26.5 GHz - CH.9 - ANT 1**

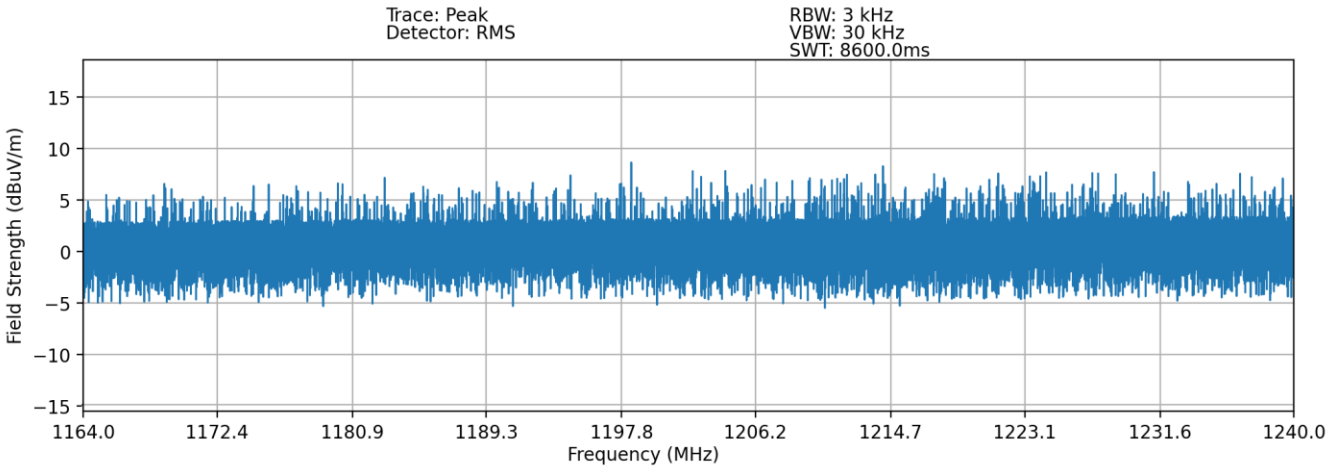



**Plot 7-180. Radiated Spurious Pre-Scan 26.5 – 40.0 GHz - CH.9 - ANT 1**

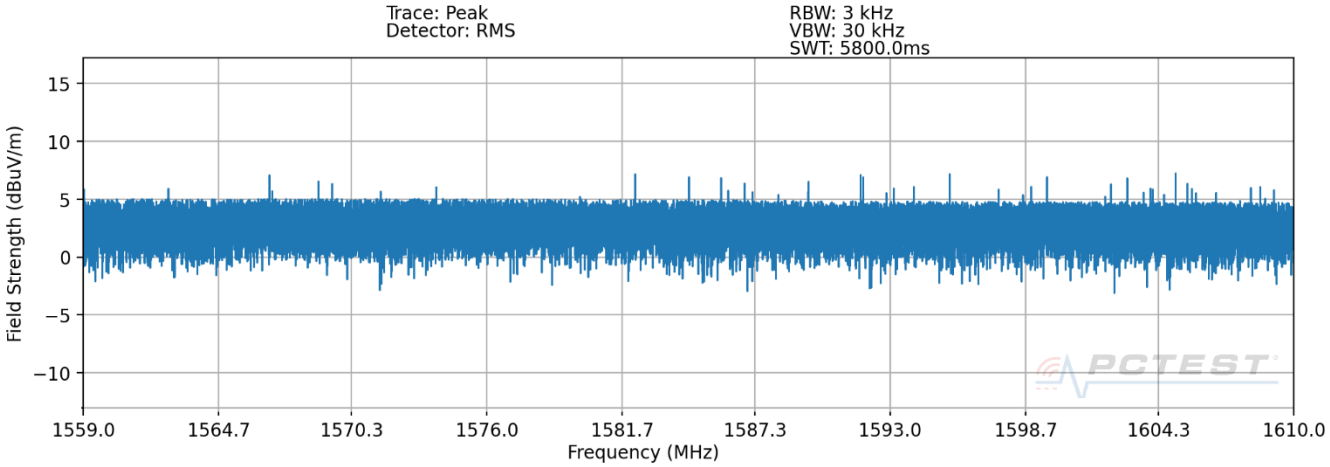
| | |
|---|---|
| **Channel:** | 9 |
| **Frequency (MHz):** | 8000 |
| **Preambel id:** | 10 |
| **Config** | SP3 |

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|---|---|---|---|---|---|---|---|---|---|
| 1173 | Avg | H | - | - | -109.69 | 1.94 | -95.91 | -85.30 | -10.61 |
| 1189 | Avg | H | - | - | -106.34 | 2.10 | -92.39 | -75.30 | -17.09 |
| 1210 | Avg | H | - | - | -109.14 | 2.16 | -95.13 | -75.30 | -19.83 |
| 1564 | Avg | H | - | - | -112.80 | 3.58 | -97.37 | -75.30 | -22.07 |
| 1595 | Avg | H | - | - | -107.84 | 3.56 | -92.43 | -75.30 | -17.13 |
| 1601 | Avg | H | - | - | -108.31 | 3.51 | -92.95 | -75.30 | -17.65 |

**Table 7-14. Radiated Spurious Emissions CH. 9 – ANT1**




**Plot 7-181. Radiated Spurious Pre-Scan 1164 - 1240 MHz - CH.9 - ANT 1**

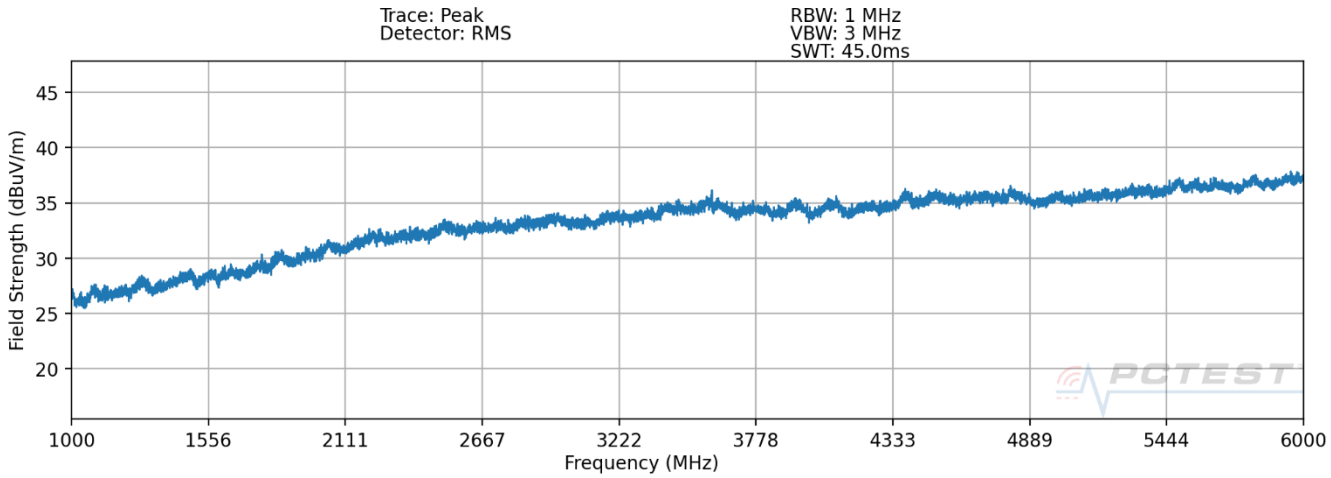



**Plot 7-182. Radiated Spurious Pre-Scan 1559 - 1610 MHz - CH.9 - ANT 1**

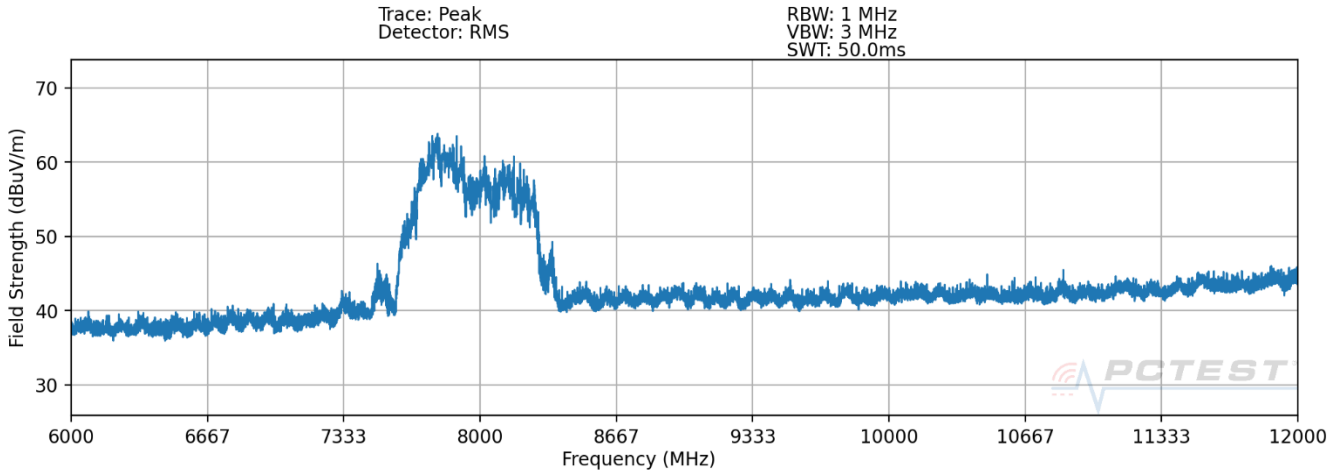
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|---|---|---|---|---|---|---|---|---|---|
| 2461 | Avg | H | - | - | -85.36 | 6.84 | -66.68 | -61.30 | -5.38 |
| 2510 | Avg | H | - | - | -82.34 | 6.96 | -63.54 | -61.30 | -2.24 |
| 6245 | Avg | H | - | - | -80.69 | 15.87 | -52.98 | -41.30 | -11.68 |
| 16000 | Avg | H | - | - | -97.33 | 22.20 | -63.29 | -61.30 | -1.99 |
| 17500 | Avg | H | - | - | -83.60 | 28.30 | -43.46 | -41.30 | -2.16 |

**Table 7-15. Radiated Spurious Emissions CH. 9 – ANT1 – GPS BANDs**

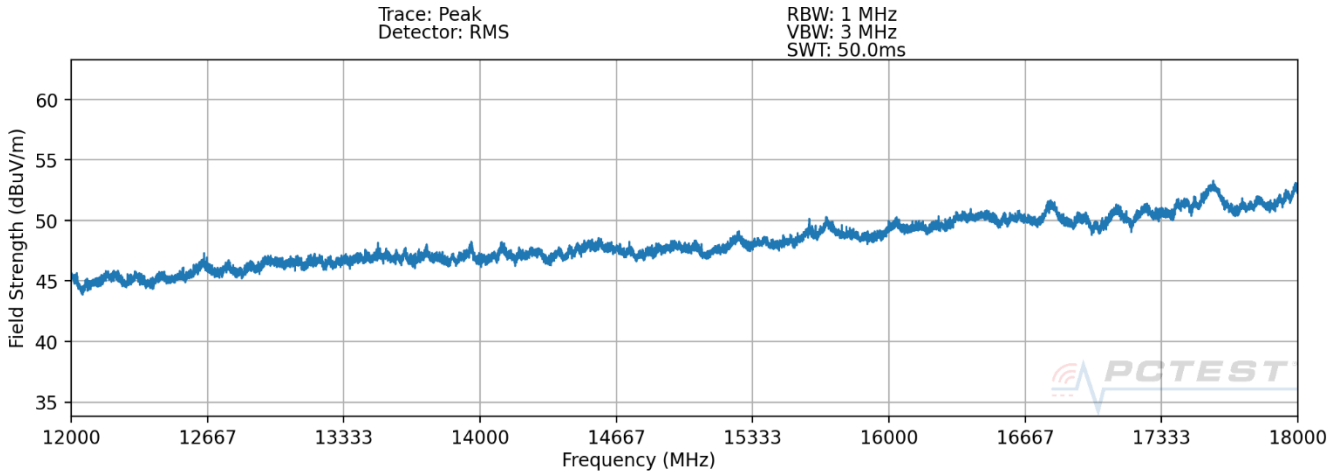
## Channel 9 ANTENNA 2:



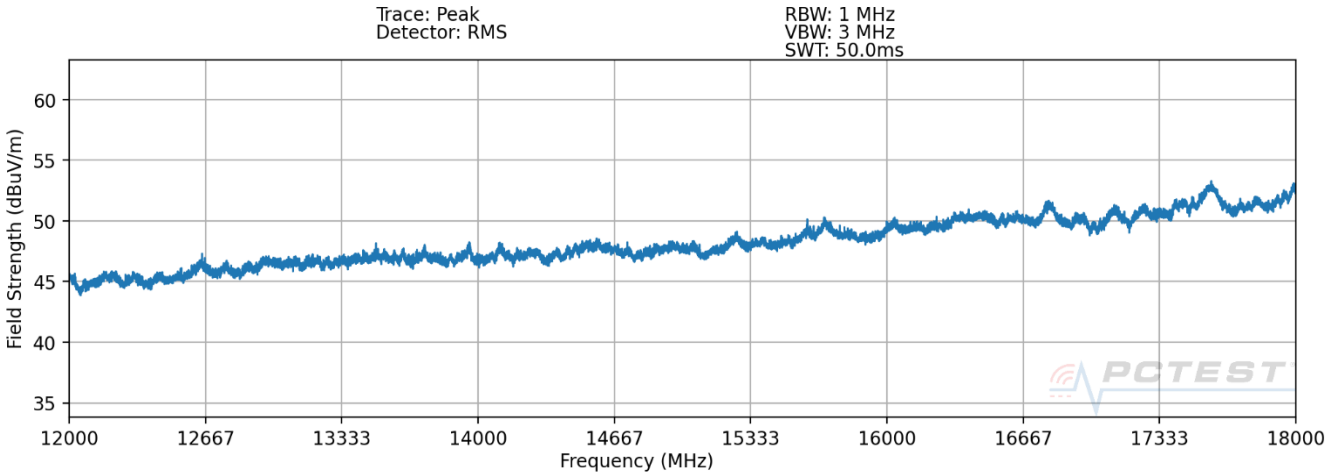

**Plot 7-183. Radiated Spurious Pre-Scan 960 - 6000 MHz - CH.9 - ANT 2**



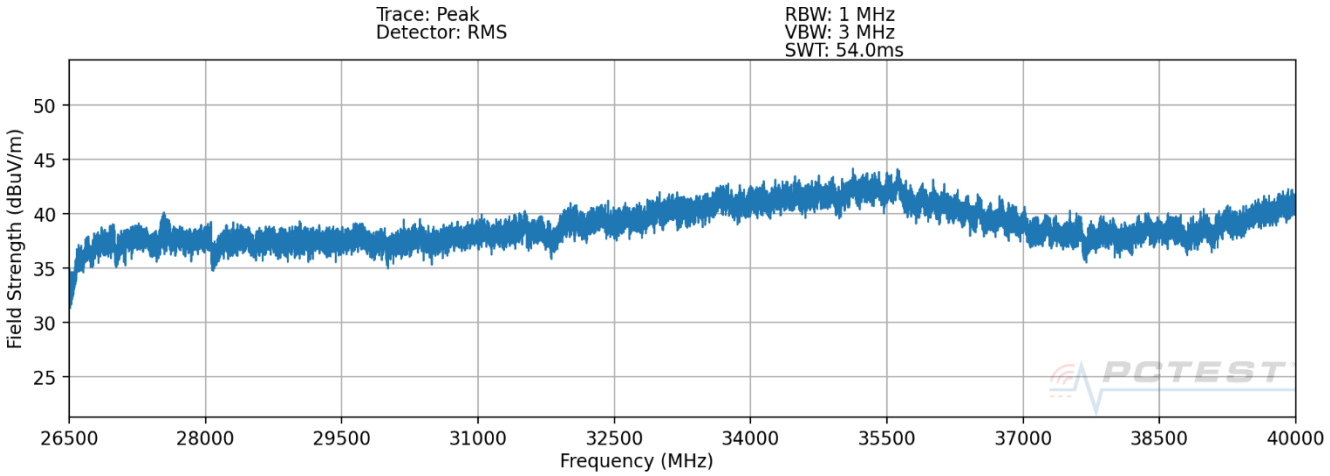

**Plot 7-184. Radiated Spurious Pre-Scan 6000 - 12000 MHz - CH.9 - ANT 2**




**Plot 7-185. Radiated Spurious Pre-Scan 12000 - 18000 MHz - CH.9 - ANT 2**




**Plot 7-186. Radiated Spurious Pre-Scan 18 – 26.5 GHz - CH.9 - ANT 2**

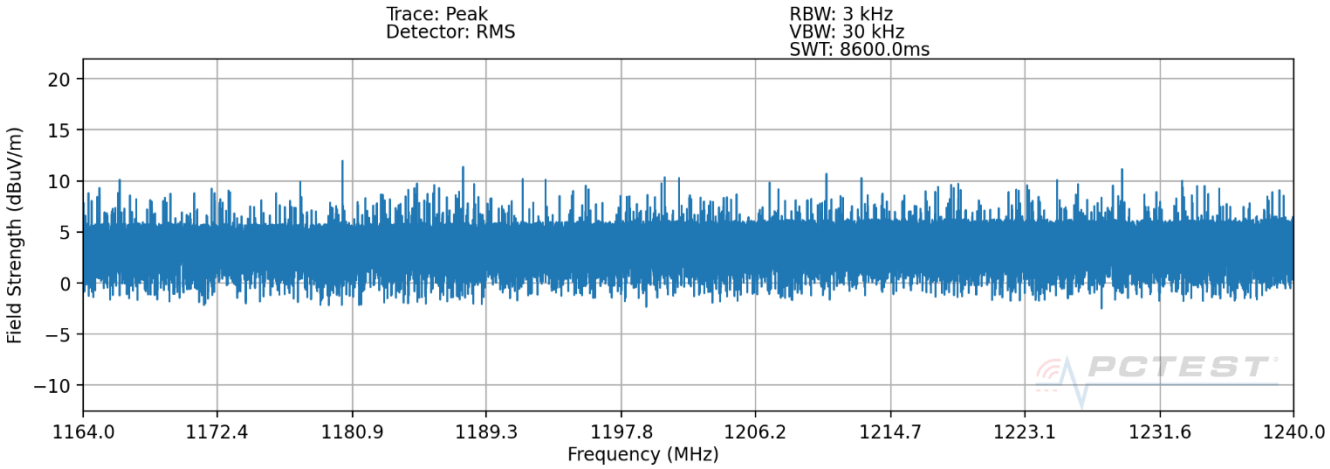



**Plot 7-187. Radiated Spurious Pre-Scan 26.5 – 40.0 GHz - CH.9 - ANT 2**

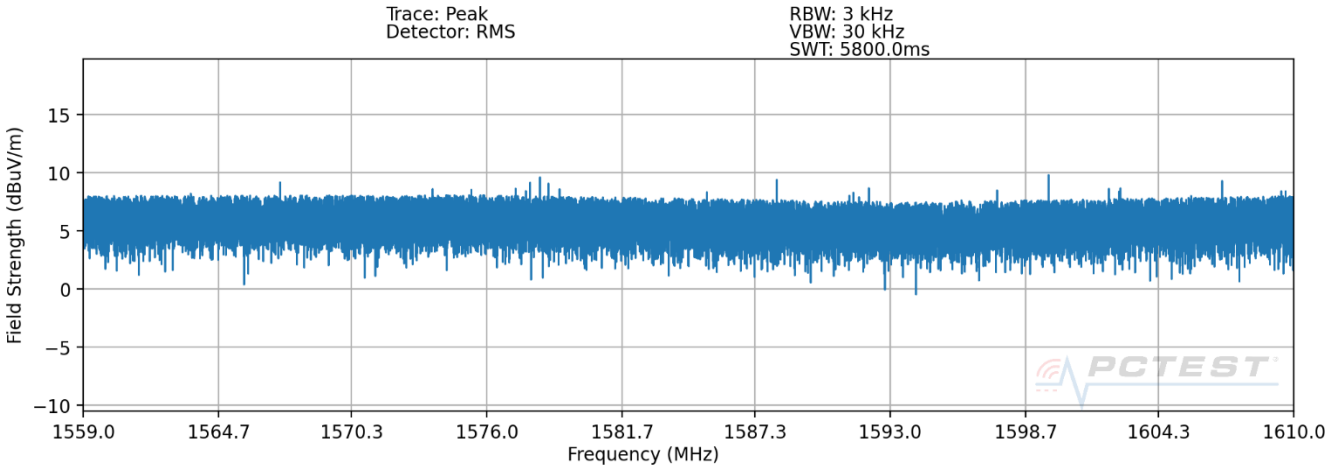
| | |
|---|---|
| **Channel:** | 9 |
| **Frequency (MHz):** | 8000 |
| **Preambel id:** | 12 |
| **Config** | SP3 |

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|---|---|---|---|---|---|---|---|---|---|
| 1183 | Avg | V | - | - | -109.76 | 2.07 | -95.85 | -75.30 | -20.55 |
| 1196 | Avg | V | - | - | -110.21 | 2.14 | -96.22 | -75.30 | -20.92 |
| 1210 | Avg | V | - | - | -108.43 | 2.16 | -94.42 | -75.30 | -19.12 |
| 1574 | Avg | V | - | - | -112.27 | 3.70 | -96.73 | -75.30 | -21.43 |
| 1590 | Avg | V | - | - | -112.21 | 3.60 | -96.77 | -75.30 | -21.47 |
| 1608 | Avg | V | - | - | -111.44 | 3.44 | -96.15 | -75.30 | -20.85 |

**Table 7-16. Radiated Spurious Emissions CH. 9 – ANT2**




**Plot 7-188. Radiated Spurious Pre-Scan 1164 - 1240 MHz - CH.9 - ANT 2**




**Plot 7-189. Radiated Spurious Pre-Scan 1559 - 1610 MHz - CH.9 - ANT 2**

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|---|---|---|---|---|---|---|---|---|---|
| 6040 | Avg | V | - | - | -79.77 | 15.68 | -52.25 | -41.30 | -10.95 |
| 7026 | Avg | V | - | - | -80.66 | 16.73 | -52.09 | -41.30 | -10.79 |
| 9000 | Avg | V | - | - | -81.21 | 20.99 | -48.38 | -41.30 | -7.08 |
| 10200 | Avg | V | - | - | -83.61 | 21.55 | -50.22 | -41.30 | -8.92 |

**Table 7-17. Radiated Spurious Emissions CH. 9 – ANT2 – GPS BANDs**

## 7.6 Radiated Spurious Emissions Measurements – Below 1GHz

**§15.209(a), §15.519(c); RSS-Gen [8.9]**

### Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

***All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 6 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-18 per Section 15.209 and RSS-Gen (8.9).***

| Frequency | Field Strength [µV/m] | Measured Distance [Meters] |
|---|---|---|
| 0.009 – 0.490 MHz | 2400/F (kHz) | 300 |
| 0.490 – 1.705 MHz | 24000/F (kHz) | 30 |
| 1.705 – 30.00 MHz | 30 | 30 |
| 30.00 – 88.00 MHz | 100 | 3 |
| 88.00 – 216.0 MHz | 150 | 3 |
| 216.0 – 960.0 MHz | 200 | 3 |
| Above 960.0 MHz | 500 | 3 |

**Table 7-18. Radiated Limits**

### Test Procedures Used

ANSI C63.10-2013

### Test Settings

#### Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

## Test Setup

The EUT and measurement equipment were set up as shown in the diagrams below.

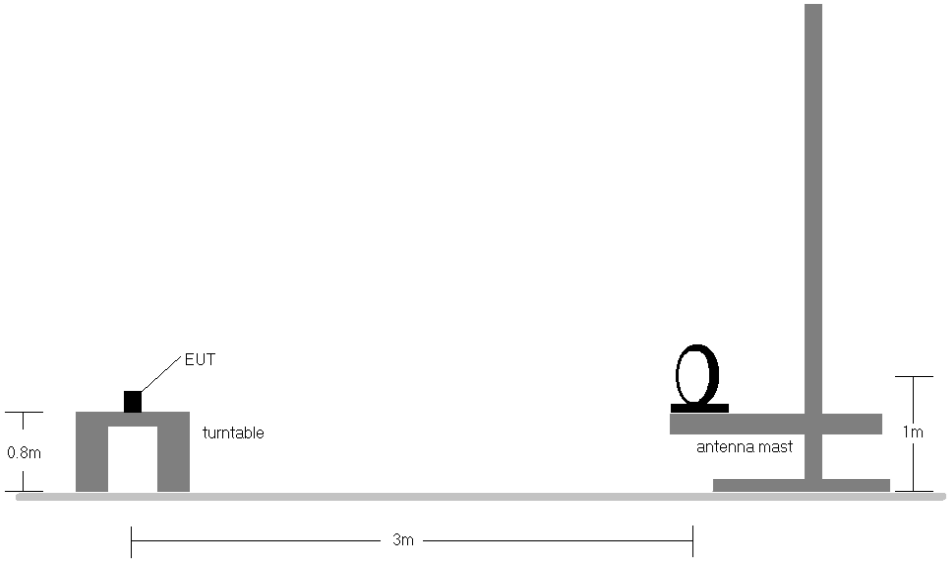



**Figure 7-3. Radiated Test Setup < 30Mhz**

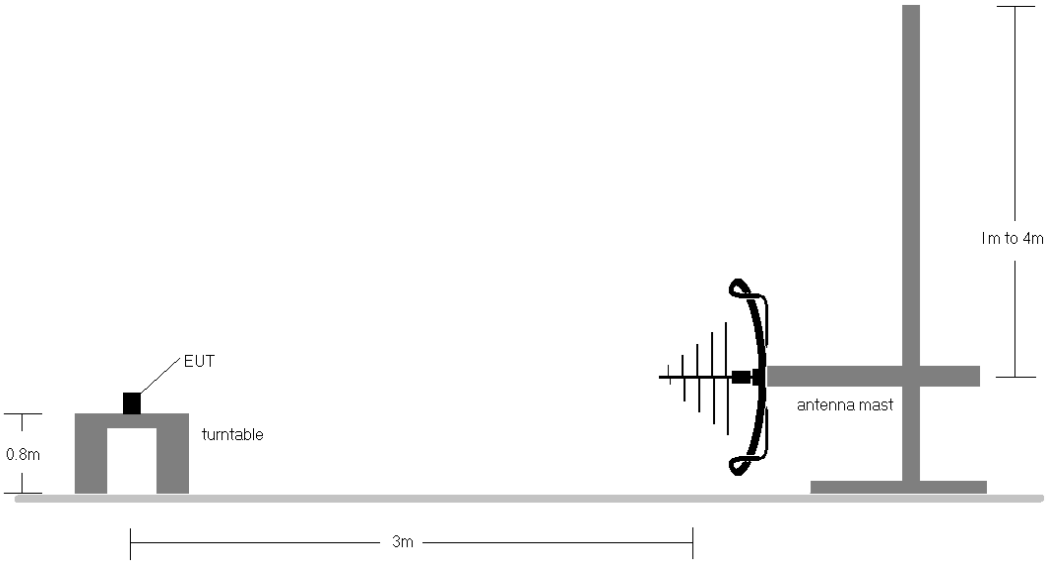
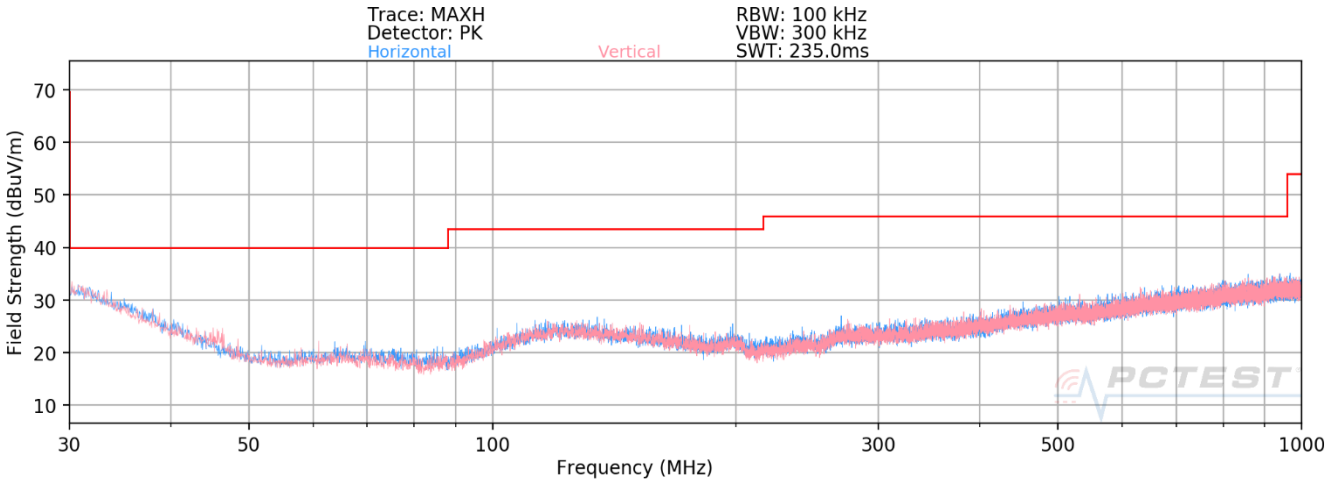


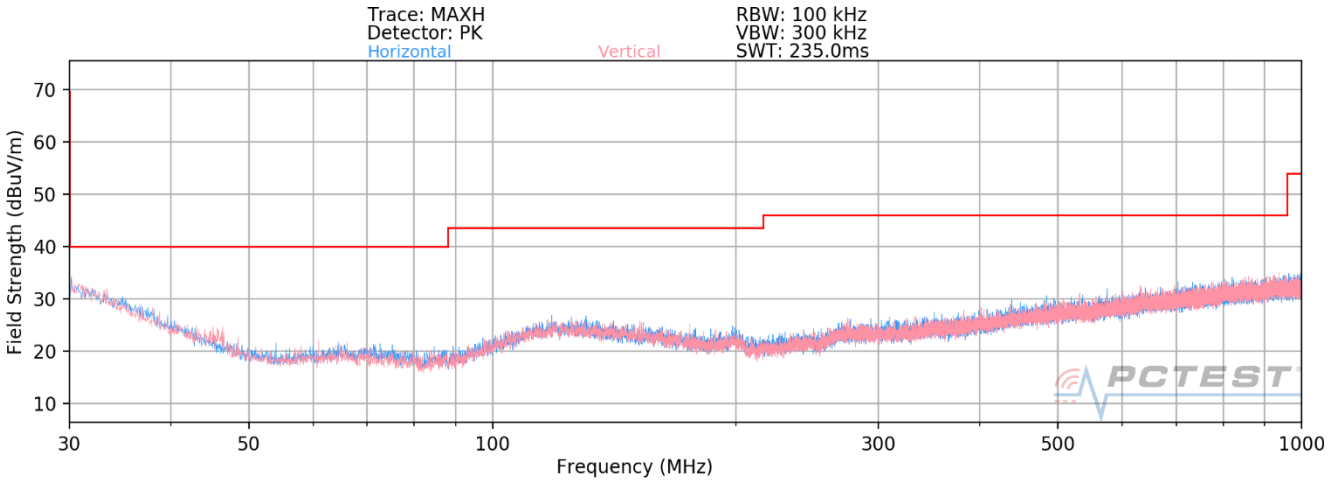

**Figure 7-4. Radiated Test Setup < 1GHz**

## Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen(8.10) are below the limit shown in Table 7-18 .
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes.
3. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector. The worst-case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
4. Emissions were measured at a 3 meter test distance.
5. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
6. No spurious emissions were detected within 20dB of the limit below 30MHz.
7. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
8. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. There were no emissions detected in the 30MHz – 1GHz frequency range, as shown in the subsequent plots.




**Plot 7-190. 30MHz - 1 GHz Pre-Scan Plots ANT1**




**Plot 7-191. 30MHz - 1 GHz Pre-Scan Plots ANT2**

## 7.7 Line Conducted Measurement Data

**§15.207**

### Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

***All out of band emissions appearing in a restricted band as specified in RSS-Gen (8.9).***

| Frequency of emission (MHz) | Conducted Limit (dBμV) | |
|---|---|---|
| | Quasi-peak | Average |
| 0.15 – 0.5 | 66 to 56* | 56 to 46* |
| 0.5 – 5 | 56 | 46 |
| 5 – 30 | 60 | 50 |

**Table 7-19. Conducted Limits**

*Decreases with the logarithm of the frequency.

### Test Procedures Used

ANSI C63.4-2014

### Test Settings

#### Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

#### Average Field Strength Measurements

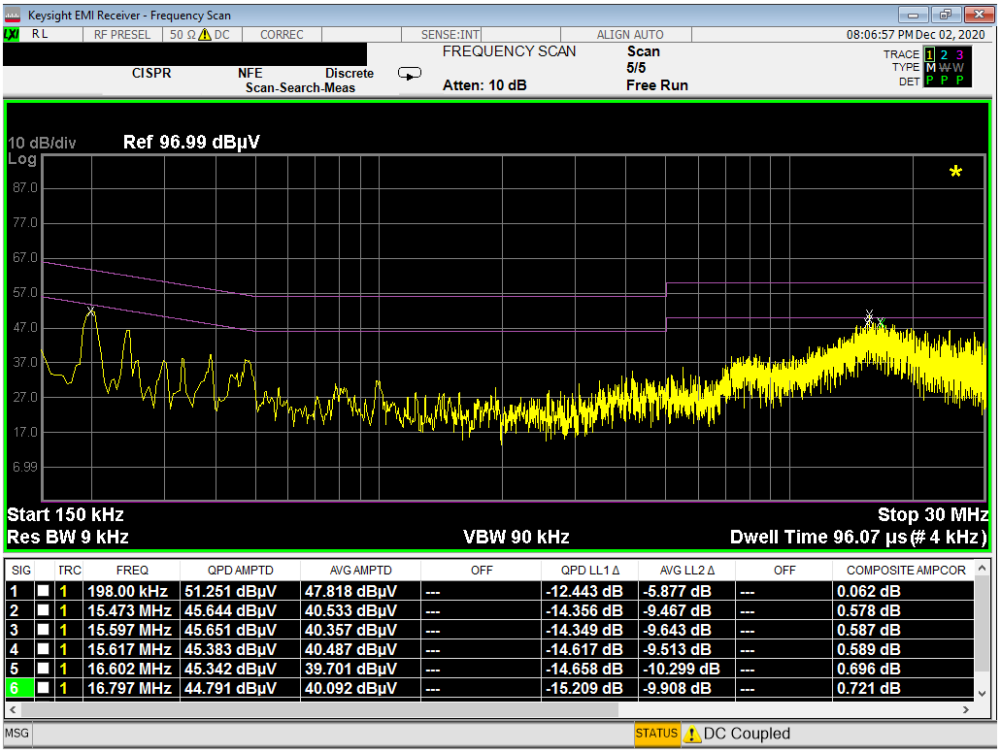
1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

## Test Setup

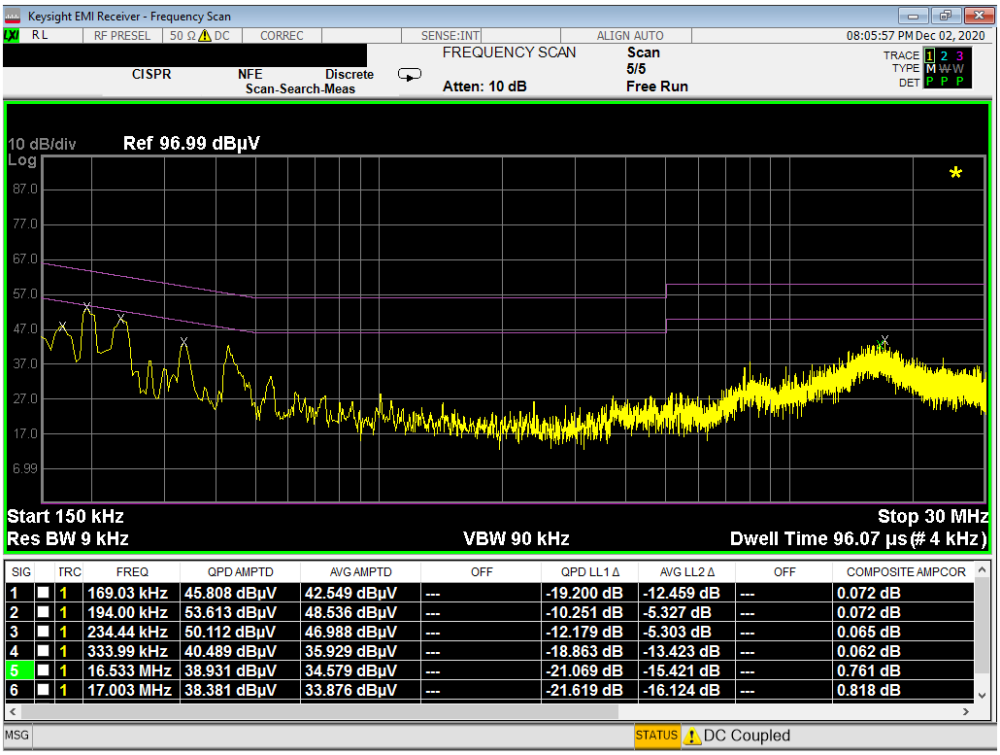
The EUT and measurement equipment were set up as shown in the test setup photos provided.

## Test Notes

1. All Modes of operation were investigated and the worst-case emissions are reported.
2. The limit for Class B device(s) from 150kHz to 30MHz are specified in Section 15.107 and ICES-003.
3. L1 = Phase; N = Neutral
4. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
5. QP/AV Level (dBµV) = QP/AV Reading (dBµV) + Factor (dB)
6. Margin (dB) = QP/AV Limit (dBµV) – QP/AV Level (dBµV)
7. Traces shown in plot are made using a peak detector.
8. Deviations to the Specifications: None.




**Plot 7-192. Line Conducted Plot (L1)**




**Plot 7-193. Line Conducted Plot (N)**

# 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMG998B** has been tested to comply with the requirements specified in §15.519 and §15.521 of the FCC rules.