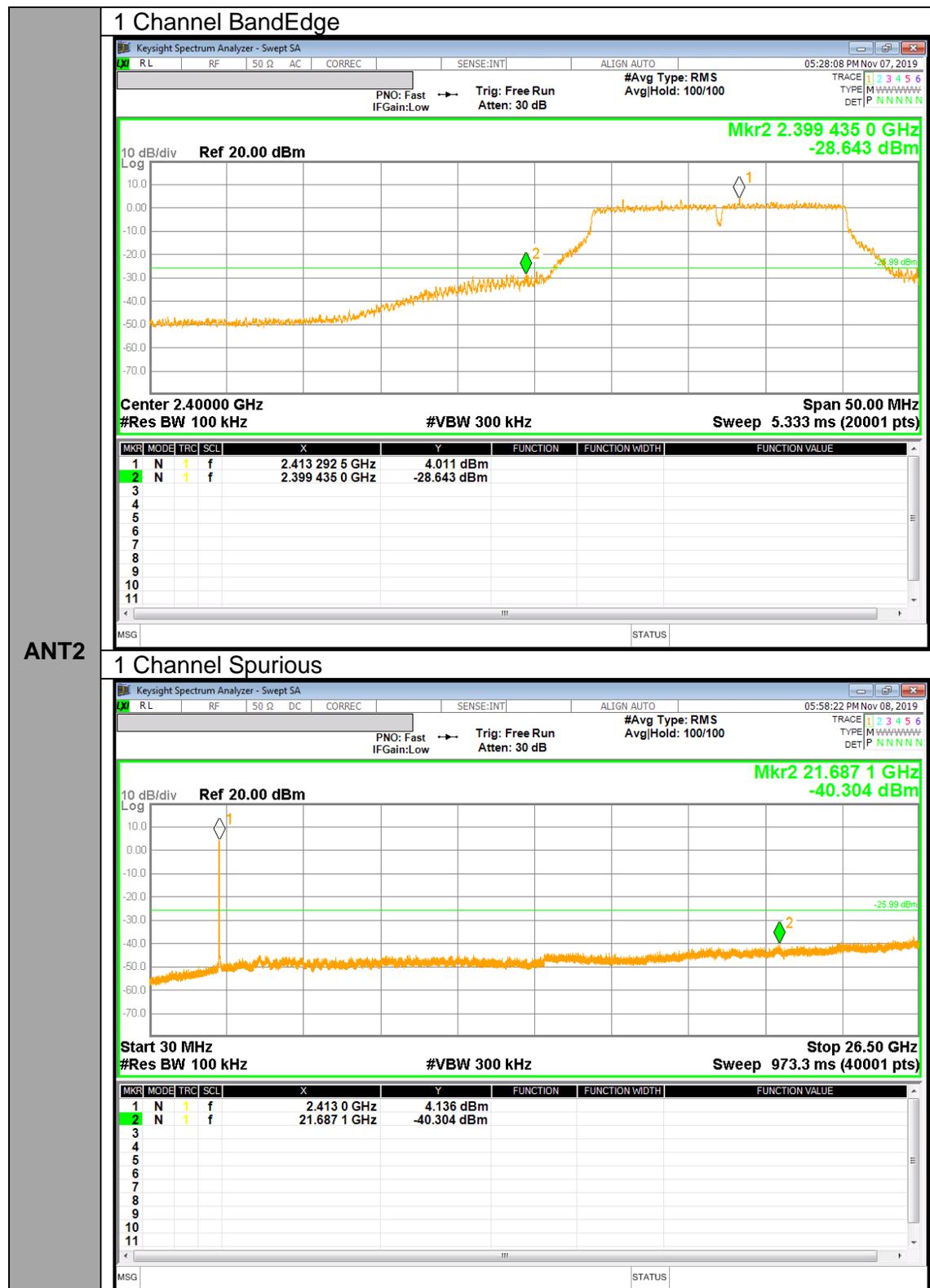
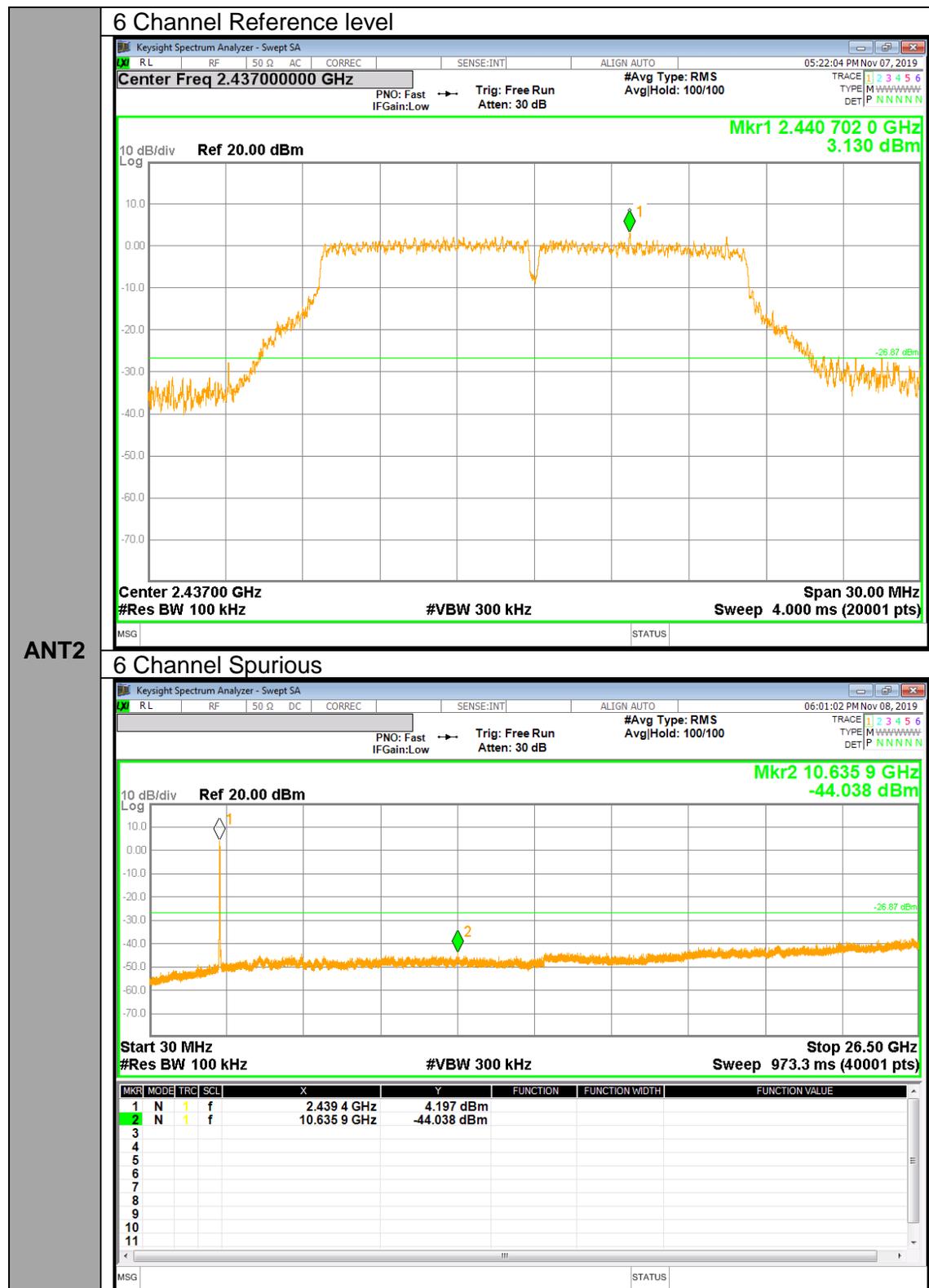
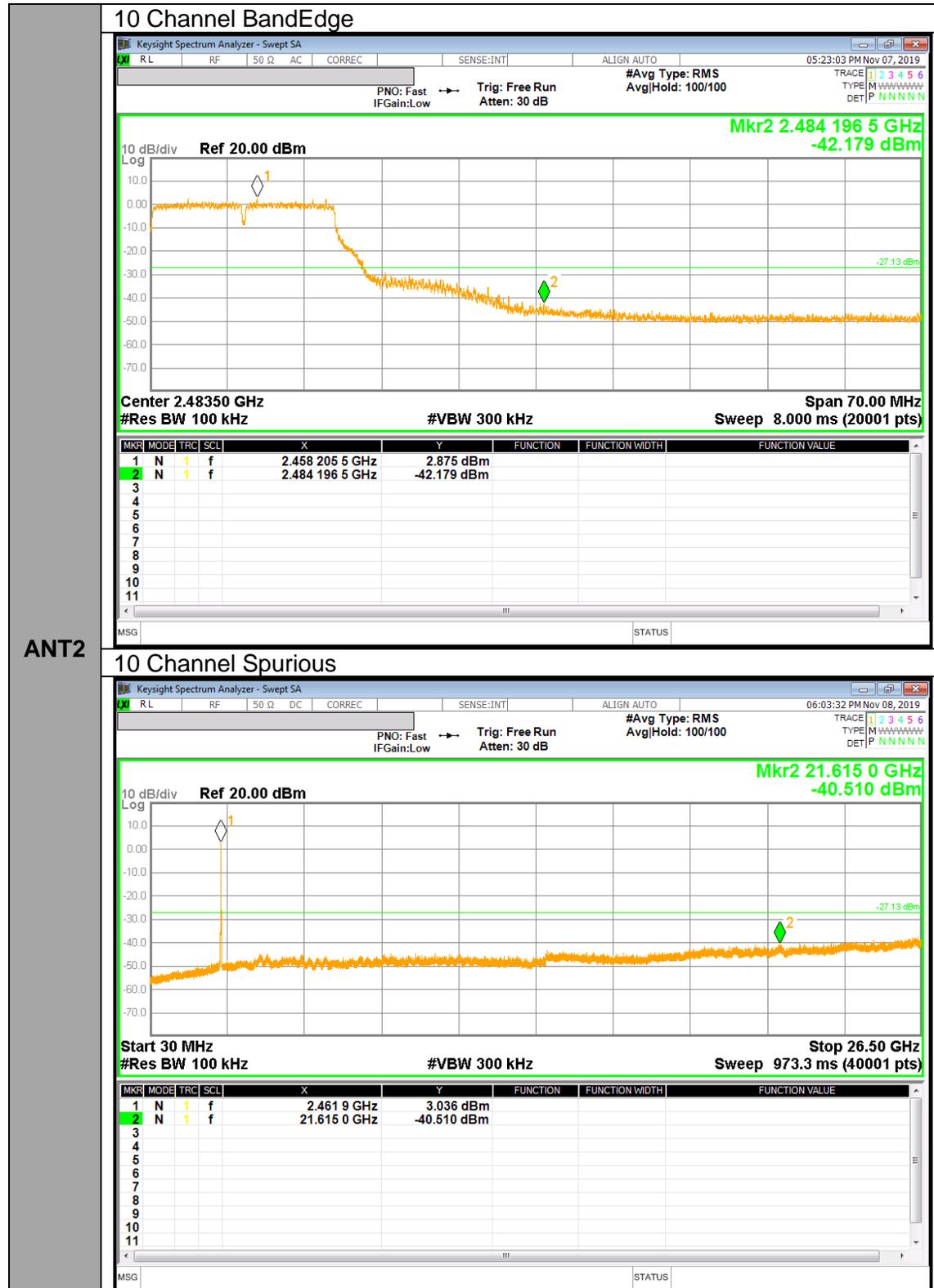
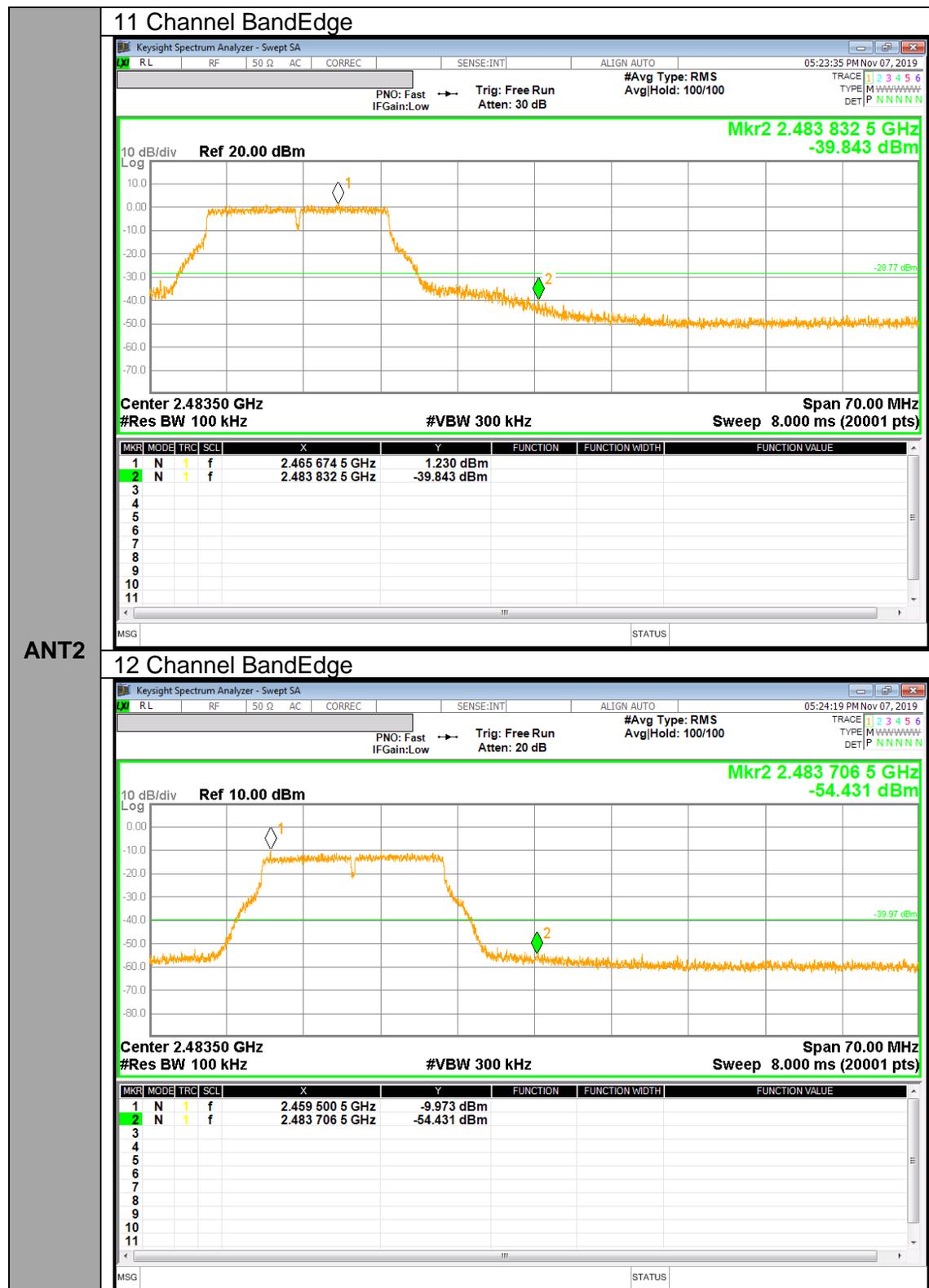


ANT1

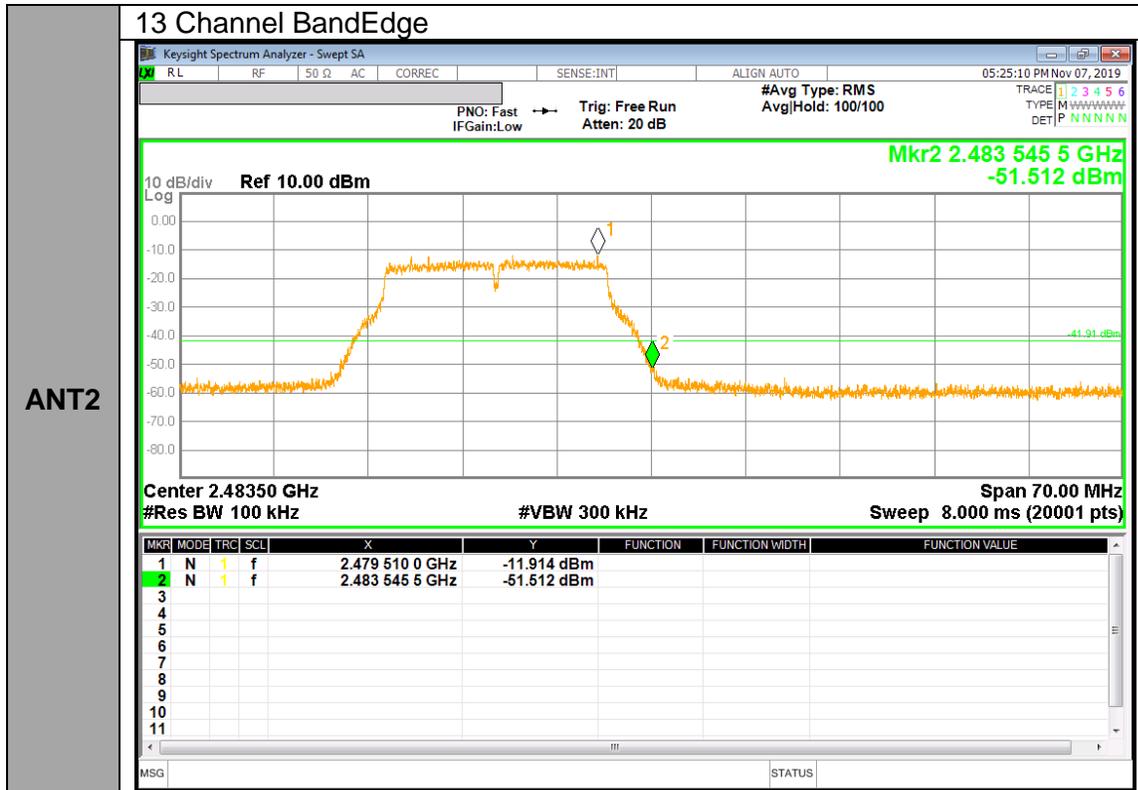




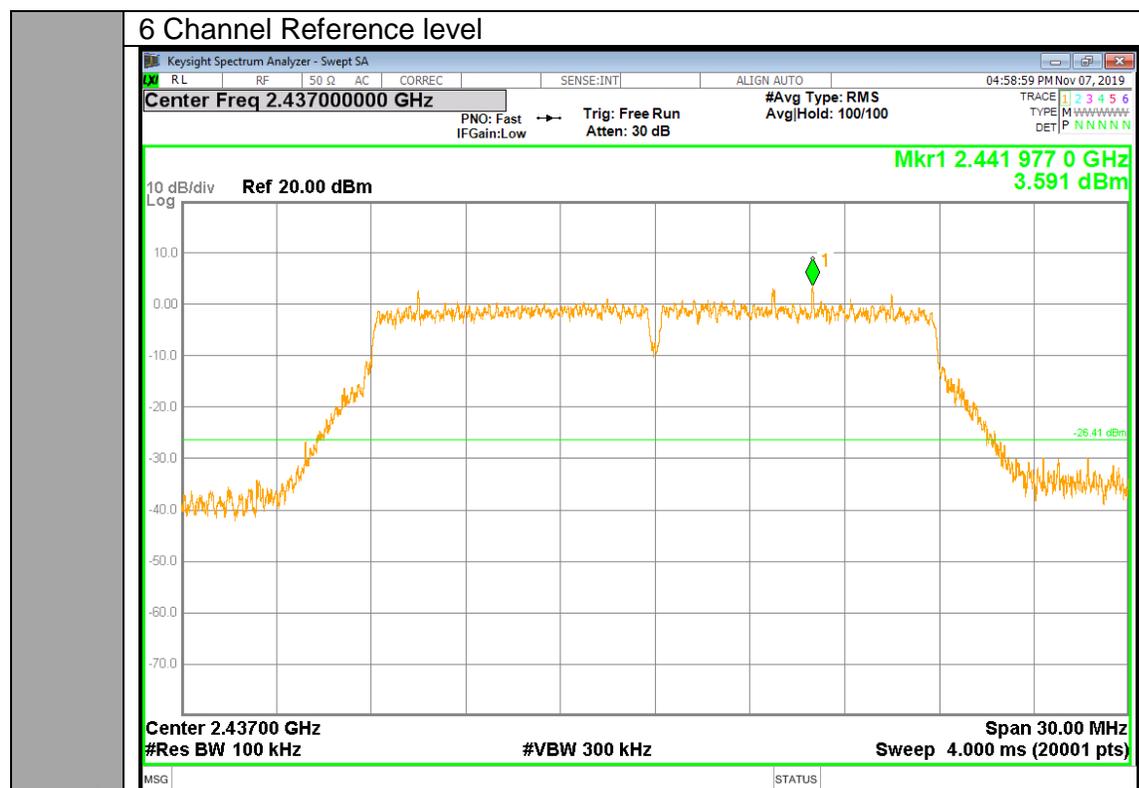




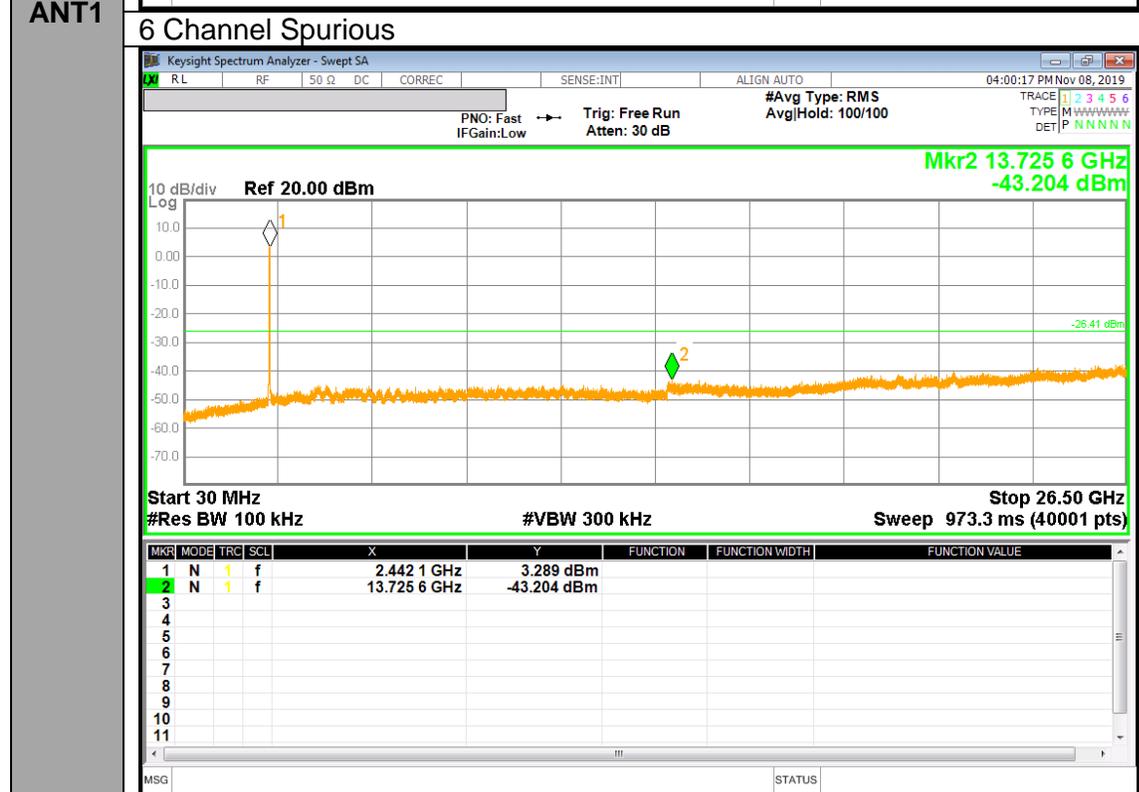
ANT2



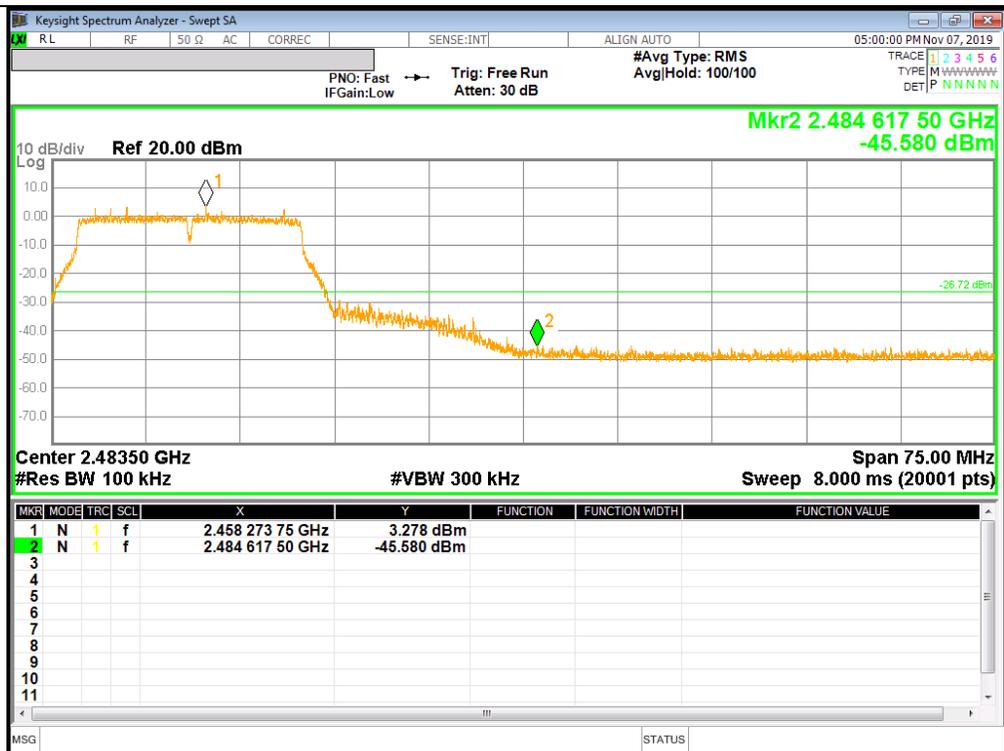
ANT2



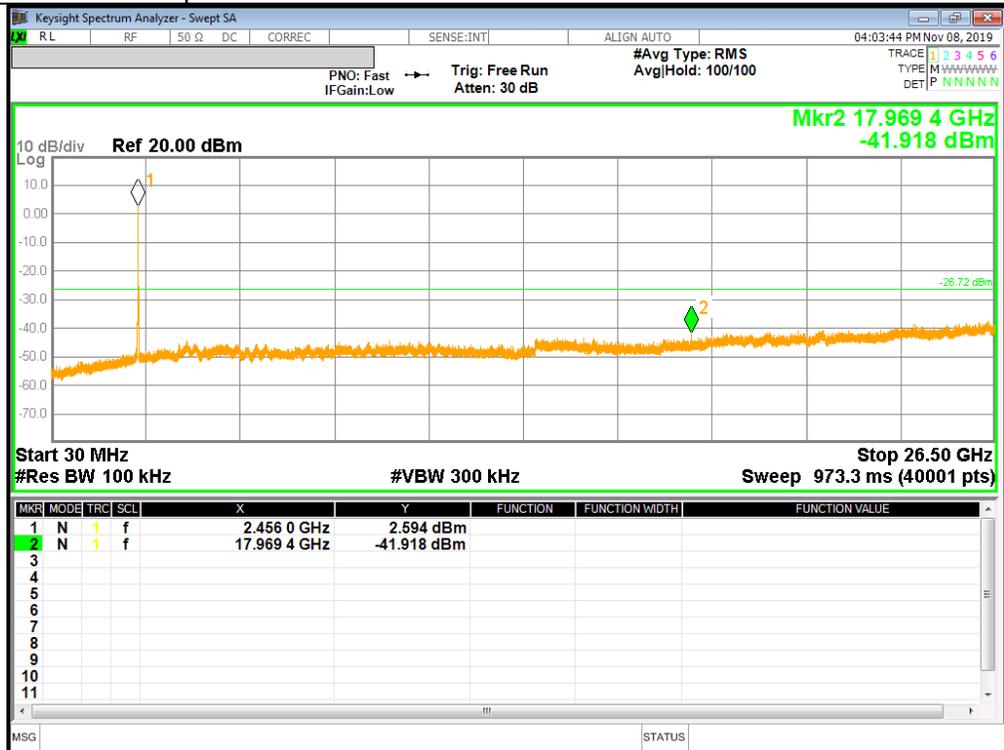
ANT1

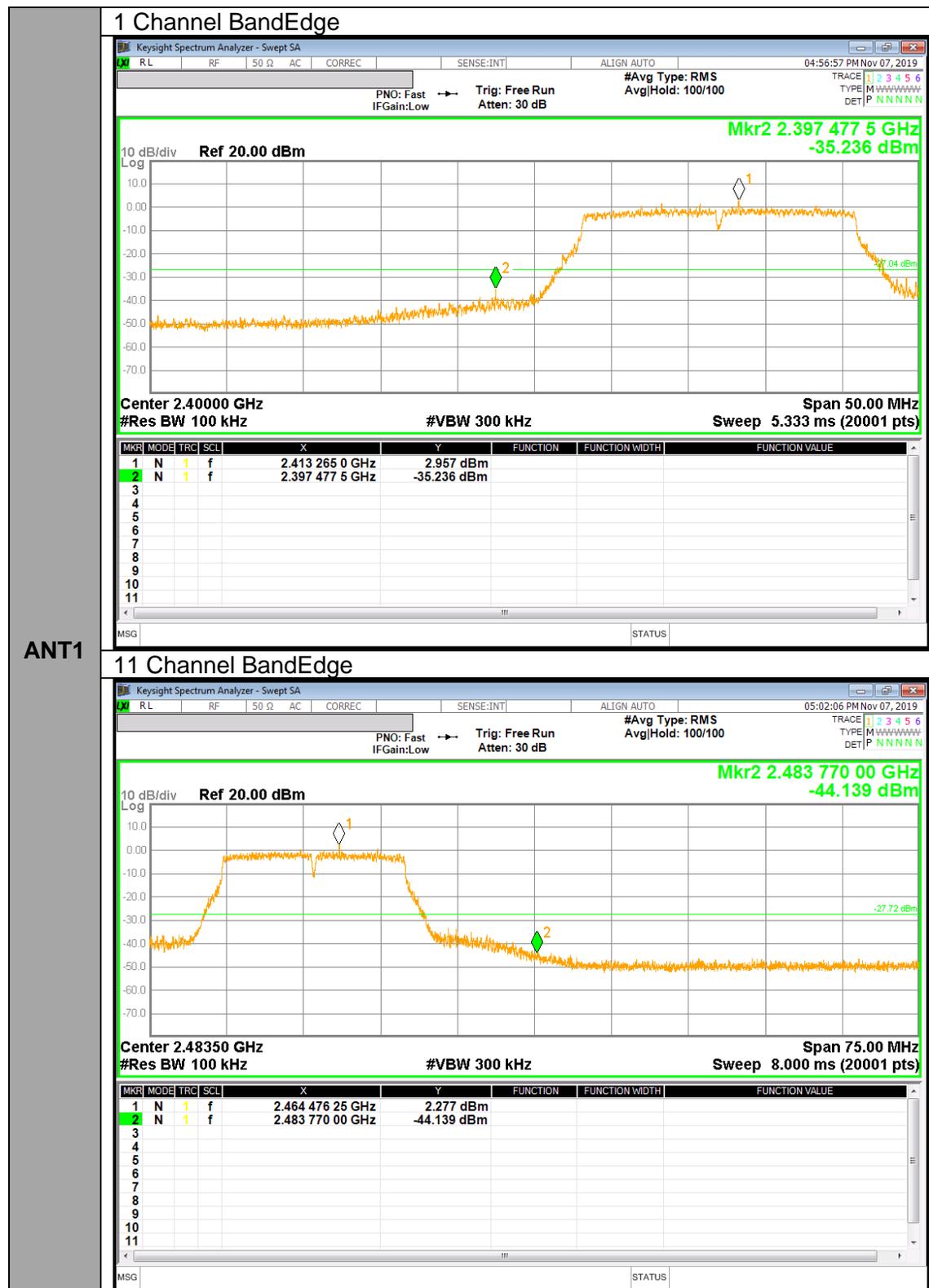


ANT1 10 Channel BandEdge

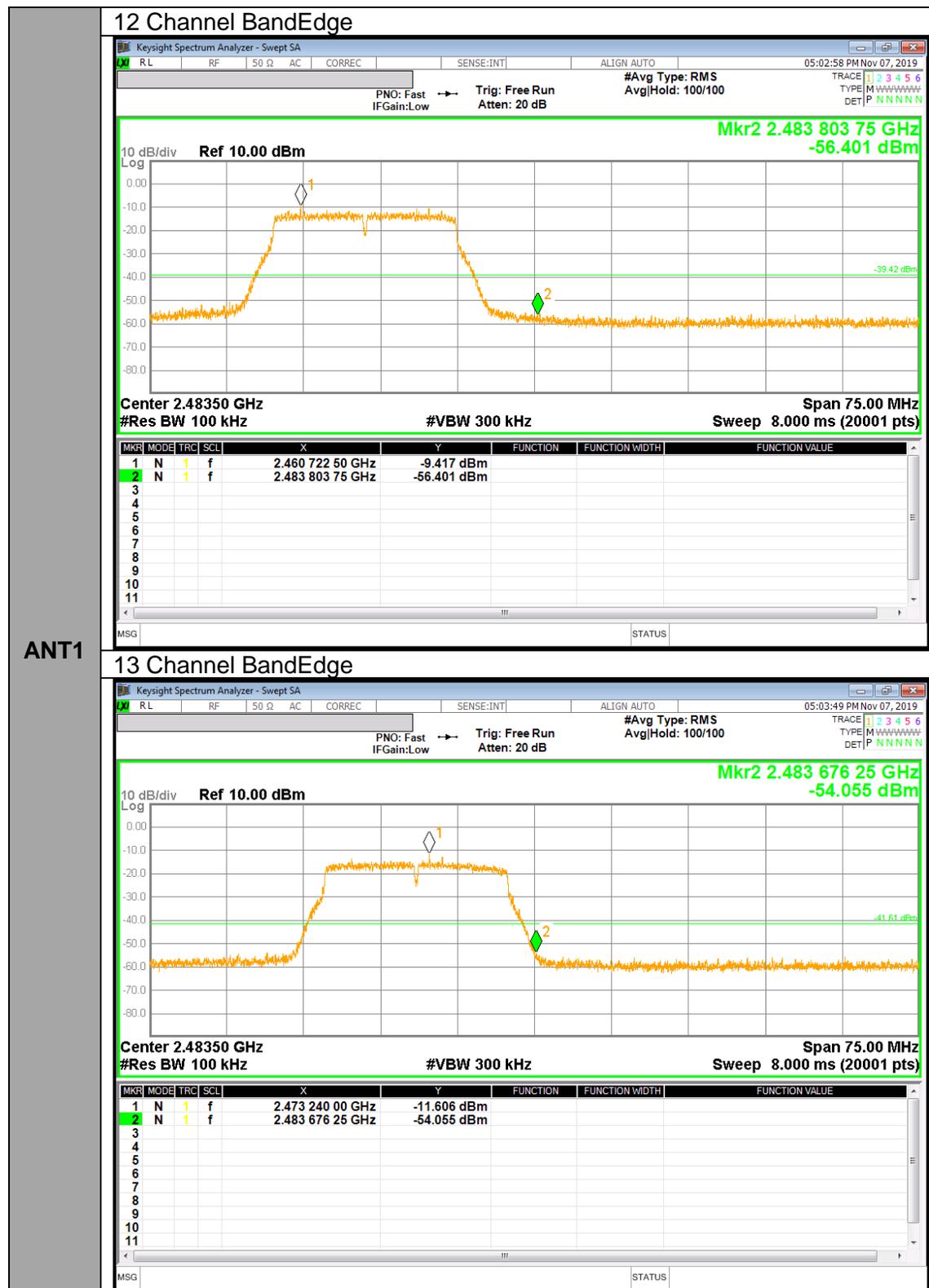


10 Channel Spurious

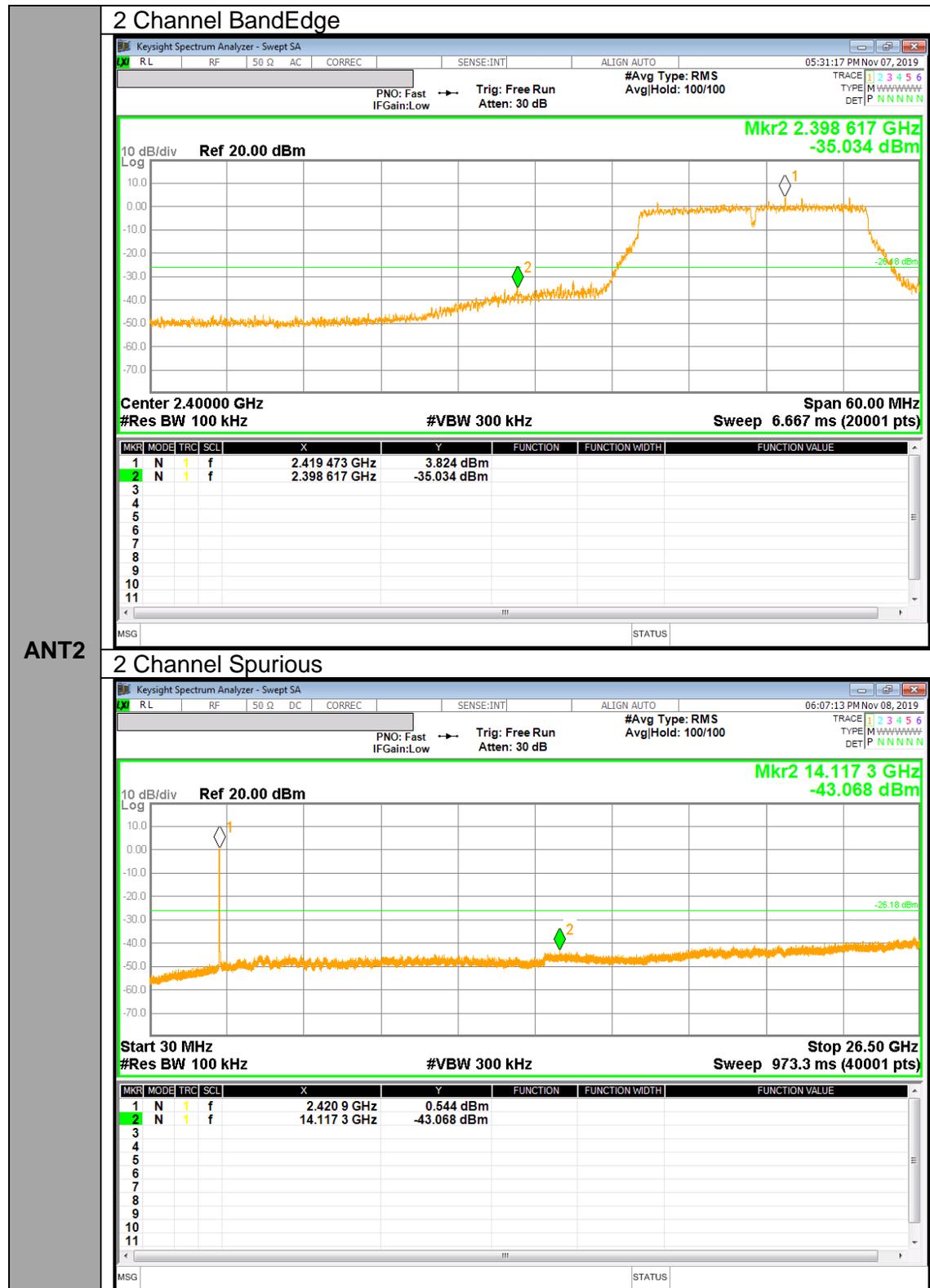




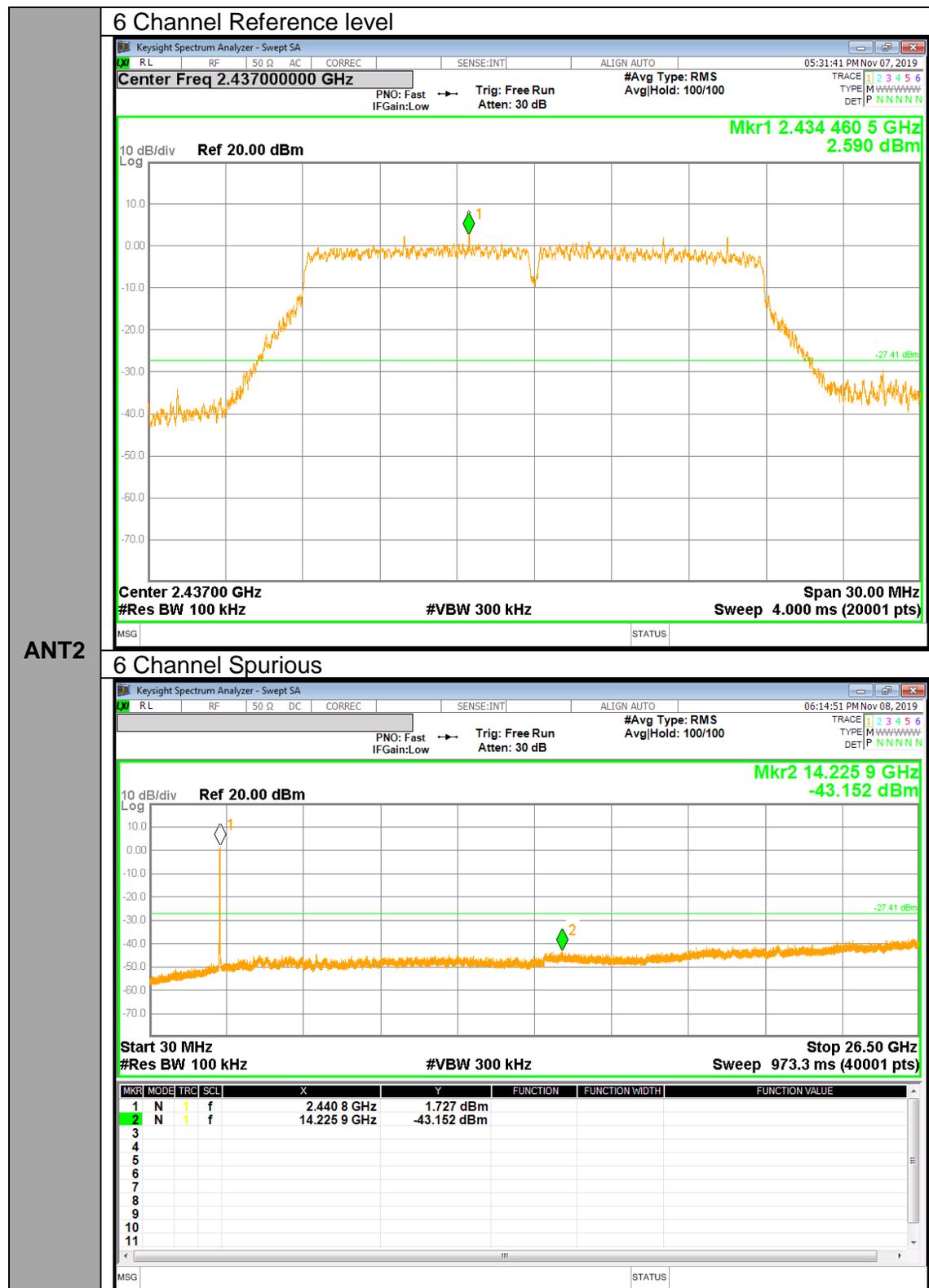
ANT1

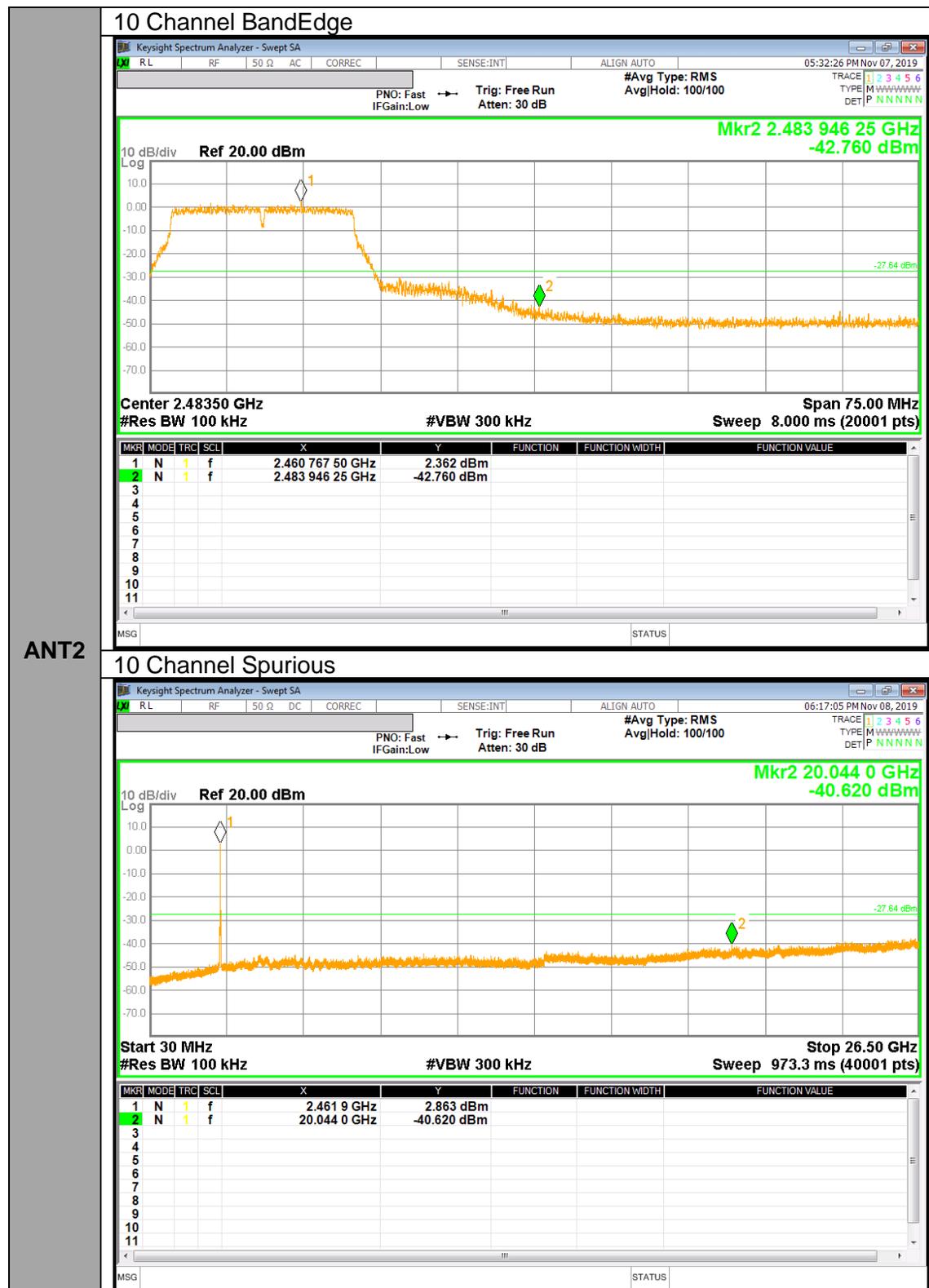


ANT1

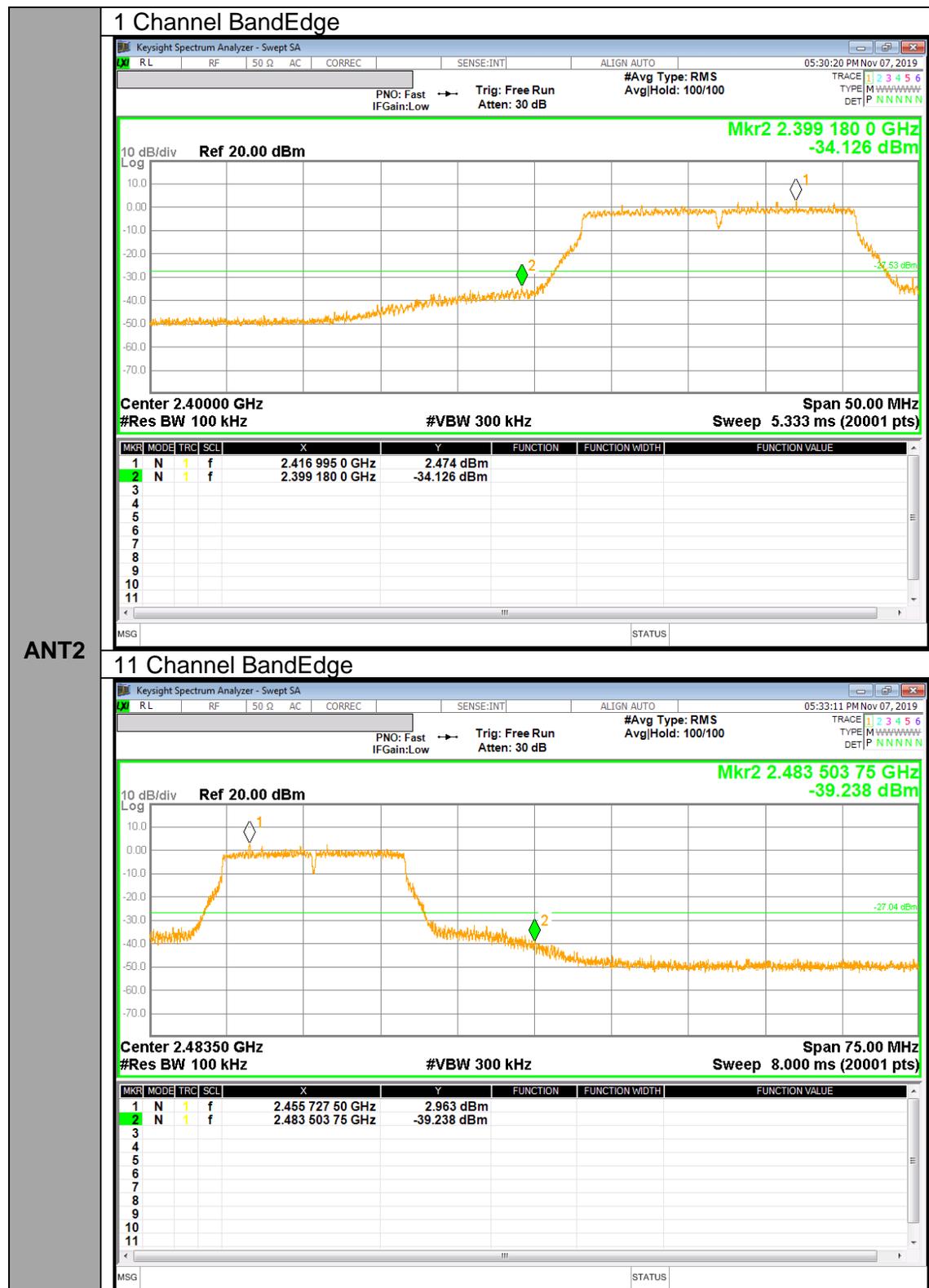


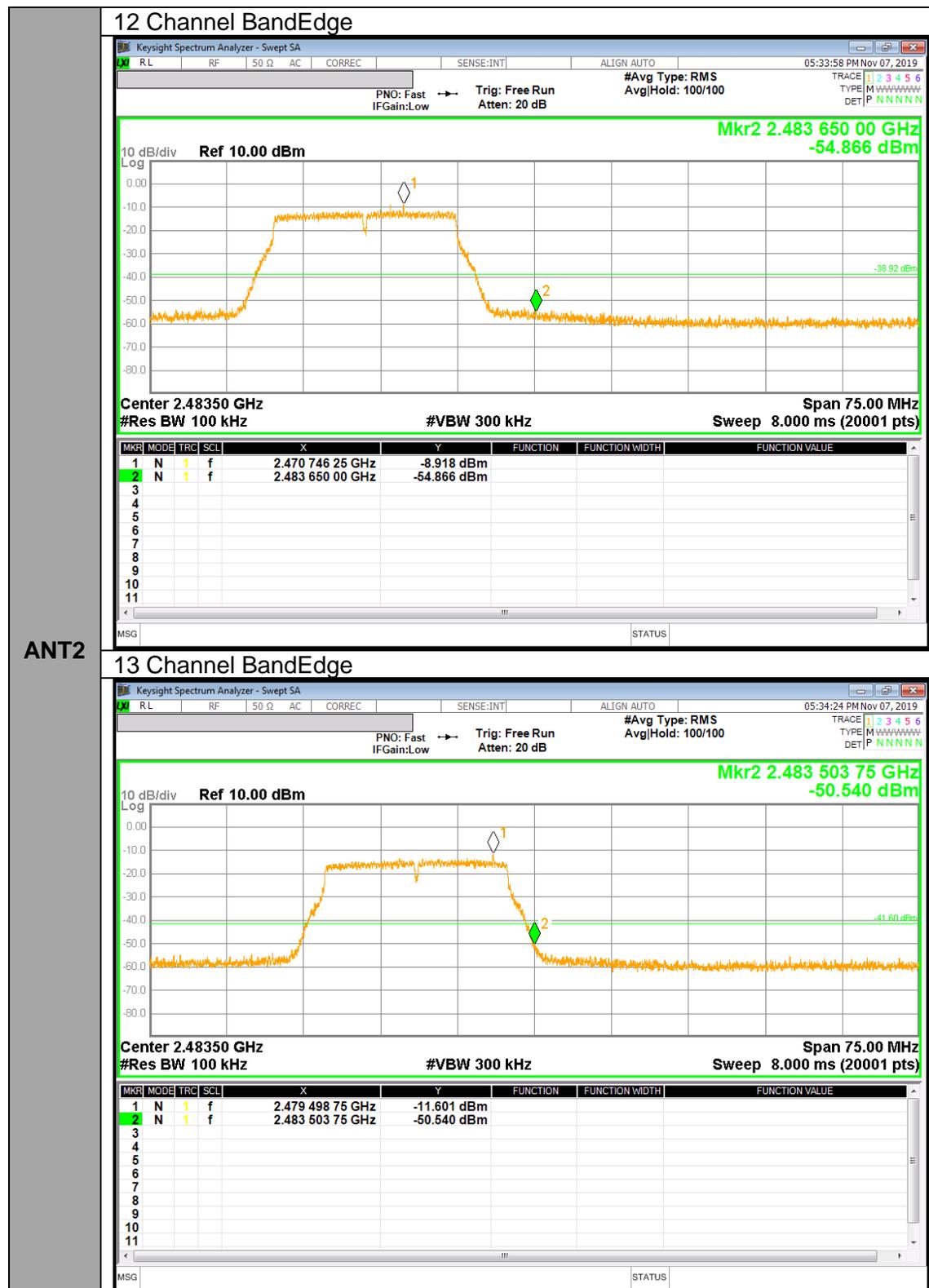
ANT2





ANT2





ANT2

11. RADIATED TEST RESULTS

11.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

| Limits for radiated disturbance of an intentional radiator | | |
|--|-----------------|--------------------------|
| Frequency range (MHz) | Limits (µV/m) | Measurement Distance (m) |
| 0.009 – 0.490 | 2400 / F (kHz) | 300 |
| 0.490 – 1.705 | 24000 / F (kHz) | 30 |
| 1.705 – 30.0 | 30 | 30 |
| 30 – 88 | 100** | 3 |
| 88 - 216 | 150** | 3 |
| 216 – 960 | 200** | 3 |
| Above 960 | 500 | 3 |

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g. §§ 15.231 and 15.241.

FCC Part 15.205 (a) : Only spurious emissions are permitted in any of the frequency bands listed below :

| MHz | MHz | MHz | MHz | GHz | GHz |
|-------------------|---------------------|----------------|-----------------|--------------|---------------|
| 0.009 ~ 0.110 | 8.41425 ~ 8.41475 | 108 ~ 121.94 | 1300 ~ 1427 | 4.5 ~ 5.15 | 14.47 ~ 14.5 |
| 0.495 ~ 0.505 | 12.29 ~ 12.293 | 123 ~ 138 | 1435 ~ 1626.5 | 5.35 ~ 5.46 | 15.35 ~ 16.2 |
| 2.1735 ~ 2.1905 | 12.51975 ~ 12.52025 | 149.9 ~ 150.05 | 1645.5 ~ 1646.5 | 7.25 ~ 7.75 | 17.7 ~ 21.4 |
| 4.125 ~ 4.128 | 12.57675 ~ 12.57725 | 156.52475 ~ | 1660 ~ 1710 | 8.025 ~ 8.5 | 22.01 ~ 23.12 |
| 4.17725 ~ 4.17775 | 13.36 ~ 13.41 | 156.52525 | 1718.8 ~ 1722.2 | 9.0 ~ 9.2 | 23.6 ~ 24.0 |
| 4.20725 ~ 4.20775 | 16.42 ~ 16.423 | 156.7 ~ 156.9 | 2200 ~ 2300 | 9.3 ~ 9.5 | 31.2 ~ 31.8 |
| 6.215 ~ 6.218 | 16.69475 ~ 16.69525 | 162.0125 ~ | 2310 ~ 2390 | 10.6 ~ 12.7 | 36.43 ~ 36.5 |
| 6.26775 ~ 6.26825 | 16.80425 ~ 16.80475 | 167.17 | 2483.5 ~ 2500 | 13.25 ~ 13.4 | Above 38.6 |
| 6.31175 ~ 6.31225 | 25.5 ~ 25.67 | 167.72 ~ 173.2 | 2655 ~ 2900 | | |
| 8.291 ~ 8.294 | 37.5 ~ 38.25 | 240 ~ 285 | 3260 ~ 3267 | | |
| 8.362 ~ 8.366 | 73 ~ 74.6 | 322 ~ 335.4 | 3332 ~ 3339 | | |
| 8.37625 ~ 8.38675 | 74.8 ~ 75.2 | 399.90 ~ 410 | 3345.8 ~ 3358 | | |
| | | 608 ~ 614 | 3600 ~ 4400 | | |
| | | 960 ~ 1240 | | | |

▪ FCC Part 15.205(b) : The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1 GHz and 150 cm for above 1 GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements. (Restricted bandedge, Final detection of spurious harmonic emissions)
Duty cycle factor= $10\log(1/x)$ For this sample B mode = 0dB (duty cycle >98%); G mode = 0dB (duty cycle >98%); N mode = 0dB (duty cycle >98%).

Pre-scans to detect harmonic and spurious emissions, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz for peak measurements.

The spectrum from 1 GHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.
(From 30MHz to 1GHz, test was performed with the EUT set to transmit at the channel with highest output power)

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

Note : Emission was pre-scanned from 9 kHz to 30 MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).
Per FCC part 15.31(o), test results were not reported.

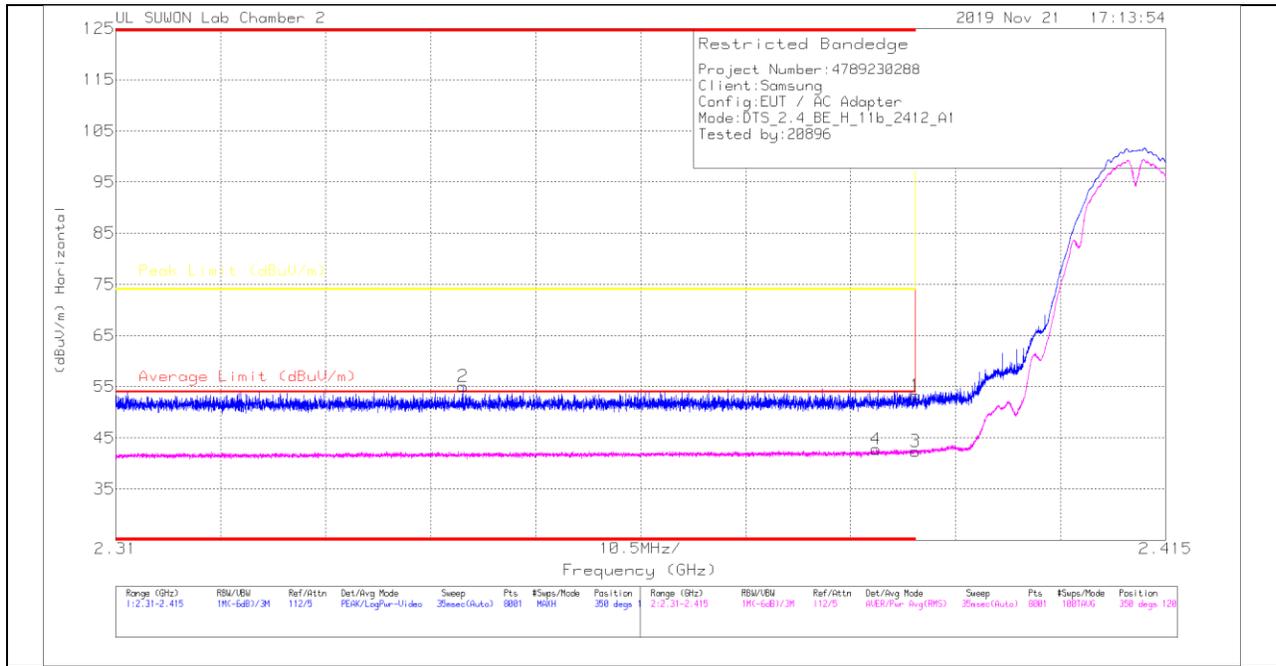
Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site.
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

11.2. TRANSMITTER ABOVE 1 GHz

11.2.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND ANT1

RESTRICTED BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

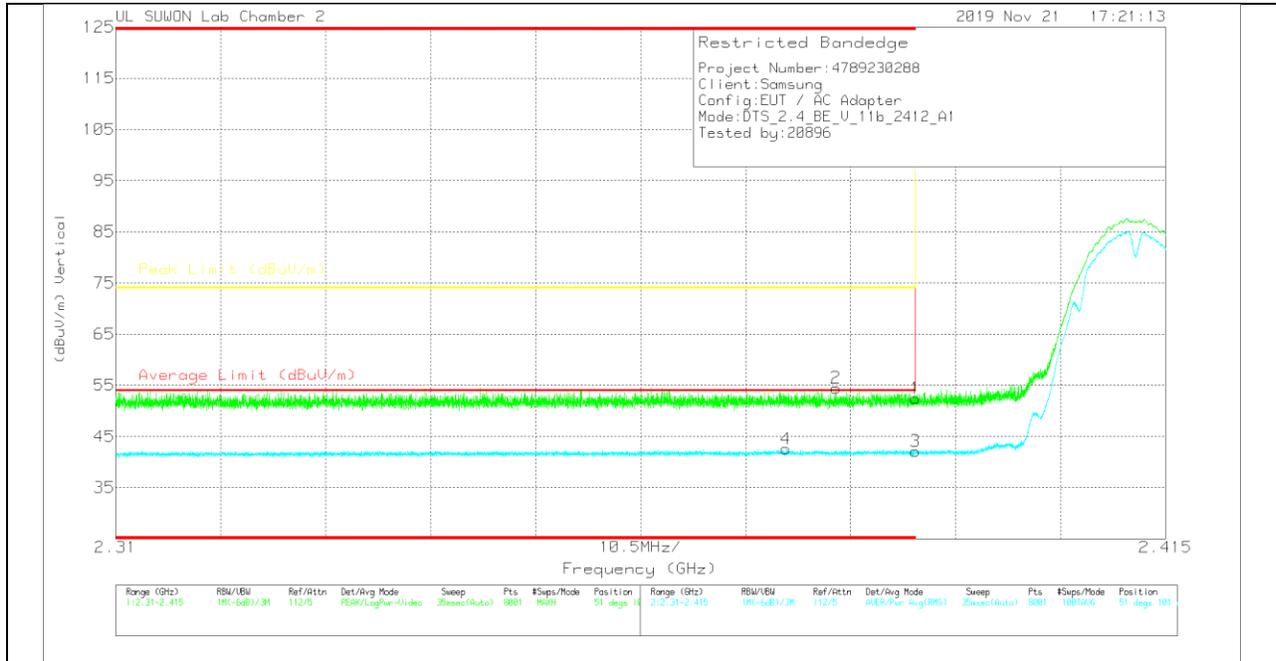
| Marker | Frequency (GHz) | Meter Reading (dBu/m) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Cor (dB) | Corrected Reading (dBu/m) | Average Limit (dBu/m) | Margin (dB) | Peak Limit (dBu/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|-----------------------|-----|---------------|--------------|-------------|---------------------------|-----------------------|-------------|--------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 42.33 | Pk | 31.6 | -20.6 | 0 | 53.33 | - | - | 74 | -20.67 | 350 | 120 | H |
| 2 | * 2.34473 | 44.16 | Pk | 31.6 | -20.7 | 0 | 55.06 | - | - | 74 | -18.94 | 350 | 120 | H |
| 3 | * 2.39 | 31.38 | RMS | 31.6 | -20.6 | 0 | 42.38 | 54 | -11.62 | - | - | 350 | 120 | H |
| 4 | * 2.38605 | 31.78 | RMS | 31.6 | -20.6 | 0 | 42.78 | 54 | -11.22 | - | - | 350 | 120 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBu/m) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBu/m) | Average Limit (dBu/m) | Margin (dB) | Peak Limit (dBu/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|-----------------------|-----|---------------|--------------|--------------|---------------------------|-----------------------|-------------|--------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 41.46 | Pk | 31.6 | -20.6 | 0 | 62.06 | - | - | 74 | -21.54 | 51 | 101 | V |
| 2 | * 2.38204 | 43.59 | Pk | 31.6 | -20.7 | 0 | 64.29 | - | - | 74 | -19.51 | 51 | 101 | V |
| 3 | * 2.39 | 31.1 | RMS | 31.6 | -20.6 | 0 | 42.1 | 54 | -11.9 | - | - | 51 | 101 | V |
| 4 | * 2.37702 | 31.56 | RMS | 31.6 | -20.6 | 0 | 42.56 | 54 | -11.44 | - | - | 51 | 101 | V |

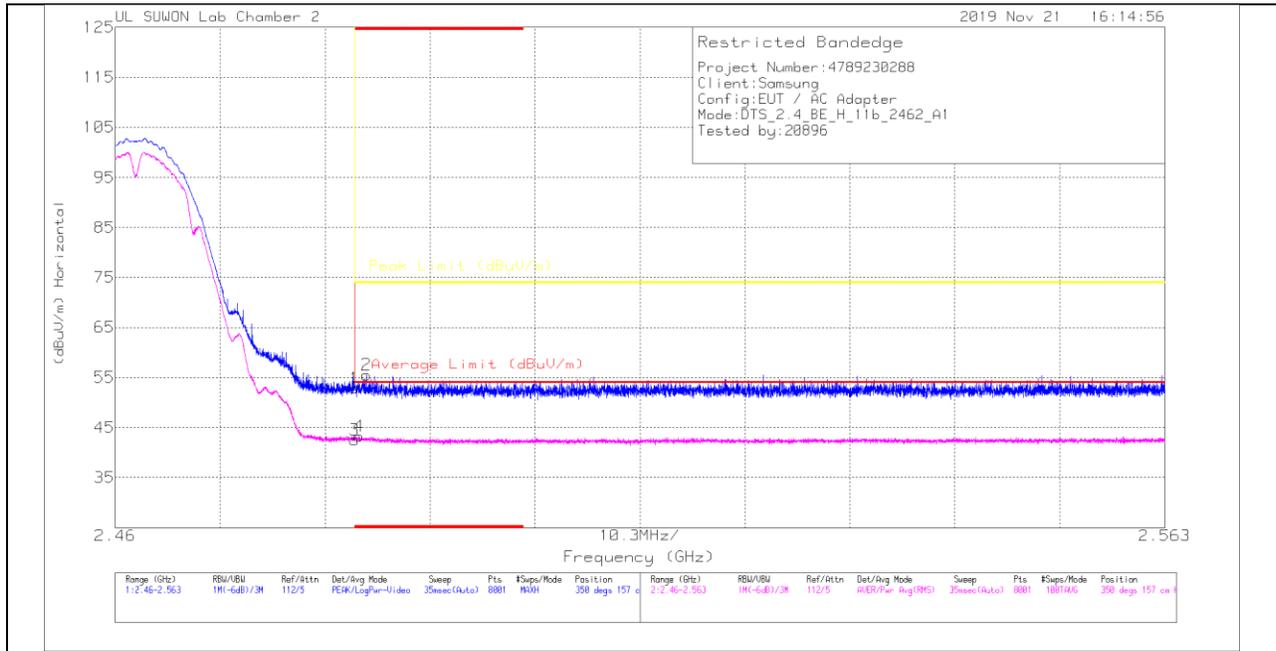
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

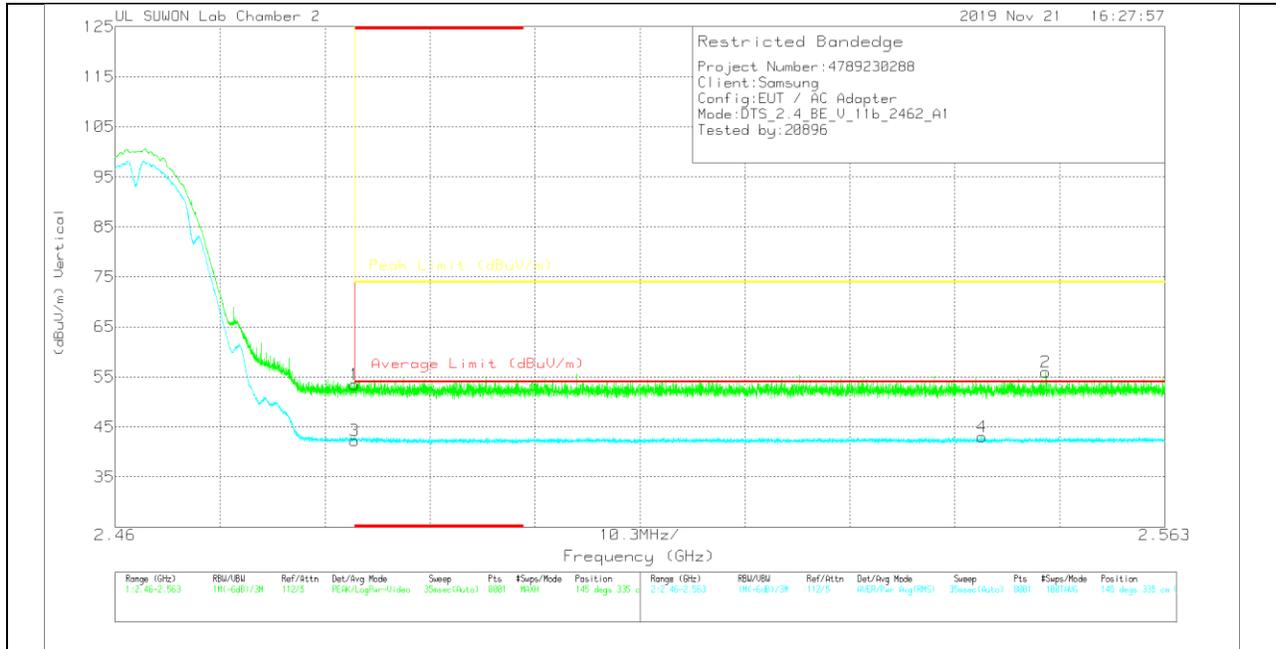
| Marker | Frequency (GHz) | Meter Reading (dBu/m) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBu/m) | Average Limit (dBu/m) | Margin (dB) | Peak Limit (dBu/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|-----------------------|-----|---------------|--------------|--------------|---------------------------|-----------------------|-------------|--------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 41.39 | Pk | 31.9 | -20.4 | 0 | 52.89 | - | - | 74 | -21.11 | 350 | 157 | H |
| 2 | * 2.48464 | 44.05 | Pk | 31.9 | -20.4 | 0 | 55.55 | - | - | 74 | -18.45 | 350 | 157 | H |
| 3 | * 2.48351 | 31.04 | RMS | 31.9 | -20.4 | 0 | 42.54 | 54 | -11.46 | - | - | 350 | 157 | H |
| 4 | * 2.4839 | 31.82 | RMS | 31.9 | -20.4 | 0 | 43.32 | 54 | -10.68 | - | - | 350 | 157 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 41.99 | PK | -31.9 | -20.4 | 0 | 53.49 | - | - | 74 | -20.51 | 145 | 335 | V |
| 2 | 2.51134 | 44.37 | PK | -32 | -20.4 | 0 | 55.97 | - | - | 74 | -18.03 | 145 | 335 | V |
| 3 | * 2.48351 | 30.76 | RMS | -31.9 | -20.4 | 0 | 42.26 | 54 | -11.74 | - | - | 145 | 335 | V |
| 4 | 2.54509 | 31.41 | RMS | -32 | -20.4 | 0 | 43.01 | 54 | -10.99 | - | - | 145 | 335 | V |

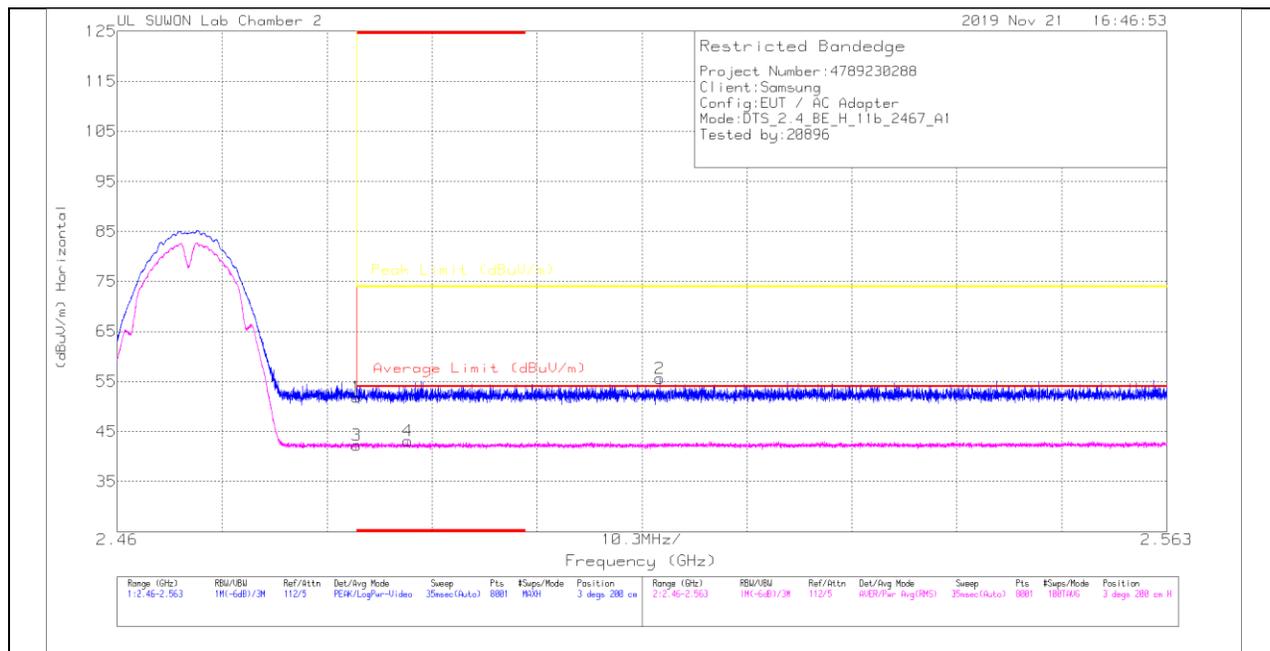
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

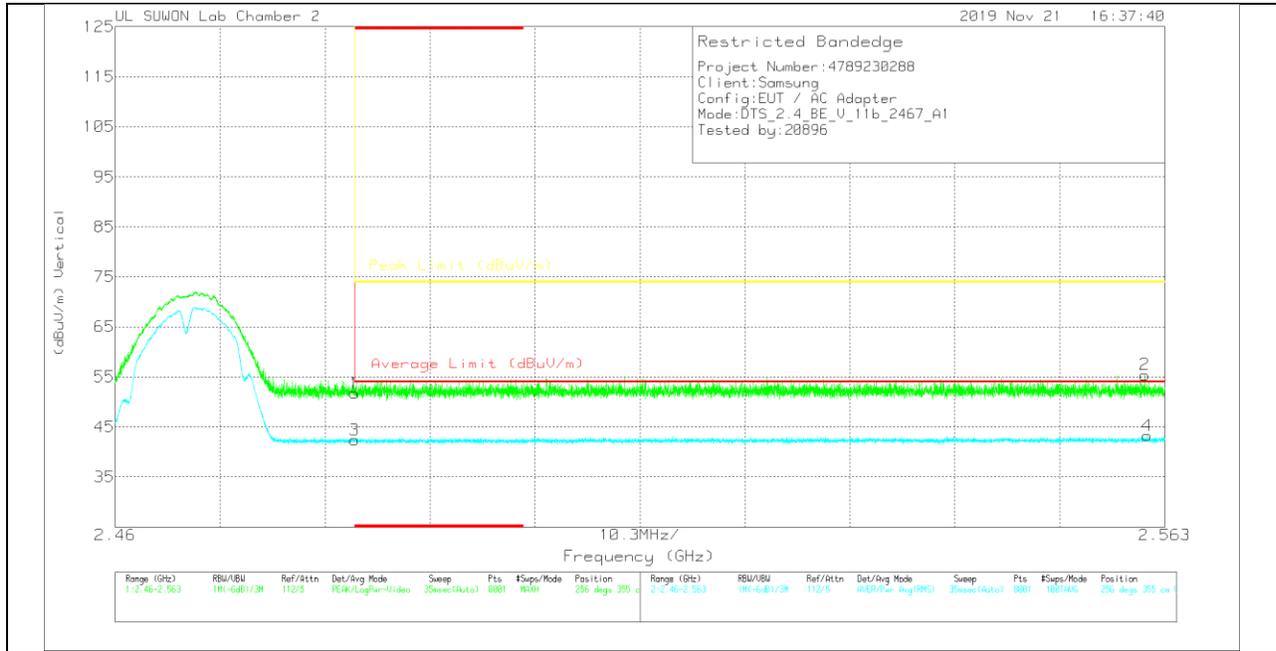
| Marker | Frequency (GHz) | Meter Reading (dBu/m) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBu/m) | Average Limit (dBu/m) | Margin (dB) | Peak Limit (dBu/m) | Pk Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|-----------------------|-----|---------------|--------------|--------------|---------------------------|-----------------------|-------------|--------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 40.37 | Pk | 31.9 | -20.4 | 0 | 51.87 | - | - | 74 | -22.13 | 3 | 200 | H |
| 2 | 2.51323 | 44.14 | Pk | 31.9 | -20.4 | 0 | 55.84 | - | - | 74 | -18.36 | 3 | 200 | H |
| 3 | * 2.48351 | 30.79 | RMS | 31.9 | -20.4 | 0 | 42.29 | 54 | -11.71 | - | - | 3 | 200 | H |
| 4 | * 2.48849 | 31.77 | RMS | 31.9 | -20.5 | 0 | 43.17 | 54 | -10.83 | - | - | 3 | 200 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 40.3 | PK | 31.9 | -20.4 | 0 | 51.8 | - | - | 74 | -22.2 | 256 | 355 | V |
| 2 | 2.56104 | 43.73 | PK | 32 | -20.3 | 0 | 55.43 | - | - | 74 | -18.57 | 256 | 355 | V |
| 3 | * 2.48351 | 30.89 | RMS | 31.9 | -20.4 | 0 | 42.39 | 54 | -11.61 | - | - | 256 | 355 | V |
| 4 | 2.56126 | 31.53 | RMS | 32 | -20.3 | 0 | 43.23 | 54 | -10.77 | - | - | 256 | 355 | V |

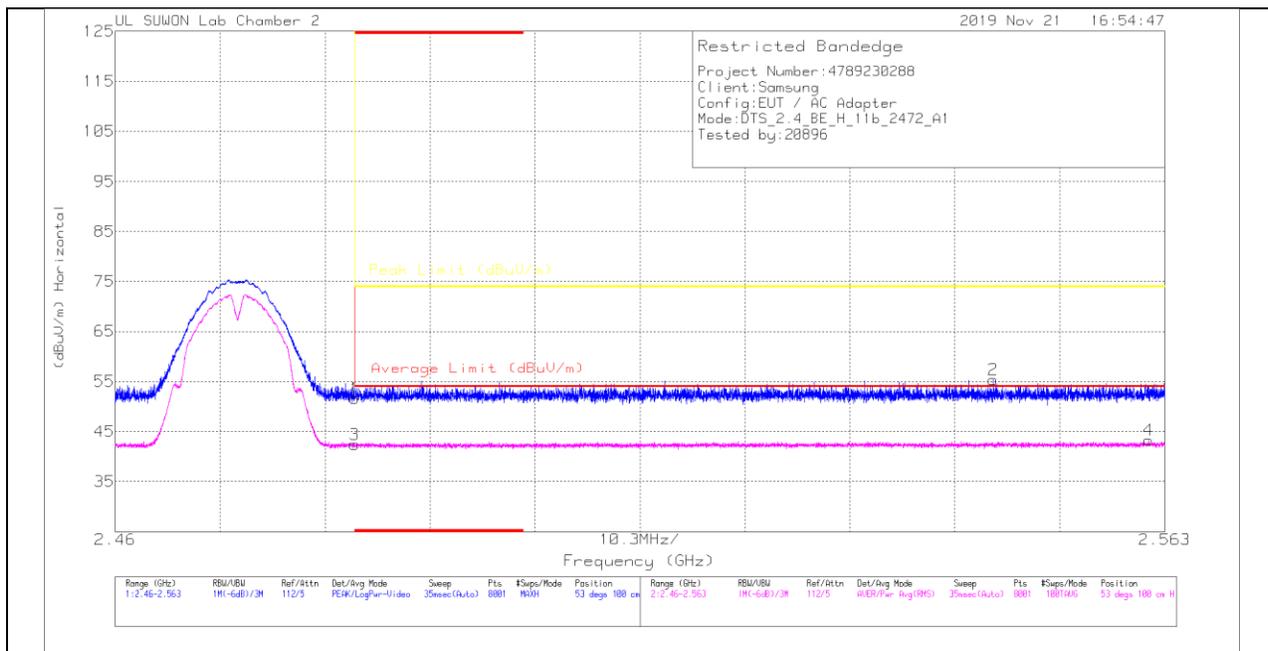
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

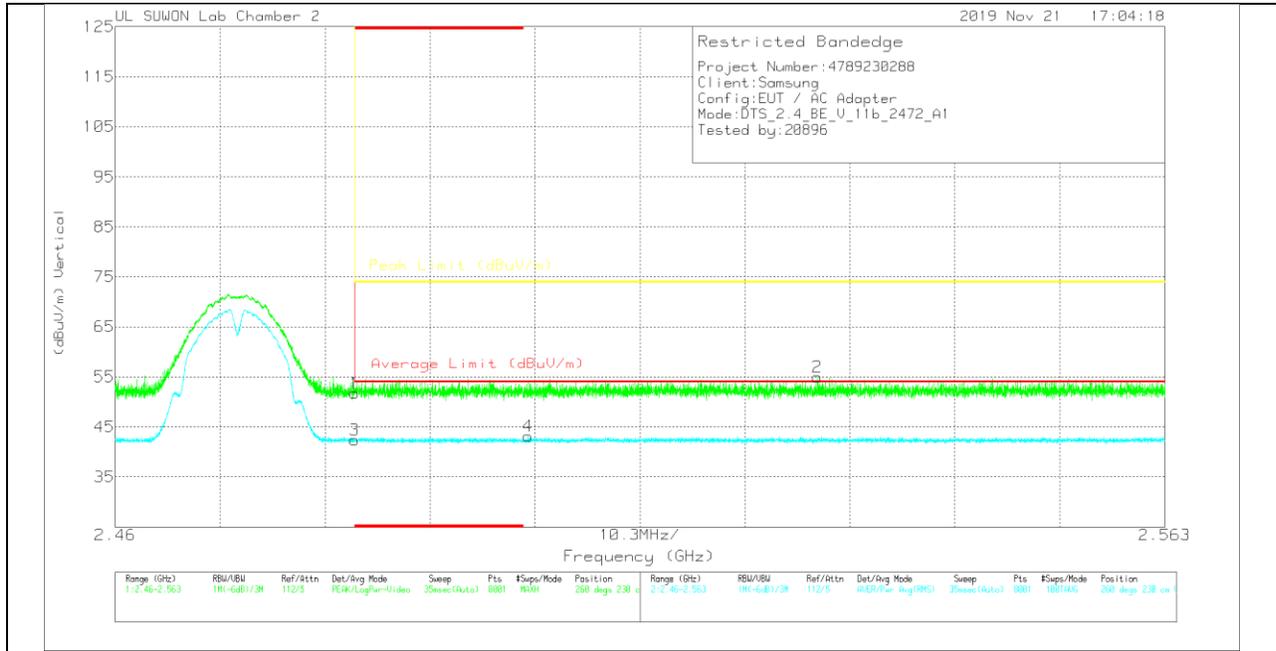
| Marker | Frequency (GHz) | Meter Reading (dBu/m) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBu/m) | Average Limit (dBu/m) | Margin (dB) | Peak Limit (dBu/m) | Pk Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|-----------------------|-----|---------------|--------------|--------------|---------------------------|-----------------------|-------------|--------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 40.09 | Pk | 31.9 | -20.4 | 0 | 51.59 | - | - | 74 | -22.41 | 53 | 100 | H |
| 2 | 2.54619 | 43.72 | Pk | 32 | -20.4 | 0 | 55.32 | - | - | 74 | -18.68 | 53 | 100 | H |
| 3 | * 2.48351 | 30.87 | RMS | 31.9 | -20.4 | 0 | 42.37 | 54 | -11.63 | - | - | 53 | 100 | H |
| 4 | 2.56139 | 31.63 | RMS | 32 | -20.4 | 0 | 43.23 | 54 | -10.77 | - | - | 53 | 100 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 40.28 | PK | 31.9 | -20.4 | 0 | 51.78 | - | - | 74 | -22.22 | 260 | 230 | V |
| 2 | 2.52891 | 43.38 | PK | 32 | -20.4 | 0 | 54.98 | - | - | 74 | -19.02 | 260 | 230 | V |
| 3 | * 2.48351 | 30.85 | RMS | 31.9 | -20.4 | 0 | 42.35 | 54 | -11.65 | - | - | 260 | 230 | V |
| 4 | 2.50052 | 31.8 | RMS | 31.9 | -20.5 | 0 | 43.2 | 54 | -10.8 | - | - | 260 | 230 | V |

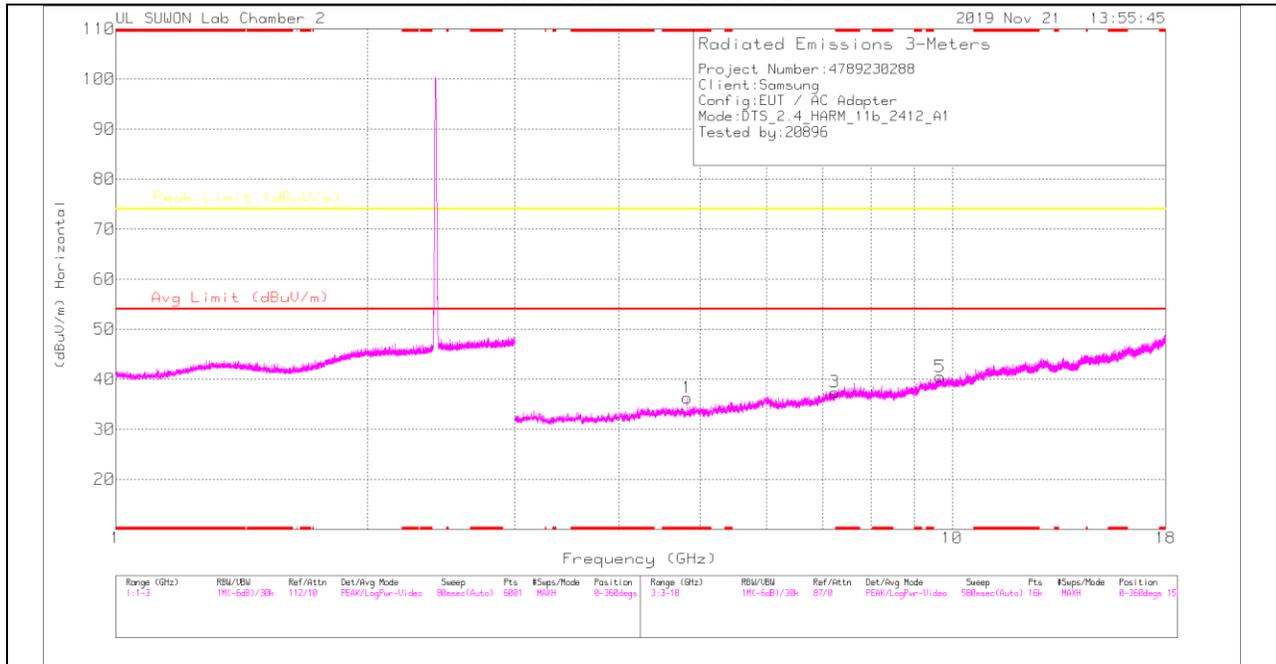
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

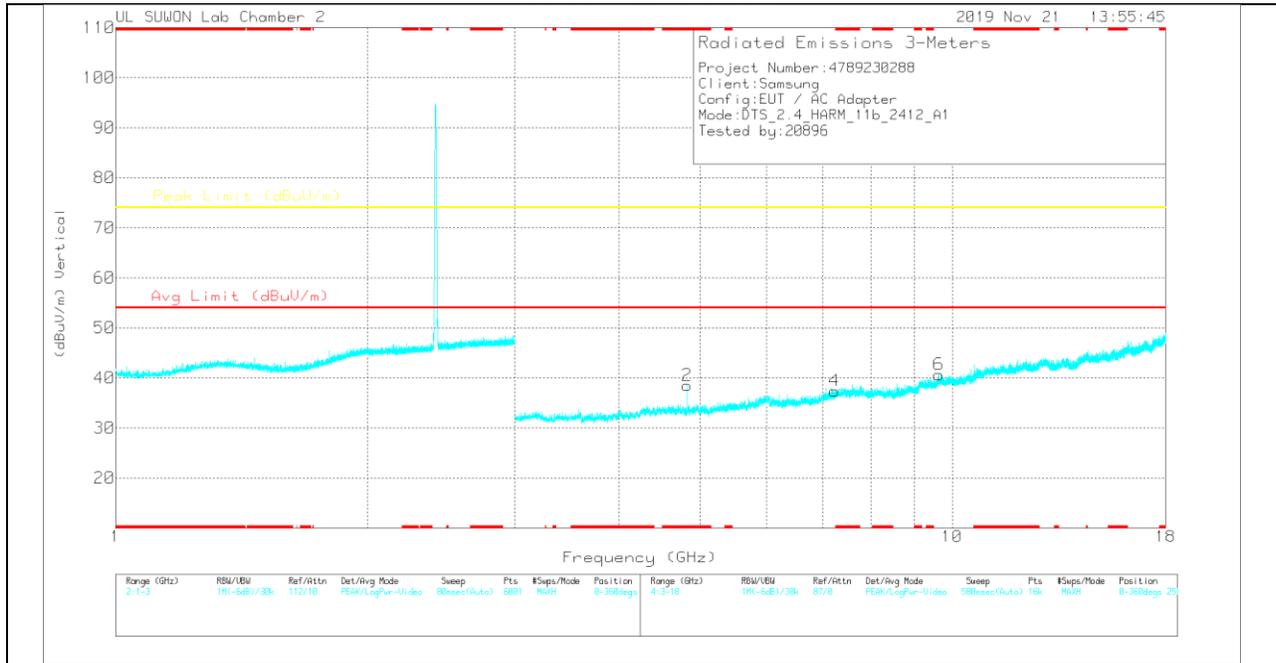
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

1 CHANNEL HORIZONTAL



1 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

1 CHANNEL DATA

Radiated Emissions

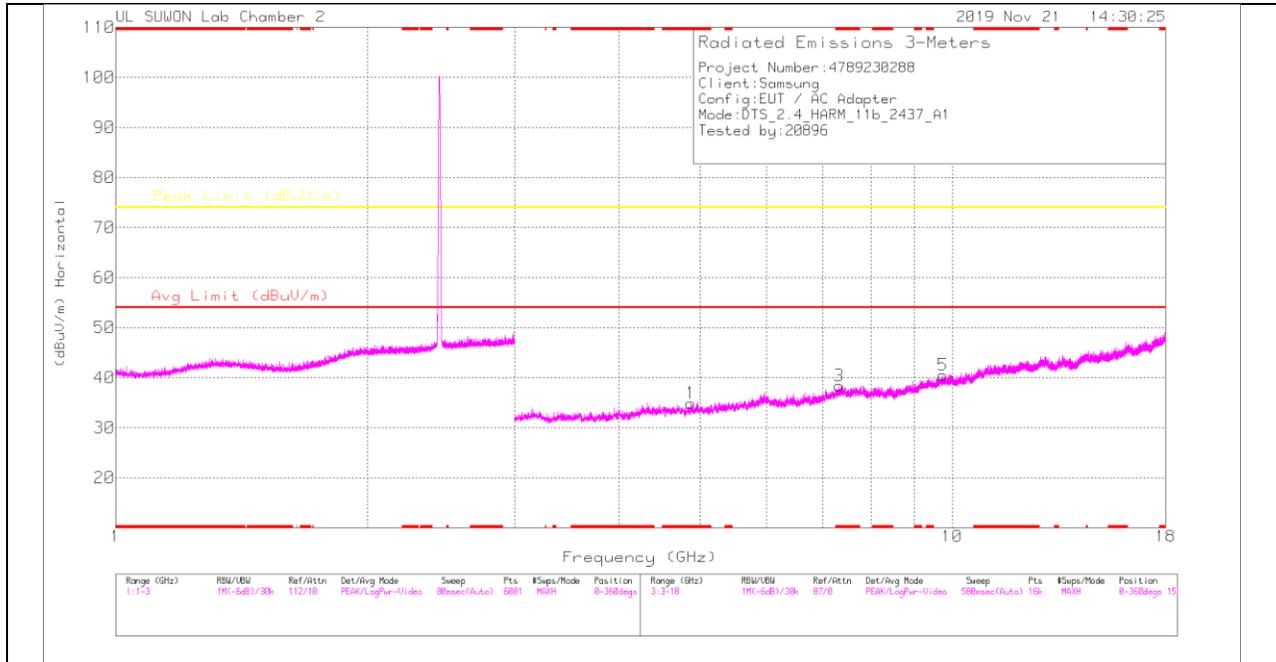
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_0016872_4 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.82396 | 38.35 | PK2 | 34 | -28.1 | 0 | 44.25 | - | - | 74 | -29.75 | 143 | 103 | H |
| * 4.82404 | 29.93 | MAv1 | 34 | -28.1 | 0 | 35.83 | 54 | -18.17 | - | - | 143 | 103 | H |
| * 4.82408 | 39.89 | PK2 | 34 | -28.1 | 0 | 45.79 | - | - | 74 | -28.21 | 146 | 103 | V |
| * 4.824 | 33.48 | MAv1 | 34 | -28.1 | 0 | 39.38 | 54 | -14.62 | - | - | 146 | 103 | V |
| 7.23852 | 34.64 | PK2 | 36.1 | -25.4 | 0 | 45.34 | - | - | 74 | -28.66 | 0 | 100 | H |
| 7.2374 | 35.18 | PK2 | 36.1 | -25.4 | 0 | 45.88 | - | - | 74 | -28.12 | 0 | 100 | V |
| 9.67344 | 32.55 | PK2 | 37.1 | -21.2 | 0 | 48.45 | - | - | 74 | -25.55 | 0 | 100 | H |
| 9.67274 | 32.24 | PK2 | 37.1 | -21.3 | 0 | 48.04 | - | - | 74 | -25.96 | 0 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

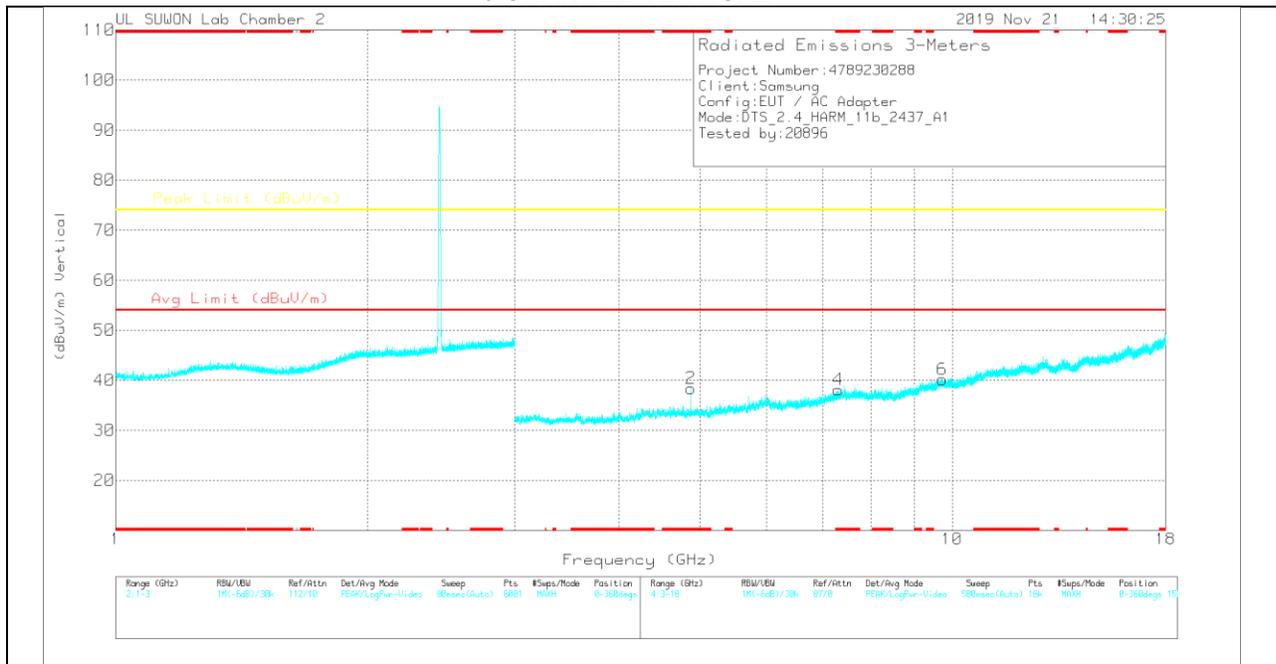
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

6 CHANNEL HORIZONTAL



6 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

6 CHANNEL DATA

Radiated Emissions

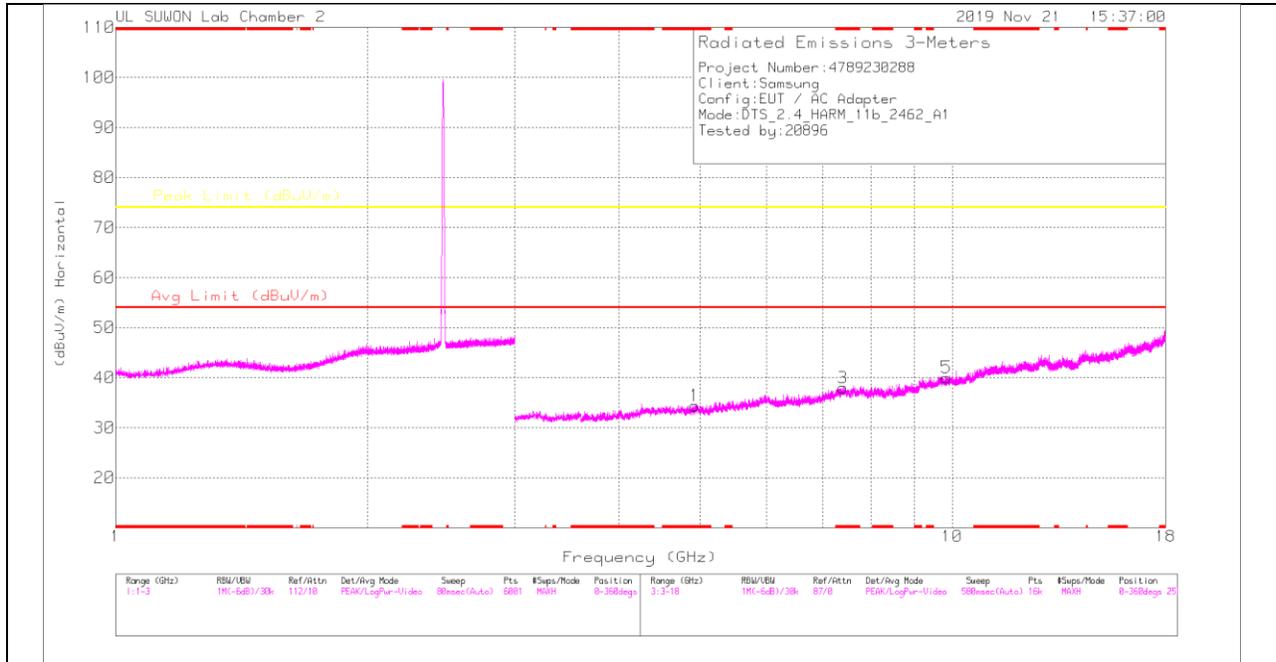
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_0016872_4 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.87418 | 38.15 | PK2 | 34 | -27.9 | 0 | 44.25 | - | - | 74 | -29.75 | 139 | 102 | H |
| * 4.87402 | 30.05 | MAv1 | 34 | -27.9 | 0 | 36.15 | 54 | -17.85 | - | - | 139 | 102 | H |
| * 4.87402 | 39.11 | PK2 | 34 | -27.9 | 0 | 45.21 | - | - | 74 | -28.79 | 149 | 101 | V |
| * 4.87402 | 32.06 | MAv1 | 34 | -27.9 | 0 | 38.16 | 54 | -15.84 | - | - | 149 | 101 | V |
| * 7.32442 | 34.1 | PK2 | 36.2 | -24.8 | 0 | 45.5 | - | - | 74 | -28.5 | 0 | 100 | H |
| * 7.32379 | 34.87 | PK2 | 36.2 | -24.8 | 0 | 46.27 | - | - | 74 | -27.73 | 0 | 100 | V |
| 9.75052 | 32.43 | PK2 | 37.2 | -21.2 | 0 | 48.43 | - | - | 74 | -25.57 | 0 | 100 | H |
| 9.75119 | 32.61 | PK2 | 37.2 | -21.2 | 0 | 48.61 | - | - | 74 | -25.39 | 0 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

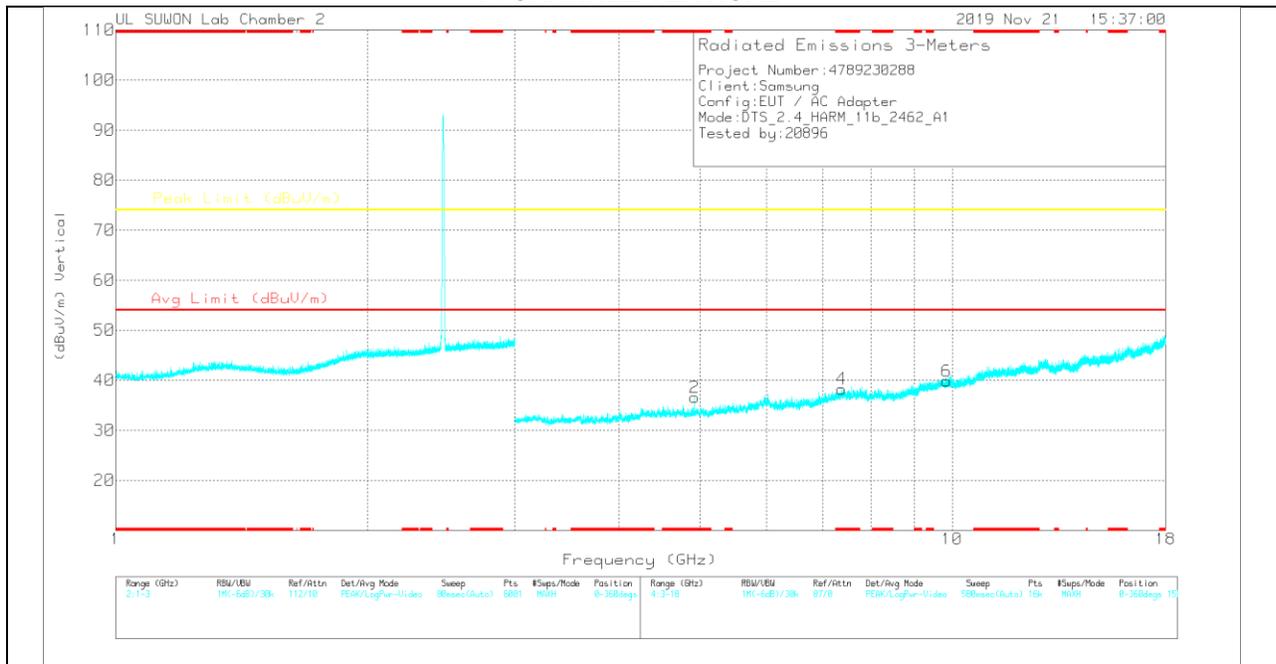
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

11 CHANNEL HORIZONTAL



11 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

11 CHANNEL DATA

Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_0016872 4 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.92387 | 36.66 | PK2 | 34 | -27.2 | 0 | 43.46 | - | - | 74 | -30.54 | 139 | 100 | H |
| * 4.92407 | 27.76 | MAv1 | 34 | -27.2 | 0 | 34.56 | 54 | -19.44 | - | - | 139 | 100 | H |
| * 4.92391 | 38.17 | PK2 | 34 | -27.2 | 0 | 44.97 | - | - | 74 | -29.03 | 178 | 100 | V |
| * 4.92403 | 30.32 | MAv1 | 34 | -27.2 | 0 | 37.12 | 54 | -16.88 | - | - | 178 | 100 | V |
| * 7.40484 | 34.56 | PK2 | 36.2 | -24.1 | 0 | 46.66 | - | - | 74 | -27.34 | 0 | 100 | H |
| * 7.40441 | 34.18 | PK2 | 36.2 | -24.1 | 0 | 46.28 | - | - | 74 | -27.72 | 0 | 100 | V |
| 9.84336 | 32.6 | PK2 | 37.3 | -21.6 | 0 | 48.3 | - | - | 74 | -25.7 | 0 | 100 | H |
| 9.84402 | 32.95 | PK2 | 37.3 | -21.6 | 0 | 48.65 | - | - | 74 | -25.35 | 0 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

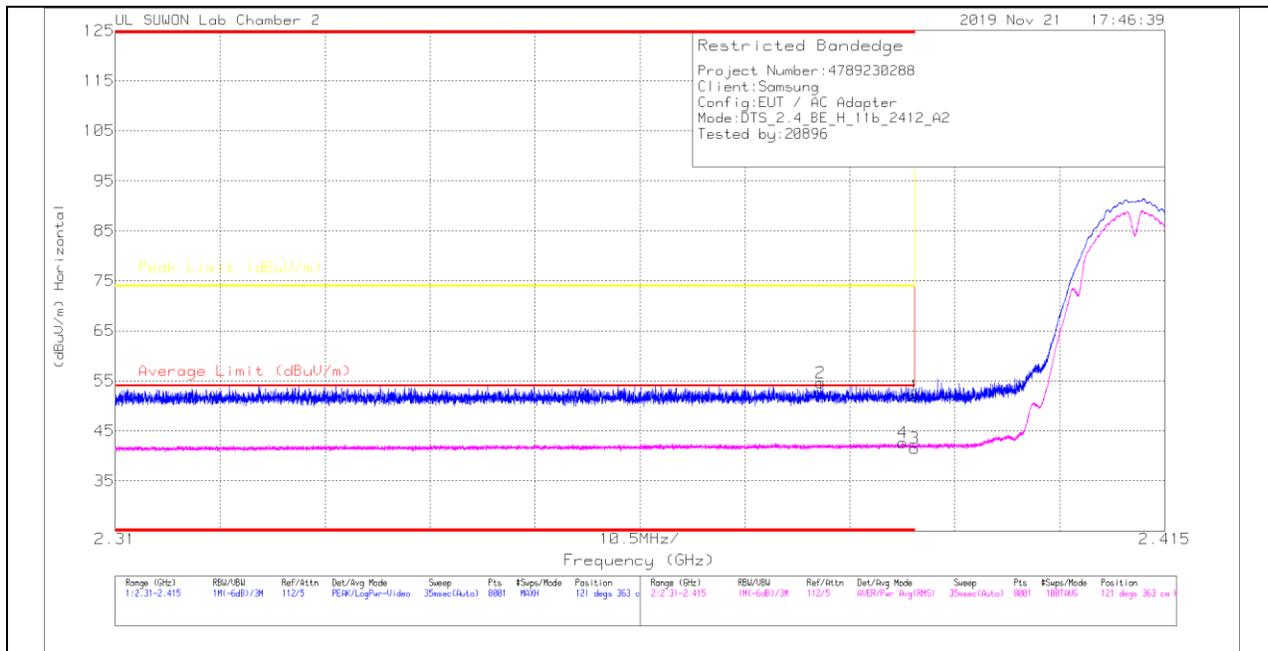
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

11.2.2. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND ANT2

RESTRICTED BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

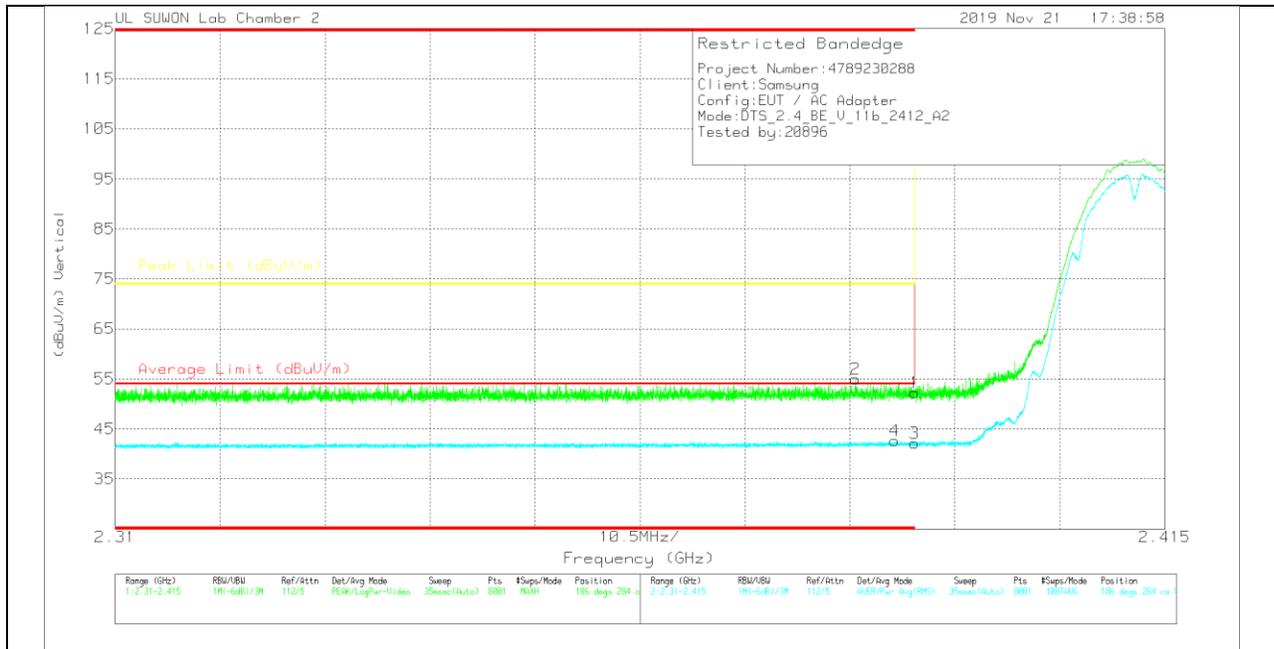
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Asimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 41.01 | Pk | 31.6 | -20.6 | 0 | 52.01 | - | - | 74 | -21.99 | 121 | 363 | H |
| 2 | * 2.38057 | 43.61 | Pk | 31.6 | -20.6 | 0 | 54.61 | - | - | 74 | -19.39 | 121 | 363 | H |
| 3 | * 2.39 | 30.56 | RMS | 31.6 | -20.6 | 0 | 41.56 | 54 | -12.44 | - | - | 121 | 363 | H |
| 4 | * 2.38882 | 31.61 | RMS | 31.6 | -20.6 | 0 | 42.61 | 54 | -11.39 | - | - | 121 | 363 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 41.25 | PK | 31.6 | -20.6 | 0 | 52.25 | - | - | 74 | -21.75 | 186 | 284 | V |
| 2 | * 2.38408 | 43.99 | PK | 31.6 | -20.6 | 0 | 54.99 | - | - | 74 | -19.01 | 186 | 284 | V |
| 3 | * 2.39 | 31.19 | RMS | 31.6 | -20.6 | 0 | 42.19 | 54 | -11.81 | - | - | 186 | 284 | V |
| 4 | * 2.38798 | 31.62 | RMS | 31.6 | -20.6 | 0 | 42.62 | 54 | -11.38 | - | - | 186 | 284 | V |

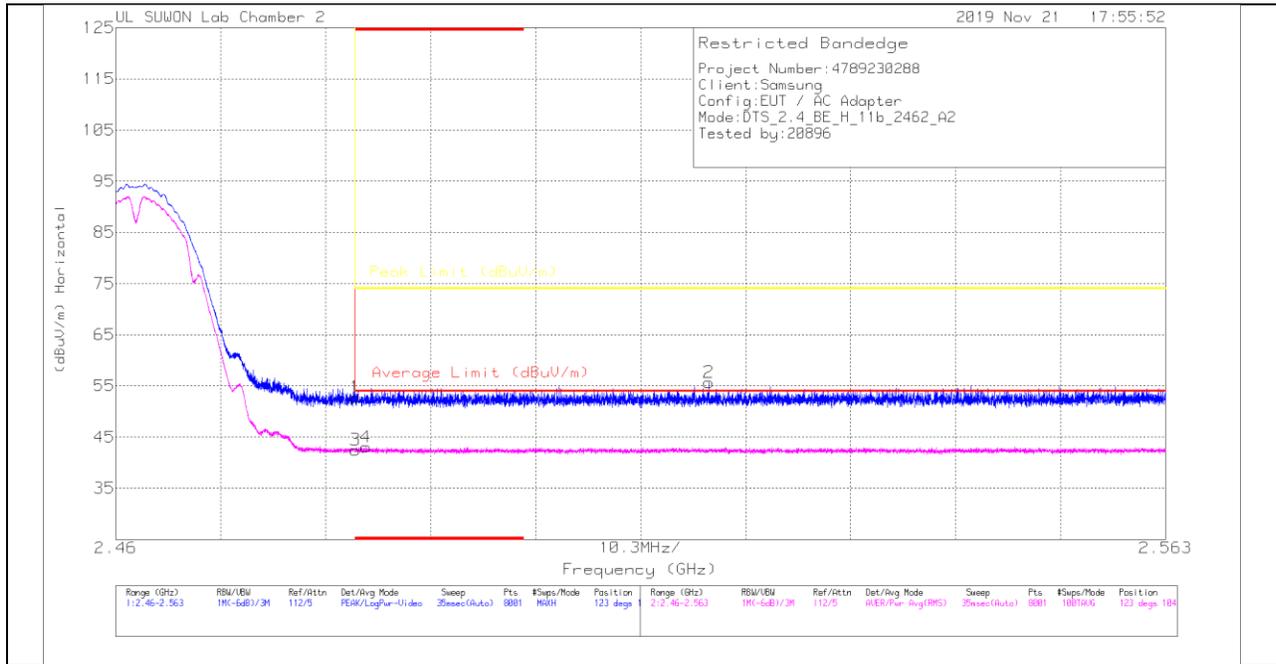
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

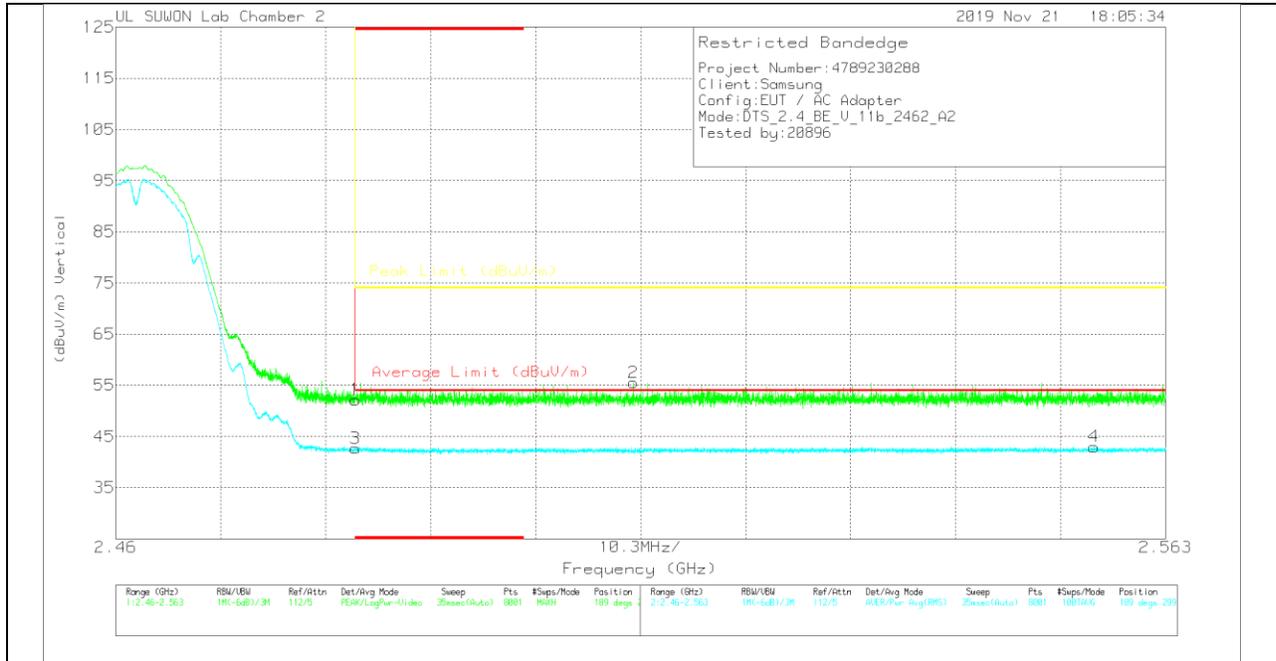
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 41.27 | Pk | 31.9 | -20.4 | 0 | 52.77 | - | - | 74 | -21.23 | 123 | 104 | H |
| 2 | 2.51818 | 44.19 | Pk | 31.9 | -20.4 | 0 | 55.89 | - | - | 74 | -18.31 | 123 | 104 | H |
| 3 | * 2.48351 | 30.99 | RMS | 31.9 | -20.4 | 0 | 42.49 | 54 | -11.51 | - | - | 123 | 104 | H |
| 4 | * 2.48455 | 31.54 | RMS | 31.9 | -20.4 | 0 | 43.04 | 54 | -10.96 | - | - | 123 | 104 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 40.64 | Pk | 31.9 | -20.4 | 0 | 52.14 | - | - | 74 | -21.86 | 189 | 299 | V |
| 2 | 2.51077 | 44.11 | Pk | 31.9 | -20.5 | 0 | 55.51 | - | - | 74 | -18.49 | 189 | 299 | V |
| 3 | * 2.48351 | 31.18 | RMS | 31.9 | -20.4 | 0 | 42.68 | 54 | -11.32 | - | - | 189 | 299 | V |
| 4 | 2.55597 | 31.4 | RMS | 32 | -20.4 | 0 | 43 | 54 | -11 | - | - | 189 | 299 | V |

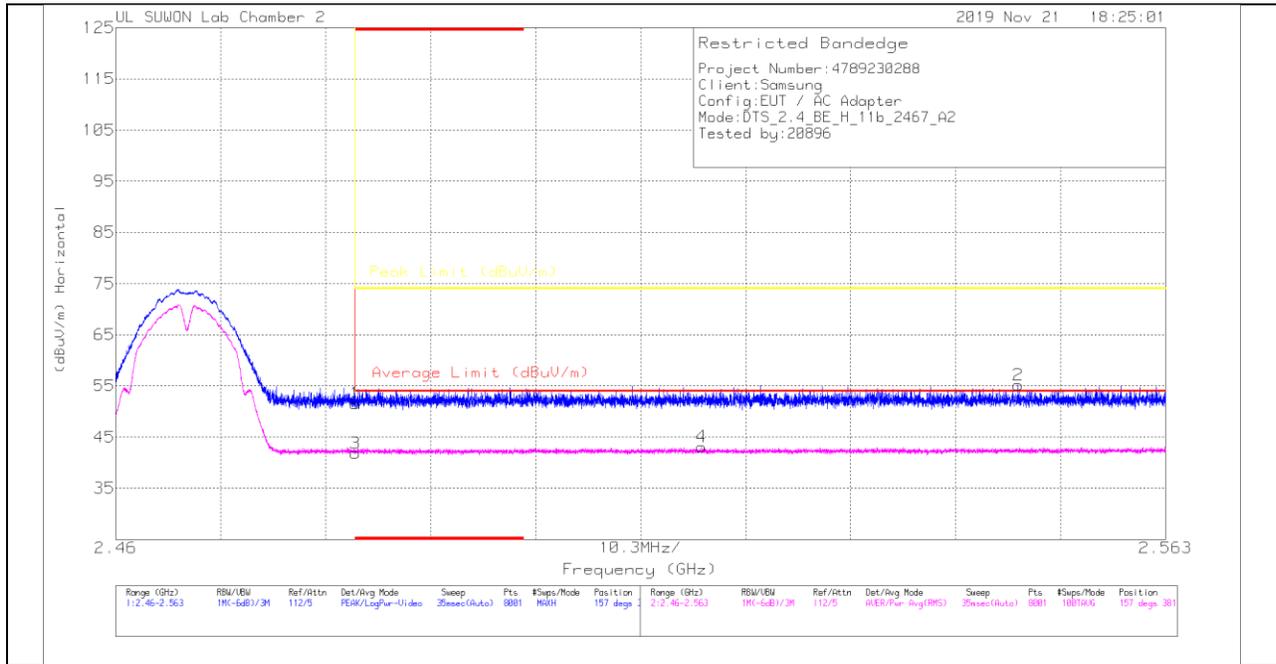
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

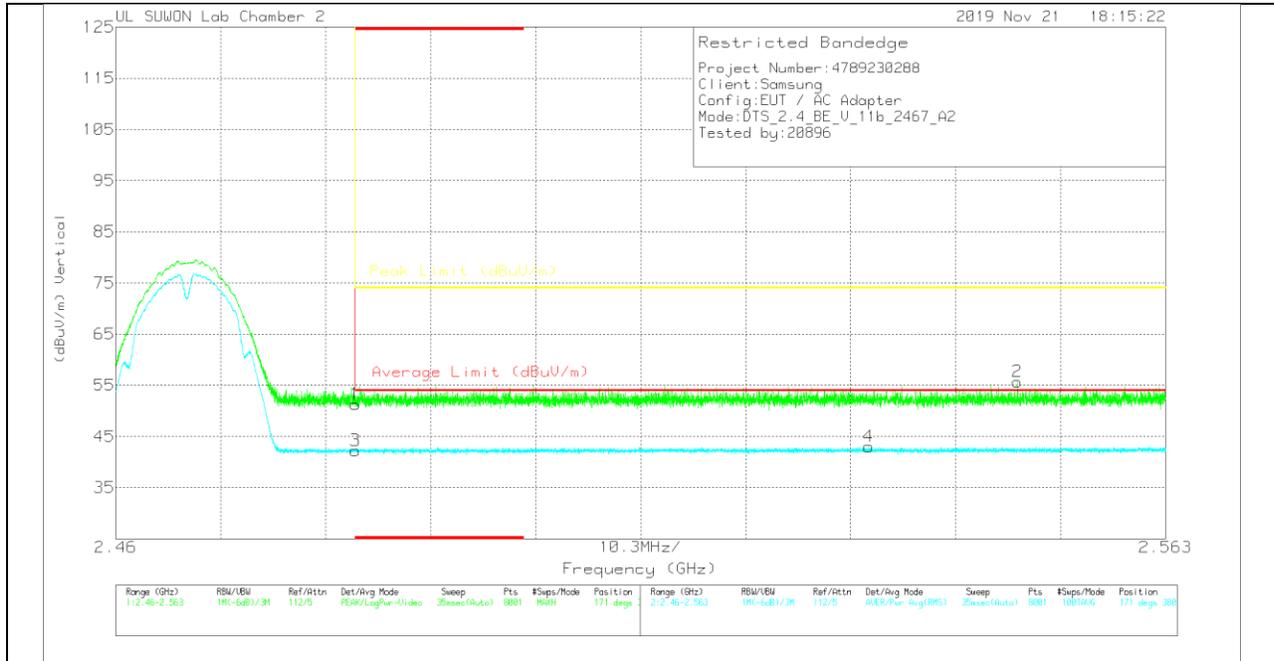
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 40.05 | Pk | 31.9 | -20.4 | 0 | 51.55 | - | - | 74 | -22.45 | 157 | 381 | H |
| 2 | 2.54854 | 43.57 | Pk | 32 | -20.4 | 0 | 55.17 | - | - | 74 | -18.83 | 157 | 381 | H |
| 3 | * 2.48351 | 30.33 | RMS | 31.9 | -20.4 | 0 | 41.83 | 54 | -12.17 | - | - | 157 | 381 | H |
| 4 | 2.51747 | 31.6 | RMS | 31.9 | -20.4 | 0 | 43.1 | 54 | -10.9 | - | - | 157 | 381 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 39.81 | Pk | 31.9 | -20.4 | 0 | 51.31 | - | - | 74 | -22.69 | 171 | 380 | V |
| 2 | 2.54848 | 44.12 | Pk | 32 | -20.4 | 0 | 55.72 | - | - | 74 | -18.28 | 171 | 380 | V |
| 3 | * 2.48351 | 30.75 | RMS | 31.9 | -20.4 | 0 | 42.25 | 54 | -11.75 | - | - | 171 | 380 | V |
| 4 | 2.53388 | 31.43 | RMS | 32 | -20.4 | 0 | 43.03 | 54 | -10.97 | - | - | 171 | 380 | V |

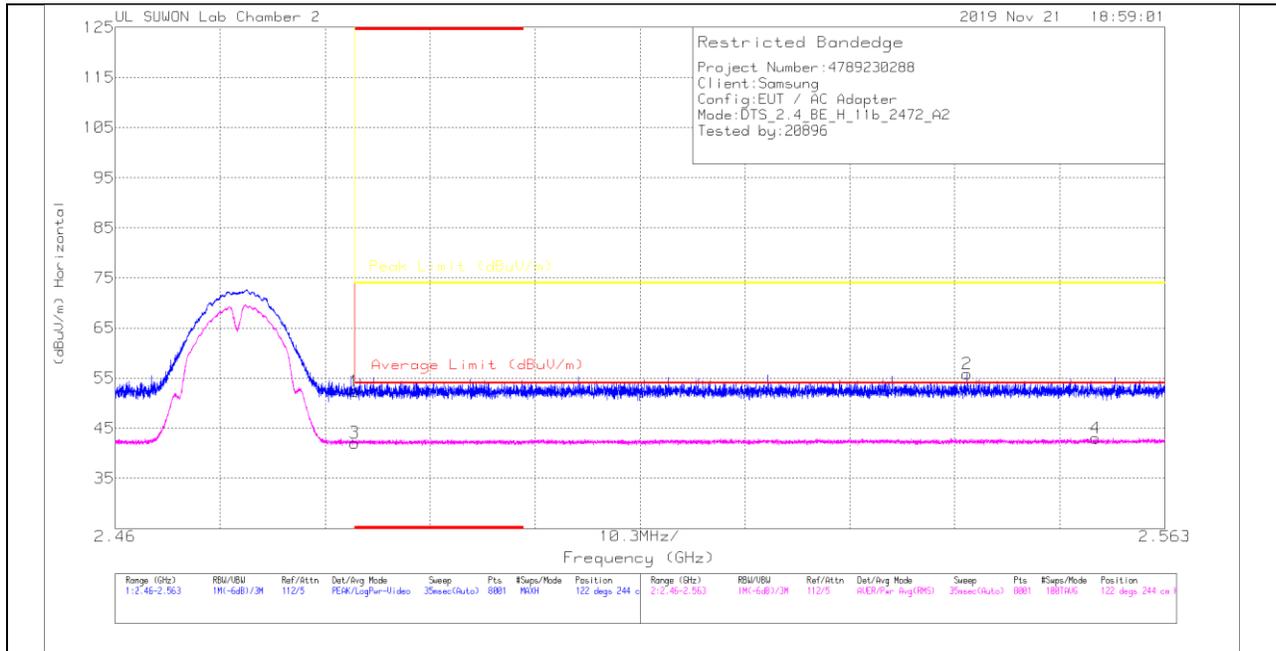
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

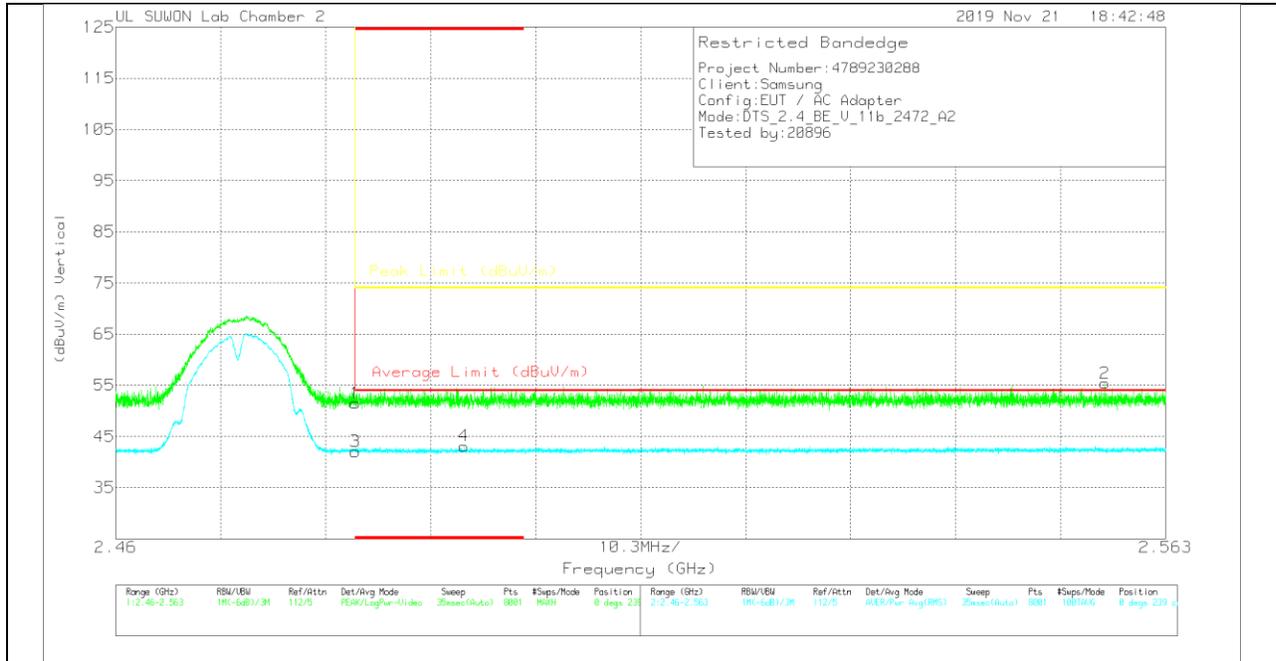
| Marker | Frequency (GHz) | Meter Reading (dBu/m) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBu/m) | Average Limit (dBu/m) | Margin (dB) | Peak Limit (dBu/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|-----------------------|-----|---------------|--------------|--------------|---------------------------|-----------------------|-------------|--------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 40.93 | Pk | 31.9 | -20.4 | 0 | 52.43 | - | - | 74 | -21.57 | 122 | 244 | H |
| 2 | 2.54362 | 44.23 | Pk | 32 | -20.4 | 0 | 55.83 | - | - | 74 | -18.17 | 122 | 244 | H |
| 3 | * 2.48351 | 30.59 | RMS | 31.9 | -20.4 | 0 | 42.09 | 54 | -11.91 | - | - | 122 | 244 | H |
| 4 | 2.55623 | 31.46 | RMS | 32 | -20.4 | 0 | 43.06 | 54 | -10.94 | - | - | 122 | 244 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 39.98 | Pk | 31.9 | -20.4 | 0 | 51.48 | - | - | 74 | -22.52 | 0 | 239 | V |
| 2 | 2.55703 | 43.92 | Pk | 32 | -20.5 | 0 | 55.42 | - | - | 74 | -18.58 | 0 | 239 | V |
| 3 | * 2.48351 | 30.56 | RMS | 31.9 | -20.4 | 0 | 42.06 | 54 | -11.94 | - | - | 0 | 239 | V |
| 4 | * 2.49414 | 31.73 | RMS | 31.9 | -20.5 | 0 | 43.13 | 54 | -10.87 | - | - | 0 | 239 | V |

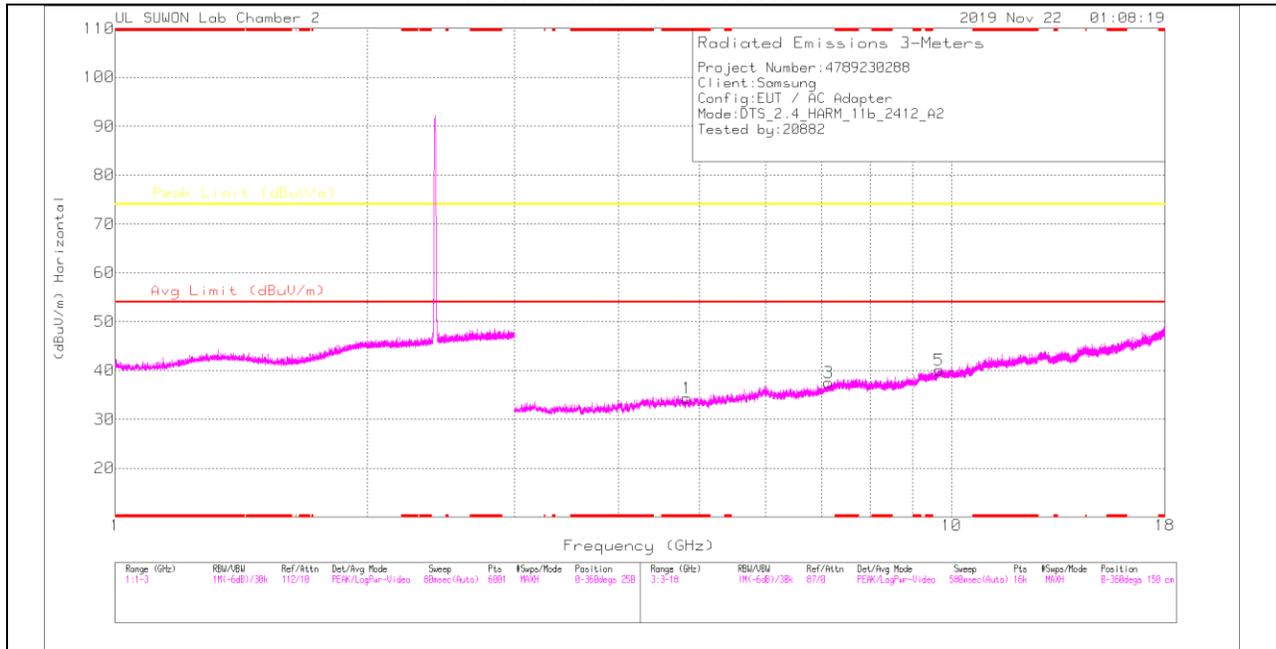
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

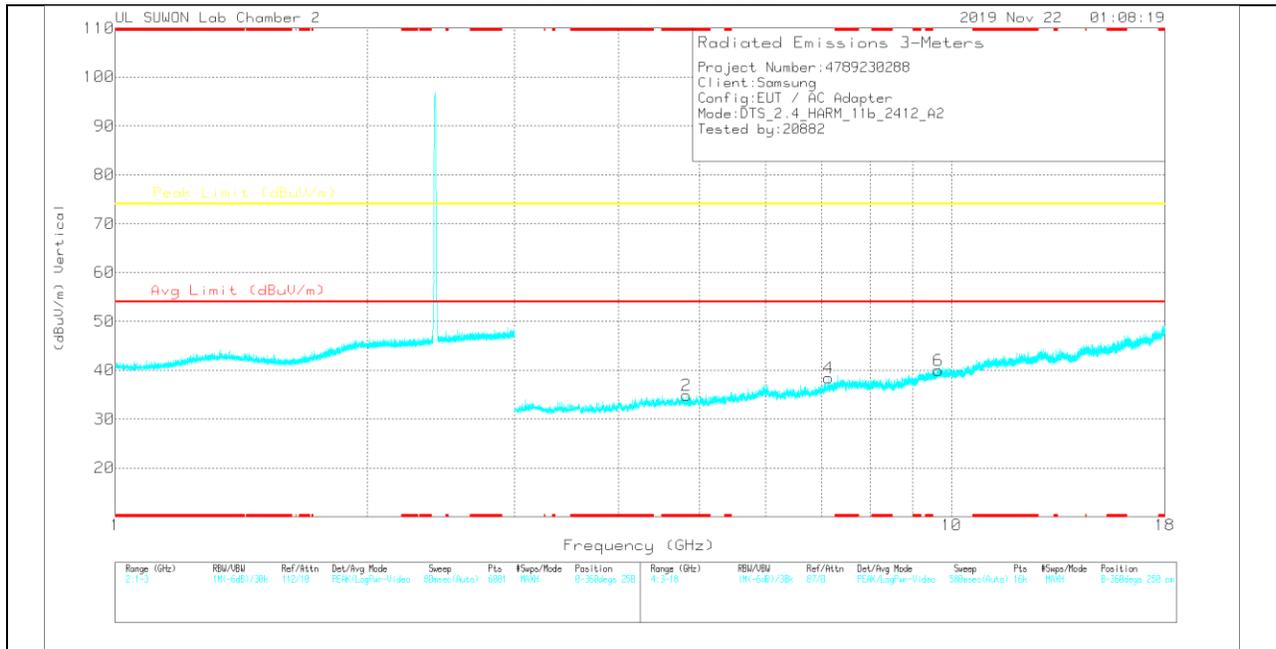
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

1 CHANNEL HORIZONTAL



1 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

1 CHANNEL DATA

Radiated Emissions

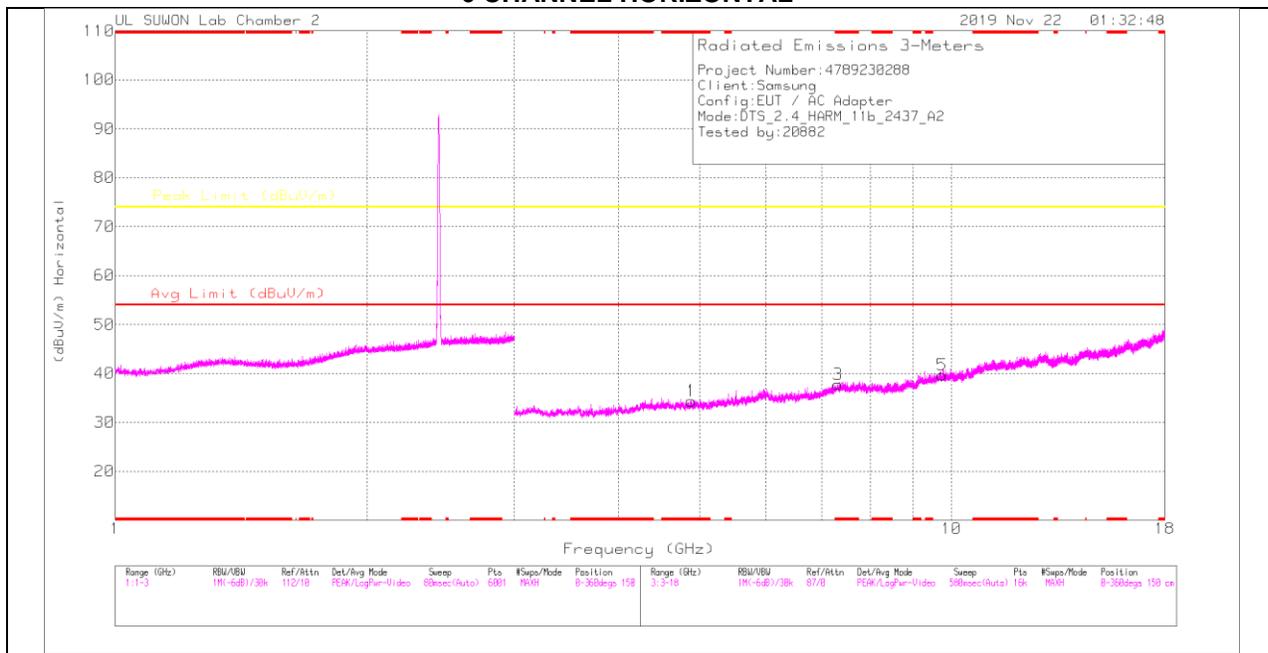
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.82795 | 37.04 | PK2 | 34 | -28.1 | 0 | 42.94 | - | - | 74 | -31.06 | 360 | 100 | H |
| * 4.82611 | 37.38 | PK2 | 34 | -28.1 | 0 | 43.28 | - | - | 74 | -30.72 | 360 | 100 | V |
| 7.23804 | 36.19 | PK2 | 36.1 | -25.4 | 0 | 46.89 | - | - | 74 | -27.11 | 109 | 104 | H |
| 7.23648 | 36.06 | PK2 | 36.1 | -25.4 | 0 | 46.76 | - | - | 74 | -27.24 | 201 | 100 | V |
| 9.66122 | 32.7 | PK2 | 37.1 | -21.4 | 0 | 48.4 | - | - | 74 | -25.6 | 0 | 100 | H |
| 9.66246 | 33.04 | PK2 | 37.1 | -21.4 | 0 | 48.74 | - | - | 74 | -25.26 | 0 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

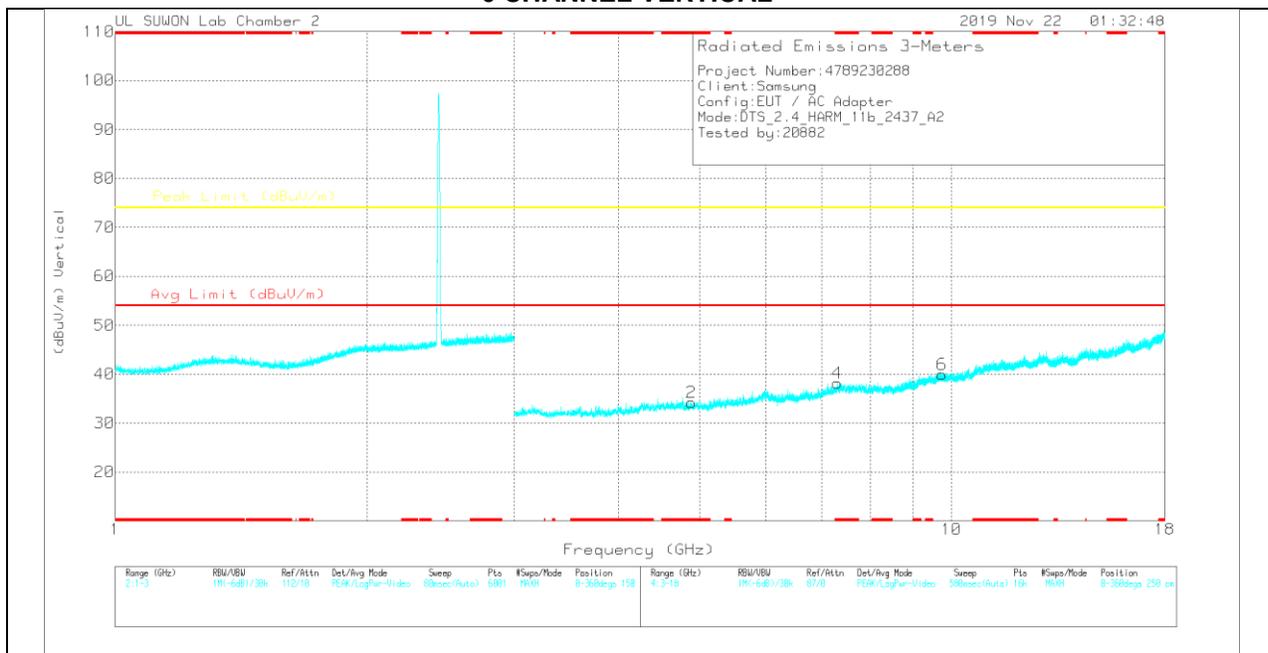
PK2 - KDB558074 Method: Maximum Peak

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

6 CHANNEL HORIZONTAL



6 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

6 CHANNEL DATA

Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.89017 | 35.93 | PK2 | 34 | -27.7 | 0 | 42.23 | - | - | 74 | -31.77 | 0 | 100 | H |
| * 4.89023 | 37.92 | PK2 | 34 | -27.7 | 0 | 44.22 | - | - | 74 | -29.78 | 0 | 100 | V |
| * 7.31453 | 35.39 | PK2 | 36.2 | -24.9 | 0 | 46.69 | - | - | 74 | -27.31 | 0 | 100 | H |
| * 7.31549 | 34.4 | PK2 | 36.2 | -24.8 | 0 | 45.8 | - | - | 74 | -28.2 | 0 | 100 | V |
| 9.74882 | 32.48 | PK2 | 37.2 | -21.2 | 0 | 48.48 | - | - | 74 | -25.52 | 0 | 100 | H |
| 9.74952 | 32.26 | PK2 | 37.2 | -21.2 | 0 | 48.26 | - | - | 74 | -25.74 | 0 | 100 | V |

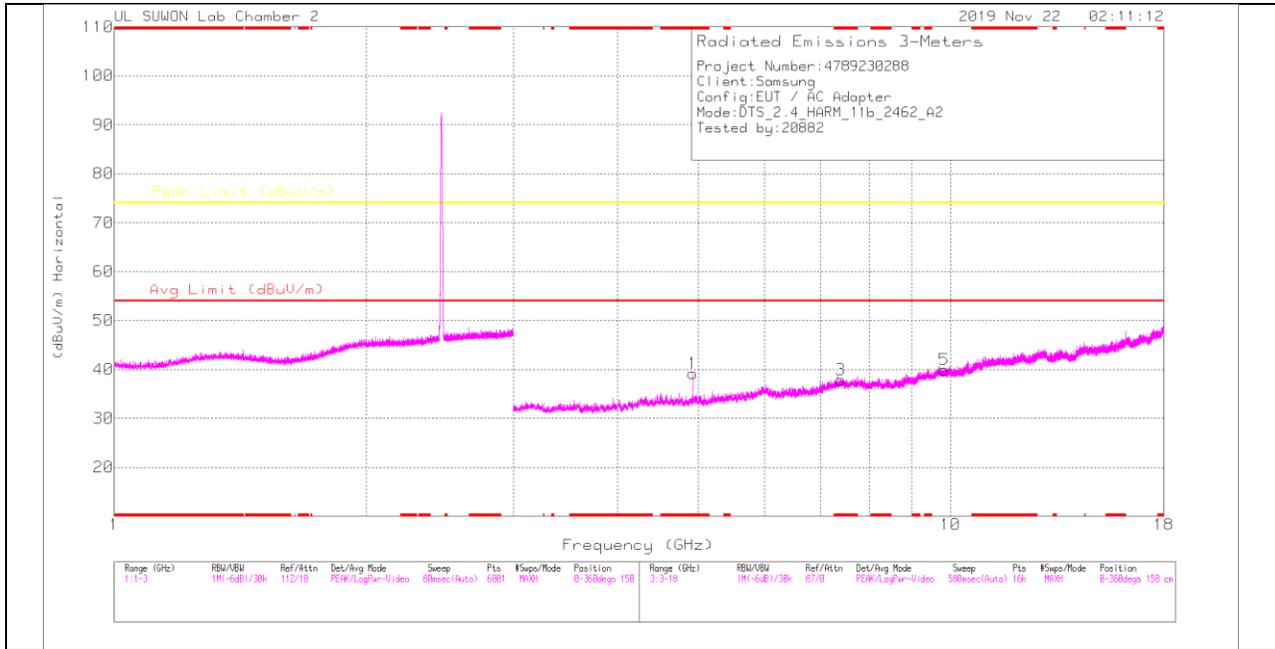
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

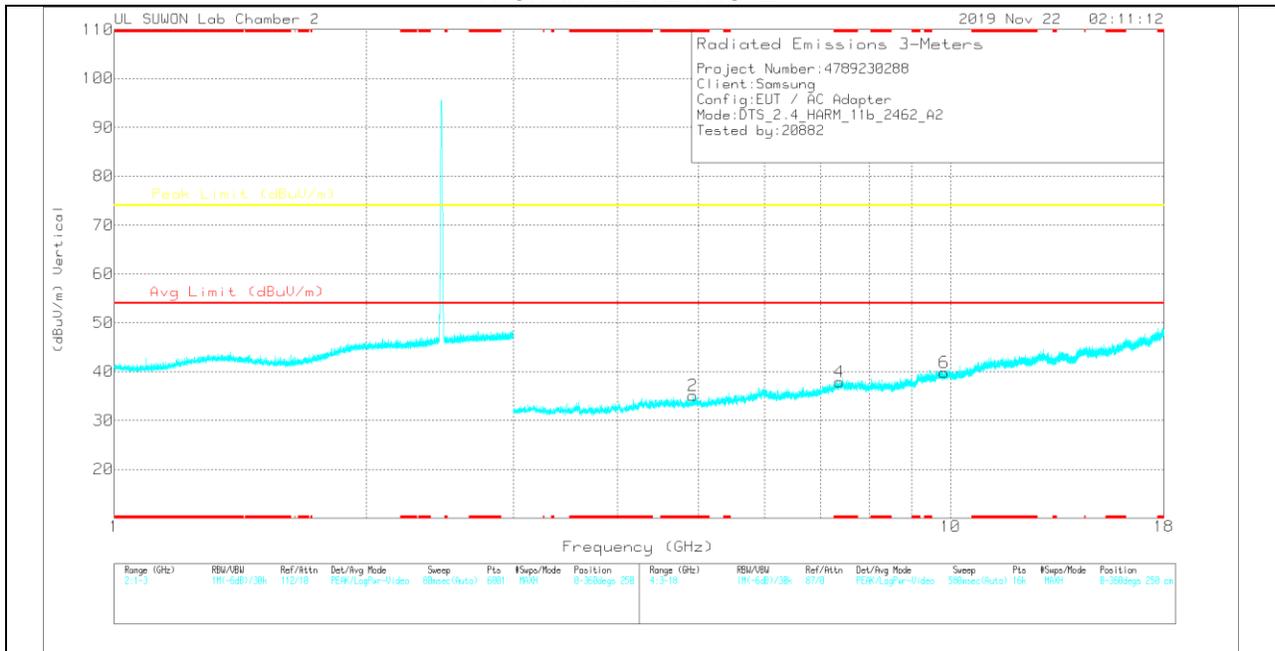
MAv1 - KDB558074 Option 1 Maximum RMS Average

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

11 CHANNEL HORIZONTAL



11 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

11 CHANNEL DATA

Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_0016872_4 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|----------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.92407 | 38.36 | PK2 | 34 | -27.2 | 0 | 45.16 | - | - | 74 | -28.84 | 194 | 249 | H |
| * 4.92403 | 31.38 | MAv1 | 34 | -27.2 | 0 | 38.18 | 54 | -15.82 | - | - | 194 | 249 | H |
| * 4.92393 | 36.75 | PK2 | 34 | -27.2 | 0 | 43.55 | - | - | 74 | -30.45 | 153 | 104 | V |
| * 4.92393 | 27.37 | MAv1 | 34 | -27.2 | 0 | 34.17 | 54 | -19.83 | - | - | 153 | 104 | V |
| * 7.39939 | 34.42 | PK2 | 36.2 | -24.1 | 0 | 46.52 | - | - | 74 | -27.48 | 0 | 100 | H |
| * 7.39944 | 34.54 | PK2 | 36.2 | -24.1 | 0 | 46.64 | - | - | 74 | -27.36 | 0 | 100 | V |
| 9.83596 | 32.12 | PK2 | 37.3 | -21.7 | 0 | 47.72 | - | - | 74 | -26.28 | 0 | 100 | H |
| 9.83964 | 32.96 | PK2 | 37.3 | -21.6 | 0 | 48.66 | - | - | 74 | -25.34 | 0 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

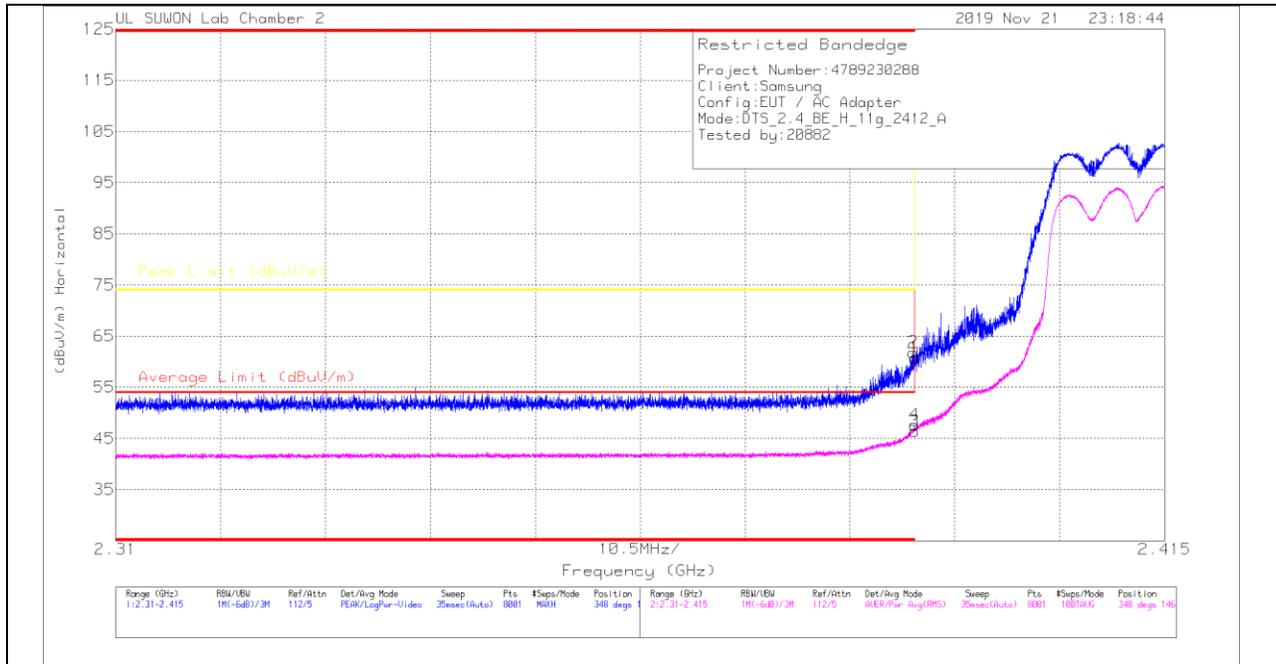
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

11.2.3. TX ABOVE 1 GHz 802.11g 2TX CDD MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

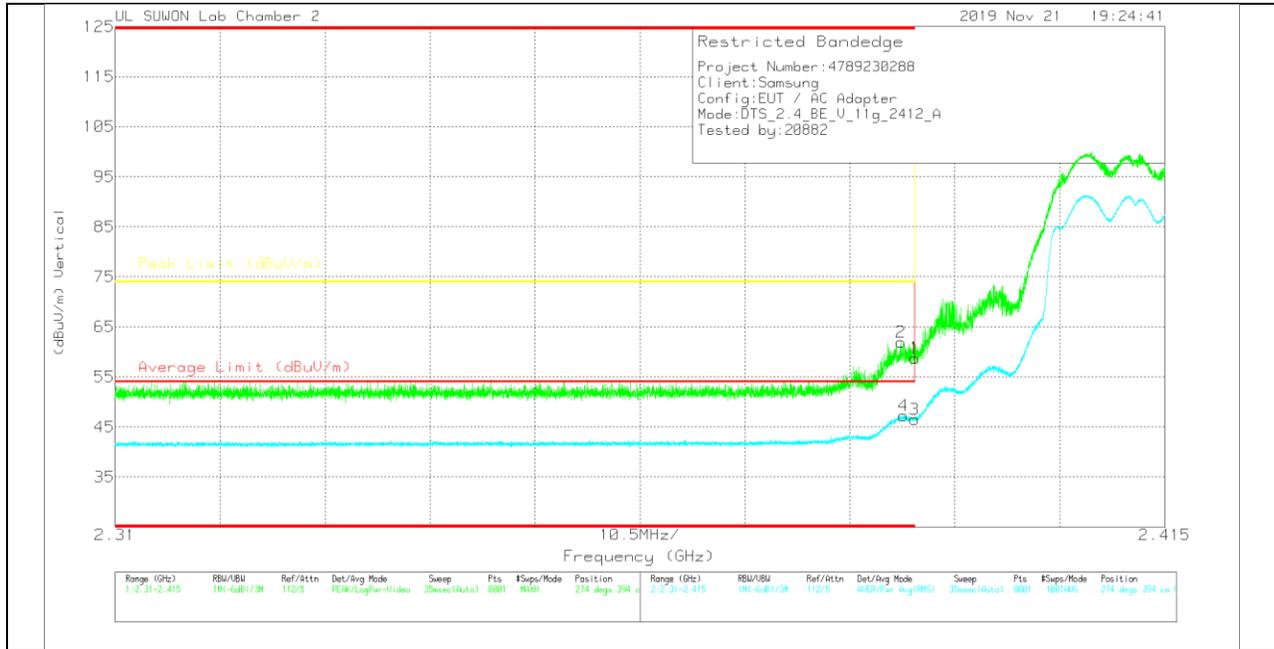
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 49.76 | Pk | 31.6 | -20.6 | 0 | 60.76 | - | - | 74 | -13.24 | 348 | 146 | H |
| 2 | * 2.38983 | 50.82 | Pk | 31.6 | -20.6 | 0 | 61.82 | - | - | 74 | -12.18 | 348 | 146 | H |
| 3 | * 2.39 | 35.44 | RMS | 31.6 | -20.6 | 0 | 46.44 | 54 | -7.56 | - | - | 348 | 146 | H |
| 4 | * 2.38996 | 36.66 | RMS | 31.6 | -20.6 | 0 | 47.66 | 54 | -6.34 | - | - | 348 | 146 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meas Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 47.79 | Pk | 31.6 | -20.6 | 0 | 58.79 | - | - | 74 | -15.21 | 274 | 394 | V |
| 2 | * 2.38858 | 50.92 | Pk | 31.6 | -20.6 | 0 | 61.92 | - | - | 74 | -12.08 | 274 | 394 | V |
| 3 | * 2.39 | 35.55 | RMS | 31.6 | -20.6 | 0 | 46.55 | 54 | -7.45 | - | - | 274 | 394 | V |
| 4 | * 2.38887 | 36.29 | RMS | 31.6 | -20.6 | 0 | 47.29 | 54 | -6.71 | - | - | 274 | 394 | V |

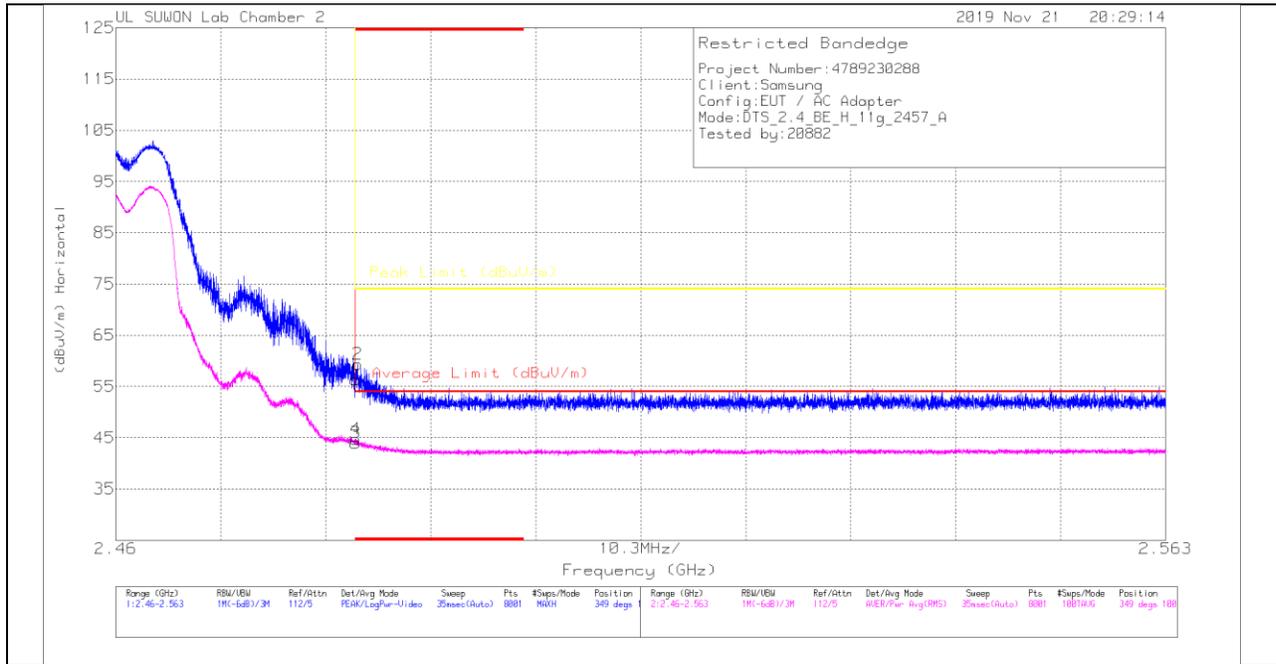
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (10 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

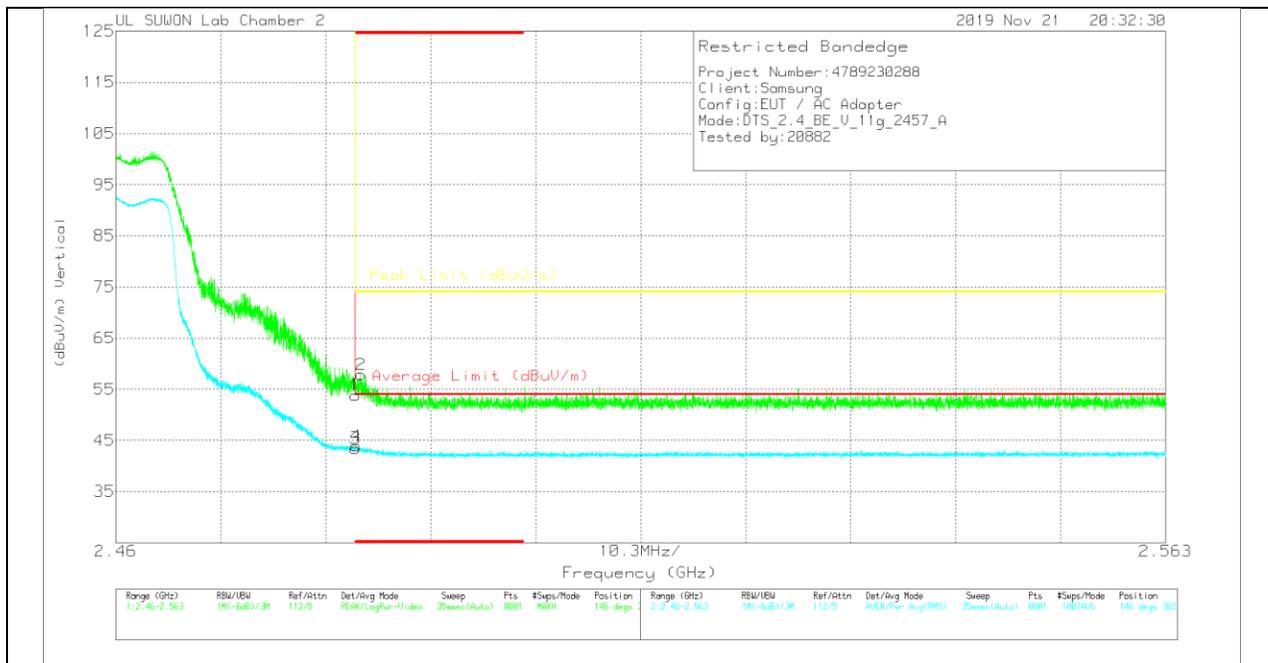
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Cor (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|-------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 44.84 | Pk | 31.9 | -20.4 | 0 | 56.34 | - | - | 74 | -17.66 | 349 | 100 | H |
| 2 | * 2.48372 | 47.86 | Pk | 31.9 | -20.4 | 0 | 59.36 | - | - | 74 | -14.64 | 349 | 100 | H |
| 3 | * 2.48351 | 32.5 | RMS | 31.9 | -20.4 | 0 | 44 | 54 | -10 | - | - | 349 | 100 | H |
| 4 | * 2.48355 | 33.25 | RMS | 31.9 | -20.4 | 0 | 44.75 | 54 | -9.25 | - | - | 349 | 100 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Cor (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|-------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 42.39 | Pk | 31.9 | -20.4 | 0 | 53.89 | - | - | 74 | -20.11 | 146 | 382 | V |
| 2 | * 2.48406 | 46.34 | Pk | 31.9 | -20.4 | 0 | 57.84 | - | - | 74 | -16.16 | 146 | 382 | V |
| 3 | * 2.48351 | 31.97 | RMS | 31.9 | -20.4 | 0 | 43.47 | 54 | -10.53 | - | - | 146 | 382 | V |
| 4 | * 2.48357 | 32.42 | RMS | 31.9 | -20.4 | 0 | 43.92 | 54 | -10.08 | - | - | 146 | 382 | V |

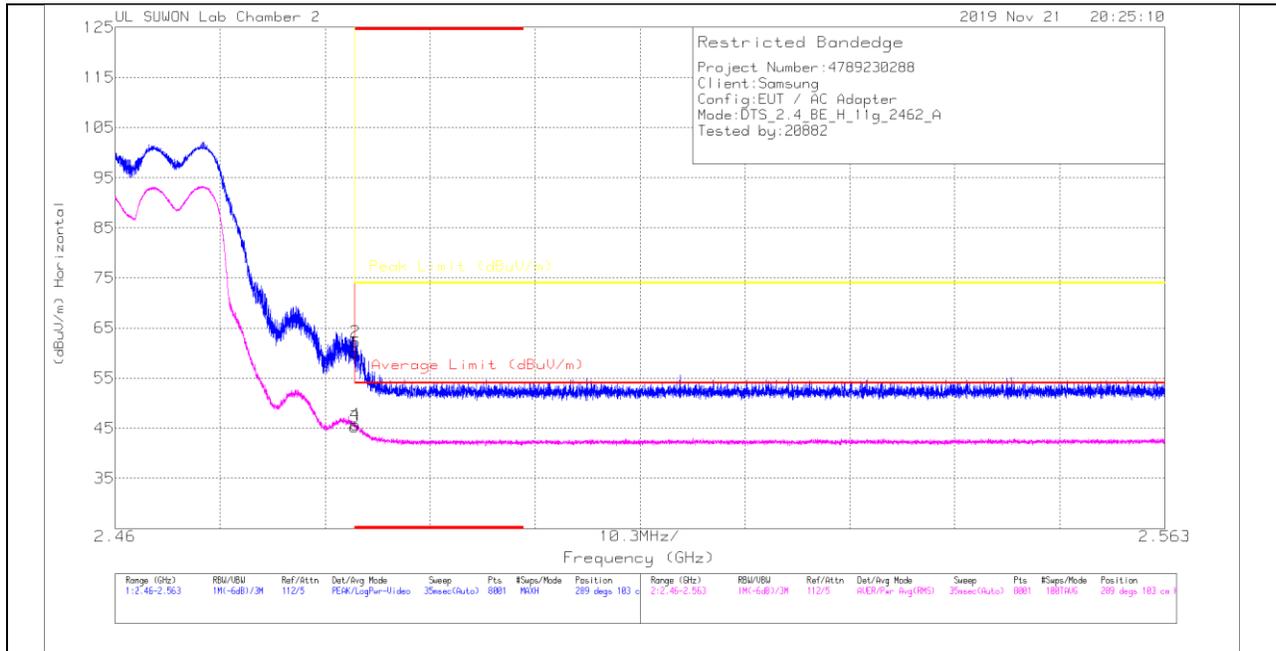
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

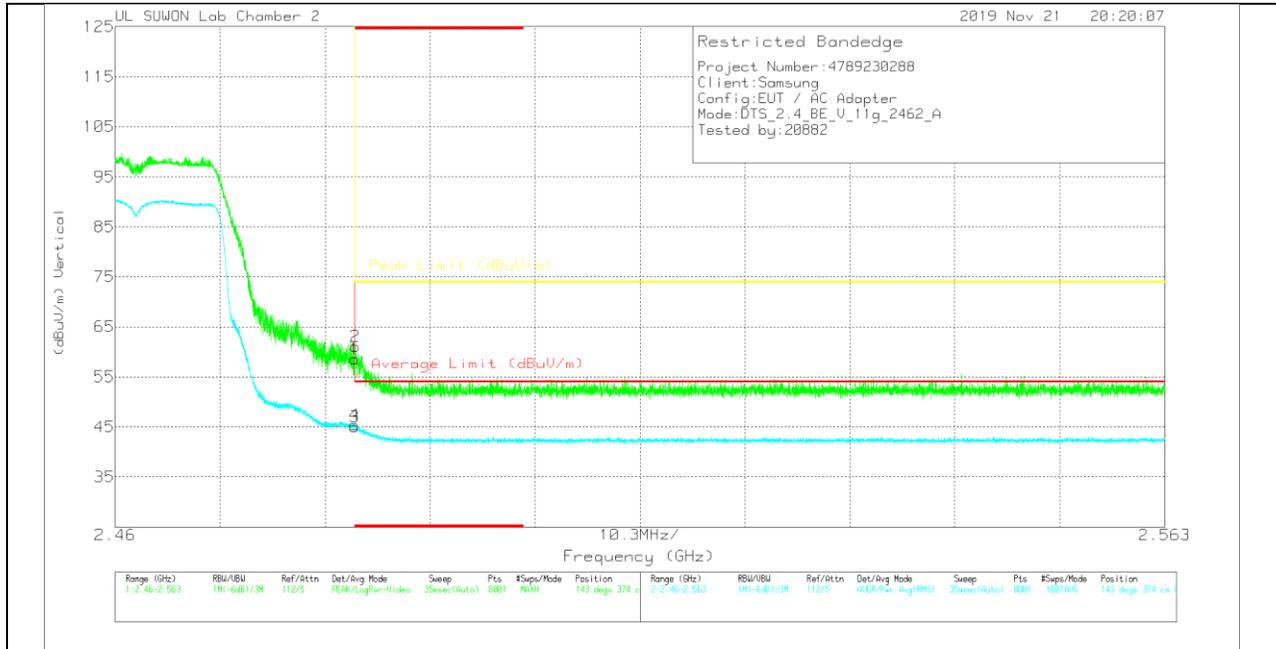
| Marker | Frequency (GHz) | Meter Reading (dBu/m) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBu/m) | Average Limit (dBu/m) | Margin (dB) | Peak Limit (dBu/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|-----------------------|-----|---------------|--------------|--------------|---------------------------|-----------------------|-------------|--------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 48.64 | Pk | 31.9 | -20.4 | 0 | 60.14 | - | - | 74 | -13.86 | 289 | 103 | H |
| 2 | * 2.48354 | 50.71 | Pk | 31.9 | -20.4 | 0 | 62.21 | - | - | 74 | -11.79 | 289 | 103 | H |
| 3 | * 2.48351 | 33.81 | RMS | 31.9 | -20.4 | 0 | 45.31 | 54 | -8.69 | - | - | 289 | 103 | H |
| 4 | * 2.48356 | 34.21 | RMS | 31.9 | -20.4 | 0 | 45.71 | 54 | -8.29 | - | - | 289 | 103 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 47.12 | PK | 31.9 | -20.4 | 0 | 58.62 | - | - | 74 | -15.38 | 143 | 374 | V |
| 2 | * 2.48355 | 49.57 | PK | 31.9 | -20.4 | 0 | 61.07 | - | - | 74 | -12.93 | 143 | 374 | V |
| 3 | * 2.48351 | 33.95 | RMS | 31.9 | -20.4 | 0 | 45.05 | 54 | -8.95 | - | - | 143 | 374 | V |
| 4 | * 2.48352 | 33.9 | RMS | 31.9 | -20.4 | 0 | 45.4 | 54 | -8.6 | - | - | 143 | 374 | V |

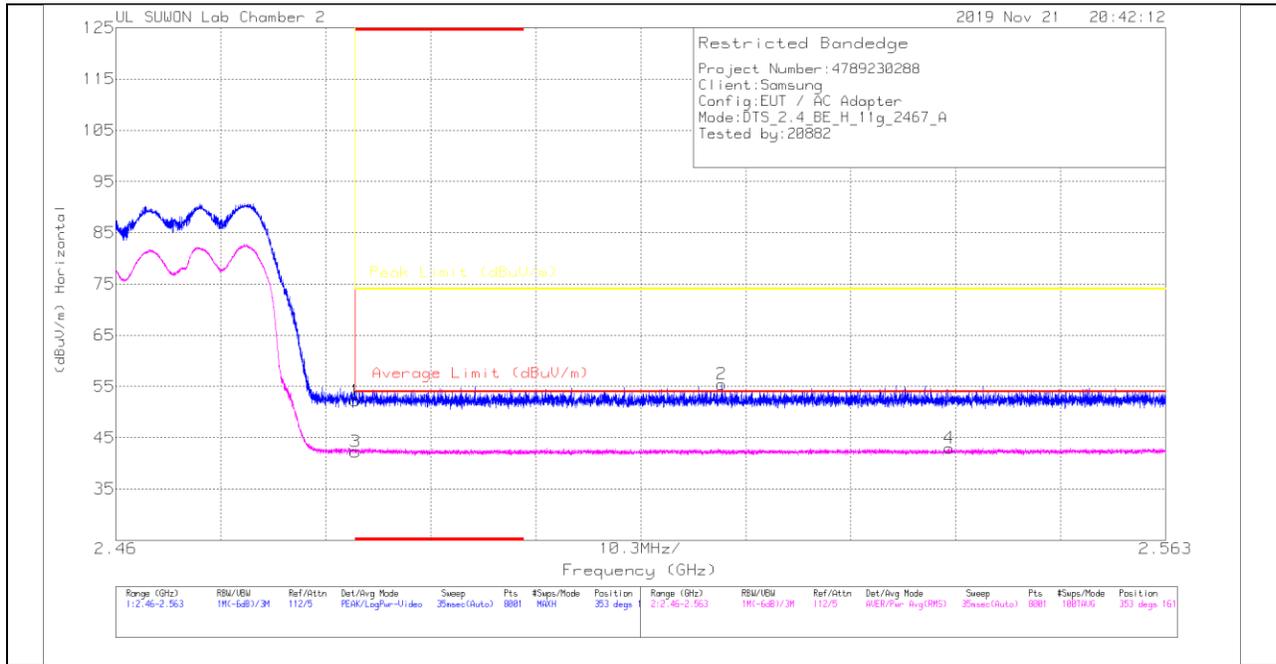
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

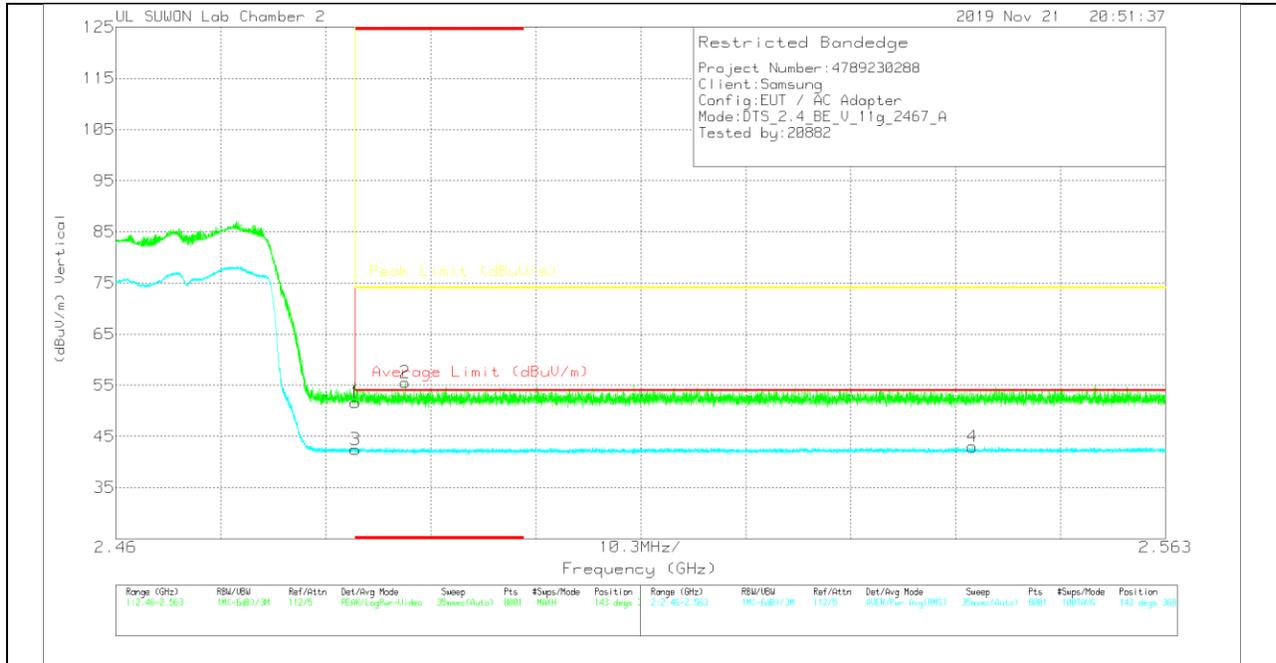
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Cor (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|-------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 40.72 | Pk | 31.9 | -20.4 | 0 | 52.22 | - | - | 74 | -21.78 | 353 | 161 | H |
| 2 | 2.51946 | 43.98 | Pk | 31.9 | -20.4 | 0 | 55.48 | - | - | 74 | -18.52 | 353 | 161 | H |
| 3 | * 2.48351 | 30.78 | RMS | 31.9 | -20.4 | 0 | 42.28 | 54 | -11.72 | - | - | 353 | 161 | H |
| 4 | 2.54176 | 31.38 | RMS | 32 | -20.4 | 0 | 42.98 | 54 | -11.02 | - | - | 353 | 161 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Cor (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|-------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 40.14 | Pk | 31.9 | -20.4 | 0 | 51.64 | - | - | 74 | -22.36 | 143 | 368 | V |
| 2 | * 2.48838 | 44.16 | Pk | 31.9 | -20.5 | 0 | 55.56 | - | - | 74 | -18.44 | 143 | 368 | V |
| 3 | * 2.48351 | 30.97 | RMS | 31.9 | -20.4 | 0 | 42.47 | 54 | -11.53 | - | - | 143 | 368 | V |
| 4 | 2.54402 | 31.42 | RMS | 32 | -20.4 | 0 | 43.02 | 54 | -10.98 | - | - | 143 | 368 | V |

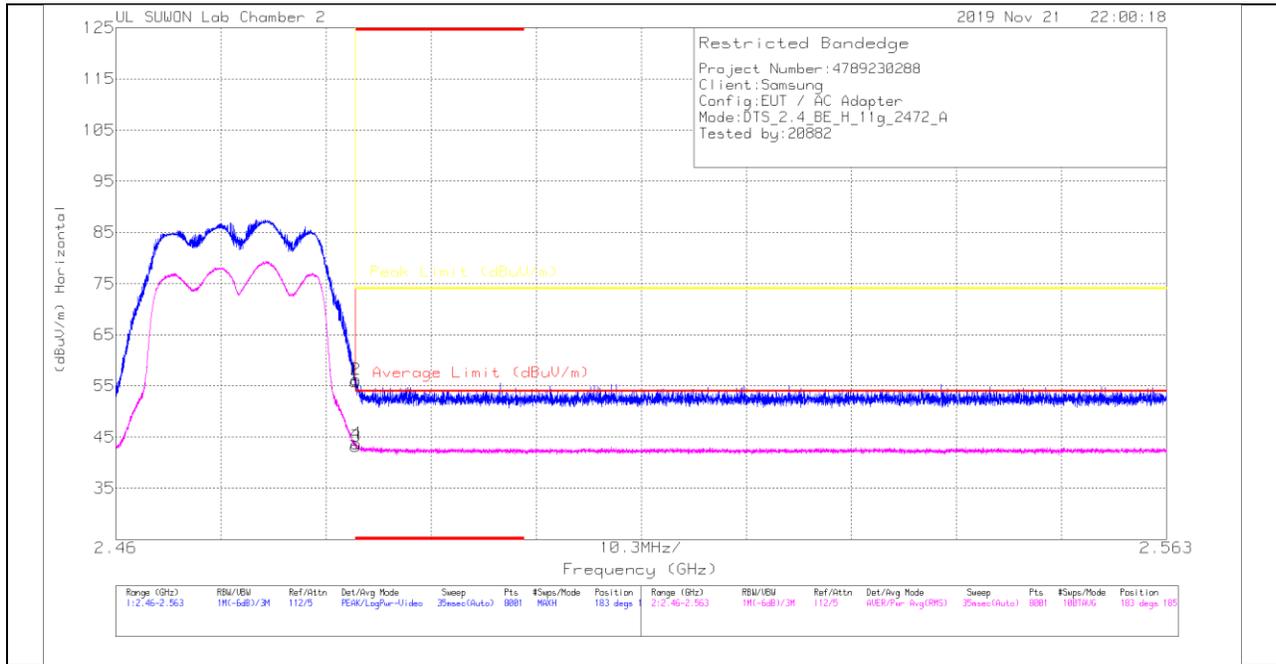
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

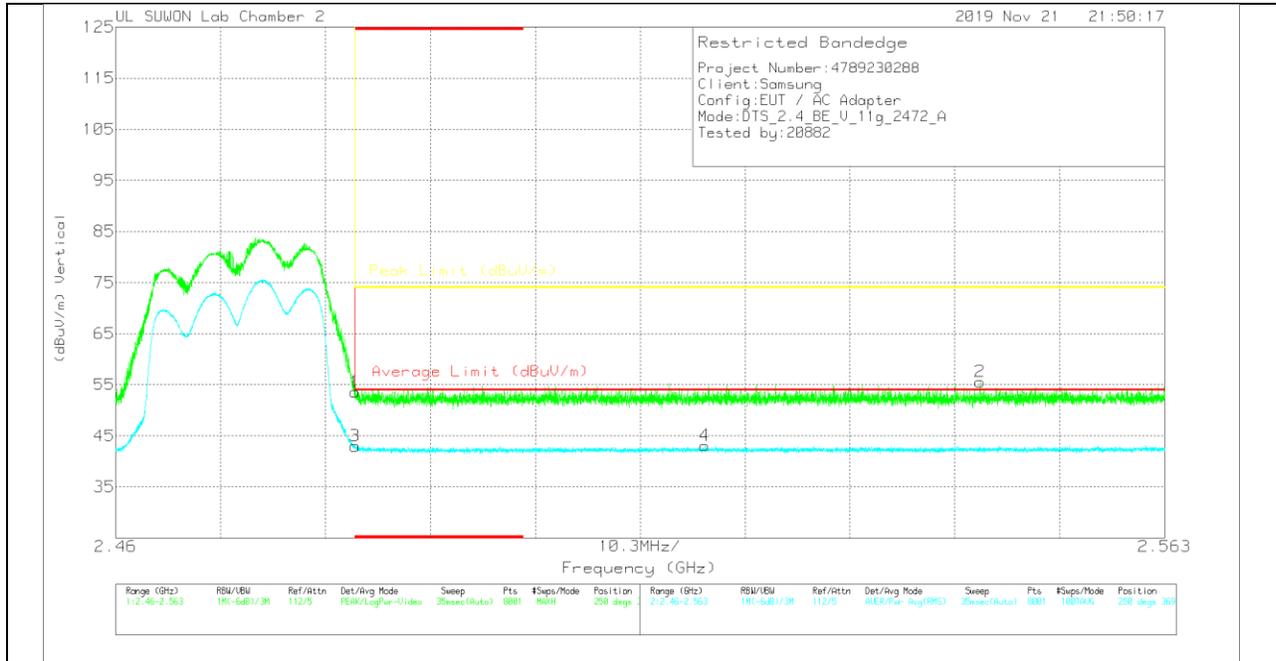
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 44.37 | Pk | 31.9 | -20.4 | 0 | 55.87 | - | - | 74 | -18.13 | 183 | 185 | H |
| 2 | * 2.48354 | 44.73 | Pk | 31.9 | -20.4 | 0 | 56.23 | - | - | 74 | -17.77 | 183 | 185 | H |
| 3 | * 2.48351 | 31.68 | RMS | 31.9 | -20.4 | 0 | 43.18 | 54 | -10.82 | - | - | 183 | 185 | H |
| 4 | * 2.48357 | 32.19 | RMS | 31.9 | -20.4 | 0 | 43.69 | 54 | -10.31 | - | - | 183 | 185 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 10dB_ATT[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.48351 | 42.08 | Pk | 31.9 | -20.4 | 0 | 53.58 | - | - | 74 | -20.42 | 250 | 369 | V |
| 2 | 2.54487 | 44 | Pk | 32 | -20.4 | 0 | 55.6 | - | - | 74 | -18.4 | 250 | 369 | V |
| 3 | * 2.48351 | 31.52 | RMS | 31.9 | -20.4 | 0 | 43.02 | 54 | -10.98 | - | - | 250 | 369 | V |
| 4 | 2.51786 | 31.59 | RMS | 31.9 | -20.4 | 0 | 43.09 | 54 | -10.91 | - | - | 250 | 369 | V |

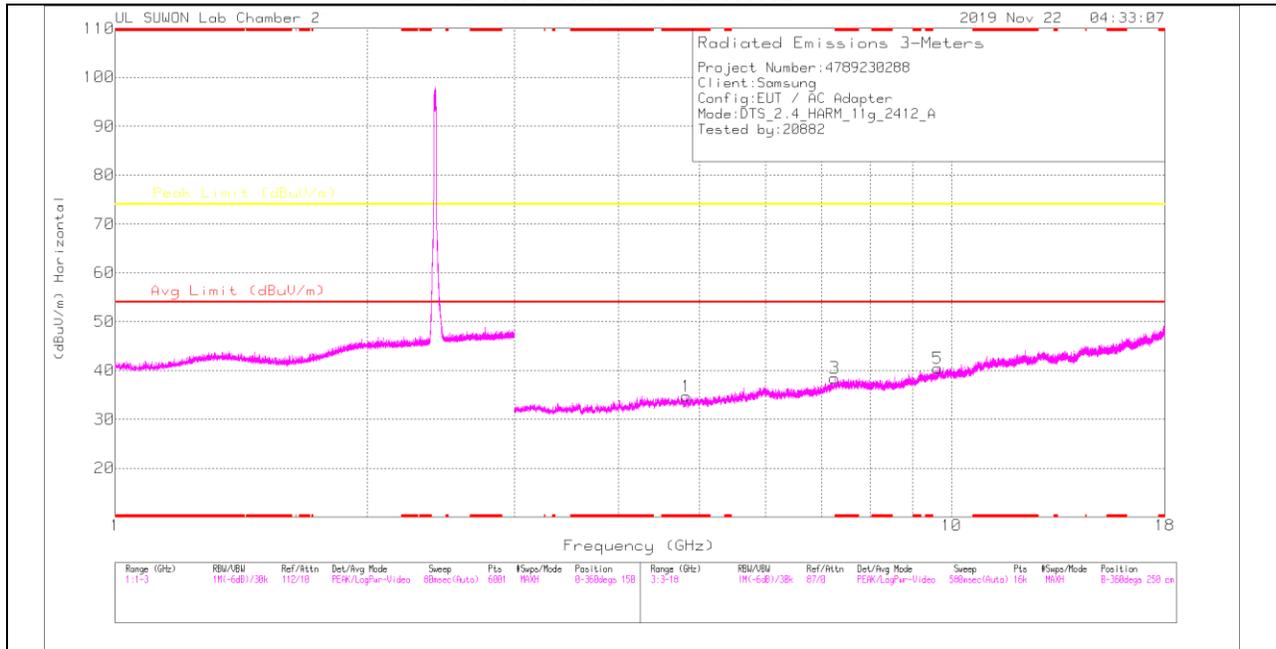
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

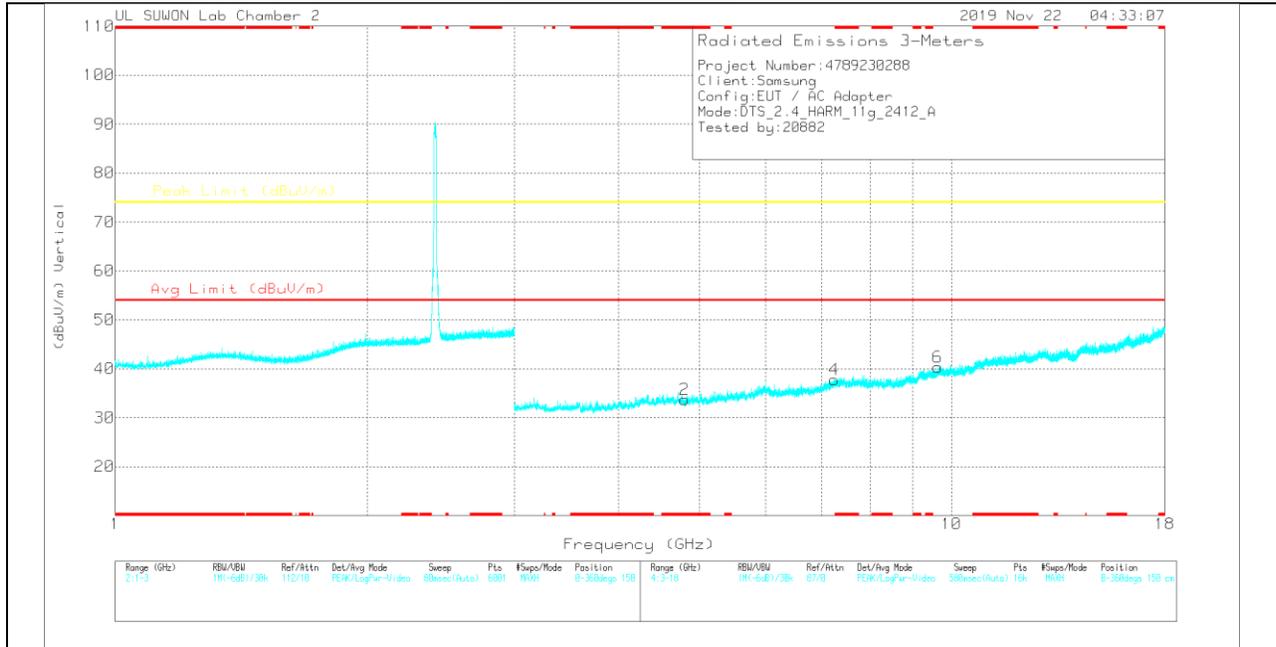
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

2 CHANNEL HORIZONTAL



2 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

2 CHANNEL DATA

Radiated Emissions

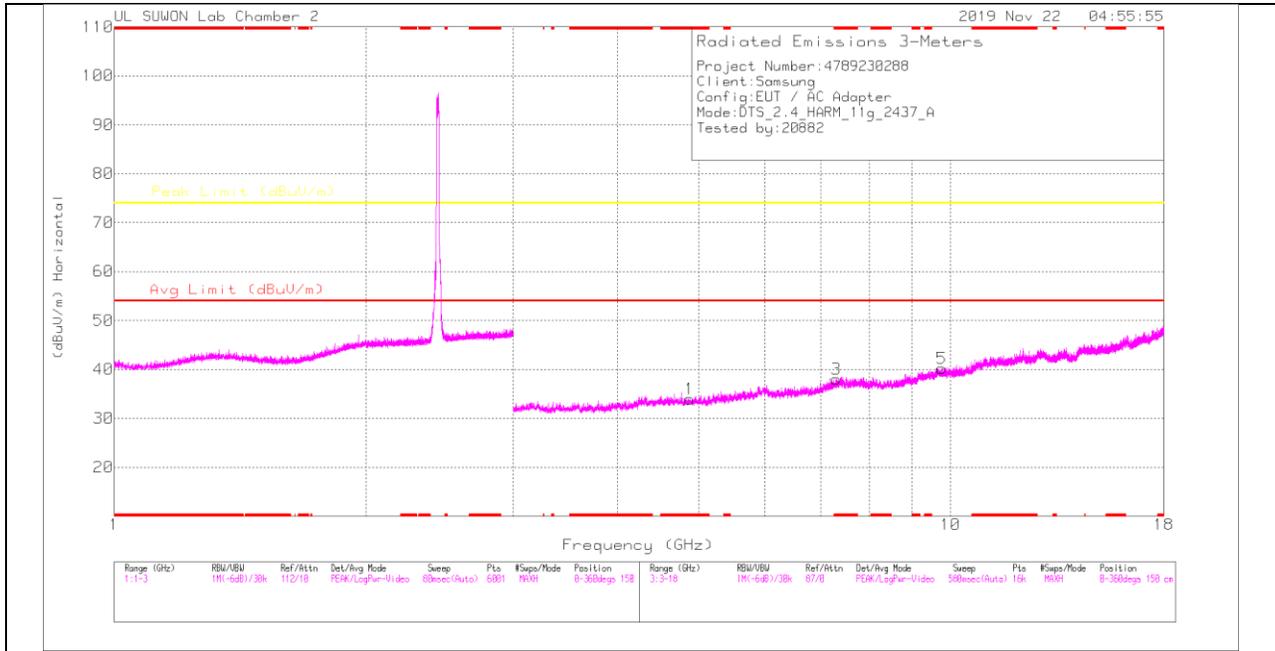
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_0016872 4 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|-------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.82149 | 36.8 | PK2 | 34 | -28.1 | 0 | 42.7 | - | - | 74 | -31.3 | 0 | 100 | H |
| * 4.81902 | 37.49 | PK2 | 34 | -28.1 | 0 | 43.39 | - | - | 74 | -30.61 | 0 | 100 | V |
| 7.24164 | 35.08 | PK2 | 36.1 | -25.4 | 0 | 45.78 | - | - | 74 | -28.22 | 0 | 100 | H |
| 7.24194 | 35.59 | PK2 | 36.1 | -25.3 | 0 | 46.39 | - | - | 74 | -27.61 | 0 | 100 | V |
| 9.62613 | 32.45 | PK2 | 37 | -21.5 | 0 | 47.95 | - | - | 74 | -26.05 | 0 | 100 | H |
| 9.62856 | 32.7 | PK2 | 37 | -21.5 | 0 | 48.2 | - | - | 74 | -25.8 | 0 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

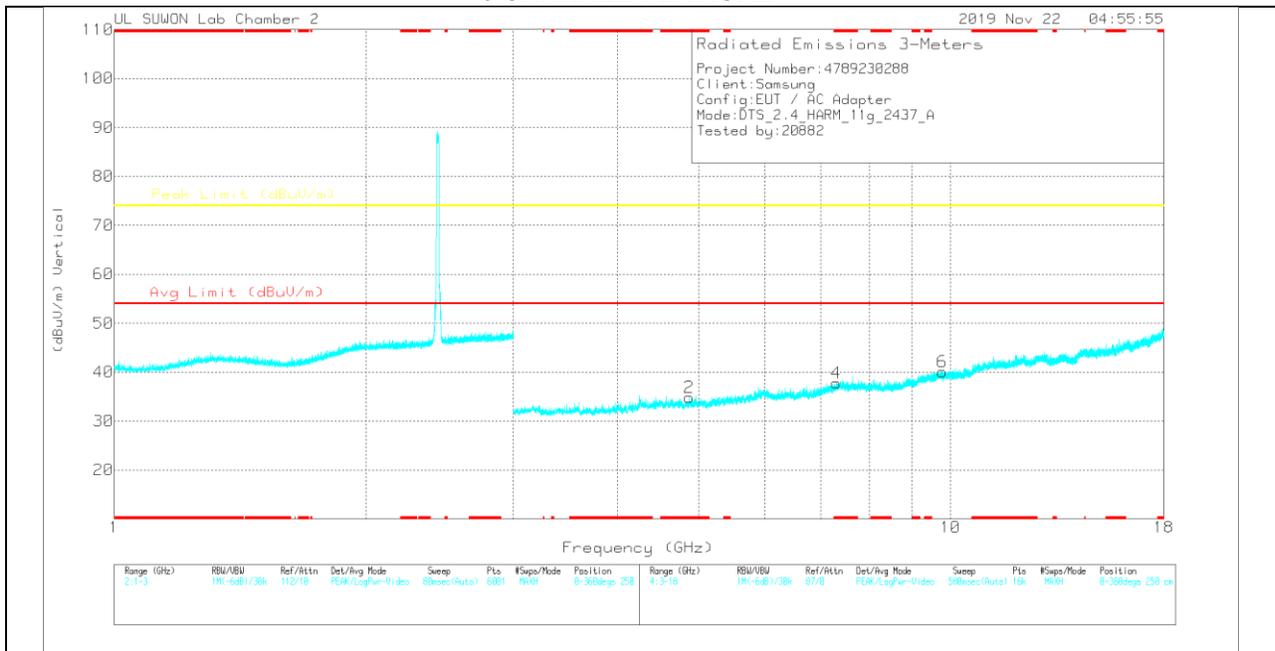
PK2 - KDB558074 Method: Maximum Peak

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

6 CHANNEL HORIZONTAL



6 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

6 CHANNEL DATA

Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168724 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.87631 | 36.53 | PK2 | 34 | -27.8 | 0 | 42.73 | - | - | 74 | -31.27 | 0 | 100 | H |
| * 4.8749 | 36.31 | PK2 | 34 | -27.9 | 0 | 42.41 | - | - | 74 | -31.59 | 0 | 100 | V |
| * 7.30493 | 35.67 | PK2 | 36.2 | -24.9 | 0 | 46.97 | - | - | 74 | -27.03 | 0 | 100 | H |
| * 7.3043 | 35.08 | PK2 | 36.2 | -24.9 | 0 | 46.38 | - | - | 74 | -27.62 | 0 | 100 | V |
| 9.76364 | 32.09 | PK2 | 37.2 | -21.2 | 0 | 48.09 | - | - | 74 | -25.91 | 0 | 100 | H |
| 9.76078 | 32.82 | PK2 | 37.2 | -21.2 | 0 | 48.82 | - | - | 74 | -25.18 | 0 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).