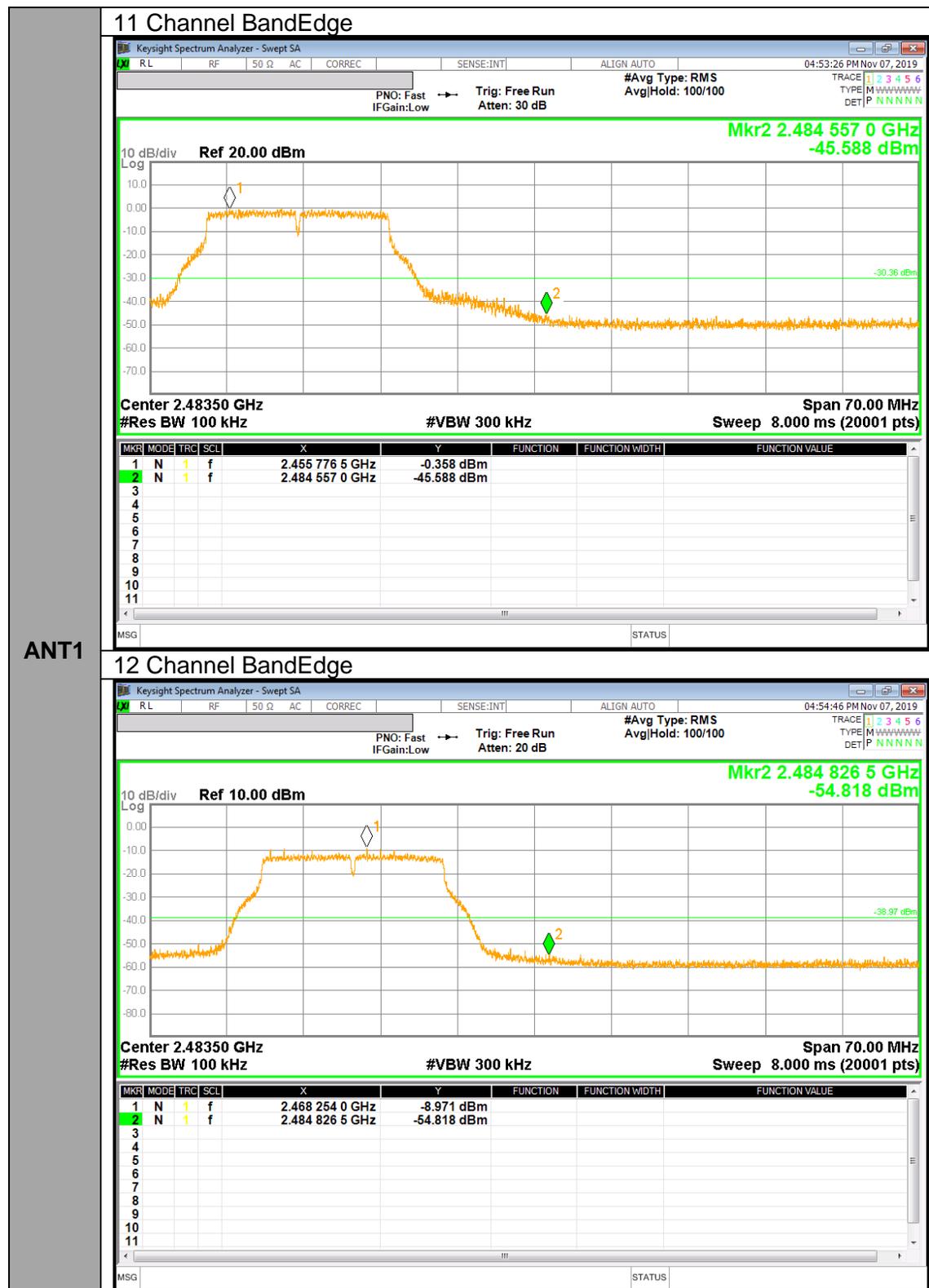
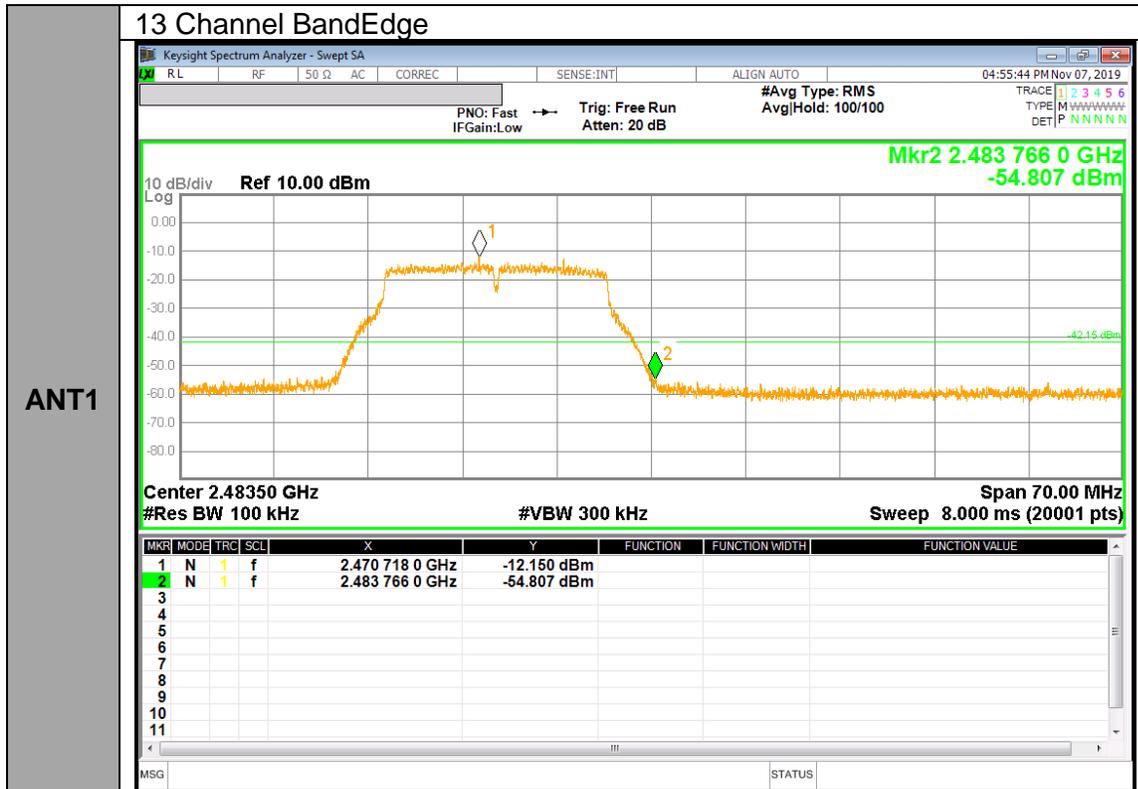
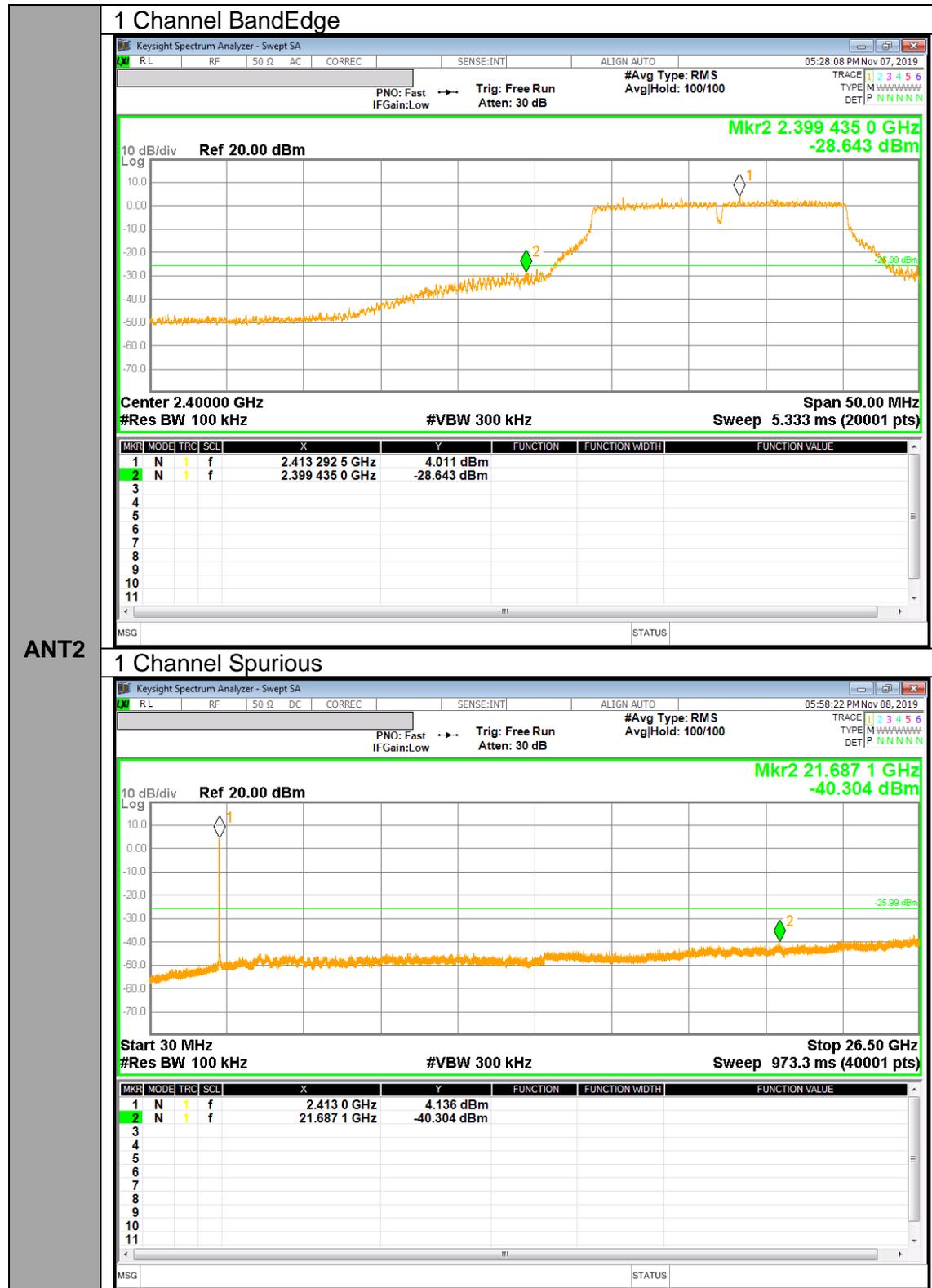
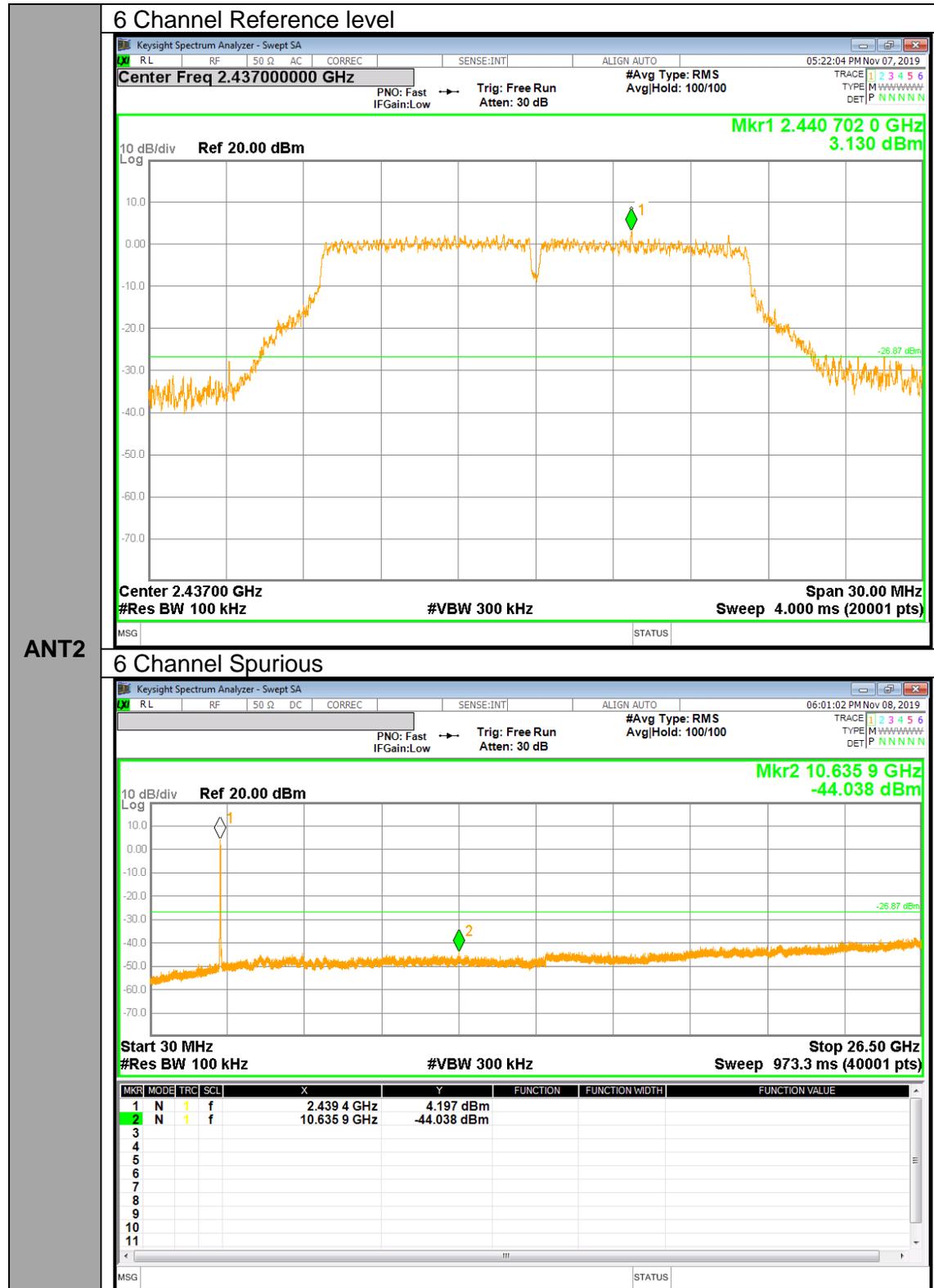


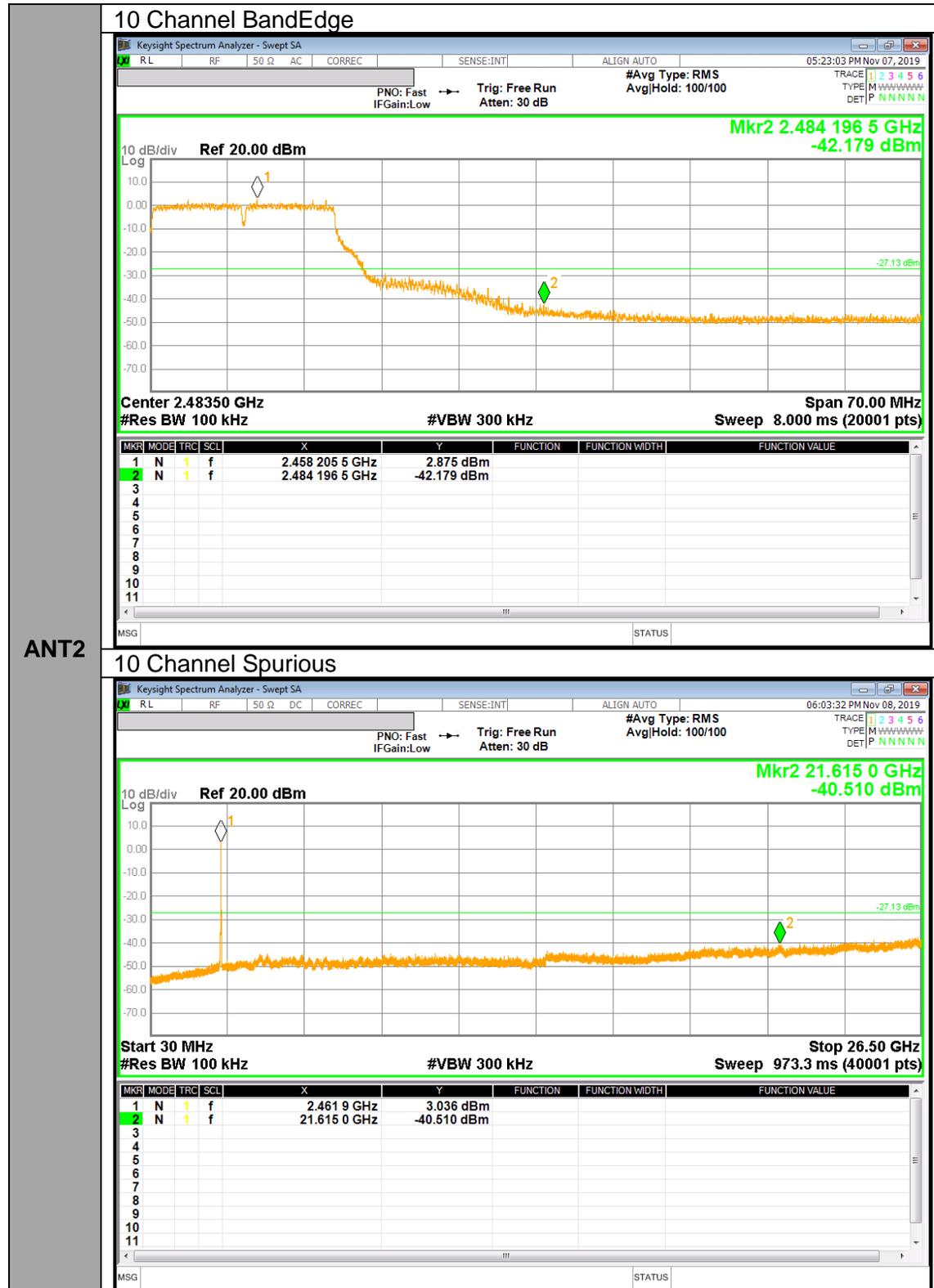
ANT1



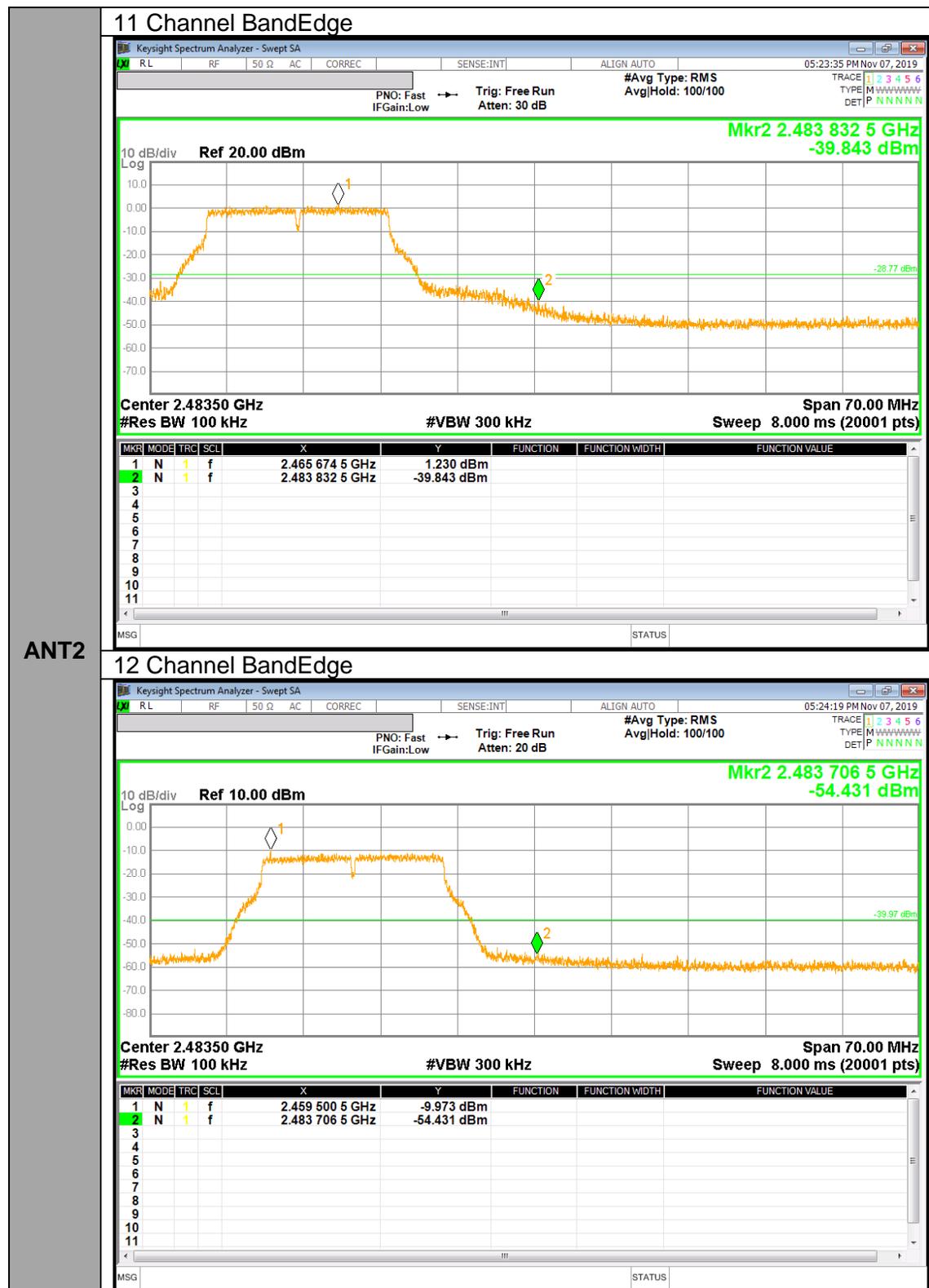




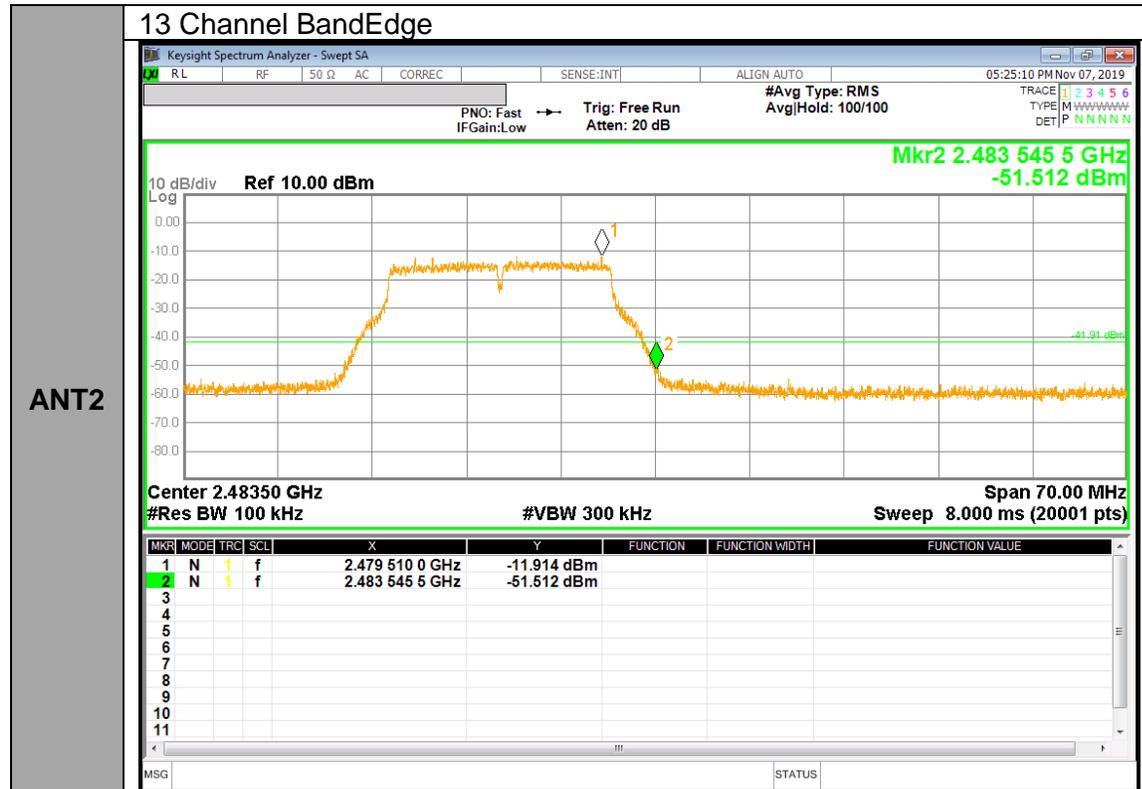




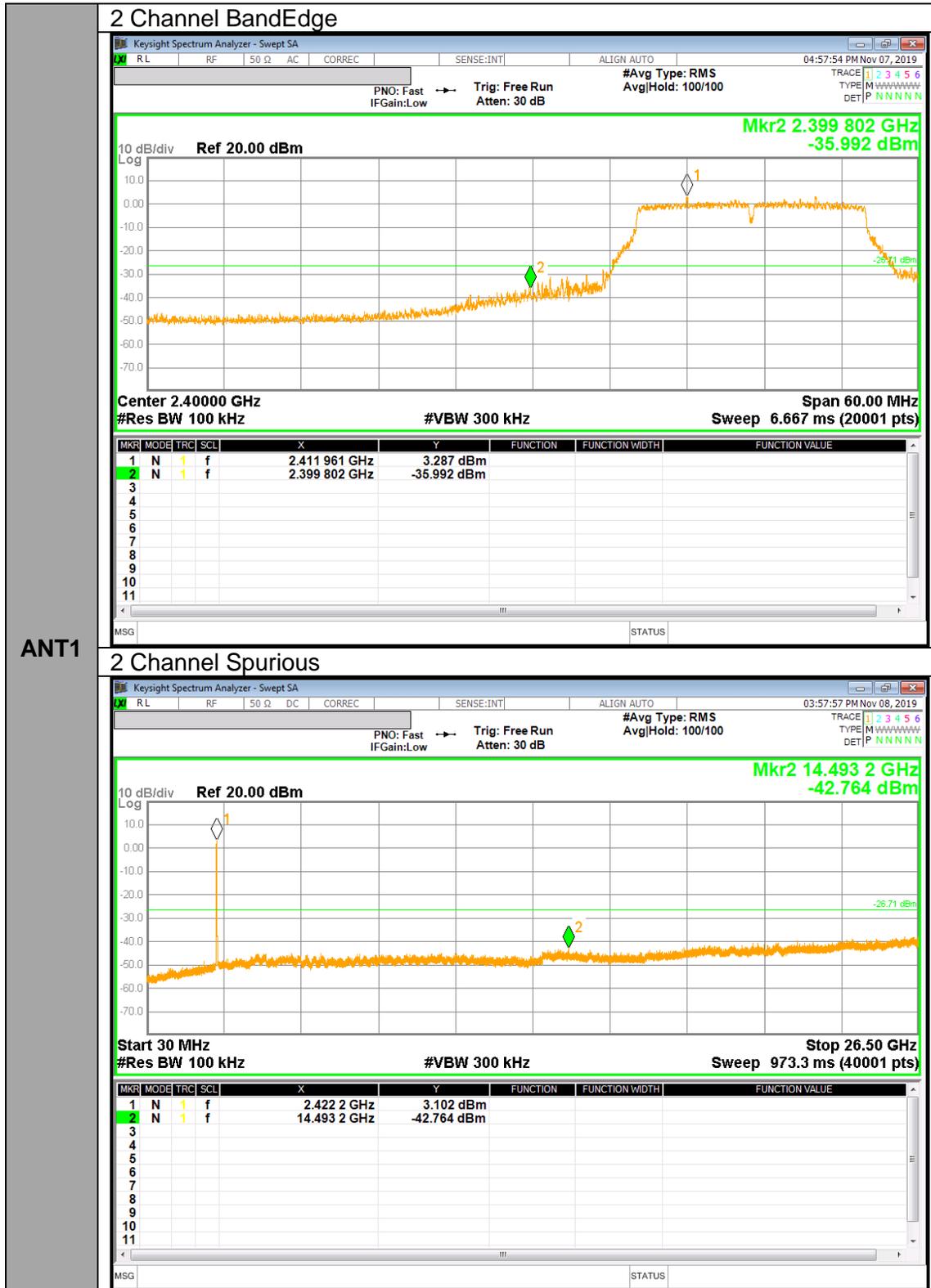
ANT2



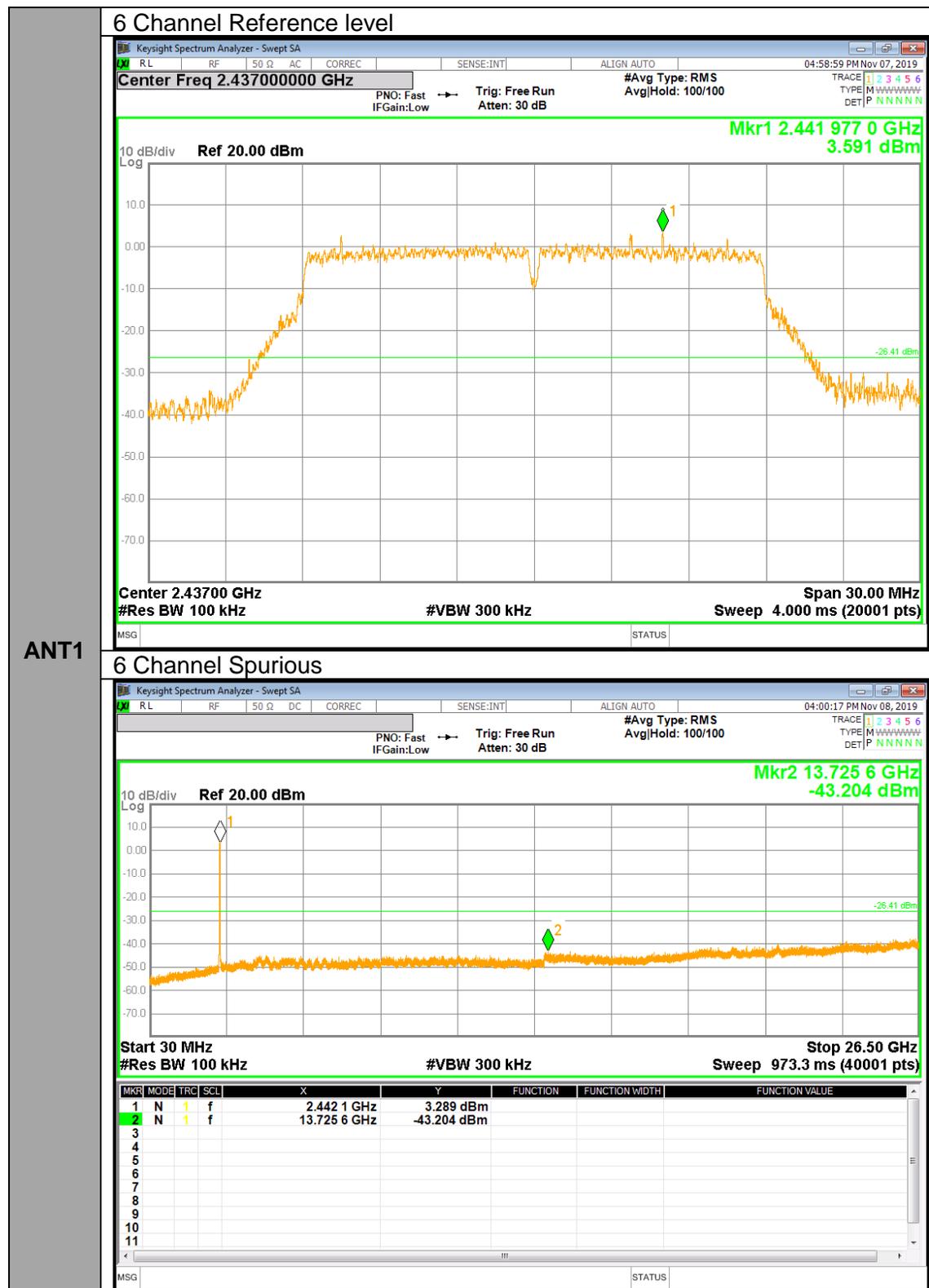
ANT2

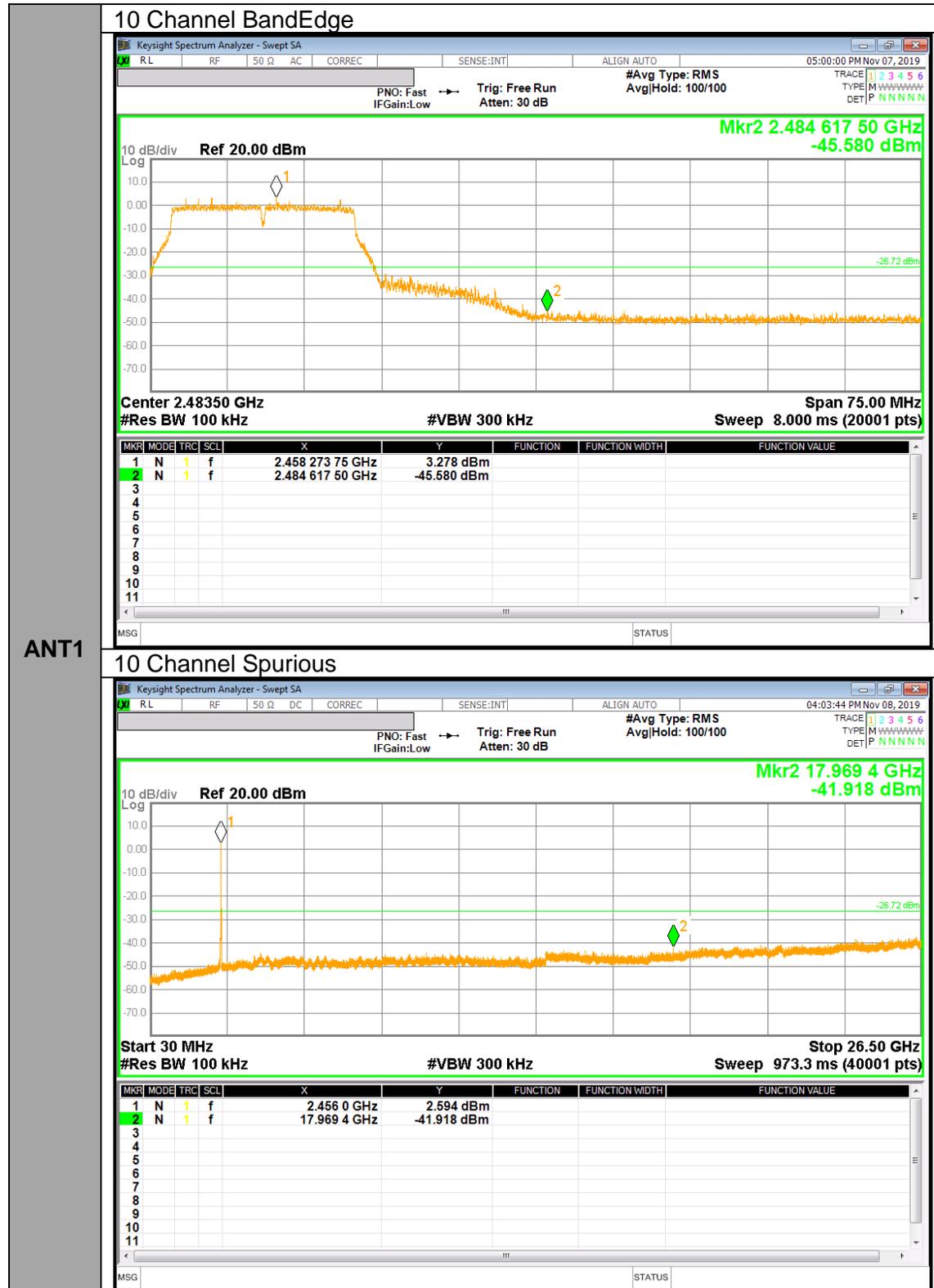


10.4.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND

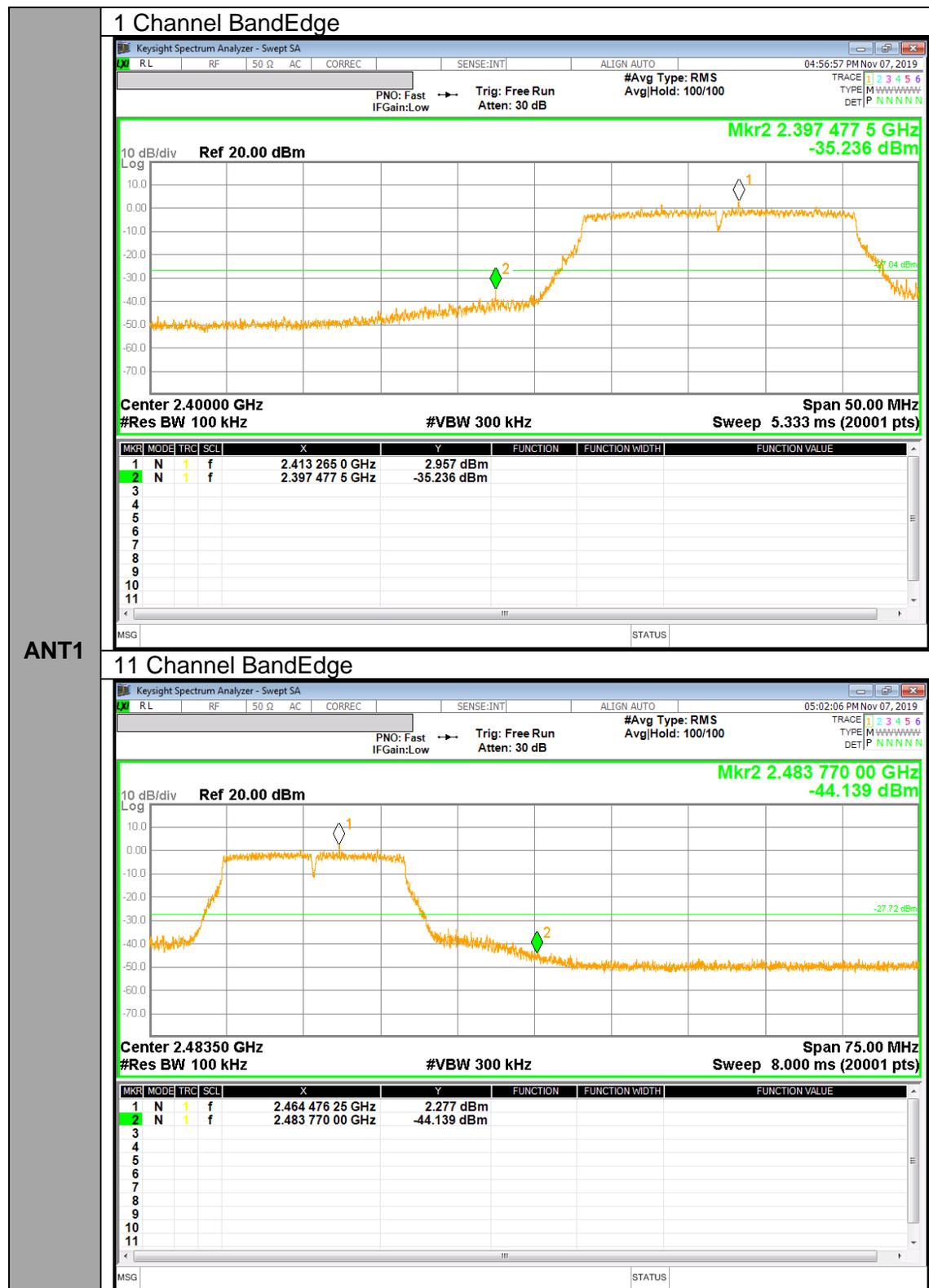


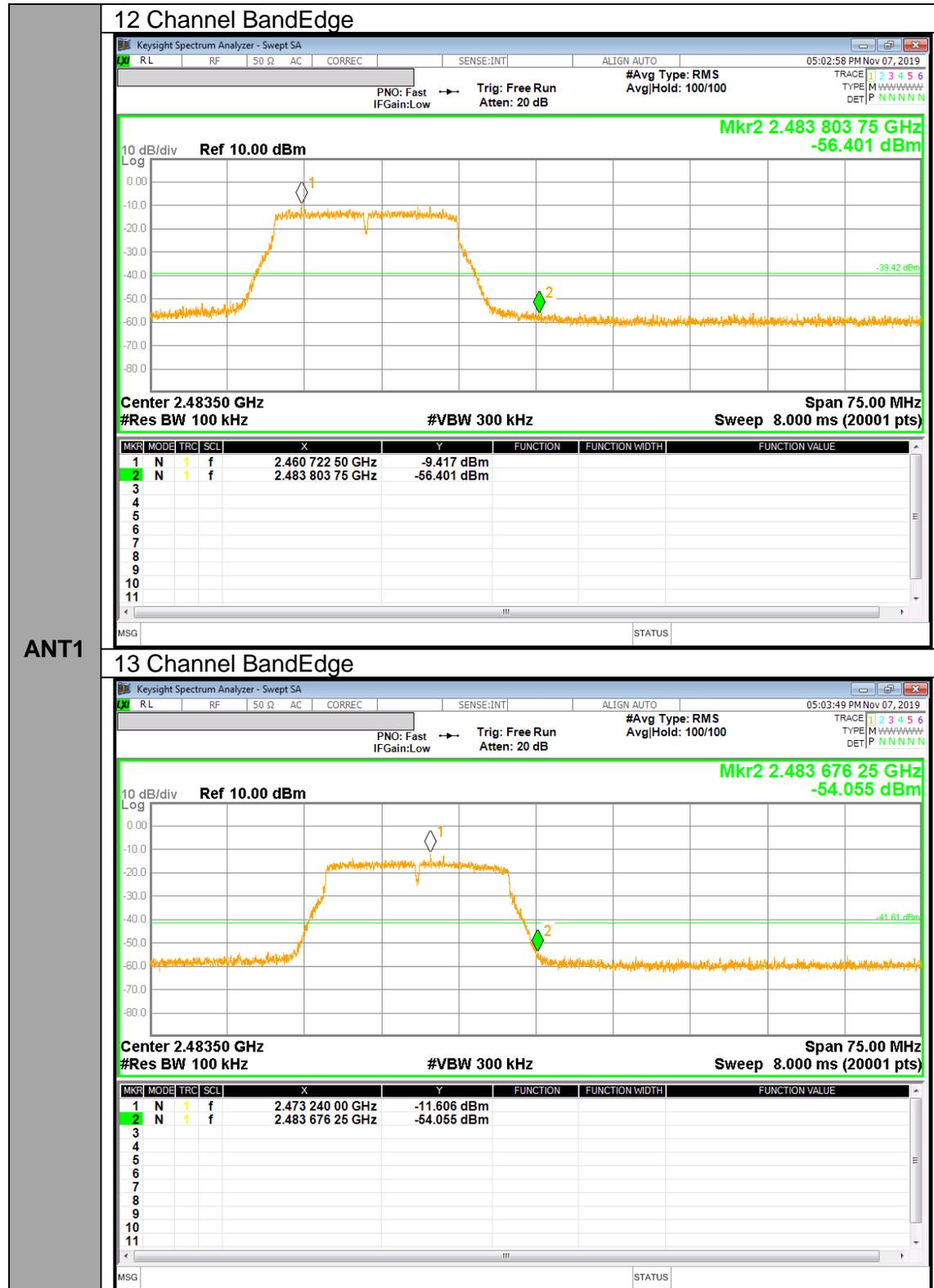
ANT1



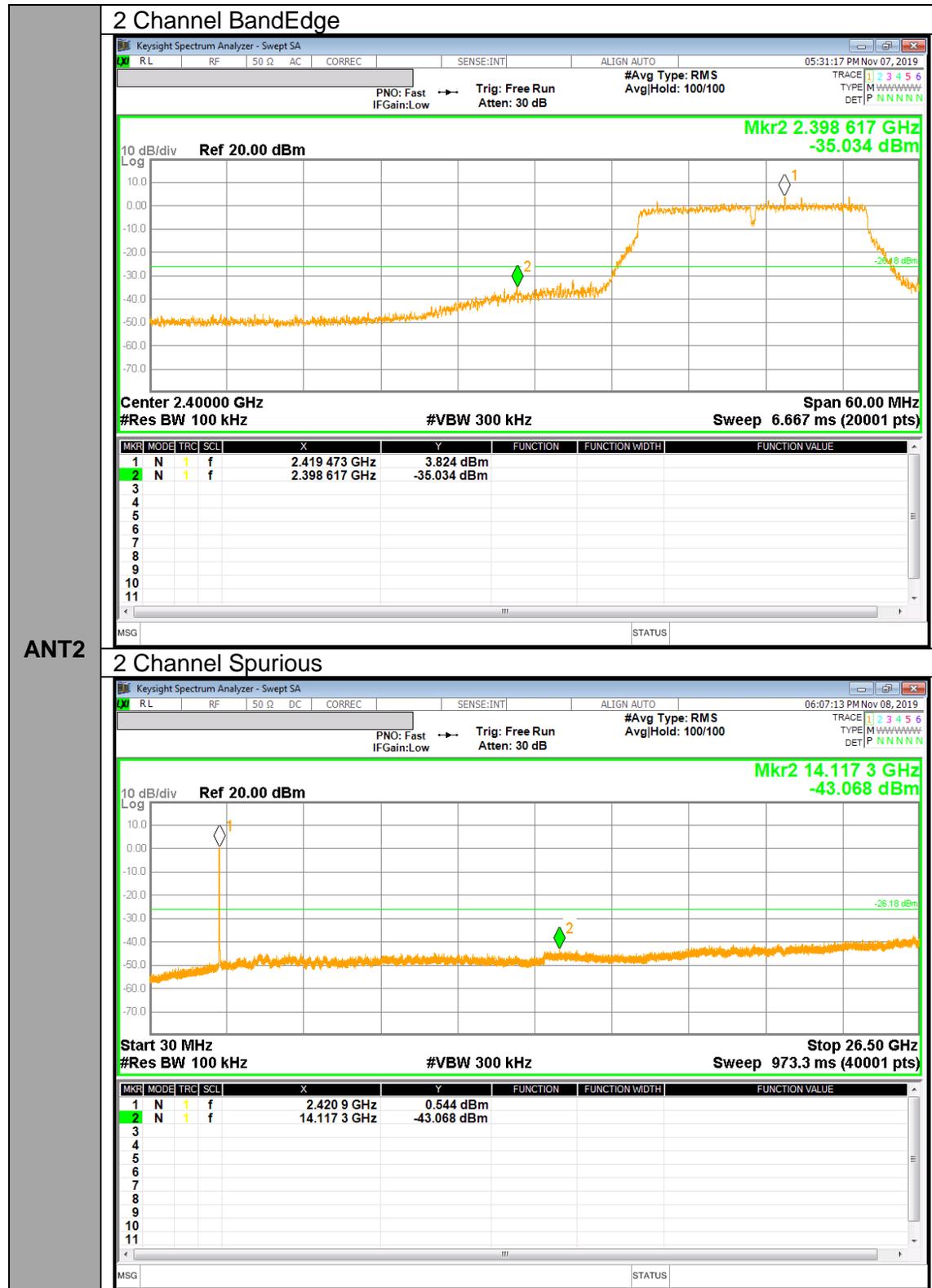


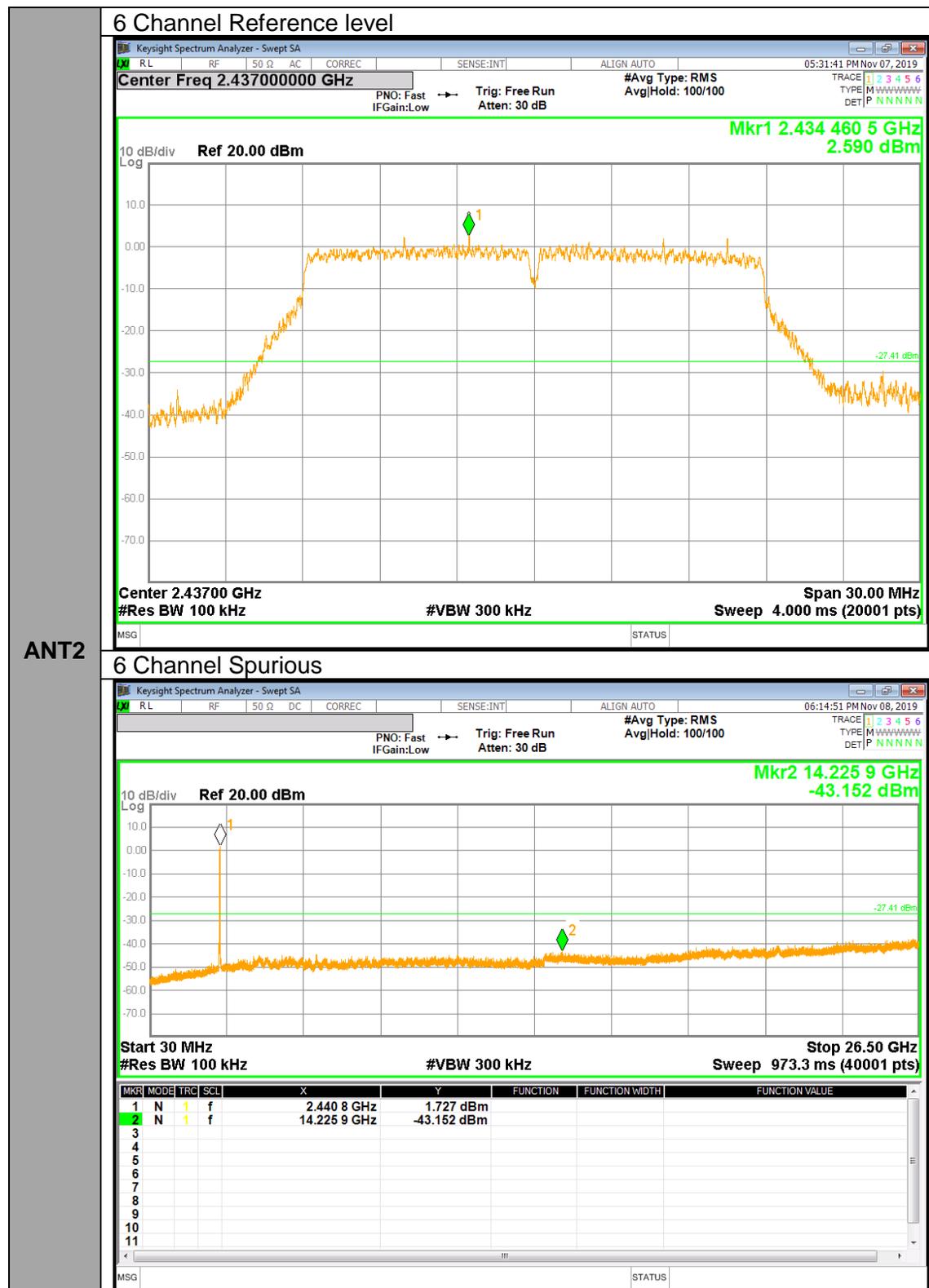
ANT1

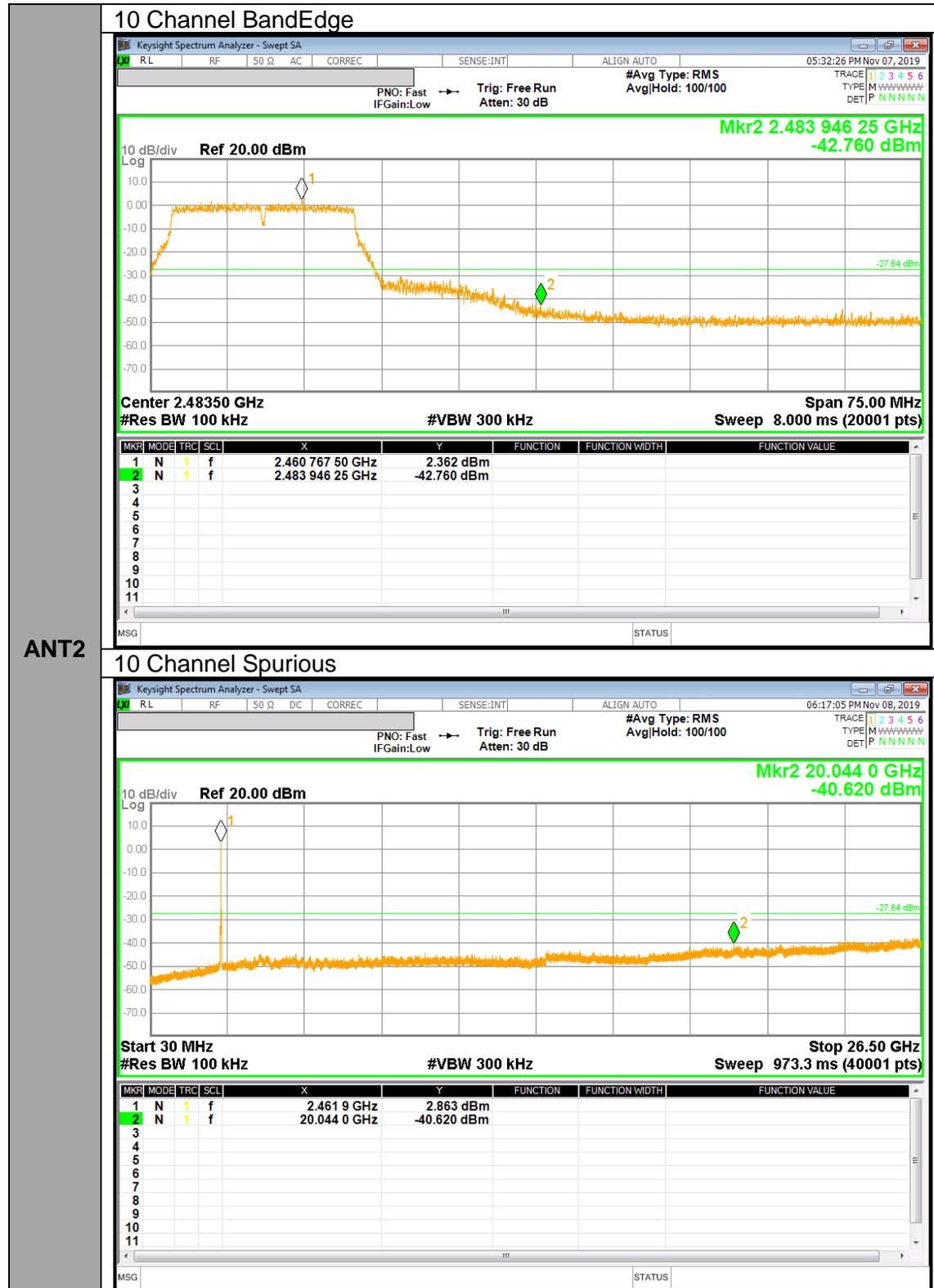




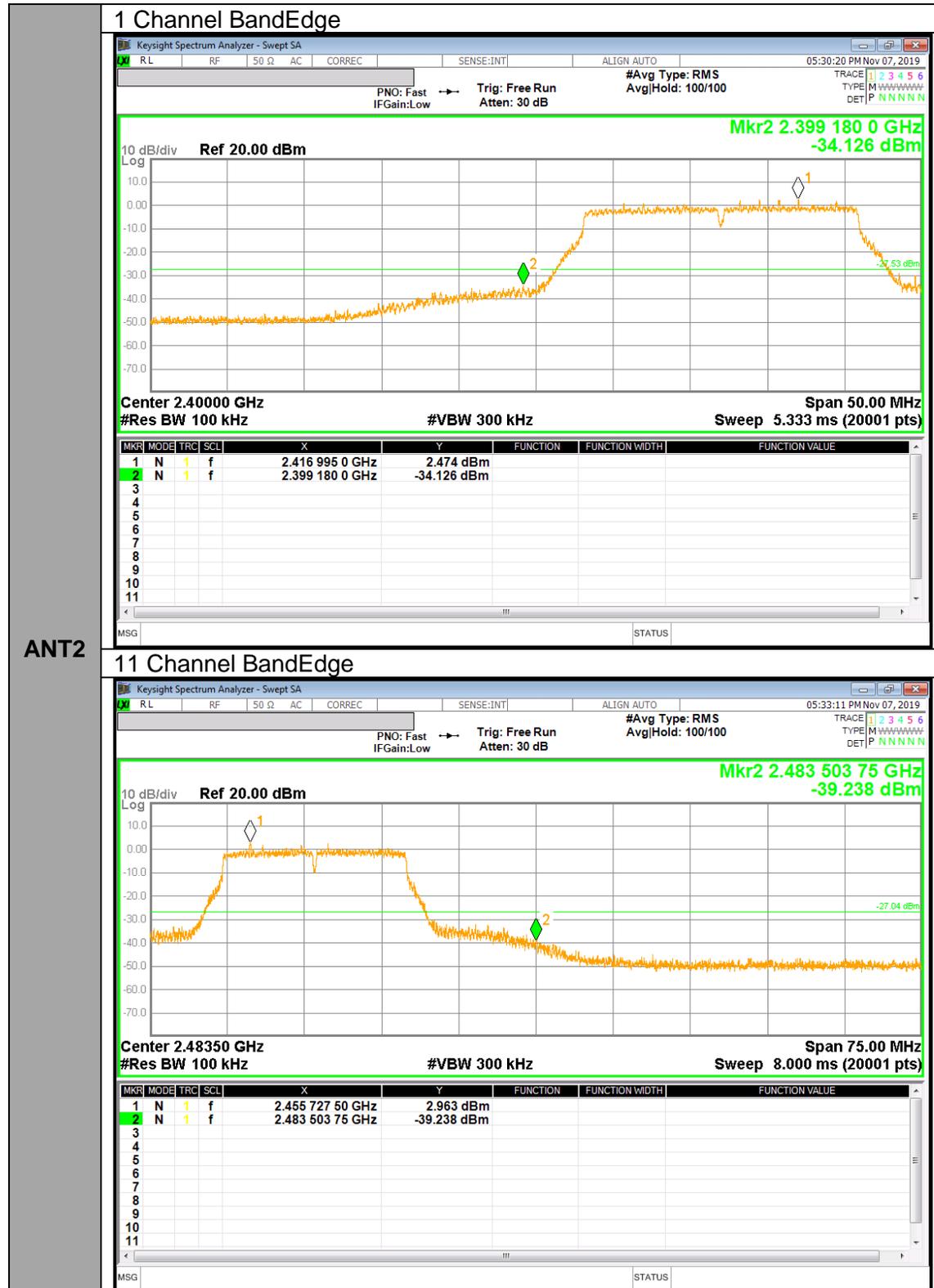
ANT1

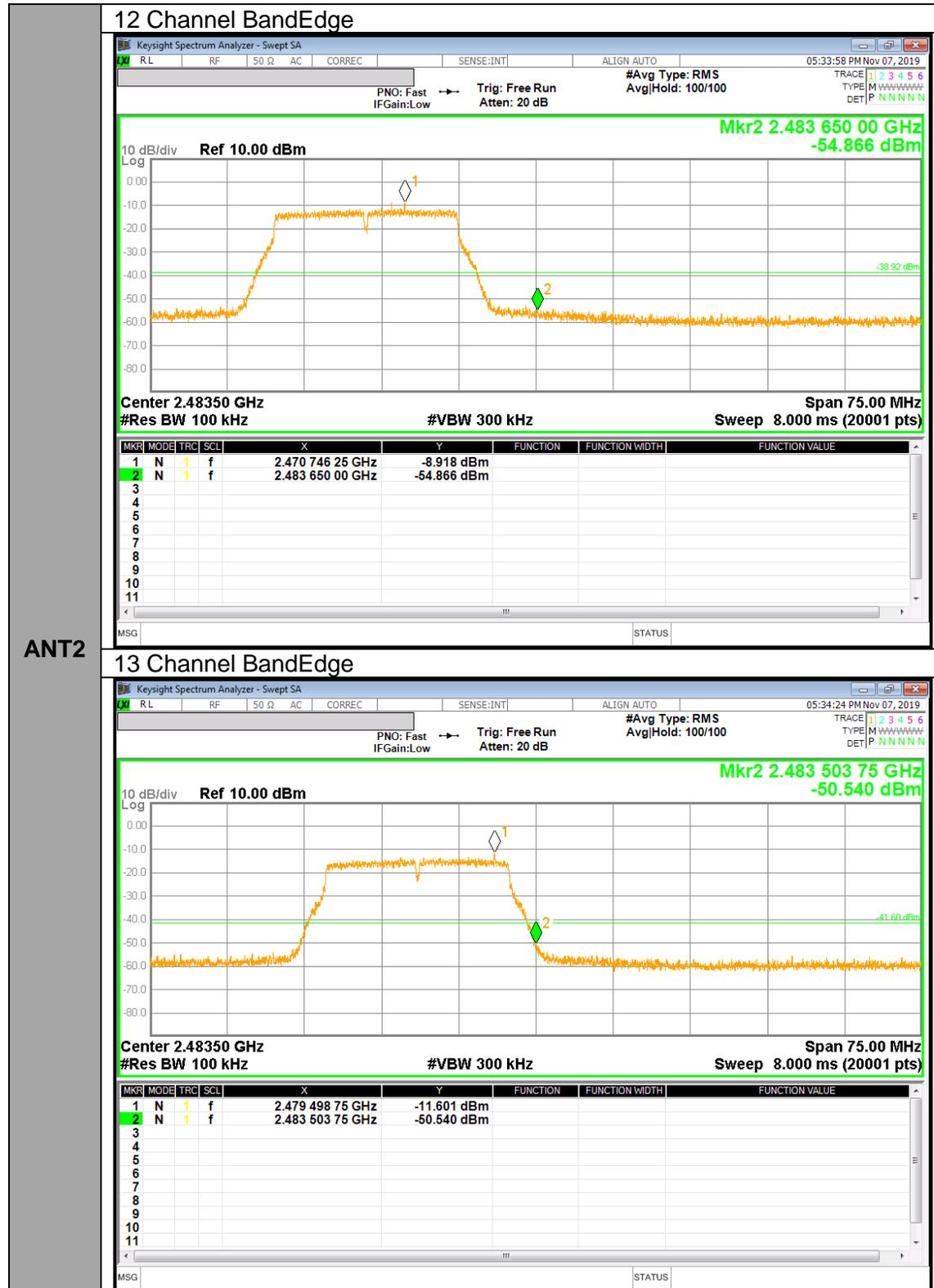






ANT2





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.

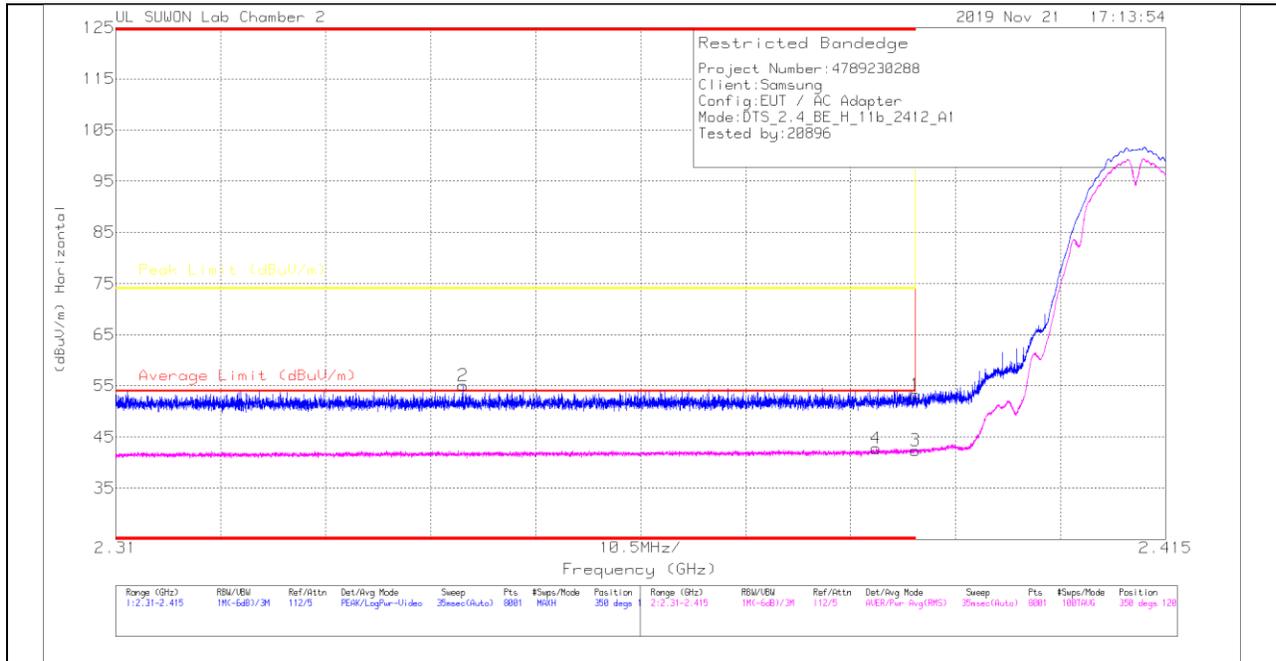
Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site.
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field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

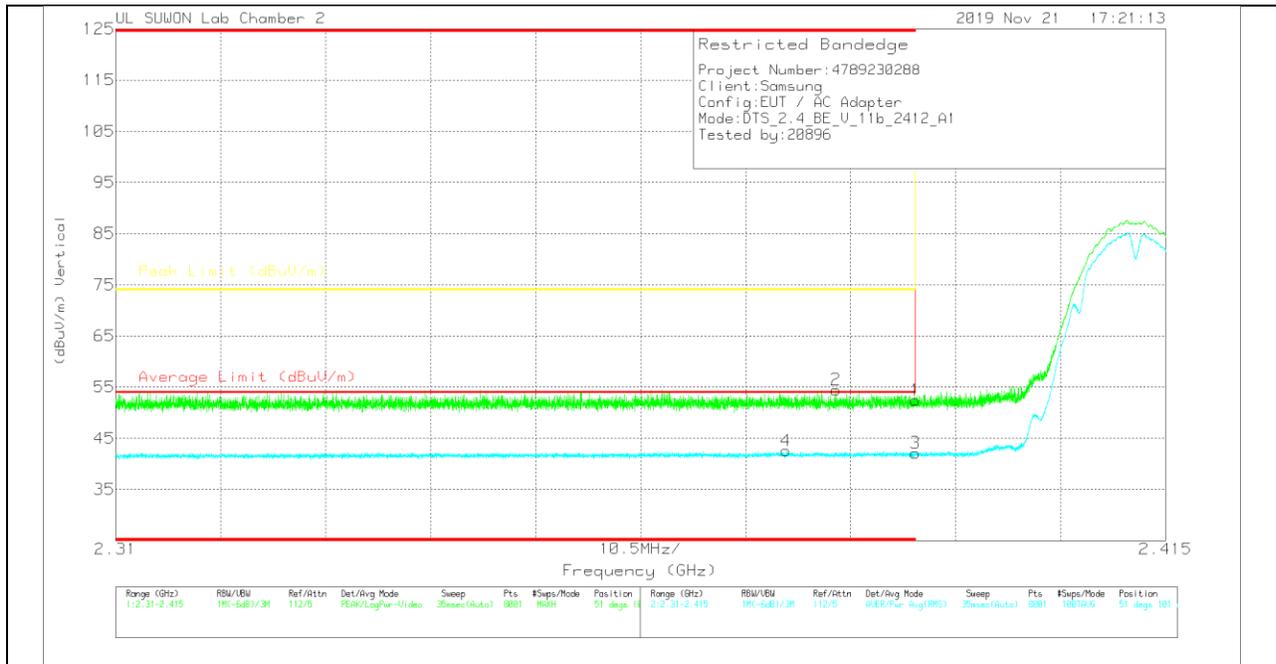
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.33	Pk	31.6	-20.6	0	53.33	-	-	74	-20.67	350	120	H
2	* 2.34473	44.16	Pk	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 (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	41.46	Pk	31.6	-20.6	0	22.46	-	-	74	-21.54	51	101	V
2	* 2.38204	43.59	Pk	31.6	-20.7	0	54.49	-	-	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

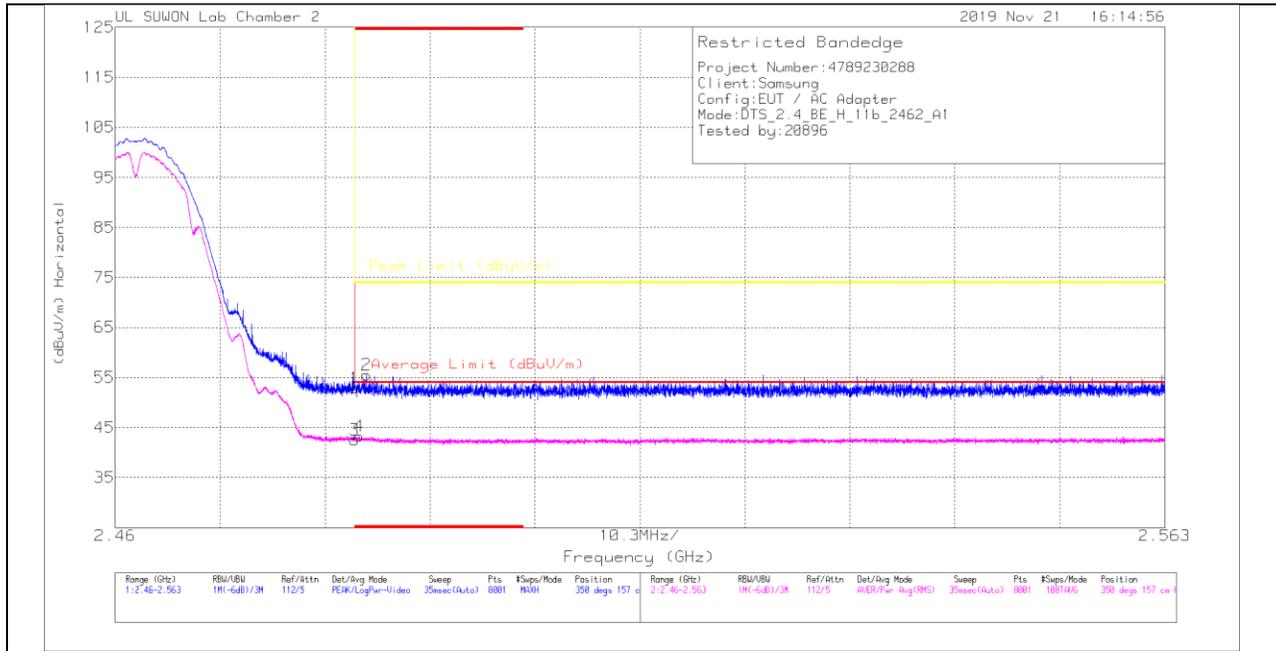
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

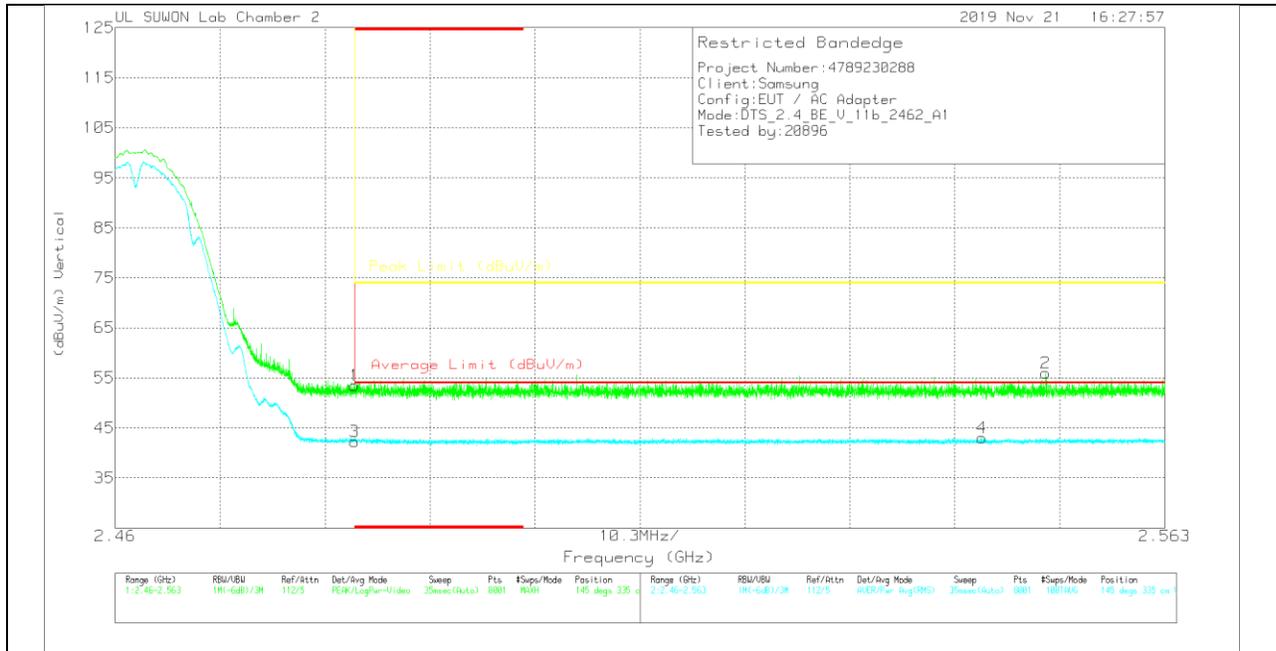
Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.39	Pk	31.9	-20.4	0	52.89	-	-	74	-21.11	350	157	H
2	* 2.48464	44.05	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	2.55134	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

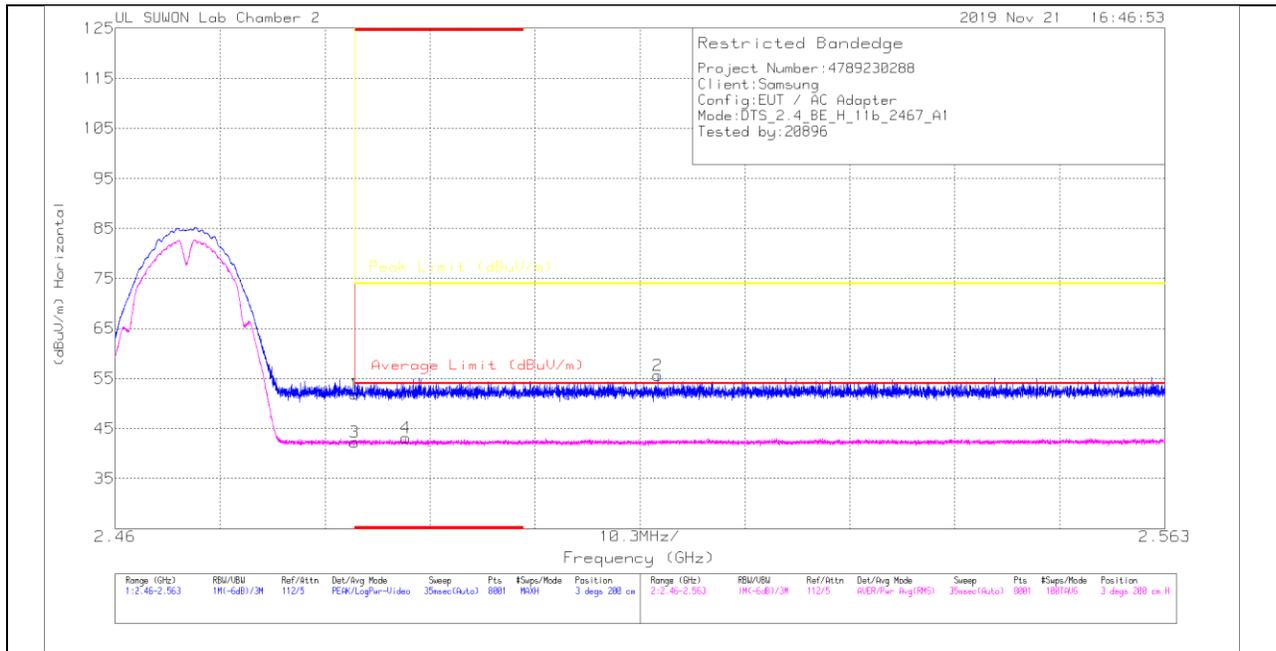
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

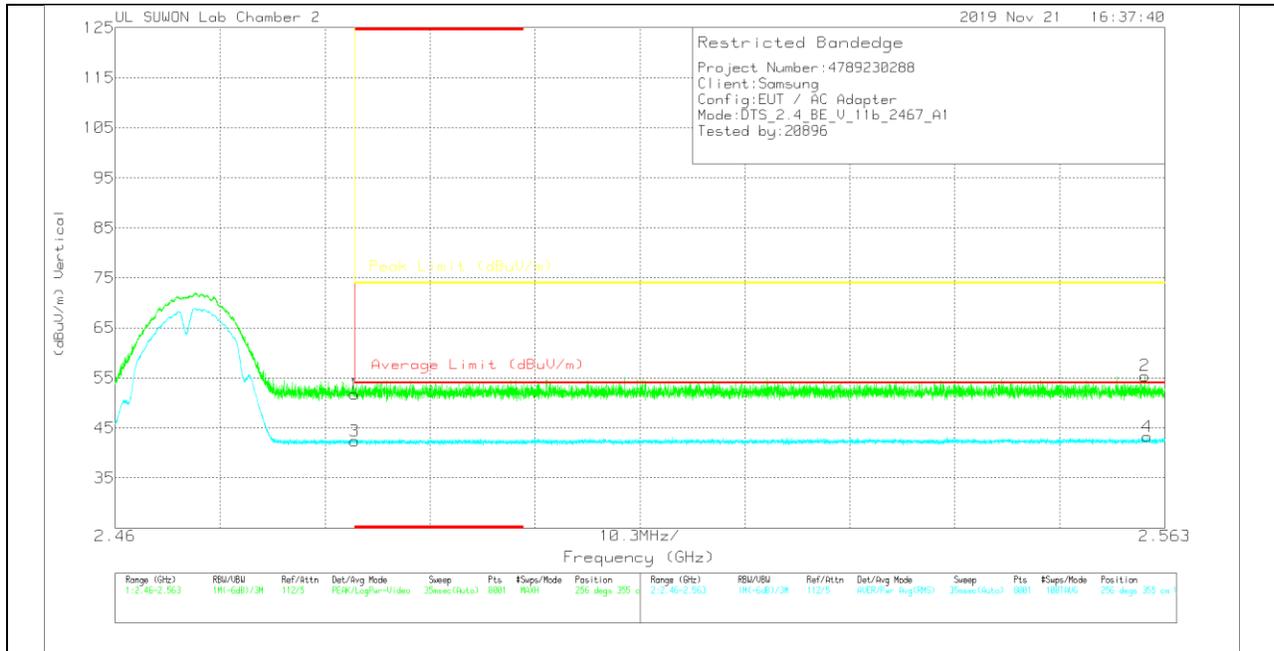
Marker	Frequency (GHz)	Meter Reading (dBu)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	40.37	Pk	31.9	-20.4	0	51.87	-	-	74	-22.13	3	200	H
2	2.51323	44.14	Pk	31.9	-20.4	0	55.64	-	-	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

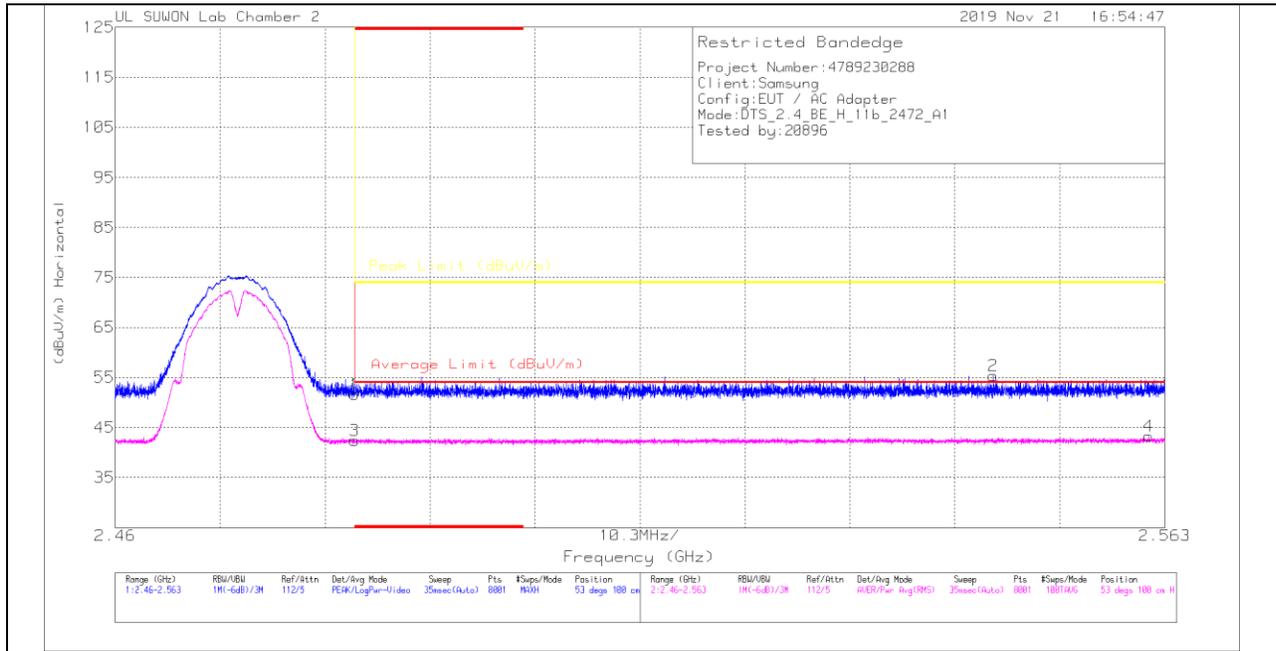
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



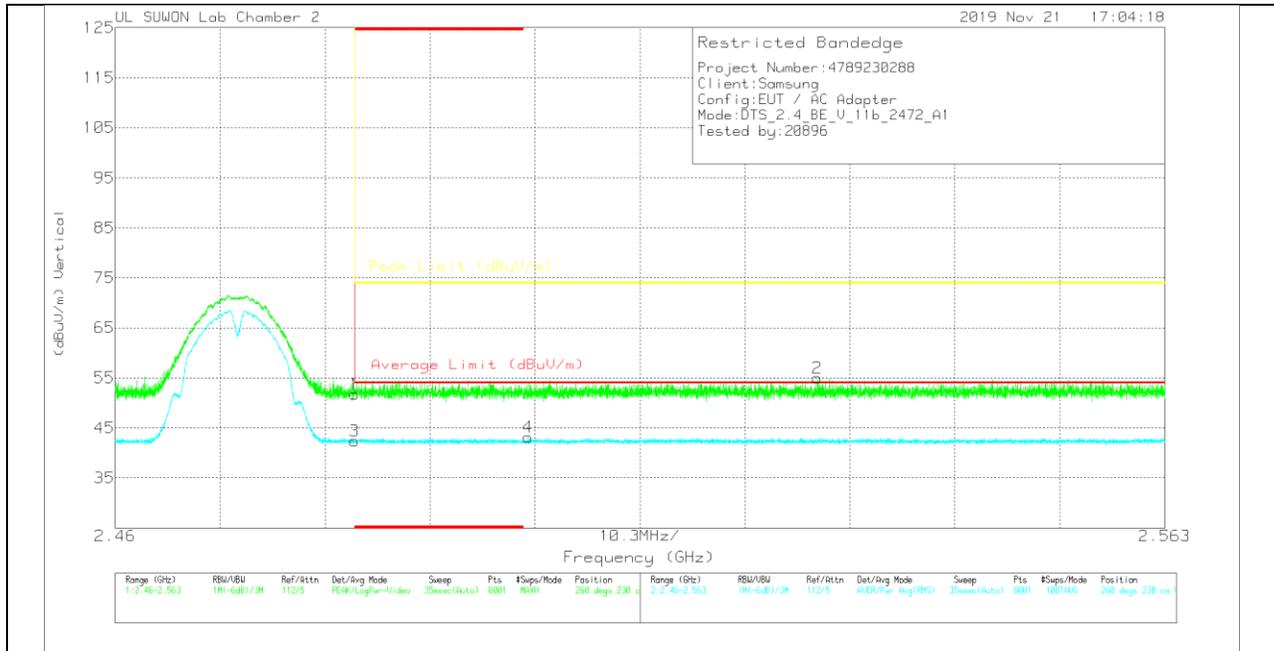
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (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	40.09	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

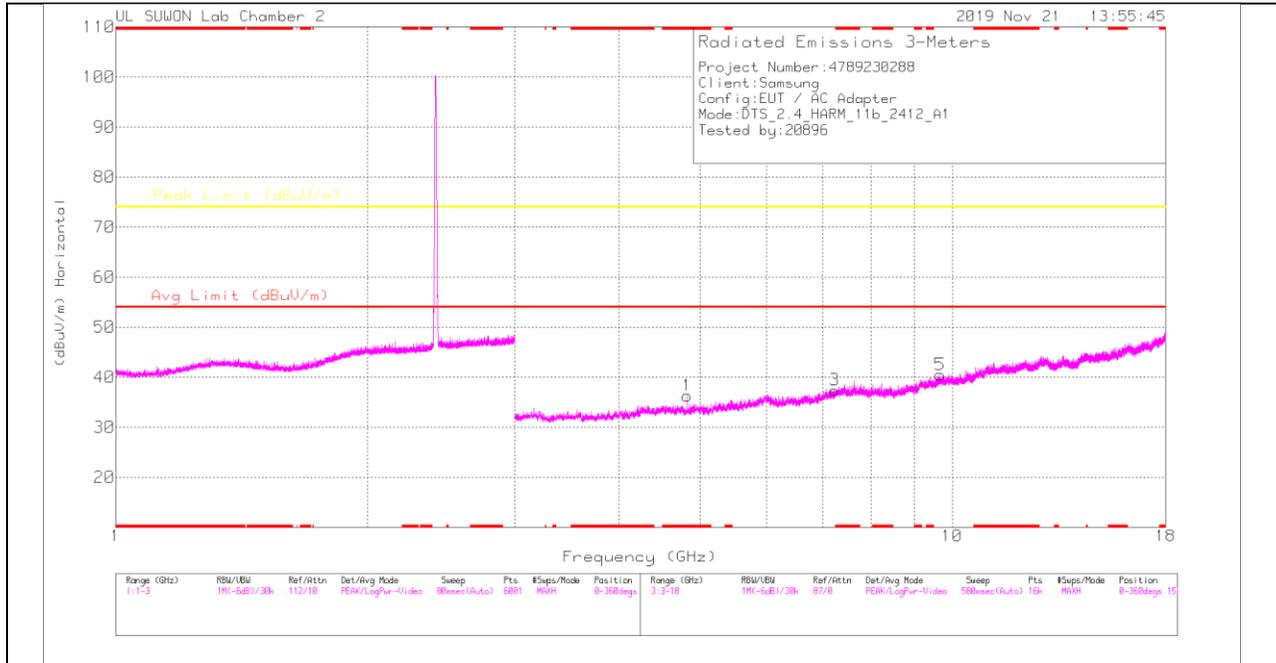
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

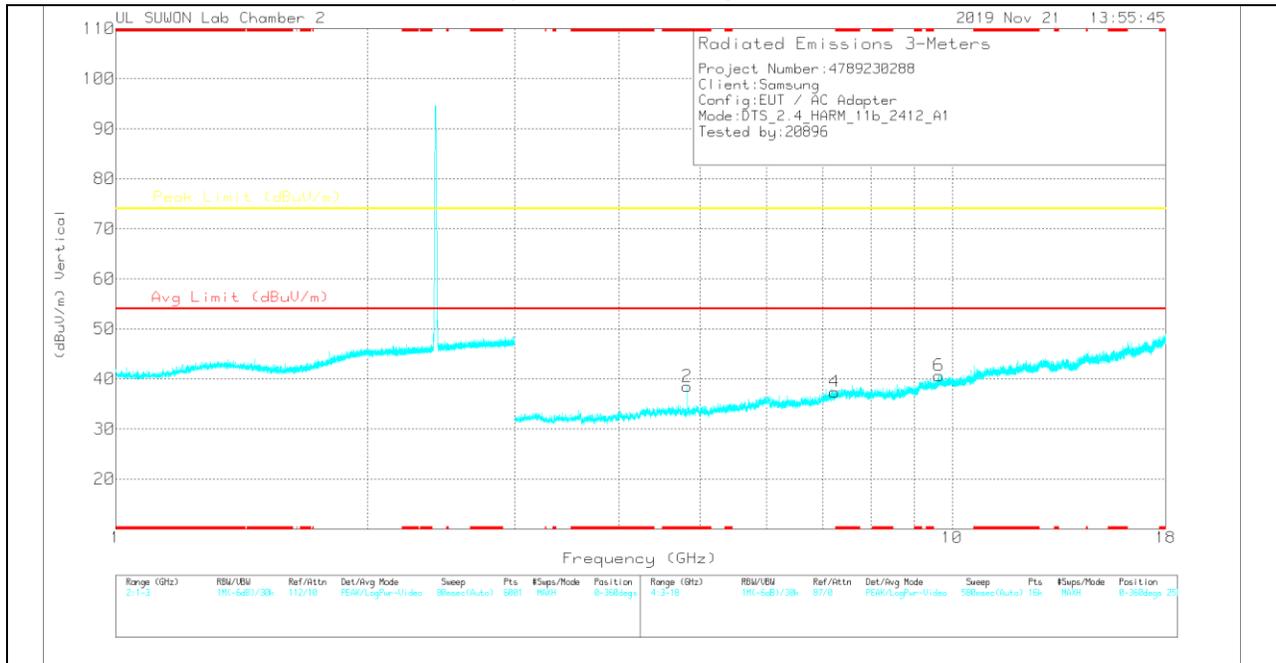
RMS - RMS detection

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

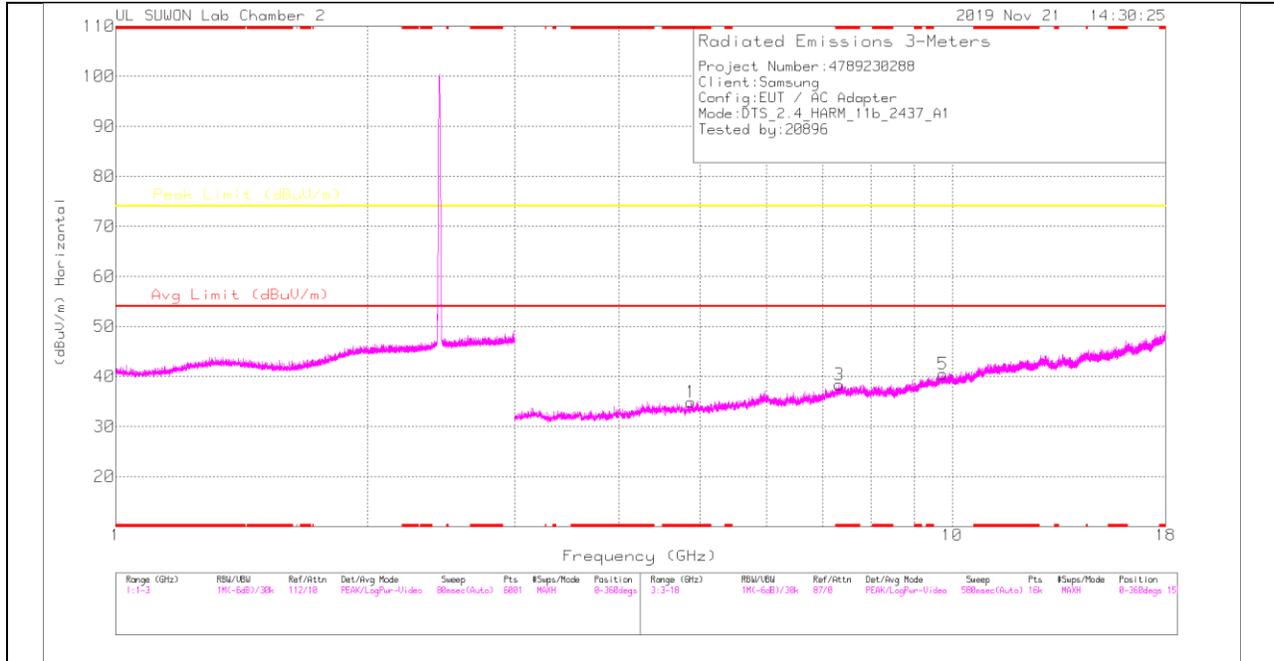
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872 4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82396	38.35	PK2	34	-28.1	0	44.25	-	-	74	-29.75	143	103	H
* 4.82404	29.93	MAv1	34	-28.1	0	35.83	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

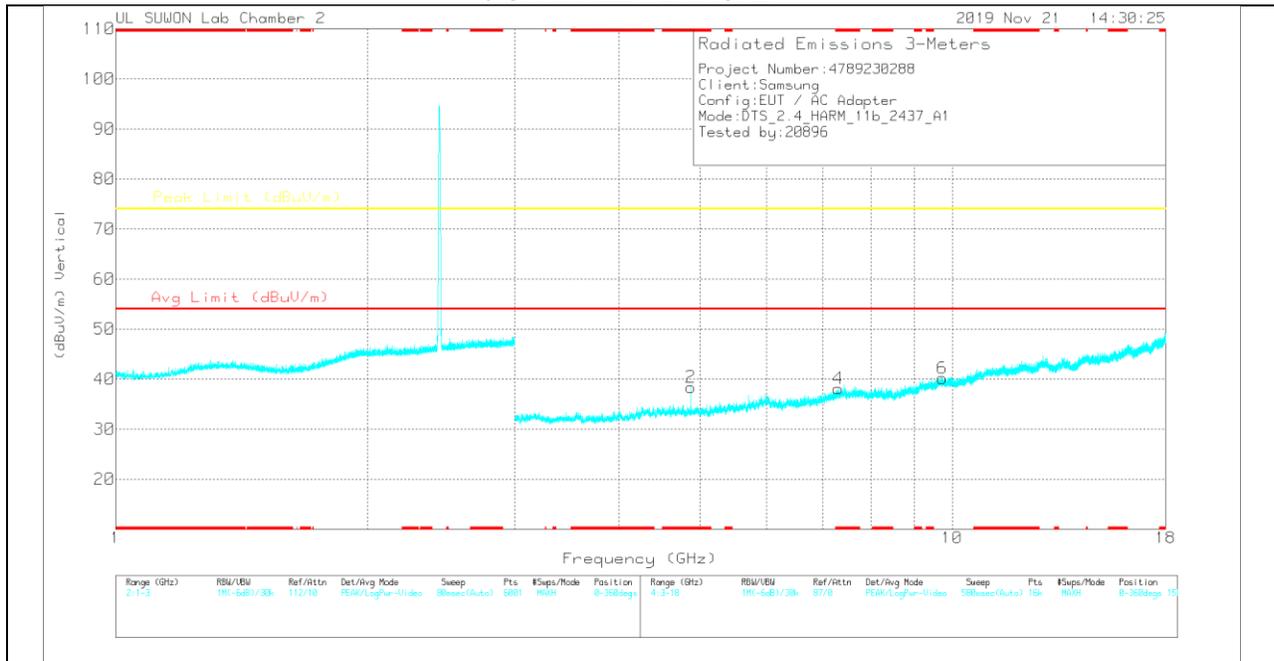
PK2 - KDB558074 Method: Maximum Peak

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

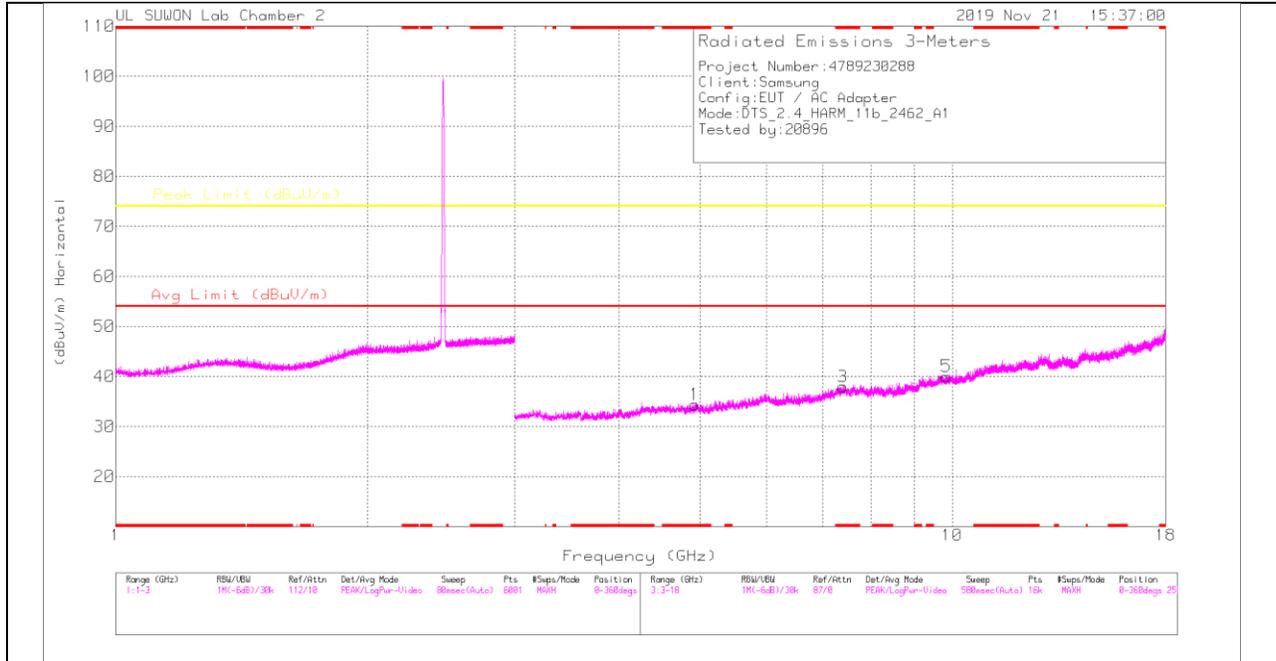
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87418	38.15	PK2	34	-27.9	0	44.25	-	-	74	-29.75	139	102	H
* 4.87402	30.05	MAv1	34	-27.9	0	36.15	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

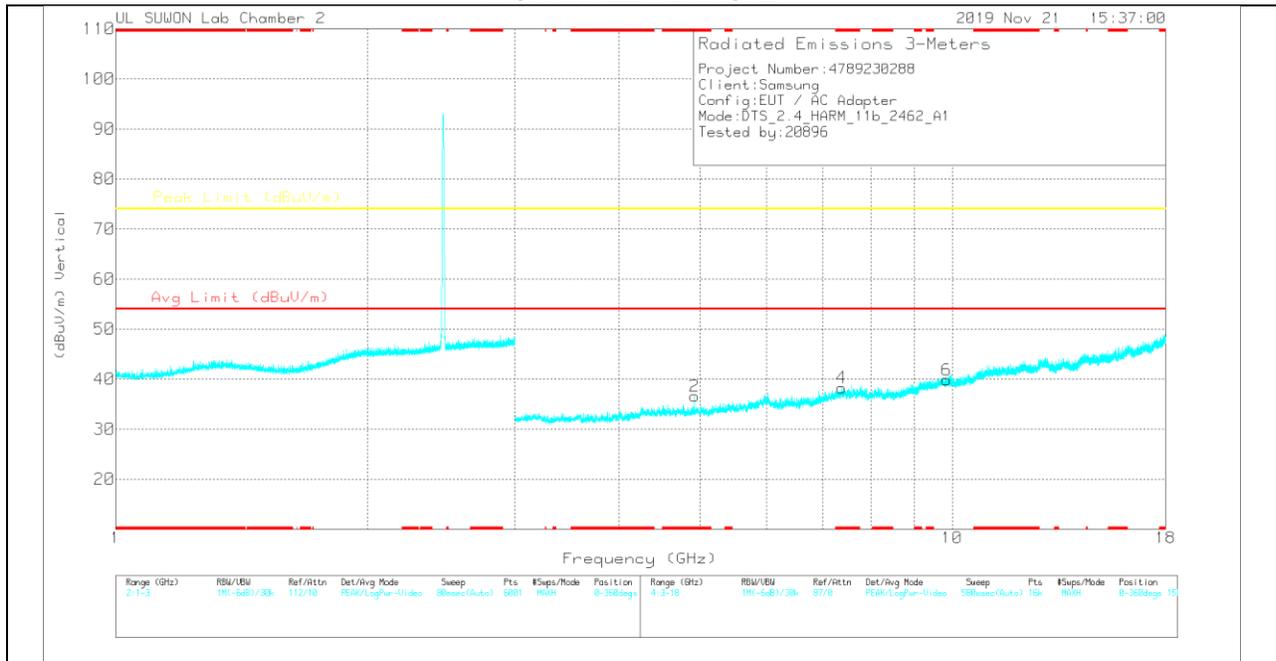
PK2 - KDB558074 Method: Maximum Peak

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

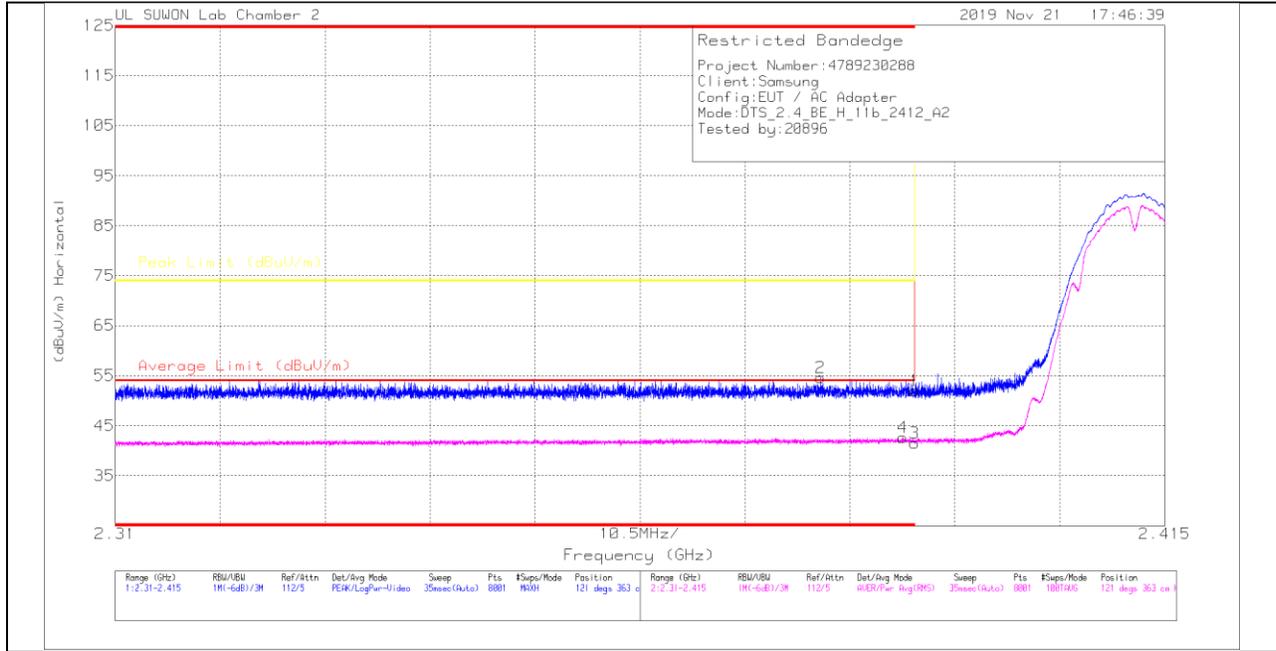
PK2 - KDB558074 Method: Maximum Peak

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

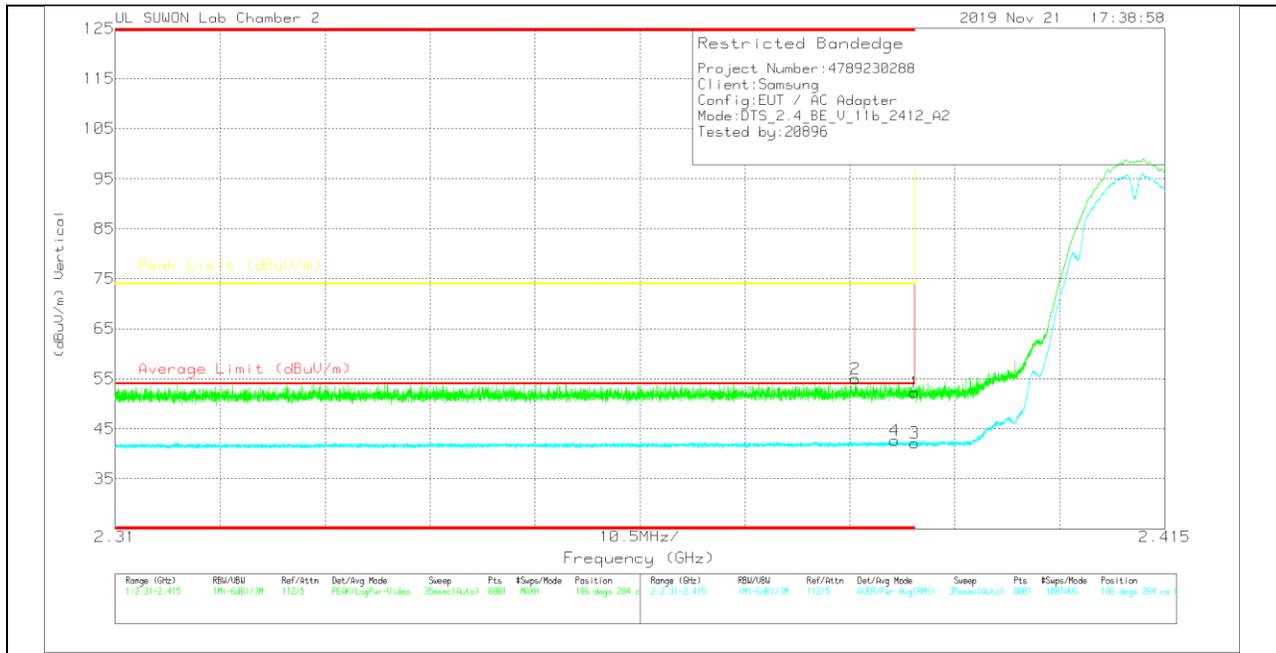
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.01	Pk	31.6	-20.6	0	52.01	-	-	74	-21.99	121	363	H
2	* 2.38057	43.61	Pk	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

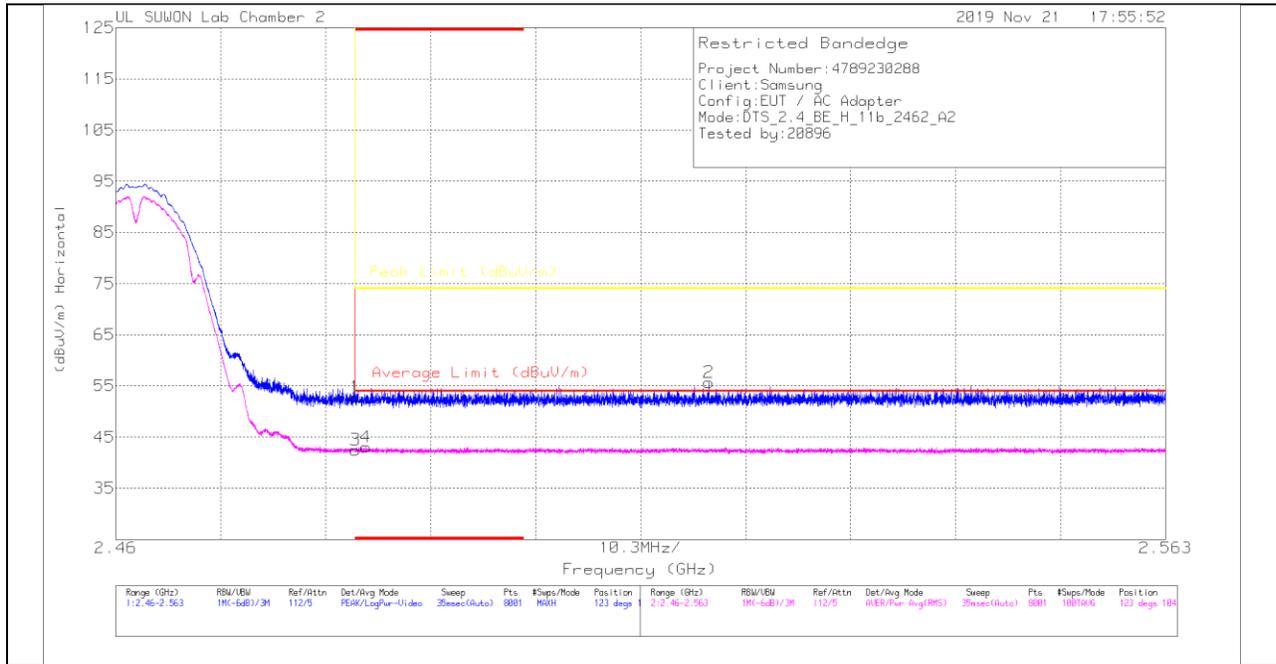
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

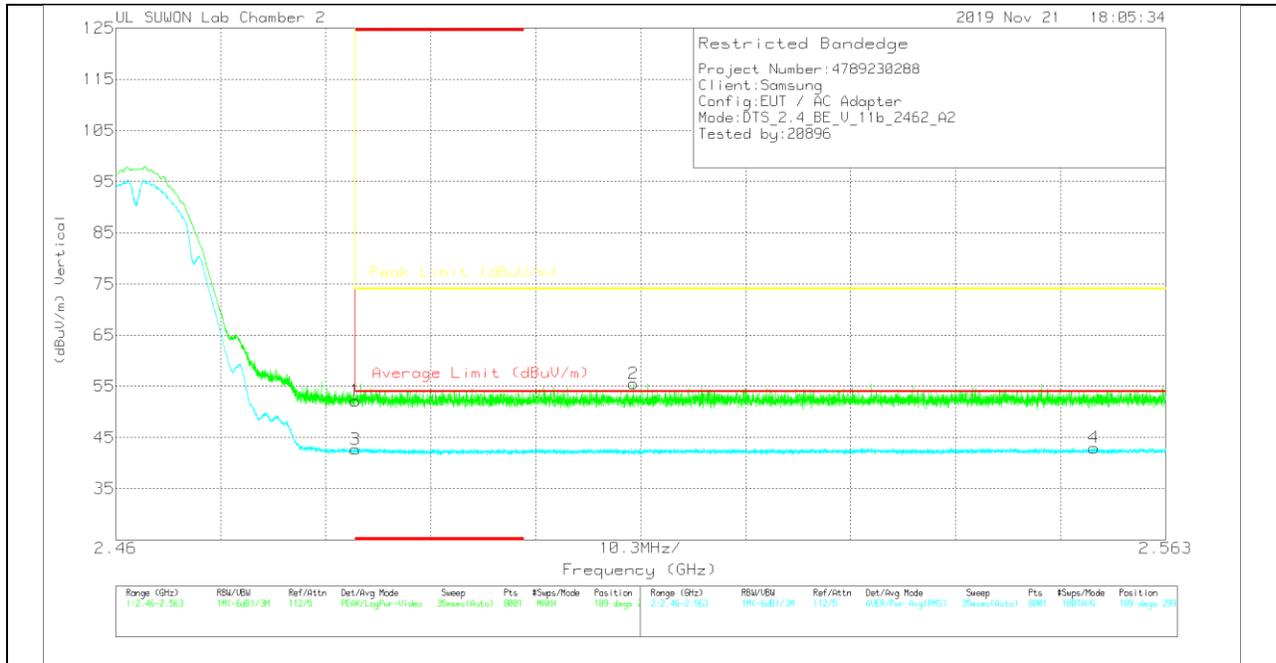
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.27	Pk	31.9	-20.4	0	52.77	-	-	74	-21.23	123	104	H
2	2.51818	44.19	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 Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (m)	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

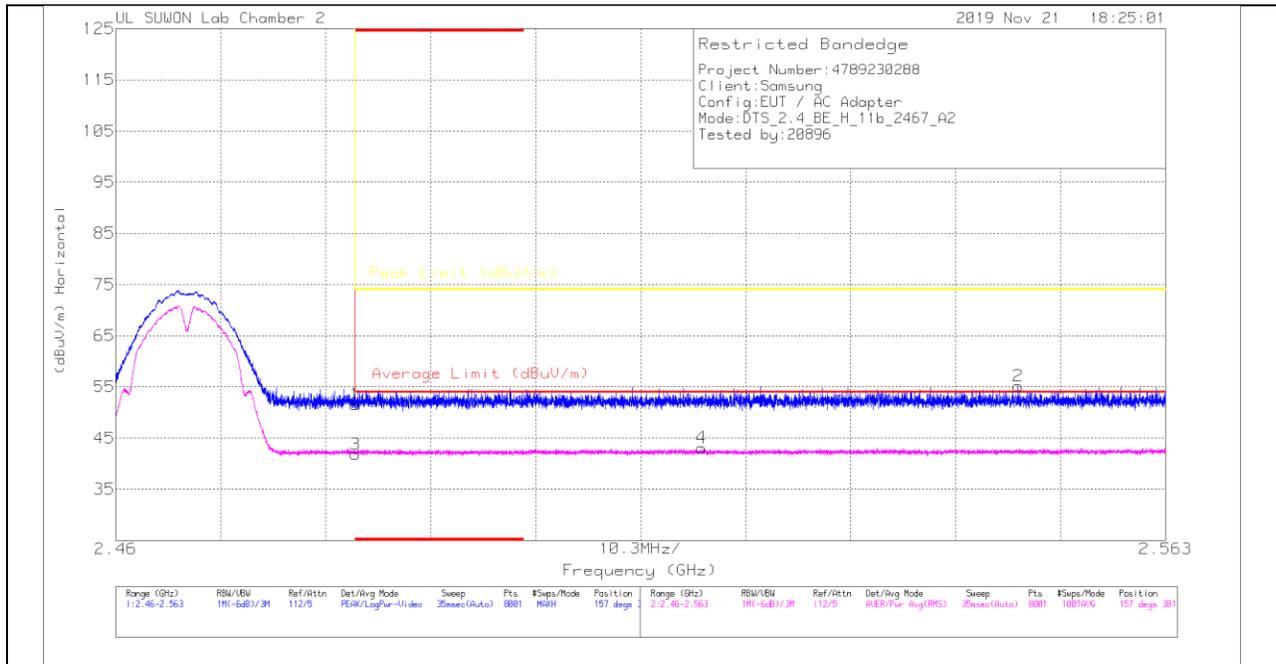
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

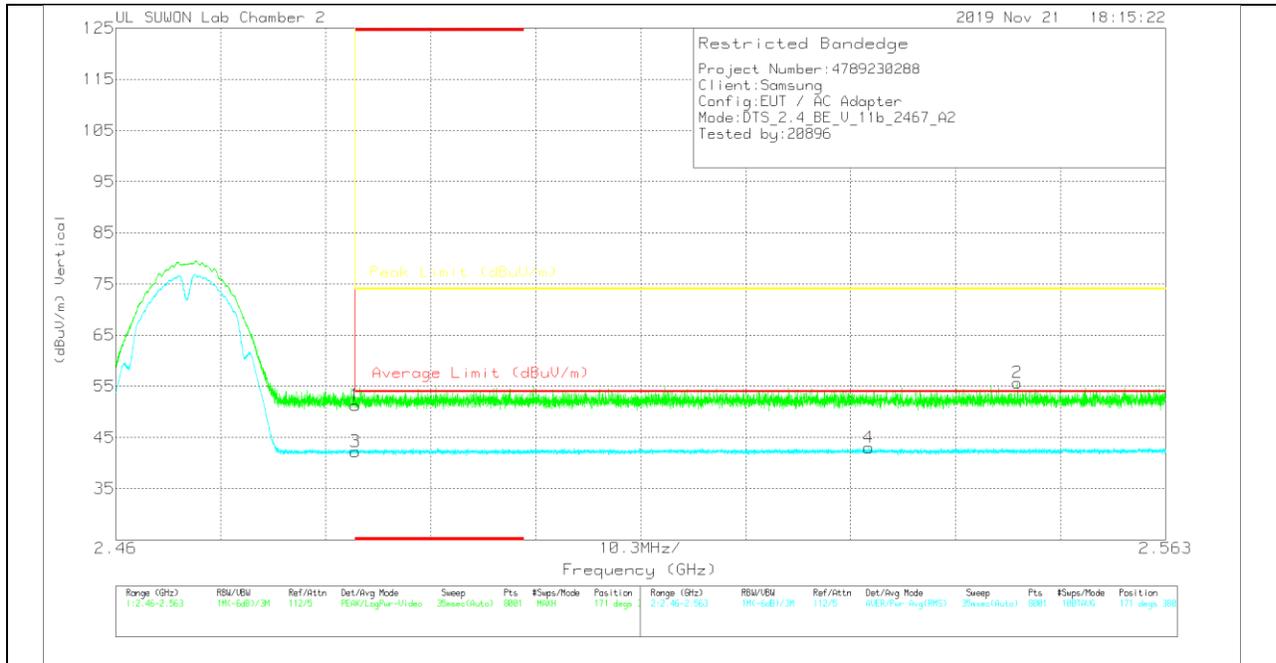
Marker	Frequency (GHz)	Meter Reading (dBu)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	40.05	Pk	31.9	-20.4	0	51.55	-	-	74	-22.45	157	381	H
2	2.54854	43.57	Pk	32	-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 Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (m)	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

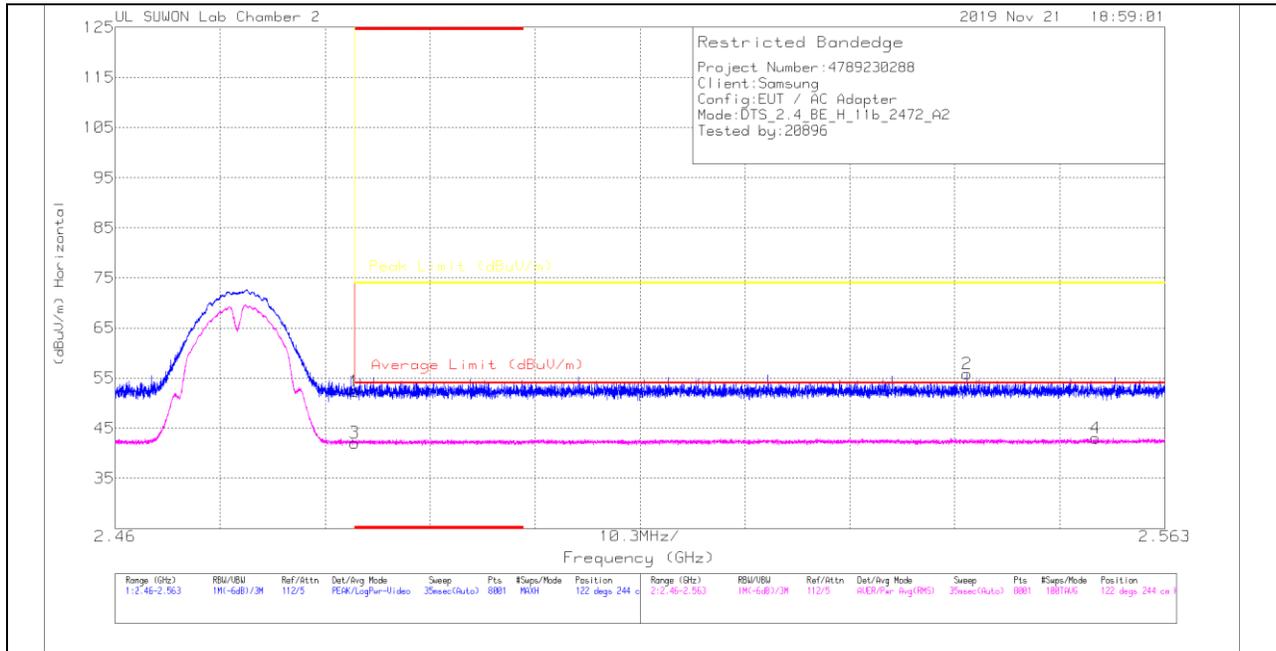
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

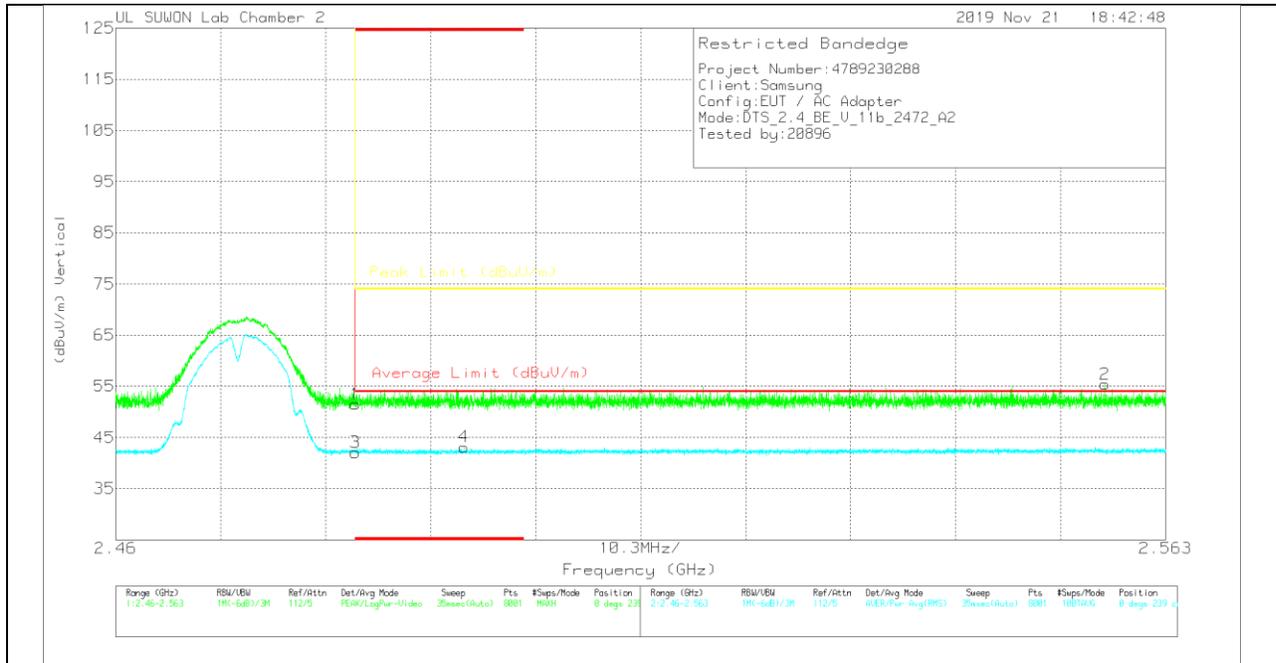
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	40.93	Pk	31.9	-20.4	0	52.43	-	-	74	-21.57	122	244	H
2	2.54362	44.23	Pk	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 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	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

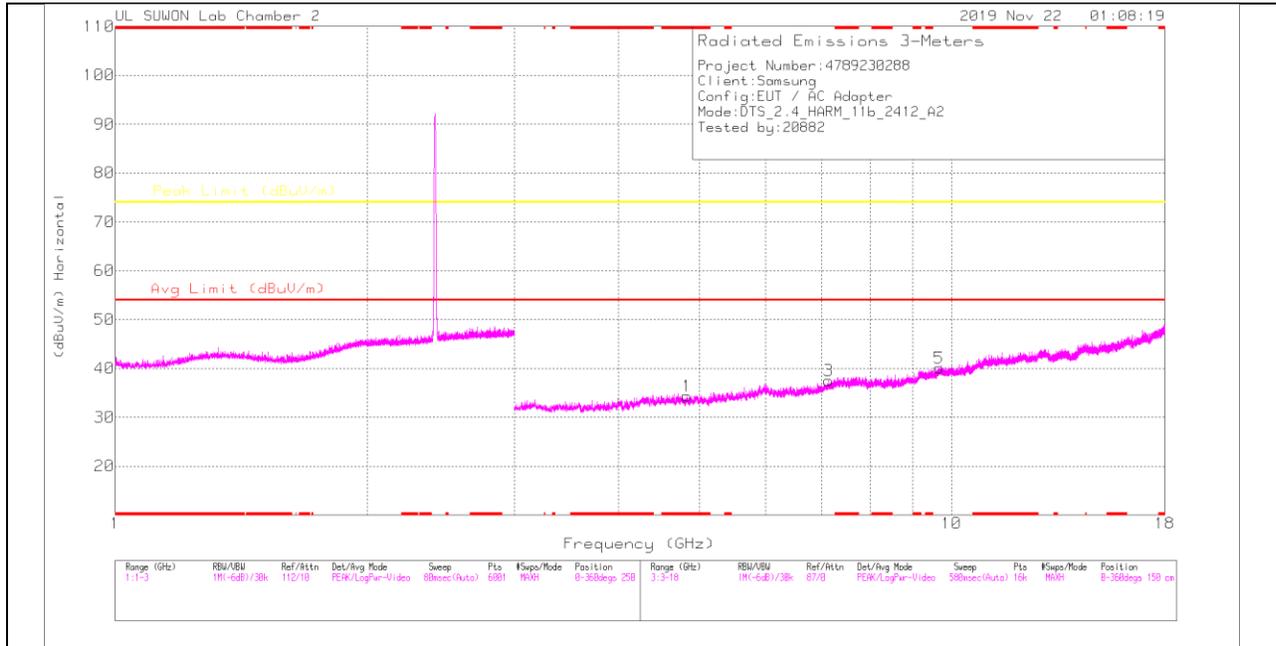
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

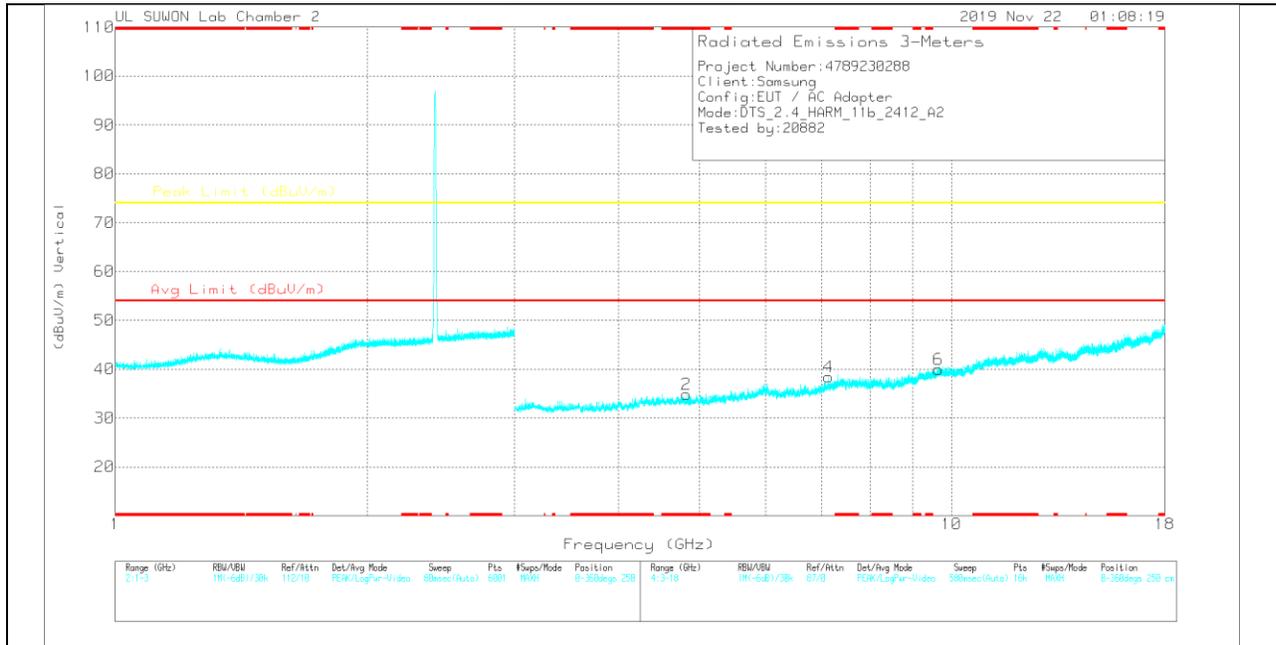
RMS - RMS detection

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

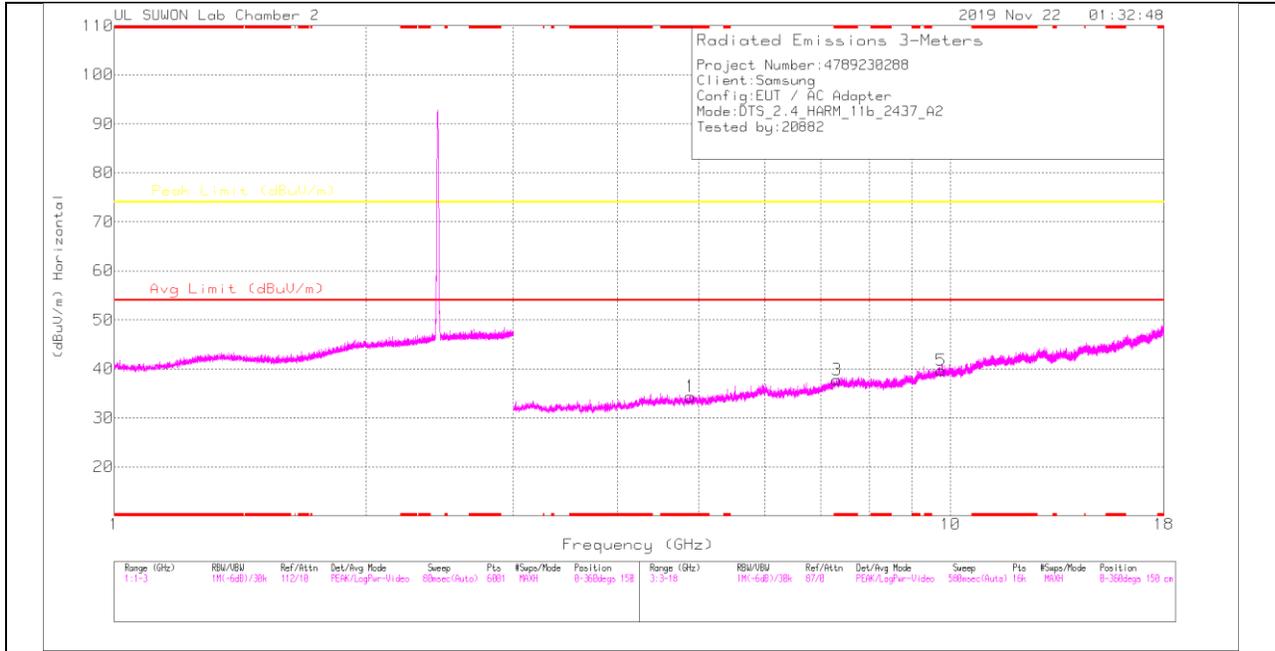
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82795	37.04	PK2	34	-28.1	0	42.94	-	-	74	-31.06	360	100	H
* 4.82611	37.38	PK2	34	-28.1	0	43.28	-	-	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

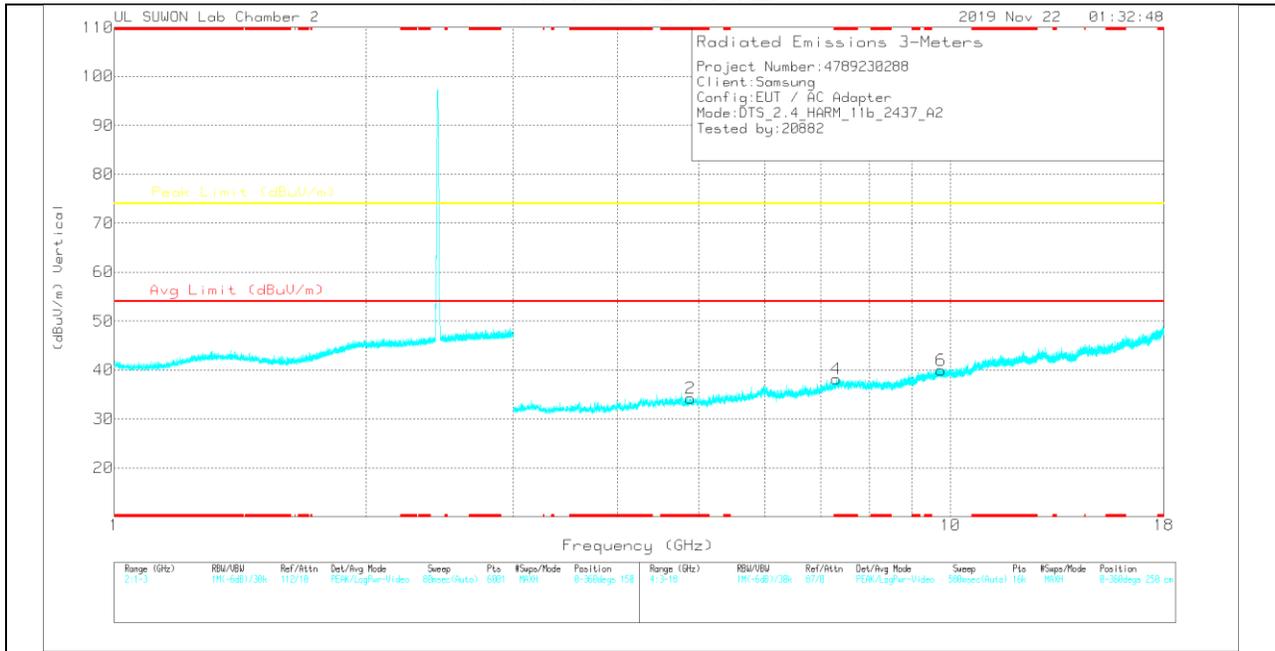
PK2 - KDB558074 Method: Maximum Peak

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

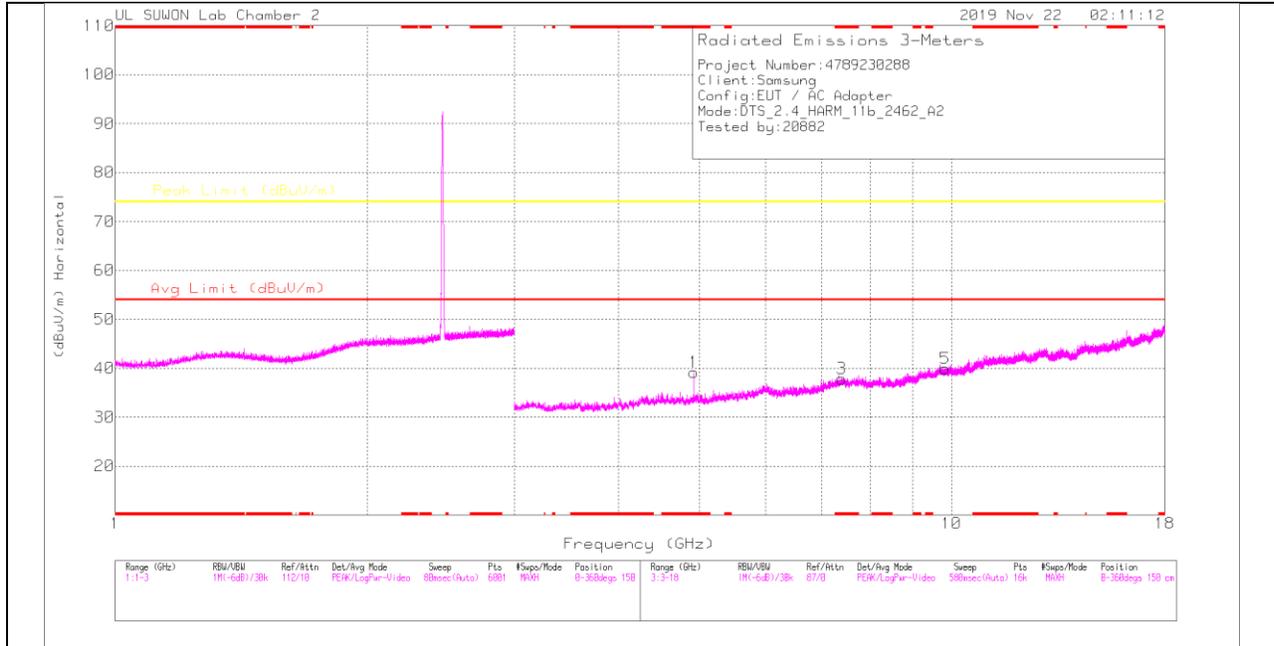
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

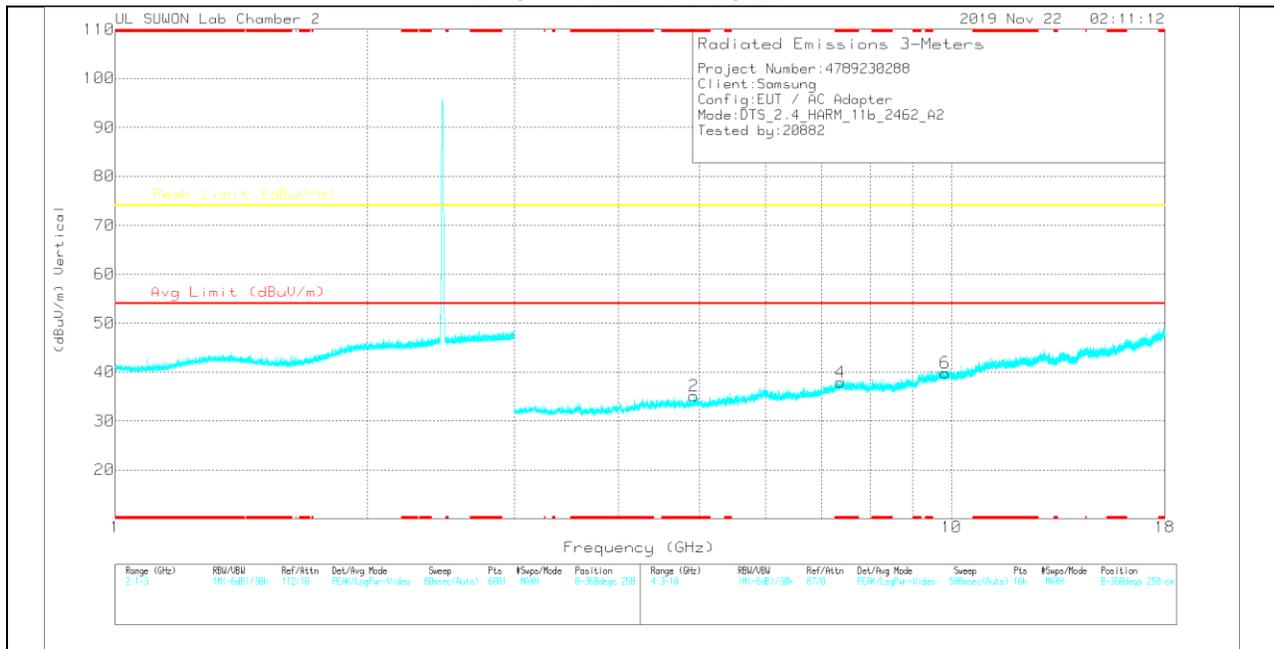
MAv1 - KDB558074 Option 1 Maximum RMS Average

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

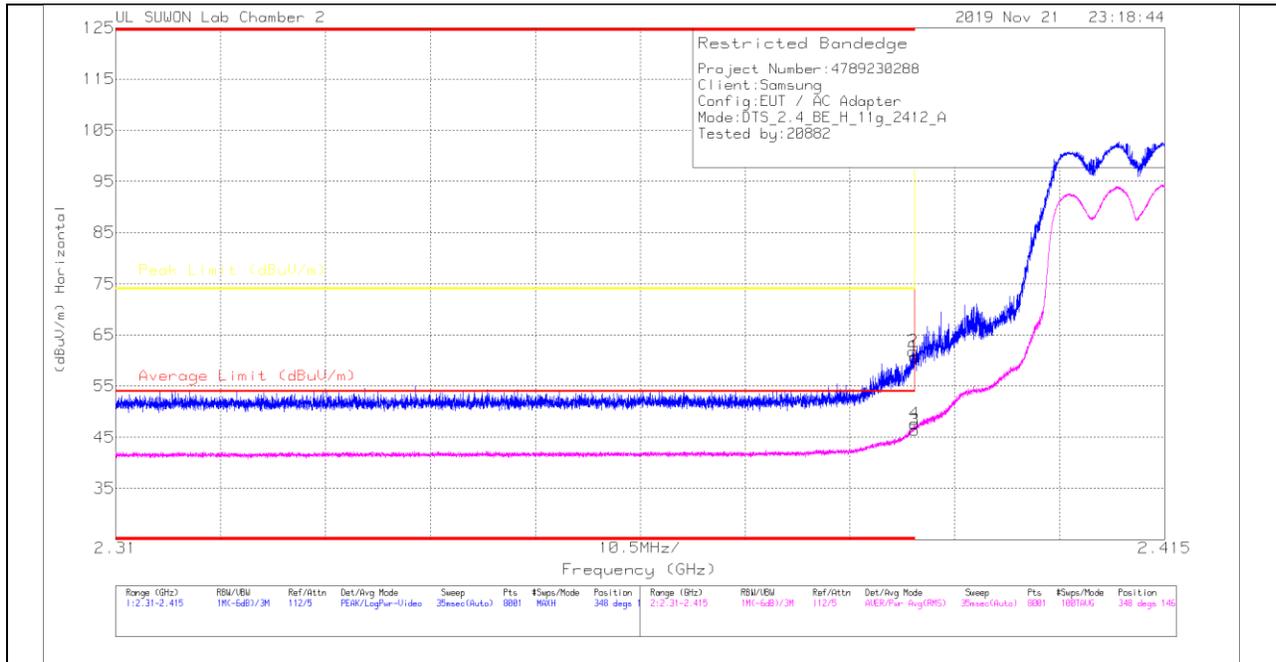
PK2 - KDB558074 Method: Maximum Peak

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

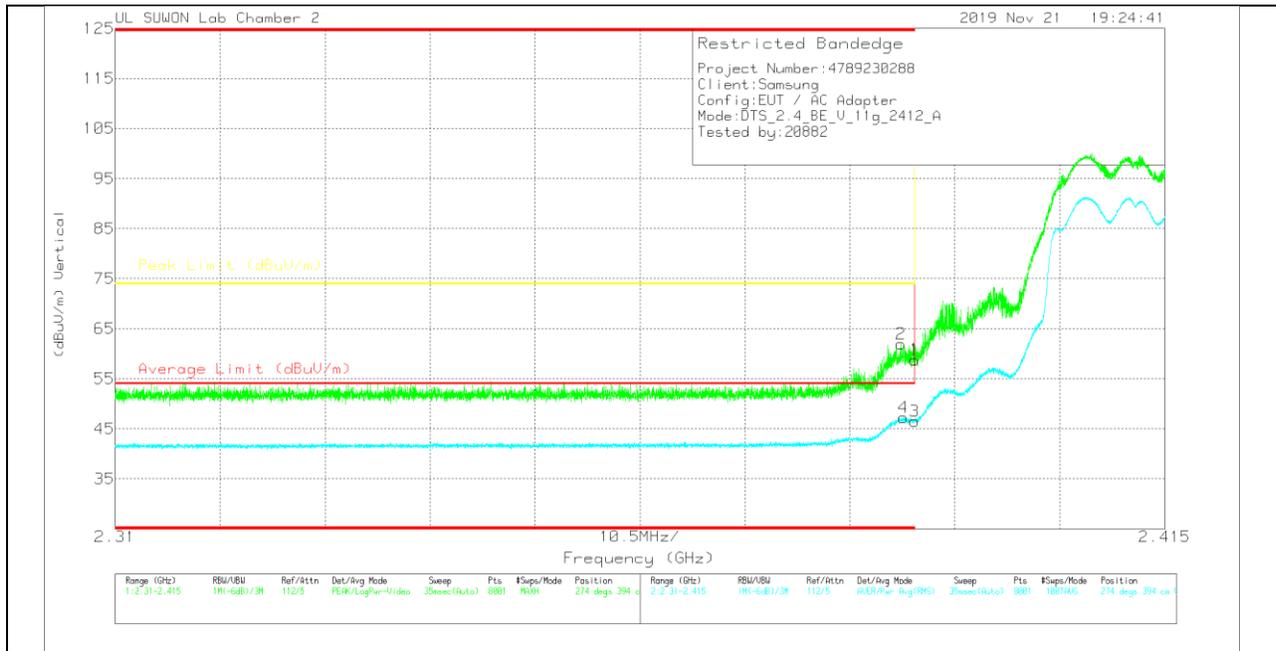
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
1	* 2.39	49.76	Pk	31.6	-20.6	0	60.76	-	-	74	-13.24	348	146	H
2	* 2.38983	50.82	Pk	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)	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	* 2.39	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

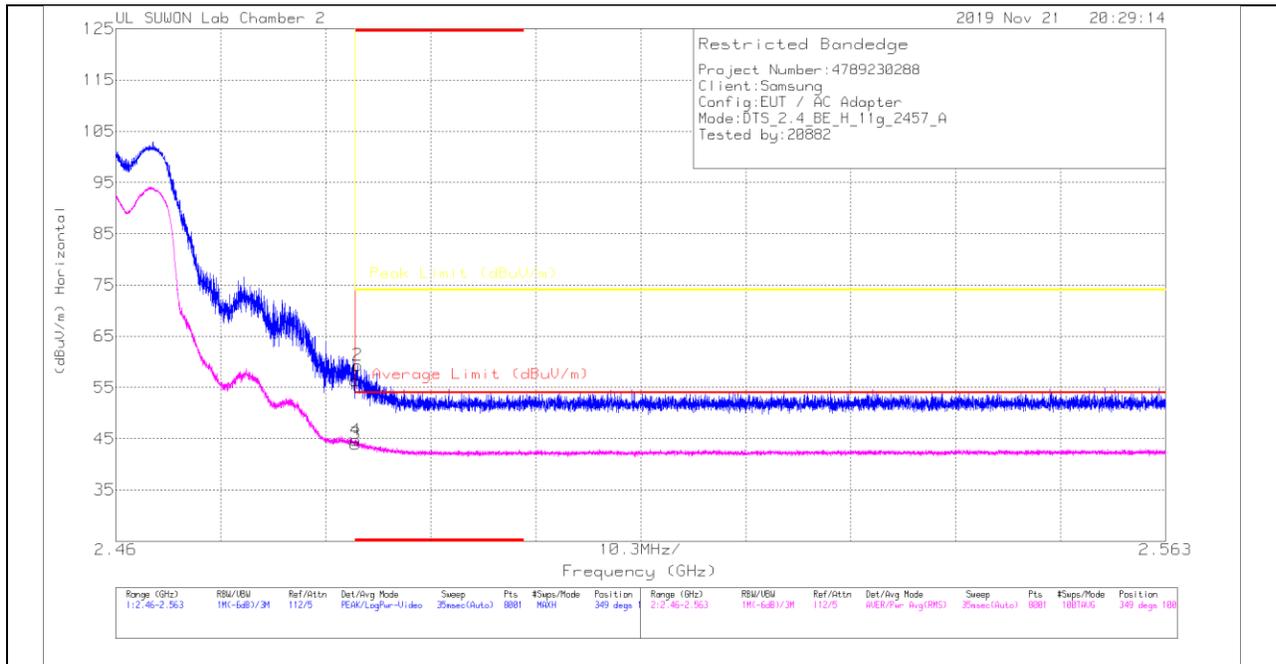
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (10 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

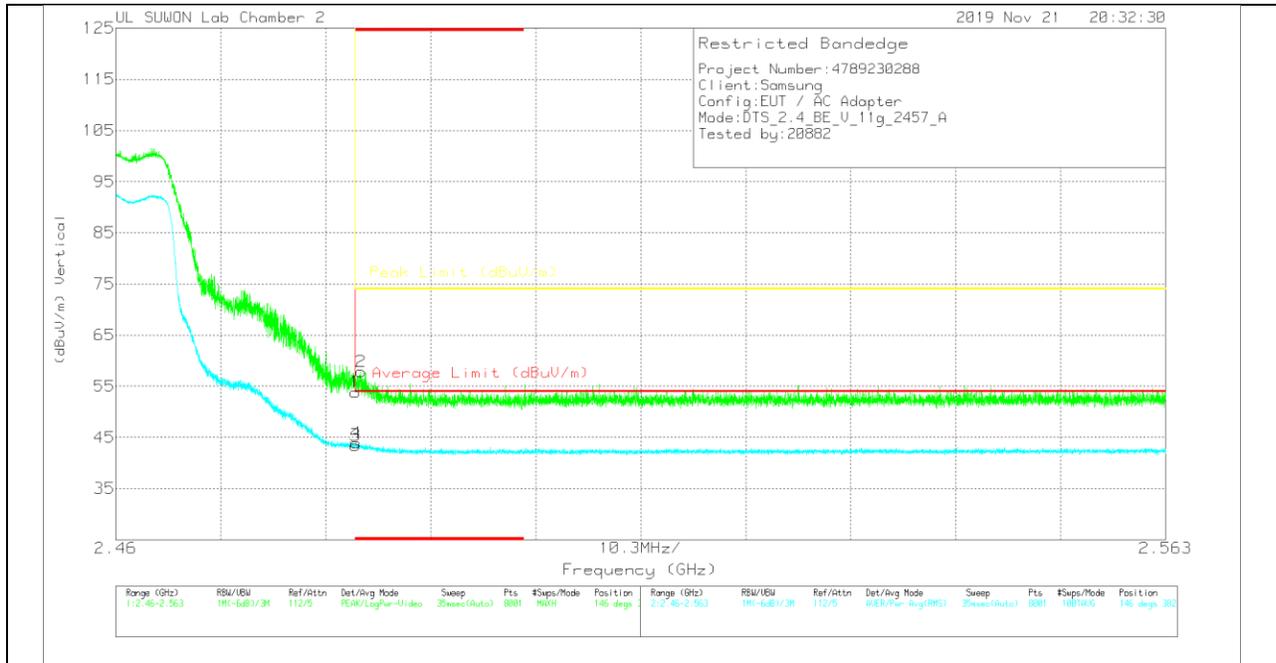
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	44.84	Pk	31.9	-20.4	0	56.34	-	-	74	-17.66	349	100	H
2	* 2.48372	47.86	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 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	42.39	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

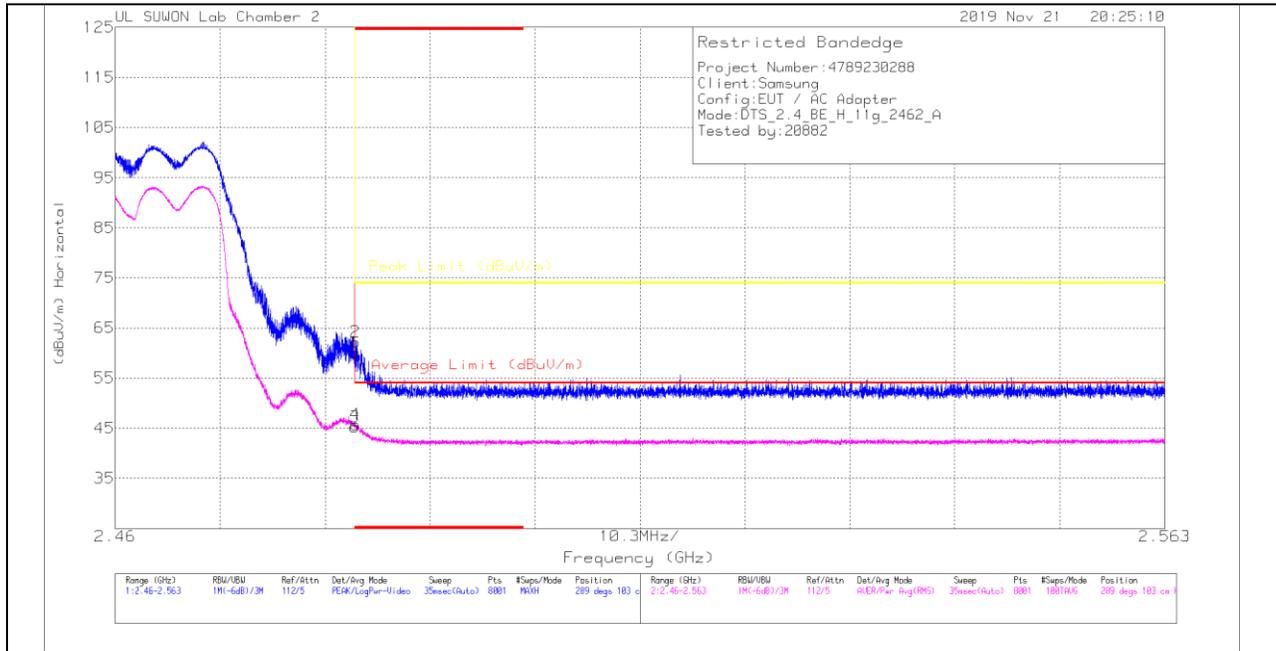
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

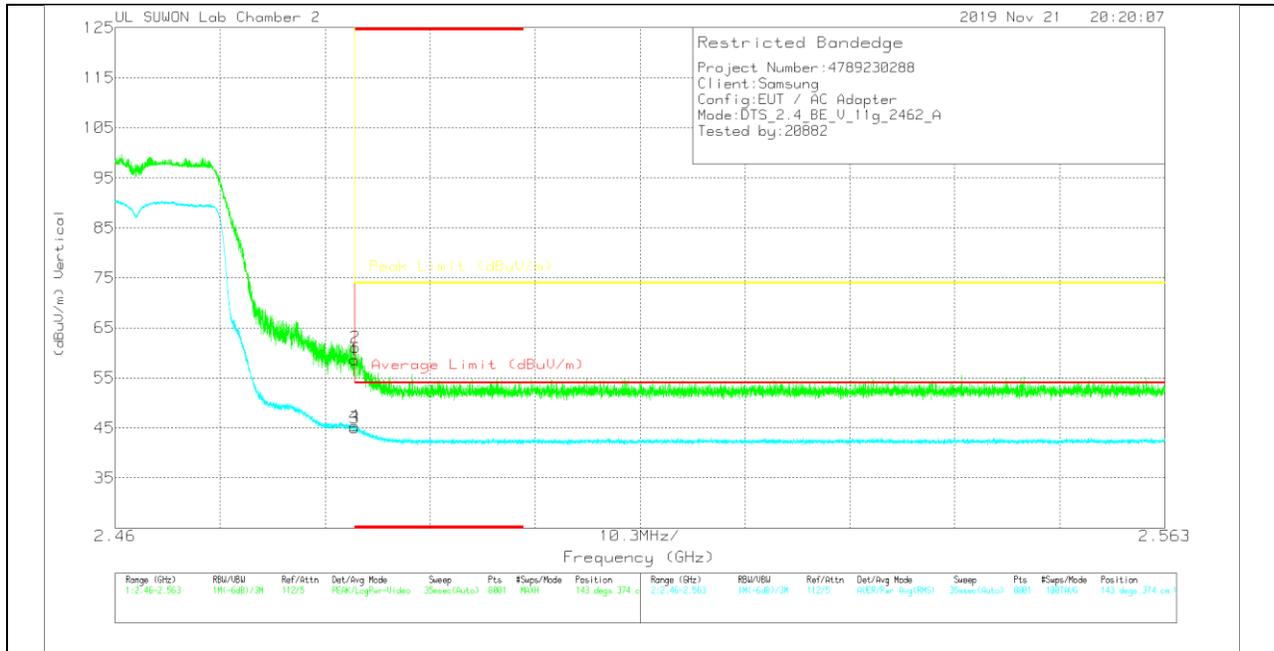
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.64	Pk	31.9	-20.4	0	60.14	-	-	74	-13.86	289	103	H
2	* 2.48354	50.71	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 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	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	33.55	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

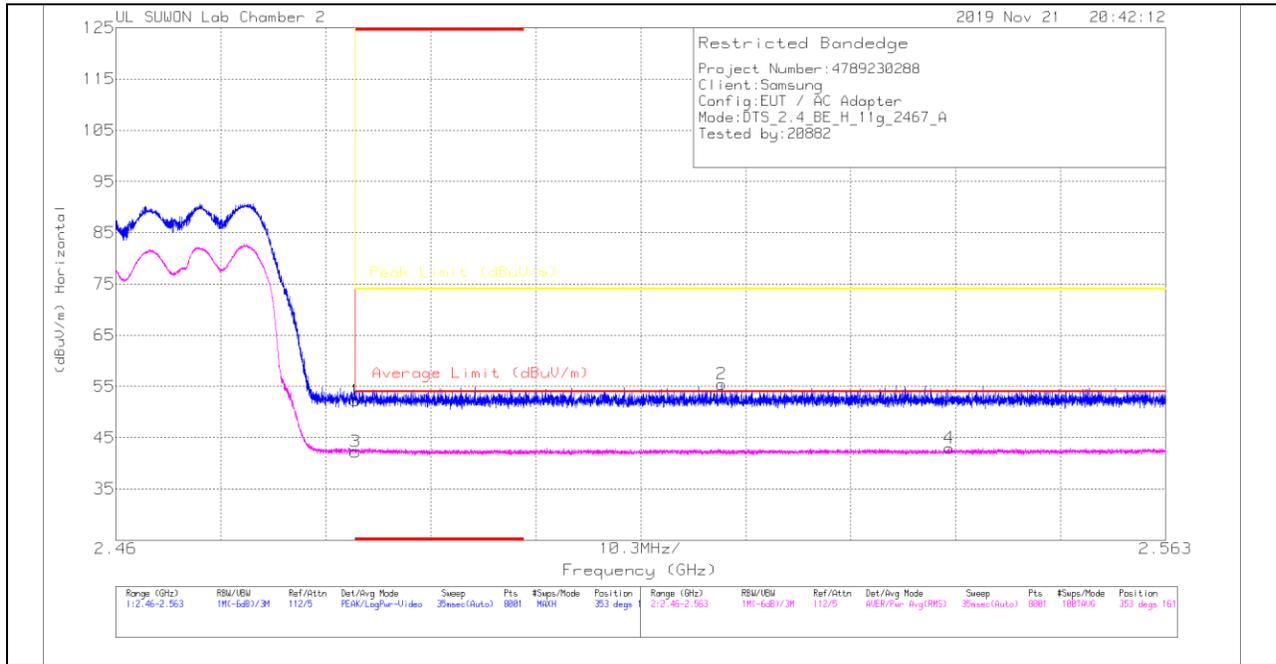
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

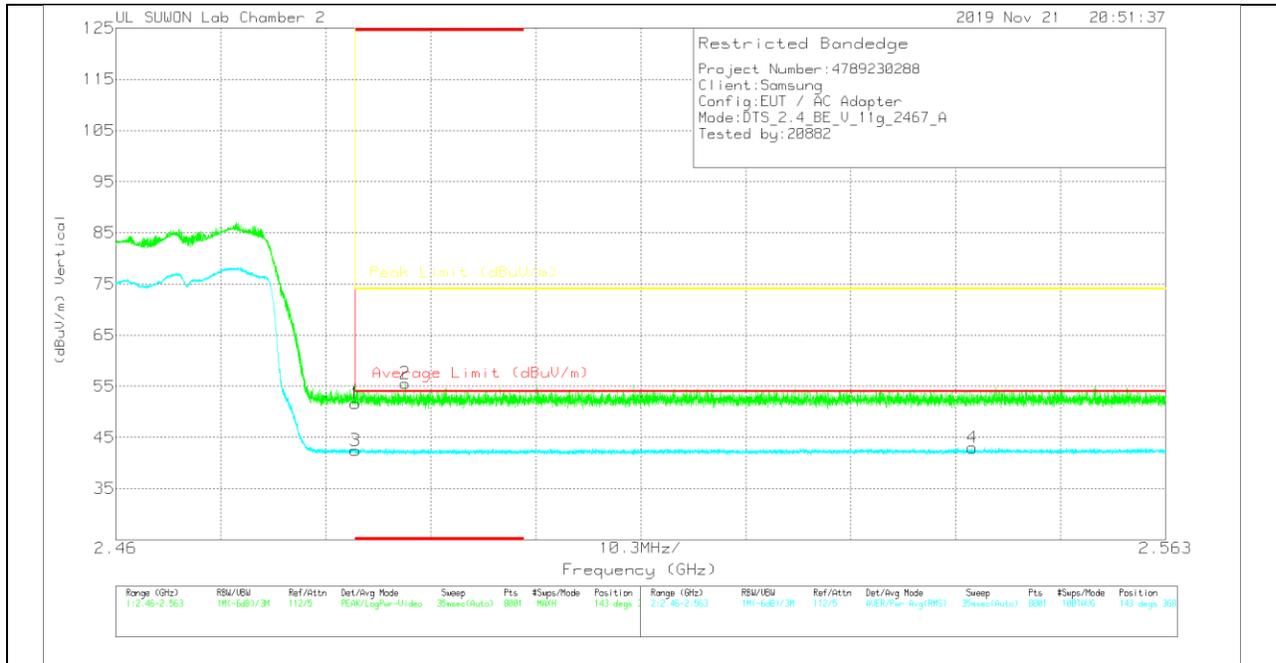
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	40.72	Pk	31.9	-20.4	0	52.22	-	-	74	-21.78	353	161	H
2	2.51946	43.98	Pk	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 Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
1	* 2.48351	40.14	PK	31.9	-20.4	0	51.64	-	-	74	-22.36	143	368	V
2	* 2.48339	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

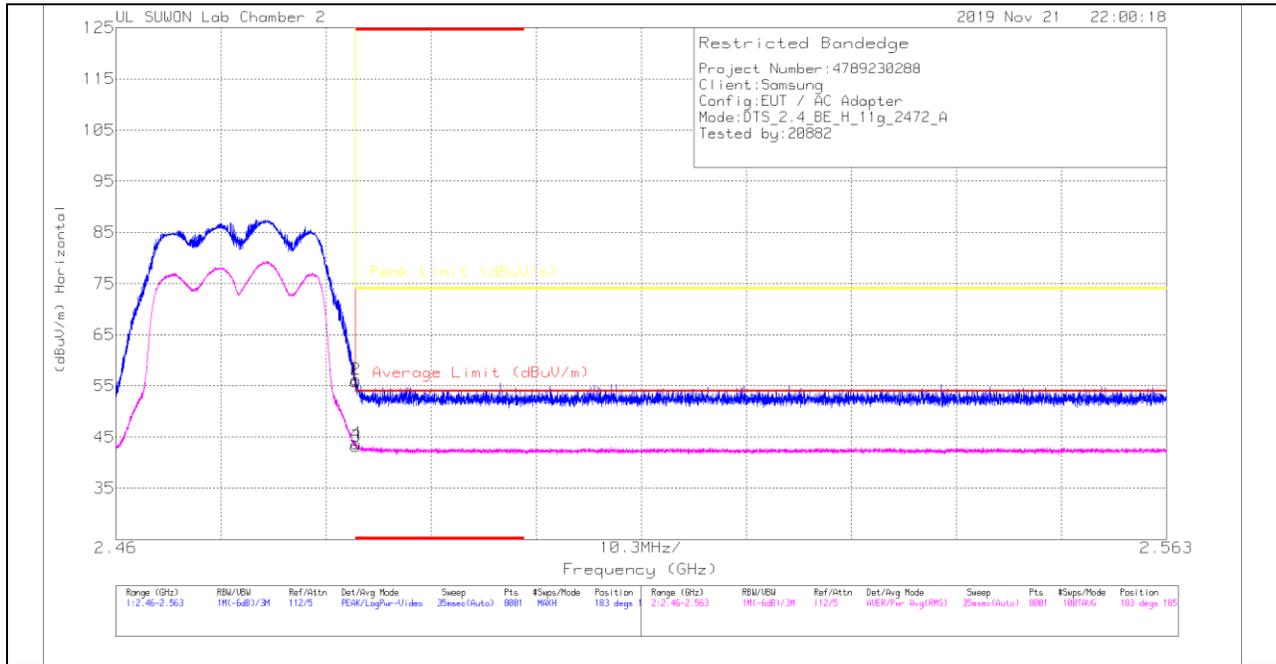
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

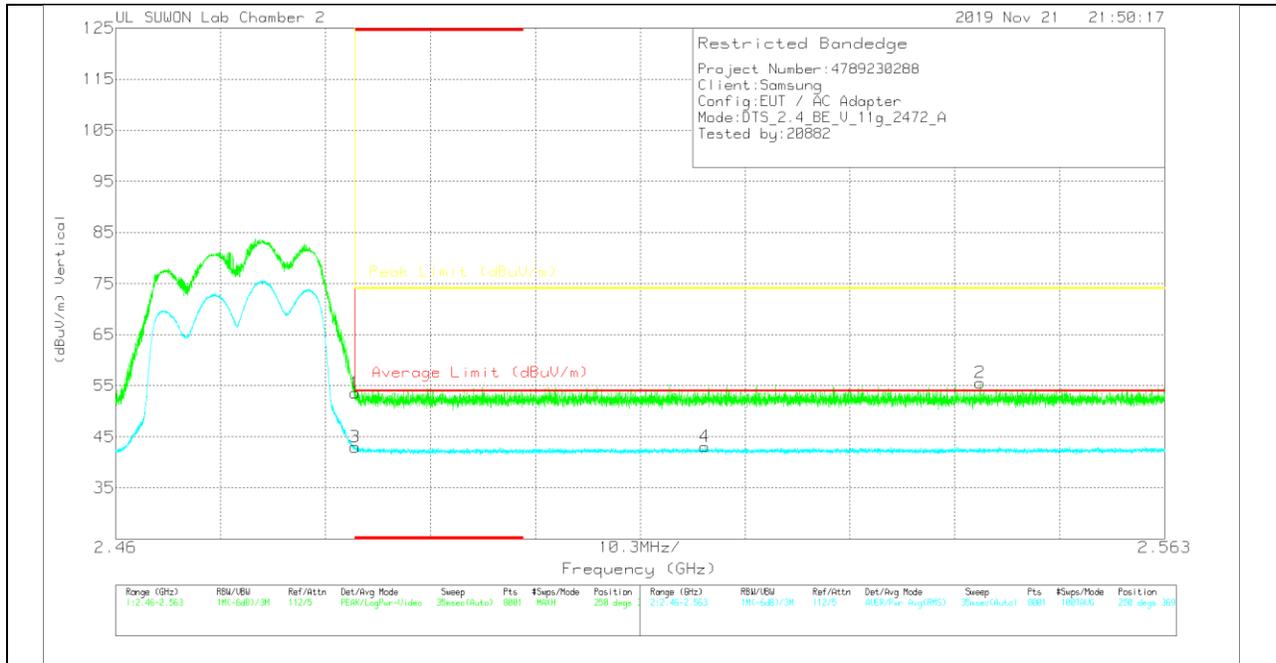
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	44.37	Pk	31.9	-20.4	0	55.87	-	-	74	-18.13	183	185	H
2	* 2.48354	44.73	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 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	42.08	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

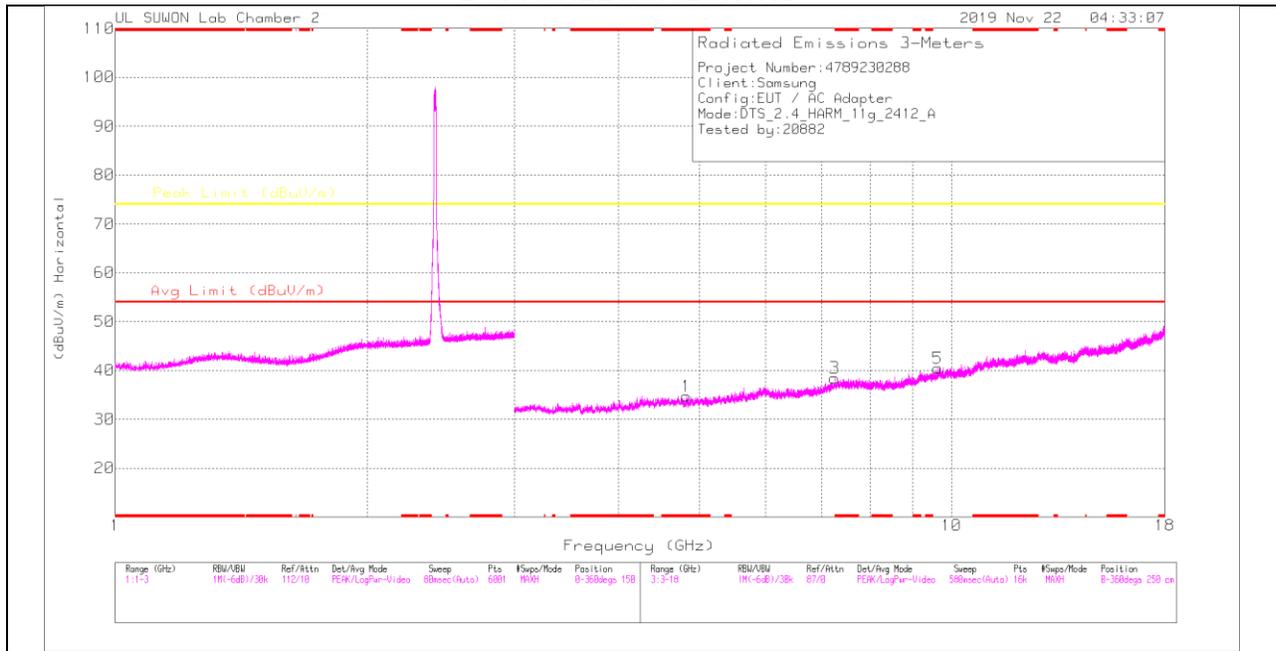
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

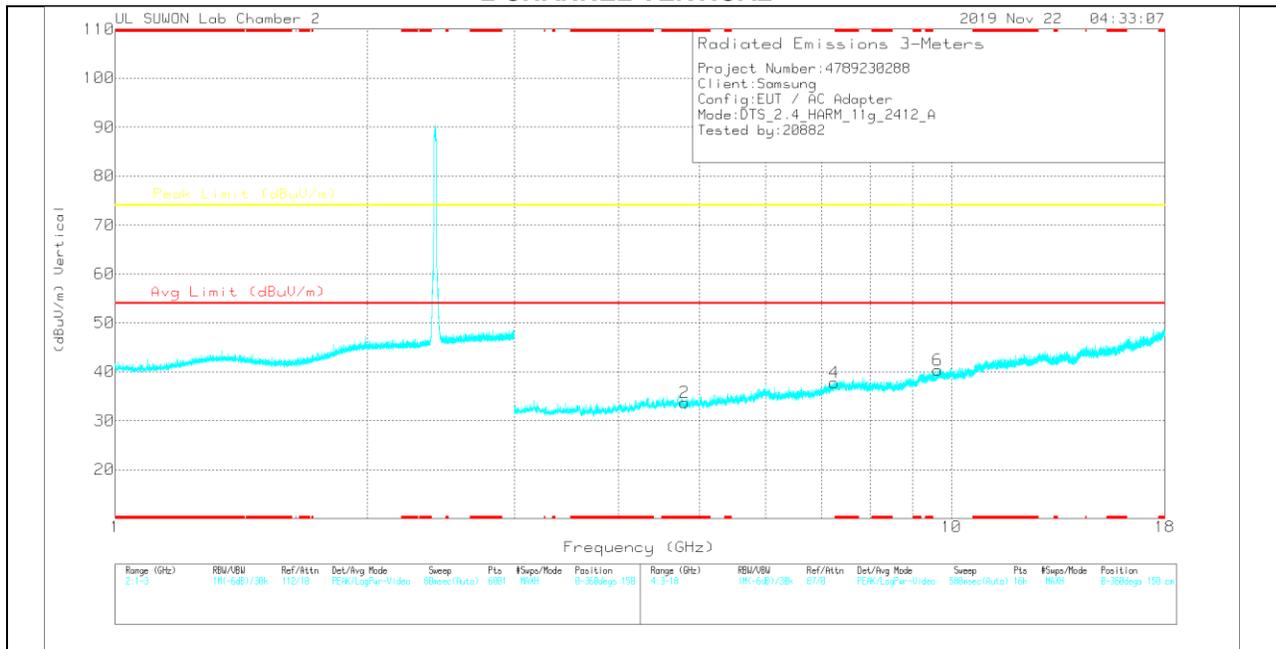
RMS - RMS detection

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

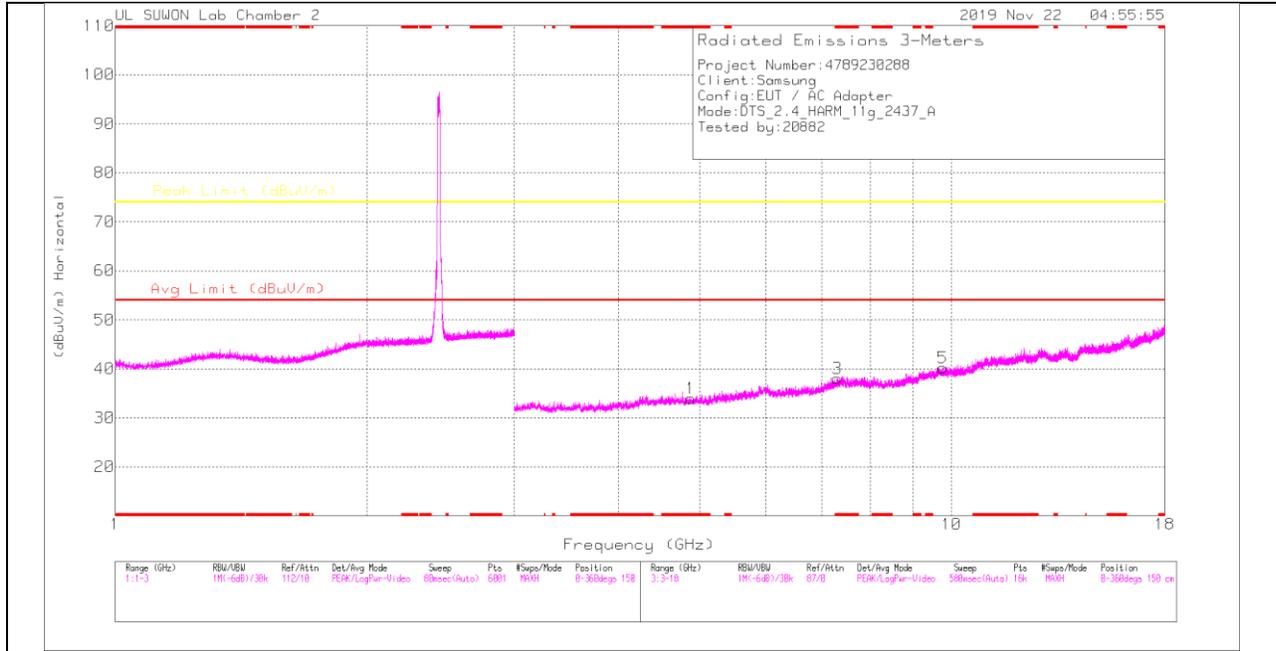
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872 4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82149	36.8	PK2	34	-28.1	0	42.7	-	-	74	-31.3	0	100	H
* 4.81902	37.49	PK2	34	-28.1	0	43.39	-	-	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

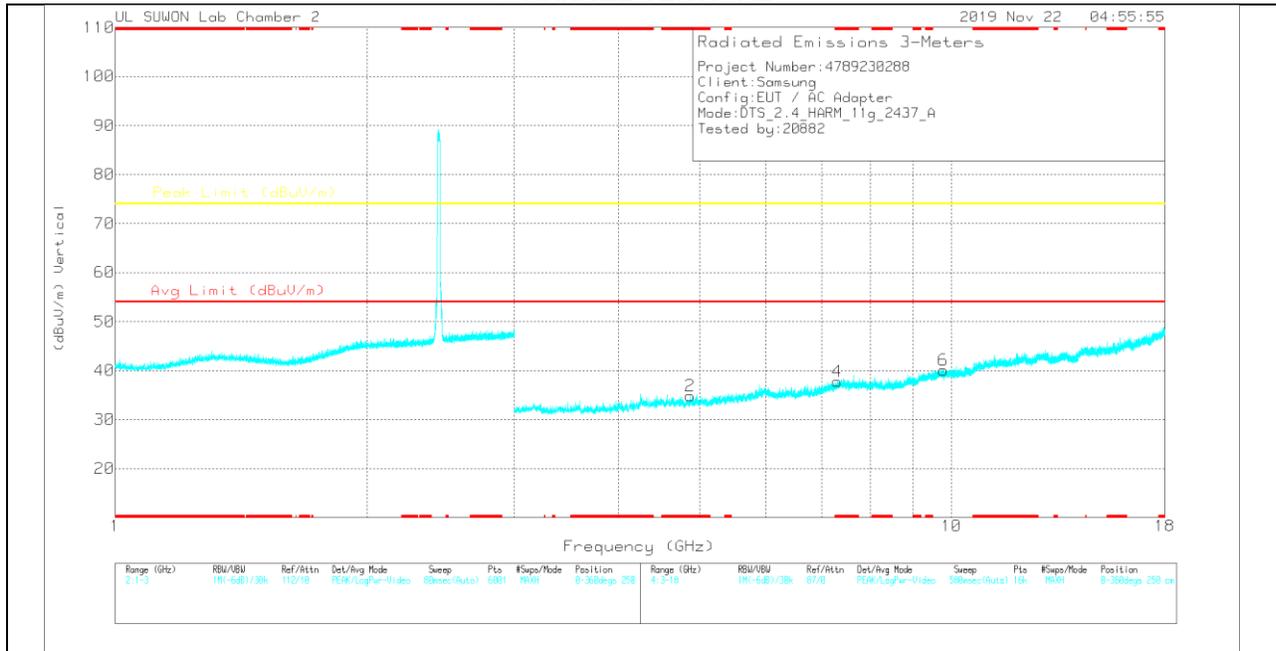
PK2 - KDB558074 Method: Maximum Peak

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).