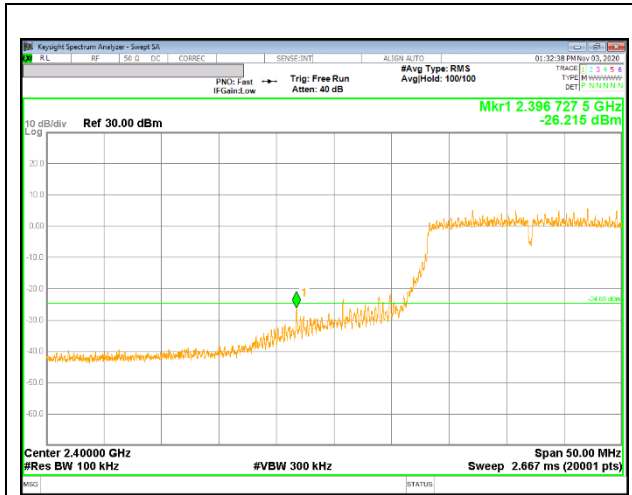


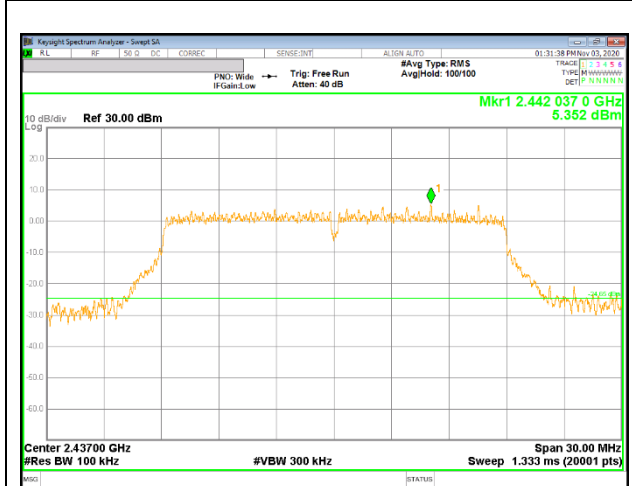
2TX Antenna 2 MODE



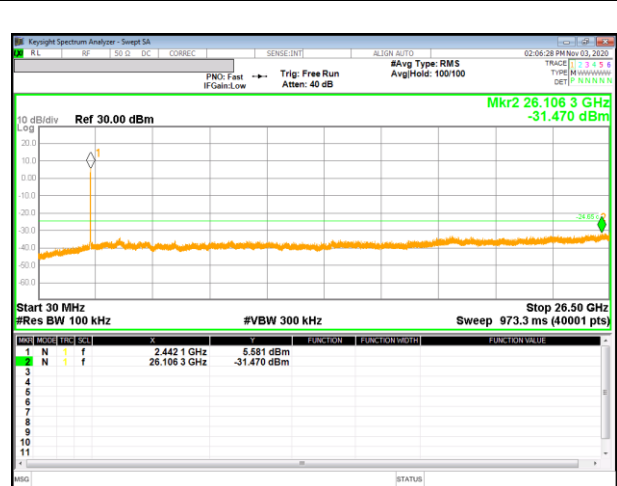
2 Channel Band-edge



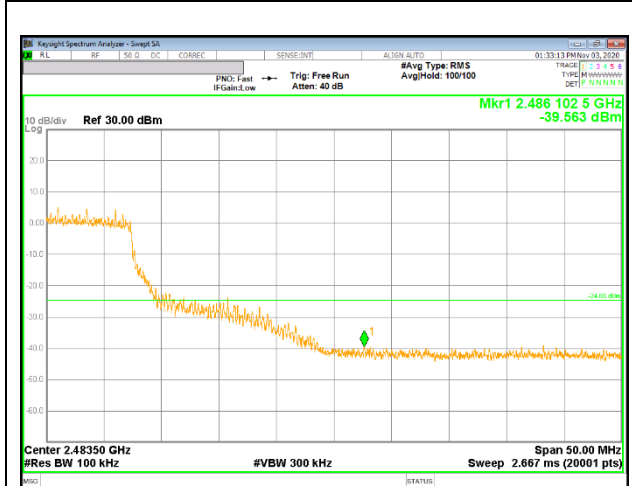
Out-Of-Band 2 Channel



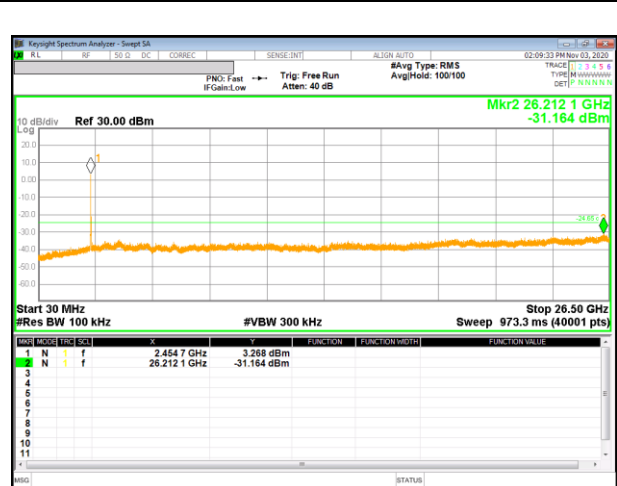
In-Band Reference Level



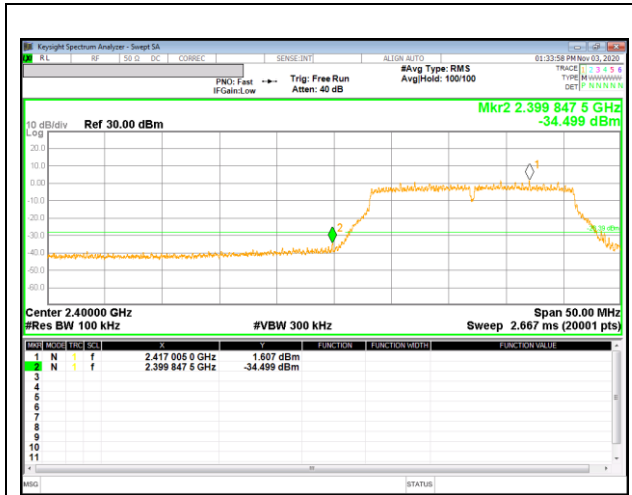
Out-Of-Band 6 Channel



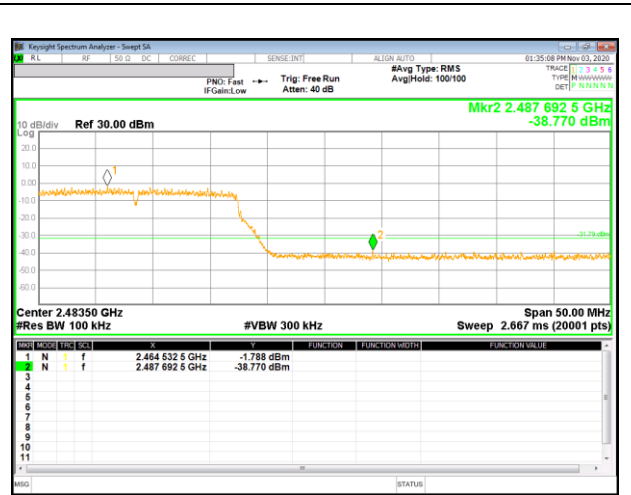
10 Channel Band-edge



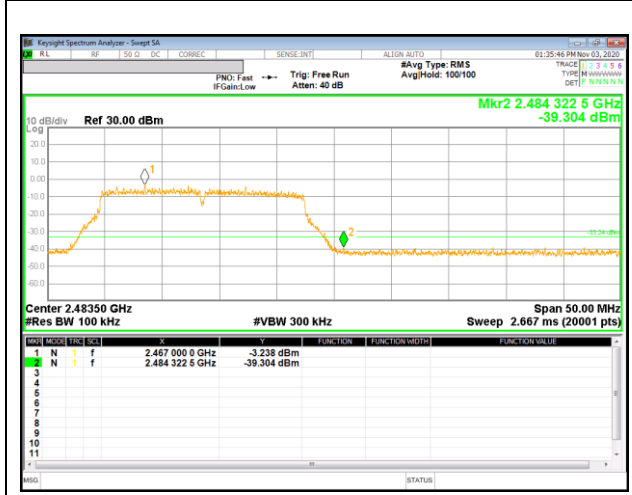
Out-Of-Band 10 Channel



1 Channel Band-edge



12 Channel Band-edge

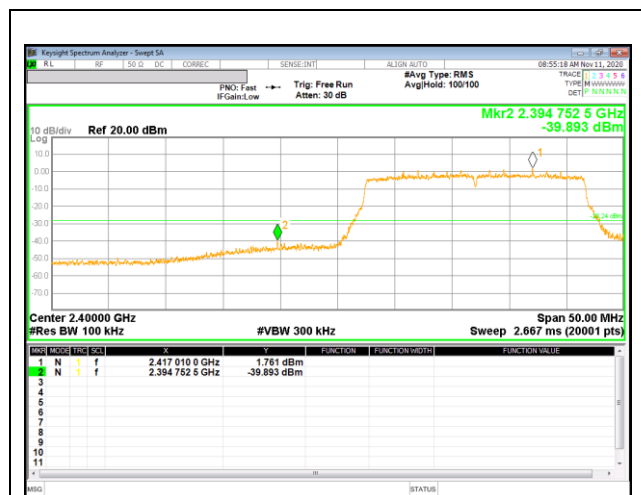


13 Channel Band-edge

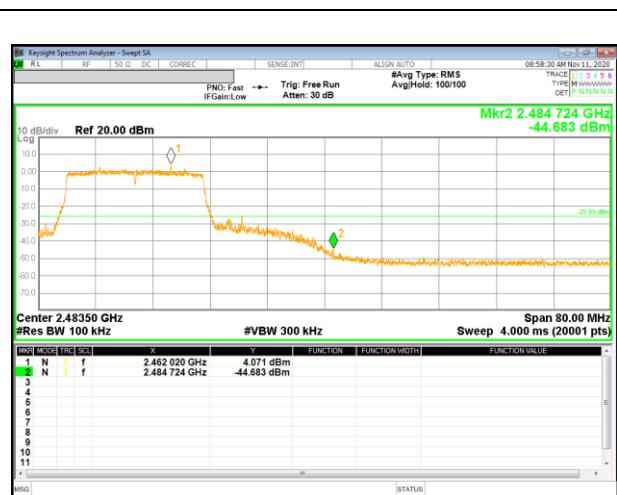
9.5.4. 802.11ax HE20(SU) MODE

2TX Antenna 1 MODE

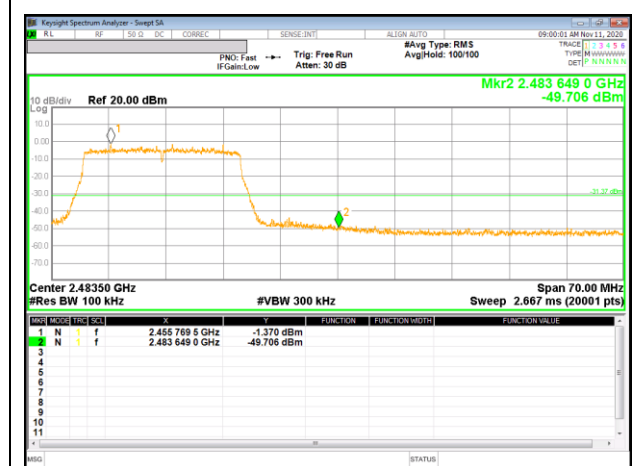




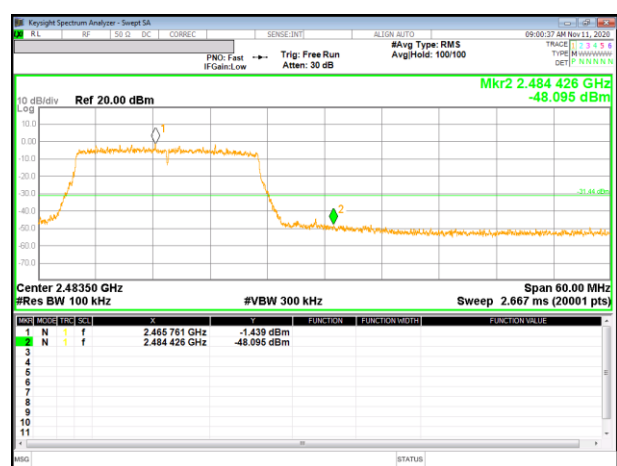
1 Channel Band-edge



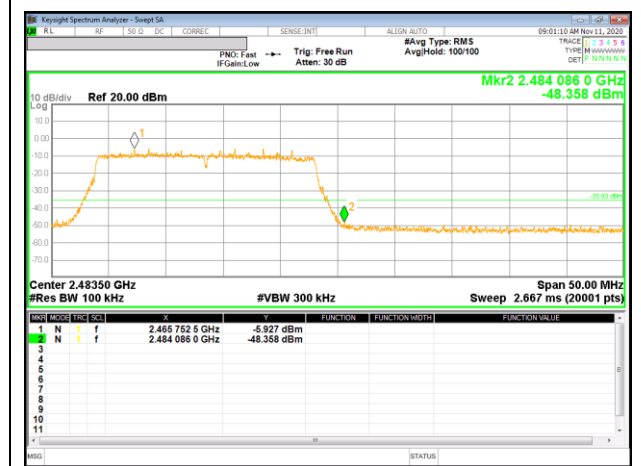
10 Channel Band-edge



11 Channel Band-edge

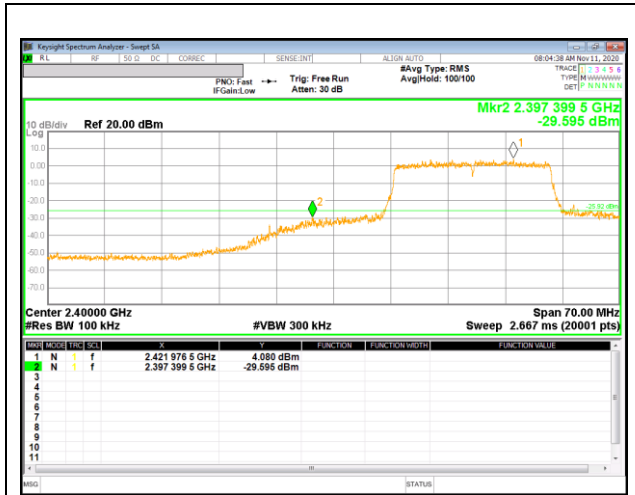


12 Channel Band-edge

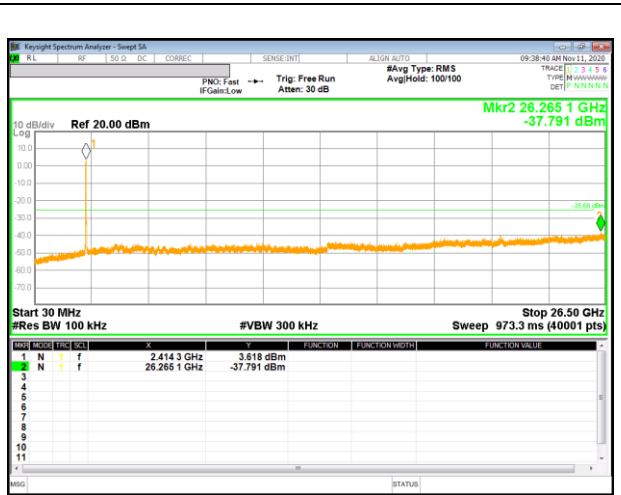


13 Channel Band-edge

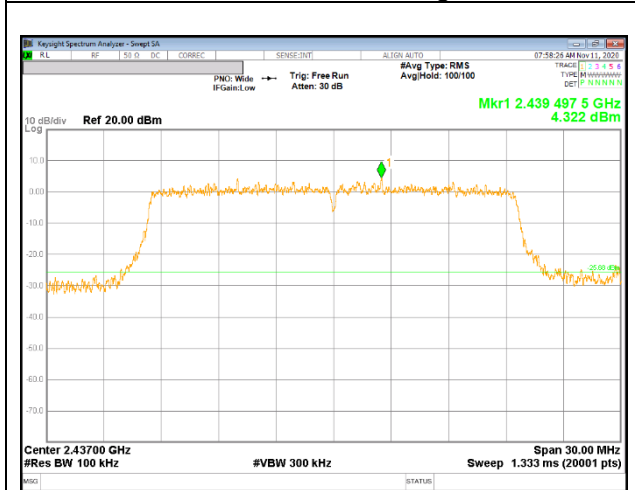
2TX Antenna 2 MODE



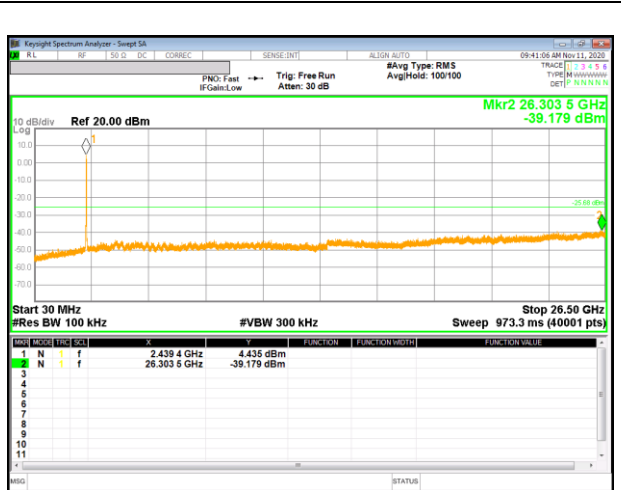
2 Channel Band-edge



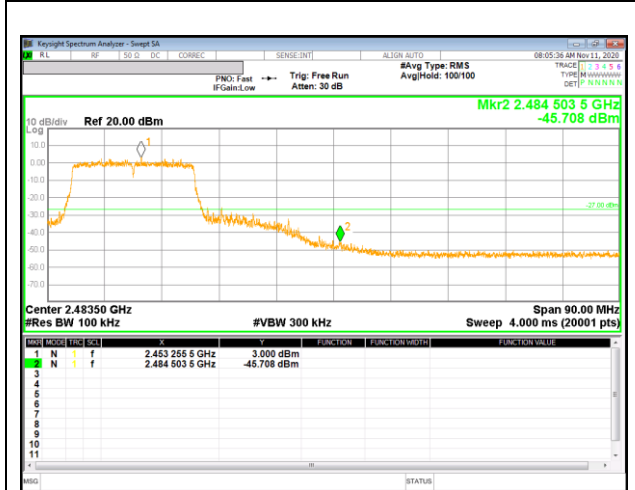
Out-Of-Band 2 Channel



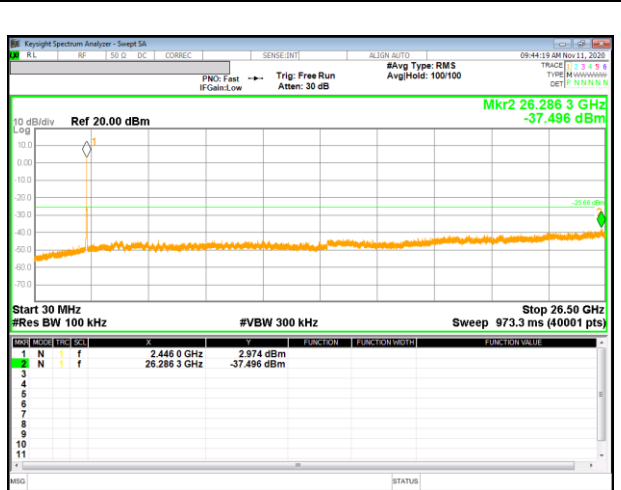
In-Band Reference Level



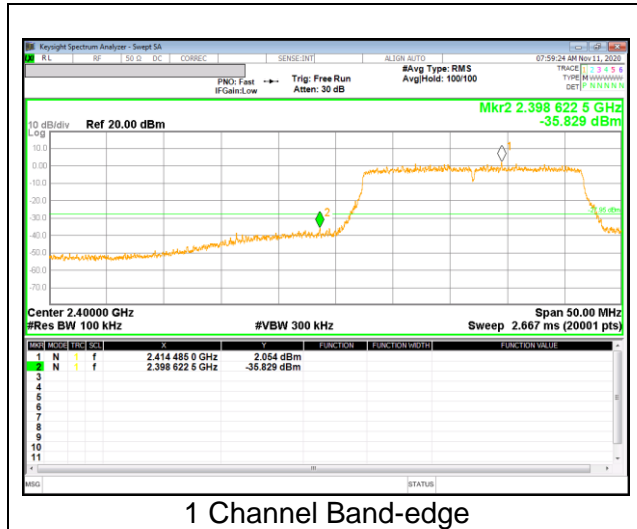
Out-Of-Band 6 Channel



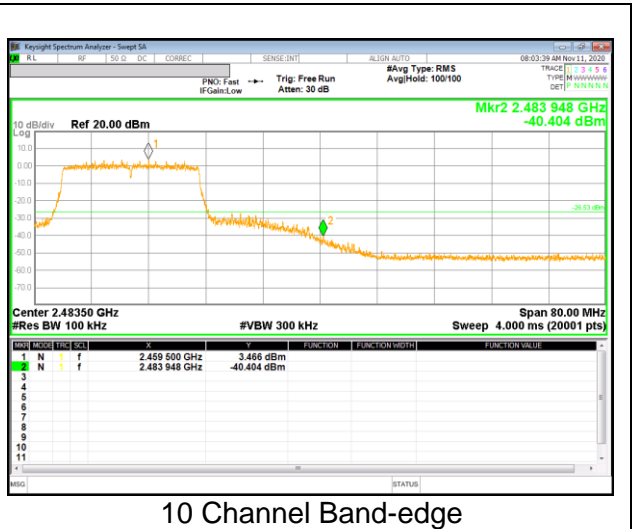
9 Channel Band-edge



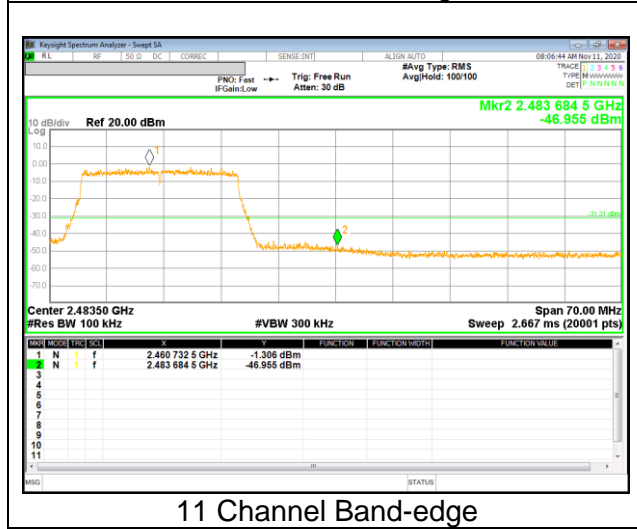
Out-Of-Band 9 Channel



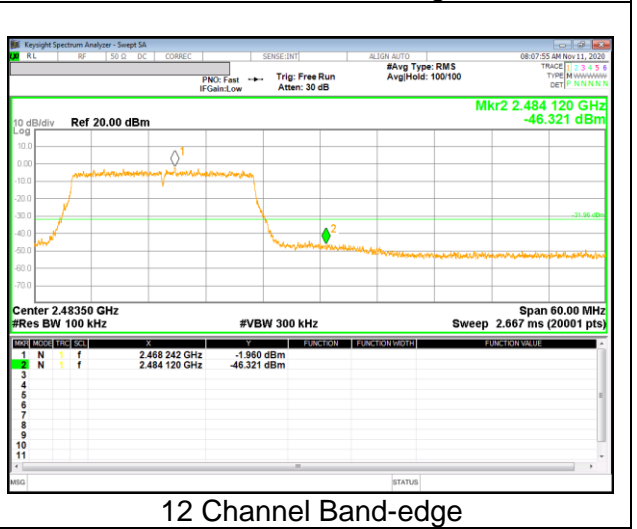
1 Channel Band-edge



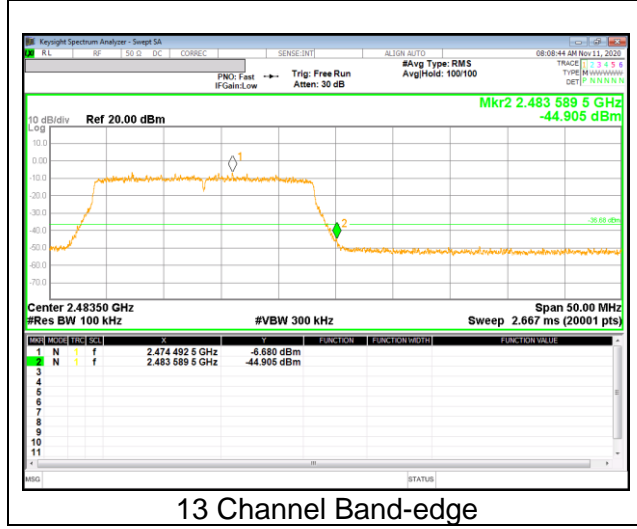
10 Channel Band-edge



11 Channel Band-edge



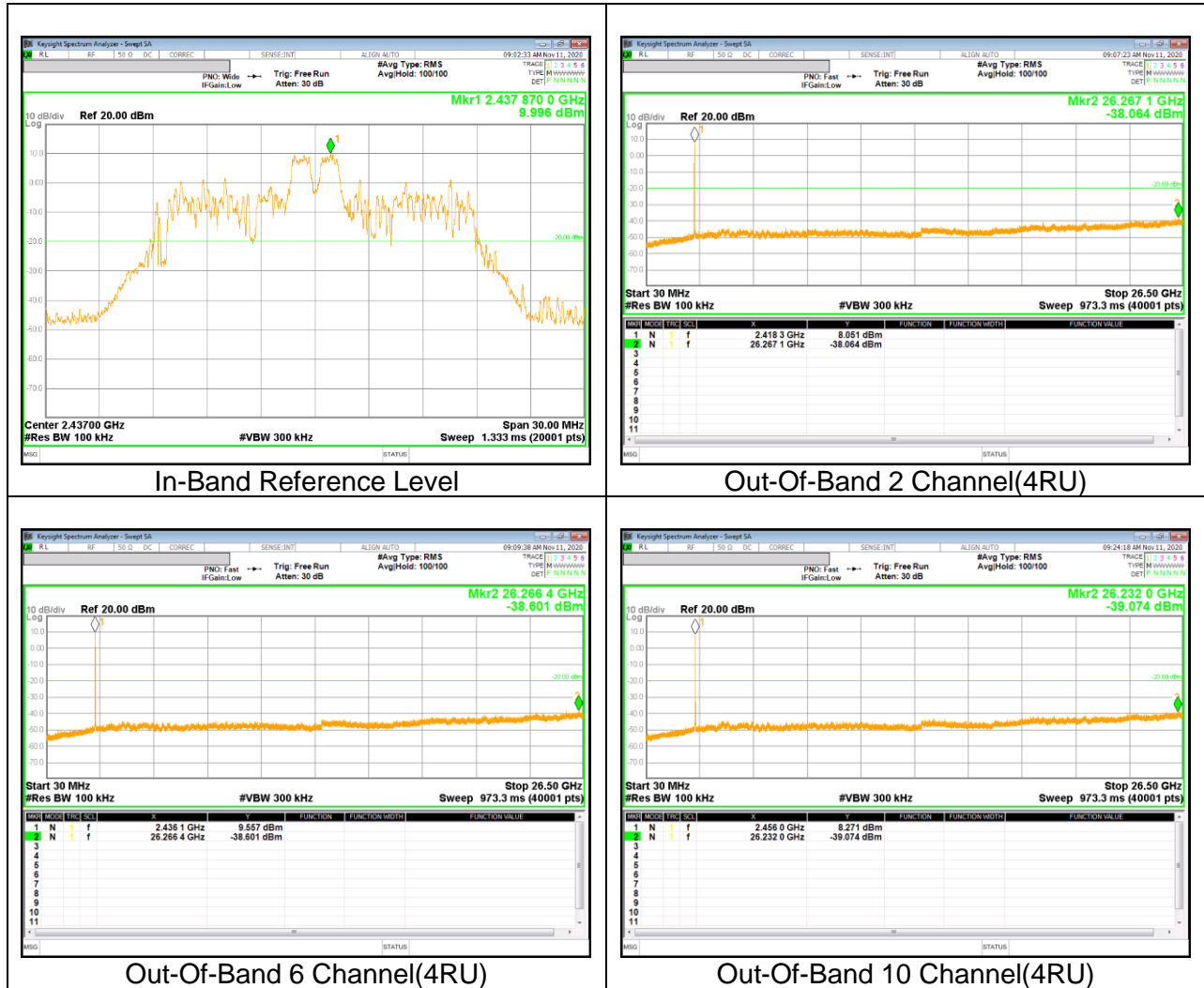
12 Channel Band-edge



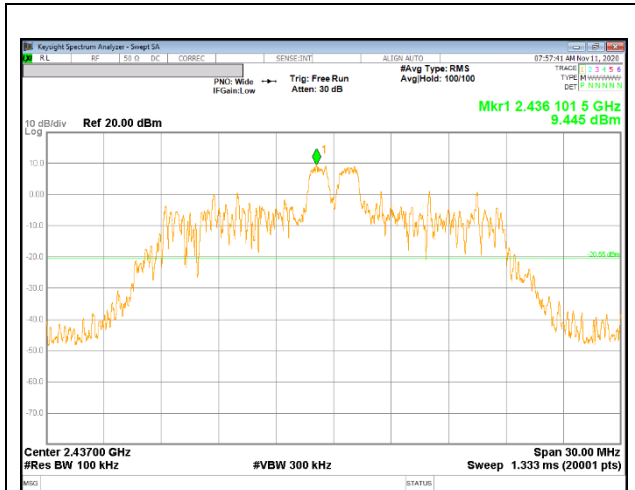
13 Channel Band-edge

9.5.5. 802.11ax HE20(RU) MODE

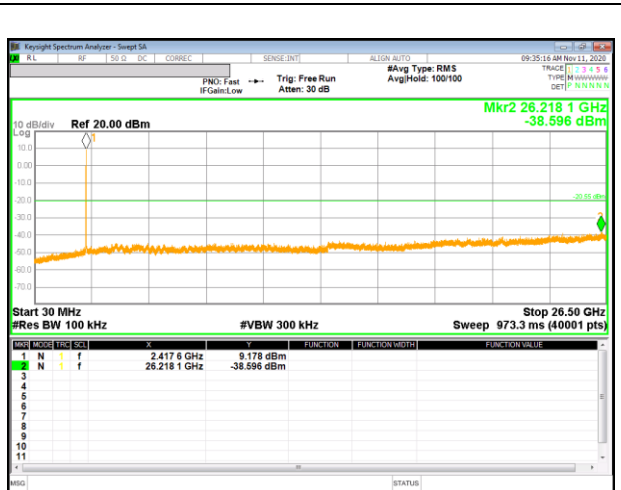
2TX Antenna 1 MODE



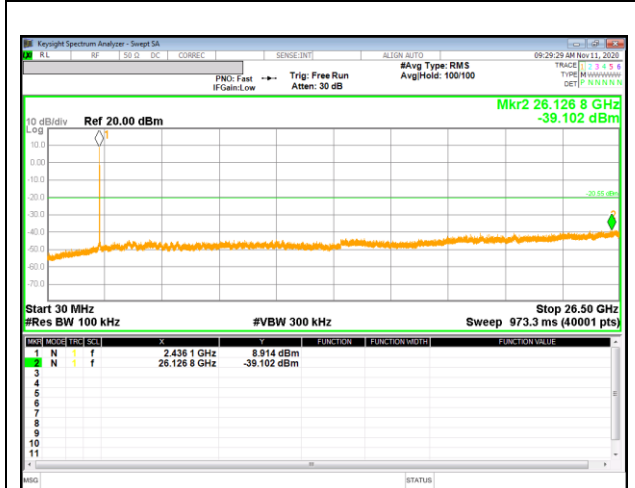
2TX Antenna 2 MODE



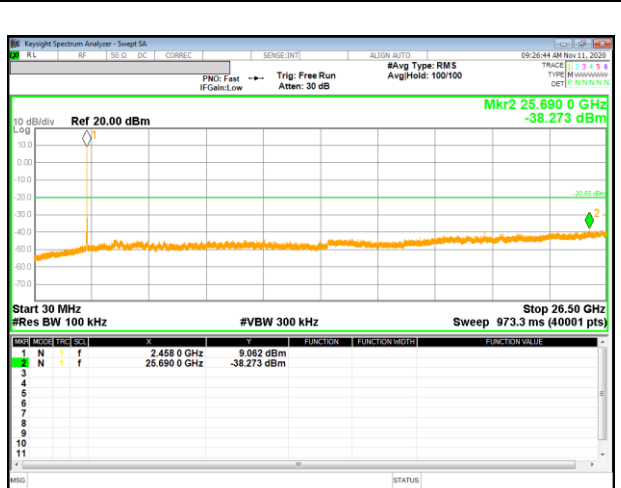
In-Band Reference Level



Out-Of-Band 2 Channel(4RU)



Out-Of-Band 6 Channel(4RU)



Out-Of-Band 10 Channel(4RU)

10. RADIATED TEST RESULTS

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:

802.11b SISO mode = 0 dB (duty cycle > 98%);
802.11g MIMO mode = 0.15 dB (96.54 %);
802.11n(HT20) MIMO mode = 0 dB (duty cycle > 98%);
802.11ax(HE20) MIMO SU mode = 0.10 dB (97.64%);
802.11ax(HE20) MIMO 26 Tone mode = 0 dB(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.

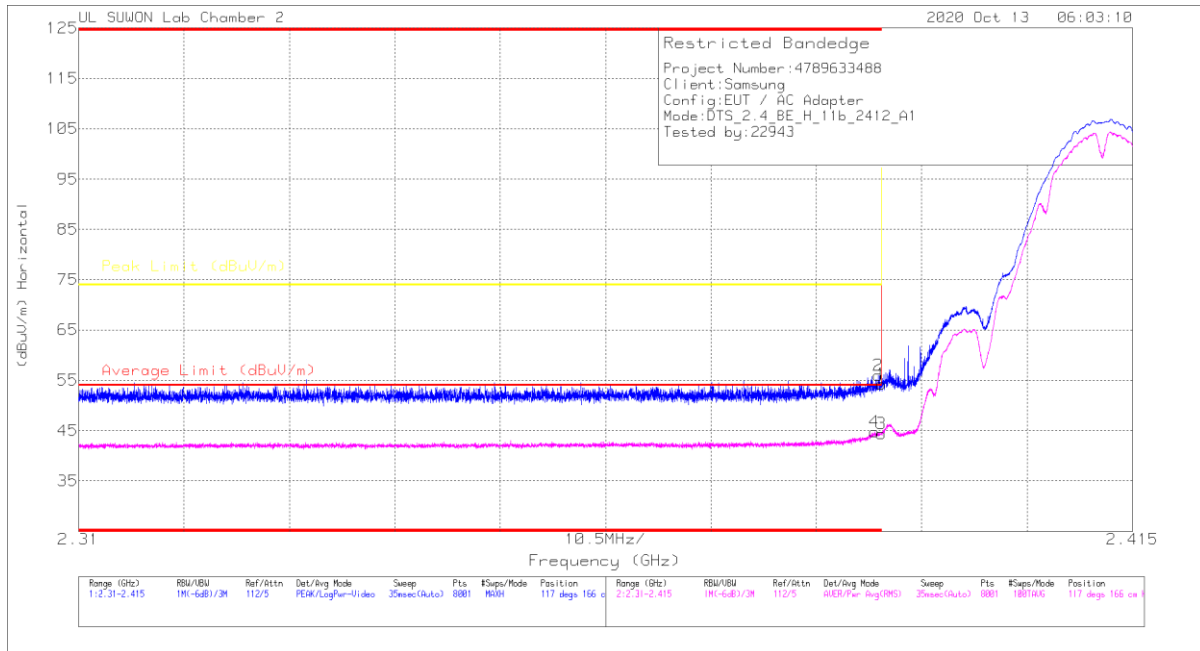
10.1. TRANSMITTER ABOVE 1 GHz

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

1TX Antenna 1

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT

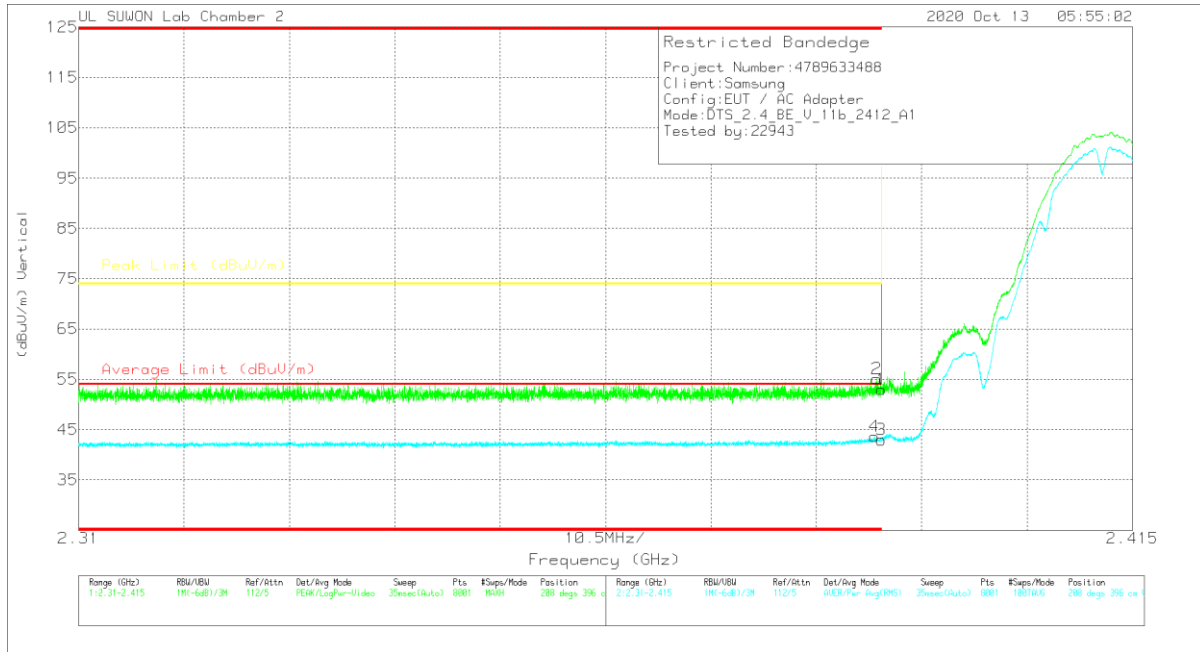


Trace Markers

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	42.61	Pk	31.9	-20.3	0	54.21	-	-	74	-19.79	117	166	H
2	* 2.3897	44.37	Pk	31.9	-20.3	0	55.97	-	-	74	-18.03	117	166	H
3	* 2.39	32.82	RMS	31.9	-20.3	0	44.42	54	-9.58	-	-	117	166	H
4	* 2.38928	33.16	RMS	31.9	-20.3	0	44.76	54	-9.24	-	-	117	166	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



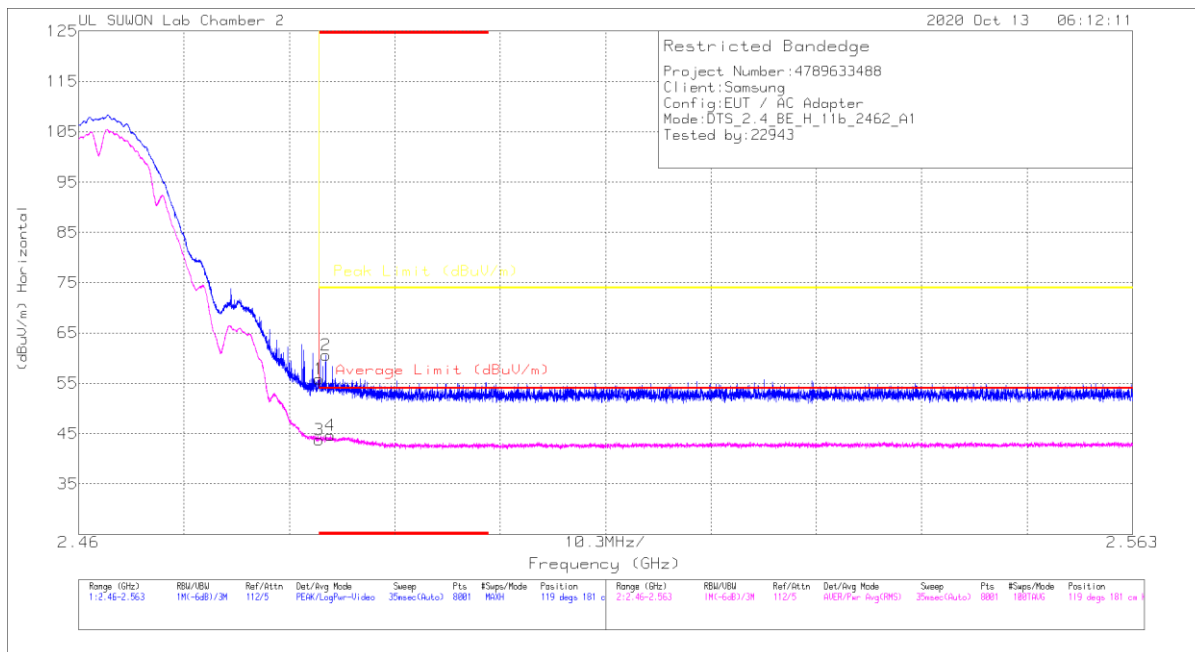
Trace Markers

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	41.42	Pk	31.9	-20.3	0	53.02	-	-	74	-20.98	208	396	V
2	* 2.38951	43.46	Pk	31.9	-20.3	0	55.06	-	-	74	-18.94	208	396	V
3	* 2.39	31.37	RMS	31.9	-20.3	0	42.37	54	-11.03	-	-	208	396	V
4	* 2.38928	32.04	RMS	31.9	-20.3	0	43.64	54	-10.36	-	-	208	396	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

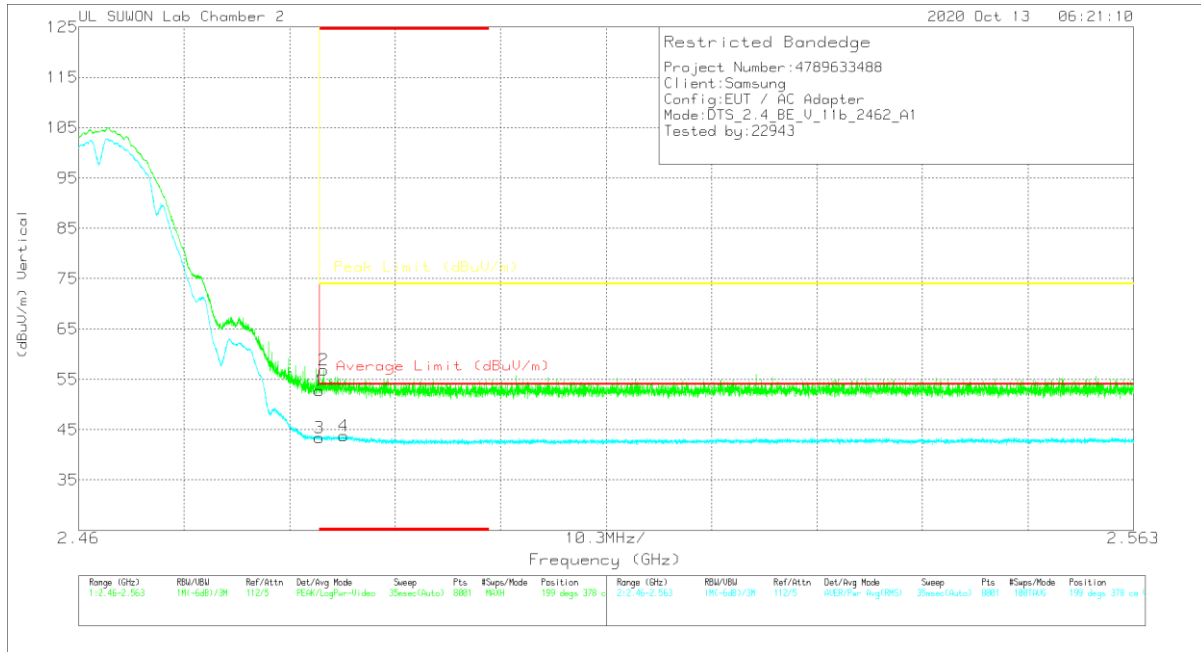


Trace Markers

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	44.05	PK	32	-20.2	0	55.85	-	-	74	-18.15	119	181	H
2	* 2.48417	48.82	PK	32	-20.2	0	60.62	-	-	74	-13.38	119	181	H
3	* 2.48351	32	RMS	32	-20.2	0	43.8	54	-10.2	-	-	119	181	H
4	* 2.48458	32.8	RMS	32	-20.2	0	44.6	54	-9.4	-	-	119	181	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



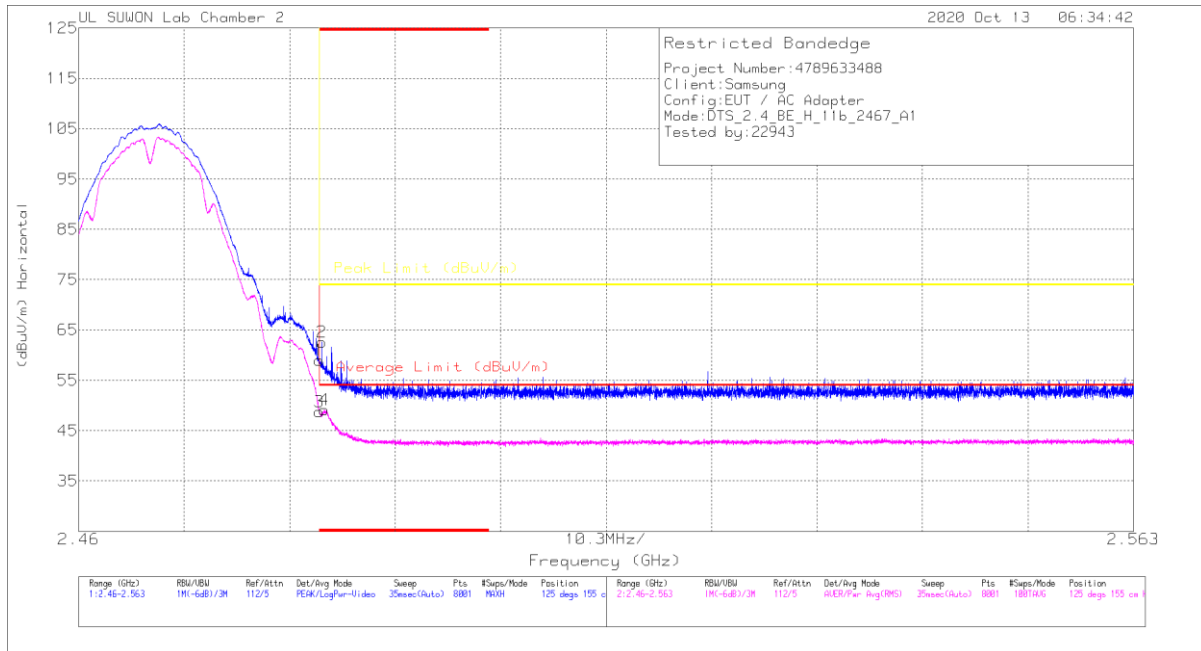
Trace Markers

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	Pk	32	-20.2	0	52.8	-	-	74	-21.2	199	378	V
2	* 2.48395	45.11	PK	32	-20.2	0	56.91	-	-	74	-17.09	199	378	V
3	* 2.48351	31.56	RMS	32	-20.2	0	43.36	54	-10.64	-	-	199	378	V
4	* 2.4859	31.98	RMS	32	-20.2	0	43.78	54	-10.22	-	-	199	378	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



Trace Markers

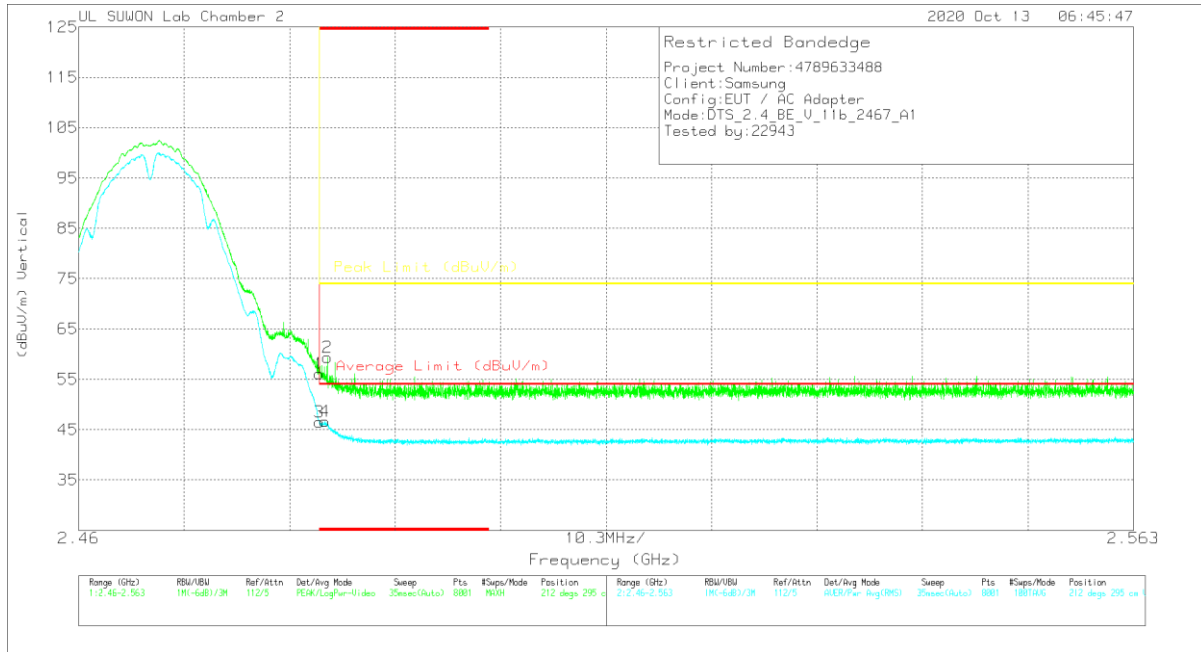
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	47.18	Pk	32	-20.2	0	58.98	-	-	74	-15.02	125	155	H
2	* 2.48375	50.77	Pk	32	-20.2	0	62.57	-	-	74	-11.43	125	155	H
3	* 2.48351	36.96	RMS	32	-20.2	0	48.76	54	-5.24	-	-	125	155	H
4	* 2.48397	37.28	RMS	32	-20.2	0	49.08	54	-4.92	-	-	125	155	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



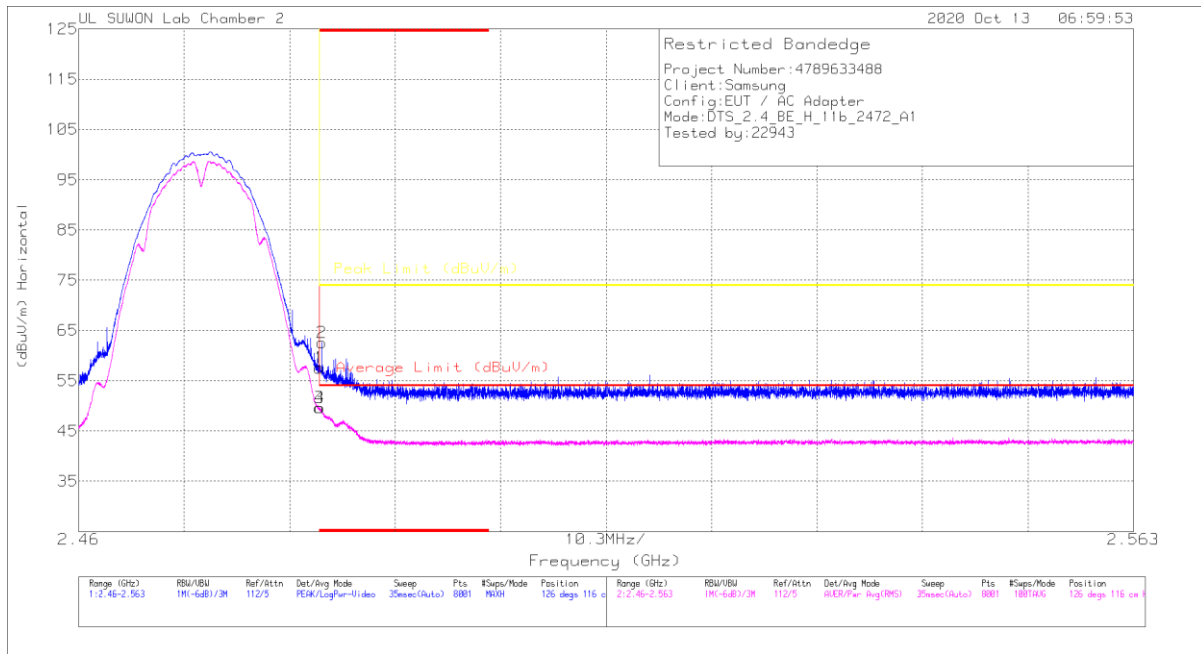
Trace Markers

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	44.31	Pk	32	-20.2	0	56.11	-	-	74	-17.89	212	295	V
2	* 2.48428	47.57	Pk	32	-20.2	0	59.37	-	-	74	-14.63	212	295	V
3	* 2.48351	34.72	RMS	32	-20.2	0	46.52	54	-7.48	-	-	212	295	V
4	* 2.48404	34.89	RMS	32	-20.2	0	46.69	54	-7.31	-	-	212	295	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

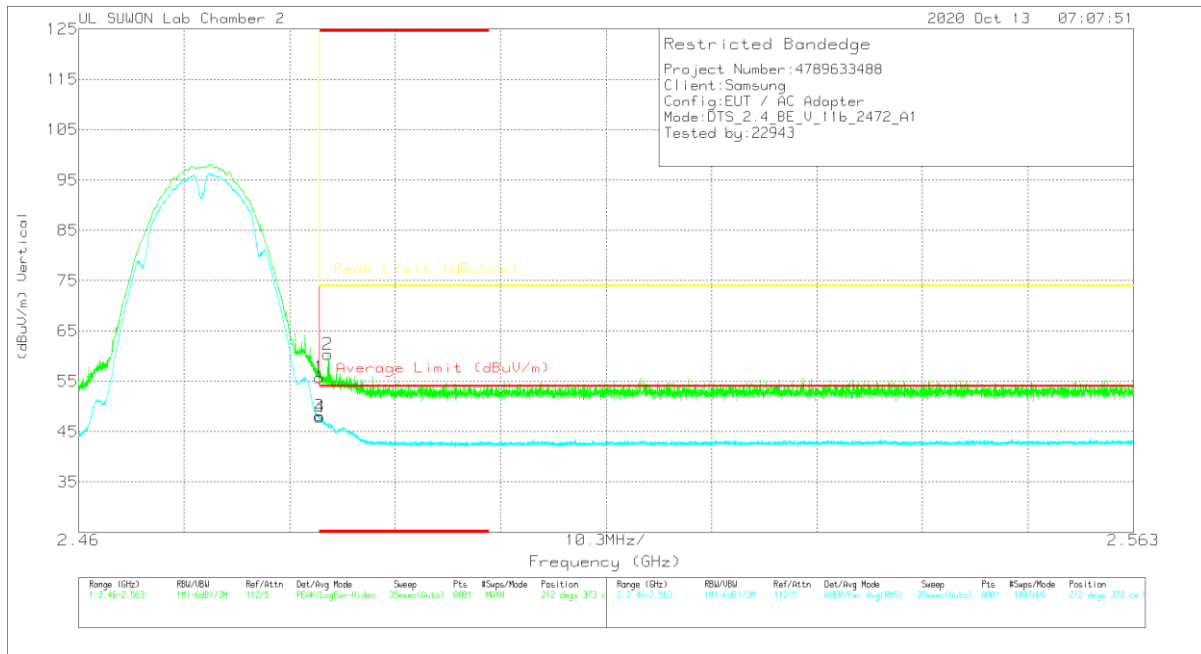


Trace Markers

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	45.75	Pk	32	-20.2	0	57.55	-	-	74	-16.45	126	116	H
2	* 2.48375	50.79	Pk	32	-20.2	0	62.59	-	-	74	-11.41	126	116	H
3	* 2.48351	37.85	RMS	32	-20.2	0	49.65	54	-4.35	-	-	126	116	H
4	* 2.48356	37.78	RMS	32	-20.2	0	49.58	54	-4.42	-	-	126	116	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT

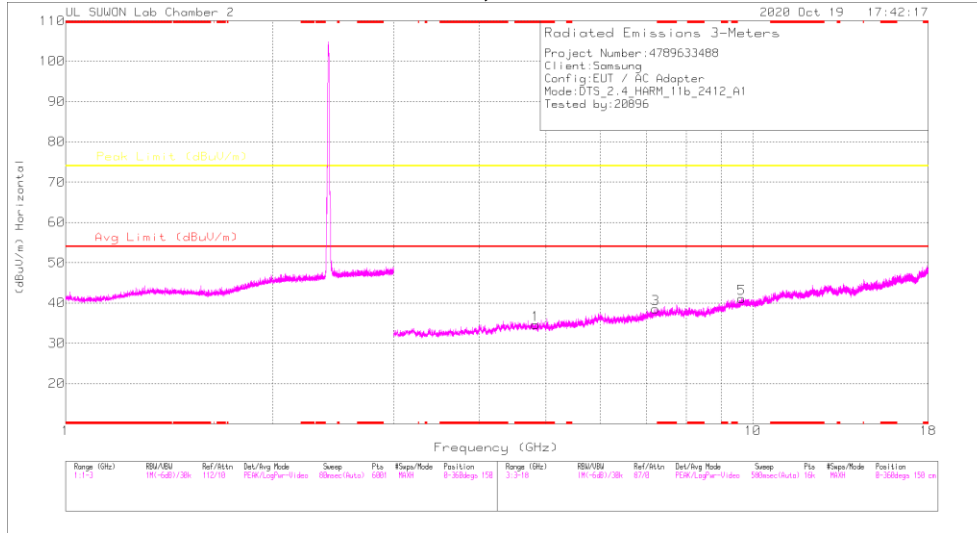


Trace Markers

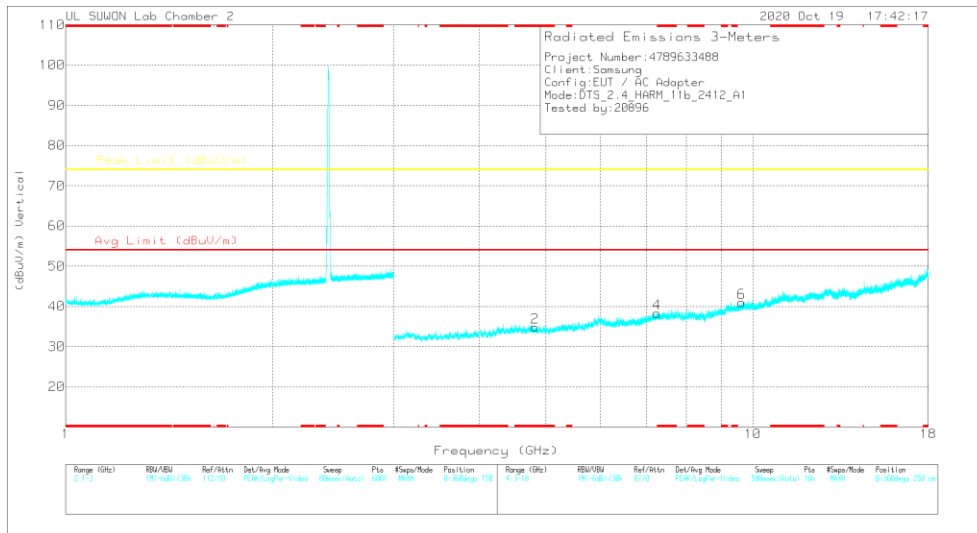
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	44	Pk	32	-20.2	0	55.8	-	-	74	-18.2	212	373	V
2	* 2.48432	48.61	PK	32	-20.2	0	60.41	-	-	74	-13.59	212	373	V
3	* 2.48351	36.29	RMS	32	-20.2	0	48.09	54	-5.91	-	-	212	373	V
4	* 2.48355	36.07	RMS	32	-20.2	0	47.87	54	-6.13	-	-	212	373	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL, CH 1 RESULTS



HORIZONTAL



VERTICAL

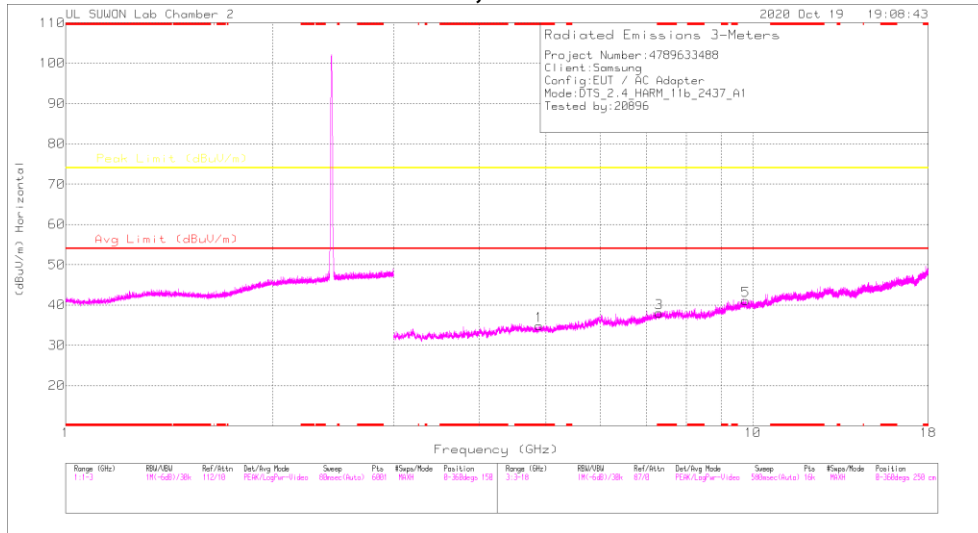
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

RADIATED EMISSIONS

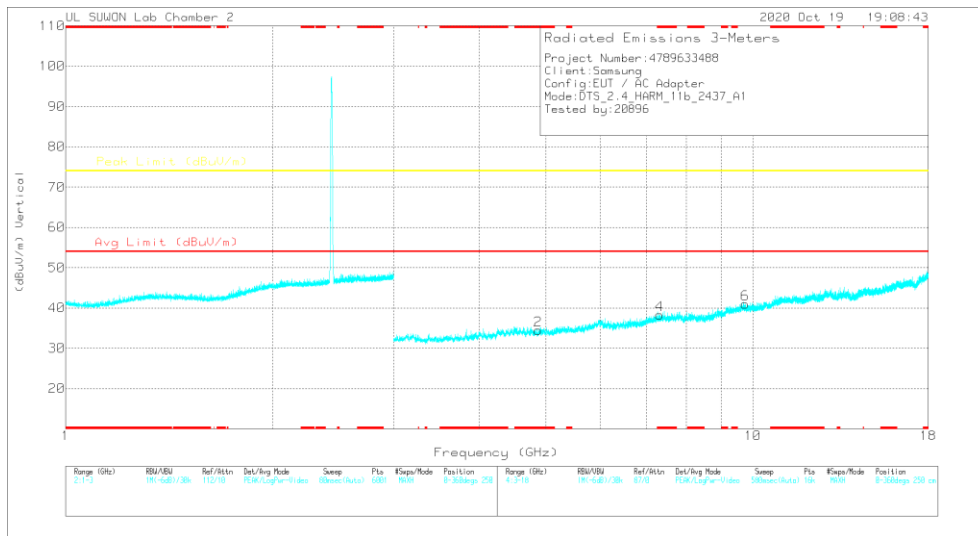
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82161	36.85	PK2	34.1	-27.9	0	43.05	-	-	74	-30.95	360	100	H
* 4.82082	37.08	PK2	34.1	-27.9	0	43.28	-	-	74	-30.72	360	100	V
7.21864	35.32	PK2	36.2	-24.9	0	46.62	-	-	74	-27.38	360	100	H
* 7.25118	36.09	PK2	36.2	-24.9	0	47.39	-	-	74	-26.61	360	100	V
9.63381	32.87	PK2	37	-20.8	0	49.07	-	-	74	-24.93	360	100	H
9.63166	32.75	PK2	37	-20.8	0	48.95	-	-	74	-25.05	360	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



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.

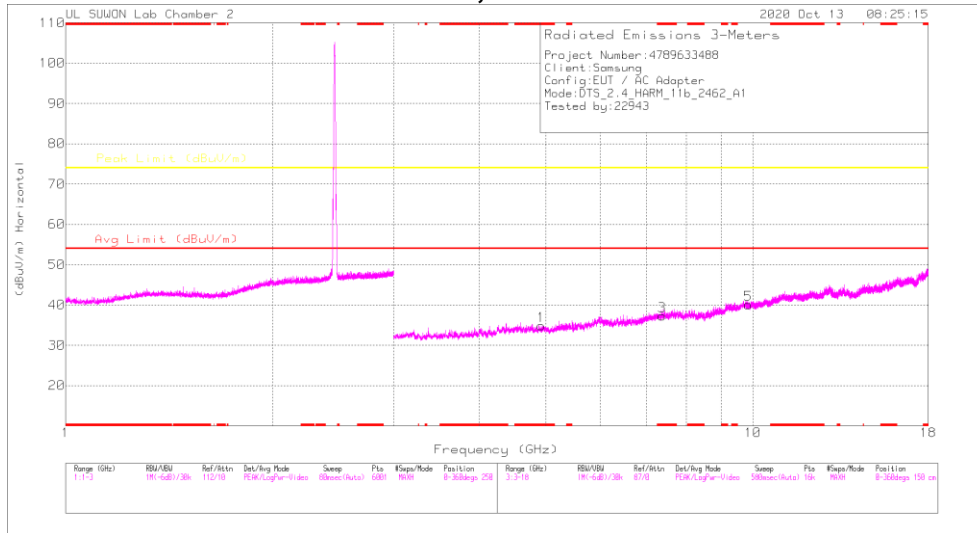
RADIATED EMISSIONS

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
* 4.88576	37.11	PK2	34.1	-27.5	0	43.71	-	-	74	-30.29	360	100	H
* 4.86933	36.21	PK2	34.1	-27.8	0	42.51	-	-	74	-31.49	360	100	V
* 7.3068	35.25	PK2	36.2	-24.7	0	46.75	-	-	74	-27.25	360	100	H
* 7.31703	35.64	PK2	36.1	-24.6	0	47.14	-	-	74	-26.86	360	100	V
9.75725	33.14	PK2	37.2	-20.5	0	49.84	-	-	74	-24.16	360	100	H
9.7591	32.1	PK2	37.2	-20.5	0	48.8	-	-	74	-25.2	360	100	V

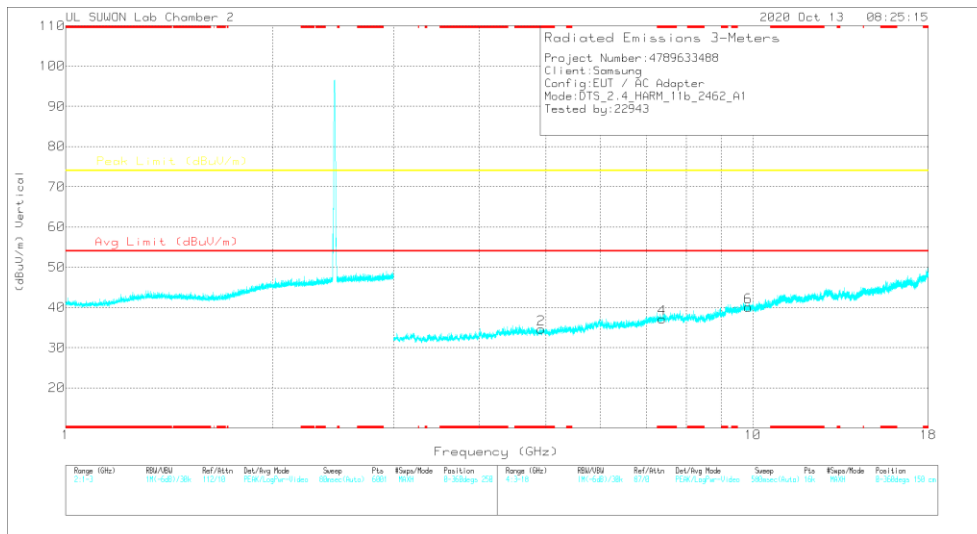
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



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.

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
* 4.92234	36.29	PK2	34.1	-27	0	43.39	-	-	74	-30.61	0	100	H
* 4.92357	36.08	PK2	34.1	-26.9	0	43.28	-	-	74	-30.72	0	100	V
* 7.38711	34.44	PK2	36.1	-24	0	46.54	-	-	74	-27.46	0	100	H
* 7.38453	34.81	PK2	36.1	-23.9	0	47.01	-	-	74	-26.99	0	100	V
9.84843	33.17	PK2	37.3	-20.9	0	49.57	-	-	74	-24.43	0	100	H
9.84604	32.61	PK2	37.3	-20.9	0	49.01	-	-	74	-24.99	0	100	V

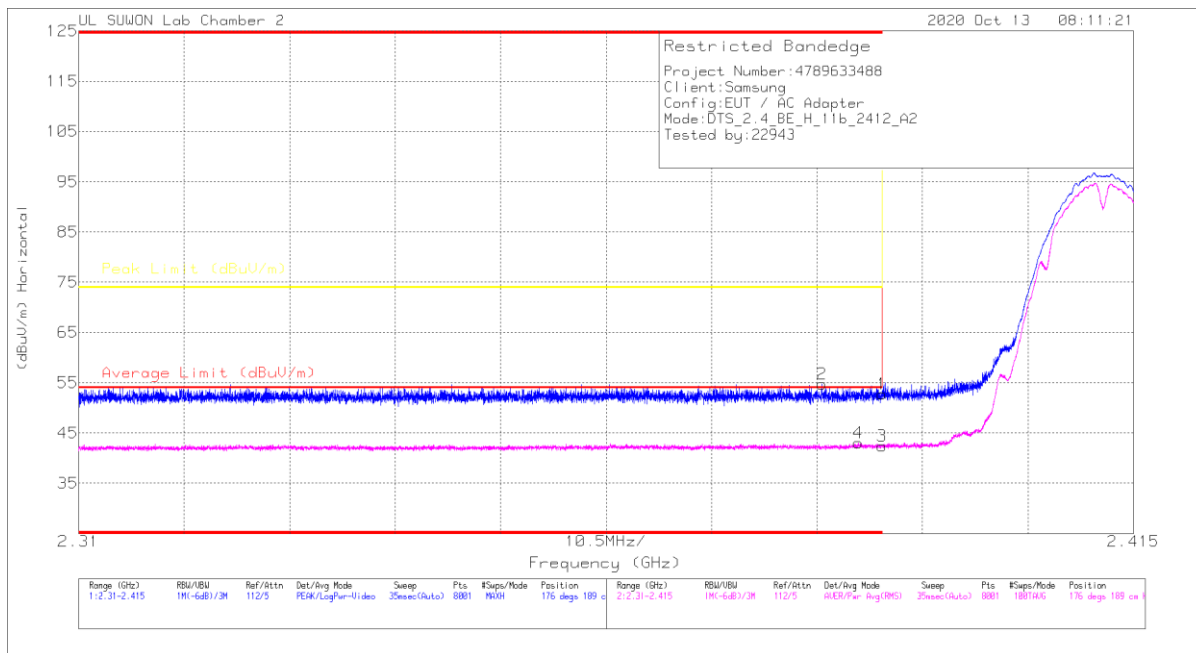
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

1TX Antenna 2 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

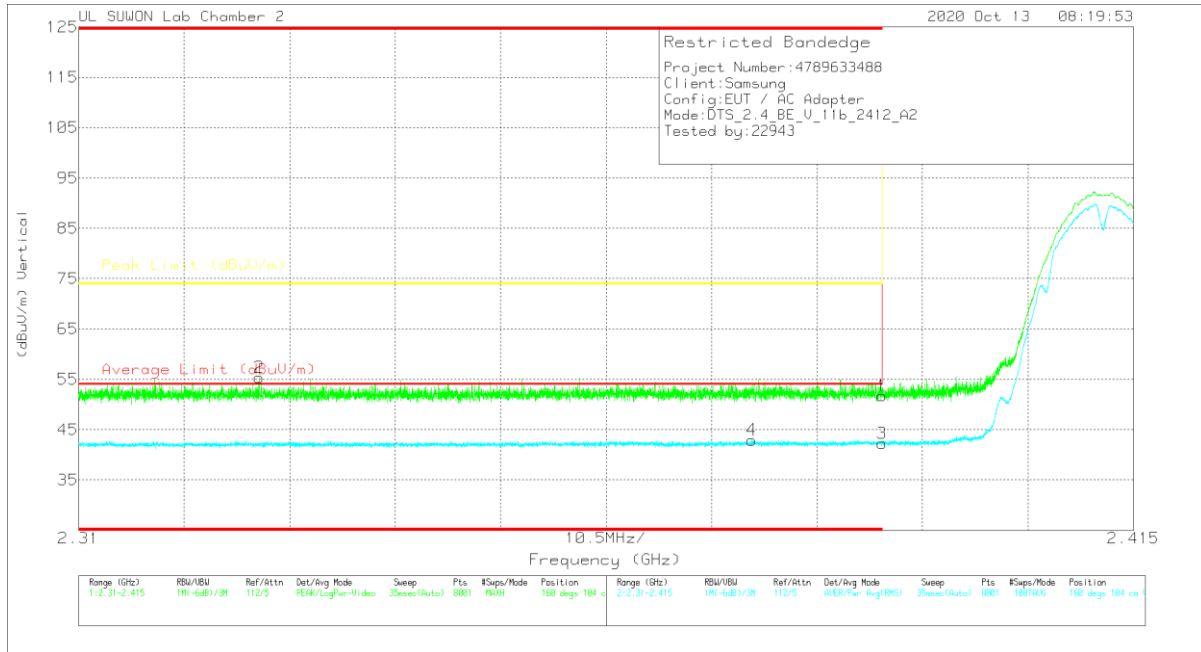
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.18	Pk	31.9	-20.3	0	52.78	-	-	74	-21.22	176	189	H
2	* 2.38389	43.26	Pk	31.9	-20.4	0	54.76	-	-	74	-19.24	176	189	H
3	* 2.39	30.78	RMS	31.9	-20.3	0	42.38	54	-11.62	-	-	176	189	H
4	* 2.38758	31.29	RMS	31.9	-20.2	0	42.99	54	-11.01	-	-	176	189	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



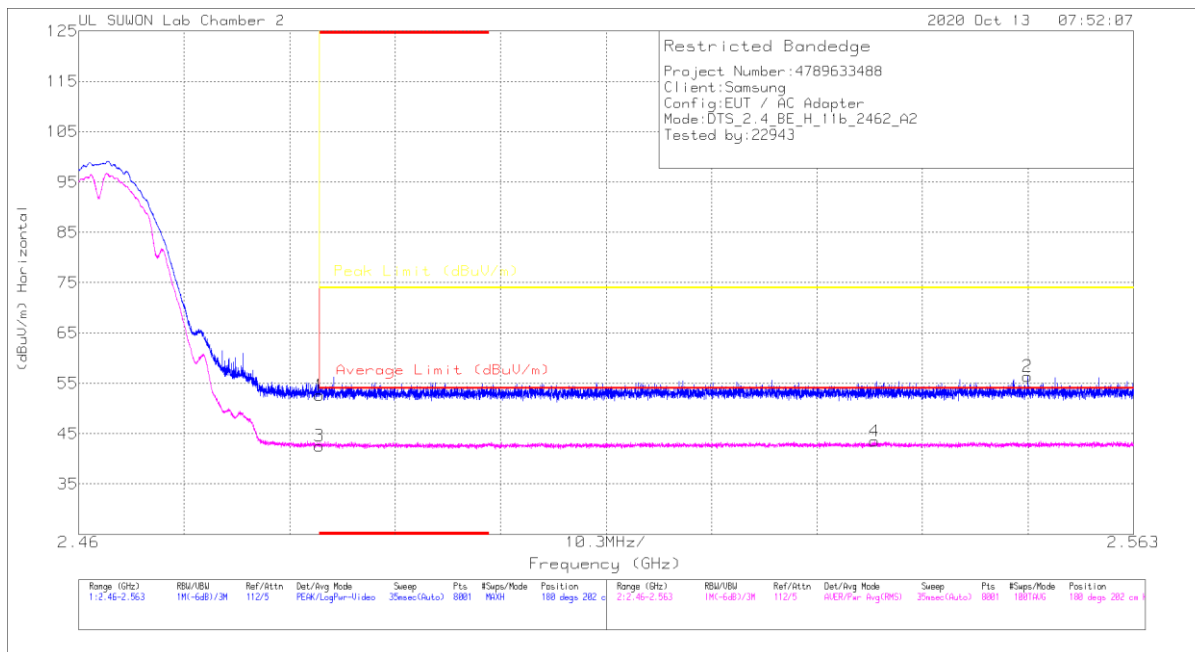
Trace Markers

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	40.12	Pk	31.9	-20.3	0	51.72	-	-	74	-22.28	160	104	V
2	* 2.32794	44.04	Pk	31.8	-20.5	0	55.34	-	-	74	-18.66	160	104	V
3	* 2.39	30.68	RMS	31.9	-20.3	0	42.28	54	-11.72	-	-	160	104	V
4	* 2.37699	31.36	RMS	31.9	-20.3	0	42.96	54	-11.04	-	-	160	104	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

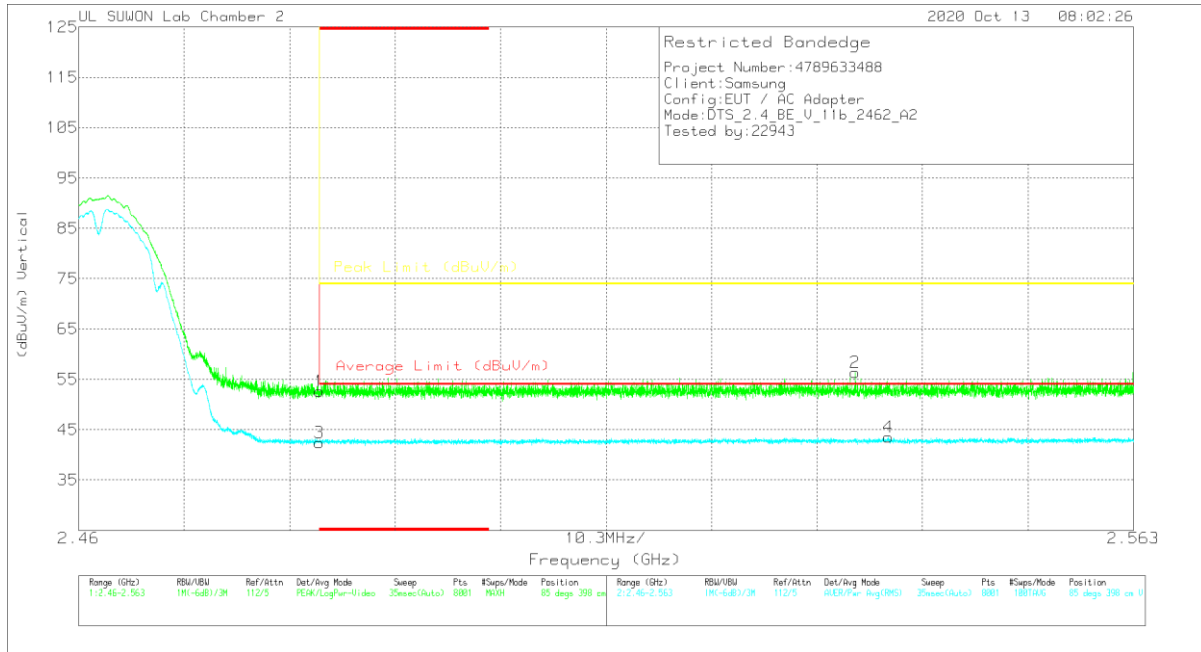


Trace Markers

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	40.8	Pk	32	-20.2	0	52.6	-	-	74	-21.4	180	202	H
2	2.55266	44.32	Pk	32.2	-20.1	0	56.42	-	-	74	-17.58	180	202	H
3	* 2.48351	30.79	RMS	32	-20.2	0	42.59	54	-11.41	-	-	180	202	H
4	2.53773	31.55	RMS	32.1	-20.1	0	43.55	54	-10.45	-	-	180	202	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



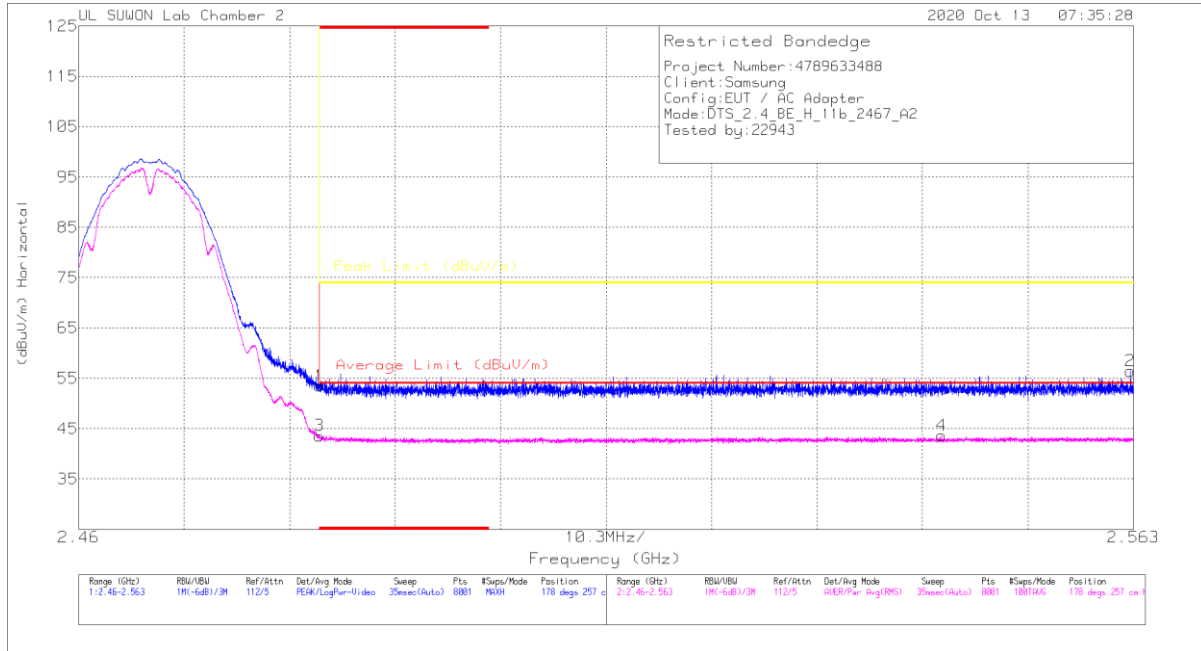
Trace Markers

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	40.85	Pk	32	-20.2	0	52.65	-	-	74	-21.35	85	398	V
2	2.53585	44.32	Pk	32.1	-20.1	0	56.32	-	-	74	-17.68	85	398	V
3	* 2.48351	30.65	RMS	32	-20.2	0	42.45	54	-11.55	-	-	85	398	V
4	2.53904	31.38	RMS	32.1	-20	0	43.48	54	-10.52	-	-	85	398	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



Trace Markers

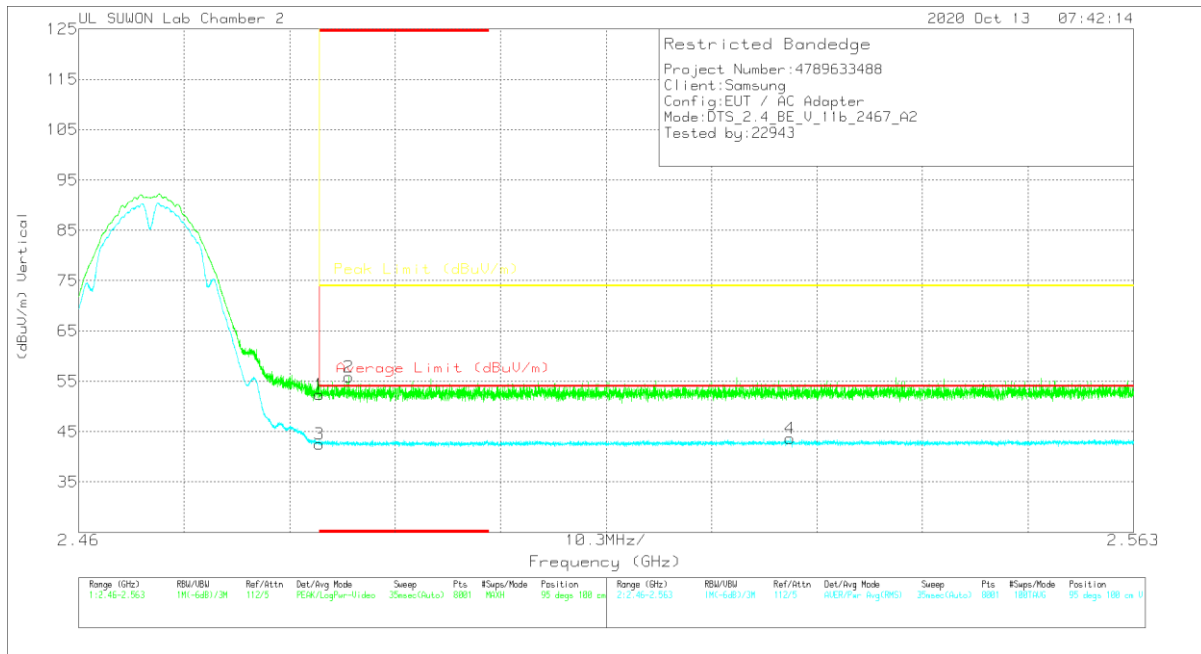
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.66	Pk	32	-20.2	0	53.46	-	-	74	-20.54	178	257	H
2	2.56269	44.33	Pk	32.2	-20.1	0	56.43	-	-	74	-17.57	178	257	H
3	* 2.48351	31.79	RMS	32	-20.2	0	43.59	54	-10.41	-	-	178	257	H
4	2.54428	31.65	RMS	32.1	-20.1	0	43.65	54	-10.35	-	-	178	257	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



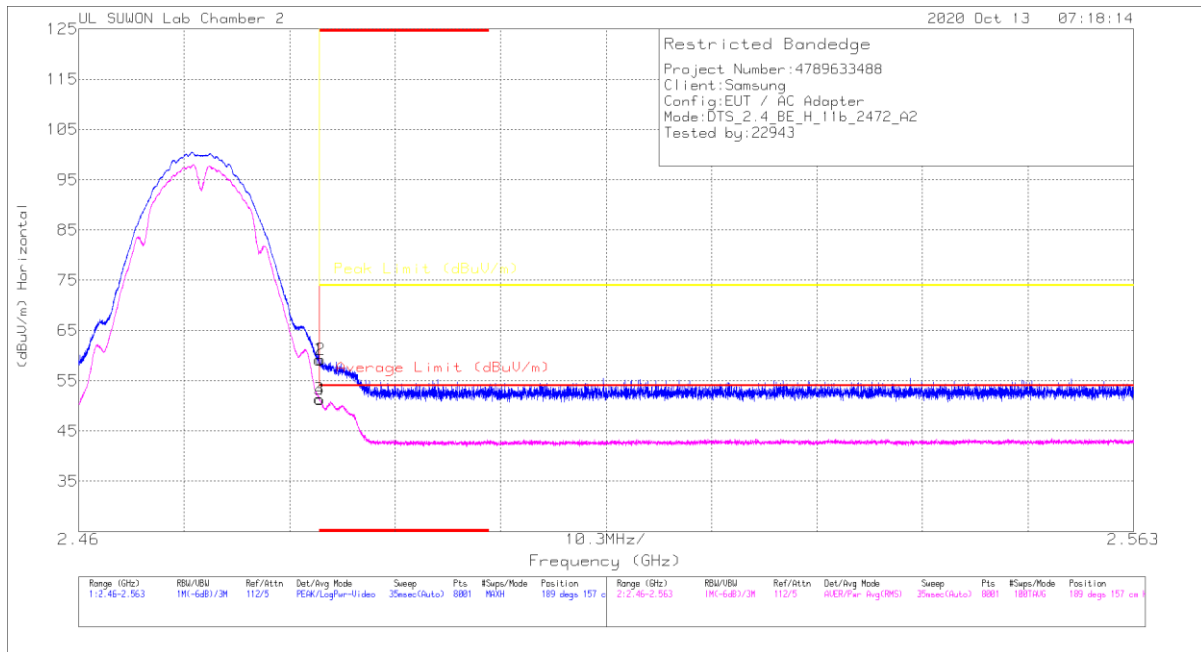
Trace Markers

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	40.61	Pk	32	-20.2	0	52.41	-	-	74	-21.59	95	100	V
2	* 2.48634	44.07	Pk	32	-20.2	0	55.87	-	-	74	-18.13	95	100	V
3	* 2.48351	30.73	RMS	32	-20.2	0	42.53	54	-11.47	-	-	95	100	V
4	2.52949	31.64	RMS	32.1	-20.1	0	43.64	54	-10.36	-	-	95	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

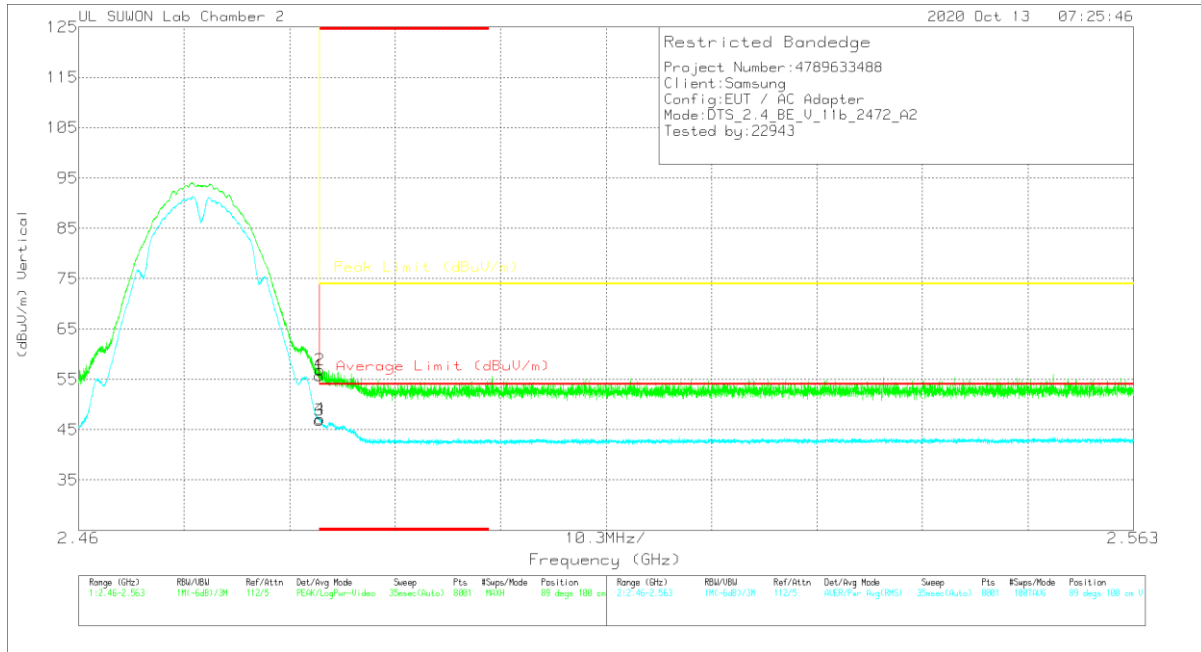


Trace Markers

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	47.37	PK	32	-20.2	0	59.17	-	-	74	-14.83	189	157	H
2	* 2.4836	47.44	PK	32	-20.2	0	59.24	-	-	74	-14.76	189	157	H
3	* 2.48351	39.54	RMS	32	-20.2	0	51.34	54	-2.66	-	-	189	157	H
4	* 2.48357	39.46	RMS	32	-20.2	0	51.26	54	-2.74	-	-	189	157	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT

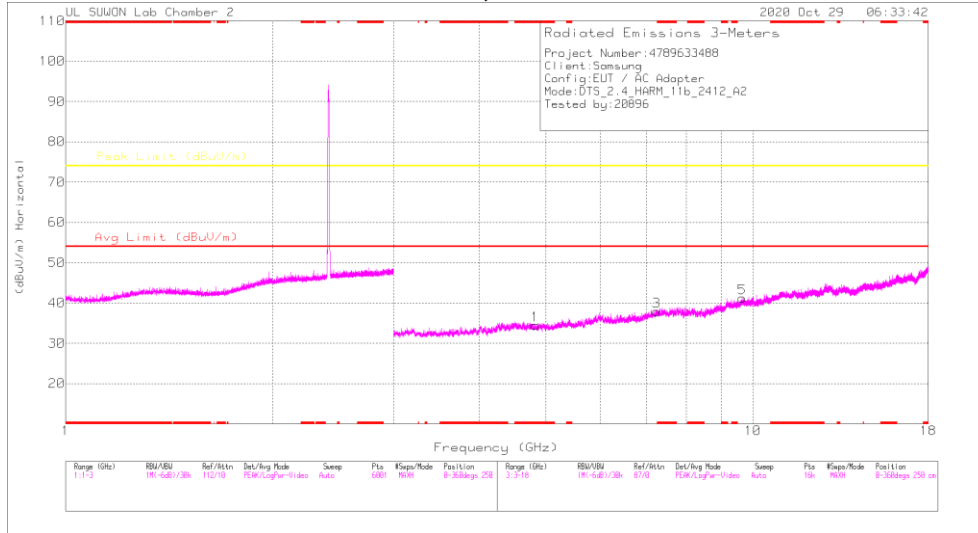


Trace Markers

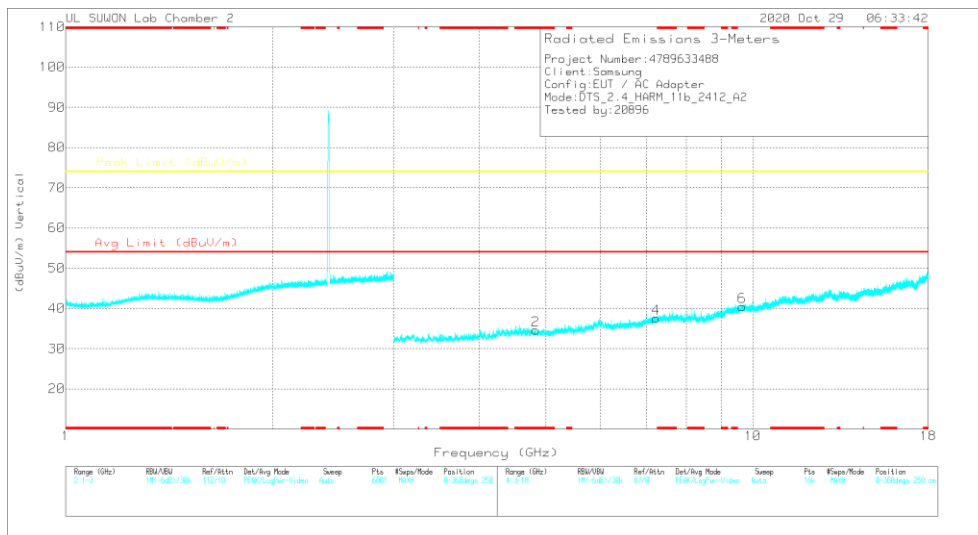
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.94	Pk	32	-20.2	0	55.74	-	-	74	-18.26	89	100	V
2	* 2.48354	45.06	Pk	32	-20.2	0	56.86	-	-	74	-17.14	89	100	V
3	* 2.48351	35.14	RMS	32	-20.2	0	46.94	54	-7.06	-	-	89	100	V
4	* 2.48354	35.34	RMS	32	-20.2	0	47.14	54	-6.86	-	-	89	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL, CH 1 RESULTS



HORIZONTAL



VERTICAL

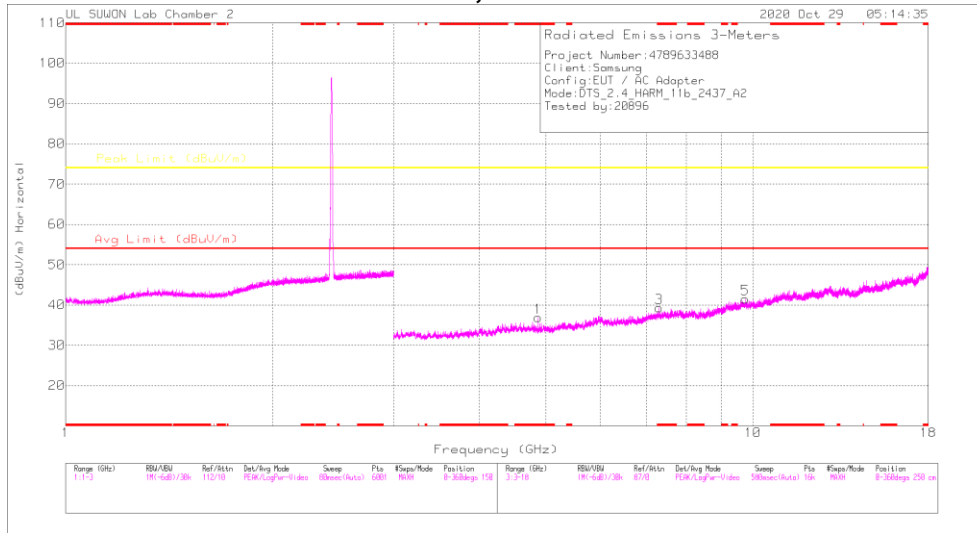
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

RADIATED EMISSIONS

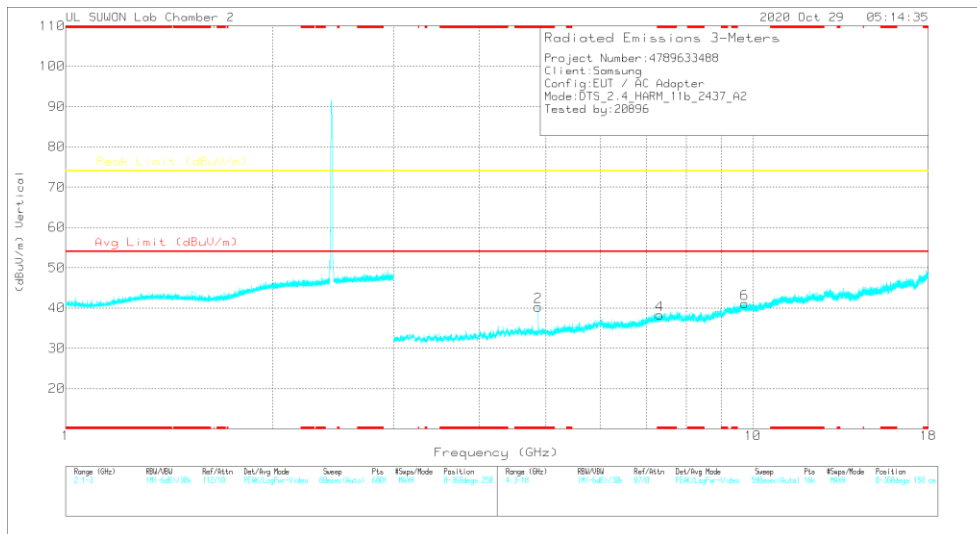
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82405	36.83	PK2	34.1	-27.9	0	43.03	-	-	74	-30.97	0	100	H
* 4.82964	37.49	PK2	34.1	-27.9	0	43.69	-	-	74	-30.31	0	100	V
7.23894	35.48	PK2	36.2	-25.1	0	46.58	-	-	74	-27.42	0	100	H
7.23549	35.23	PK2	36.2	-25.1	0	46.33	-	-	74	-27.67	0	100	V
9.64718	32.51	PK2	37	-20.8	0	48.71	-	-	74	-25.29	0	100	H
9.64411	33.05	PK2	37	-20.7	0	49.35	-	-	74	-24.65	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

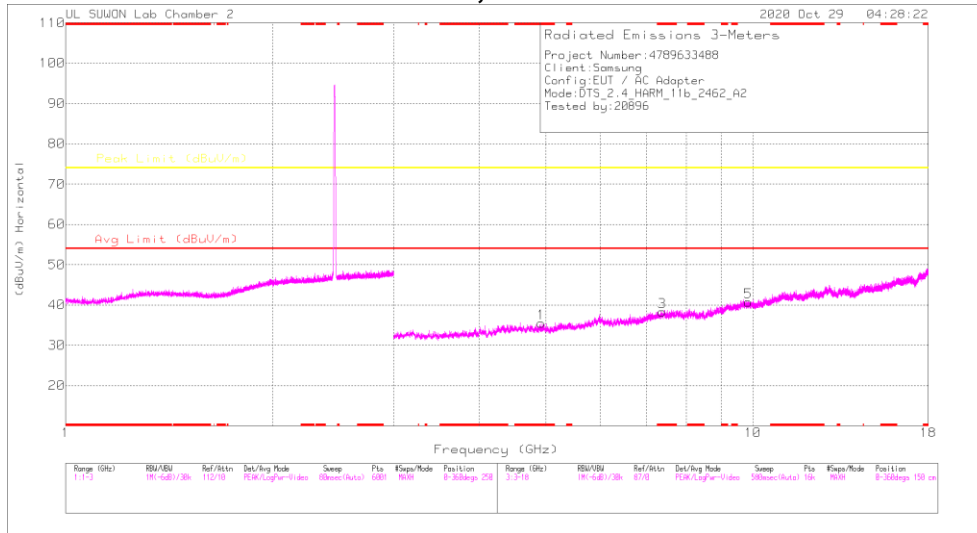
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

RADIATED EMISSIONS

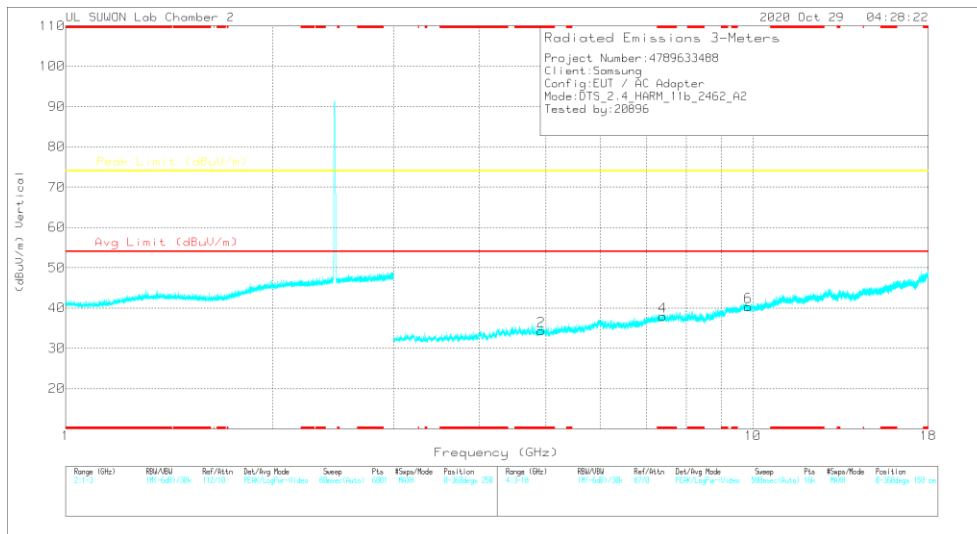
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87386	38.87	PK2	34.1	-27.7	0	45.27	-	-	74	-28.73	196	102	H
* 4.8739	31.06	MAv1	34.1	-27.7	0	37.46	54	-16.54	-	-	196	102	H
* 4.8739	40.32	PK2	34.1	-27.7	0	46.72	-	-	74	-27.28	135	288	V
* 4.87394	34.37	MAv1	34.1	-27.7	0	40.77	54	-13.23	-	-	135	288	V
* 7.31037	36.92	PK2	36.2	-24.6	0	48.52	-	-	74	-25.48	190	102	H
* 7.31261	26.47	MAv1	36.1	-24.6	0	37.97	54	-16.03	-	-	190	102	H
* 7.31205	36.54	PK2	36.2	-24.6	0	48.14	-	-	74	-25.86	152	106	V
* 7.30925	25.79	MAv1	36.2	-24.7	0	37.29	54	-16.71	-	-	152	106	V
9.74652	32.76	PK2	37.2	-20.5	0	49.46	-	-	74	-24.54	0	100	H
9.74456	32.4	PK2	37.2	-20.5	0	49.1	-	-	74	-24.9	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

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



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.

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
* 4.92391	37.63	PK2	34.1	-26.9	0	44.83	-	-	74	-29.17	188	101	H
* 4.92391	28.79	MAv1	34.1	-26.9	0	35.99	54	-18.01	-	-	188	101	H
* 4.92383	37.33	PK2	34.1	-26.9	0	44.53	-	-	74	-29.47	138	119	V
* 4.92395	29.03	MAv1	34.1	-26.8	0	36.33	54	-17.67	-	-	138	119	V
* 7.38269	35.07	PK2	36.1	-24	0	47.17	-	-	74	-26.83	0	100	H
* 7.38399	34.7	PK2	36.1	-23.9	0	46.9	-	-	74	-27.1	0	100	V
9.84762	32.43	PK2	37.3	-20.9	0	48.83	-	-	74	-25.17	0	100	H
9.84806	32.51	PK2	37.3	-20.9	0	48.91	-	-	74	-25.09	0	100	V

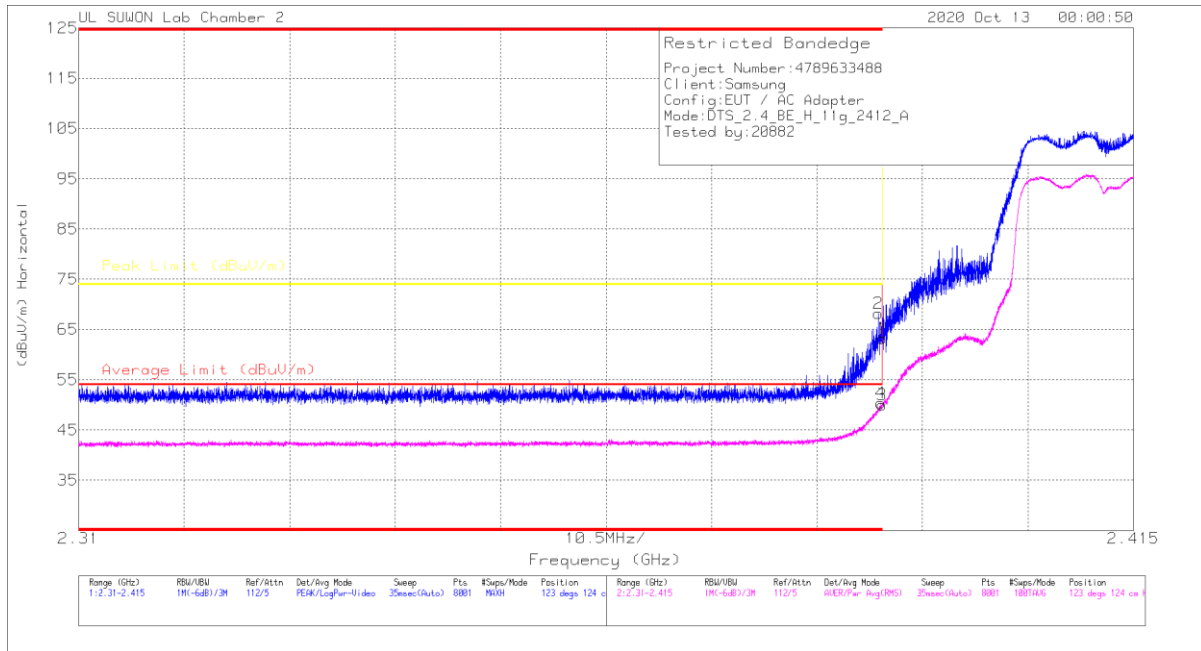
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.1.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

2TX Antenna 1 + Antenna 2

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

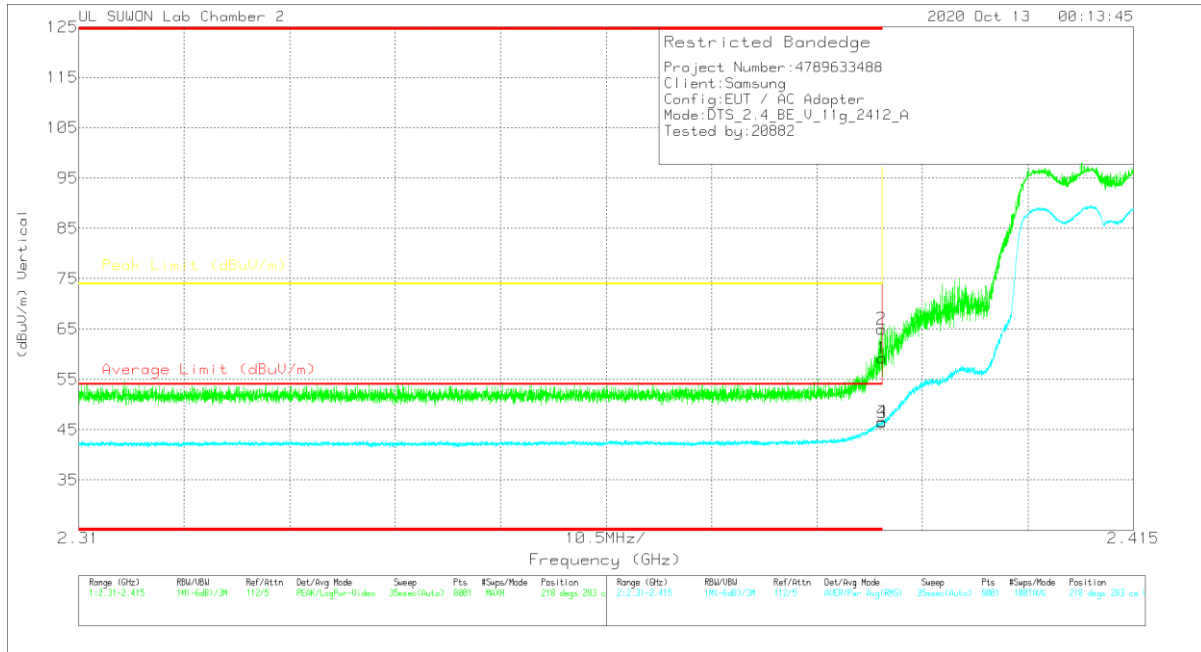
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.65	Pk	31.9	-20.3	0	63.25	-	-	74	-10.75	123	124	H
2	* 2.38962	56.61	Pk	31.9	-20.3	0	68.21	-	-	74	-5.79	123	124	H
3	* 2.39	38.22	RMS	31.9	-20.3	.15	49.97	54	-4.03	-	-	123	124	H
4	* 2.38987	38.63	RMS	31.9	-20.3	.15	50.38	54	-3.62	-	-	123	124	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



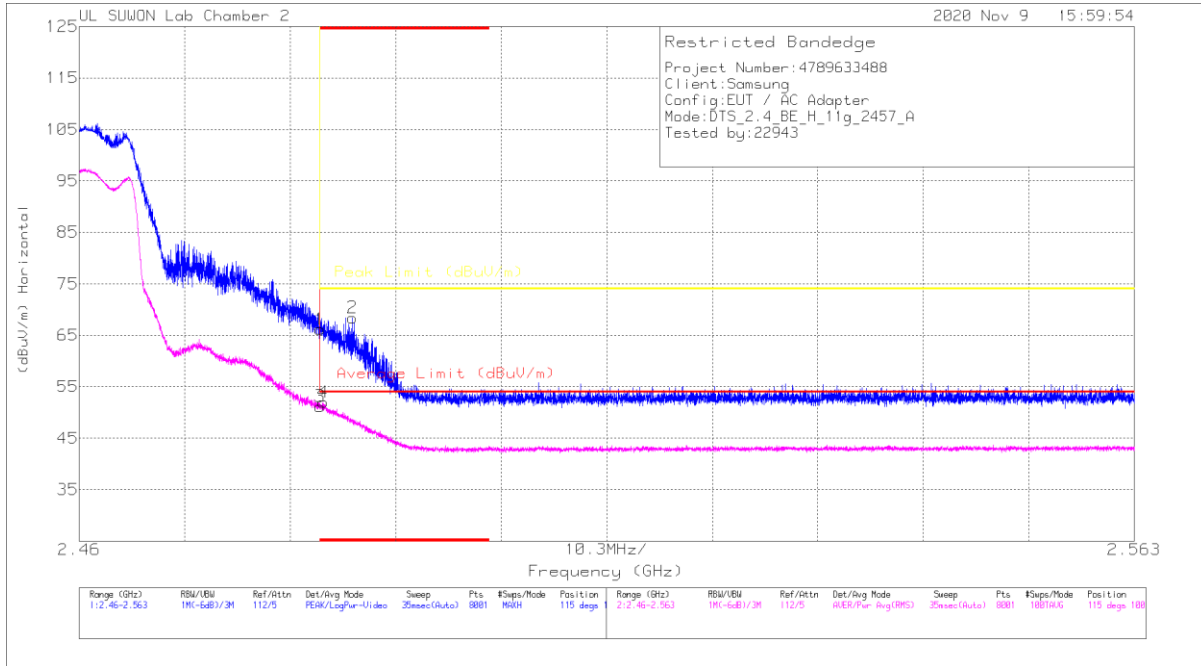
Trace Markers

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 (m)	Polarity
1	* 2.39	47.65	Pk	31.9	-20.3	0	59.25	-	-	74	-14.75	218	283	V
2	* 2.38991	53.42	Pk	31.9	-20.3	0	65.02	-	-	74	-8.98	218	283	V
3	* 2.39	34.7	RMS	31.9	-20.3	.15	46.45	54	-7.55	-	-	218	283	V
4	* 2.38996	34.93	RMS	31.9	-20.3	.15	46.68	54	-7.32	-	-	218	283	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



Trace Markers

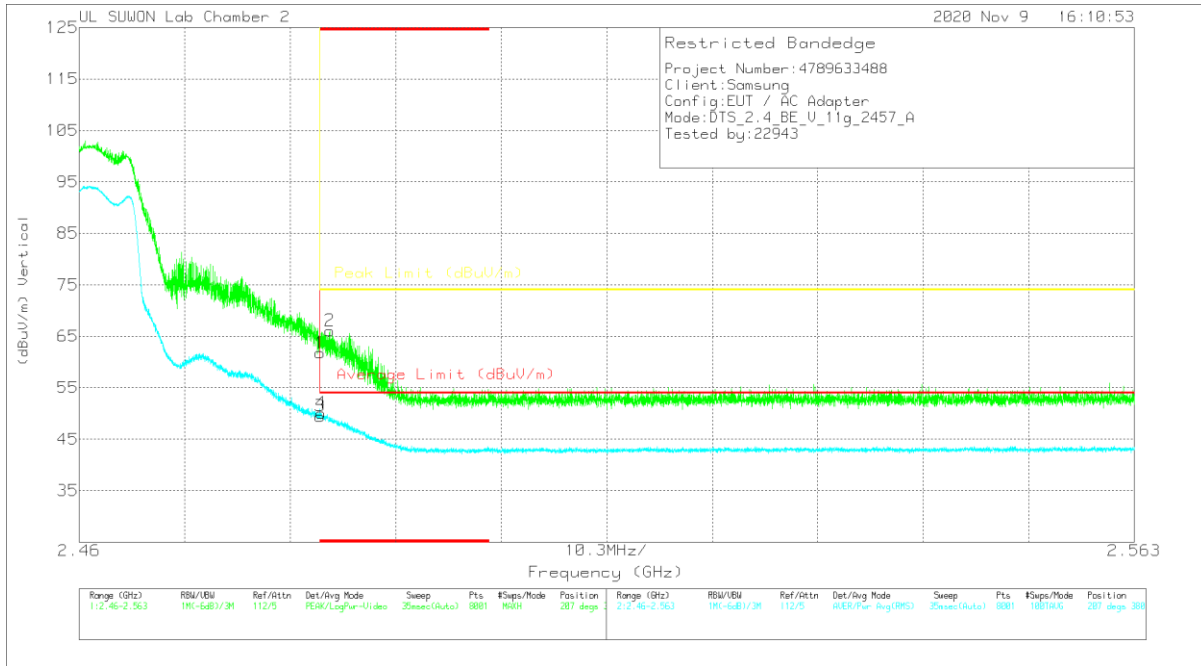
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	54.35	Pk	32	-20.2	0	66.15	-	-	74	-7.85	115	100	H
2	* 2.48668	56.61	Pk	32	-20.2	0	68.41	-	-	74	-5.59	115	100	H
3	* 2.48351	39.21	RMS	32	-20.2	.15	51.16	54	-2.84	-	-	115	100	H
4	* 2.48382	40.03	RMS	32	-20.2	.15	51.98	54	-2.02	-	-	115	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



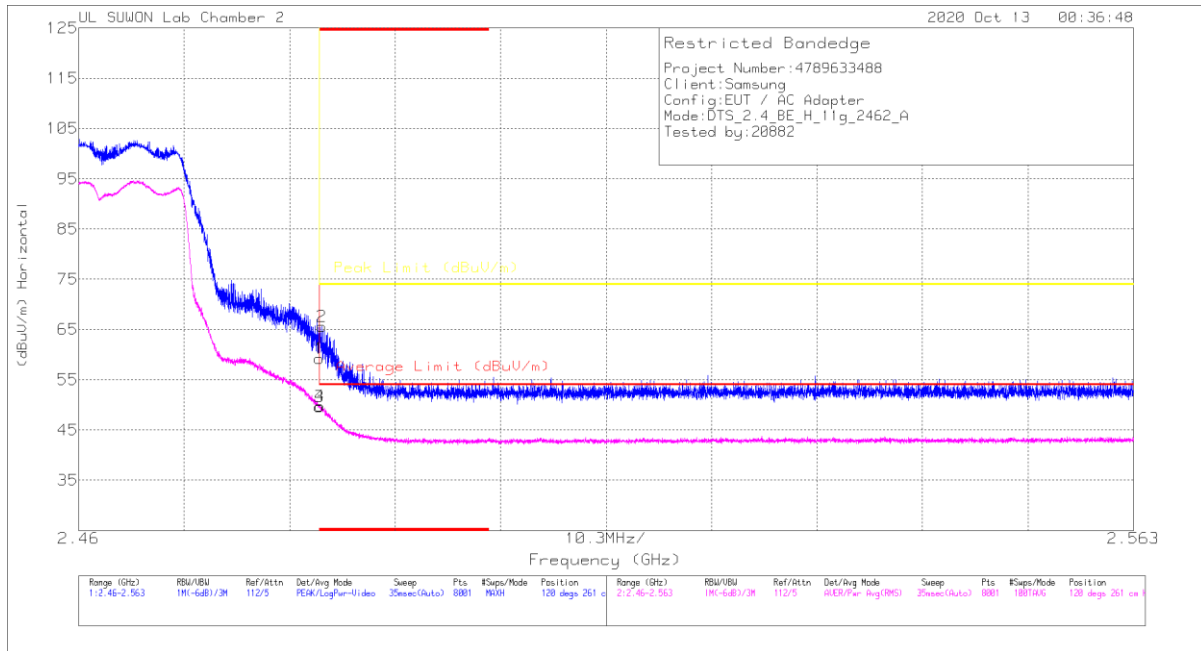
Trace Markers

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)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.48351	49.99	Pk	32	-20.2	0	61.79	-	-	74	-12.21	207	380	V
2	* 2.48445	54.29	Pk	32	-20.2	0	66.09	-	-	74	-7.91	207	380	V
3	* 2.48351	37.54	RMS	32	-20.2	-15	49.49	54	-4.51	-	-	207	380	V
4	* 2.48359	38.11	RMS	32	-20.2	-15	50.06	54	-3.94	-	-	207	380	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

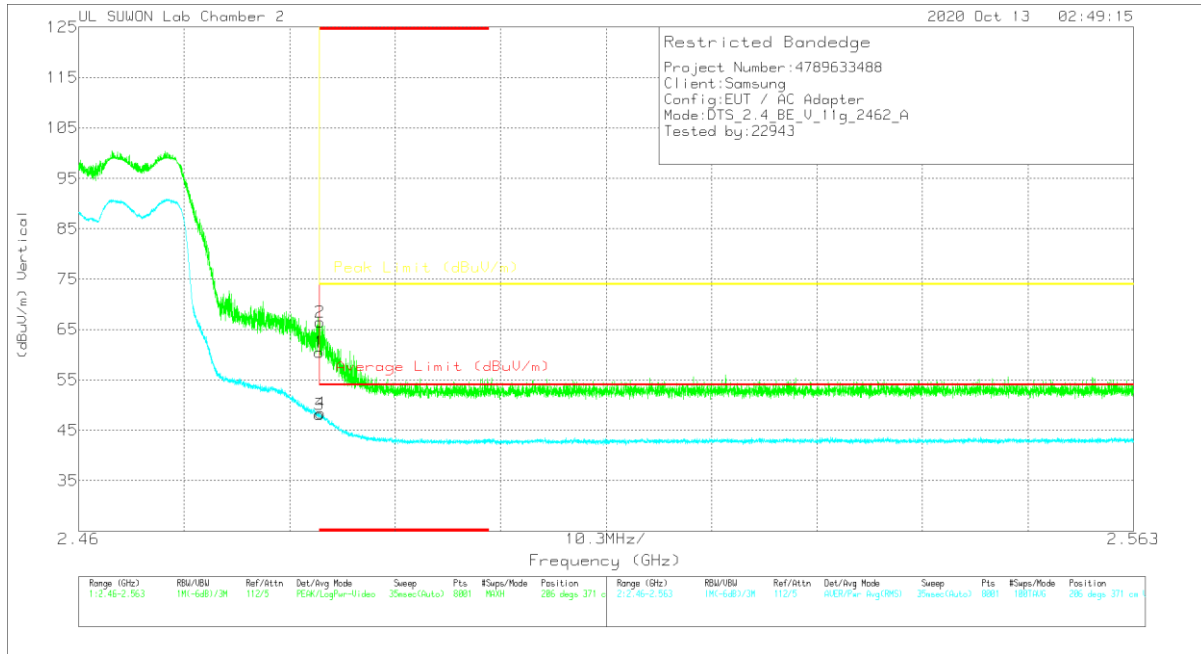


Trace Markers

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	47.48	PK	32	-20.2	0	59.28	-	-	74	-14.72	120	261	H
2	* 2.48373	53.78	PK	32	-20.2	0	65.58	-	-	74	-8.42	120	261	H
3	* 2.48351	37.66	RMS	32	-20.2	.15	49.61	54	-4.39	-	-	120	261	H
4	* 2.48354	37.77	RMS	32	-20.2	.15	49.72	54	-4.28	-	-	120	261	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



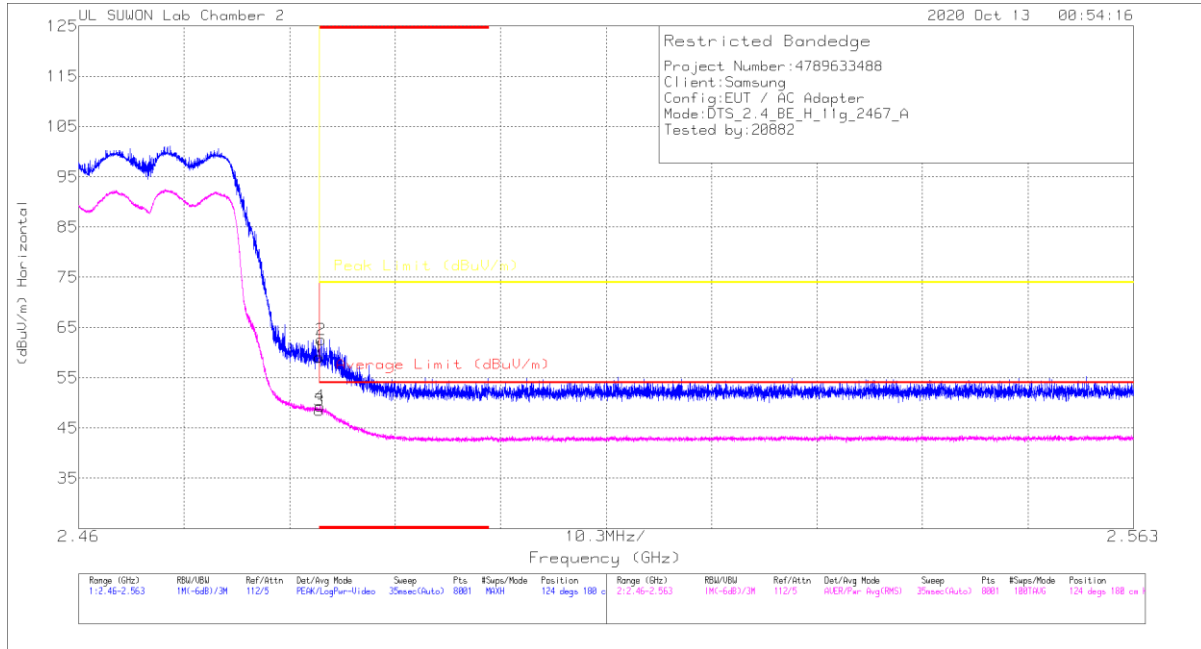
Trace Markers

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	48.68	Pk	32	-20.2	0	60.48	-	-	74	-13.52	206	371	V
2	* 2.48354	54.7	Pk	32	-20.2	0	66.5	-	-	74	-7.5	206	371	V
3	* 2.48351	36.2	RMS	32	-20.2	.15	48.15	54	-5.85	-	-	206	371	V
4	* 2.48363	36.42	RMS	32	-20.2	.15	48.37	54	-5.63	-	-	206	371	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



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	47.28	PK	32	-20.2	0	59.08	-	-	74	-14.92	124	180	H
2	* 2.4837	50.75	PK	32	-20.2	0	62.55	-	-	74	-11.45	124	180	H
3	* 2.48351	36.56	RMS	32	-20.2	.15	48.51	54	-5.49	-	-	124	180	H
4	* 2.48355	37.48	RMS	32	-20.2	.15	49.43	54	-4.57	-	-	124	180	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection