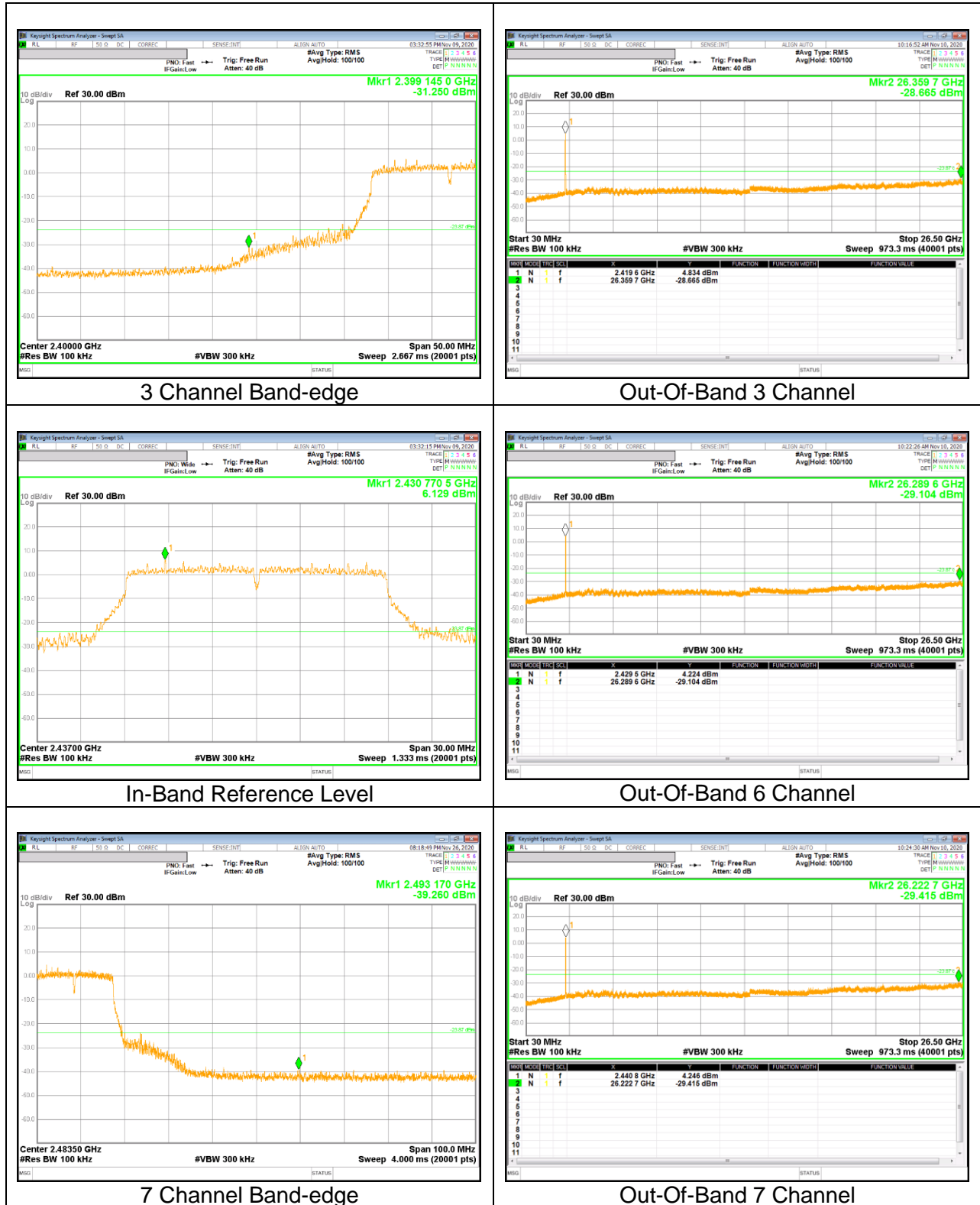
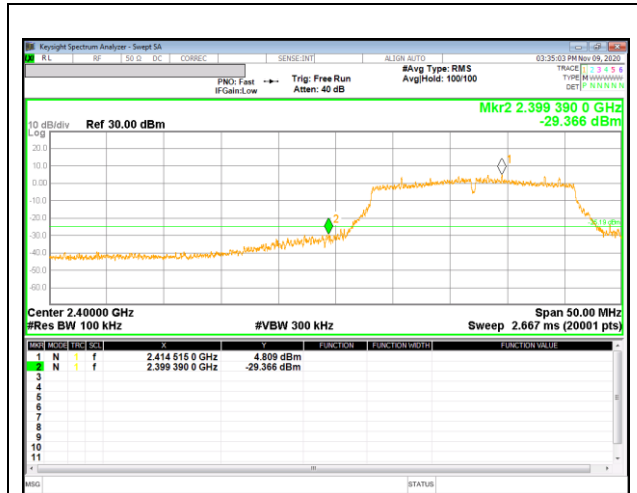


9.5.3. 802.11n HT20 MODE

2TX Antenna 1 MODE

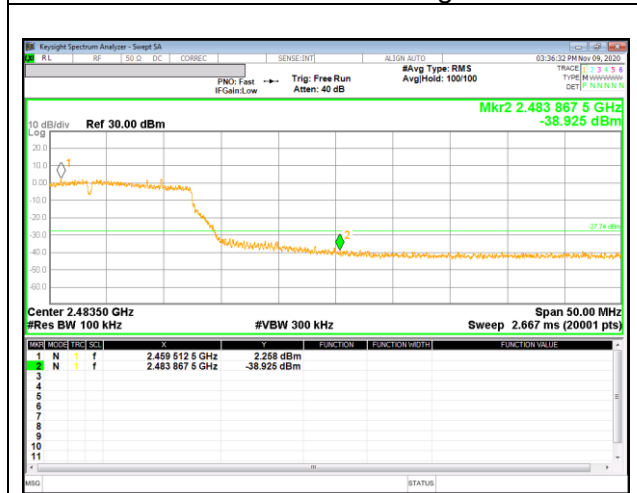




1 Channel Band-edge



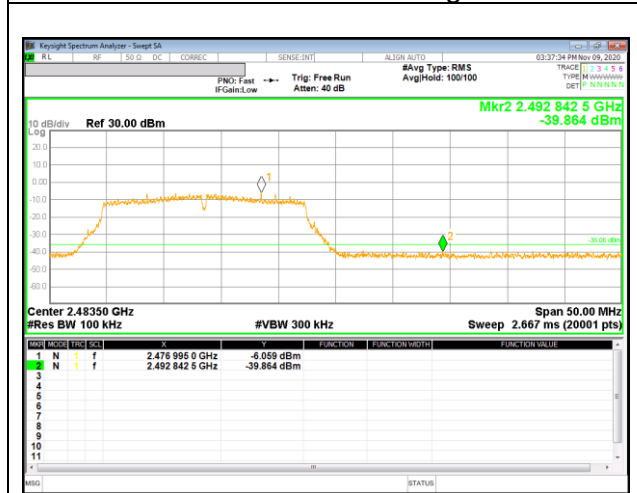
9 Channel Band-edge



11 Channel Band-edge

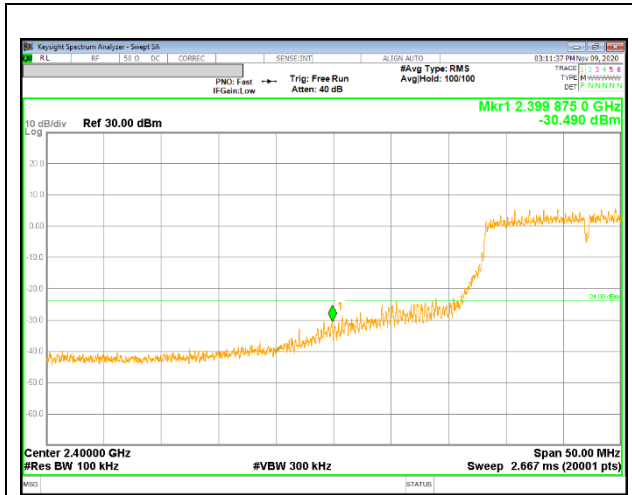


12 Channel Band-edge

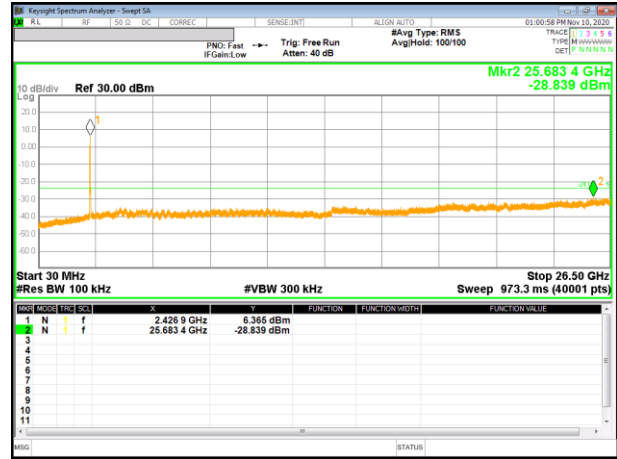


13 Channel Band-edge

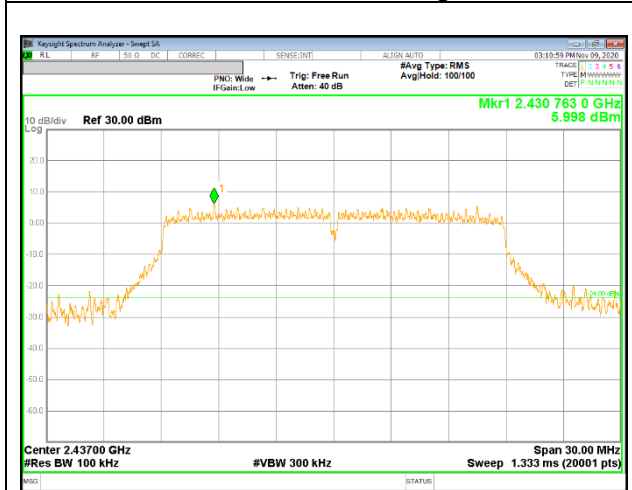
2TX Antenna 2 MODE



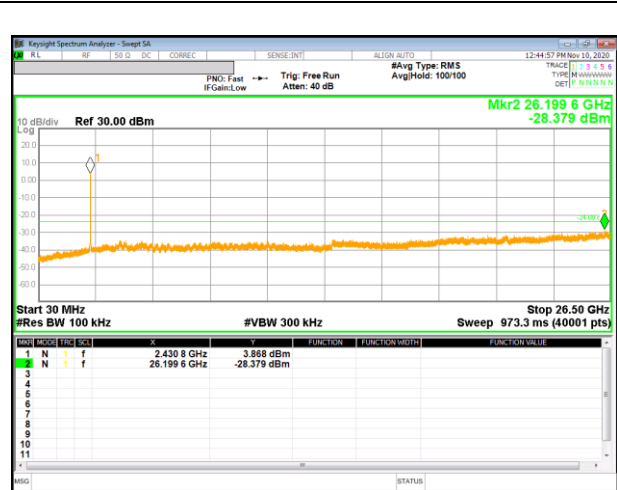
3 Channel Band-edge



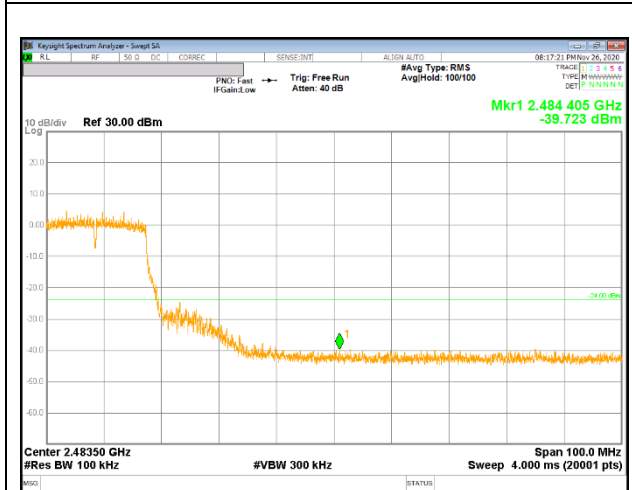
Out-Of-Band 3 Channel



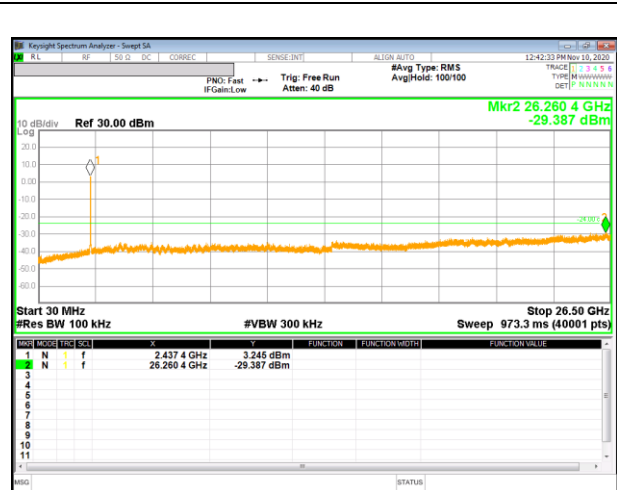
In-Band Reference Level



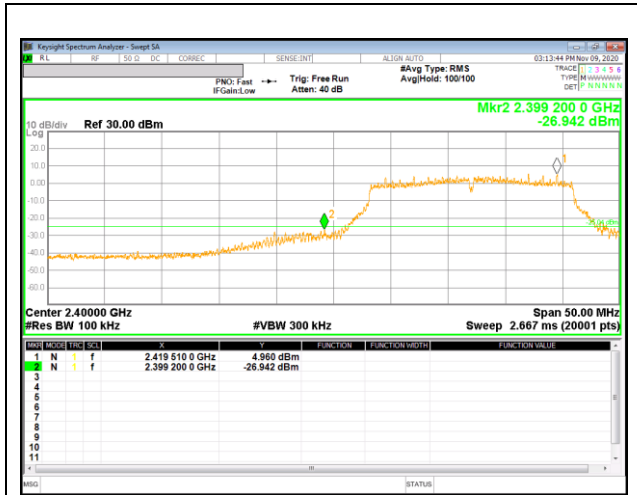
Out-Of-Band 6 Channel



7 Channel Band-edge



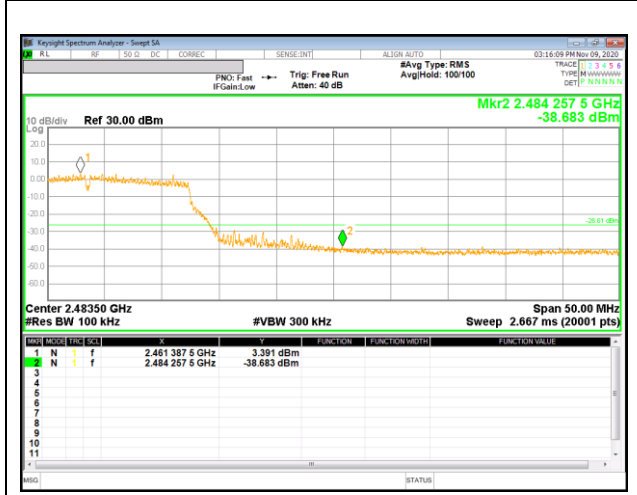
Out-Of-Band 7 Channel



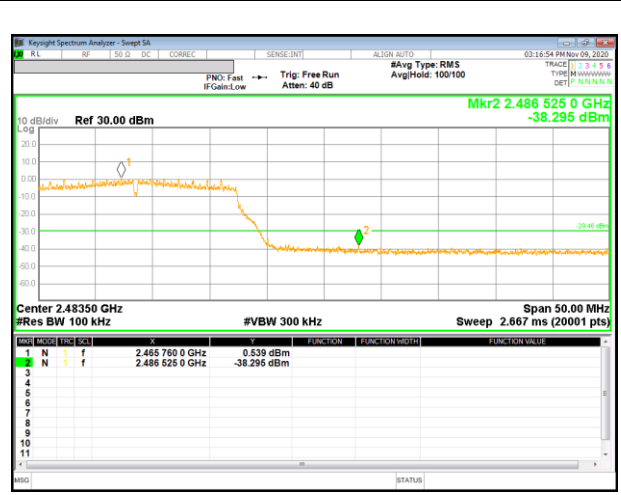
1 Channel Band-edge



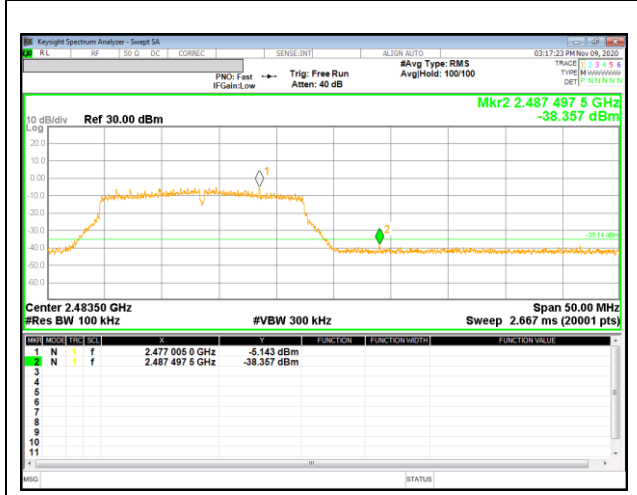
9 Channel Band-edge



11 Channel Band-edge



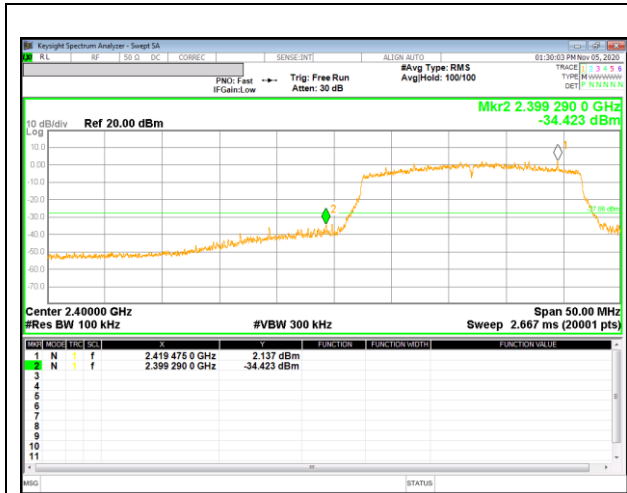
12 Channel Band-edge



13 Channel Band-edge

9.5.4. 802.11ax HE20(SU) MODE

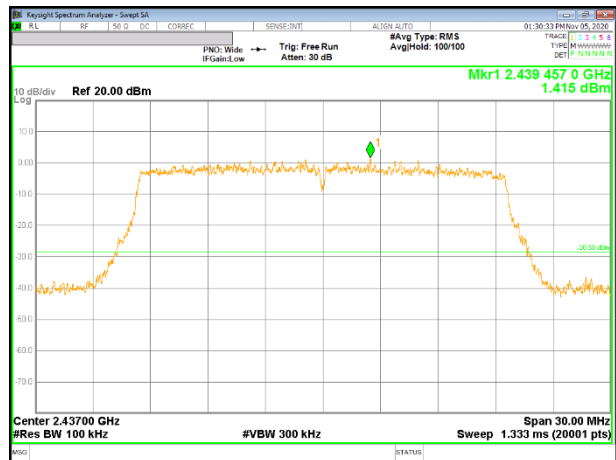
2TX Antenna 1 MODE



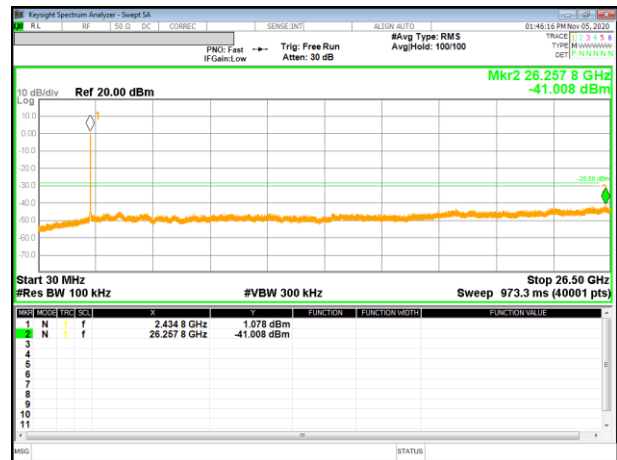
1 Channel Band-edge



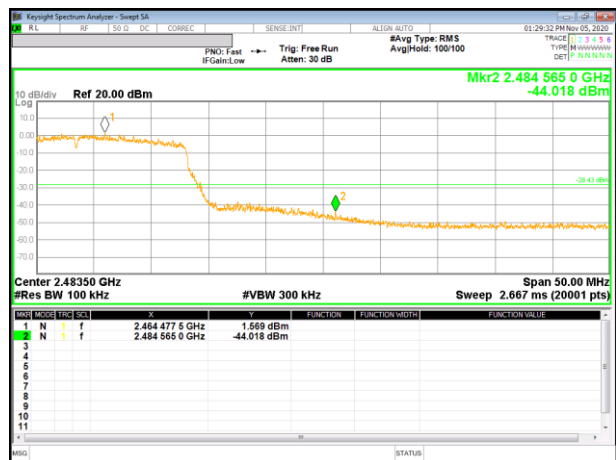
Out-Of-Band 1 Channel



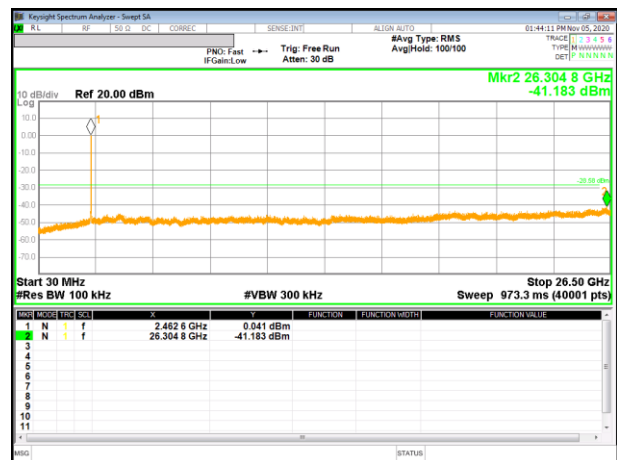
In-Band Reference Level



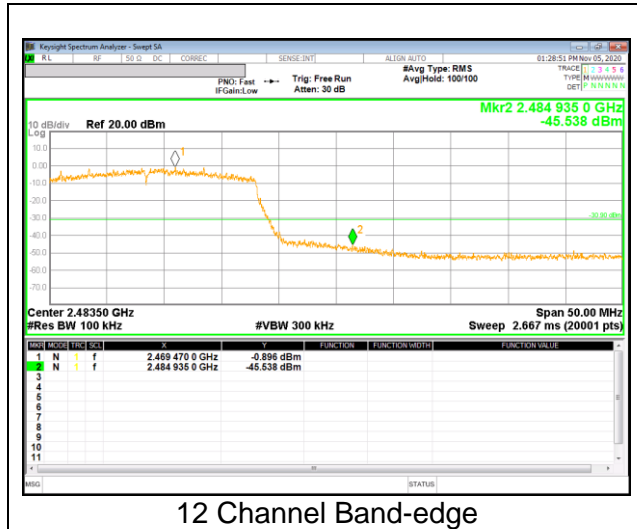
Out-Of-Band 6 Channel



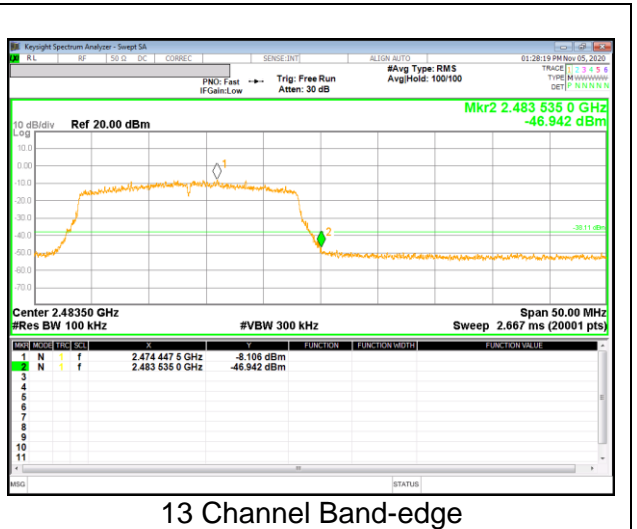
11 Channel Band-edge



Out-Of-Band 11 Channel

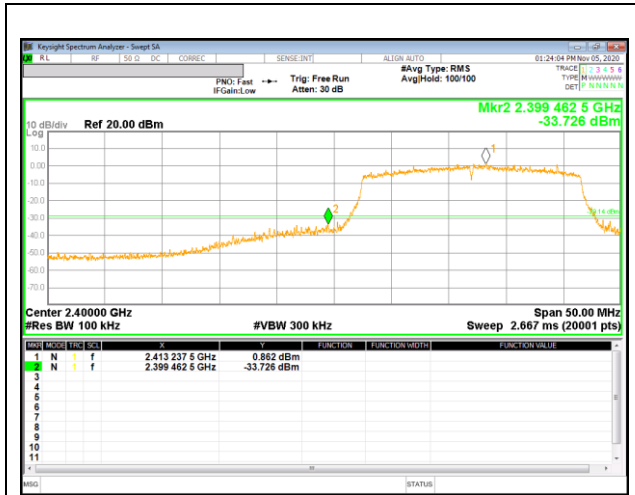


12 Channel Band-edge

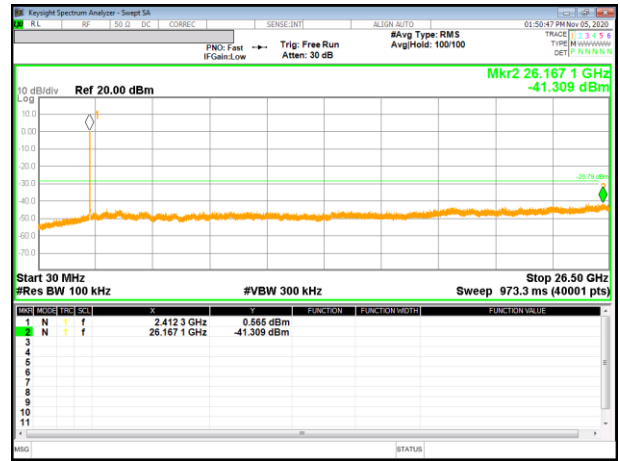


13 Channel Band-edge

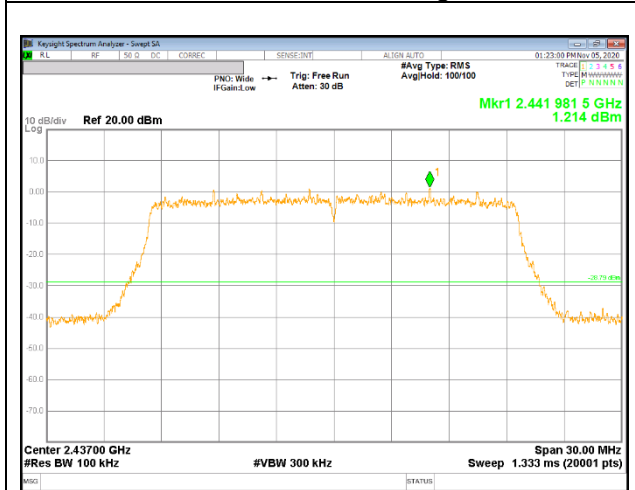
2TX Antenna 2 MODE



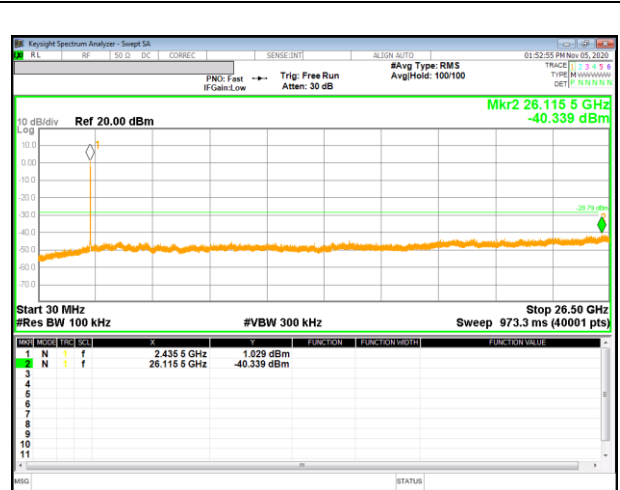
1 Channel Band-edge



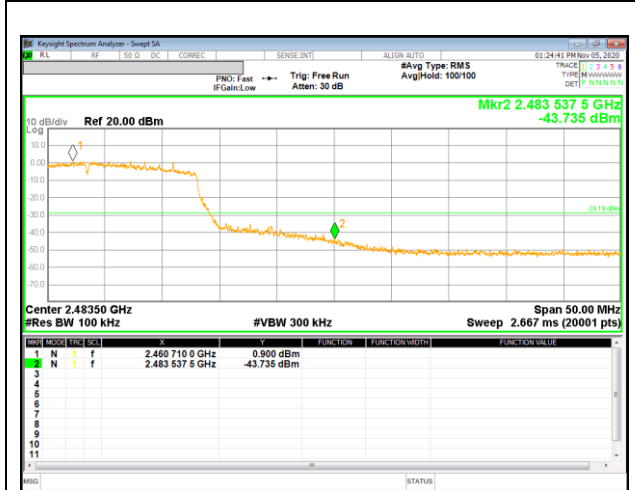
Out-Of-Band 1 Channel



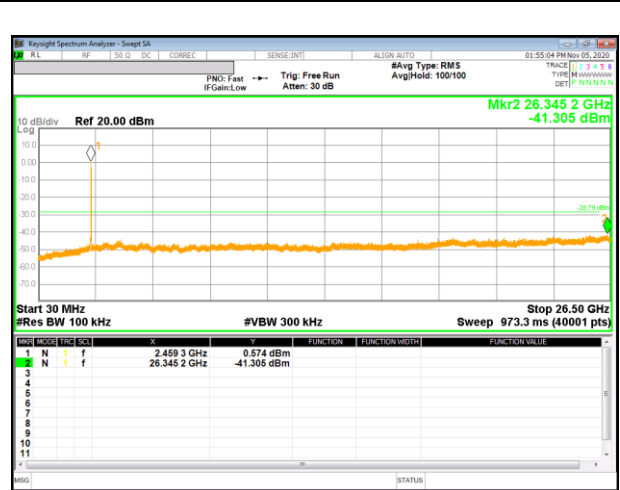
In-Band Reference Level



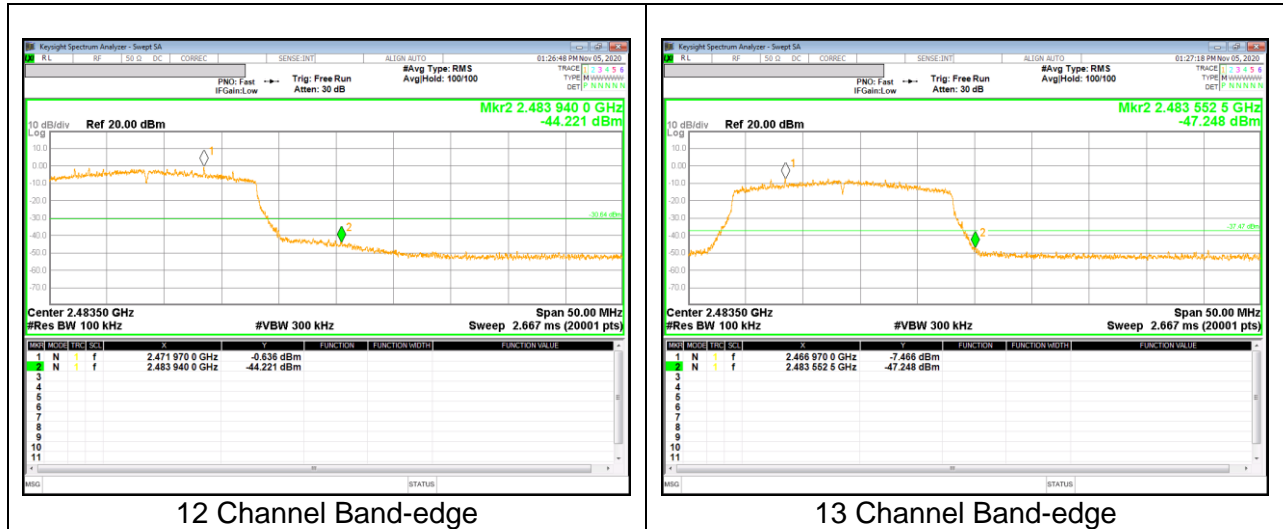
Out-Of-Band 6 Channel



11 Channel Band-edge

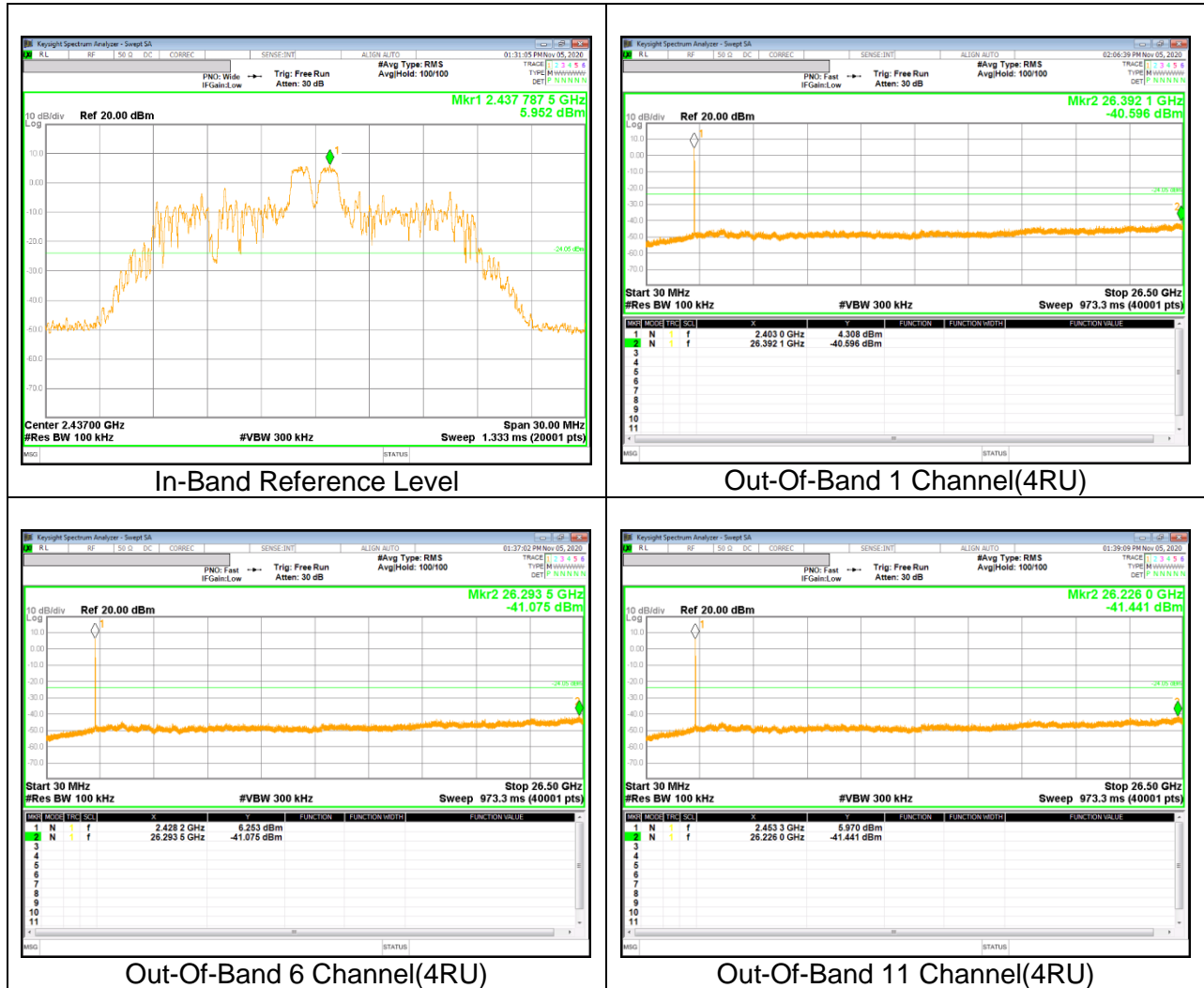


Out-Of-Band 11 Channel

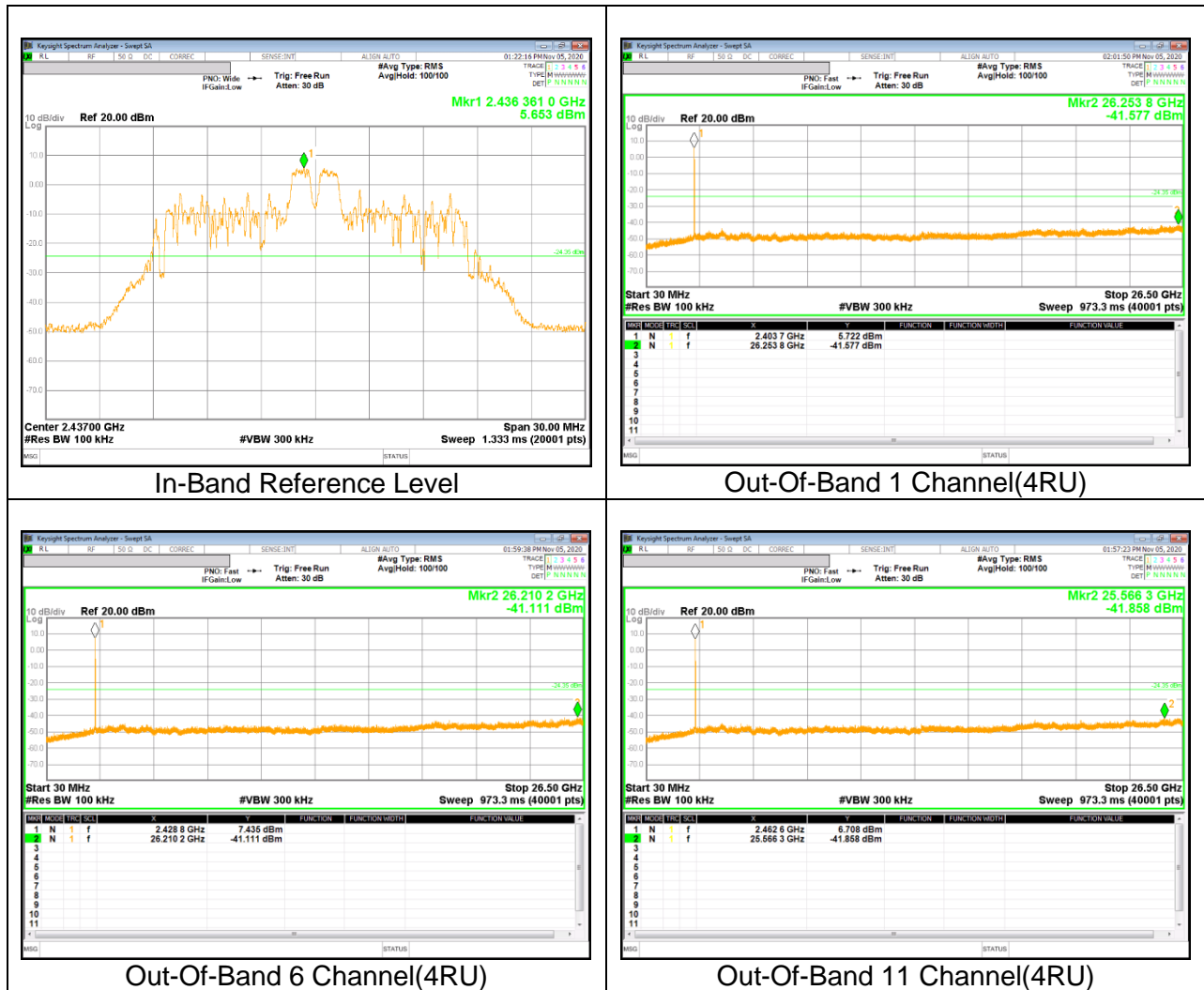


9.5.5. 802.11ax HE20(RU) MODE

2TX Antenna 1 MODE



2TX Antenna 2 MODE



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 (96.51 %);
802.11n(HT20) MIMO mode = 0 dB (duty cycle > 98%);
802.11ax(HE20) MIMO SU mode = 0.10 dB (97.69%);
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.

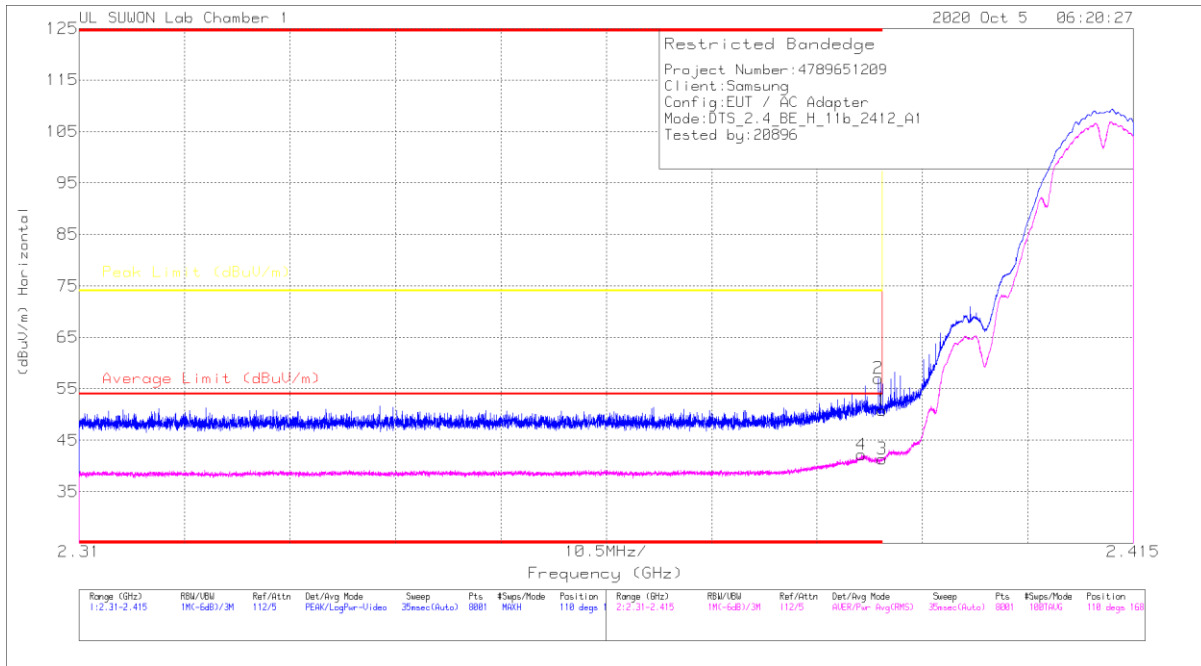
10.1. TRANSMITTER ABOVE 1 GHz

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

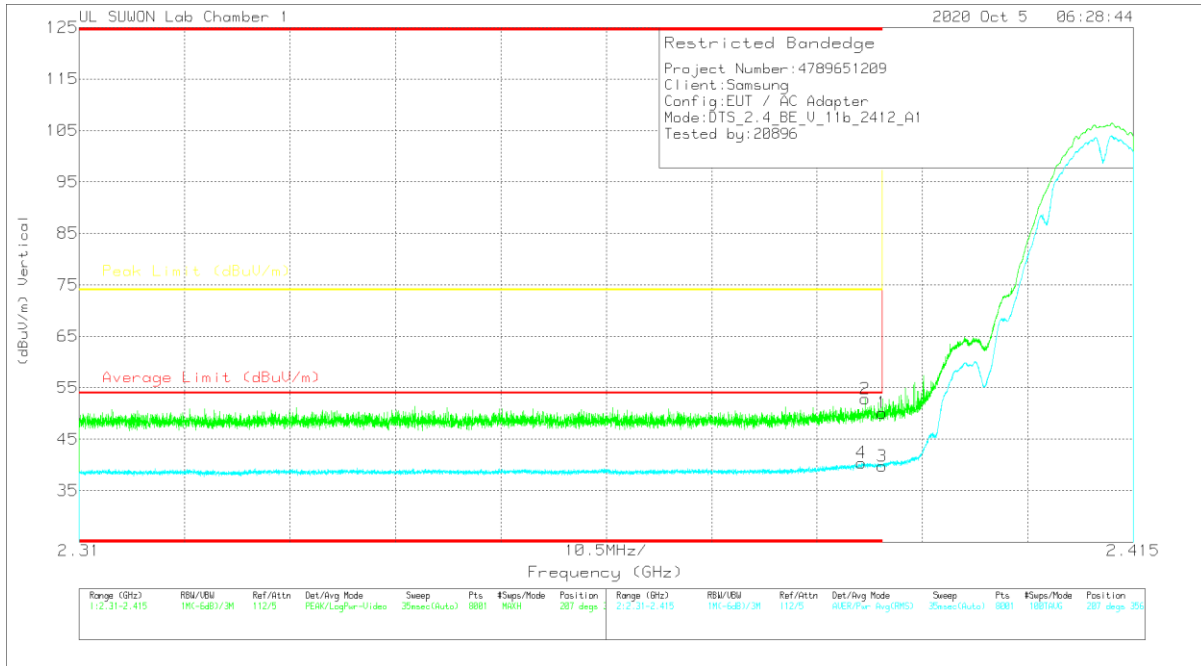


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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	44.49	Pk	31.8	-25.5	0	50.79	-	-	74	-23.21	110	168	H
2	* 2.3896	50.75	Pk	31.8	-25.5	0	57.05	-	-	74	-16.95	110	168	H
3	* 2.39	35.07	RMS	31.8	-25.5	0	41.37	54	-12.63	-	-	110	168	H
4	* 2.38794	35.9	RMS	31.8	-25.5	0	42.2	54	-11.8	-	-	110	168	H

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

VERTICAL RESULT



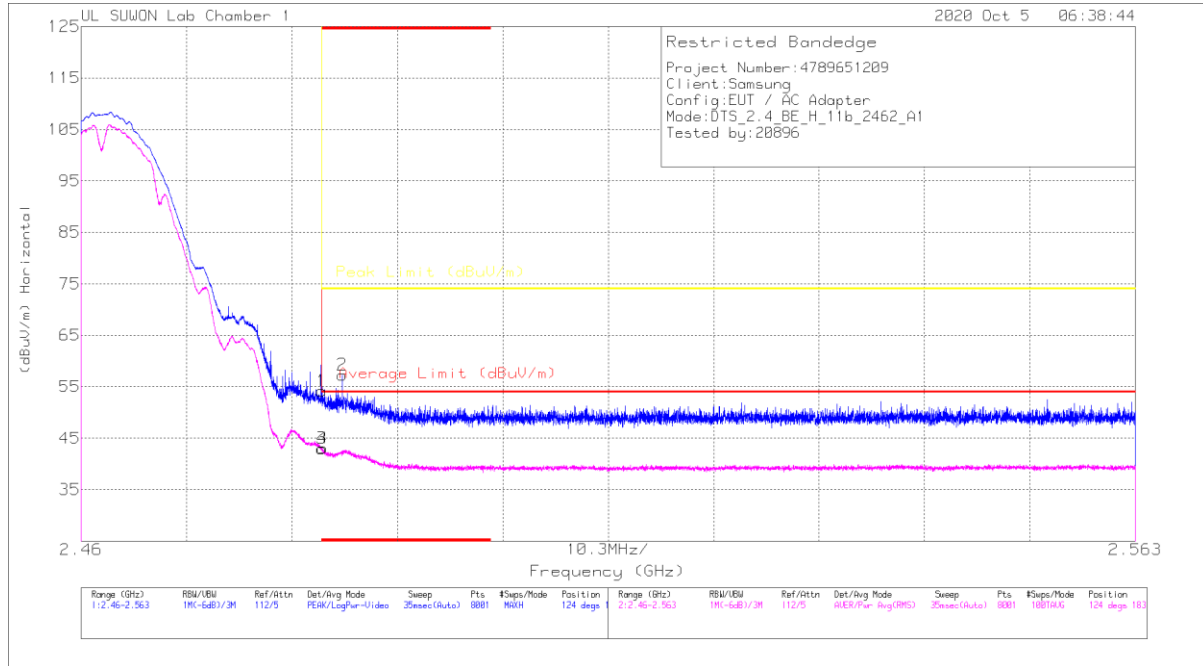
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	43.82	Pk	31.8	-25.5	0	50.12	-	-	74	-23.88	207	356	V
2	* 2.38828	46.53	Pk	31.8	-25.5	0	52.83	-	-	74	-21.17	207	356	V
3	* 2.39	33.46	RMS	31.8	-25.5	0	39.76	54	-14.24	-	-	207	356	V
4	* 2.38792	34.09	RMS	31.8	-25.5	0	40.39	54	-13.61	-	-	207	356	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

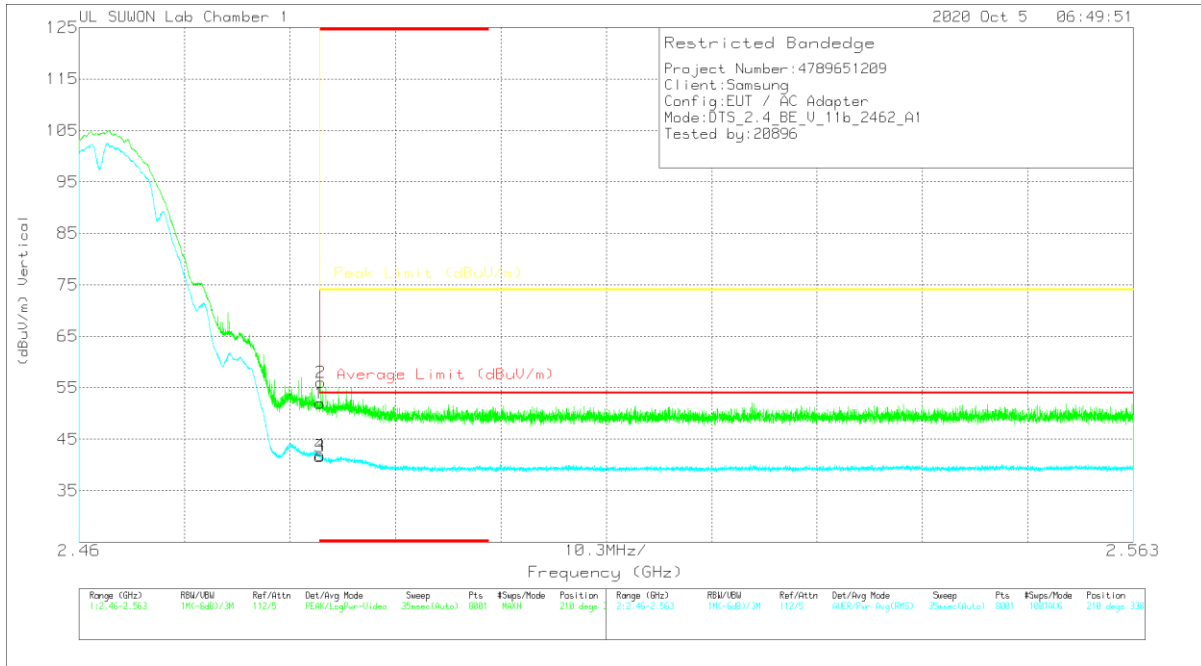
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	47.4	Pk	32	-25.2	0	54.2	-	-	74	-19.8	124	183	H
2	* 2.48551	50.48	Pk	32	-25.2	0	57.28	-	-	74	-16.72	124	183	H
3	* 2.48351	36.21	RMS	32	-25.2	0	43.01	54	-10.99	-	-	124	183	H
4	* 2.48357	36.26	RMS	32	-25.2	0	43.06	54	-10.94	-	-	124	183	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_00168717	10dB_ATT[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	45.19	Pk	32	-25.2	51.99	-	-	74	-22.01	210	338	V
2	* 2.48361	49.21	PK	32	-25.2	56.01	-	-	74	-17.99	210	338	V
3	* 2.48351	34.84	RMS	32	-25.2	41.64	54	-12.36	-	-	210	338	V
4	* 2.48355	35.13	RMS	32	-25.2	41.93	54	-12.07	-	-	210	338	V

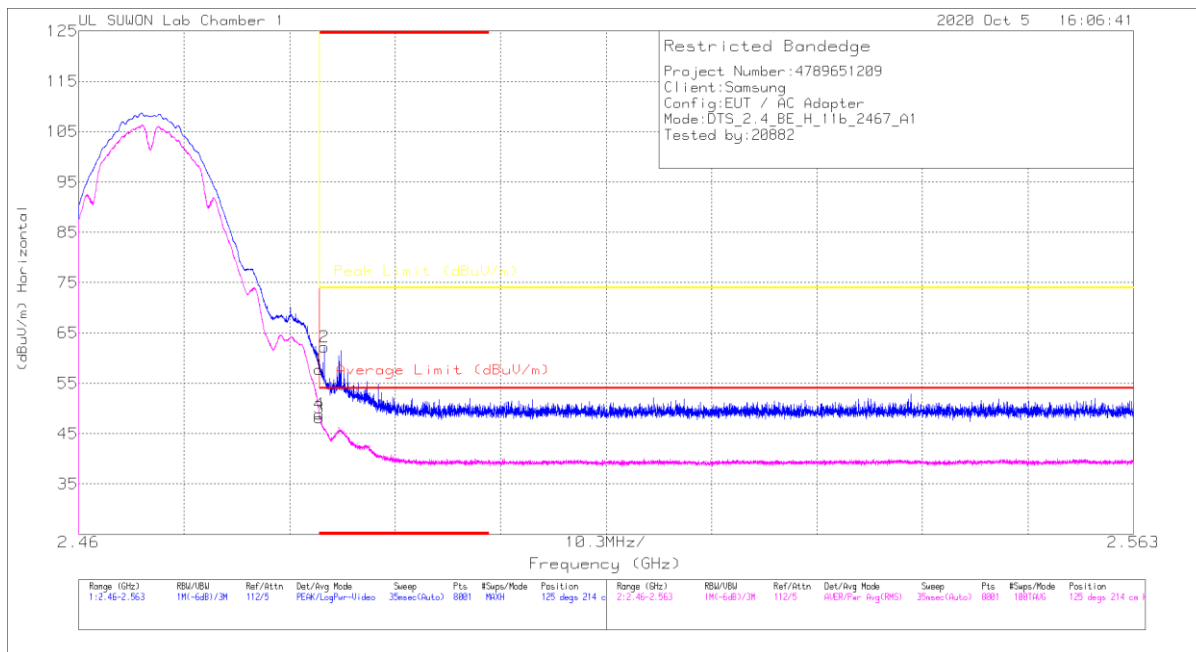
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



Trace Markers

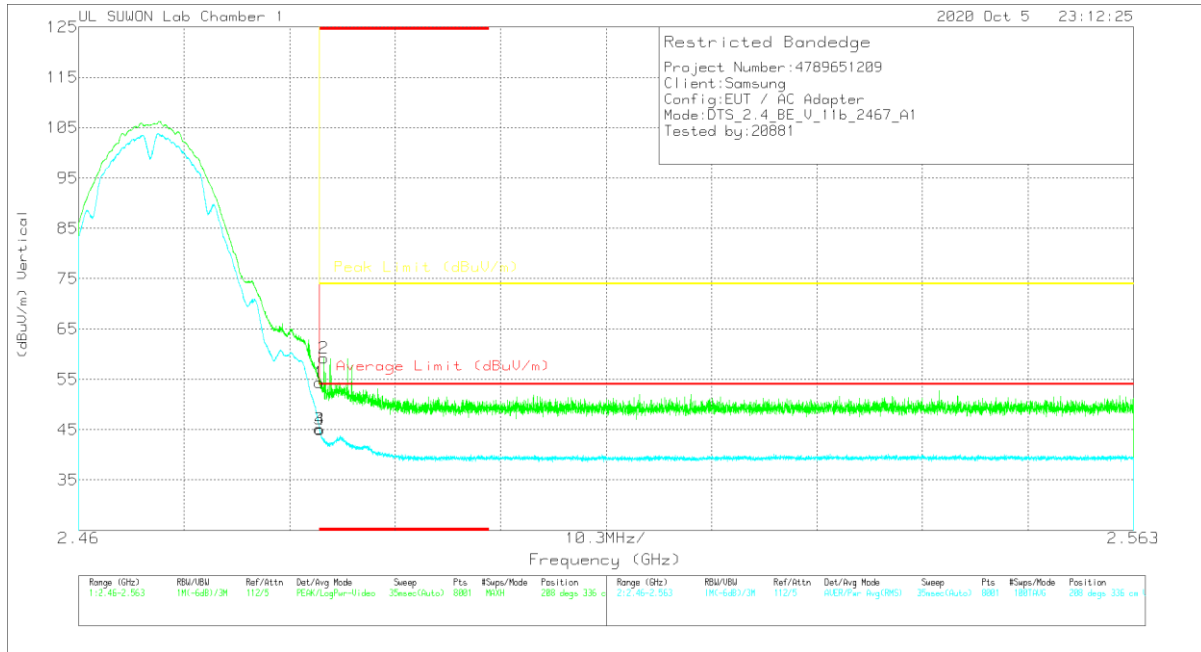
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	50.99	Pk	32	-25.2	0	57.79	-	-	74	-16.21	125	214	H
2	* 2.48399	55.33	Pk	32	-25.1	0	62.23	-	-	74	-11.77	125	214	H
3	* 2.48351	41.32	RMS	32	-25.2	0	48.12	54	-5.88	-	-	125	214	H
4	* 2.48352	42.05	RMS	32	-25.2	0	48.85	54	-5.15	-	-	125	214	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



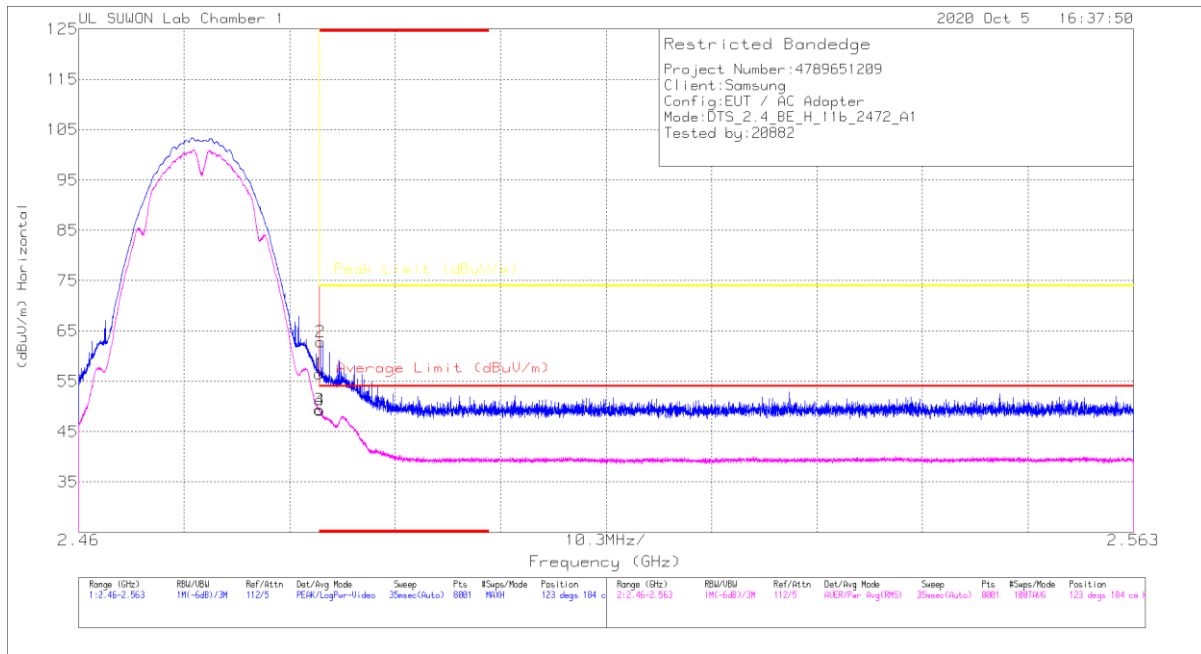
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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	47.68	Pk	32	-25.3	0	54.38	-	-	74	-19.62	208	336	V
2	* 2.48395	52.5	Pk	32	-25.3	0	59.2	-	-	74	-14.8	208	336	V
3	* 2.48351	38.42	RMS	32	-25.3	0	45.12	54	-8.88	-	-	208	336	V
4	* 2.48354	38.28	RMS	32	-25.3	0	44.98	54	-9.02	-	-	208	336	V

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

BANEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

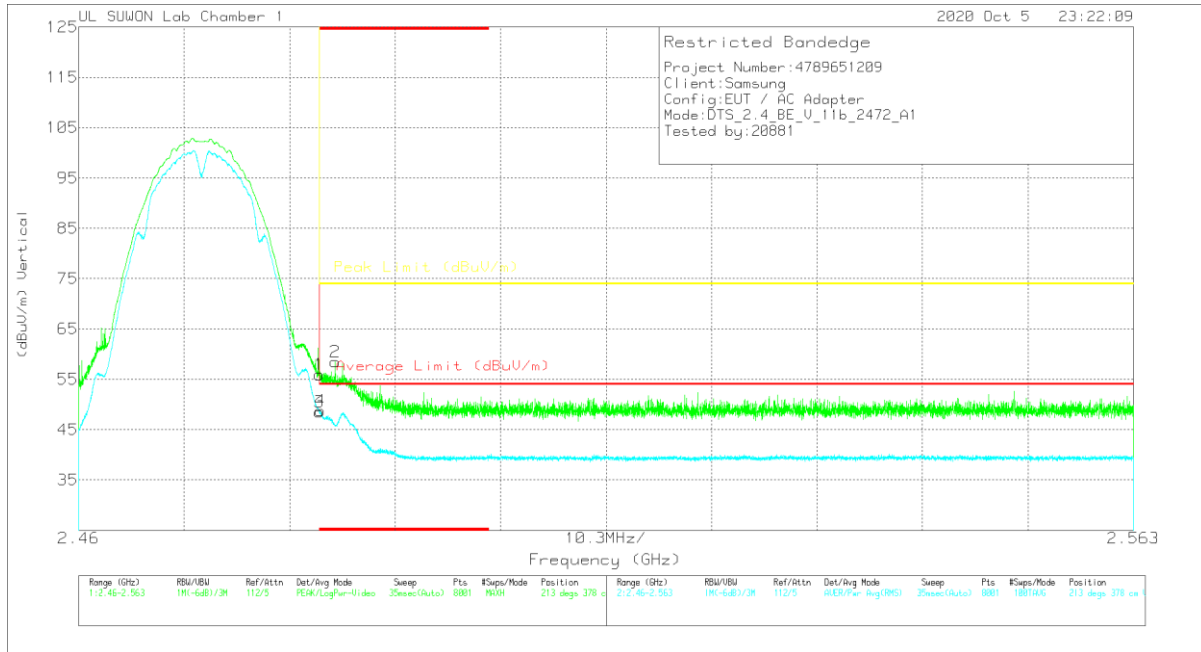


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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	49.73	PK	32	-25.2	0	56.53	-	-	74	-17.47	123	184	H
2	* 2.4836	56.04	PK	32	-25.2	0	62.84	-	-	74	-11.16	123	184	H
3	* 2.48351	42.63	RMS	32	-25.2	0	49.43	54	-4.57	-	-	123	184	H
4	* 2.48355	42.48	RMS	32	-25.2	0	49.28	54	-4.72	-	-	123	184	H

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

VERTICAL RESULT

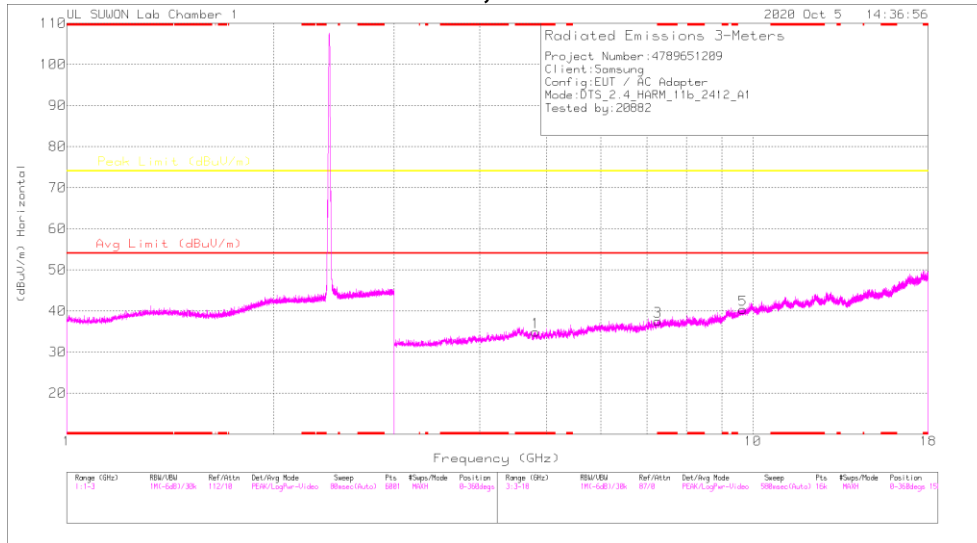


Trace Markers

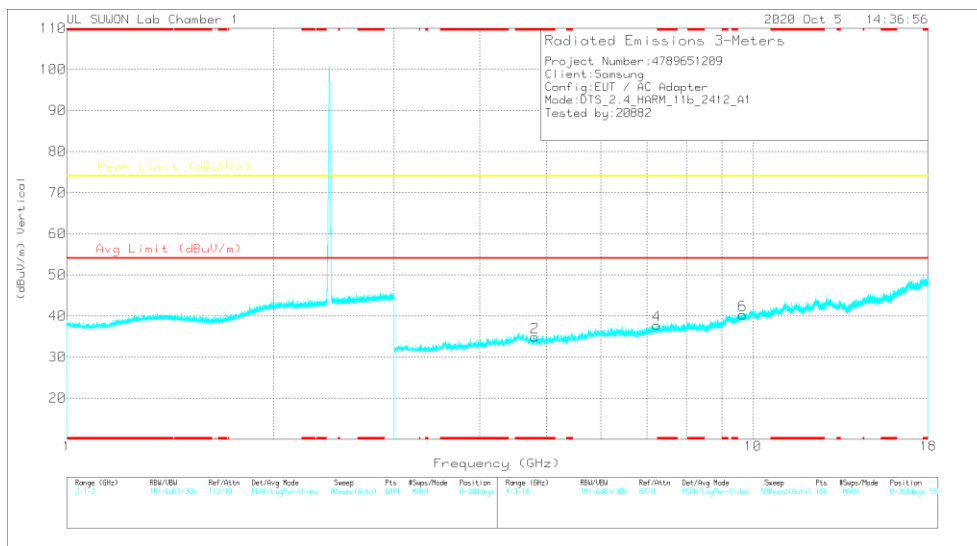
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.23	Pk	32	-25.3	0	55.93	-	-	74	-18.07	213	378	V
2	* 2.48505	51.63	Pk	32	-25.2	0	58.43	-	-	74	-15.57	213	378	V
3	* 2.48351	41.82	RMS	32	-25.3	0	48.52	54	-5.48	-	-	213	378	V
4	* 2.48359	42.04	RMS	32	-25.3	0	48.74	54	-5.26	-	-	213	378	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

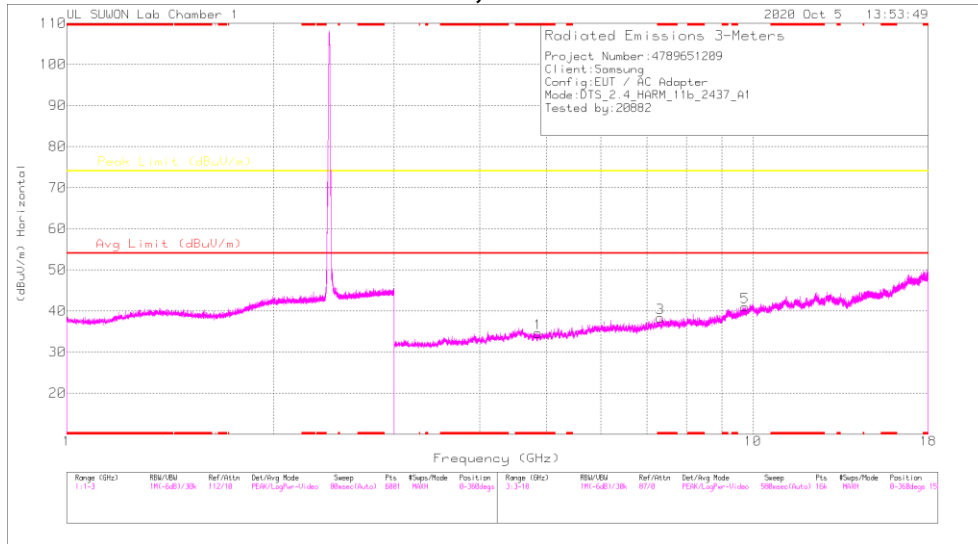
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

RADIATED EMISSIONS

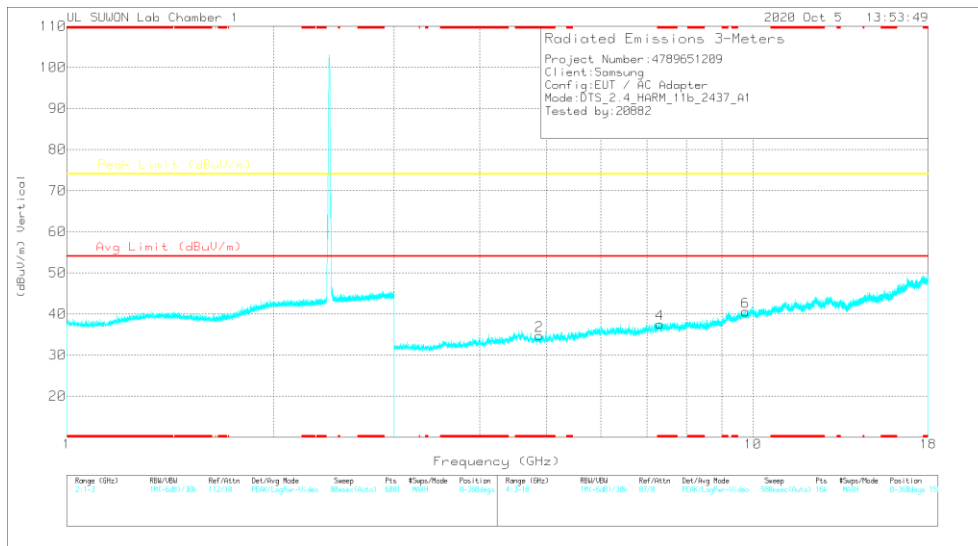
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.81239	40.94	PK2	34.1	-31.6	0	43.44	-	-	74	-30.56	0	100	H
* 4.80558	41.43	PK2	34.1	-31.5	0	44.03	-	-	74	-29.97	0	100	V
* 7.26033	37.26	PK2	35.8	-27.6	0	45.46	-	-	74	-28.54	0	100	H
* 7.26471	38.01	PK2	35.8	-27.6	0	46.21	-	-	74	-27.79	0	100	V
9.66314	35.26	PK2	37.3	-23.5	0	49.06	-	-	74	-24.94	0	100	H
9.67106	35.26	PK2	37.3	-23.6	0	48.96	-	-	74	-25.04	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

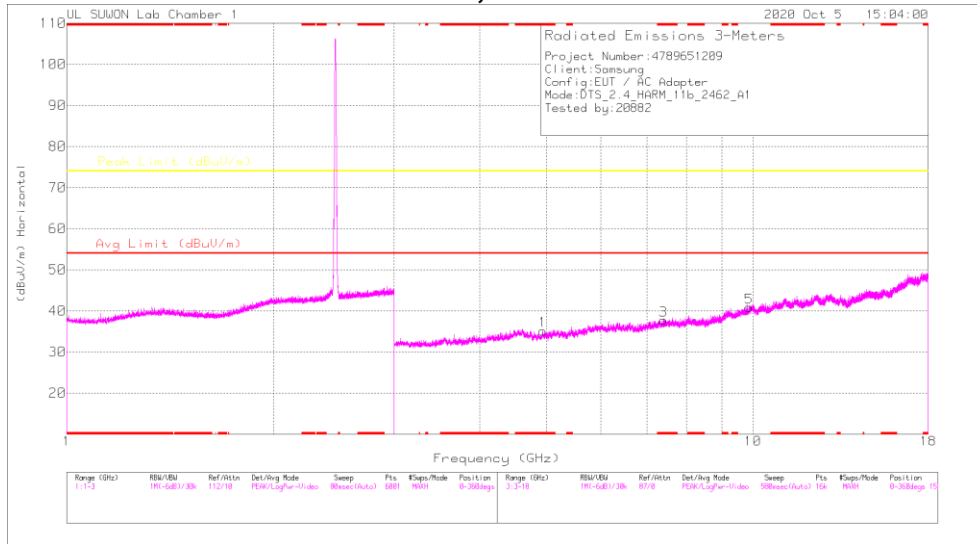
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

RADIATED EMISSIONS

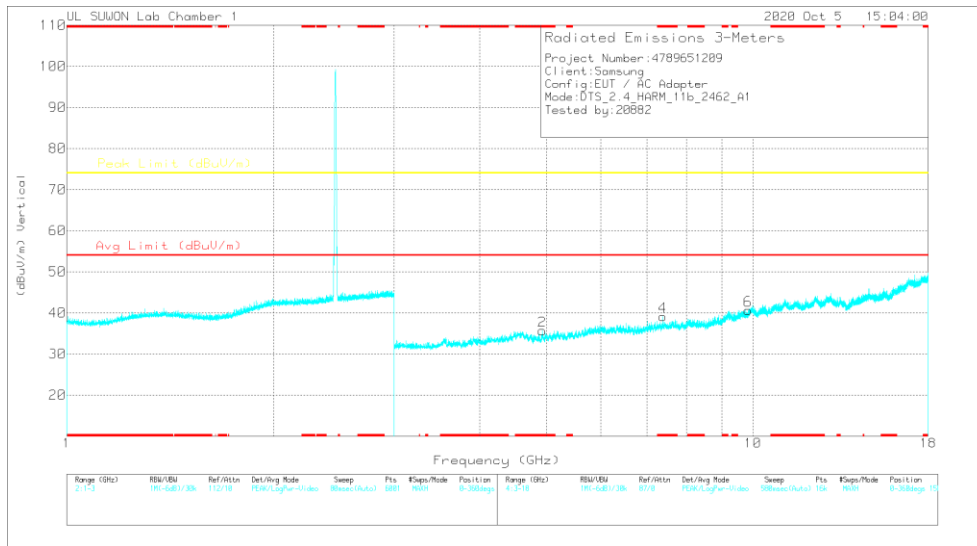
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87379	41.69	PK2	34.1	-31.6	0	44.19	-	-	74	-29.81	0	100	H
* 4.859	40.66	PK2	34.1	-31.5	0	43.26	-	-	74	-30.74	0	100	V
* 7.30625	37.62	PK2	35.8	-27.6	0	45.82	-	-	74	-28.18	0	100	H
* 7.31592	37.51	PK2	35.8	-27.4	0	45.91	-	-	74	-28.09	0	100	V
9.7359	34.99	PK2	37.4	-23.9	0	48.49	-	-	74	-25.51	0	100	H
9.72646	35.04	PK2	37.4	-23.9	0	48.54	-	-	74	-25.46	0	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

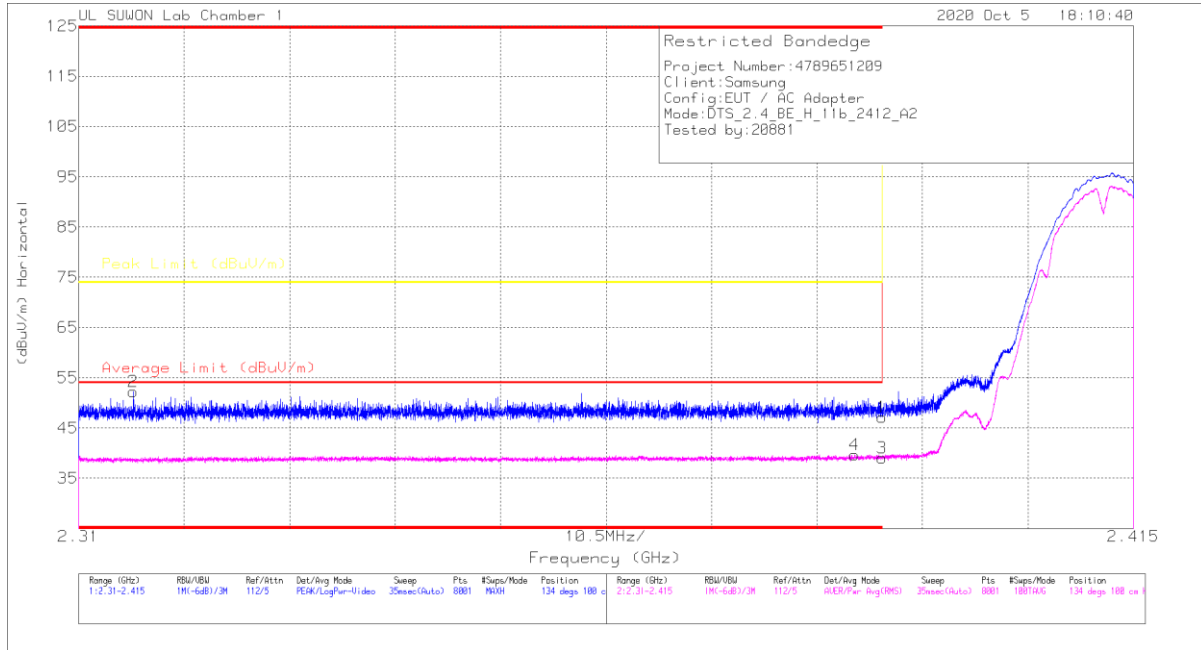
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.94032	41.66	PK2	34.1	-31.6	0	44.16	-	-	74	-29.84	360	100	H
* 4.94105	40.6	PK2	34.1	-31.6	0	43.1	-	-	74	-30.9	360	100	V
* 7.39179	37.71	PK2	35.8	-27	0	46.51	-	-	74	-27.49	360	100	H
* 7.38943	37.66	PK2	35.8	-27	0	46.46	-	-	74	-27.54	360	100	V
9.86493	34.83	PK2	37.6	-22.7	0	49.73	-	-	74	-24.27	360	100	H
9.86448	34.86	PK2	37.6	-22.7	0	49.76	-	-	74	-24.24	360	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

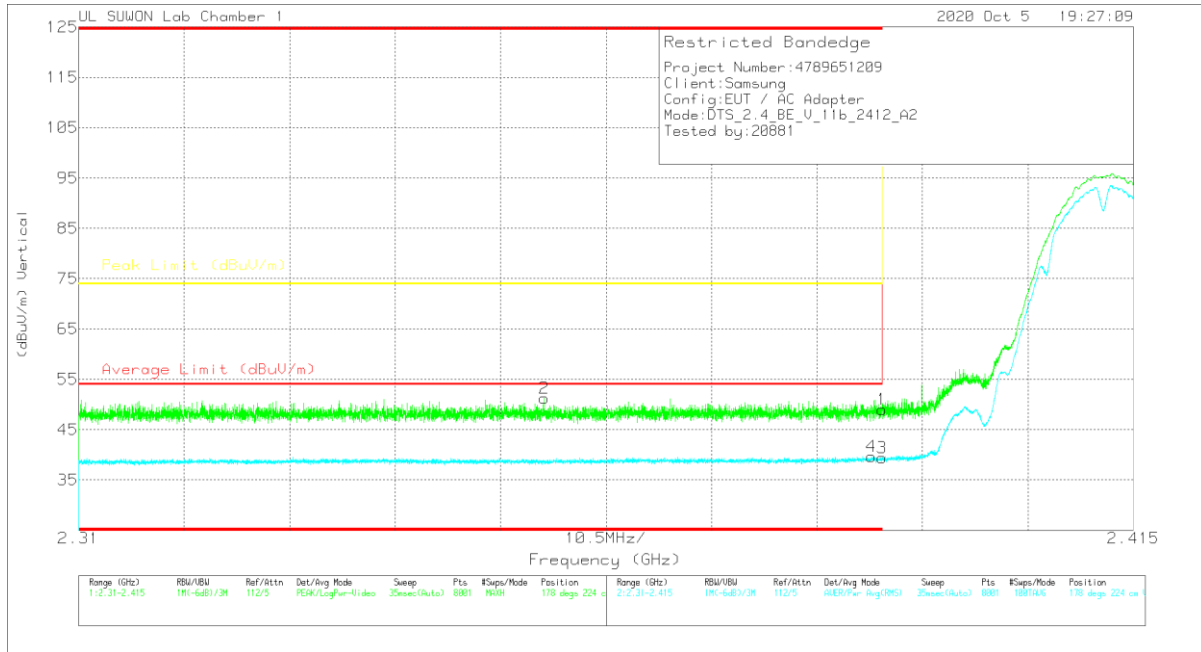
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.95	Pk	31.8	-25.6	0	47.15	-	-	74	-26.85	134	100	H
2	* 2.31545	46.43	Pk	31.6	-25.8	0	52.23	-	-	74	-21.77	134	100	H
3	* 2.39	32.82	RMS	31.8	-25.6	0	39.02	54	-14.98	-	-	134	100	H
4	* 2.38725	33.5	RMS	31.8	-25.6	0	39.7	54	-14.3	-	-	134	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_00168717	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	42.77	Pk	31.8	-25.6	0	48.97	-	-	74	-25.03	178	224	V
2	* 2.35636	45.22	Pk	31.7	-25.7	0	51.22	-	-	74	-22.78	178	224	V
3	* 2.39	33.21	RMS	31.8	-25.6	0	39.41	54	-14.59	-	-	178	224	V
4	* 2.38889	33.4	RMS	31.8	-25.5	0	39.7	54	-14.3	-	-	178	224	V

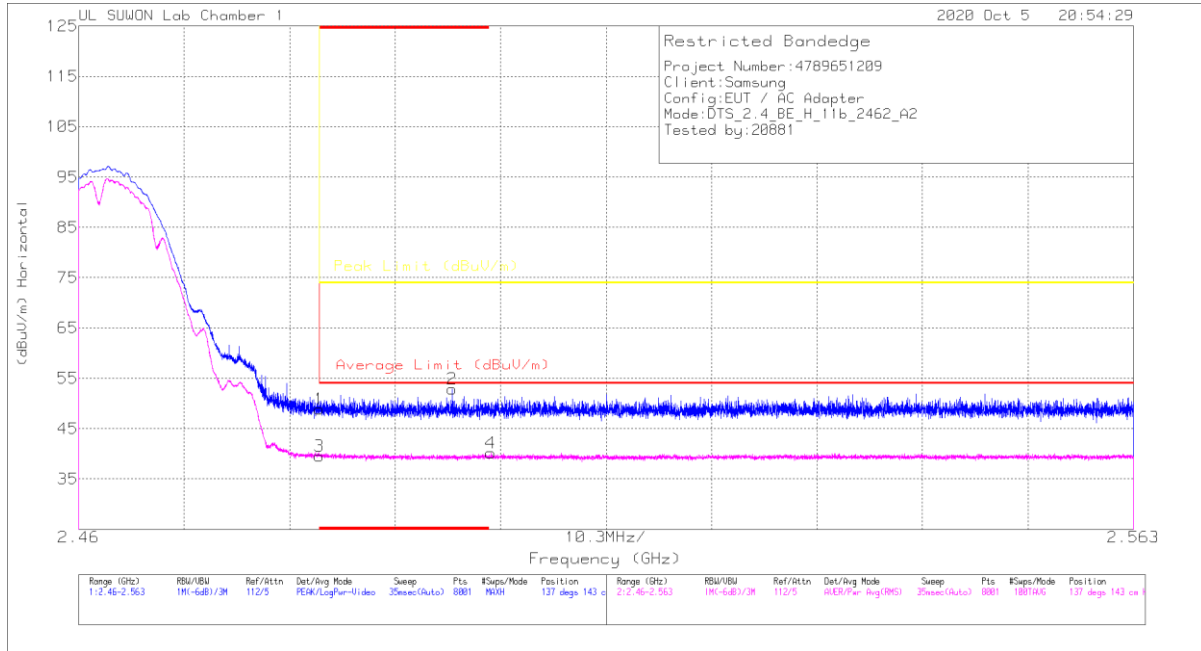
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

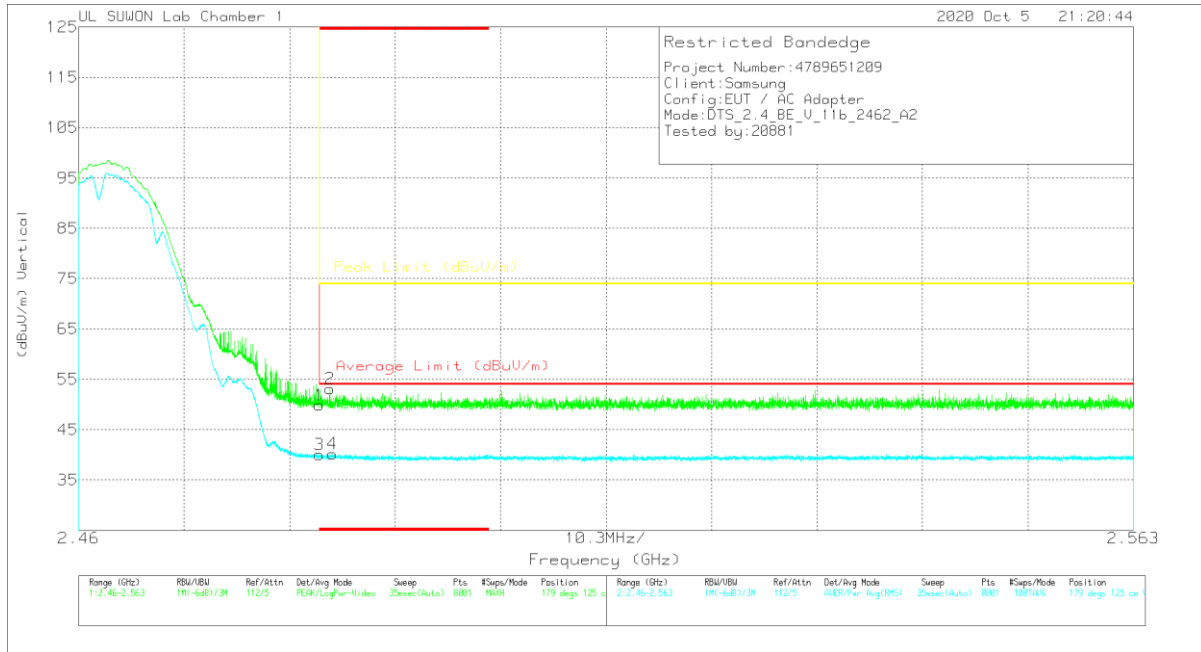


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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	* 2.48351	42.16	PK	32	-25.3	0	48.86	-	-	74	-25.14	137	143	H
2	* 2.49646	46.02	PK	32	-25.2	0	52.82	-	-	74	-21.18	137	143	H
3	* 2.48351	32.86	RMS	32	-25.3	0	39.56	54	-14.44	-	-	137	143	H
4	2.50023	33.15	RMS	32	-25	0	40.15	54	-13.85	-	-	137	143	H

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

VERTICAL RESULT



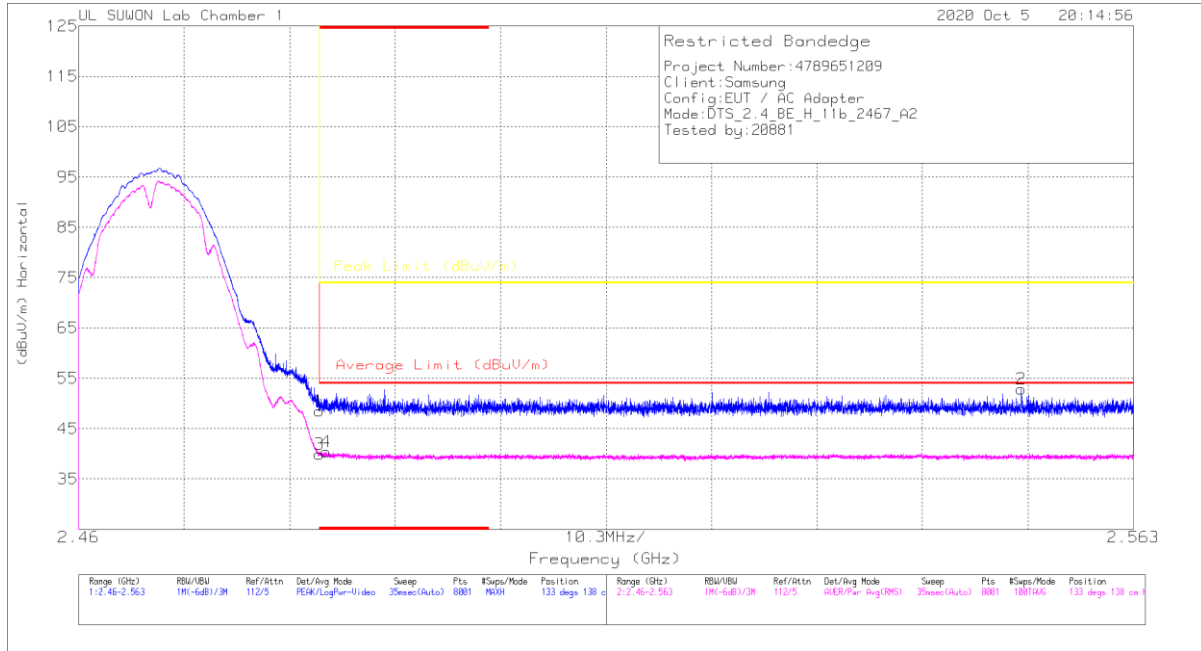
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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	43.23	Pk	32	-25.3	0	49.93	-	-	74	-24.07	179	125	V
2	* 2.48455	46.37	Pk	32	-25.2	0	53.17	-	-	74	-20.83	179	125	V
3	* 2.48351	33.31	RMS	32	-25.3	0	40.01	54	-13.99	-	-	179	125	V
4	* 2.48476	33.42	RMS	32	-25.2	0	40.22	54	-13.78	-	-	179	125	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

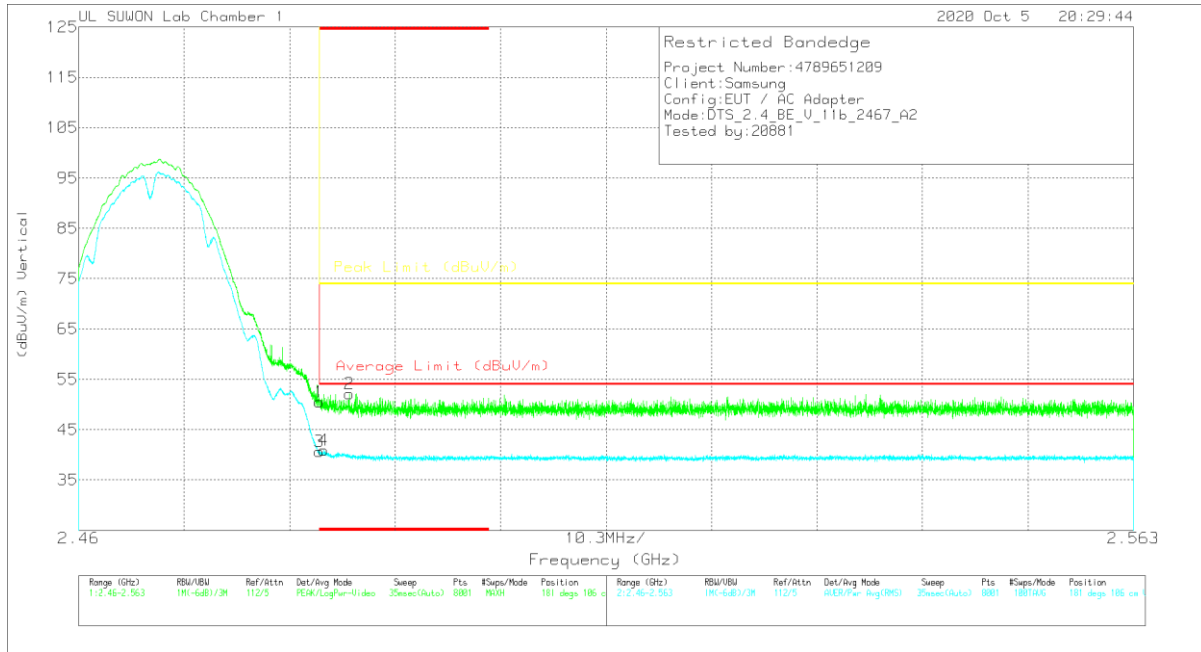
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.81	Pk	32	-25.3	0	48.51	-	-	74	-25.49	133	138	H
2	2.55204	45.93	Pk	32.1	-25.1	0	52.93	-	-	74	-21.07	133	138	H
3	* 2.48351	33.25	RMS	32	-25.3	0	39.95	54	-14.05	-	-	133	138	H
4	* 2.48414	33.76	RMS	32	-25.3	0	40.46	54	-13.54	-	-	133	138	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



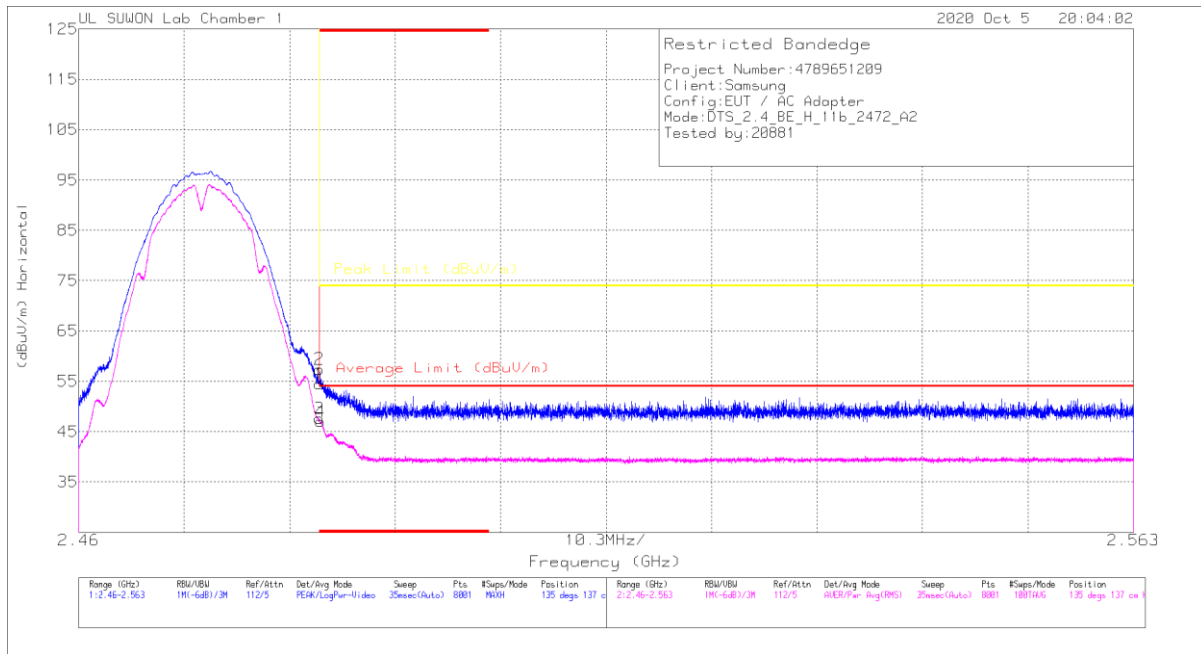
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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	43.85	Pk	32	-25.3	0	50.55	-	-	74	-23.45	181	106	V
2	* 2.48645	45.46	Pk	32	-25.3	0	52.16	-	-	74	-21.84	181	106	V
3	* 2.48351	33.98	RMS	32	-25.3	0	40.68	54	-13.32	-	-	181	106	V
4	* 2.48393	34.16	RMS	32	-25.3	0	40.86	54	-13.14	-	-	181	106	V

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

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

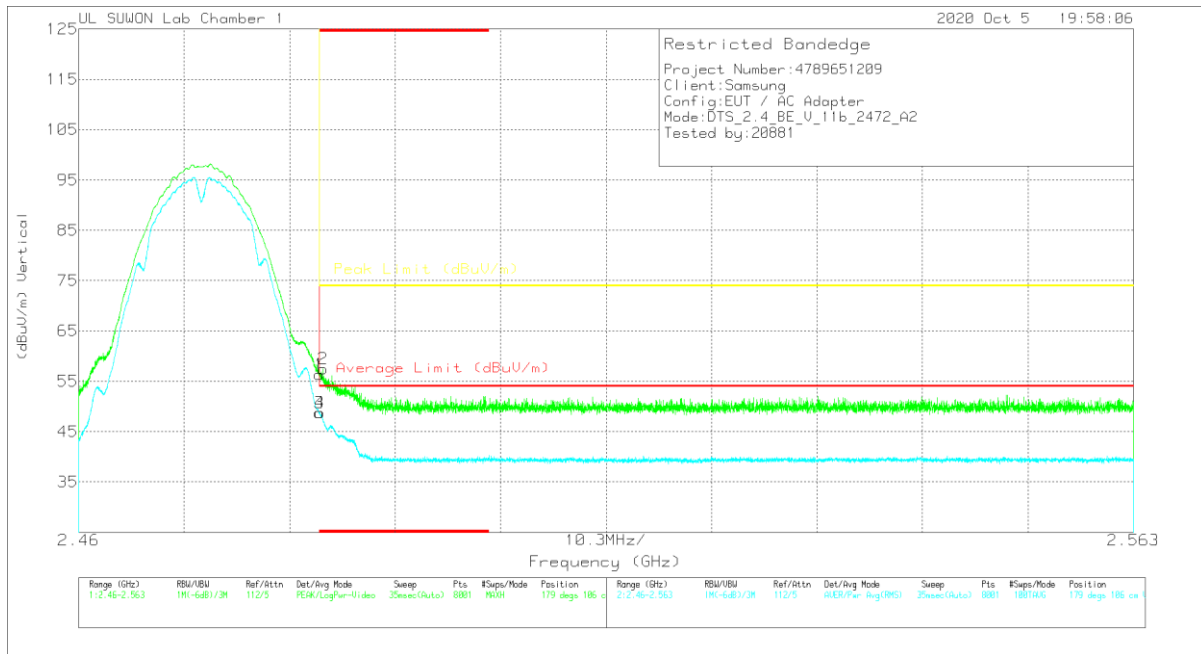


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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	47.74	Pk	32	-25.3	0	54.44	-	-	74	-19.56	135	137	H
2	* 2.48352	50.72	Pk	32	-25.3	0	57.42	-	-	74	-16.58	135	137	H
3	* 2.48351	40.93	RMS	32	-25.3	0	47.63	54	-6.37	-	-	135	137	H
4	* 2.48363	40.27	RMS	32	-25.3	0	46.97	54	-7.03	-	-	135	137	H

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

VERTICAL RESULT

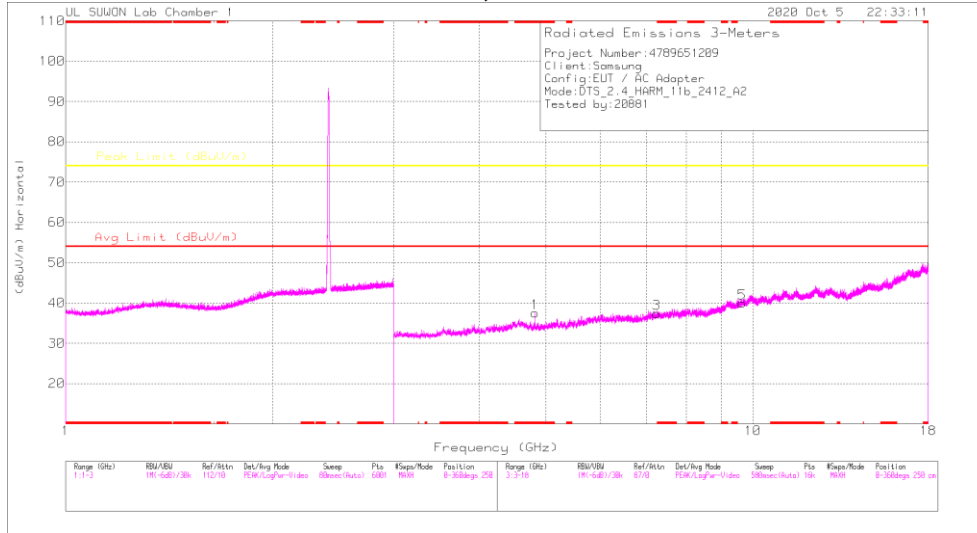


Trace Markers

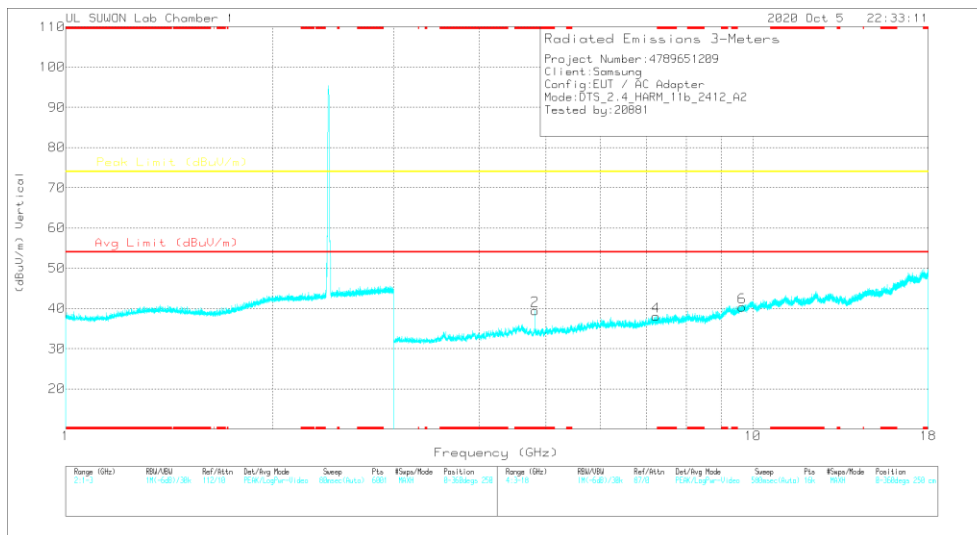
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.68	Pk	32	-25.3	0	56.38	-	-	74	-17.62	179	106	V
2	* 2.48388	50.75	Pk	32	-25.3	0	57.45	-	-	74	-16.55	179	106	V
3	* 2.48351	42.04	RMS	32	-25.3	0	48.74	54	-5.26	-	-	179	106	V
4	* 2.48355	42.11	RMS	32	-25.3	0	48.81	54	-5.19	-	-	179	106	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

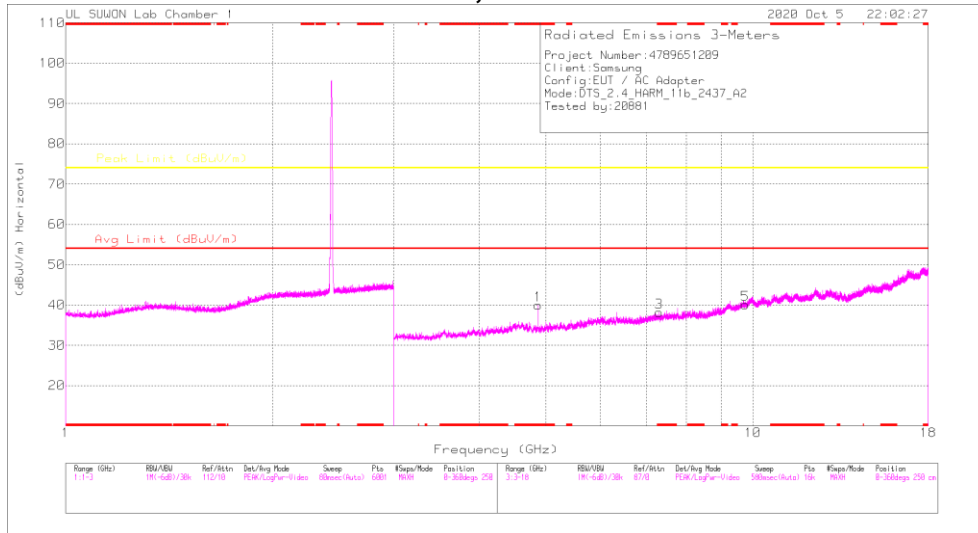
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

RADIATED EMISSIONS

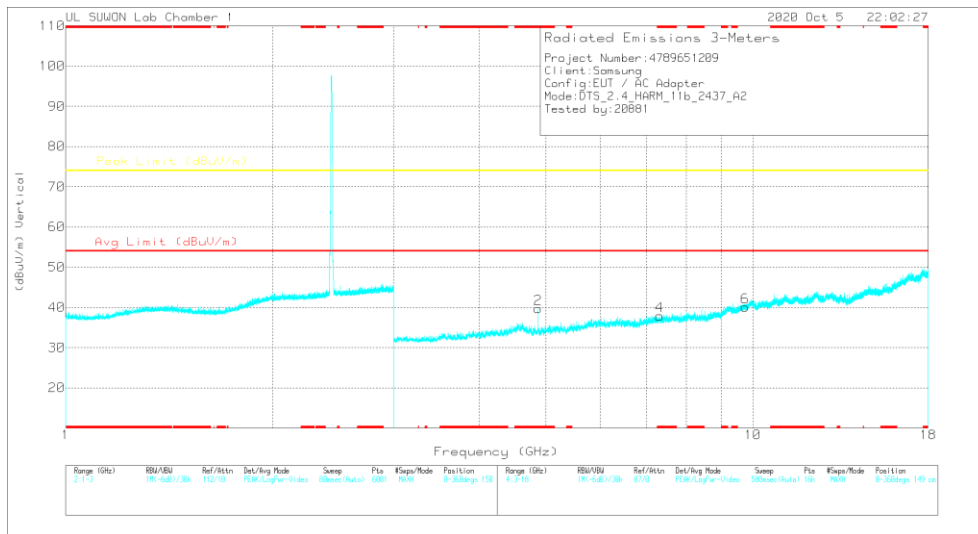
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.8238	43.27	PK2	34.1	-31.3	0	46.07	-	-	74	-27.93	179	100	H
* 4.82398	35.93	MAv1	34.1	-31.3	0	38.73	54	-15.27	-	-	179	100	H
* 4.82394	45.07	PK2	34.1	-31.3	0	47.87	-	-	74	-26.13	169	101	V
* 4.824	39.49	MAv1	34.1	-31.3	0	42.29	54	-11.71	-	-	169	101	V
7.235	38.17	PK2	35.8	-27.6	0	46.37	-	-	74	-27.63	360	100	H
7.2367	38.13	PK2	35.8	-27.6	0	46.33	-	-	74	-27.67	360	100	V
9.64968	35.07	PK2	37.2	-23.1	0	49.17	-	-	74	-24.83	360	100	H
9.64992	34.75	PK2	37.2	-23.1	0	48.85	-	-	74	-25.15	360	100	V

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

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

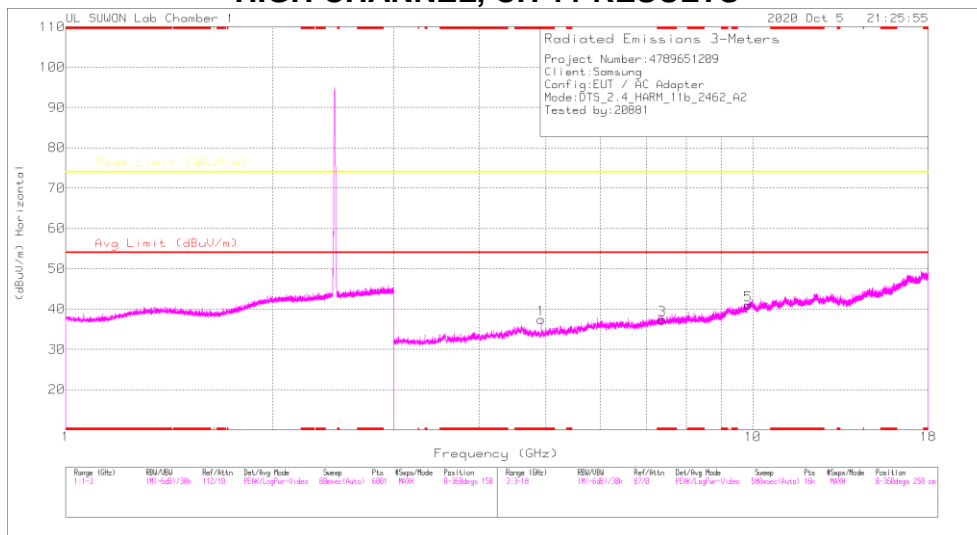
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

RADIATED EMISSIONS

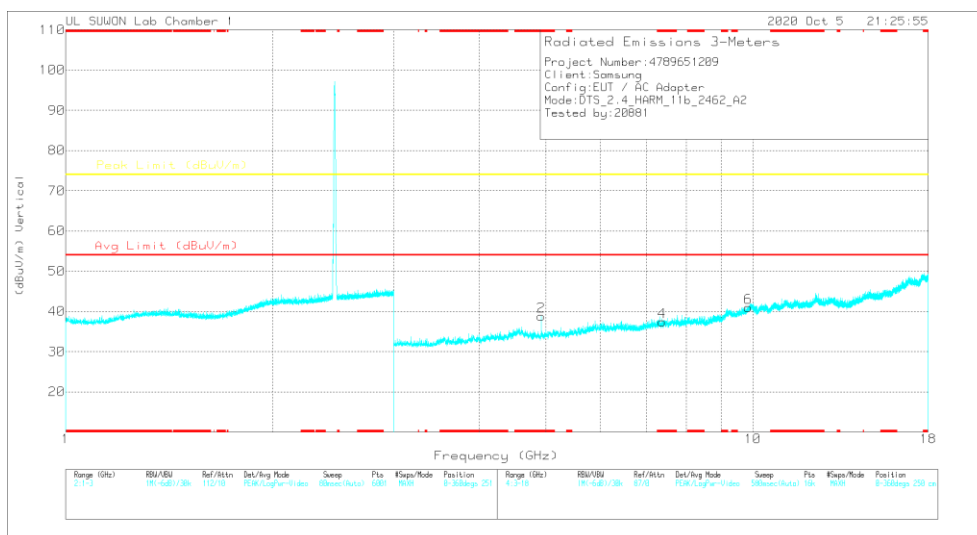
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87412	44.65	PK2	34.1	-31.3	0	47.45	-	-	74	-26.55	107	113	H
* 4.87402	38.59	MAV1	34.1	-31.3	0	41.39	54	-12.61	-	-	107	113	H
* 4.87408	41.96	PK2	34.1	-31.3	0	44.76	-	-	74	-29.24	96	103	V
* 4.874	33.42	MAV1	34.1	-31.3	0	36.22	54	-17.78	-	-	96	103	V
* 7.31101	38.36	PK2	35.8	-27.4	0	46.76	-	-	74	-27.24	0	100	H
* 7.31152	38.64	PK2	35.8	-27.4	0	47.04	-	-	74	-26.96	0	100	V
9.74869	35.4	PK2	37.4	-23.7	0	49.1	-	-	74	-24.9	0	100	H
9.74634	35.38	PK2	37.4	-23.7	0	49.08	-	-	74	-24.92	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_0016871 7	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	42.41	PK2	34.1	-31.5	0	45.01	-	-	74	-28.99	159	101	H
* 4.92399	34.68	MAv1	34.1	-31.4	0	37.38	54	-16.62	-	-	159	101	H
* 4.92409	44.16	PK2	34.1	-31.5	0	46.76	-	-	74	-27.24	167	103	V
* 4.92403	37.45	MAv1	34.1	-31.5	0	40.05	54	-13.95	-	-	167	103	V
* 7.38485	37.63	PK2	35.8	-27	0	46.43	-	-	74	-27.57	0	100	H
* 7.38492	37.89	PK2	35.8	-27	0	46.69	-	-	74	-27.31	0	100	V
9.84607	34.84	PK2	37.6	-23	0	49.44	-	-	74	-24.56	0	100	H
9.84946	34.91	PK2	37.6	-23	0	49.51	-	-	74	-24.49	0	100	V

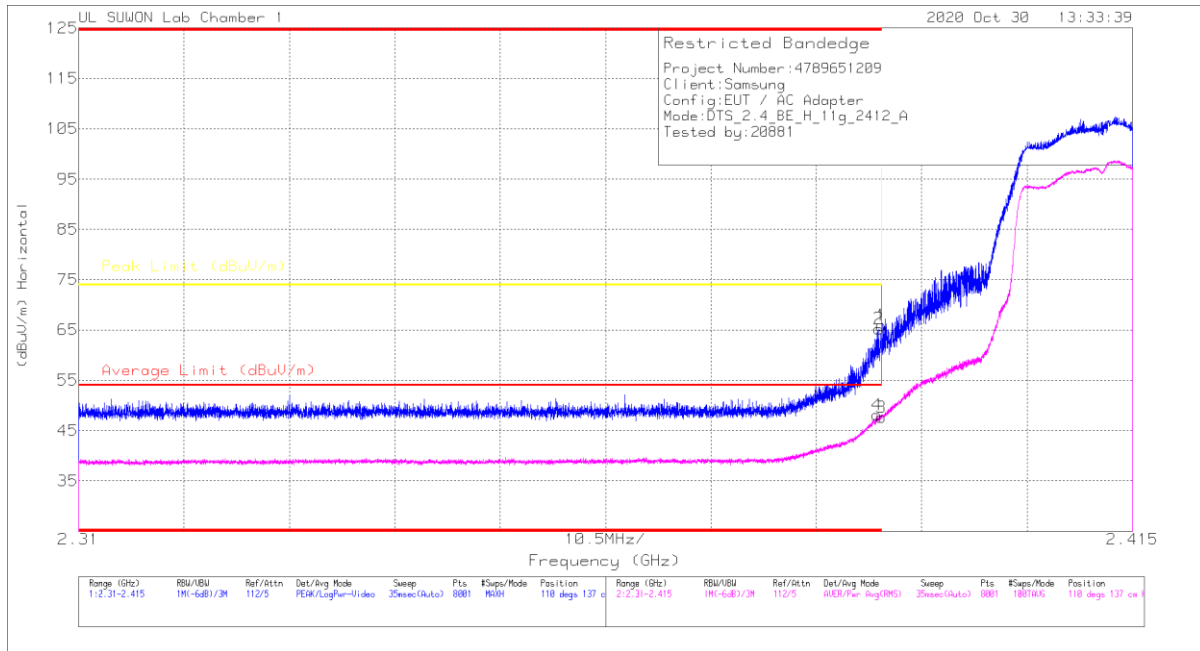
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

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

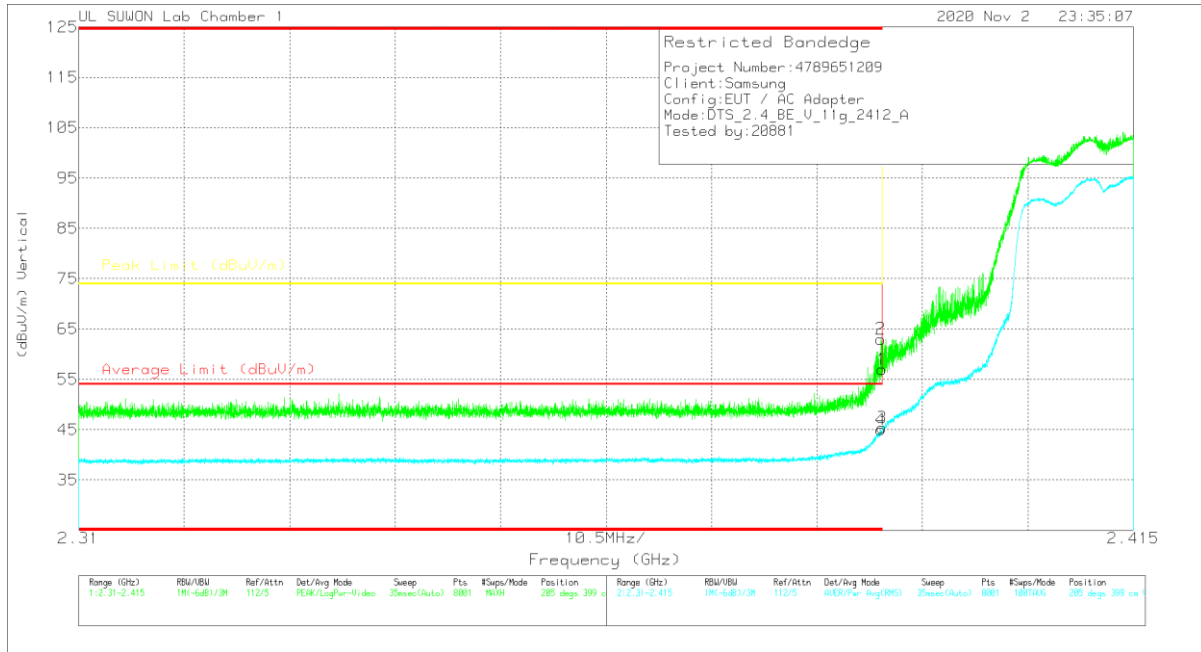


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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	59.7	Pk	31.8	-25.6	0	65.9	-	-	74	-8.1	110	137	H
2	* 2.38973	59.07	Pk	31.8	-25.6	0	65.27	-	-	74	-8.73	110	137	H
3	* 2.39	41.25	RMS	31.8	-25.6	.15	47.6	54	-6.4	-	-	110	137	H
4	* 2.38956	41.69	RMS	31.8	-25.5	.15	48.14	54	-5.86	-	-	110	137	H

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

VERTICAL RESULT



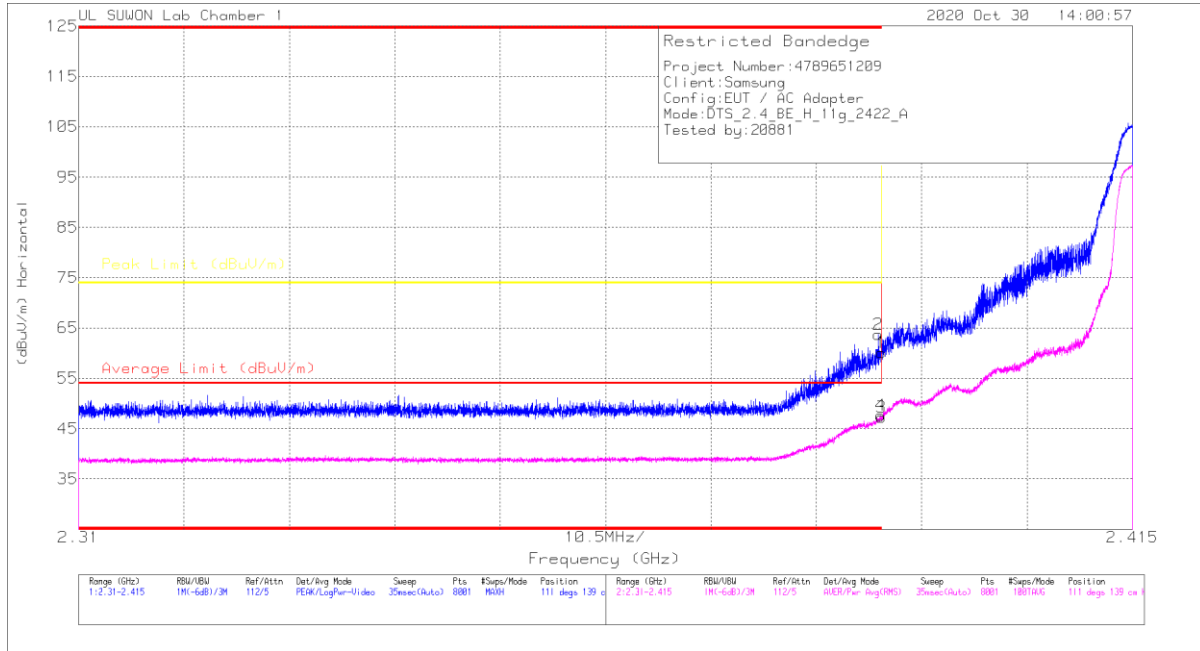
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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	50.79	Pk	31.8	-25.6	0	56.59	-	-	74	-17.01	205	399	V
2	* 2.38983	56.83	Pk	31.8	-25.6	0	63.03	-	-	74	-10.97	205	399	V
3	* 2.39	39.1	RMS	31.8	-25.6	.15	45.45	54	-8.55	-	-	205	399	V
4	* 2.38987	38.64	RMS	31.8	-25.6	.15	44.99	54	-9.01	-	-	205	399	V

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

BANDEDGE (LOW CHANNEL, CH 3)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	53.86	Pk	31.8	-25.6	0	60.06	-	-	74	-13.94	111	139	H
2	* 2.3897	57.5	Pk	31.8	-25.6	0	63.7	-	-	74	-10.3	111	139	H
3	* 2.39	40.87	RMS	31.8	-25.6	-15	47.22	54	-6.78	-	-	111	139	H
4	* 2.38993	41.32	RMS	31.8	-25.6	-15	47.67	54	-6.33	-	-	111	139	H

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

Pk - Peak detector

RMS - RMS detection