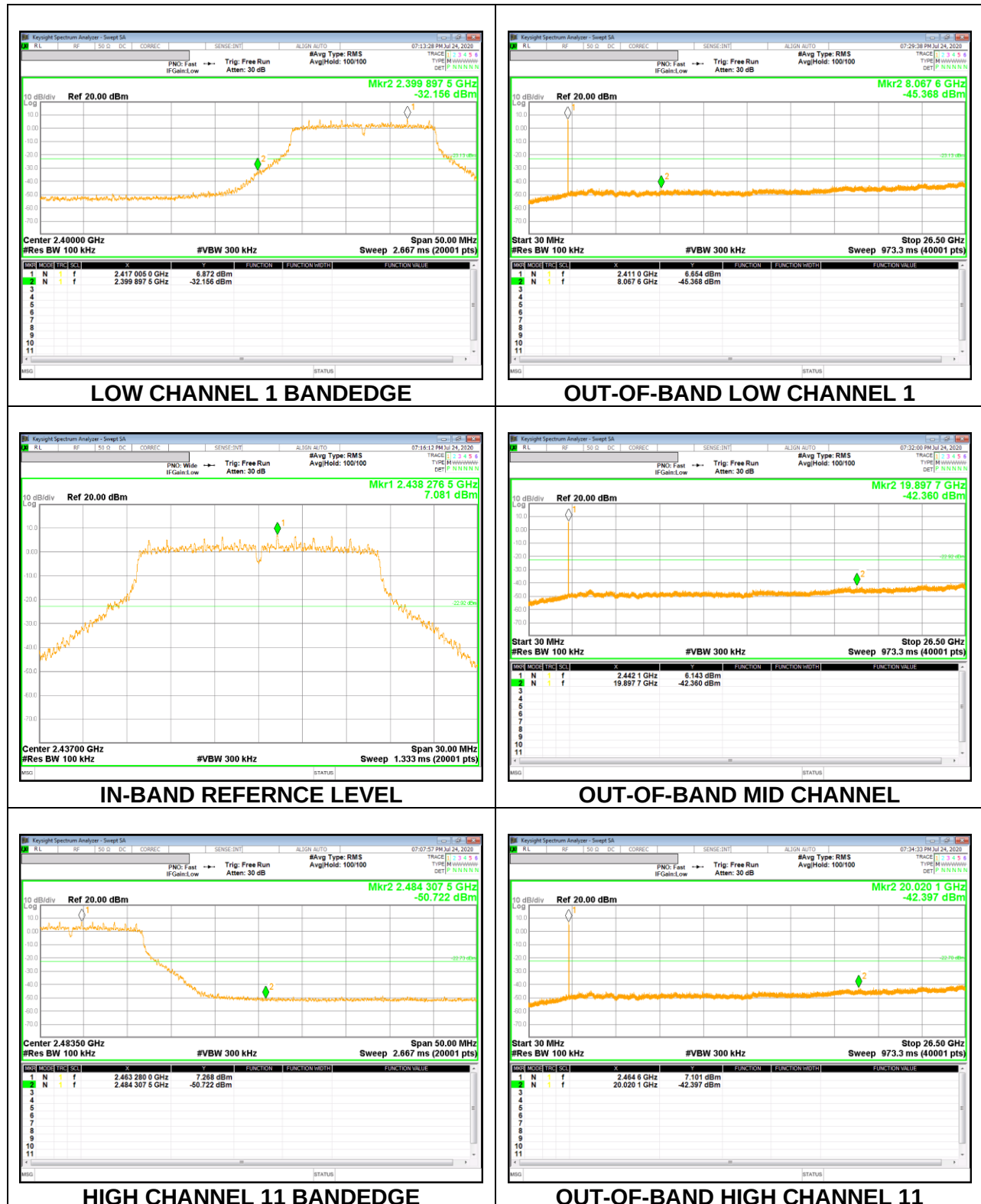
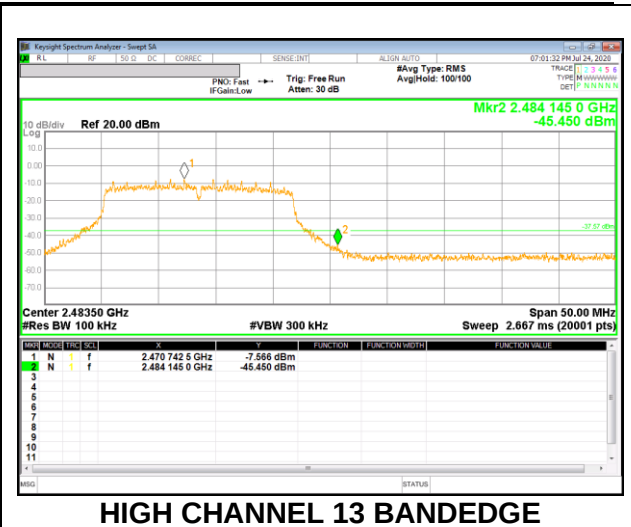
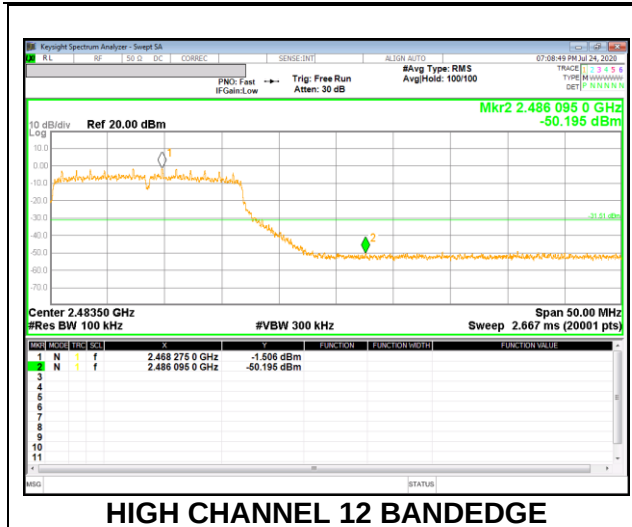


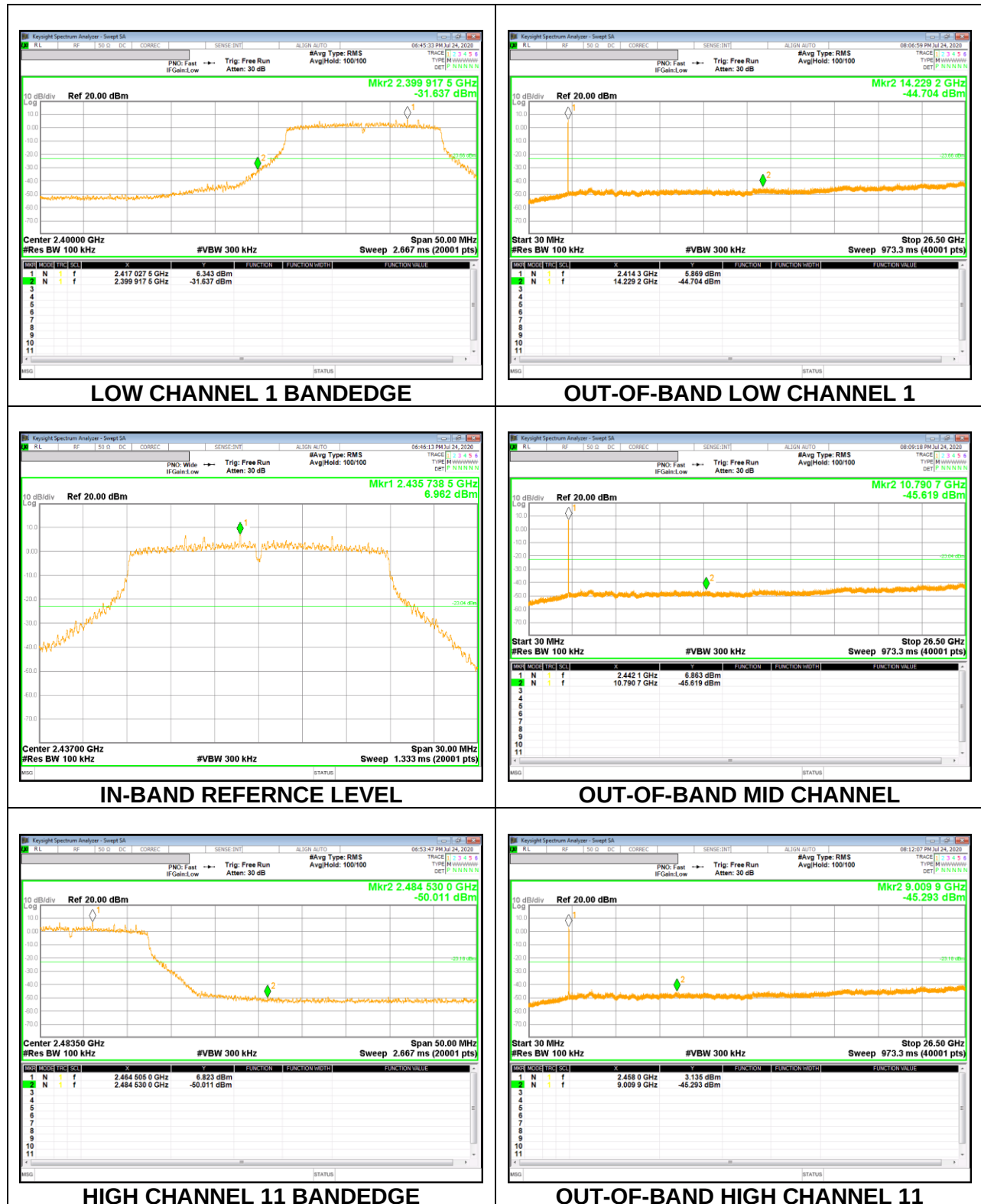
1TX Antenna 2 MODE

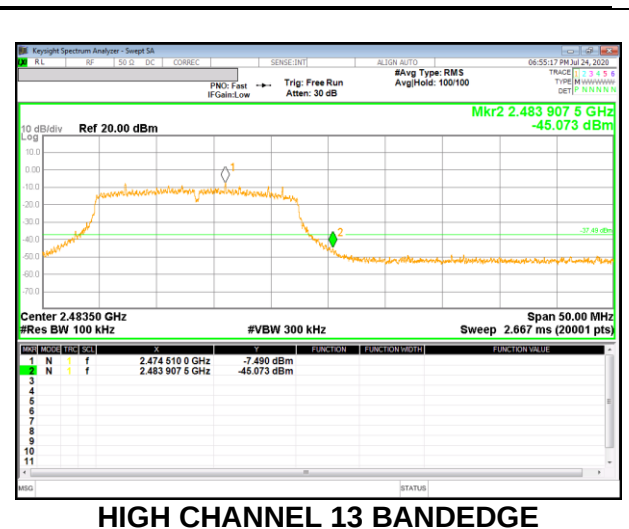
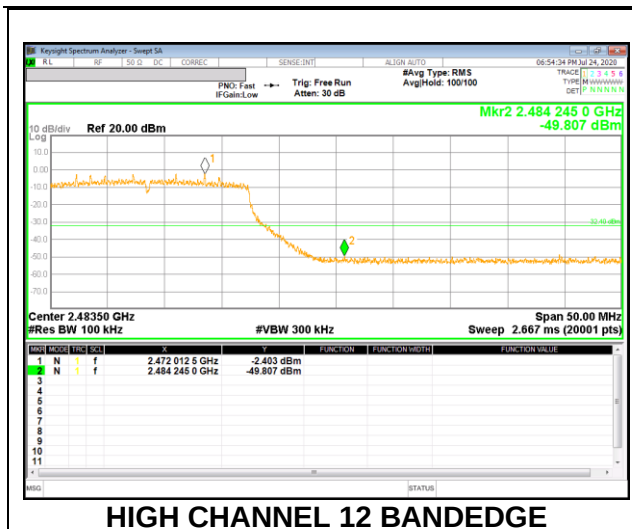




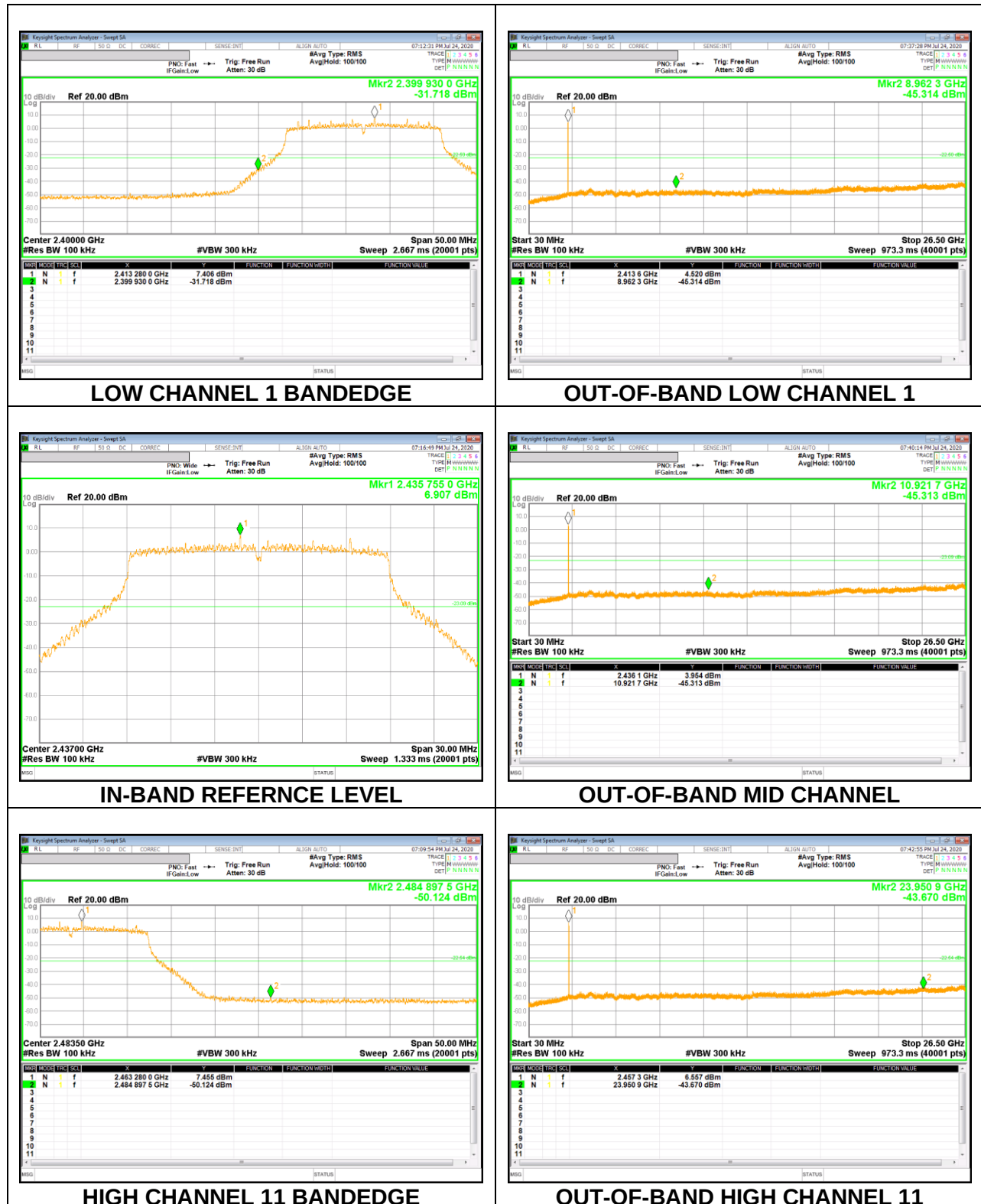
9.5.3. 802.11n HT20 MODE

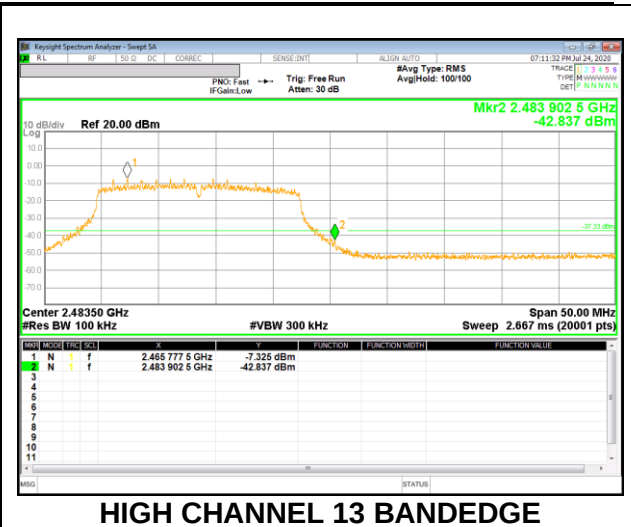
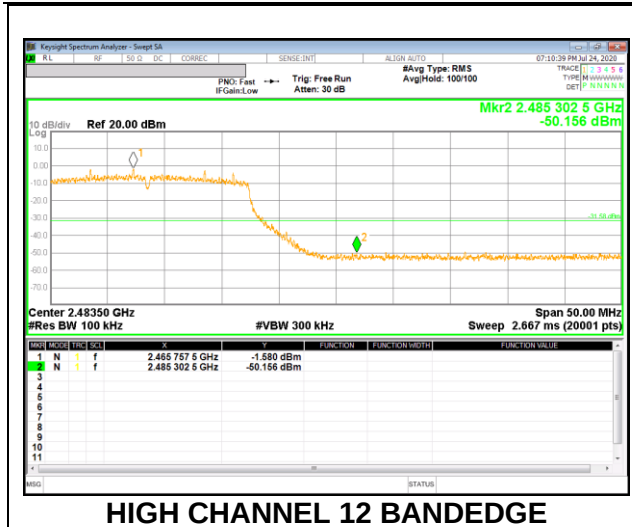
1TX Antenna 1 MODE





1TX 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 mode = 0dB (duty cycle >98%); 802.11g mode = 0dB (duty cycle >98%); 802.11n(HT20) 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 area 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.

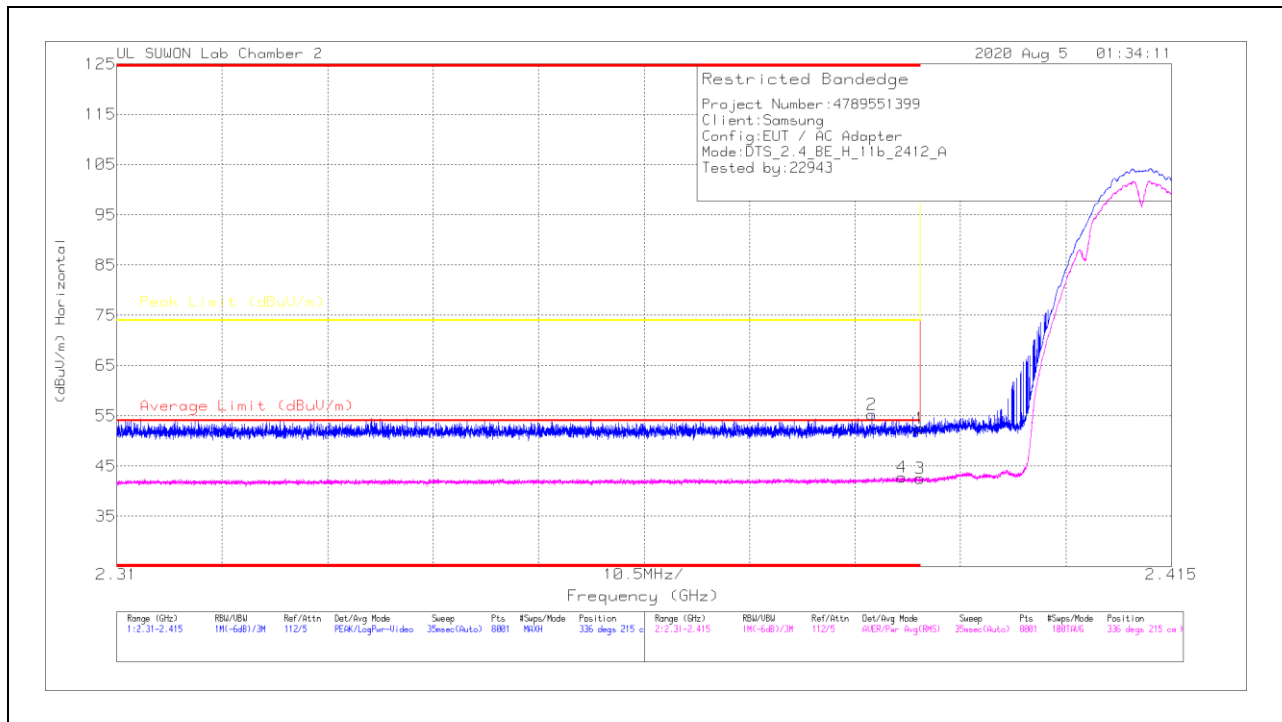
10.1. TRANSMITTER ABOVE 1 GHz

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

2TX Antenna 1 + Antenna 2 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

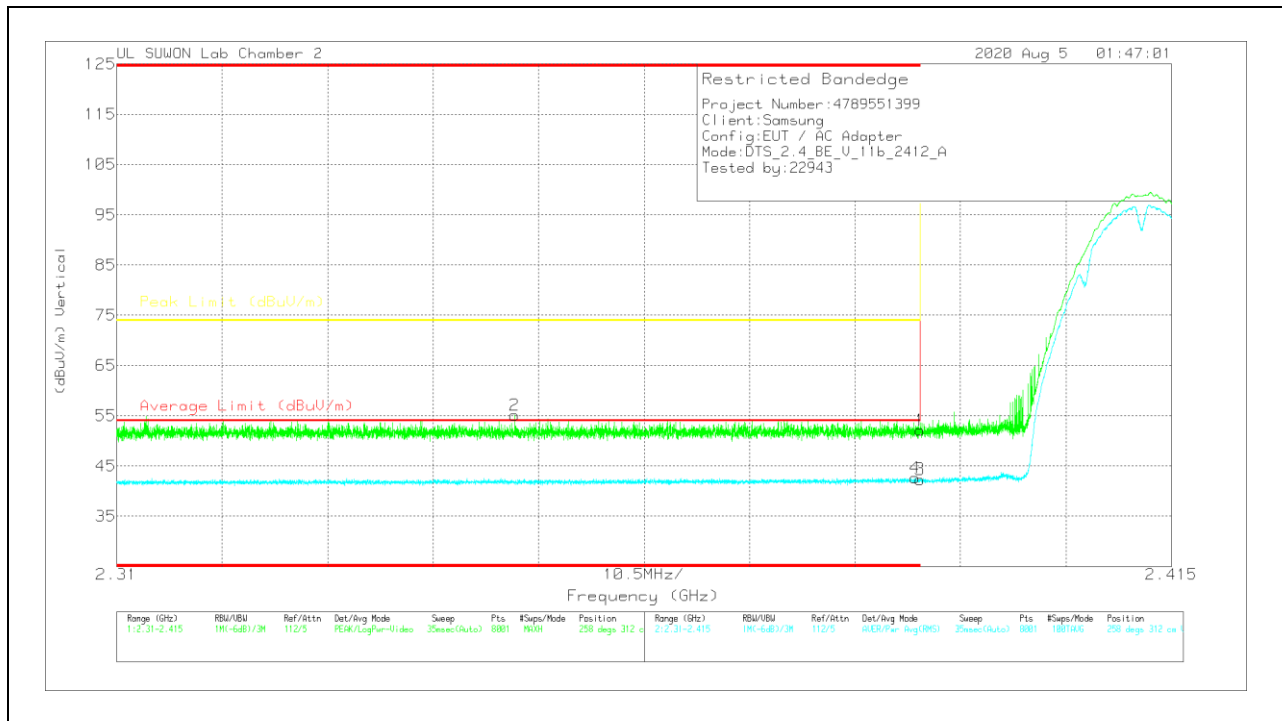
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	41.17	PK	31.9	-20.6	0	52.47	-	-	74	-21.53	336	215	H
2	* 2.38517	43.96	PK	31.9	-20.6	0	55.26	-	-	74	-18.74	336	215	H
3	* 2.39	31.23	RMS	31.9	-20.6	0	42.53	54	-11.47	-	-	336	215	H
4	* 2.38815	31.5	RMS	31.9	-20.6	0	42.8	54	-11.2	-	-	336	215	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)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.88	Pk	31.9	-20.6	0	52.18	-	-	74	-21.82	258	312	V
2	* 2.3496	44.02	Pk	31.8	-20.7	0	55.12	-	-	74	-18.88	258	312	V
3	* 2.39	31.04	RMS	31.9	-20.6	0	42.34	54	-11.66	-	-	258	312	V
4	* 2.38947	31.32	RMS	31.9	-20.6	0	42.62	54	-11.38	-	-	258	312	V

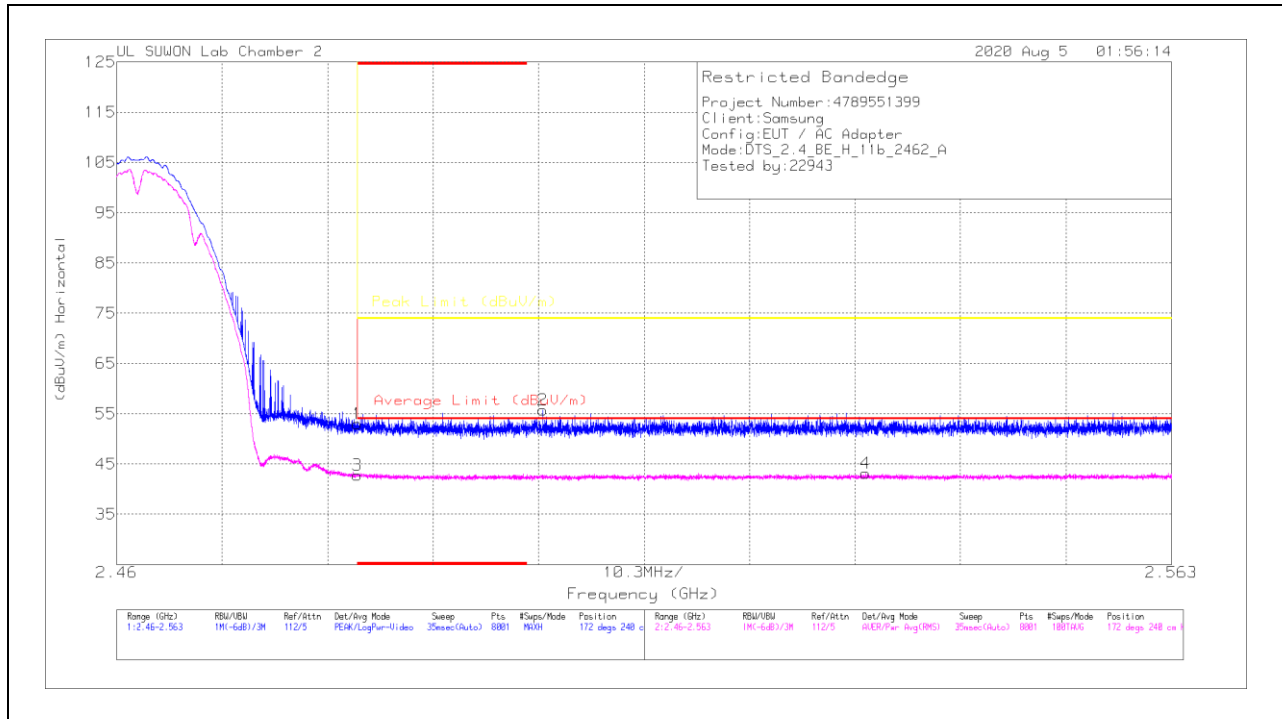
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Trace Markers

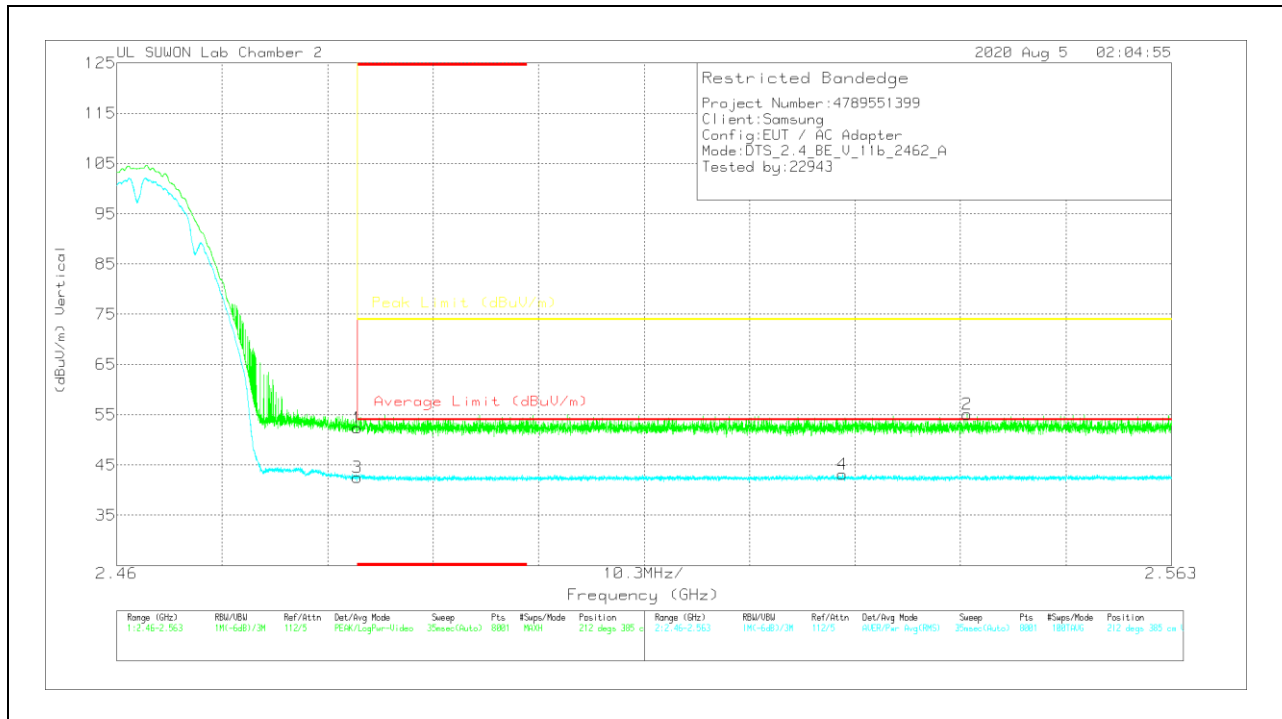
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.4	PK	32	-20.4	0	53	-	-	74	-21	172	240	H
2	2.5016	44.01	PK	32.1	-20.4	0	55.71	-	-	74	-18.29	172	240	H
3	* 2.48351	31.18	RMS	32	-20.4	0	42.78	54	-11.22	-	-	172	240	H
4	2.53316	31.48	RMS	32.1	-20.4	0	43.18	54	-10.82	-	-	172	240	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



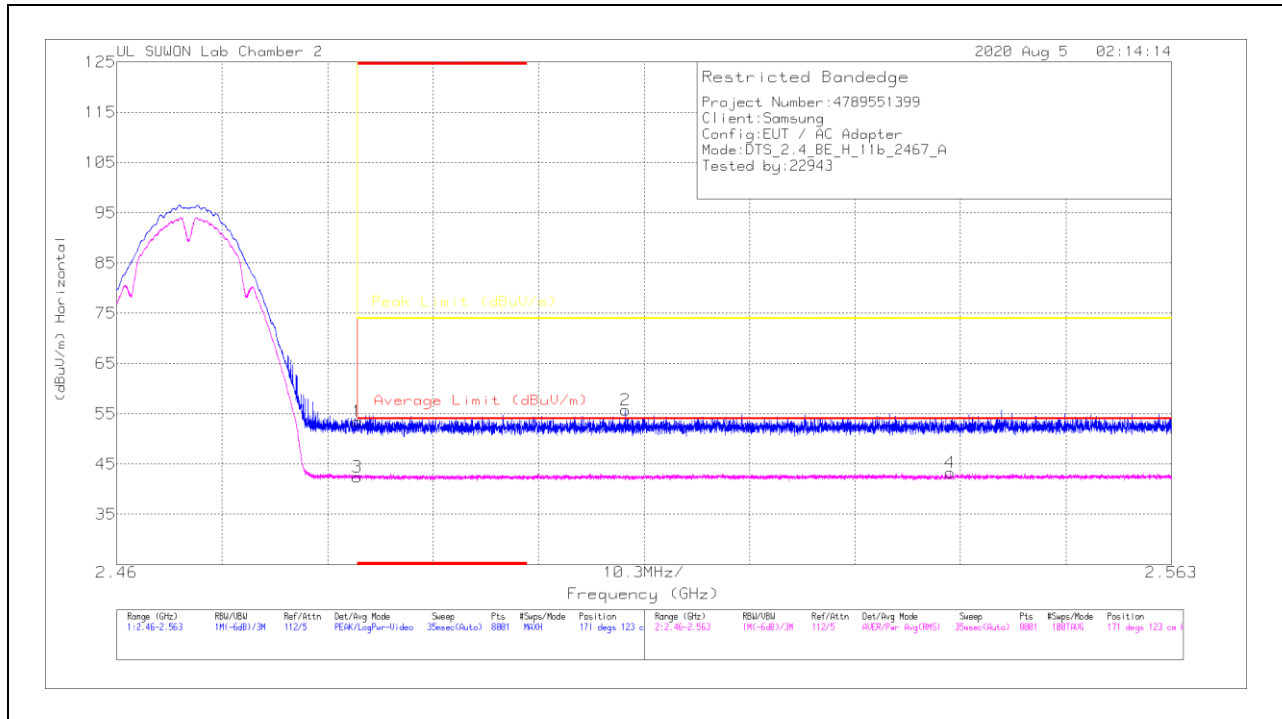
Trace Markers

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 (deg)	Height (m)	Polarity
1	* 2.46351	40.76	PK	32	-20.4	0	52.36	-	-	74	-21.64	212	385	V
2	2.54306	43.45	PK	32.1	-20.4	0	55.15	-	-	74	-18.85	212	385	V
3	* 2.46351	30.9	RMS	32	-20.4	0	42.5	54	-11.5	-	-	212	385	V
4	2.53089	31.43	RMS	32.1	-20.4	0	43.13	54	-10.87	-	-	212	385	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

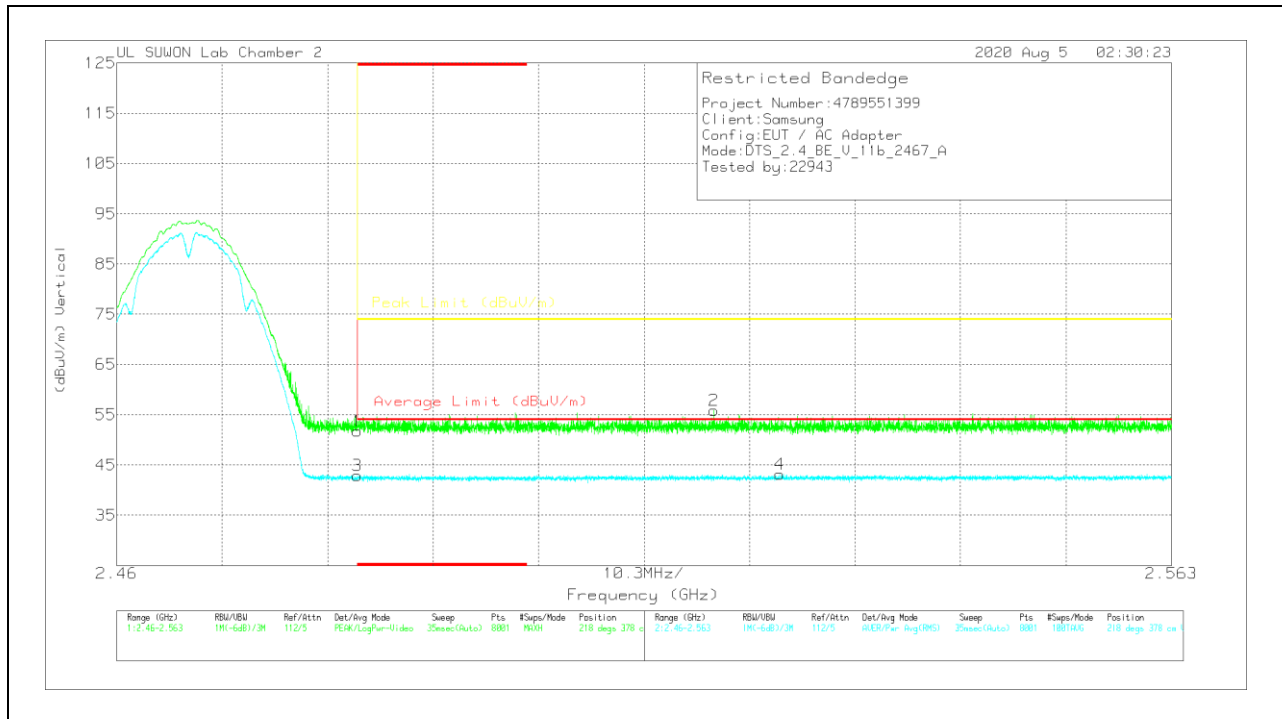
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.89	PK	32	-20.4	0	53.49	-	-	74	-20.51	171	123	H
2	2.50968	44.13	PK	32.1	-20.5	0	55.73	-	-	74	-18.27	171	123	H
3	* 2.48351	30.84	RMS	32	-20.4	0	42.44	54	-11.56	-	-	171	123	H
4	2.54142	31.63	RMS	32.1	-20.5	0	43.23	54	-10.77	-	-	171	123	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 (ft)	Height (ft)	Polarity
1	* 2.46351	40.19	PK	32	-20.4	0	51.79	-	-	74	-22.21	218	378	V
2	2.51831	44.16	PK	32.1	-20.4	0	55.86	-	-	74	-18.14	218	378	V
3	* 2.46351	31.35	RMS	32	-20.4	0	42.95	54	-11.05	-	-	218	378	V
4	2.52476	31.43	RMS	32.1	-20.4	0	43.13	54	-10.87	-	-	218	378	V

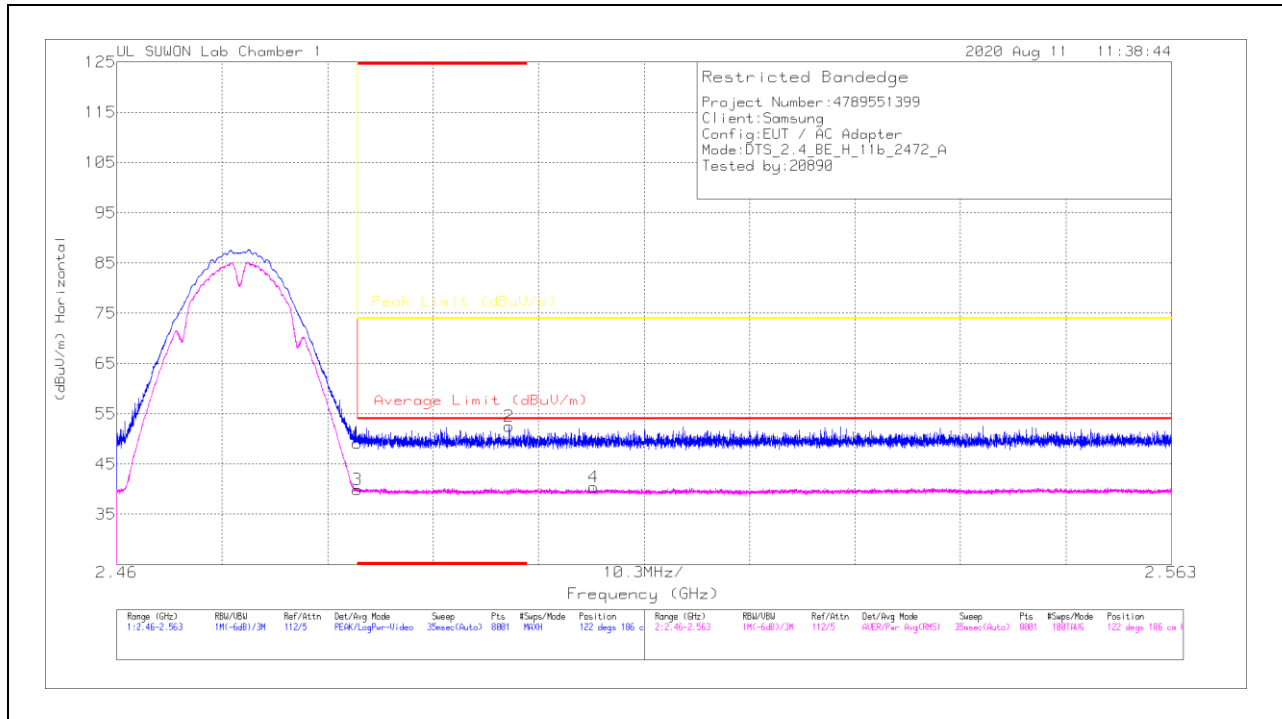
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

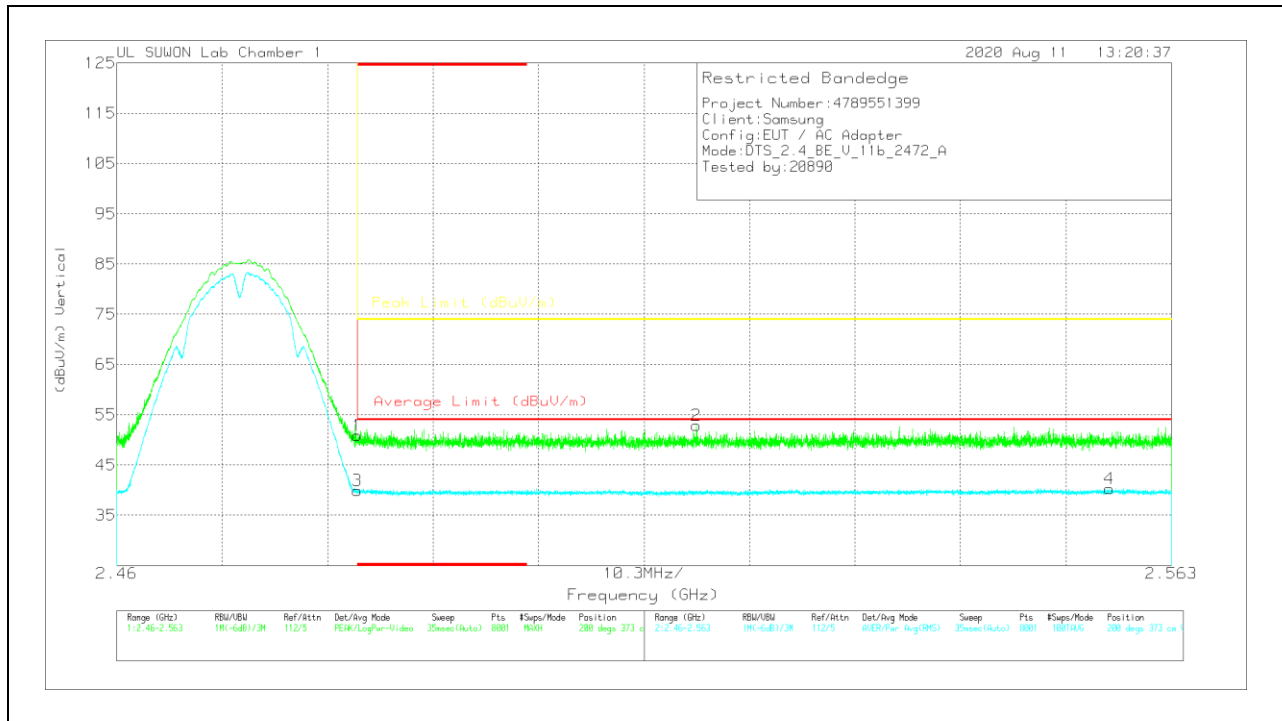


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	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	42.2	PK	32.2	-25.2	0	49.2	-	-	74	-24.8	122	186	H
2	* 2.49829	45.5	PK	32.2	-25.2	0	52.5	-	-	74	-21.5	122	186	H
3	* 2.48351	32.95	RMS	32.2	-25.2	0	39.95	54	-14.05	-	-	122	186	H
4	2.50657	33.4	RMS	32.2	-25.2	0	40.4	54	-13.6	-	-	122	186	H

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

VERTICAL RESULT



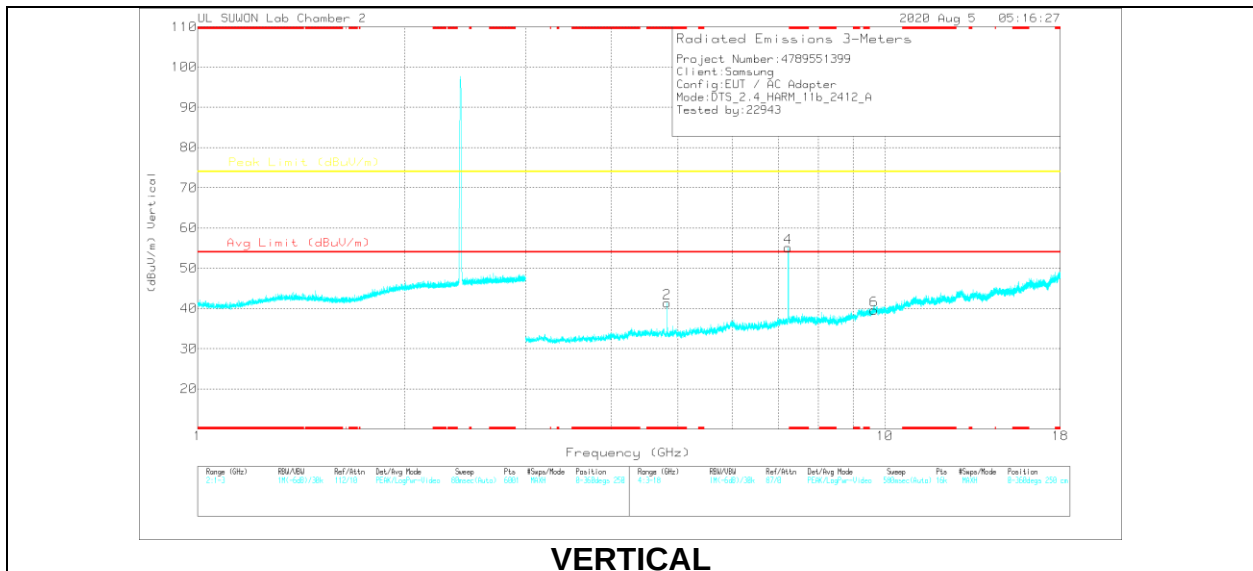
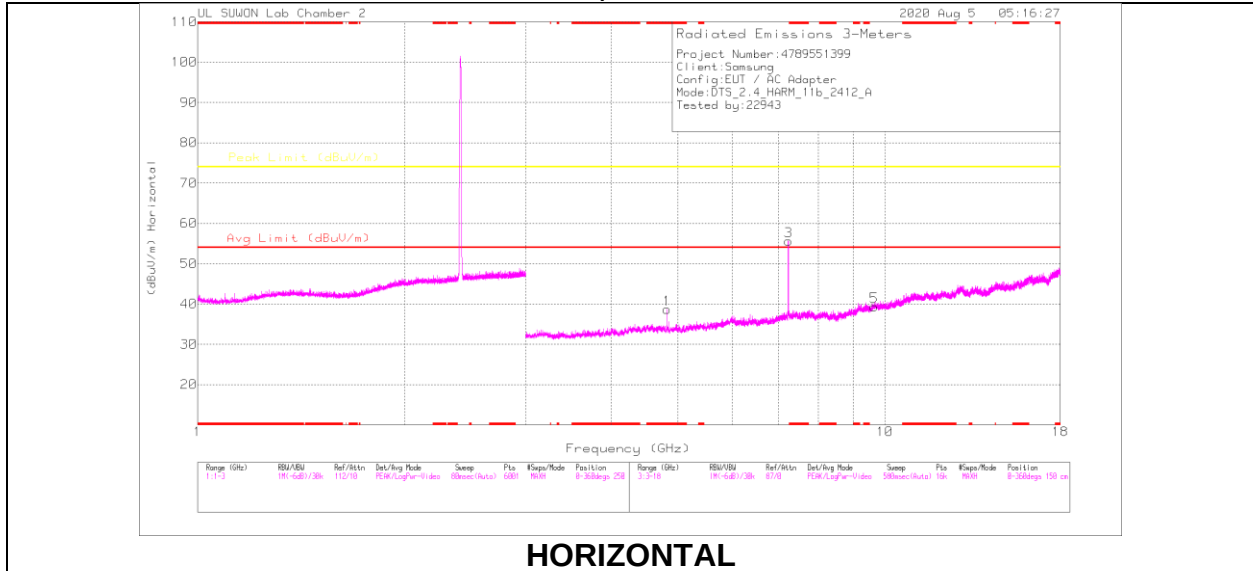
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	10dB_ATT[dB]	DC Cor (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	43.84	PK	32.2	-25.2	0	50.84	-	-	74	-23.16	200	373	V
2	2.5166	45.87	PK	32.2	-25.2	0	52.87	-	-	74	-21.13	200	373	V
3	* 2.48351	32.88	RMS	32.2	-25.2	0	39.88	54	-14.12	-	-	200	373	V
4	2.55696	33	RMS	32.3	-25	0	40.3	54	-13.7	-	-	200	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



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

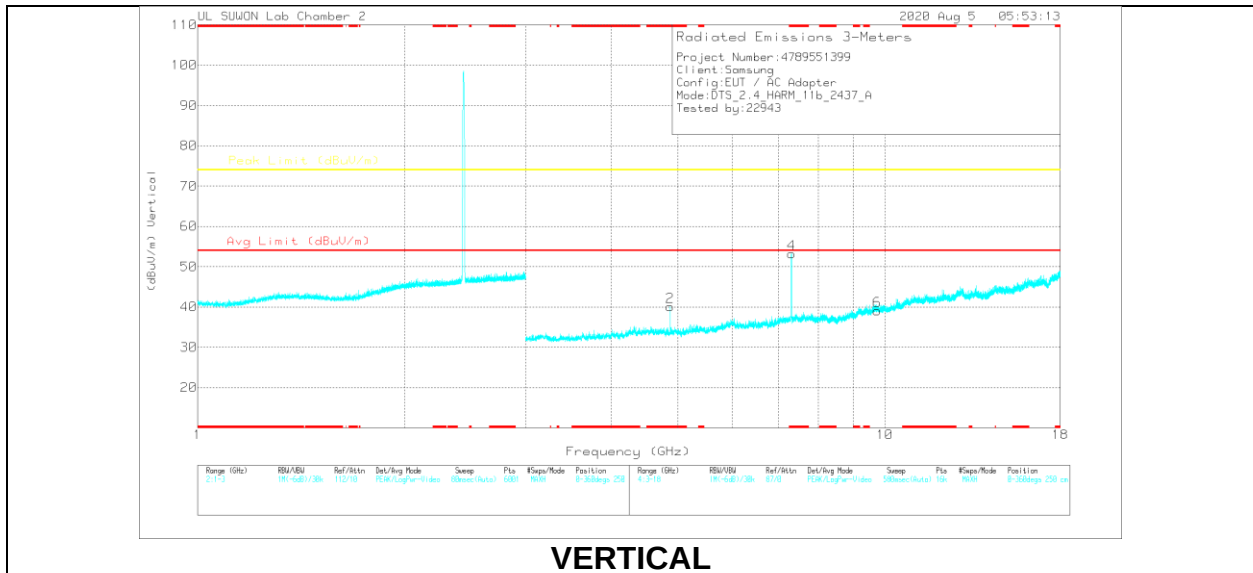
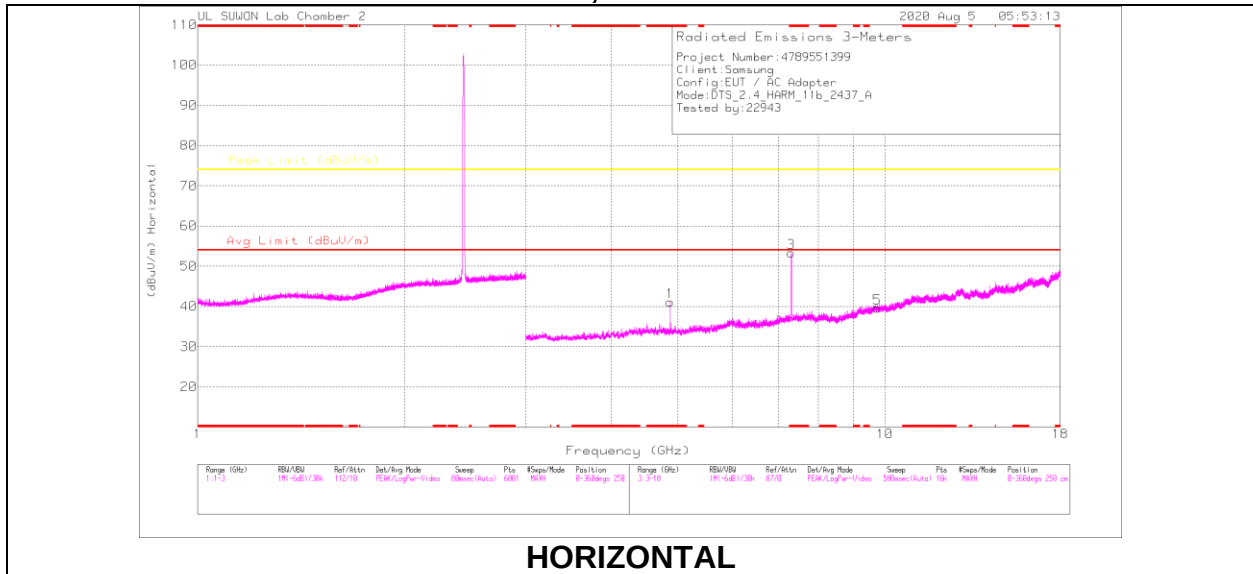
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872 4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82392	39.71	PK2	34.1	-28.1	0	45.71	-	-	74	-28.29	149	100	H
* 4.82402	32.1	MAV1	34.1	-28.1	0	38.1	54	-15.9	-	-	149	100	H
* 4.82412	41.75	PK2	34.1	-28.1	0	47.75	-	-	74	-26.25	189	101	V
* 4.82404	35.91	MAV1	34.1	-28.1	0	41.91	54	-12.09	-	-	189	101	V
7.23696	49.25	PK2	36.2	-25.4	0	60.05	-	-	74	-13.95	206	120	H
7.2369	49.94	PK2	36.2	-25.4	0	60.74	-	-	74	-13.26	202	103	V
9.64877	32.67	PK2	37	-21.4	0	48.27	-	-	74	-25.73	360	100	H
9.65035	33.08	PK2	37	-21.4	0	48.68	-	-	74	-25.32	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



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

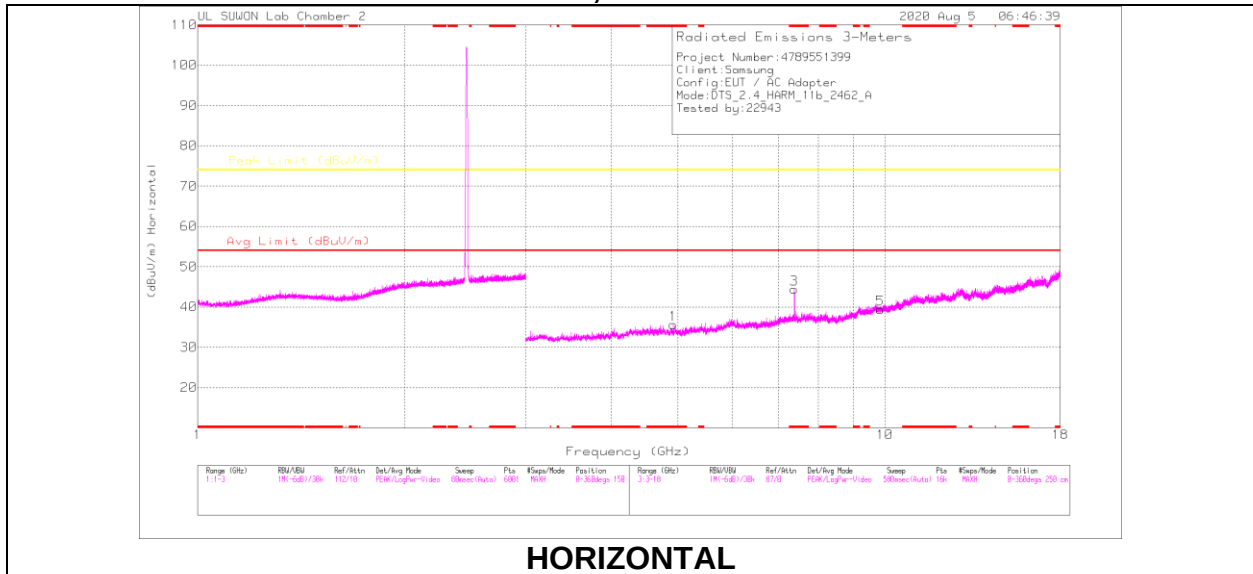
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872 4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.874	40.85	PK2	34.1	-27.9	0	47.05	-	-	74	-26.95	59	100	H
* 4.87404	34.99	MAV1	34.1	-27.9	0	41.19	54	-12.81	-	-	59	100	H
* 4.87408	40.65	PK2	34.1	-27.9	0	46.85	-	-	74	-27.15	244	100	V
* 4.87402	34.88	MAV1	34.1	-27.9	0	41.08	54	-12.92	-	-	244	100	V
* 7.31242	42.32	PK2	36.2	-24.8	0	53.72	-	-	74	-20.28	203	102	H
* 7.312	36.42	MAV1	36.2	-24.8	0	47.82	54	-6.18	-	-	203	102	H
* 7.31014	42.65	PK2	36.2	-24.9	0	53.95	-	-	74	-20.05	203	100	V
* 7.31196	37.32	MAV1	36.2	-24.8	0	48.72	54	-5.28	-	-	203	100	V
9.74624	33.03	PK2	37.2	-21.2	0	49.03	-	-	74	-24.97	360	100	H
9.74757	32.69	PK2	37.2	-21.2	0	48.69	-	-	74	-25.31	360	100	V

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

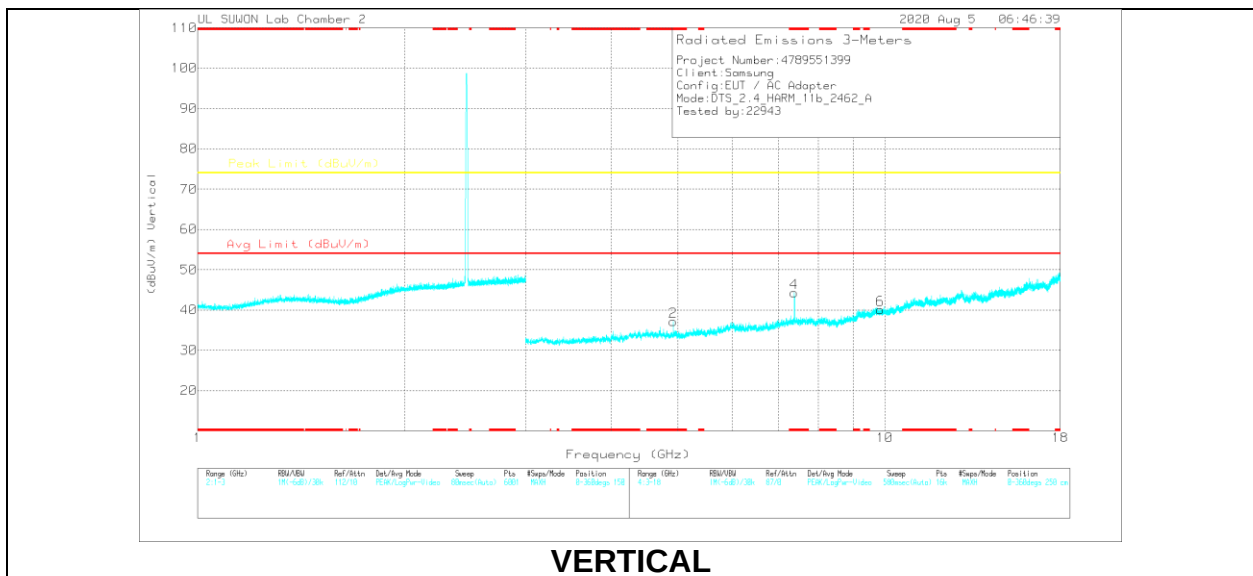
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

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
* 4.92422	37.52	PK2	34.1	-27.2	0	44.42	-	-	74	-29.58	58	100	H
* 4.92404	29.12	MAv1	34.1	-27.2	0	36.02	54	-17.98	-	-	58	100	H
* 4.92418	38.33	PK2	34.1	-27.2	0	45.23	-	-	74	-28.77	320	111	V
* 4.92402	30.47	MAV1	34.1	-27.2	0	37.37	54	-16.63	-	-	320	111	V
* 7.38514	39.13	PK2	36.1	-24.1	0	51.13	-	-	74	-22.87	204	115	H
* 7.38516	32.5	MAV1	36.1	-24.1	0	44.5	54	-9.5	-	-	204	115	H
* 7.38521	40.16	PK2	36.1	-24.1	0	52.16	-	-	74	-21.84	194	100	V
* 7.38522	34.25	MAV1	36.1	-24.1	0	46.25	54	-7.75	-	-	194	100	V
9.8471	32.68	PK2	37.3	-21.6	0	48.38	-	-	74	-25.62	360	100	H
9.84822	33.23	PK2	37.3	-21.6	0	48.93	-	-	74	-25.07	360	100	V

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

PK2 - KDB558074 Method: Maximum Peak

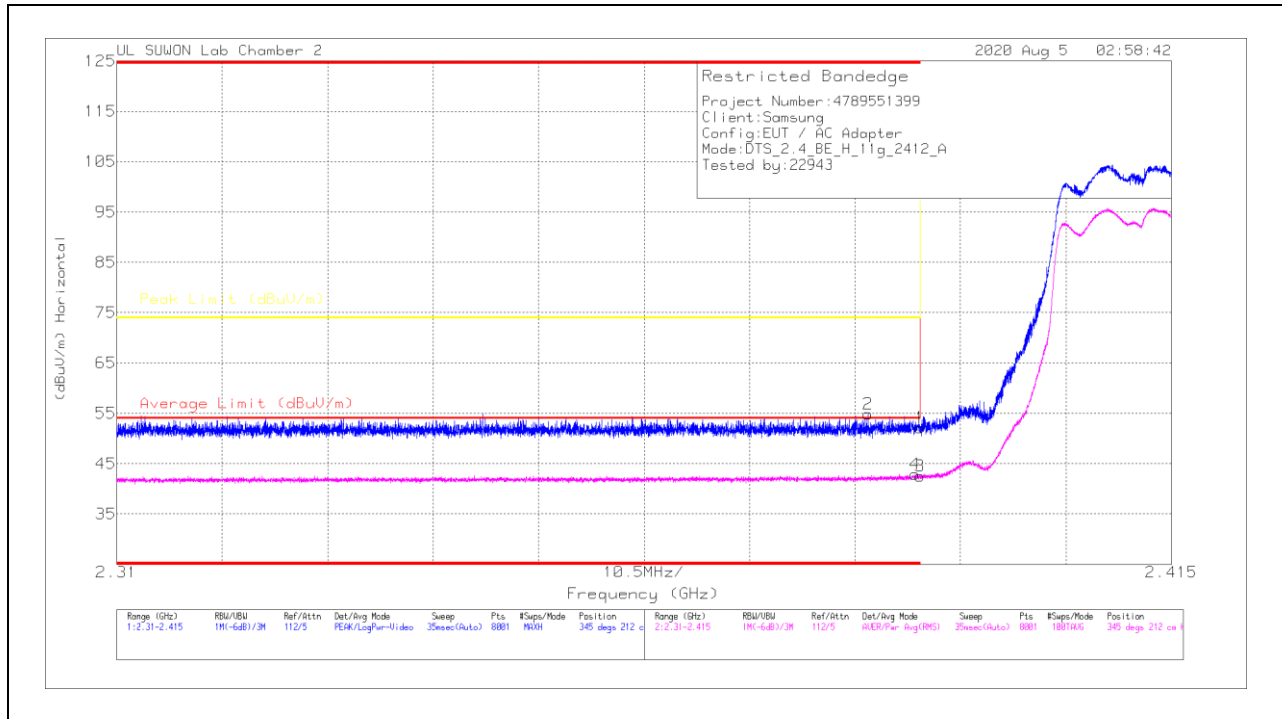
MAV1 - KDB558074 Option 1 Maximum RMS Average

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

2TX Antenna 1 + Antenna 2 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT

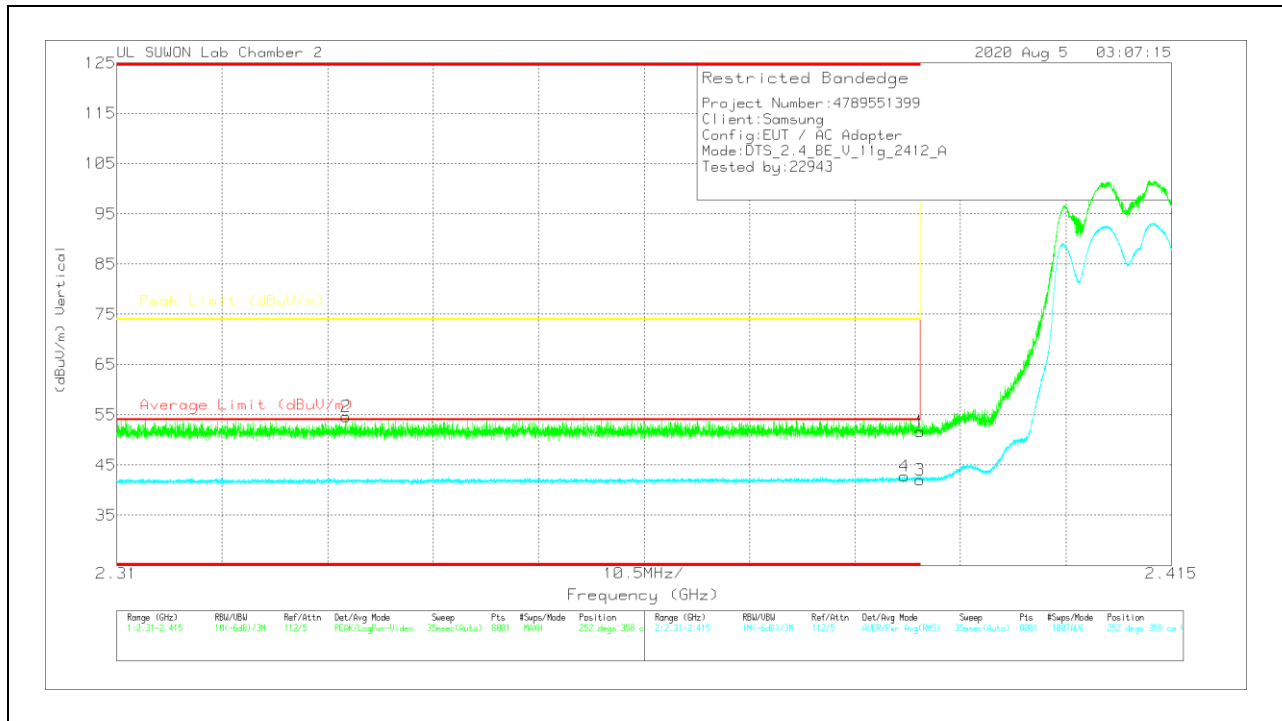


Trace Markers

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	40.61	PK	31.9	-20.6	0	52.11	-	-	74	-21.89	345	212	H
2	* 2.3848	43.55	PK	31.9	-20.6	0	54.85	-	-	74	-19.15	345	212	H
3	* 2.39	31.18	RMS	31.9	-20.6	0	42.48	54	-11.52	-	-	345	212	H
4	* 2.3895	31.64	RMS	31.9	-20.6	0	42.94	54	-11.06	-	-	345	212	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	40.28	PK	31.9	-20.6	0	51.58	-	-	74	-22.42	252	358	V
2	* 2.3328	43.57	PK	31.8	-20.7	0	54.07	-	-	74	-19.33	252	358	V
3	* 2.39	30.78	RMS	31.9	-20.6	0	42.08	54	-11.92	-	-	252	358	V
4	* 2.38844	31.44	RMS	31.9	-20.6	0	42.74	54	-11.26	-	-	252	358	V

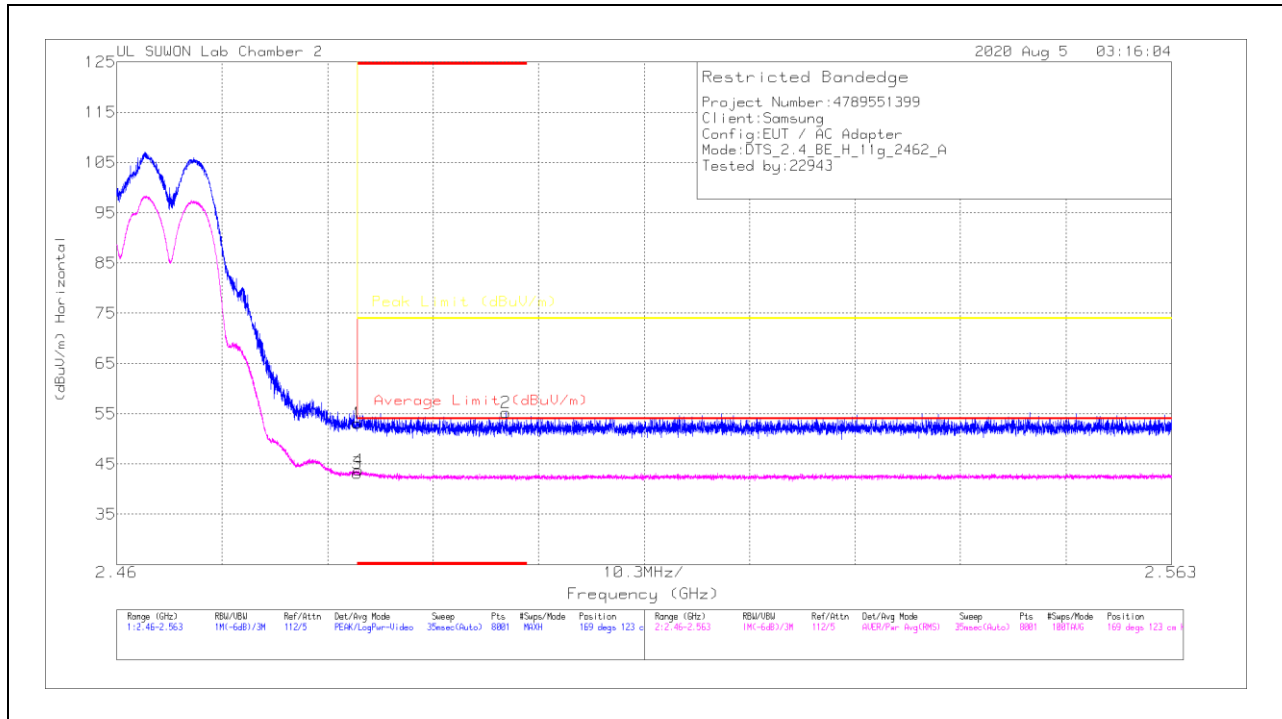
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Trace Markers

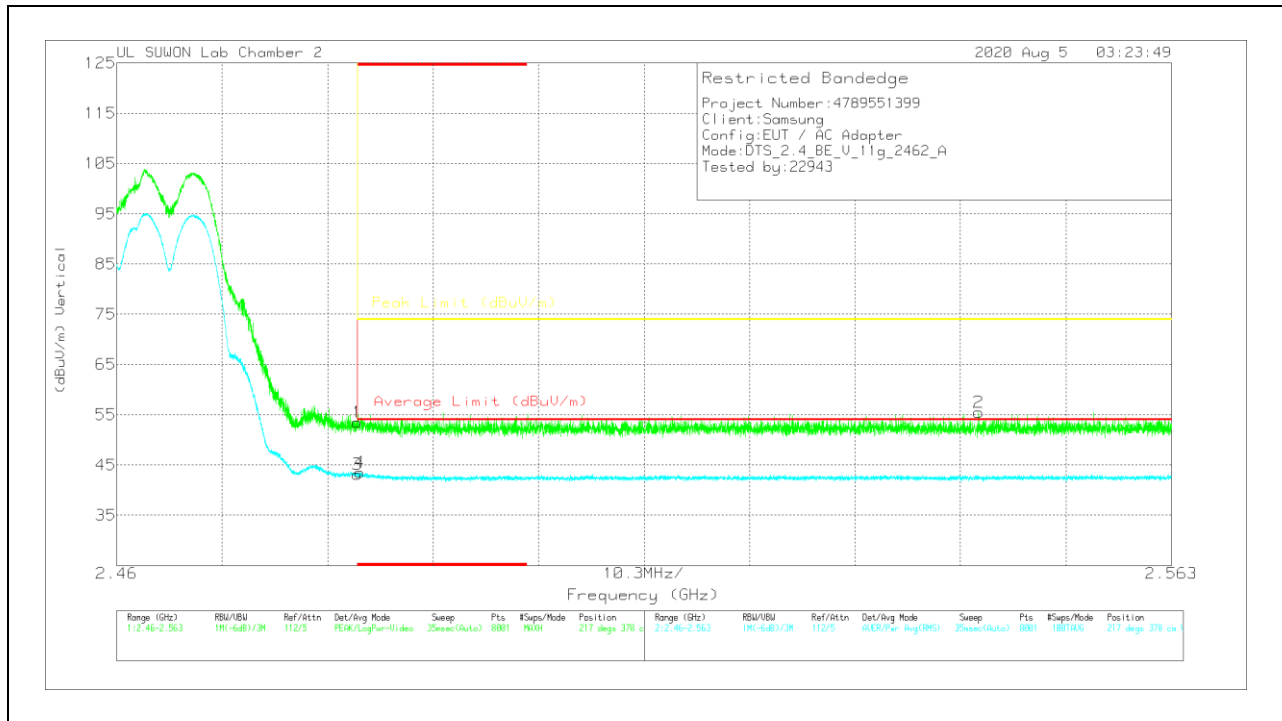
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.48351	41.52	PK	32	-20.4	0	53.12	-	-	74	-20.88	169	123	H
2	* 2.49801	43.69	PK	32.1	-20.5	0	55.29	-	-	74	-18.71	169	123	H
3	* 2.48351	31.56	RMS	32	-20.4	0	43.16	54	-10.84	-	-	169	123	H
4	* 2.48363	32.15	RMS	32	-20.4	0	43.75	54	-10.25	-	-	169	123	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 (deg)	Height (m)	Polarity
1	* 2.46351	41.92	PK	32	-20.4	0	53.52	-	-	74	-20.48	217	378	V
2	2.54418	43.83	PK	32.1	-20.4	0	55.53	-	-	74	-18.47	217	378	V
3	* 2.46351	31.59	RMS	32	-20.4	0	43.19	54	-10.81	-	-	217	378	V
4	* 2.46374	31.97	RMS	32	-20.4	0	43.57	54	-10.43	-	-	217	378	V

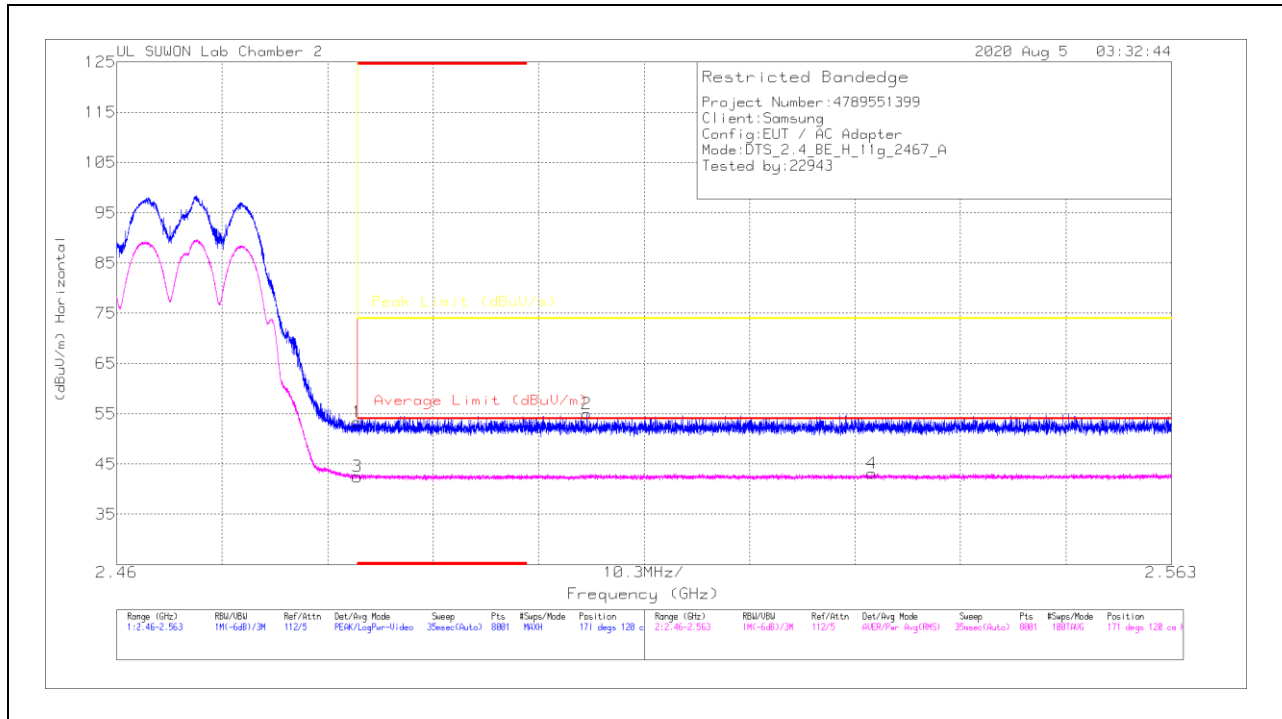
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



Trace Markers

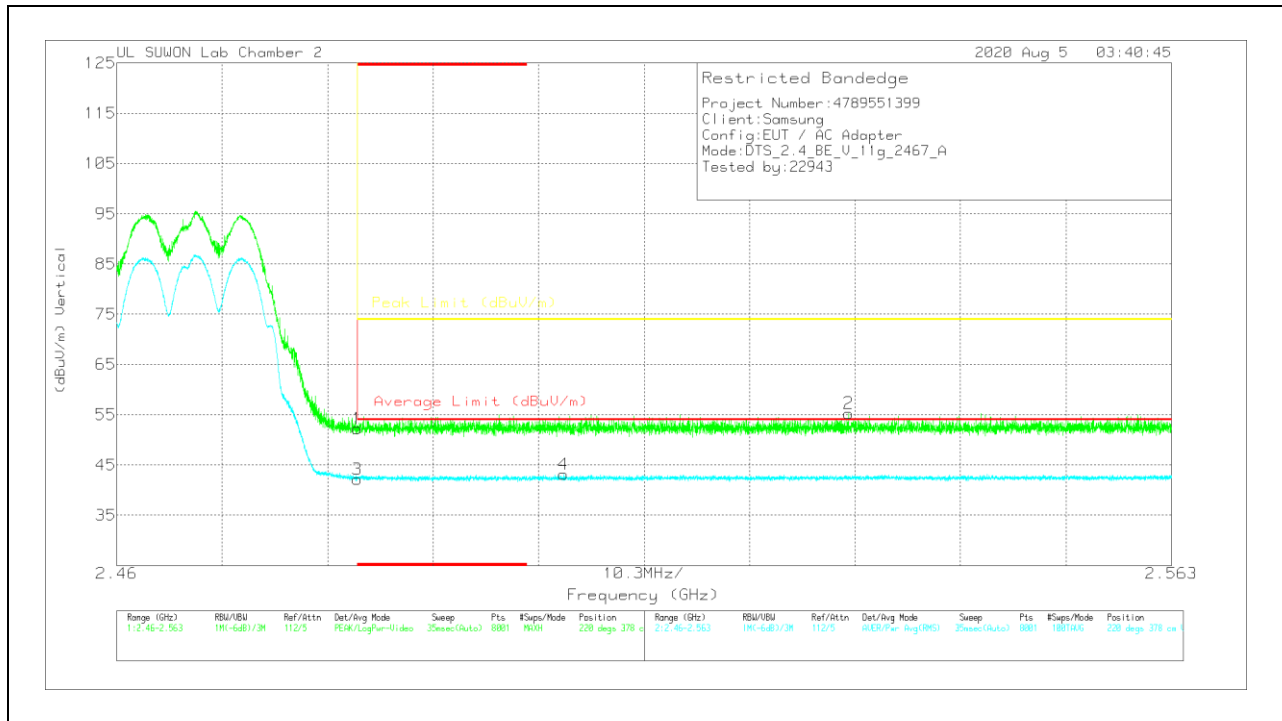
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.48351	41.74	Pk	32	-20.4	0	53.34	-	-	74	-20.66	171	120	H
2	2.5059	43.24	Pk	32.1	-20.4	0	54.94	-	-	74	-19.06	171	120	H
3	* 2.48351	30.87	RMS	32	-20.4	0	42.47	54	-11.53	-	-	171	120	H
4	2.53374	31.45	RMS	32.1	-20.4	0	43.15	54	-10.85	-	-	171	120	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 (deg)	Height (m)	Polarity
1	* 2.46351	40.65	PK	32	-20.4	0	52.25	-	-	74	-21.75	220	378	V
2	2.53146	43.6	PK	32.1	-20.4	0	55.3	-	-	74	-18.7	220	378	V
3	* 2.46351	30.57	RMS	32	-20.4	0	42.17	54	-11.83	-	-	220	378	V
4	2.50365	31.54	RMS	32.1	-20.5	0	43.14	54	-10.86	-	-	220	378	V

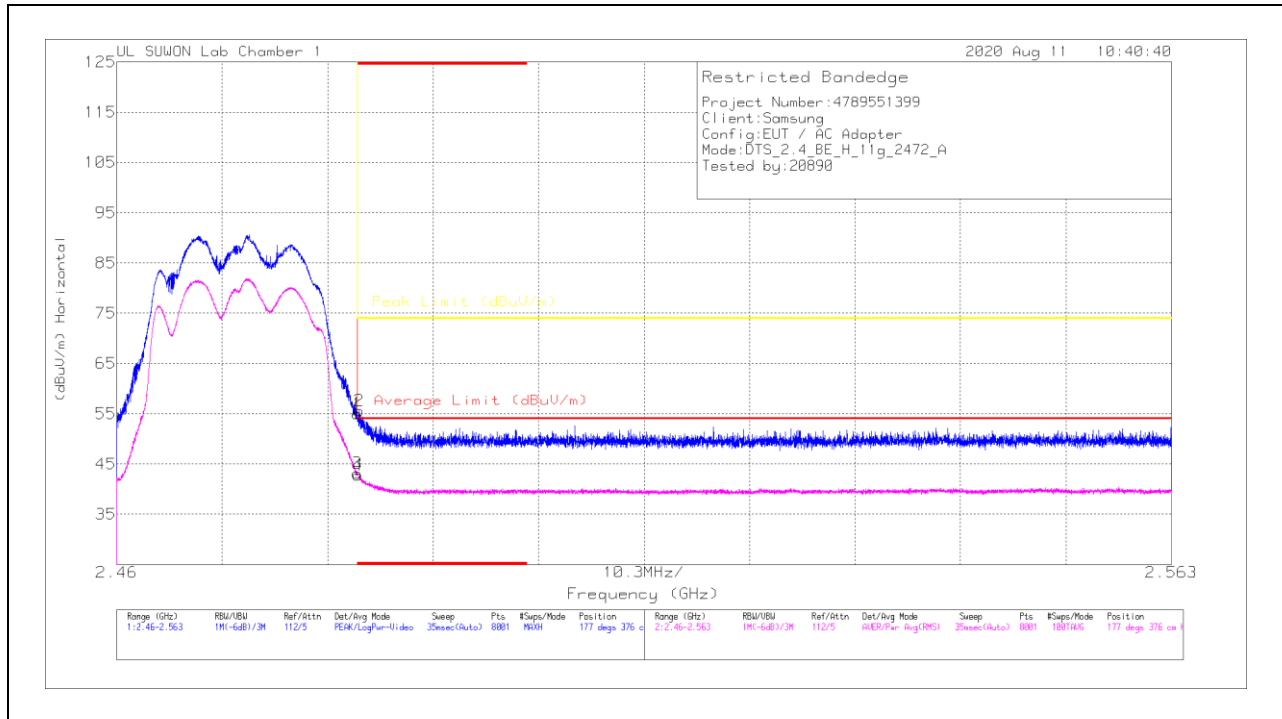
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

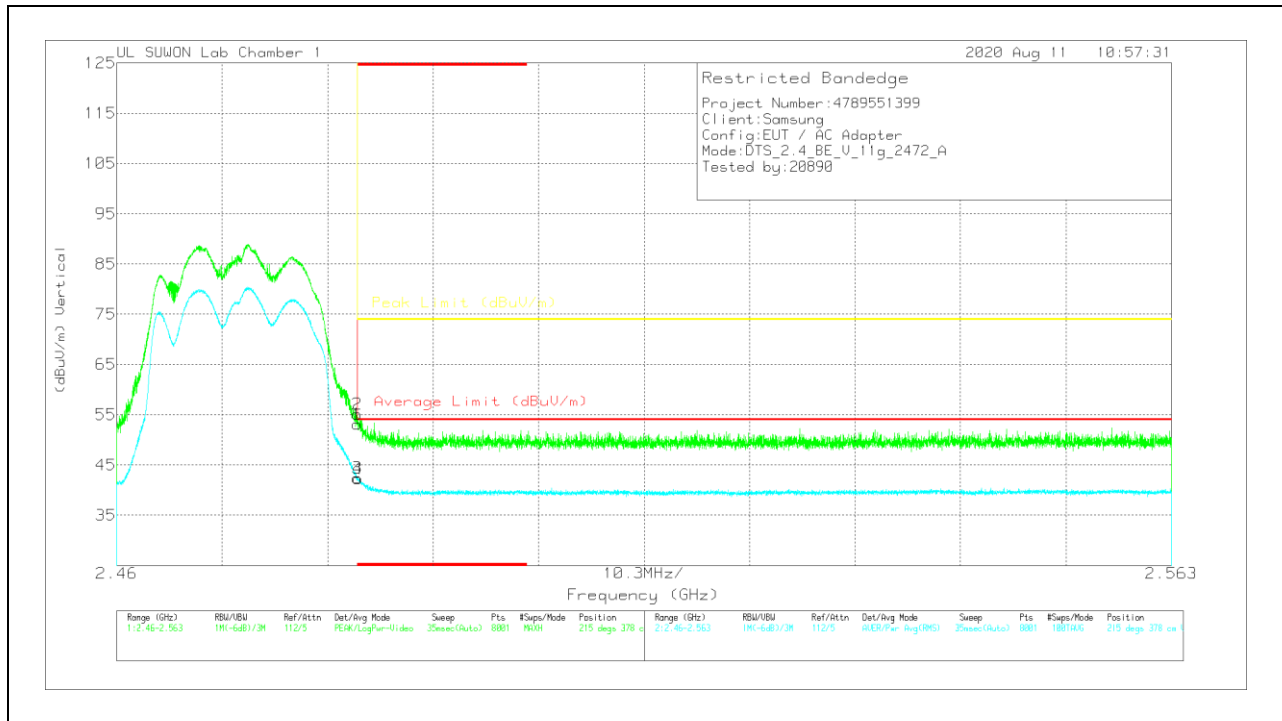


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	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	48.05	PK	32.2	-25.2	0	55.05	-	-	74	-18.95	177	376	H
2	* 2.48365	48.66	PK	32.2	-25.2	0	55.66	-	-	74	-18.34	177	376	H
3	* 2.48351	36.1	RMS	32.2	-25.2	0	43.1	54	-10.9	-	-	177	376	H
4	* 2.48357	35.77	RMS	32.2	-25.2	0	42.77	54	-11.23	-	-	177	376	H

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

VERTICAL RESULT



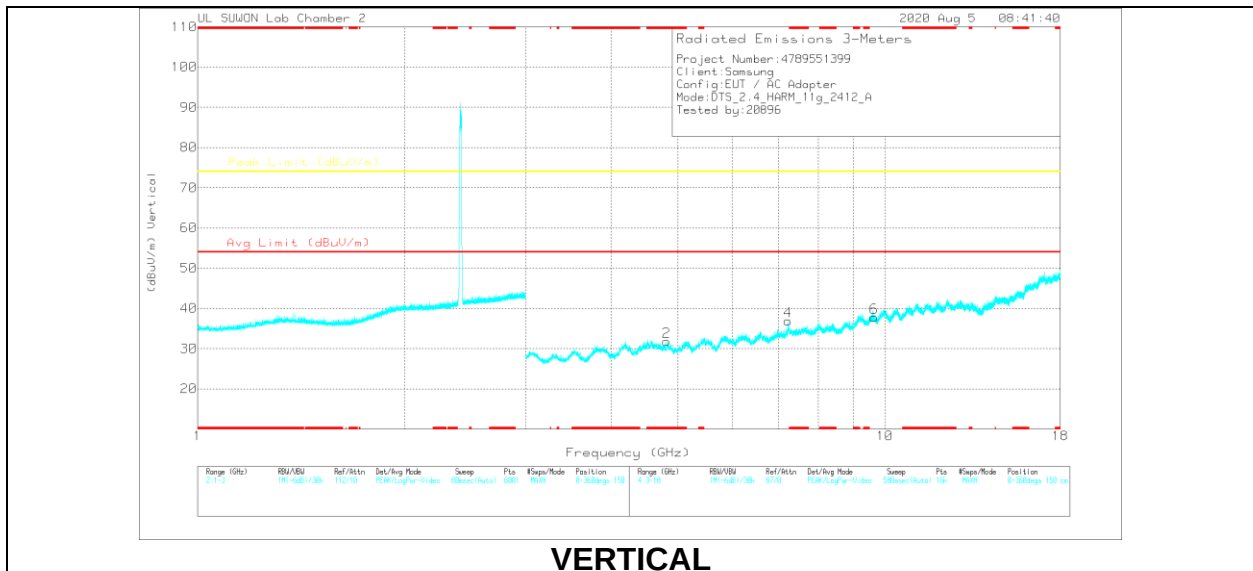
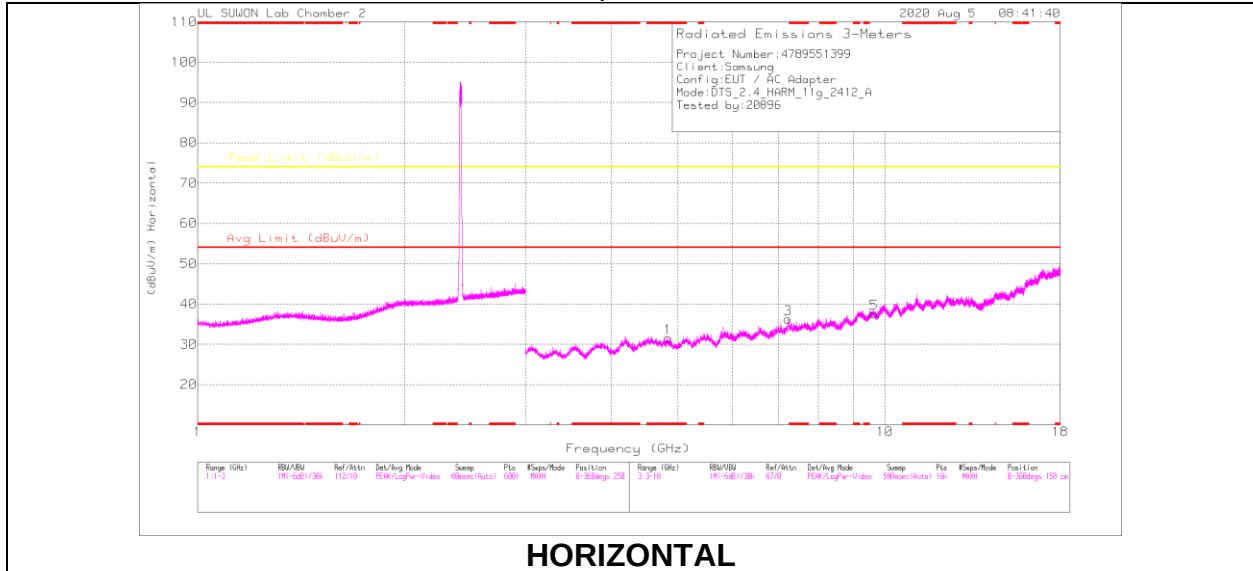
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (m)	Polarity
1	* 2.48351	46.11	PK	32.2	-25.2	0	53.11	-	-	74	-20.89	215	378	V
2	* 2.48352	48.1	PK	32.2	-25.2	0	55.1	-	-	74	-18.9	215	378	V
3	* 2.48351	35.45	RMS	32.2	-25.2	0	42.45	54	-11.55	-	-	215	378	V
4	* 2.48354	35.27	RMS	32.2	-25.2	0	42.27	54	-11.73	-	-	215	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



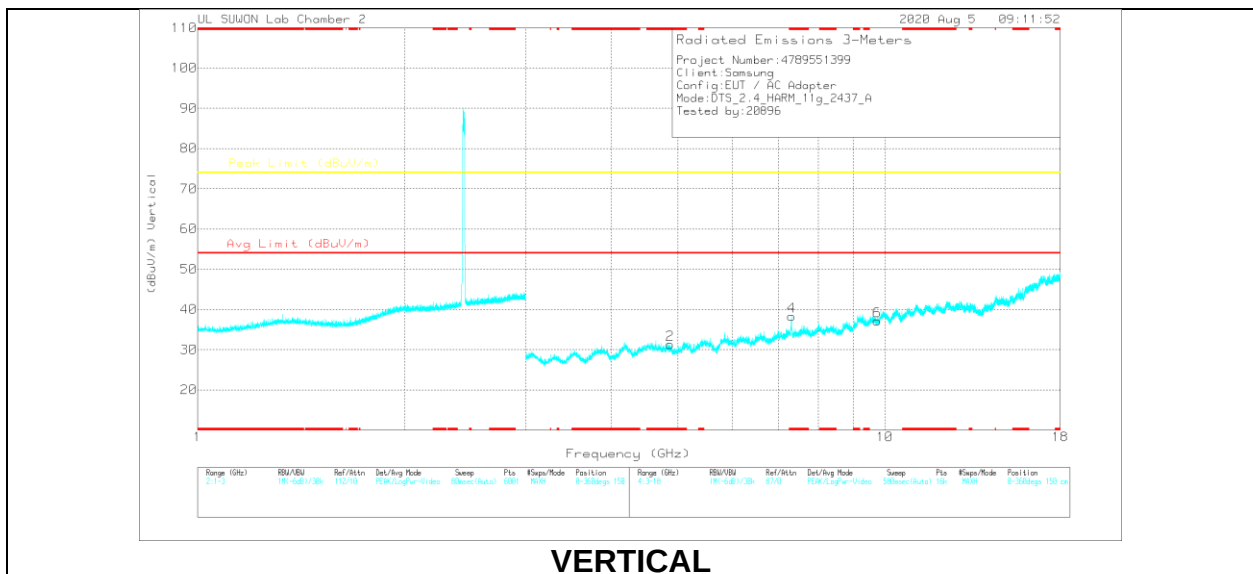
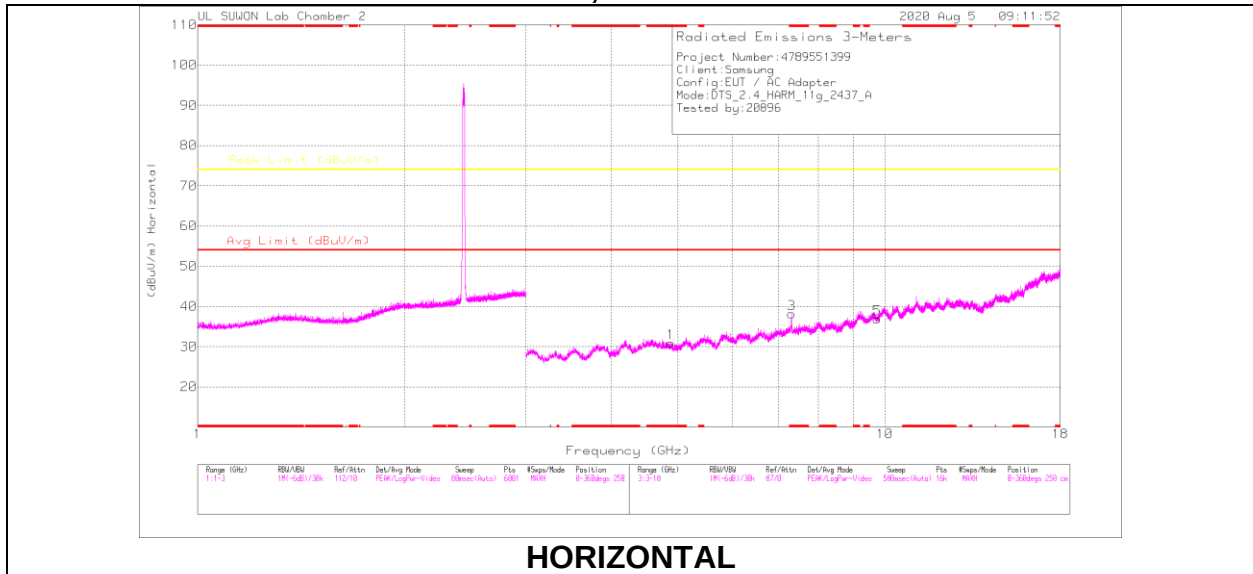
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

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
* 4.83551	37.32	PK2	34.2	-31.6	0	39.92	-	-	74	-34.08	360	100	H
* 4.83461	37.03	PK2	34.2	-31.5	0	39.73	-	-	74	-34.27	360	100	V
7.24056	41.71	PK2	35.8	-27.8	0	49.71	-	-	74	-24.29	205	123	H
7.2356	42.5	PK2	35.8	-27.8	0	50.5	-	-	74	-23.5	203	100	V
9.65277	33.08	PK2	37.1	-23.5	0	46.68	-	-	74	-27.32	360	100	H
9.65015	33.11	PK2	37.1	-23.5	0	46.71	-	-	74	-27.29	360	100	V

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

MID CHANNEL, CH 6 RESULTS



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

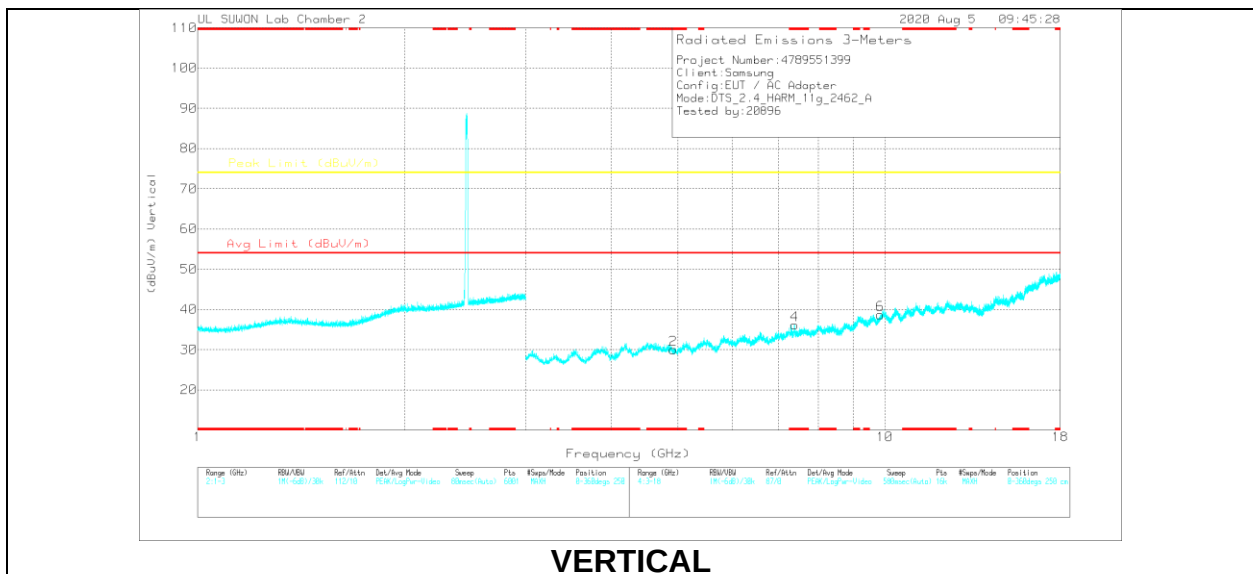
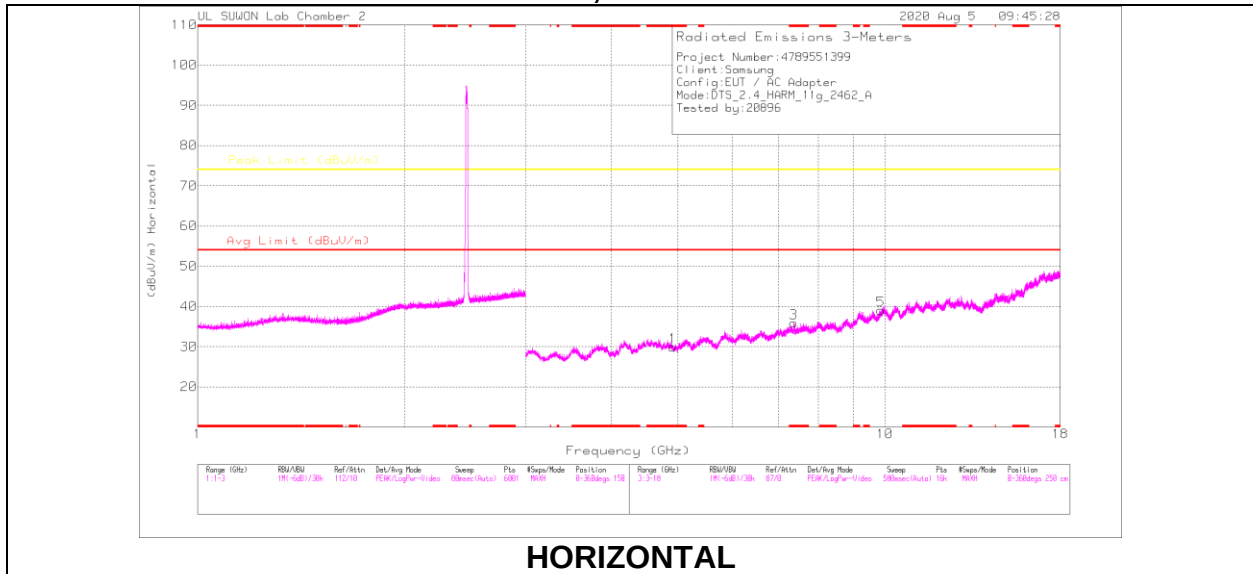
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87565	36.74	PK2	34.2	-31.6	0	39.34	-	-	74	-34.66	360	100	H
* 4.87708	37.81	PK2	34.2	-31.5	0	40.51	-	-	74	-33.49	360	100	V
* 7.30851	43.28	PK2	35.8	-27.6	0	51.48	-	-	74	-22.52	200	100	H
* 7.30831	28.27	MAv1	35.8	-27.6	0	36.47	54	-17.53	-	-	200	100	H
* 7.31411	44.21	PK2	35.8	-27.4	0	52.61	-	-	74	-21.39	202	100	V
* 7.30819	28.85	MAv1	35.8	-27.6	0	37.05	54	-16.95	-	-	202	100	V
9.7621	33.46	PK2	37.2	-23.9	0	46.76	-	-	74	-27.24	0	100	H
9.75604	32.28	PK2	37.2	-23.8	0	45.68	-	-	74	-28.32	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



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
* 4.91488	35.97	PK2	34.2	-31.6	0	38.57	-	-	74	-35.43	0	100	H
* 4.91685	36.35	PK2	34.2	-31.6	0	38.95	-	-	74	-35.05	0	100	V
* 7.38546	40.18	PK2	35.8	-26.9	0	49.08	-	-	74	-24.92	204	107	H
* 7.3819	25.63	MAv1	35.8	-26.9	0	34.53	54	-19.47	-	-	204	107	H
* 7.38338	40.98	PK2	35.8	-26.9	0	49.88	-	-	74	-24.12	197	100	V
* 7.38266	26.21	MAv1	35.8	-26.9	0	35.11	54	-18.89	-	-	197	100	V
9.85838	32.84	PK2	37.4	-23	0	47.24	-	-	74	-26.76	360	100	H
9.86011	32.79	PK2	37.4	-22.9	0	47.29	-	-	74	-26.71	360	100	V

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

PK2 - KDB558074 Method: Maximum Peak

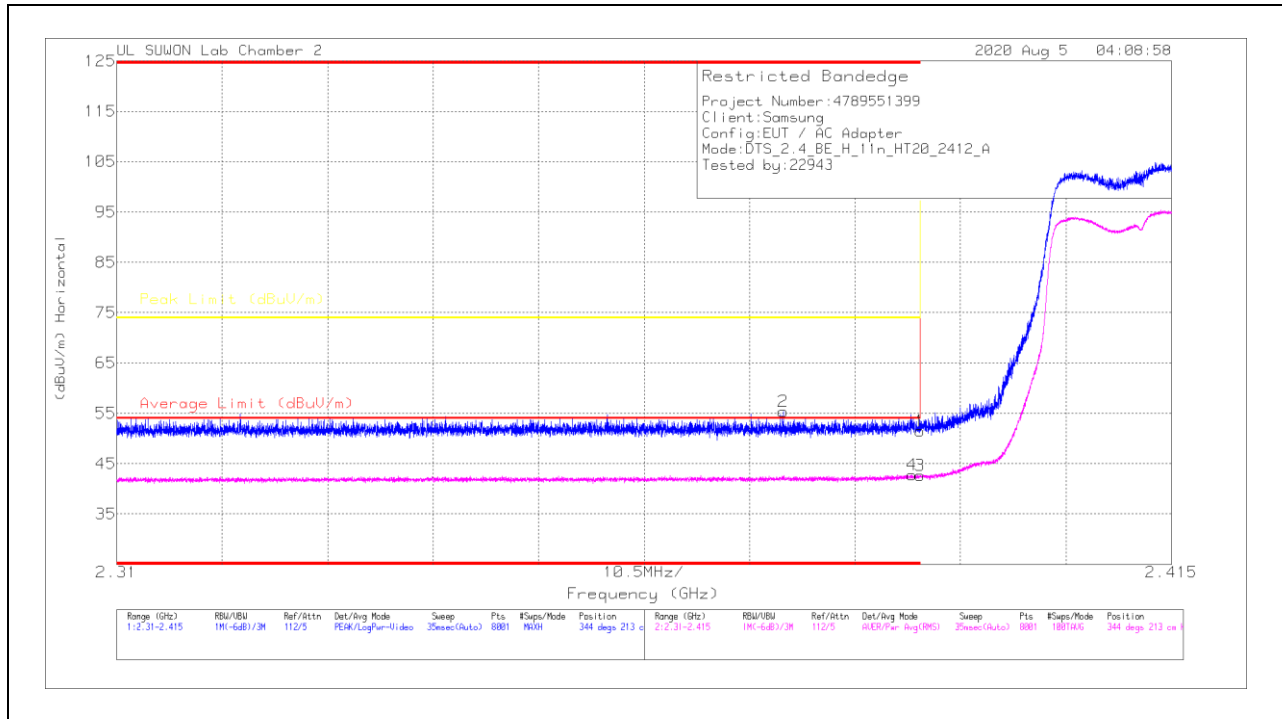
MAv1 - KDB558074 Option 1 Maximum RMS Average

10.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

2TX Antenna 1 + Antenna 2 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

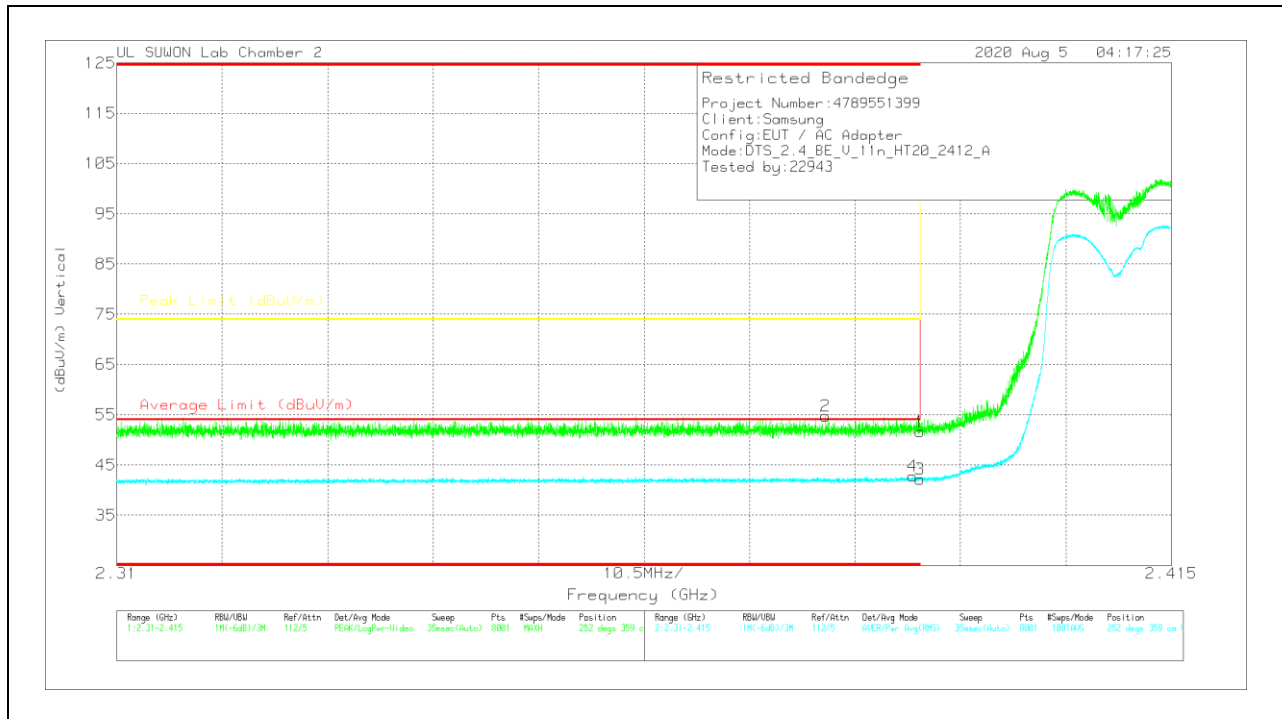
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00108724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	40.19	Pk	31.9	-20.6	0	51.49	-	-	74	-22.51	344	213	H
2	* 2.37635	44.03	Pk	31.9	-20.6	0	55.33	-	-	74	-18.67	344	213	H
3	* 2.39	31.38	RMS	31.9	-20.6	0	42.68	54	-11.32	-	-	344	213	H
4	* 2.38914	31.5	RMS	31.9	-20.6	0	42.8	54	-11.2	-	-	344	213	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	40.38	PK	31.9	-20.6	0	51.08	-	-	74	-22.32	252	359	V
2	* 2.38056	43.49	PK	31.9	-20.6	0	54.79	-	-	74	-19.21	252	359	V
3	* 2.39	30.87	RMS	31.9	-20.6	0	42.17	54	-11.83	-	-	252	359	V
4	* 2.38924	31.45	RMS	31.9	-20.6	0	42.75	54	-11.25	-	-	252	359	V

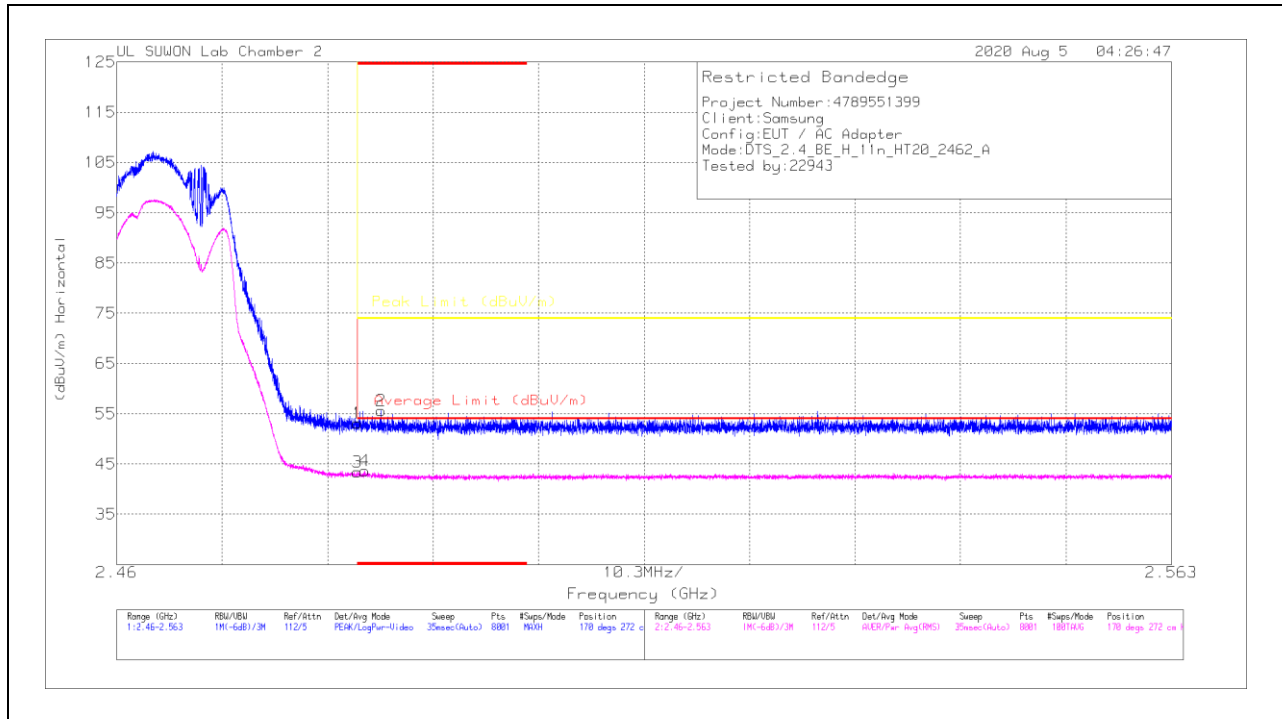
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

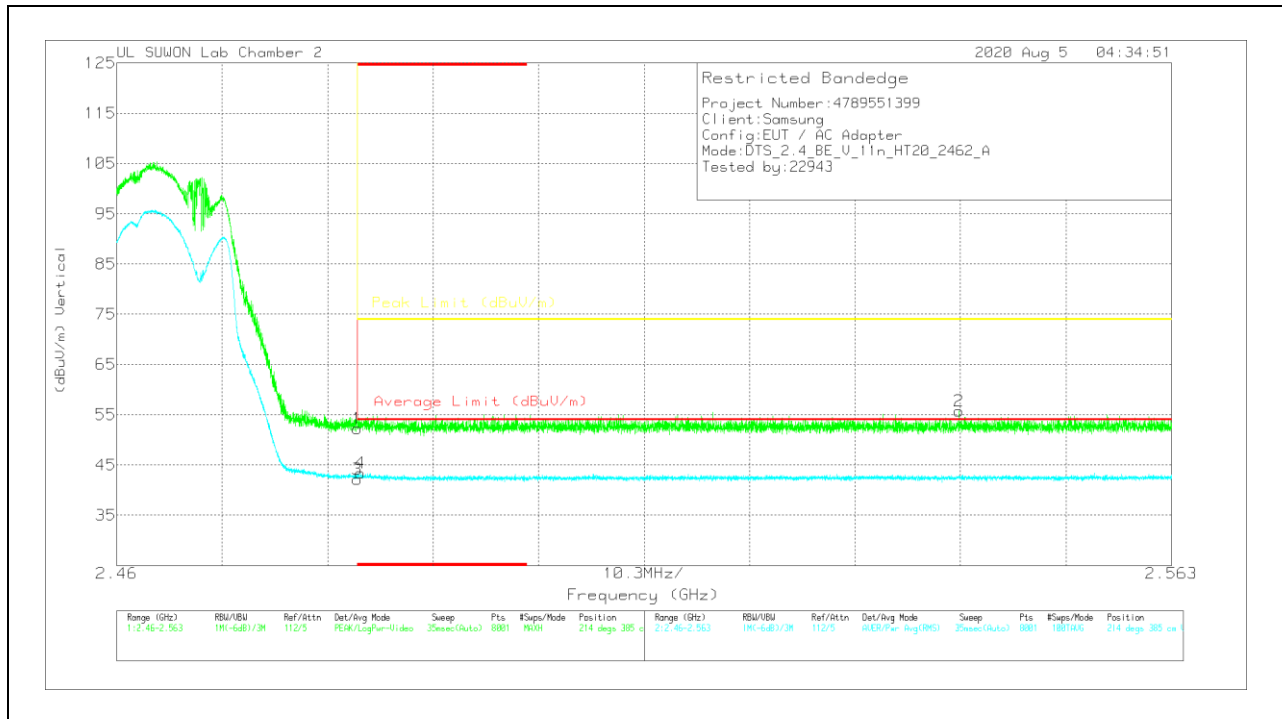


Trace Markers

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	41.55	PK	32	-20.4	0	53.15	-	-	74	-20.85	170	272	H
2	* 2.48583	44.15	PK	32	-20.5	0	55.65	-	-	74	-18.35	170	272	H
3	* 2.48351	31.75	RMS	32	-20.4	0	43.35	54	-10.65	-	-	170	272	H
4	* 2.48426	32.01	RMS	32	-20.4	0	43.61	54	-10.39	-	-	170	272	H

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

VERTICAL RESULT



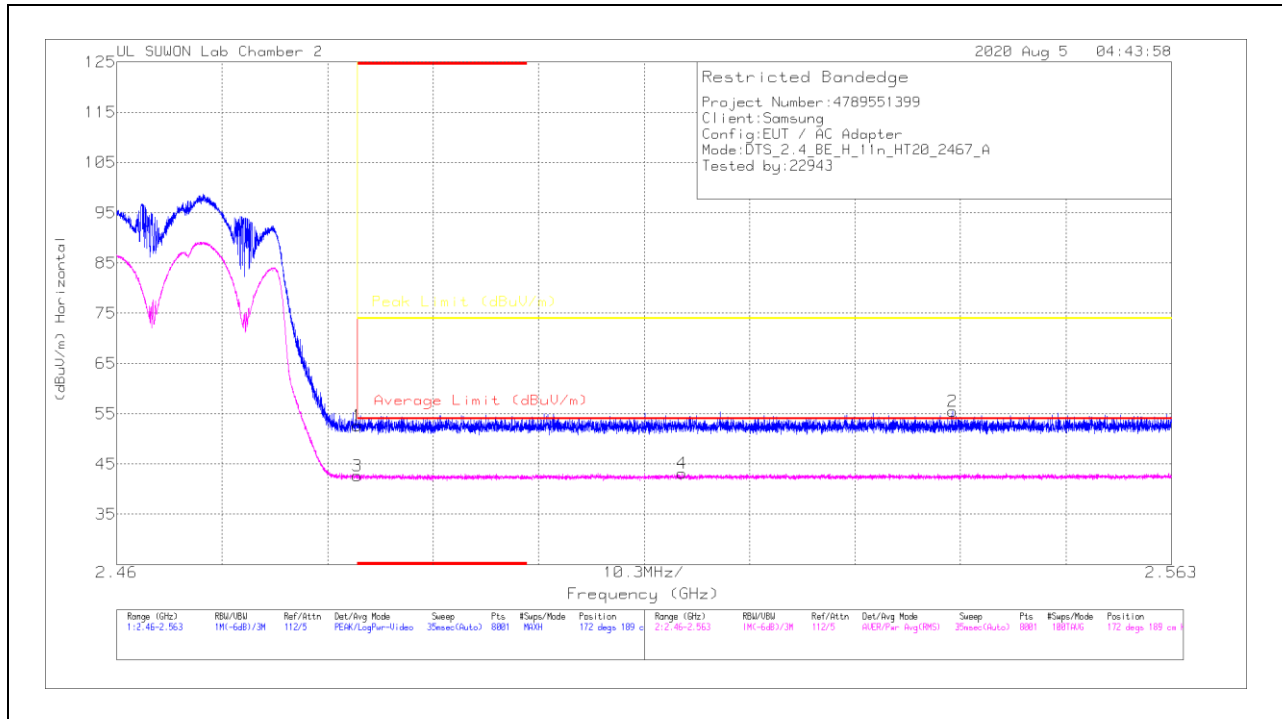
Trace Markers

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	40.65	PK	32	-20.4	0	52.25	-	-	74	-21.75	214	385	V
2	2.54225	44.04	PK	32.1	-20.4	0	55.74	-	-	74	-18.26	214	385	V
3	* 2.48351	30.58	RMS	32	-20.4	0	42.18	54	-11.82	-	-	214	385	V
4	* 2.48382	31.82	RMS	32	-20.4	0	43.42	54	-10.58	-	-	214	385	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

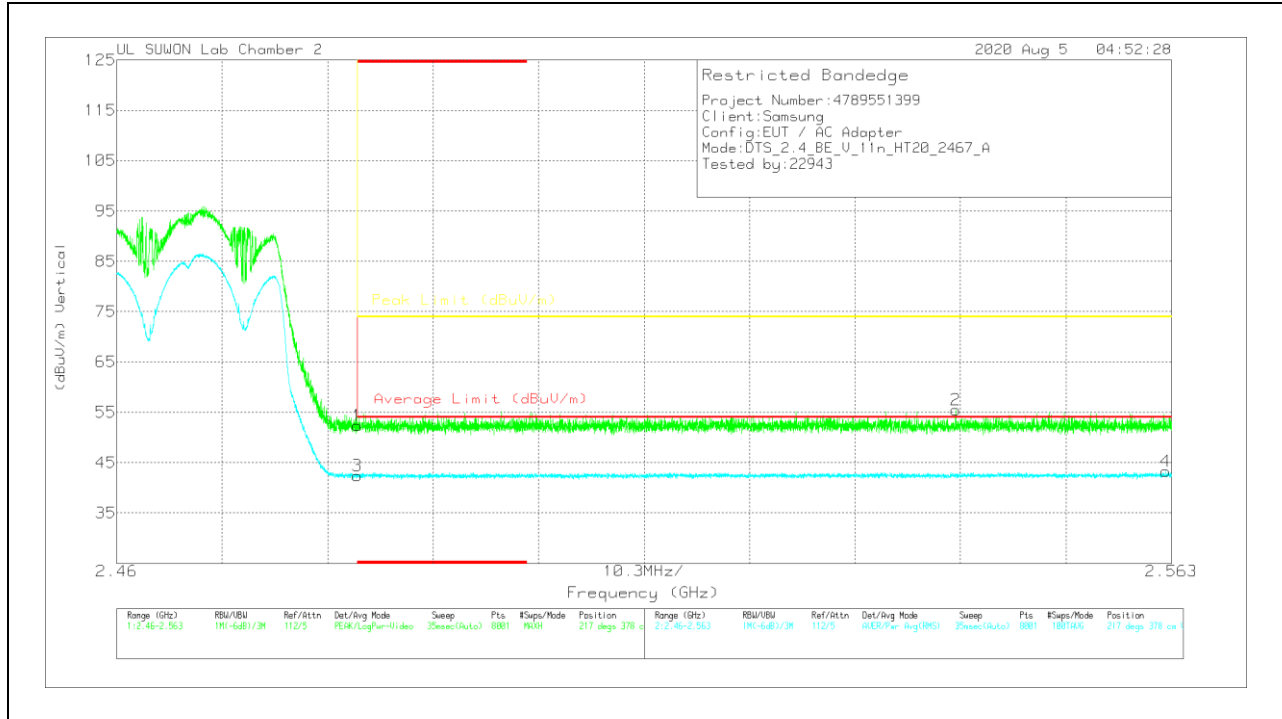
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
1	* 2.48351	41.04	PK	32	-20.4	0	52.04	-	-	74	-21.36	172	189	H
2	2.54155	43.76	PK	32.1	-20.4	0	55.46	-	-	74	-18.54	172	189	H
3	* 2.48351	31.07	RMS	32	-20.4	0	42.67	54	-11.33	-	-	172	189	H
4	2.5152	31.5	RMS	32.1	-20.4	0	43.2	54	-10.8	-	-	172	189	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



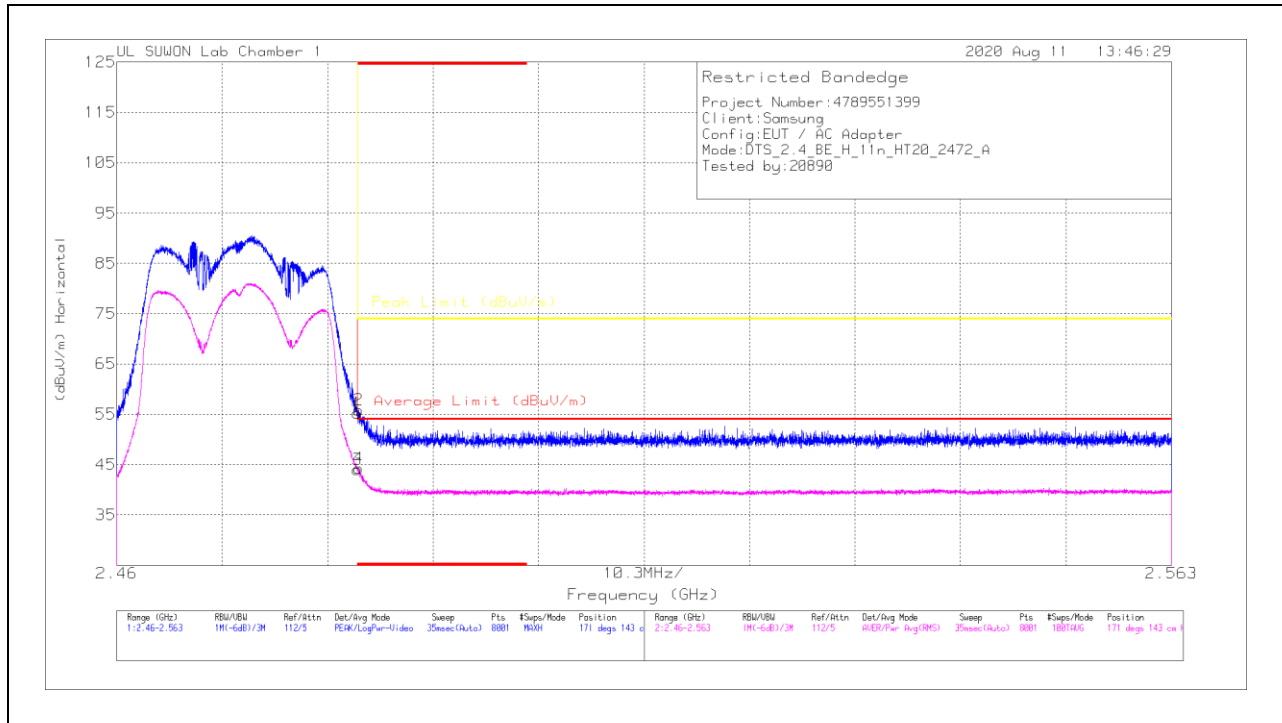
Trace Markers

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	* 2.48251	40.78	PK	32	-20.4	0	52.38	-	-	74	-21.62	217	378	V
2	2.54192	43.8	PK	32.1	-20.4	0	55.5	-	-	74	-18.5	217	378	V
3	* 2.48351	30.78	RMS	32	-20.4	0	42.38	54	-11.62	-	-	217	378	V
4	2.56246	31.48	RMS	32.2	-20.4	0	43.28	54	-10.72	-	-	217	378	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

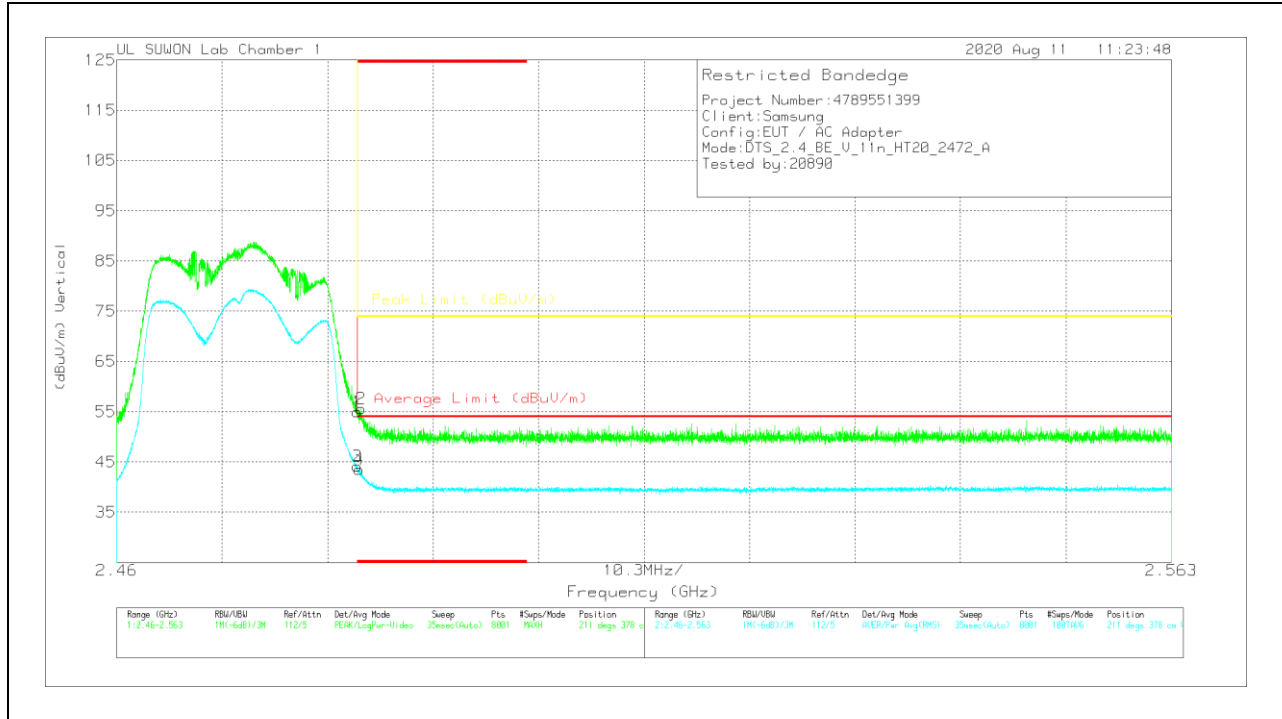
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_50218957	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	48.24	Pk	32.2	-25.2	0	55.24	-	-	74	-18.76	171	143	H
2	* 2.48361	48.82	Pk	32.2	-25.2	0	55.82	-	-	74	-18.18	171	143	H
3	* 2.48351	37	RMS	32.2	-25.2	0	44	54	-10	-	-	171	143	H
4	* 2.48361	37.23	RMS	32.2	-25.2	0	44.23	54	-9.77	-	-	171	143	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



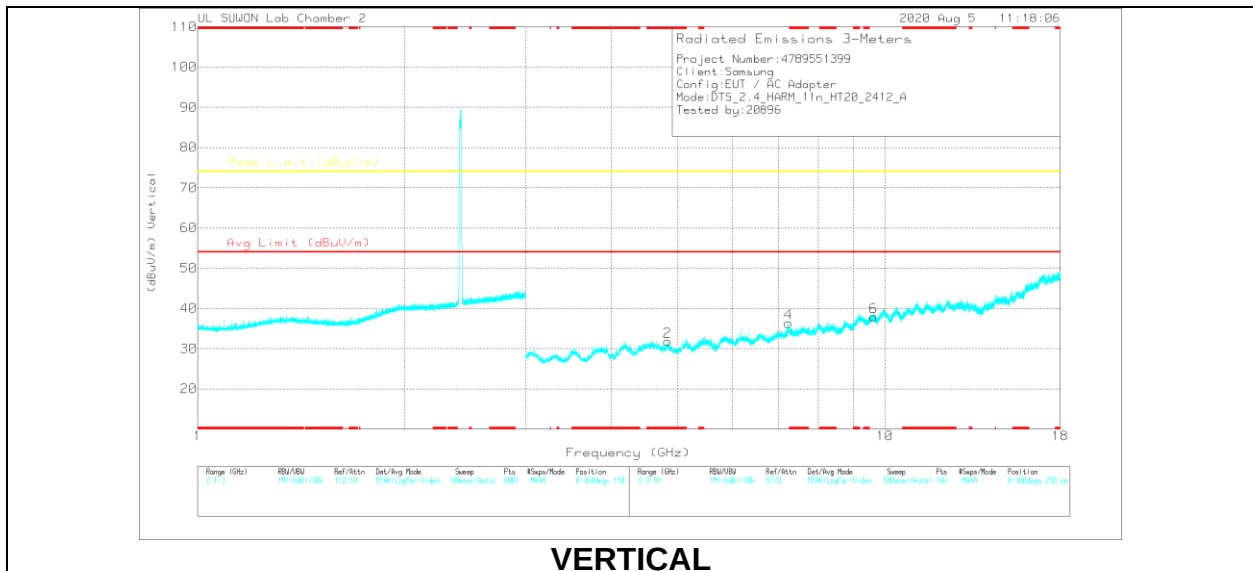
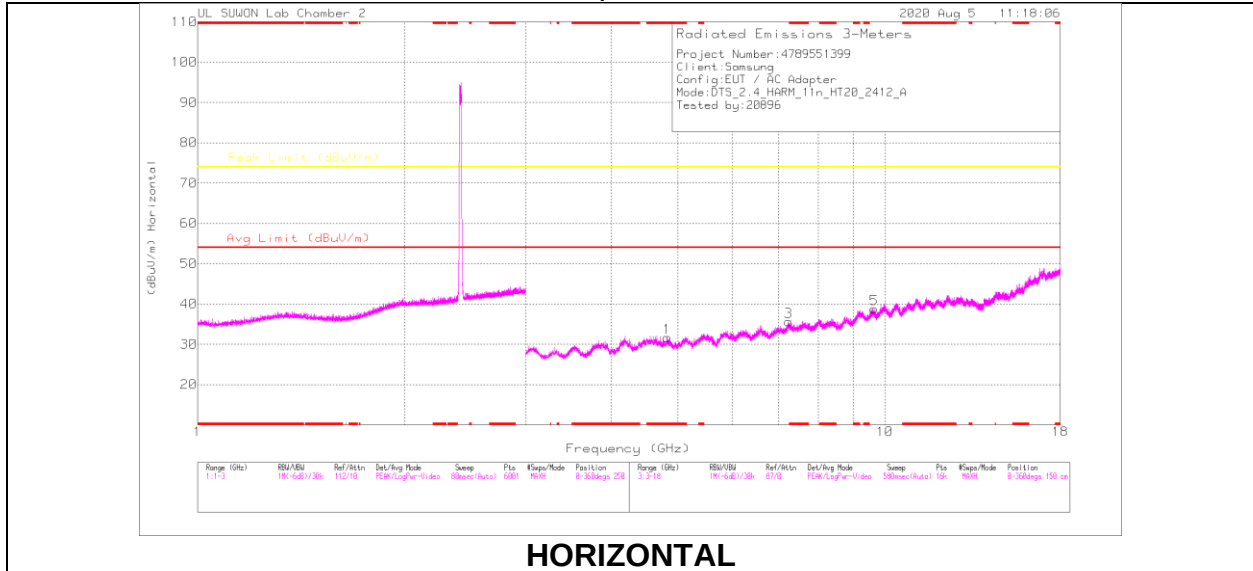
Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00218957	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	47.94	Pk	32.2	-25.2	0	54.94	-	-	74	-19.06	211	378	V
2	* 2.48368	48.58	Pk	32.2	-25.2	0	55.58	-	-	74	-18.42	211	378	V
3	* 2.48351	37.1	RMS	32.2	-25.2	0	44.1	54	-9.9	-	-	211	378	V
4	* 2.48368	36.53	RMS	32.2	-25.2	0	43.53	54	-10.47	-	-	211	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



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

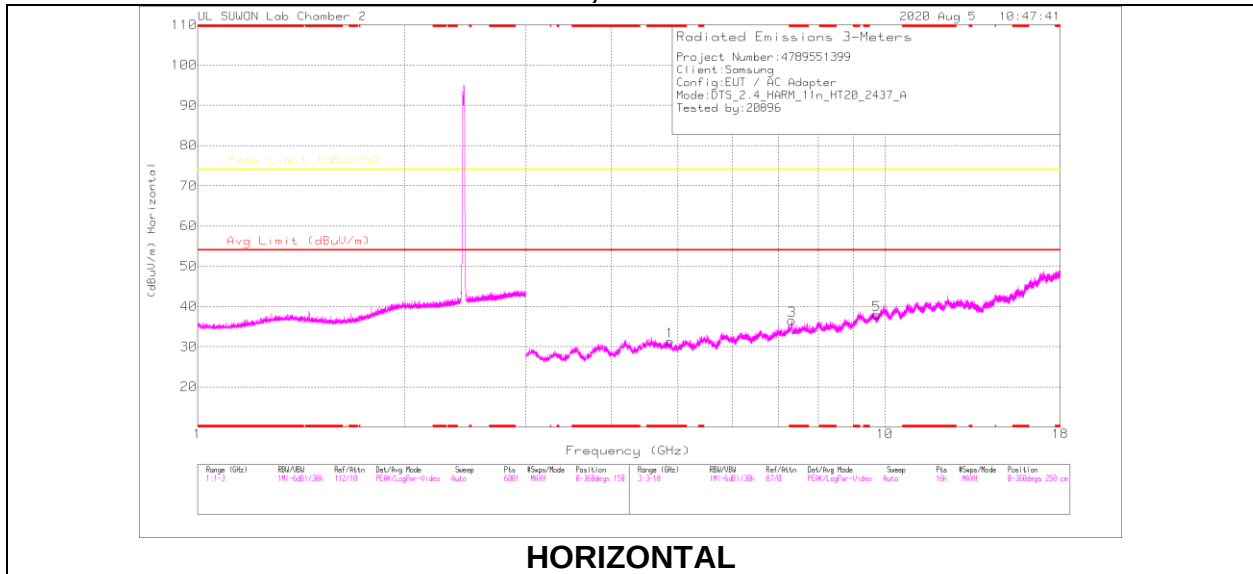
RADIATED EMISSIONS

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
* 4.82492	36.92	PK2	34.2	-31.6	0	39.52	-	-	74	-34.48	360	100	H
* 4.82426	38.03	PK2	34.2	-31.5	0	40.73	-	-	74	-33.27	360	100	V
7.23328	43.29	PK2	35.8	-27.7	0	51.39	-	-	74	-22.61	205	104	H
7.23236	44.54	PK2	35.8	-27.7	0	52.64	-	-	74	-21.36	204	100	V
9.65026	32.45	PK2	37.1	-23.5	0	46.05	-	-	74	-27.95	360	100	H
9.65173	32.72	PK2	37.1	-23.5	0	46.32	-	-	74	-27.68	360	100	V

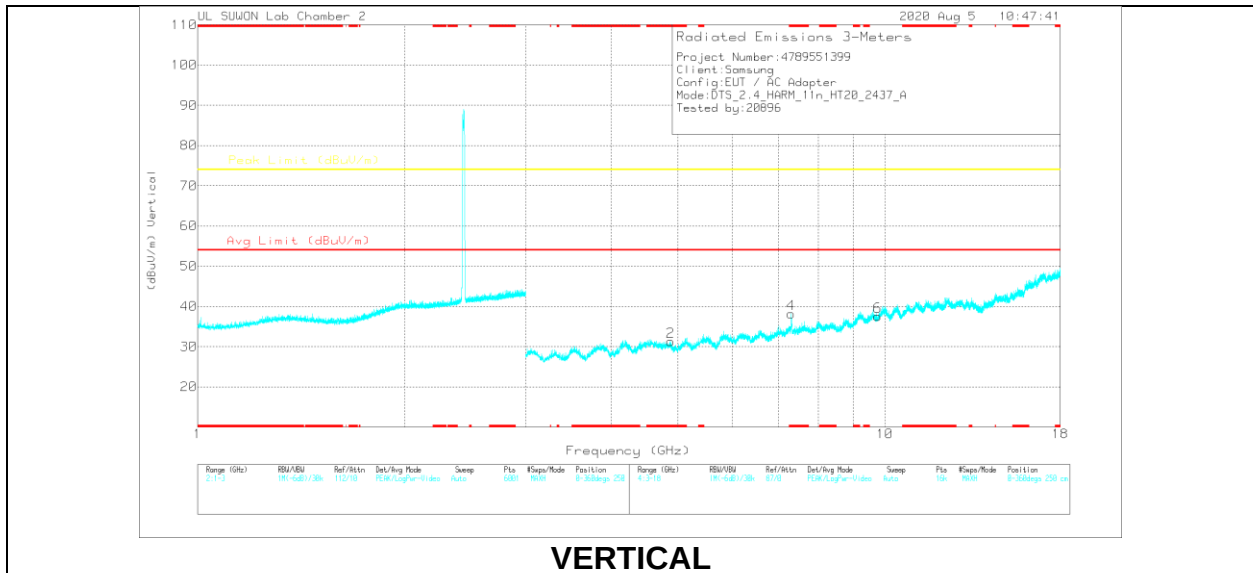
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

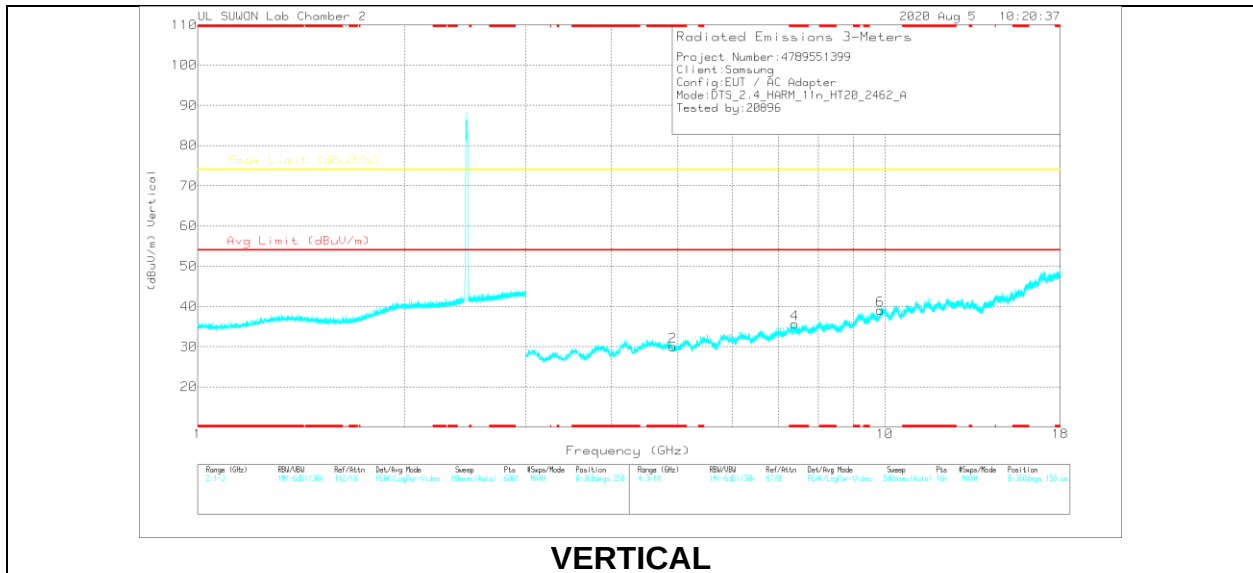
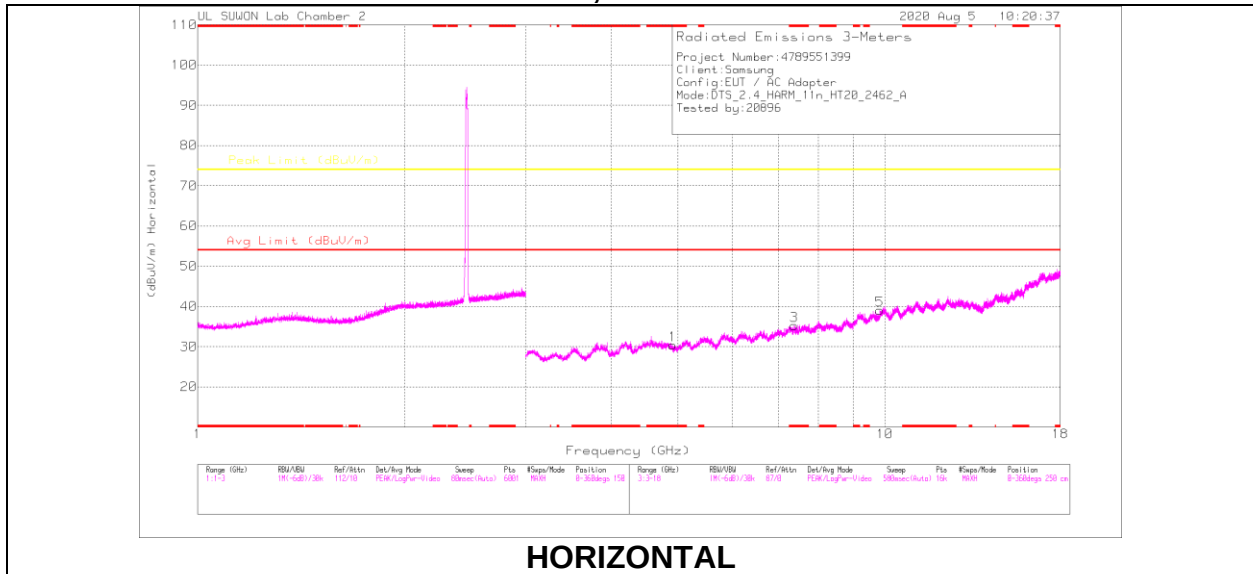
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.8755	36.92	PK2	34.2	-31.6	0	39.52	-	-	74	-34.48	360	100	H
* 4.87328	37.45	PK2	34.2	-31.6	0	40.05	-	-	74	-33.95	360	100	V
* 7.3071	45.95	PK2	35.8	-27.6	0	54.15	-	-	74	-19.85	206	104	H
* 7.31418	26.65	MAv1	35.8	-27.4	0	35.05	54	-18.95	-	-	206	104	H
* 7.30734	46.38	PK2	35.8	-27.6	0	54.58	-	-	74	-19.42	204	100	V
* 7.31606	27.36	MAv1	35.8	-27.3	0	35.86	54	-18.14	-	-	204	100	V
9.72956	32.72	PK2	37.2	-23.9	0	46.02	-	-	74	-27.98	360	100	H
9.73153	32.97	PK2	37.2	-23.9	0	46.27	-	-	74	-27.73	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

HIGH CHANNEL, CH 11 RESULTS



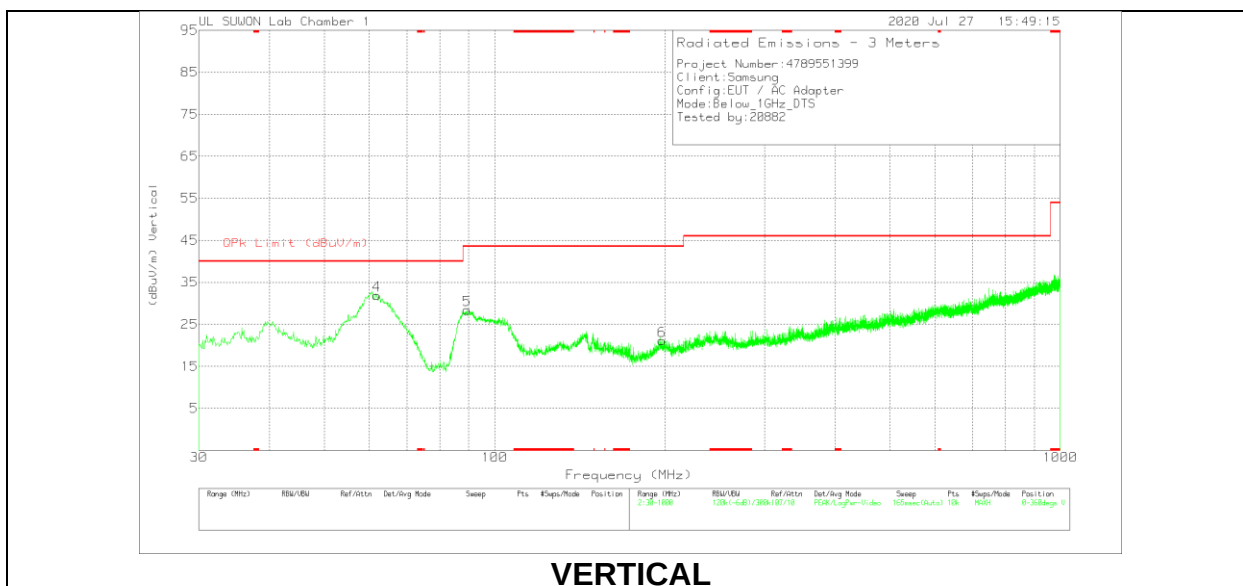
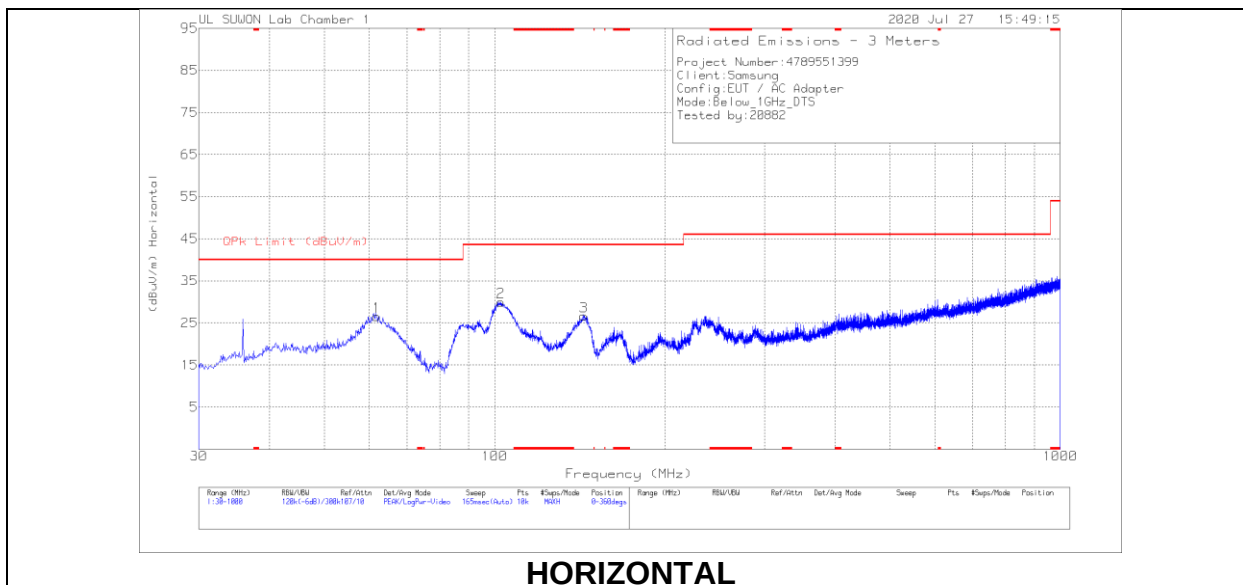
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

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
* 4.91091	36.68	PK2	34.2	-31.7	0	39.18	-	-	74	-34.82	360	100	H
* 4.90981	36.16	PK2	34.2	-31.7	0	38.66	-	-	74	-35.34	360	100	V
* 7.38558	35.51	PK2	35.8	-26.9	0	44.41	-	-	74	-29.59	360	100	H
* 7.38901	40.18	PK2	35.8	-27	0	48.98	-	-	74	-25.02	360	100	V
9.83908	32.79	PK2	37.4	-23.3	0	46.89	-	-	74	-27.11	360	100	H
9.8391	32.76	PK2	37.4	-23.3	0	46.86	-	-	74	-27.14	360	100	V

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

10.2. WORST CASE BELOW 1 GHZ



Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	61.913	38.66	Pk	18.1	-30.2	0	26.56	40	-13.44	0-360	400	H
2	102.653	41.69	Pk	17.9	-29.6	0	29.99	43.52	-13.53	0-360	300	H
3	143.781	41.51	Pk	14.1	-29	0	26.61	43.52	-16.91	0-360	200	H
4	61.913	43.21	Pk	18.1	-29.4	0	31.91	40	-8.09	0-360	100	V
5	89.461	41.83	Pk	15.5	-28.9	0	28.43	43.52	-15.09	0-360	100	V
6	197.616	30.64	Pk	18.1	-27.6	0	21.14	43.52	-22.38	0-360	100	V

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 [*]	56 to 46 [*]
0.5-5	56	46
5-30	60	50

^{*} Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

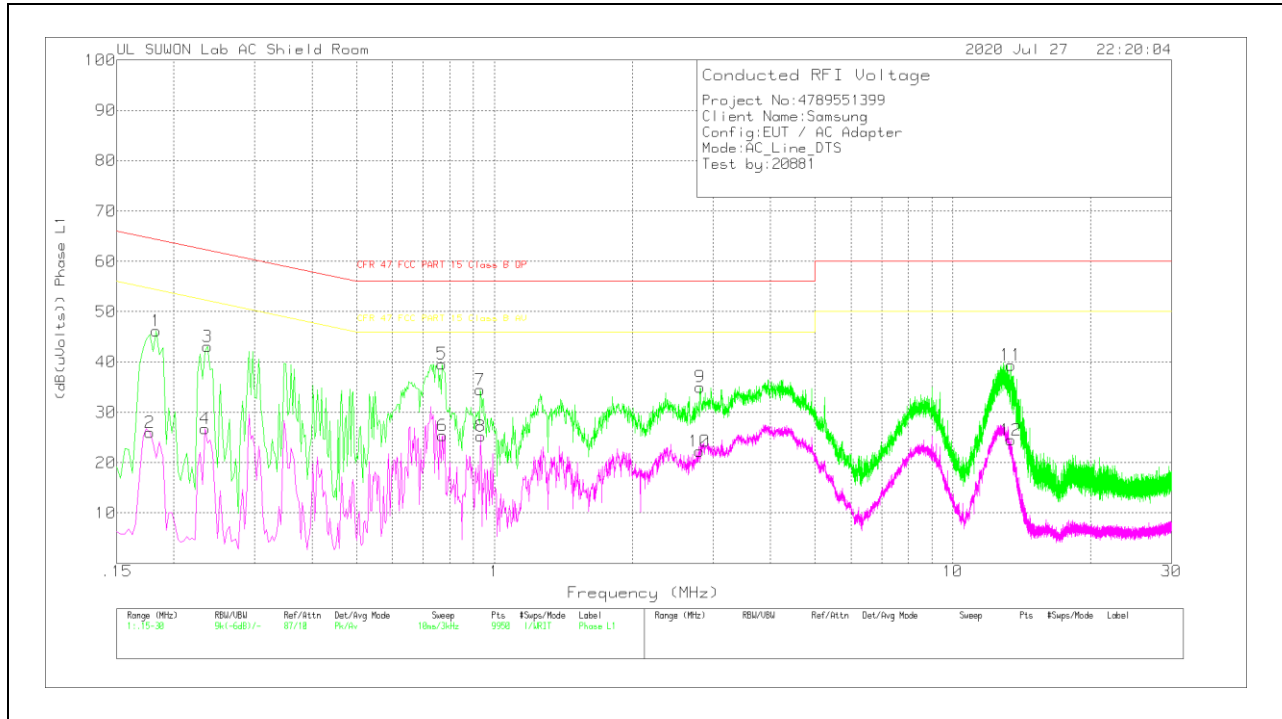
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

11.1.1. AC Power Line

LINE 1 RESULTS



Trace Markers

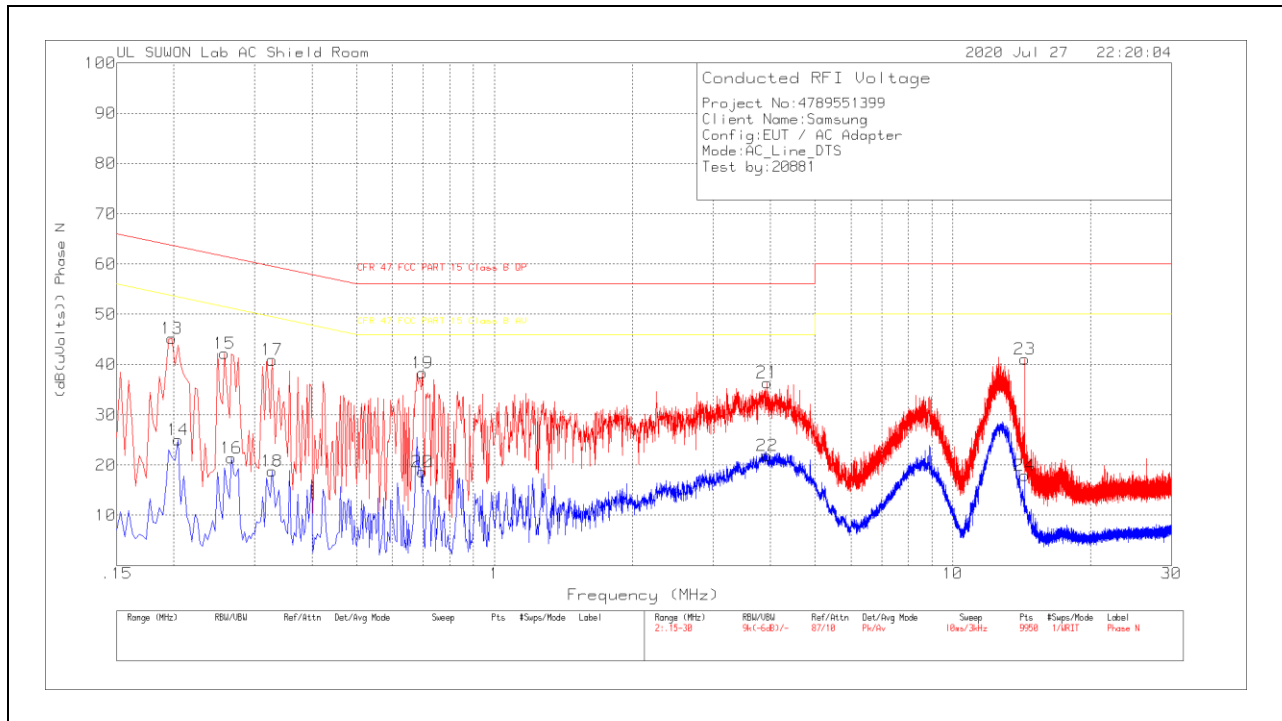
Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_With Ex_L1[dB]	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
1	.183	35.97	Pk	10	.2	46.17	64.35	-18.18	-	-
2	.177	15.81	Av	10	.2	26.01	-	-	54.63	-28.62
3	.237	33.13	Pk	9.7	.2	43.03	62.2	-19.17	-	-
4	.234	16.8	Av	9.8	.2	26.8	-	-	52.31	-25.51
5	.768	29.55	Pk	9.9	.2	39.65	56	-16.35	-	-
6	.771	15.33	Av	9.9	.2	25.43	-	-	46	-20.57
7	.93	24.41	Pk	9.8	.3	34.51	56	-21.49	-	-
8	.933	15.16	Av	9.8	.3	25.26	-	-	46	-20.74
9	2.808	24.94	Pk	9.8	.3	35.04	56	-20.96	-	-
10	2.802	12.14	Av	9.8	.3	22.24	-	-	46	-23.76
11	13.413	28.9	Pk	10.1	.4	39.4	60	-20.6	-	-
12	13.398	14.01	Av	10.1	.4	24.51	-	-	50	-25.49

Pk - Peak detector

Av - Average detection

LINE 2 RESULTS



Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_N[dB]	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B OP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
13	.198	35.14	Pk	9.9	.2	45.24	63.69	-18.45	-	-
14	.204	14.92	Av	9.9	.2	25.02	-	-	53.45	-28.43
15	.258	32.29	Pk	9.7	.2	42.19	61.5	-19.31	-	-
16	.267	11.46	Av	9.7	.2	21.36	-	-	51.21	-29.85
17	.327	30.9	Pk	9.8	.2	40.9	59.53	-18.63	-	-
18	.327	8.76	Av	9.8	.2	18.76	-	-	49.53	-30.77
19	.696	28.22	Pk	9.9	.2	38.32	56	-17.68	-	-
20	.696	8.6	Av	9.9	.2	18.7	-	-	46	-27.3
21	3.936	26.31	Pk	9.8	.3	36.41	56	-19.59	-	-
22	3.933	11.75	Av	9.8	.3	21.85	-	-	46	-24.15
23	14.37	30.62	Pk	10.1	.4	41.12	60	-18.88	-	-
24	14.37	7.37	Av	10.1	.4	17.87	-	-	50	-32.13

Pk - Peak detector

Av - Average detection

END OF TEST REPORT