

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 = 0.11 dB (97.57 %);
802.11n(HT20) MIMO mode = 0.11 dB (97.39 %);
802.11ax(HE20) MIMO SU mode = 0.10 dB (97.67%);
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.

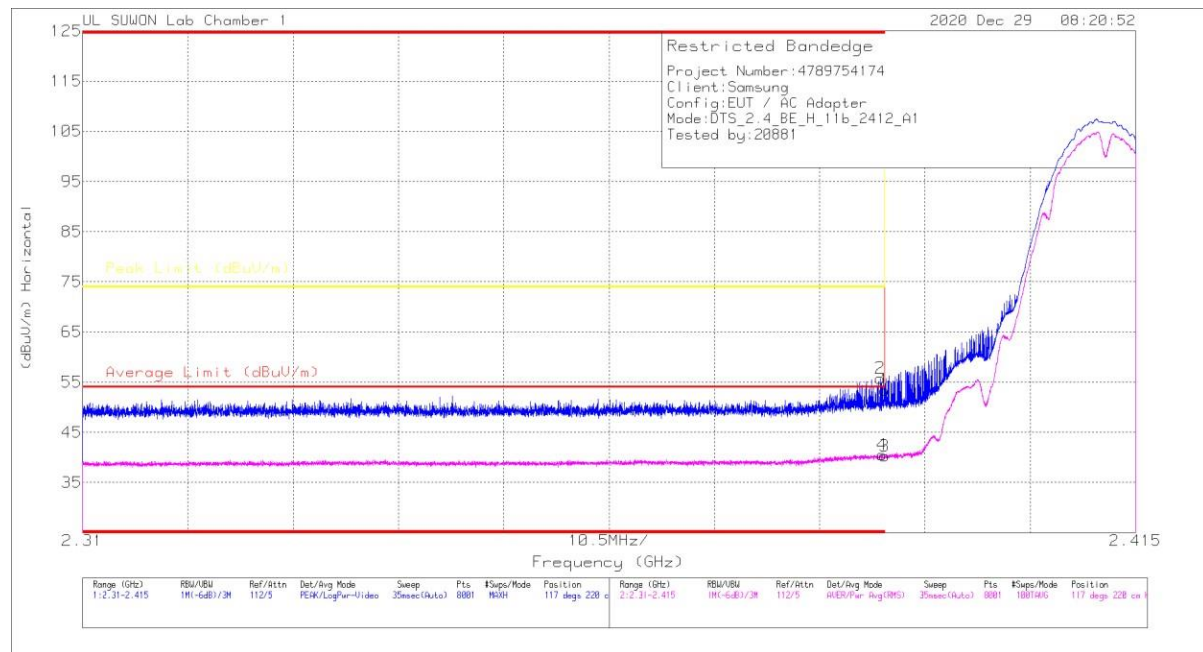
10.1. TRANSMITTER ABOVE 1 GHz

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

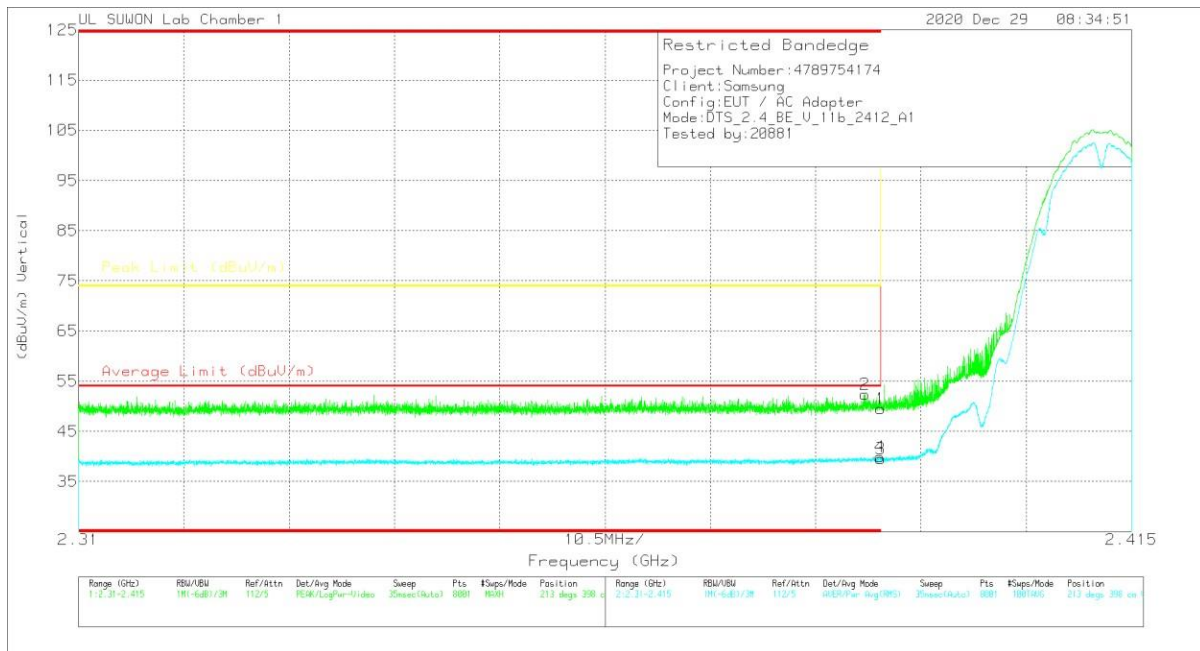


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	3117_00166717	100H_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	47.23	PK	31.8	-25.6	0	53.43	-	-	74	-20.57	117	220	H
2	* 2.38954	49.5	PK	31.8	-25.5	0	55.8	-	-	74	-18.2	117	220	H
3	* 2.39	34.1	RMS	31.8	-25.6	0	40.3	54	-13.7	-	-	117	220	H
4	* 2.38972	34.37	RMS	31.8	-25.6	0	40.37	54	-13.43	-	-	117	220	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_00158717	10dB_ATT[9dB]	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	* 2.39	43.29	PK	31.8	-25.6	0	49.49	-	-	74	-21.51	213	398	V
2	* 2.38845	46.02	PK	31.8	-25.6	0	52.32	-	-	74	-21.68	213	398	V
3	* 2.39	33.3	RMS	31.8	-25.6	0	39.5	54	-14.5	-	-	213	398	V
4	* 2.38993	33.69	RMS	31.8	-25.6	0	39.89	54	-14.11	-	-	213	398	V

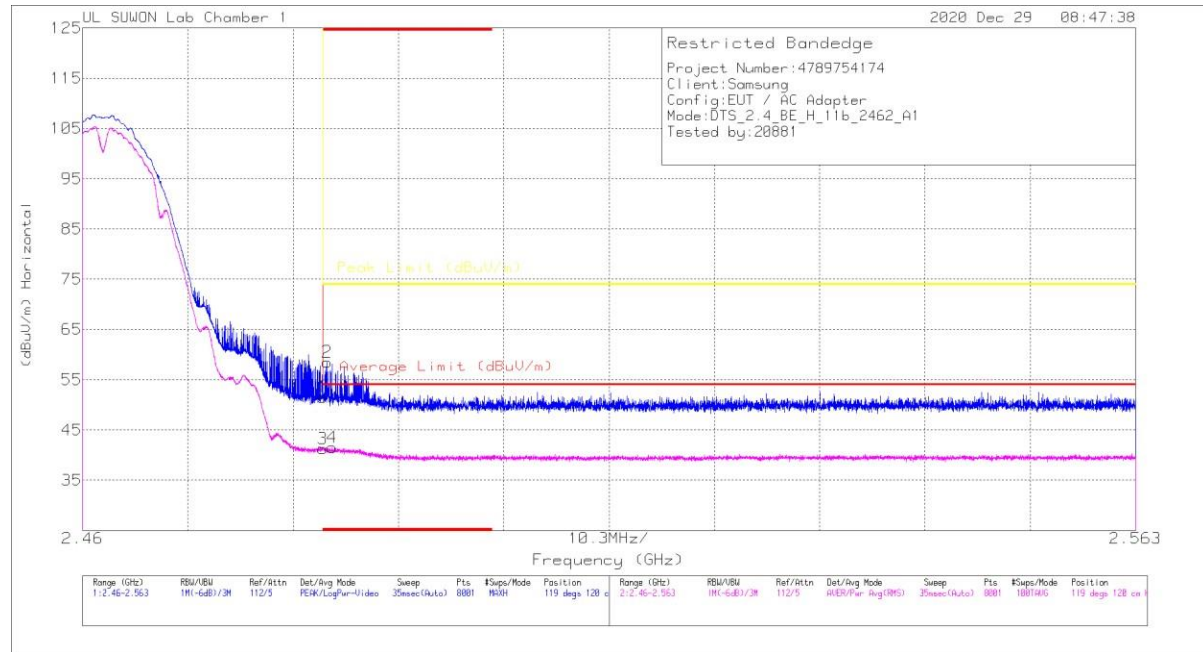
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

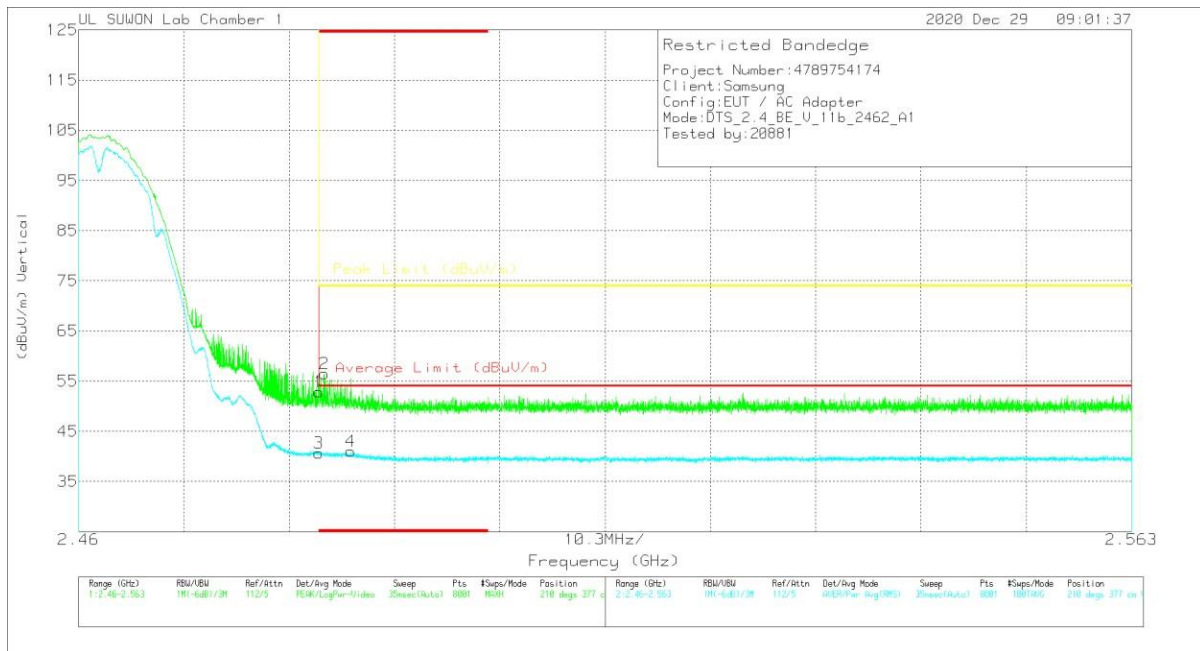


Trace Markers

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)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.48351	44.85	PK	32	-25.3	0	51.56	-	-	74	-22.44	119	120	H
2	* 2.48399	51.64	PK	32	-25.3	0	56.54	-	-	74	-15.46	119	120	H
3	* 2.48351	34.6	RMS	32	-25.3	0	41.5	54	-12.7	-	-	119	120	H
4	* 2.48442	34.75	RMS	32	-25.2	0	41.55	54	-12.45	-	-	119	120	H

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

VERTICAL RESULT



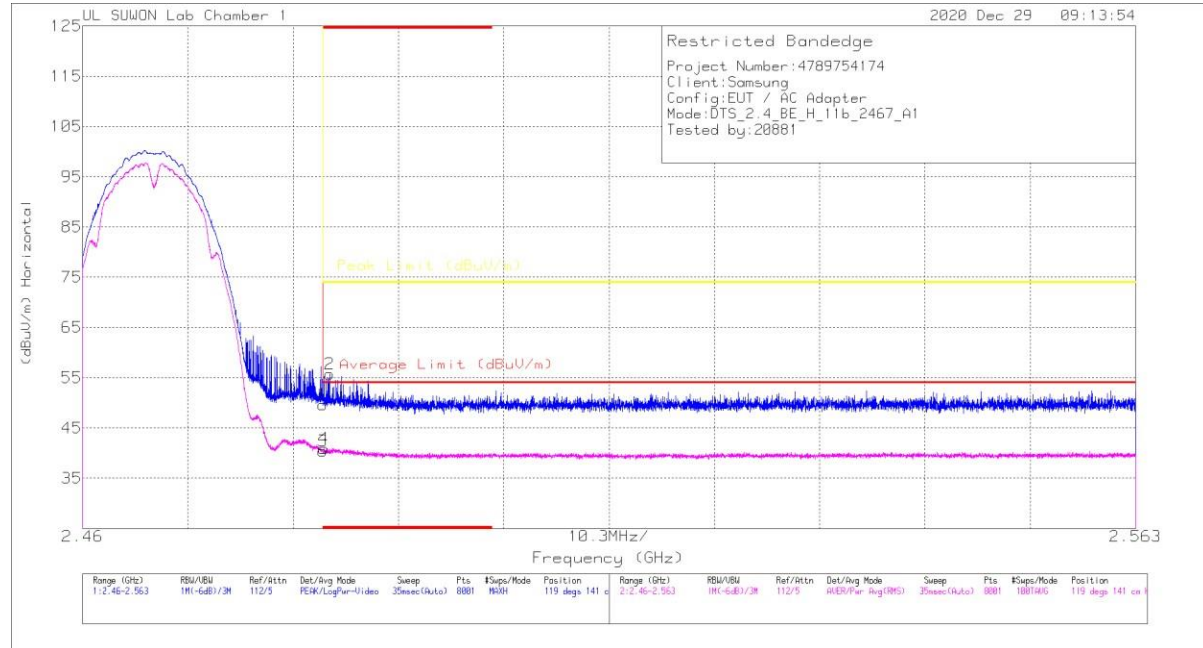
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00158717	10dB_ATT[9dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (m)	Polarity
1	* 2.48351	49.18	PK	32	-25.3	0	52.08	-	-	74	-21.12	210	377	V
2	* 2.48405	49.78	PK	32	-25.3	0	55.48	-	-	74	-17.52	210	377	V
3	* 2.48351	34	RMS	32	-25.3	0	40.7	54	-13.3	-	-	210	377	V
4	* 2.4866	34.29	RMS	32	-25.3	0	40.99	54	-13.01	-	-	210	377	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**

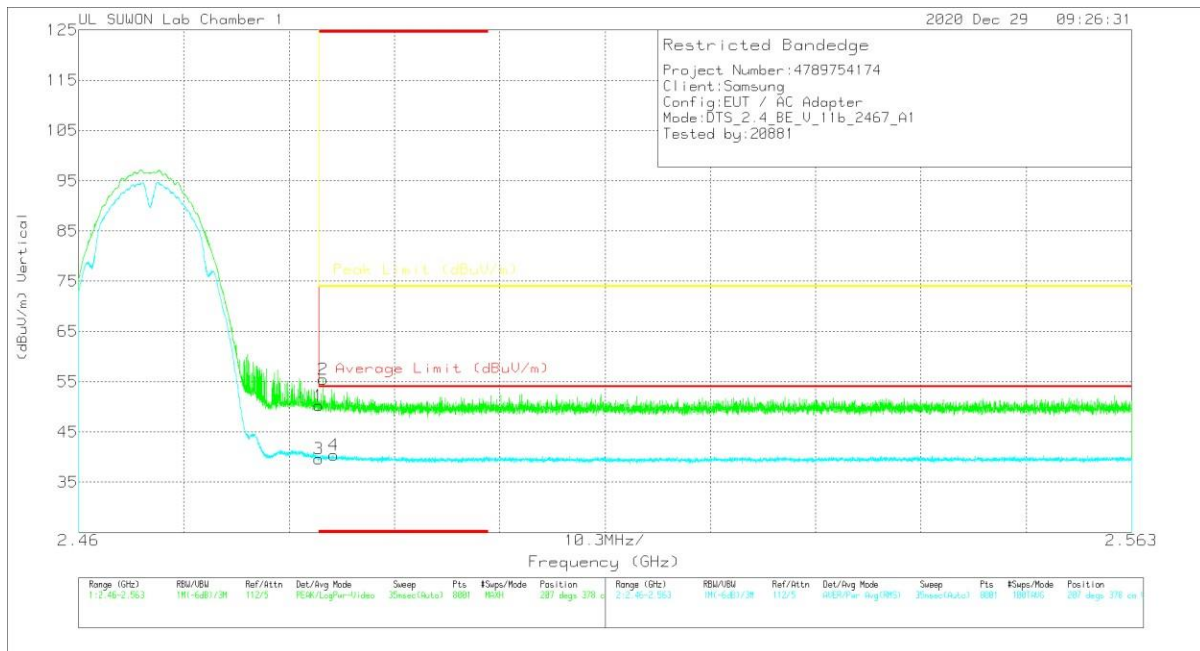
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1000_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	*2.48351	42.97	PK	32	-25.3	0	49.67	-	-	74	-24.33	119	141	H
2	*2.48416	49.08	PK	32	-25.3	0	55.78	-	-	74	-18.22	119	141	H
3	*2.48351	33.69	RMS	32	-25.3	0	40.95	54	-13.61	-	-	119	141	H
4	*2.48359	34.25	RMS	32	-25.3	0	40.95	54	-13.05	-	-	119	141	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



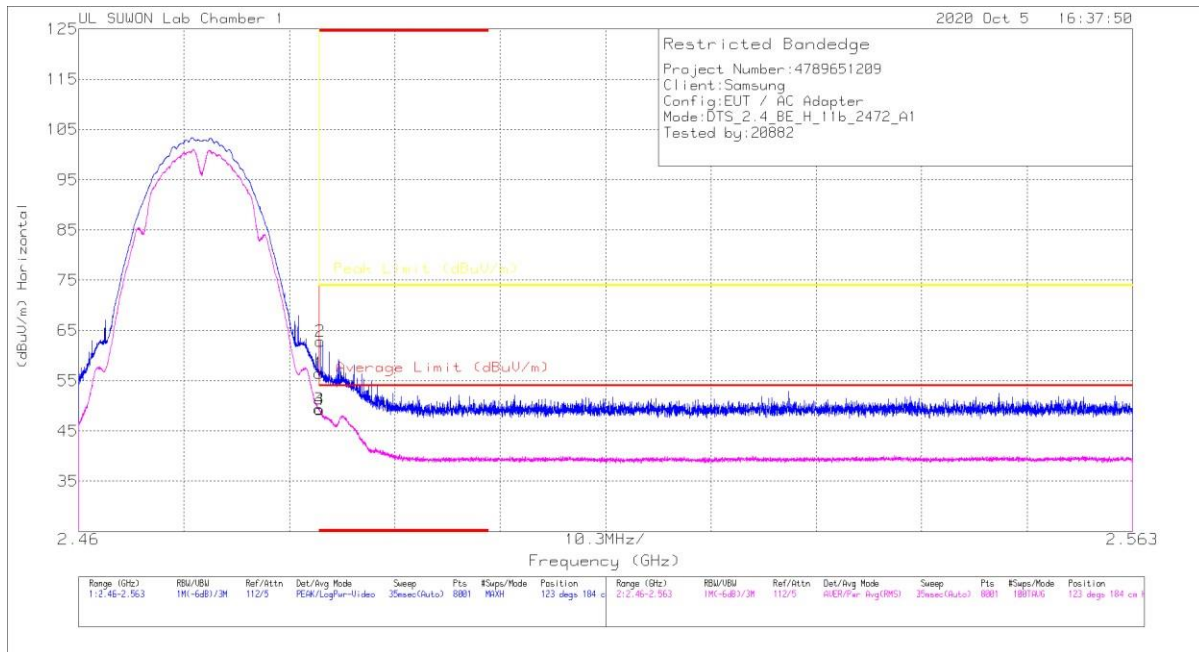
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1000_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Magn (dB)	Altitude (Degs)	Height (cm)	Polarity
1	*2.48351	43.52	PK	32	-25.3	0	50.22	-	-	74	-23.78	207	378	V
2	*2.48391	48.54	PK	32	-25.3	0	55.54	-	-	74	-18.46	207	378	V
3	*2.48351	32.99	RMS	32	-25.3	0	39.99	54	-14.31	-	-	207	378	V
4	*2.48398	33.61	RMS	32	-25.2	0	40.41	54	-13.59	-	-	207	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

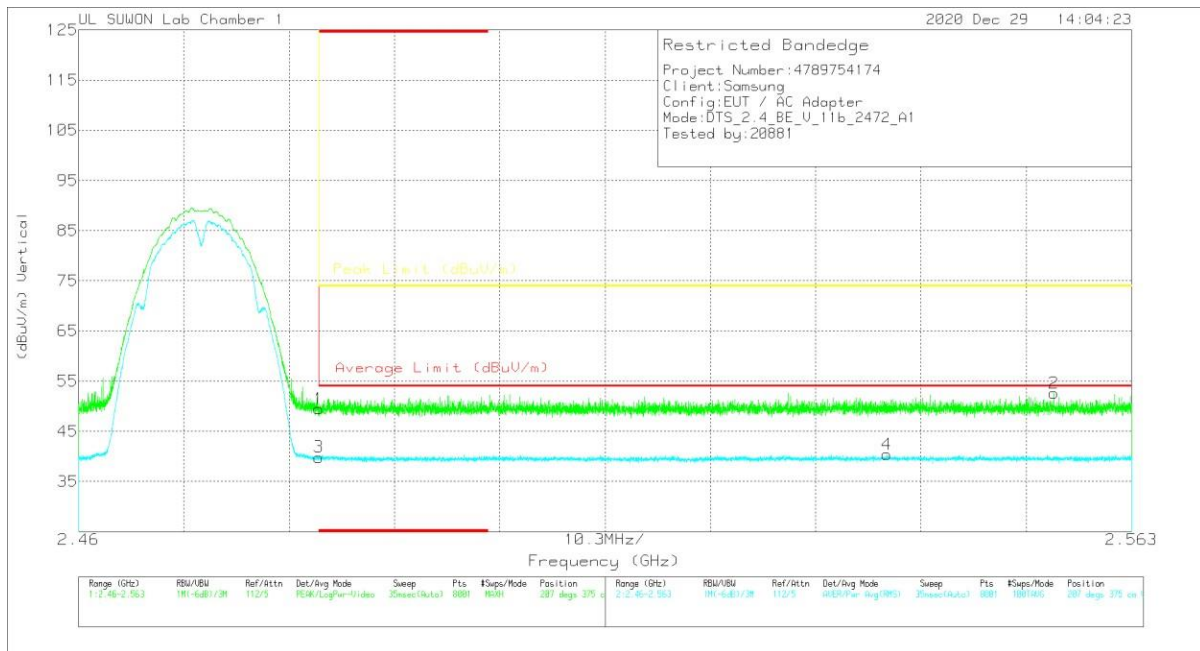
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.48351	49.73	PK	32	-25.2	0	56.53	-	-	74	-17.47	123	184	H
2	* 2.4836	56.04	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_00158717	10dB_ATT[9dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (m)	Polarity
1	*2.48351	42.77	PK	32	-25.3	0	49.47	-	-	74	-21.33	207	375	V
2	2.55542	45.68	PK	32.1	-25.1	0	52.68	-	-	74	-21.32	207	375	V
3	*2.48351	33.15	RMS	32	-25.3	0	39.85	54	-14.15	-	-	207	375	V
4	2.53908	33.46	RMS	32	-25.1	0	40.36	54	-13.64	-	-	207	375	V

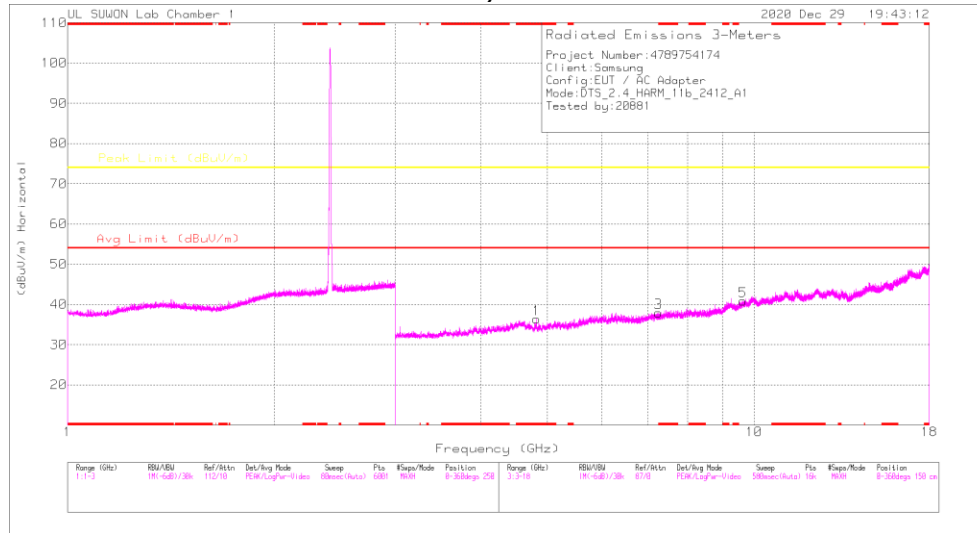
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

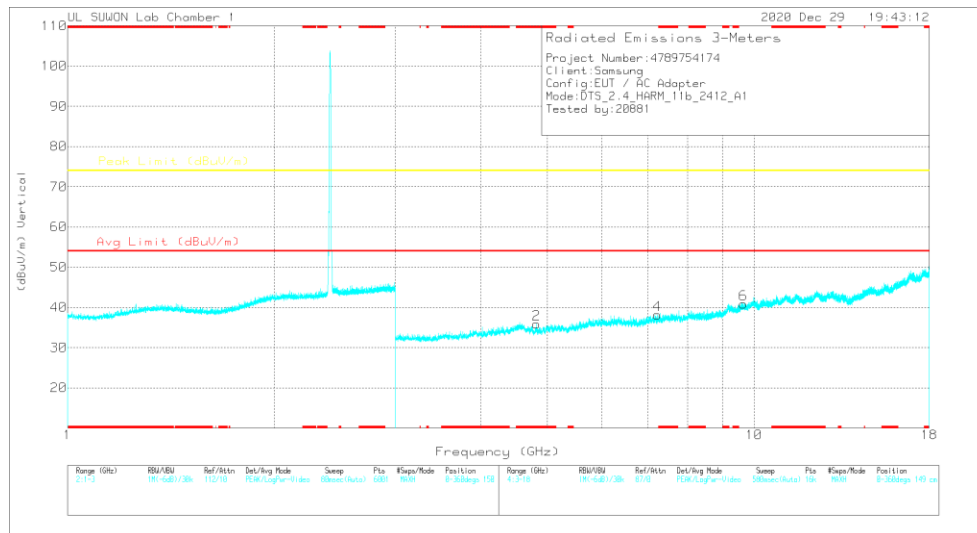
RMS - RMS detection

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

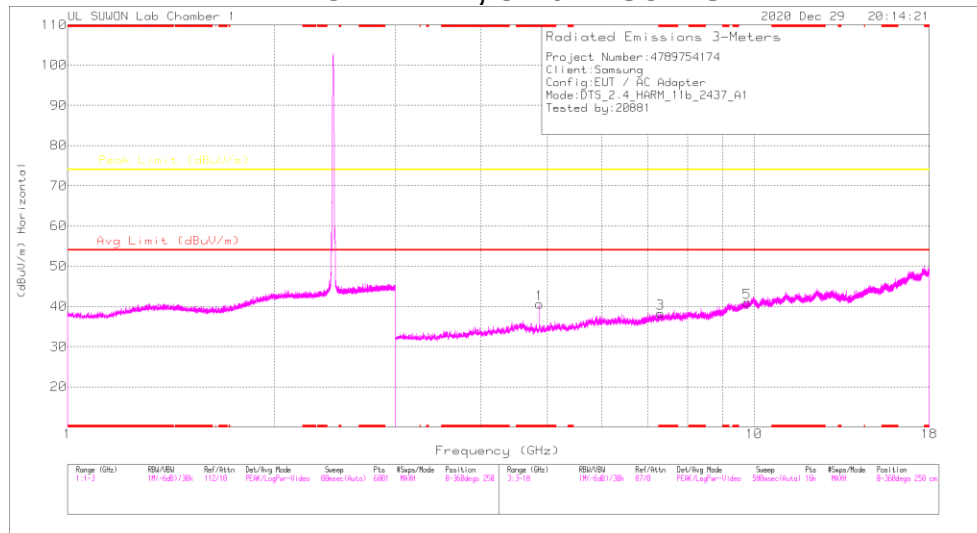
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82405	42.5	PK2	34.1	-31.3	0	45.3	-	-	74	-28.7	115	100	H
* 4.8239	34.48	MAV1	34.1	-31.3	0	37.28	54	-16.72	-	-	115	100	H
* 4.82072	42.42	PK2	34.1	-31.3	0	45.22	-	-	74	-28.78	77	105	V
* 4.82399	33.39	MAV1	34.1	-31.3	0	36.19	54	-17.81	-	-	77	105	V
* 7.25698	38.33	PK2	35.8	-27.5	0	46.63	-	-	74	-27.37	0	100	H
* 7.25649	38.33	PK2	35.8	-27.5	0	46.63	-	-	74	-27.37	0	100	V
9.62939	35.21	PK2	37.2	-23.1	0	49.31	-	-	74	-24.69	0	100	H
9.62719	35.48	PK2	37.2	-23.1	0	49.58	-	-	74	-24.42	0	100	V

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

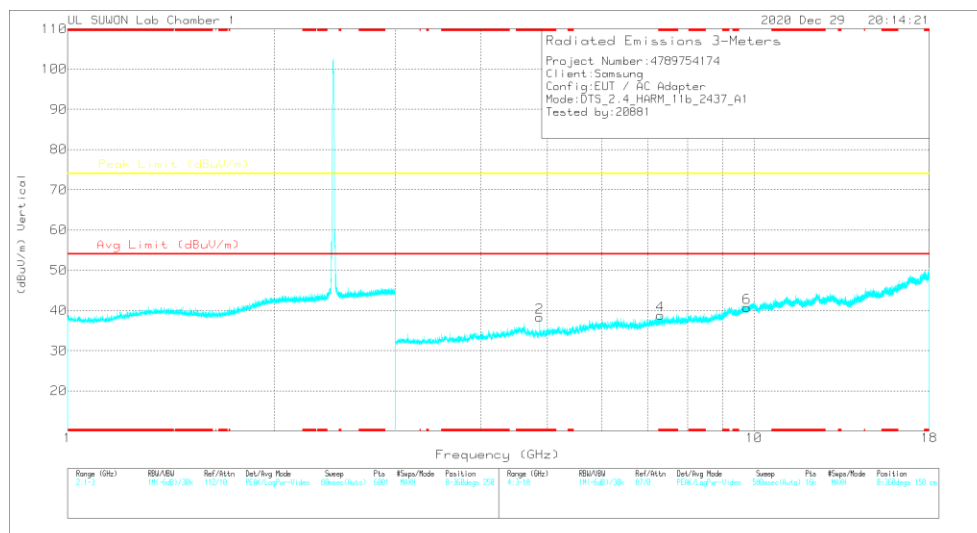
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

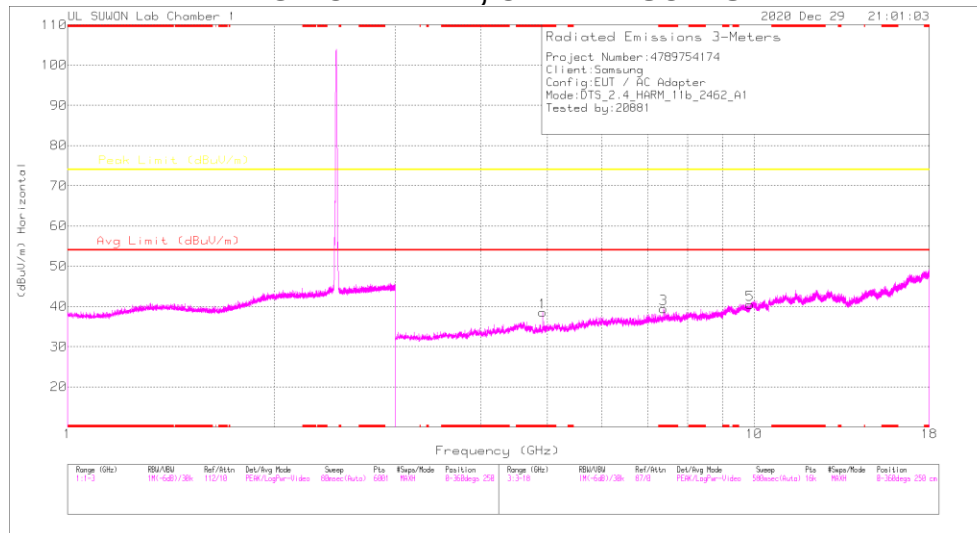
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

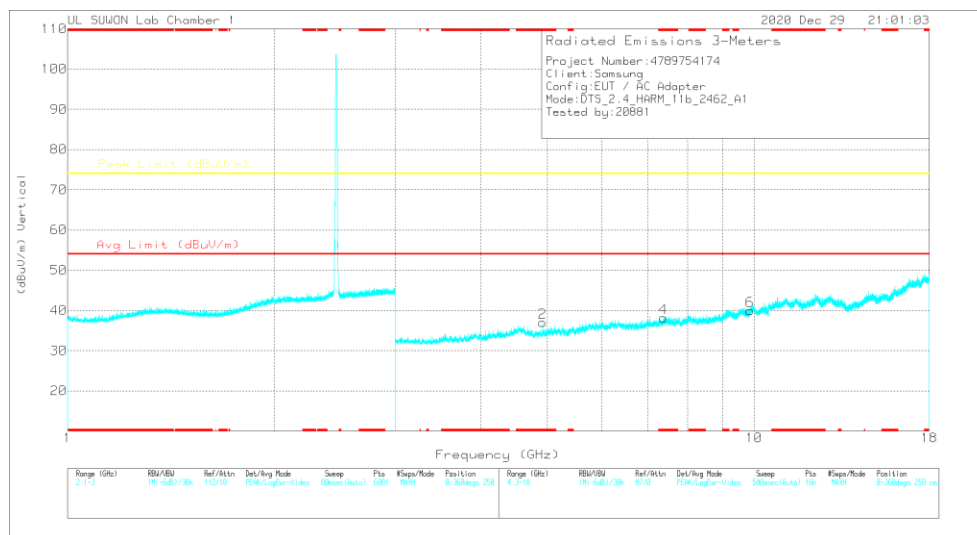
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87391	44.69	PK2	34.1	-31.3	0	47.49	-	-	74	-26.51	110	110	H
* 4.874	37.88	MAV1	34.1	-31.3	0	40.68	54	-13.32	-	-	110	110	H
* 4.87409	43.52	PK2	34.1	-31.3	0	46.32	-	-	74	-27.68	78	108	V
* 4.87397	36.29	MAV1	34.1	-31.3	0	39.09	54	-14.91	-	-	78	108	V
* 7.30865	38.95	PK2	35.8	-27.4	0	47.35	-	-	74	-26.65	170	138	H
* 7.31012	27.78	MAV1	35.8	-27.4	0	36.18	54	-17.82	-	-	170	138	H
* 7.31165	39.8	PK2	35.8	-27.4	0	48.2	-	-	74	-25.8	177	167	V
* 7.31174	28.52	MAV1	35.8	-27.4	0	36.92	54	-17.08	-	-	177	167	V
9.77114	35.48	PK2	37.5	-23.7	0	49.28	-	-	74	-24.72	0	100	H
9.77	35.23	PK2	37.5	-23.7	0	49.03	-	-	74	-24.97	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



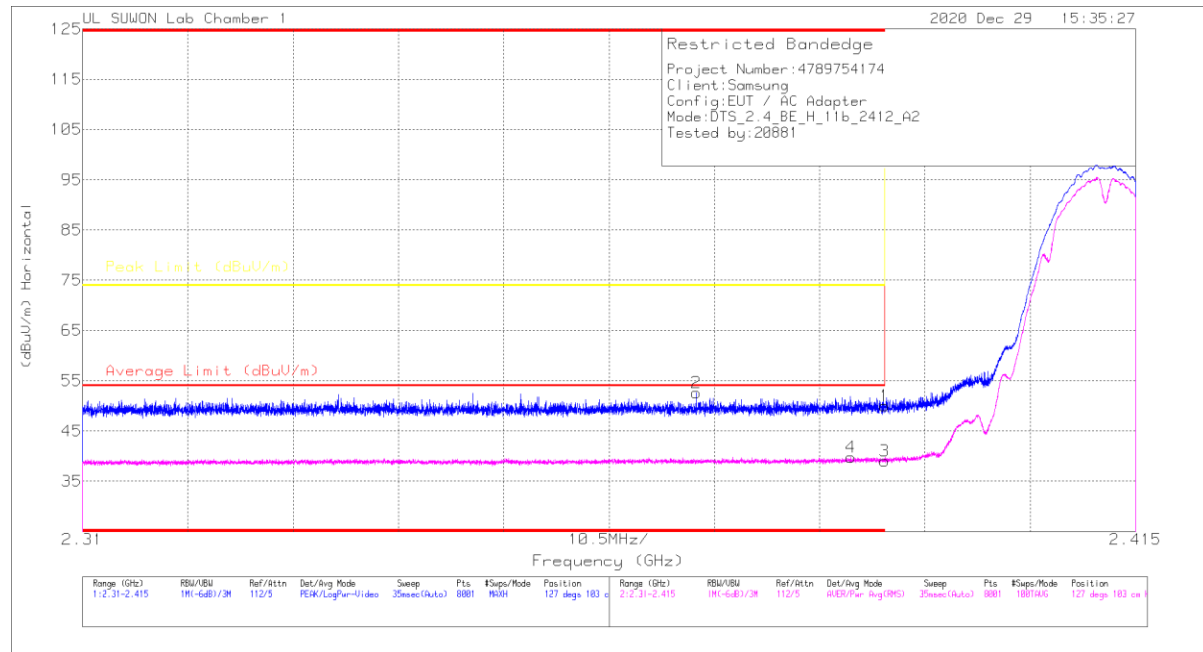
VERTICAL

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
* 4.92348	49.28	PK2	34.1	-31.4	0	51.98	-	-	74	-22.02	117	108	H
* 4.92396	39.46	MAV1	34.1	-31.4	0	42.16	54	-11.84	-	-	117	108	H
* 4.92369	42.85	PK2	34.1	-31.4	0	45.55	-	-	74	-28.45	76	113	V
* 4.9239	35.21	MAV1	34.1	-31.4	0	37.91	54	-16.09	-	-	76	113	V
* 7.38798	38.05	PK2	35.8	-27	0	46.85	-	-	74	-27.15	216	126	H
* 7.38504	27.02	MAV1	35.8	-27	0	35.82	54	-18.18	-	-	216	126	H
* 7.38663	39.15	PK2	35.8	-27	0	47.95	-	-	74	-26.05	188	245	V
* 7.38681	27.7	MAV1	35.8	-27	0	36.5	54	-17.5	-	-	188	245	V
9.87049	34.93	PK2	37.6	-22.6	0	49.93	-	-	74	-24.07	0	100	H
9.86738	35.03	PK2	37.6	-22.7	0	49.93	-	-	74	-24.07	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

1TX Antenna 2 MODE**BANDEDGE (LOW CHANNEL, CH 1)****HORIZONTAL RESULT****Trace Markers**

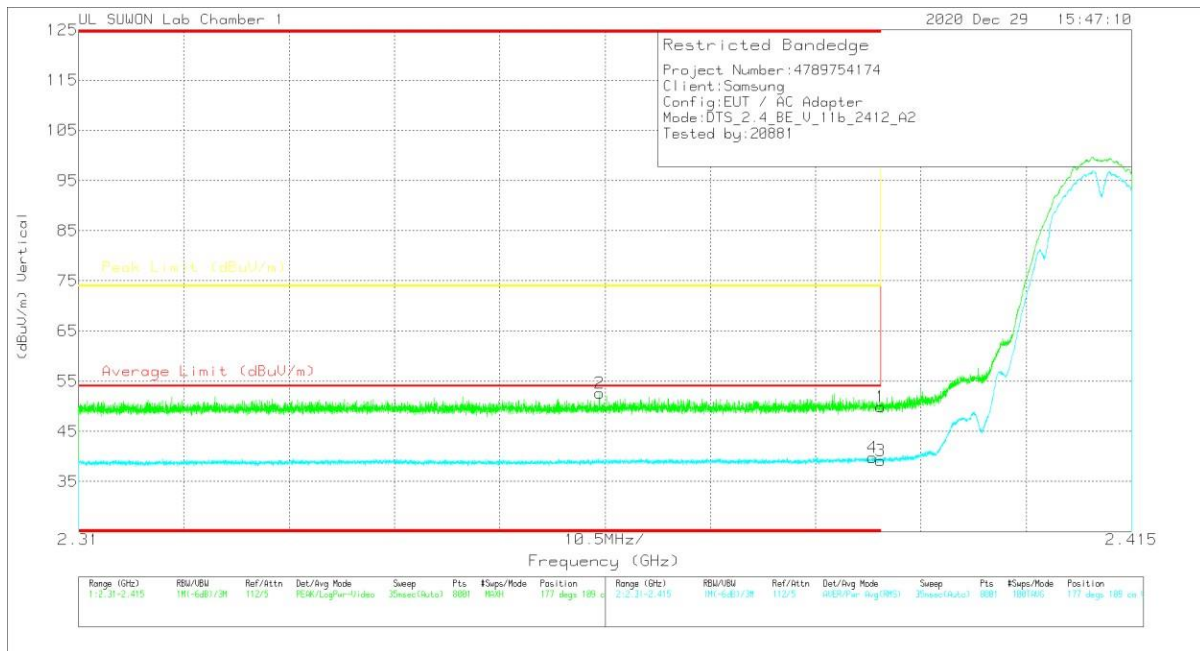
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00166717	10dB_ATT[96]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	43.86	PK	31.8	-25.6	0	50.06	-	-	74	-23.94	127	103	H
2	* 2.37119	48.47	PK	31.7	-25.6	0	52.57	-	-	74	-21.43	127	103	H
3	* 2.39	32.82	RMS	31.8	-25.6	0	39.02	54	-14.98	-	-	127	103	H
4	* 2.38661	33.53	RMS	31.8	-25.6	0	39.73	54	-14.27	-	-	127	103	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



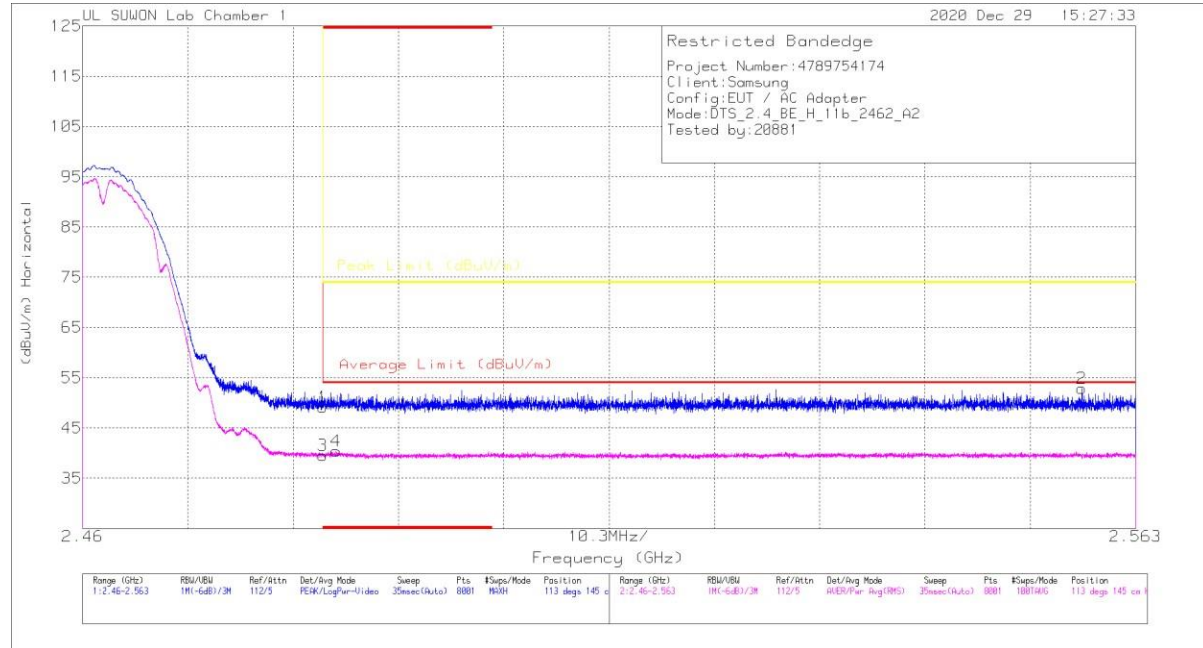
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_001587217	10dB_ATT[9dB]	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	43.07	PK	31.8	-25.6	0	49.07	-	-	74	-21.13	177	109	V
2	* 2.36194	46.54	PK	31.7	-25.6	0	52.64	-	-	74	-21.36	177	109	V
3	* 2.39	32.91	RMS	31.8	-25.6	0	39.11	54	-14.89	-	-	177	109	V
4	* 2.38914	33.5	RMS	31.8	-25.5	0	39.8	54	-14.2	-	-	177	109	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**

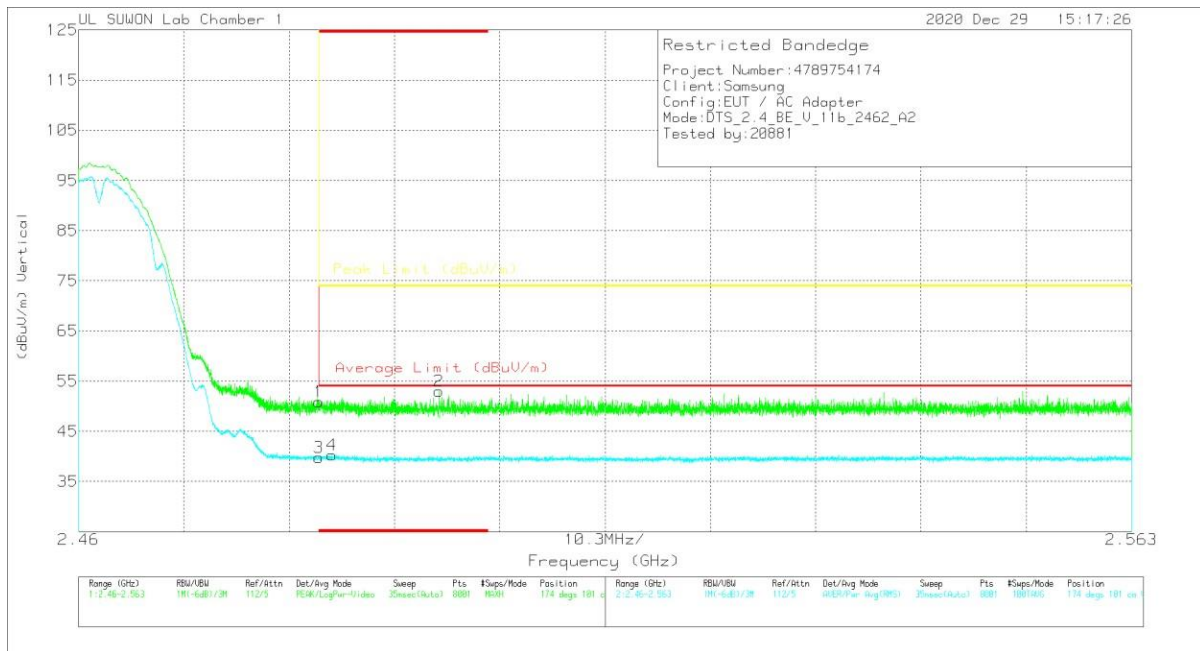
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1000_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.48351	42.48	PK	32	-25.3	0	49.18	-	-	74	-24.82	113	145	H
2	2.55776	45.94	PK	32.1	-25.2	0	52.84	-	-	74	-21.16	113	145	H
3	* 2.48351	32.83	RMS	32	-25.3	0	39.33	54	-14.47	-	-	113	145	H
4	* 2.48381	33.59	RMS	32	-25.2	0	40.39	54	-13.61	-	-	113	145	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



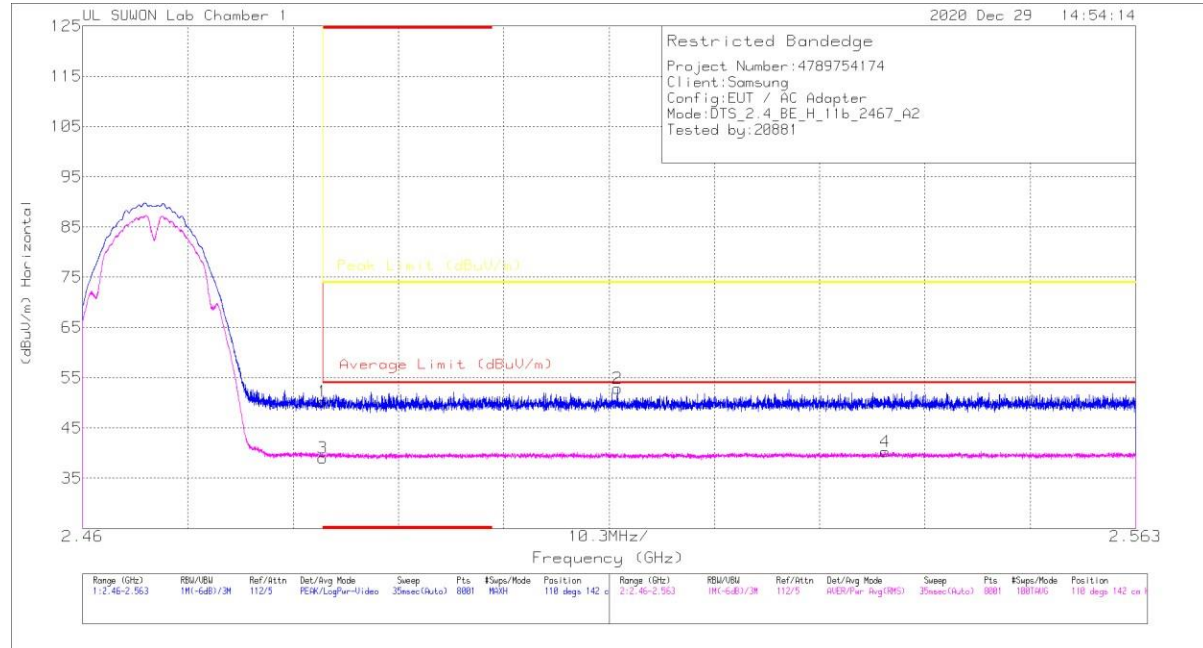
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00158717	10dB_ATT[9dB]	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	44.14	PK	32	-25.3	0	50.04	-	-	74	-23.16	174	101	V
2	* 2.49525	46.25	PK	32	-25.2	0	53.05	-	-	74	-20.95	174	101	V
3	* 2.48351	33.05	RMS	32	-25.3	0	39.75	54	-14.25	-	-	174	101	V
4	* 2.48476	33.52	RMS	32	-25.2	0	40.32	54	-13.68	-	-	174	101	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**

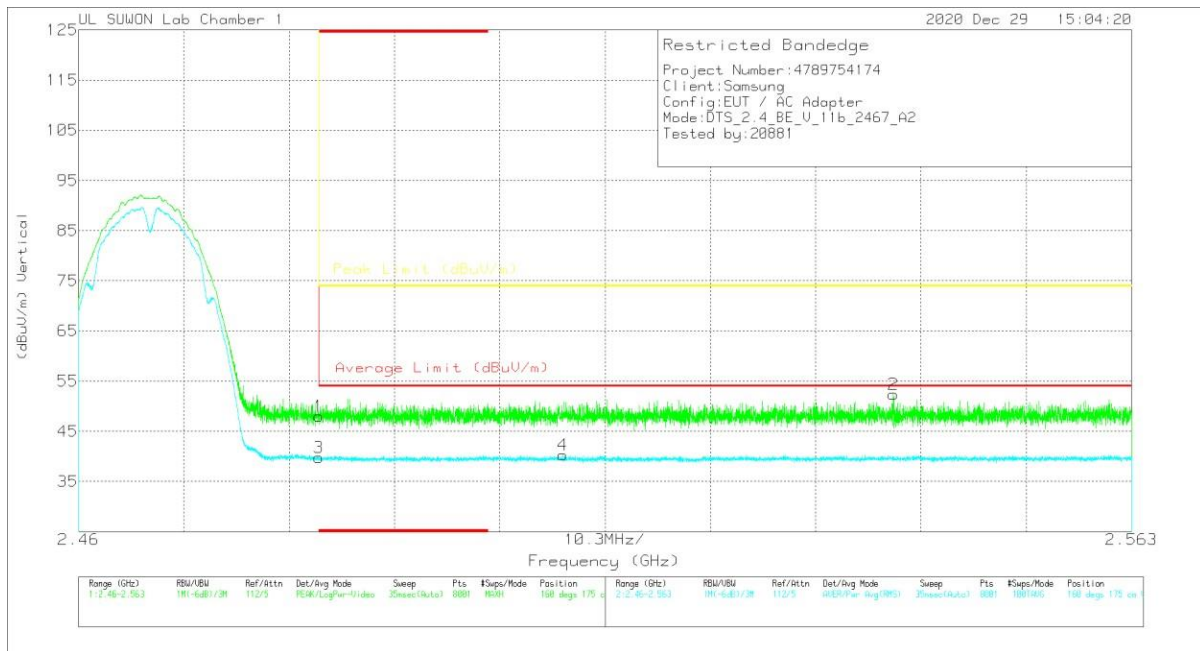
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.48351	43.56	PK	32	-25.3	0	50.26	-	-	74	-23.74	110	142	H
2	* 2.5123	46.04	PK	32	-25.2	0	52.84	-	-	74	-21.16	110	142	H
3	* 2.48351	32.35	RMS	32	-25.3	0	39.05	54	-14.95	-	-	110	142	H
4	2.53852	33.42	RMS	32	-25.1	0	40.32	54	-13.68	-	-	110	142	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_00158717	10dB_ATT[9dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (cm)	Polarity
1	*2.48351	41.33	PK	32	-25.3	0	40.03	-	-	74	-25.97	160	175	V
2	2.53971	45.53	PK	32	-25.1	0	52.43	-	-	74	-21.57	160	175	V
3	*2.48351	33.12	RMS	32	-25.3	0	39.82	54	-14.18	-	-	160	175	V
4	2.50734	33.43	RMS	32	-25.1	0	40.33	54	-13.67	-	-	160	175	V

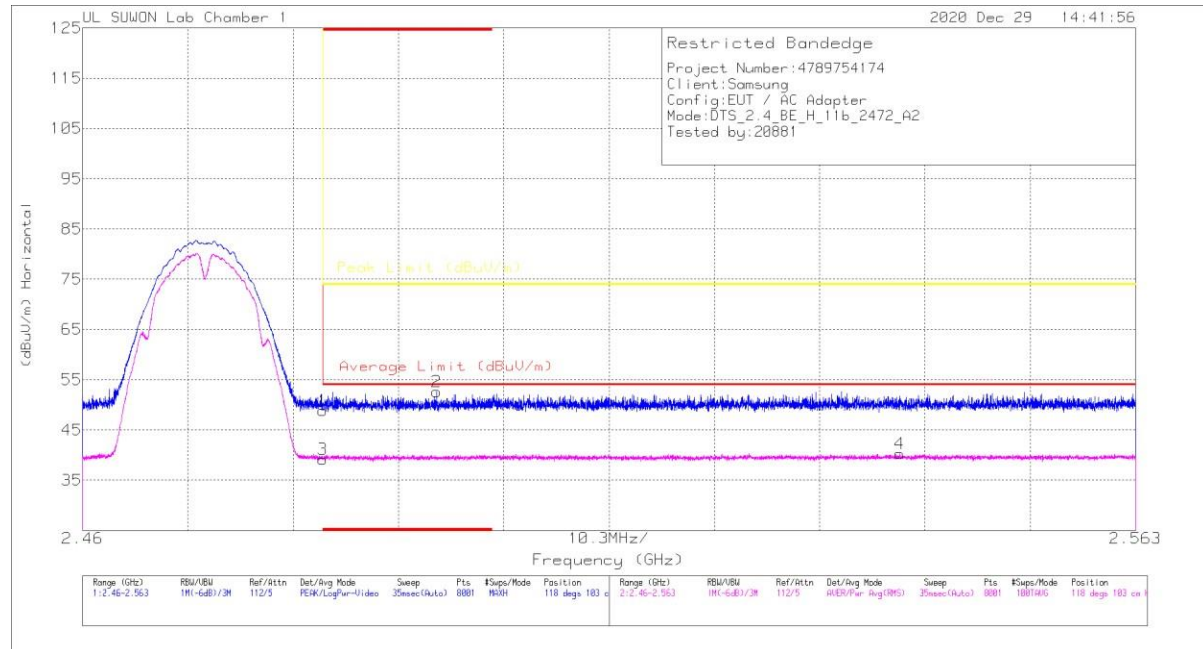
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

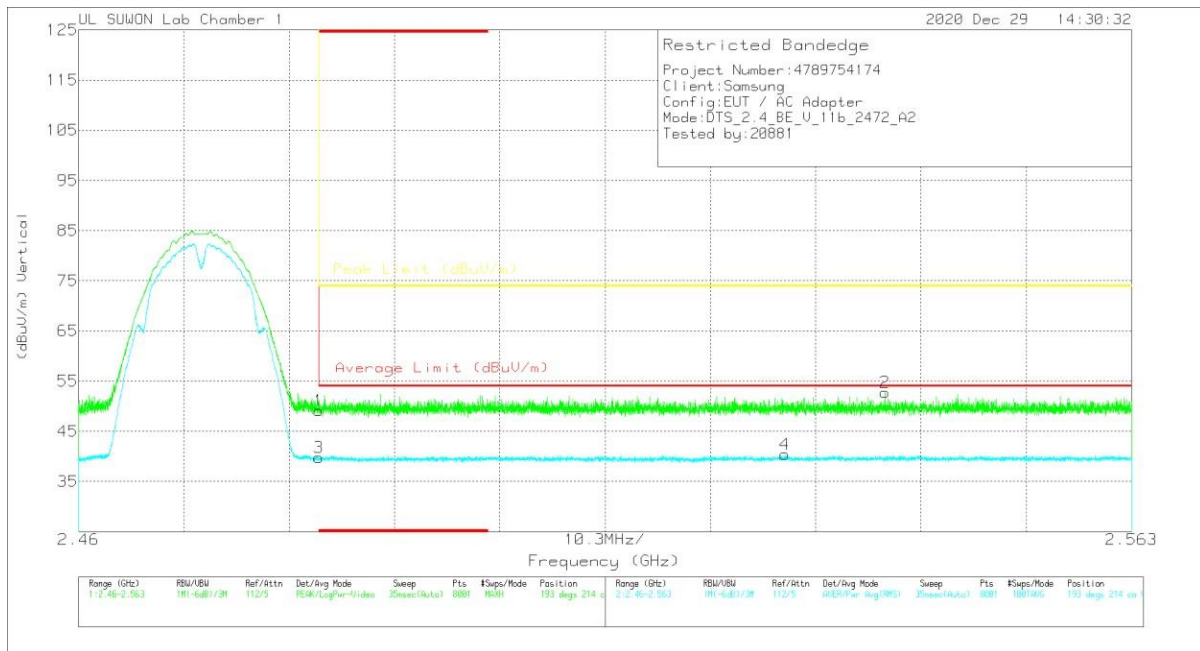


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	100B_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV)	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	-25.3	0	48.9	-	-	74	-25.1	118	103	H
2	* 2.49466	45.85	PK	32	-25.2	0	52.65	-	-	74	-21.35	118	103	H
3	* 2.48351	32.48	RMS	32	-25.3	0	39.18	54	-14.82	-	-	118	103	H
4	2.55994	38.4	RMS	32	-25.1	0	40.3	54	-13.7	-	-	118	103	H

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

VERTICAL RESULT



Trace Markers

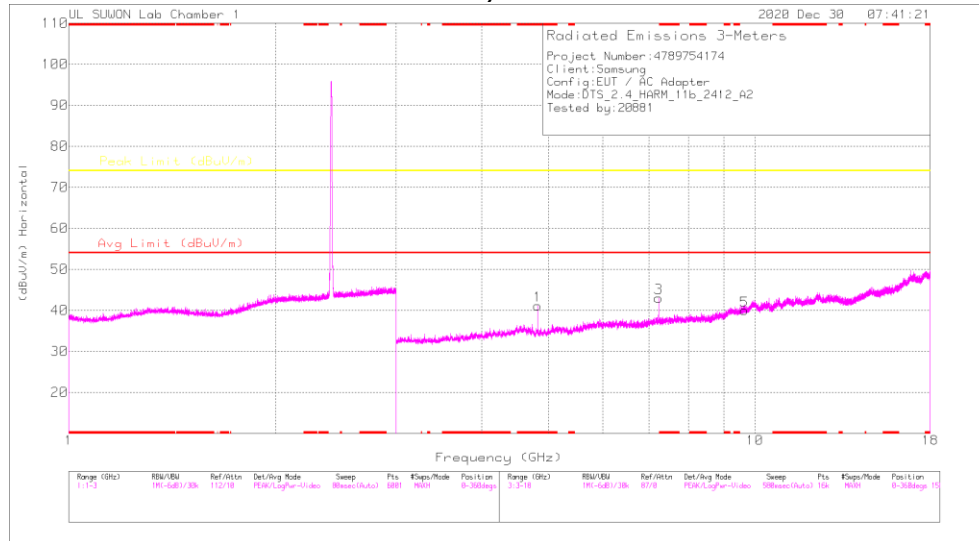
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00158717	10dB_ATT[9dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (m)	Polarity
1	*2.46351	42.40	PK	32	-25.3	0	49.10	-	-	74	-21.64	193	214	V
2	2.5389	45.9	PK	32	-25.1	0	52.8	-	-	74	-21.2	193	214	V
3	*2.48351	33.07	RMS	32	-25.3	0	39.77	54	-14.23	-	-	193	214	V
4	2.52909	33.49	RMS	32	-25.1	0	40.39	54	-13.61	-	-	193	214	V

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

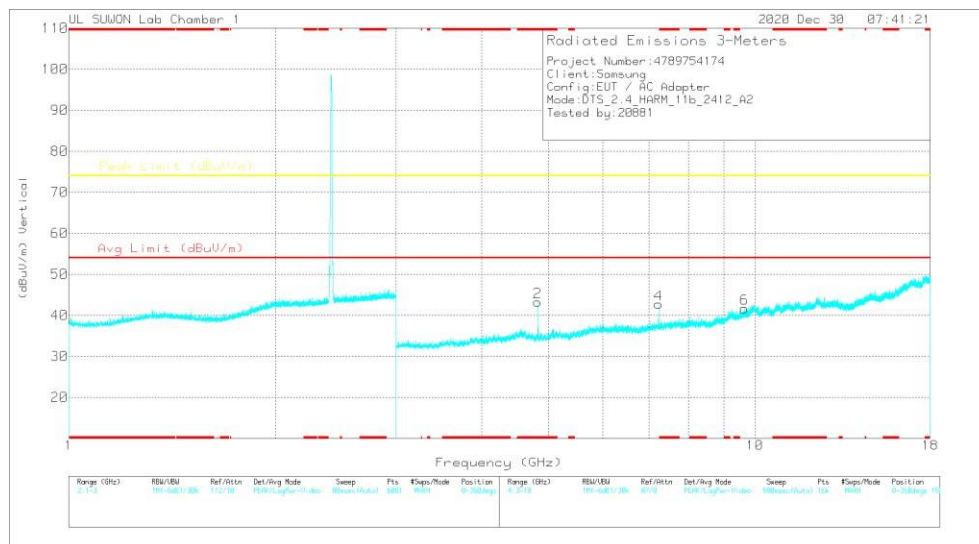
PK - Peak detector

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

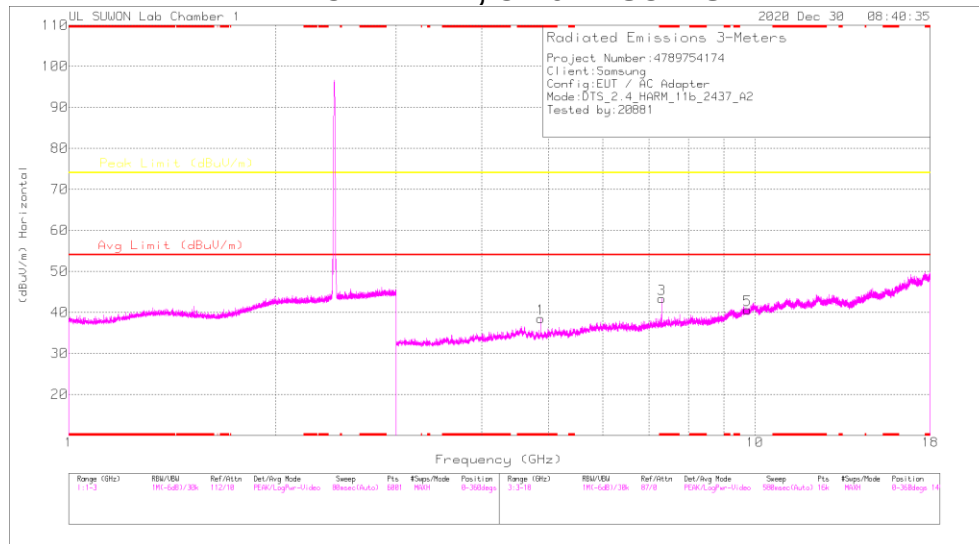
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82408	45.31	PK2	34.1	-31.3	0	48.11	-	-	74	-25.89	114	114	H
* 4.82404	38.78	MAV1	34.1	-31.3	0	41.58	54	-12.42	-	-	114	114	H
* 4.8241	46.32	PK2	34.1	-31.3	0	49.12	-	-	74	-24.88	137	109	V
* 4.824	40.5	MAV1	34.1	-31.3	0	43.3	54	-10.7	-	-	137	109	V
7.23758	41.6	PK2	35.8	-27.6	0	49.8	-	-	74	-24.2	157	115	H
7.23428	42.12	PK2	35.8	-27.5	0	50.42	-	-	74	-23.58	154	374	V
9.64925	35.21	PK2	37.2	-23.1	0	49.31	-	-	74	-24.69	0	100	H
9.64966	35.41	PK2	37.2	-23.1	0	49.51	-	-	74	-24.49	0	100	V

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

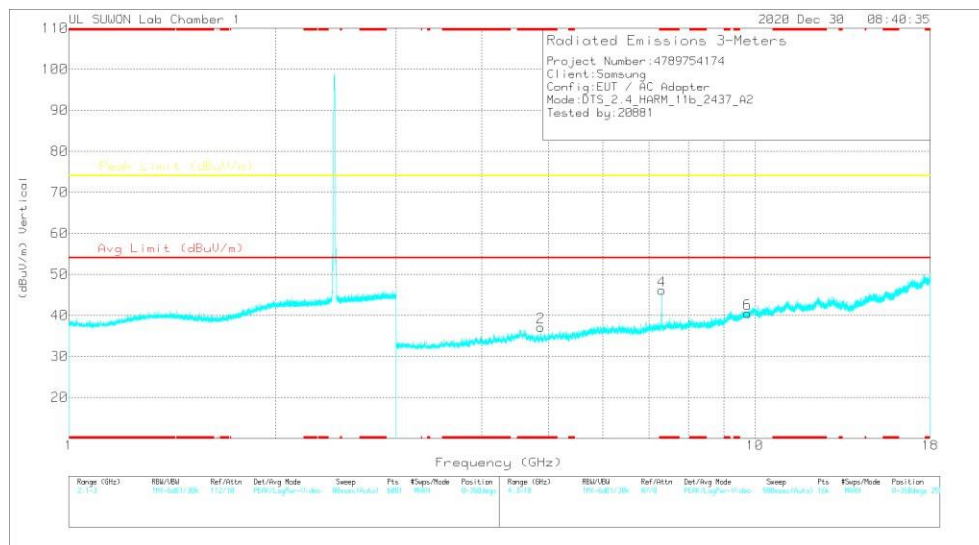
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

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

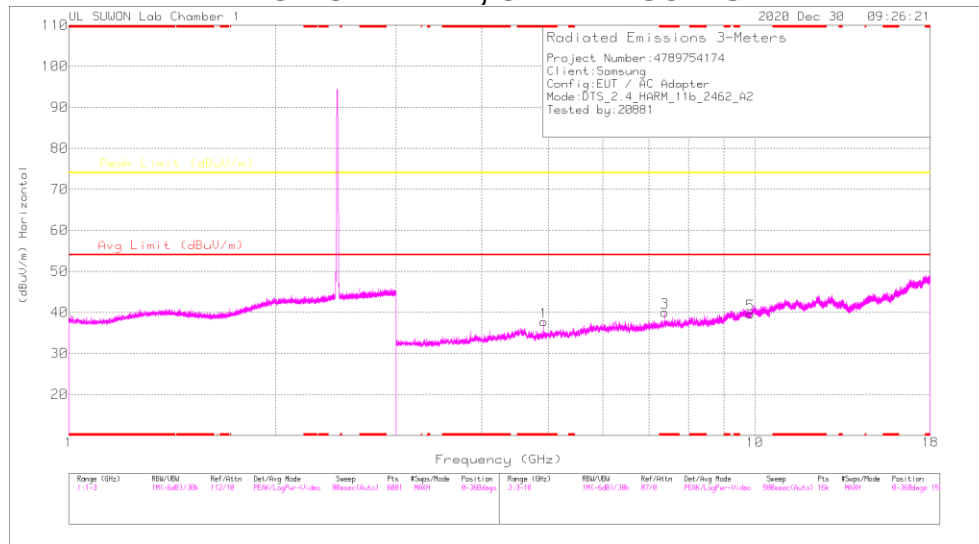
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87386	45.12	PK2	34.1	-31.3	0	47.92	-	-	74	-26.08	204	113	H
* 4.87402	37.47	MAV1	34.1	-31.3	0	40.27	54	-13.73	-	-	204	113	H
* 4.87396	43.93	PK2	34.1	-31.3	0	46.73	-	-	74	-27.27	131	107	V
* 4.87394	37.04	MAV1	34.1	-31.3	0	39.84	54	-14.16	-	-	131	107	V
* 7.3116	41.96	PK2	35.8	-27.4	0	50.36	-	-	74	-23.64	215	111	H
* 7.31196	33.86	MAV1	35.8	-27.4	0	42.26	54	-11.74	-	-	215	111	H
* 7.31252	43.13	PK2	35.8	-27.4	0	51.53	-	-	74	-22.47	178	257	V
* 7.30996	36.05	MAV1	35.8	-27.4	0	44.45	54	-9.55	-	-	178	257	V
9.74758	35.5	PK2	37.4	-23.7	0	49.2	-	-	74	-24.8	360	100	H
9.7463	35.37	PK2	37.4	-23.7	0	49.07	-	-	74	-24.93	360	100	V

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

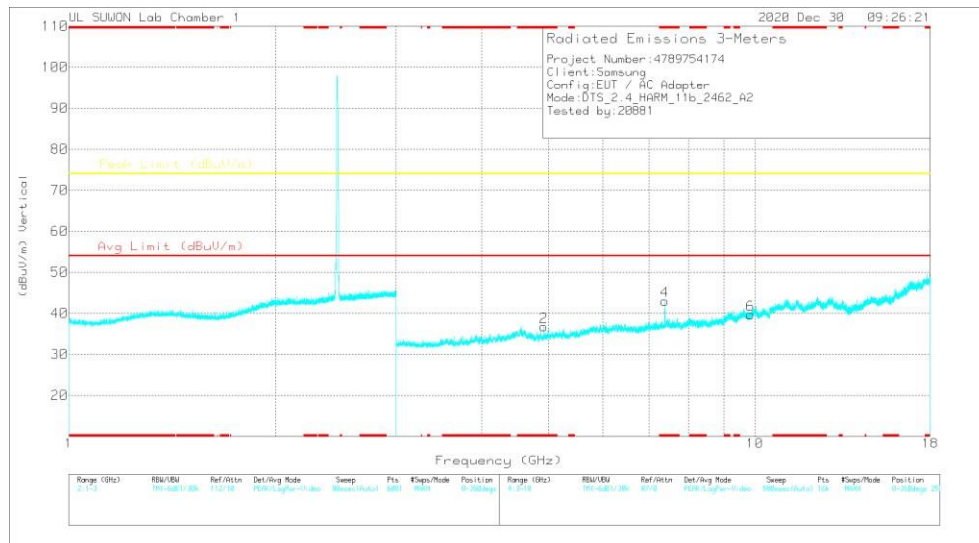
PK2 - KDB558074 Method: Maximum Peak

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_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
* 4.92395	43.87	PK2	34.1	-31.4	0	46.57	-	-	74	-27.43	120	114	H
* 4.92395	35.3	MAV1	34.1	-31.4	0	38	54	-16	-	-	120	114	H
* 4.92404	42.56	PK2	34.1	-31.5	0	45.16	-	-	74	-28.84	144	123	V
* 4.92402	34.48	MAV1	34.1	-31.5	0	37.08	54	-16.92	-	-	144	123	V
* 7.3849	40.04	PK2	35.8	-27	0	48.84	-	-	74	-25.16	157	107	H
* 7.38468	29.82	MAV1	35.8	-27	0	38.62	54	-15.38	-	-	157	107	H
* 7.38494	41.18	PK2	35.8	-27	0	49.98	-	-	74	-24.02	176	273	V
* 7.38516	32.86	MAV1	35.8	-27	0	41.66	54	-12.34	-	-	176	273	V
9.84618	35.72	PK2	37.6	-23	0	50.32	-	-	74	-23.68	0	100	H
9.84936	35.54	PK2	37.6	-23	0	50.14	-	-	74	-23.86	0	100	V

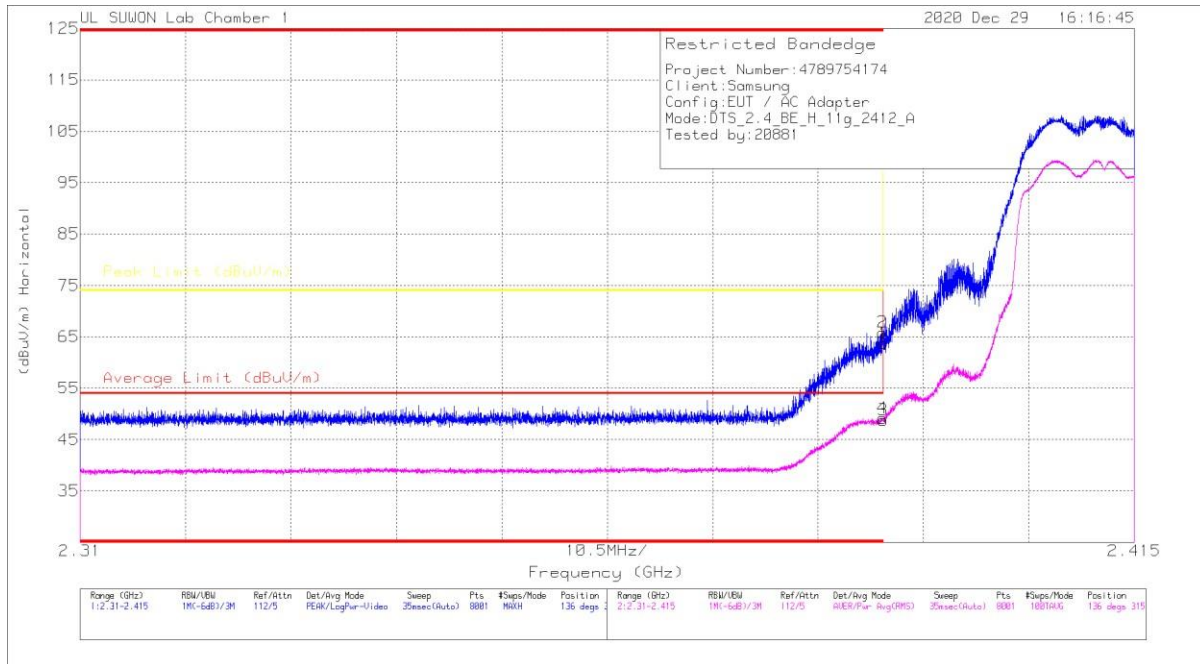
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAV1 - KDB558074 Option 1 Maximum RMS Average

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

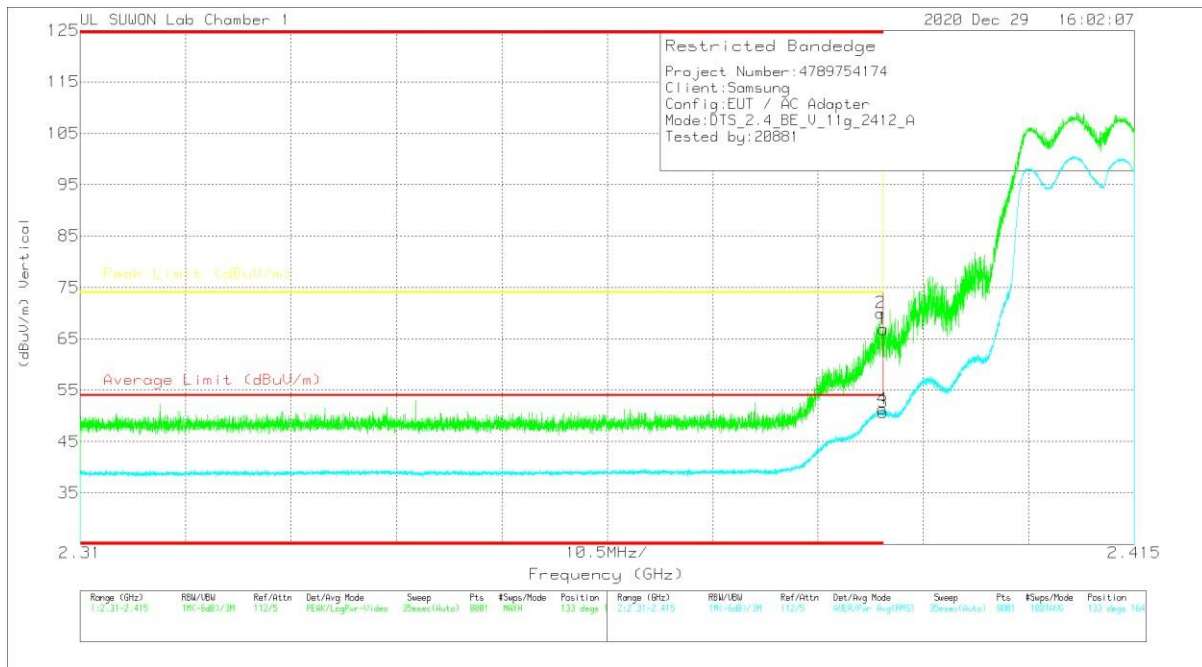
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (cm)	Polarity
1	* 2.39	57.52	PK	31.8	-25.6	0	63.72	-	-	74	-10.28	136	315	H
2	* 2.38992	59.67	PK	31.8	-25.6	0	65.87	-	-	74	-8.13	136	315	H
3	* 2.39	42.46	RMS	31.8	-25.6	11	48.77	54	-5.23	-	-	136	315	H
4	* 2.38992	42.82	RMS	31.8	-25.6	11	49.13	54	-4.87	-	-	136	315	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)	Altitude (m)	Height (m)	Polarity
1	* 2.39	60.61	PK	31.8	-25.6	0	65.97	-	-	74	-7.13	133	164	V
2	* 2.38971	63.83	PK	31.8	-25.6	0	70.03	-	-	74	-3.97	133	164	V
3	* 2.39	44.42	RMS	31.8	-25.6	11	50.73	54	-3.27	-	-	133	164	V
4	* 2.38993	45.06	RMS	31.8	-25.6	11	51.37	54	-2.63	-	-	133	164	V

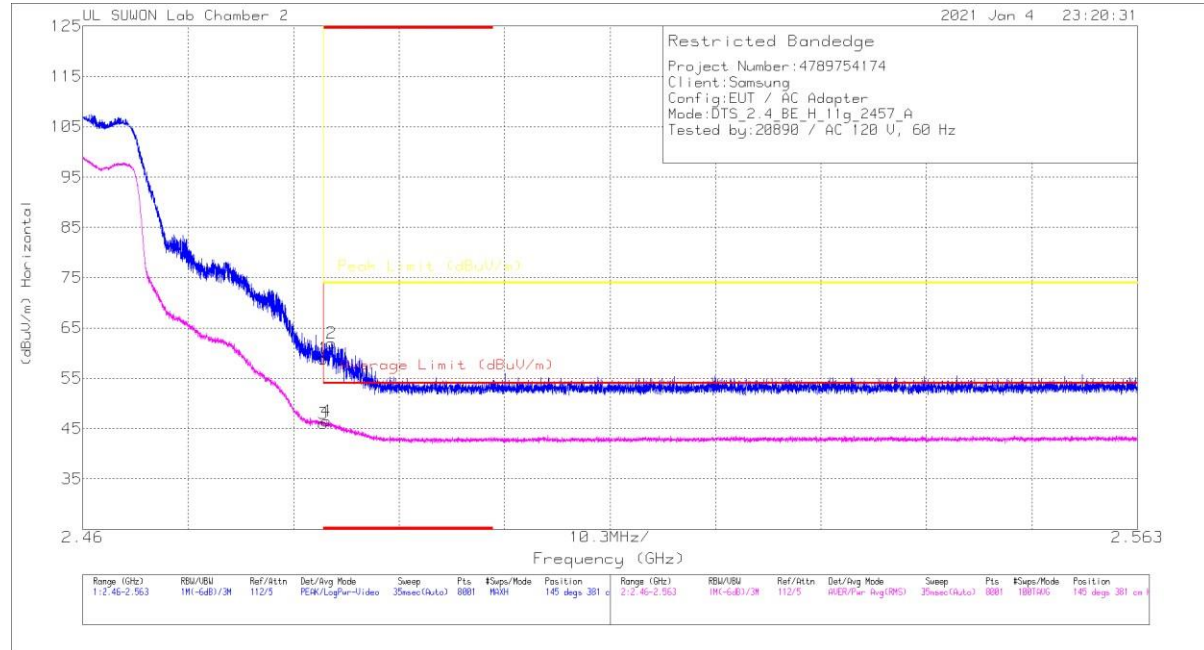
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT

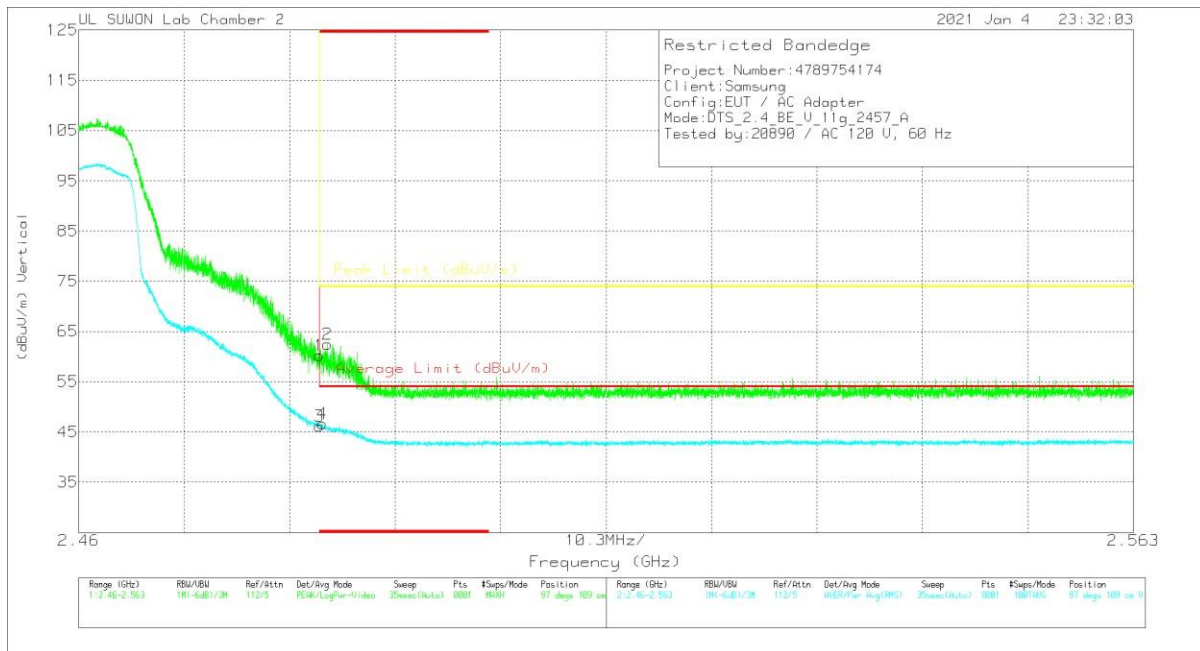


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00158724	100B_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	47.12	PK	32	-20.2	0	58.92	-	-	74	-15.08	145	381	H
2	* 2.48428	50.21	PK	32	-20.2	0	62.01	-	-	74	-11.99	145	381	H
3	* 2.48351	34.07	RMS	32	-20.2	.11	45.98	54	-8.02	-	-	145	381	H
4	* 2.48319	34.55	RMS	32	-20.2	.11	46.46	54	-7.54	-	-	145	381	H

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

VERTICAL RESULT



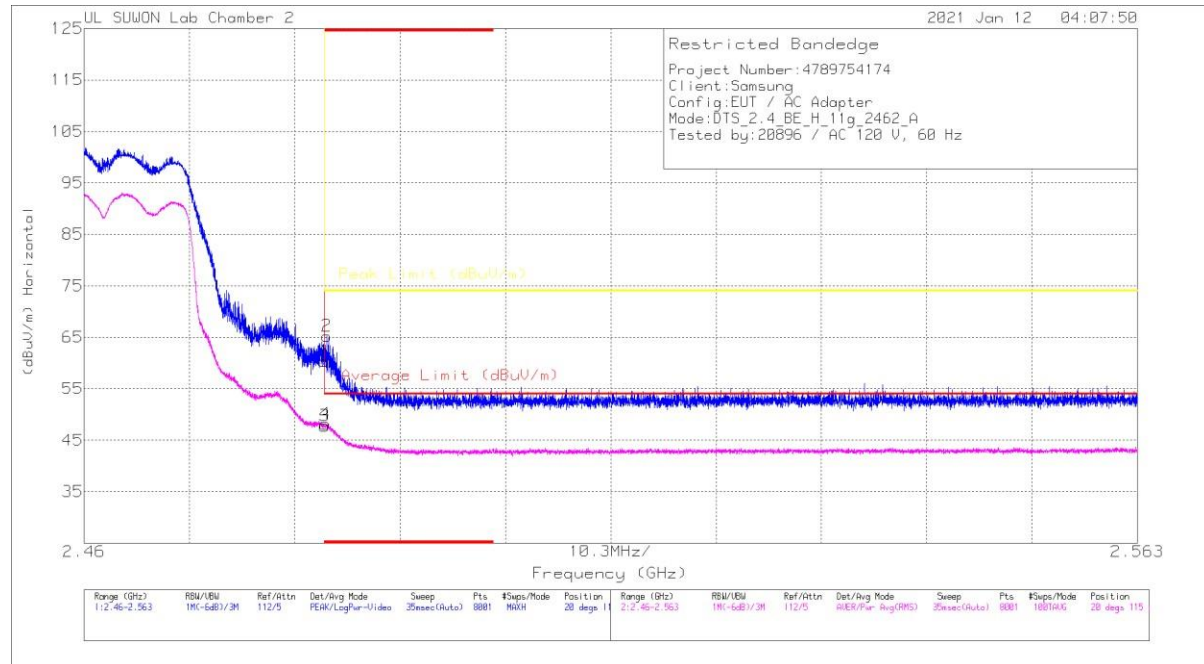
Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_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	48.41	PK	32	-20.2	0	68.21	-	-	74	-13.79	97	109	V
2	* 2.48343	50.7	PK	32	-20.2	0	62.5	-	-	74	-11.5	97	109	V
3	* 2.48351	34.27	RMS	32	-20.2	11	46.18	54	-7.82	-	-	97	109	V
4	* 2.48378	34.71	RMS	32	-20.2	11	46.62	54	-7.38	-	-	97	109	V

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

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

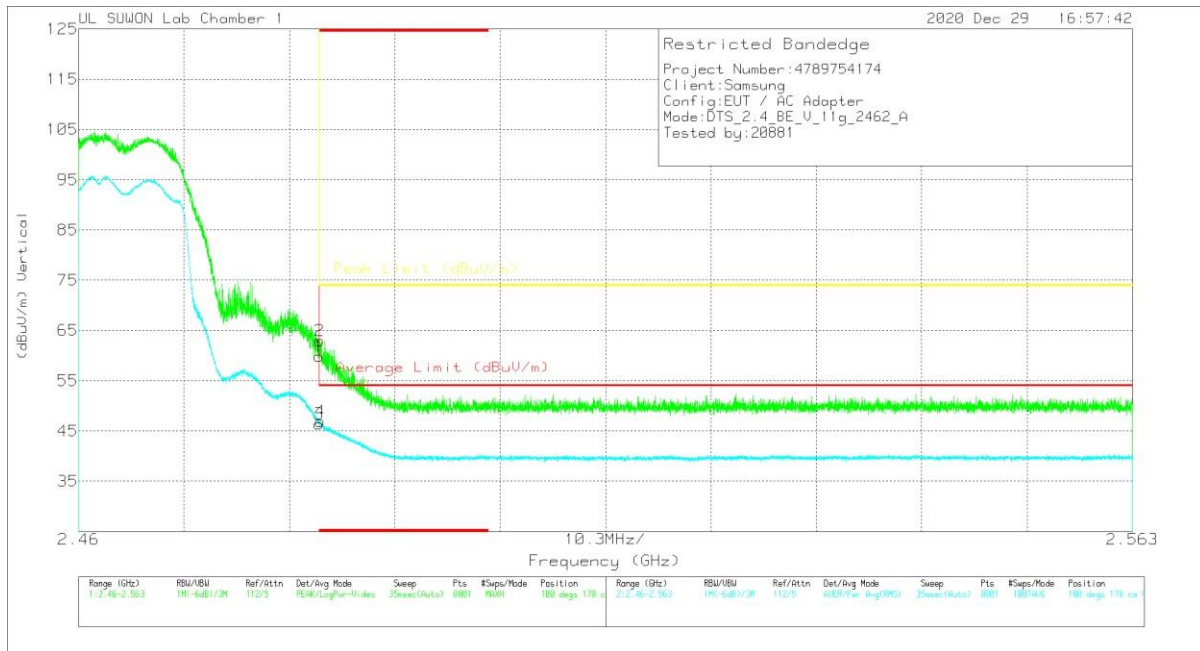


Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	3117_00368724	10dB_ATT[5dB]	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	48.5	PK	32	-20.2	0	60.3	-	-	74	-13.7	20	115	H
2	* 2.48373	53.44	PK	32	-20.2	0	65.24	-	-	74	-8.76	20	115	H
3	* 2.48351	35.89	RMS	32	-20.2	11	47.8	54	-6.2	-	-	20	115	H
4	* 2.48357	36.25	RMS	32	-20.2	11	48.16	54	-5.84	-	-	20	115	H

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

VERTICAL RESULT



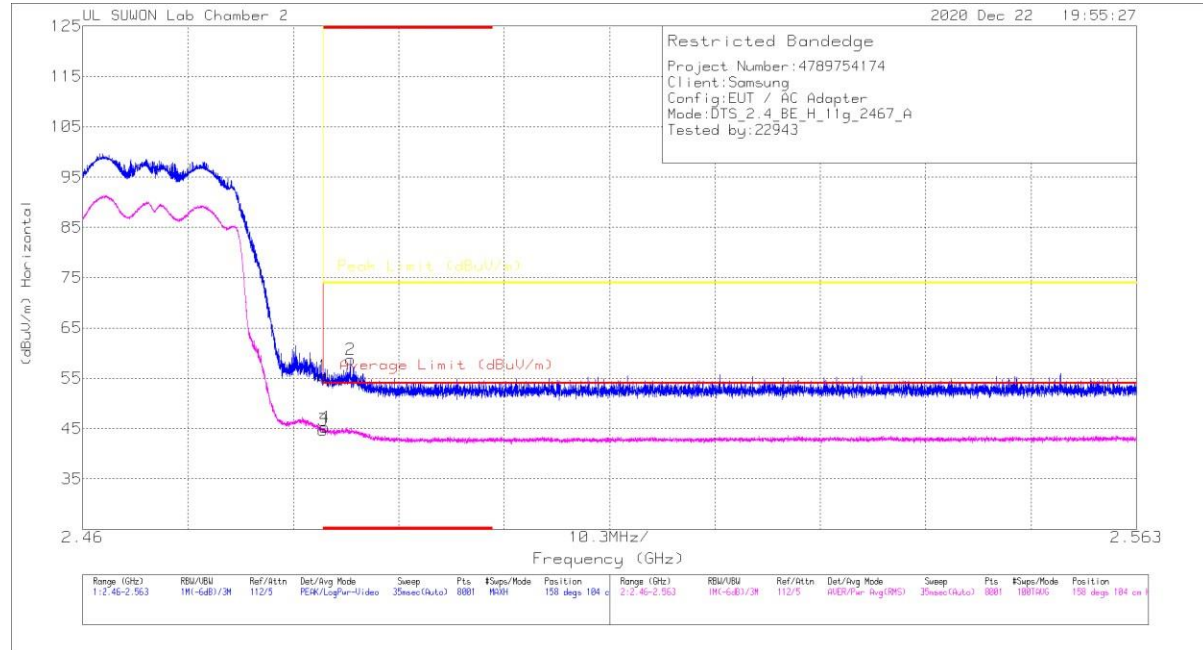
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV/m)	Det	3117_001587217	10dB_ATT[9dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (meters)	Height (cm)	Polarity
1	*2.48351	53.18	PK	32	-25.3	0	59.98	-	-	74	-14.12	100	178	V
2	*2.48354	55.23	PK	32	-25.3	0	62.93	-	-	74	-11.07	100	178	V
3	*2.48351	39.55	RMS	32	-25.3	11	46.36	54	-7.64	-	-	100	178	V
4	*2.48356	40.08	RMS	32	-25.3	11	46.89	54	-7.11	-	-	100	178	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**

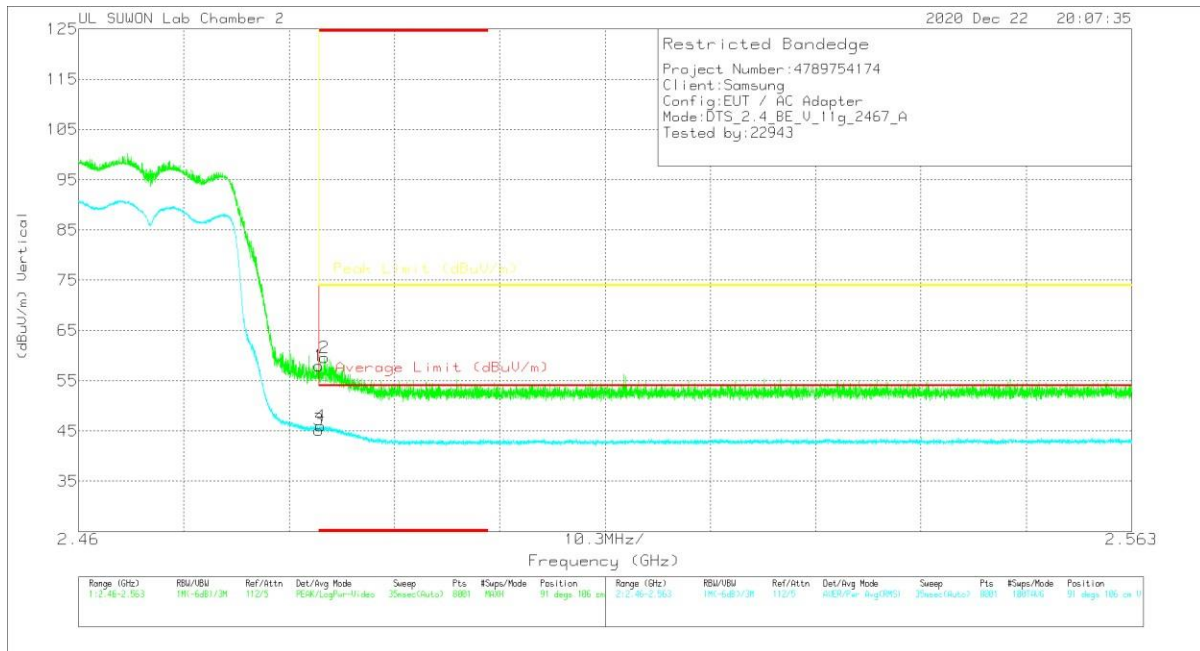
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00158724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.48351	43.74	PK	32	-20.2	0	55.54	-	-	74	-18.46	158	104	H
2	* 2.48619	46.89	PK	32	-20.2	0	58.69	-	-	74	-15.31	158	104	H
3	* 2.48351	32.8	RMS	32	-20.2	11	44.71	54	-9.29	-	-	158	104	H
4	* 2.48359	33.31	RMS	32	-20.2	11	45.22	54	-8.78	-	-	158	104	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_00158724	10dB_ATT[9dB]	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	46.19	PK	32	-20.2	0	57.99	-	-	74	-15.01	91	106	V
2	* 2.48405	47.8	PK	32	-20.2	0	59.6	-	-	74	-14.4	91	106	V
3	* 2.48351	33.3	RMS	32	-20.2	11	45.21	54	-8.79	-	-	91	106	V
4	* 2.48359	34.13	RMS	32	-20.2	11	46.04	54	-7.96	-	-	91	106	V

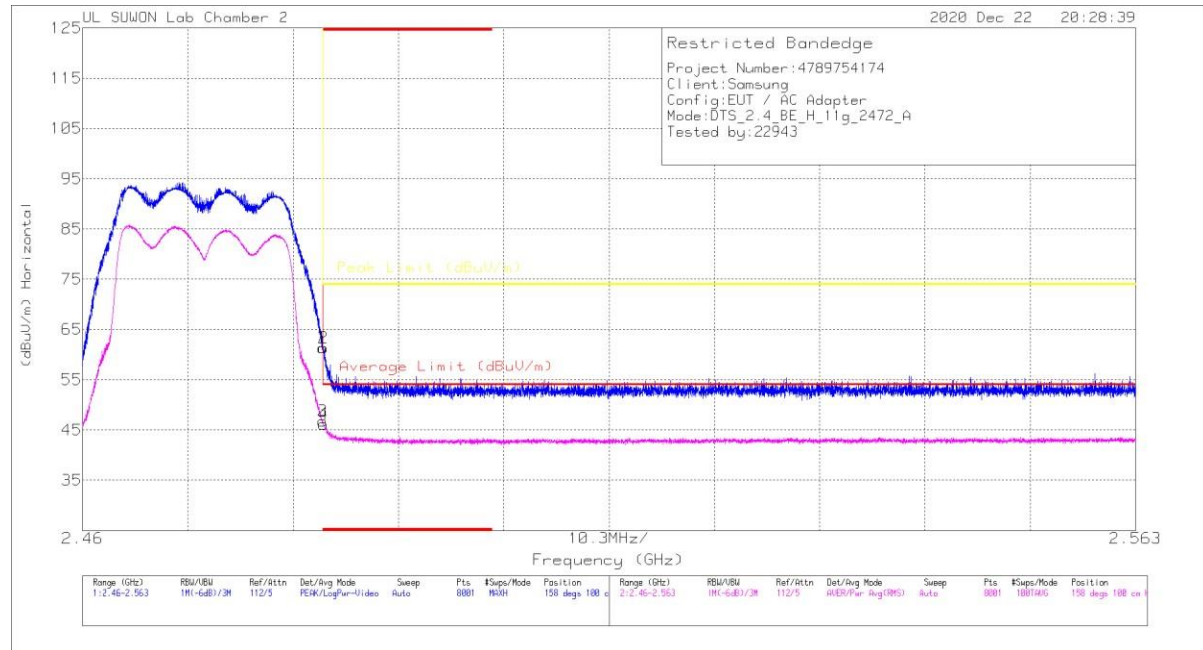
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

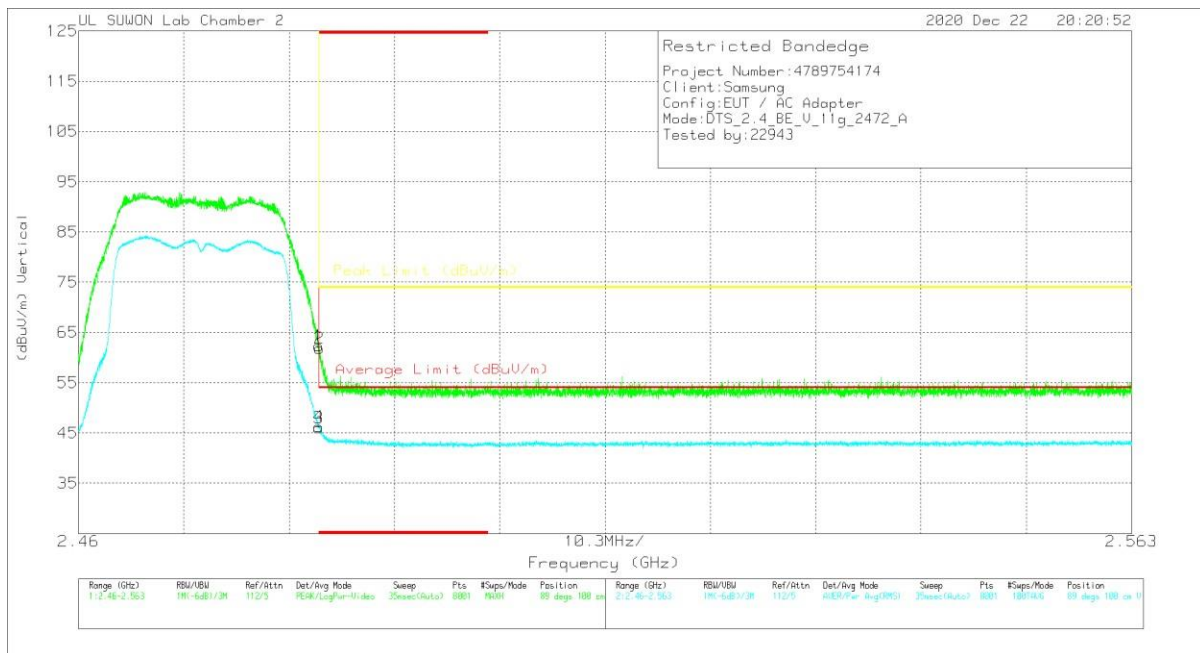


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_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	49.6	PK	32	-20.2	0	61.4	-	-	74	-12.6	158	100	H
2	* 2.48357	48.5	PK	32	-20.2	0	61.3	-	-	74	-12.7	158	100	H
3	* 2.48351	34.01	RMS	32	-20.2	11	46.72	54	-7.28	-	-	158	100	H
4	* 2.48357	34.18	RMS	32	-20.2	11	46.09	54	-7.91	-	-	158	100	H

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

VERTICAL RESULT



Trace Markers

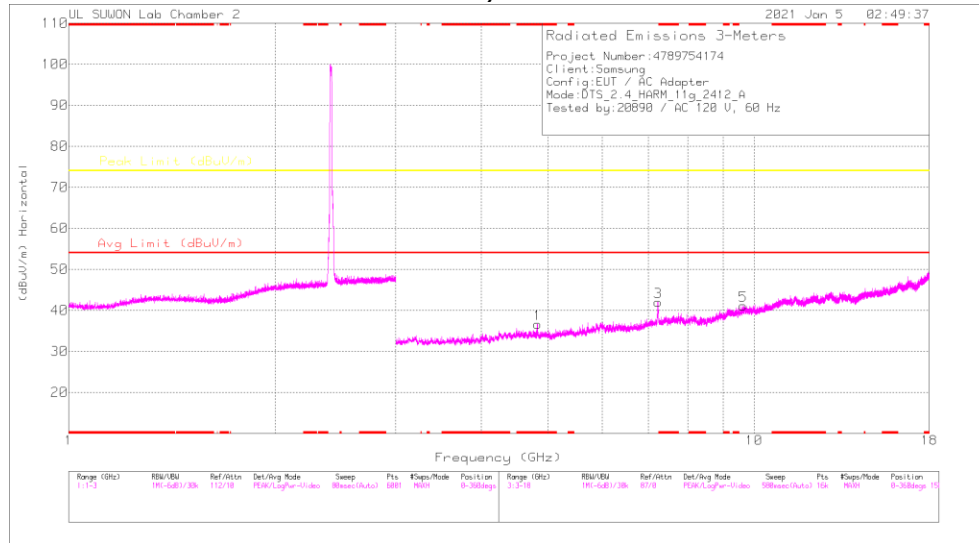
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00158724	10dB_ATT[9dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.48351	50.52	PK	32	-20.2	0	61.8	-	-	74	-11.68	89	100	V
2	* 2.48354	50	PK	32	-20.2	0	61.8	-	-	74	-12.2	89	100	V
3	* 2.48351	34.06	RMS	32	-20.2	11	45.97	54	-8.03	-	-	89	100	V
4	* 2.48352	34.39	RMS	32	-20.2	11	46.3	54	-7.7	-	-	89	100	V

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

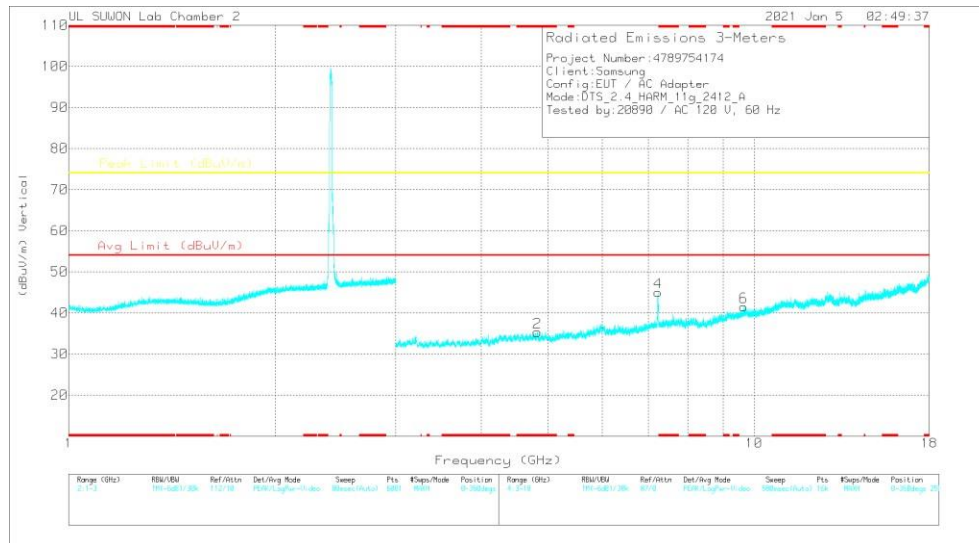
PK - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS **LOW CHANNEL, CH 1 RESULTS**



HORIZONTAL



VERTICAL

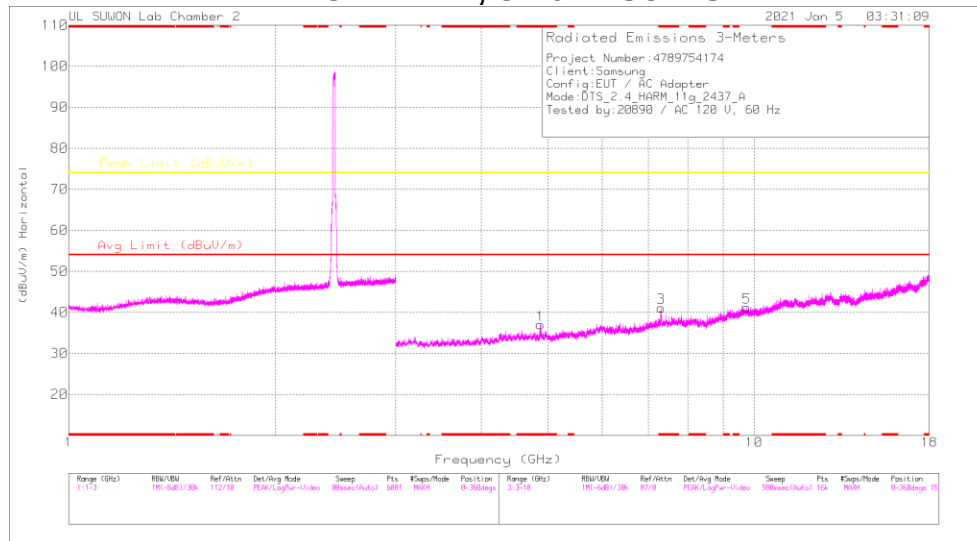
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

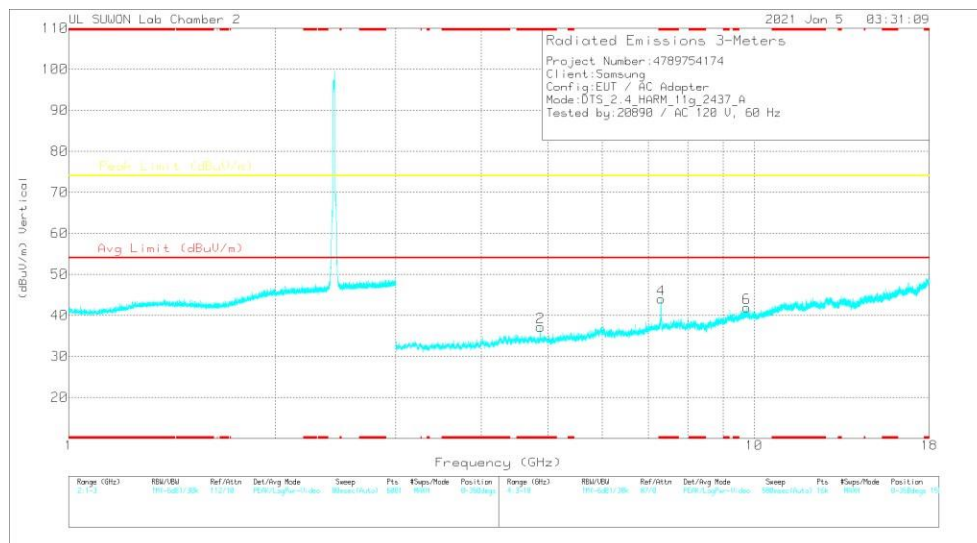
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872 4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82383	42.04	PK2	34.1	-27.9	0	48.24	-	-	74	-25.76	120	100	H
* 4.82395	29.68	MAV1	34.1	-27.9	.11	35.99	54	-18.01	-	-	120	100	H
* 4.82367	40.38	PK2	34.1	-27.9	0	46.58	-	-	74	-27.42	156	108	V
* 4.82435	28.37	MAV1	34.1	-27.9	.11	34.68	54	-19.32	-	-	156	108	V
7.24082	44.18	PK2	36.2	-25.1	0	55.28	-	-	74	-18.72	236	100	H
7.23928	44.13	PK2	36.2	-25.1	0	55.23	-	-	74	-18.77	158	263	V
9.63992	32.68	PK2	37	-20.8	0	48.88	-	-	74	-25.12	0	100	H
9.64011	33.16	PK2	37	-20.8	0	49.36	-	-	74	-24.64	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

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

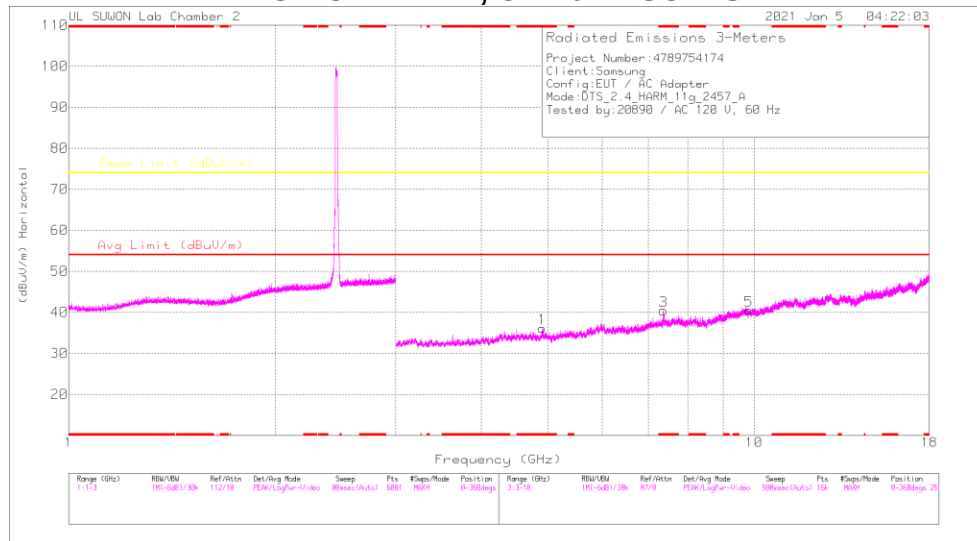
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87164	41.38	PK2	34.1	-27.8	0	47.68	-	-	74	-26.32	122	109	H
* 4.87596	29	MAV1	34.1	-27.6	.11	35.61	54	-18.39	-	-	122	109	H
* 4.87044	38.88	PK2	34.1	-27.8	0	45.18	-	-	74	-28.82	84	120	V
* 4.8758	27.02	MAV1	34.1	-27.6	.11	33.63	54	-20.37	-	-	84	120	V
* 7.31187	43.53	PK2	36.2	-24.6	0	55.13	-	-	74	-18.87	233	100	H
* 7.31287	29.16	MAV1	36.1	-24.6	.11	40.77	54	-13.23	-	-	233	100	H
* 7.30315	45.08	PK2	36.2	-24.7	0	56.58	-	-	74	-17.42	183	256	V
* 7.30807	30.53	MAV1	36.2	-24.7	.11	42.14	54	-11.86	-	-	183	256	V
9.74571	32.21	PK2	37.2	-20.4	0	49.01	-	-	74	-24.99	0	100	H
9.74398	33.19	PK2	37.2	-20.4	0	49.99	-	-	74	-24.01	0	100	V

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

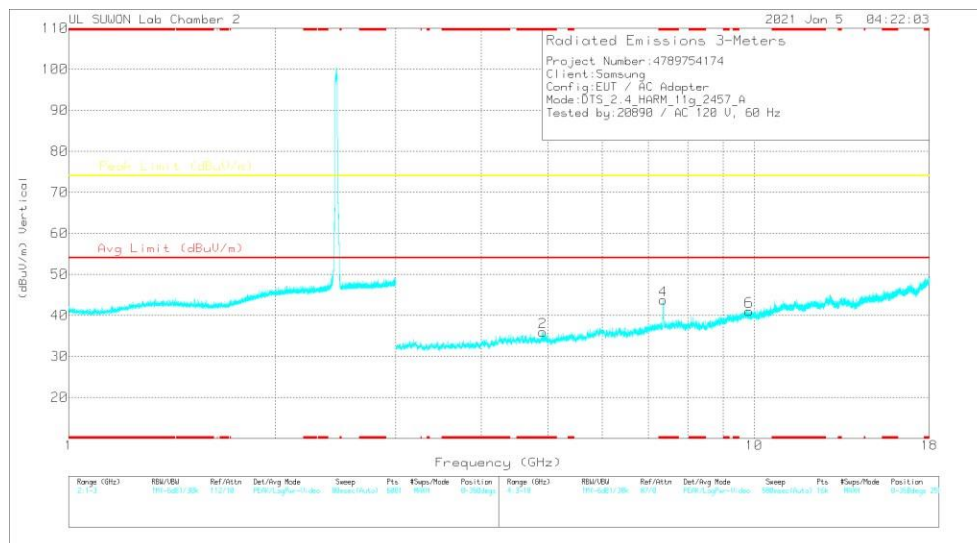
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 10 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
* 4.91329	38.98	PK2	34.1	-26.9	0	46.18	-	-	74	-27.82	131	101	H
* 4.91381	27.03	MAV1	34.1	-26.9	.11	34.34	54	-19.66	-	-	131	101	H
* 4.91329	37.37	PK2	34.1	-26.9	0	44.57	-	-	74	-29.43	91	109	V
* 4.91329	25.66	MAV1	34.1	-26.9	.11	32.97	54	-21.03	-	-	91	109	V
* 7.37119	40.7	PK2	36.1	-24.1	0	52.7	-	-	74	-21.3	156	132	H
* 7.37039	27.35	MAV1	36.1	-24.1	.11	39.46	54	-14.54	-	-	156	132	H
* 7.37155	43.99	PK2	36.1	-24.1	0	55.99	-	-	74	-18.01	178	252	V
* 7.36531	30.5	MAV1	36.1	-24.1	.11	42.61	54	-11.39	-	-	178	252	V
9.81166	32.36	PK2	37.2	-20.9	0	48.66	-	-	74	-25.34	360	100	H
9.81298	32.78	PK2	37.2	-20.9	0	49.08	-	-	74	-24.92	360	100	V

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

PK2 - KDB558074 Method: Maximum Peak

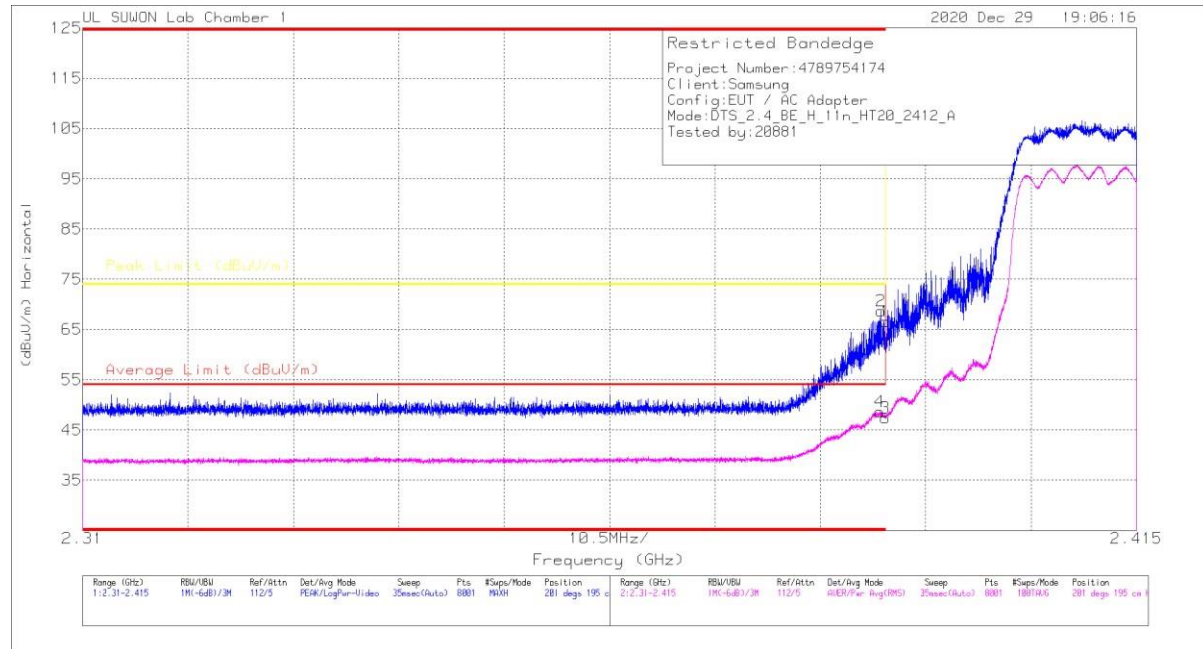
MAV1 - KDB558074 Option 1 Maximum RMS Average

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

2TX Antenna 1 + Antenna 2

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

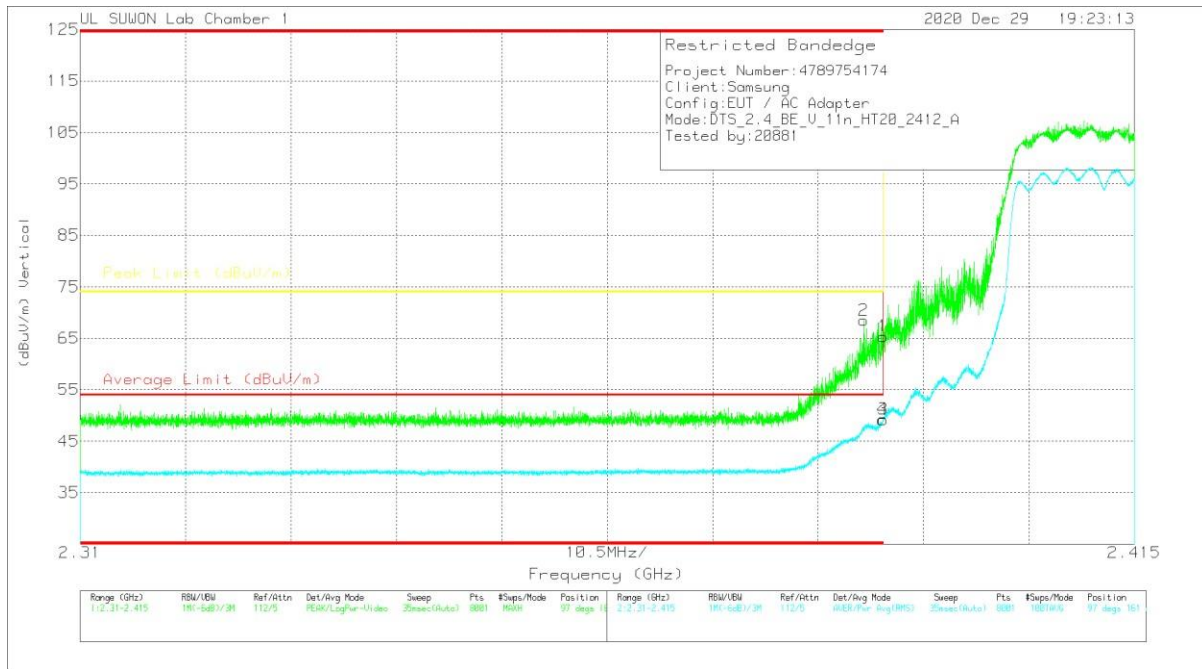
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00100717	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.39	60.35	PK	31.8	-25.6	0	66.55	-	-	74	-7.45	201	195	H
2	*2.38962	62.35	PK	31.8	-25.5	0	68.65	-	-	74	-5.35	201	195	H
3	*2.39	41.05	RMS	31.8	-25.6	11	47.36	54	-6.64	-	-	201	195	H
4	*2.38941	42.26	RMS	31.8	-25.5	11	48.67	54	-5.33	-	-	201	195	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	50.15	PK	31.8	-25.6	0	65.35	-	-	74	-8.62	97	161	V
2	* 2.38905	62.19	PK	31.8	-25.5	0	68.49	-	-	74	-5.51	97	161	V
3	* 2.39	42.94	RMS	31.8	-25.6	11	49.25	54	-4.75	-	-	97	161	V
4	* 2.38994	42.91	RMS	31.8	-25.6	11	49.22	54	-4.78	-	-	97	161	V

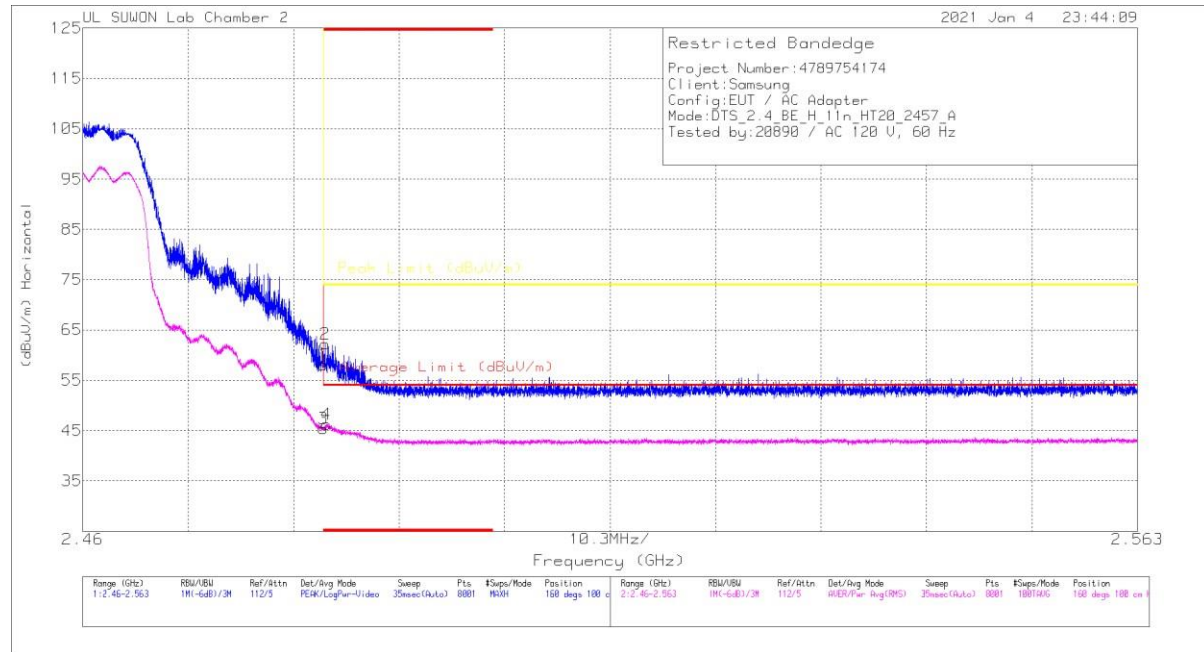
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT

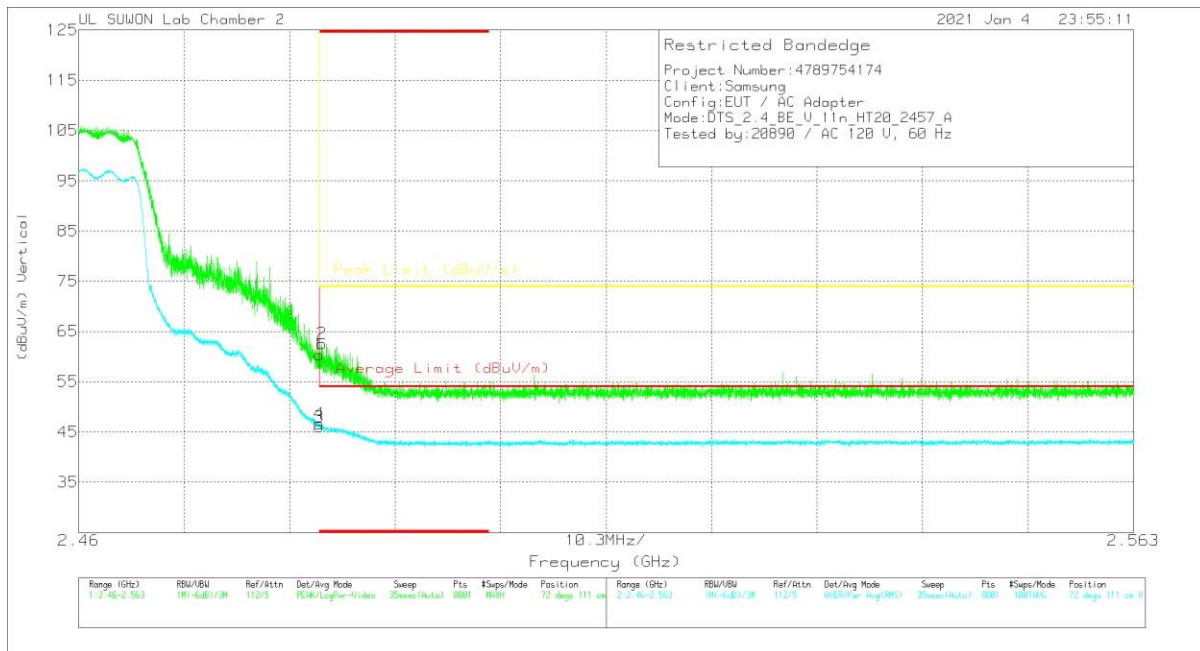


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00158724	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	46.37	PK	32	-20.2	0	66.17	-	-	74	-15.83	160	100	H
2	* 2.48369	50.38	PK	32	-20.2	0	62.18	-	-	74	-11.82	160	100	H
3	* 2.48351	33.47	RMS	32	-20.2	11	45.38	54	-8.62	-	-	160	100	H
4	* 2.48376	38.31	RMS	32	-20.2	11	46.22	54	-7.78	-	-	160	100	H

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

VERTICAL RESULT



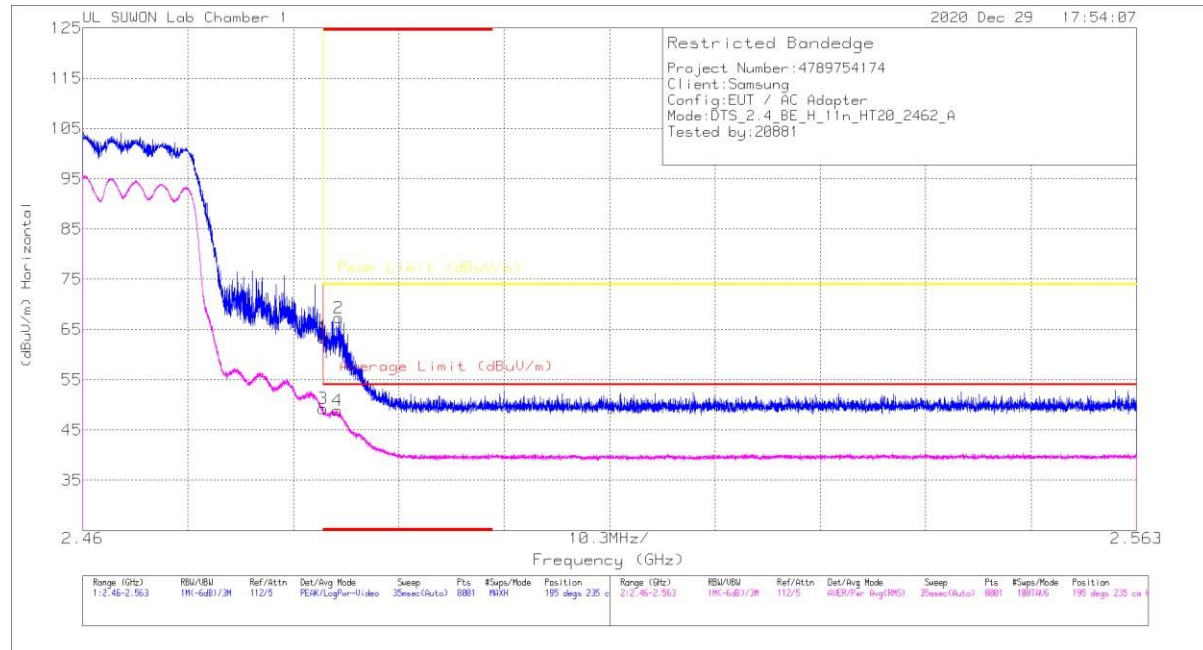
Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (cm)	Polarity
1	*2.48351	48.56	PK	32	-20.2	0	68.36	-	-	74	-13.64	72	111	V
2	*2.48377	50.82	RMS	32	-20.2	0	62.62	-	-	74	-11.38	72	111	V
3	*2.48351	34.08	RMS	32	-20.2	11	45.99	54	-8.01	-	-	72	111	V
4	*2.48352	34.72	RMS	32	-20.2	11	46.63	54	-7.37	-	-	72	111	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**

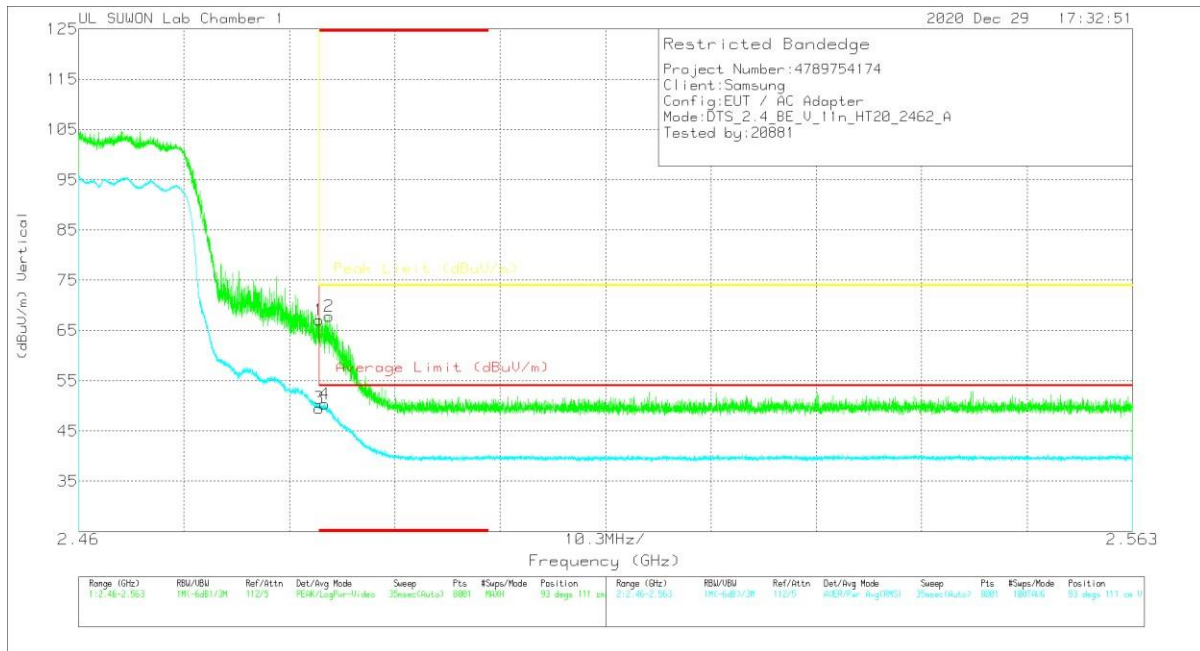
Marker	Frequency (GHz)	Meter Reading (dBuV/m)	Det	3117_00168717	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.48351	56.68	PK	32	-25.3	0	63.38	-	-	74	-10.62	195	235	H
2	* 2.48303	60.48	PK	32	-25.2	0	67.28	-	-	74	-6.72	195	235	H
3	* 2.48351	42.44	RMS	32	-25.3	11	49.25	54	-4.75	-	-	195	235	H
4	* 2.48349	42.02	RMS	32	-25.2	11	48.93	54	-5.07	-	-	195	235	H

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

PK - Peak detector

RMS - RMS detection

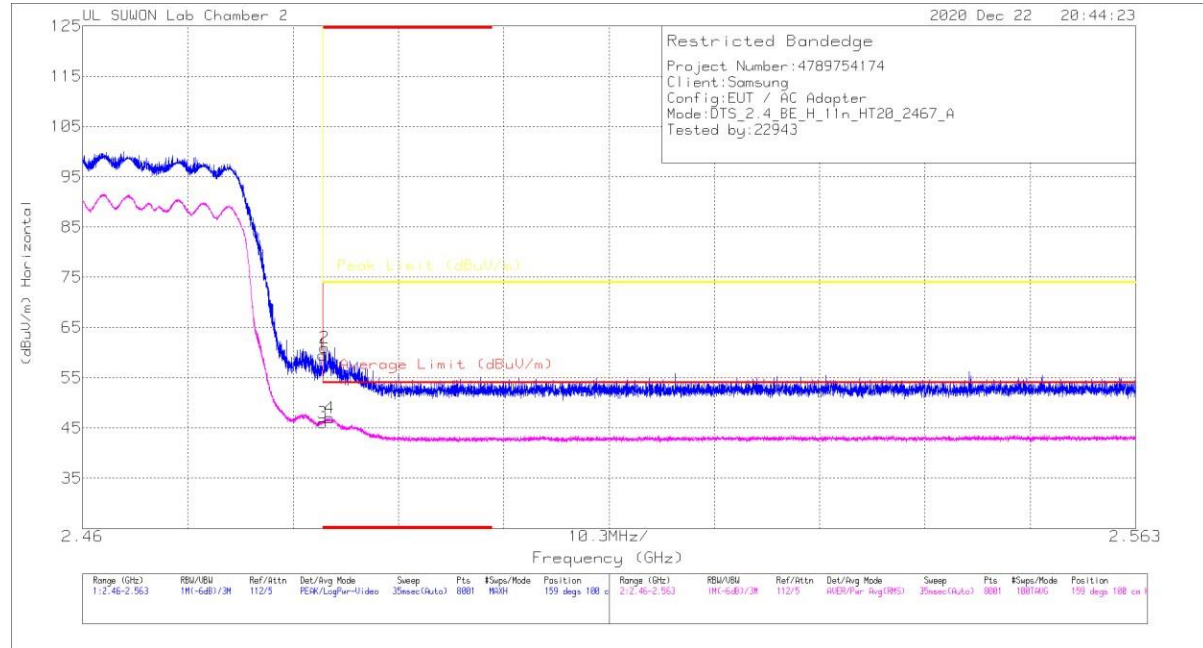
VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV/m)	Det	3117_00158717	10dB_ATT[9dB]	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	61.34	PK	32	-25.3	0	67.04	-	-	74	-6.96	93	111	V
2	*2.48449	61.06	PK	32	-25.2	0	67.86	-	-	74	-6.14	93	111	V
3	*2.48351	42.76	RMS	32	-25.3	11	49.57	54	-4.43	-	-	93	111	V
4	*2.48402	43.6	RMS	32	-25.3	11	50.41	54	-3.59	-	-	93	111	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**

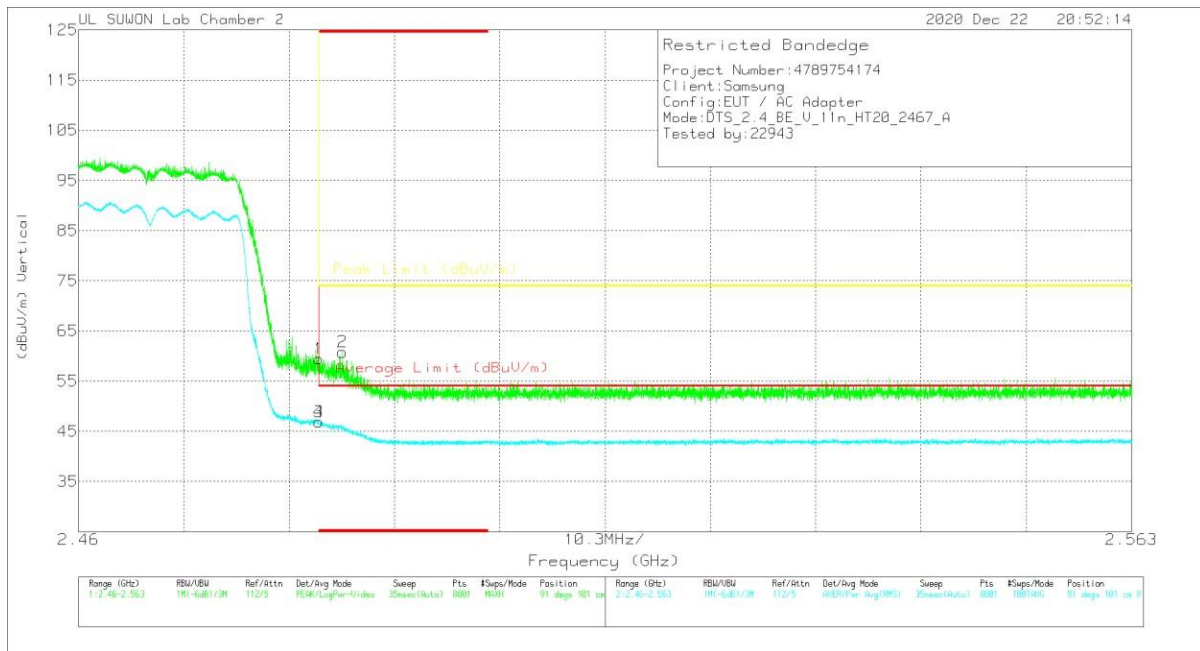
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	*2.48351	47.67	PK	32	-20.2	0	59.47	-	-	74	-14.53	159	100	H
2	*2.48368	49.19	PK	32	-20.2	0	60.99	-	-	74	-13.01	159	100	H
3	*2.48351	34.16	RMS	32	-20.2	11	46.07	54	-7.93	-	-	159	100	H
4	*2.48314	35.05	RMS	32	-20.2	11	46.96	54	-7.04	-	-	159	100	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



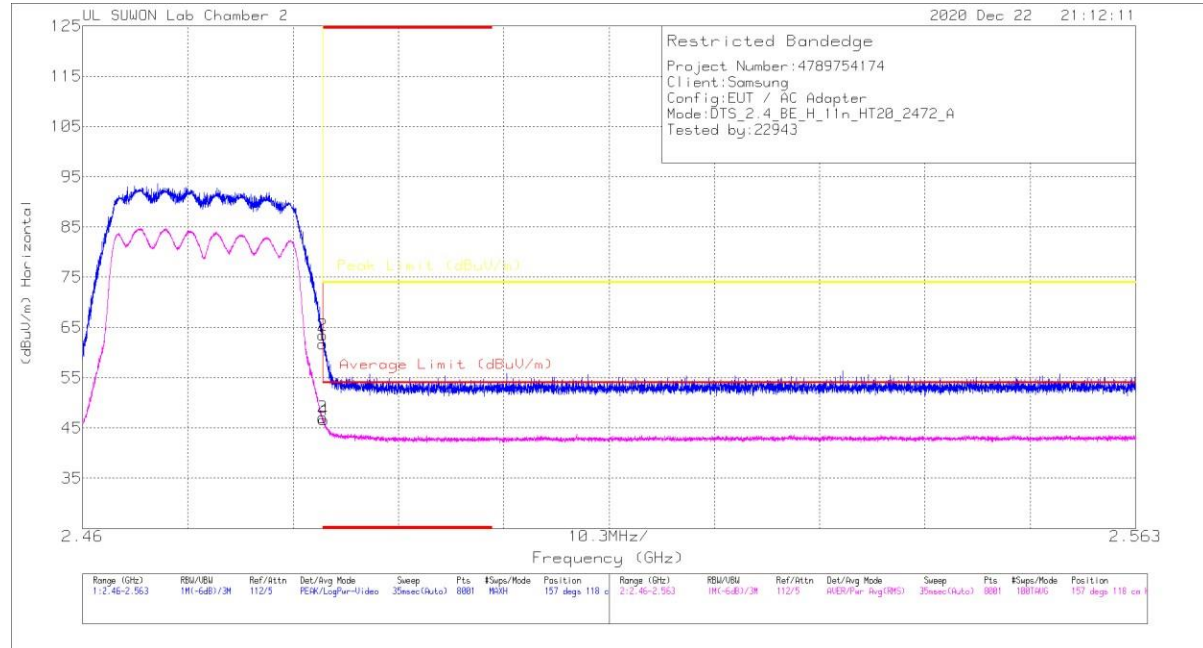
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00158724	10dB_ATT[9dB]	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	47.7	PK	32	-20.2	0	59.5	-	-	74	-14.5	91	101	V
2	* 2.48381	48.99	PK	32	-20.2	0	60.79	-	-	74	-13.21	91	101	V
3	* 2.48351	34.94	RMS	32	-20.2	.11	46.85	54	-7.15	-	-	91	101	V
4	* 2.48352	35.02	RMS	32	-20.2	.11	46.93	54	-7.07	-	-	91	101	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**

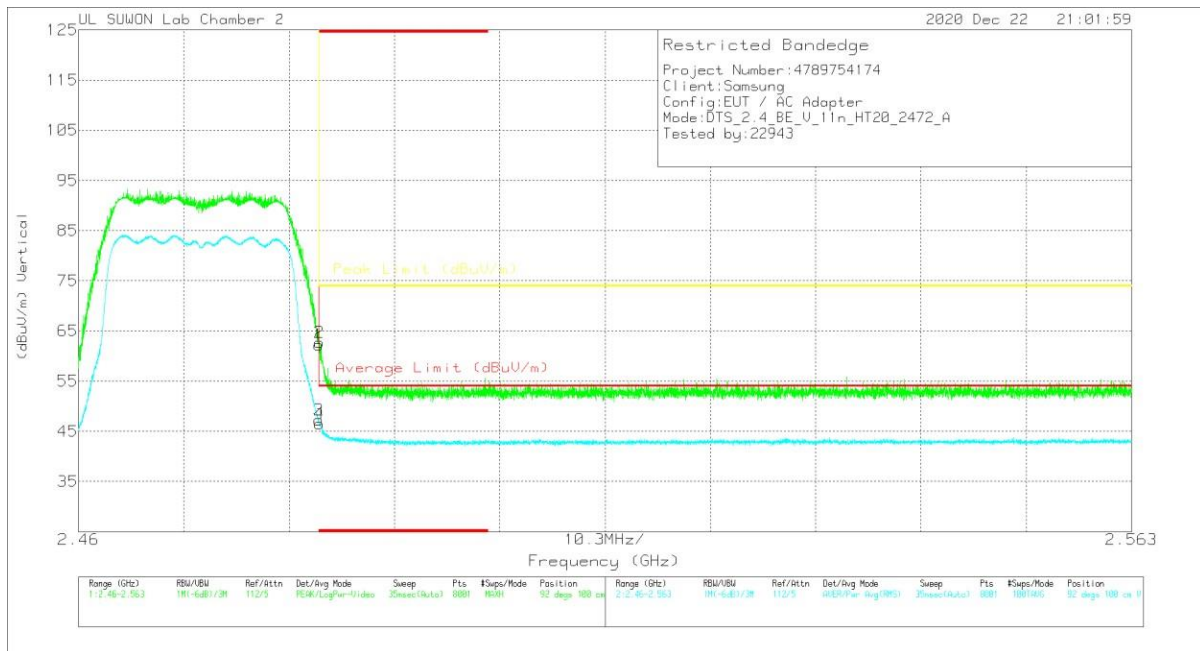
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	*2.48351	49.92	PK	32	-20.2	0	61.72	-	-	74	-12.28	157	118	H
2	*2.48352	51.72	PK	32	-20.2	0	63.52	-	-	74	-10.48	157	118	H
3	*2.48351	35.17	RMS	32	-20.2	11	47.06	54	-6.92	-	-	157	118	H
4	*2.48359	34.73	RMS	32	-20.2	11	46.64	54	-7.36	-	-	157	118	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_00158724	10dB_ATT[9dB]	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	50.41	PK	32	-20.2	0	62.21	-	-	74	-11.79	92	100	V
2	* 2.48354	50.93	PK	32	-20.2	0	62.73	-	-	74	-11.27	92	100	V
3	* 2.48351	35.35	RMS	32	-20.2	.11	47.26	54	-6.74	-	-	92	100	V
4	* 2.48355	34.59	RMS	32	-20.2	.11	46.5	54	-7.5	-	-	92	100	V

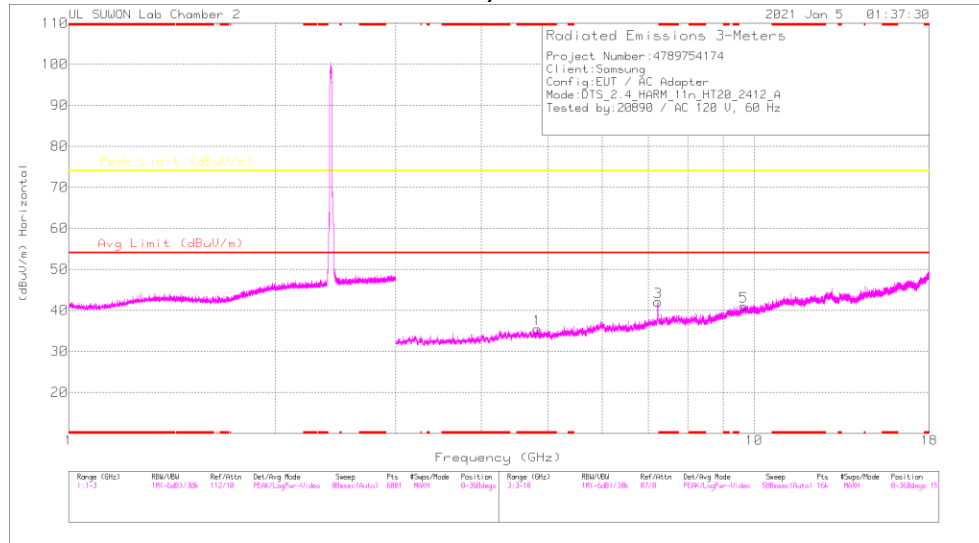
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

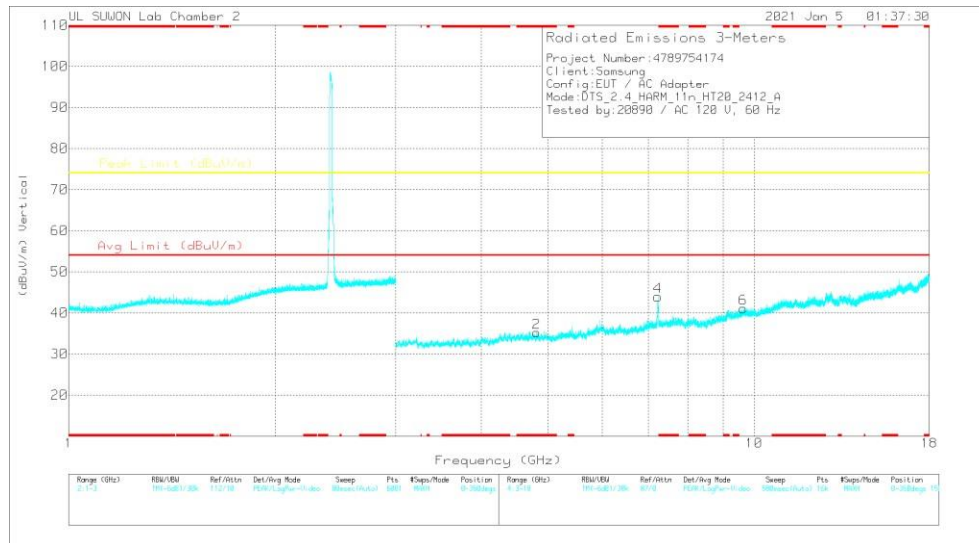
RMS - RMS detection

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
* 4.82783	37.19	PK2	34.1	-27.9	0	43.39	-	-	74	-30.61	0	100	H
* 4.82577	37.41	PK2	34.1	-27.8	0	43.71	-	-	74	-30.29	0	100	V
7.23216	42.42	PK2	36.2	-25.1	0	53.52	-	-	74	-20.48	169	100	H
7.23178	43.38	PK2	36.2	-25.1	0	54.48	-	-	74	-19.52	159	264	V
9.6453	32.92	PK2	37	-20.8	0	49.12	-	-	74	-24.88	0	100	H
9.64795	33.09	PK2	37	-20.8	0	49.29	-	-	74	-24.71	0	100	V

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