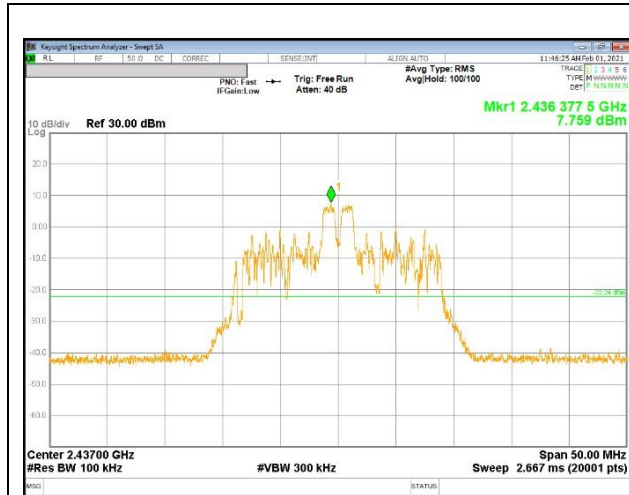
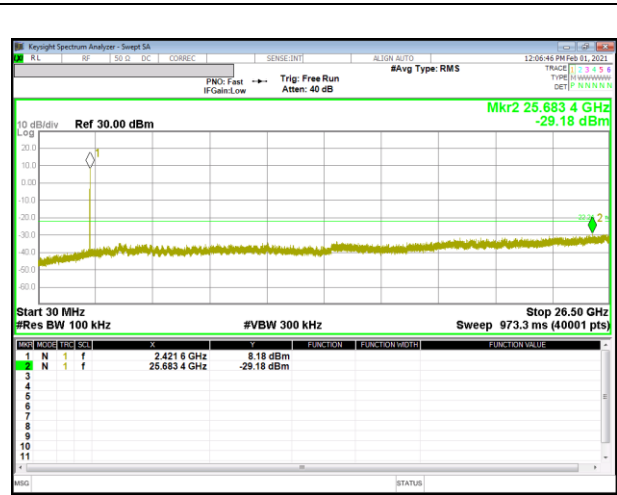


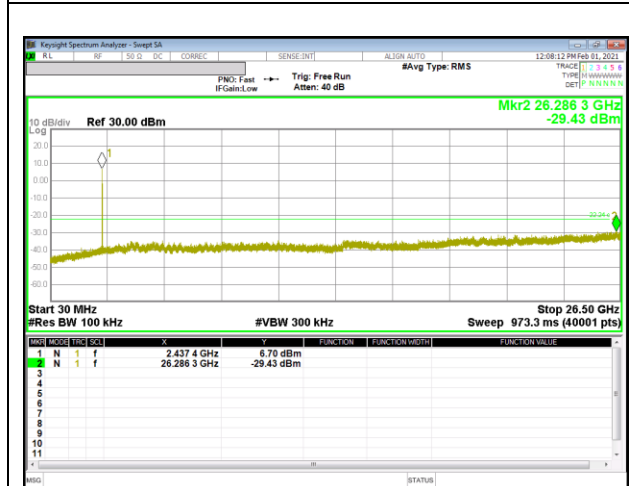
2TX Antenna 2 MODE



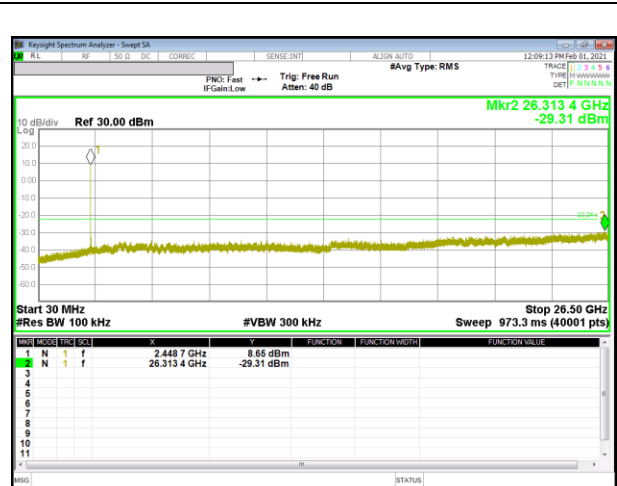
In-Band Reference Level



Out-Of-Band 1 Channel(4RU)



Out-Of-Band 6 Channel(4RU)



Out-Of-Band 10 Channel(4RU)

10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

Limits for radiated disturbance of an intentional radiator		
Frequency range (MHz)	Limits (µV/m)	Measurement Distance (m)
0.009 – 0.490	2400 / F (kHz)	300
0.490 – 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30 – 88	100**	3
88 - 216	150**	3
216 – 960	200**	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g. §§ 15.231 and 15.241.

FCC Part 15.205 (a) : Only spurious emissions are permitted in any of the frequency bands listed below :

MHz	MHz	MHz	MHz	GHz	GHz
0.009 ~ 0.110	8.41425 ~ 8.41475	108 ~ 121.94	1300 ~ 1427	4.5 ~ 5.15	14.47 ~ 14.5
0.495 ~ 0.505	12.29 ~ 12.293	123 ~ 138	1435 ~ 1626.5	5.35 ~ 5.46	15.35 ~ 16.2
2.1735 ~ 2.1905	12.51975 ~ 12.52025	149.9 ~ 150.05	1645.5 ~ 1646.5	7.25 ~ 7.75	17.7 ~ 21.4
4.125 ~ 4.128	12.57675 ~ 12.57725	156.52475 ~	1660 ~ 1710	8.025 ~ 8.5	22.01 ~ 23.12
4.17725 ~ 4.17775	13.36 ~ 13.41	156.52525	1718.8 ~ 1722.2	9.0 ~ 9.2	23.6 ~ 24.0
4.20725 ~ 4.20775	16.42 ~ 16.423	156.7 ~ 156.9	2200 ~ 2300	9.3 ~ 9.5	31.2 ~ 31.8
6.215 ~ 6.218	16.69475 ~ 16.69525	162.0125 ~	2310 ~ 2390	10.6 ~ 12.7	36.43 ~ 36.5
6.26775 ~ 6.26825	16.80425 ~ 16.80475	167.17	2483.5 ~ 2500	13.25 ~ 13.4	Above 38.6
6.31175 ~ 6.31225	25.5 ~ 25.67	167.72 ~ 173.2	2655 ~ 2900		
8.291 ~ 8.294	37.5 ~ 38.25	240 ~ 285	3260 ~ 3267		
8.362 ~ 8.366	73 ~ 74.6	322 ~ 335.4	3332 ~ 3339		
8.37625 ~ 8.38675	74.8 ~ 75.2	399.90 ~ 410	3345.8 ~ 3358		
		608 ~ 614	3600 ~ 4400		
		960 ~ 1240			

▪ FCC Part 15.205(b) : The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1 GHz and 150 cm for above 1 GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements. (Restricted bandedge, Final detection of spurious harmonic emissions)

Duty cycle factor = $10\log(1/x)$ For this sample:

802.11b SISO mode = 0 dB (duty cycle > 98%);
802.11g MIMO mode = 0.11 dB (97.60 %);
802.11n(HT20) MIMO mode = 0.11 dB (97.41 %);
802.11ax(HE20) MIMO SU mode = 0.10 dB (97.71 %);
802.11ax(HE20) MIMO 26 Tone mode = 0 dB(duty cycle > 98%).

Pre-scans to detect harmonic and spurious emissions, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz for peak measurements.

The spectrum from 1 GHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.
(From 30MHz to 1GHz, test was performed with the EUT set to transmit at the channel with highest output power)

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

Note : Emission was pre-scanned from 9 kHz to 30 MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).
Per FCC part 15.31(o), test results were not reported.

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site.
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

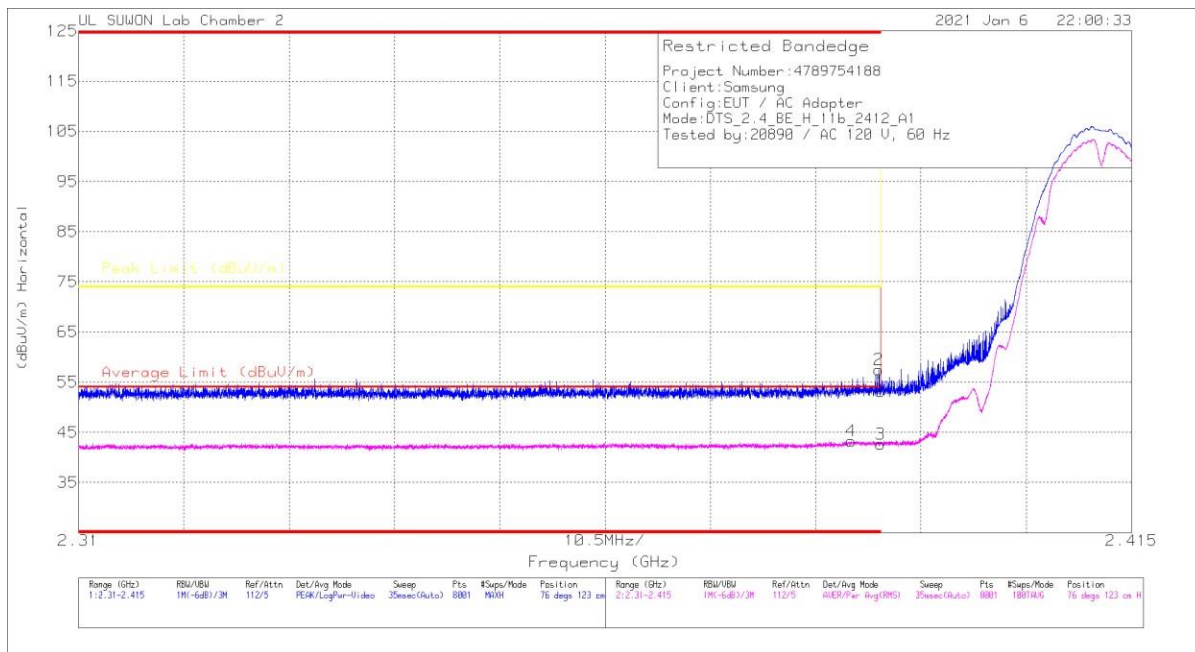
10.1. TRANSMITTER ABOVE 1 GHz

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

1TX Antenna 1

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT

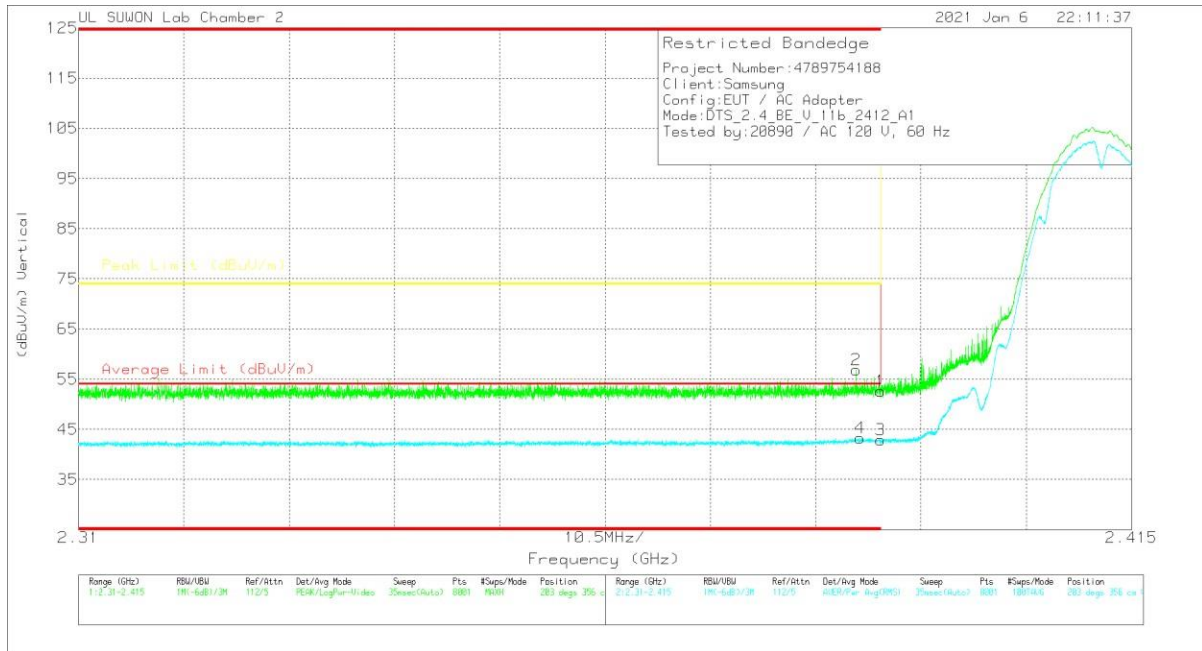


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	*2.39	41.51	PK	31.9	-20.3	0	53.11	-	-	74	-20.89	76	123	H
2	*2.38977	45.91	PK	31.9	-20.3	0	57.51	-	-	74	-16.49	76	123	H
3	*2.39	31.11	RMS	31.9	-20.3	0	42.71	54	-11.29	-	-	76	123	H
4	*2.38707	31.7	RMS	31.9	-20.3	0	43.3	54	-10.7	-	-	76	123	H

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

VERTICAL RESULT



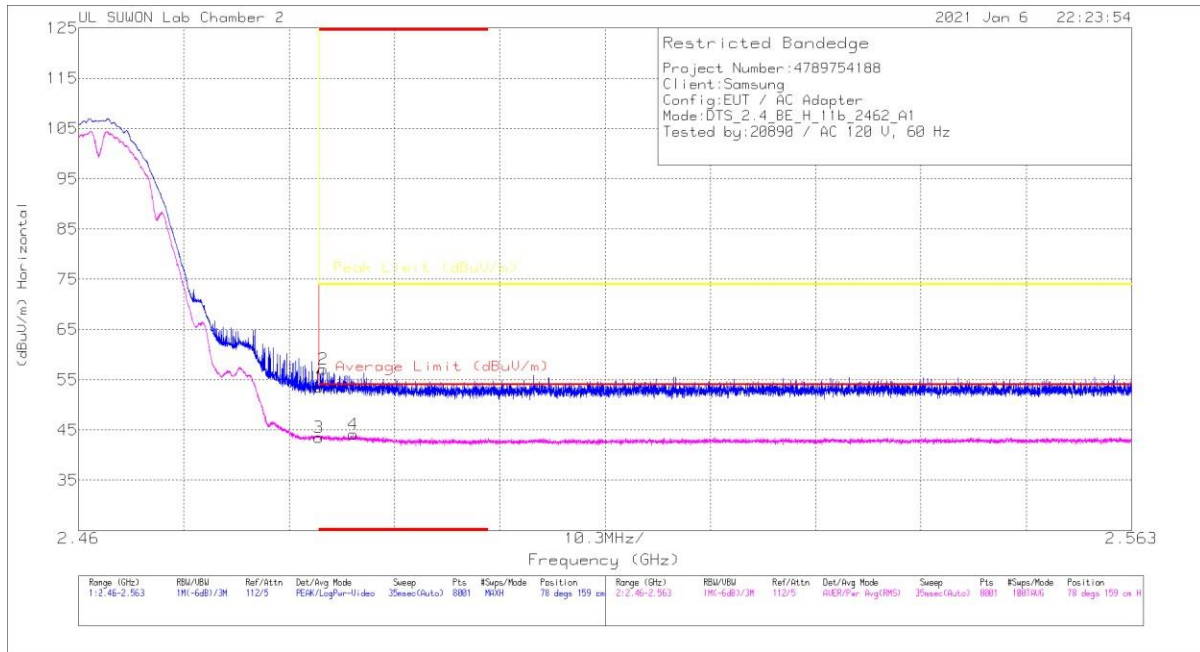
Trace Markers

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)	Azimuth (Degs)	Height (m)	Polarity
1	*2.39	41.03	PK	31.9	-20.3	0	52.83	-	-	74	-21.37	203	356	V
2	*2.38756	45.16	PK	31.9	-20.2	0	56.86	-	-	74	-17.14	203	356	V
3	*2.39	31.31	RMS	31.9	-20.3	0	42.91	54	-11.09	-	-	203	356	V
4	*2.38792	31.61	RMS	31.9	-20.2	0	43.31	54	-10.69	-	-	203	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

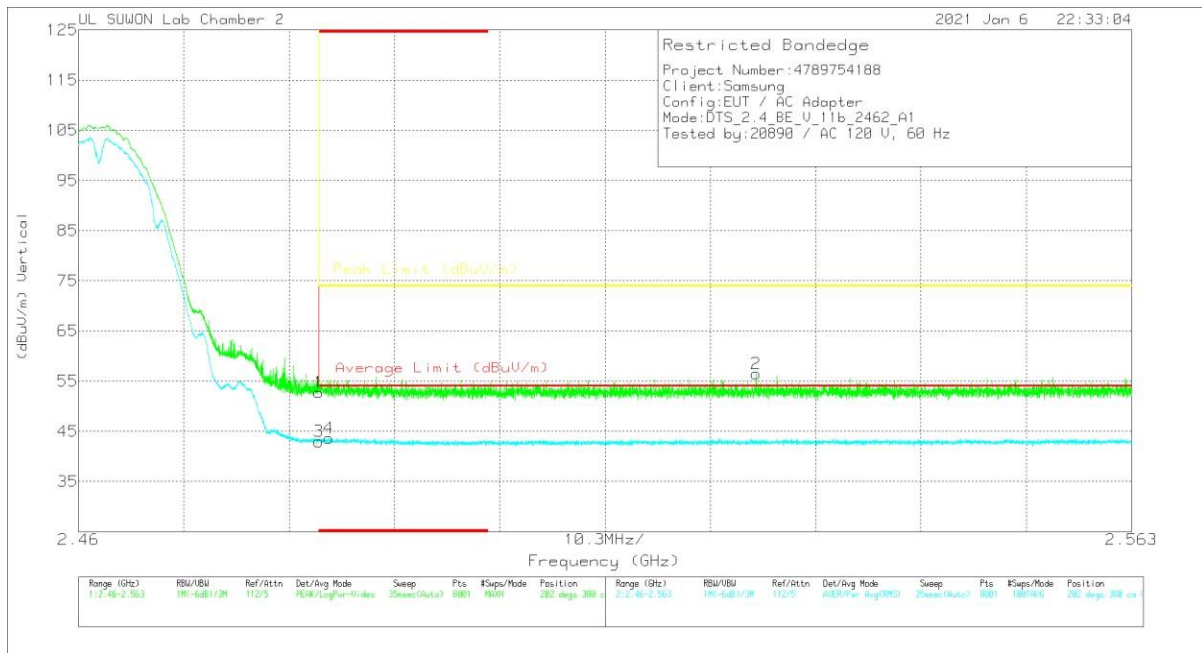


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_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	41.75	PK	32	-20.2	0	53.55	-	-	74	-20.45	78	159	H
2	* 2.4839	45.28	PK	32	-20.2	0	57.08	-	-	74	-16.92	78	159	H
3	* 2.48351	31.77	RMS	32	-20.2	0	43.37	54	-10.43	-	-	78	159	H
4	* 2.48887	32.89	RMS	32	-20.2	0	44.19	54	-9.81	-	-	78	159	H

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

VERTICAL RESULT



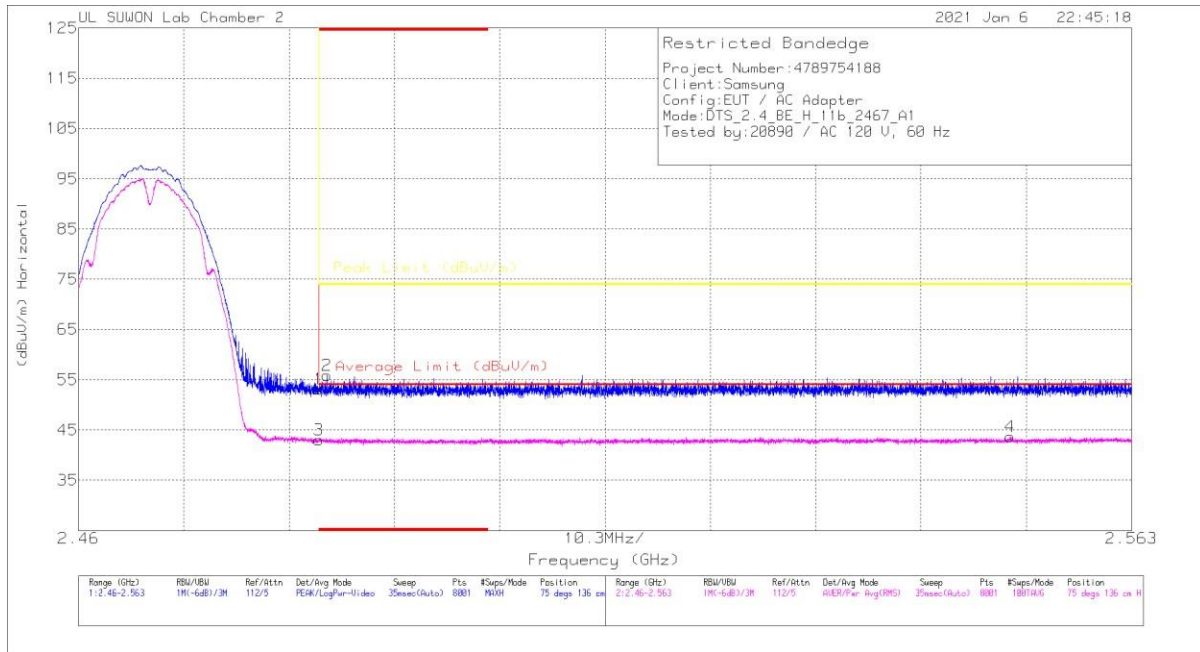
Trace Markers

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 (m)	Polarity
1	* 2.48351	40.35	PK	32	-20.2	0	52.75	-	-	74	-21.25	202	380	V
2	2.52829	44.44	PK	32.1	-20.1	0	56.44	-	-	74	-17.56	202	380	V
3	* 2.48351	31.17	RMS	32	-20.2	0	42.97	54	-11.03	-	-	202	380	V
4	* 2.48445	31.9	RMS	32	-20.2	0	43.7	54	-10.3	-	-	202	380	V

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

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT

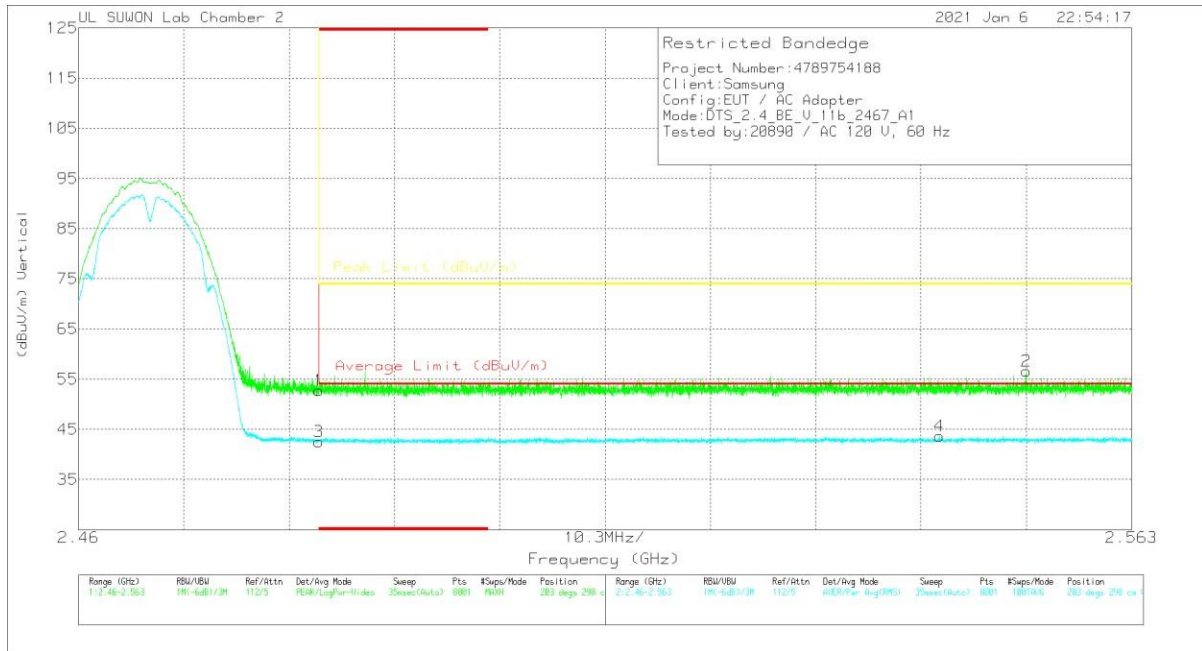


Trace Markers

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	41.36	PK	32	-20.2	0	53.16	-	-	74	-20.84	75	136	H
2	* 2.48428	44.03	PK	32	-20.2	0	55.83	-	-	74	-18.17	75	136	H
3	* 2.48351	31.26	RMS	32	-20.2	0	43.06	54	-10.94	-	-	75	136	H
4	2.5511	31.42	RMS	32.2	-20	0	43.62	54	-10.38	-	-	75	136	H

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

VERTICAL RESULT



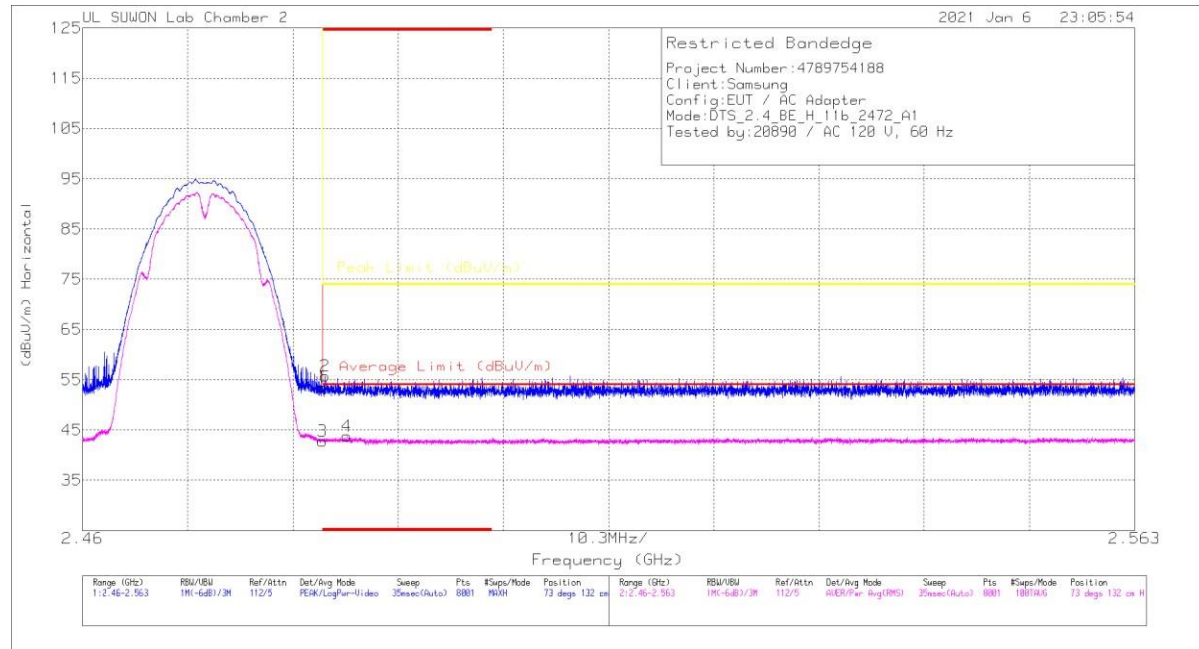
Trace Markers

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 (Deg)	Height (m)	Polarity
1	2.48351	40.95	PK	32	-20.2	0	52.76	-	-	74	-21.24	203	298	V
2	2.55269	44.5	PK	32.2	-20.1	0	56.6	-	-	74	-17.4	203	298	V
3	2.48351	30.75	RMS	32	-20.2	0	42.55	54	-11.45	-	-	203	298	V
4	2.5442	31.63	RMS	32.1	-20.1	0	43.63	54	-10.37	-	-	203	298	V

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

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

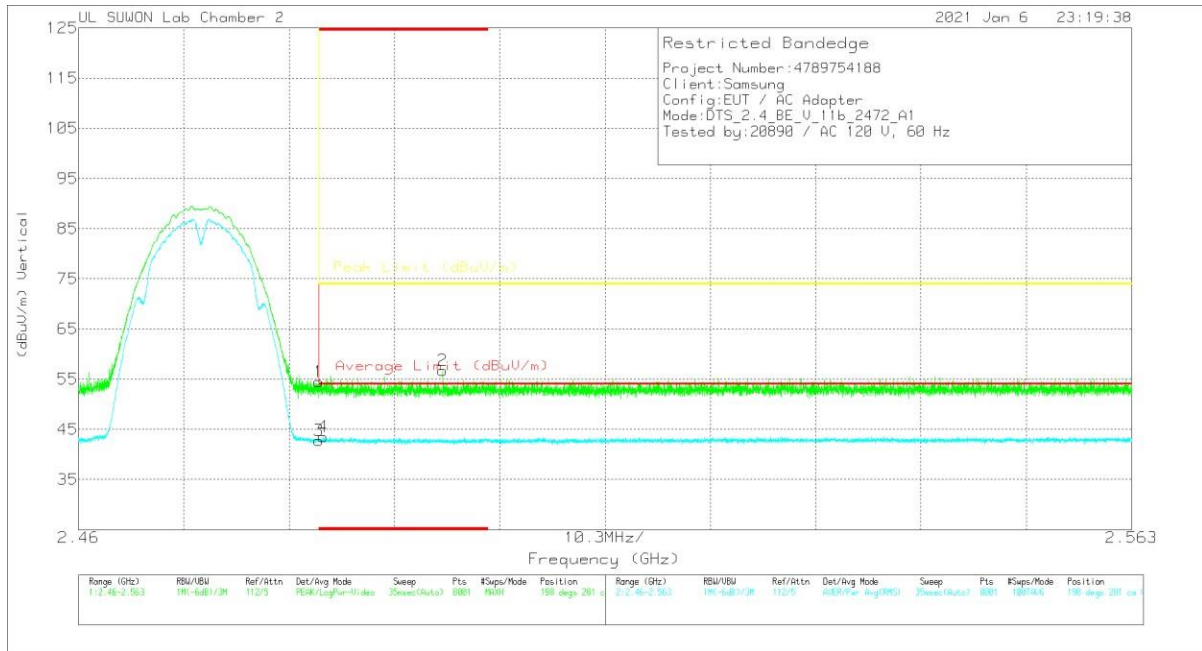


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.48351	41.7	PK	32	-20.2	0	53.5	-	-	74	-20.5	73	132	H
2	*2.48373	43.94	PK	32	-20.2	0	55.74	-	-	74	-18.26	73	132	H
3	*2.48351	30.99	RMS	32	-20.2	0	42.79	54	-11.21	-	-	73	132	H
4	*2.48387	32.02	RMS	32	-20.2	0	43.82	54	-10.18	-	-	73	132	H

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

VERTICAL RESULT

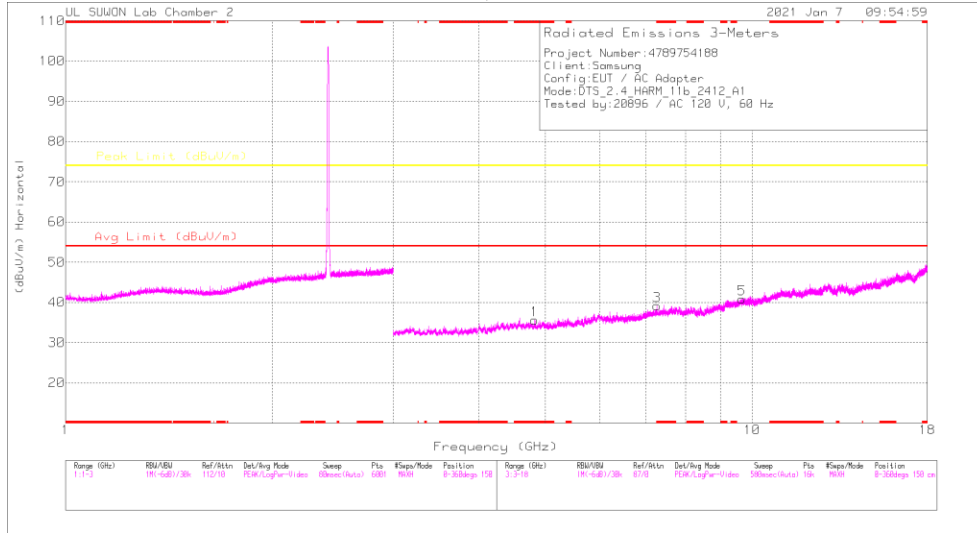


Trace Markers

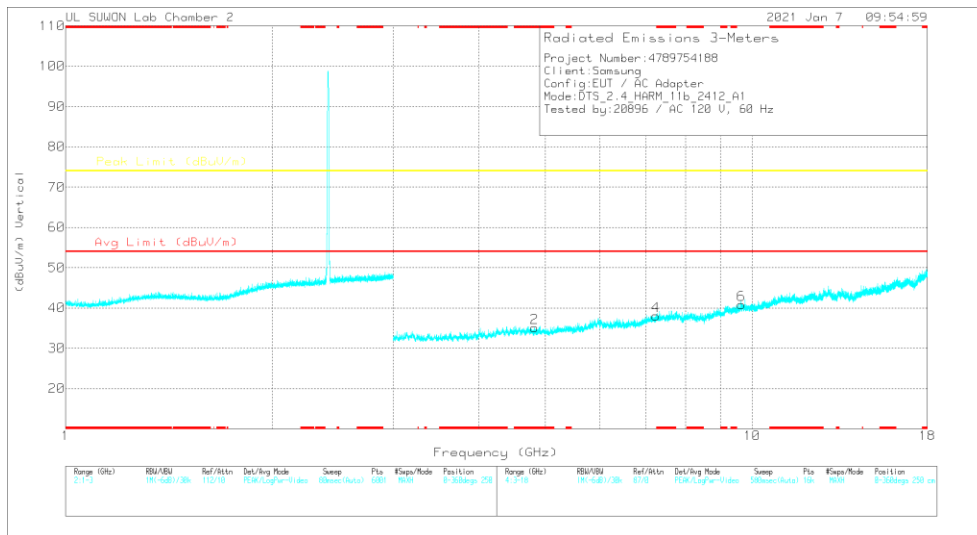
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
1	* 2.48351	42.73	PK	32	-20.2	0	54.33	-	-	74	-13.47	198	281	V
2	* 2.49584	44.97	PK	32.1	-20.3	0	56.77	-	-	74	-17.23	198	281	V
3	* 2.48351	30.98	RMS	32	-20.2	0	42.78	54	-11.22	-	-	198	281	V
4	* 2.48393	31.76	RMS	32	-20.2	0	43.56	54	-10.44	-	-	198	281	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

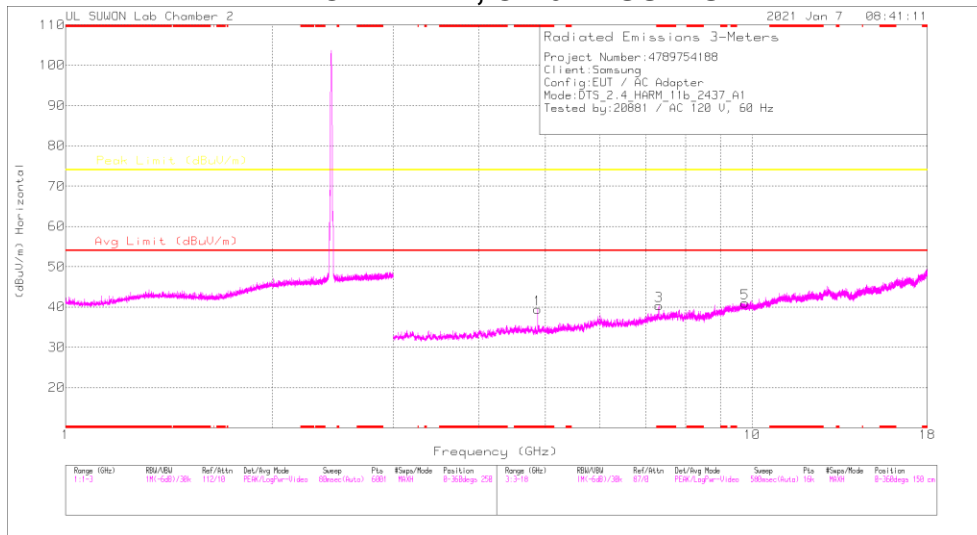
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

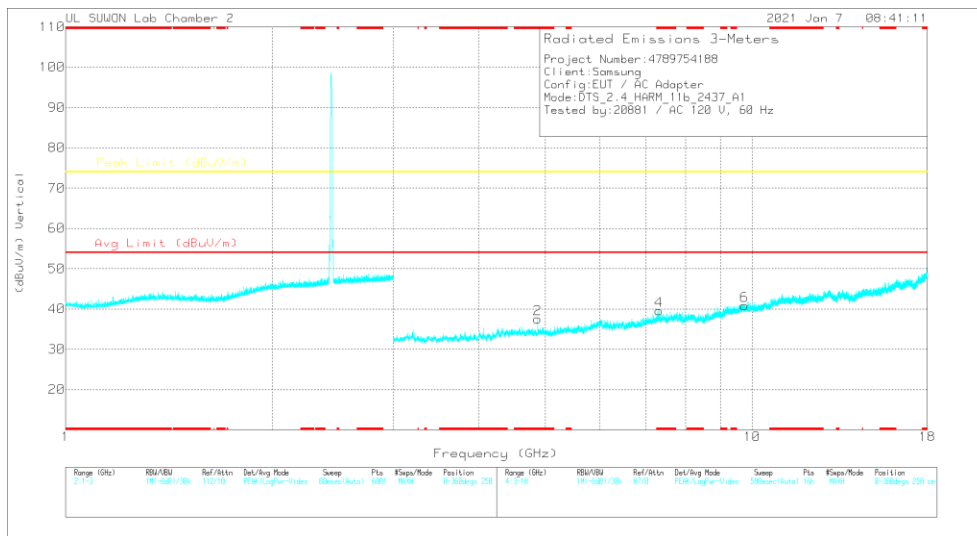
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82388	37.45	PK2	34.1	-27.9	0	43.65	-	-	74	-30.35	0	100	H
* 7.26069	35.32	PK2	36.2	-25	0	46.52	-	-	74	-27.48	0	100	H
9.66079	33.13	PK2	37.1	-20.8	0	49.43	-	-	74	-24.57	0	100	H
9.65884	32.6	PK2	37	-20.9	0	48.7	-	-	74	-25.3	0	100	V
7.24188	35.37	PK2	36.2	-25.1	0	46.47	-	-	74	-27.53	0	100	V
* 4.82502	37.58	PK2	34.1	-27.8	0	43.88	-	-	74	-30.12	0	100	V

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

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

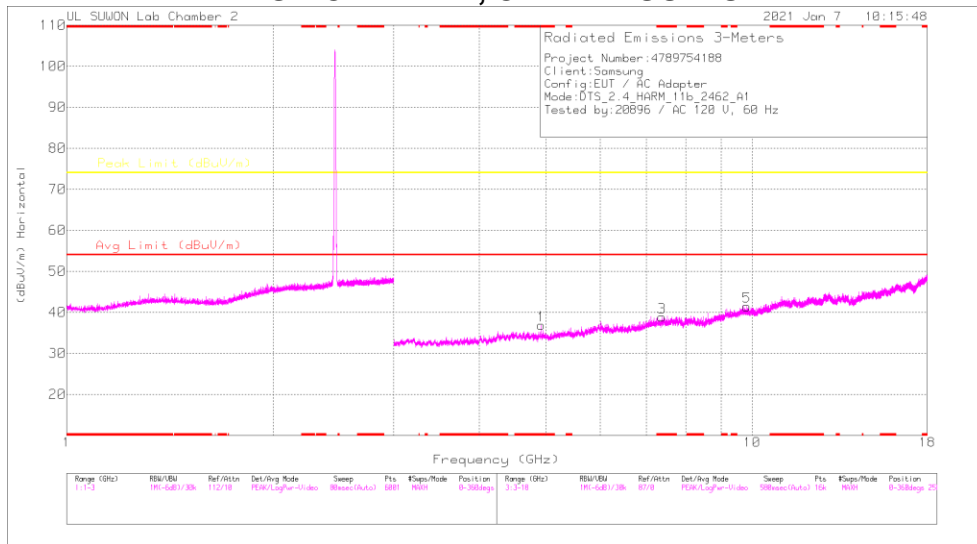
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

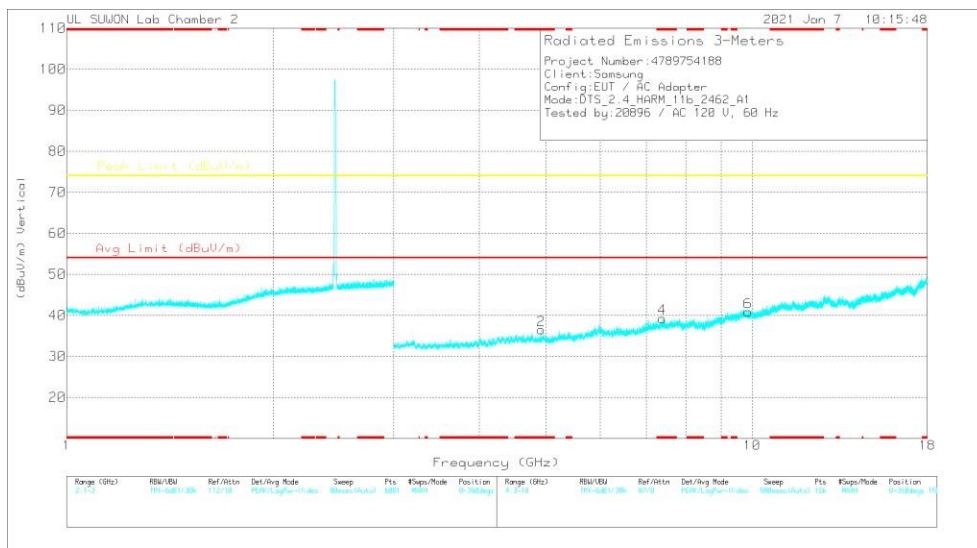
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.8739	40.13	PK2	34.1	-27.7	0	46.53	-	-	74	-27.47	42	125	H
* 4.87394	33.94	MAV1	34.1	-27.7	0	40.34	54	-13.66	-	-	42	125	H
* 4.87374	39.43	PK2	34.1	-27.7	0	45.83	-	-	74	-28.17	267	100	V
* 4.87398	32.41	MAV1	34.1	-27.7	0	38.81	54	-15.19	-	-	267	100	V
* 7.31059	37.39	PK2	36.2	-24.6	0	48.99	-	-	74	-25.01	158	109	H
* 7.31171	28.17	MAV1	36.2	-24.6	0	39.77	54	-14.23	-	-	158	109	H
* 7.30943	37.62	PK2	36.2	-24.7	0	49.12	-	-	74	-24.88	101	109	V
* 7.31191	27.9	MAV1	36.2	-24.6	0	39.5	54	-14.5	-	-	101	109	V
9.761	32.79	PK2	37.2	-20.5	0	49.49	-	-	74	-24.51	0	100	H
9.75975	33.08	PK2	37.2	-20.5	0	49.78	-	-	74	-24.22	0	100	V

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

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

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

Radiated Emissions

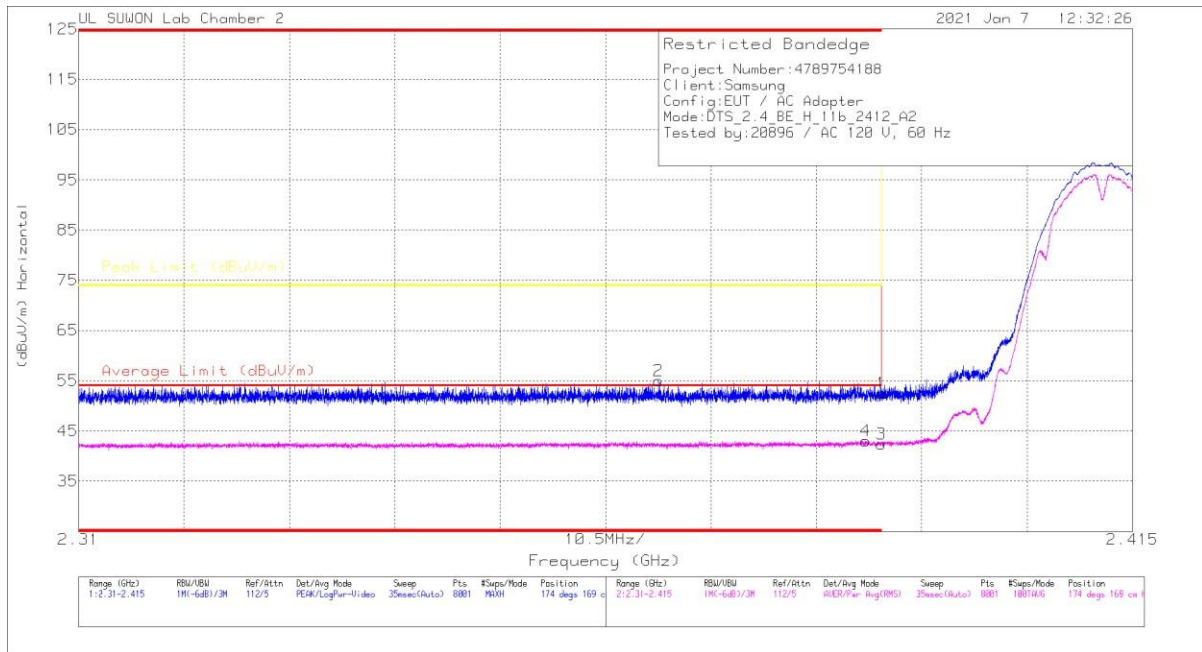
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.92375	37.53	PK2	34.1	-26.9	0	44.73	-	-	74	-29.27	44	101	H
* 4.92391	28.83	MAV1	34.1	-26.9	0	36.03	54	-17.97	-	-	44	101	H
* 4.92391	37.7	PK2	34.1	-26.9	0	44.9	-	-	74	-29.1	272	101	V
* 4.92391	28.41	MAV1	34.1	-26.9	0	35.61	54	-18.39	-	-	272	101	V
* 7.38724	35.69	PK2	36.1	-24	0	47.79	-	-	74	-26.21	360	100	H
* 7.38651	35.05	PK2	36.1	-24	0	47.15	-	-	74	-26.85	360	100	V
9.86001	32.44	PK2	37.3	-20.8	0	48.94	-	-	74	-25.06	360	100	H
9.86215	32.55	PK2	37.3	-20.8	0	49.05	-	-	74	-24.95	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

1TX Antenna 2 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

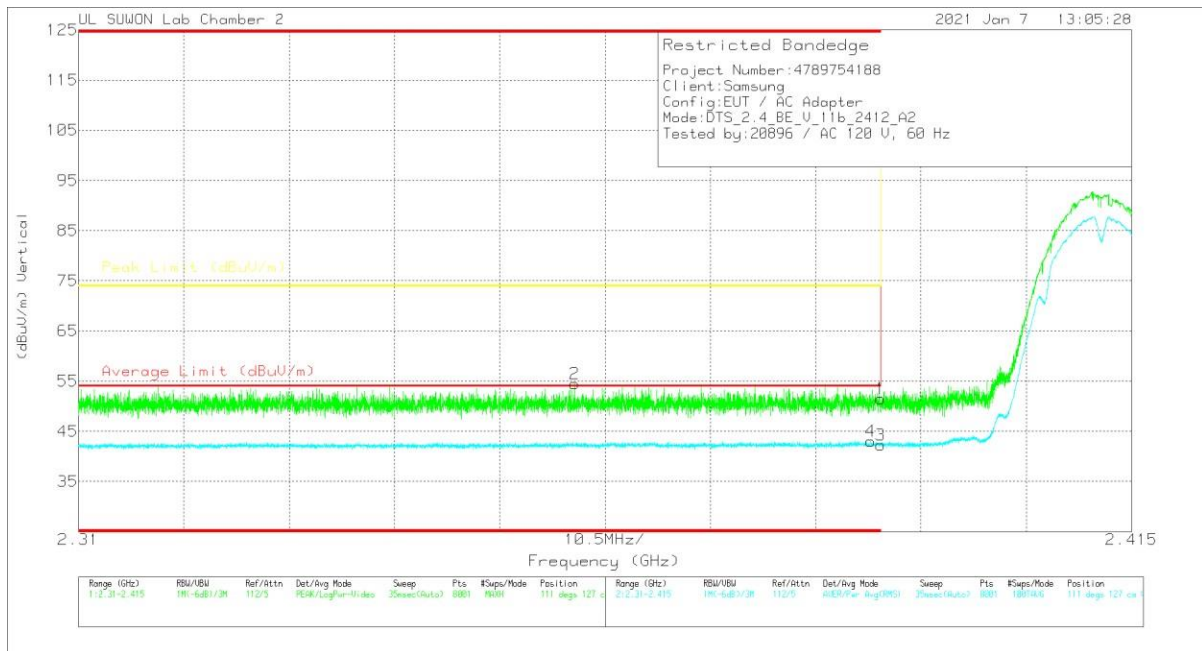
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.89	PK	31.9	-20.3	0	52.49	-	-	74	-21.51	174	169	H
2	* 2.36775	43.62	PK	31.9	-20.4	0	55.02	-	-	74	-18.98	174	169	H
3	* 2.39	33.76	RMS	31.9	-20.3	0	42.36	54	-11.64	-	-	174	169	H
4	* 2.38844	31.44	RMS	31.9	-20.3	0	43.04	54	-10.96	-	-	174	169	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



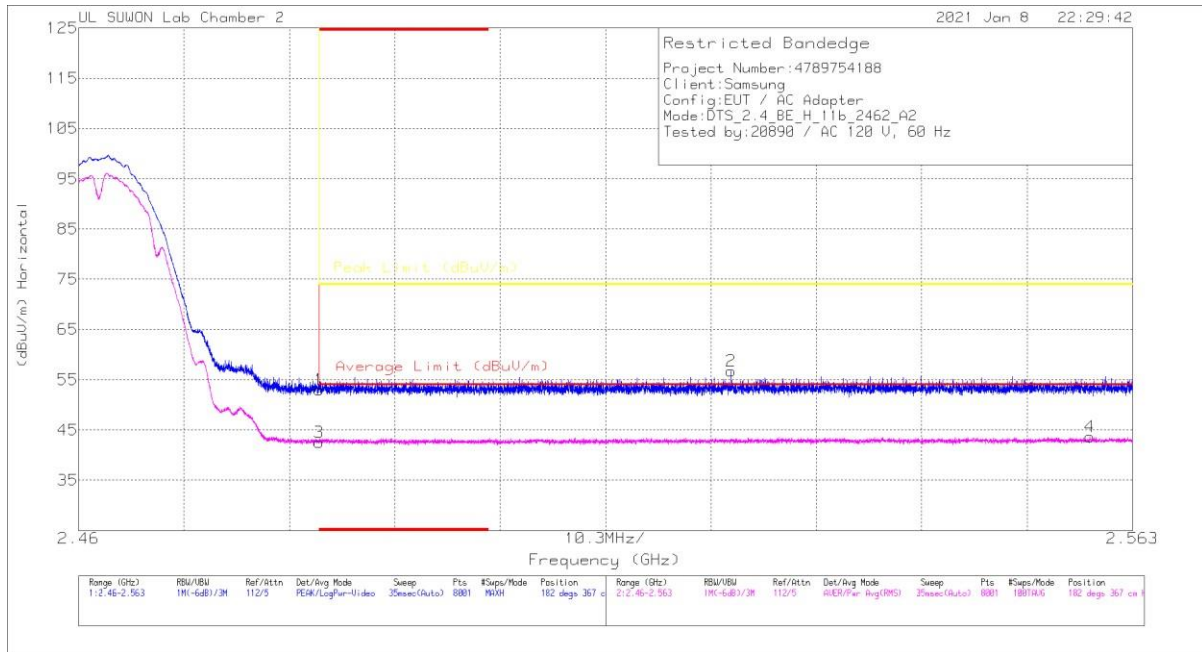
Trace Markers

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	39.85	PK	31.9	-20.3	0	51.45	-	-	74	-22.55	111	127	V
2	* 2.35347	43.14	PK	31.9	-20.4	0	54.54	-	-	74	-19.46	111	127	V
3	* 2.39	30.63	RMS	31.9	-20.3	0	42.23	54	-11.77	-	-	111	127	V
4	* 2.389	31.44	RMS	31.9	-20.3	0	43.04	54	-10.96	-	-	111	127	V

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

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

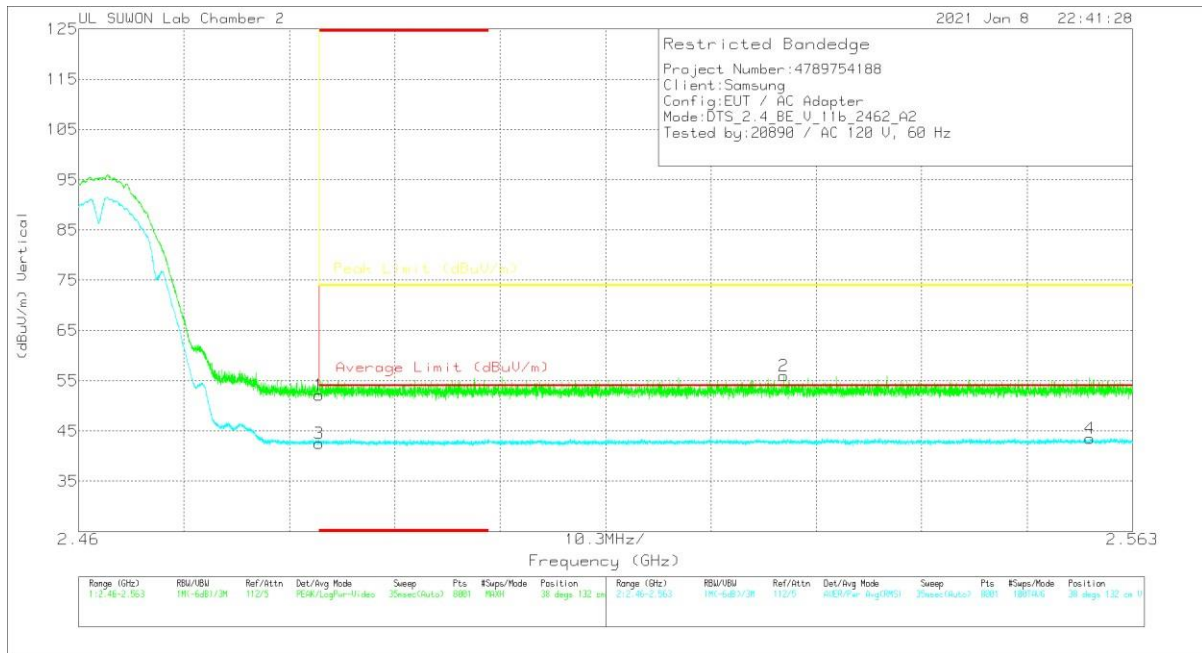


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV/m)	Det	3117_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	41.22	PK	32	-20.2	0	53.02	-	-	74	-20.98	182	367	H
2	2.5228	44.71	PK	32.1	-20.1	0	56.71	-	-	74	-17.29	182	367	H
3	* 2.48351	30.69	RMS	32	-20.2	0	42.89	54	-11.51	-	-	182	367	H
4	2.55882	31.4	RMS	32.2	-20	0	43.6	54	-10.4	-	-	182	367	H

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

VERTICAL RESULT



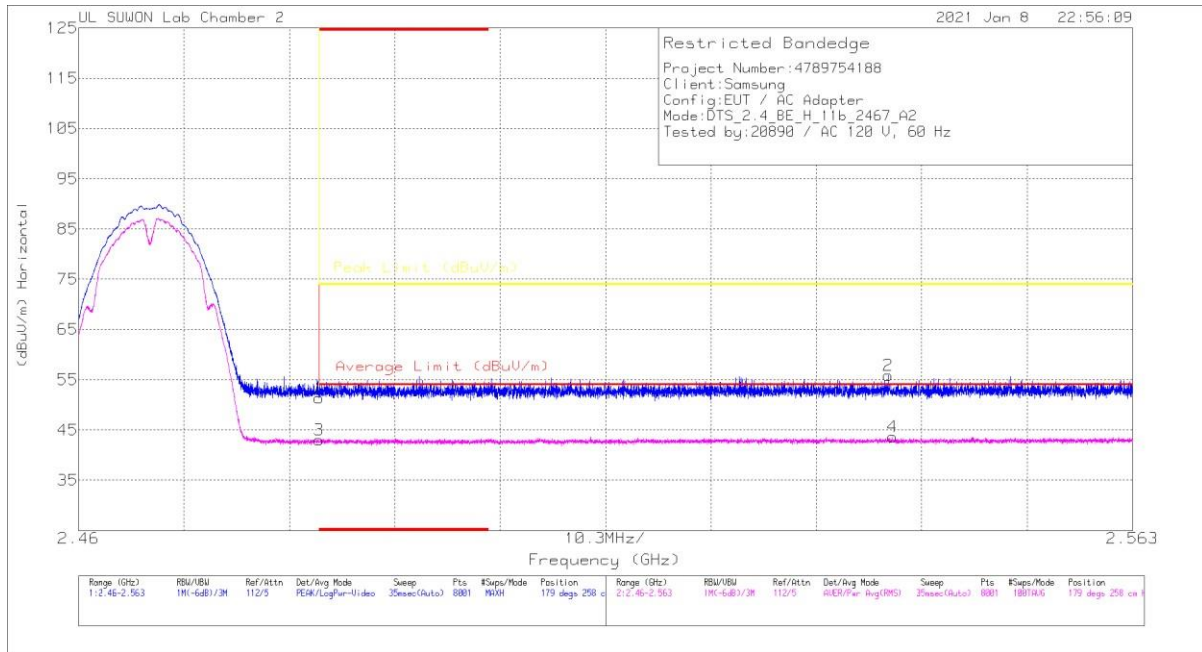
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
1	*2.48351	43.34	PK	32	-20.2	0	52.14	-	-	74	-21.88	38	132	V
2	2.52892	43.89	PK	32.1	-20	0	55.99	-	-	74	-18.01	38	132	V
3	*2.48351	30.72	RMS	32	-20.2	0	42.52	54	-11.48	-	-	38	132	V
4	2.55885	31.37	RMS	32.2	-20	0	43.57	54	-10.43	-	-	38	132	V

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

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT

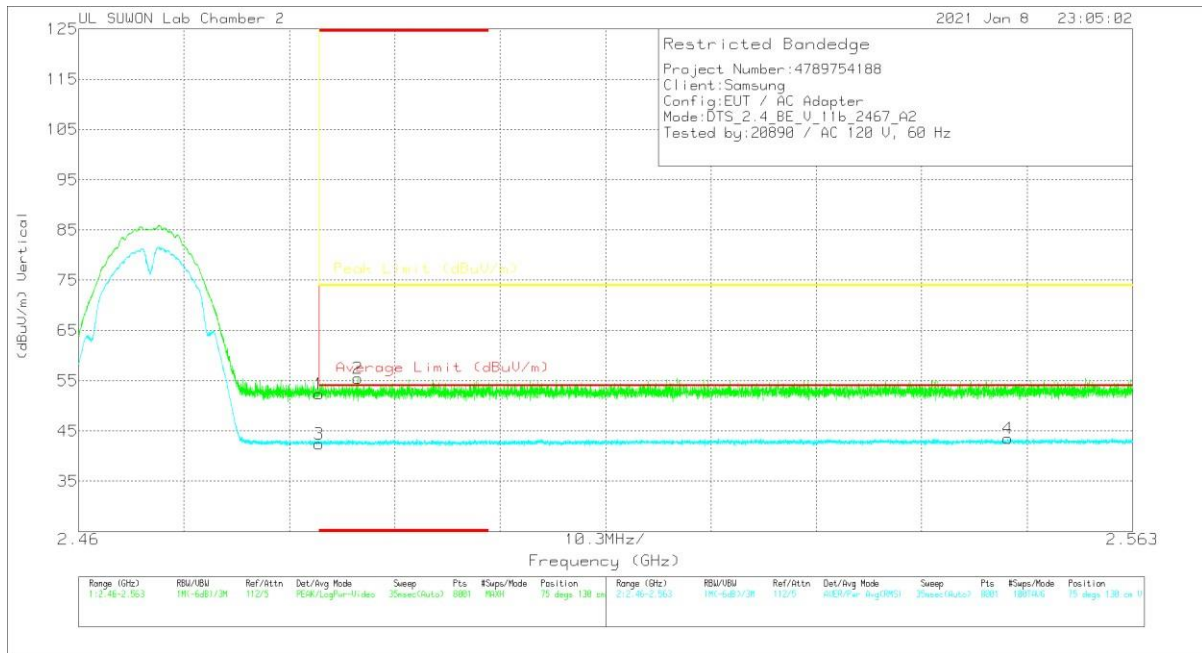


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	39.6	PK	32	-20.2	0	51.4	-	-	74	-22.6	179	258	H
2	2.53912	43.72	PK	32.1	-20	0	55.82	-	-	74	-18.18	179	258	H
3	* 2.48351	31.21	RMS	32	-20.2	0	43.01	54	-10.99	-	-	179	258	H
4	2.53957	31.66	RMS	32.1	-20.1	0	43.66	54	-10.34	-	-	179	258	H

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

VERTICAL RESULT



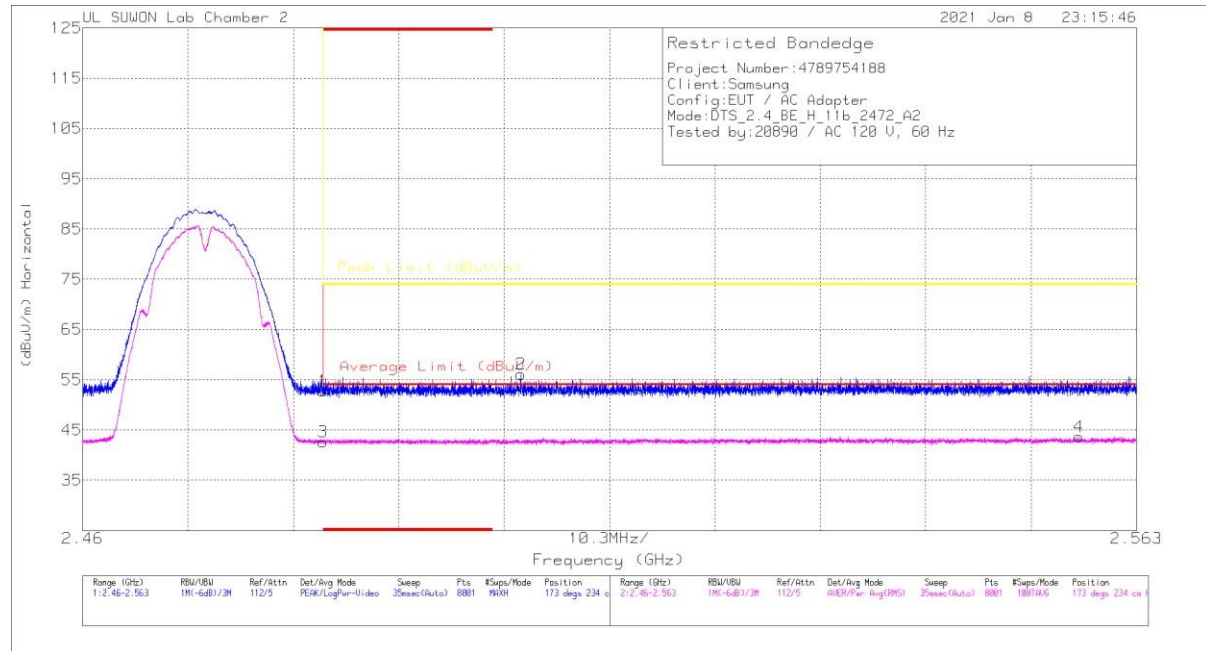
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
1	*2.48351	40.83	PK	32	-20.2	0	52.43	-	-	74	-21.57	75	130	V
2	*2.4873	43.71	PK	32	-20.2	0	55.51	-	-	74	-18.49	75	130	V
3	*2.48351	30.57	RMS	32	-20.2	0	42.37	54	-11.63	-	-	75	130	V
4	2.55079	31.39	RMS	32.2	-20.1	0	43.49	54	-10.51	-	-	75	130	V

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

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

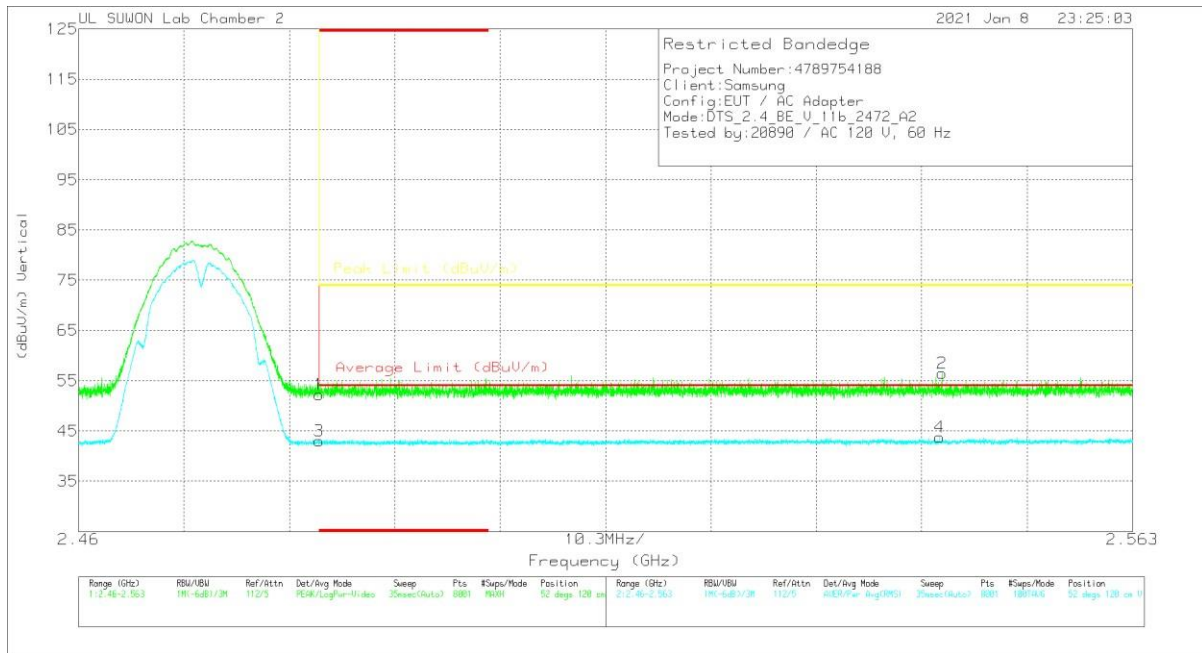


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168/24	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	40.92	PK	32	-20.2	0	52.72	-	-	74	-21.28	173	234	H
2	2.50285	44.2	PK	32.1	-20.2	0	56.1	-	-	74	-17.9	173	234	H
3	* 2.48351	30.9	RMS	32	-20.2	0	42.7	54	-11.3	-	-	173	234	H
4	2.55737	31.53	RMS	32.2	-20.1	0	43.63	54	-10.37	-	-	173	234	H

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

VERTICAL RESULT

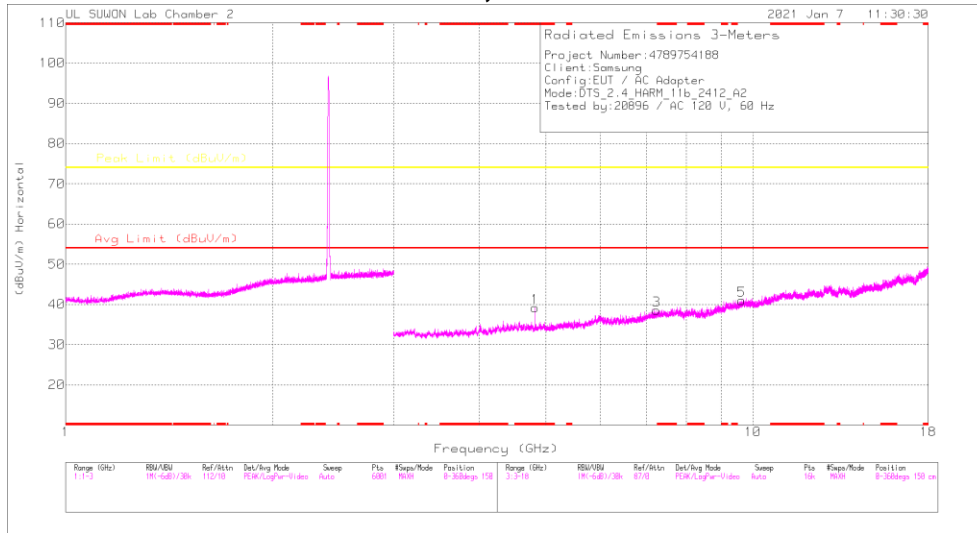


Trace Markers

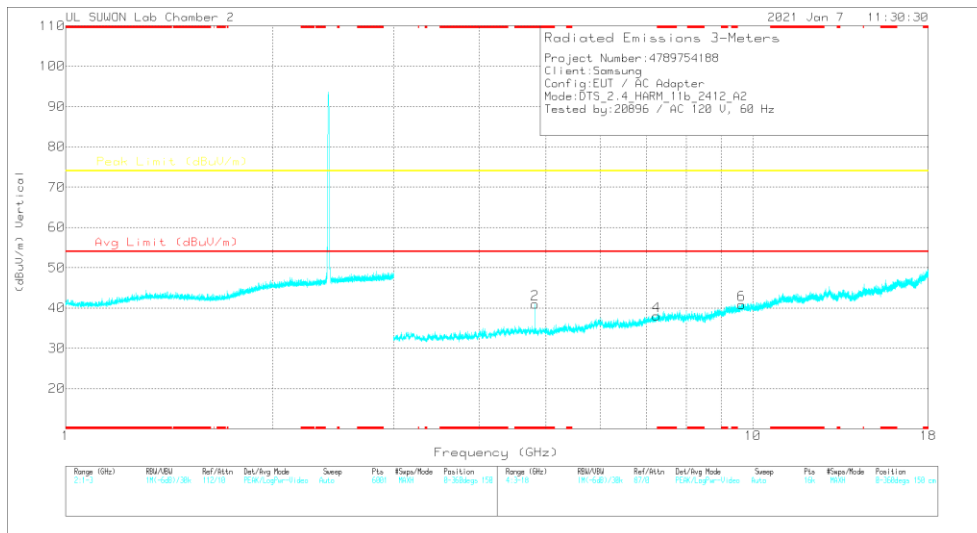
Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.48351	40.42	PK	32.1	-20.2	0	52.22	-	-	74	-21.78	52	120	V
2	2.54437	44.51	PK	32.1	-20.1	0	56.51	-	-	74	-17.49	52	120	V
3	2.48351	31.23	RMS	32.1	-20.2	0	43.03	54	-10.97	-	-	52	120	V
4	2.54414	31.72	RMS	32.1	-20.1	0	43.72	54	-10.28	-	-	52	120	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

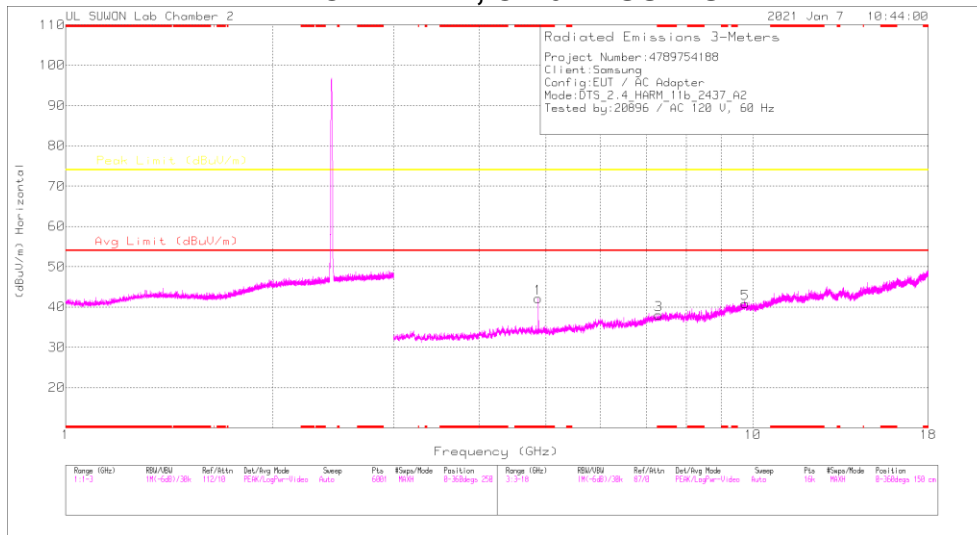
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

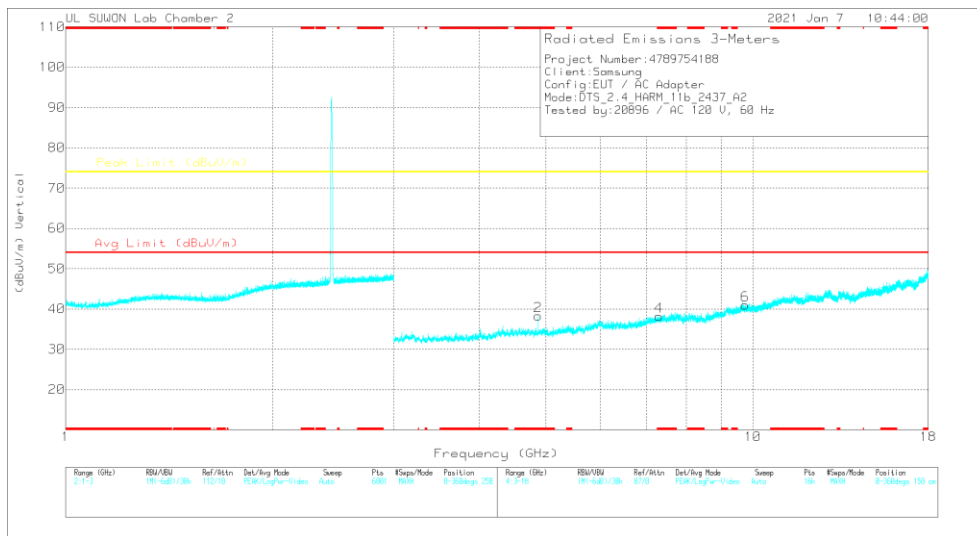
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82396	42.25	PK2	34.1	-27.9	0	48.45	-	-	74	-25.55	254	108	H
* 4.82396	32.36	MAV1	34.1	-27.9	0	38.56	54	-15.44	-	-	254	108	H
* 4.82376	39.97	PK2	34.1	-27.9	0	46.17	-	-	74	-27.83	133	134	V
* 4.82392	33.84	MAV1	34.1	-27.9	0	40.04	54	-13.96	-	-	133	134	V
7.24098	35.75	PK2	36.2	-25.1	0	46.85	-	-	74	-27.15	0	100	H
7.24301	35.74	PK2	36.2	-25.1	0	46.84	-	-	74	-27.16	0	100	V
9.63342	32.74	PK2	37	-20.8	0	48.94	-	-	74	-25.06	0	100	H
9.63264	33.07	PK2	37	-20.8	0	49.27	-	-	74	-24.73	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

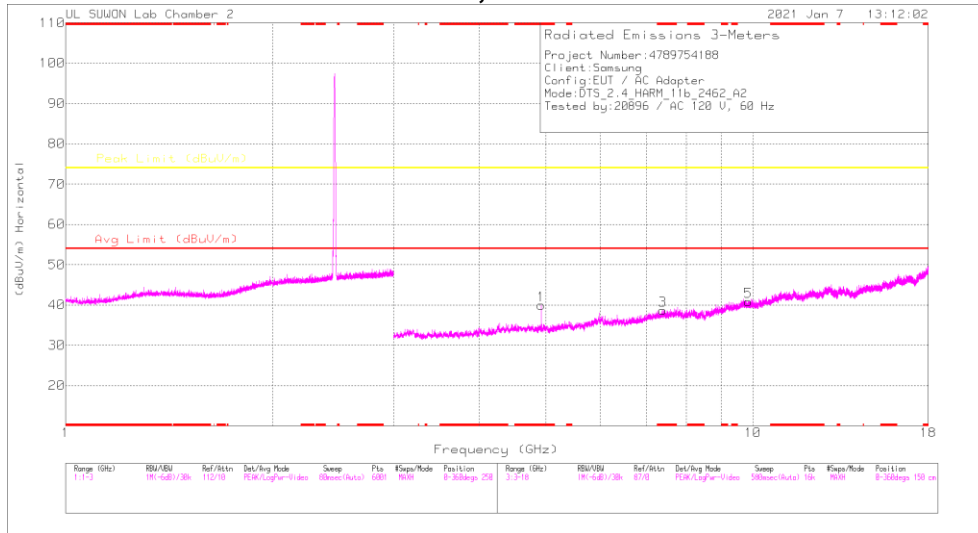
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

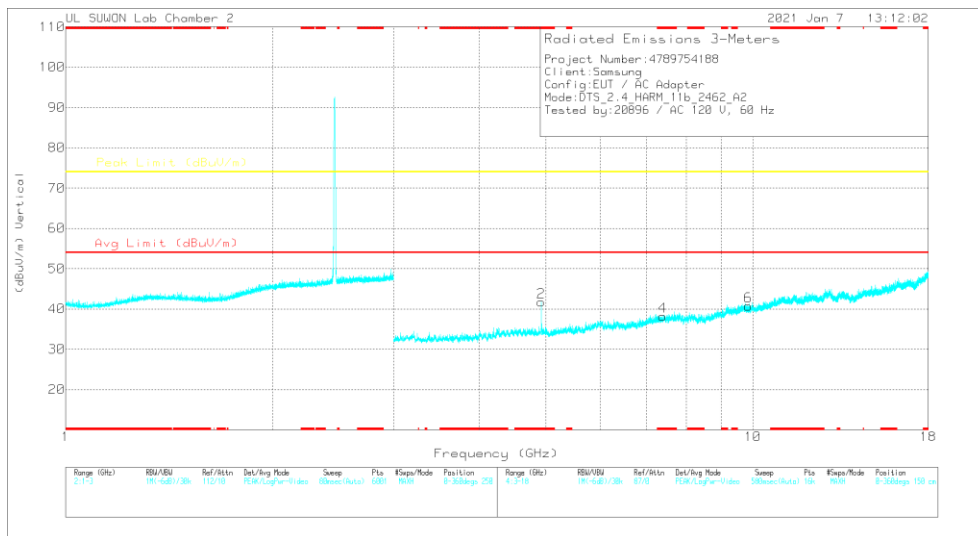
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872 4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87394	43.25	PK2	34.1	-27.7	0	49.65	-	-	74	-24.35	224	109	H
* 4.87394	35.94	MAV1	34.1	-27.7	0	42.34	54	-11.66	-	-	224	109	H
* 4.87414	41.2	PK2	34.1	-27.7	0	47.6	-	-	74	-26.4	150	169	V
* 4.87394	32.73	MAV1	34.1	-27.7	0	39.13	54	-14.87	-	-	150	169	V
* 7.29633	35.71	PK2	36.2	-24.7	0	47.21	-	-	74	-26.79	0	100	H
* 7.29855	35.39	PK2	36.2	-24.7	0	46.89	-	-	74	-27.11	0	100	V
9.74443	33.02	PK2	37.2	-20.5	0	49.72	-	-	74	-24.28	0	100	H
9.74324	32.67	PK2	37.2	-20.4	0	49.47	-	-	74	-24.53	0	100	V

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

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

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

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.92385	40.04	PK2	34.1	-26.9	0	47.24	-	-	74	-26.76	226	118	H
* 4.92398	30.97	MAV1	34.1	-26.8	0	38.27	54	-15.73	-	-	226	118	H
* 4.92396	41.07	PK2	34.1	-26.8	0	48.37	-	-	74	-25.63	178	172	V
* 4.92396	33.86	MAV1	34.1	-26.8	0	41.16	54	-12.84	-	-	178	172	V
* 7.39839	34.89	PK2	36.1	-23.8	0	47.19	-	-	74	-26.81	0	100	H
* 7.39588	34.29	PK2	36.1	-23.8	0	46.59	-	-	74	-27.41	0	100	V
9.85197	32.84	PK2	37.3	-20.9	0	49.24	-	-	74	-24.76	0	100	H
9.85248	32.9	PK2	37.3	-21	0	49.2	-	-	74	-24.8	0	100	V

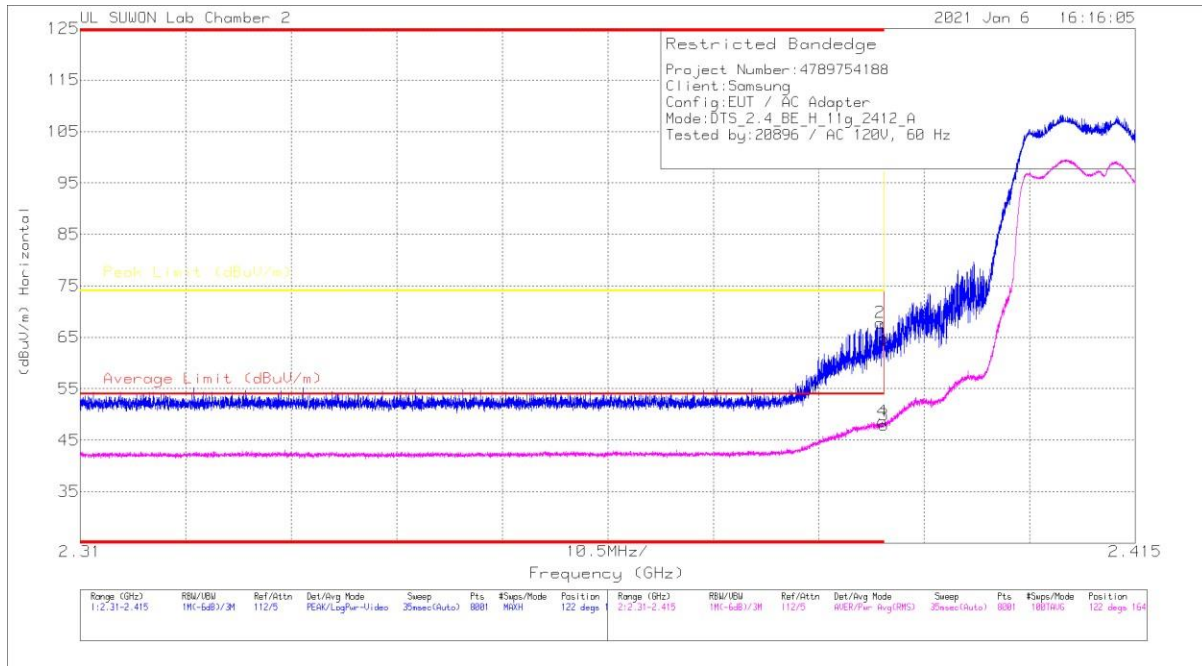
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAV1 - KDB558074 Option 1 Maximum RMS Average

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

2TX Antenna 1 + Antenna 2

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT

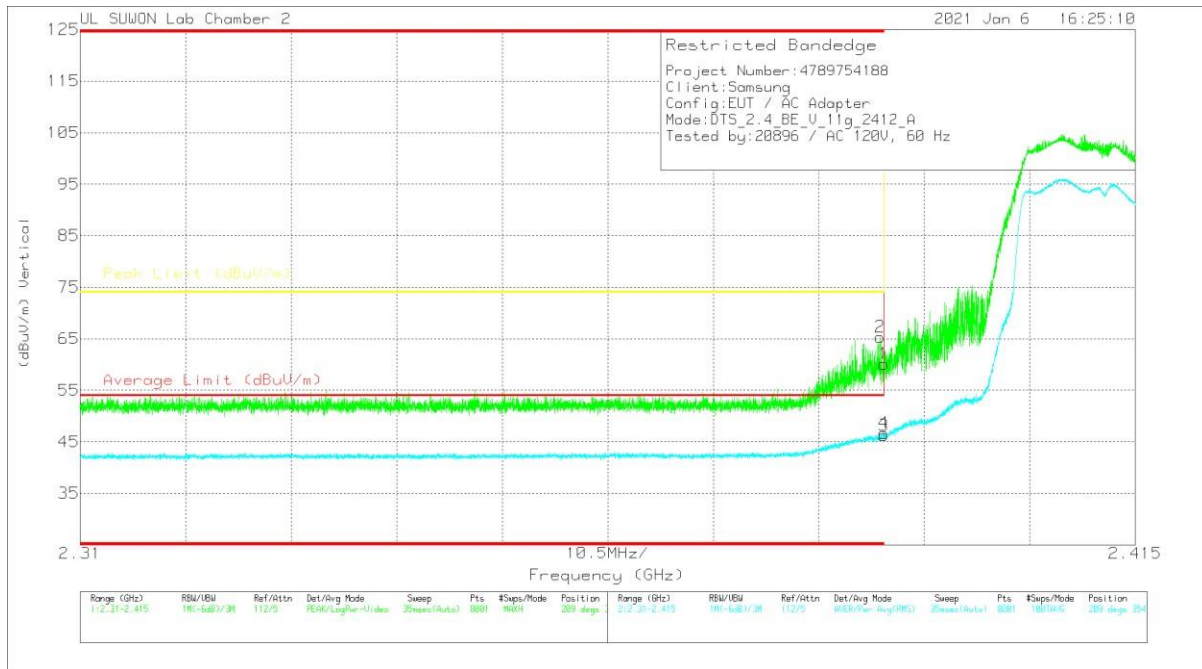


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.15	PK	31.9	-20.3	0	64.75	-	-	74	-9.22	122	164	H
2	* 2.38959	56.22	PK	31.9	-20.3	0	67.82	-	-	74	-6.18	122	164	H
3	* 2.39	36.23	RMS	31.9	-20.3	.11	47.94	54	-6.06	-	-	122	164	H
4	* 2.38984	36.93	RMS	31.9	-20.3	.11	48.64	54	-5.36	-	-	122	164	H

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

VERTICAL RESULT



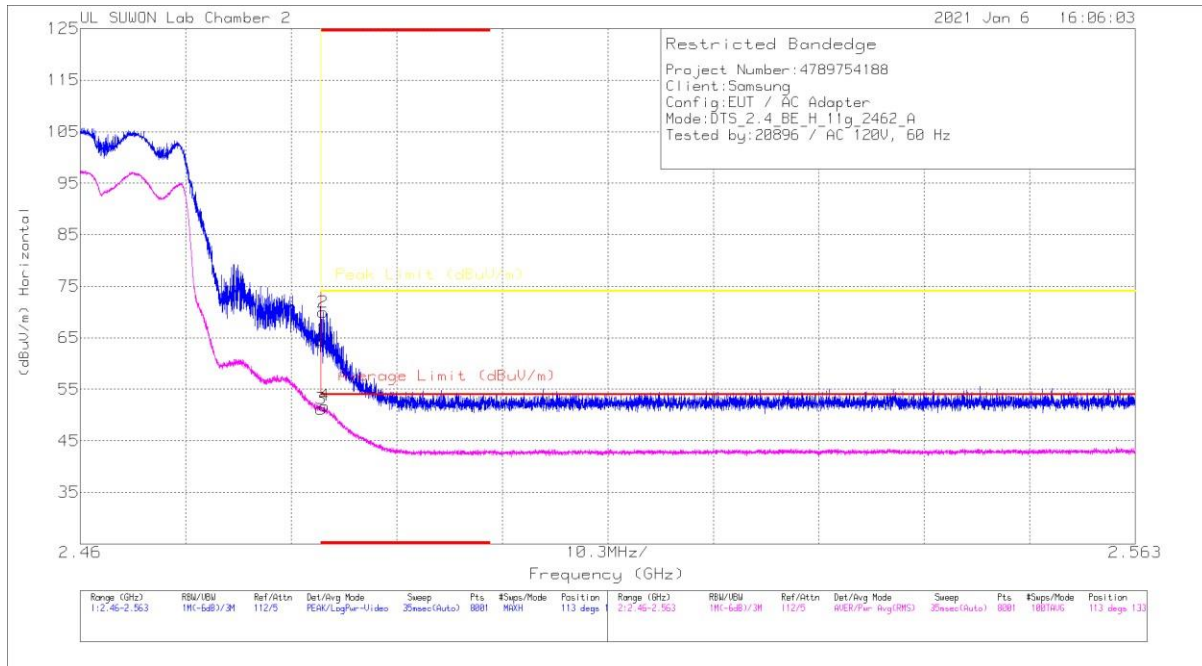
Trace Markers

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	45.53	PK	31.9	-20.3	0	65.13	-	-	74	-13.87	209	354	V
2	* 2.38959	53.73	PK	31.9	-20.3	0	65.33	-	-	74	-8.67	209	354	V
3	* 2.39	34.52	RMS	31.9	-20.3	.11	46.23	54	-7.77	-	-	209	354	V
4	* 2.38996	34.98	RMS	31.9	-20.3	.11	46.69	54	-7.31	-	-	209	354	V

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

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

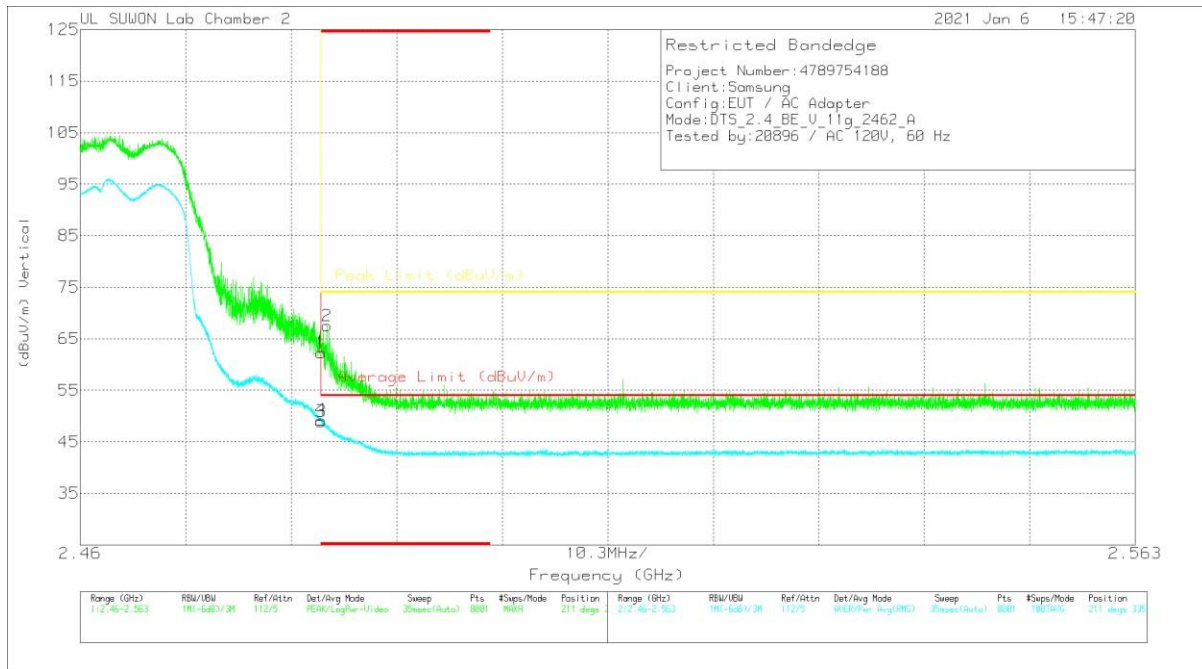


Trace Markers

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	52.7	PK	32	-20.2	0	64.5	-	-	74	-9.5	113	133	H
2	* 2.4837	58.14	PK	32	-20.2	0	69.94	-	-	74	-4.06	113	133	H
3	* 2.48351	38.31	RMS	32	-20.2	.11	51.22	54	-2.78	-	-	113	133	H
4	* 2.48388	39.9	RMS	32	-20.2	.11	51.81	54	-2.19	-	-	113	133	H

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

VERTICAL RESULT



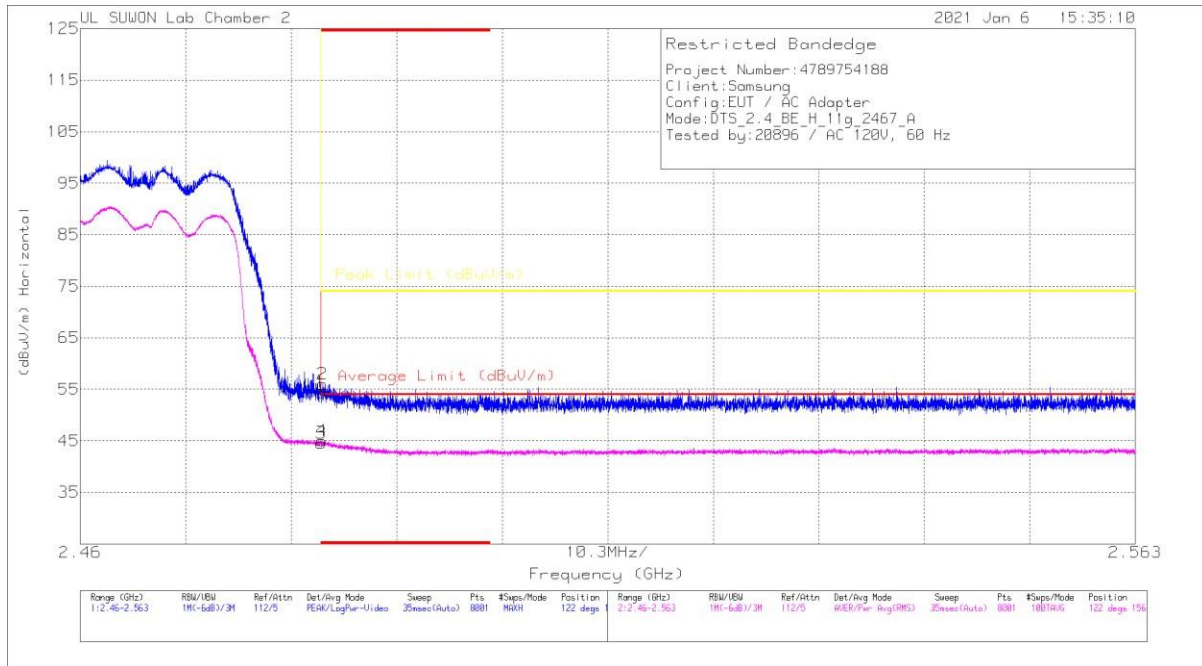
Trace Markers

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	51.5	PK	32	-20.2	0	67.52	-	-	74	-11.7	211	335	V
2	* 2.4841	55.72	PK	32	-20.2	0	67.52	-	-	74	-6.48	211	335	V
3	* 2.48351	37.07	RMS	32	-20.2	.11	48.98	54	-5.02	-	-	211	335	V
4	* 2.48352	37.31	RMS	32	-20.2	.11	49.22	54	-4.78	-	-	211	335	V

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

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT

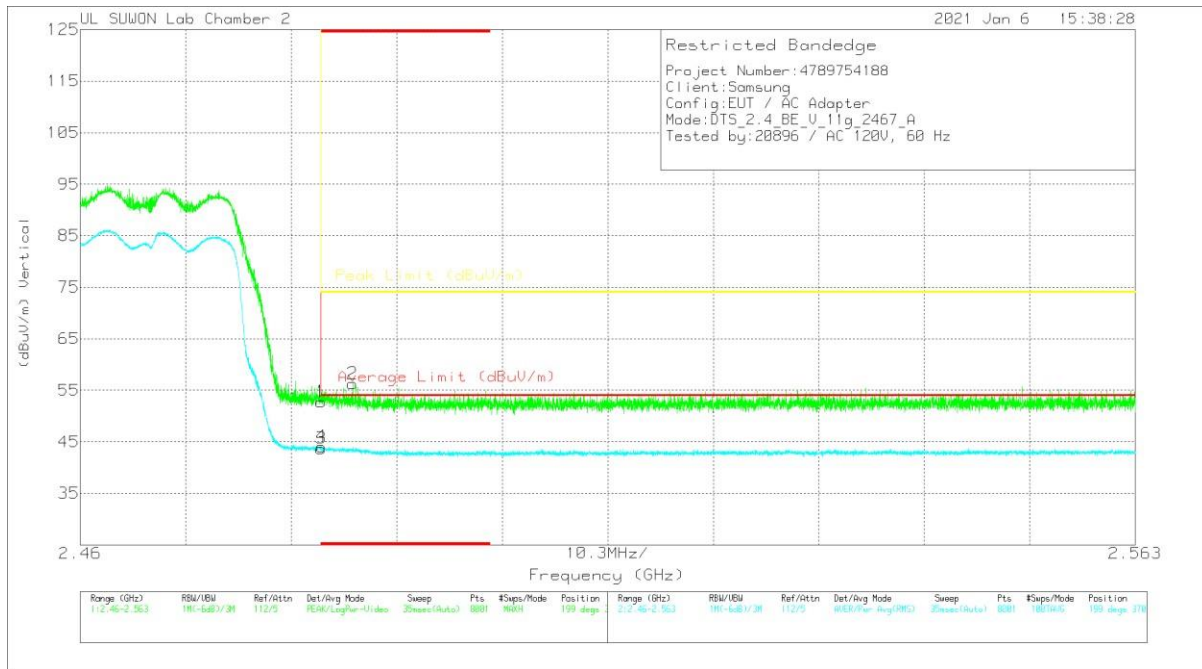


Trace Markers

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	42.59	PK	32	-20.2	0	54.39	-	-	74	-19.61	122	156	H
2	2.48354	44.19	PK	32	-20.2	0	55.99	-	-	74	-18.01	122	156	H
3	2.48351	32.67	RMS	32	-20.2	.11	44.56	54	-9.42	-	-	122	156	H
4	2.48357	33.09	RMS	32	-20.2	.11	45	54	-9	-	-	122	156	H

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

VERTICAL RESULT



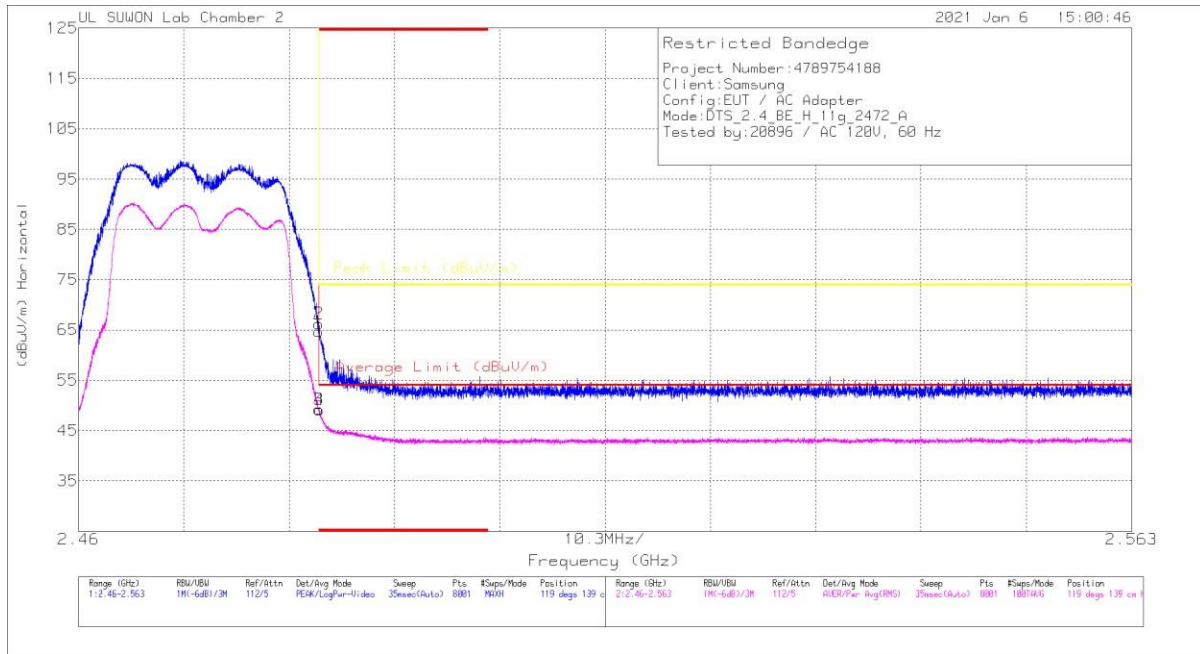
Trace Markers

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	40.55	PK	32	-20.2	0	52.75	-	-	74	-21.25	199	370	V
2	* 2.48659	44.48	PK	32	-20.2	0	56.28	-	-	74	-17.72	199	370	V
3	* 2.48351	31.83	RMS	32	-20.2	.11	43.74	54	-10.26	-	-	199	370	V
4	* 2.48355	32.19	RMS	32	-20.2	.11	44.1	54	-9.9	-	-	199	370	V

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

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

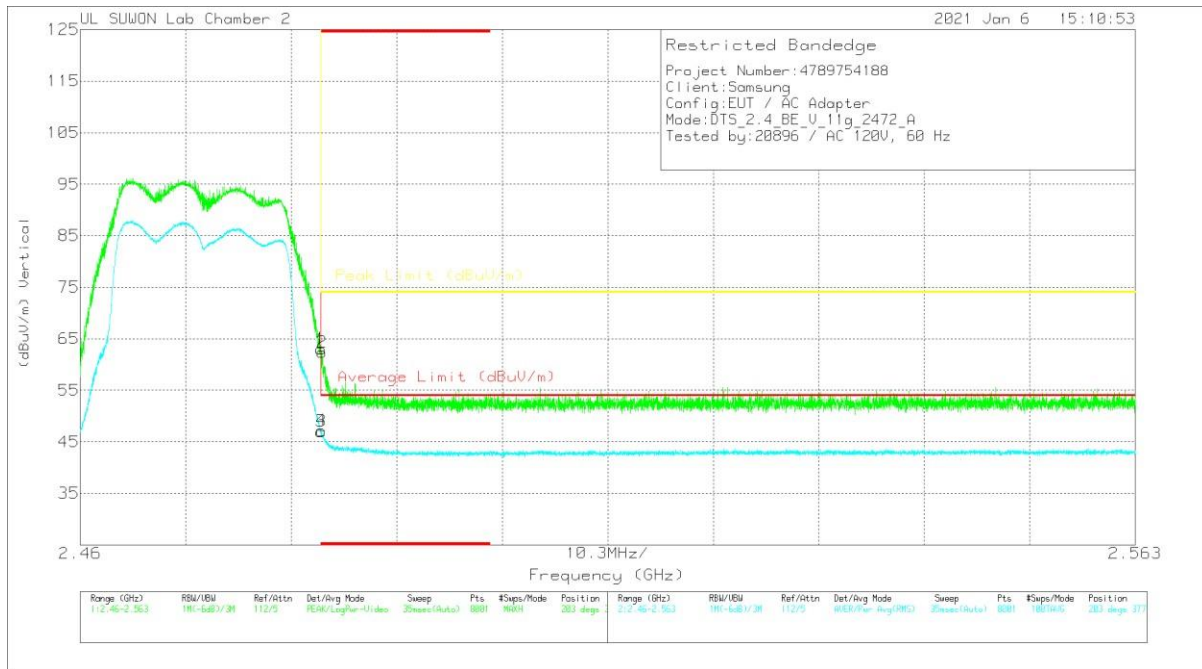


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	52.97	PK	32	-20.2	0	64.77	-	-	74	-9.23	119	139	H
2	* 2.48352	54.47	PK	32	-20.2	0	66.27	-	-	74	-7.73	119	139	H
3	2.48351	37.32	RMS	32	-20.2	.11	49.23	54	-4.77	-	-	119	139	H
4	2.48351	37.25	RMS	32	-20.2	.11	49.16	54	-4.34	-	-	119	139	H

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

VERTICAL RESULT

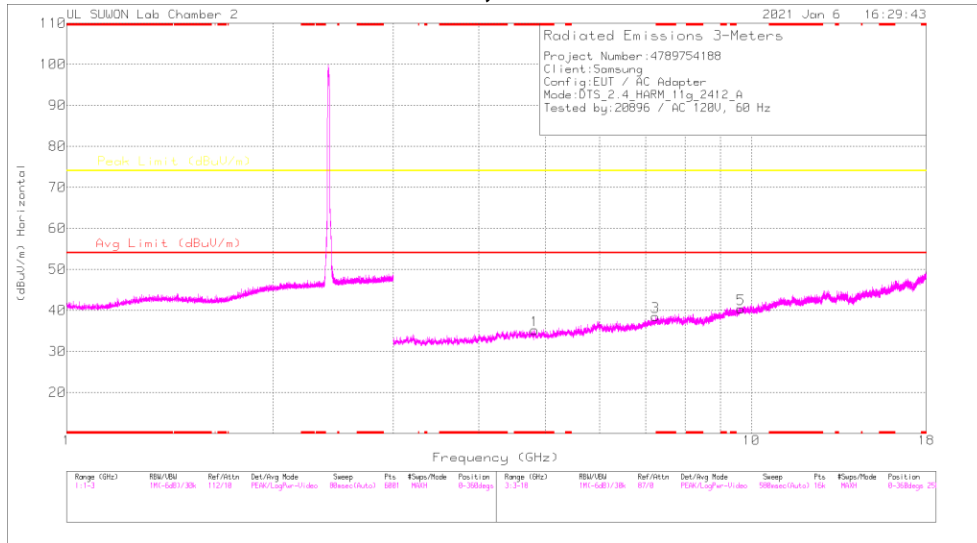


Trace Markers

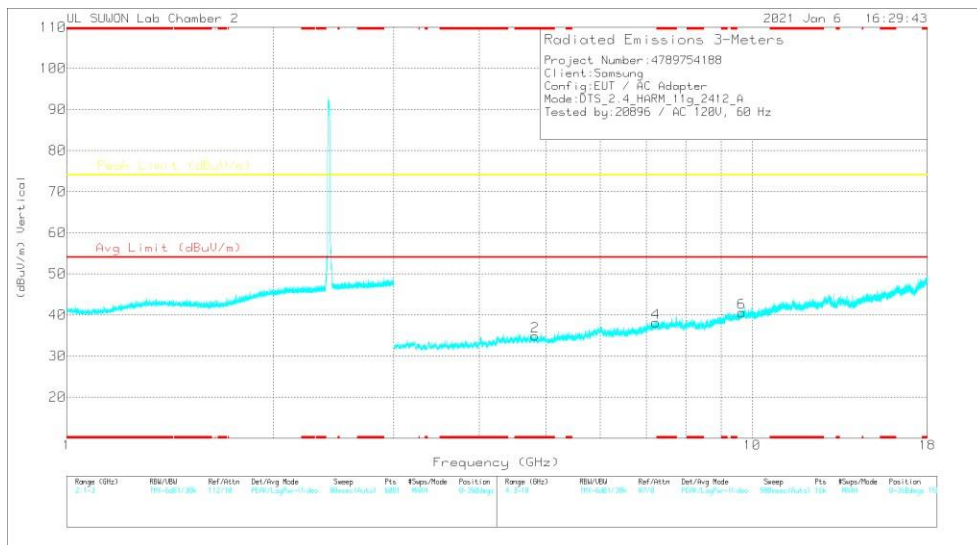
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	51.21	PK	32	-20.2	0	83.01	-	-	74	-10.39	203	377	V
2	* 2.4836	50.56	PK	32	-20.2	0	82.36	-	-	74	-11.64	203	377	V
3	* 2.48351	35.13	RMS	32	-20.2	.11	47.04	54	-6.96	-	-	203	377	V
4	* 2.48355	35.27	RMS	32	-20.2	.11	47.18	54	-6.82	-	-	203	377	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

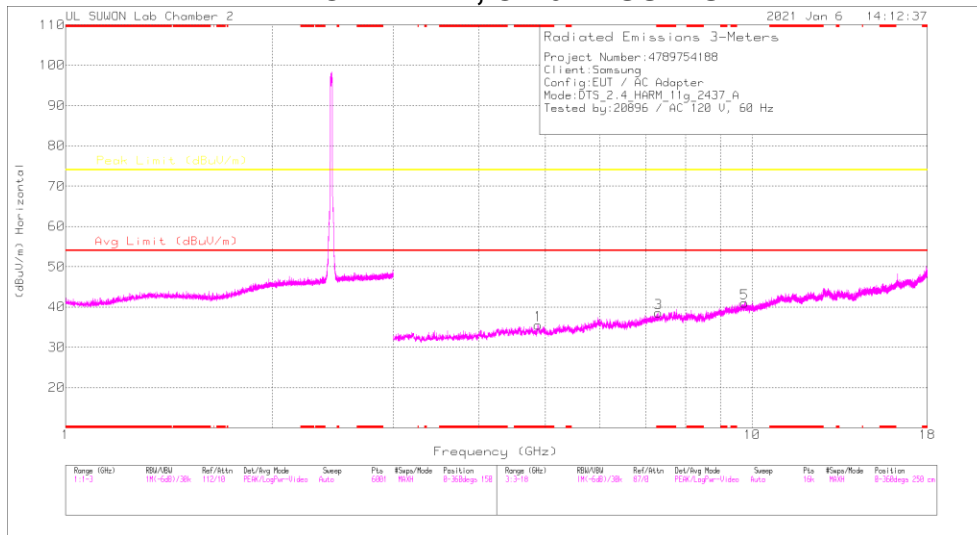
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

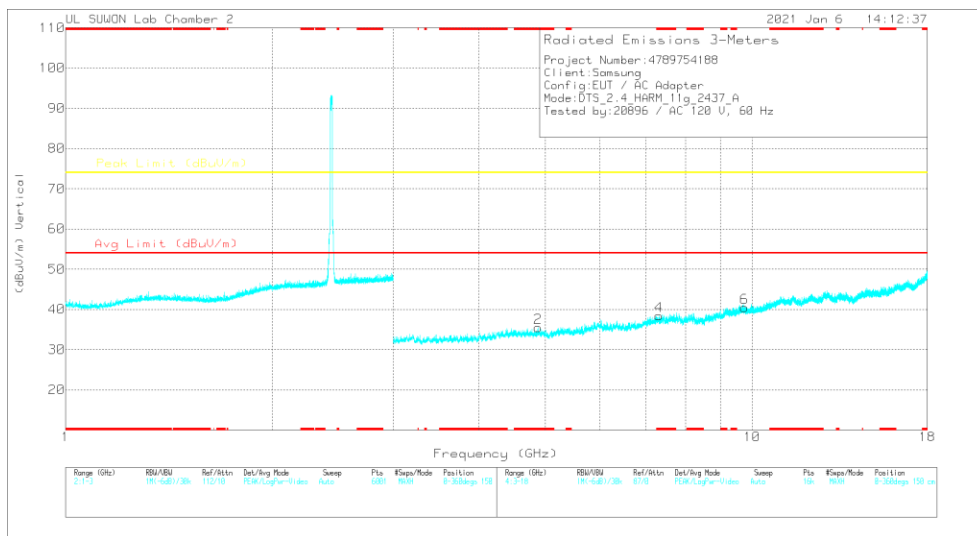
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82483	29.28	Avg	34.1	-27.8	0	35.58	-	-	74	-38.42	360	100	H
* 4.82134	37.36	PK2	34.1	-27.9	0	43.56	-	-	74	-30.44	360	100	V
7.2381	35.96	PK2	36.2	-25	0	47.16	-	-	74	-26.84	360	100	H
7.23451	36.04	PK2	36.2	-25.1	0	47.14	-	-	74	-26.86	360	100	V
9.6492	32.52	PK2	37	-20.8	0	48.72	-	-	74	-25.28	360	100	H
9.64585	33.07	PK2	37	-20.8	0	49.27	-	-	74	-24.73	360	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Avg - Video bandwidth < Resolution bandwidth
 PK2 - KDB558074 Method: Maximum Peak

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

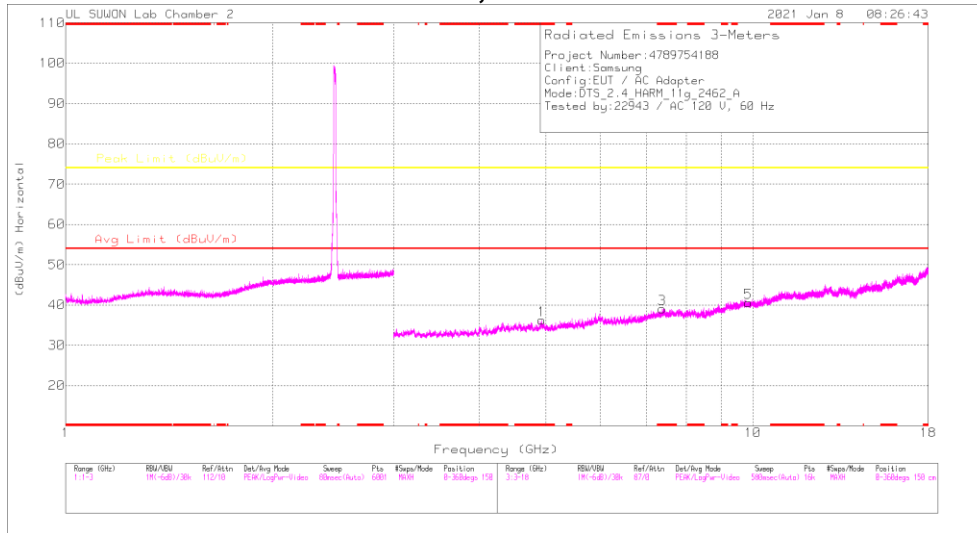
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

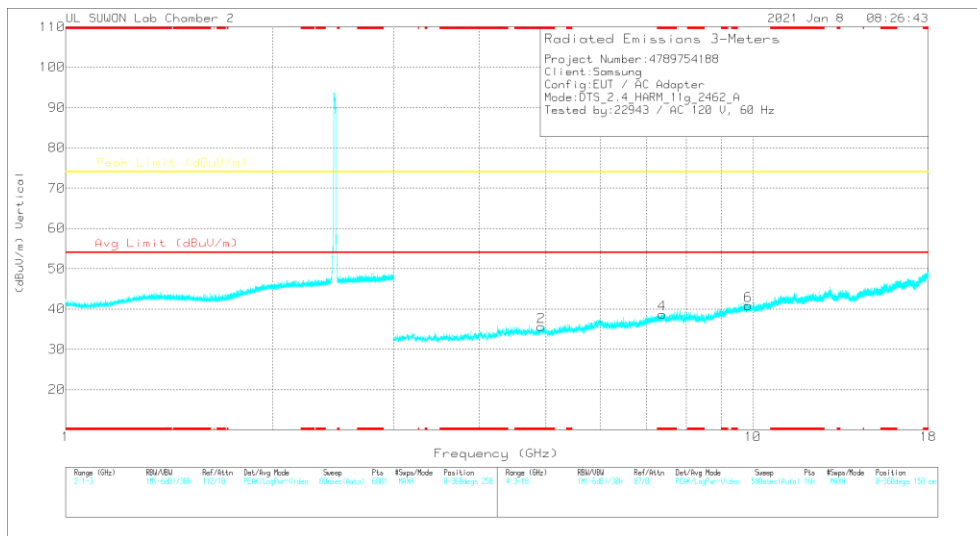
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87544	38.6	PK2	34.1	-27.7	0	45	-	-	74	-29	43	168	H
* 4.87464	26.72	MAV1	34.1	-27.7	.11	33.23	54	-20.77	-	-	43	168	H
* 4.87672	39.34	PK2	34.1	-27.6	0	45.84	-	-	74	-28.16	82	103	V
* 4.87636	27.32	MAV1	34.1	-27.6	.11	33.93	54	-20.07	-	-	82	103	V
* 7.3016	36.18	PK2	36.2	-24.7	0	47.68	-	-	74	-26.32	0	100	H
* 7.30337	35.86	PK2	36.2	-24.7	0	47.36	-	-	74	-26.64	0	100	V
9.75198	31.93	PK2	37.2	-20.5	0	48.63	-	-	74	-25.37	0	100	H
9.75231	32.87	PK2	37.2	-20.5	0	49.57	-	-	74	-24.43	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_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
* 4.92997	39.32	PK2	34.1	-26.9	0	46.52	-	-	74	-27.48	360	100	H
* 4.92679	36.68	PK2	34.1	-27	0	43.78	-	-	74	-30.22	360	100	V
* 7.3857	35.75	PK2	36.1	-24	0	47.85	-	-	74	-26.15	360	100	H
* 7.38593	35.69	PK2	36.1	-24	0	47.79	-	-	74	-26.21	360	100	V
9.8483	32.62	PK2	37.3	-20.9	0	49.02	-	-	74	-24.98	360	100	H
9.8487	32.94	PK2	37.3	-20.9	0	49.34	-	-	74	-24.66	360	100	V

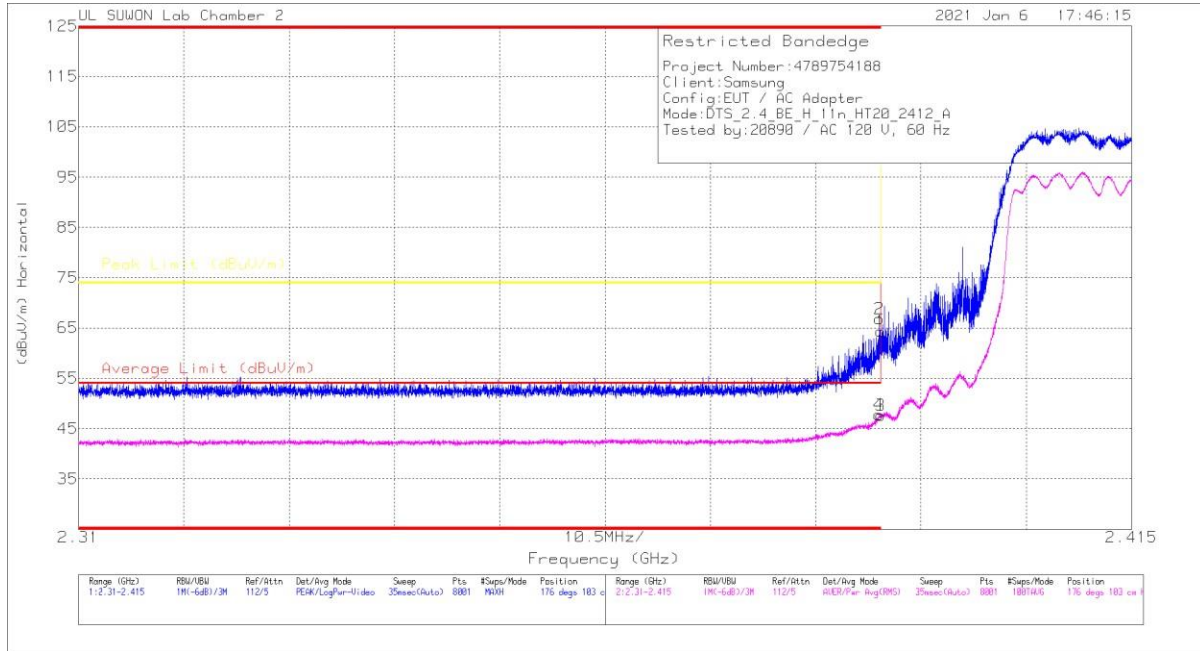
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak

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

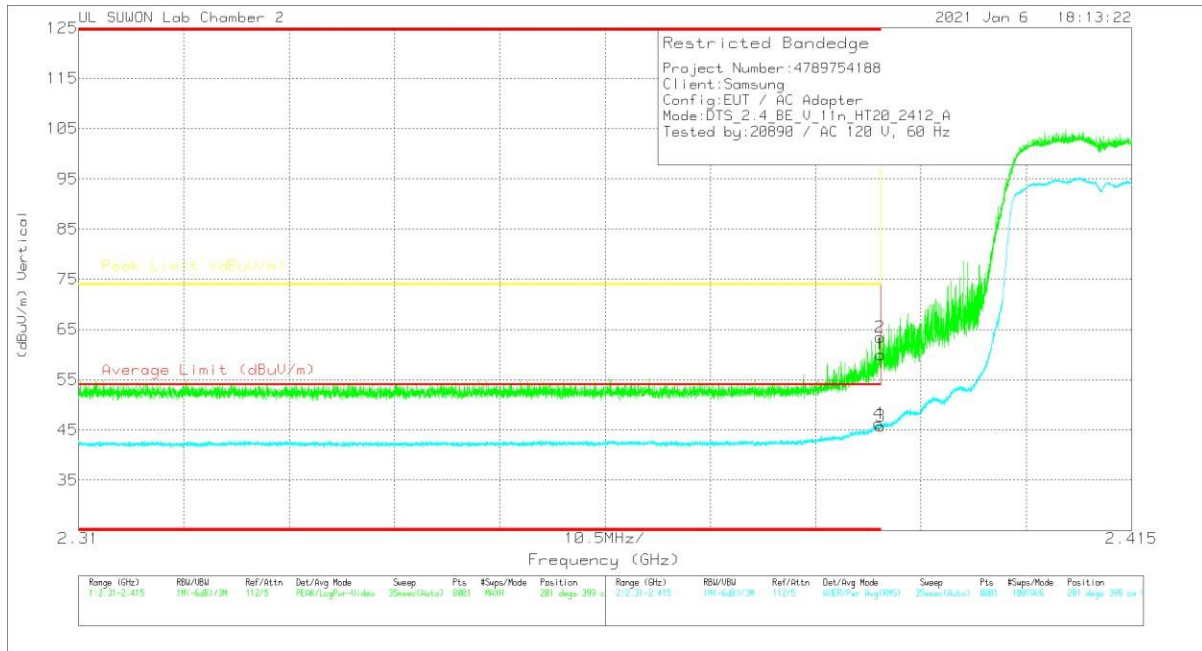


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_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	52.75	PK	31.9	-20.3	0	64.35	-	-	74	-9.65	176	103	H
2	* 2.38988	55.22	PK	31.9	-20.3	0	66.82	-	-	74	-7.18	176	103	H
3	* 2.39	35.92	RMS	31.9	-20.3	.11	47.63	54	-6.37	-	-	176	103	H
4	* 2.3898	36.06	RMS	31.9	-20.3	.11	47.77	54	-6.23	-	-	176	103	H

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

VERTICAL RESULT



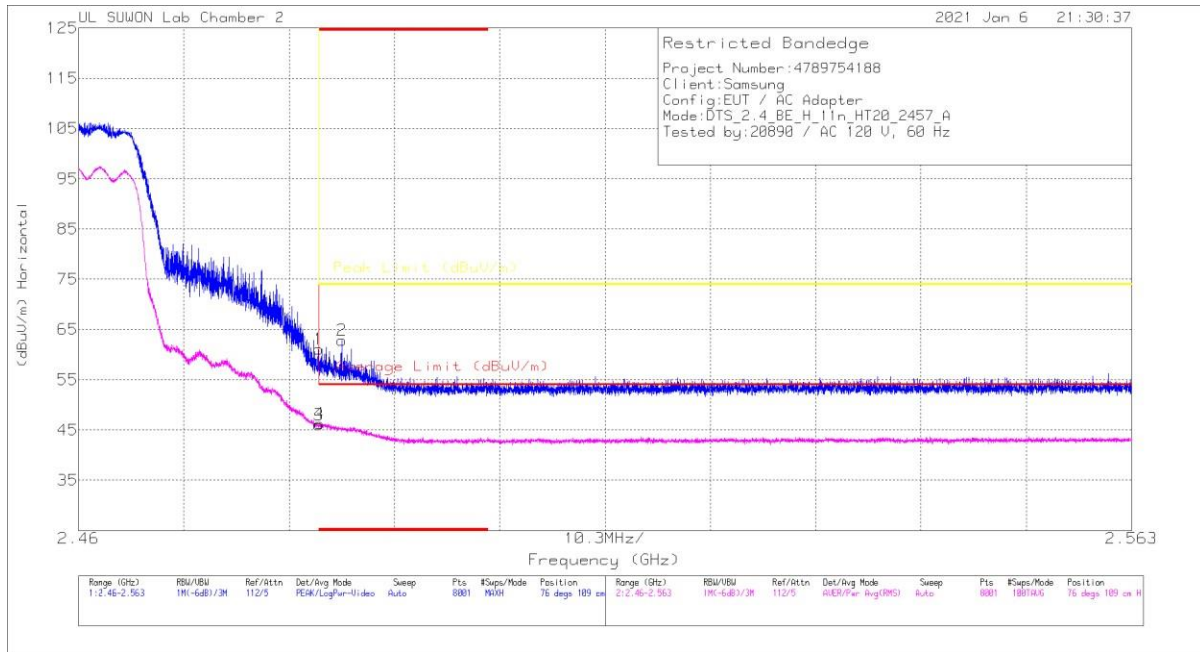
Trace Markers

Marker	Frequency (GHz)	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)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.389	48.44	PK	31.9	-20.3	0	68.04	-	-	74	-13.96	201	399	V
2	* 2.38991	51.86	PK	31.9	-20.3	0	83.46	-	-	74	-10.54	201	399	V
3	* 2.39	34.05	RMS	31.9	-20.3	-11	45.76	54	-8.24	-	-	201	399	V
4	* 2.3898	34.56	RMS	31.9	-20.3	-11	46.27	54	-7.73	-	-	201	399	V

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

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT

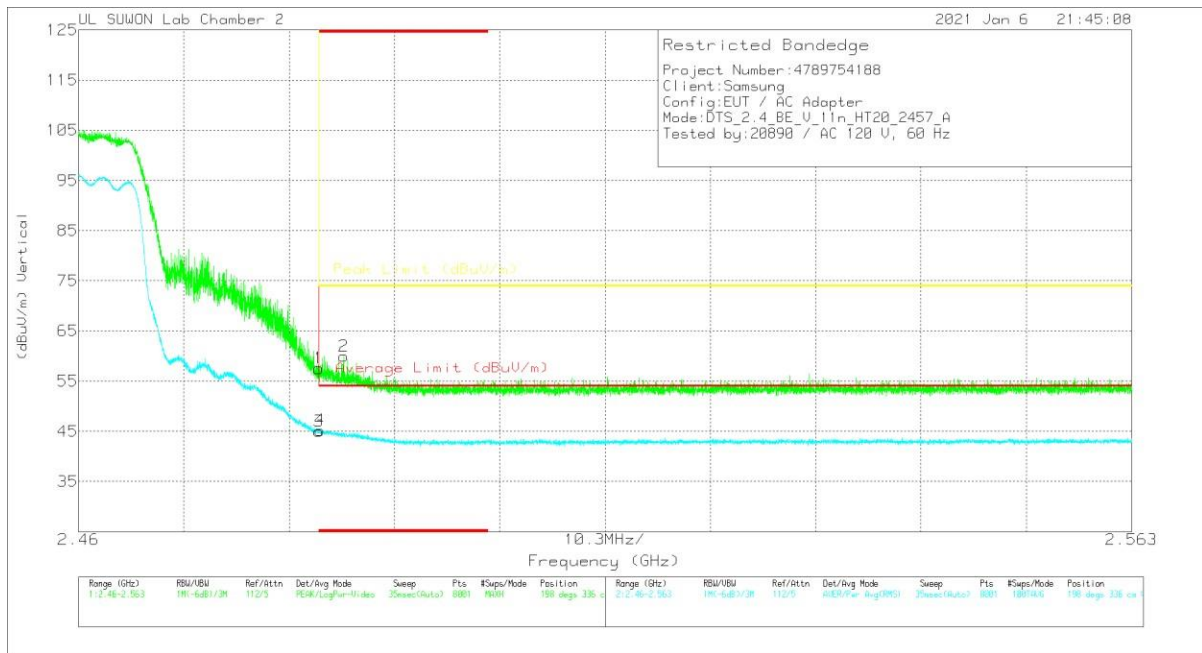


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.31	PK	32	-20.2	0	61.11	-	-	74	-12.89	76	109	H
2	* 2.48574	51.08	PK	32	-20.2	0	62.88	-	-	74	-11.12	76	109	H
3	* 2.48351	34.13	RMS	32	-20.2	.11	48.04	54	-7.98	-	-	76	109	H
4	* 2.48357	34.35	RMS	32	-20.2	.11	48.26	54	-7.74	-	-	76	109	H

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

VERTICAL RESULT



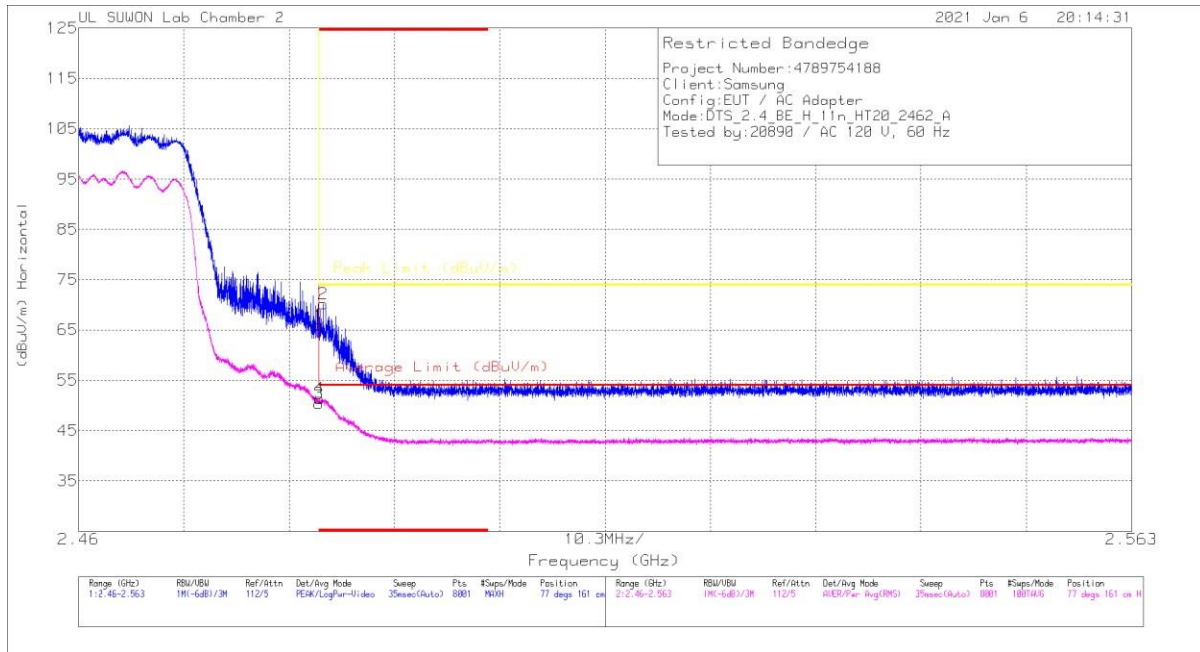
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV/m)	Det	3117_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 (Deg)	Height (m)	Polarity
1	* 2.48351	48.2	PK	32	-20.2	0	37.35	-	-	74	-18.45	198	336	V
2	* 2.48394	48.2	PK	32	-20.2	0	60	-	-	74	-	198	336	V
3	* 2.48351	33.15	RMS	32	-20.2	.11	45.06	54	-8.94	-	-	198	336	V
4	* 2.48363	33.3	RMS	32	-20.2	.11	45.21	54	-8.79	-	-	198	336	V

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

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

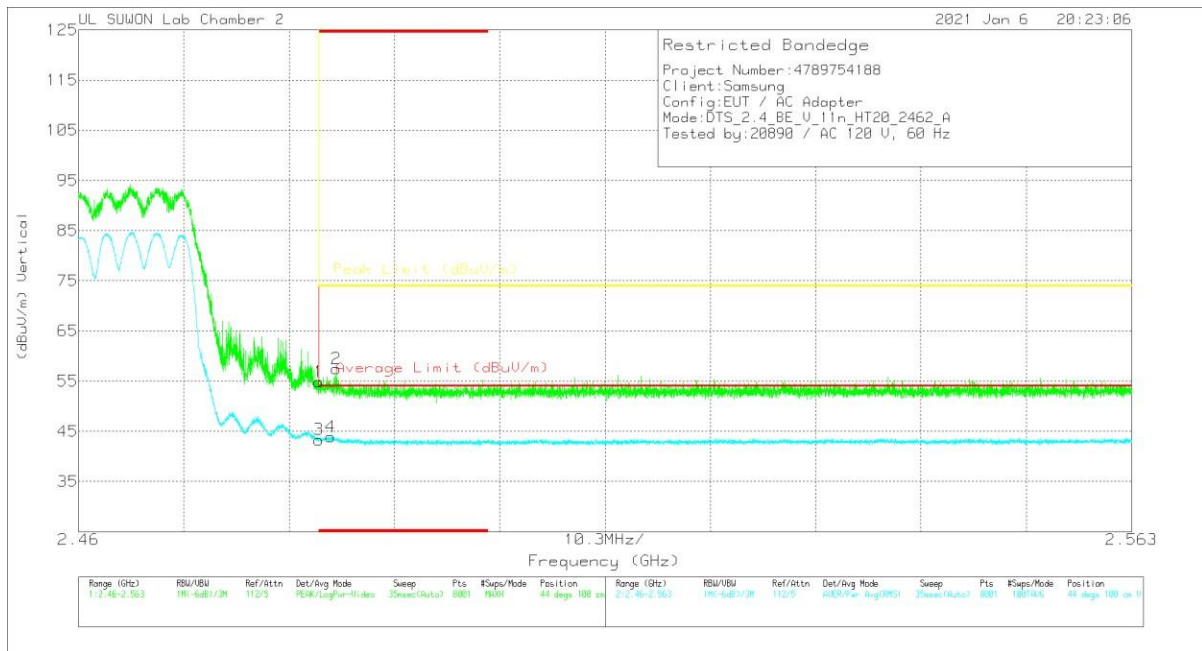


Trace Markers

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	54.11	PK	32	-20.2	0	65.91	-	-	74	-8.09	77	161	H
2	* 2.48393	58.35	PK	32	-20.2	0	70.15	-	-	74	-3.85	77	161	H
3	* 2.48351	38.45	RMS	32	-20.2	.11	50.36	54	-3.64	-	-	77	161	H
4	* 2.48357	38.44	RMS	32	-20.2	.11	51.35	54	-2.85	-	-	77	161	H

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

VERTICAL RESULT



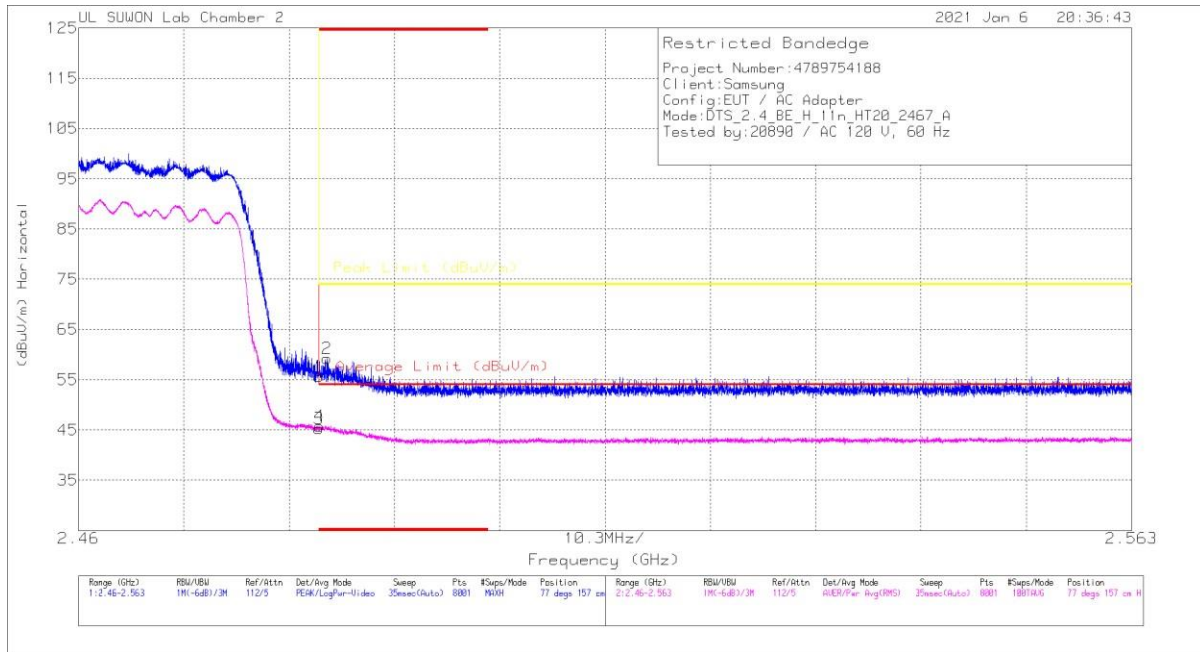
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.04	PK	32	-20.2	0	54.94	-	-	74	-19.18	44	100	V
2	* 2.48524	45.65	PK	32	-20.2	0	57.45	-	-	74	-16.55	44	100	V
3	* 2.48351	31.43	RMS	32	-20.2	.11	43.34	54	-10.66	-	-	44	100	V
4	* 2.48463	32.04	RMS	32	-20.2	.11	43.95	54	-10.05	-	-	44	100	V

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

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT

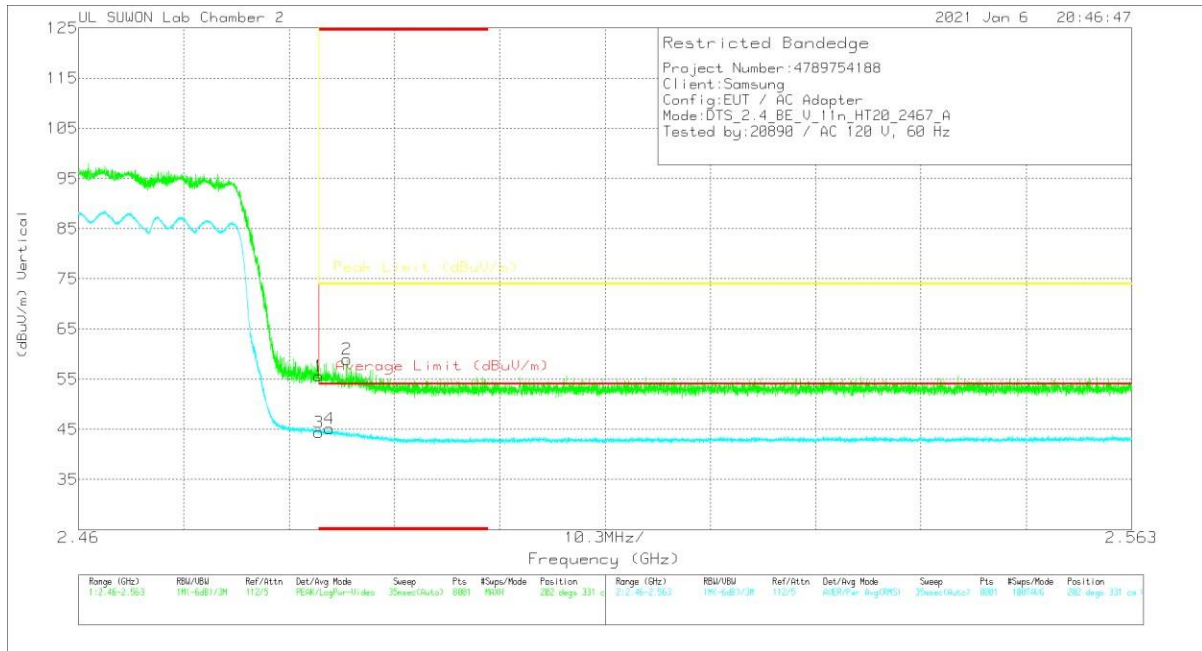


Trace Markers

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)	Polariz
1	* 2.48351	43.86	PK	32	-20.2	0	55.66	-	-	74	-18.34	77	157	H
2	* 2.48428	47.4	PK	32	-20.2	0	59.2	-	-	74	-14.8	77	157	H
3	* 2.48351	33.31	RMS	32	-20.2	.11	45.22	54	-8.78	-	-	77	157	H
4	* 2.48355	33.88	RMS	32	-20.2	.11	45.79	54	-8.21	-	-	77	157	H

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

VERTICAL RESULT



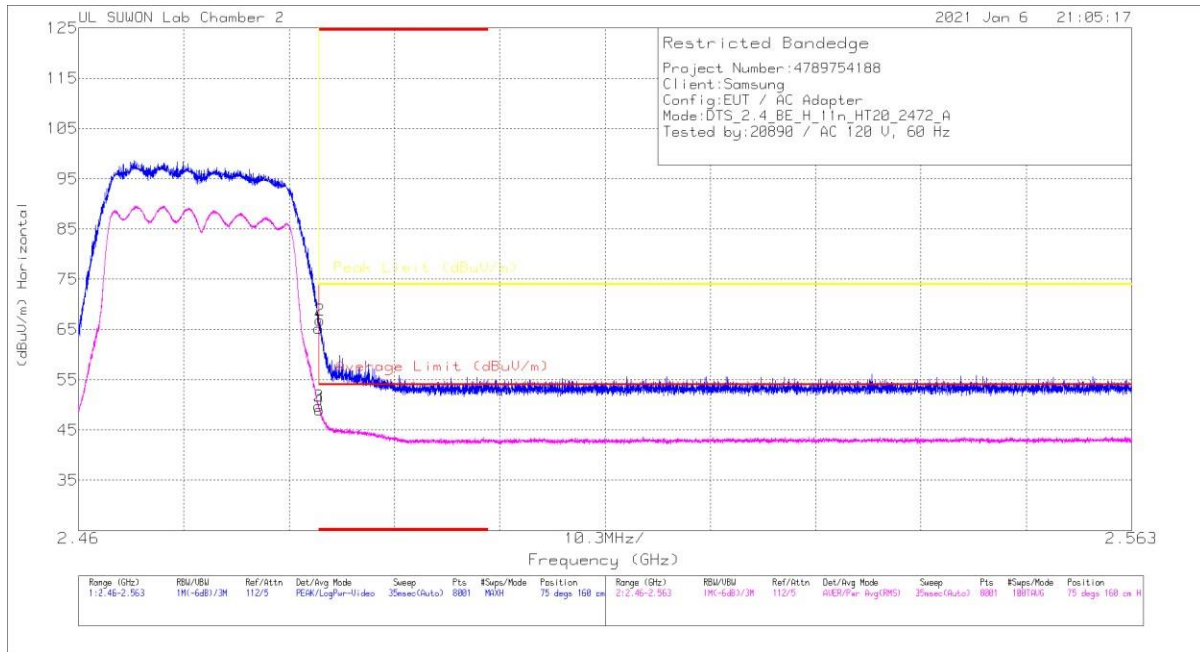
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.85	PK	32	-20.2	0	55.95	-	-	74	-18.35	202	331	V
2	* 2.48824	47.12	PK	32	-20.2	0	58.92	-	-	74	-15.08	202	331	V
3	* 2.48351	32.54	RMS	32	-20.2	.11	44.45	54	-9.55	-	-	202	331	V
4	* 2.48451	33.22	RMS	32	-20.2	.11	45.13	54	-8.87	-	-	202	331	V

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

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

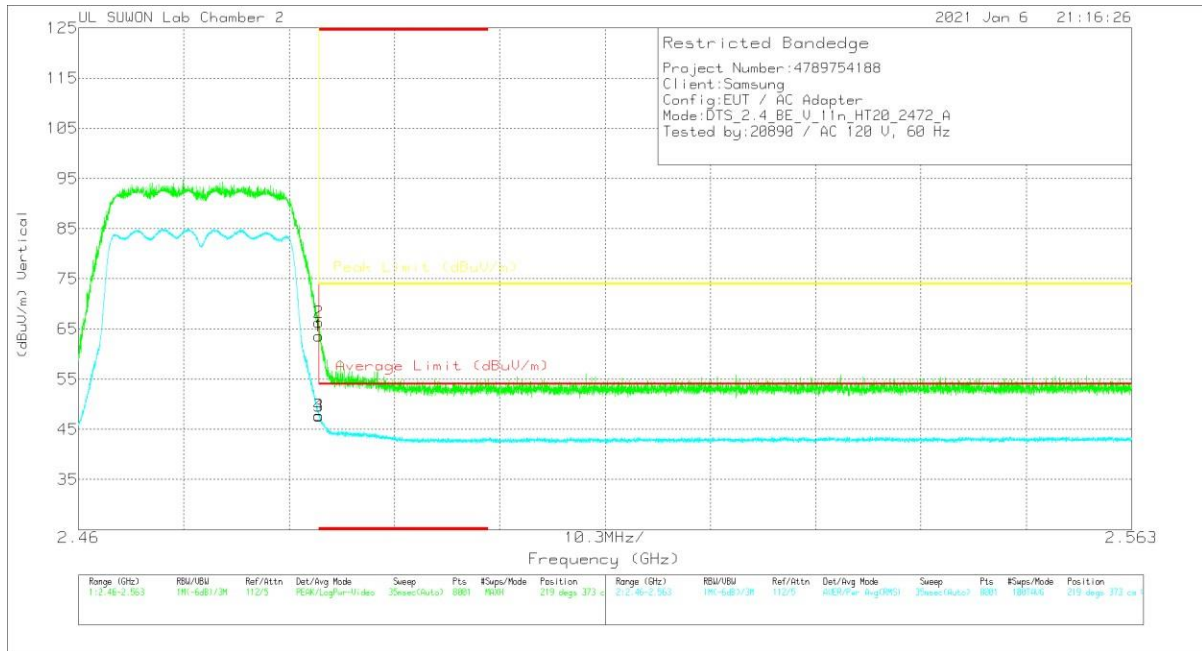


Trace Markers

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	53.36	PK	32	-20.2	0	65.16	-	-	74	-8.84	75	160	H
2	* 2.48361	55.08	PK	32	-20.2	0	66.88	-	-	74	-7.12	75	160	H
3	* 2.48351	37.89	RMS	32	-20.2	.11	49.8	54	-4.2	-	-	75	160	H
4	* 2.48355	37.16	RMS	32	-20.2	.11	49.07	54	-4.93	-	-	75	160	H

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

VERTICAL RESULT

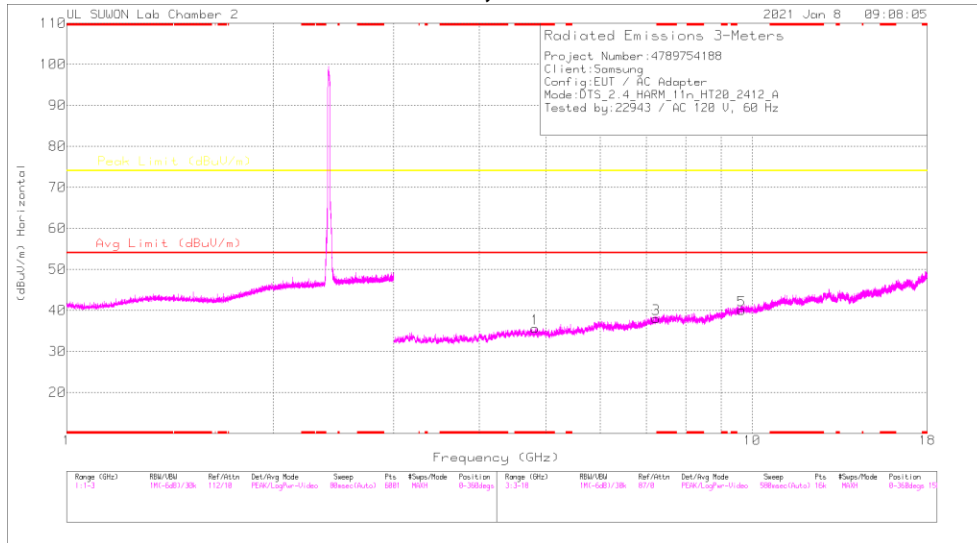


Trace Markers

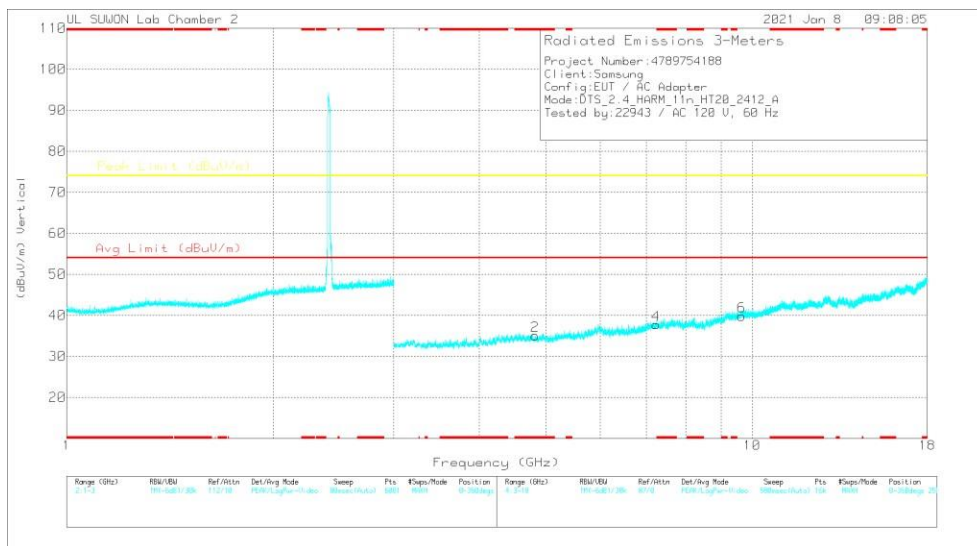
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	51.74	PK	32	-20.2	0	66.34	-	-	74	-10.48	219	373	V
2	* 2.48352	54.55	PK	32	-20.2	0	66.35	-	-	74	-7.65	219	373	V
3	* 2.48351	35.79	RMS	32	-20.2	.11	47.7	54	-6.3	-	-	219	373	V
4	* 2.48352	35.89	RMS	32	-20.2	.11	47.8	54	-6.2	-	-	219	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 3 RESULTS



HORIZONTAL



VERTICAL

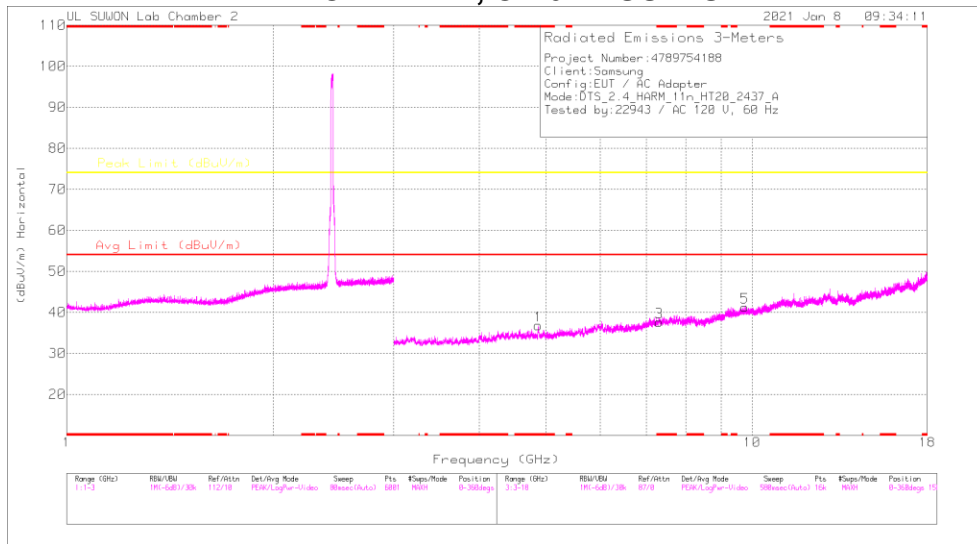
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

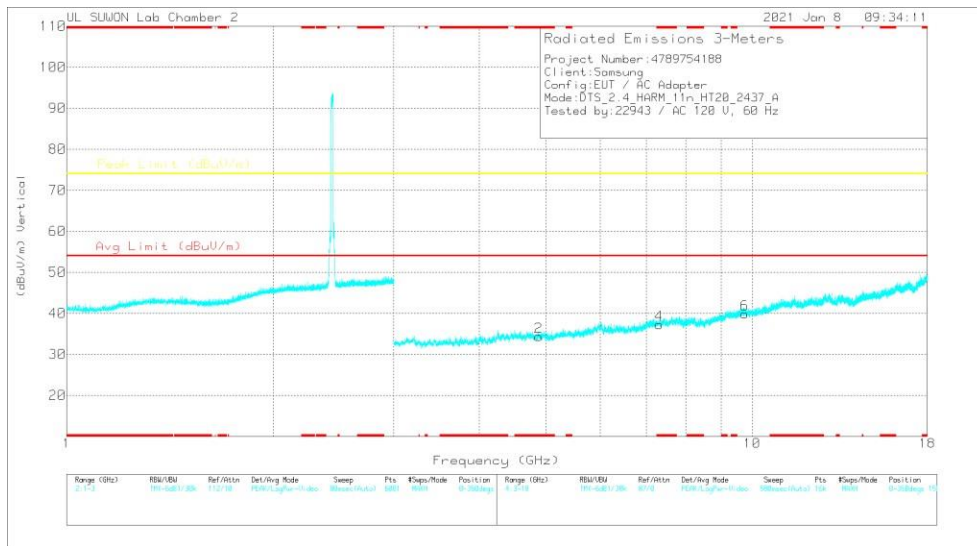
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82436	38.51	PK2	34.1	-27.9	0	44.71	-	-	74	-29.29	360	100	H
* 4.82349	37.96	PK2	34.1	-27.9	0	44.16	-	-	74	-29.84	360	100	V
7.23494	36.4	PK2	36.2	-25.1	0	47.5	-	-	74	-26.5	360	100	H
7.23684	36.51	PK2	36.2	-25.1	0	47.81	-	-	74	-26.39	360	100	V
9.64957	32.6	PK2	37	-20.8	0	48.8	-	-	74	-25.2	360	100	H
9.6512	33.27	PK2	37	-20.8	0	49.47	-	-	74	-24.53	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

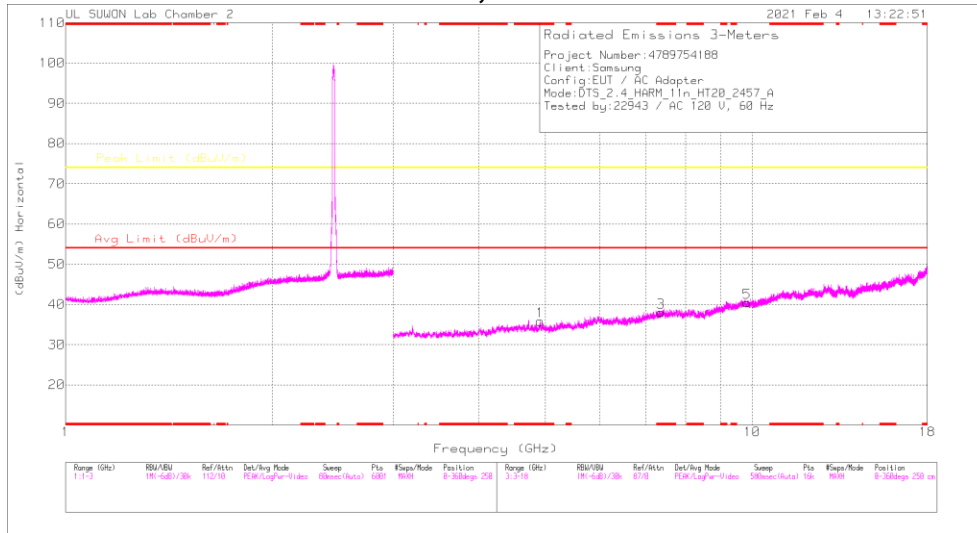
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

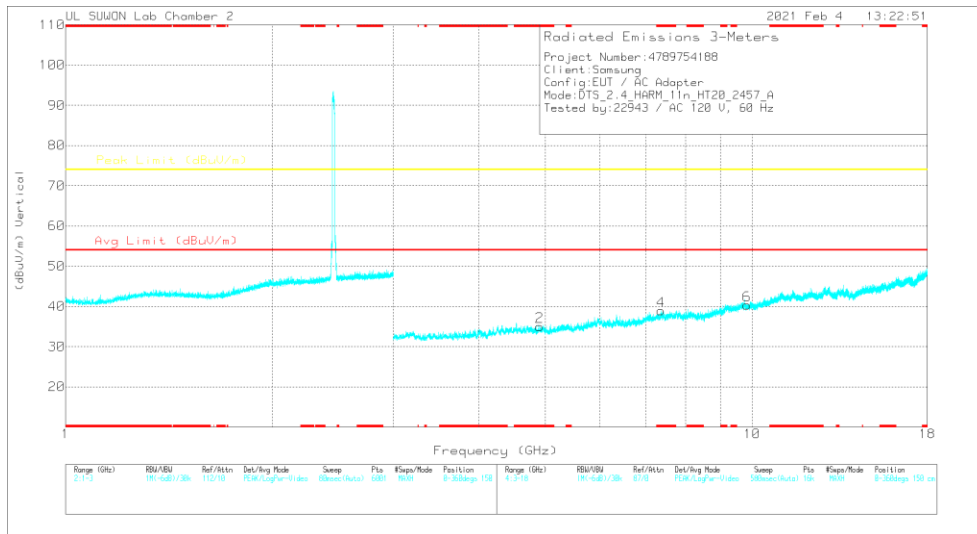
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87426	40.19	PK2	34.1	-27.7	0	46.59	-	-	74	-27.41	44	107	H
* 4.87442	28.13	MAV1	34.1	-27.7	.11	34.64	54	-19.36	-	-	44	107	H
* 4.87427	39.82	PK2	34.1	-27.7	0	46.22	-	-	74	-27.78	262	103	V
* 4.87669	27.6	MAV1	34.1	-27.6	.11	34.21	54	-19.79	-	-	262	103	V
* 7.31236	36.72	PK2	36.2	-24.6	0	48.32	-	-	74	-25.68	360	100	H
* 7.31194	36.67	PK2	36.2	-24.6	0	48.27	-	-	74	-25.73	360	100	V
9.75024	33	PK2	37.2	-20.5	0	49.7	-	-	74	-24.3	360	100	H
9.74846	32.62	PK2	37.2	-20.5	0	49.32	-	-	74	-24.68	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 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
* 4.9166	38.08	PK2	34.1	-27	0	45.18	-	-	74	-28.82	78	147	H
* 4.91202	25.75	MAV1	34.1	-27	.11	32.96	54	-21.04	-	-	78	147	H
* 4.9149	38.46	PK2	34.1	-27	0	45.56	-	-	74	-28.44	266	100	V
* 4.91178	26.31	MAV1	34.1	-27.1	.11	33.42	54	-20.58	-	-	266	100	V
* 7.37255	36.33	PK2	36.1	-24.1	0	48.33	-	-	74	-25.67	0	100	H
* 7.37248	35.56	PK2	36.1	-24	0	47.66	-	-	74	-26.34	0	100	V
9.82674	33.39	PK2	37.2	-20.9	0	49.69	-	-	74	-24.31	0	100	H
9.82632	33.23	PK2	37.2	-20.9	0	49.53	-	-	74	-24.47	0	100	V

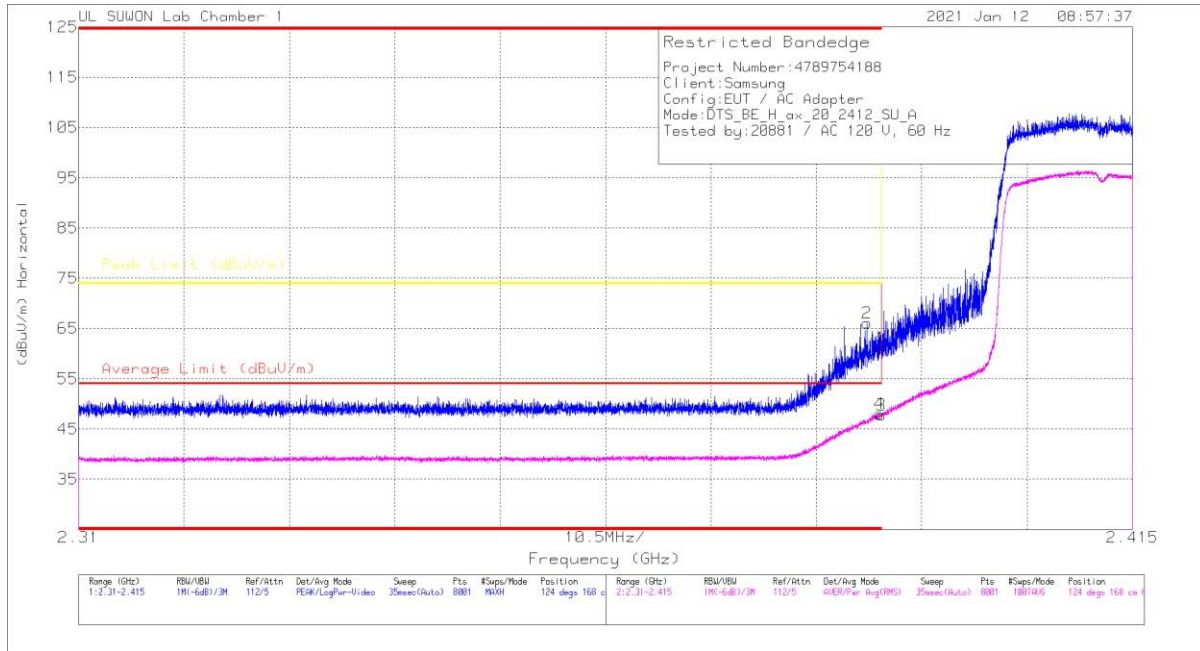
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAV1 - KDB558074 Option 1 Maximum RMS Average

10.1.4. TX ABOVE 1 GHz 802.11ax HE20(SU) 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 (Degs)	Height (cm)	Polarity
1	*2.39	54.91	PK	31.8	-25.6	0	61.11	-	-	74	-12.89	124	168	H
2	*2.38854	59.79	PK	31.8	-25.5	0	66.09	-	-	74	-7.91	124	168	H
3	*2.39	41.49	RMS	31.8	-25.6	.1	47.79	54	-6.21	-	-	124	168	H
4	*2.38981	41.72	RMS	31.8	-25.6	.1	48.02	54	-5.98	-	-	124	168	H

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