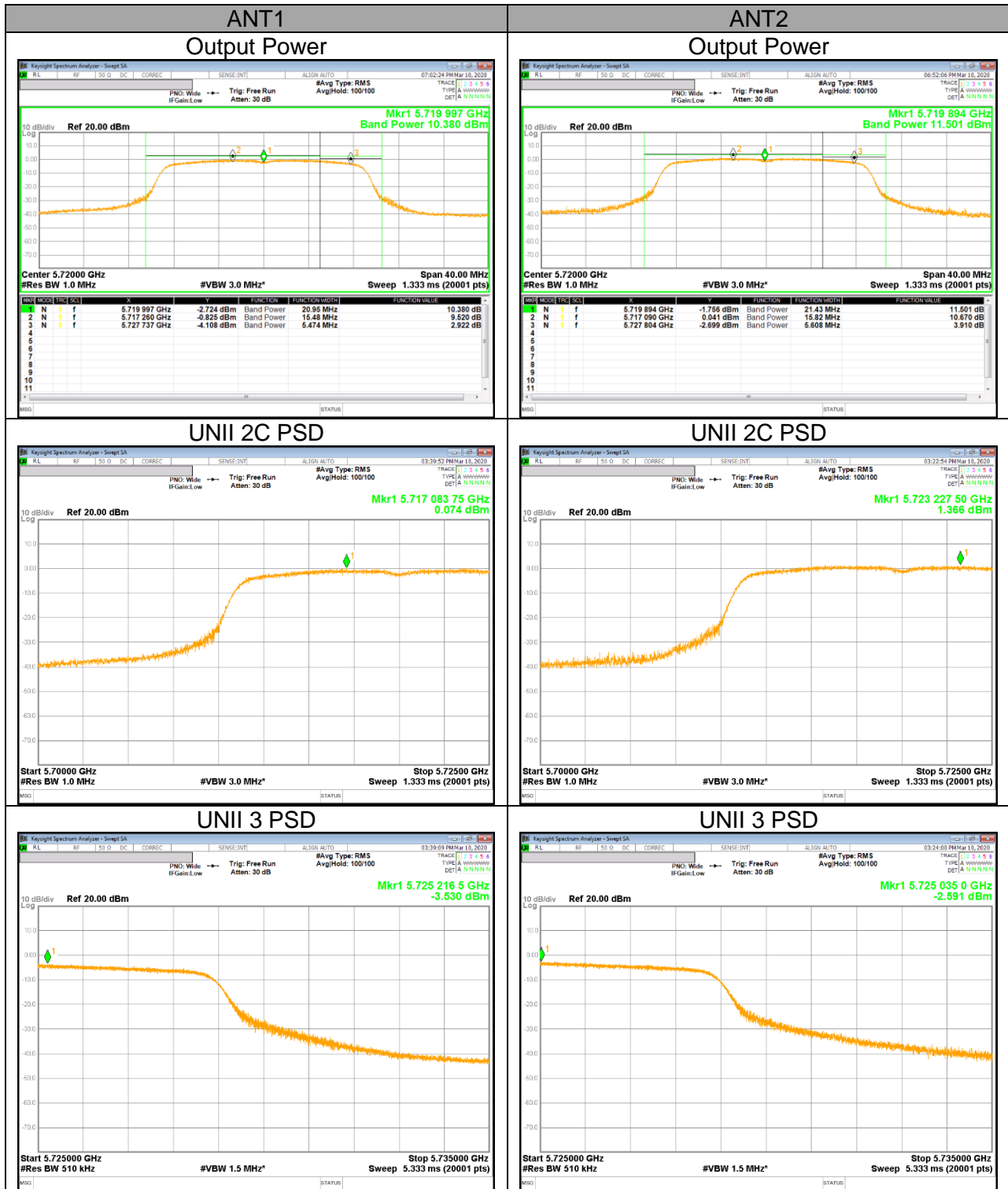
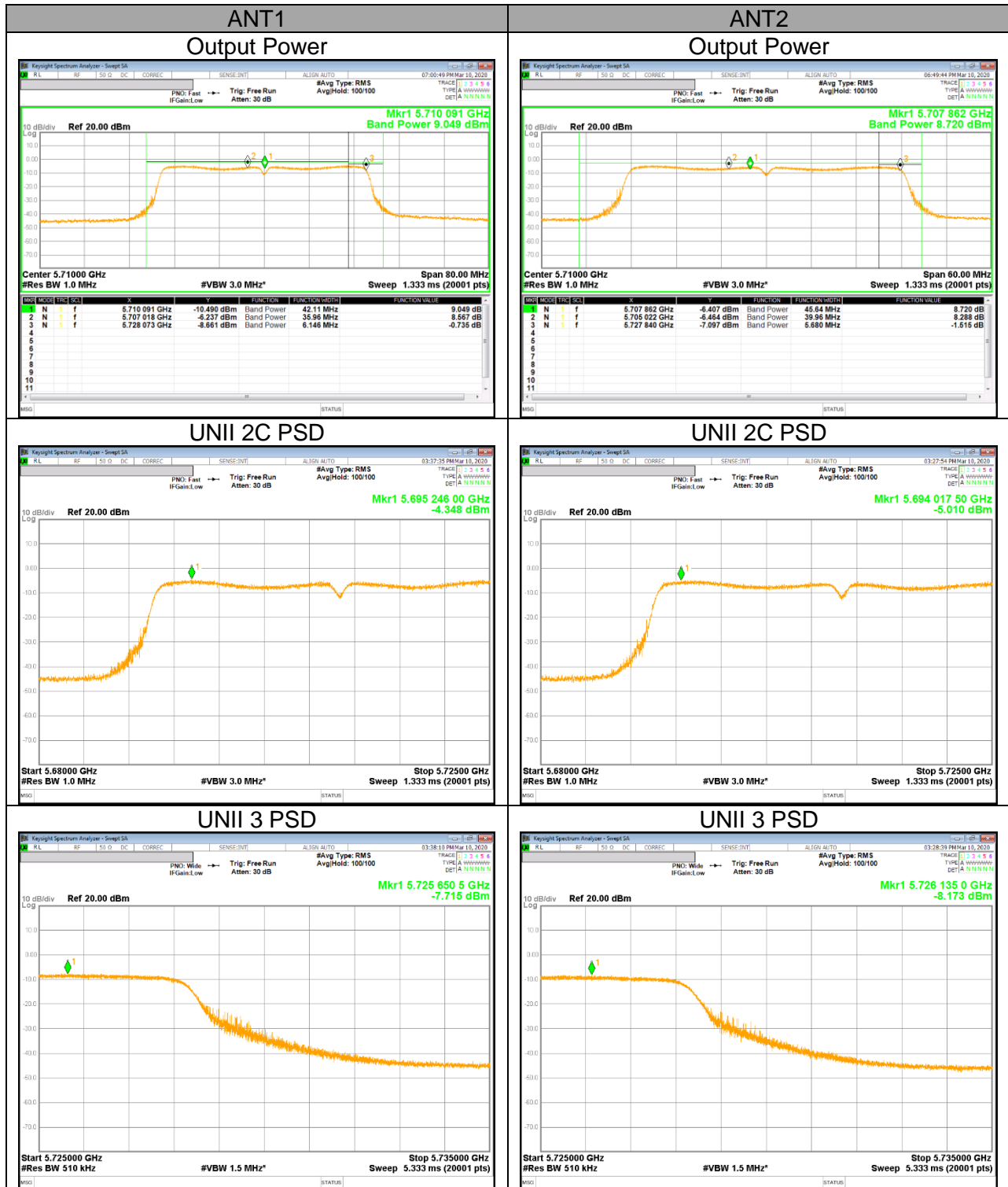


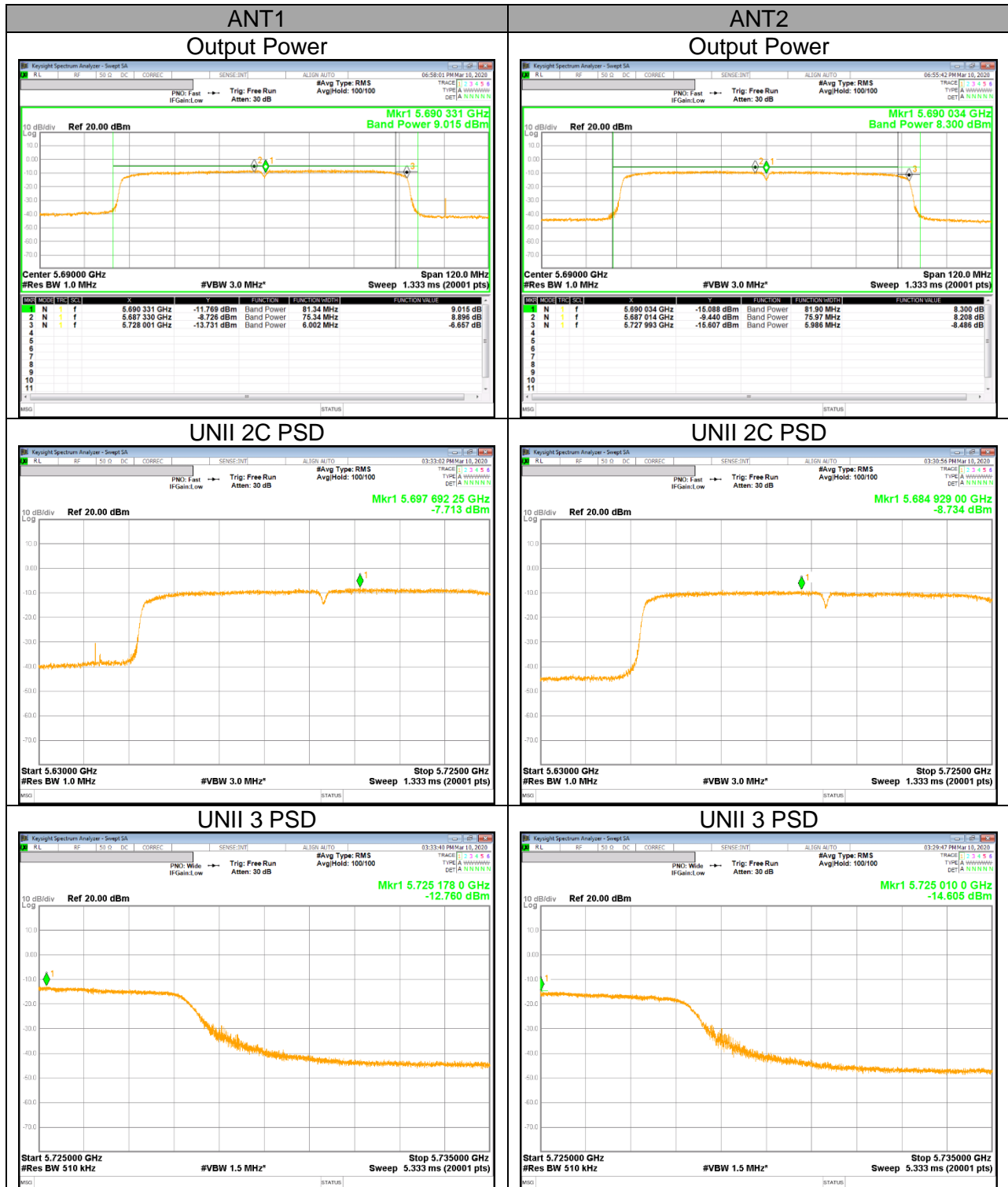
UNII Straddle Ch. IEEE 802.11n HT20 mode Ourput Power and PSD



UNII Straddle Ch. IEEE 802.11n HT40 mode Ourput Power and PSD



UNII Straddle Ch. IEEE 802.11ac VHT80 mode Output Power and PSD



11. TRANSMITTER ABOVE 1 GHz

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 ~ 156.52525	1660 ~ 1710	8.025 ~ 8.5	22.01 ~ 23.12
4.17725 ~ 4.17775	13.36 ~ 13.41	156.7 ~ 156.9	1718.8 ~ 1722.2	9.0 ~ 9.2	23.6 ~ 24.0
4.20725 ~ 4.20775	16.42 ~ 16.423	162.0125 ~ 167.17	2200 ~ 2300	9.3 ~ 9.5	31.2 ~ 31.8
6.215 ~ 6.218	16.69475 ~ 16.69525	167.72 ~ 173.2	2310 ~ 2390	10.6 ~ 12.7	36.43 ~ 36.5
6.26775 ~ 6.26825	16.80425 ~ 16.80475	240 ~ 285	2483.5 ~ 2500	13.25 ~ 13.4	Above 38.6
6.31175 ~ 6.31225	25.5 ~ 25.67	322 ~ 335.4	2655 ~ 2900		
8.291 ~ 8.294	37.5 ~ 38.25	399.90 ~ 410	3260 ~ 3267		
8.362 ~ 8.366	73 ~ 74.6	608 ~ 614	3332 ~ 3339		
8.37625 ~ 8.38675	74.8 ~ 75.2	960 ~ 1240	3345.8 ~ 3358 3600 ~ 4400		

▪ 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.

FCC §15.407 (b)

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
 - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- (5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary,
provided the measured energy is integrated to show the total power over 1 MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

Note

- Limit translation to field strength level (FCC §15.407)

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2 = -27\text{dBm} + 95.2 = 68.2\text{dBuV/m}$$

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2 = -17\text{dBm} + 95.2 = 78.2\text{dBuV/m}$$

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1GHz and 100 cm for above 1GHz. 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.

Reference to KDB 789033 D02 v02r01 UNII part G) 6) c) Method AD:

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 to the reading offset for average measurements.

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 1GHz to 40 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 9kHz to 30MHz; 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.

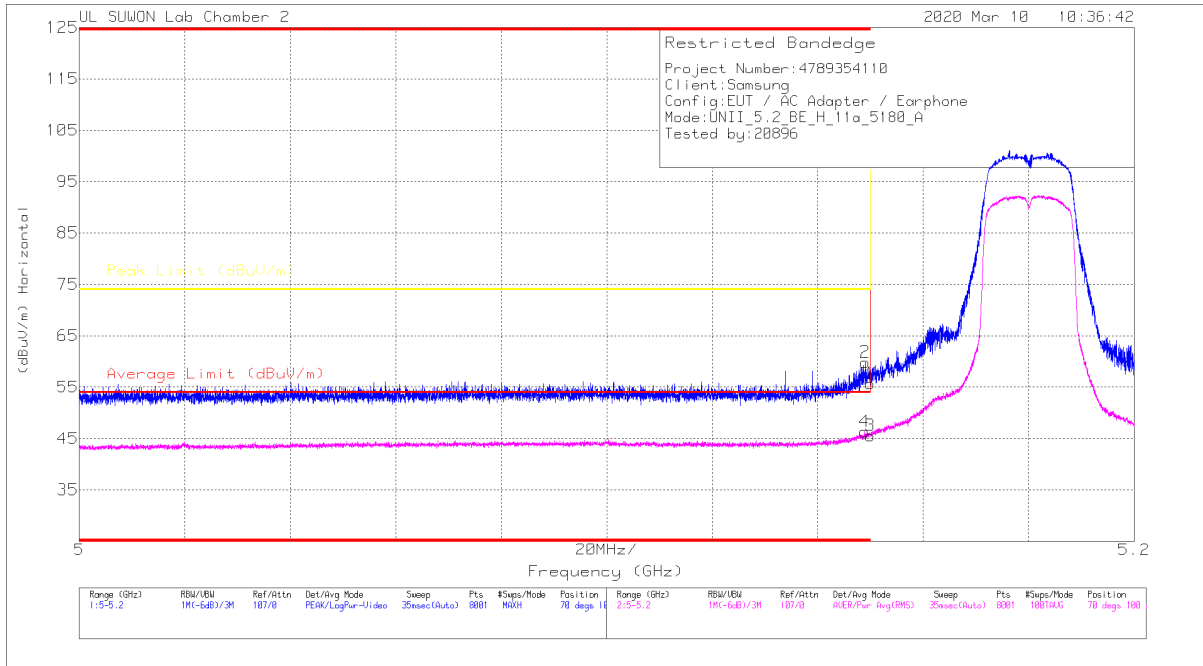
Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open are test site.
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field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

11.1. 5.2 GHz

11.1.1. TX ABOVE 1GHz 802.11a 2Tx MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

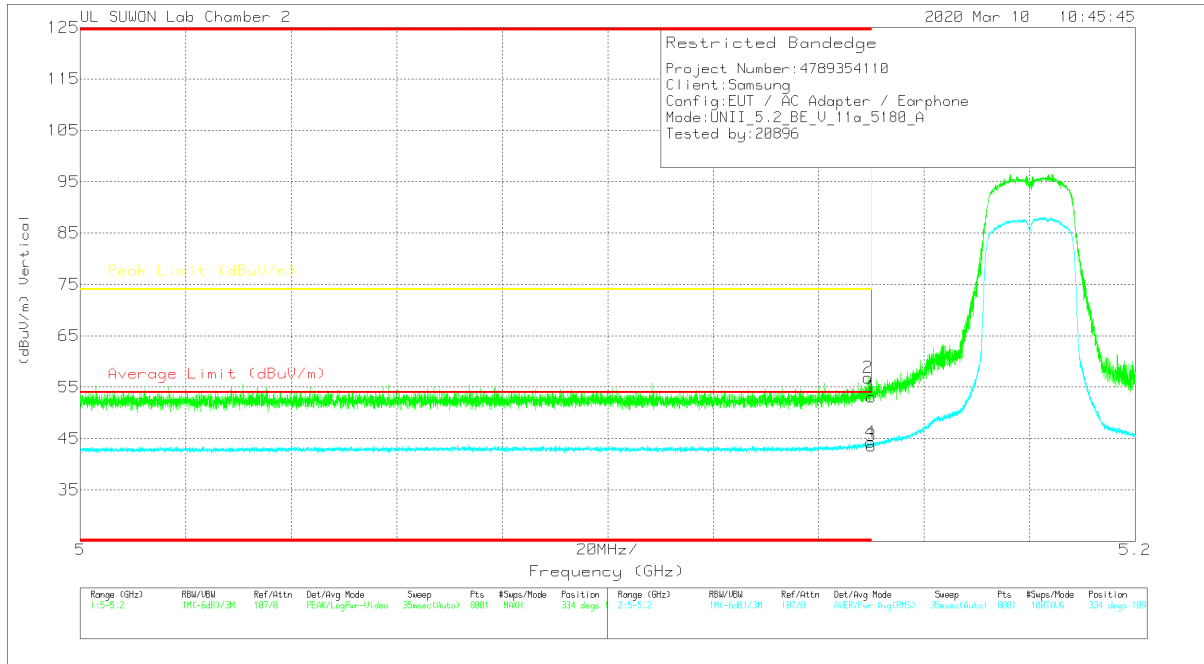
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	39.5	Pk	34.3	-18.1	0	55.7	-	-	74	-18.3	70	100	H
2	*5.14903	43.86	Pk	34.3	-18.1	0	59.86	-	-	74	-14.14	70	100	H
3	5.15	29.23	RMS	34.3	-18.1	-15	45.58	54	-8.42	-	-	70	100	H
4	*5.14893	29.97	RMS	34.3	-18.1	-15	46.32	54	-7.68	-	-	70	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



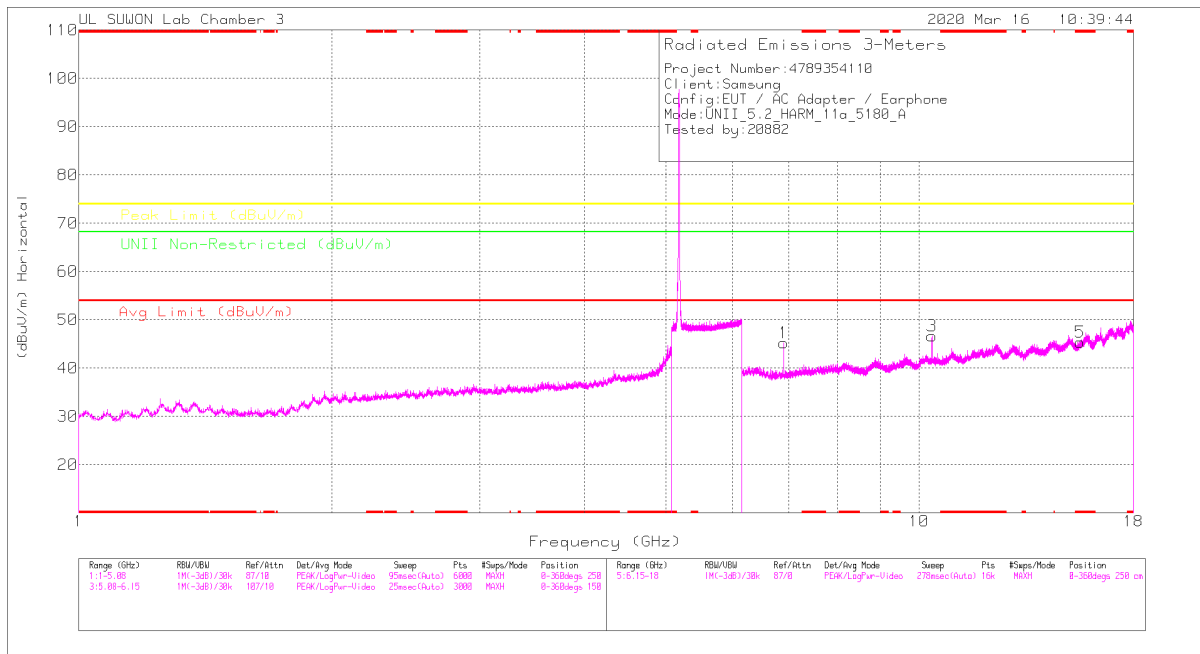
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	36.96	Pk	34.3	-18.1	0	53.16	-	-	74	-20.84	334	109	V
2	* 5.14935	40.64	Pk	34.3	-18.1	0	56.84	-	-	74	-17.16	334	109	V
3	5.15	27.27	RMS	34.3	-18.1	15	43.62	54	-10.38	-	-	334	109	V
4	* 5.14988	27.94	RMS	34.3	-18.1	15	44.29	54	-9.71	-	-	334	109	V

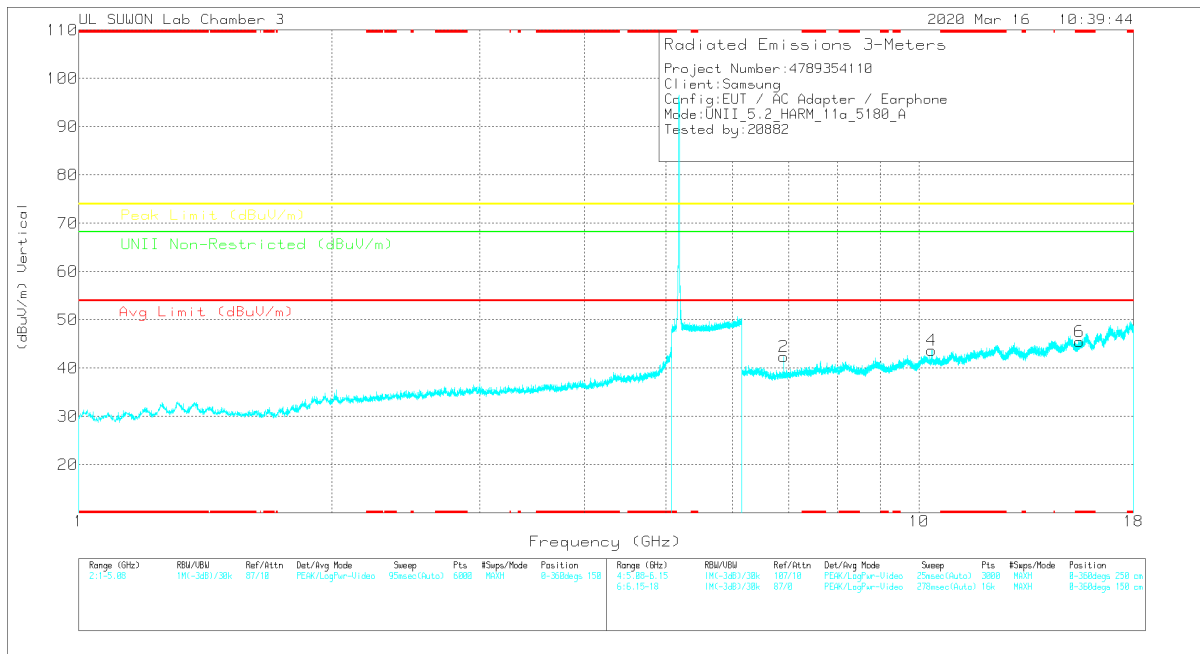
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	317_0020959	6GHz_HF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	6.90623	34	PK	35.7	-24.4	0	45.3	-	-	-	-	68.2	-22.9	0-360	150	H
3	10.3622	27.94	PK	37.6	-18.9	0	46.64	-	-	-	-	68.2	-21.56	0-360	250	H
5	* 15.54615	24.78	PK	40.2	-19.6	0	45.38	-	-	74	-28.62	-	-	0-360	250	H
2	6.94623	31.04	PK	35.7	-24.4	0	42.34	-	-	-	-	68.2	-25.86	0-360	250	V
4	10.35997	25	PK	37.6	-18.9	0	43.7	-	-	-	-	68.2	-24.5	0-360	250	V
6	* 15.53875	24.94	PK	40.2	-19.6	0	45.54	-	-	74	-28.46	-	-	0-360	250	V

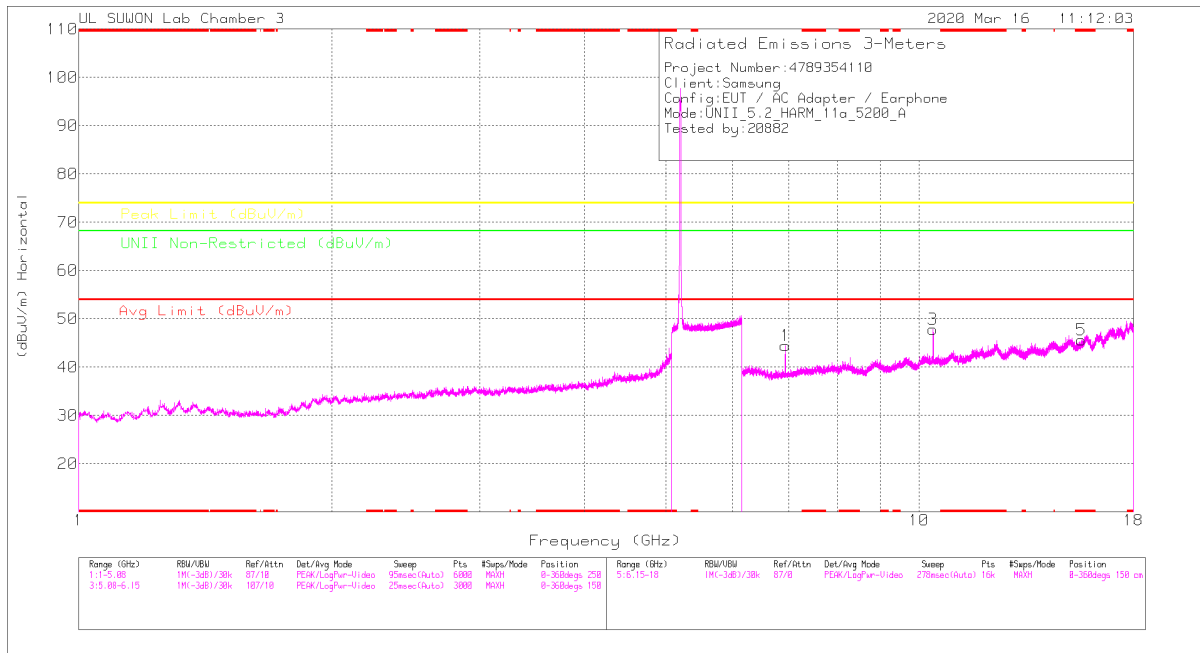
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

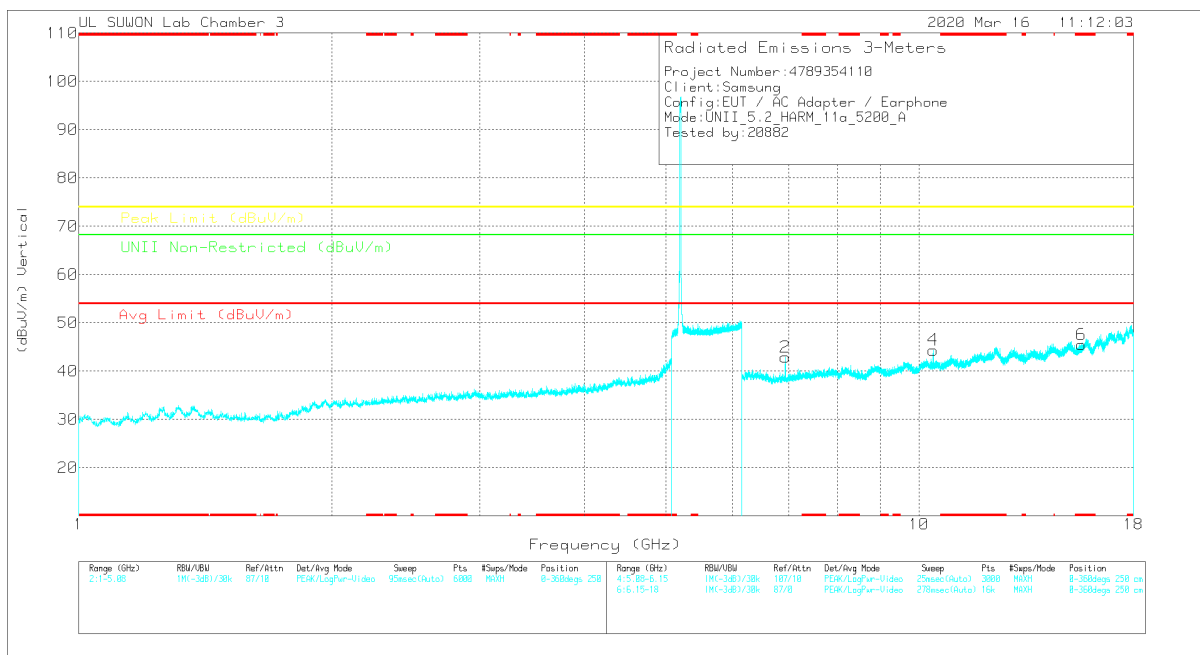
Frequency (GHz)	Meas Reading (dBuV)	Det	317_0020959	6GHz_HF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
6.90692	39.59	PK-U	35.7	-24.4	0	50.89	-	-	-	-	68.2	-17.31	70	146	H
6.90696	38.7	PK-U	35.7	-24.4	0	50	-	-	-	-	68.2	-18.2	89	246	V
10.36216	35.27	PK-U	37.6	-18.9	0	53.97	-	-	-	-	68.2	-14.23	289	100	H
10.36278	38.21	PK-U	37.6	-18.9	0	56.91	-	-	-	-	68.2	-11.29	359	100	V
* 15.54854	34.41	PK-U	40.2	-19.6	0	55.01	-	-	74	-18.99	-	-	0	100	H
* 15.54105	34.46	PK-U	40.2	-19.6	0	55.06	-	-	74	-18.94	-	-	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	317_0020969	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Deg)	Height (cm)	Polarity
1	6.93289	33.11	PK	35.7	-24.4	0	44.41	-	-	-	-	68.2	-23.79	0-360	150	H
3	10.39701	29.26	PK	37.6	-19	0	47.86	-	-	-	-	68.2	-20.34	0-360	250	H
5	* 15.6017	24.68	PK	40.2	-19.3	0	45.58	-	-	74	-28.42	-	-	0-360	250	H
2	6.93289	31.57	PK	35.7	-24.4	0	42.87	-	-	-	-	68.2	-25.33	0-360	250	V
4	10.39775	25.8	PK	37.6	-19	0	44.4	-	-	-	-	68.2	-23.8	0-360	250	V
6	* 15.60096	24.61	PK	40.2	-19.3	0	45.51	-	-	74	-28.49	-	-	0-360	150	V

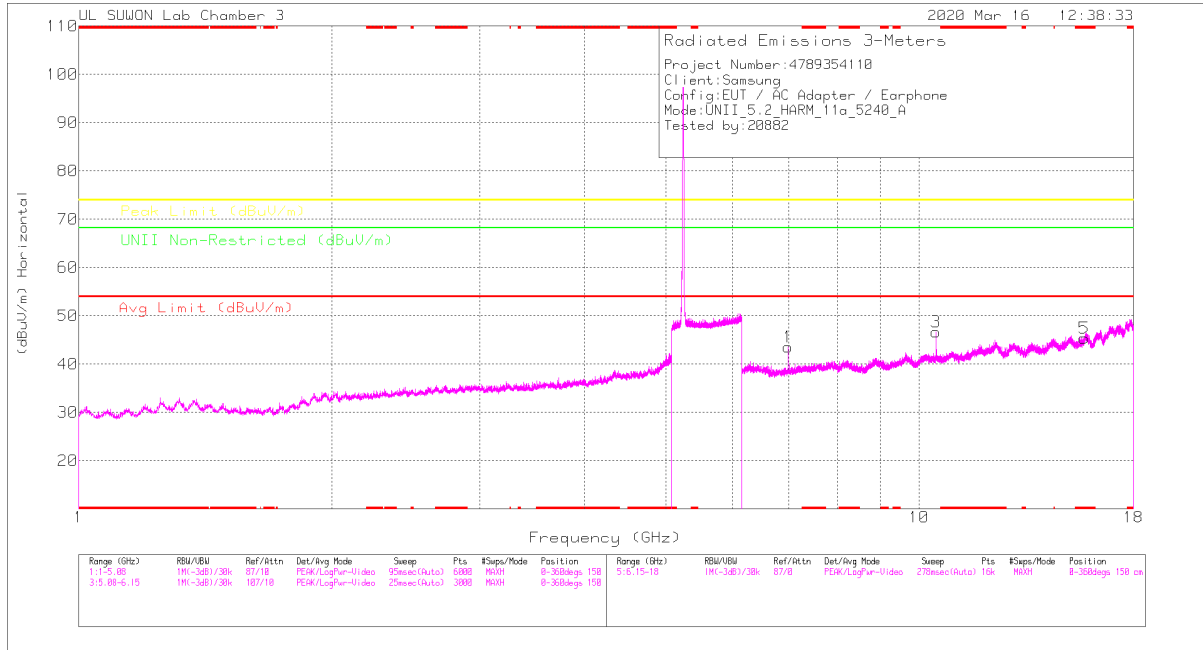
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

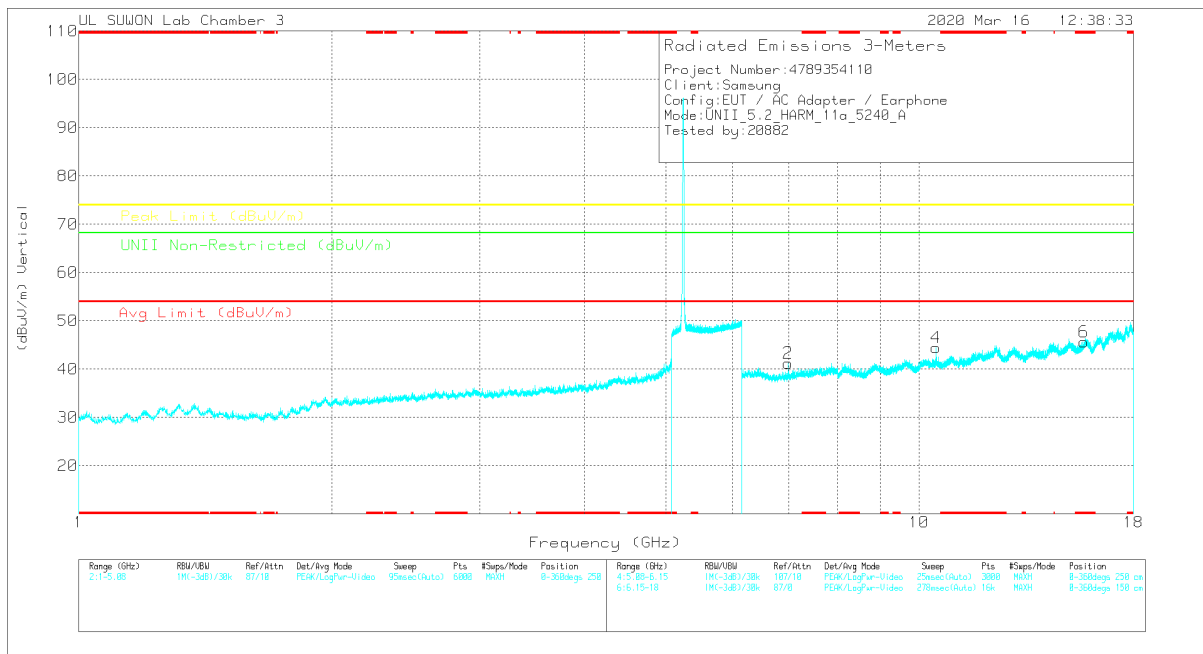
Frequency (GHz)	Meas Reading (dBuV)	Det	317_0020969	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Deg)	Height (cm)	Polarity
6.93348	40.29	PK-U	35.7	-24.3	0	51.69	-	-	-	-	68.2	-16.51	69	108	H
6.93354	38.33	PK-U	35.7	-24.3	0	49.73	-	-	-	-	68.2	-18.47	89	277	V
10.40294	37.64	PK-U	37.6	-19	0	56.24	-	-	-	-	68.2	-11.96	82	226	H
10.39738	36.74	PK-U	37.6	-19	0	55.34	-	-	-	-	68.2	-12.86	0	101	V
* 15.59424	33.93	PK-U	40.2	-19.4	0	54.73	-	-	74	-19.27	-	-	0	100	H
* 15.59646	34.46	PK-U	40.2	-19.4	0	55.26	-	-	74	-18.74	-	-	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	317_0020969	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	6.98622	31.84	PK	35.7	-24	0	43.54	-	-	-	-	68.2	-24.66	0-360	150	H
3	10.48218	27.92	PK	37.7	-19	0	46.62	-	-	-	-	68.2	-21.58	0-360	250	H
5	* 15.72836	23.92	PK	40.4	-19	0	45.32	-	-	74	-28.68	-	-	0-360	150	H
2	6.98622	29.58	PK	35.7	-24	0	41.28	-	-	-	-	68.2	-26.92	0-360	250	V
4	10.477	25.85	PK	37.7	-19.1	0	44.45	-	-	-	-	68.2	-23.75	0-360	250	V
6	* 15.71651	24.48	PK	40.4	-19.2	0	45.68	-	-	74	-28.32	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

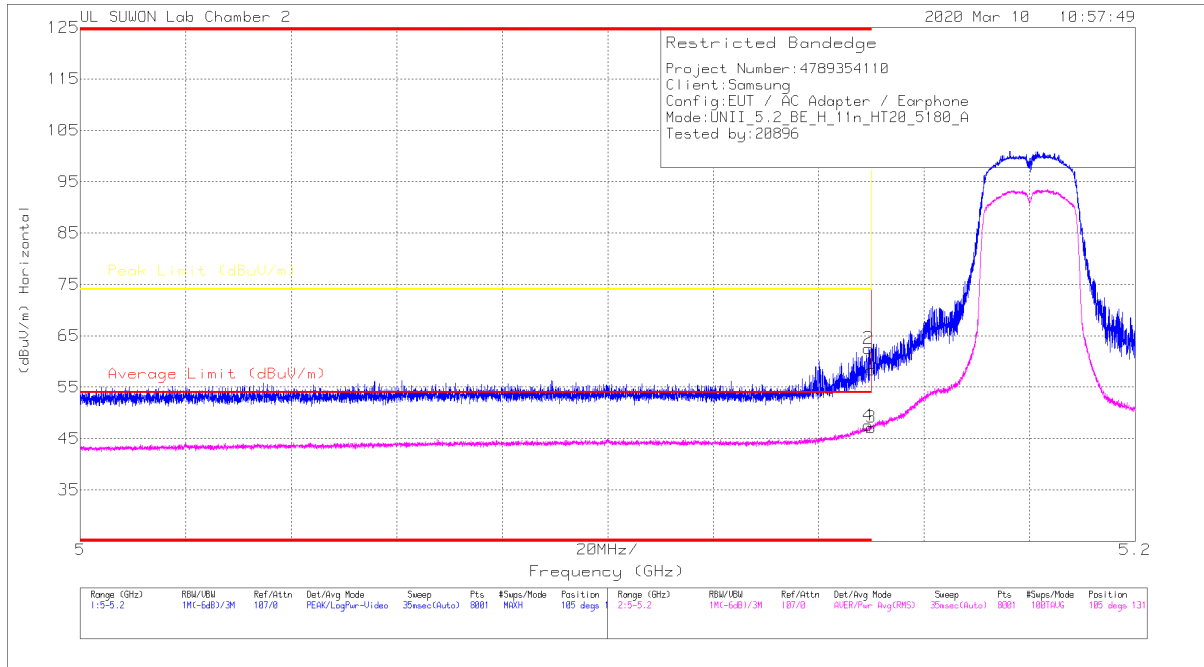
Frequency (GHz)	Meter Reading (dBuV)	Det	317_0020969	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
6.98672	39.24	PK-U	35.7	-24	0	50.94	-	-	-	-	68.2	-17.26	69	152	H
6.98726	37.52	PK-U	35.7	-24	0	49.22	-	-	-	-	68.2	-18.98	88	248	V
10.48254	38.57	PK-U	37.7	-19.1	0	57.17	-	-	-	-	68.2	-11.03	76	257	H
10.48282	35.89	PK-U	37.7	-19.1	0	54.89	-	-	-	-	68.2	-13.71	14	241	V
* 15.73375	34.59	PK-U	40.4	-19.1	0	55.89	-	-	74	-18.11	-	-	0	100	H
* 15.72701	33.89	PK-U	40.4	-19	0	55.29	-	-	74	-18.71	-	-	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.1.2. TX ABOVE 1GHz 802.11n HT20 2Tx MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

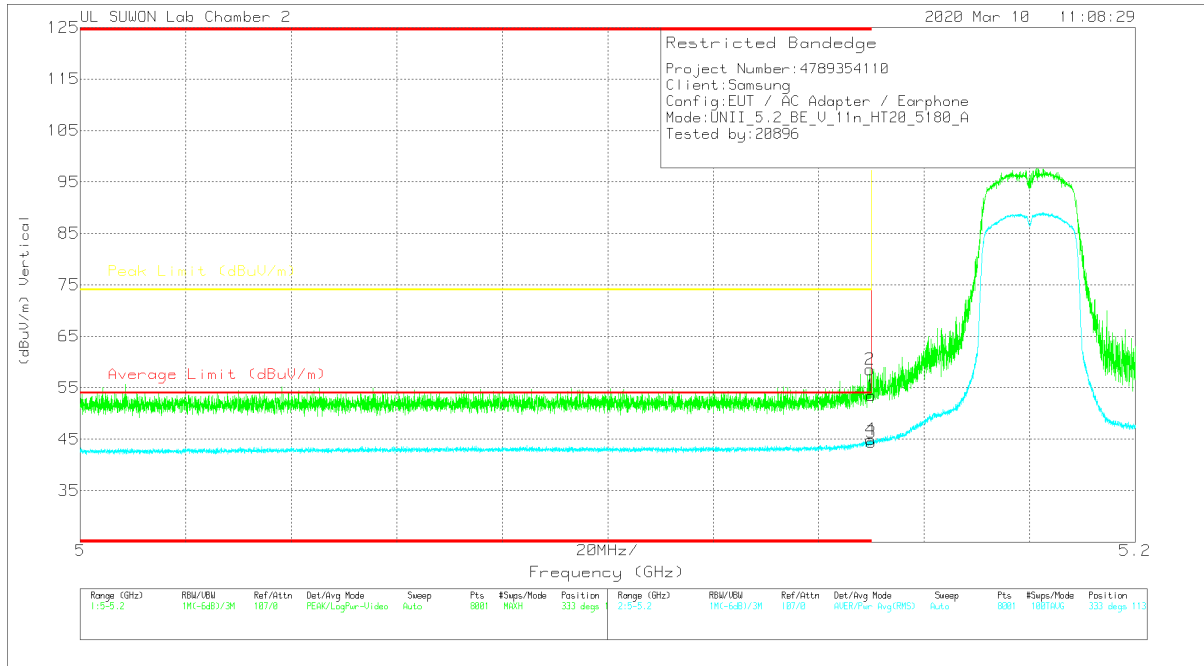
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	42.21	Pk	34.3	-18.1	0	58.41	-	-	74	-15.59	105	131	H
2	* 5.14943	46.34	Pk	34.3	-18.1	0	62.54	-	-	74	-11.46	105	131	H
3	5.15	30.88	RMS	34.3	-18.1	.09	47.17	54	-6.83	-	-	105	131	H
4	* 5.14933	31.3	RMS	34.3	-18.1	.09	47.59	54	-6.41	-	-	105	131	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (Ghz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	37.27	Pk	34.3	-18.1	0	53.47	-	-	74	-20.53	333	113	V
2	* 5.14973	42.36	Pk	34.3	-18.1	0	58.56	-	-	74	-15.44	333	113	V
3	5.15	28.11	RMS	34.3	-18.1	09	44.4	54	-9.6	-	-	333	113	V
4	* 5.14988	28.64	RMS	34.3	-18.1	09	44.93	54	-9.07	-	-	333	113	V

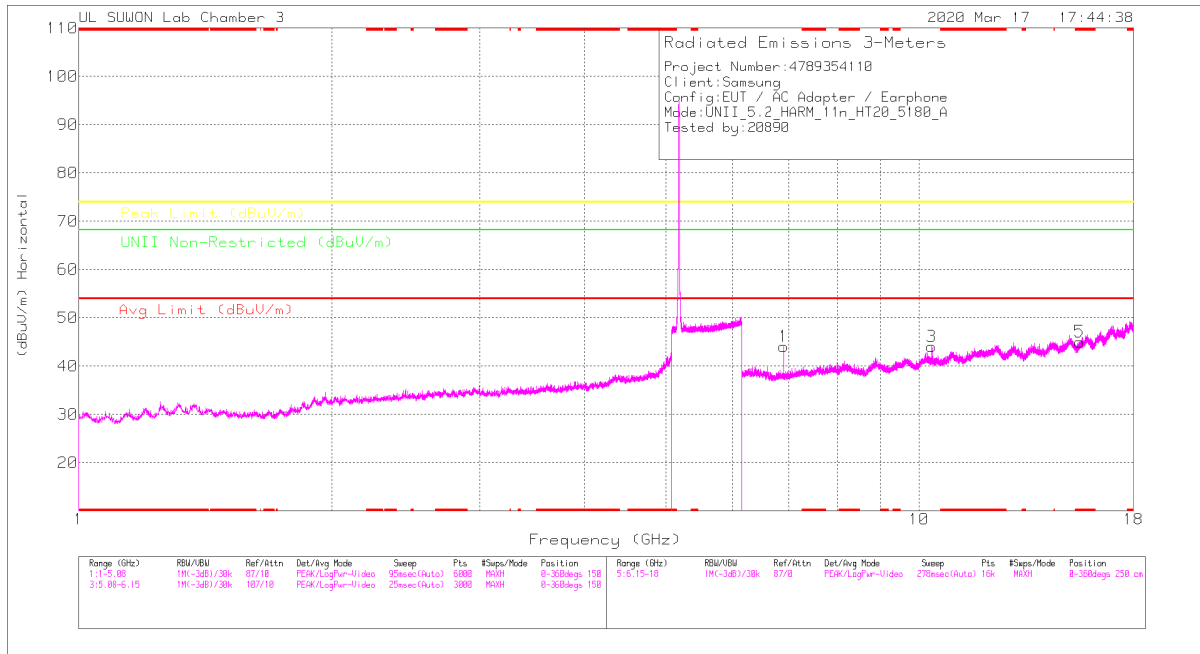
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

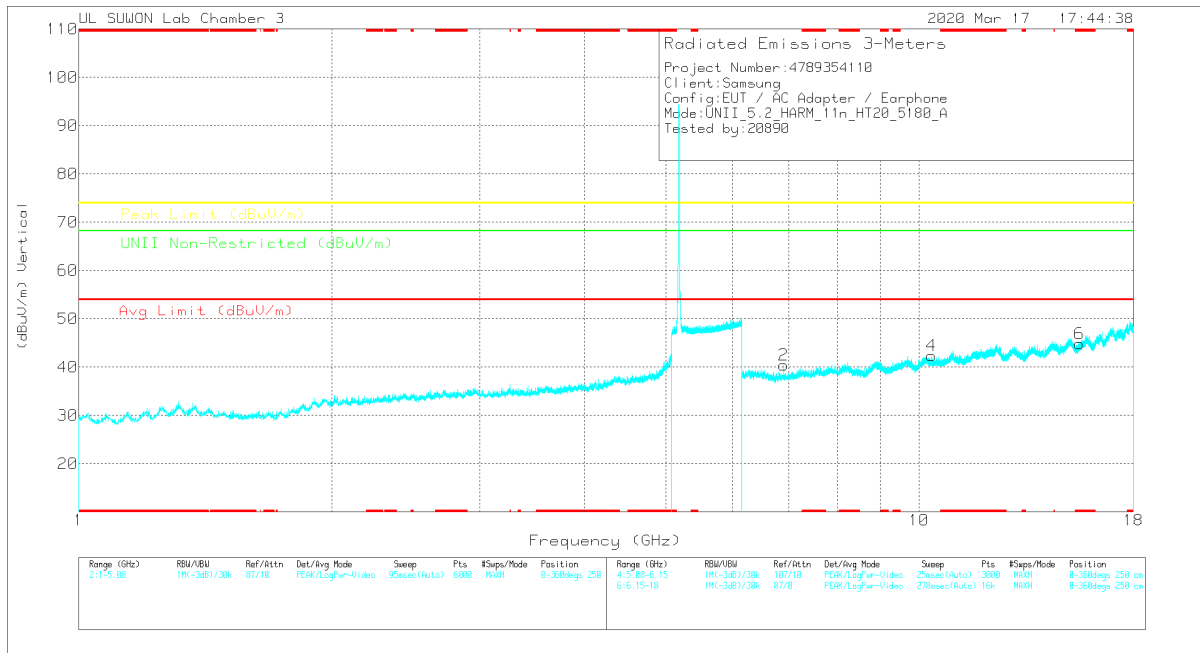
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	317_0020969	6GHz_HFp(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
1	6.90623	32.82	PK	35.7	-24.4	0	44.12	-	-	-	-	68.2	-24.08	0-360	150	H
3	10.36146	25.41	PK	37.6	-18.9	0	44.11	-	-	-	-	68.2	-24.09	0-360	250	H
5	*15.538	24.45	PK	40.2	-19.6	0	45.05	-	-	74	-28.95	-	-	0-360	150	H
2	6.90623	29.2	PK	35.7	-24.4	0	40.5	-	-	-	-	68.2	-27.7	0-360	250	V
4	10.35331	23.84	PK	37.6	-19	0	42.44	-	-	-	-	68.2	-25.76	0-360	250	V
6	*15.53875	24.21	PK	40.2	-19.6	0	44.81	-	-	74	-29.19	-	-	0-360	150	V

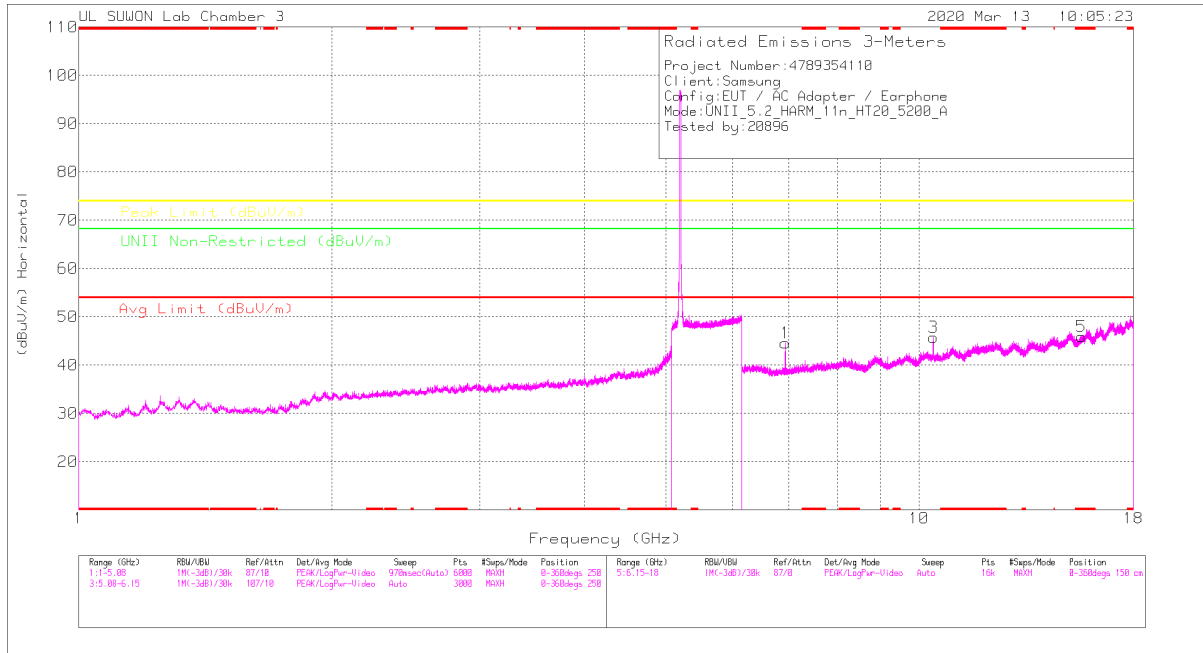
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

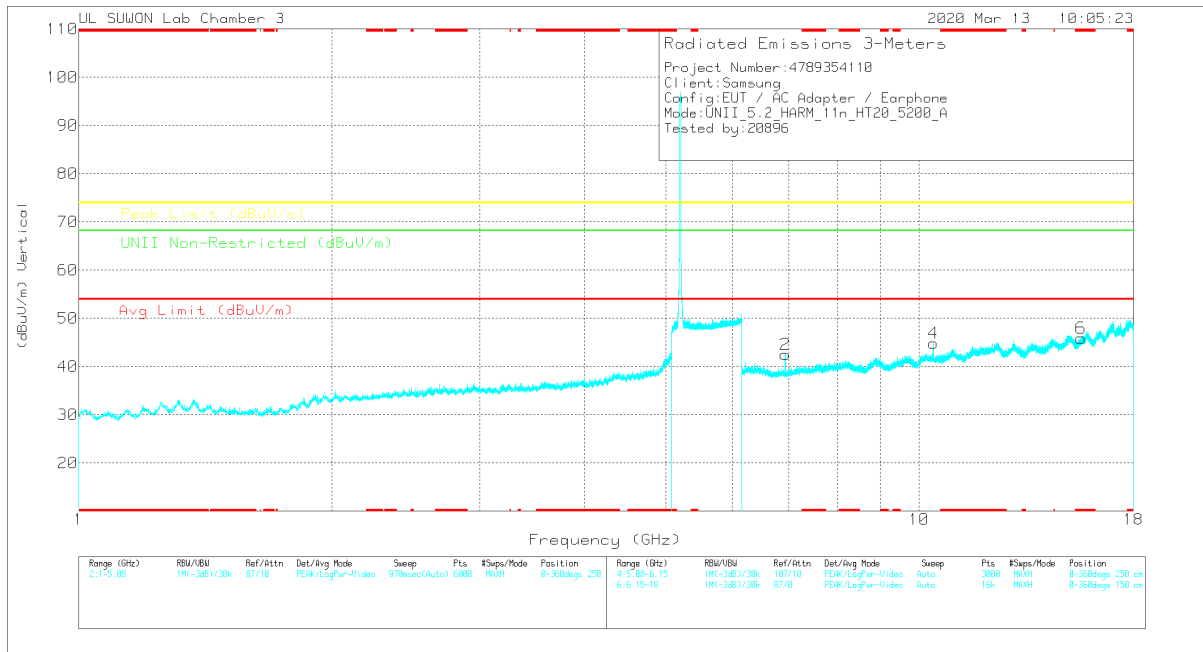
Frequency (GHz)	Mask Reading (dBuV)	Det	317_0020969	6GHz_HFp(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
6.9069	39.91	PK-U	35.7	-24.4	0	51.21	-	-	-	-	68.2	-16.99	71	145	H
6.90669	35.6	PK-U	35.7	-24.4	0	49.9	-	-	-	-	68.2	-18.3	92	240	V
10.35938	33.75	PK-U	37.6	-18.9	0	52.45	-	-	-	-	68.2	-15.75	56	315	H
10.3588	34.03	PK-U	37.6	-18.9	0	52.73	-	-	-	-	68.2	-15.47	360	352	V
*15.53036	34.4	PK-U	40.2	-19.6	0	55	-	-	74	-19	-	-	360	100	H
*15.54155	34.14	PK-U	40.2	-19.6	0	54.74	-	-	74	-19.26	-	-	360	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	31.17_00209569	6GHz_HFdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.93289	33.25	PK	35.7	-24.4	0	44.55	-	-	-	-	68.2	-23.65	0-360	150	H
3	10.39849	27.12	PK	37.6	-19	0	45.72	-	-	-	-	68.2	-22.48	0-360	250	H
5	* 15.59504	25.13	PK	40.2	-19.4	0	45.93	-	-	74	-28.07	-	-	0-360	150	H
2	6.93289	31.19	PK	35.7	-24.4	0	42.49	-	-	-	-	68.2	-25.71	0-360	250	V
4	10.39849	26.2	PK	37.6	-19	0	44.8	-	-	-	-	68.2	-23.4	0-360	150	V
6	* 15.5943	25.1	PK	40.2	-19.4	0	45.9	-	-	74	-28.1	-	-	0-360	250	V

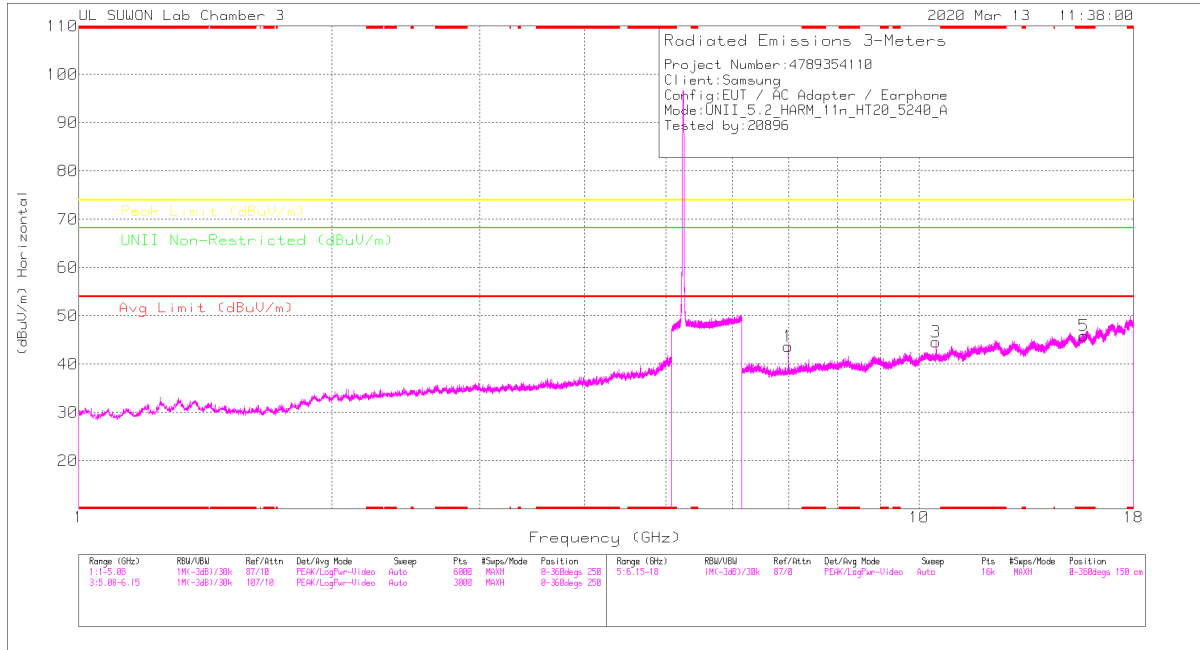
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

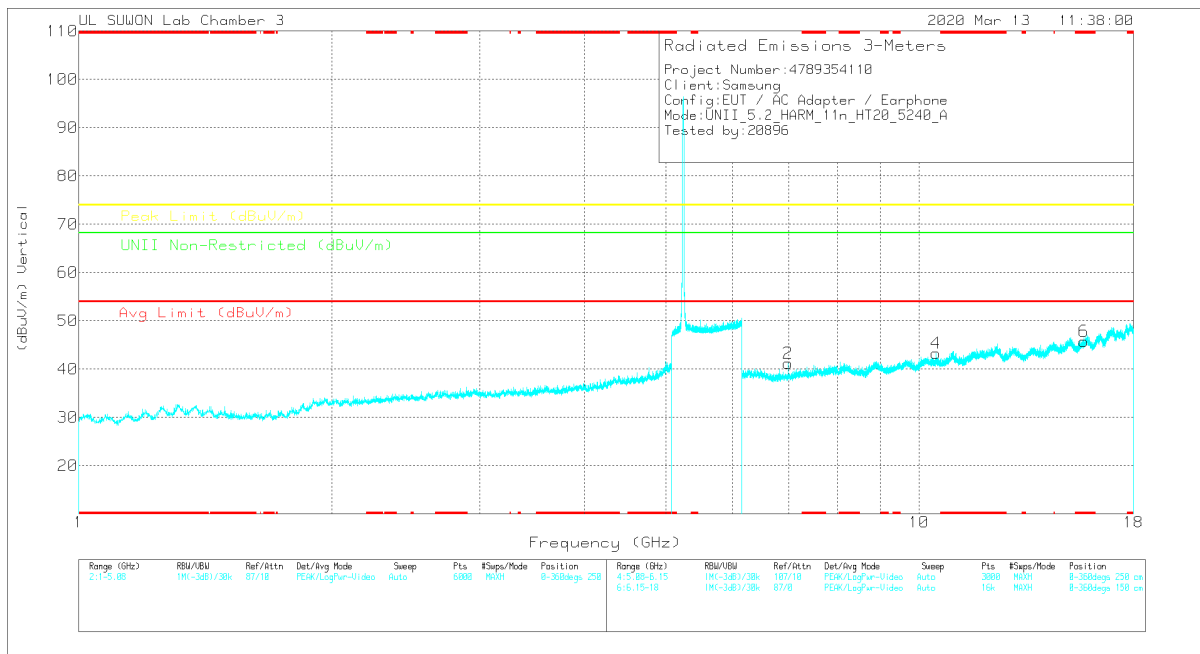
Frequency (GHz)	Mask Reading (dBuV)	Det	31.17_00209569	6GHz_HFdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.93365	41.11	PK-U	35.7	-24.3	0	52.51	-	-	-	-	68.2	-15.69	71	144	H
6.93311	39.48	PK-U	35.7	-24.4	0	50.78	-	-	-	-	68.2	-17.42	95	226	V
10.39365	34.57	PK-U	37.6	-19	0	53.17	-	-	-	-	68.2	-15.03	33	121	H
10.39881	37.33	PK-U	37.6	-19	0	55.93	-	-	-	-	68.2	-12.27	35	115	V
* 15.5933	35.32	PK-U	40.2	-19.4	0	56.12	-	-	74	-17.88	-	-	0	100	H
* 15.59324	35.34	PK-U	40.2	-19.4	0	56.14	-	-	74	-17.86	-	-	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	31.17_30209569	6GHz_HFp(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	ULN Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
1	6.98622	31.97	PK	35.7	-24	0	43.67	-	-	-	-	68.2	-24.53	0-360	150	H
3	10.47922	26.05	PK	37.7	-19.1	0	44.65	-	-	-	-	68.2	-23.55	0-360	250	H
5	* 15.72169	24.68	PK	40.4	-19.2	0	45.86	-	-	74	-	-	-28.14	0-360	250	H
2	6.98622	29.57	PK	35.7	-24	0	41.27	-	-	-	-	68.2	-26.93	0-360	250	V
4	10.47774	24.69	PK	37.7	-19.1	0	43.29	-	-	-	-	68.2	-24.91	0-360	150	V
6	* 15.72021	24.55	PK	40.4	-19.2	0	45.75	-	-	74	-	-	-28.25	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

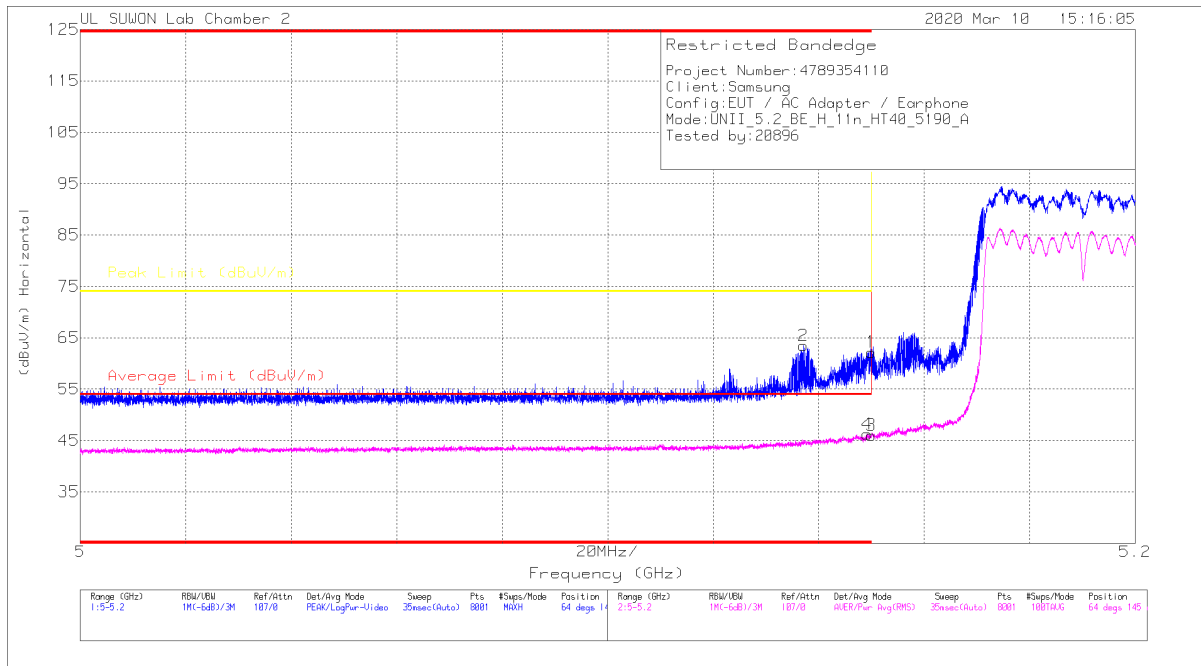
Frequency (GHz)	Mask Reading (dBuV)	Det	31.17_30209569	6GHz_HFp(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	ULN Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
6.98692	39.53	PK-U	35.7	-24	0	51.23	-	-	-	-	68.2	-16.97	70	158	H
6.98672	38.26	PK-U	35.7	-24	0	49.96	-	-	-	-	68.2	-18.24	92	257	V
10.48122	33.91	PK-U	37.7	-19	0	52.61	-	-	-	-	68.2	-15.59	32	305	H
10.48442	35.49	PK-U	37.7	-19	0	54.19	-	-	-	-	68.2	-14.01	14	112	V
* 15.72011	34.54	PK-U	40.4	-19.2	0	55.74	-	-	74	-	-	-18.26	0	100	H
* 15.71997	35.33	PK-U	40.4	-19.2	0	56.53	-	-	74	-	-	-17.47	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.1.3. TX ABOVE 1GHz 802.11n HT40 2Tx MODE IN THE 5.2GHz BAND

RESTRICTED BANDEGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

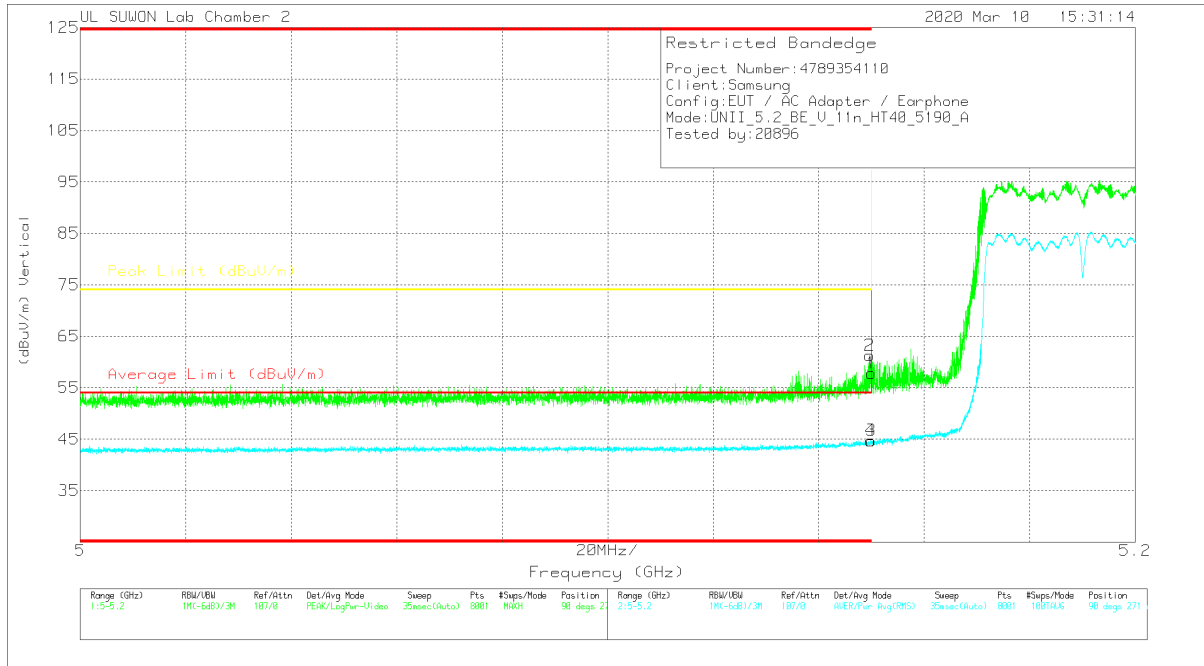
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	45.99	Pk	34.3	-18.1	0	62.19	-	-	74	-11.81	64	145	H
2	* 5.13708	47.28	Pk	34.3	-18.1	0	63.48	-	-	74	-10.52	64	145	H
3	5.15	29.63	RMS	34.3	-18.1	.2	46.03	54	-7.97	-	-	64	145	H
4	* 5.14918	29.83	RMS	34.3	-18.1	.2	46.23	54	-7.77	-	-	64	145	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



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 (Degst)	Height (cm)	Polarity
1	5.15	41.63	Pk	34.3	-18.1	0	57.83	-	-	74	-16.17	90	271	V
2	* 5.14965	45.09	Pk	34.3	-18.1	0	61.29	-	-	74	-12.71	90	271	V
3	5.15	28.31	RMS	34.3	-18.1	.2	44.71	54	-9.29	-	-	90	271	V
4	* 5.14988	28.33	RMS	34.3	-18.1	.2	44.73	54	-9.27	-	-	90	271	V

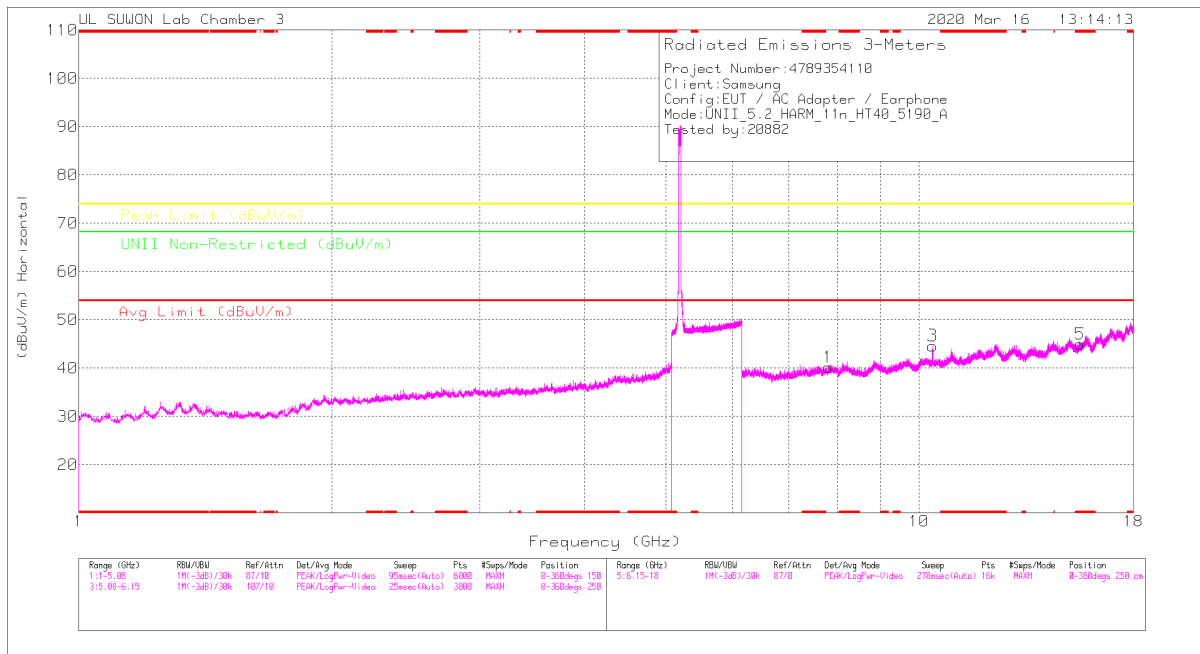
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

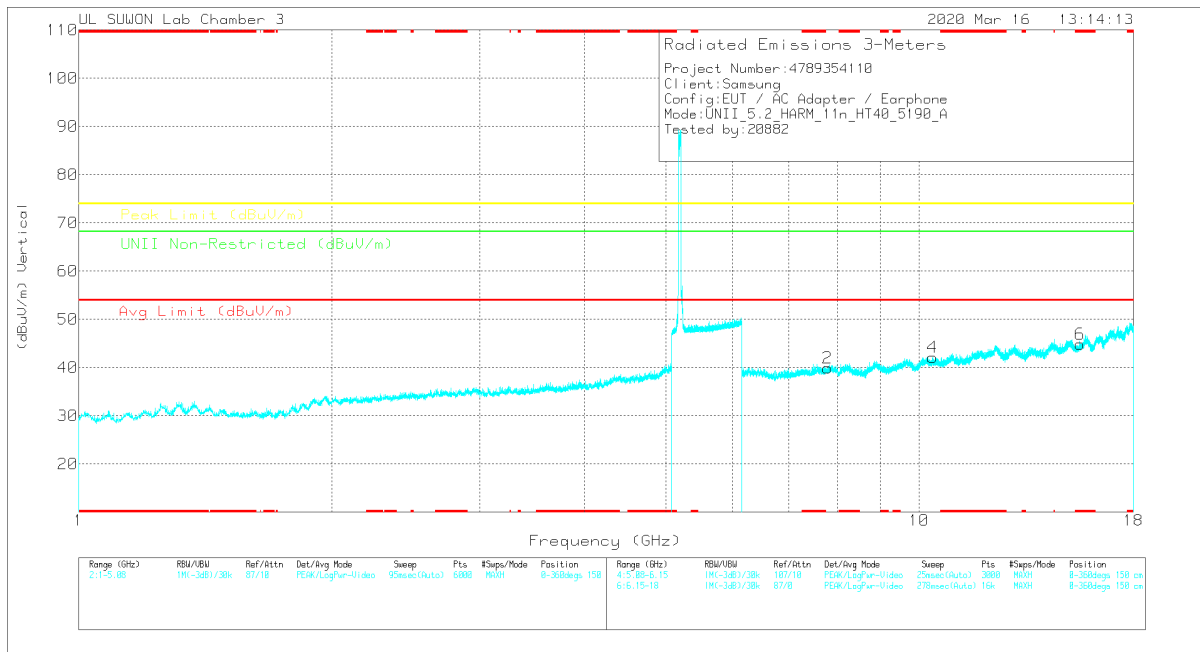
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	31.17_00209999	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	7.79355	26.83	PK	35.9	-22.5	0	40.23	-	-	-	-	68.2	-27.97	0-360	150	H
3	10.37997	26.06	PK	37.6	-19	0	44.66	-	-	-	-	68.2	-23.54	0-360	250	H
5	*15.56467	24.33	PK	40.2	-19.5	0	45.03	-	-	74	-28.97	-	-	0-360	150	H
2	7.78392	26.62	PK	35.9	-22.6	0	39.92	-	-	-	-	68.2	-28.29	0-360	250	V
4	10.37987	23.58	PK	37.6	-19	0	42.18	-	-	-	-	68.2	-26.02	0-360	150	V
6	*15.56541	24.18	PK	40.2	-19.5	0	44.88	-	-	74	-29.12	-	-	0-360	250	V

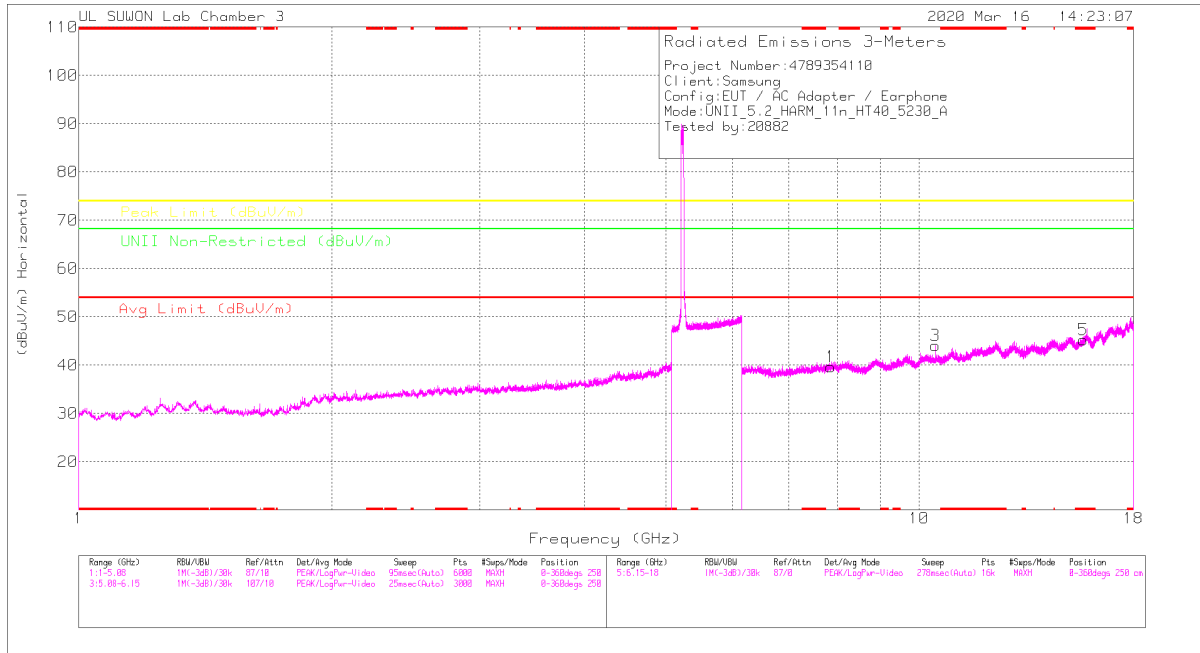
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

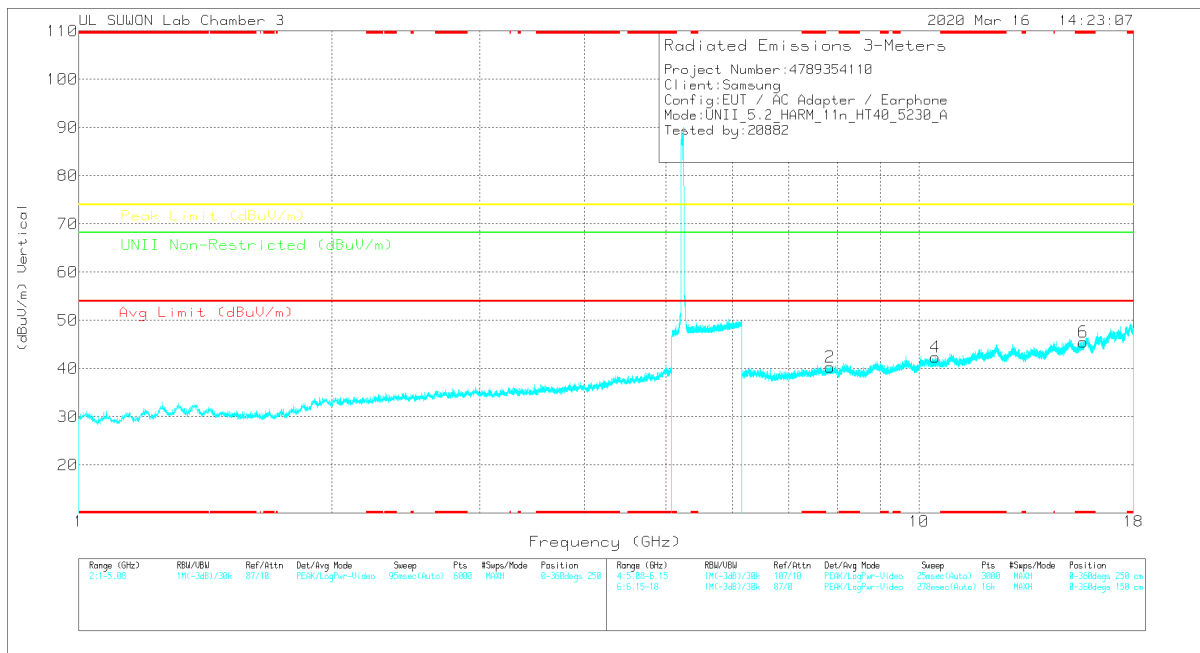
Frequency (GHz)	Mask Reading (dBuV)	Det	31.17_00209999	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
7.79359	36.19	PK-U	35.9	-22.5	0	49.59	-	-	-	-	68.2	-18.61	0	100	H
7.79333	36.55	PK-U	35.9	-22.5	0	49.95	-	-	-	-	68.2	-18.25	0	100	V
10.38012	35.44	PK-U	37.6	-19	0	54.04	-	-	-	-	68.2	-14.16	75	245	H
10.37986	34.31	PK-U	37.6	-19	0	52.91	-	-	-	-	68.2	-15.29	356	100	V
*15.56187	33.97	PK-U	40.2	-19.5	0	54.67	-	-	74	-19.33	-	-	0	100	H
*15.56366	34.12	PK-U	40.2	-19.5	0	54.82	-	-	74	-19.18	-	-	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	31.17_00209569	6GHz_HF6dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
1	7.85132	26.02	PK	35.9	-22.2	0	39.72	-	-	-	-	68.2	-28.48	0-360	150	H
3	10.45996	25.6	PK	37.7	-19.2	0	44.1	-	-	-	-	68.2	-24.1	0-360	250	H
5	* 15.68466	24.14	PK	40.3	-19.2	0	45.24	-	-	74	-	-	-	0-360	250	H
2	7.84169	26.62	PK	35.9	-22.2	0	40.32	-	-	-	-	68.2	-27.88	0-360	150	V
4	10.45996	23.87	PK	37.7	-19.2	0	42.37	-	-	-	-	68.2	-25.83	0-360	150	V
6	* 15.6854	24.36	PK	40.3	-19.2	0	45.46	-	-	74	-28.54	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

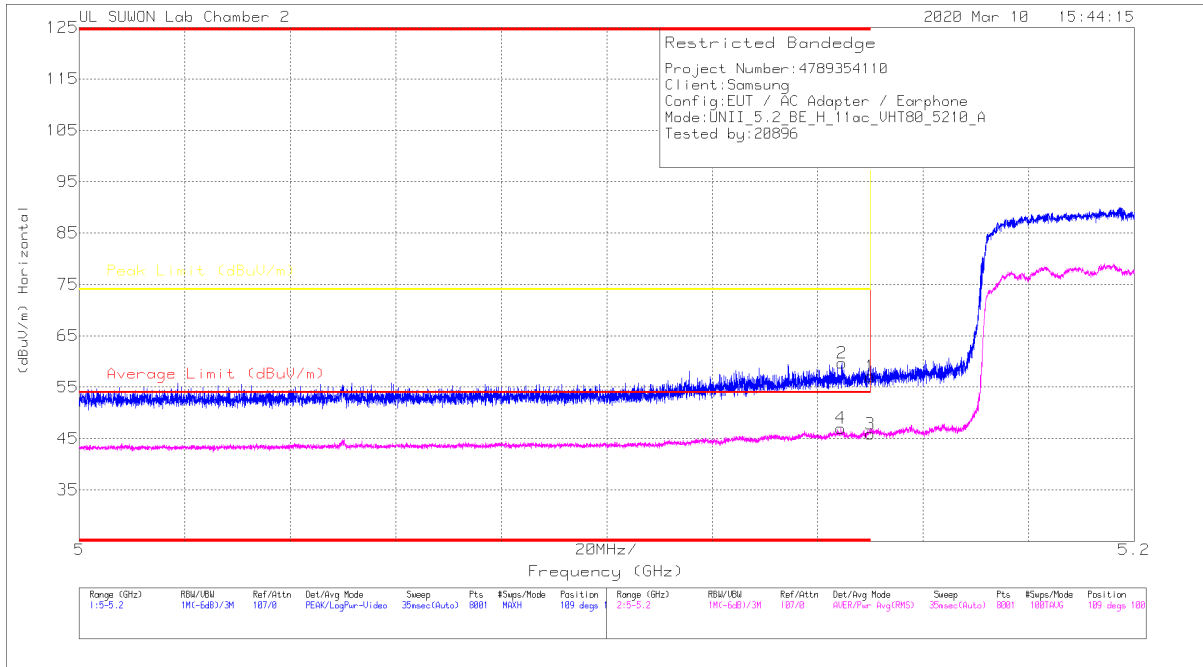
Frequency (GHz)	Mask Reading (dBuV)	Det	31.17_00209569	6GHz_HF6dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
7.85156	36.5	PK-U	35.9	-22.2	0	50.2	-	-	-	-	68.2	-18	0	100	H
7.85142	35.73	PK-U	35.9	-22.2	0	49.43	-	-	-	-	68.2	-18.77	0	100	V
10.45976	35.45	PK-U	37.7	-19.2	0	53.95	-	-	-	-	68.2	-14.25	78	237	H
10.4597	33.3	PK-U	37.7	-19.2	0	51.8	-	-	-	-	68.2	-16.4	0	107	V
* 15.68259	34.39	PK-U	40.3	-19.2	0	55.49	-	-	74	-18.51	-	-	0	100	H
* 15.68415	34.3	PK-U	40.3	-19.2	0	55.4	-	-	74	-18.6	-	-	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.1.4. TX ABOVE 1GHz 802.11ac VHT80 2Tx MODE IN THE 5.2GHz BAND

RESTRICTED BANDEGE (MID CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

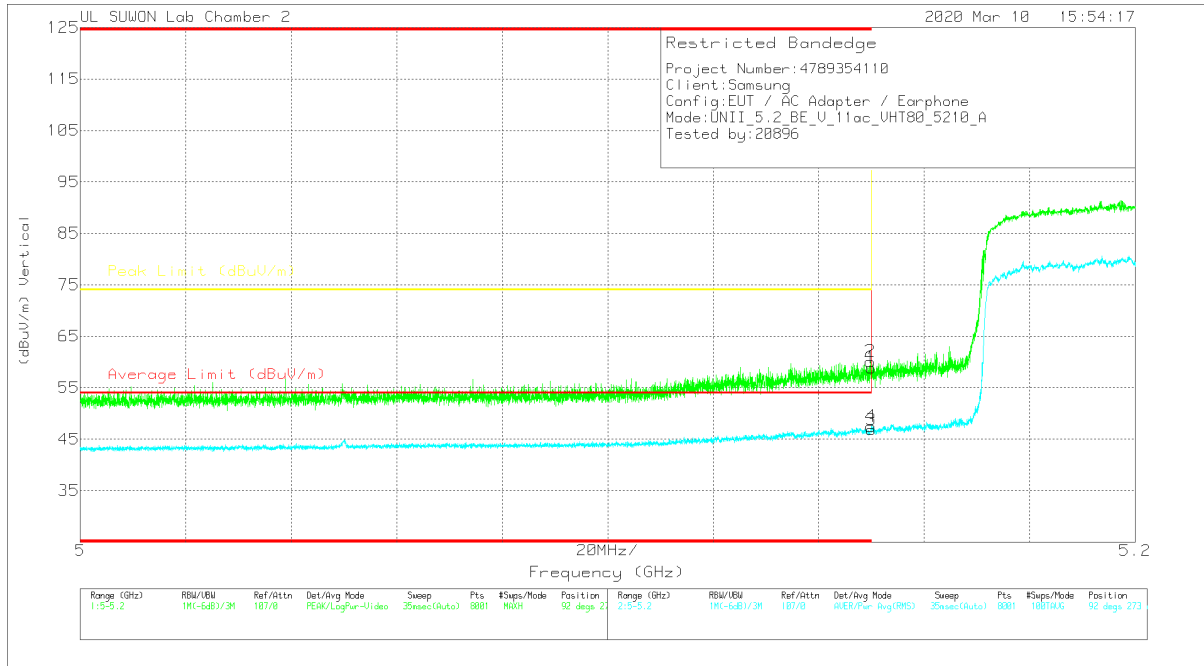
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	5.15	40.88	Pk	34.3	-18.1	0	57.08	-	-	74	-16.92	109	100	H
2	* 5.1446	43.48	Pk	34.3	-18.1	0	59.68	-	-	74	-14.32	109	100	H
3	5.15	29.2	RMS	34.3	-18.1	.48	45.88	54	-8.12	-	-	109	100	H
4	* 5.14438	30.35	RMS	34.3	-18.1	.48	47.03	54	-6.97	-	-	109	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	42.68	Pk	34.3	-18.1	0	58.88	-	-	74	-15.12	92	273	V
2	* 5.14978	43.91	Pk	34.3	-18.1	0	60.11	-	-	74	-13.89	92	273	V
3	5.15	30.17	RMS	34.3	-18.1	48	46.85	54	-7.15	-	-	92	273	V
4	* 5.1499	30.81	RMS	34.3	-18.1	48	47.49	54	-6.51	-	-	92	273	V

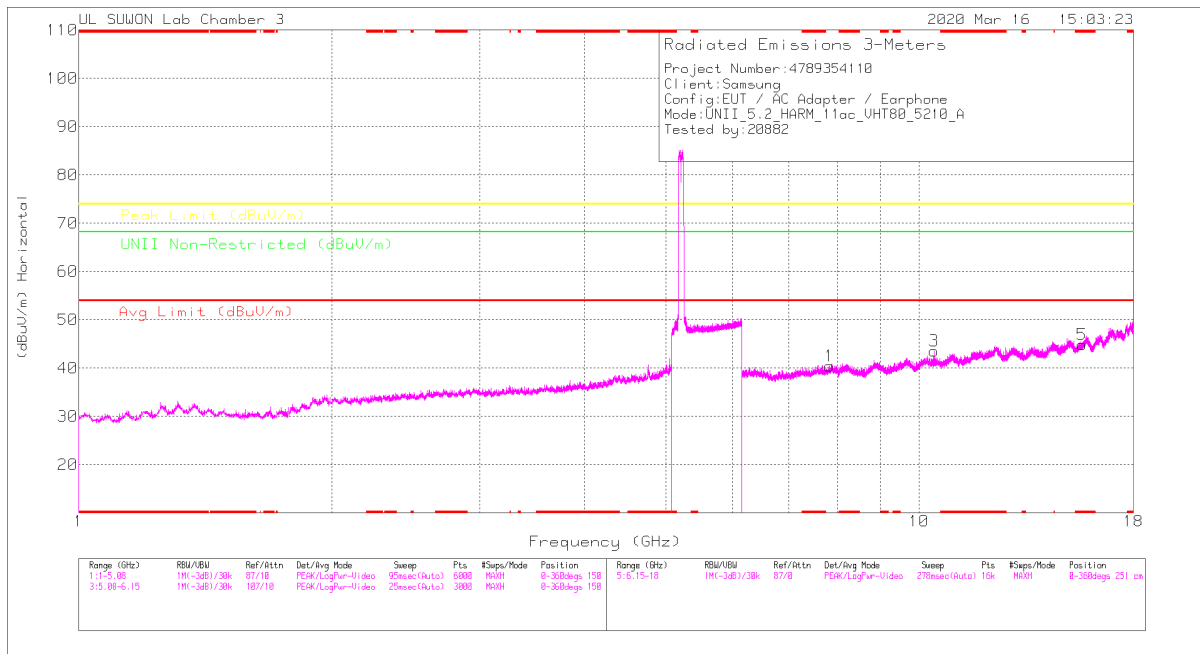
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

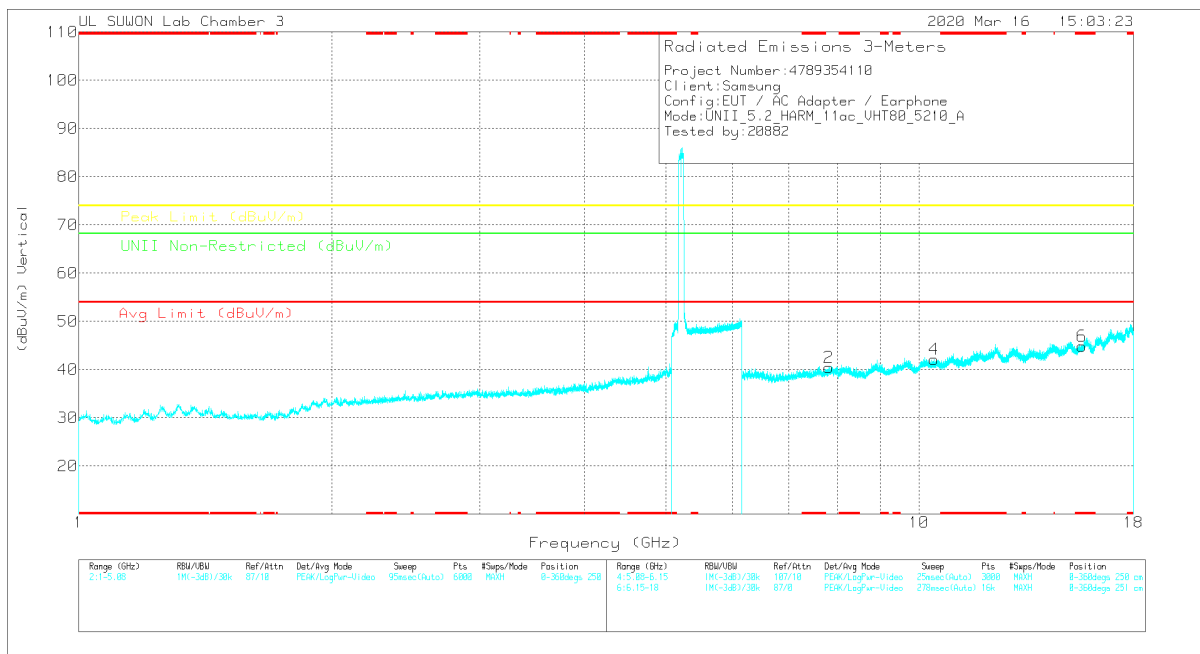
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	31.17_00209569	6GHz_HFdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	7.82169	26.86	PK	35.9	-22.3	0	40.46	-	-	-	-	68.2	-27.74	0-360	150	H
3	10.41997	25.07	PK	37.6	-19.1	0	43.57	-	-	-	-	68.2	-24.63	0-360	251	H
5	* 15.62577	23.86	PK	40.3	-19.3	0	44.86	-	-	74	-29.14	-	-	0-360	251	H
2	7.83636	26.67	PK	35.9	-22.3	0	40.47	-	-	-	-	68.2	-27.73	0-360	150	V
4	10.41997	23.6	PK	37.6	-19.1	0	42.1	-	-	-	-	68.2	-26.1	0-360	251	V
6	* 15.638	23.8	PK	40.3	-19.3	0	44.8	-	-	74	-29.2	-	-	0-360	251	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Mask Reading (dBuV)	Det	31.17_00209569	6GHz_HFdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
7.82192	36.33	PK-U	35.9	-22.3	0	49.93	-	-	-	-	68.2	-18.27	0	100	H
7.82174	35.81	PK-U	35.9	-22.3	0	49.41	-	-	-	-	68.2	-18.79	0	100	V
10.41996	33.84	PK-U	37.6	-19.1	0	52.34	-	-	-	-	68.2	-15.86	84	237	H
10.42014	33.47	PK-U	37.6	-19.1	0	51.97	-	-	-	-	68.2	-16.23	22	103	V
* 15.62889	34.11	PK-U	40.3	-19.3	0	55.11	-	-	74	-18.89	-	-	0	100	H
* 15.62943	34.13	PK-U	40.3	-19.2	0	55.23	-	-	74	-18.77	-	-	0	100	V

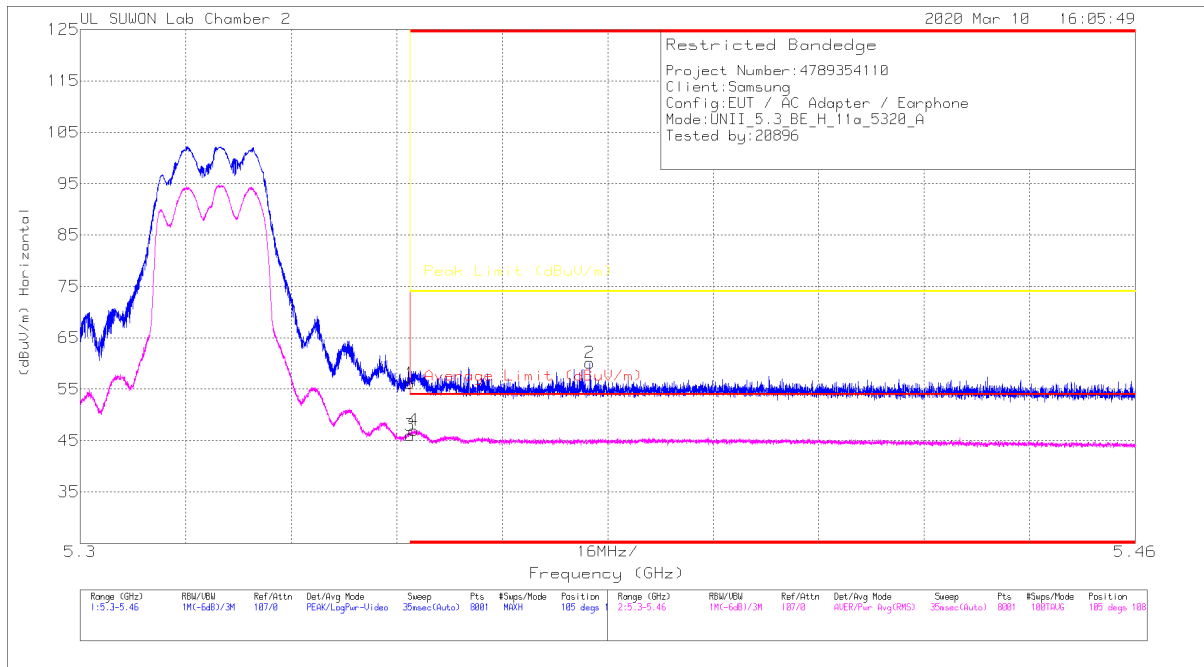
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.2. 5.3 GHz

11.2.1. TX ABOVE 1 GHz 802.11a 2Tx MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

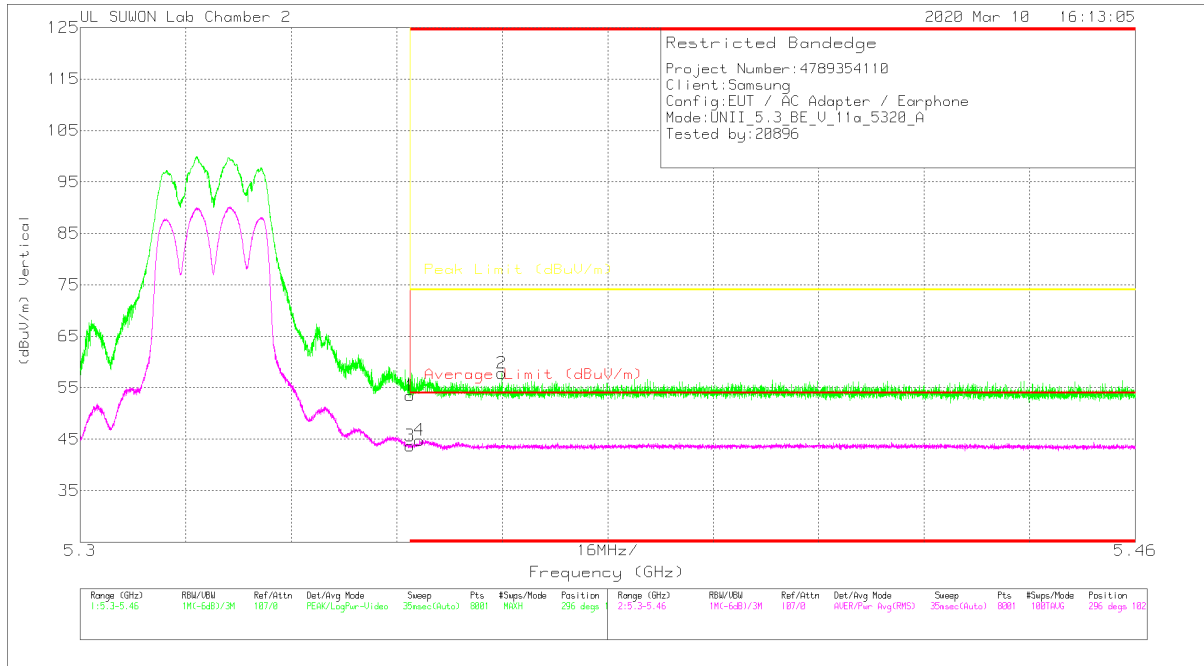
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	39.74	Pk	34.5	-18.1	0	56.14	-	-	74	-17.86	105	108	H
2	* 5.3773	43.83	Pk	34.5	-18.2	0	60.13	-	-	74	-13.87	105	108	H
3	* 5.35002	29.49	RMS	34.5	-18.1	-15	46.04	54	-7.96	-	-	105	108	H
4	* 5.35058	30.44	RMS	34.5	-18.1	-15	46.99	54	-7.01	-	-	105	108	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	37.07	Pk	34.5	-18.1	0	53.67	-	-	74	-20.53	296	102	V
2	* 5.36392	41.43	Pk	34.5	-18.1	0	57.83	-	-	74	-16.17	296	102	V
3	* 5.35002	27.17	RMS	34.5	-18.1	15	43.72	54	-10.28	-	-	296	102	V
4	* 5.35148	28.27	RMS	34.5	-18.1	15	44.82	54	-9.18	-	-	296	102	V

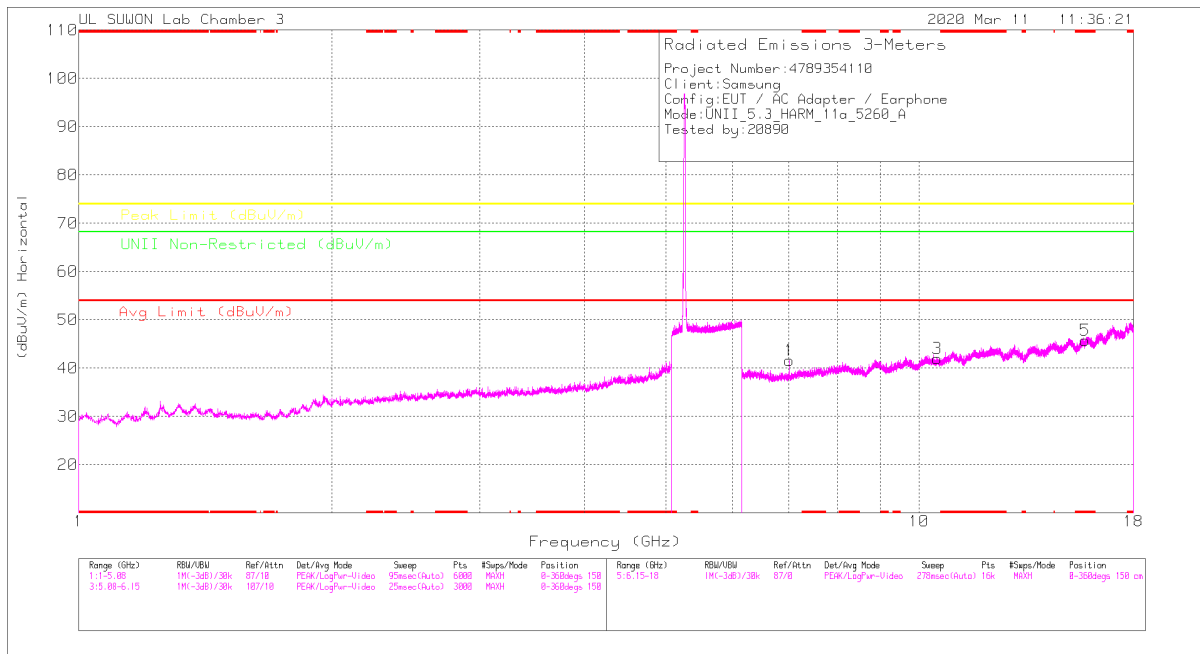
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

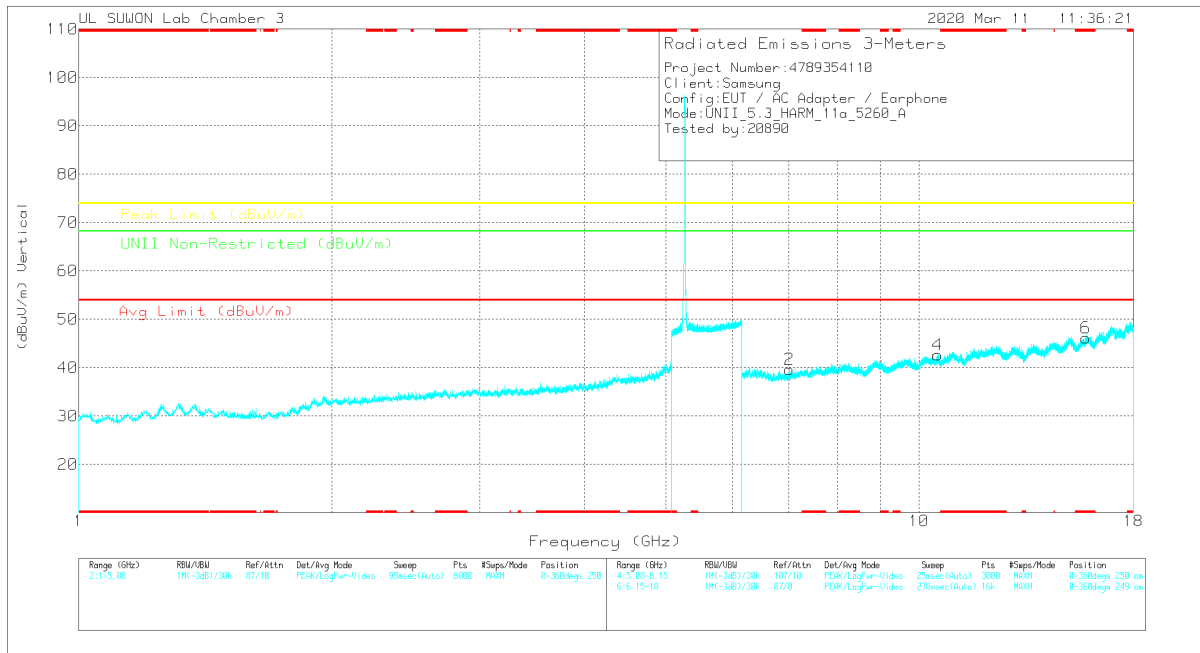
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	317_0020969	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
1	7.01288	29.79	PK	35.7	-23.9	0	41.59	-	-	-	-	68.2	-26.61	0-360	150	H
3	10.52218	23.32	PK	37.7	-19	0	42.02	-	-	-	-	68.2	-26.18	0-360	150	H
5	* 15.77946	24.23	PK	40.5	-19	0	45.73	-	-	74	-28.27	-	-	0-360	250	H
2	7.01288	27.32	PK	35.7	-23.9	0	39.62	-	-	-	-	68.2	-28.59	0-360	249	V
4	10.52266	23.91	PK	37.7	-19	0	42.51	-	-	-	-	68.2	-25.59	0-360	249	V
6	* 15.78465	24.67	PK	40.5	-19	0	46.17	-	-	74	-27.83	-	-	0-360	150	V

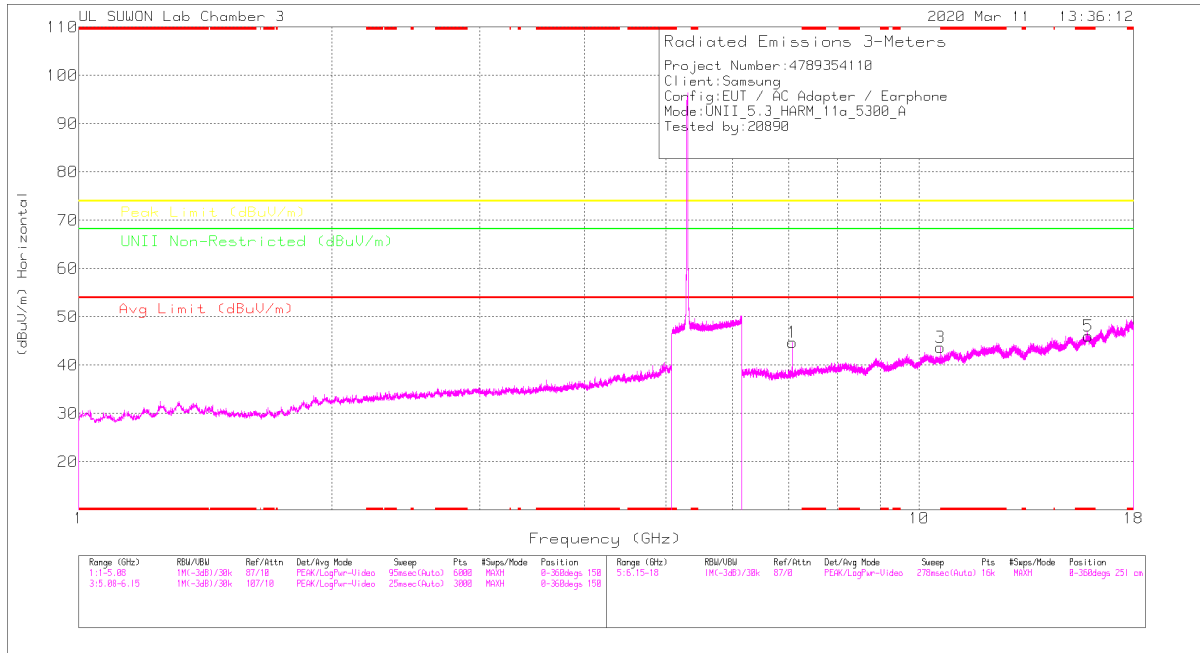
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

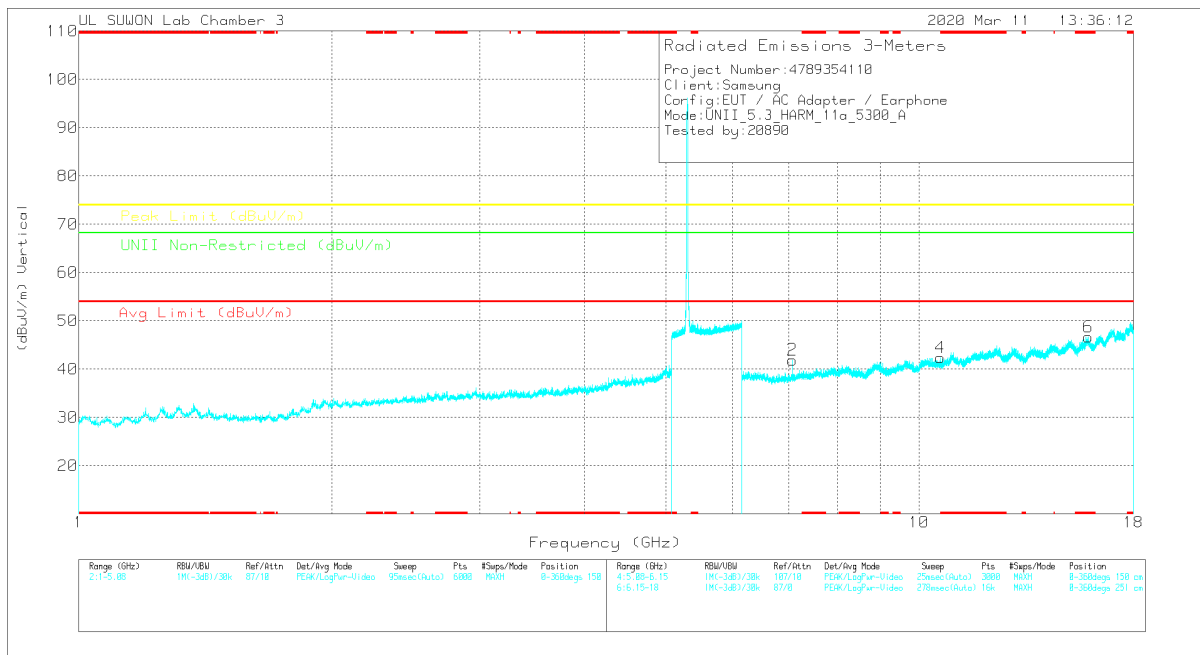
Frequency (GHz)	Mask Reading (dBuV)	Det	317_0020969	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
7.01336	38.47	PK-U	35.7	-23.9	0	50.27	-	-	-	-	68.2	-17.93	68	178	H
7.01336	37.67	PK-U	35.7	-23.9	0	49.47	-	-	-	-	68.2	-18.73	97	258	V
10.52248	32.6	PK-U	37.7	-19	0	51.3	-	-	-	-	68.2	-16.9	0	100	H
10.52204	33.8	PK-U	37.7	-19	0	52.5	-	-	-	-	68.2	-15.7	0	100	V
* 15.77358	33.66	PK-U	40.5	-19	0	55.16	-	-	74	-18.84	-	-	0	100	H
* 15.77248	33.79	PK-U	40.5	-19	0	55.29	-	-	74	-18.71	-	-	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	317_0020969	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	7.06621	32.78	PK	35.8	-23.9	0	44.68	-	-	-	-	68.2	-23.52	0-360	150	H
3	10.59995	25.04	PK	37.8	-19.1	0	43.74	-	-	-	-	68.2	-24.46	0-360	251	H
5	* 15.90167	23.98	PK	40.6	-18.5	0	46.08	-	-	74	-27.92	-	-	0-360	150	H
2	7.06621	30.03	PK	35.8	-23.9	0	41.93	-	-	-	-	68.2	-26.27	0-360	251	V
4	10.59995	23.72	PK	37.8	-19.1	0	42.42	-	-	-	-	68.2	-25.78	0-360	251	V
6	* 15.89501	24.42	PK	40.6	-18.4	0	46.62	-	-	74	-27.38	-	-	0-360	251	V

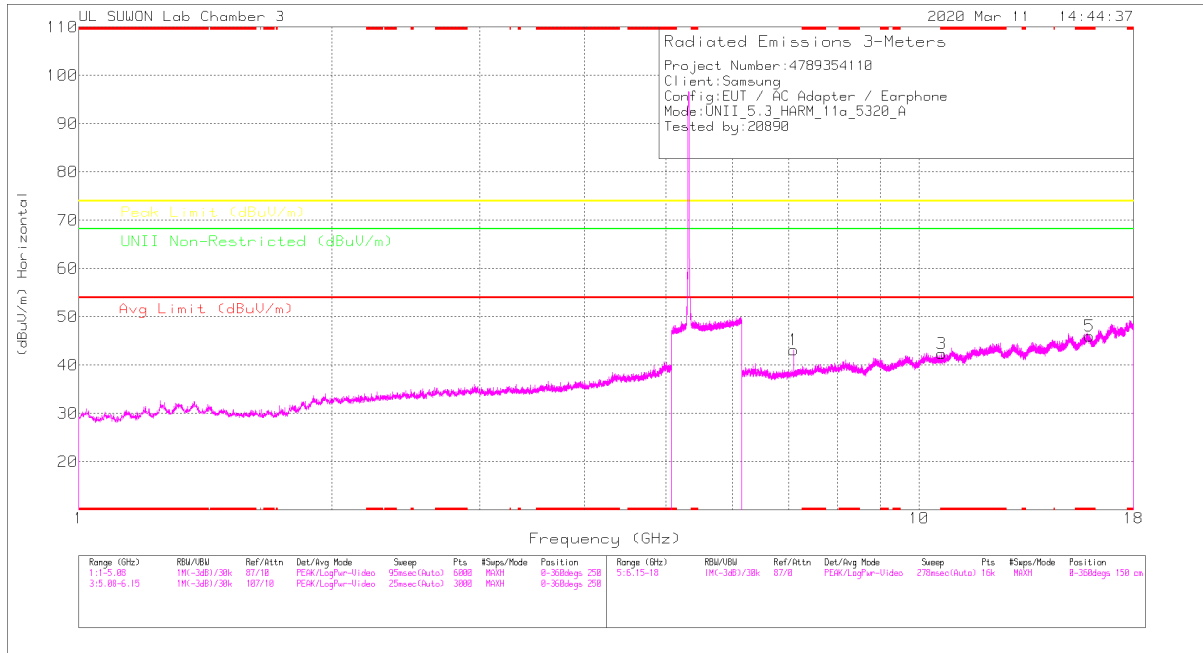
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

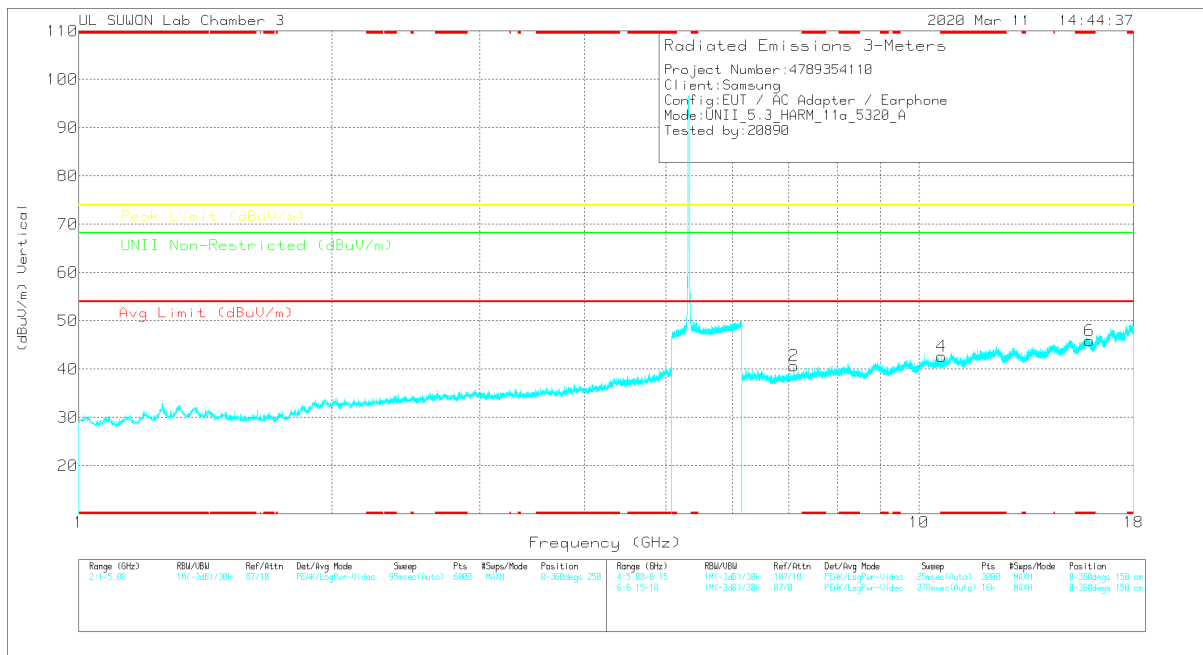
Frequency (GHz)	Mask Reading (dBuV)	Det	317_0020969	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
7.06654	39.55	PK-U	35.8	-23.9	0	51.45	-	-	-	-	68.2	-16.75	69	159	H
7.0671	38.14	PK-U	35.8	-23.9	0	50.04	-	-	-	-	68.2	-18.16	103	219	V
* 10.60157	33.53	PK-U	37.8	-19.1	0	52.23	-	-	74	-21.77	-	-	75	266	H
* 10.60153	21.72	ADR	37.8	-19.1	.15	40.57	54	-13.43	-	-	-	-	75	266	H
* 10.60084	36.24	PK-U	37.8	-19.1	0	54.94	-	-	74	-19.06	-	-	14	100	V
* 10.60053	24.75	ADR	37.8	-19.1	.15	43.6	54	-10.4	-	-	-	-	14	100	V
* 15.89241	33.91	PK-U	40.6	-18.4	0	56.11	-	-	74	-17.89	-	-	0	100	H
* 15.90051	34.09	PK-U	40.6	-18.4	0	56.29	-	-	74	-17.71	-	-	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	317_0020969	6GHz_HFdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	7.09287	31.37	PK	35.8	-24	0	43.17	-	-	-	-	68.2	-25.03	0-360	150	H
3	* 10.63995	23.74	PK	37.8	-19.1	0	42.44	-	-	74	-31.56	-	-	0-360	250	H
5	* 15.96315	23.71	PK	40.7	-18.4	0	46.01	-	-	74	-27.99	-	-	0-360	250	H
2	7.09297	28.67	PK	35.8	-24	0	40.67	-	-	-	-	68.2	-27.53	0-360	250	V
4	* 10.63921	23.97	PK	37.8	-19.1	0	42.67	-	-	74	-31.33	-	-	0-360	250	V
6	* 15.96315	23.56	PK	40.7	-18.4	0	45.66	-	-	74	-28.14	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

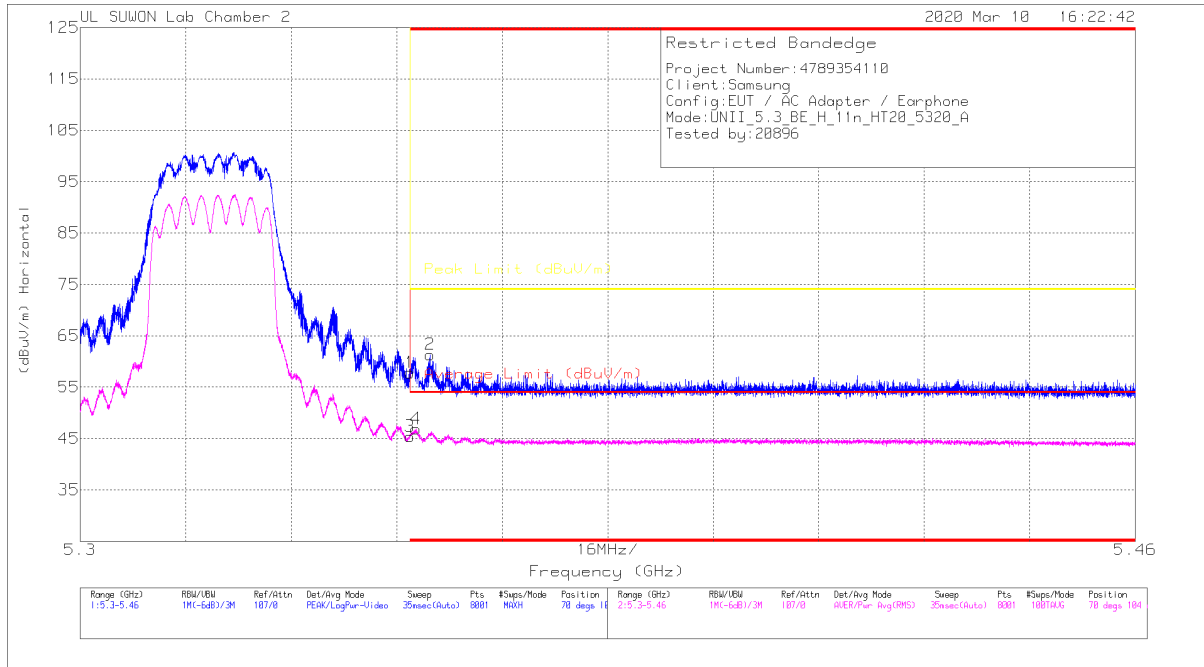
Frequency (GHz)	Meas Reading (dBuV)	Det	317_0020969	6GHz_HFdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
7.09233	38.94	PK-U	35.8	-24	0	50.74	-	-	-	-	68.2	-17.46	71	149	H
7.09328	37.72	PK-U	35.8	-24	0	49.52	-	-	-	-	68.2	-18.68	112	169	V
* 10.63925	32.89	PK-U	37.8	-19.1	0	51.59	-	-	74	-22.41	-	-	0	100	H
* 10.63671	33.1	PK-U	37.8	-19.1	0	51.8	-	-	74	-22.2	-	-	0	100	V
* 15.96616	33.37	PK-U	40.7	-18.4	0	55.67	-	-	74	-18.33	-	-	0	100	H
* 15.95894	33.73	PK-U	40.7	-18.4	0	56.03	-	-	74	-17.97	-	-	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.2.2. TX ABOVE 1GHz 802.11n HT20 2Tx MODE IN THE 5.3GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

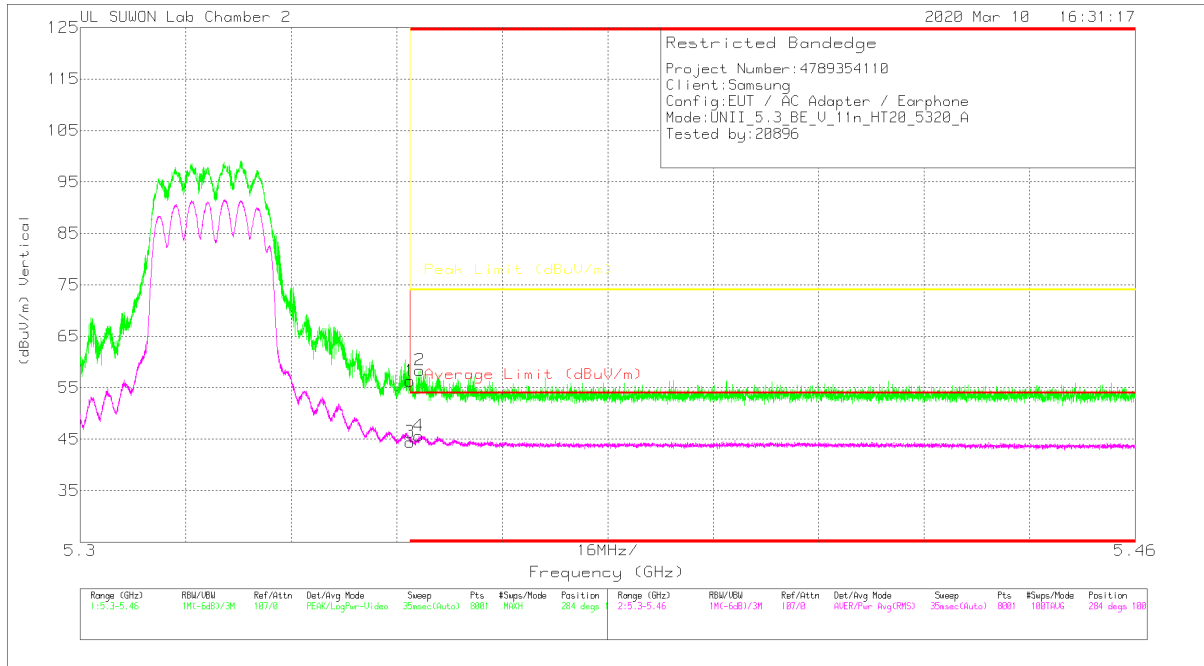
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	41.43	Pk	34.5	-18.1	0	57.83	-	-	74	-16.17	70	104	H
2	* 5.35306	44.95	Pk	34.5	-18.1	0	61.35	-	-	74	-12.65	70	104	H
3	* 5.35002	28.91	RMS	34.5	-18.1	.09	45.4	54	-8.6	-	-	70	104	H
4	* 5.35092	30.38	RMS	34.5	-18.1	.09	46.87	54	-7.13	-	-	70	104	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



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	* 5.35002	39.96	Pk	34.5	-18.1	0	58.36	-	-	74	-17.64	284	100	V
2	* 5.3515	42.01	Pk	34.5	-18.1	0	58.41	-	-	74	-15.59	284	100	V
3	* 5.35002	27.96	RMS	34.5	-18.1	.09	44.45	54	-9.55	-	-	284	100	V
4	* 5.35134	29.18	RMS	34.5	-18.1	.09	45.67	54	-8.33	-	-	284	100	V

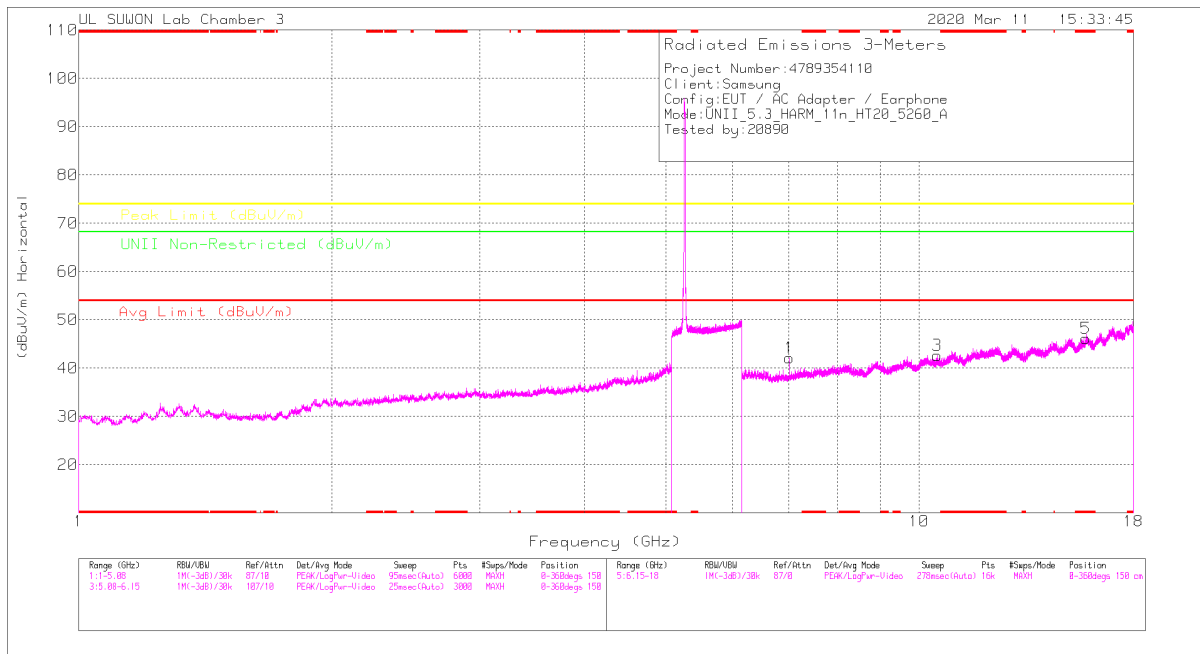
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

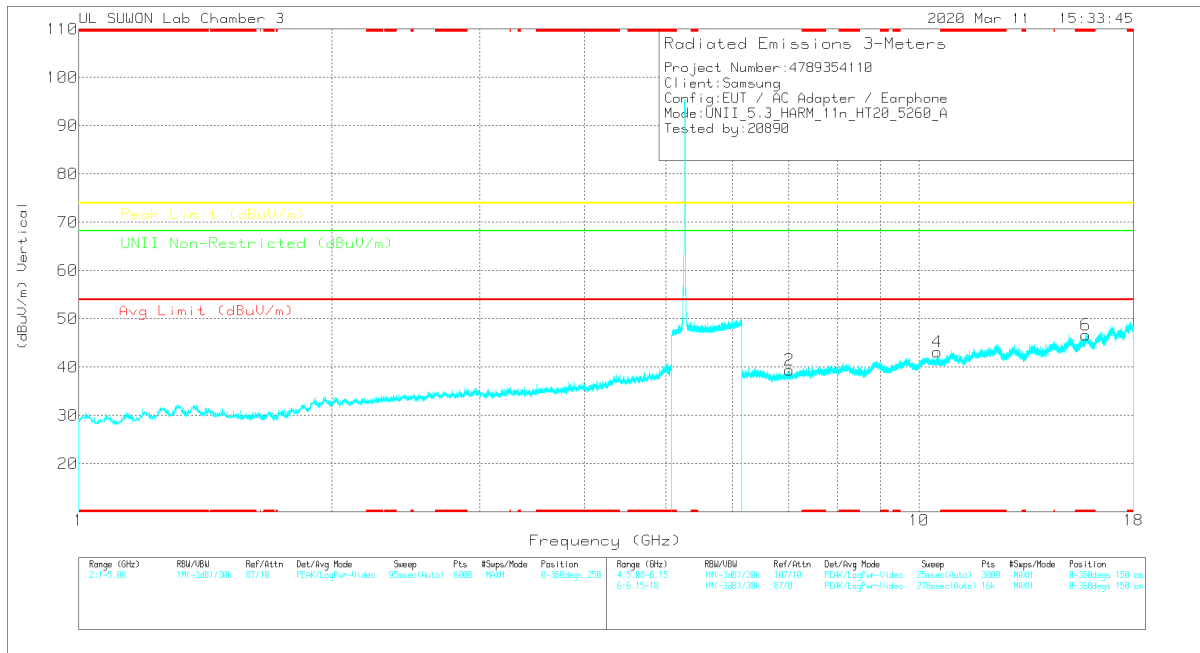
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	317_0020969	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Deg)	Height (cm)	Polarity
1	7.01288	30.35	PK	35.7	-23.9	0	42.15	-	-	-	-	68.2	-26.05	0-360	150	H
3	10.52144	23.98	PK	37.7	-19	0	42.68	-	-	-	-	68.2	-25.52	0-360	250	H
5	* 15.9002	24.47	PK	40.5	-18.8	0	46.17	-	-	74	-27.83	-	-	0-360	250	H
2	7.01288	27.59	PK	35.7	-23.9	0	39.38	-	-	-	-	68.2	-28.82	0-360	250	V
4	10.51848	24.46	PK	37.7	-19	0	43.16	-	-	-	-	68.2	-25.04	0-360	250	V
6	* 15.78391	25.21	PK	40.5	-19	0	46.71	-	-	74	-27.29	-	-	0-360	150	V

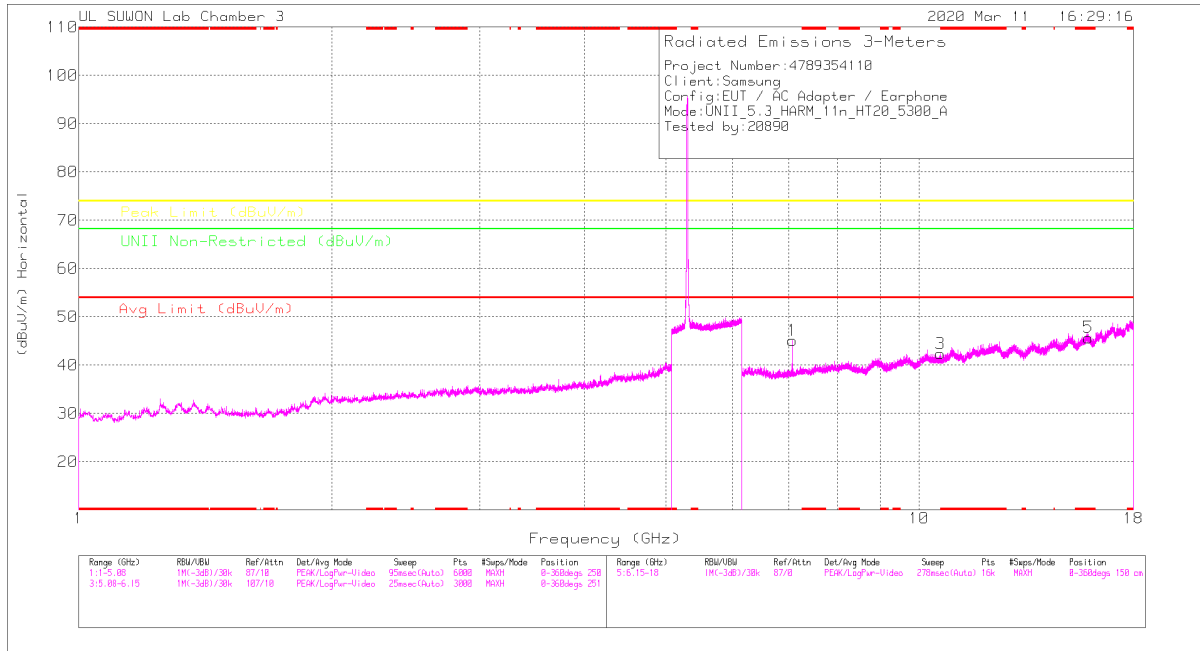
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

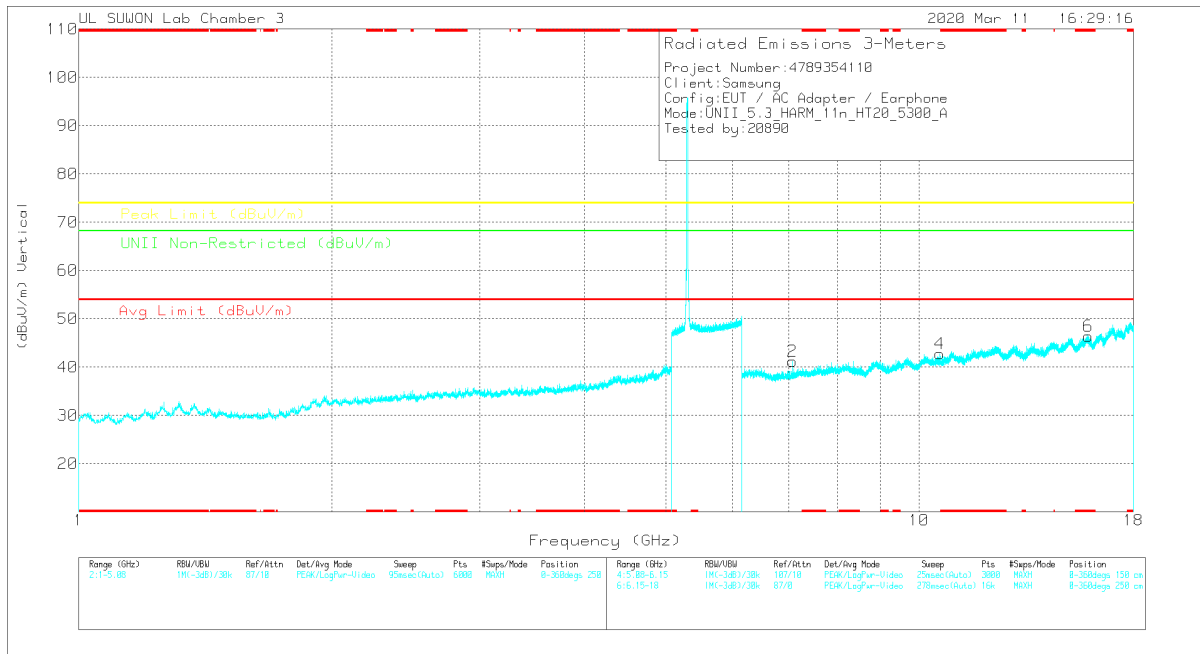
Frequency (GHz)	Meas Reading (dBuV)	Det	317_0020969	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Deg)	Height (cm)	Polarity
7.01328	37.7	PK-U	35.7	-23.9	0	49.5	-	-	-	-	68.2	-18.7	85	160	H
7.0133	37.27	PK-U	35.7	-23.9	0	49.07	-	-	-	-	68.2	-19.13	90	273	V
10.51856	32.59	PK-U	37.7	-19	0	51.29	-	-	-	-	68.2	-16.91	223	101	H
10.51854	34.56	PK-U	37.7	-19	0	53.26	-	-	-	-	68.2	-14.94	2	100	V
* 15.79273	33.9	PK-U	40.5	-18.9	0	55.5	-	-	74	-18.5	-	-	0	100	H
* 15.79628	33.84	PK-U	40.5	-18.8	0	55.54	-	-	74	-18.46	-	-	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	317_0000959	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNE Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	7.06621	33.2	PK	35.8	-23.9	0	45.1	-	-	-	-	68.2	-23.1	0-360	150	H
3	* 10.60291	23.64	PK	37.8	-19.1	0	42.34	-	-	74	-31.66	-	-	0-360	250	H
5	* 15.89649	23.5	PK	40.6	-18.4	0	45.7	-	-	74	-28.3	-	-	0-360	150	H
2	7.06621	29.27	PK	35.8	-23.9	0	41.77	-	-	-	-	68.2	-27.03	0-360	250	V
4	10.59254	24.02	PK	37.8	-19.1	0	42.72	-	-	-	-	68.2	-25.48	0-360	150	V
6	* 15.90316	24.36	PK	40.6	-18.5	0	46.46	-	-	74	-27.54	-	-	0-360	150	V

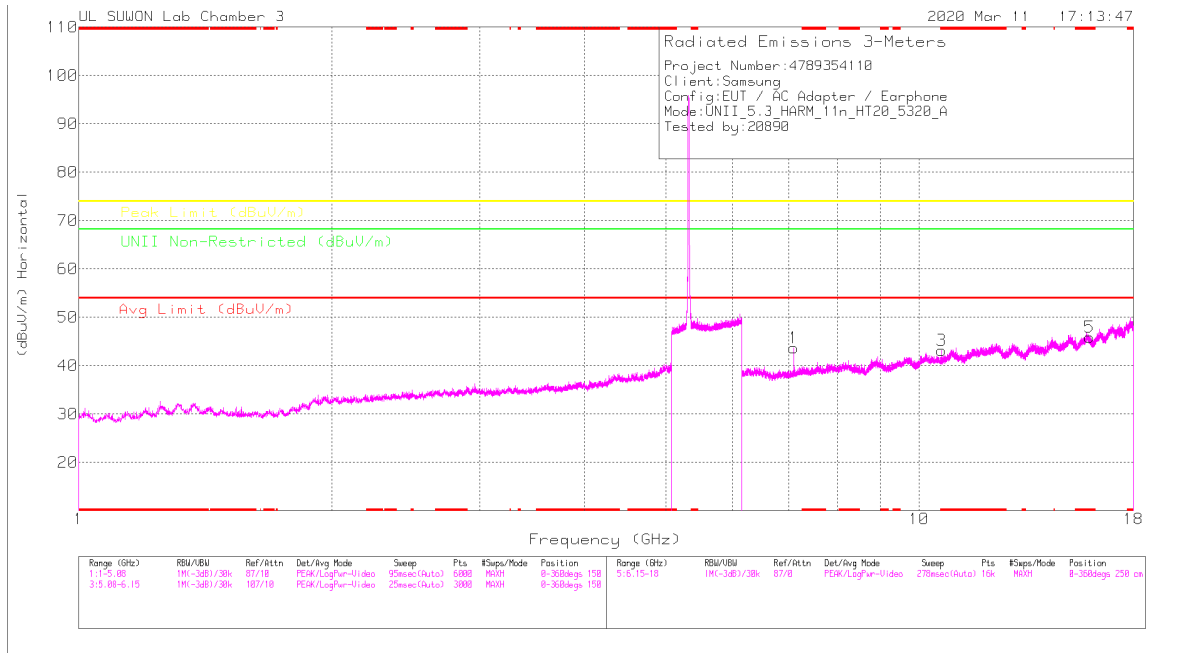
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

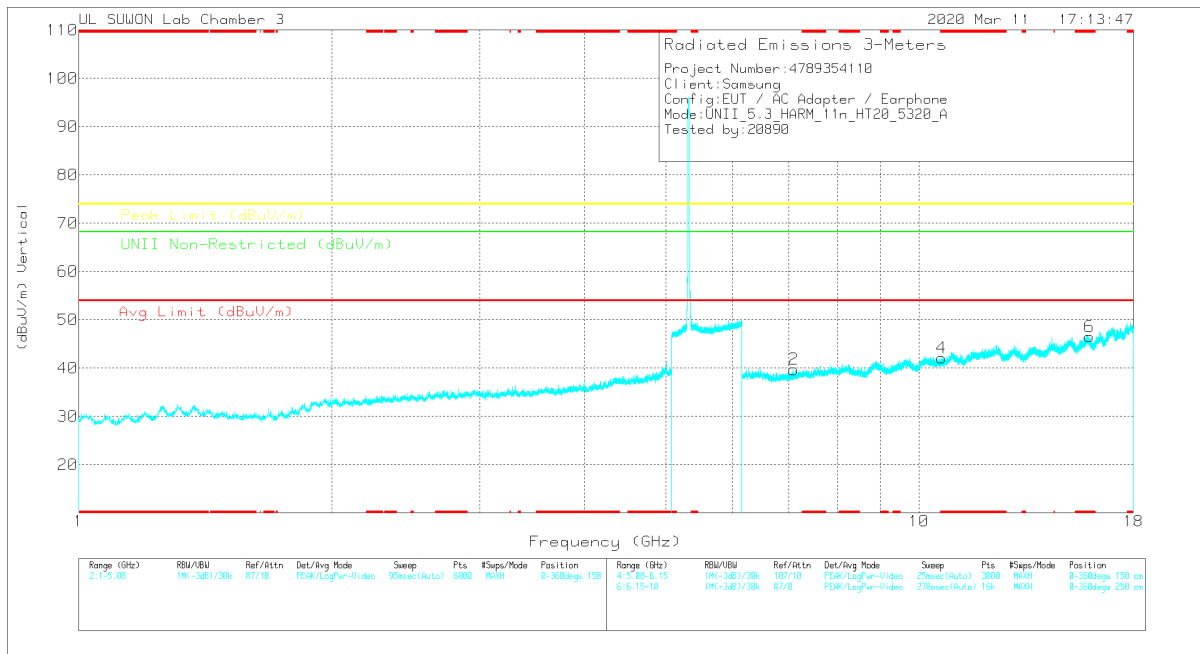
Frequency (GHz)	Marker Reading (dBuV)	Det	317_0000959	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNE Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
7.06634	39.58	PK-U	35.8	-23.9	0	51.48	-	-	-	-	68.2	-16.72	68	144	H
7.06626	37.16	PK-U	35.8	-23.9	0	49.06	-	-	-	-	68.2	-19.14	295	389	V
* 10.60241	31.62	PK-U	37.8	-19.1	0	50.32	-	-	74	-23.68	-	-	360	100	H
* 10.60292	33.57	PK-U	37.8	-19.1	0	52.27	-	-	74	-21.73	-	-	360	100	V
* 15.90181	33.68	PK-U	40.6	-18.5	0	55.78	-	-	74	-18.22	-	-	360	100	H
* 15.90176	33.85	PK-U	40.6	-18.5	0	55.95	-	-	74	-18.05	-	-	360	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	317_0020959	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Dops)	Height (cm)	Polarity
1	7.09287	31.83	PK	35.8	-24	0	43.63	-	-	-	-	68.2	-24.57	0-360	150	H
3	* 10.63476	24.51	PK	37.8	-19.1	0	43.21	-	-	74	-30.79	-	-	0-360	250	H
5	* 15.96463	23.65	PK	40.7	-18.4	0	45.95	-	-	74	-28.05	-	-	0-360	250	H
2	7.09361	27.93	PK	35.8	-24	0	39.73	-	-	-	-	68.2	-28.47	0-360	250	V
4	* 10.64291	23.48	PK	37.8	-19.1	0	42.18	-	-	74	-31.82	-	-	0-360	250	V
6	* 15.96685	24.35	PK	40.7	-18.5	0	46.55	-	-	74	-27.45	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

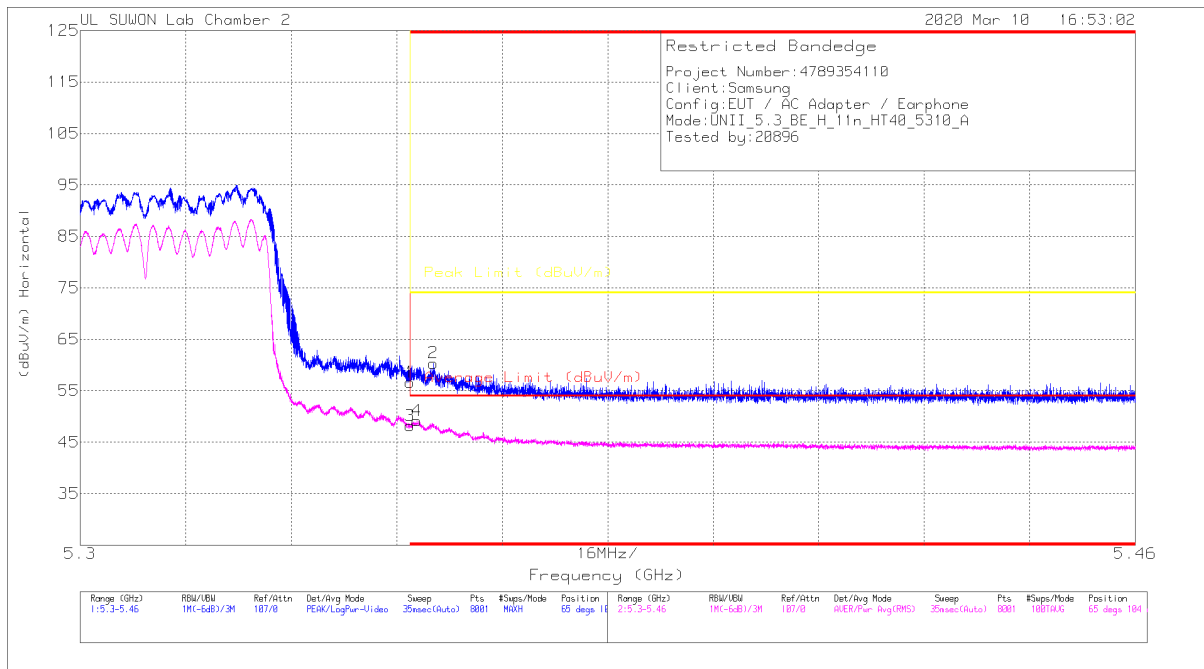
Frequency (GHz)	Mask Reading (dBuV)	Det	317_0020959	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Dops)	Height (cm)	Polarity
7.09344	38.74	PK-U	35.8	-24	0	50.54	-	-	-	-	68.2	-17.66	68	114	H
7.09292	37.03	PK-U	35.8	-24	0	48.83	-	-	-	-	68.2	-19.37	267	105	V
* 10.6317	32.53	PK-U	37.8	-19.1	0	51.23	-	-	74	-22.77	-	-	360	100	H
* 10.63588	32.84	PK-U	37.8	-19.1	0	51.54	-	-	74	-22.46	-	-	360	100	V
* 15.96735	33.77	PK-U	40.7	-18.5	0	55.97	-	-	74	-18.03	-	-	360	100	H
* 15.95834	34.26	PK-U	40.7	-18.4	0	56.56	-	-	74	-17.44	-	-	360	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.2.3. TX ABOVE 1GHz 802.11n HT40 2Tx MODE IN THE 5.3GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

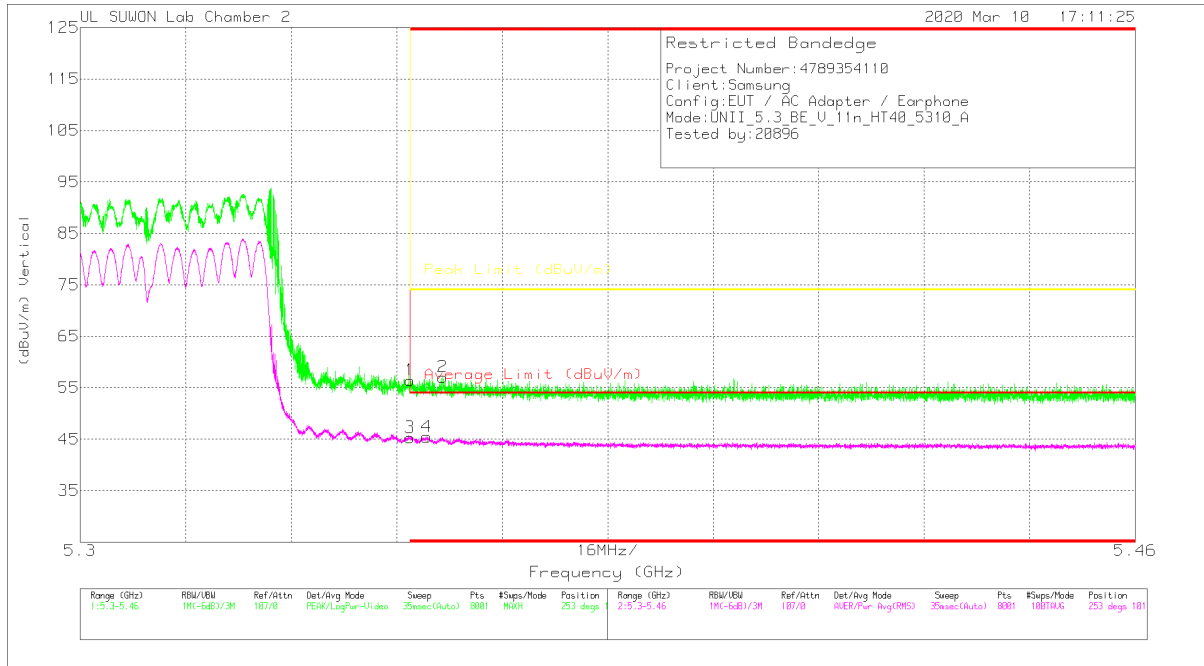


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	40.23	Pk	34.5	-18.1	0	56.63	-	-	74	-17.37	65	104	H
2	* 5.35354	44.06	Pk	34.5	-18.2	0	60.36	-	-	74	-13.64	65	104	H
3	* 5.35002	31.58	RMS	34.5	-18.1	.2	48.18	54	-5.82	-	-	65	104	H
4	* 5.35104	32.56	RMS	34.5	-18.1	.2	49.16	54	-4.84	-	-	65	104	H

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

VERTICAL PEAK AND AVERAGE DATA



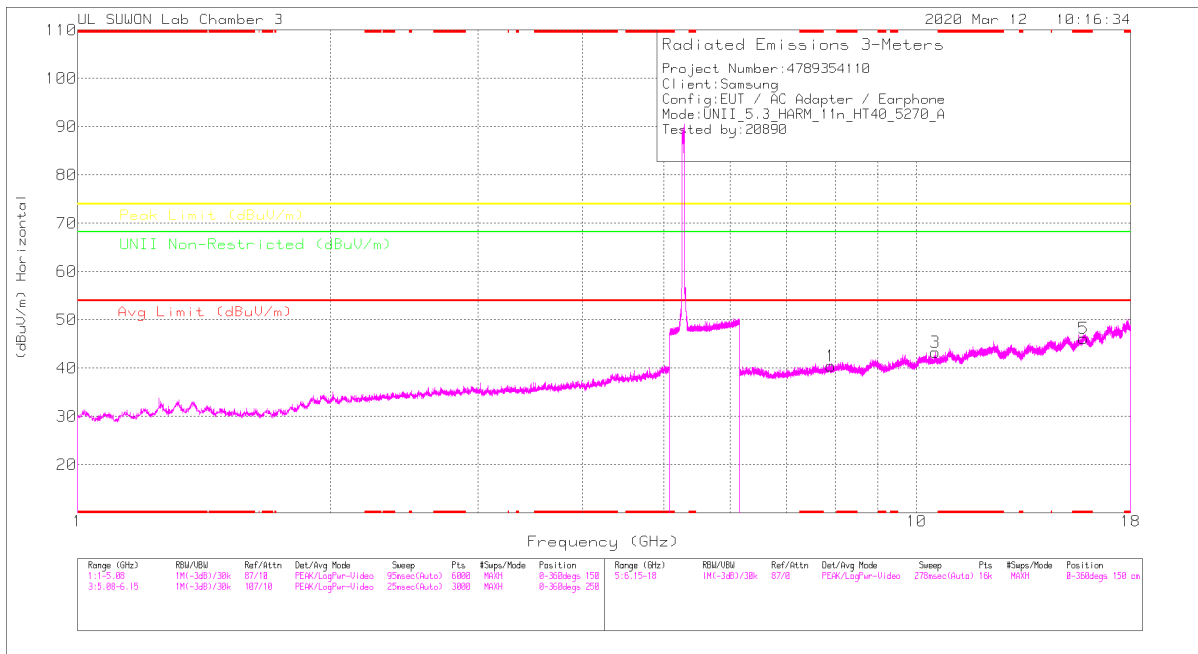
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	40.05	Pk	34.5	-18.1	0	56.45	-	-	74	-17.55	253	101	V
2	* 5.35498	40.77	Pk	34.5	-18.2	0	57.07	-	-	74	-16.93	253	101	V
3	* 5.35002	28.7	RMS	34.5	-18.1	.2	45.3	54	-8.7	-	-	253	101	V
4	* 5.35254	28.87	RMS	34.5	-18.1	.2	45.47	54	-8.53	-	-	253	101	V

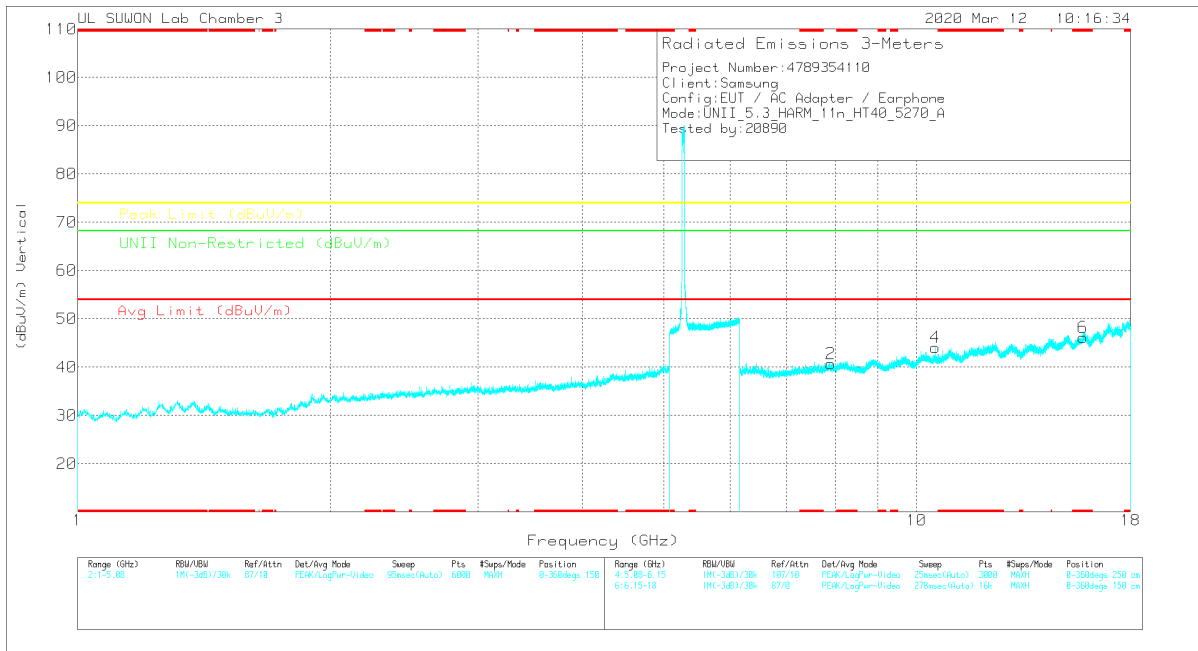
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	31.17_0020959	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.90169	26.57	PK	36	-22.1	0	40.47	-	-	-	-	68.2	-27.73	0-360	150	H
3	10.53922	24.57	PK	37.7	-19	0	43.27	-	-	-	-	68.2	-24.93	0-360	250	H
5	* 15.81057	24.42	PK	40.5	-18.8	0	46.12	-	-	74	-27.88	-	-	0-360	250	H
2	* 7.90021	26.85	PK	36	-22.1	0	40.15	-	-	-	-	68.2	-27.45	0-360	250	V
4	10.53956	25.43	PK	37.7	-19	0	44.13	-	-	-	-	68.2	-24.07	0-360	150	V
6	* 15.80909	24.61	PK	40.5	-18.9	0	46.21	-	-	74	-27.79	-	-	0-360	250	V

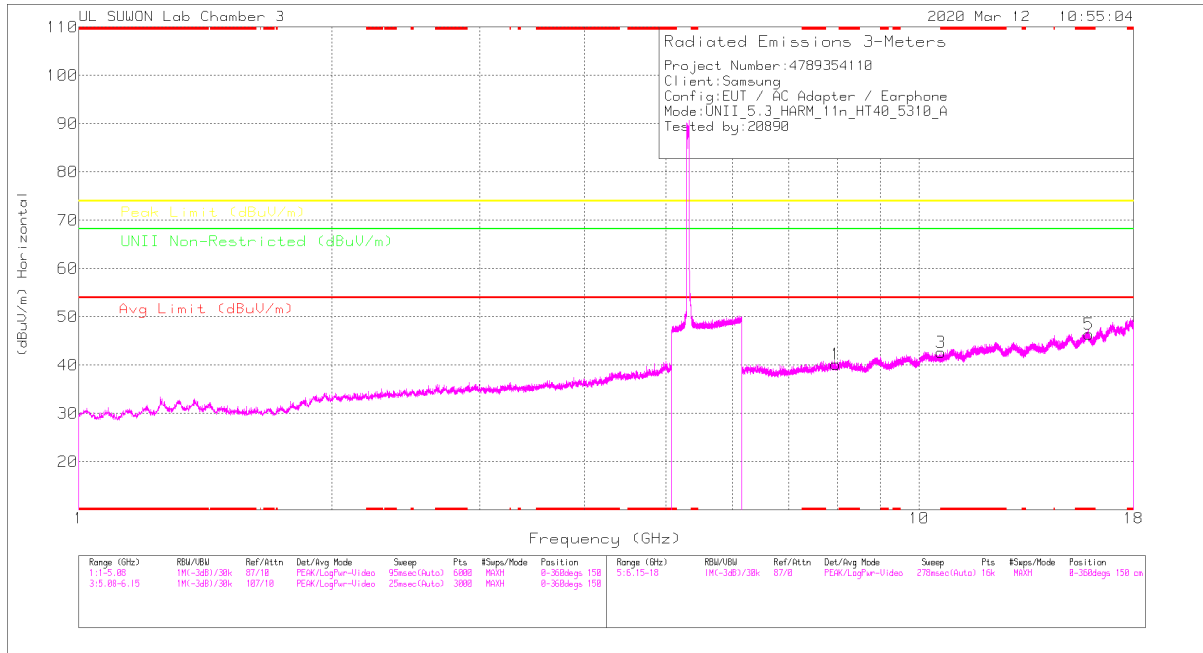
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

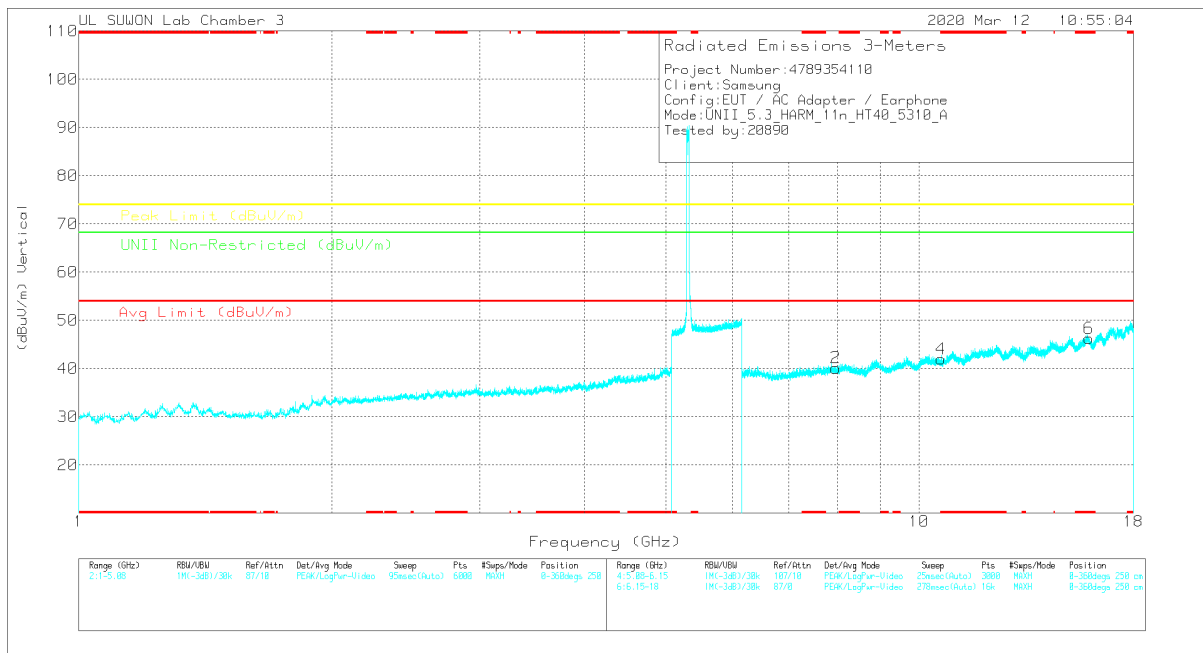
Frequency (GHz)	Marker Reading (dBuV)	Det	31.17_0020959	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.90186	35.74	PK-U	36	-22.1	0	49.64	-	-	-	-	68.2	-18.56	360	100	H
7.90163	36.02	PK-U	36	-22.1	0	49.52	-	-	-	-	68.2	-18.28	360	100	V
10.54014	33.59	PK-U	37.8	-19	0	52.39	-	-	-	-	68.2	-15.81	64	314	H
10.53958	34.43	PK-U	37.7	-19	0	53.13	-	-	-	-	68.2	-15.07	15	104	V
* 15.81181	34.16	PK-U	40.5	-18.9	0	55.76	-	-	74	-18.24	-	-	0	100	H
* 15.81072	34.28	PK-U	40.5	-18.8	0	55.98	-	-	74	-18.02	-	-	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	3117_00209569	6GHz_HFdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.96316	26.53	PK	36	-22.3	0	40.23	-	-	-	-	68.2	-27.97	0-360	150	H
3	* 10.61995	23.88	PK	37.8	-19	0	42.68	-	-	74	-31.32	-	-	0-360	250	H
5	* 15.935	24.12	PK	40.7	-18.4	0	46.42	-	-	74	-27.58	-	-	0-360	150	H
2	* 7.9555	26.42	PK	36	-22.3	0	40.12	-	-	-	-	68.2	-28.08	0-360	150	V
4	* 10.6281	23.31	PK	37.8	-19.1	0	42.01	-	-	74	-31.99	-	-	0-360	150	V
6	* 15.92908	24.06	PK	40.6	-18.4	0	46.26	-	-	74	-27.74	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

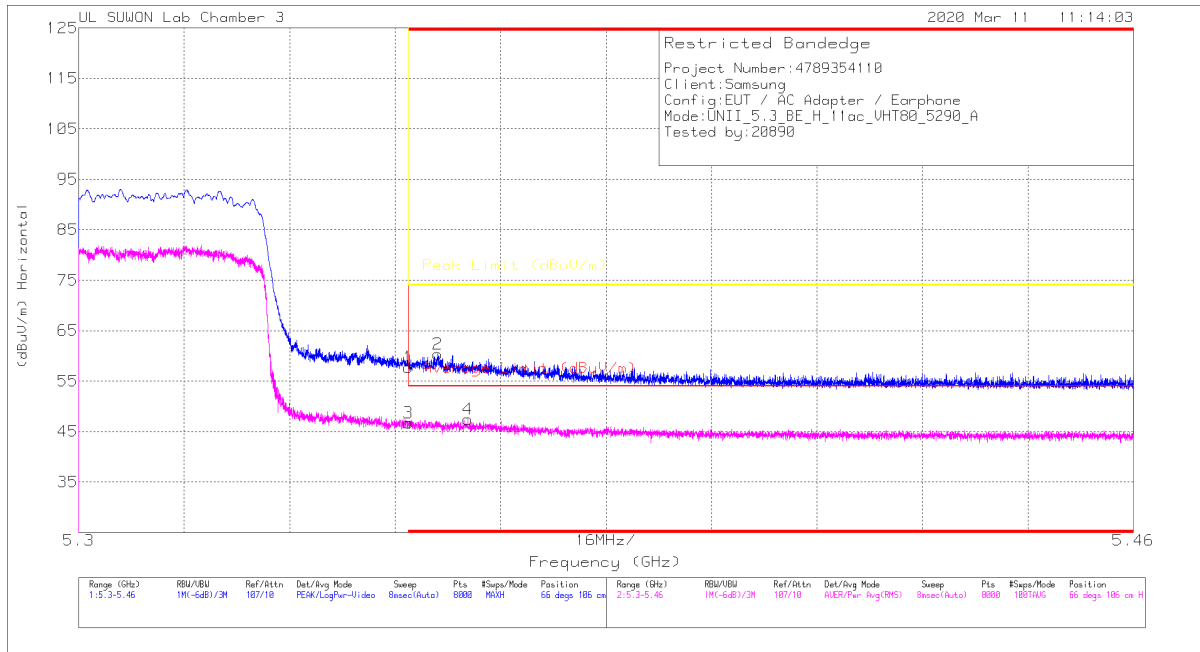
Frequency (GHz)	Marker Reading (dBuV)	Det	3117_00209569	6GHz_HFdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.96319	36.5	PK-U	36	-22.3	0	50.2	-	-	-	-	68.2	-18	0	100	H
7.96294	35.56	PK-U	36	-22.3	0	49.26	-	-	-	-	68.2	-18.94	0	100	V
* 10.62014	33.44	PK-U	37.8	-19	0	52.24	-	-	74	-21.76	-	-	0	100	H
* 10.61987	33.37	PK-U	37.8	-19	0	52.17	-	-	74	-21.83	-	-	0	100	V
* 15.93507	34.38	PK-U	40.7	-18.4	0	56.68	-	-	74	-17.32	-	-	0	100	H
* 15.9351	33.53	PK-U	40.7	-18.3	0	55.93	-	-	74	-18.07	-	-	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.2.4. TX ABOVE 1GHz 802.11ac VHT80 2Tx MODE IN THE 5.3GHz BAND

RESTRICTED BANDEDGE (MID CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

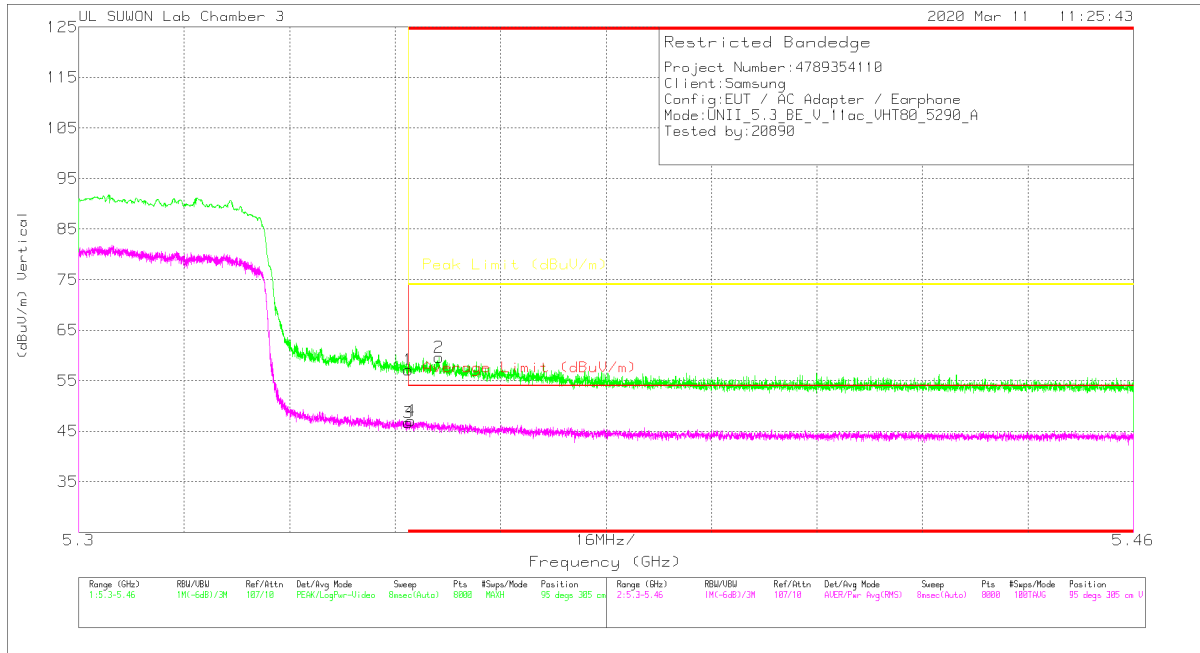
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	41.37	Pk	34.7	-18.3	0	57.77	-	-	74	-16.23	66	106	H
2	* 5.35451	43.99	Pk	34.7	-18.3	0	60.39	-	-	74	-13.61	66	106	H
3	* 5.35001	29.79	RMS	34.7	-18.3	48	46.67	54	-7.33	-	-	66	106	H
4	* 5.35901	30.48	RMS	34.7	-18.2	48	47.46	54	-6.54	-	-	66	106	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



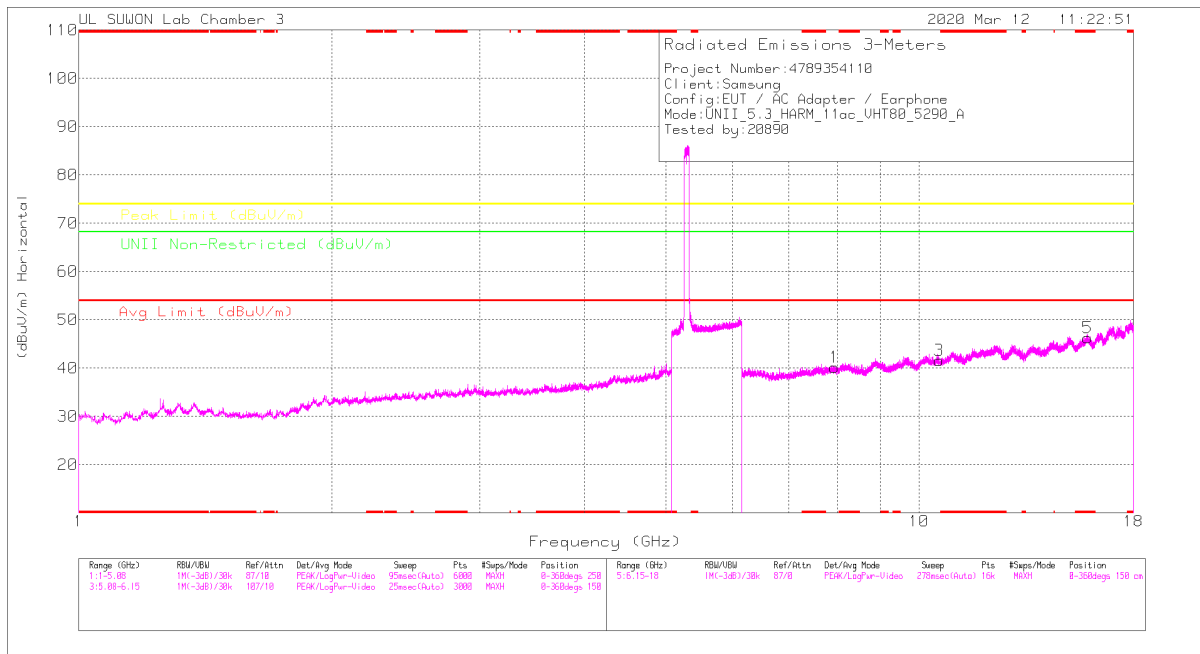
Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00205959	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	* 5.35001	40.75	Pk	34.7	-18.3	0	57.15	-	-	74	-16.85	95	305	V
2	* 5.35463	43.15	Pk	34.7	-18.3	0	59.55	-	-	74	-14.45	95	305	V
3	* 5.35001	29.77	RMS	34.7	-18.3	.48	46.65	54	-7.35	-	-	95	305	V
4	* 5.35037	30.2	RMS	34.7	-18.3	.48	47.08	54	-6.92	-	-	95	305	V

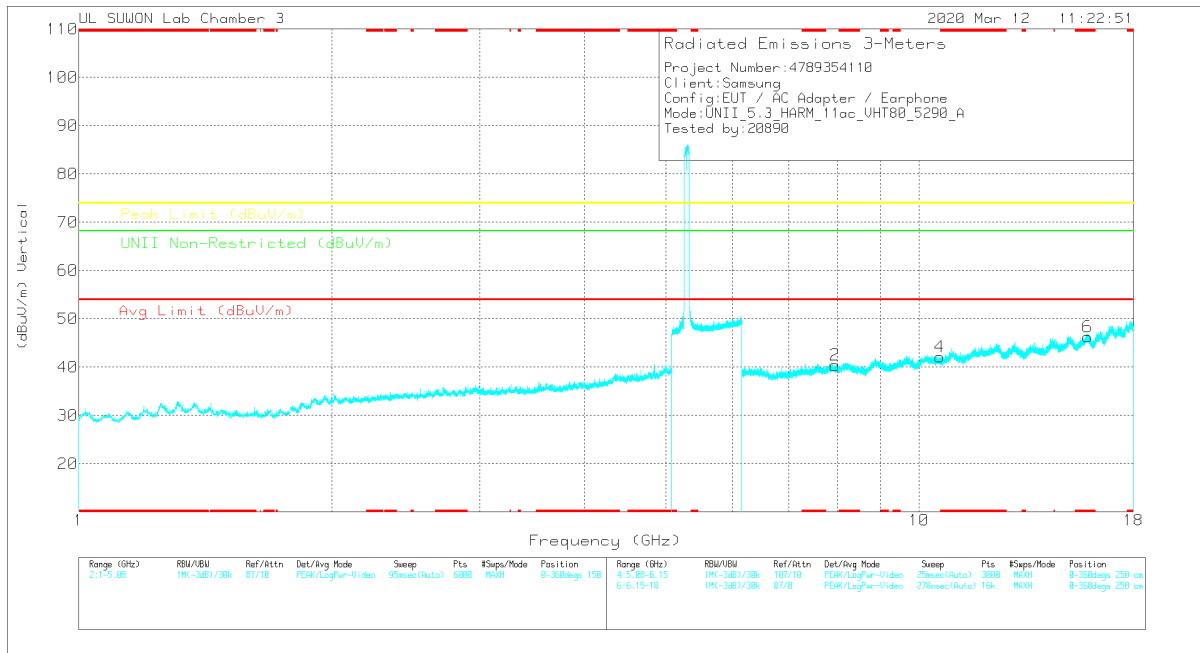
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	31.17_00209999	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNE Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
1	7.93428	26.33	PK	36	-22.2	0	40.13	-	-	-	-	68.2	-28.07	0-360	250	H
3	10.57551	22.91	PK	37.8	-19.1	0	41.61	-	-	-	-	68.2	-26.59	0-360	250	H
5	*15.87131	24.08	PK	40.6	-18.4	0	46.25	-	-	74	-	-	-27.74	0-360	250	H
2	7.94316	26.58	PK	36	-22.2	0	40.38	-	-	-	-	68.2	-27.82	0-360	250	V
4	10.57955	23.45	PK	37.8	-19.1	0	42.15	-	-	-	-	68.2	-26.05	0-360	250	V
6	*15.86908	24.15	PK	40.6	-18.5	0	46.25	-	-	74	-	-	-27.75	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Mask Reading (dBuV)	Det	31.17_00209999	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNE Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
7.93448	36.36	PK-U	36	-22.2	0	50.16	-	-	-	-	68.2	-18.04	0	100	H
7.93433	35.94	PK-U	36	-22.2	0	49.74	-	-	-	-	68.2	-18.46	0	100	V
10.57541	33.04	PK-U	37.8	-19.1	0	51.74	-	-	-	-	68.2	-16.46	0	100	H
10.57556	32.86	PK-U	37.8	-19.1	0	51.56	-	-	-	-	68.2	-16.64	0	100	V
*15.87138	33.89	PK-U	40.6	-18.4	0	56.09	-	-	74	-	-	-17.91	0	100	H
*15.87144	33.94	PK-U	40.6	-18.4	0	56.14	-	-	74	-	-	-17.86	0	100	V

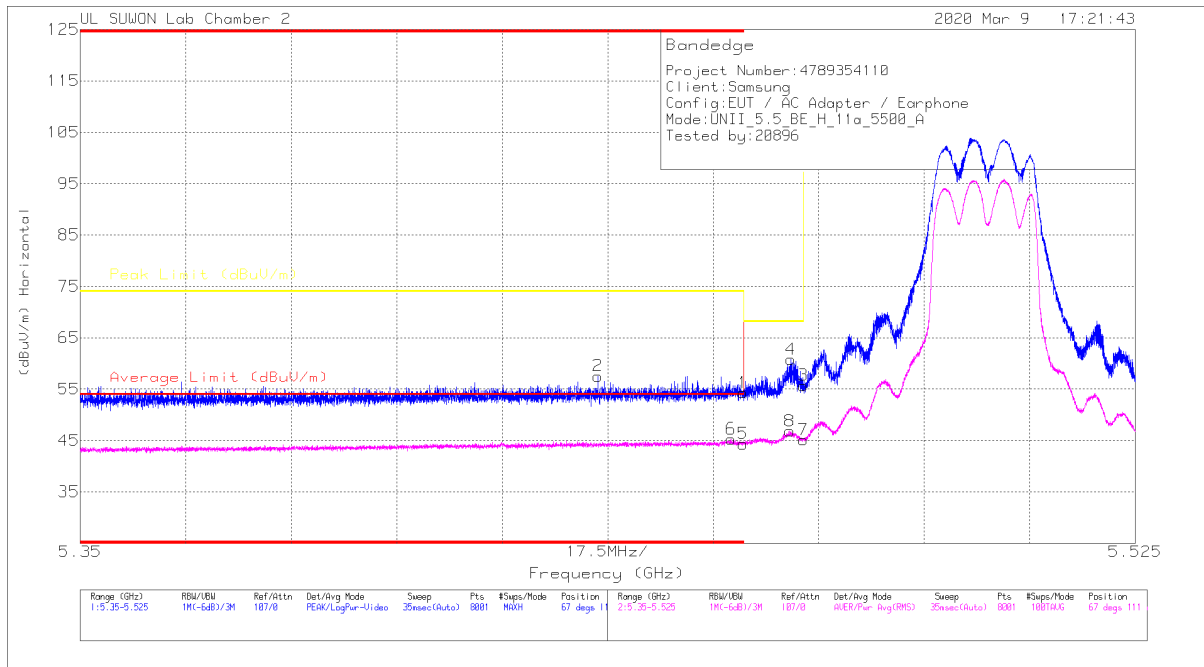
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.3. 5.5-5.6 GHz

11.3.1. TX ABOVE 1 GHz 802.11a 2Tx MODE IN THE 5.5 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

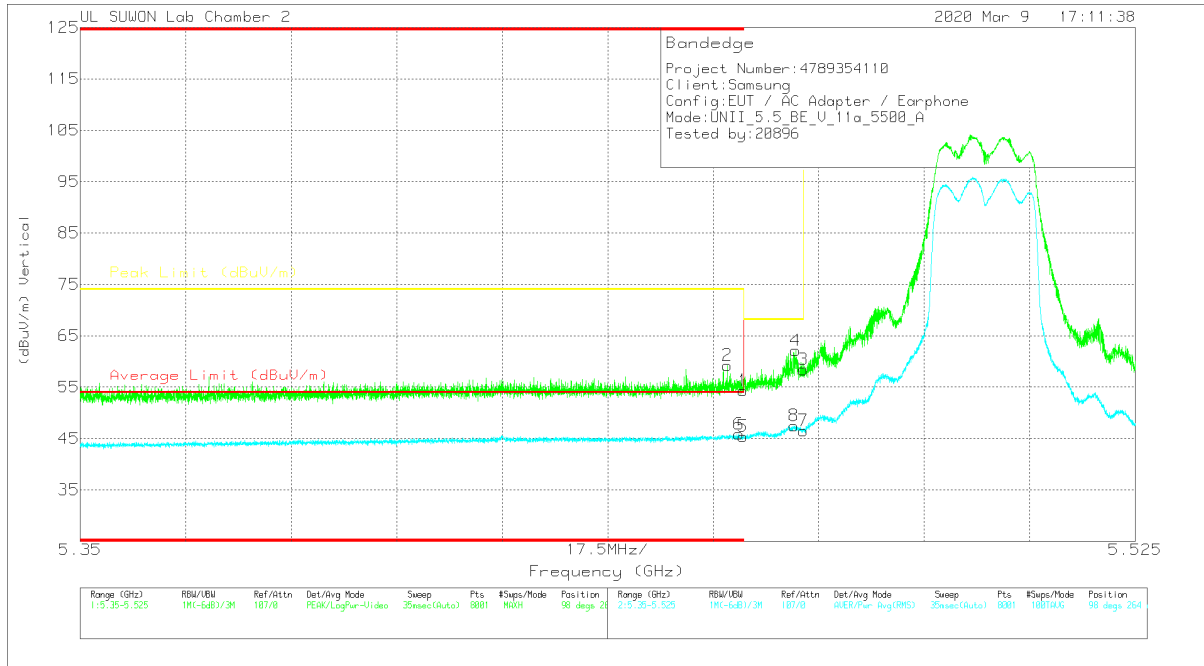
Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	37.79	Pk	34.6	-18.1	0	54.29	-	-	74	-19.71	67	111	H
2	* 5.43586	41.26	Pk	34.5	-18.2	0	57.56	-	-	74	-16.44	67	111	H
3	5.46998	39.22	Pk	34.6	-18.1	0	55.72	-	-	68.2	-12.48	67	111	H
4	5.46784	44.27	Pk	34.6	-18.1	0	60.77	-	-	68.2	-7.43	67	111	H
5	* 5.45999	27.72	RMS	34.6	-18.1	-15	44.37	54	-9.63	-	-	67	111	H
6	* 5.45793	28.63	RMS	34.6	-18.1	-15	45.28	54	-8.72	-	-	67	111	H
7	5.46998	28.48	RMS	34.6	-18.1	-15	45.13	-	-	-	-	67	111	H
8	5.46771	30.19	RMS	34.6	-18.1	-15	46.84	-	-	-	-	67	111	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	37.83	Pk	34.6	-18.1	0	54.33	-	-	74	-19.67	98	264	V
2	* 5.45734	42.74	Pk	34.6	-18.1	0	59.24	-	-	74	-14.76	98	264	V
3	5.46998	41.93	Pk	34.6	-18.1	0	58.43	-	-	68.2	-9.77	98	264	V
4	5.46865	45.62	Pk	34.6	-18.1	0	62.12	-	-	68.2	-6.08	98	264	V
5	* 5.45999	28.76	RMS	34.6	-18.1	-15	45.41	54	-8.59	-	-	98	264	V
6	* 5.45927	29.21	RMS	34.6	-18.1	-15	45.86	54	-8.14	-	-	98	264	V
7	5.46998	29.87	RMS	34.6	-18.1	-15	46.52	-	-	-	-	98	264	V
8	5.46841	30.85	RMS	34.6	-18.1	-15	47.5	-	-	-	-	98	264	V

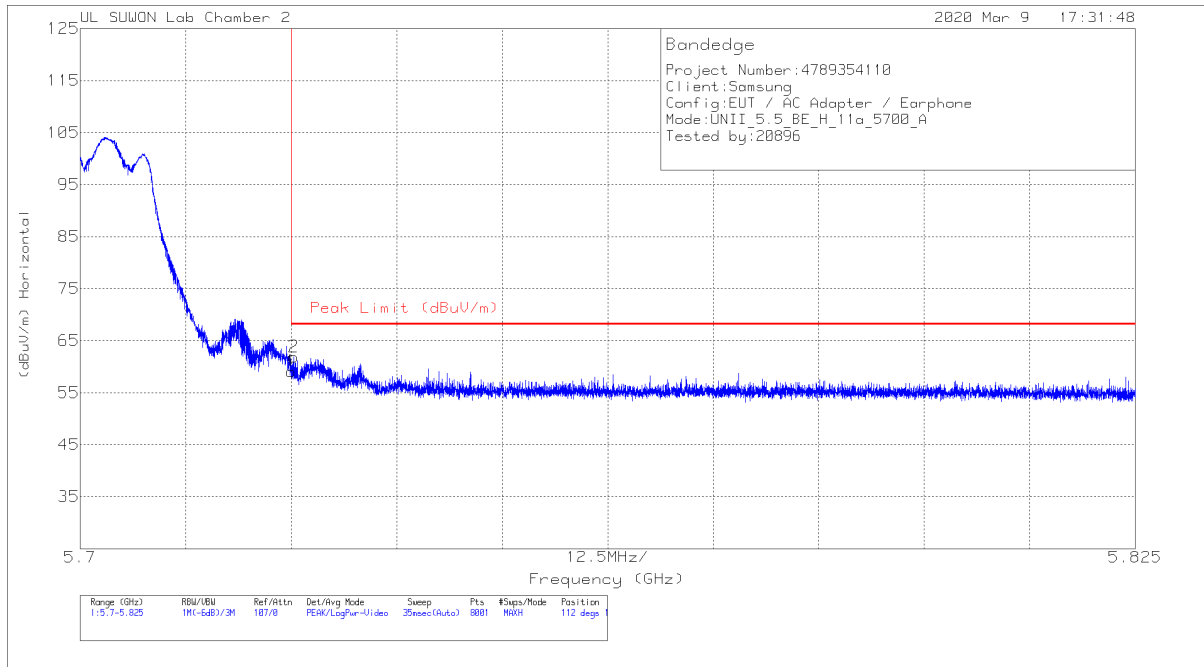
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BADEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

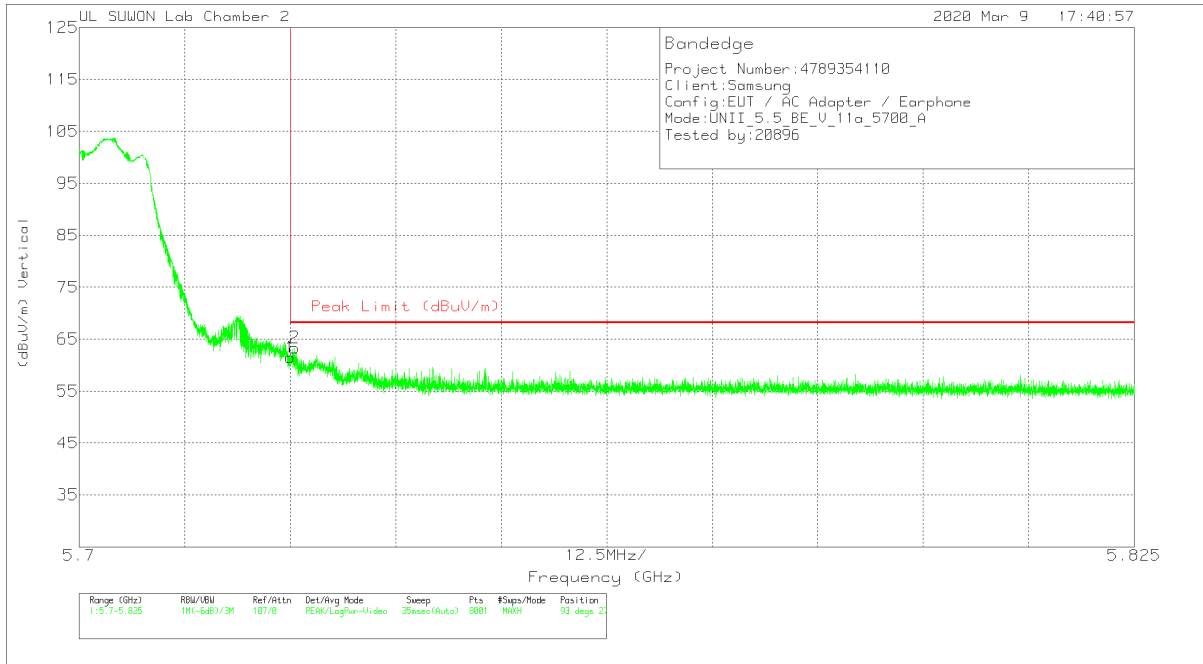


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	41.94	Pk	34.7	-17.5	0	59.14	68.2	-9.06	112	129	H
2	5.72531	44.68	Pk	34.7	-17.5	0	61.88	68.2	-6.32	112	129	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE DATA



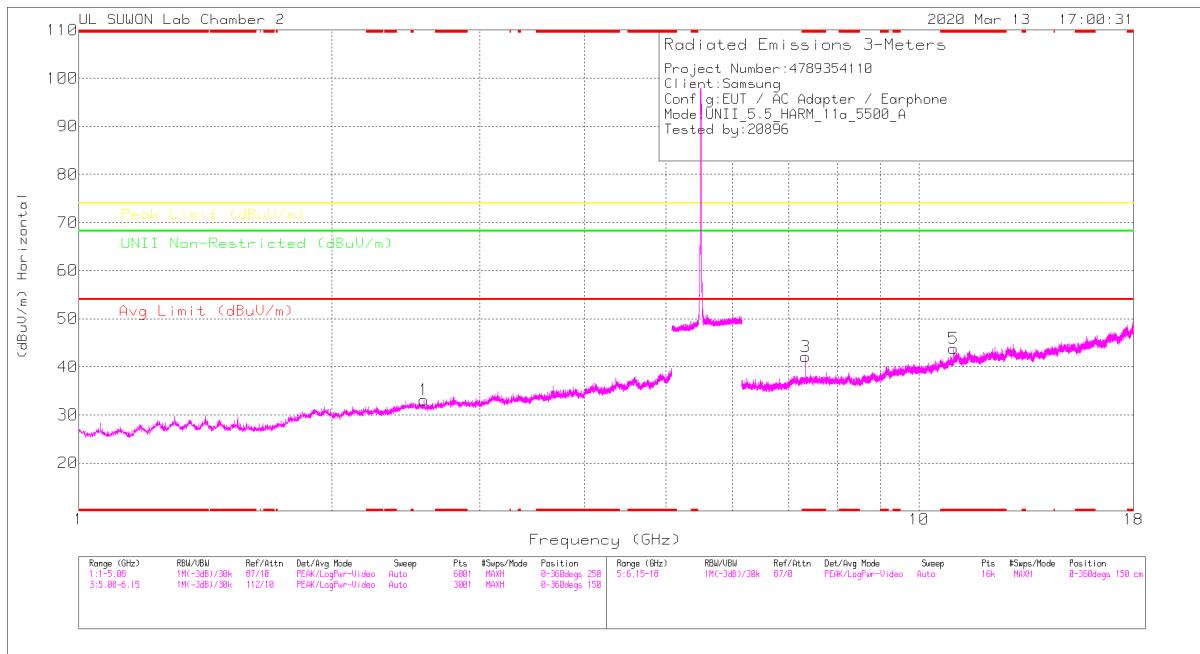
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	44.29	Pk	34.7	-17.5	0	61.49	68.2	-6.71	93	271	V
2	5.72552	46.13	Pk	34.7	-17.5	0	63.33	68.2	-4.87	93	271	V

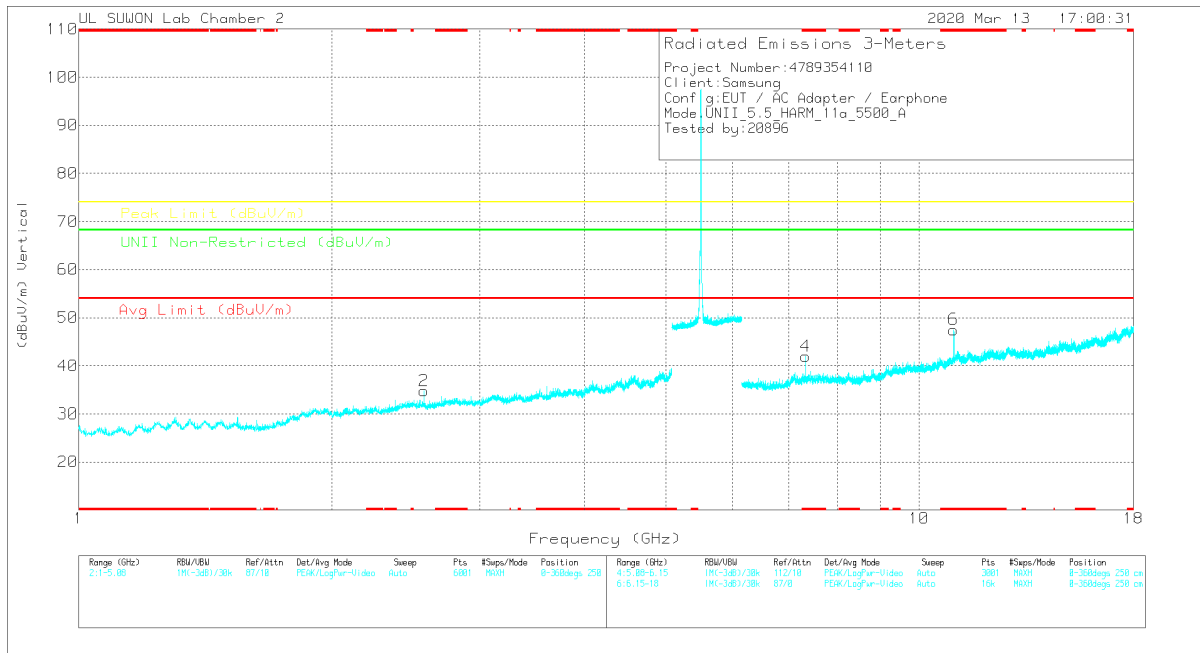
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	6GHz_LPF(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
1	2.57488	31.34	PK	32	-30.2	0	33.14	-	-	-	-	68.2	-35.06	0-360	250	H
2	2.57556	32.96	PK	32	-30.2	0	34.76	-	-	-	-	68.2	-33.44	0-360	150	V

Marker	Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	6GHz_HF(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
3	* 7.3327	30.86	PK	36.2	-24.9	0	42.16	-	-	74	-31.84	-	-	0-360	150	H
5	* 10.99251	26	PK	38.1	-20.3	0	43.8	-	-	74	-30.2	-	-	0-360	150	H
4	* 7.3327	30.7	PK	36.2	-24.9	0	42	-	-	74	-32	-	-	0-360	250	V
6	* 11.00005	29.73	PK	38.1	-20.3	0	47.53	-	-	74	-26.47	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

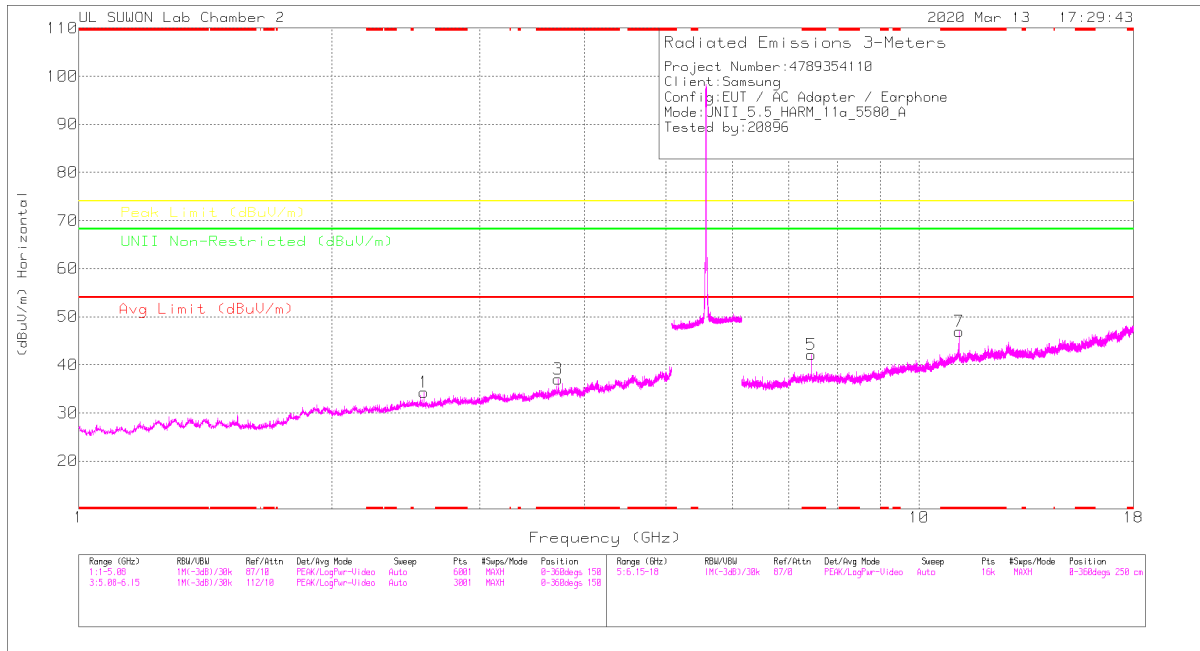
Radiated Emissions

Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	6GHz_LPF(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
2.57549	42.18	PK-U	32	-30.2	0	43.98	-	-	-	-	68.2	-24.22	285	319	H
2.576	42.62	PK-U	32	-30.2	0	44.42	-	-	-	-	68.2	-23.78	5	111	V

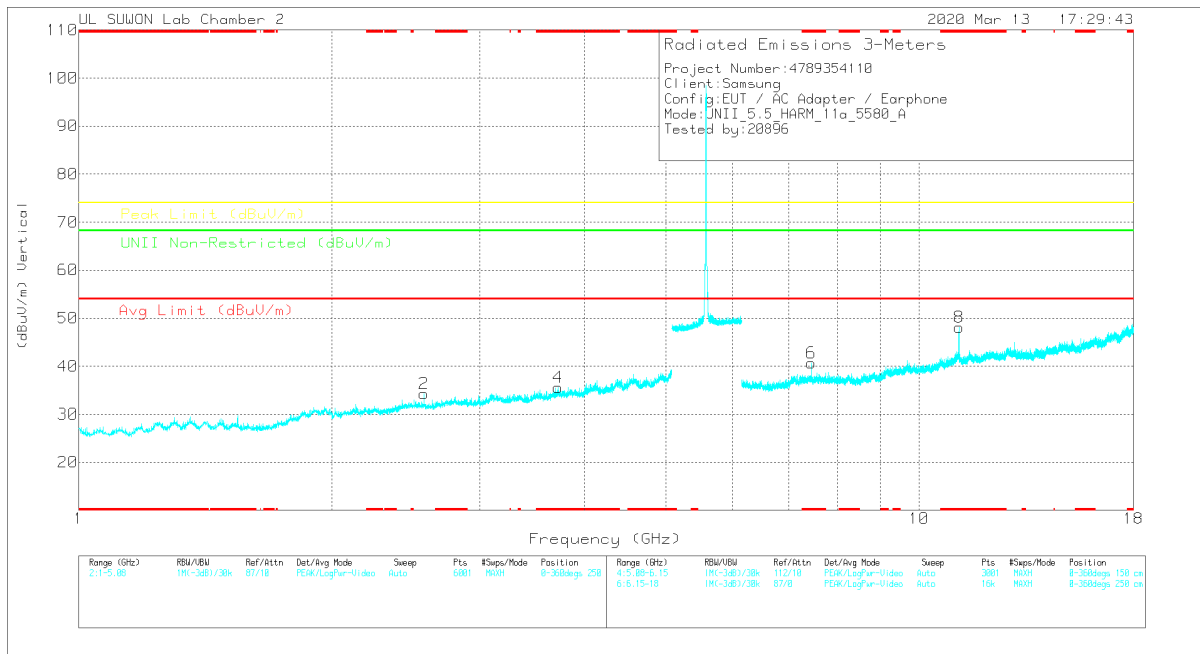
Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	6GHz_HF(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
* 7.33366	35.62	PKU	36.2	-24.9	0	50.92	-	-	74	-23.08	-	-	104	102	H
* 7.3333	31.58	ADR	36.2	-24.9	.15	43.03	54	-10.97	-	-	-	-	104	102	H
* 7.33314	38.85	PKU	36.2	-24.9	0	50.15	-	-	74	-23.85	-	-	1	272	V
* 7.3333	30.09	ADR	36.2	-24.9	.15	41.54	54	-12.46	-	-	-	-	1	272	V
* 10.99992	40	PKU	38.1	-20.3	0	57.8	-	-	74	-16.2	-	-	82	100	H
* 10.99976	28.27	ADR	38.1	-20.3	.15	46.22	54	-7.78	-	-	-	-	82	100	H
* 10.99996	40.83	PKU	38.1	-20.3	0	56.63	-	-	74	-15.37	-	-	50	100	V
* 10.99988	29.09	ADR	38.1	-20.3	.15	47.04	54	-6.96	-	-	-	-	50	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	5GHz_LF1(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
1	2.57556	32.51	PK	32	-30.2	0	34.31	-	-	-	-	68.2	-33.89	0-360	250	H
3	*3.72	32.67	PK	33	-28.6	0	37.07	-	-	74	-	-	-36.93	0-360	250	H
2	2.57556	32.51	PK	32	-30.2	0	34.31	-	-	-	-	68.2	-33.89	0-360	150	V
4	*3.72	31.22	PK	33	-28.6	0	35.62	-	-	74	-	-	-38.38	0-360	250	V

Marker	Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	5GHz_HF1(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
5	*7.44000	30.12	PK	36.2	-24.2	0	42.12	-	-	74	-31.88	-	-	0-360	150	H
7	*11.1515	29	PK	38.2	-19.3	0	46.9	-	-	74	-27.1	-	-	0-360	250	H
6	*7.43935	28.66	PK	36.2	-24.2	0	40.66	-	-	74	-33.34	-	-	0-360	250	V
8	*11.15705	29.08	PK	38.2	-19.2	0	48.08	-	-	74	-26.92	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

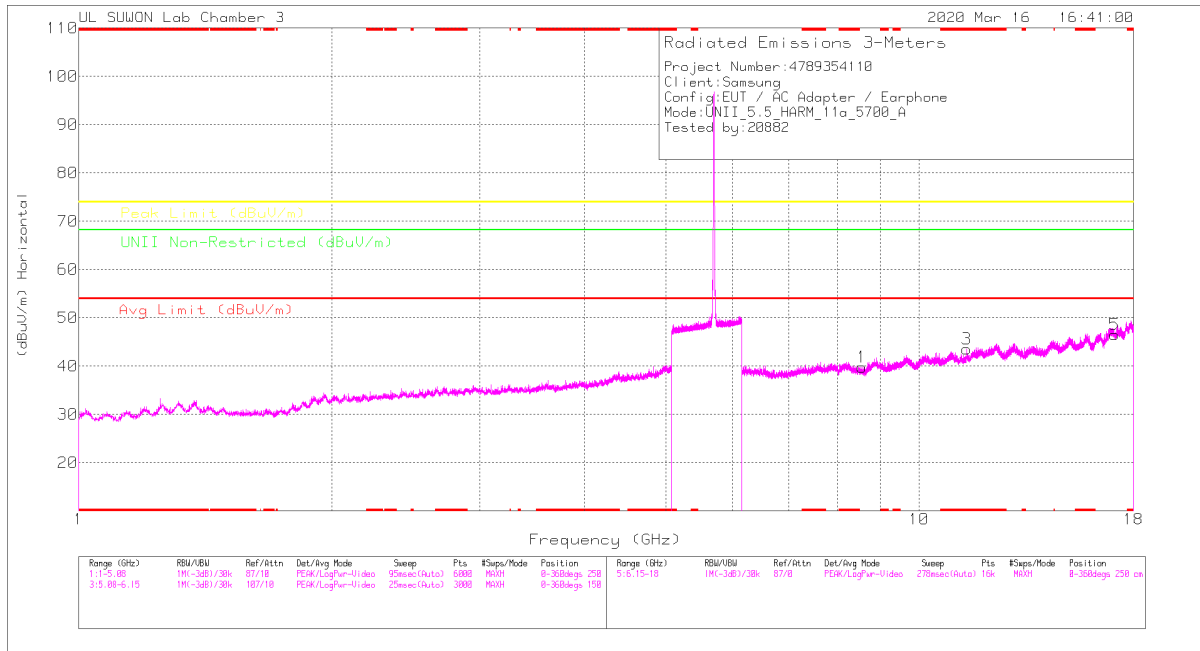
Radiated Emissions

Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	5GHz_LF1(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
2.57368	41.57	PK-U	32	-30.1	0	43.47	-	-	-	-	68.2	-24.73	121	101	H
2.57556	42.85	PK-U	32	-30.2	0	44.75	-	-	-	-	68.2	-23.45	111	114	V
*3.71976	41.64	PK-U	33	-28.6	0	46.04	-	-	74	-27.96	-	-	65	100	H
*3.72	33.02	ADR	33	-28.6	.15	37.57	54	-16.43	-	-	-	-	65	100	H
*3.72008	42.07	PK-U	33	-28.6	0	46.47	-	-	74	-27.53	-	-	5	108	V
*3.71984	30.25	ADR	33	-28.6	.15	34.8	54	-19.2	-	-	-	-	5	108	V

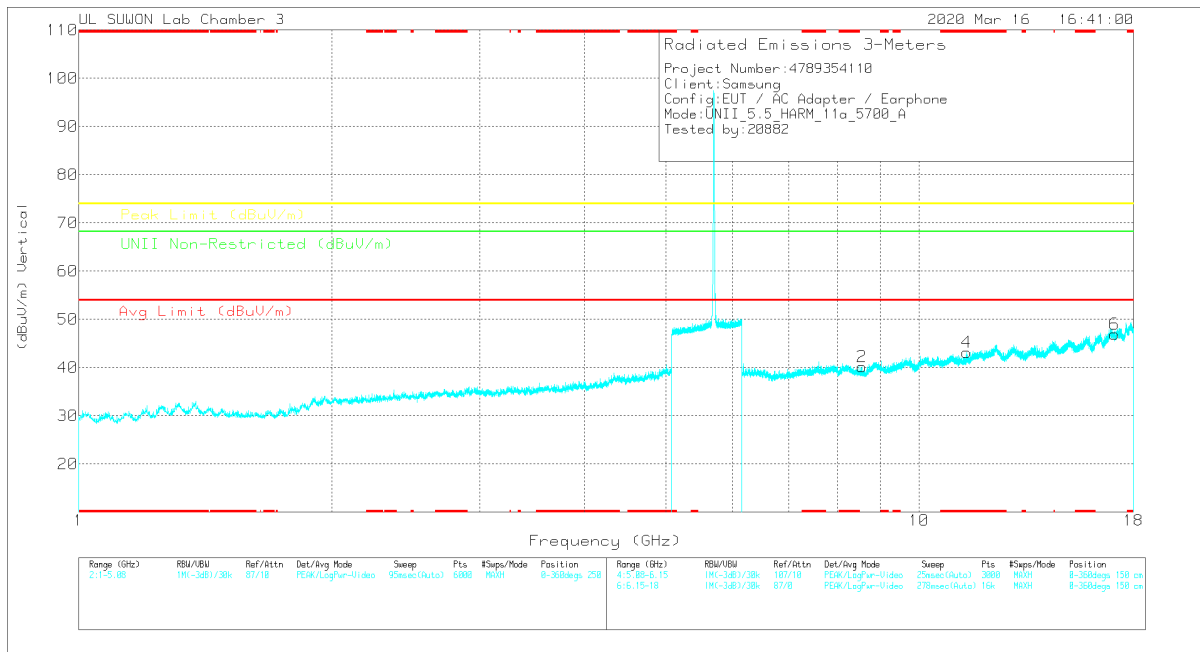
Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	5GHz_HF1(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
*7.43993	37.3	PK-U	36.2	-24.2	0	49.3	-	-	74	-24.7	-	-	118	120	H
*7.44001	27.73	ADR	36.2	-24.2	.15	39.88	54	-14.12	-	-	-	-	118	120	H
*7.43989	37.11	PK-U	36.2	-24.2	0	49.11	-	-	74	-24.89	-	-	40	169	V
*7.43997	28.24	ADR	36.2	-24.2	.15	40.39	54	-13.61	-	-	-	-	40	169	V
*11.1597	40.21	PK-U	38.2	-19.3	0	59.11	-	-	74	-14.89	-	-	72	400	H
*11.1599	27.93	ADR	38.2	-19.3	.15	46.98	54	-7.02	-	-	-	-	72	400	H
*11.16422	41.28	PK-U	38.2	-19.3	0	60.18	-	-	74	-13.82	-	-	354	100	V
*11.15978	29.32	ADR	38.2	-19.3	.15	48.37	54	-5.63	-	-	-	-	354	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mean Reading (dBuV)	Det	317_0000959	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	8.55422	24.34	PK	36.3	-20.9	0	39.74	-	-	-	-	68.2	-28.46	0-360	150	H
3	* 11.39839	24.53	PK	38.4	-19.4	0	43.53	-	-	74	-30.47	-	-	0-360	150	H
5	17.10626	21	PK	41.6	-16	0	46.6	-	-	-	-	68.2	-21.6	0-360	250	H
2	8.55274	24.93	PK	36.3	-21	0	40.23	-	-	-	-	68.2	-27.97	0-360	150	V
4	* 11.40432	24.07	PK	38.5	-19.4	0	43.17	-	-	74	-30.83	-	-	0-360	150	V
6	17.10082	21.2	PK	41.6	-15.9	0	46.9	-	-	-	-	68.2	-21.3	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

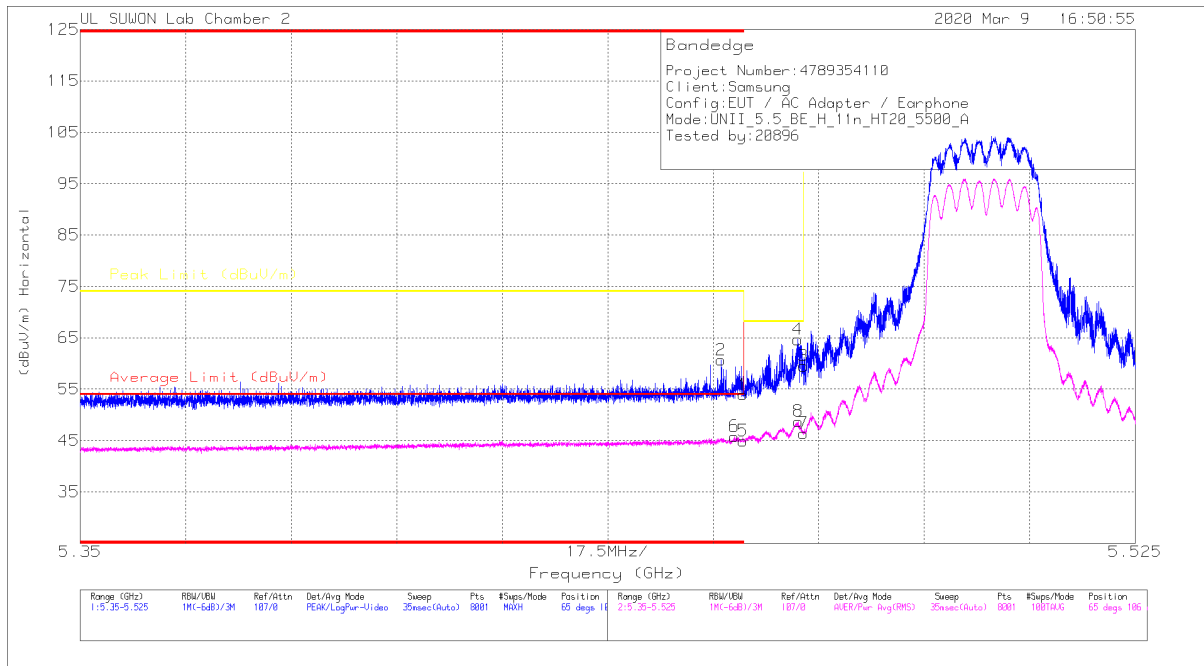
Frequency (GHz)	Mean Reading (dBuV)	Det	317_0000959	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
8.55444	34.7	PK-U	36.3	-20.9	0	50.1	-	-	-	-	68.2	-18.1	360	100	H
8.55414	35.61	PK-U	36.3	-20.9	0	51.01	-	-	-	-	68.2	-17.19	360	100	V
* 11.40452	36	PK-U	38.5	-19.4	0	55.1	-	-	74	-18.9	-	-	83	177	H
* 11.39826	24.7	ADR	38.4	-19.4	.15	43.85	54	-10.15	-	-	-	-	83	177	H
* 11.4021	35.59	PK-U	38.5	-19.4	0	54.69	-	-	74	-19.31	-	-	26	109	V
* 11.39858	23.99	ADR	38.4	-19.4	.15	43.14	54	-10.86	-	-	-	-	26	109	V
17.09033	31.32	PK-U	41.6	-15.9	0	57.02	-	-	-	-	68.2	-11.18	0	100	H
17.10035	31.94	PK-U	41.6	-16	0	57.54	-	-	-	-	68.2	-10.66	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

11.3.2. TX ABOVE 1GHz 802.11n HT20 2Tx MODE IN THE 5.5GHz BAND

RESTRICTED BANDEGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

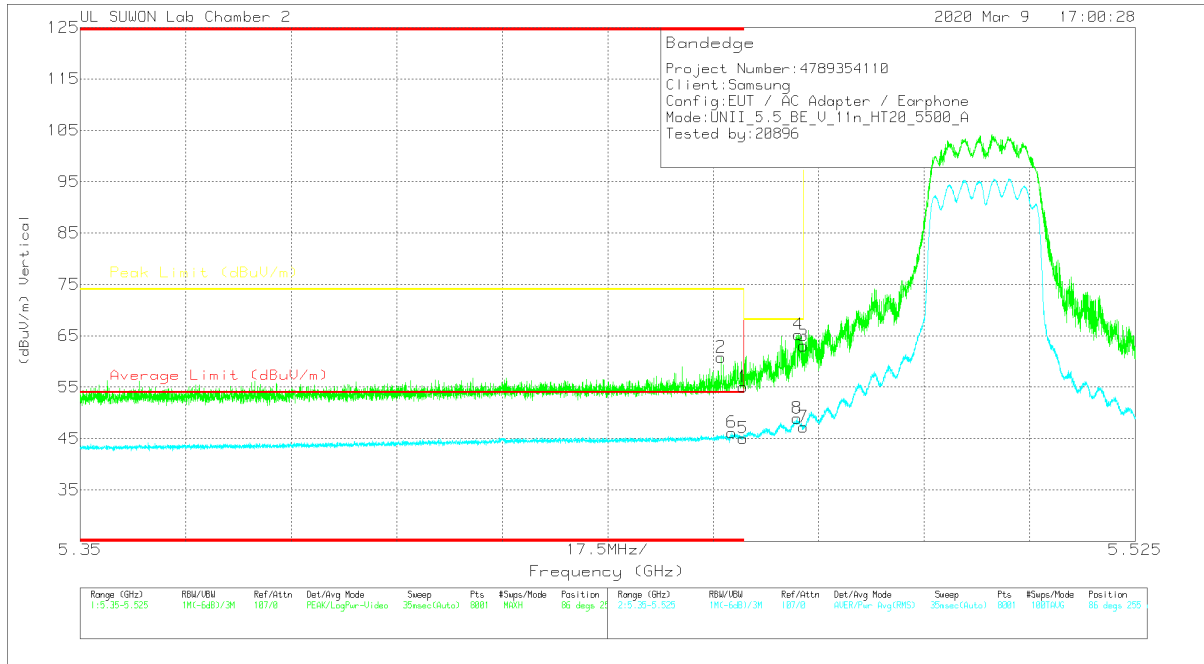
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	37.45	Pk	34.6	-18.1	0	53.95	-	-	74	-20.05	65	106	H
2	* 5.45631	44.18	Pk	34.6	-18.1	0	60.68	-	-	74	-13.32	65	106	H
3	5.46998	43.04	Pk	34.6	-18.1	0	59.54	-	-	68.2	-8.66	65	106	H
4	5.46992	48.17	Pk	34.6	-18.1	0	64.67	-	-	68.2	-3.53	65	106	H
5	* 5.45999	28.35	RMS	34.6	-18.1	.09	44.04	54	-9.06	-	-	65	106	H
6	* 5.45852	29.2	RMS	34.6	-18.1	.09	45.79	54	-8.21	-	-	65	106	H
7	5.46998	29.81	RMS	34.6	-18.1	.09	46.4	-	-	-	-	65	106	H
8	5.46913	32.15	RMS	34.6	-18.1	.09	48.74	-	-	-	-	65	106	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	38.56	Pk	34.6	-18.1	0	55.06	-	-	74	-18.94	86	255	V
2	* 5.45631	44.33	Pk	34.6	-18.1	0	60.83	-	-	74	-13.17	86	255	V
3	5.46998	46.58	Pk	34.6	-18.1	0	63.08	-	-	68.2	-5.12	86	255	V
4	5.46911	48.75	Pk	34.6	-18.1	0	65.25	-	-	68.2	-2.95	86	255	V
5	* 5.45999	28.49	RMS	34.6	-18.1	.09	45.08	54	-8.92	-	-	86	255	V
6	* 5.45811	29.59	RMS	34.6	-18.1	.09	46.18	54	-7.82	-	-	86	255	V
7	5.46998	30.65	RMS	34.6	-18.1	.09	47.24	-	-	-	-	86	255	V
8	5.46891	32.39	RMS	34.6	-18.1	.09	48.98	-	-	-	-	86	255	V

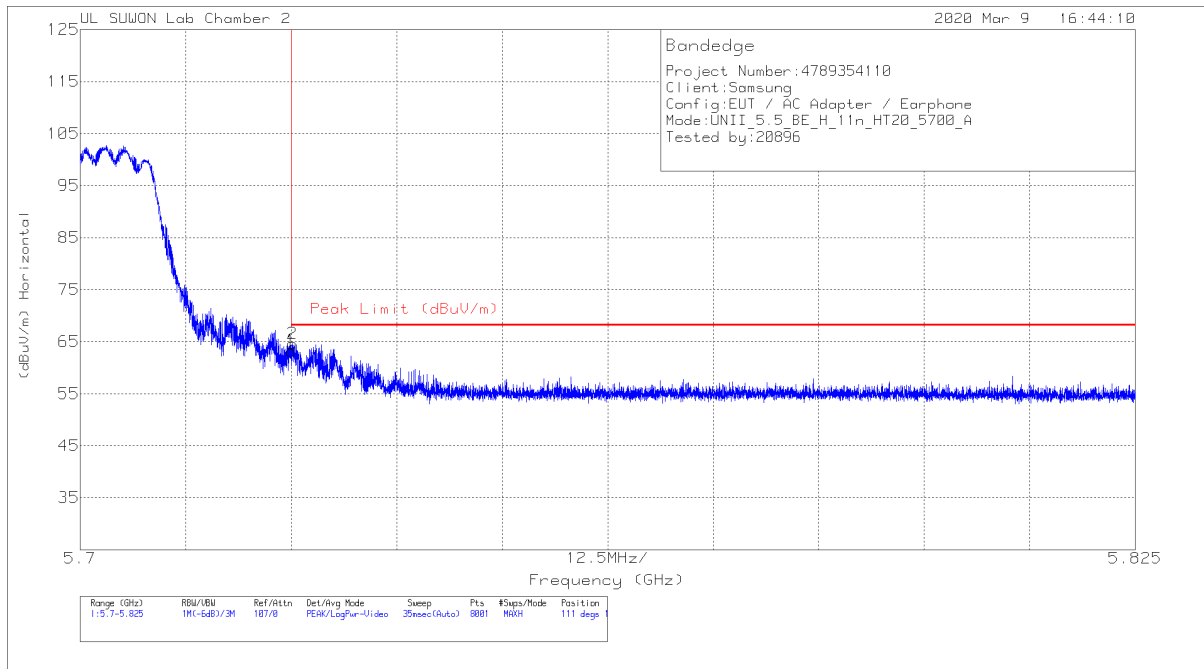
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK DATA

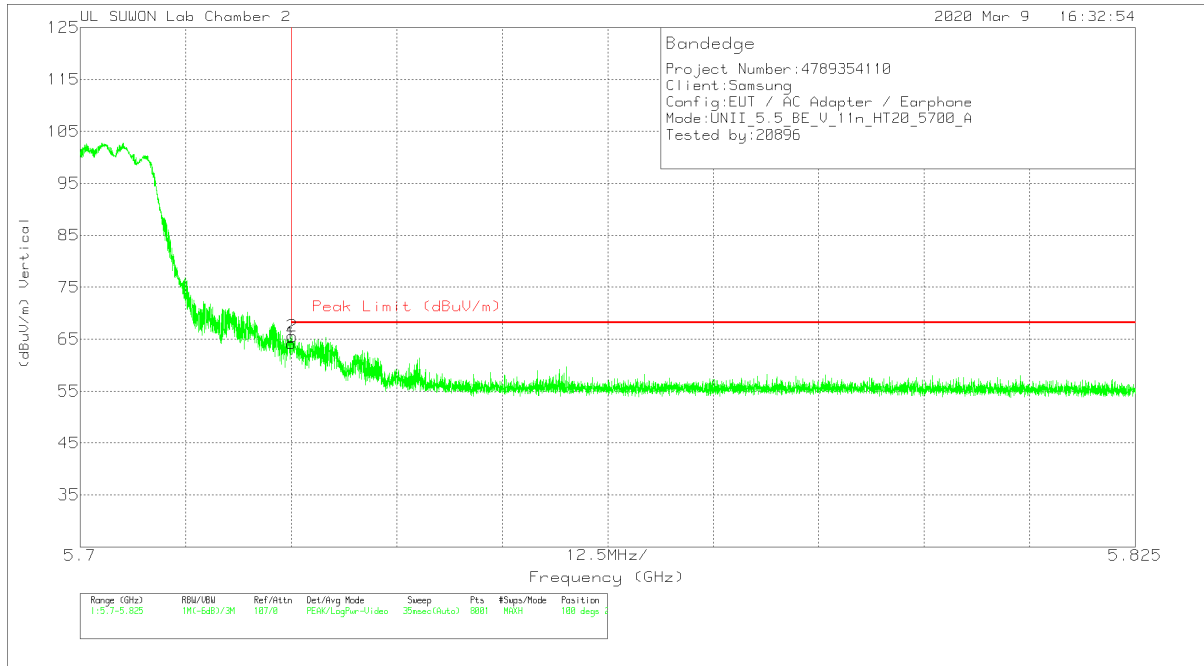


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	46.02	Pk	34.7	-17.5	0	63.22	68.2	-4.98	111	129	H
2	5.72513	47.44	Pk	34.7	-17.5	0	64.64	68.2	-3.56	111	129	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE DATA



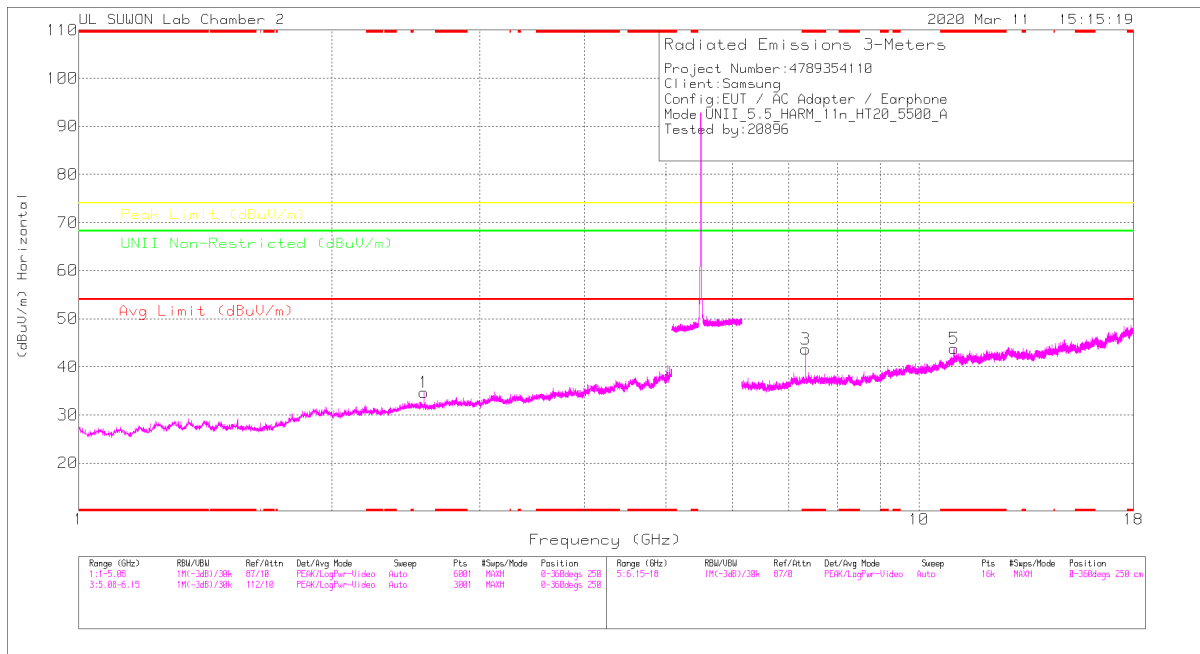
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	46.97	Pk	34.7	-17.5	0	64.17	68.2	-4.03	100	263	V
2	5.72511	48.36	Pk	34.7	-17.5	0	65.56	68.2	-2.64	100	263	V

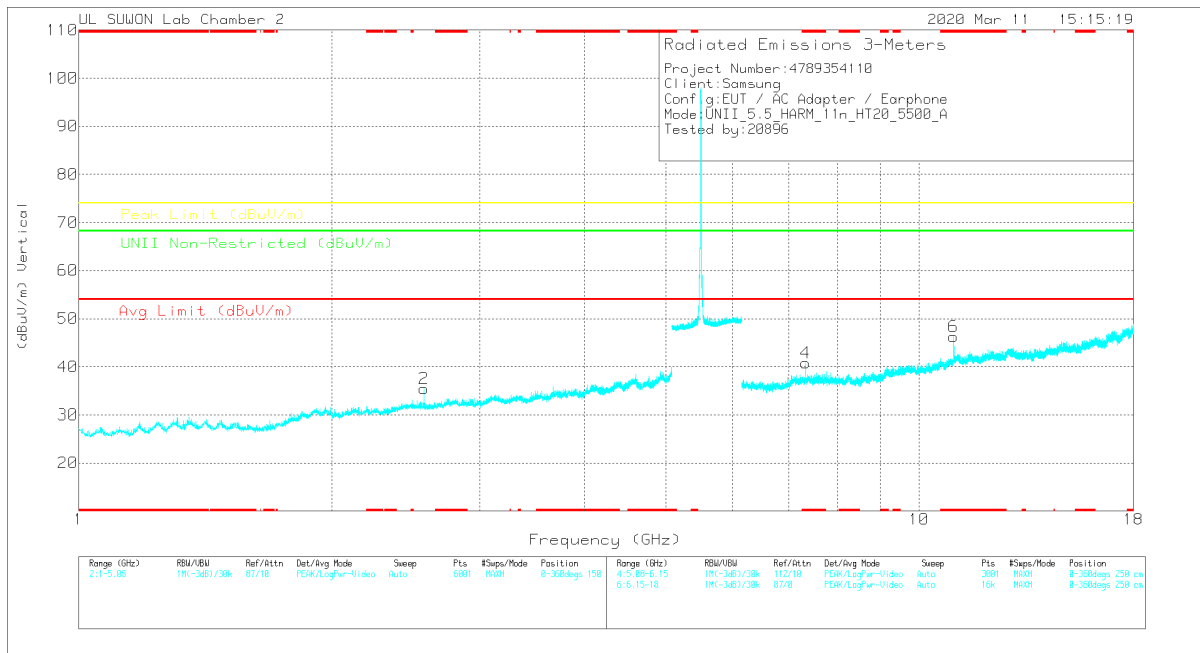
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	3117_00168724	5GHz_LFp(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
1	2.57556	32.9	PK	32	-30.2	0	34.7	-	-	-	-	68.2	-33.5	0-360	250	H
2	2.57556	33.67	PK	32	-30.2	0	35.47	-	-	-	-	68.2	-32.73	0-360	150	V

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	3117_00168724	5GHz_HFp(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
3	* 7.33345	32.35	PK	36.2	-24.9	0	43.65	-	-	74	-30.35	-	-	0-360	150	H
5	* 11.00746	26.02	PK	38.1	-20.3	0	43.82	-	-	74	-30.18	-	-	0-360	150	H
4	* 7.33327	29.53	PK	36.2	-24.9	0	40.83	-	-	74	-33.17	-	-	0-360	250	V
6	* 10.99635	28.47	PK	38.1	-20.3	0	46.27	-	-	74	-27.73	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

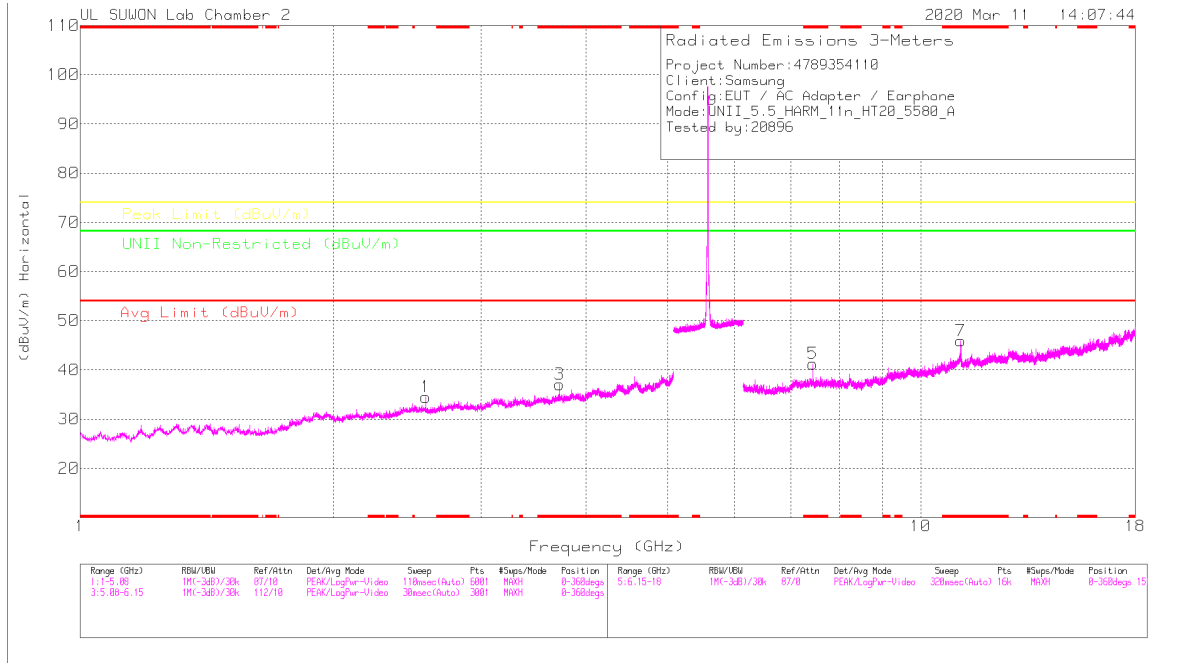
Radiated Emissions

Frequency (GHz)	Marker Reading (dBuV)	Det	3117_00168724	5GHz_LFp(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
2.57568	40.85	PK-U	32	-30.2	0	42.65	-	-	-	-	68.2	-25.55	305	323	H
2.57572	42.27	PK-U	32	-30.2	0	44.07	-	-	-	-	68.2	-24.13	5	162	V

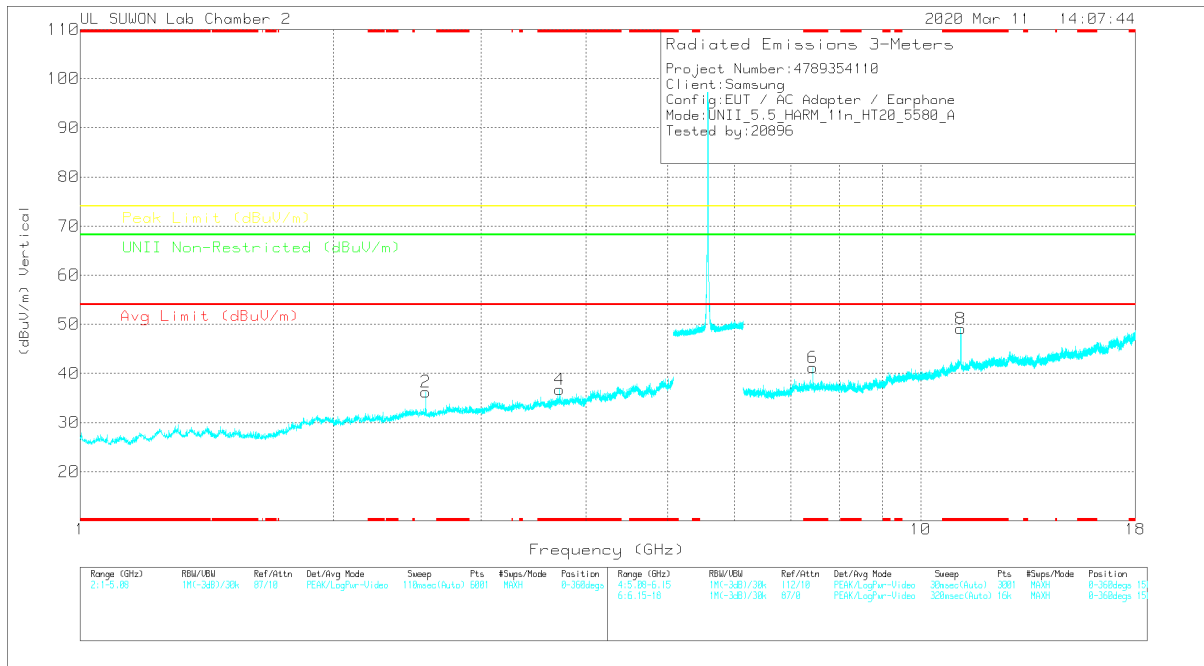
Frequency (GHz)	Marker Reading (dBuV)	Det	3117_00168724	5GHz_HFp(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
* 7.33345	40.19	PK-U	36.2	-24.9	0	51.49	-	-	74	-22.51	-	-	104	130	H
* 7.33337	31.36	ADR	36.2	-24.9	.09	42.75	54	-11.25	-	-	-	-	104	130	H
* 7.33349	38.75	PK-U	36.2	-24.9	0	50.05	-	-	74	-23.95	-	-	0	294	V
* 7.33341	30.14	ADR	36.2	-24.9	.09	41.53	54	-12.47	-	-	-	-	0	294	V
* 11.00538	40.64	PK-U	38.1	-20.3	0	58.44	-	-	74	-15.56	-	-	71	396	H
* 10.99974	28.57	ADR	38.1	-20.3	.09	46.46	54	-7.54	-	-	-	-	71	396	H
* 11.00286	41.7	PK-U	38.1	-20.3	0	59.5	-	-	74	-14.5	-	-	47	102	V
* 10.99974	29.99	ADR	38.1	-20.3	.09	47.88	54	-6.12	-	-	-	-	47	102	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBm)	Det	3117_00168724	5GHz_LF1(B)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	Margin (dB)	UNI Non-Restricted (dBm)	Margin (dB)	Asimuth (Deg)	Height (cm)	Polarity
1	2.57556	32.69	PK	32	-30.2	0	34.49	-	-	-	-	68.2	-33.71	0-360	250	H
3	* 3.72	32.66	PK	33	-28.6	0	37.06	-	-	74	-36.94	-	-	0-360	250	H
2	2.57556	34.41	PK	32	-30.2	0	36.21	-	-	-	-	68.2	-31.99	0-360	150	V
4	* 3.72	32.28	PK	33	-28.6	0	36.68	-	-	74	-37.32	-	-	0-360	150	V

Marker	Frequency (GHz)	Marker Reading (dBm)	Det	3117_00168724	5GHz_HP1(B)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	Margin (dB)	UNI Non-Restricted (dBm)	Margin (dB)	Asimuth (Deg)	Height (cm)	Polarity
5	* 7.44009	29.25	PK	36.2	-24.2	0	41.26	-	-	74	-32.74	-	-	0-360	150	H
7	* 11.16002	27.02	PK	38.2	-19.3	0	45.92	-	-	74	-28.08	-	-	0-360	250	H
6	* 7.43935	29.17	PK	36.2	-24.2	0	41.17	-	-	74	-32.83	-	-	0-360	150	V
8	* 11.16076	30.22	PK	38.2	-19.3	0	49.12	-	-	74	-24.88	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

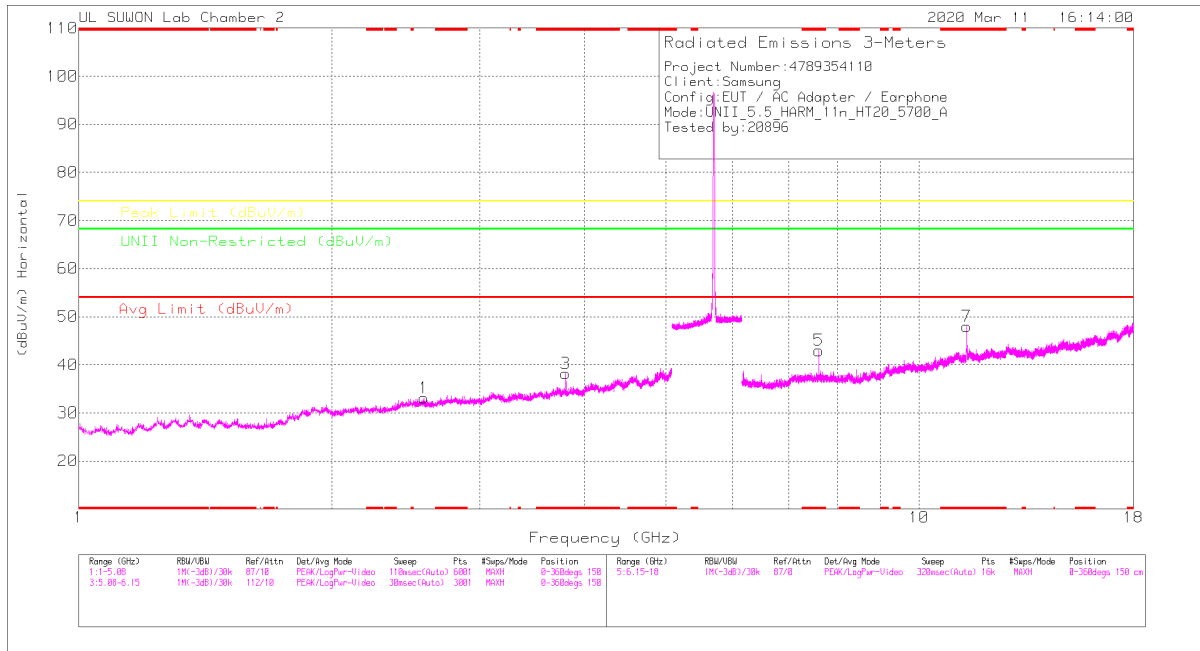
Radiated Emissions

Frequency (GHz)	Marker Reading (dBm)	Det	3117_00168724	5GHz_LF1(B)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	Margin (dB)	UNI Non-Restricted (dBm)	Margin (dB)	Asimuth (Deg)	Height (cm)	Polarity
2.5762	41.82	PK-U	32	-30.2	0	43.62	-	-	-	-	68.2	-24.58	288	314	H
2.57556	42.39	PK-U	32	-30.2	0	44.19	-	-	-	-	68.2	-24.01	3	162	V
* 3.71988	42.42	PK-U	33	-28.6	0	46.82	-	-	74	-27.18	-	-	57	100	H
* 3.71986	33.11	ADR	33	-28.6	.09	37.6	54	-16.4	-	-	-	-	57	100	H
* 3.71988	41.08	PK-U	33	-28.6	0	45.48	-	-	74	-28.52	-	-	356	106	V
* 3.72004	30.33	ADR	33	-28.6	.09	34.82	54	-19.18	-	-	-	-	356	106	V

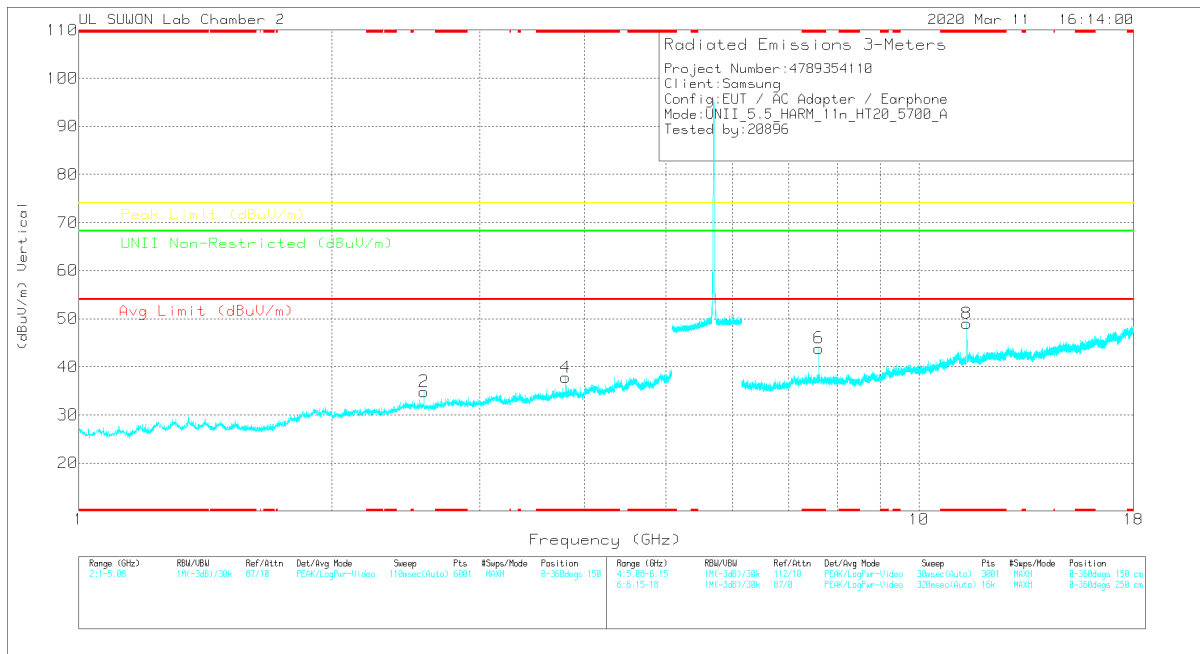
Frequency (GHz)	Marker Reading (dBm)	Det	3117_00168724	5GHz_HP1(B)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	Margin (dB)	UNI Non-Restricted (dBm)	Margin (dB)	Asimuth (Deg)	Height (cm)	Polarity
* 7.43993	37.65	PK-U	36.2	-24.2	0	49.65	-	-	74	-24.35	-	-	109	148	H
* 7.44005	29.47	ADR	36.2	-24.2	.09	41.56	54	-12.44	-	-	-	-	109	148	H
* 7.43969	37.9	PK-U	36.2	-24.2	0	49.9	-	-	74	-24.1	-	-	37	110	V
* 7.43997	29.12	ADR	36.2	-24.2	.09	41.21	54	-12.79	-	-	-	-	37	110	V
* 11.15134	40.1	PK-U	38.2	-19.1	0	59.2	-	-	74	-14.8	-	-	77	100	H
* 11.16006	27.79	ADR	38.2	-19.3	.09	46.78	54	-7.22	-	-	-	-	77	100	H
* 11.1607	42.79	PK-U	38.2	-19.3	0	61.69	-	-	74	-12.31	-	-	36	100	V
* 11.16018	30.74	ADR	38.2	-19.3	.09	49.73	54	-4.27	-	-	-	-	36	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168724	5GHz_LF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
1	2.57556	31.36	PK	32	-30.2	0	33.16	-	-	-	-	68.2	-35.04	0-360	250	H
3	* 3.80024	34.45	PK	33.2	-29.4	0	38.25	-	-	74	-35.75	-	-	0-360	250	H
2	2.57556	33.08	PK	32	-30.2	0	34.88	-	-	-	-	68.2	-33.32	0-360	150	V
4	* 3.80024	34.02	PK	33.2	-29.4	0	37.82	-	-	74	-36.18	-	-	0-360	150	V

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168724	5GHz_HF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
5	* 7.60005	30.77	PK	36.1	-23.9	0	42.97	-	-	74	-31.03	-	-	0-360	150	H
7	* 11.39996	29.68	PK	38.3	-20	0	47.98	-	-	74	-26.02	-	-	0-360	250	H
6	* 7.60005	31.68	PK	36.1	-23.9	0	43.88	-	-	74	-30.12	-	-	0-360	250	V
8	* 11.39996	30.71	PK	38.3	-20	0	49.01	-	-	74	-24.99	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168724	5GHz_LF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
2.58328	40.88	PK-U	32	-30.3	0	42.58	-	-	-	-	68.2	-25.62	118	103	H
2.57536	42.02	PK-U	32	-30.2	0	43.82	-	-	-	-	68.2	-24.38	9	163	V
* 3.80012	43.01	PK-U	33.2	-29.4	0	46.81	-	-	74	-27.19	-	-	61	107	H
* 3.8	35.41	ADR	33.2	-29.4	.09	39.3	54	-14.7	-	-	-	-	61	107	H
* 3.80032	41.72	PK-U	33.2	-29.4	0	45.52	-	-	74	-28.48	-	-	18	385	V
* 3.8	32.08	ADR	33.2	-29.4	.09	35.97	54	-18.03	-	-	-	-	18	385	V

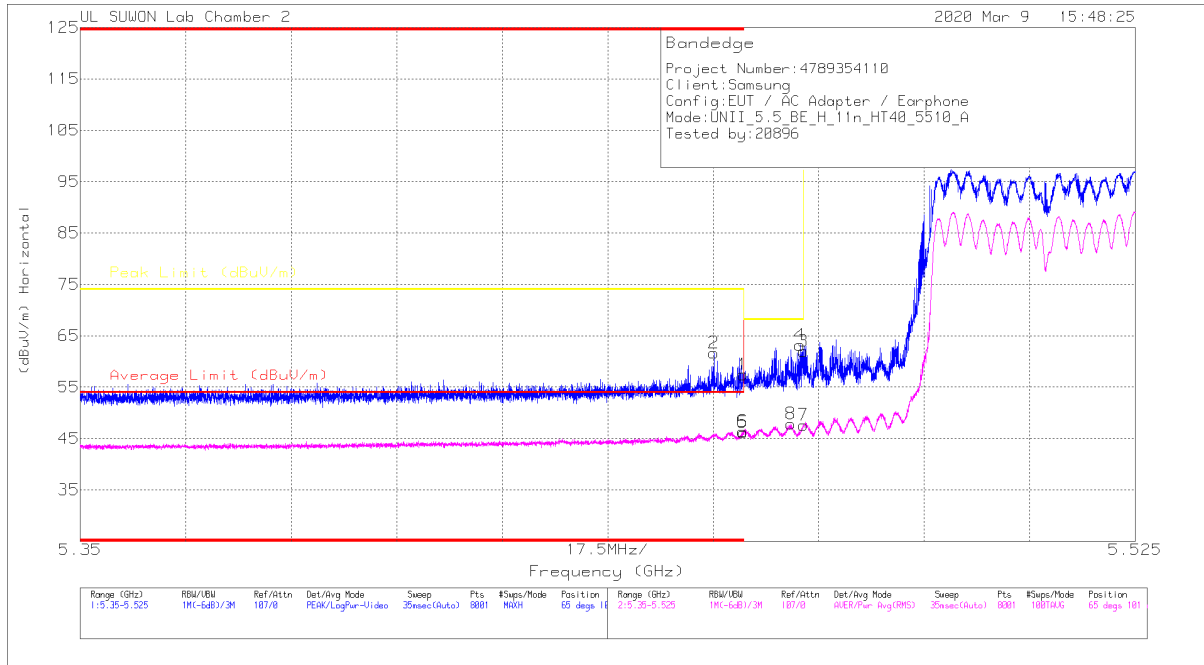
Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168724	5GHz_HF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
* 7.59885	35.35	PK-U	36.1	-23.9	0	50.55	-	-	74	-23.45	-	-	112	115	H
* 7.60009	30.58	ADR	36.1	-23.9	.09	42.67	54	-11.13	-	-	-	-	112	115	H
* 7.59997	38.03	PK-U	36.1	-23.9	0	50.23	-	-	74	-23.77	-	-	40	216	V
* 7.60001	29.62	ADR	36.1	-23.9	.09	41.91	54	-12.09	-	-	-	-	40	216	V
* 11.40065	41.58	PK-U	38.3	-19.9	0	59.98	-	-	74	-14.02	-	-	286	260	H
* 11.40045	29.42	ADR	38.3	-19.9	.09	47.91	54	-6.09	-	-	-	-	286	260	H
* 11.40073	43.35	PK-U	38.3	-19.9	0	61.75	-	-	74	-12.25	-	-	35	100	V
* 11.40021	30.79	ADR	38.3	-20	.09	49.18	54	-4.82	-	-	-	-	35	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

11.3.3. TX ABOVE 1GHz 802.11n HT40 2Tx MODE IN THE 5.5GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

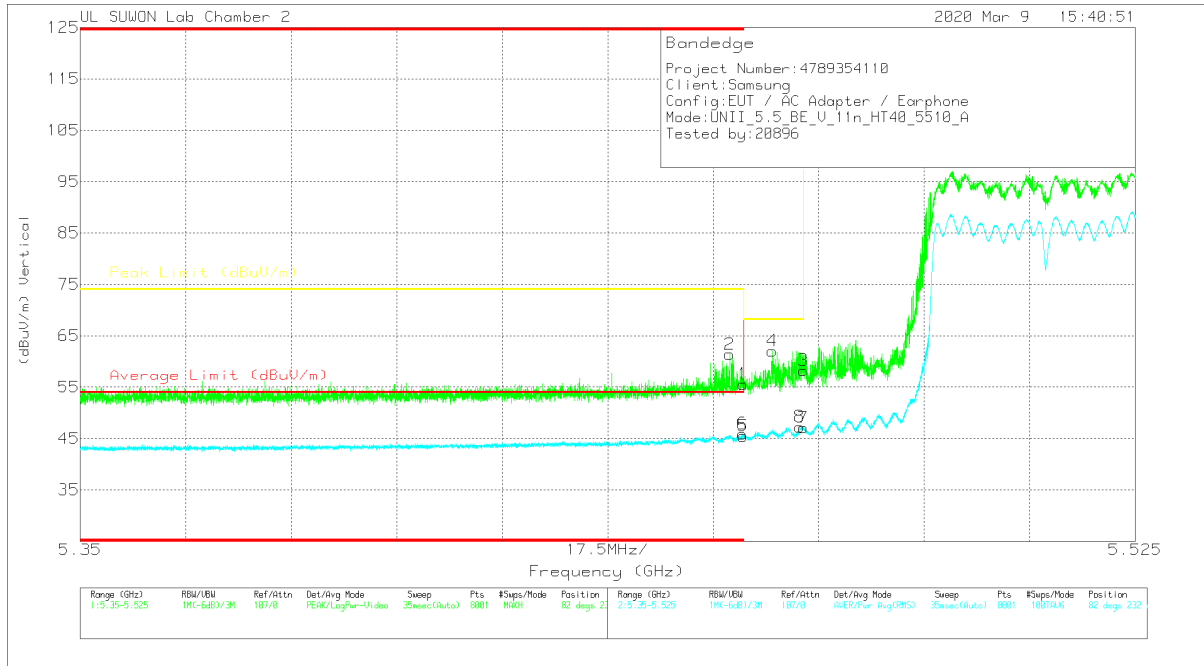
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	40.96	Pk	34.6	-18.1	0	57.46	-	-	74	-16.54	65	101	H
2	* 5.45511	45.17	Pk	34.6	-18.1	0	61.67	-	-	74	-12.33	65	101	H
3	5.46998	45.47	Pk	34.6	-18.1	0	61.97	-	-	68.2	-6.23	65	101	H
4	5.46939	46.7	Pk	34.6	-18.1	0	63.2	-	-	68.2	-5	65	101	H
5	* 5.45999	29.47	RMS	34.6	-18.1	.2	46.17	54	-7.83	-	-	65	101	H
6	* 5.4599	29.69	RMS	34.6	-18.1	.2	46.39	54	-7.61	-	-	65	101	H
7	5.46998	30.93	RMS	34.6	-18.1	.2	47.63	-	-	-	-	65	101	H
8	5.46788	31.15	RMS	34.6	-18.1	.2	47.85	-	-	-	-	65	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degree)	Height (cm)	Polarity
1	* 5.45999	39.09	Pk	34.6	-18.1	0	55.59	-	-	74	-18.41	82	232	V
2	* 5.45771	44.89	Pk	34.6	-18.1	0	61.39	-	-	74	-12.61	82	232	V
3	5.46998	41.75	Pk	34.6	-18.1	0	58.25	-	-	68.2	-9.95	82	232	V
4	5.4648	45.53	Pk	34.6	-18.1	0	62.03	-	-	68.2	-6.17	82	232	V
5	* 5.45999	28.78	RMS	34.6	-18.1	.2	45.48	54	-8.52	-	-	82	232	V
6	* 5.45983	29.2	RMS	34.6	-18.1	.2	45.9	54	-8.1	-	-	82	232	V
7	5.46998	30.39	RMS	34.6	-18.1	.2	47.09	-	-	-	-	82	232	V
8	5.46935	30.57	RMS	34.6	-18.1	.2	47.27	-	-	-	-	82	232	V

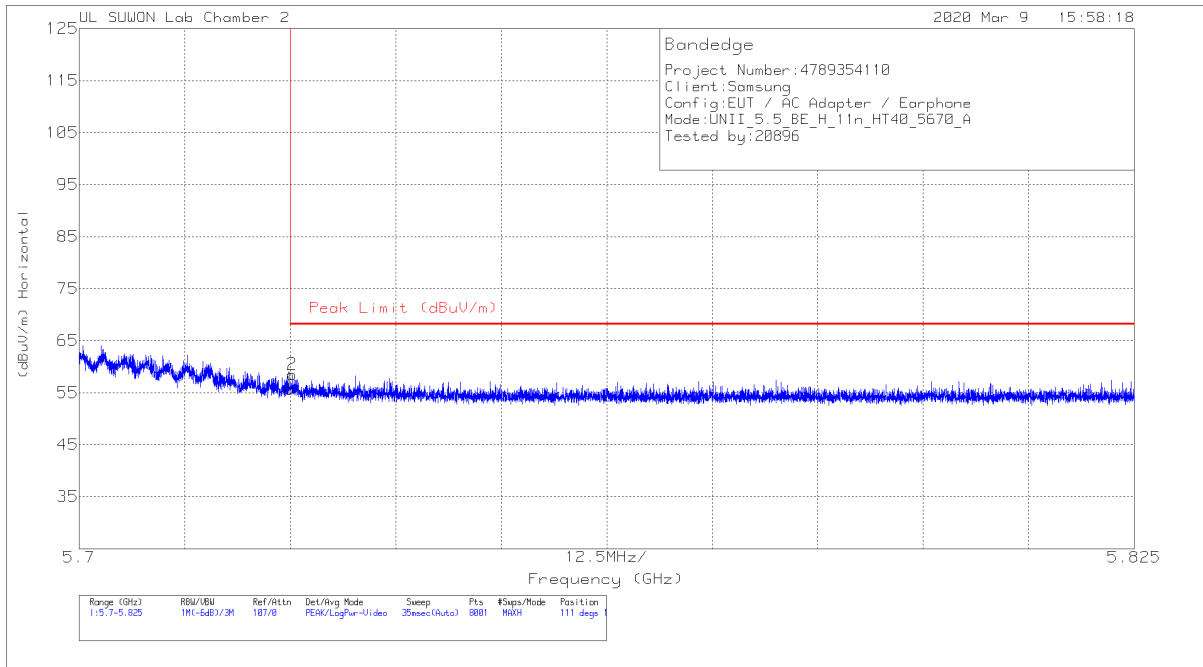
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BADEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

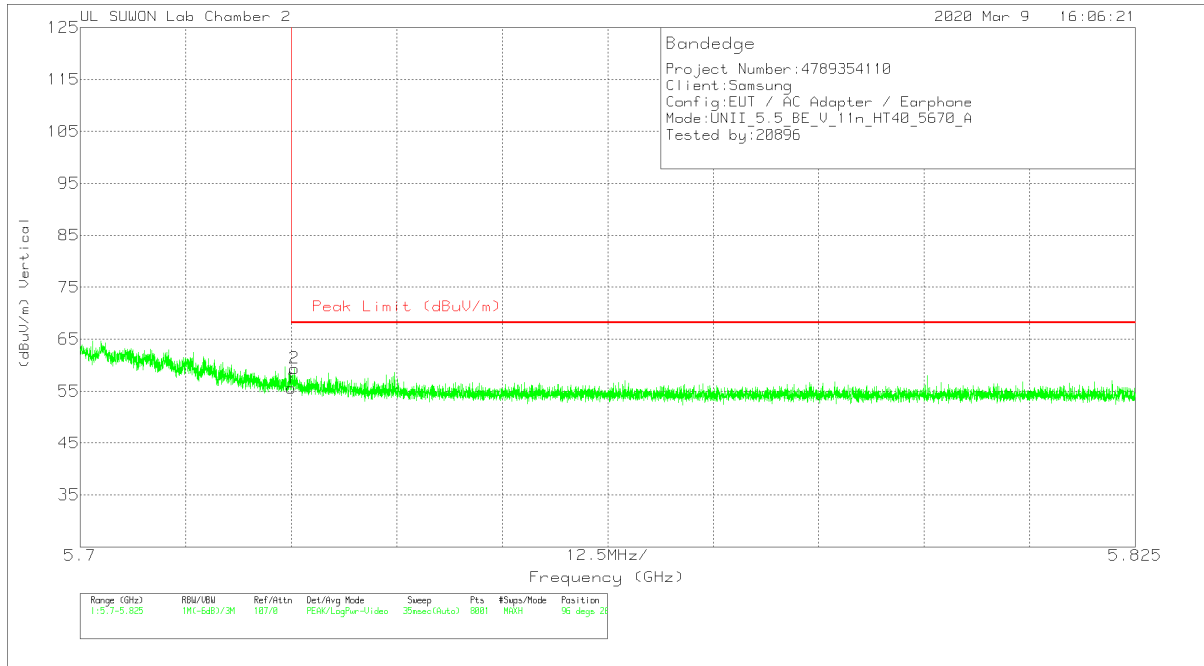


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	38.56	Pk	34.7	-17.5	0	55.76	68.2	-12.44	111	122	H
2	5.72523	41.31	Pk	34.7	-17.5	0	58.51	68.2	-9.69	111	122	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE DATA



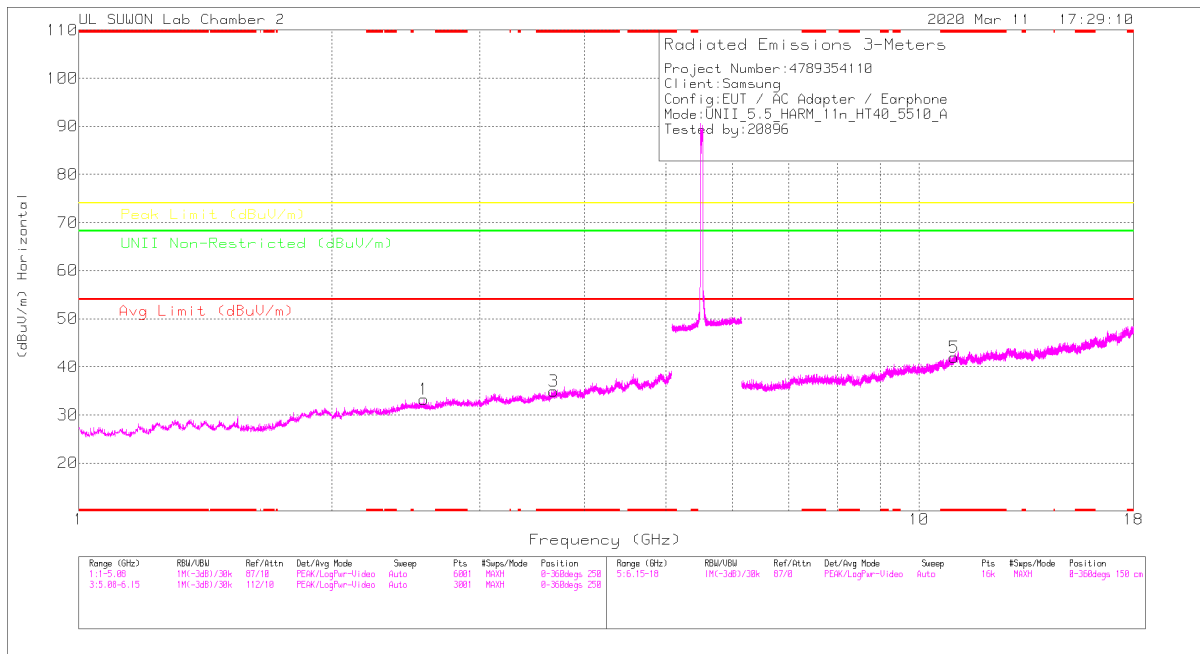
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	38.36	Pk	34.7	-17.5	0	55.56	68.2	-12.64	96	264	V
2	5.72538	42.18	Pk	34.7	-17.5	0	59.38	68.2	-8.82	96	264	V

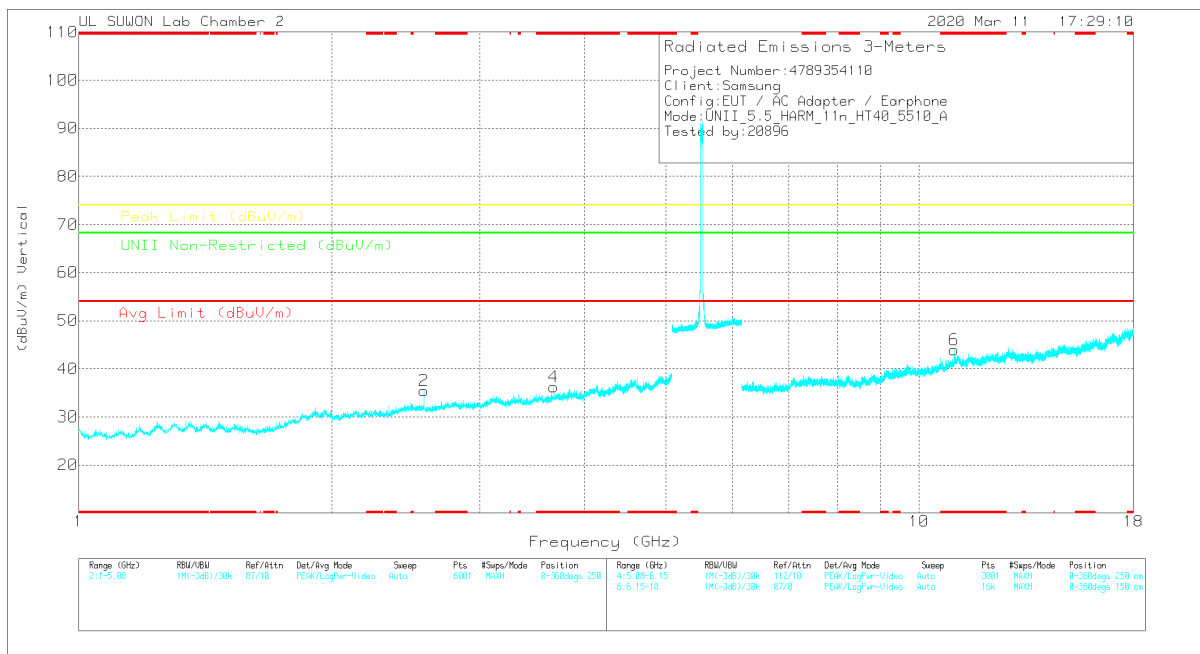
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	5GHz_LF1(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
1	2.57556	31.5	PK	32	-30.2	0	33.3	-	-	-	-	68.2	-34.9	0-360	250	H
3	* 3.67614	31	PK	32.9	-28.9	0	35	-	-	74	-39	-	-	0-360	250	H
2	2.57556	33.72	PK	32	-30.2	0	35.52	-	-	-	-	68.2	-32.68	0-360	150	V
4	* 3.67376	32.26	PK	32.9	-28.9	0	36.26	-	-	74	-37.74	-	-	0-360	250	V

Marker	Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	5GHz_HF1(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
5	* 11.01931	24.16	PK	38.1	-20.3	0	41.96	-	-	74	-32.04	-	-	0-360	150	H
6	* 11.02005	26.1	PK	38.1	-20.3	0	43.9	-	-	74	-30.1	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

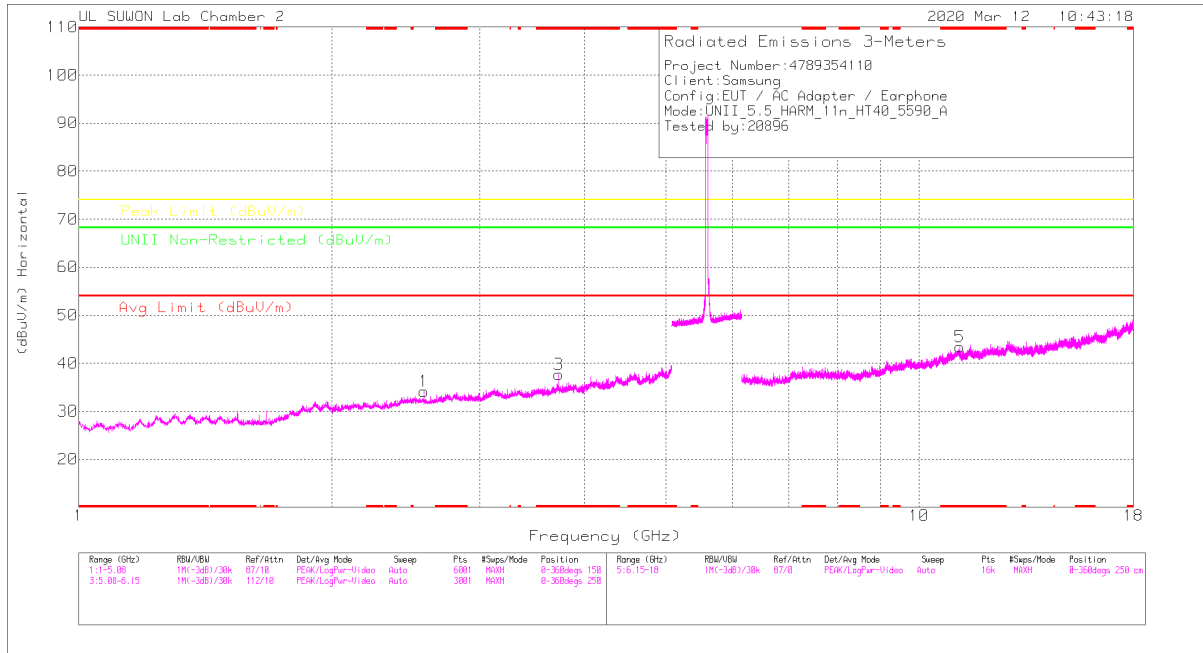
Radiated Emissions

Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	5GHz_LF1(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
2.57556	40.59	PK-U	32	-30.2	0	42.39	-	-	-	-	68.2	-25.81	111	101	H
2.57576	41.85	PK-U	32	-30.2	0	43.75	-	-	-	-	68.2	-24.45	15	138	V
* 3.65694	41.67	PK-U	32.8	-29.1	0	45.37	-	-	74	-28.63	-	-	44	226	H
* 3.67354	29.54	ADR	32.9	-28.9	.2	33.74	54	-20.26	-	-	-	-	44	226	H
* 3.6637	41.5	PK-U	32.9	-29	0	45.4	-	-	74	-28.6	-	-	164	278	V
* 3.6733	29.37	ADR	32.9	-28.9	.2	33.57	54	-20.43	-	-	-	-	164	278	V

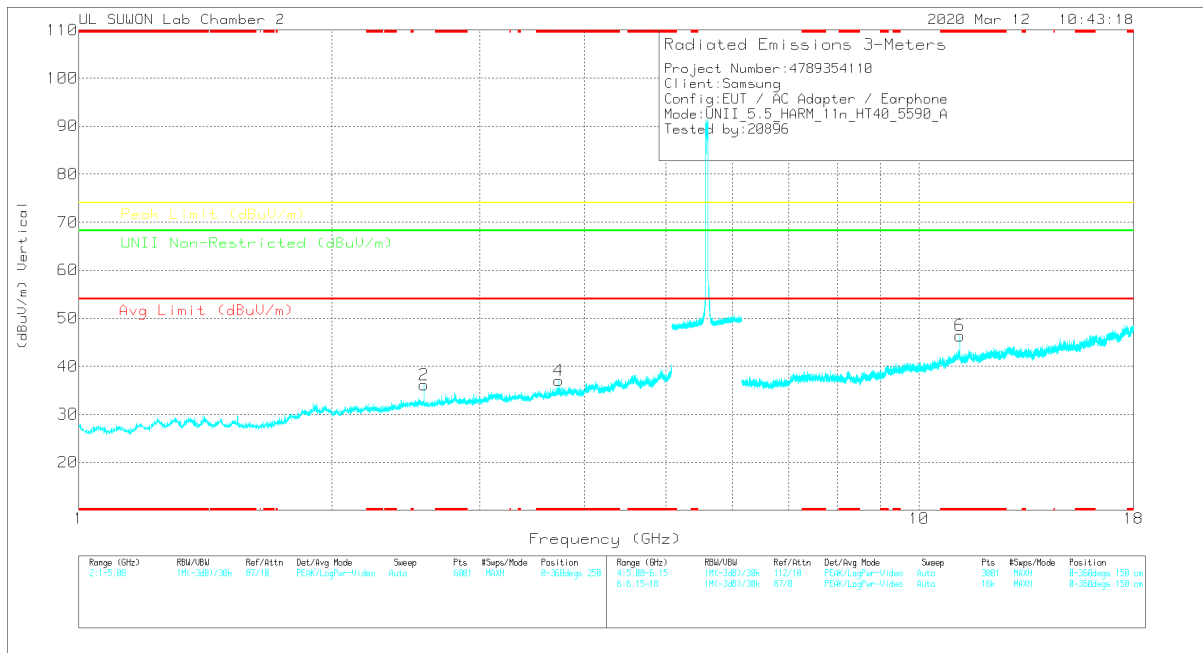
Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	5GHz_HF1(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
* 11.02027	37.9	PK-U	38.1	-20.3	0	55.7	-	-	74	-18.3	-	-	77	391	H
* 11.01987	24.38	ADR	38.1	-20.3	.2	42.38	54	-11.62	-	-	-	-	77	381	H
* 11.01899	37.79	PK-U	38.1	-20.3	0	55.59	-	-	74	-18.41	-	-	48	100	V
* 11.01983	24.71	ADR	38.1	-20.3	.2	42.71	54	-11.29	-	-	-	-	48	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	5GHz_LF1(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
1	2.57556	32.31	PK	32	-30.2	0	34.11	-	-	-	-	68.2	-34.09	0-360	250	H
3	* 3.7268	33.4	PK	33	-28.7	0	37.7	-	-	74	-36.3	-	-	0-360	250	H
2	2.57556	34.29	PK	32	-30.2	0	36.09	-	-	-	-	68.2	-32.11	0-360	150	V
4	* 3.7268	32.76	PK	33	-28.7	0	37.06	-	-	74	-36.94	-	-	0-360	250	V

Marker	Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	5GHz_HF1(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
5	* 11.18001	24.78	PK	38.2	-19.5	0	43.48	-	-	74	-30.52	-	-	0-360	250	H
6	* 11.18001	27.66	PK	38.2	-19.5	0	46.36	-	-	74	-27.64	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

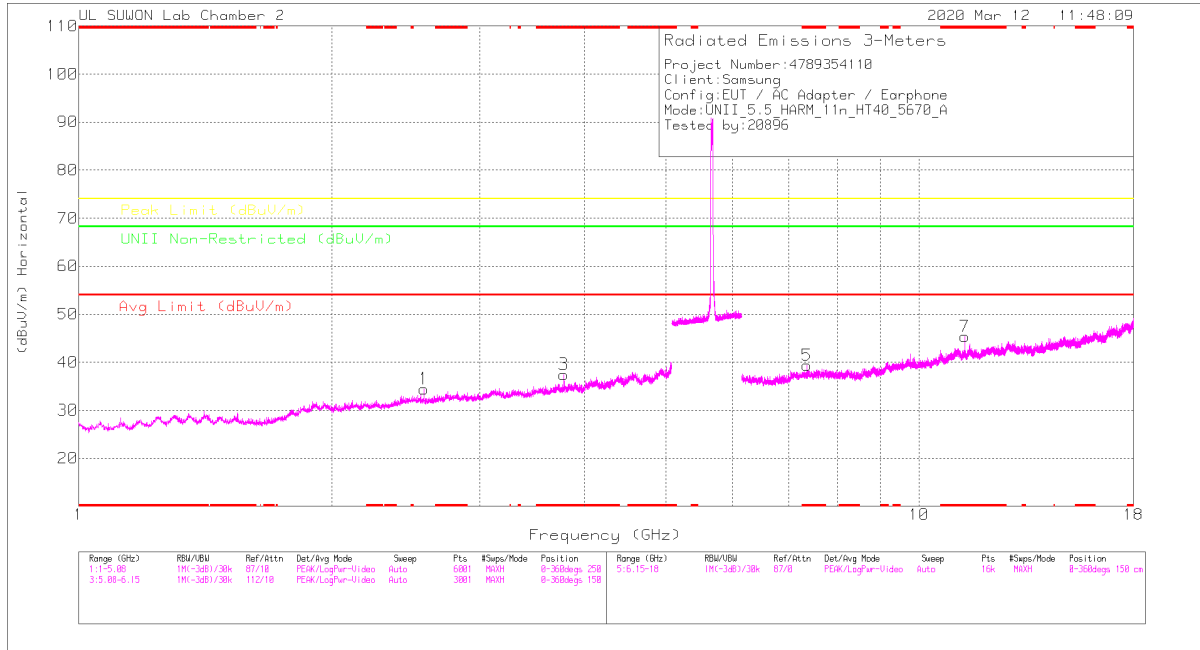
Radiated Emissions

Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	5GHz_LF1(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
2.5758	42.44	PK-U	32	-30.2	0	44.24	-	-	-	-	68.2	-23.96	296	371	H
2.57556	42.4	PK-U	32	-30.2	0	44.2	-	-	-	-	68.2	-24	5	163	V
* 3.727	41.53	PK-U	33	-28.7	0	45.83	-	-	74	-28.17	-	-	61	100	H
* 3.72664	32.4	ADR	33	-28.7	2	36.9	54	-17.1	-	-	-	-	61	100	H
* 3.72644	41.46	PK-U	33	-28.7	0	45.76	-	-	74	-28.24	-	-	22	224	V
* 3.72656	32.12	ADR	33	-28.7	2	36.62	54	-17.38	-	-	-	-	22	224	V

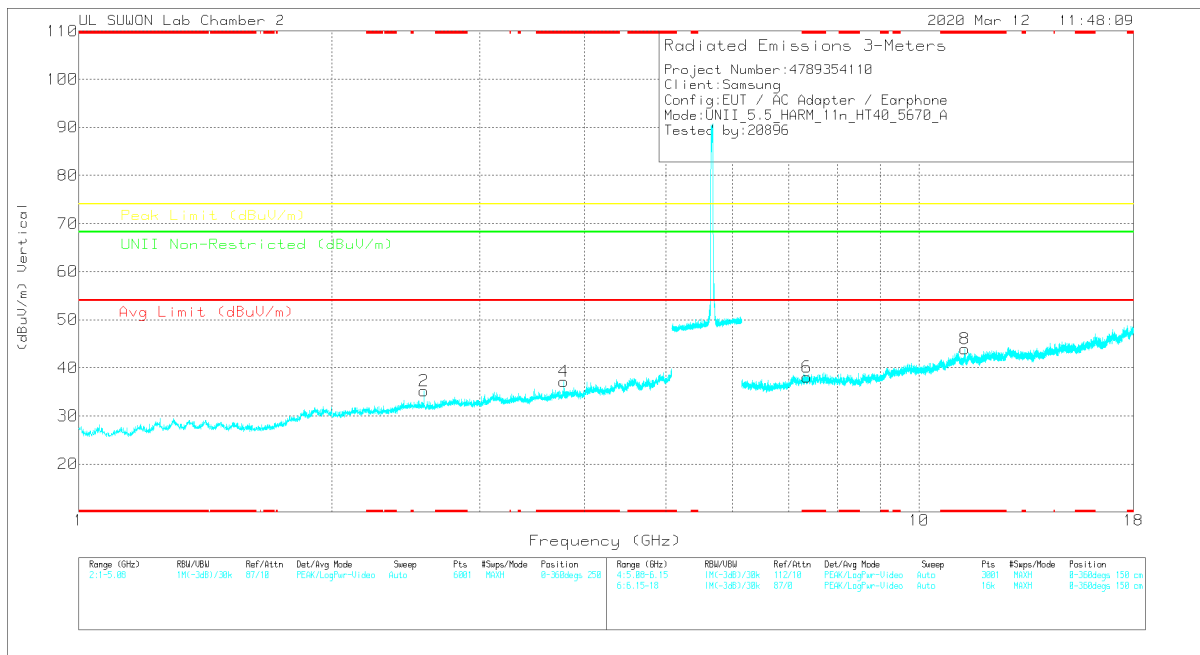
Frequency (GHz)	Mask Reading (dBu)	Det	3117_00168724	5GHz_HF1(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	UNI Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
* 11.17929	36.42	PK-U	38.2	-19.5	0	55.12	-	-	74	-18.88	-	-	76	100	H
* 11.17993	25.26	ADR	38.2	-19.5	2	44.16	54	-9.84	-	-	-	-	76	100	H
* 11.17969	38.08	PK-U	38.2	-19.5	0	56.78	-	-	74	-17.22	-	-	37	100	V
* 11.18001	27.98	ADR	38.2	-19.5	2	46.88	54	-7.12	-	-	-	-	37	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBm)	Det	3117_00168724	5GHz_LF1(B)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Deg)	Height (cm)	Polarity
1	2.57556	32.69	PK	32	-30.2	0	34.49	-	-	-	-	68.2	-33.71	0-360	250	H
3	* 3.77984	33.69	PK	33.2	-29.4	0	37.49	-	-	74	-36.51	-	-	0-360	250	H
2	2.57556	33.36	PK	32	-30.2	0	35.16	-	-	-	-	68.2	-33.04	0-360	150	V
4	* 3.77984	33.41	PK	33.2	-29.4	0	37.21	-	-	74	-36.79	-	-	0-360	250	V

Marker	Frequency (GHz)	Mask Reading (dBm)	Det	3117_00168724	6GHz_HP1(B)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Deg)	Height (cm)	Polarity
5	* 7.36085	27.75	PK	36.2	-24.6	0	39.35	-	-	74	-34.65	-	-	0-360	250	H
7	* 11.33998	27.14	PK	38.3	-20.1	0	45.34	-	-	74	-28.66	-	-	0-360	250	H
6	* 7.36011	26.44	PK	36.2	-24.6	0	38.04	-	-	74	-35.96	-	-	0-360	250	V
8	* 11.33998	25.75	PK	38.3	-20.1	0	43.95	-	-	74	-30.05	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Mask Reading (dBm)	Det	3117_00168724	5GHz_LF1(B)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Deg)	Height (cm)	Polarity
2.577	41.11	PK-U	32	-30.2	0	42.91	-	-	-	-	68.2	-25.29	313	106	H
2.5758	42.08	PK-U	32	-30.2	0	43.88	-	-	-	-	68.2	-24.32	4	160	V
* 3.7802	43.29	PK-U	33.2	-29.4	0	47.09	-	-	74	-26.91	-	-	57	104	H
* 3.78008	35.25	ADR	33.2	-29.4	.2	39.25	54	-14.75	-	-	-	-	57	104	H
* 3.78004	42.03	PK-U	33.2	-29.4	0	45.83	-	-	74	-28.17	-	-	28	206	V
* 3.78012	32.69	ADR	33.2	-29.4	.2	36.69	54	-17.31	-	-	-	-	28	206	V

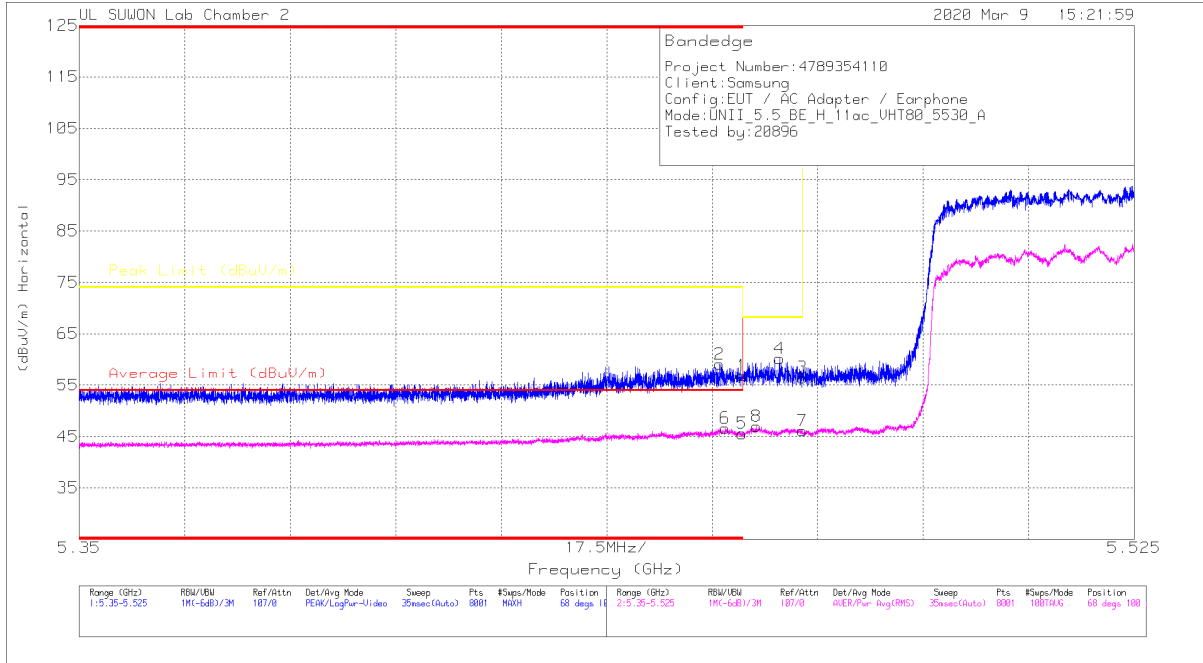
Frequency (GHz)	Mask Reading (dBm)	Det	3117_00168724	6GHz_HP1(B)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Deg)	Height (cm)	Polarity
* 7.43993	37.3	PK-U	36.2	-24.2	0	42.3	-	-	74	-24.7	-	-	118	120	H
* 7.44001	27.73	ADR	36.2	-24.2	.2	39.93	54	-14.07	-	-	-	-	118	120	H
* 7.43989	37.11	PK-U	36.2	-24.2	0	49.11	-	-	74	-24.89	-	-	40	169	V
* 7.43997	28.24	ADR	36.2	-24.2	.2	40.44	54	-13.56	-	-	-	-	40	169	V
* 11.34014	36.98	PK-U	38.3	-20.1	0	55.18	-	-	74	-18.82	-	-	76	342	H
* 11.34002	26.44	ADR	38.3	-20.1	.2	44.84	54	-9.16	-	-	-	-	76	342	H
* 11.33998	39.22	PK-U	38.3	-20.1	0	57.42	-	-	74	-16.58	-	-	33	100	V
* 11.33998	28.72	ADR	38.3	-20.1	.2	47.12	54	-6.88	-	-	-	-	33	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

11.3.4. TX ABOVE 1GHz 802.11ac VHT80 2Tx MODE IN THE 5.5GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

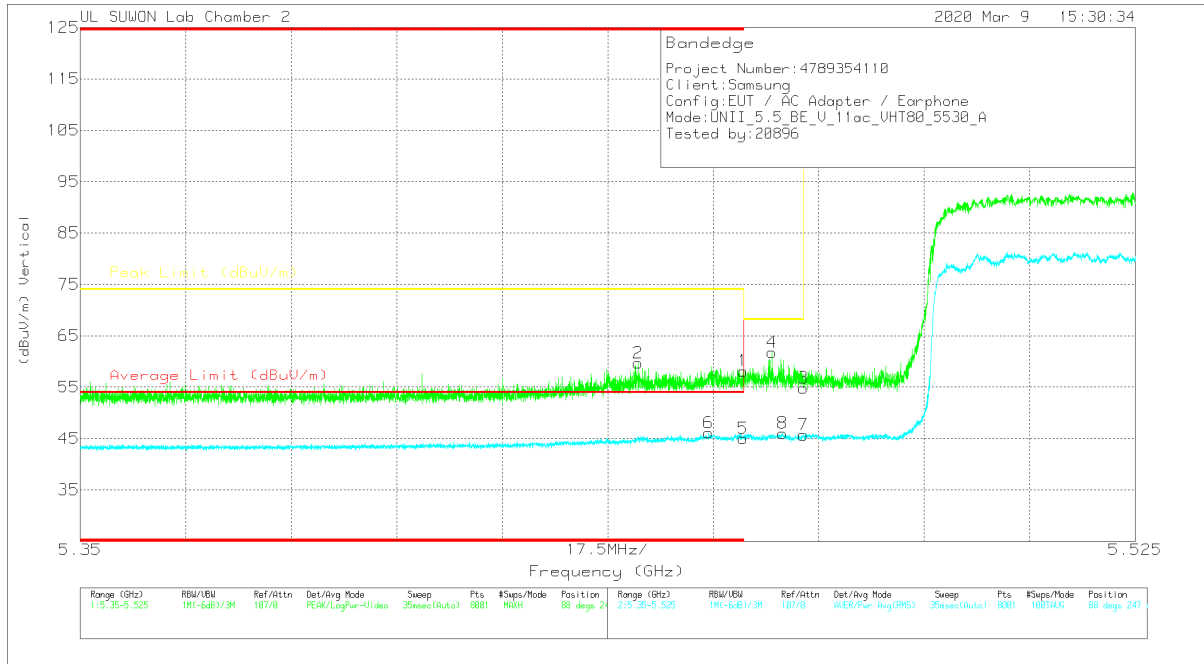
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	40.37	Pk	34.6	-18.1	0	56.87	-	-	74	-17.13	68	100	H
2	* 5.45618	42.57	Pk	34.6	-18.1	0	59.07	-	-	74	-14.93	68	100	H
3	5.46998	39.94	Pk	34.6	-18.1	0	56.44	-	-	68.2	-11.76	68	100	H
4	5.46616	43.66	Pk	34.6	-18.1	0	60.16	-	-	68.2	-8.04	68	100	H
5	* 5.45999	28.6	RMS	34.6	-18.1	48	45.58	54	-8.42	-	-	68	100	H
6	* 5.45714	29.65	RMS	34.6	-18.1	48	46.63	54	-7.37	-	-	68	100	H
7	5.46998	29.14	RMS	34.6	-18.1	48	46.12	-	-	-	-	68	100	H
8	5.46235	29.99	RMS	34.6	-18.1	48	46.97	-	-	-	-	68	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degree)	Height (cm)	Polarity
1	* 5.45999	41.66	Pk	34.6	-18.1	0	58.16	-	-	74	-15.84	88	247	V
2	* 5.44253	43.29	Pk	34.5	-18.1	0	59.69	-	-	74	-14.31	88	247	V
3	5.46998	38.33	Pk	34.6	-18.1	0	54.83	-	-	68.2	-13.37	88	247	V
4	5.46473	45.25	Pk	34.6	-18.1	0	61.75	-	-	68.2	-6.45	88	247	V
5	* 5.45999	28.04	RMS	34.6	-18.1	-48	45.02	54	-8.98	-	-	88	247	V
6	* 5.45421	29.11	RMS	34.6	-18.1	-48	46.09	54	-7.91	-	-	88	247	V
7	5.46998	28.72	RMS	34.6	-18.1	-48	45.7	-	-	-	-	88	247	V
8	5.46655	29.03	RMS	34.6	-18.1	-48	46.01	-	-	-	-	88	247	V

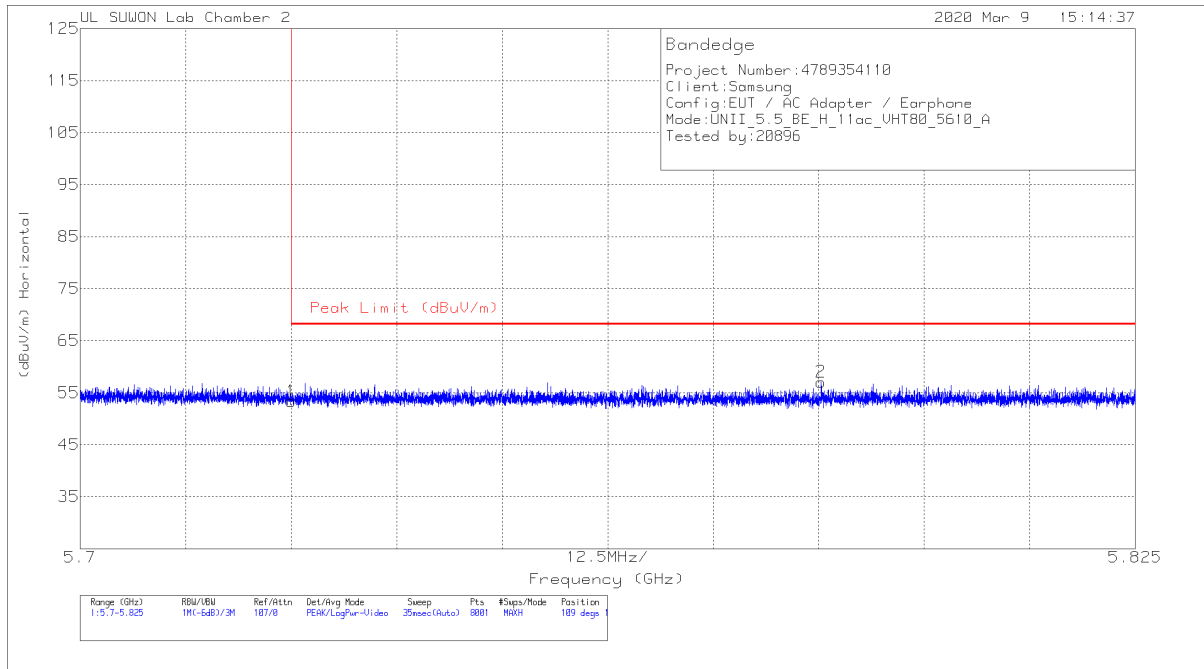
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BADEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

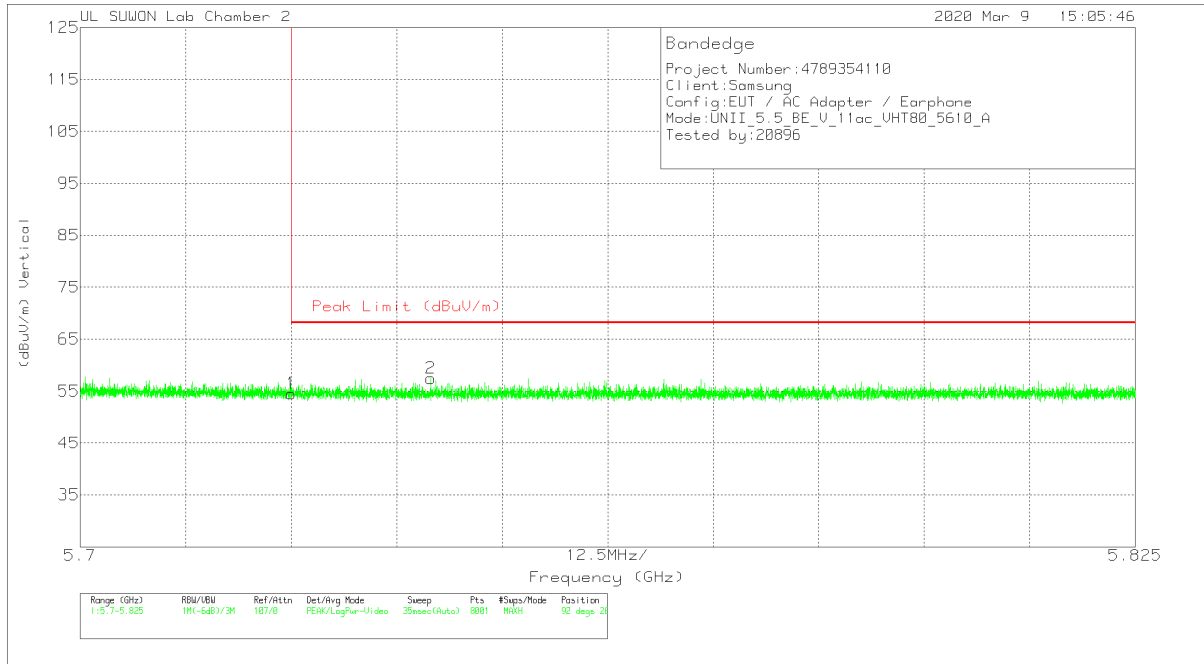


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	36.16	Pk	34.7	-17.5	0	53.36	68.2	-14.84	109	118	H
2	5.78778	39.75	Pk	34.8	-17.5	0	57.05	68.2	-11.15	109	118	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE DATA



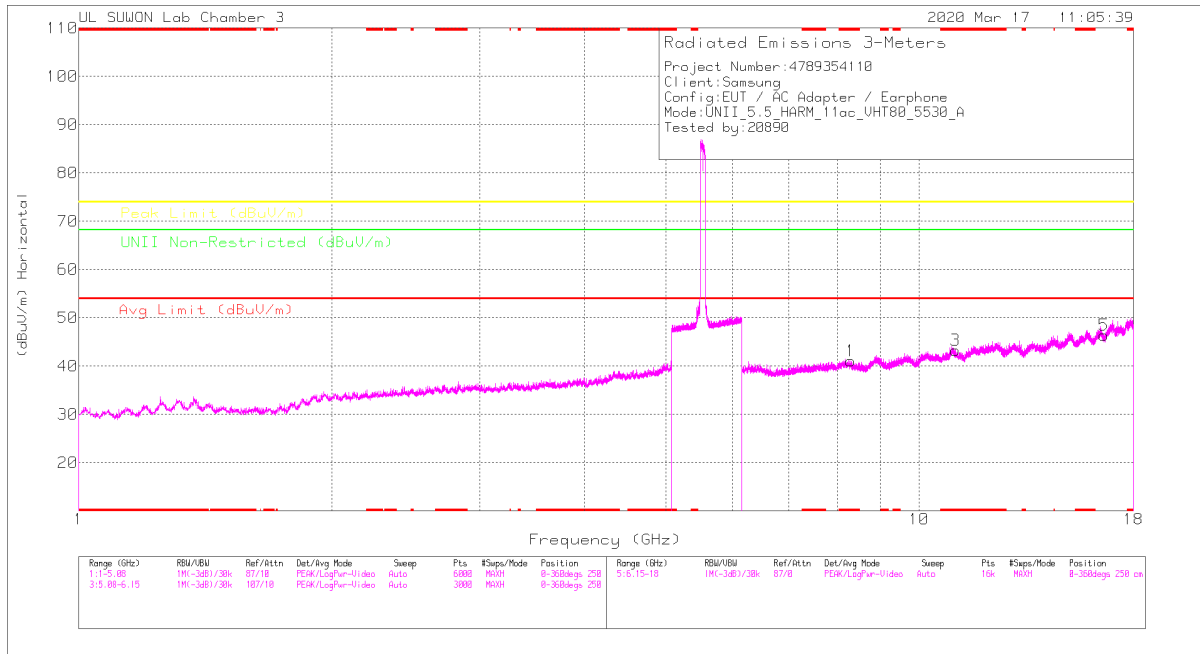
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	37.32	Pk	34.7	-17.5	0	54.52	68.2	-13.68	92	266	V
2	5.74153	40.36	Pk	34.7	-17.6	0	57.46	68.2	-10.74	92	266	V

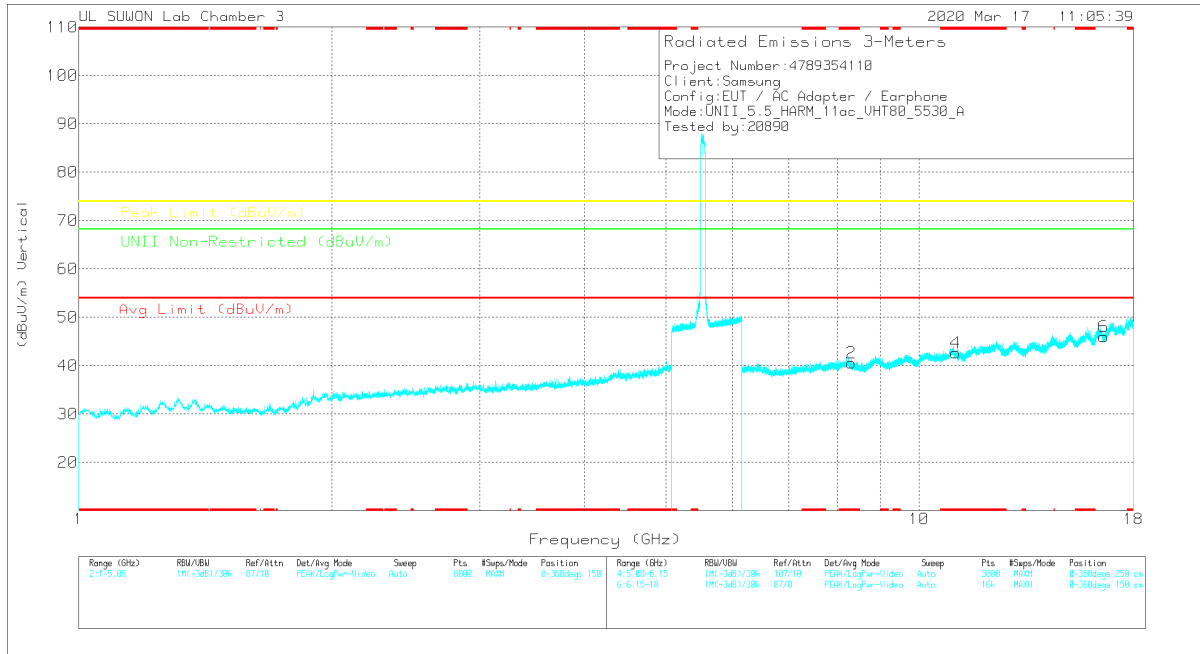
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Major Reading (dBuV)	Det	31.7_0209595	6GHz_HFp(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNR Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
1	* 8.29128	26.32	PK	36.4	-21.6	0	41.12	-	-	74	-32.88	-	-	0-360	150	H
3	* 11.05991	24.46	PK	38.2	-19.4	0	43.26	-	-	74	-30.74	-	-	0-360	250	H
5	16.59168	22.71	PK	41	-17.3	0	46.41	-	-	-	-	68.2	-21.79	0-360	250	H
2	* 8.30313	25.53	PK	36.4	-21.6	0	40.53	-	-	74	-33.37	-	-	0-360	250	V
4	* 11.06065	23.86	PK	38.2	-19.4	0	42.66	-	-	74	-31.34	-	-	0-360	150	V
6	16.58902	22.18	PK	41	-17.2	0	45.98	-	-	-	-	68.2	-22.22	0-360	150	V

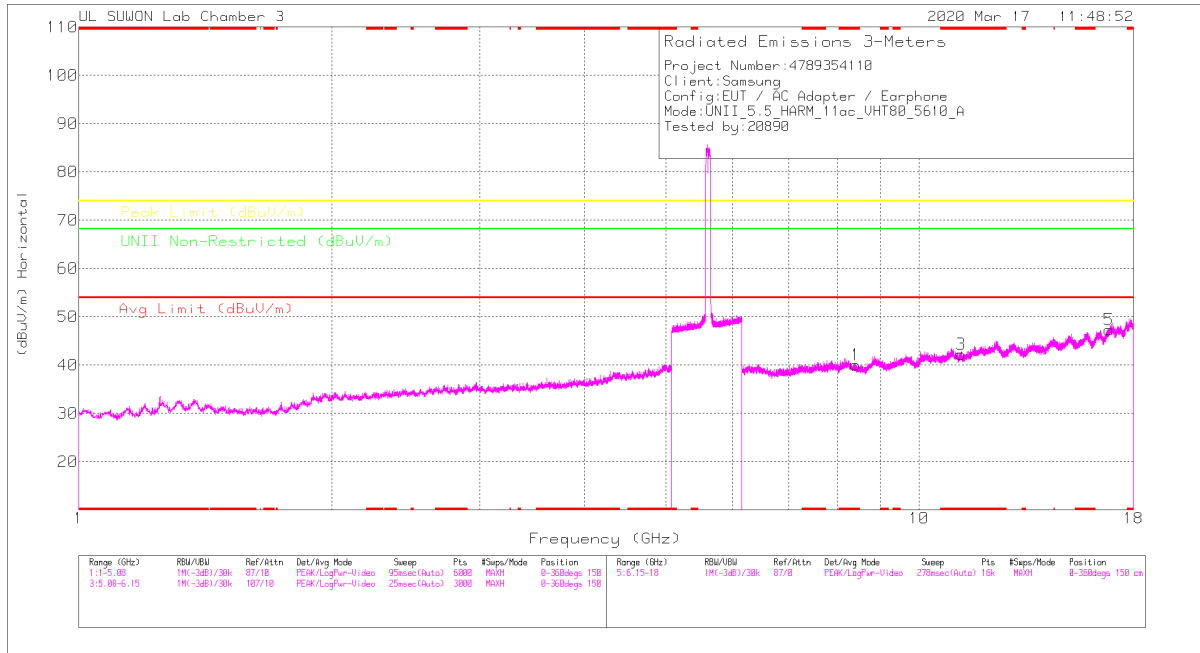
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK - Peak Detector

Radiated Emissions

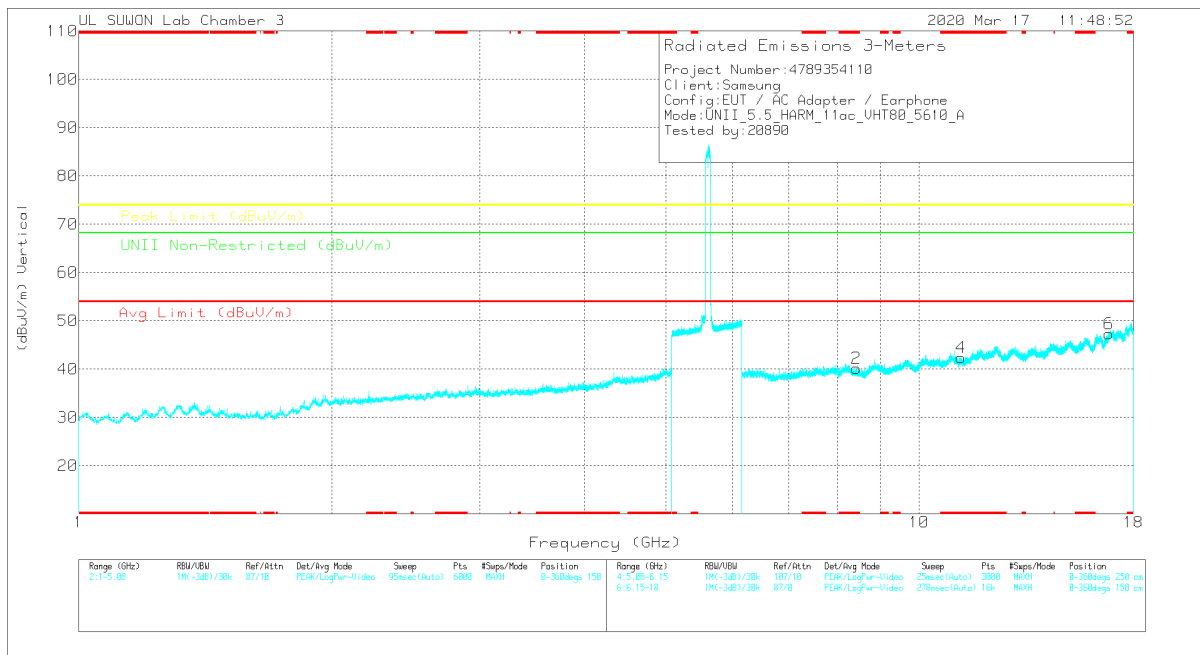
Frequency (GHz)	Major Reading (dBuV)	Det	31.7_0209595	6GHz_HFp(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNR Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
* 8.29932	35.69	PK-U	36.4	-21.6	0	50.49	-	-	74	-23.51	-	-	0	100	H
* 8.20298	35.67	PK-U	36.4	-21.6	0	50.47	-	-	74	-23.53	-	-	0	100	V
* 11.06046	33.81	PK-U	38.2	-19.4	0	52.61	-	-	74	-21.39	-	-	0	100	H
* 11.06045	34.5	PK-U	38.2	-19.4	0	53.3	-	-	74	-20.7	-	-	0	100	V
16.59642	33.12	PK-U	41	-17.2	0	56.92	-	-	-	-	68.2	-11.28	0	100	H
16.58842	33.23	PK-U	41	-17.2	0	57.03	-	-	-	-	68.2	-11.17	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	317_0020969	6GHz_HFdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Deg)	Height (m)	Polarity
1	* 8.40979	25.12	PK	36.3	-21.4	0	40.02	-	-	74	-33.98	-	-	0-360	150	H
3	* 11.22878	23.13	PK	38.4	-19.3	0	42.23	-	-	74	-31.77	-	-	0-360	150	H
5	16.82869	22.22	PK	41.5	-16.4	0	47.32	-	-	-	-	68.2	-20.88	0-360	150	H
2	* 8.42239	25.21	PK	36.3	-21.3	0	40.21	-	-	74	-33.79	-	-	0-360	150	V
4	* 11.22508	23.29	PK	38.4	-19.3	0	42.59	-	-	74	-31.61	-	-	0-360	150	V
6	16.83344	22.26	PK	41.5	-16.4	0	47.36	-	-	-	-	68.2	-20.84	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Marker Reading (dBuV)	Det	317_0020969	6GHz_HFdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Deg)	Height (m)	Polarity
* 8.41562	34.61	PK-U	36.3	-21.4	0	49.51	-	-	74	-24.49	-	-	0	100	H
* 8.41025	35.03	PK-U	36.3	-21.4	0	49.93	-	-	74	-24.07	-	-	0	100	V
* 11.2397	33.36	PK-U	38.4	-19.2	0	52.56	-	-	74	-21.44	-	-	0	100	H
* 11.22794	33.91	PK-U	38.4	-19.3	0	53.01	-	-	74	-20.99	-	-	0	100	V
16.83314	31.95	PK-U	41.5	-16.4	0	57.05	-	-	-	-	68.2	-11.15	0	100	H
16.82237	32.41	PK-U	41.5	-16.3	0	57.61	-	-	-	-	68.2	-10.59	0	100	V

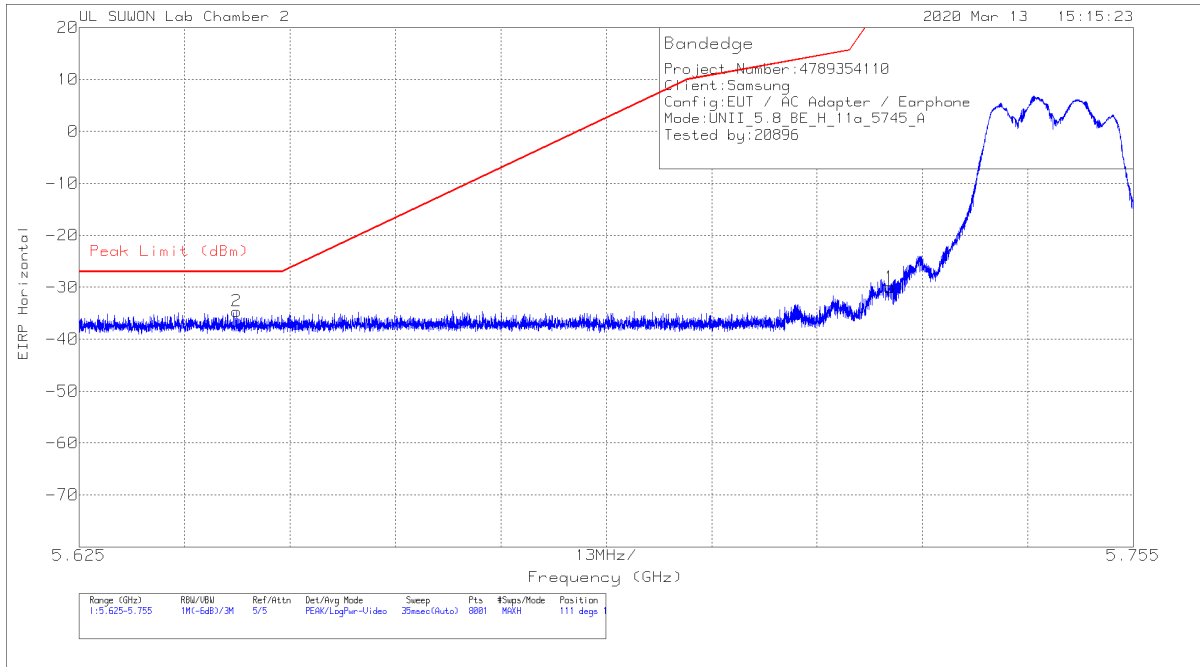
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.4. 5.8 GHz

11.4.1. TX ABOVE 1GHz 802.11a 2Tx MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK DATA

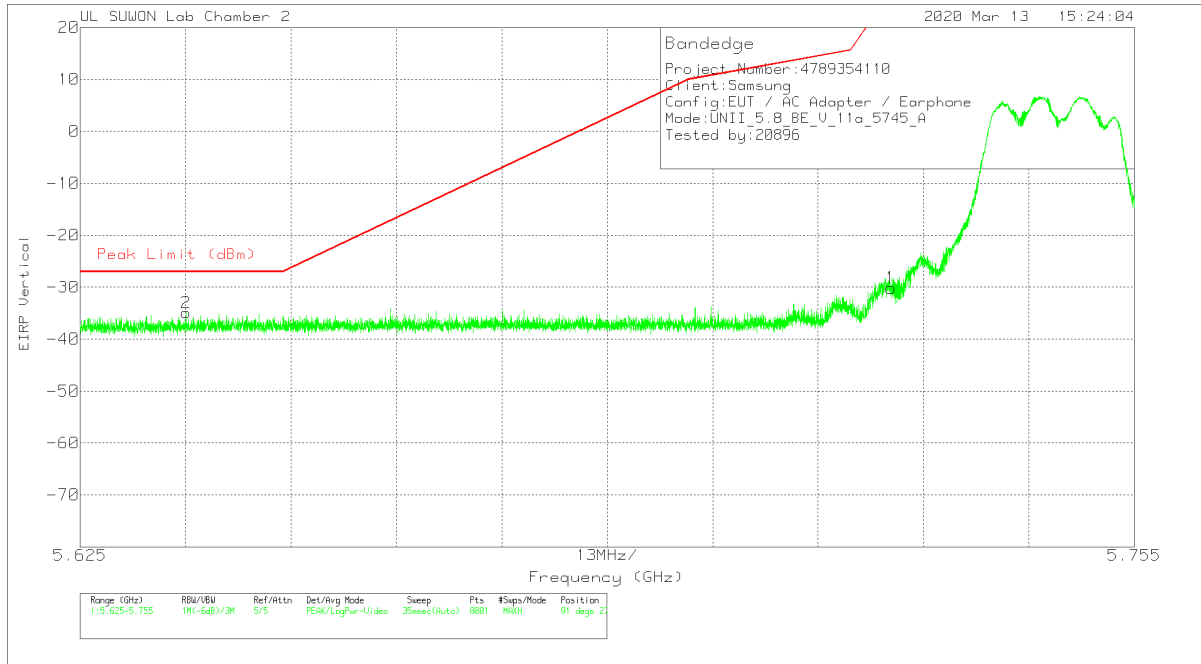


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00 168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-58.8	PK		-17.5	11.8	0	-30	26.97	-56.97	111	131	H
2	5.6444	-63.12	PK		-17.7	11.8	0	-34.62	-27	-7.62	111	131	H

Pk - Peak detector

VERTICAL PEAK DATA



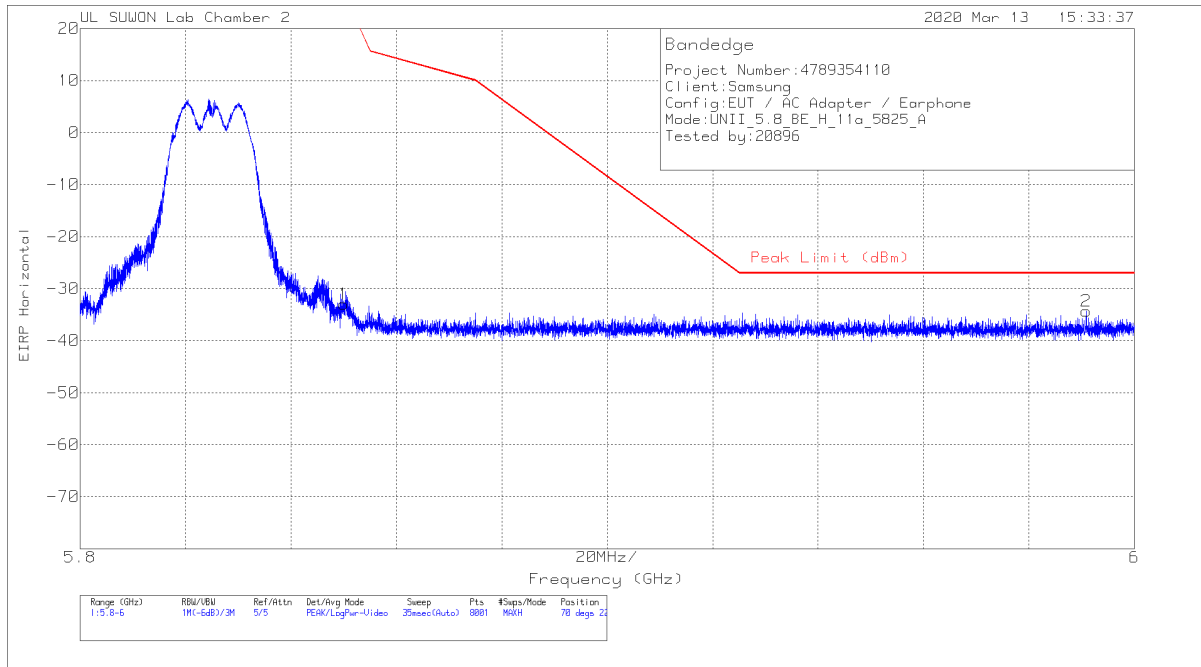
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[0 0168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-58.93	Pk	34.5	-17.5	11.8	0	-30.13	26.97	-57.1	91	278	V
2	5.63805	-63.43	Pk	34.4	-17.7	11.8	0	-34.93	-27	-7.93	91	278	V

Pk - Peak detector

BADEDGE (HIGH CHANNEL)

HORIZONTAL PEAK DATA

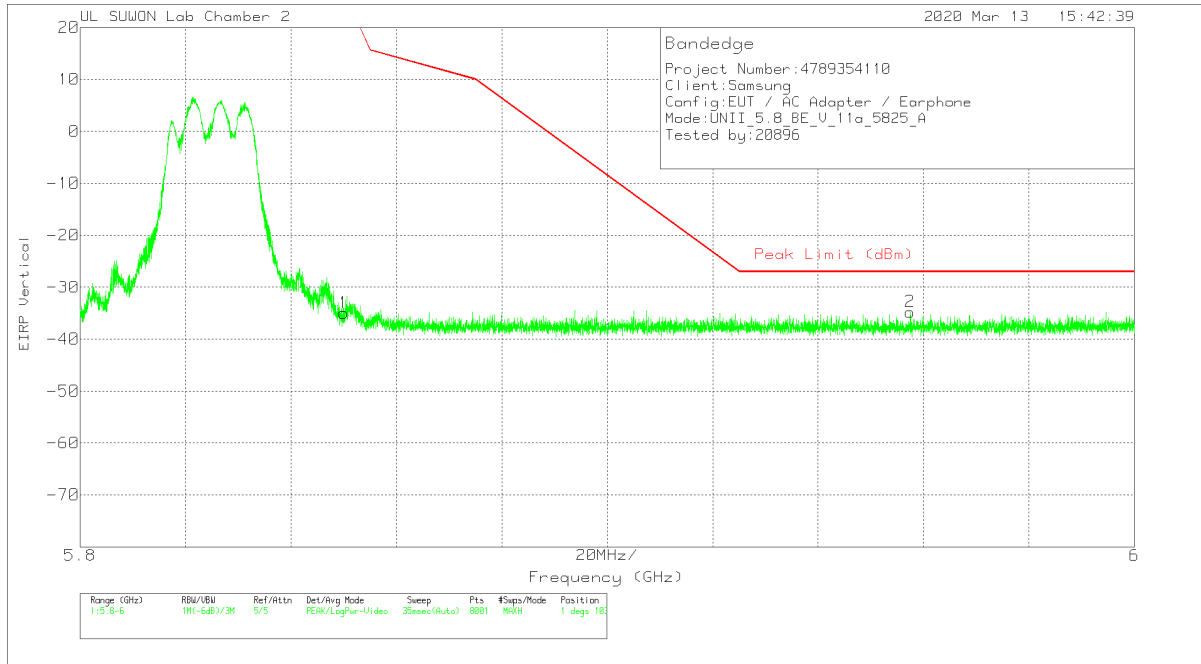


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[0 0168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-61.98	Pk	34.5	-17.3	11.8	0	-32.98	26.94	-59.92	70	223	H
2	5.99088	-63.64	Pk	34.8	-17.3	11.8	0	-34.34	-27	-7.34	70	223	H

Pk - Peak detector

VERTICAL PEAK DATA



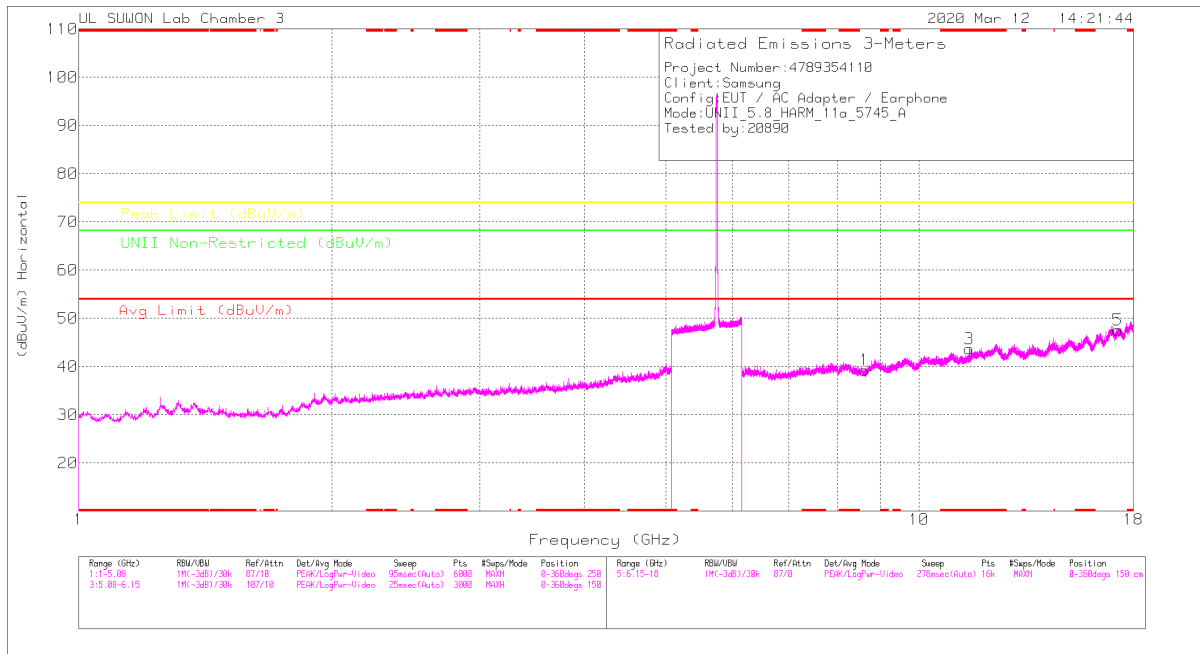
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[0 0168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-63.95	Pk	34.5	-17.3	11.8	0	-34.95	26.94	-61.89	1	103	V
2	5.95748	-63.84	Pk	34.6	-17.3	11.8	0	-34.74	-27	-7.74	1	103	V

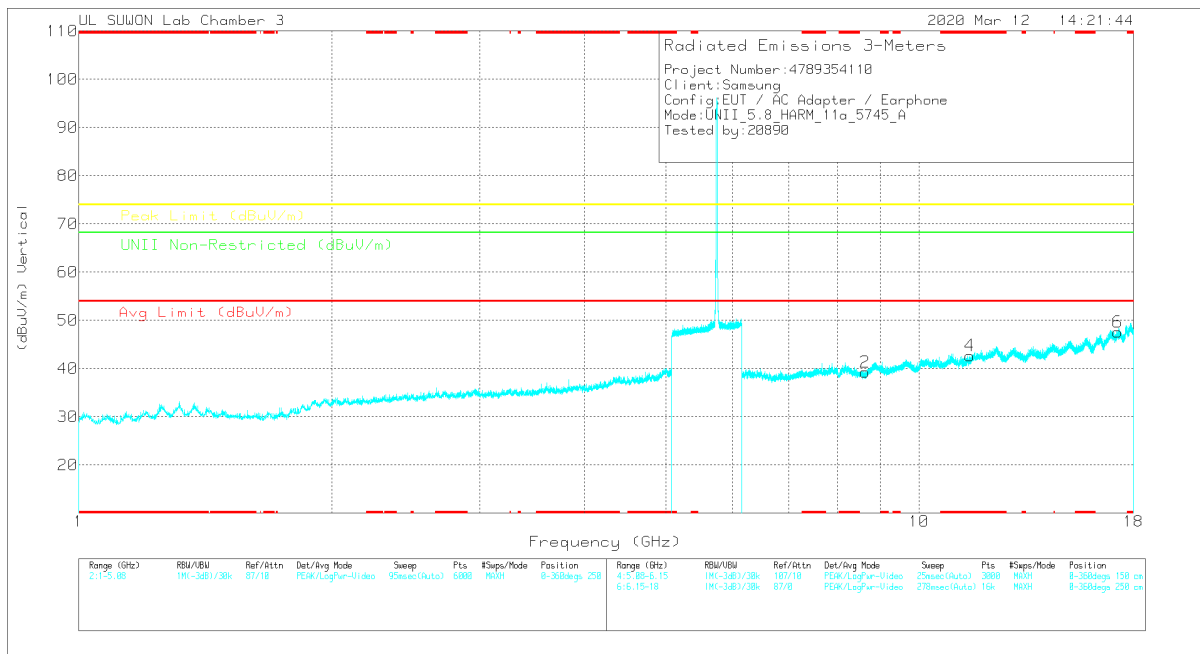
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBu)	Det	317_0020969	6GHz_HF9(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	Limit Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	8.61792	24.13	PK	36.3	-21.1	0	39.33	-	-	-	-	68.2	-28.87	0-360	150	H
3	* 11.48357	24.43	PK	38.5	-19.3	0	43.63	-	-	74	-30.37	-	-	0-360	150	H
5	17.23764	21.4	PK	41.3	-15.1	0	47.6	-	-	-	-	68.2	-20.6	0-360	150	H
2	8.62384	24.12	PK	36.3	-21.1	0	39.32	-	-	-	-	68.2	-28.88	0-360	250	V
4	* 11.49024	23.61	PK	38.5	-19.4	0	42.71	-	-	74	-31.29	-	-	0-360	150	V
6	17.23468	21.48	PK	41.3	-15.2	0	47.58	-	-	-	-	68.2	-20.62	0-360	150	V

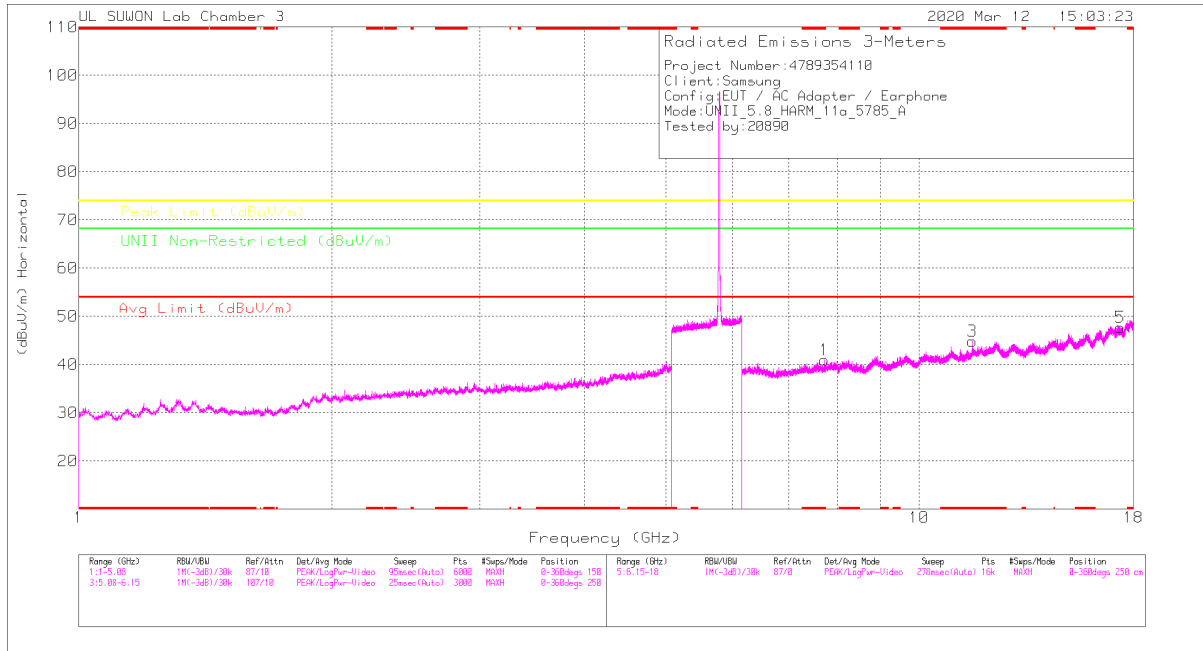
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

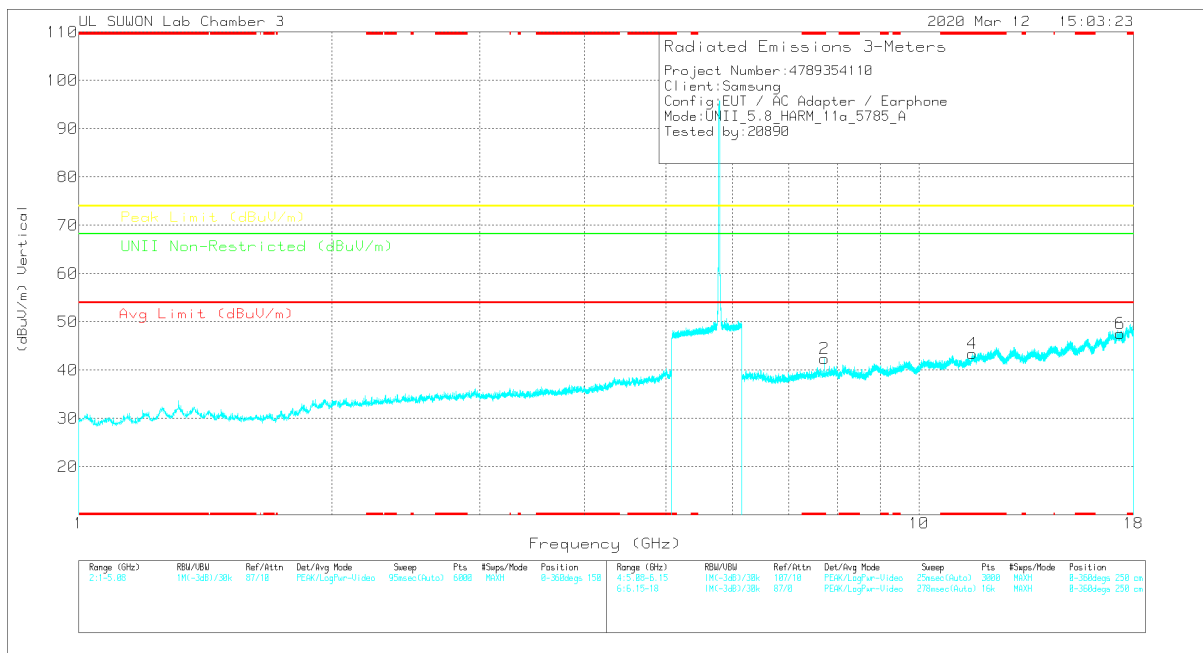
Frequency (GHz)	Mask Reading (dBu)	Det	317_0020969	6GHz_HF9(B)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	Limit Non-Restricted (dBu/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
8.61785	34.1	PK-U	36.3	-21.1	0	49.3	-	-	-	-	68.2	-18.9	0	100	H
8.61774	34.23	PK-U	36.3	-21.1	0	49.43	-	-	-	-	68.2	-18.77	0	100	V
* 11.49252	34.72	PK-U	38.5	-19.4	0	53.62	-	-	74	-20.18	-	-	19	100	H
* 11.48852	23.26	ADR	38.5	-19.4	.15	42.51	54	-11.49	-	-	-	-	19	100	H
* 11.48864	35.25	PK-U	38.5	-19.4	0	54.35	-	-	74	-19.65	-	-	27	164	V
* 11.48856	23.97	ADR	38.5	-19.4	.15	43.22	54	-10.78	-	-	-	-	27	164	V
17.23846	31.13	PK-U	41.3	-15.1	0	57.33	-	-	-	-	68.2	-10.87	0	100	H
17.23769	30.88	PK-U	41.3	-15.1	0	57.08	-	-	-	-	68.2	-11.12	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	31.17_00209969	6GHz_HFp(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 7.71282	28.28	PK	35.9	-23.2	0	40.88	-	-	74	-33.02	-	-	0-360	150	H
3	* 11.57171	25.87	PK	38.6	-19.6	0	44.87	-	-	74	-29.13	-	-	0-360	150	H
5	17.35961	21.87	PK	41.2	-15.3	0	47.77	-	-	-	-	68.2	-20.43	0-360	150	H
2	* 7.71282	29.71	PK	35.9	-23.2	0	42.41	-	-	74	-31.59	-	-	0-360	250	V
4	* 11.58134	24.43	PK	38.6	-19.6	0	43.43	-	-	74	-30.57	-	-	0-360	150	V
6	17.36302	21.58	PK	41.2	-15.2	0	47.58	-	-	-	-	68.2	-20.62	0-360	250	V

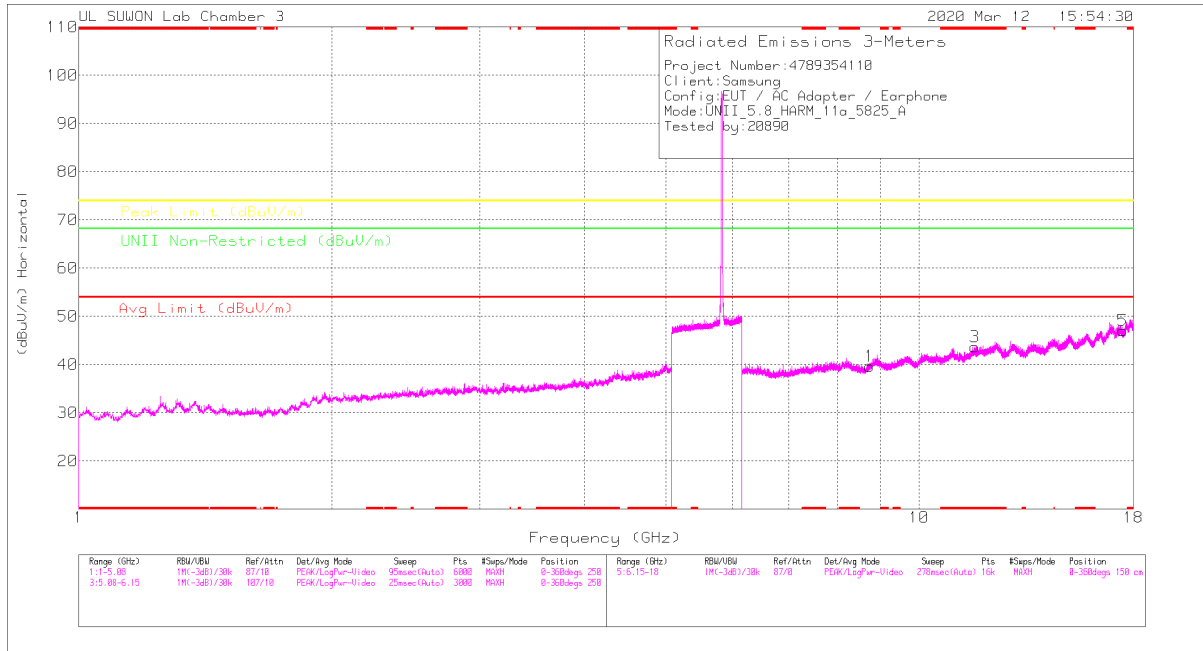
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

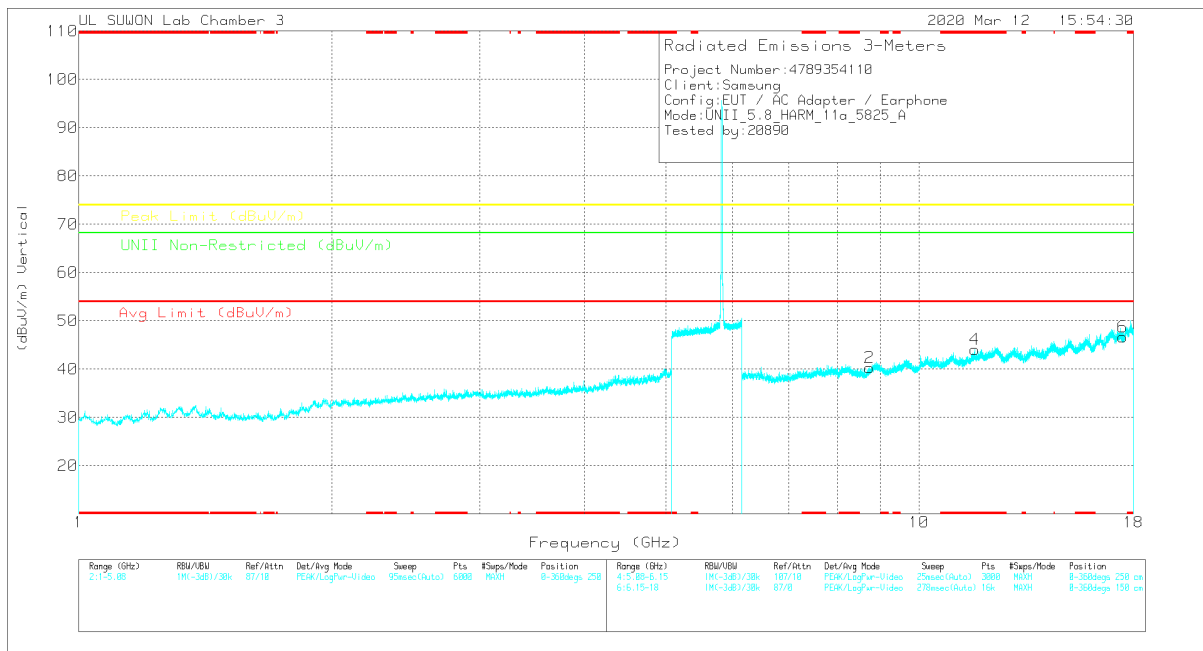
Frequency (GHz)	Marker Reading (dBuV)	Det	31.17_00209969	6GHz_HFp(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Limit Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
* 7.71358	36.71	PK-U	35.9	-23.1	0	49.51	-	-	74	-24.49	-	-	67	105	H
* 7.71332	26.19	ADR	35.9	-23.2	.15	39.04	54	-14.96	-	-	-	-	67	105	H
* 7.71338	36.49	PK-U	35.9	-23.2	0	49.18	-	-	74	-24.82	-	-	78	220	V
* 7.7135	25.95	ADR	35.9	-23.1	.15	38.9	54	-15.1	-	-	-	-	78	220	V
* 11.57022	35.75	PK-U	38.6	-19.6	0	54.75	-	-	74	-19.25	-	-	325	239	H
* 11.57022	24.18	ADR	38.6	-19.6	.15	43.33	54	-10.67	-	-	-	-	325	239	H
* 11.57096	35.77	PK-U	38.6	-19.6	0	55.77	-	-	74	-18.23	-	-	36	101	V
* 11.57178	24.39	ADR	38.6	-19.6	.15	43.54	54	-10.46	-	-	-	-	36	101	V
17.35623	31.61	PK-U	41.2	-15.3	0	57.51	-	-	-	-	68.2	-10.69	350	100	H
17.35625	31.26	PK-U	41.2	-15.3	0	57.16	-	-	-	-	68.2	-11.04	350	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBu)	Det	317_0020969	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	Limit Non-Restricted (dBu/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	8.73939	24.06	PK	36.4	-20.8	0	39.66	-	-	-	-	68.2	-28.54	0-360	250	H
3	* 11.6517	24.51	PK	38.7	-19.5	0	43.71	-	-	74	-30.29	-	-	0-360	150	H
5	17.4793	20.79	PK	41.2	-14.9	0	47.09	-	-	-	-	68.2	-21.11	0-360	150	H
2	8.73939	24.69	PK	36.4	-20.8	0	40.29	-	-	-	-	68.2	-27.91	0-360	250	V
4	* 11.64652	24.73	PK	38.7	-19.4	0	44.03	-	-	74	-29.97	-	-	0-360	250	V
6	17.47762	20.38	PK	41.2	-14.9	0	46.68	-	-	-	-	68.2	-21.52	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

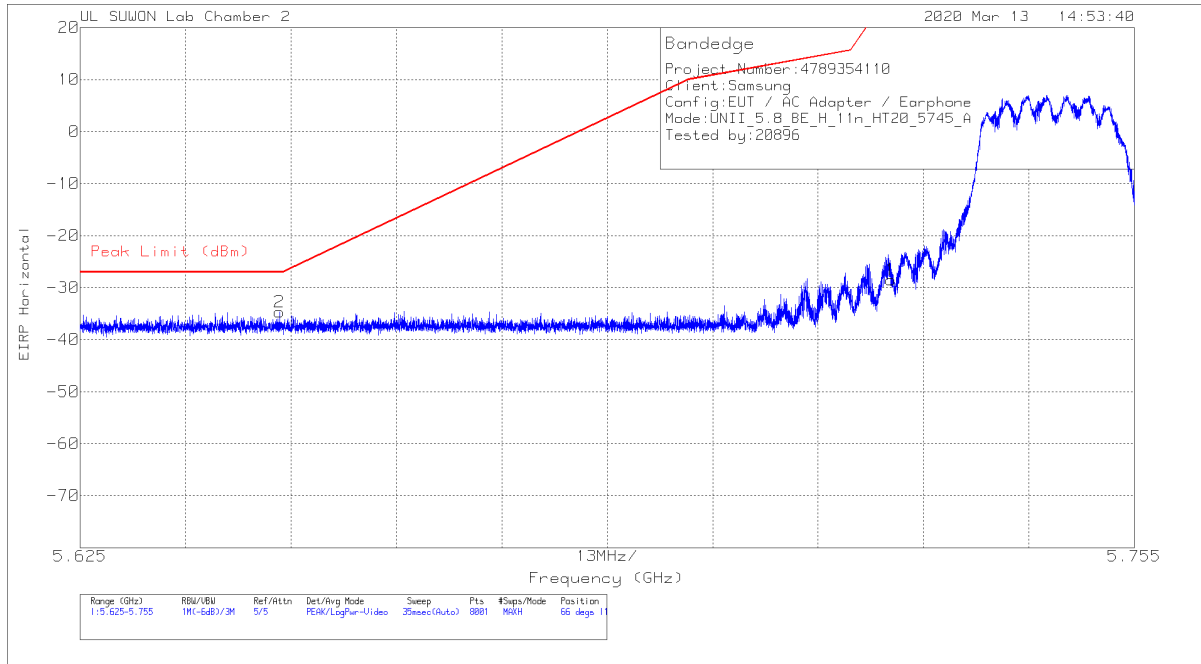
Frequency (GHz)	Mask Reading (dBu)	Det	317_0020969	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	Limit Non-Restricted (dBu/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
8.73939	34.59	PK-U	36.4	-20.8	0	50.19	-	-	-	-	68.2	-18.01	360	100	H
8.7392	34.66	PK-U	36.4	-20.8	0	50.26	-	-	-	-	68.2	-17.94	360	100	V
* 11.65116	34.6	PK-U	38.7	-19.4	0	53.9	-	-	74	-20.1	-	-	133	101	H
* 11.65146	23.44	ADR	38.7	-19.4	.15	42.89	54	-11.11	-	-	-	-	133	101	H
* 11.64984	34.26	PK-U	38.7	-19.4	0	53.66	-	-	74	-20.44	-	-	63	320	V
* 11.64988	23.31	ADR	38.7	-19.4	.15	42.76	54	-11.24	-	-	-	-	63	320	V
17.48022	30.74	PK-U	41.2	-14.9	0	57.04	-	-	-	-	68.2	-11.16	0	100	H
17.47957	30.74	PK-U	41.2	-14.9	0	57.04	-	-	-	-	68.2	-11.16	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak

11.4.2. TX ABOVE 1GHz 802.11n HT20 2Tx MODE IN THE 5.8GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK DATA

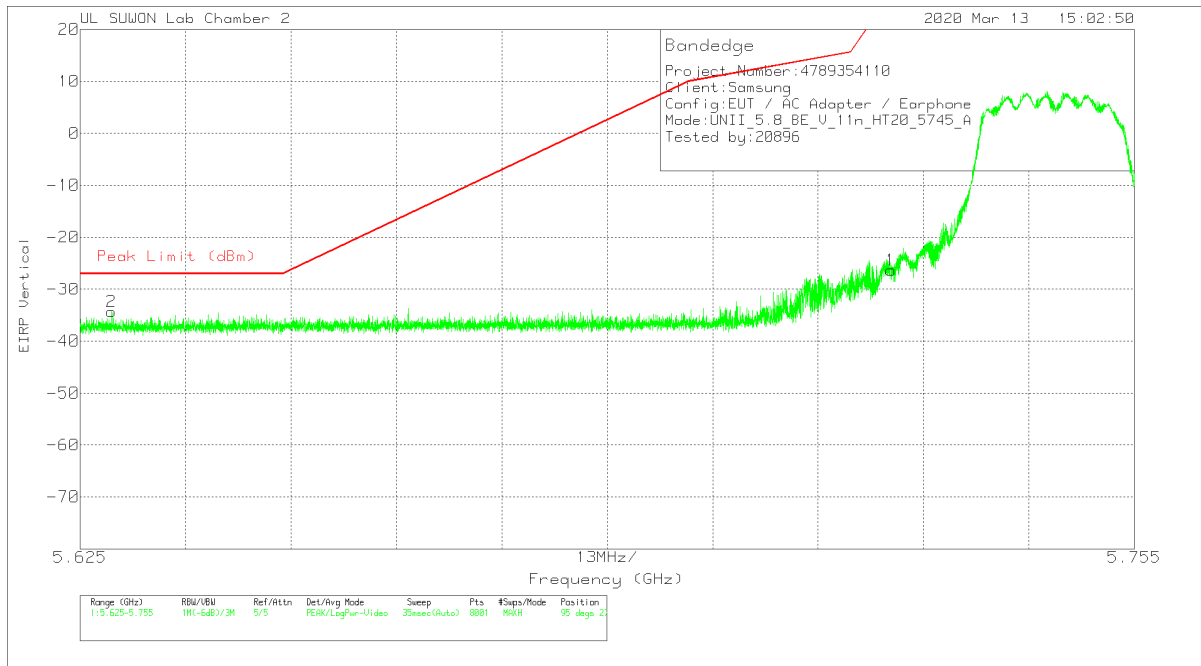


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[0 0168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-57.3	Pk	34.5	-17.5	11.8	0	-28.5	26.97	-55.47	66	116	H
2	5.64957	-63.18	PK	34.4	-17.7	11.8	0	-34.68	-27	-7.68	66	116	H

Pk - Peak detector

VERTICAL PEAK DATA



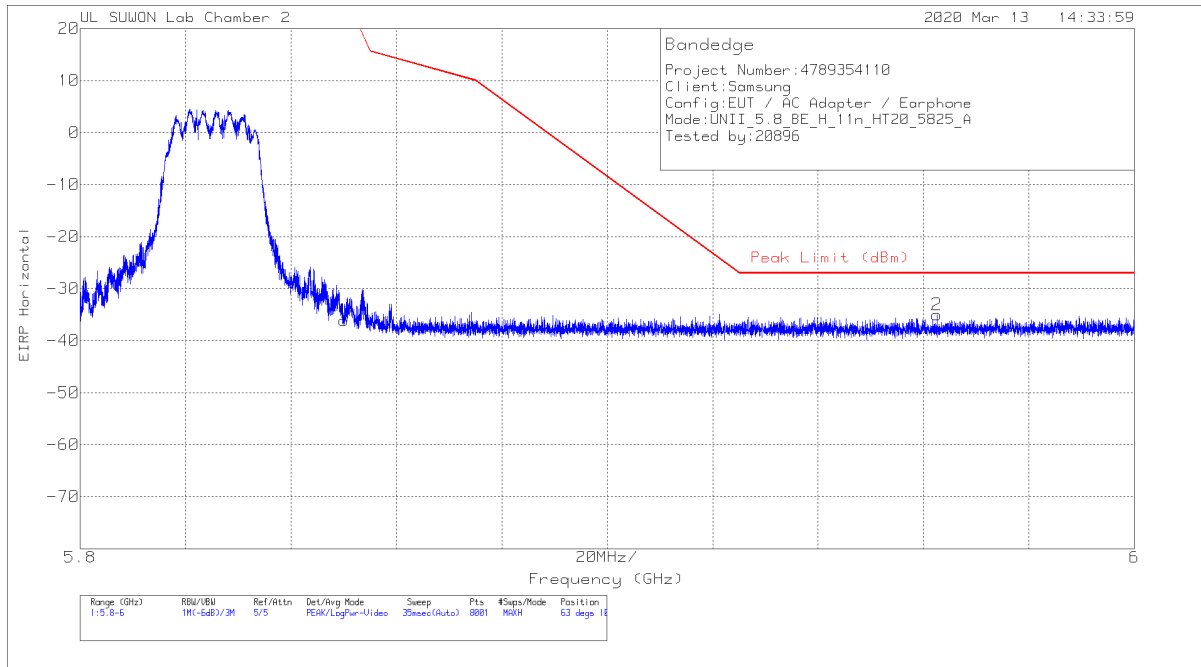
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[0 0168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-55.15	Pk	34.5	-17.5	11.8	0	-26.35	26.97	-53.32	95	273	V
2	5.62885	-62.84	Pk	34.4	-17.7	11.8	0	-34.34	-27	-7.34	95	273	V

Pk - Peak detector

BADEDGE (HIGH CHANNEL)

HORIZONTAL PEAK DATA

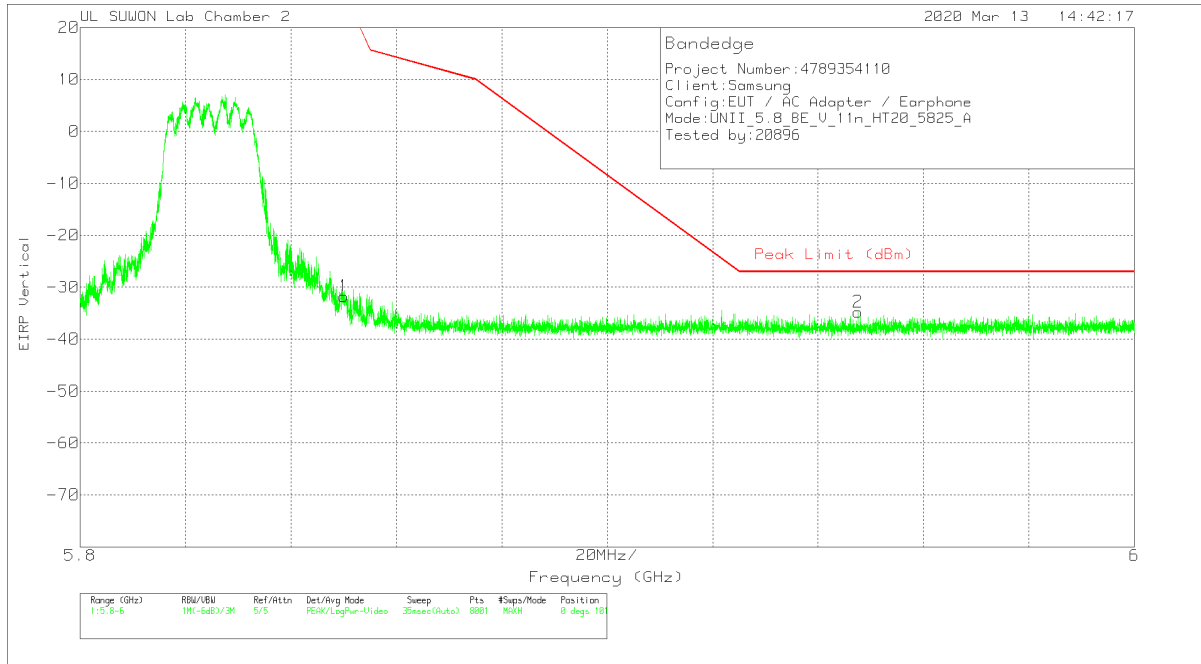


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[0 0168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-65.09	Pk		-17.3	11.8	0	-36.09	26.94	-63.03	63	100	H
2	5.96253	-64.22	Pk		-17.3	11.8	0	-35.02	-27	-8.02	63	100	H

Pk - Peak detector

VERTICAL PEAK DATA



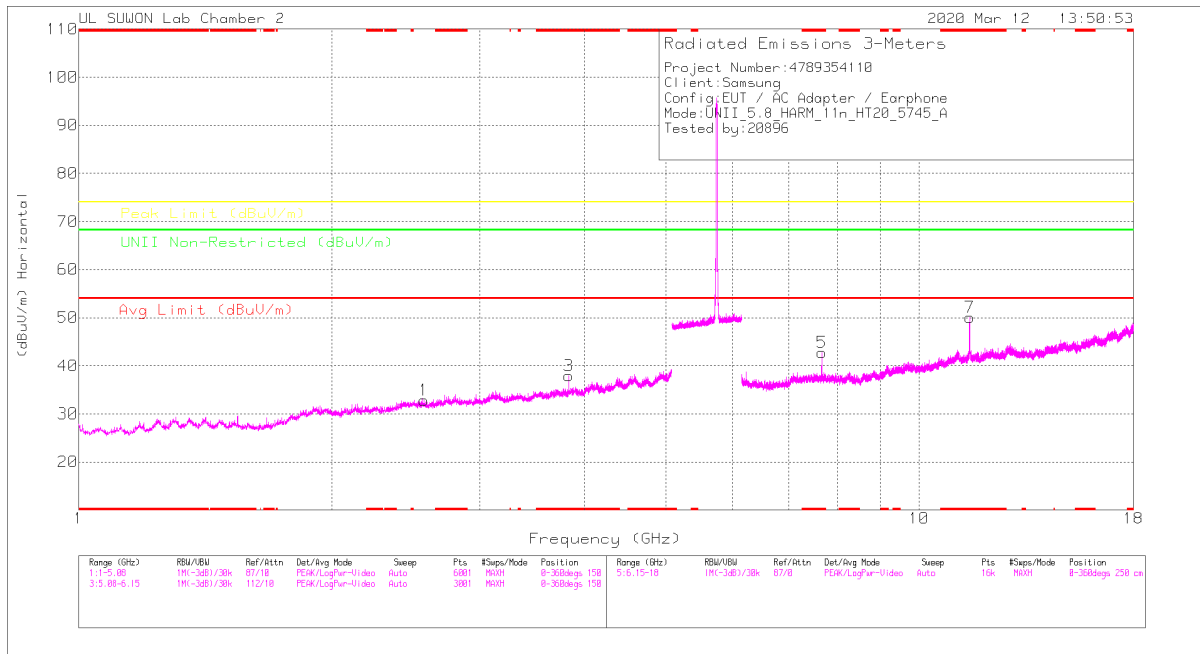
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[0 0168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-60.71	Pk	34.5	-17.3	11.8	0	-31.71	26.94	-58.65	0	101	V
2	5.94758	-63.87	Pk	34.6	-17.3	11.8	0	-34.77	-27	-7.77	0	101	V

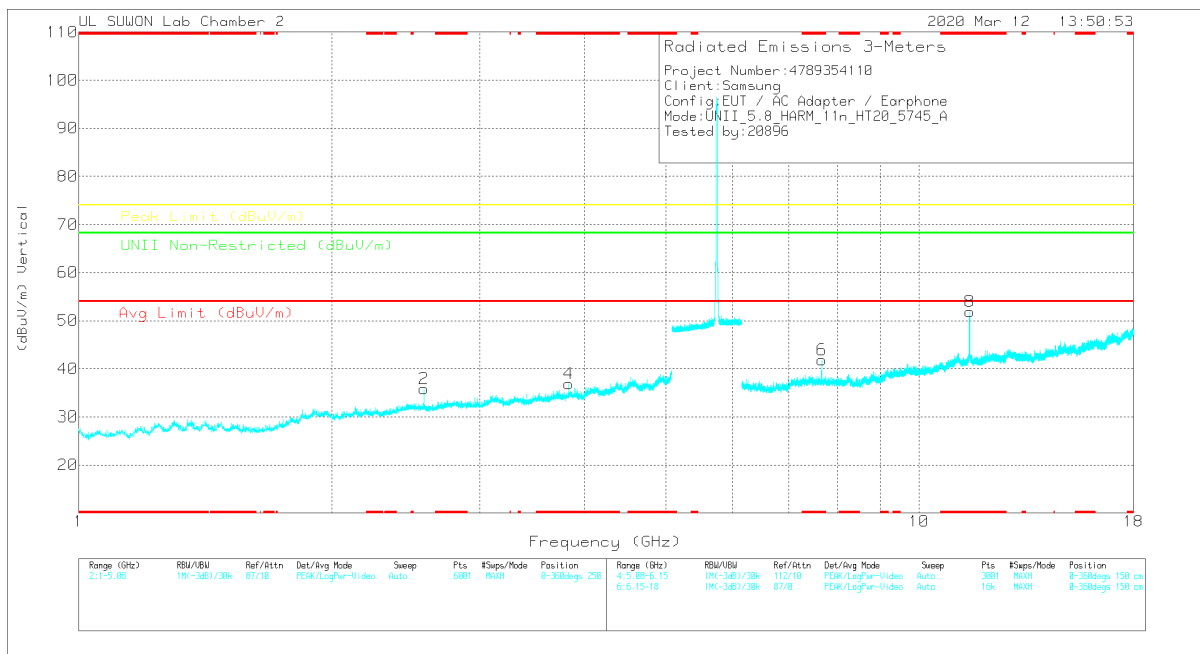
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	5GHz_LF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (m)	Polarity
1	2.57556	31.04	PK	32	-30.2	0	32.54	-	-	-	-	68.2	-35.36	0-360	250	H
3	* 3.83016	33.69	PK	33.3	-29.1	0	37.89	-	-	74	-	-	-	0-360	250	H
2	2.57556	34.06	PK	32	-30.2	0	35.86	-	-	-	-	68.2	-32.34	0-360	150	V
4	* 3.83016	32.66	PK	33.3	-29.1	0	36.86	-	-	74	-	-	-	0-360	150	V

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	5GHz_HF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (m)	Polarity
5	* 7.6593	31.01	PK	36	-24.2	0	42.81	-	-	74	-31.19	-	-	0-360	150	H
7	* 11.48957	31.47	PK	38.3	-19.7	0	50.07	-	-	74	-23.93	-	-	0-360	150	H
6	* 7.6593	30.1	PK	36	-24.2	0	41.9	-	-	74	-32.1	-	-	0-360	250	V
8	* 11.48957	33.28	PK	38.3	-19.7	0	51.88	-	-	74	-22.12	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

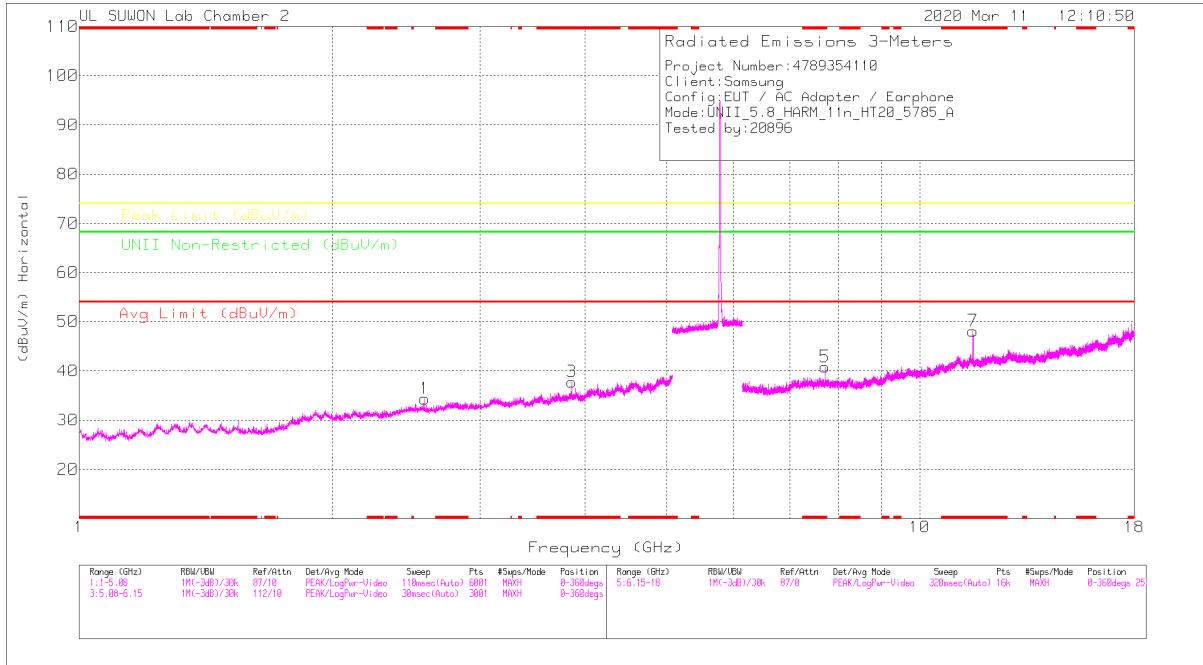
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	5GHz_LF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (m)	Polarity
2.57564	42.57	PK-U	32	-30.2	0	44.37	-	-	-	-	68.2	-23.83	301	320	H
2.57544	42.17	PK-U	32	-30.2	0	43.97	-	-	-	-	68.2	-24.23	4	162	V
* 3.82964	43.78	PK-U	33.3	-29.1	0	47.98	-	-	74	-26.02	-	-	55	106	H
* 3.83	35.45	ADR	33.3	-29.1	.09	39.74	54	-14.26	-	-	-	-	55	106	H
* 3.83004	41.83	PK-U	33.3	-29.1	0	46.03	-	-	74	-27.97	-	-	330	106	V
* 3.83004	31.35	ADR	33.3	-29.1	.09	35.64	54	-18.36	-	-	-	-	330	106	V

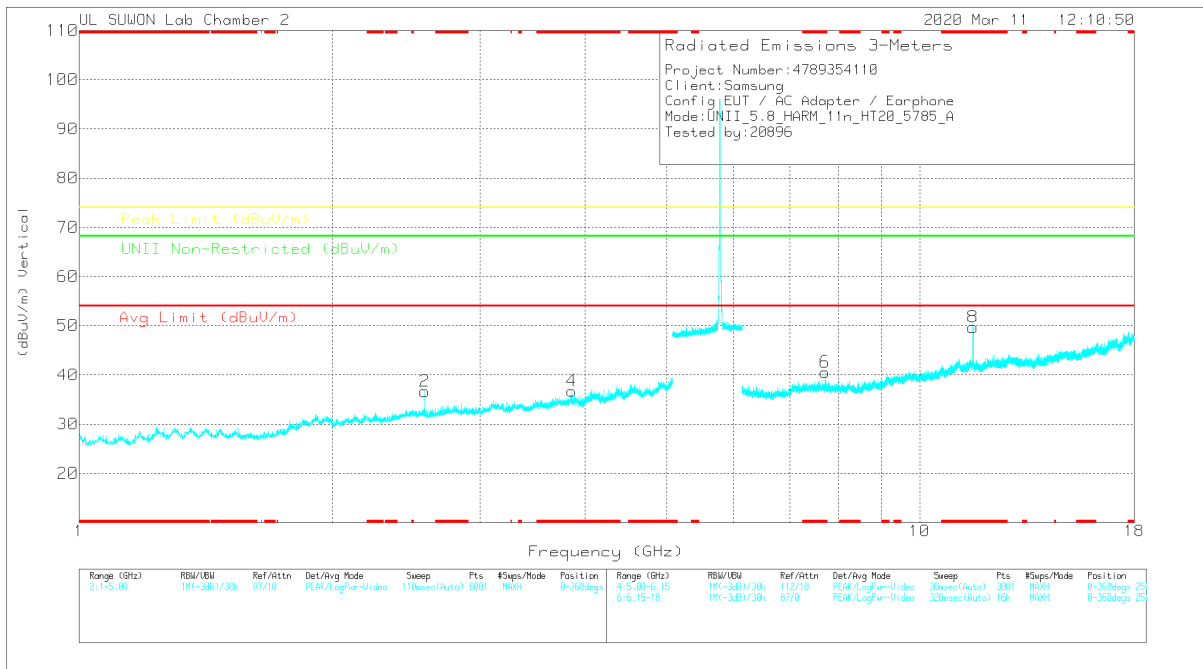
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	5GHz_HF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (m)	Polarity
* 7.65988	38.34	PK-U	36	-24.2	0	50.14	-	-	74	-23.86	-	-	109	116	H
* 7.65894	30.2	ADR	36	-24.2	.09	42.09	54	-11.91	-	-	-	-	109	116	H
* 7.66014	37.43	PK-U	36	-24.2	0	49.23	-	-	74	-24.77	-	-	331	250	V
* 7.65894	29.91	ADR	36	-24.2	.09	41.8	54	-12.2	-	-	-	-	331	250	V
* 11.49022	40.51	PK-U	38.3	-19.7	0	59.11	-	-	74	-14.89	-	-	82	326	H
* 11.49014	28.52	ADR	38.3	-19.7	.09	47.21	54	-6.79	-	-	-	-	82	326	H
* 11.49062	43.08	PK-U	38.3	-19.7	0	61.68	-	-	74	-12.32	-	-	31	100	V
* 11.49002	30.76	ADR	38.3	-19.7	.09	49.45	54	-4.55	-	-	-	-	31	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	3117_00168724	5GHz_LF1(B)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.57556	32.57	PK	32	-30.2	0	34.37	-	-	-	-	68.2	-33.83	0-360	250	H
2	2.57556	34.86	PK	32	-30.2	0	36.66	-	-	-	-	68.2	-31.54	0-360	150	V
3	* 3.85668	33.4	PK	33.3	-28.9	0	37.8	-	-	74	-	-	-	0-360	150	H
4	* 3.85668	32.33	PK	33.3	-28.9	0	36.73	-	-	74	-	-	-37.27	0-360	250	V

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	3117_00168724	5GHz_HF1(B)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 7.71336	28.51	PK	36	-23.7	0	40.81	-	-	74	-33.19	-	-	0-360	150	H
6	* 7.71336	28.26	PK	36	-23.7	0	40.56	-	-	74	-33.44	-	-	0-360	150	V
7	* 11.5703	29.43	PK	38.4	-19.7	0	48.13	-	-	74	-25.87	-	-	0-360	150	H
8	* 11.57178	31.01	PK	38.4	-19.7	0	49.71	-	-	74	-24.29	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

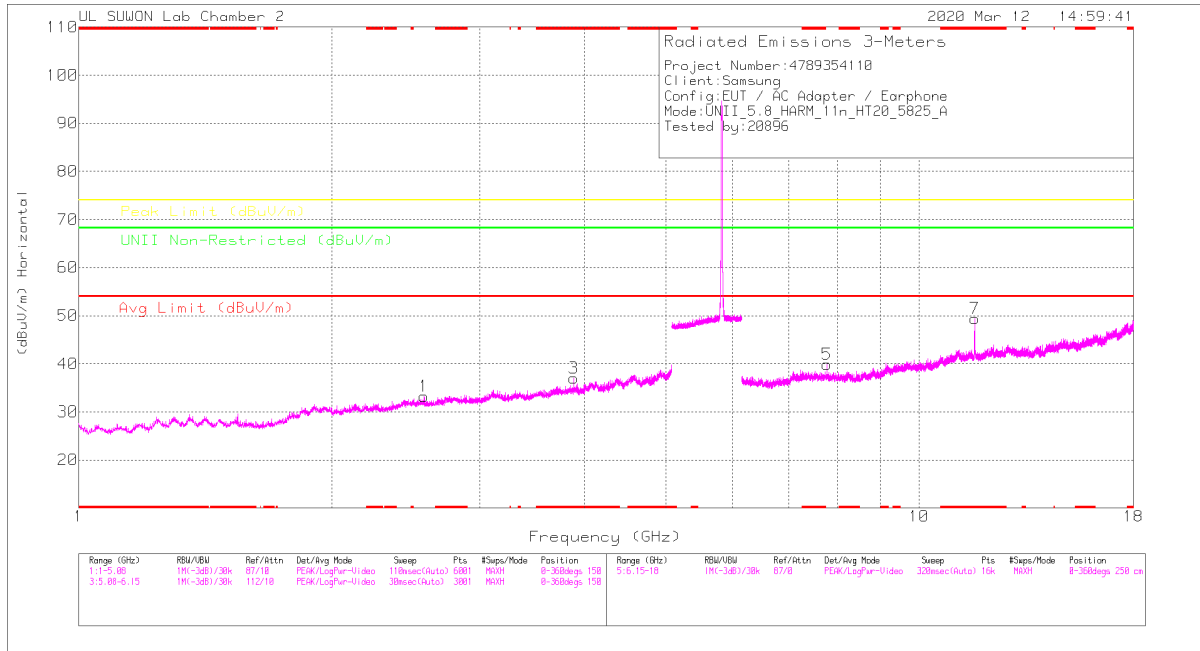
Radiated Emissions

Frequency (GHz)	Mask Reading (dBuV)	Det	3117_00168724	5GHz_LF1(B)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.57544	42.83	PK-U	32	-30.2	0	44.73	-	-	-	-	68.2	-23.47	308	325	H
2.57588	42.04	PK-U	32	-30.2	0	43.84	-	-	-	-	68.2	-24.36	11	108	V
* 3.8564	42.63	PK-U	33.3	-28.9	0	47.03	-	-	74	-26.97	-	-	64	104	H
* 3.85668	33.99	ADR	33.3	-28.9	.09	38.48	54	-15.52	-	-	-	-	64	104	H
* 3.85112	41.67	PK-U	33.3	-29	0	45.97	-	-	74	-28.03	-	-	298	104	V
* 3.85664	30.97	ADR	33.3	-28.9	.09	35.46	54	-18.54	-	-	-	-	298	104	V

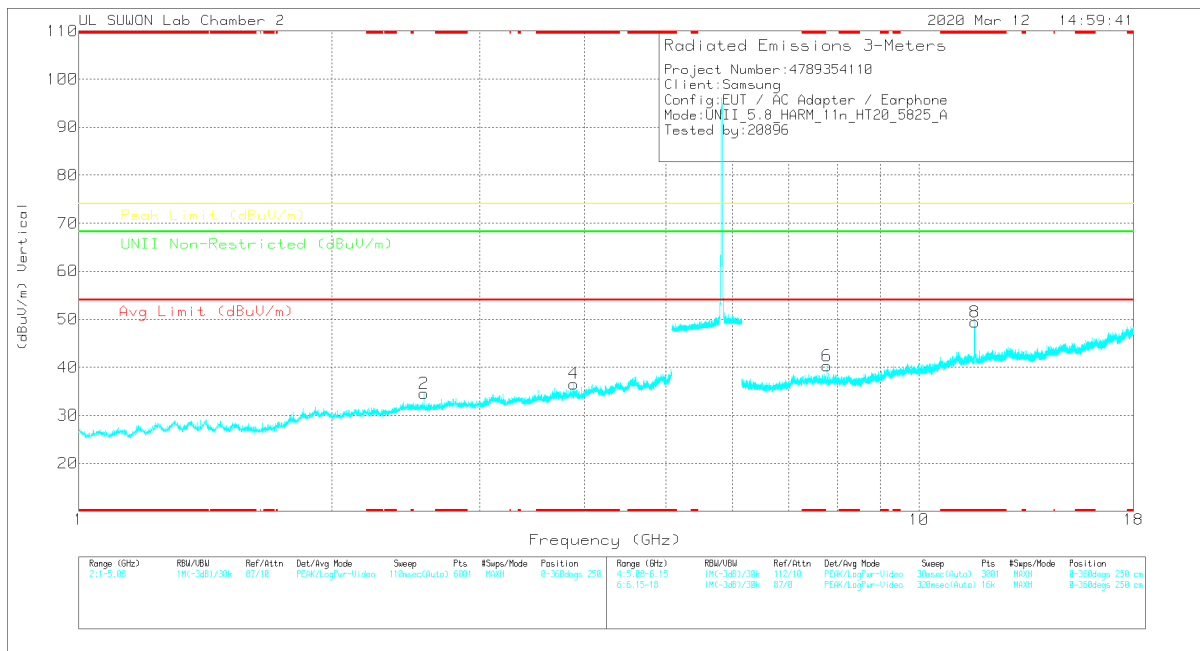
Frequency (GHz)	Mask Reading (dBuV)	Det	3117_00168724	5GHz_HF1(B)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.71308	37.12	PK-U	36	-23.7	0	49.42	-	-	74	-24.58	-	-	78	118	H
* 7.71332	28.39	ADR	36	-23.7	.09	40.78	54	-13.22	-	-	-	-	78	118	H
* 7.71324	37.51	PK-U	36	-23.7	0	49.81	-	-	74	-24.19	-	-	338	100	V
* 7.71332	28.32	ADR	36	-23.7	.09	40.71	54	-13.29	-	-	-	-	338	100	V
* 11.57068	41.43	PK-U	38.4	-19.7	0	60.13	-	-	74	-13.87	-	-	86	330	H
* 11.56998	28.8	ADR	38.4	-19.7	.09	47.59	54	-6.41	-	-	-	-	86	330	H
* 11.57062	42.46	PK-U	38.4	-19.7	0	61.16	-	-	74	-12.84	-	-	61	212	V
* 11.5701	30.26	ADR	38.4	-19.7	.09	49.05	54	-4.95	-	-	-	-	61	212	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	317_00168724	5GHz_LF1(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limt (dBuV/m)	Margin (dB)	Peak Limt (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Asmuth (Deg)	Height (cm)	Polarity
1	2.57556	31.45	PK	32	-30.2	0	33.25	-	-	-	-	68.2	-34.95	0-360	250	H
3	* 3.8832	32.56	PK	33.3	-28.8	0	37.06	-	-	74	-36.94	-	-	0-360	250	H
2	2.57556	32.71	PK	32	-30.2	0	34.51	-	-	-	-	68.2	-33.69	0-360	150	V
4	* 3.8832	32.08	PK	33.3	-28.8	0	36.58	-	-	74	-37.42	-	-	0-360	250	V

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	317_00168724	5GHz_HF1(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limt (dBuV/m)	Margin (dB)	Peak Limt (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Asmuth (Deg)	Height (cm)	Polarity
5	7.76594	27.5	PK	36	-23.6	0	39.9	-	-	-	-	68.2	-28.3	0-360	150	H
7	* 11.64954	30.61	PK	38.4	-19.8	0	49.41	-	-	74	-24.59	-	-	0-360	150	H
6	7.76594	27.85	PK	36	-23.6	0	40.25	-	-	-	-	68.2	-27.95	0-360	250	V
8	* 11.6488	30.76	PK	38.4	-19.8	0	49.96	-	-	74	-24.64	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Marker Reading (dBuV)	Det	317_00168724	5GHz_LF1(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limt (dBuV/m)	Margin (dB)	Peak Limt (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Asmuth (Deg)	Height (cm)	Polarity
2.5758	41.73	PK-U	32	-30.2	0	43.53	-	-	-	-	68.2	-24.67	301	314	H
2.57548	42	PK-U	32	-30.2	0	43.8	-	-	-	-	68.2	-24.4	13	146	V
* 3.88344	42.76	PK-U	33.3	-28.8	0	47.26	-	-	74	-26.74	-	-	63	100	H
* 3.88332	34.31	ADR	33.3	-28.8	.09	36.9	54	-15.1	-	-	-	-	63	100	H
* 3.8832	42.29	PK-U	33.3	-28.8	0	46.79	-	-	74	-27.21	-	-	324	101	V
* 3.8834	30.86	ADR	33.3	-28.8	.09	35.45	54	-18.55	-	-	-	-	324	101	V

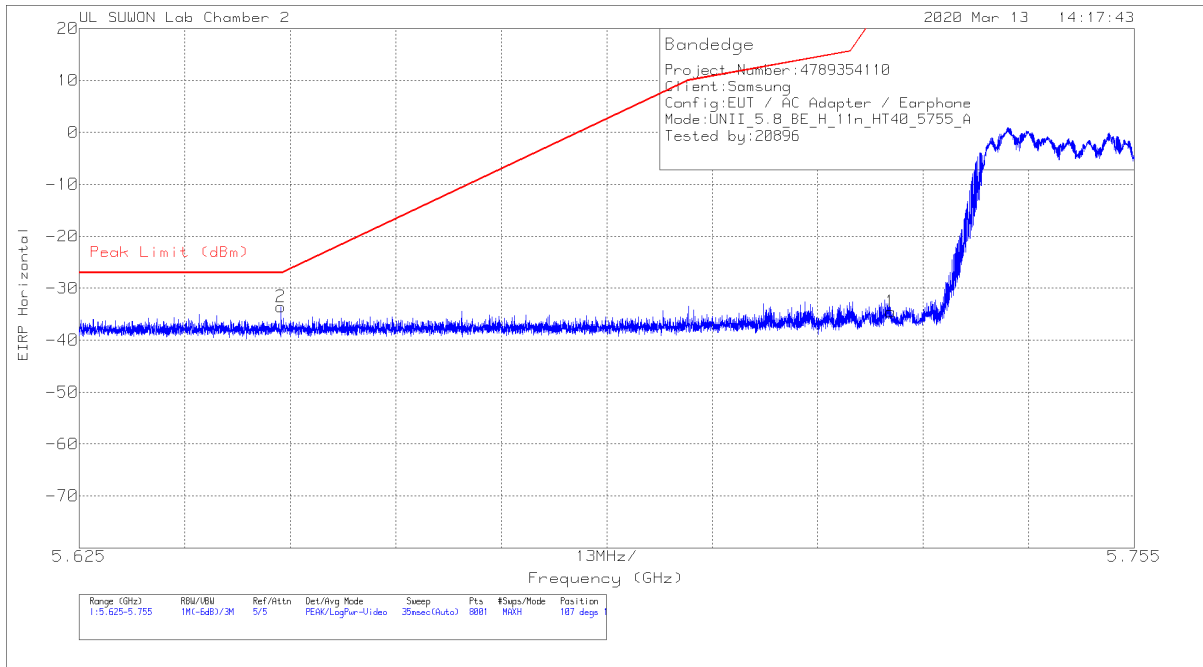
Frequency (GHz)	Marker Reading (dBuV)	Det	317_00168724	5GHz_HF1(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limt (dBuV/m)	Margin (dB)	Peak Limt (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Asmuth (Deg)	Height (cm)	Polarity
7.76664	37.26	PK-U	36	-23.6	0	49.66	-	-	-	-	68.2	-18.54	108	138	H
7.8677	36.29	PK-U	35.9	-24.3	0	47.89	-	-	-	-	68.2	-20.31	341	102	V
* 11.64144	41.56	PK-U	38.4	-19.8	0	50.36	-	-	74	-13.64	-	-	348	180	H
* 11.64992	30.31	ADR	38.4	-19.8	.09	49	54	-5	-	-	-	-	349	190	H
* 11.65208	41.6	PK-U	38.4	-19.8	0	50.2	-	-	74	-13.8	-	-	46	101	V
* 11.64996	30.13	ADR	38.4	-19.8	.09	48.82	54	-5.18	-	-	-	-	46	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

11.4.3. TX ABOVE 1GHz 802.11n HT40 2Tx MODE IN THE 5.8GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK DATA

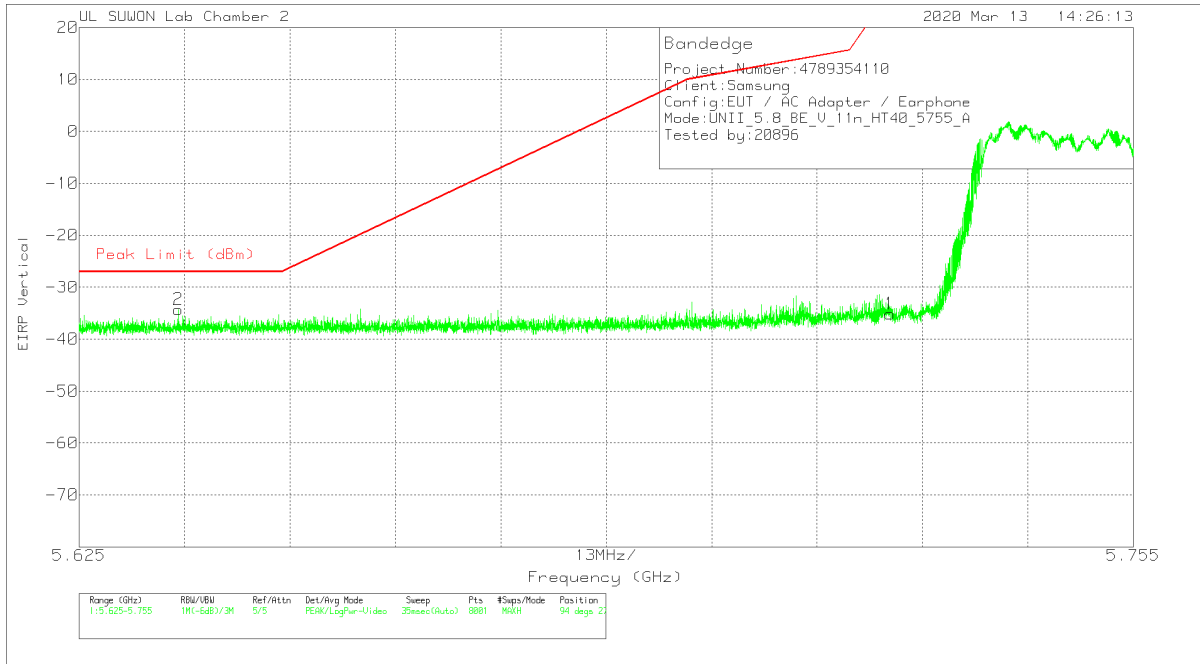


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[0 0168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-63.33	Pk		-17.5	11.8	0	-34.53	26.97	-61.5	107	141	H
2	5.64986	-62.05	Pk		-17.7	11.8	0	-33.55	-27	-6.55	107	141	H

Pk - Peak detector

VERTICAL PEAK DATA



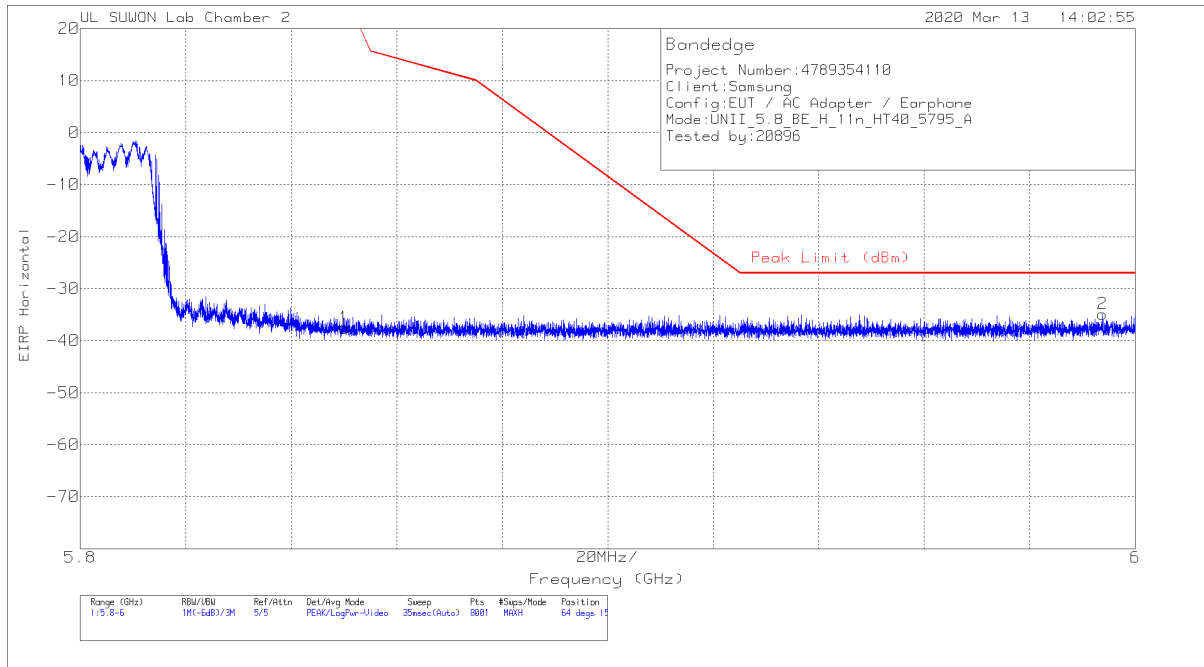
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[0 0168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-63.94	Pk	34.5	-17.5	11.8	0	-35.14	26.97	-62.11	94	273	V
2	5.63724	-62.77	Pk	34.4	-17.7	11.8	0	-34.27	-27	-7.27	94	273	V

Pk - Peak detector

BADEDGE (HIGH CHANNEL)

HORIZONTAL PEAK DATA

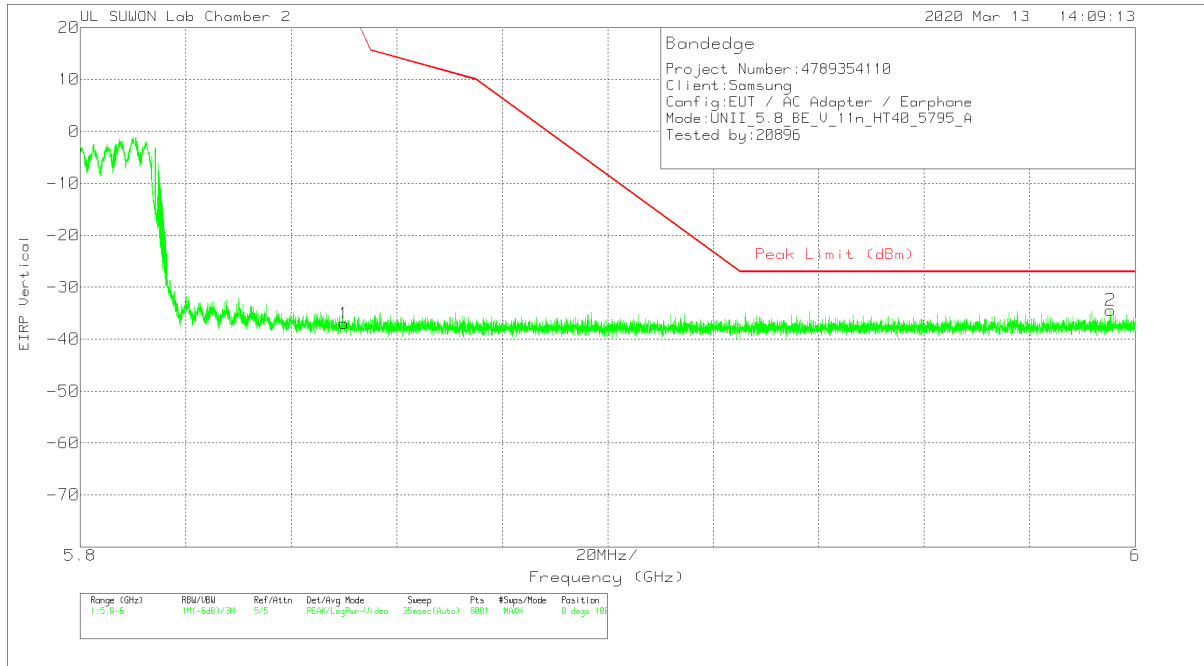


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[0 0168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-66.5	Pk		-17.3	11.8	0	-37.5	26.94	-64.44	64	154	H
2	5.99383	-64.16	Pk		-17.3	11.8	0	-34.86	-27	-7.86	64	154	H

Pk - Peak detector

VERTICAL PEAK DATA



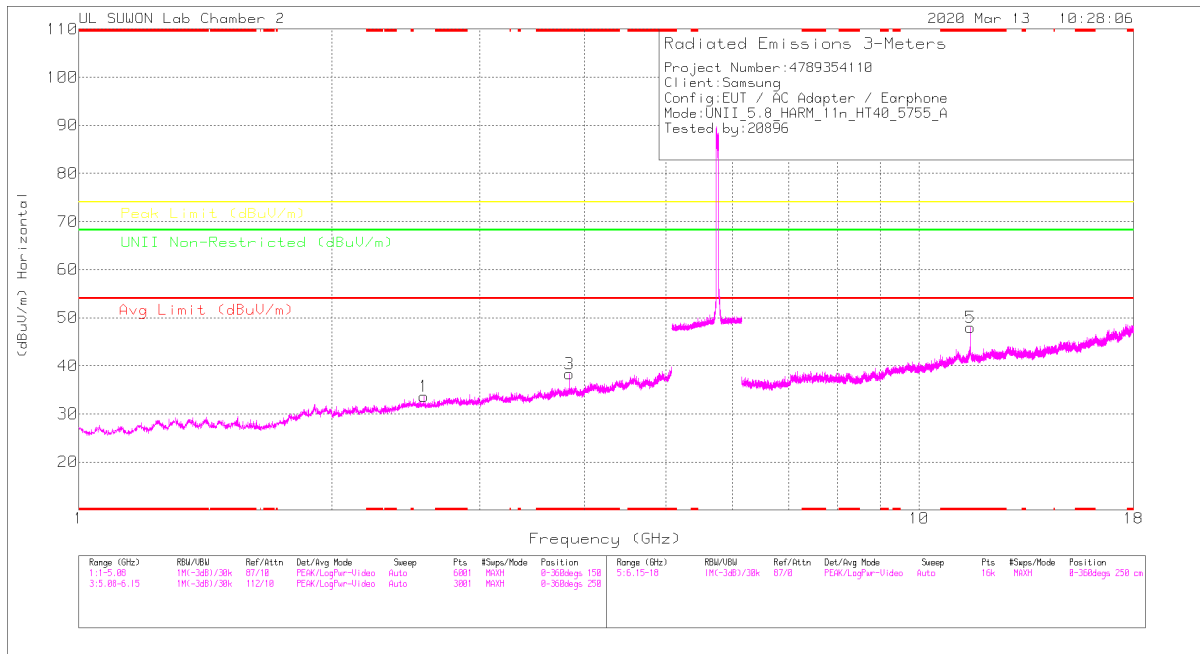
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[0 0168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-66	Pk	34.5	-17.3	11.8	0	-37	26.94	-63.94	0	100	V
2	5.99528	-63.72	Pk	34.8	-17.3	11.8	0	-34.42	-27	-7.42	0	100	V

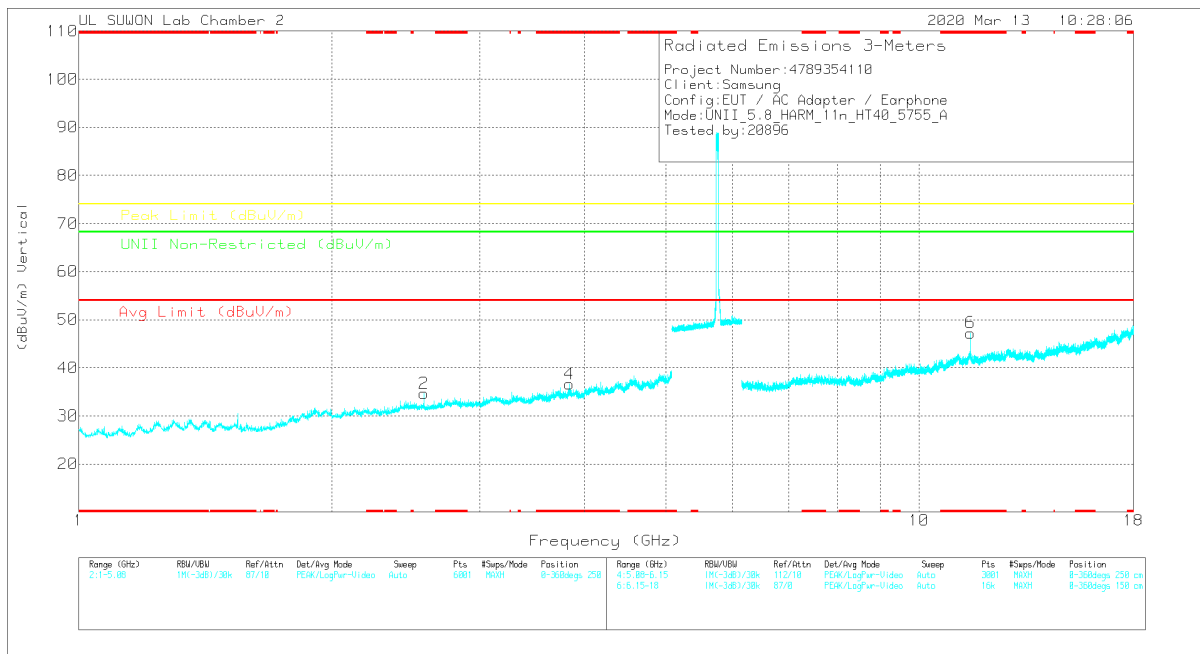
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	3117_00168724	5GHz_LF5(B)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.57556	31.83	PK	32	-30.2	0	33.63	-	-	-	-	68.2	-34.57	0-360	250	H
3	* 3.83696	33.99	PK	33.3	-29	0	36.29	-	-	74	-35.71	-	-	0-360	250	H
2	2.57556	32.86	PK	32	-30.2	0	34.66	-	-	-	-	68.2	-33.54	0-360	150	V
4	* 3.83696	32.3	PK	33.3	-29	0	36.6	-	-	74	-37.4	-	-	0-360	150	V

Marker	Frequency (GHz)	Mask Reading (dBuV)	Det	3117_00168724	5GHz_HF5(B)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 11.50957	29.24	PK	38.3	-19.5	0	48.04	-	-	74	-25.96	-	-	0-360	150	H
6	* 11.51031	28.57	PK	38.3	-19.6	0	47.27	-	-	74	-26.73	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

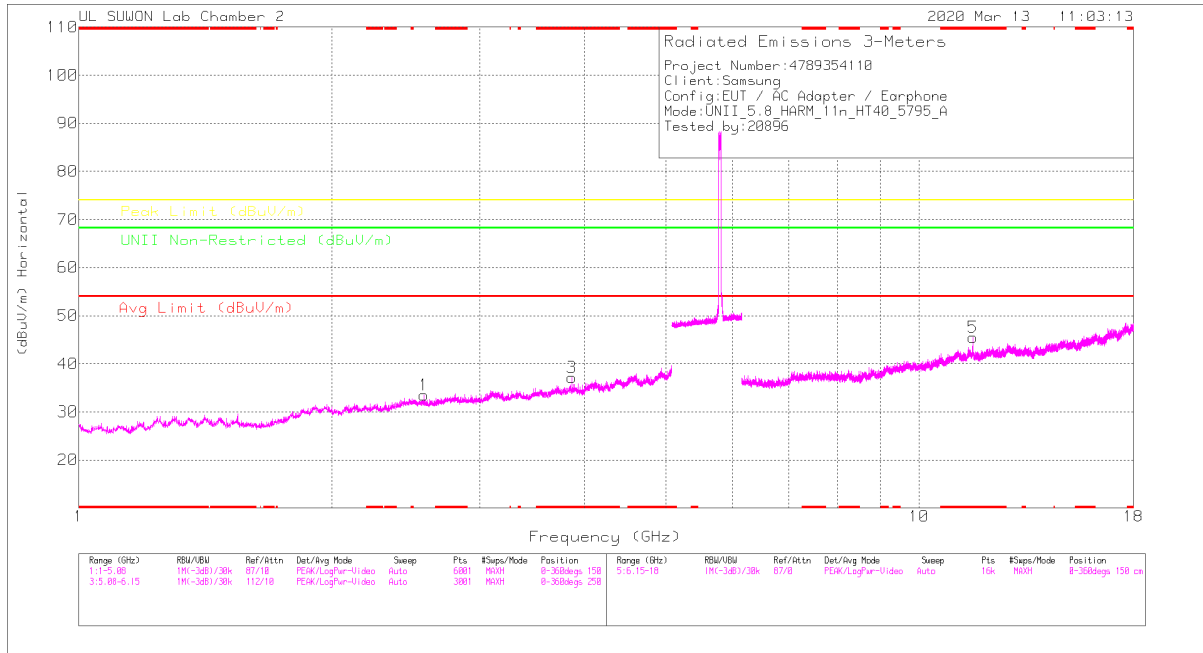
Radiated Emissions

Frequency (GHz)	Mask Reading (dBuV)	Det	3117_00168724	5GHz_LF5(B)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.57416	40.92	PK-U	32	-30.1	0	41.92	-	-	-	-	68.2	-26.28	82	100	H
2.57564	42.4	PK-U	32	-30.2	0	44.2	-	-	-	-	68.2	-24	8	111	V
* 3.83676	43.43	PK-U	33.3	-29	0	47.73	-	-	74	-26.27	-	-	53	100	H
* 3.83664	35.43	ADR	33.3	-29	.2	39.93	54	-14.07	-	-	-	-	53	100	H
* 3.8368	42.5	PK-U	33.3	-29	0	46.8	-	-	74	-27.2	-	-	77	171	V
* 3.83672	33.56	ADR	33.3	-29	.2	38.06	54	-15.94	-	-	-	-	77	171	V

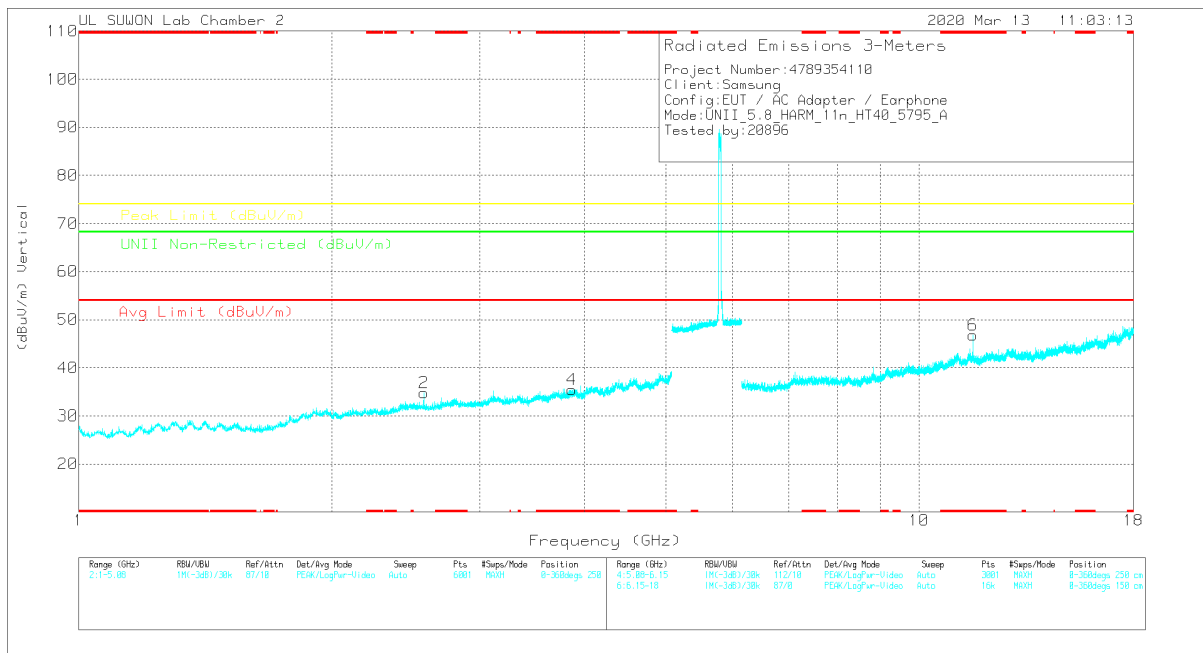
Frequency (GHz)	Mask Reading (dBuV)	Det	3117_00168724	5GHz_HF5(B)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.50988	37.18	PK-U	38.3	-19.5	0	55.98	-	-	74	-18.02	-	-	84	338	H
* 11.51004	26.89	ADR	38.3	-19.6	2	45.79	54	-8.21	-	-	-	-	84	338	H
* 11.5097	39.54	PK-U	38.3	-19.5	0	58.34	-	-	74	-15.66	-	-	358	388	V
* 11.5099	27.53	ADR	38.3	-19.5	.2	46.53	54	-7.47	-	-	-	-	358	388	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	5GHz_LF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limt (dBuV/m)	Margin (dB)	Peak Limt (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.57566	31.72	PK	32	-30.2	0	33.52	-	-	-	-	68.2	-34.68	0-360	250	H
3	* 3.86348	32.75	PK	33.3	-28.9	0	37.15	-	-	74	-36.85	-	-	0-360	250	H
2	2.57566	33.03	PK	32	-30.2	0	34.83	-	-	-	-	68.2	-33.37	0-360	150	V
4	* 3.8662	30.93	PK	33.3	-28.8	0	35.43	-	-	74	-38.57	-	-	0-360	250	V

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limt (dBuV/m)	Margin (dB)	Peak Limt (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
5	* 11.58955	27.06	PK	38.4	-19.9	0	45.56	-	-	74	-28.44	-	-	0-360	150	H
6	* 11.59029	28.26	PK	38.4	-19.9	0	46.78	-	-	74	-27.22	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	5GHz_LF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limt (dBuV/m)	Margin (dB)	Peak Limt (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
2.59	40.89	PK-U	32	-30.4	0	42.29	-	-	-	-	68.2	-25.91	104	120	H
2.57568	42.45	PK-U	32	-30.2	0	44.25	-	-	-	-	68.2	-23.95	11	137	V
* 3.86344	42.22	PK-U	33.3	-28.9	0	46.62	-	-	74	-27.38	-	-	60	101	H
* 3.86332	33.18	ADR	33.3	-28.9	2	37.78	54	-16.22	-	-	-	-	60	101	H
* 3.86326	41.78	PK-U	33.3	-28.9	0	46.18	-	-	74	-27.82	-	-	15	142	V
* 3.86332	32.04	ADR	33.3	-28.9	2	36.64	54	-17.36	-	-	-	-	15	142	V

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limt (dBuV/m)	Margin (dB)	Peak Limt (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 11.58984	38.89	PK-U	38.4	-19.9	0	57.39	-	-	74	-16.61	-	-	4	161	H
* 11.59	27.22	ADR	38.4	-19.9	2	45.92	54	-8.08	-	-	-	-	4	161	H
* 11.58994	39.74	PK-U	38.4	-19.9	0	58.24	-	-	74	-15.76	-	-	358	390	V
* 11.59	28.15	ADR	38.4	-19.9	2	46.85	54	-7.15	-	-	-	-	358	390	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average