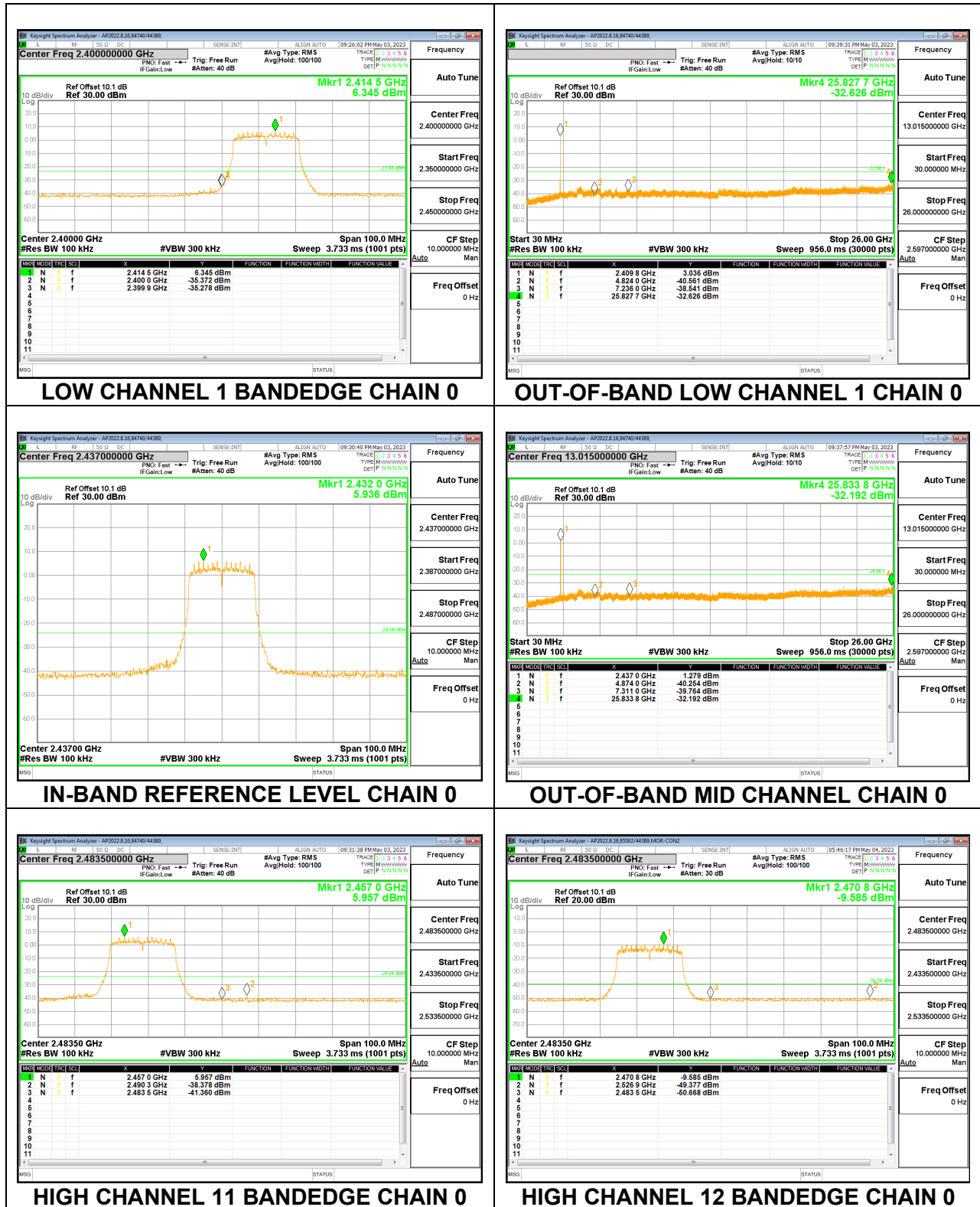
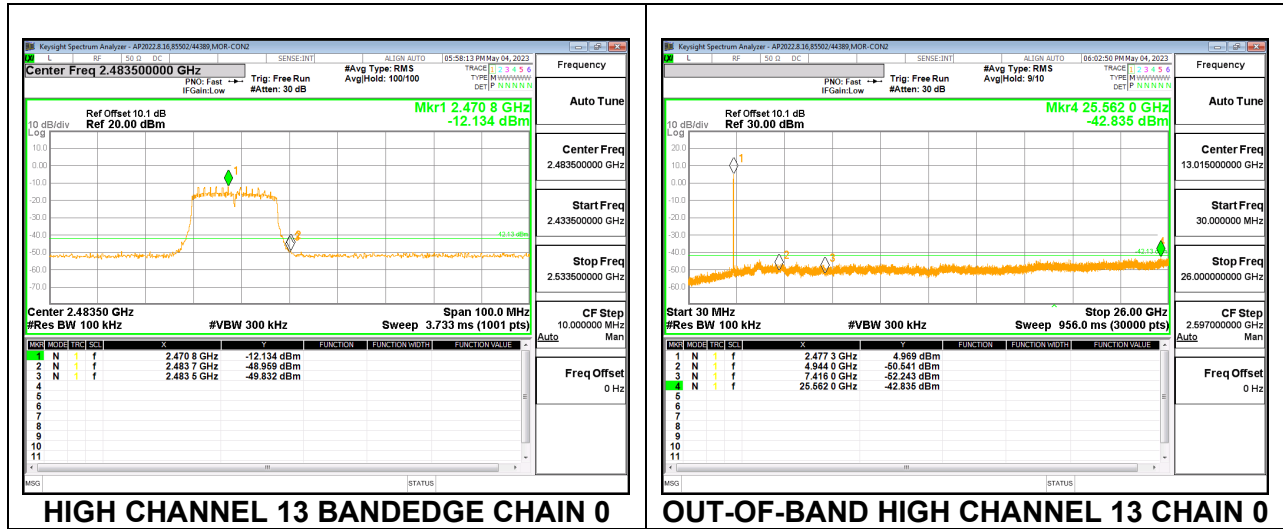
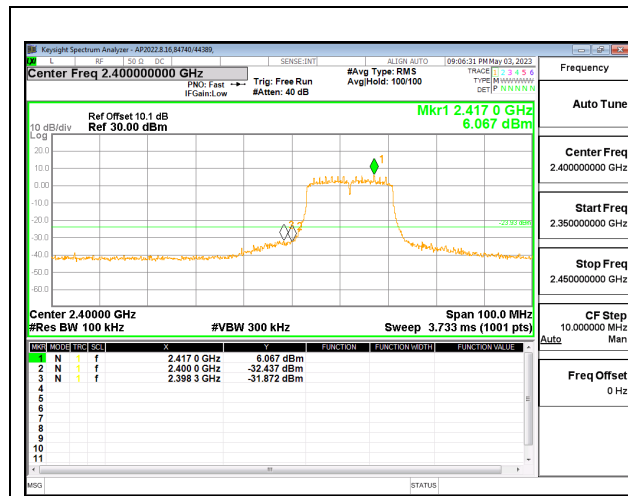


9.6.3. 802.11n HT20 MODE

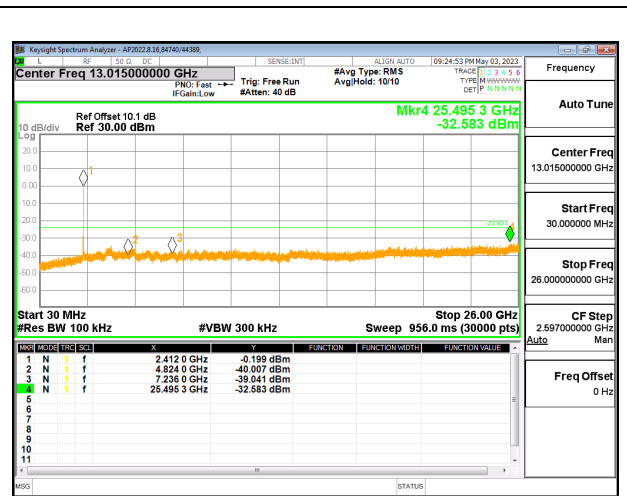
2TX Chain 0 + Chain 1 CDD MODE



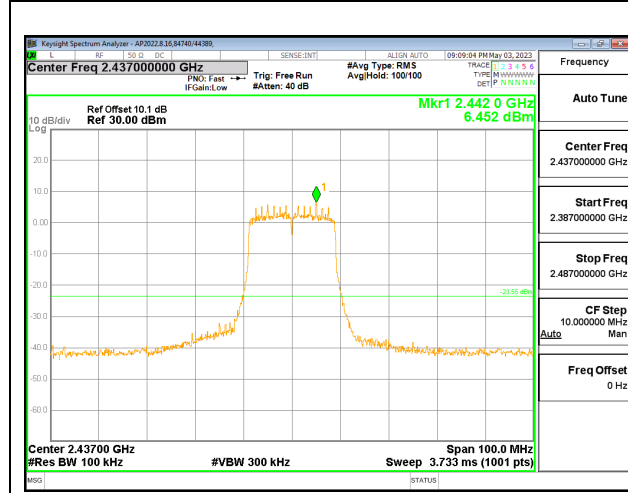




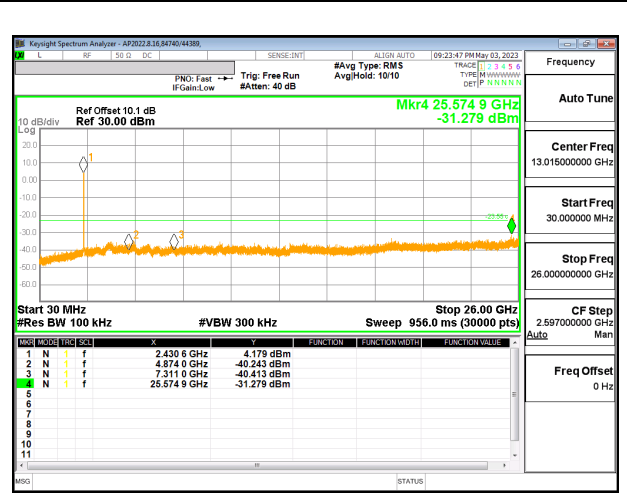
LOW CHANNEL 1 BANDEDGE CHAIN 1



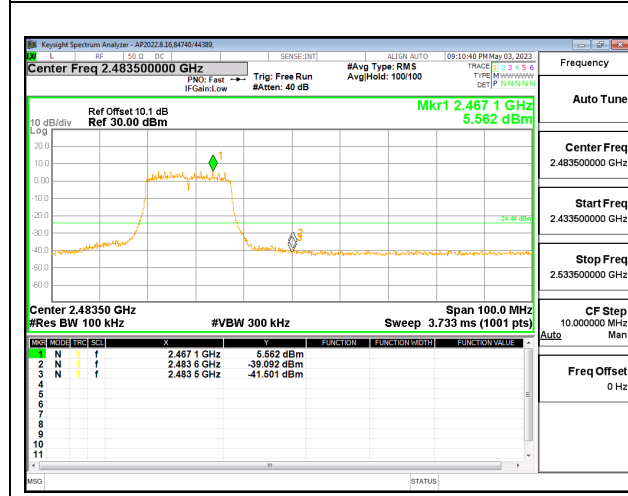
OUT-OF-BAND LOW CHANNEL 1 CHAIN 1



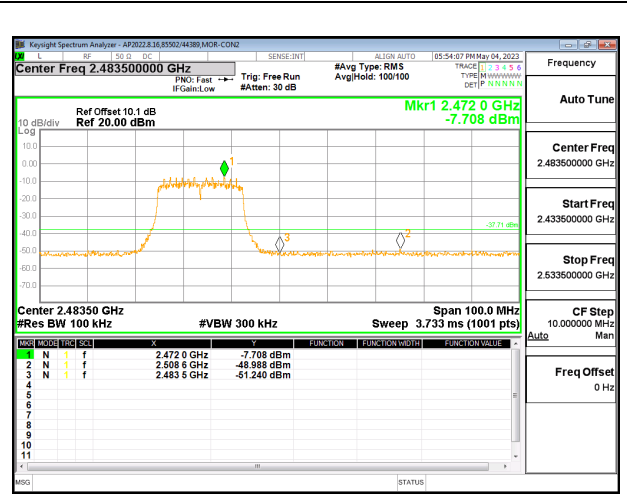
IN-BAND REFERENCE LEVEL CHAIN 1



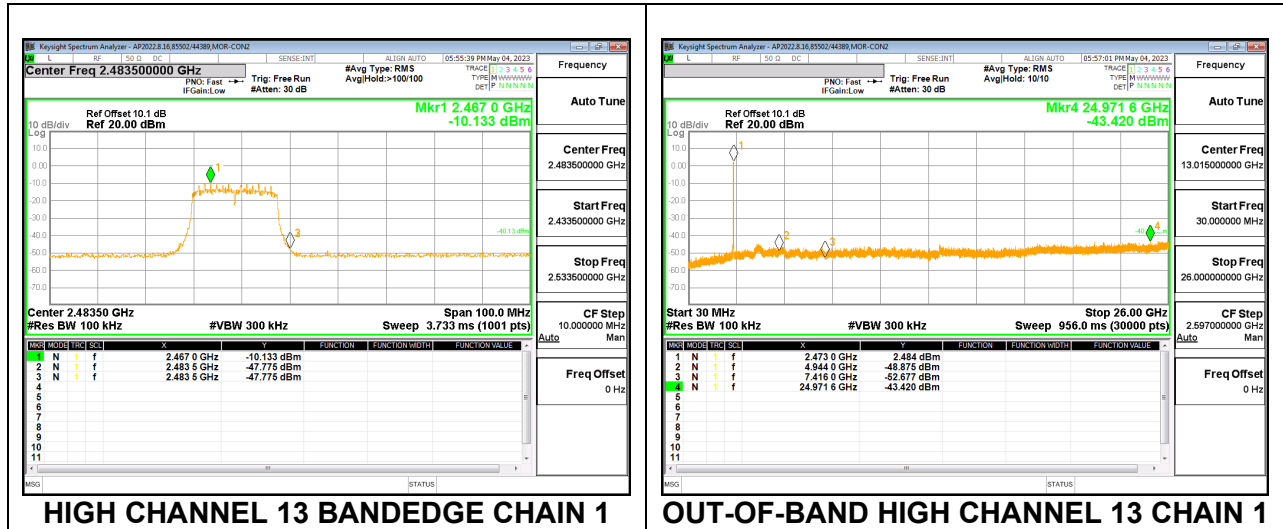
OUT-OF-BAND MID CHANNEL CHAIN 1



HIGH CHANNEL 11 BANDEDGE CHAIN 1



HIGH CHANNEL 12 BANDEDGE CHAIN 1



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209
RSS-GEN, Section 8.9 and 8.10

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement 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 in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for linear voltage averaging measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output and power spectral density was tested.

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.

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table), using the free space impedance of 377 Ohms. For example the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y - 51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

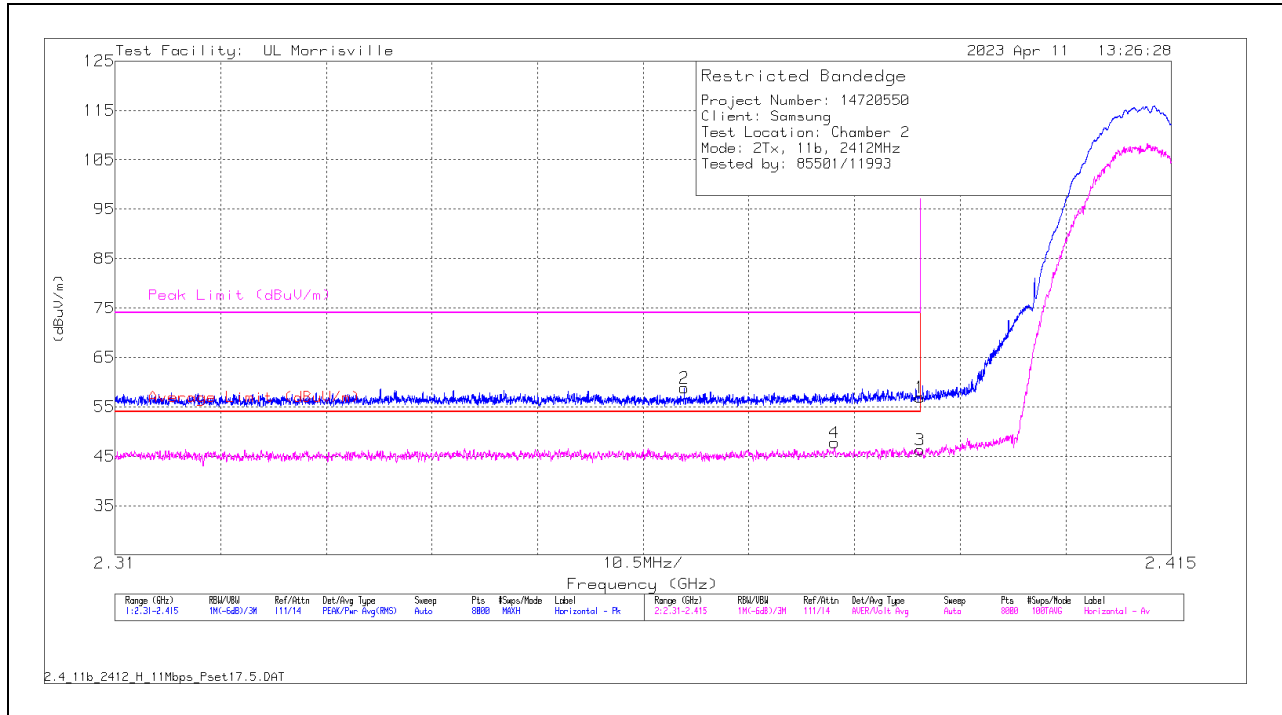
10.1. TRANSMITTER ABOVE 1 GHz

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

2TX Chain 0 + Chain 1 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	38.91	Pk	31.8	-23.8	10	0	56.91	-	-	74	-17.09	86	205	H
2	* ** 2.36658	41	Pk	31.9	-24.1	10	0	58.8	-	-	74	-15.2	86	205	H
3	* ** 2.39	27.34	ADV	31.8	-23.8	10	.96	46.3	54	-7.7	-	-	86	205	H
4	* ** 2.3815	28.83	ADV	31.9	-23.9	10	.96	47.79	54	-6.21	-	-	86	205	H

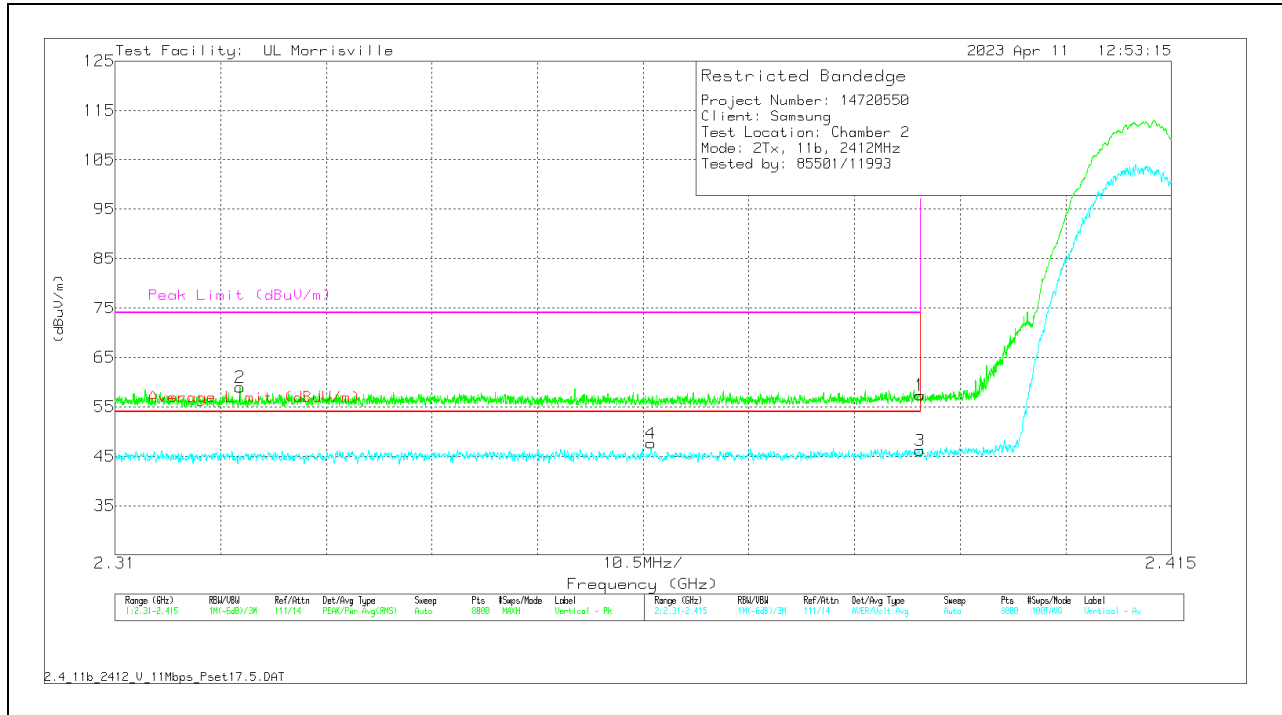
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

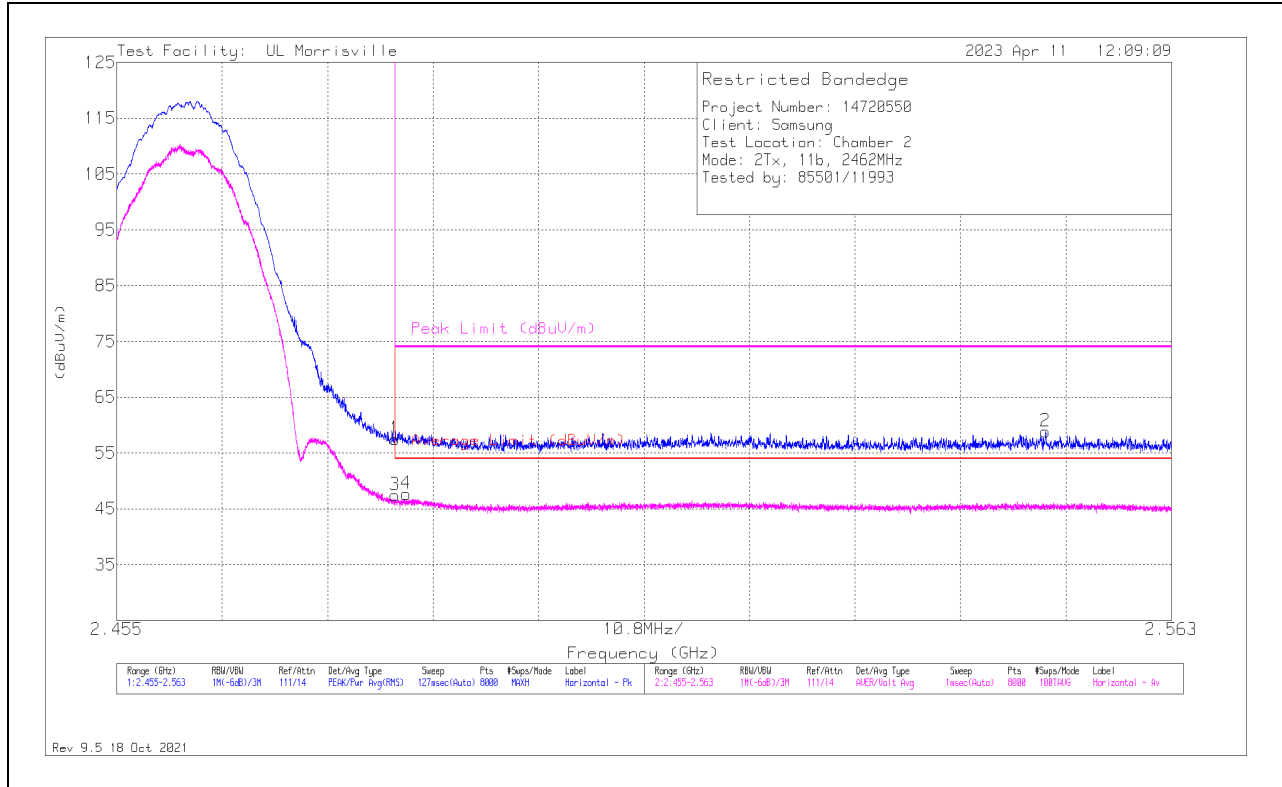


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	39.35	Pk	31.8	-23.8	10	0	57.35	-	-	74	-16.65	109	290	V
2	* ** 2.32241	41.07	Pk	31.9	-24	10	0	58.97	-	-	74	-15.03	109	290	V
3	* ** 2.39	27.21	ADV	31.8	-23.8	10	.96	46.17	54	-7.83	-	-	109	290	V
4	* ** 2.36324	28.88	ADV	31.9	-24.1	10	.96	47.64	54	-6.36	-	-	109	290	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 11)

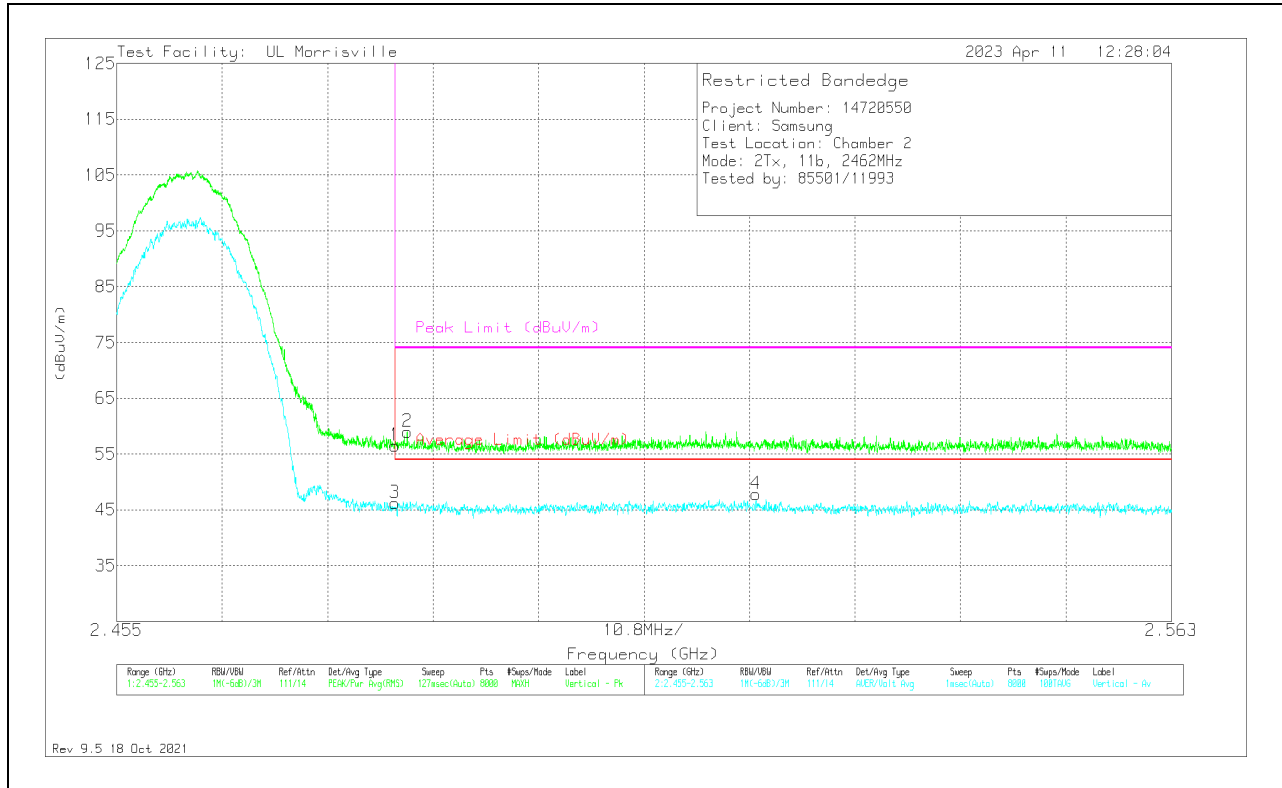
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	39.45	Pk	32.3	-24.3	10	0	57.45	-	-	74	-16.55	162	219	H
2	** 2.55012	41.1	Pk	32.4	-24.6	10	0	58.9	-	-	74	-15.1	162	219	H
3	*** 2.4835	28.52	ADV	32.3	-24.3	10	.96	47.48	54	-6.52	-	-	162	218	H
4	*** 2.48466	28.82	ADV	32.3	-24.4	10	.96	47.68	54	-6.32	-	-	162	218	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	38.46	Pk	32.3	-24.3	10	0	56.46	-	-	74	-17.54	177	363	V
2	*** 2.48474	41.13	Pk	32.3	-24.4	10	0	59.03	-	-	74	-14.97	177	363	V
3	*** 2.4835	27.2	ADV	32.3	-24.3	10	.96	46.16	54	-7.84	-	-	177	363	V
4	** 2.52044	28.94	ADV	32.5	-24.6	10	.96	47.8	54	-6.2	-	-	177	363	V

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

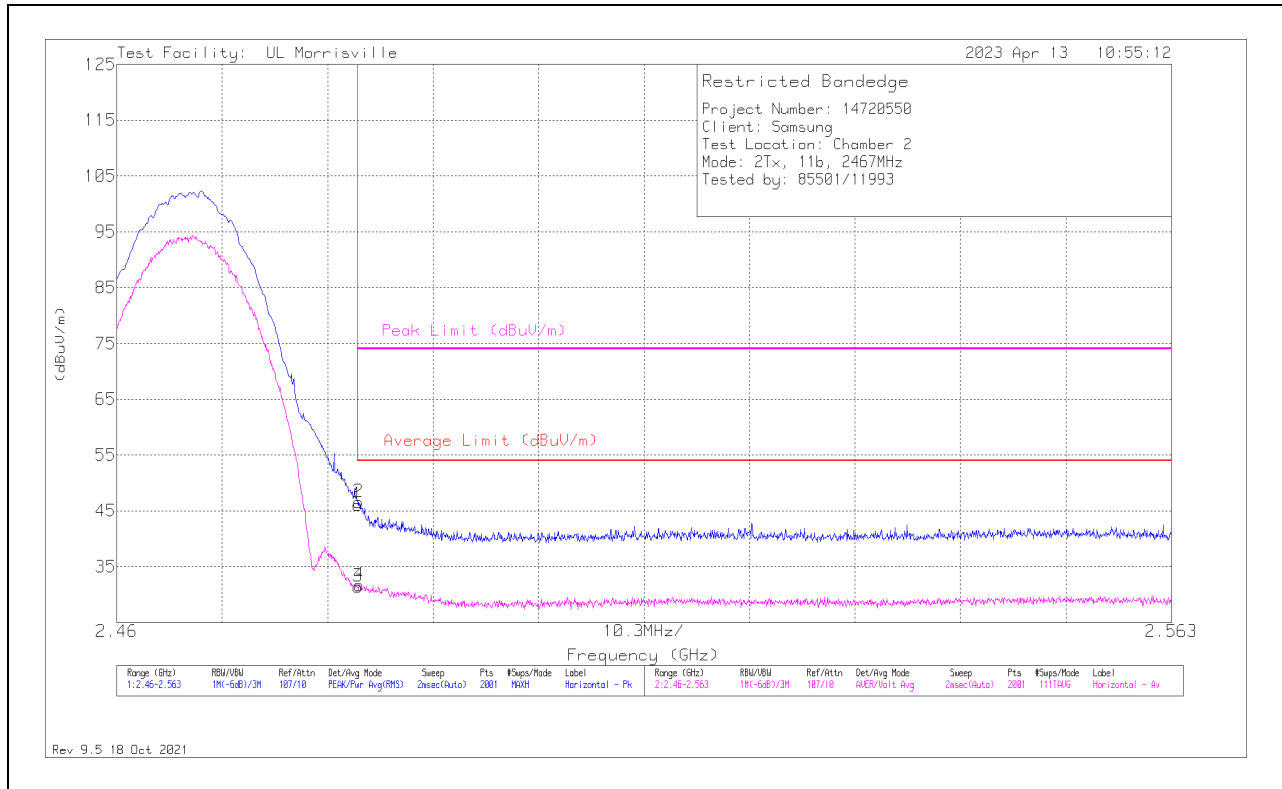
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 12)

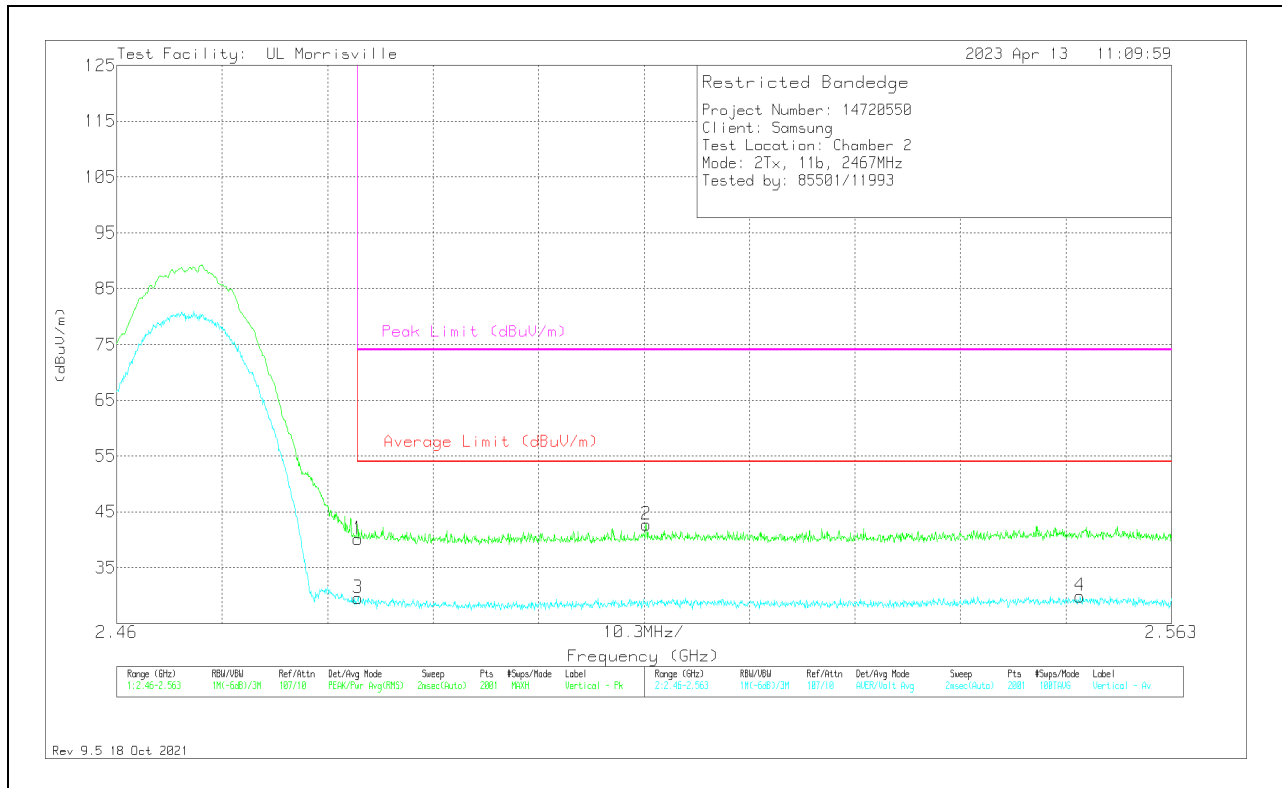
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	38.02	Pk	32.3	-24.3	0	46.02	-	-	74	-27.98	158	214	H
2	* ** 2.48364	38.56	Pk	32.3	-24.3	0	46.56	-	-	74	-27.44	158	214	H
3	* ** 2.48354	22.41	ADV	32.3	-24.3	.96	31.37	54	-22.63	-	-	158	214	H
4	* ** 2.48369	22.74	ADV	32.3	-24.3	.96	31.7	54	-22.3	-	-	158	214	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	32.1	Pk	32.3	-24.3	0	40.1	-	-	74	-33.9	355	141	V
2	** 2.51171	34.83	Pk	32.4	-24.5	0	42.73	-	-	74	-31.27	355	141	V
3	* ** 2.48354	20.59	ADV	32.3	-24.3	.96	29.55	54	-24.45	-	-	355	141	V
4	** 2.55409	21.11	ADV	32.4	-24.6	.96	29.87	54	-24.13	-	-	355	141	V

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

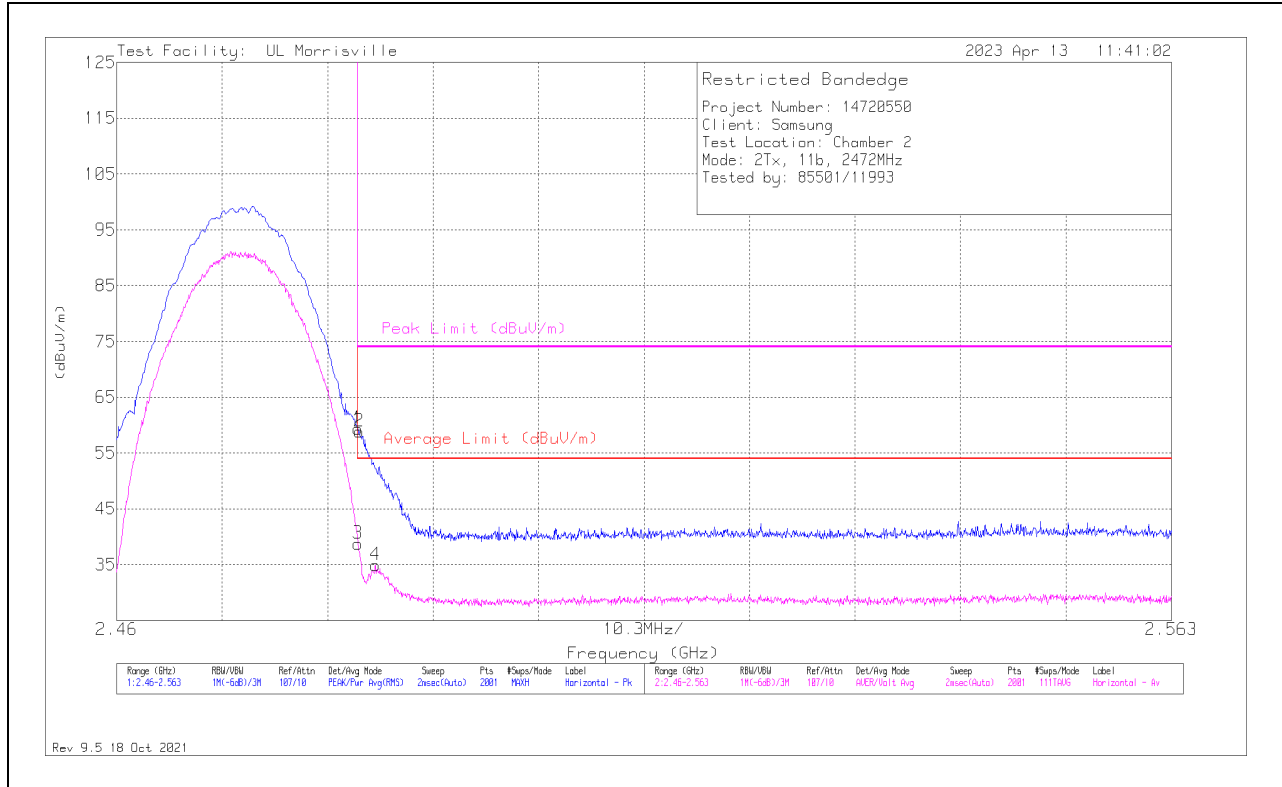
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	51.36	Pk	32.3	-24.3	0	59.36	-	-	74	-14.64	155	222	H
2	* ** 2.48369	50.82	Pk	32.3	-24.3	0	58.82	-	-	74	-15.18	155	222	H
3	* ** 2.48354	29.75	ADV	32.3	-24.3	.96	38.71	54	-15.29	-	-	155	221	H
4	* ** 2.48529	25.98	ADV	32.3	-24.4	.96	34.84	54	-19.16	-	-	155	221	H

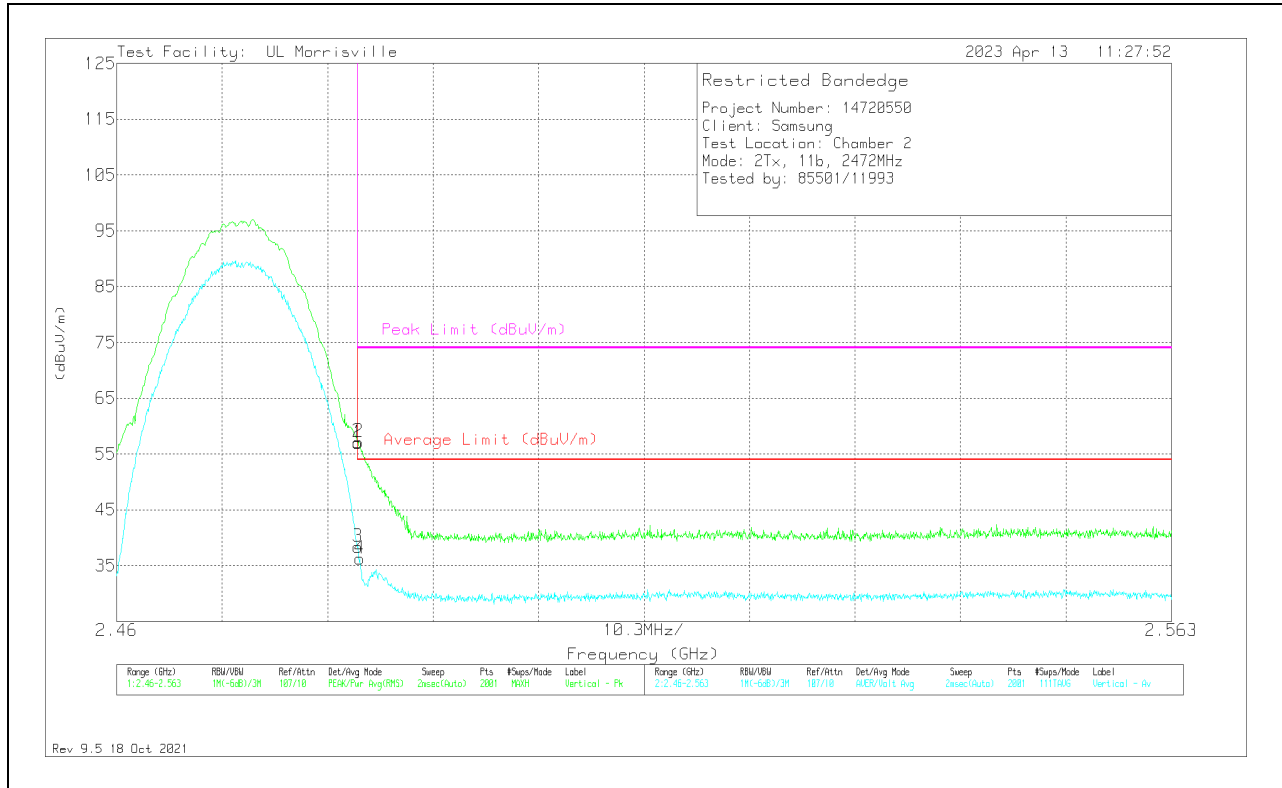
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV -Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	49.02	Pk	32.3	-24.3	0	57.02	-	-	74	-16.98	103	133	V
2	* ** 2.48359	49.18	Pk	32.3	-24.3	0	57.18	-	-	74	-16.82	103	133	V
3	* ** 2.48354	29.36	ADV	32.3	-24.3	.96	38.32	54	-15.68	-	-	103	133	V
4	* ** 2.48374	27.25	ADV	32.3	-24.3	.96	36.21	54	-17.79	-	-	103	133	V

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

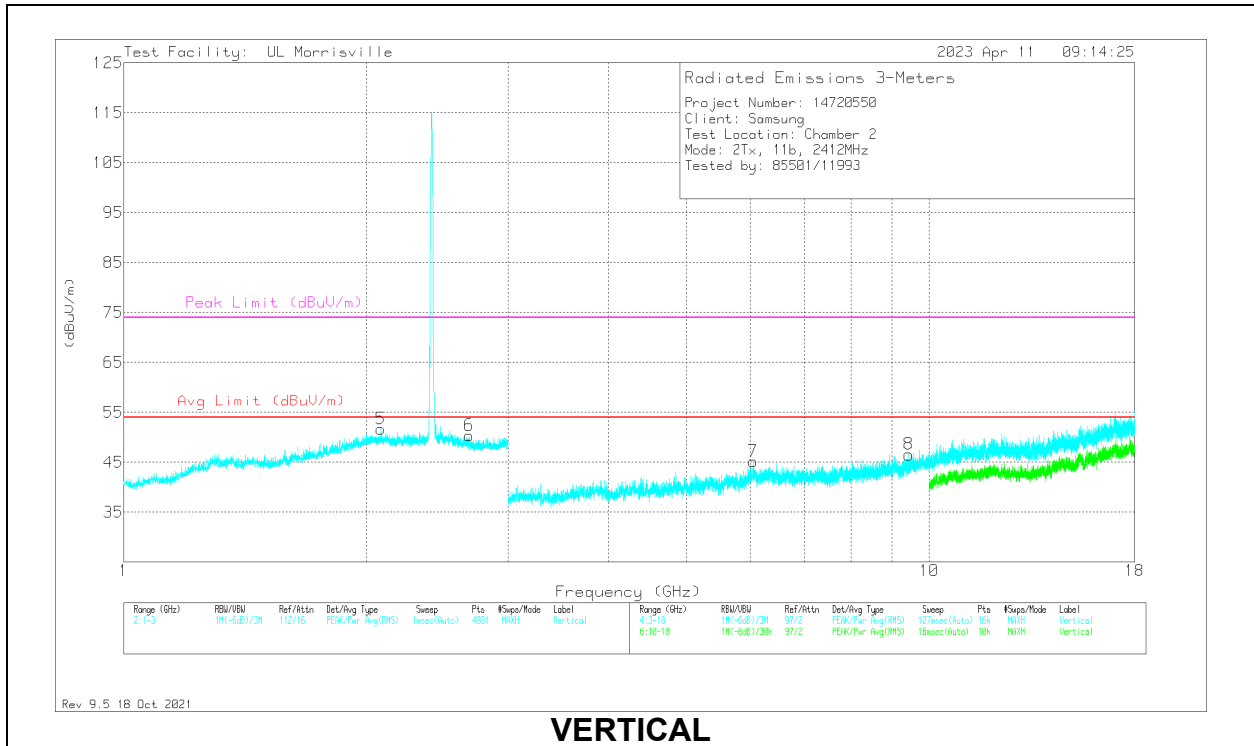
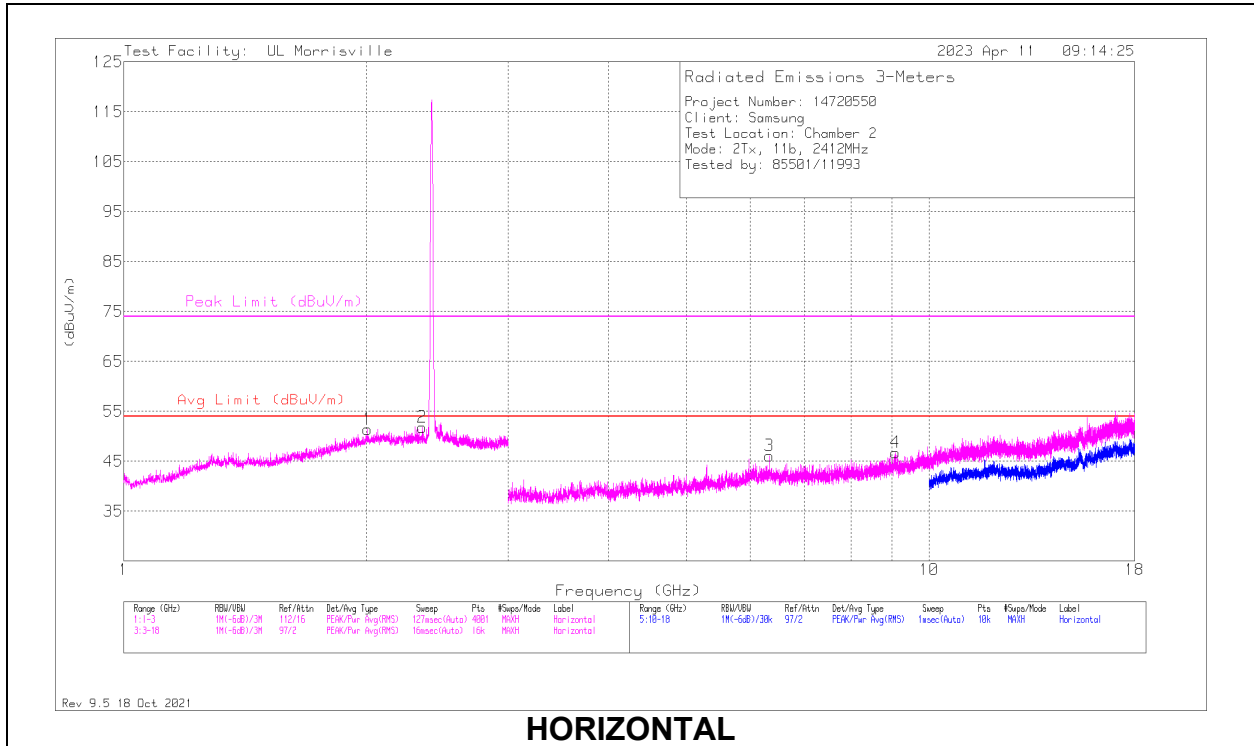
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*** 2.35064	42.39	PK2	31.9	-23.9	0	50.39	-	-	74	-23.61	96	245	H
	*** 2.35065	29.54	ADV	31.9	-23.9	.96	38.5	54	-15.5	-	-	96	245	H
6	*** 2.68269	43.12	PK2	32.2	-25.5	0	49.82	-	-	74	-24.18	183	248	V
	*** 2.68107	30.06	ADV	32.2	-25.5	.96	37.72	54	-16.28	-	-	183	248	V
4	*** 9.08625	35.88	Pk	36.2	-25.3	0	46.78	54	-7.22	74	-27.22	0-360	101	H
8	*** 9.44156	35.65	Pk	36.6	-25.7	0	46.55	54	-7.45	74	-27.45	0-360	200	V
1	2.007	42.3	Pk	31.4	-22.3	0	51.4	-	-	-	-	0-360	101	H
5	2.0845	42.85	Pk	31.7	-22.9	0	51.65	-	-	-	-	0-360	199	V
7	6.04313	37.74	Pk	35.2	-27.7	0	45.24	-	-	-	-	0-360	101	V
3	6.3375	37.95	Pk	35.5	-27.3	0	46.15	-	-	-	-	0-360	101	H

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

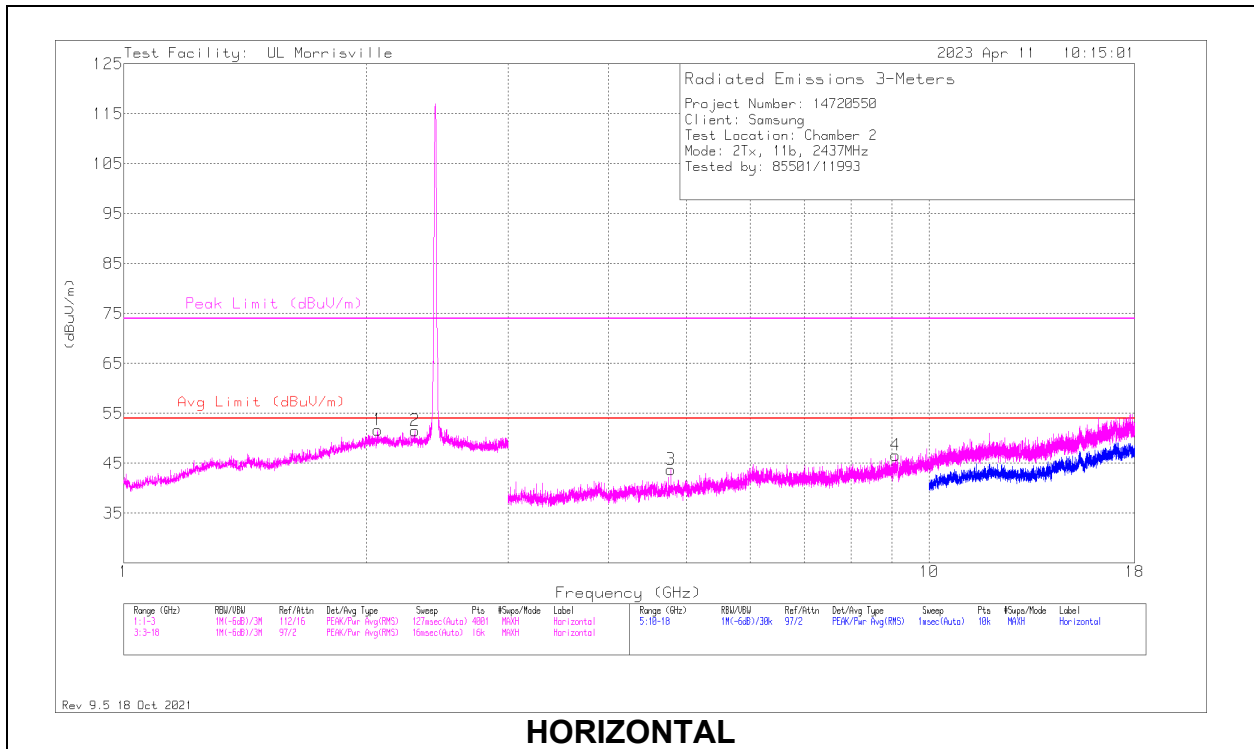
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

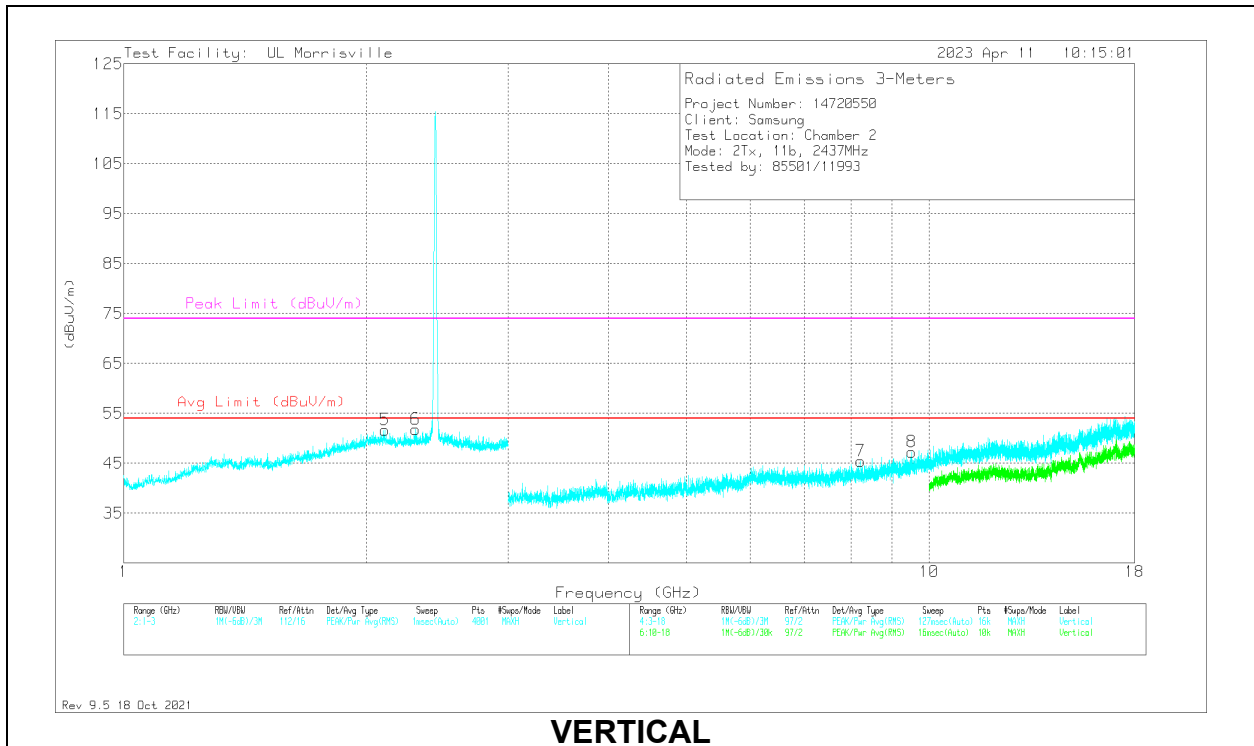
PK2 - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*** 2.29851	42.41	PK2	31.8	-23.4	0	50.81	-	-	74	-23.19	255	362	H
	*** 2.29903	29.16	ADV	31.8	-23.4	.96	38.52	54	-15.48	-	-	255	362	H
5	2.10991	41.54	PK2	31.6	-22.8	0	50.34	-	-	74	-23.66	135	159	V
	** 2.11272	28.82	ADV	31.6	-22.8	.96	38.58	54	-15.42	-	-	135	159	V
3	*** 4.77844	40.86	Pk	34	-31.1	0	43.76	54	-10.24	74	-30.24	0-360	200	H
4	*** 9.08063	35.98	Pk	36.2	-25.6	0	46.58	54	-7.42	74	-27.42	0-360	101	H
7	*** 8.2275	36.39	Pk	35.8	-26.7	0	45.49	54	-8.51	74	-28.51	0-360	101	V
1	2.0675	42.93	Pk	31.7	-22.9	0	51.73	-	-	-	-	0-360	200	H
6	2.3055	43.46	Pk	31.9	-23.5	0	51.86	-	-	-	-	0-360	200	V
8	9.51844	35.7	Pk	36.7	-25.1	0	47.3	-	-	-	-	0-360	101	V

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

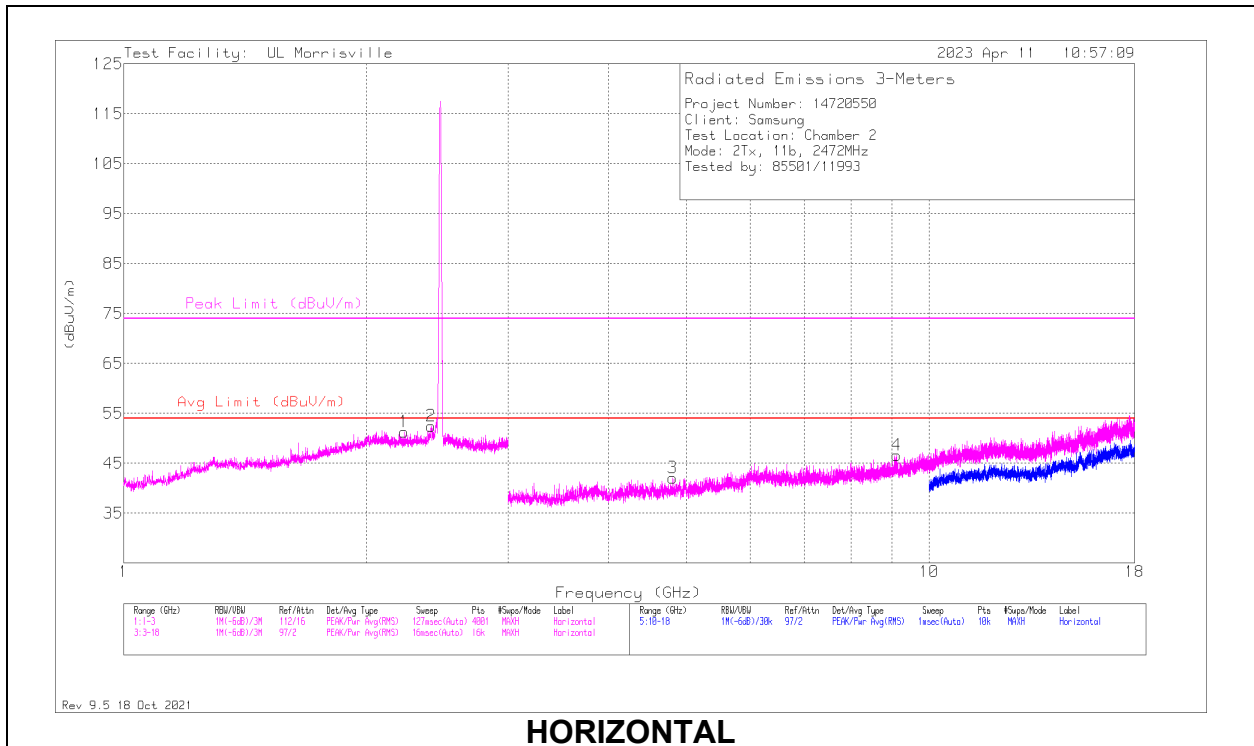
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

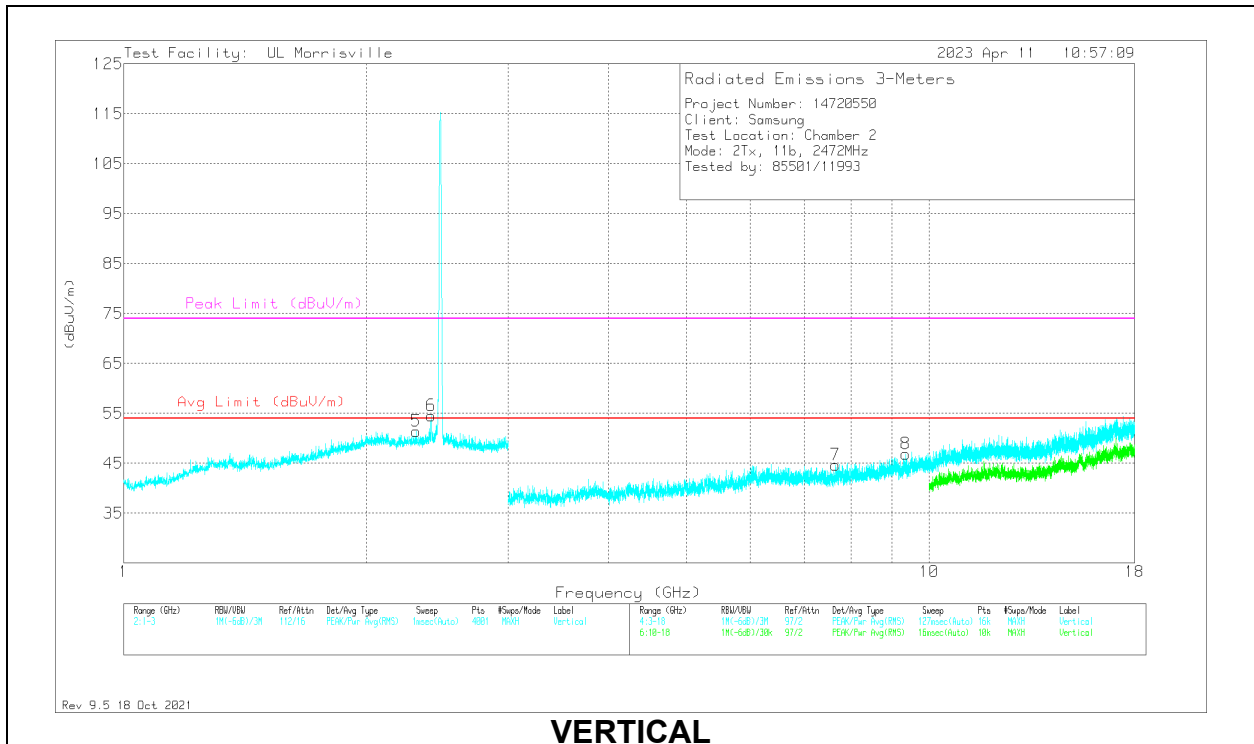
PK2 - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL, CH 13 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.2298	42.37	PK2	31.6	-23.6	0	50.37	-	-	74	-23.63	156	144	H
	*** 2.2291	29.1	ADV	31.6	-23.6	.96	38.06	54	-15.94	-	-	156	144	H
3	*** 4.80375	38.93	Pk	34	-30.9	0	42.03	54	-11.97	74	-31.97	0-360	199	H
4	*** 9.1125	35.89	Pk	36.2	-25.5	0	46.59	54	-7.41	74	-27.41	0-360	199	H
7	*** 7.65281	36.01	Pk	35.6	-26.9	0	44.71	54	-9.29	74	-29.29	0-360	101	V
8	*** 9.35625	36.03	Pk	36.6	-25.7	0	46.93	54	-7.07	74	-27.07	0-360	101	V
5	2.3095	43.25	Pk	31.9	-23.7	0	51.45	-	-	-	-	0-360	199	V
6	2.4075	47.08	Pk	31.9	-24.5	0	54.48	-	-	-	-	0-360	101	V
2	2.409	45.09	Pk	31.9	-24.5	0	52.49	-	-	-	-	0-360	199	H

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

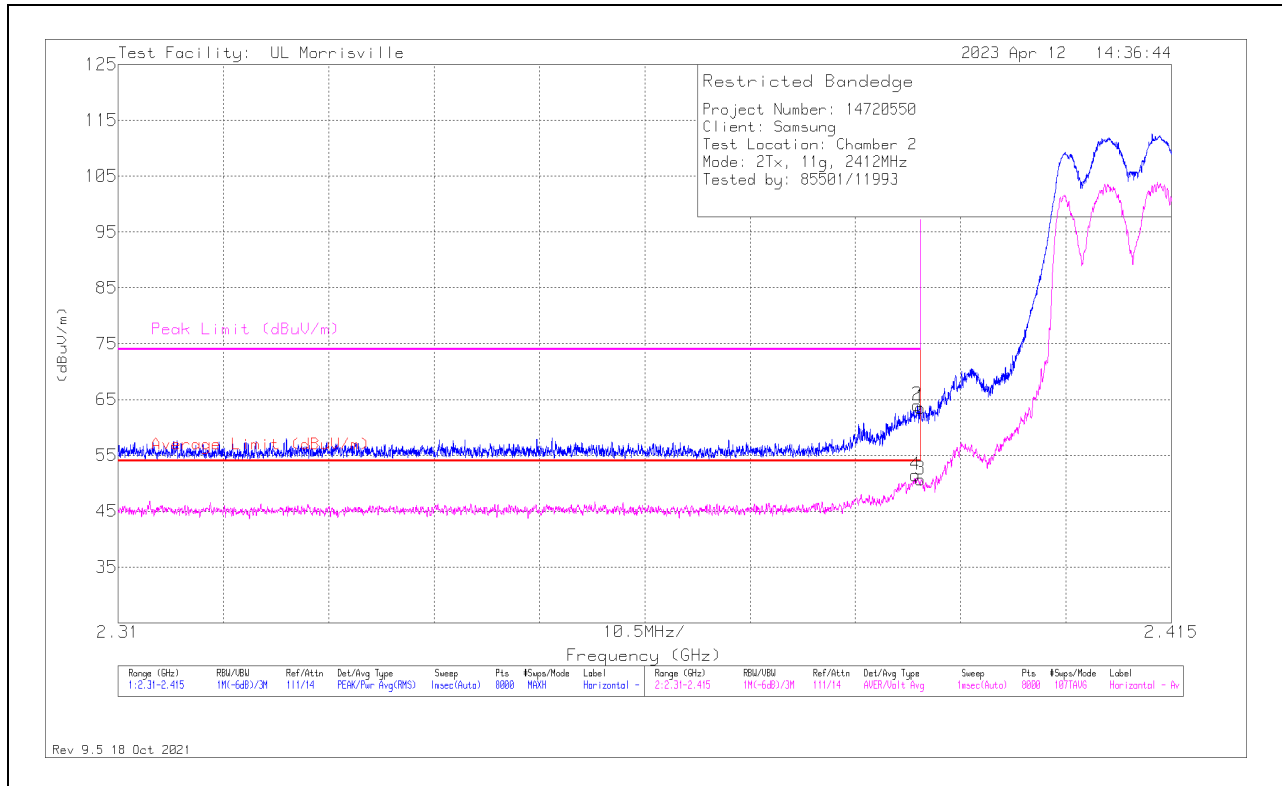
Pk - Peak detector

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

2TX Chain 0 + Chain 1 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* * * 2.39	45.5	Pk	31.8	-23.8	10	0	63.5	-	-	74	-10.5	153	119	H
2	* * * 2.38968	46.01	Pk	31.8	-23.8	10	0	64.01	-	-	74	-9.99	153	119	H
3	* * * 2.39	32.1	ADV	31.8	-23.8	10	.61	50.71	54	-3.29	-	-	153	119	H
4	* * * 2.38948	32.87	ADV	31.8	-23.8	10	.61	51.48	54	-2.52	-	-	153	119	H

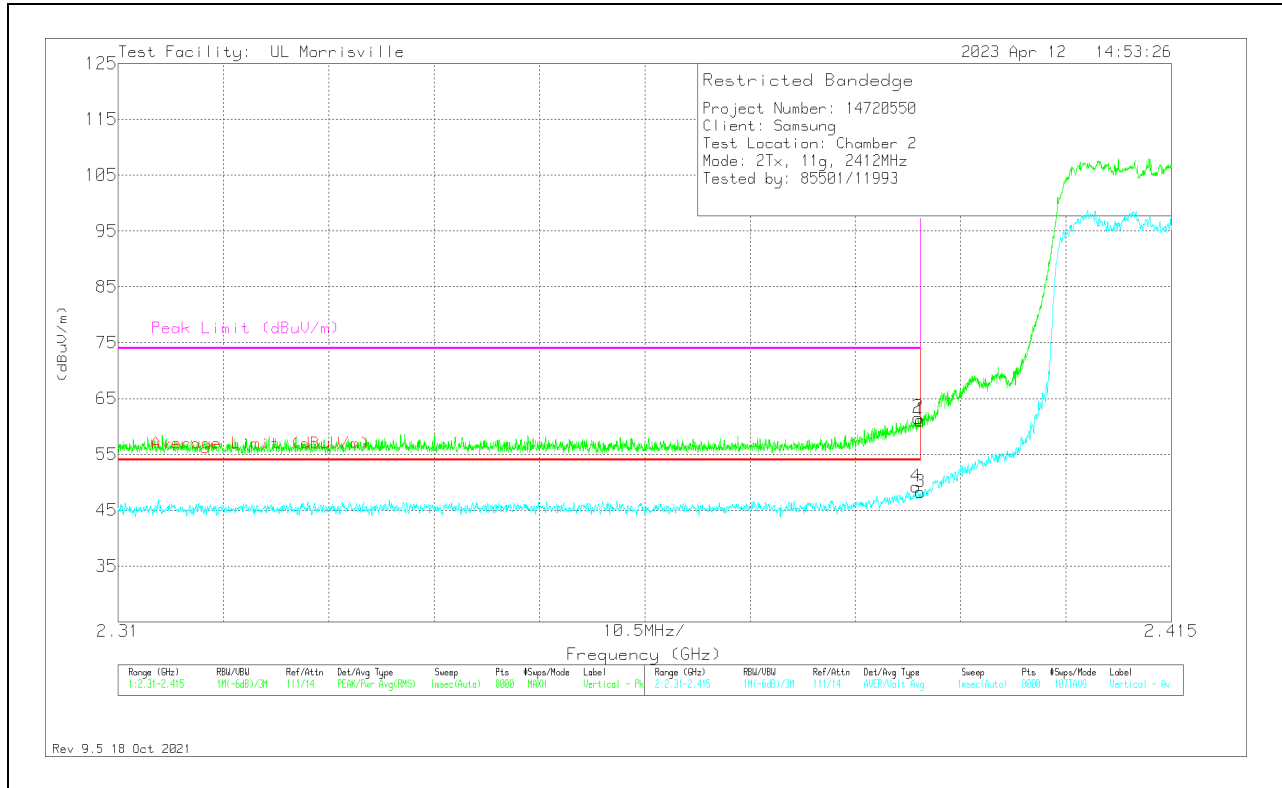
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	43.11	Pk	31.8	-23.8	10	0	61.11	-	-	74	-12.89	109	350	V
2	* ** 2.38976	43.56	Pk	31.8	-23.8	10	0	61.56	-	-	74	-12.44	109	350	V
3	* ** 2.39	29.63	ADV	31.8	-23.8	10	.61	48.24	54	-5.76	-	-	109	350	V
4	* ** 2.38952	30.59	ADV	31.8	-23.8	10	.61	49.20	54	-4.80	-	-	109	350	V

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

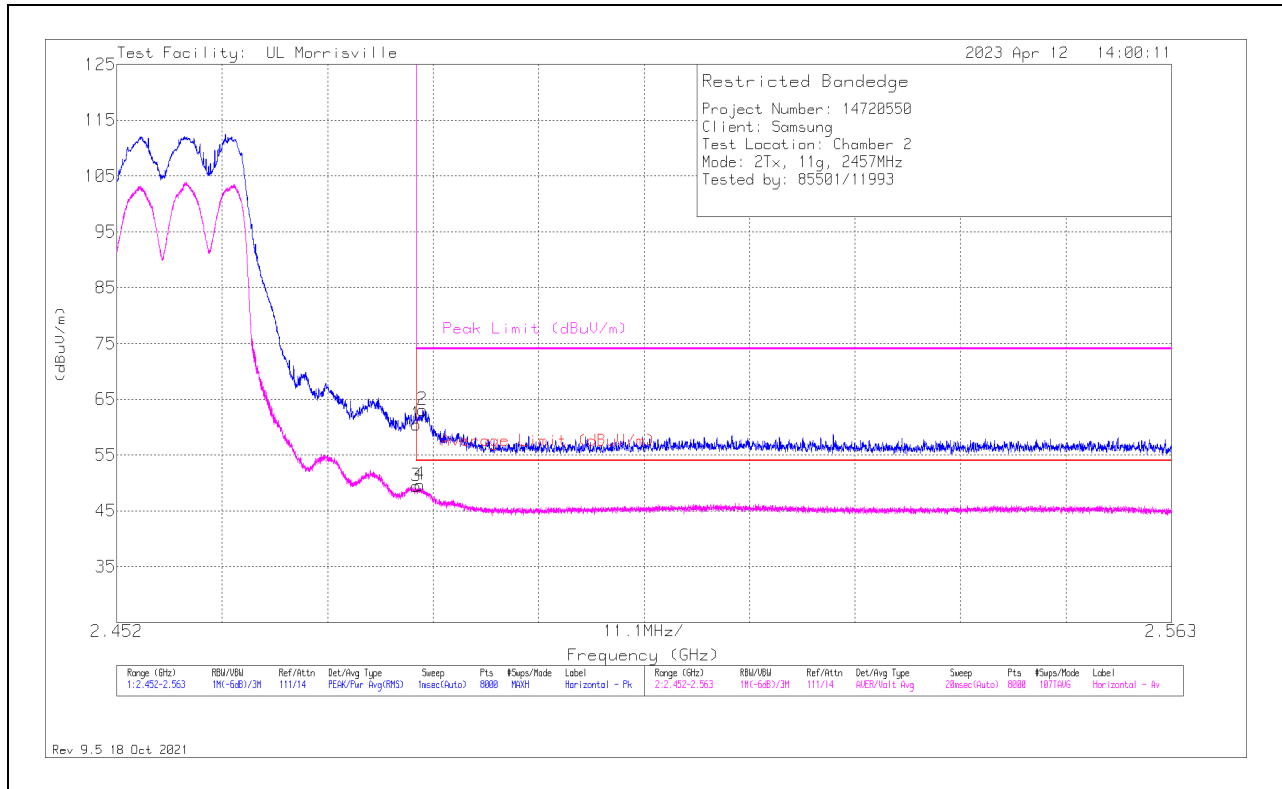
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 10)

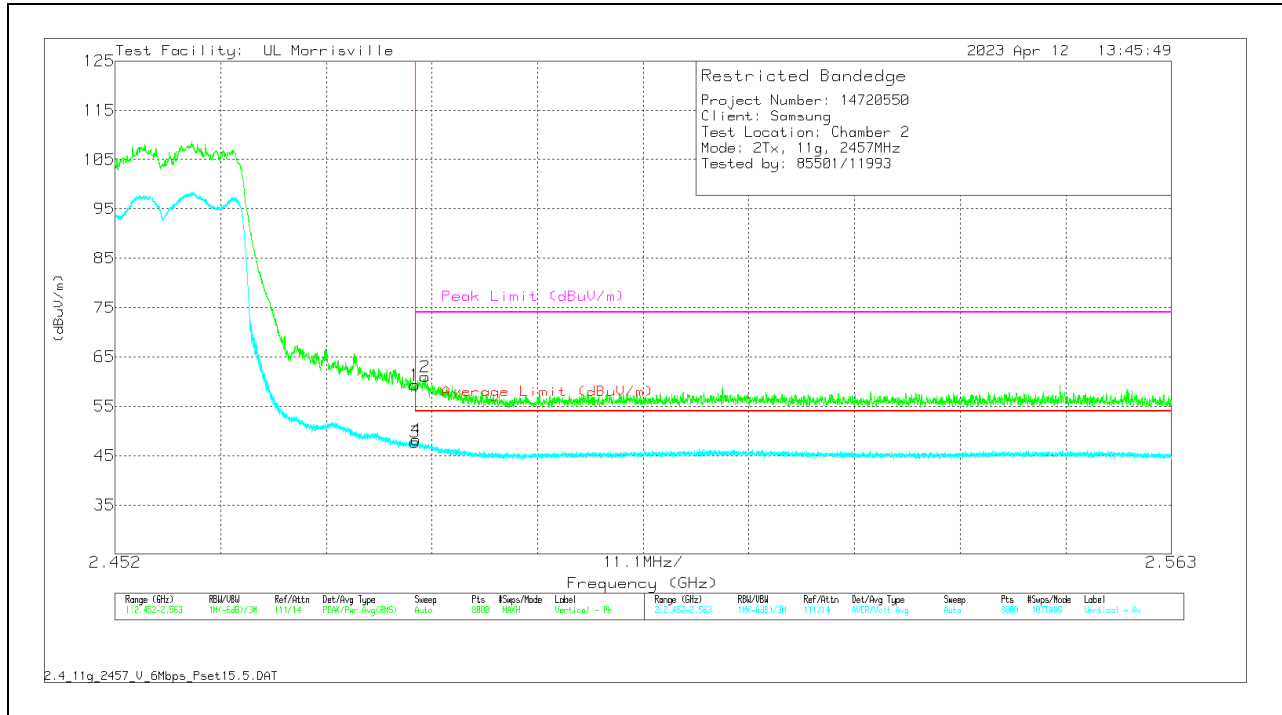
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	42.51	Pk	32.3	-24.3	10	0	60.51	-	-	74	-13.49	88	119	H
2	* ** 2.48419	45.16	Pk	32.3	-24.4	10	0	63.06	-	-	74	-10.94	88	119	H
3	* ** 2.4835	30.78	ADV	32.3	-24.3	10	.61	49.39	54	-4.61	-	-	88	119	H
4	* ** 2.48392	31.2	ADV	32.3	-24.4	10	.61	49.71	54	-4.29	-	-	88	119	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT

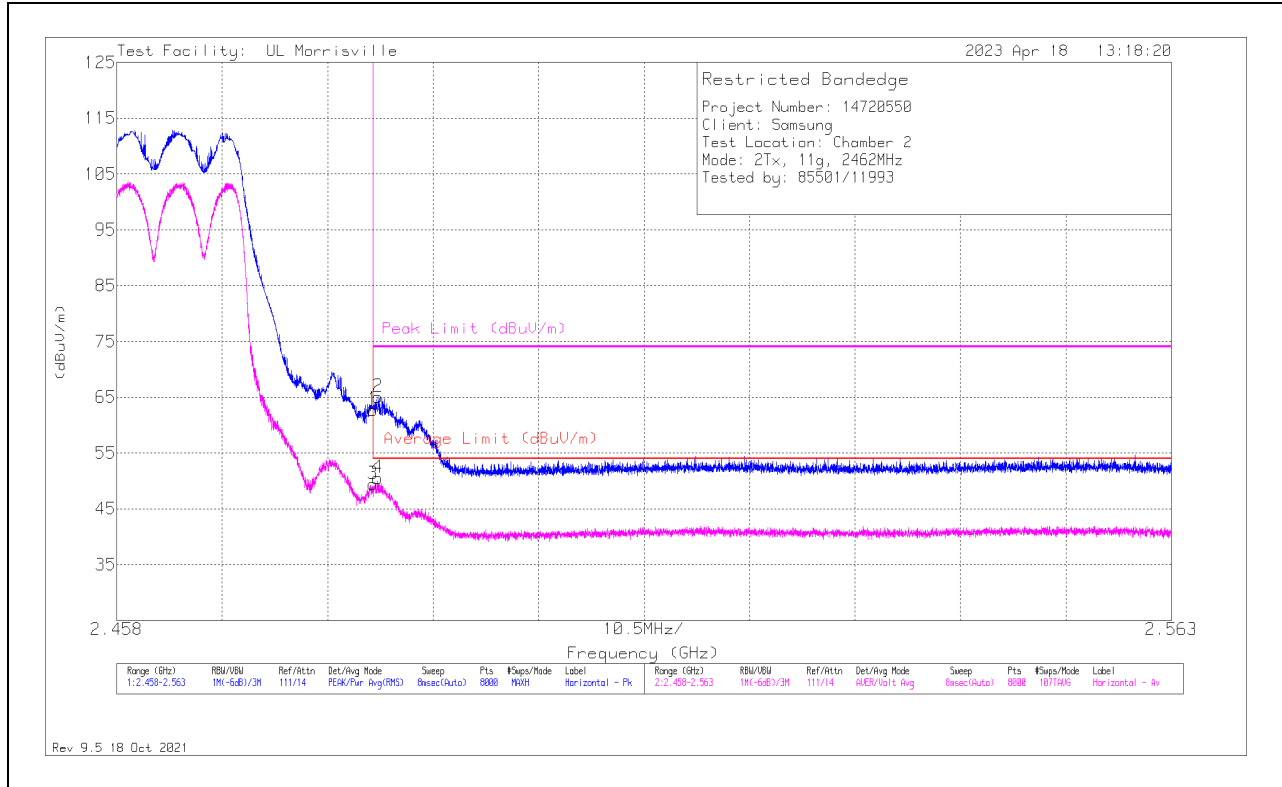


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	41.29	Pk	32.3	-24.3	10	0	59.29	-	-	74	-14.71	120	361	V
2	* ** 2.48458	43.1	Pk	32.3	-24.4	10	0	61	-	-	74	-13	120	361	V
3	* ** 2.4835	29.16	ADV	32.3	-24.3	10	-.61	47.77	54	-6.23	-	-	120	361	V
4	* ** 2.48361	29.61	ADV	32.3	-24.3	10	-.61	48.22	54	-5.78	-	-	120	361	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 11)

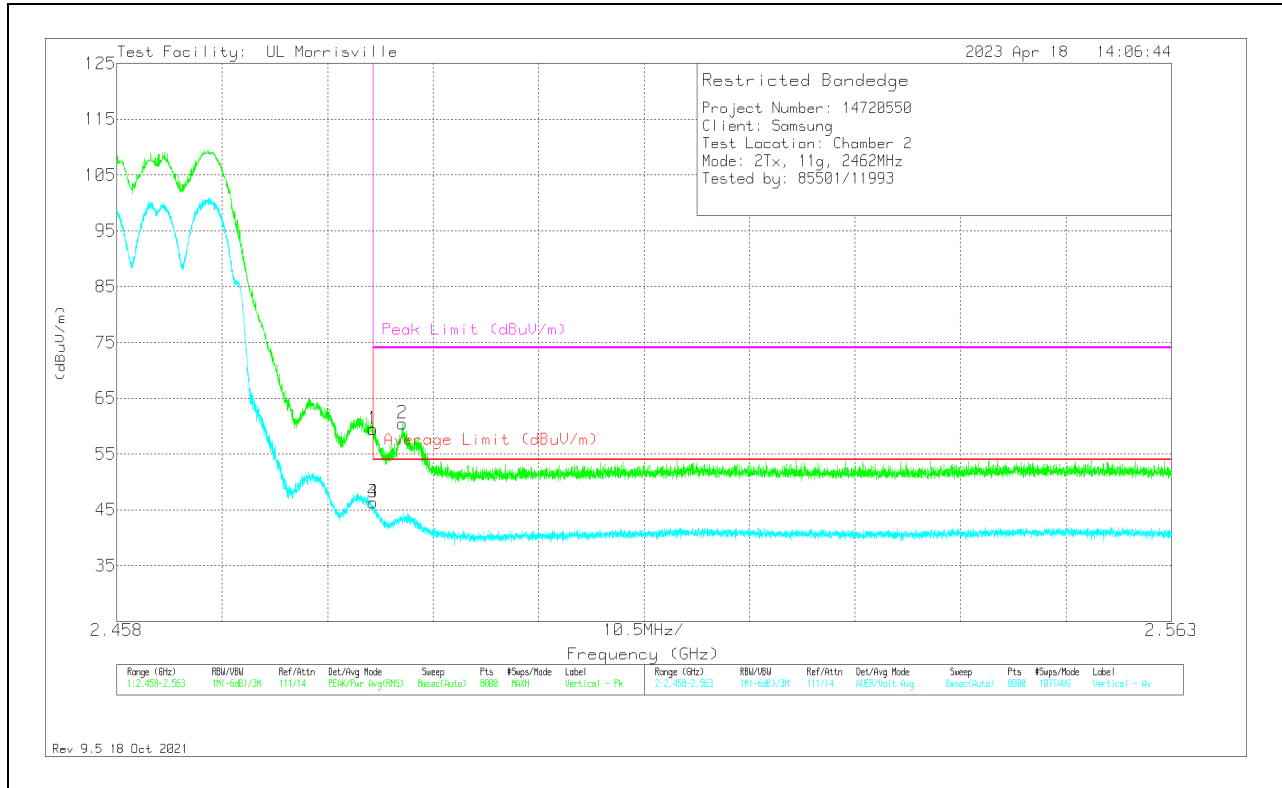
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48351	44.77	Pk	32.3	-24.3	10	0	62.77	-	-	74	-11.23	159	106	H
2	* ** 2.48403	47.13	Pk	32.3	-24.4	10	0	65.03	-	-	74	-8.97	159	106	H
3	* ** 2.48351	30.75	ADV	32.3	-24.3	10	.61	49.36	54	-4.64	-	-	159	106	H
4	* ** 2.48398	32.05	ADV	32.3	-24.4	10	.61	50.56	54	-3.44	-	-	159	106	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48351	41.45	Pk	32.3	-24.3	10	0	59.45	-	-	74	-14.55	124	114	V
2	*** 2.48646	42.67	Pk	32.3	-24.5	10	0	60.47	-	-	74	-13.53	124	114	V
3	*** 2.48351	27.71	ADV	32.3	-24.3	10	.61	46.32	54	-7.69	-	-	124	114	V
4	*** 2.48353	27.73	ADV	32.3	-24.3	10	.61	46.34	54	-7.66	-	-	124	114	V

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

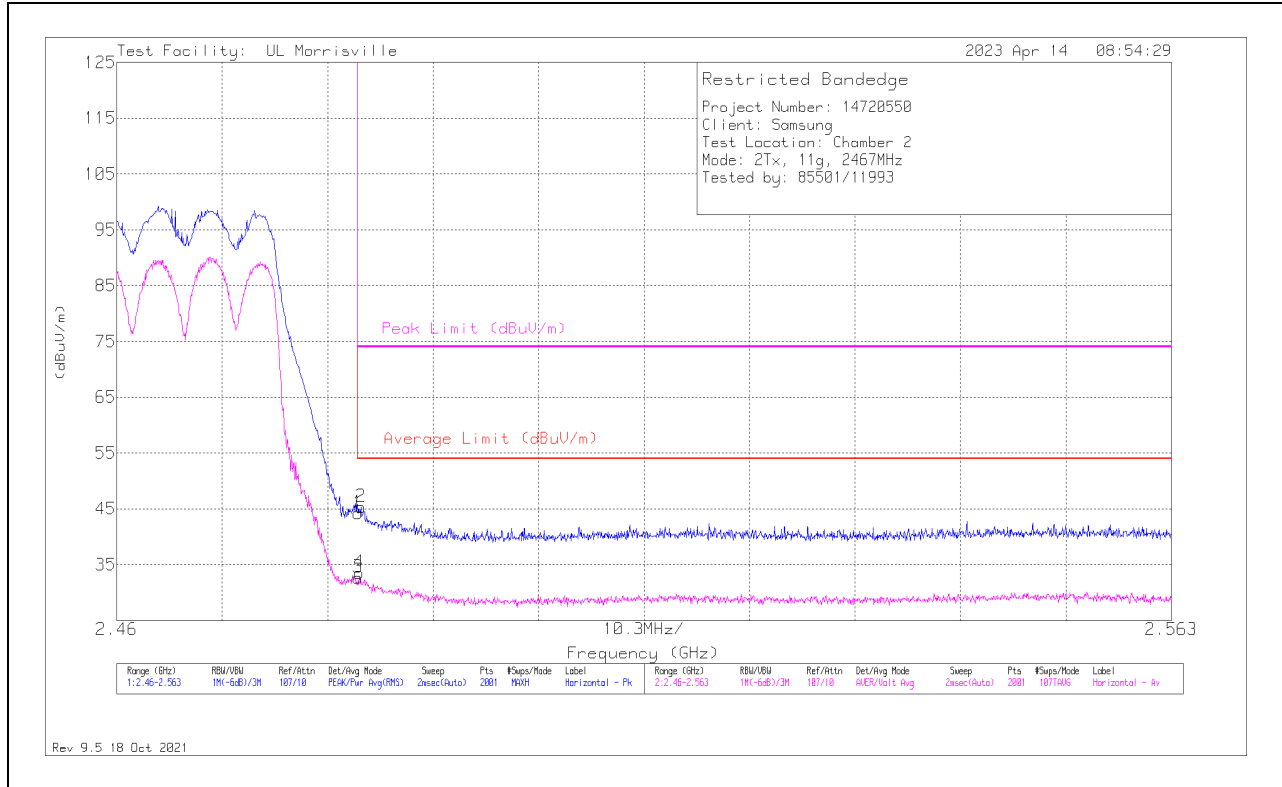
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 12)

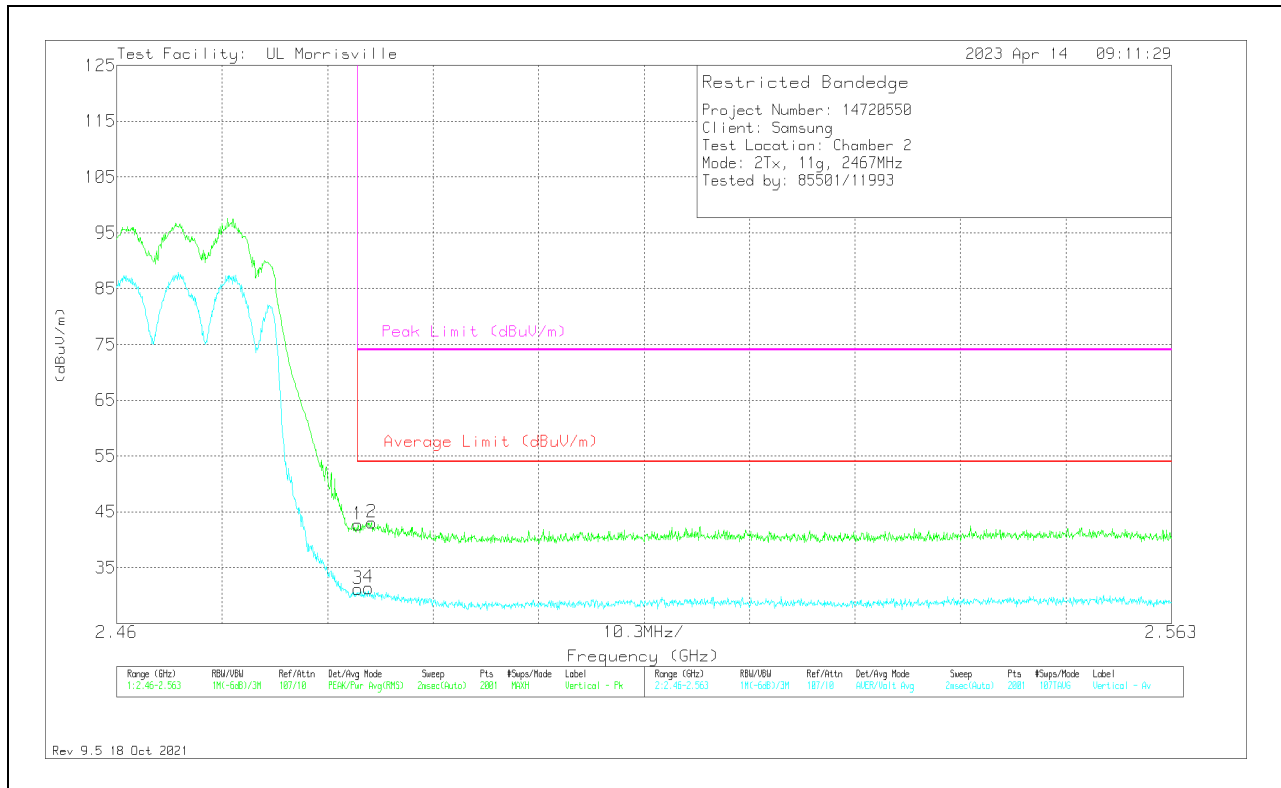
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	36.23	Pk	32.3	-24.3	0	44.23	-	-	74	-29.77	89	131	H
2	* ** 2.48384	37.46	Pk	32.3	-24.4	0	45.36	-	-	74	-28.64	89	131	H
3	* ** 2.48354	24.05	ADV	32.3	-24.3	.61	32.66	54	-21.34	-	-	89	131	H
4	* ** 2.48369	24.89	ADV	32.3	-24.3	.61	33.50	54	-20.50	-	-	89	131	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	34.77	Pk	32.3	-24.3	0	42.77	-	-	74	-31.23	130	154	V
2	* ** 2.48493	35.14	Pk	32.3	-24.4	0	43.04	-	-	74	-30.96	130	154	V
3	* ** 2.48354	22.56	ADV	32.3	-24.3	.61	31.17	54	-22.83	-	-	130	153	V
4	* ** 2.48462	22.84	ADV	32.3	-24.4	.61	31.35	54	-22.65	-	-	130	153	V

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

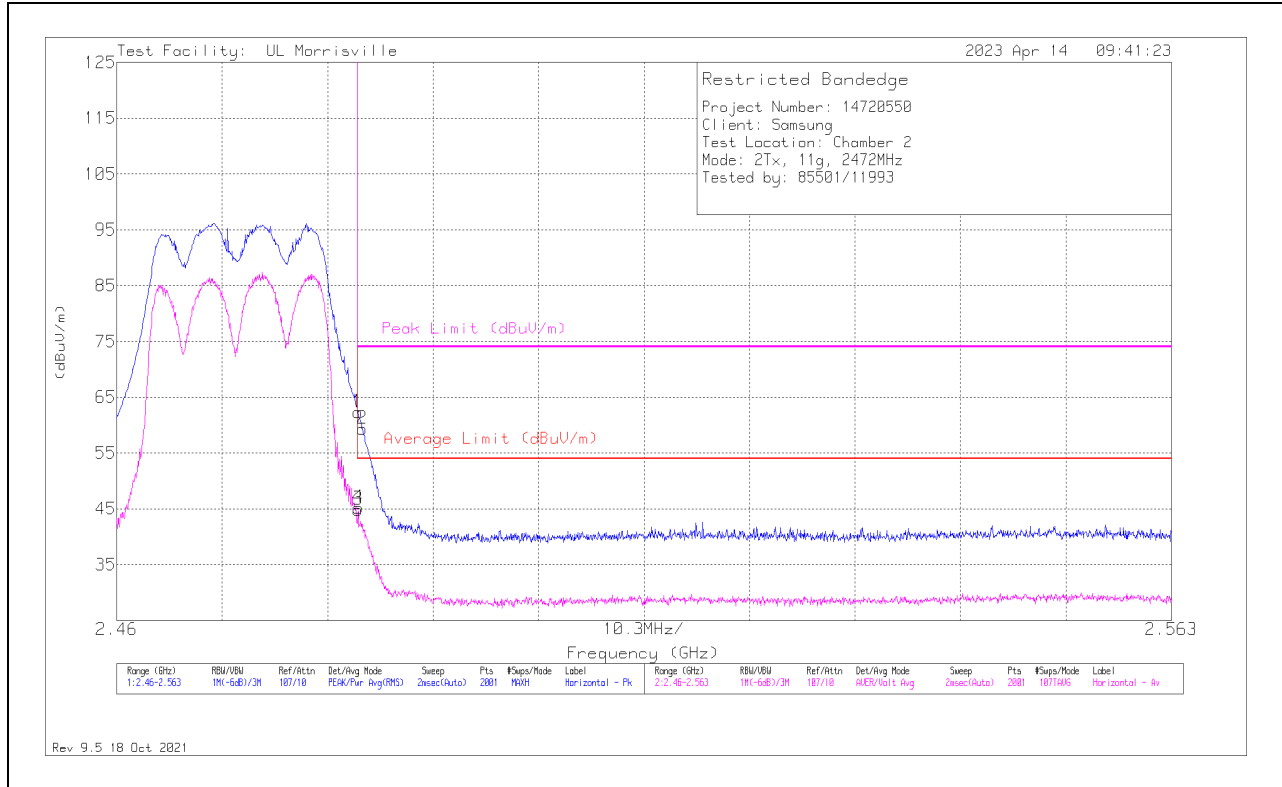
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	54.35	Pk	32.3	-24.3	0	62.35	-	-	74	-11.65	149	122	H
2	* ** 2.484	51.5	Pk	32.3	-24.4	0	59.4	-	-	74	-14.6	149	122	H
3	* ** 2.48354	36.27	ADV	32.3	-24.3	.61	44.88	54	-9.12	-	-	149	122	H
4	* ** 2.48359	36.55	ADV	32.3	-24.3	.61	45.16	54	-8.84	-	-	149	122	H

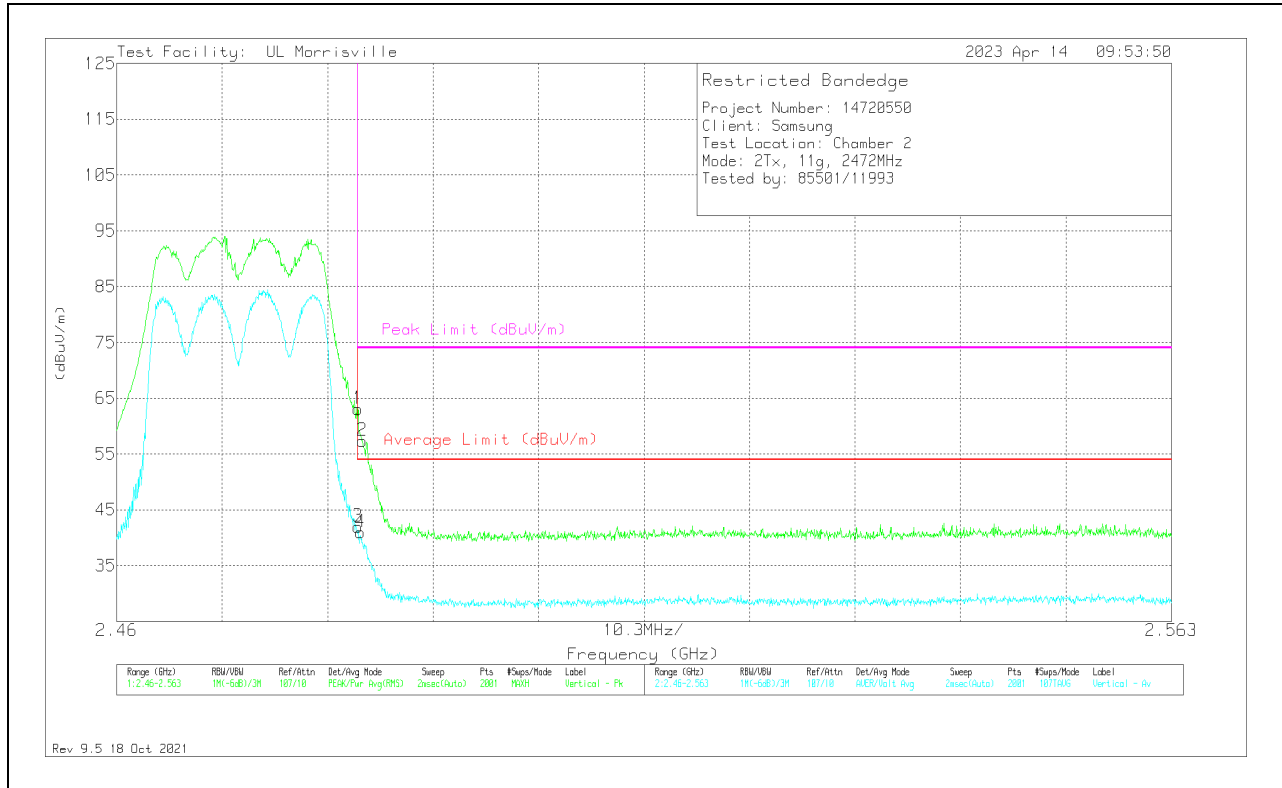
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	55.06	Pk	32.3	-24.3	0	63.06	-	-	74	-10.94	104	235	V
2	*** 2.484	49.5	Pk	32.3	-24.4	0	57.4	-	-	74	-16.6	104	235	V
3	*** 2.48354	33.37	ADV	32.3	-24.3	.61	41.98	54	-12.02	-	-	104	235	V
4	*** 2.48379	32.5	ADV	32.3	-24.4	.61	41.01	54	-12.99	-	-	104	235	V

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

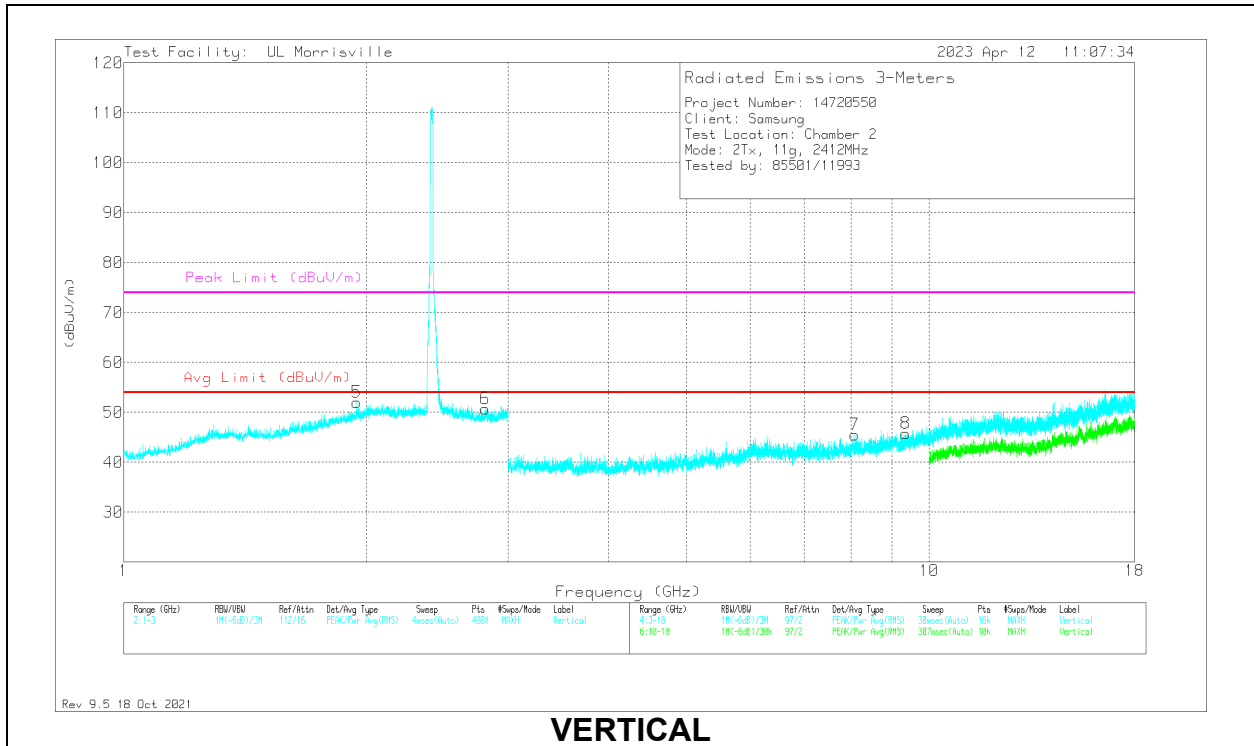
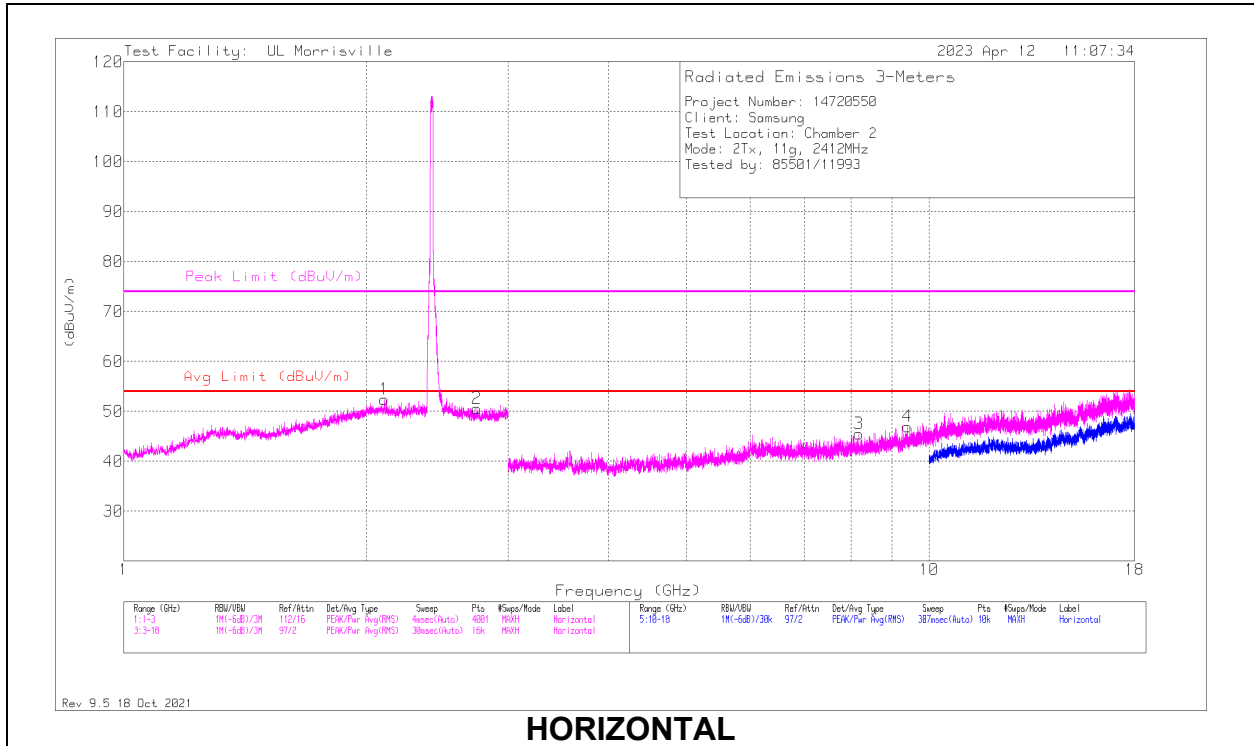
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*** 2.74274	43.23	PK2	32.2	-25.8	0	49.63	-	-	74	-24.37	258	313	H
	*** 2.74436	30.62	ADV	32.2	-25.7	.61	37.73	54	-16.27	-	-	258	313	H
5	** 1.94789	43.08	PK2	30.8	-22.3	0	51.58	-	-	74	-22.42	5	240	V
	** 1.94792	29.2	ADV	30.8	-22.3	.61	38.31	54	-15.69	-	-	5	240	V
6	*** 2.81036	43.55	PK2	32.2	-25.8	0	49.95	-	-	74	-24.05	349	194	V
	*** 2.81224	30.63	ADV	32.2	-25.8	.61	37.64	54	-16.36	-	-	349	194	V
3	*** 8.17875	36.9	Pk	35.7	-27.1	0	45.5	54	-8.5	74	-28.5	0-360	101	H
4	*** 9.40313	35.98	Pk	36.6	-25.7	0	46.88	54	-7.12	74	-27.12	0-360	200	H
7	*** 8.09063	36.54	Pk	35.8	-26.8	0	45.54	54	-8.46	74	-28.46	0-360	200	V
8	*** 9.34969	35.01	Pk	36.6	-25.9	0	45.71	54	-8.29	74	-28.29	0-360	200	V
1	2.1065	43.73	Pk	31.6	-22.9	0	52.43	-	-	-	-	0-360	101	H

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

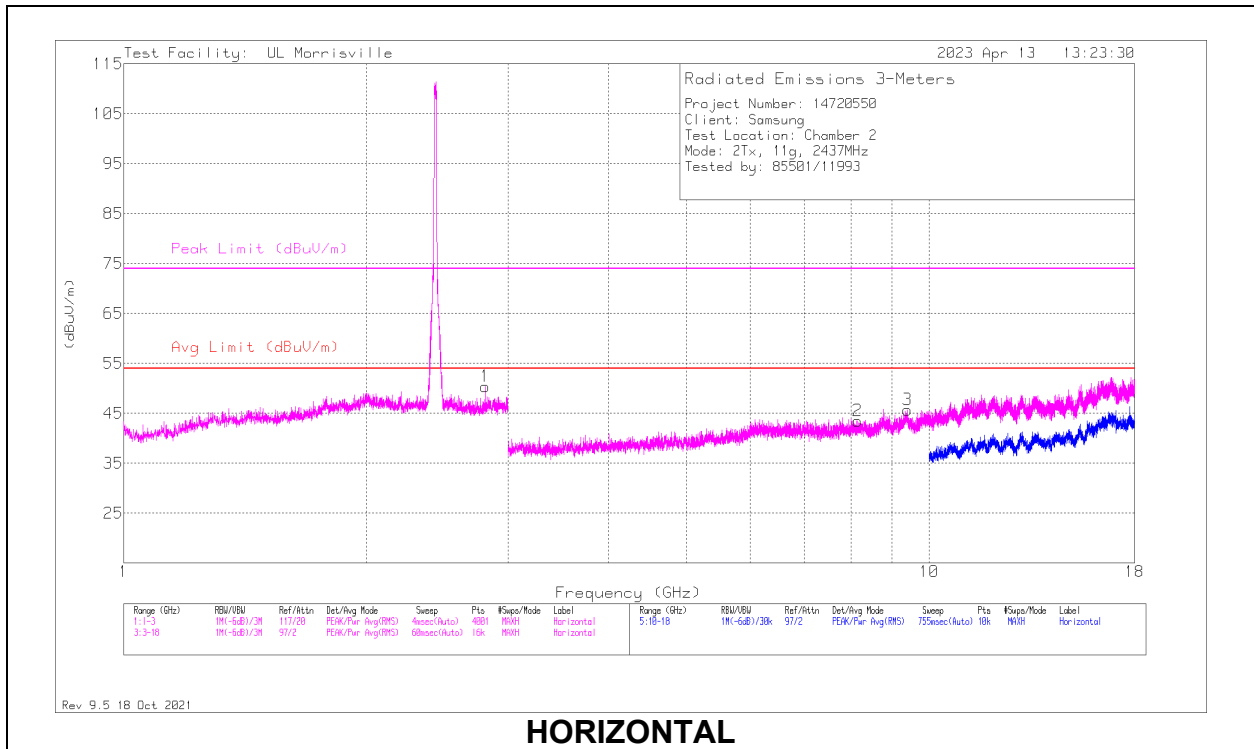
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

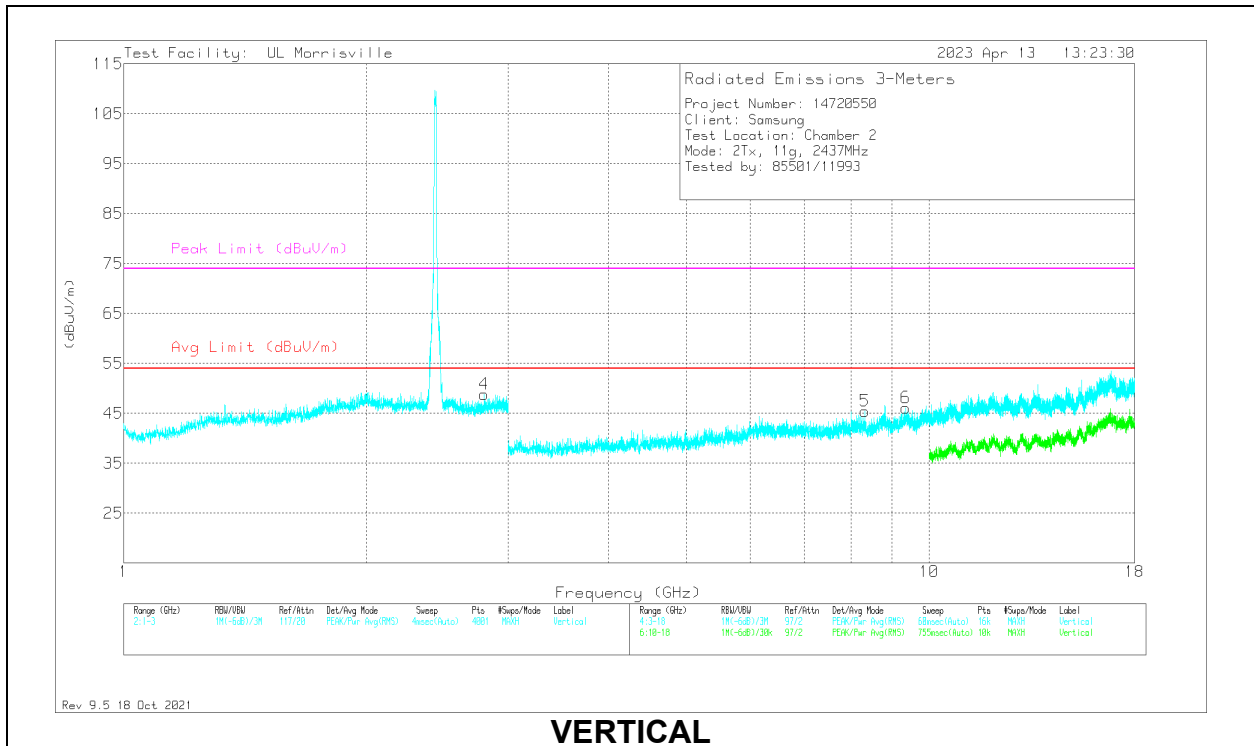
PK2 - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.81229	42.74	PK2	32.2	-25.8	0	49.14	-	-	74	-24.86	49	376	H
	* ** 2.81202	29.92	ADV	32.2	-25.8	.61	36.93	54	-17.07	-	-	49	376	H
4	* ** 2.8029	42.99	PK2	32.2	-25.9	0	49.29	-	-	74	-24.71	34	308	V
	* ** 2.80471	29.93	ADV	32.2	-25.9	.61	36.84	54	-17.16	-	-	34	308	V
2	* ** 8.14969	34.16	Pk	35.8	-26.5	0	43.46	54	-10.54	74	-30.54	0-360	101	H
3	* ** 9.40406	34.84	Pk	36.6	-25.7	0	45.74	54	-8.26	74	-28.26	0-360	199	H
5	* ** 8.32219	36.31	Pk	35.7	-26.6	0	45.41	54	-8.59	74	-28.59	0-360	101	V
6	* ** 9.35906	35.09	Pk	36.6	-25.6	0	46.09	54	-7.91	74	-27.91	0-360	101	V

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

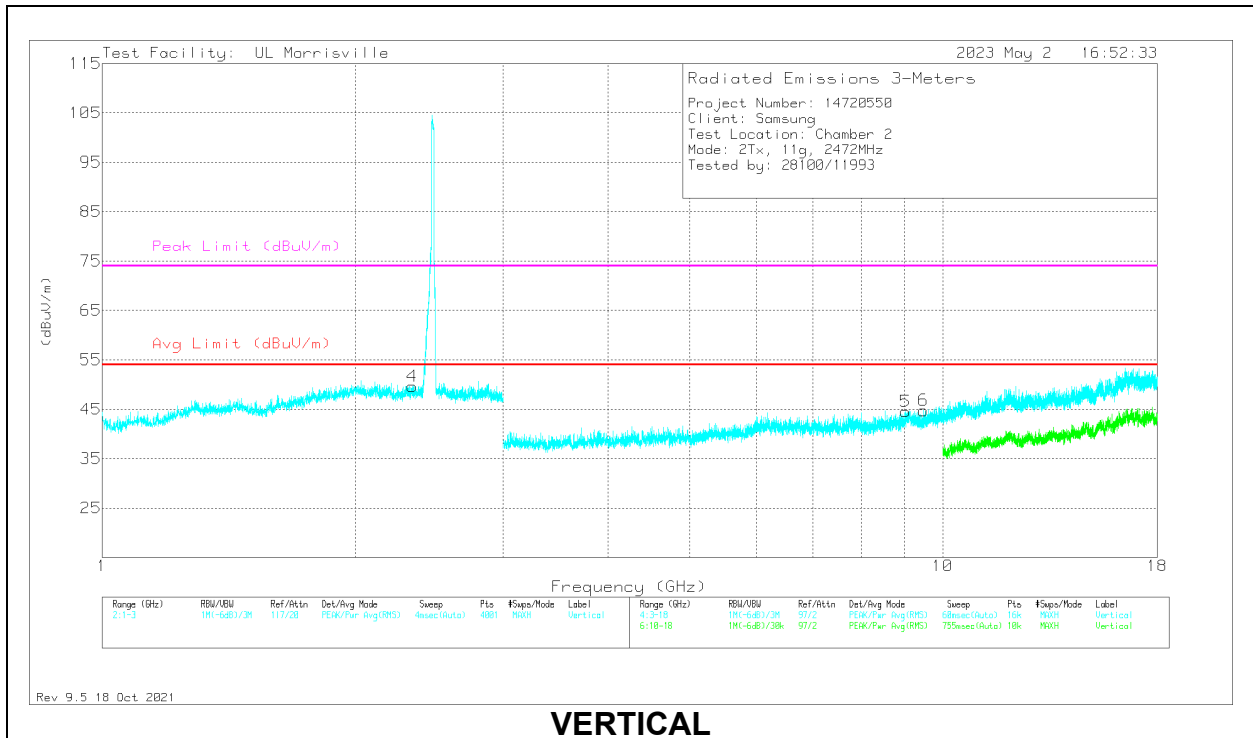
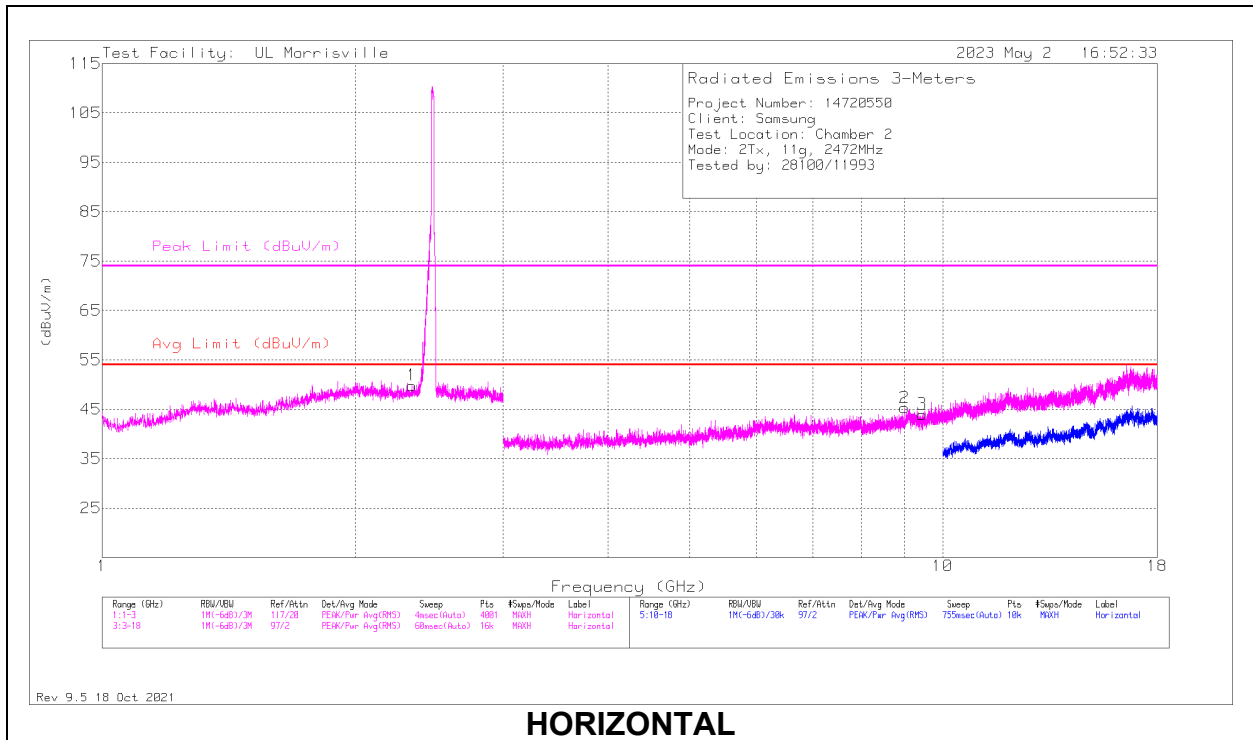
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL, CH 13 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.33861	42.72	PK2	32	-24	0	50.72	-	-	74	-23.28	16	186	H
	*** 2.33755	30.22	ADV	32	-24	.61	38.83	54	-15.17	-	-	16	186	H
4	*** 2.33838	42.87	PK2	32	-24	0	50.87	-	-	74	-23.13	273	362	V
	*** 2.33921	30.36	ADV	32	-24	.61	38.97	54	-15.03	-	-	273	362	V
2	*** 9.00656	35.61	Pk	36.2	-26.5	0	45.31	54	-8.69	74	-28.69	0-360	200	H
3	*** 9.45375	33.36	Pk	36.6	-26	0	43.96	54	-10.04	74	-30.04	0-360	200	H
5	*** 9.03	34.75	Pk	36.1	-26.3	0	44.55	54	-9.45	74	-29.45	0-360	200	V
6	*** 9.48844	33.35	Pk	36.7	-25.3	0	44.75	54	-9.25	74	-29.25	0-360	200	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

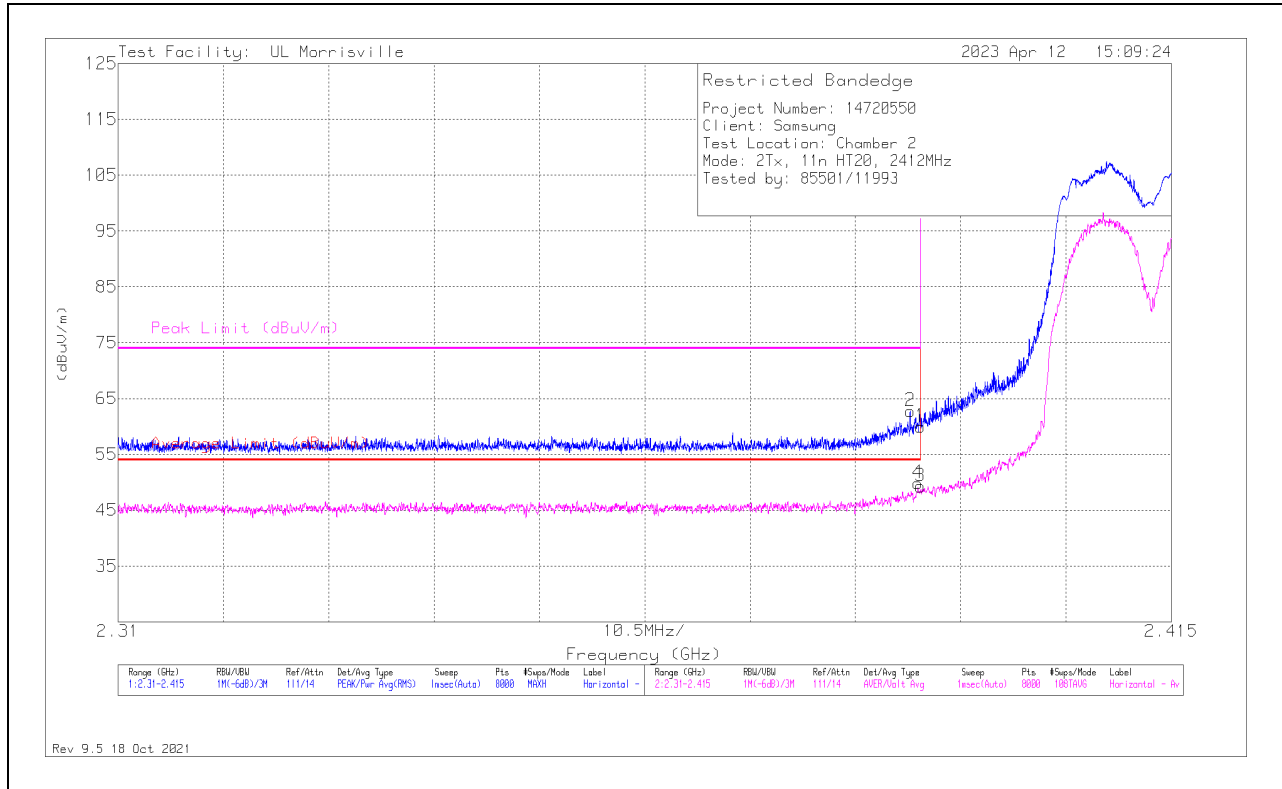
ADV - Linear Voltage Average

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

2TX Chain 0 + Chain 1 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	41.98	Pk	31.8	-23.8	10	0	59.98	-	-	74	-14.02	187	345	H
2	* ** 2.38896	44.76	Pk	31.8	-23.8	10	0	62.76	-	-	74	-11.24	187	345	H
3	* ** 2.39	30.6	ADV	31.8	-23.8	10	.71	49.31	54	-4.69	-	-	187	345	H
4	* ** 2.38973	31.15	ADV	31.8	-23.8	10	.71	49.86	54	-4.14	-	-	187	345	H

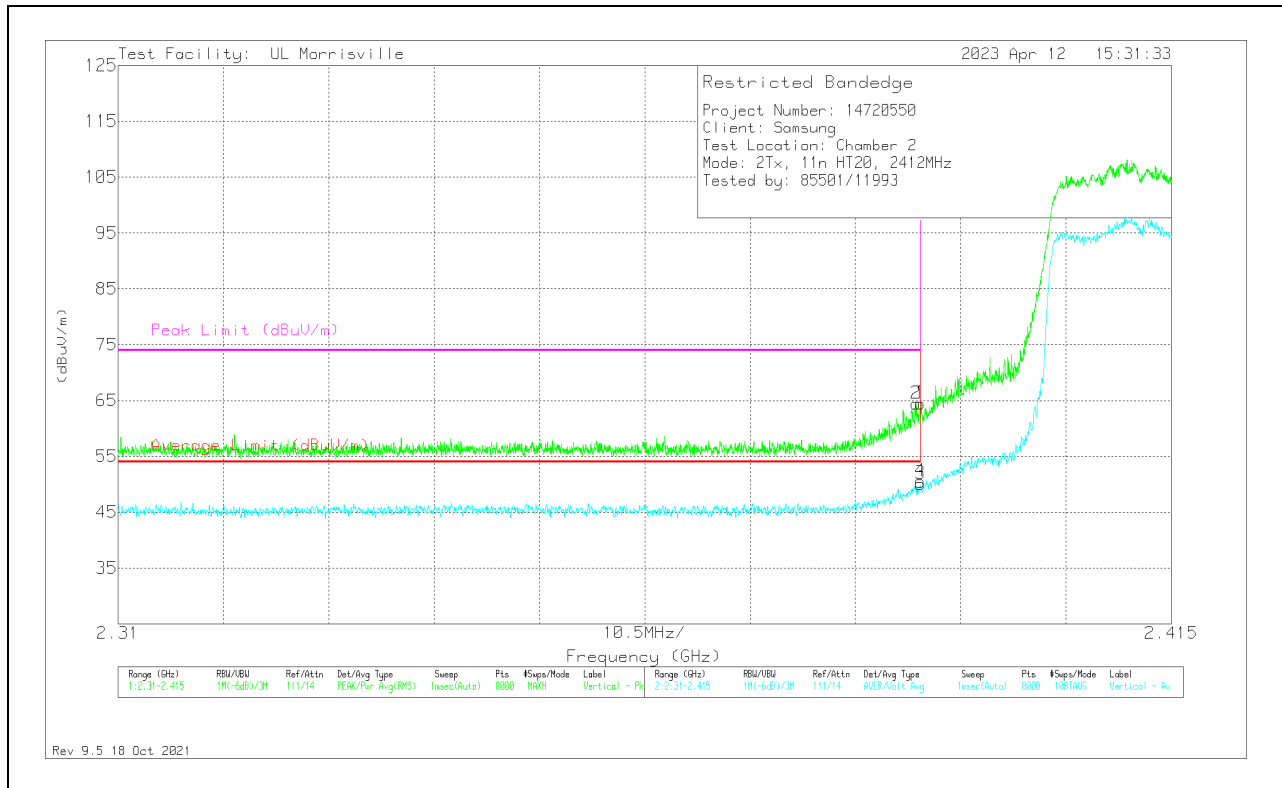
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	46.49	Pk	31.8	-23.8	10	0	64.49	-	-	74	-9.51	141	346	V
2	* ** 2.38954	46.45	Pk	31.8	-23.8	10	0	64.45	-	-	74	-9.55	141	346	V
3	* ** 2.39	31.4	ADV	31.8	-23.8	10	.71	50.11	54	-3.89	-	-	141	346	V
4	* ** 2.38996	31.82	ADV	31.8	-23.8	10	.71	50.53	54	-3.47	-	-	141	346	V

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

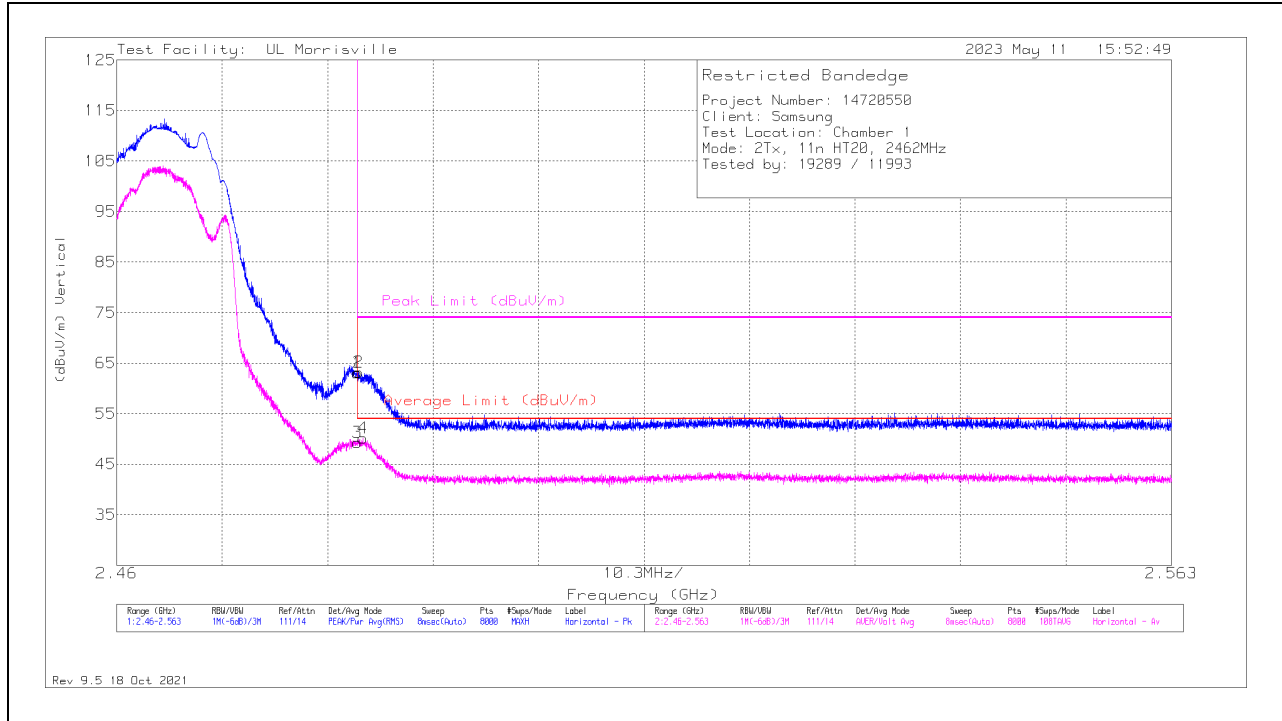
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	44.65	Pk	32.5	-24	9.9	0	63.05	-	-	74	-10.95	199	132	H
2	* ** 2.48363	44.83	Pk	32.5	-24	9.9	0	63.23	-	-	74	-10.77	199	132	H
3	* ** 2.4835	30.15	ADV	32.5	-24	9.9	.71	49.26	54	-4.74	-	-	199	132	H
4	* ** 2.48405	31.08	ADV	32.5	-24	9.9	.71	50.19	54	-3.81	-	-	199	132	H

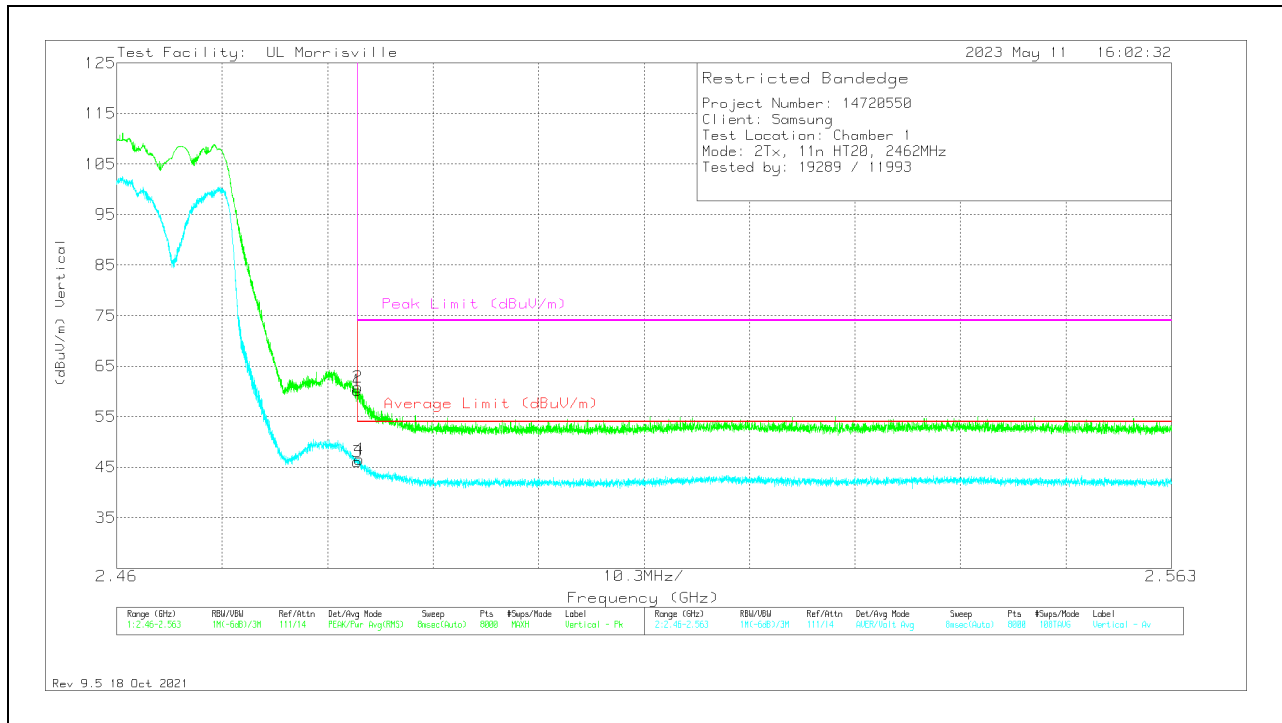
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 (dB/m)	Gain/Loss (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	41.82	Pk	32.5	-24	9.9	0	60.22	-	-	74	-13.78	257	162	V
3	* ** 2.4835	26.92	ADV	32.5	-24	9.9	.71	46.03	54	-7.97	-	-	257	162	V
2	* ** 2.48355	42.42	PK	32.5	-24	9.9	0	60.82	-	-	74	-13.18	257	162	V
4	* ** 2.48367	27.4	ADV	32.5	-24	9.9	.71	46.51	54	-7.49	-	-	257	162	V

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

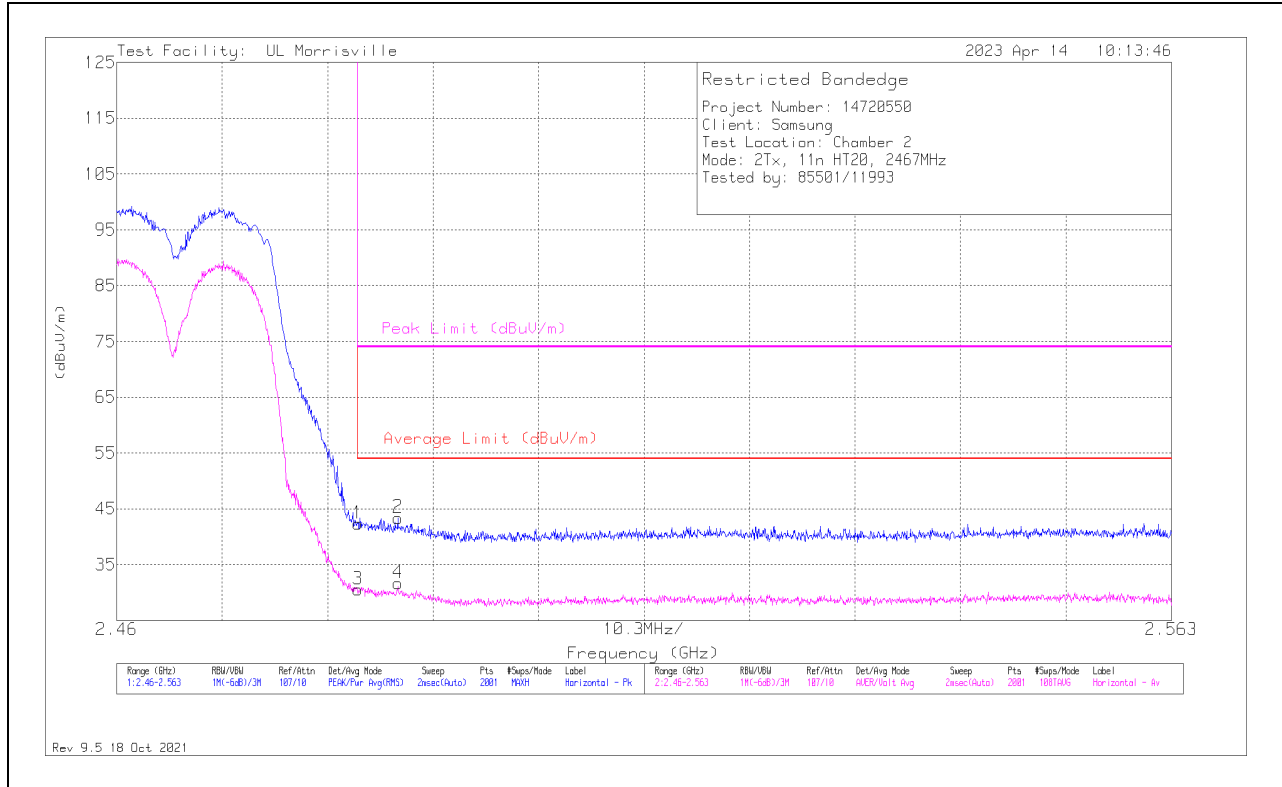
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	34.35	Pk	32.3	-24.3	0	42.35	-	-	74	-31.65	83	151	H
2	* ** 2.48745	35.7	Pk	32.3	-24.6	0	43.4	-	-	74	-30.6	83	151	H
3	* ** 2.48354	21.82	ADV	32.3	-24.3	.71	30.53	54	-23.47	-	-	83	151	H
4	* ** 2.48745	23.29	ADV	32.3	-24.6	.71	31.70	54	-22.30	-	-	83	151	H

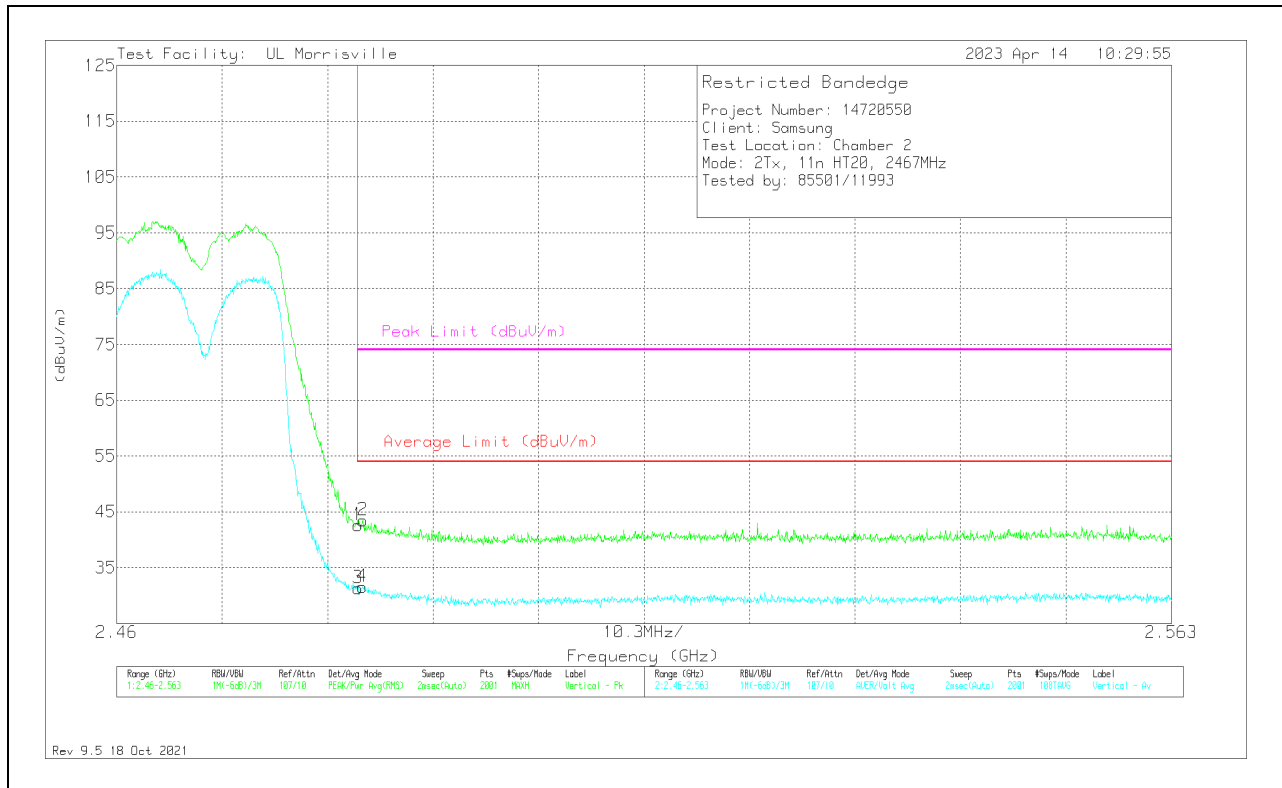
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	34.59	Pk	32.3	-24.3	0	42.59	-	-	74	-31.41	124	184	V
2	*** 2.48405	35.57	Pk	32.3	-24.4	0	43.47	-	-	74	-30.53	124	184	V
3	*** 2.48354	22.65	ADV	32.3	-24.3	.71	31.36	54	-22.64	-	-	124	183	V
4	*** 2.484	22.93	ADV	32.3	-24.4	.71	31.54	54	-22.46	-	-	124	183	V

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

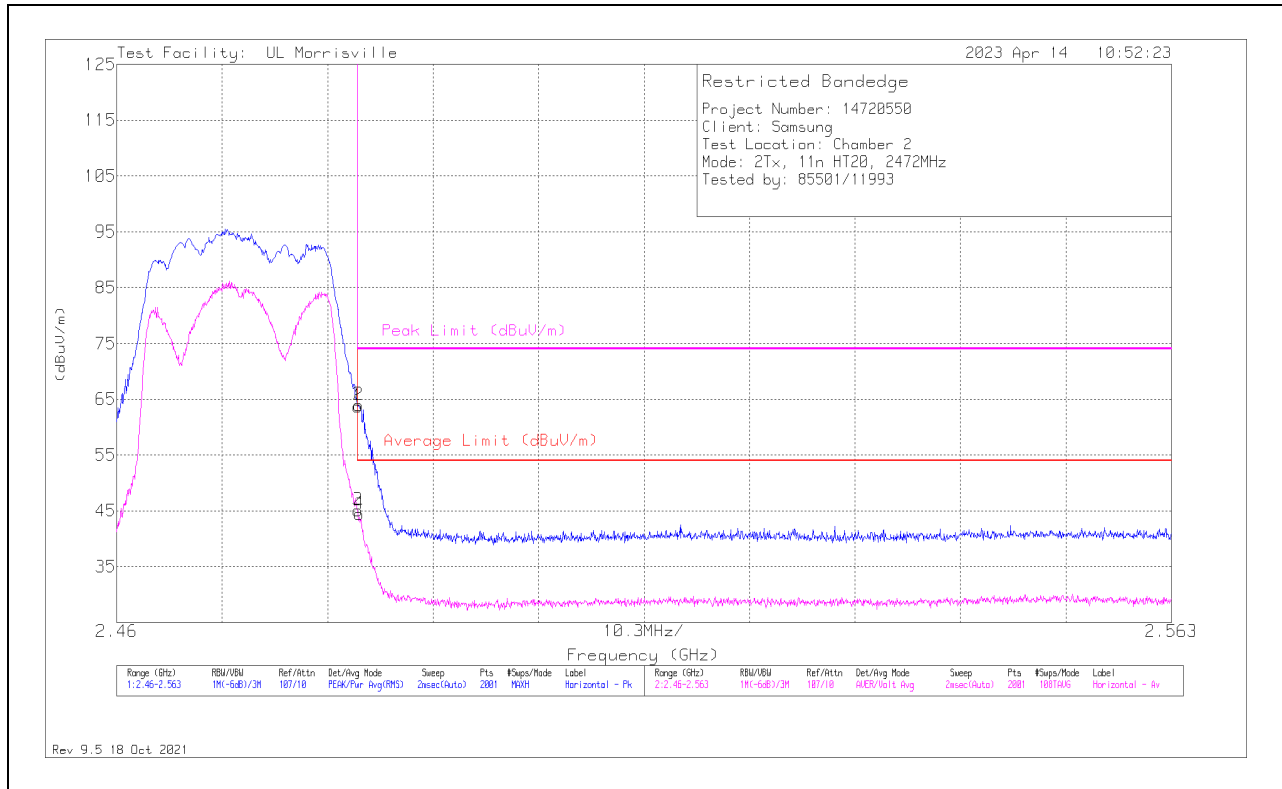
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	55.74	Pk	32.3	-24.3	0	63.74	-	-	74	-10.26	149	258	H
2	* ** 2.48364	55.99	Pk	32.3	-24.3	0	63.99	-	-	74	-10.01	149	258	H
3	* ** 2.48354	36.35	ADV	32.3	-24.3	.71	45.06	54	-8.94	-	-	149	257	H
4	* ** 2.48369	35.81	ADV	32.3	-24.3	.71	44.52	54	-9.48	-	-	149	257	H

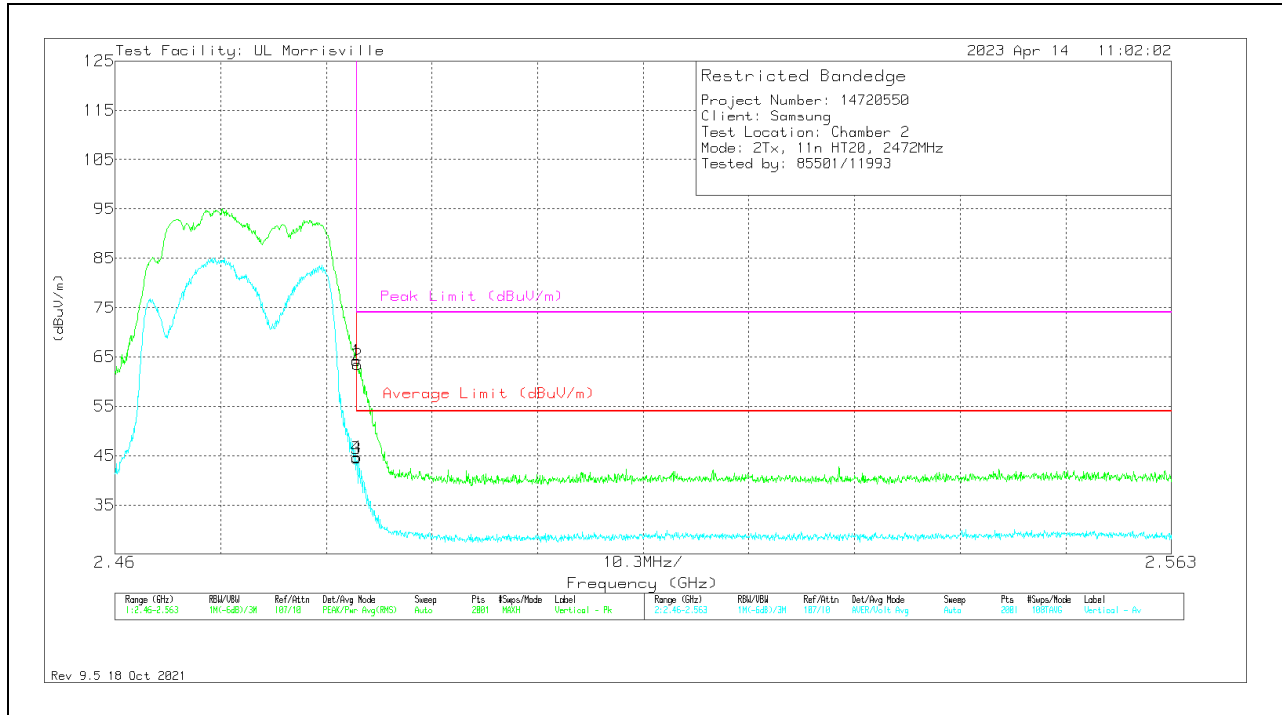
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV -Linear Voltage Average

VERTICAL RESULT



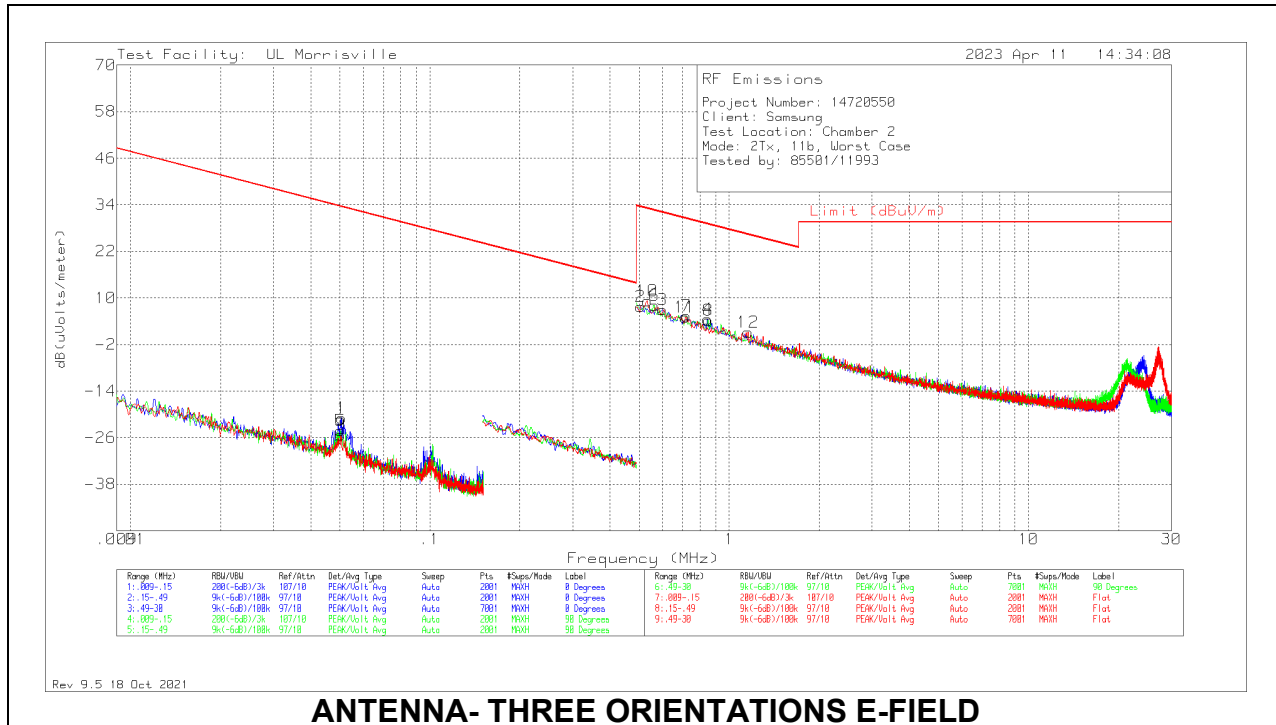
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	56.33	Pk	32.3	-24.3	0	64.33	-	-	74	-9.67	120	153	V
2	* ** 2.48364	55.4	Pk	32.3	-24.3	0	63.4	-	-	74	-10.6	120	153	V
3	* ** 2.48354	35.77	ADV	32.3	-24.3	.71	44.48	54	-9.52	-	-	120	153	V
4	* ** 2.48359	35.99	ADV	32.3	-24.3	.71	44.70	54	-9.30	-	-	120	153	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

10.2. WORST CASE BELOW 30MHZ

Note for below 30 MHz scans: All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz – 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were 40*Log (test distance / specification distance).

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION, E-FIELD)



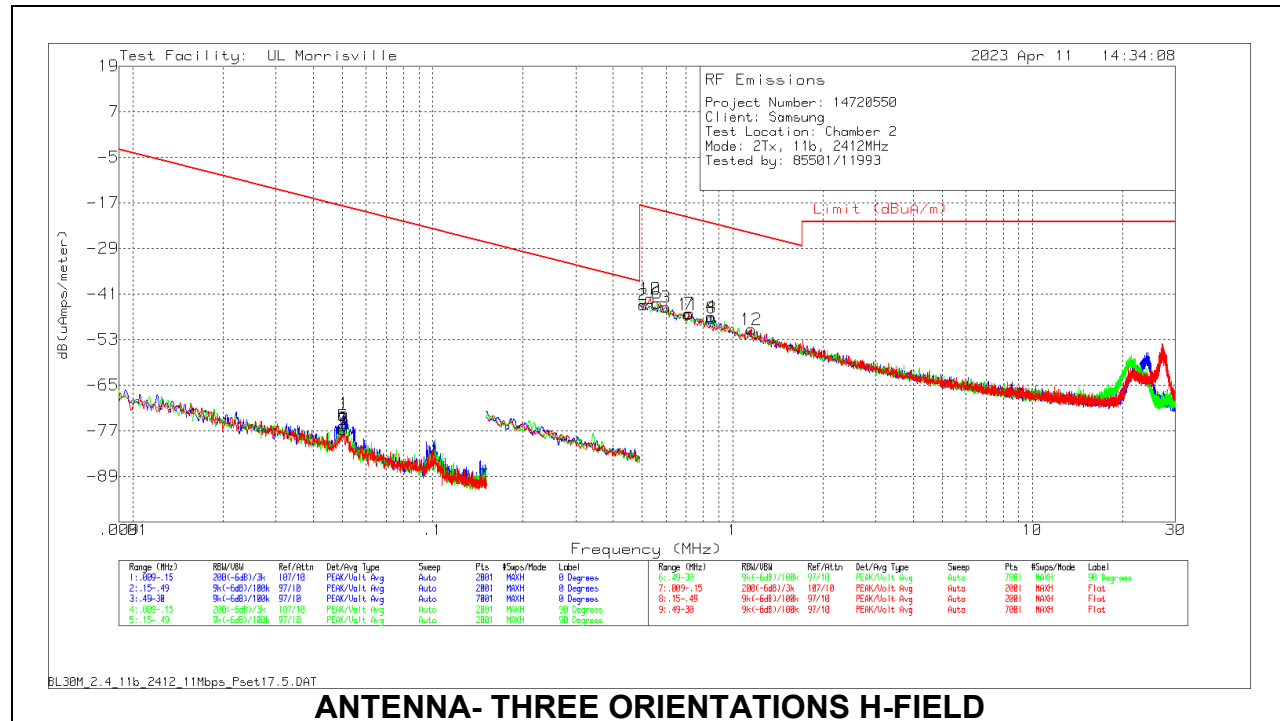
ANTENNA- THREE ORIENTATIONS E-FIELD

Below 30MHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	135144 (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
5	.05032	43.14	Pk	12.6	.1	-80	-24.16	33.57	53.57	-57.73	0-360	90 degs
9	.05039	42.07	Pk	12.6	.1	-80	-25.23	33.56	53.56	-58.79	0-360	Flat
1	.05068	46.4	Pk	12.6	.1	-80	-20.9	33.51	53.51	-54.41	0-360	0 degs
2	.50476	35.4	Pk	12.2	.1	-40	7.7	33.54	-	-25.84	0-360	0 degs
10	.53216	36.92	Pk	12.2	.1	-40	9.22	33.08	-	-23.86	0-360	Flat
6	.56167	35.81	Pk	12.2	.1	-40	8.11	32.61	-	-24.5	0-360	90 degs
3	.59962	34.55	Pk	12.2	.2	-40	6.95	32.05	-	-25.1	0-360	0 degs
11	.71345	32.67	Pk	12.2	.2	-40	5.07	30.54	-	-25.47	0-360	Flat
7	.71766	32.99	Pk	12.2	.2	-40	5.39	30.49	-	-25.1	0-360	90 degs
4	.84836	32.19	Pk	12.2	.2	-40	4.59	29.03	-	-24.44	0-360	0 degs
8	.85258	31.79	Pk	12.2	.2	-40	4.19	28.99	-	-24.8	0-360	90 degs
12	1.15613	28.73	Pk	12.2	.2	-40	1.13	26.34	-	-25.21	0-360	Flat

Pk - Peak detector

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION, H-FIELD)



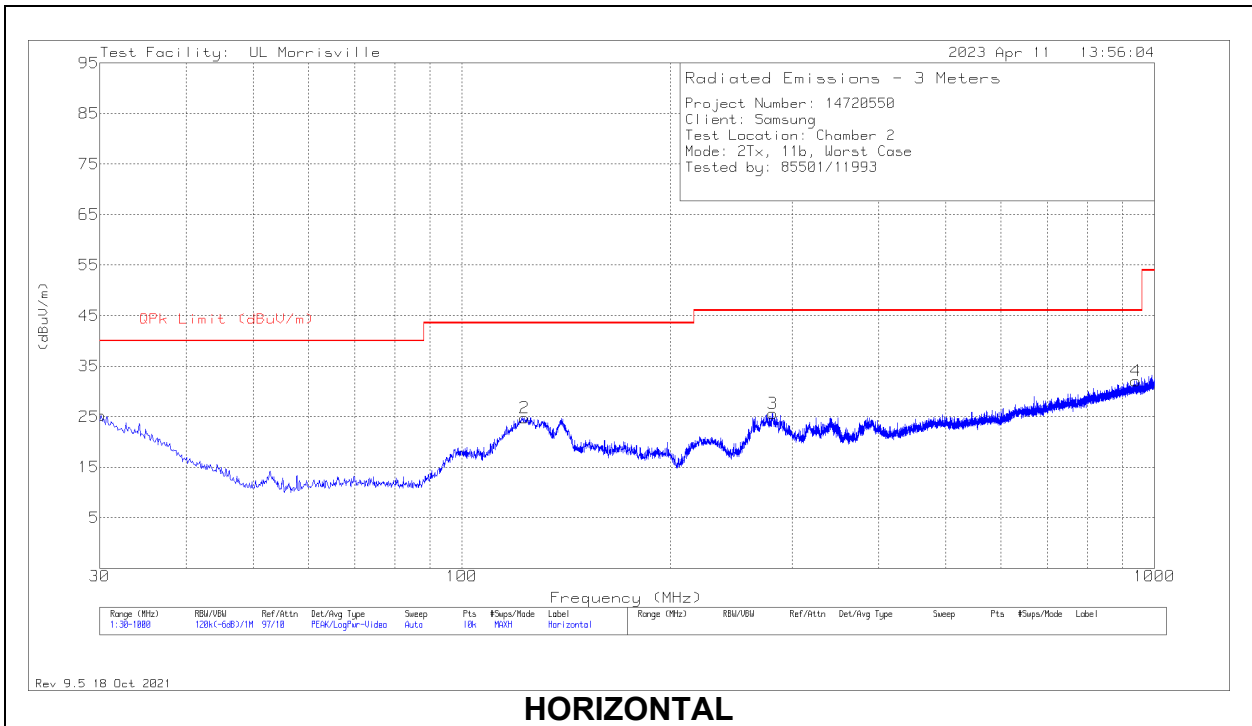
ANTENNA- THREE ORIENTATIONS H-FIELD

Below 30MHz Data

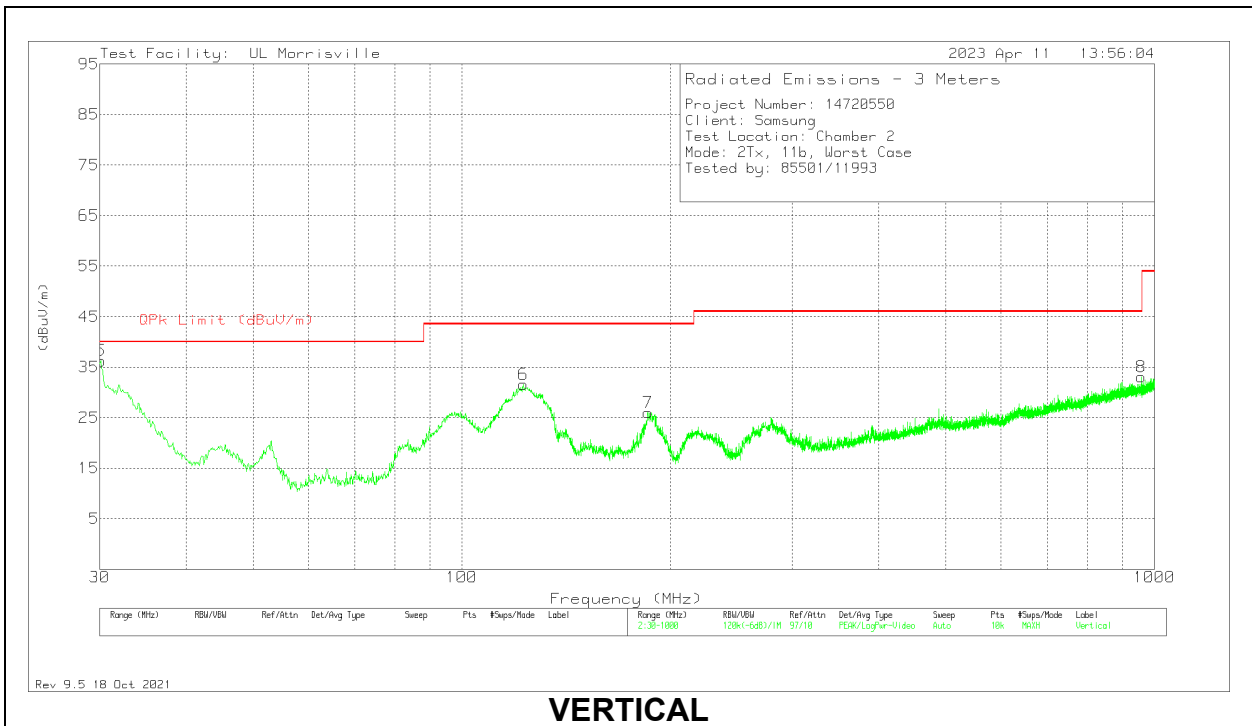
Marker	Frequency (MHz)	Meter Reading (dBuA)	Det	135144 (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uAmps/meter)	QP/AV Limit (dBuA/m)	PK Limit (dBuA/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
5	.05032	43.14	Pk	-38.9	.1	-80	-75.66	-17.93	2.07	-57.73	0-360	90 degs
9	.05039	42.07	Pk	-38.9	.1	-80	-76.73	-17.94	2.06	-58.79	0-360	Flat
1	.05068	46.4	Pk	-38.9	.1	-80	-72.4	-17.99	2.01	-54.41	0-360	0 degs
2	.50476	35.4	Pk	-39.3	.1	-40	-43.8	-17.96	-	-25.84	0-360	0 degs
10	.53216	36.92	Pk	-39.3	.1	-40	-42.28	-18.42	-	-23.86	0-360	Flat
6	.56167	35.81	Pk	-39.3	.1	-40	-43.39	-18.89	-	-24.5	0-360	90 degs
3	.59962	34.55	Pk	-39.3	.2	-40	-44.55	-19.45	-	-25.1	0-360	0 degs
11	.71345	32.67	Pk	-39.3	.2	-40	-46.43	-20.96	-	-25.47	0-360	Flat
7	.71766	32.99	Pk	-39.3	.2	-40	-46.11	-21.01	-	-25.1	0-360	90 degs
4	.84836	32.19	Pk	-39.3	.2	-40	-46.91	-22.47	-	-24.44	0-360	0 degs
8	.85258	31.79	Pk	-39.3	.2	-40	-47.31	-22.51	-	-24.8	0-360	90 degs
12	1.15613	28.73	Pk	-39.3	.2	-40	-50.37	-25.16	-	-25.21	0-360	Flat

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHZ



HORIZONTAL



VERTICAL

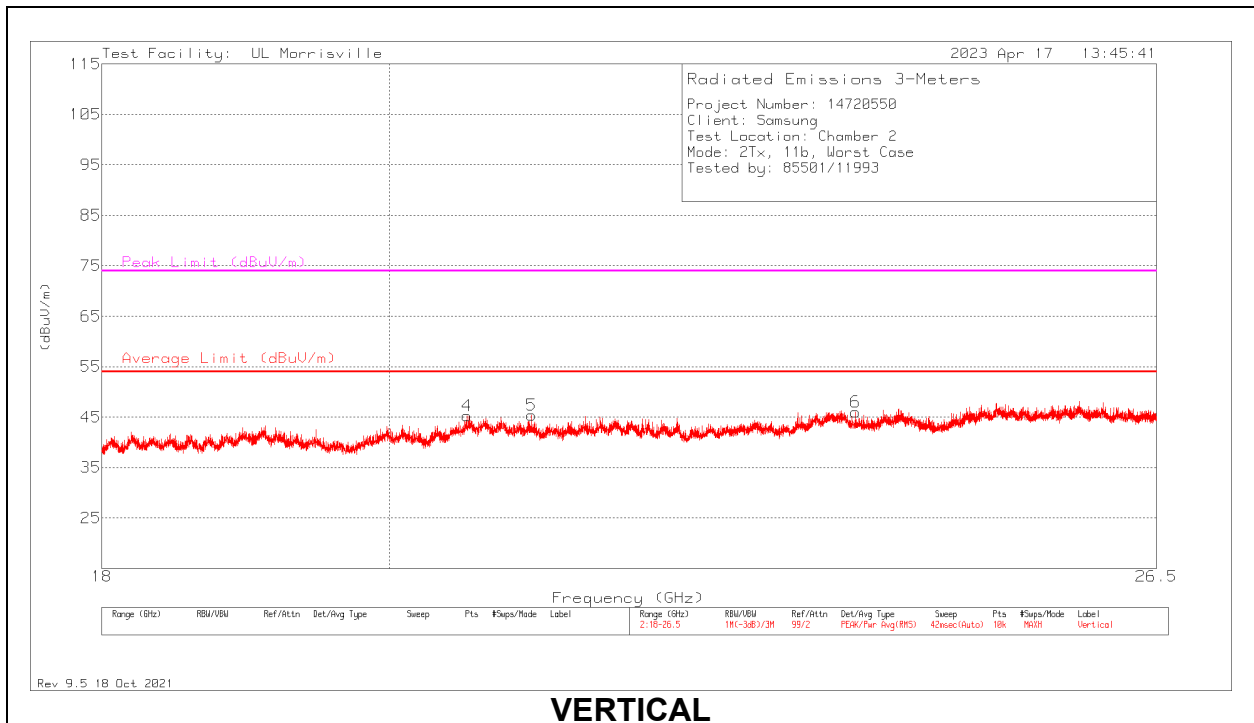
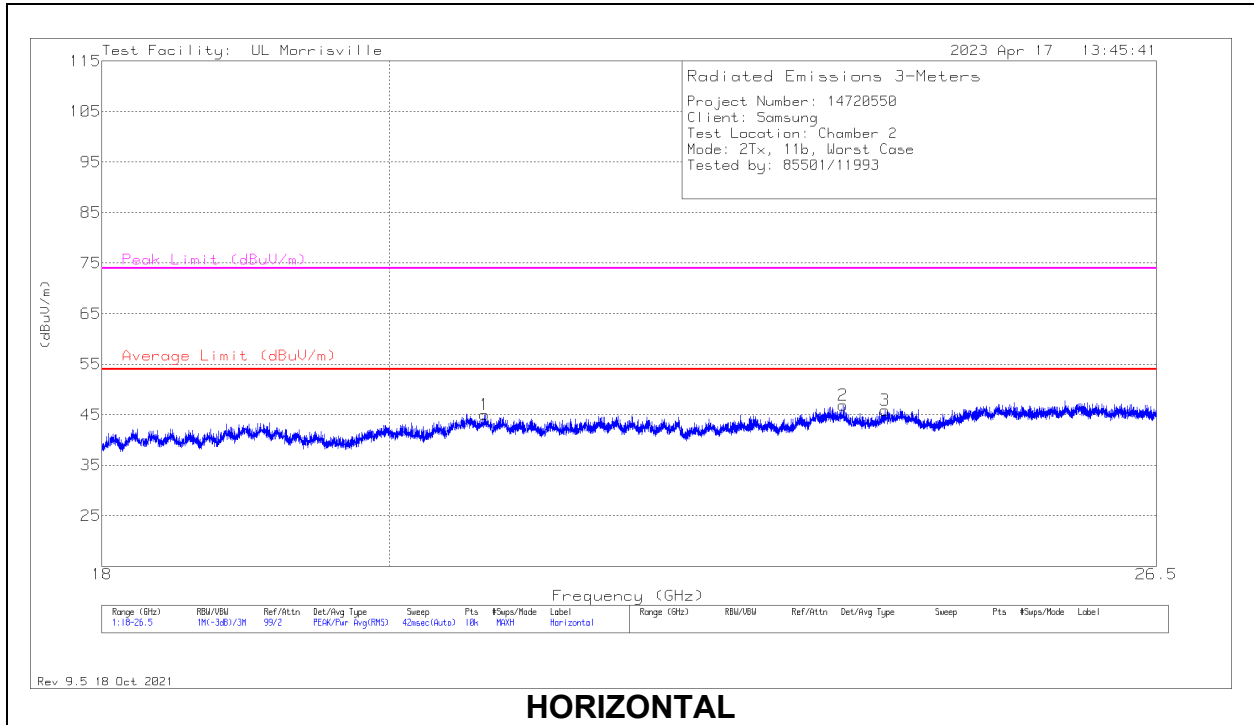
Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90627 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.097	29.56	Pk	27.2	-31.5	25.26	40	-14.74	0-360	198	H
5	30.0607	31.92	Qp	27.2	-31.5	27.62	40	-12.38	105	145	V
6	122.732	42.01	Pk	19.9	-30.3	31.61	43.52	-11.91	0-360	101	V
2	123.217	35.04	Pk	19.9	-30.2	24.74	43.52	-18.78	0-360	198	H
7	185.588	38.21	Pk	17.5	-29.7	26.01	43.52	-17.51	0-360	101	V
3	281.133	35.38	Pk	19.3	-29	25.68	46.02	-20.34	0-360	99	H
4	940.345	28.74	Pk	28.3	-25	32.04	46.02	-13.98	0-360	398	H
8	957.902	29.58	Pk	28.4	-24.9	33.08	46.02	-12.94	0-360	199	V

Pk - Peak detector

Qp - Quasi-Peak detector

10.4. WORST CASE 18-26 GHZ



18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 20.71463	49.66	Pk	34	-38.6	0	45.06	54	-8.94	74	-28.94	0-360	250	H
2	* ** 23.62134	49.42	Pk	35.2	-37.7	0	46.92	54	-7.08	74	-27.08	0-360	149	H
3	* ** 23.9919	48.16	Pk	35.1	-37.4	0	45.86	54	-8.14	74	-28.14	0-360	300	H
4	* ** 20.58034	49.58	Pk	34.1	-38.4	0	45.28	54	-8.72	74	-28.72	0-360	151	V
5	* ** 21.07329	49.8	Pk	34	-38.4	0	45.4	54	-8.6	74	-28.6	0-360	101	V
6	* ** 23.73353	48.59	Pk	35.1	-37.7	0	45.99	54	-8.01	74	-28.01	0-360	300	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)
RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

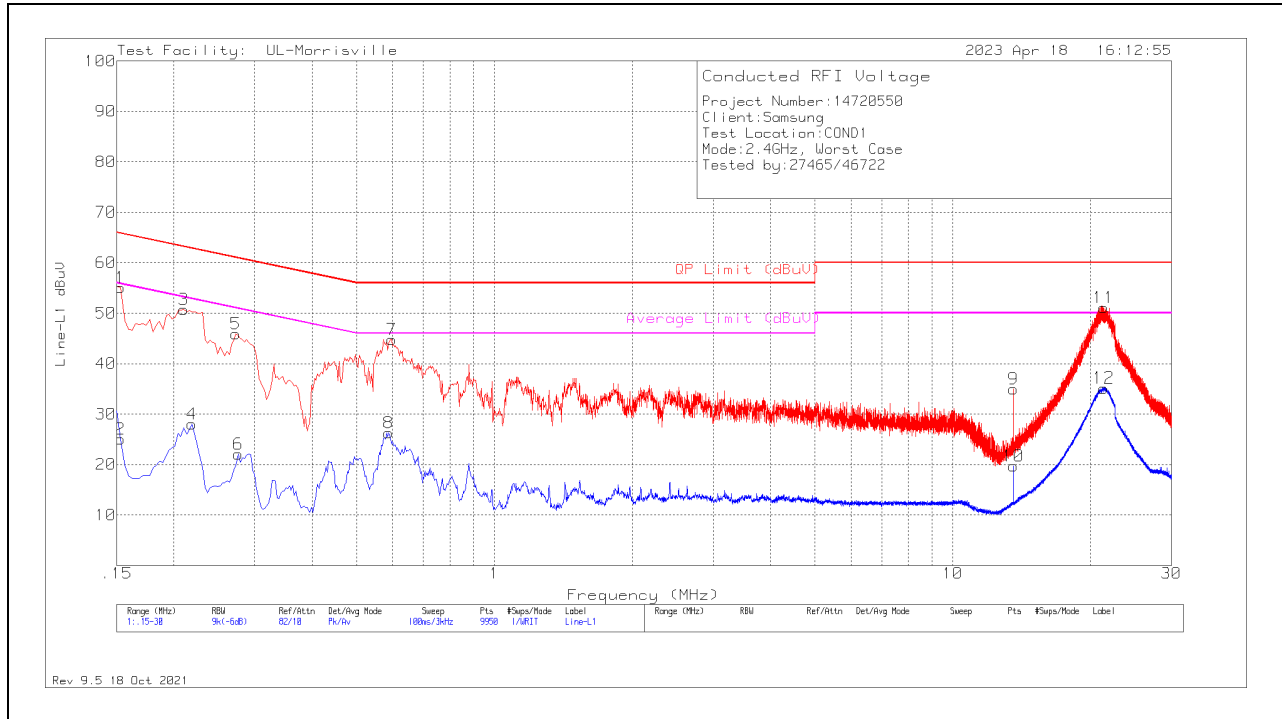
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1.1. AC Power Line Norm

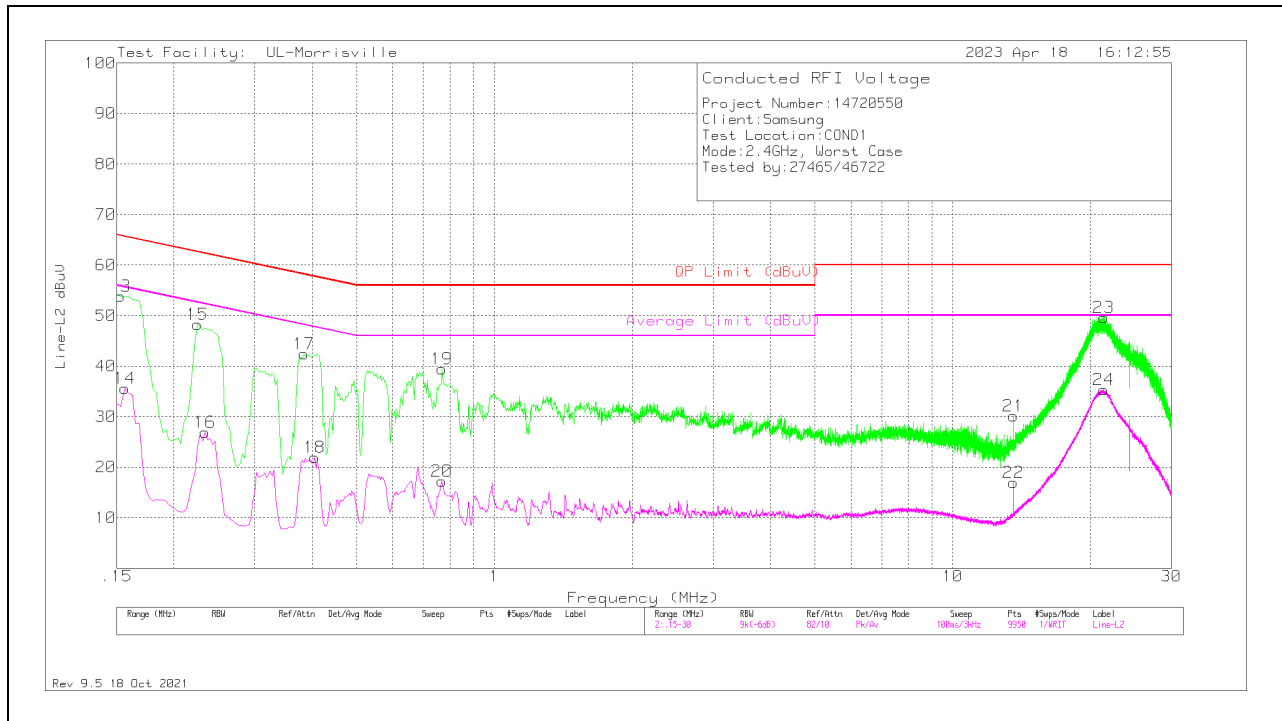
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.153	45.1	Pk	.2	9.8	55.1	65.84	-10.74	-	-
2	.153	15.07	Av	.2	9.8	25.07	-	-	55.84	-30.77
3	.21	40.81	Pk	.1	9.8	50.71	63.21	-12.5	-	-
4	.219	18.12	Av	.1	9.8	28.02	-	-	52.86	-24.84
5	.273	35.97	Pk	.1	9.8	45.87	61.03	-15.16	-	-
6	.276	12.19	Av	.1	9.8	22.09	-	-	50.94	-28.85
7	.597	35.03	Pk	0	9.8	44.83	56	-11.17	-	-
8	.588	16.5	Av	0	9.8	26.3	-	-	46	-19.7
9	13.56	24.87	Pk	.1	10	34.97	60	-25.03	-	-
10	13.56	9.6	Av	.1	10	19.7	-	-	50	-30.3
11	21.324	40.76	Pk	.2	10.2	51.16	60	-8.84	-	-
12	21.342	24.76	Av	.2	10.2	35.16	-	-	50	-14.84

Pk - Peak detector
 Av - Average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.153	43.86	Pk	.2	9.8	53.86	65.84	-11.98	-	-
14	.156	25.59	Av	.2	9.8	35.59	-	-	55.67	-20.08
15	.225	38.33	Pk	.1	9.8	48.23	62.63	-14.4	-	-
16	.234	17	Av	.1	9.8	26.9	-	-	52.31	-25.41
17	.384	32.52	Pk	.1	9.8	42.42	58.19	-15.77	-	-
18	.405	12.09	Av	0	9.8	21.89	-	-	47.75	-25.86
19	.768	29.68	Pk	0	9.8	39.48	56	-16.52	-	-
20	.768	7.42	Av	0	9.8	17.22	-	-	46	-28.78
21	13.56	20.03	Pk	.1	10	30.13	60	-29.87	-	-
22	13.56	6.84	Av	.1	10	16.94	-	-	50	-33.06
23	21.327	39.19	Pk	.2	10.2	49.59	60	-10.41	-	-
24	21.324	24.9	Av	.2	10.2	35.3	-	-	50	-14.7

Pk - Peak detector
 Av - Average detection

12. SETUP PHOTOS

Please refer to R14720550-EP1 for setup photos

END OF TEST REPORT