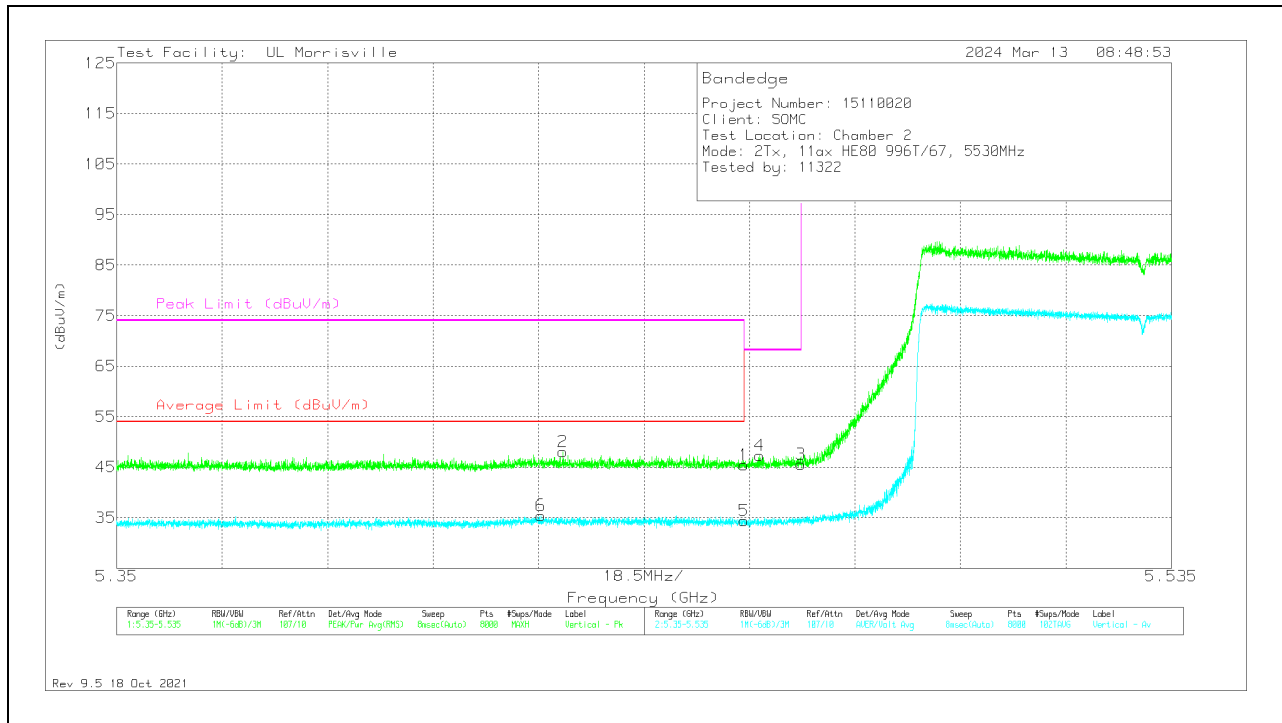


VERTICAL RESULT

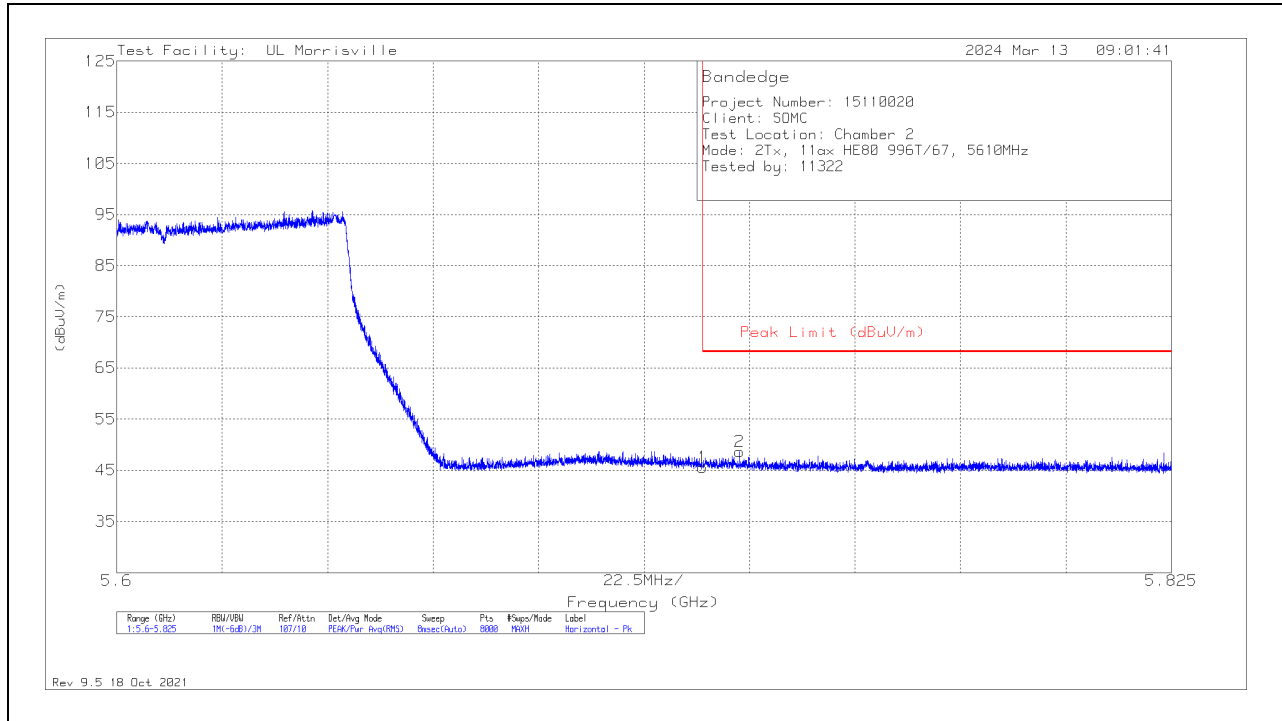


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.46	34.26	Pk	34.5	-23.3	0	45.46	-	-	74	-28.54	144	281	V
2	*** 5.42829	36.63	Pk	34.5	-23.1	0	48.03	-	-	74	-25.97	144	281	V
5	*** 5.46	22.96	ADV	34.5	-23.3	.24	34.4	54	-19.6	-	-	144	281	V
6	*** 5.42438	23.81	ADV	34.4	-23	.24	35.45	54	-18.55	-	-	144	281	V
4	5.46273	36.22	Pk	34.5	-23.4	0	47.32	-	-	68.2	-20.88	144	281	V
3	5.46999	34.25	Pk	34.5	-23.2	0	45.55	-	-	68.2	-22.65	144	281	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)

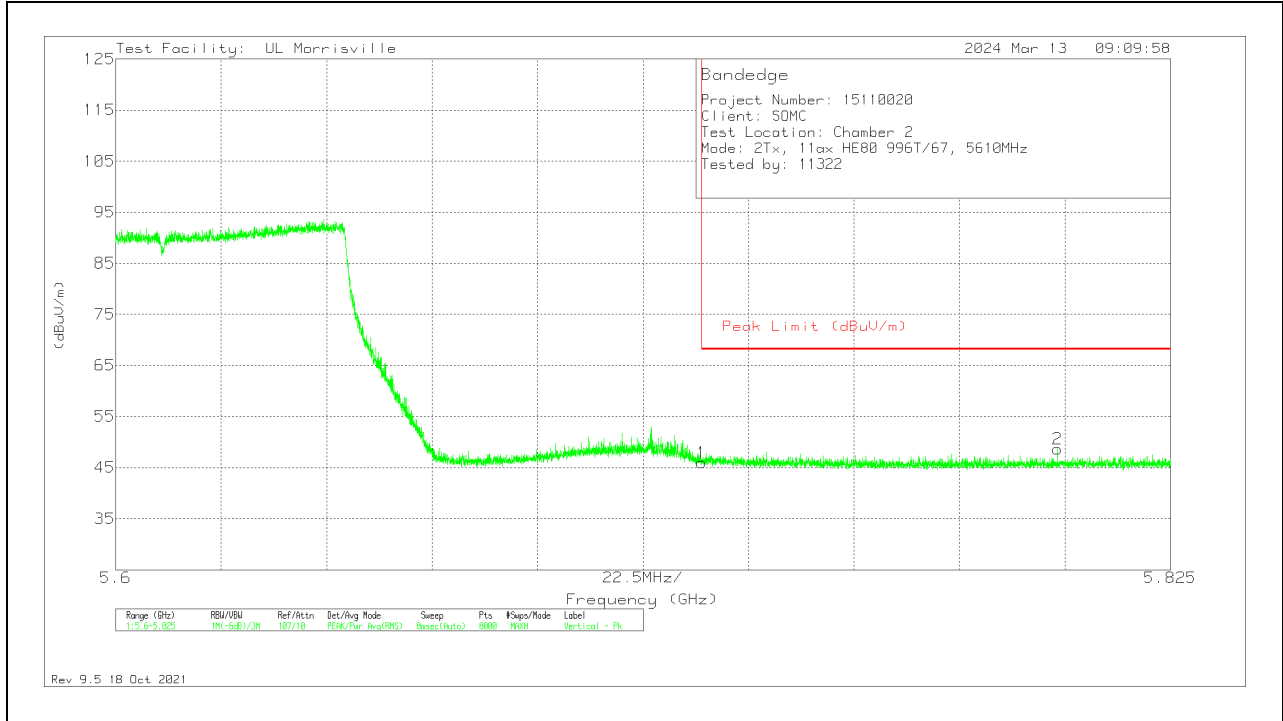
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	33.82	Pk	34.7	-23	0	45.52	68.2	-22.68	72	268	H
2	5.73288	36.84	Pk	34.7	-22.9	0	48.64	68.2	-19.56	72	268	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	34.25	Pk	34.7	-23	45.95	68.2	-22.25	169	284	V
2	5.8009	36.81	Pk	34.8	-23	48.61	68.2	-19.59	169	284	V

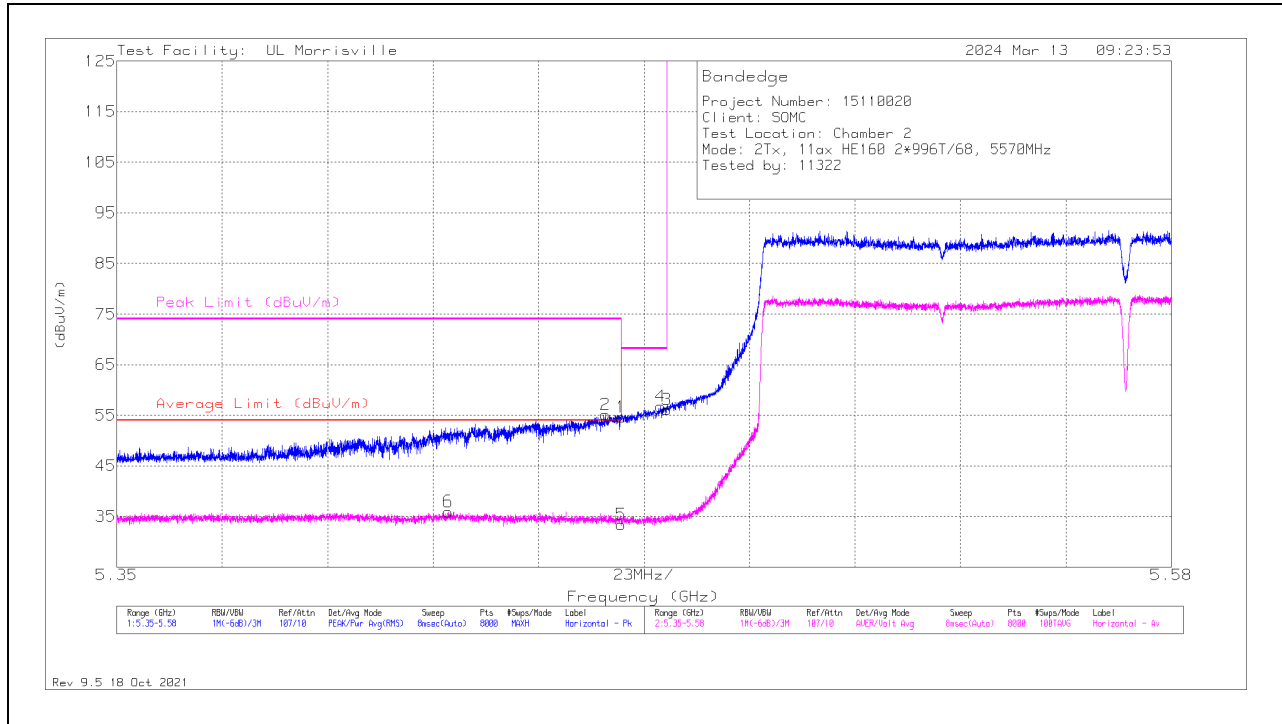
Pk - Peak detector

10.1.11. 802.11ax HE160 MODE IN THE 5.6GHz BAND

2TX 2x996T MODE

BANDEDGE (MID CHANNEL LOW EDGE)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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	*** 5.45998	43.41	Pk	34.5	-23.3	0	54.61	-	-	74	-19.39	346	266	H
2	*** 5.45662	43.8	Pk	34.5	-23.2	0	55.1	-	-	74	-18.9	346	266	H
5	** 5.45998	22.26	ADV	34.5	-23.3	0	33.46	54	-20.54	-	-	346	266	H
6	** 5.42223	24.45	ADV	34.4	-22.9	0	35.95	54	-18.05	-	-	346	266	H
4	5.46858	45.6	Pk	34.5	-23.3	0	56.8	-	-	68.2	-11.4	346	266	H
3	5.46999	44.86	Pk	34.5	-23.2	0	56.16	-	-	68.2	-12.04	346	266	H

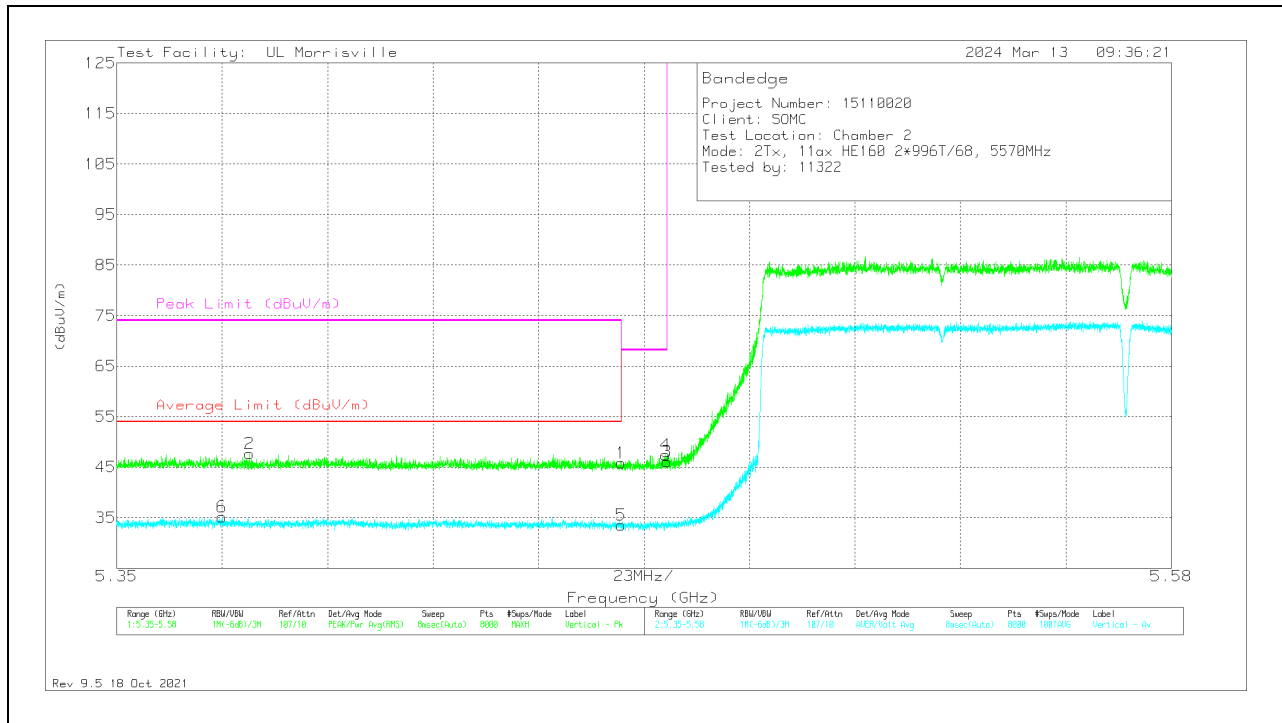
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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	*** 5.45998	34.67	Pk	34.5	-23.3	0	45.87	-	-	74	-28.13	172	315	V
2	*** 5.3789	36.53	Pk	34.4	-23.2	0	47.73	-	-	74	-26.27	172	315	V
5	*** 5.45998	22.3	ADV	34.5	-23.3	0	33.5	54	-20.5	-	-	172	315	V
6	*** 5.373	23.73	ADV	34.4	-23	0	35.13	54	-18.87	-	-	172	315	V
4	5.46967	36.1	Pk	34.5	-23.2	0	47.4	-	-	68.2	-20.8	172	315	V
3	5.46999	34.79	Pk	34.5	-23.2	0	46.09	-	-	68.2	-22.11	172	315	V

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

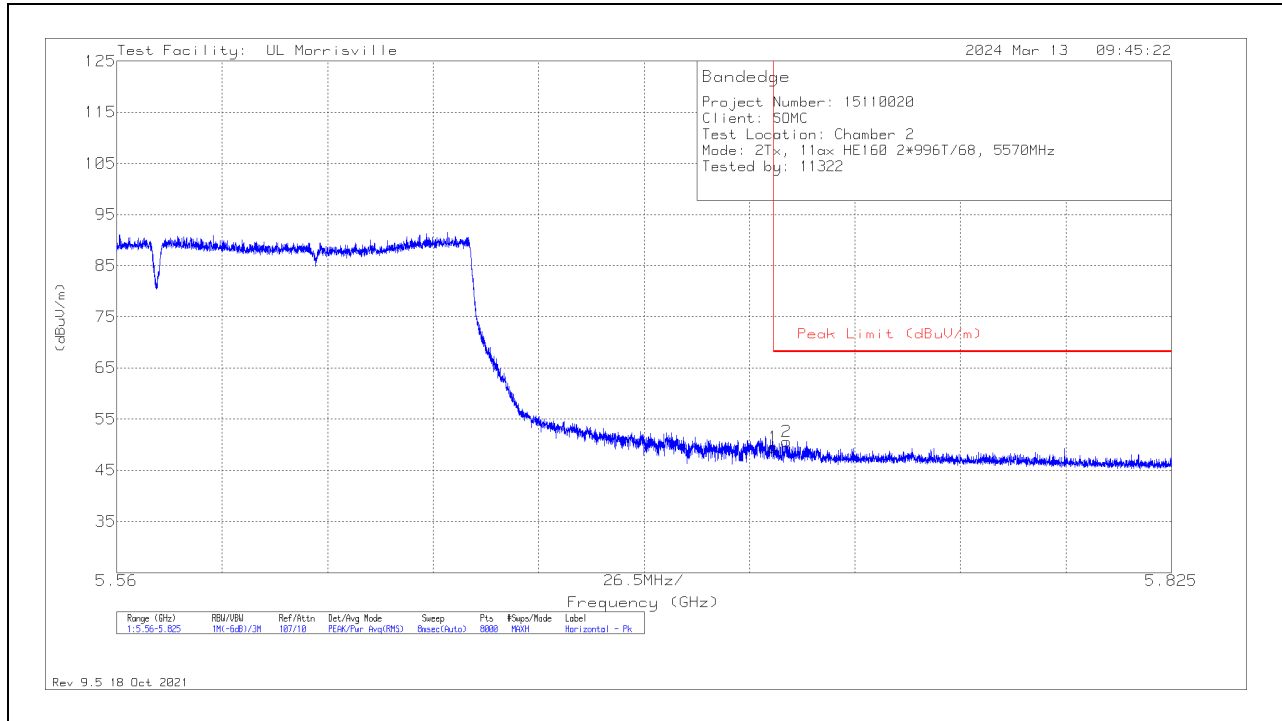
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (MID CHANNEL HIGH EDGE)

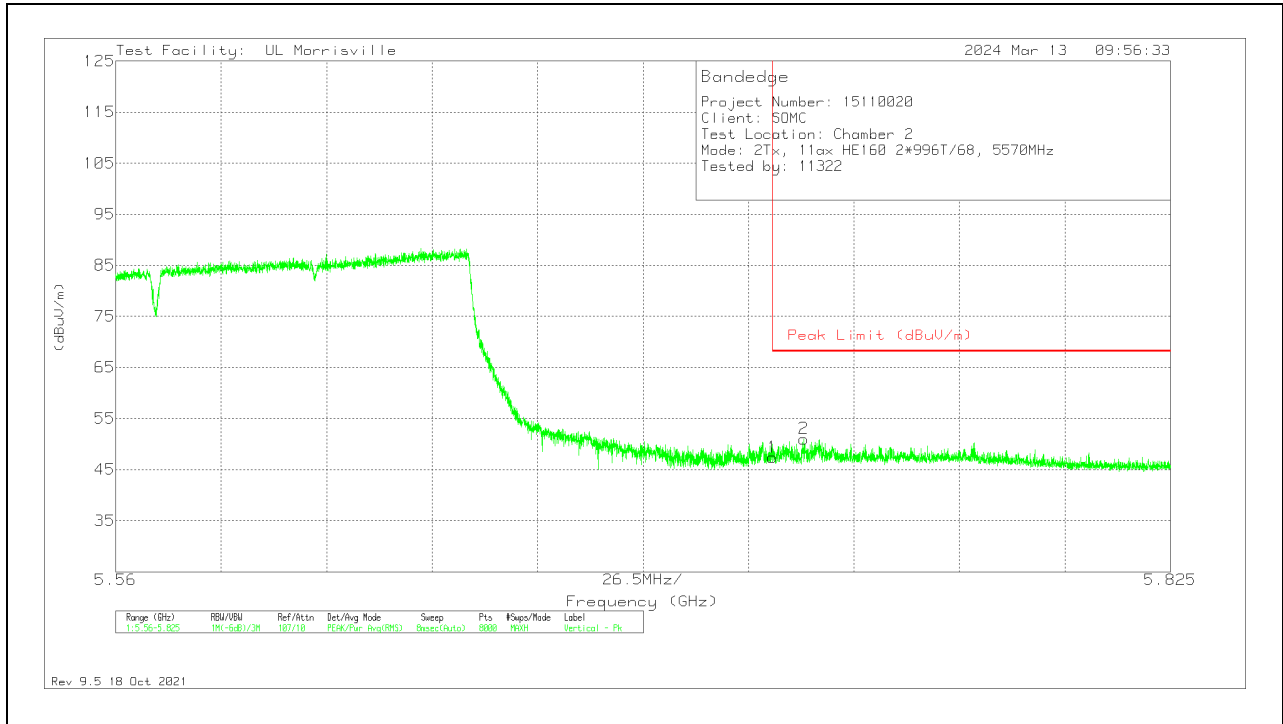
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	37.77	Pk	34.7	-23	49.47	68.2	-18.73	338	239	H
2	5.7283	38.84	Pk	34.7	-22.9	50.64	68.2	-17.56	338	239	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	35.7	Pk	34.7	-23	47.4	68.2	-20.8	145	278	V
2	5.7329	39.24	Pk	34.7	-22.9	51.04	68.2	-17.16	145	278	V

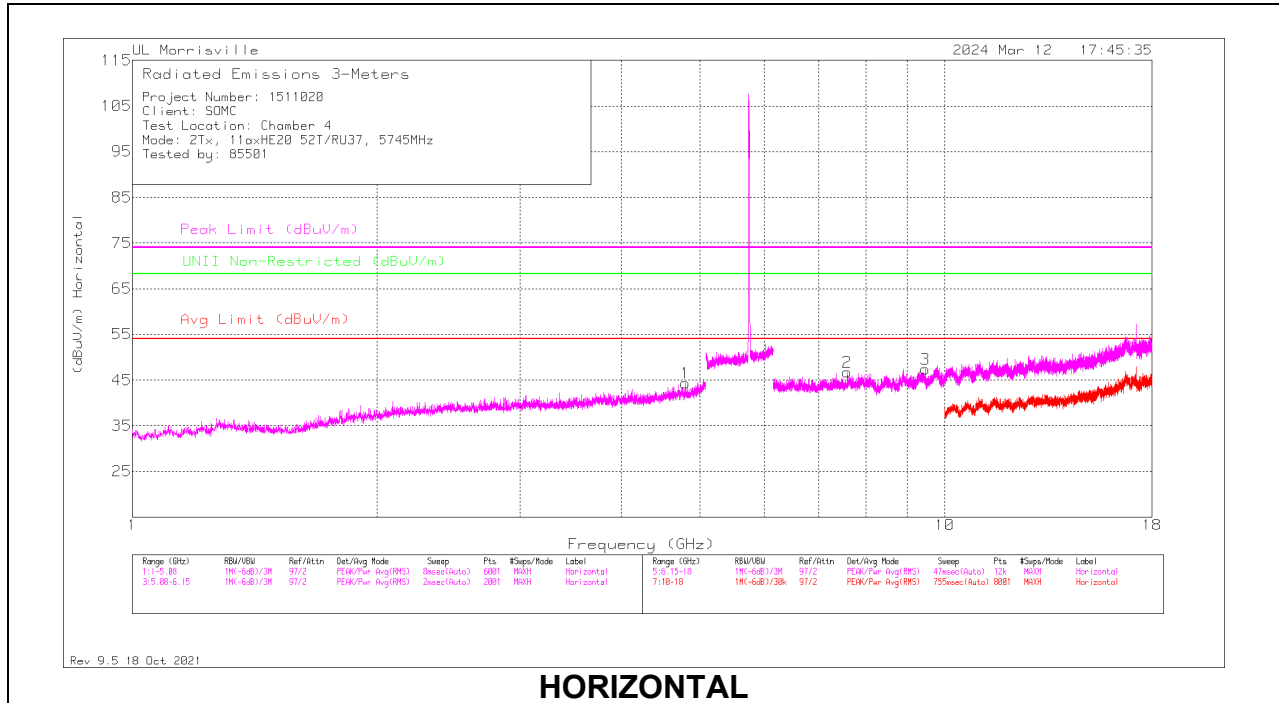
Pk - Peak detector

10.1.12. 802.11ax HE20 MODE IN THE 5.8GHz BAND

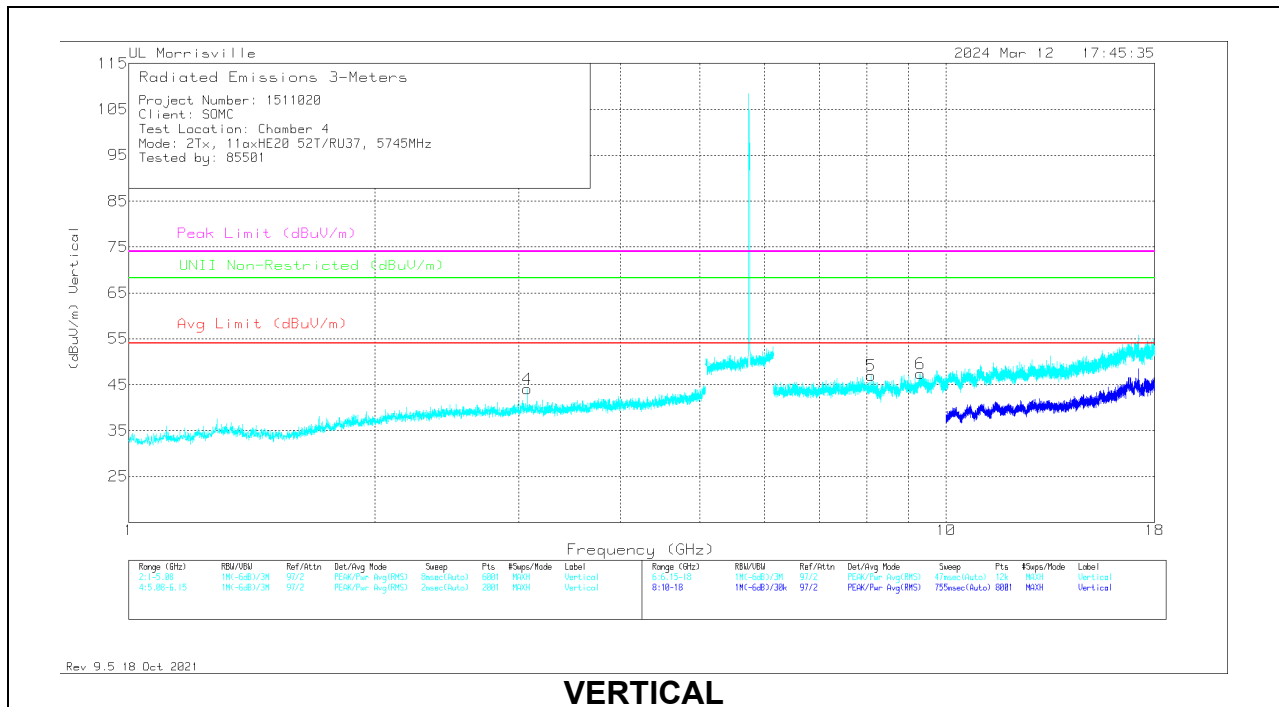
2TX 52T MODE

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



HORIZONTAL



VERTICAL

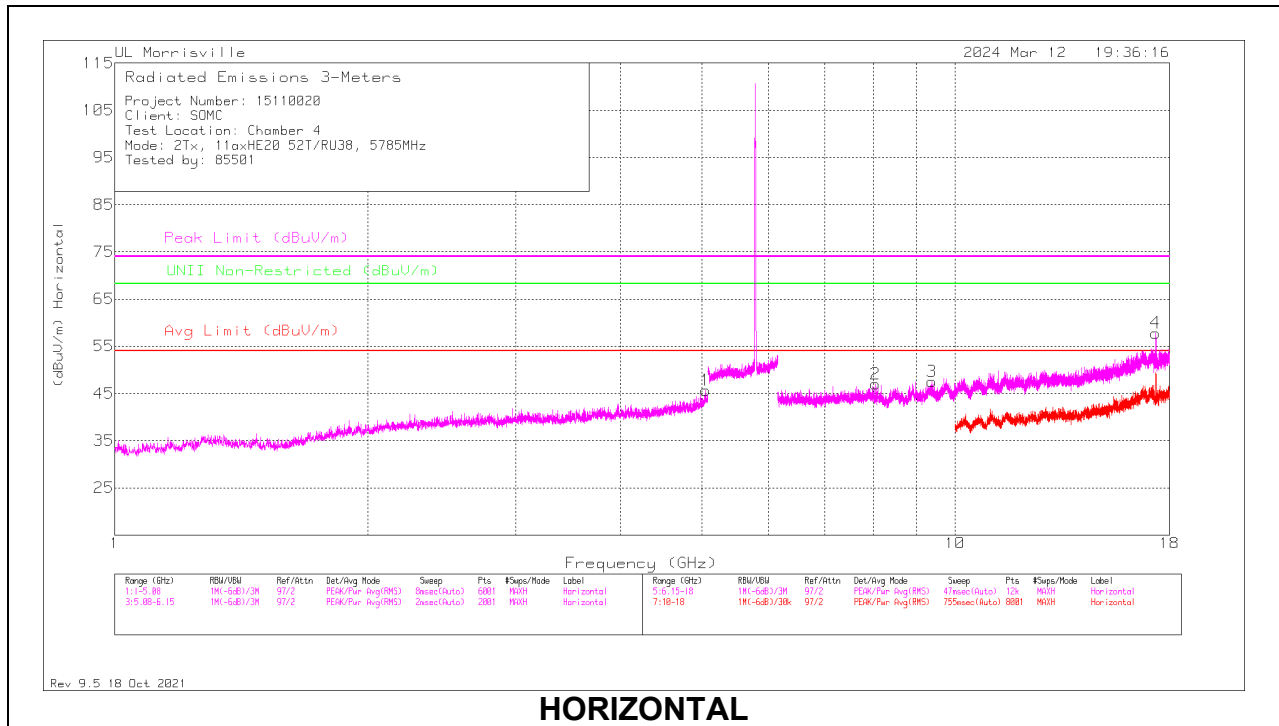
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.79508	40.72	Pk	34.1	-30.5	44.32	54	-9.68	74	-29.68	-	-	0-360	100	H
2	* ** 7.58583	38.59	Pk	35.7	-27.6	46.69	54	-7.31	74	-27.31	-	-	0-360	100	H
3	* ** 9.47096	35.96	Pk	36.7	-25.3	47.36	54	-6.64	74	-26.64	-	-	0-360	100	H
5	* ** 8.10031	38.44	Pk	35.8	-27.2	47.04	54	-6.96	74	-26.96	-	-	0-360	200	V
6	* ** 9.30111	35.98	Pk	36.4	-25	47.38	54	-6.62	74	-26.62	-	-	0-360	200	V
4	3.07604	45.98	Pk	33.1	-35	44.08	54	-9.92	74	-29.92	68.2	-24.12	0-360	200	V

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

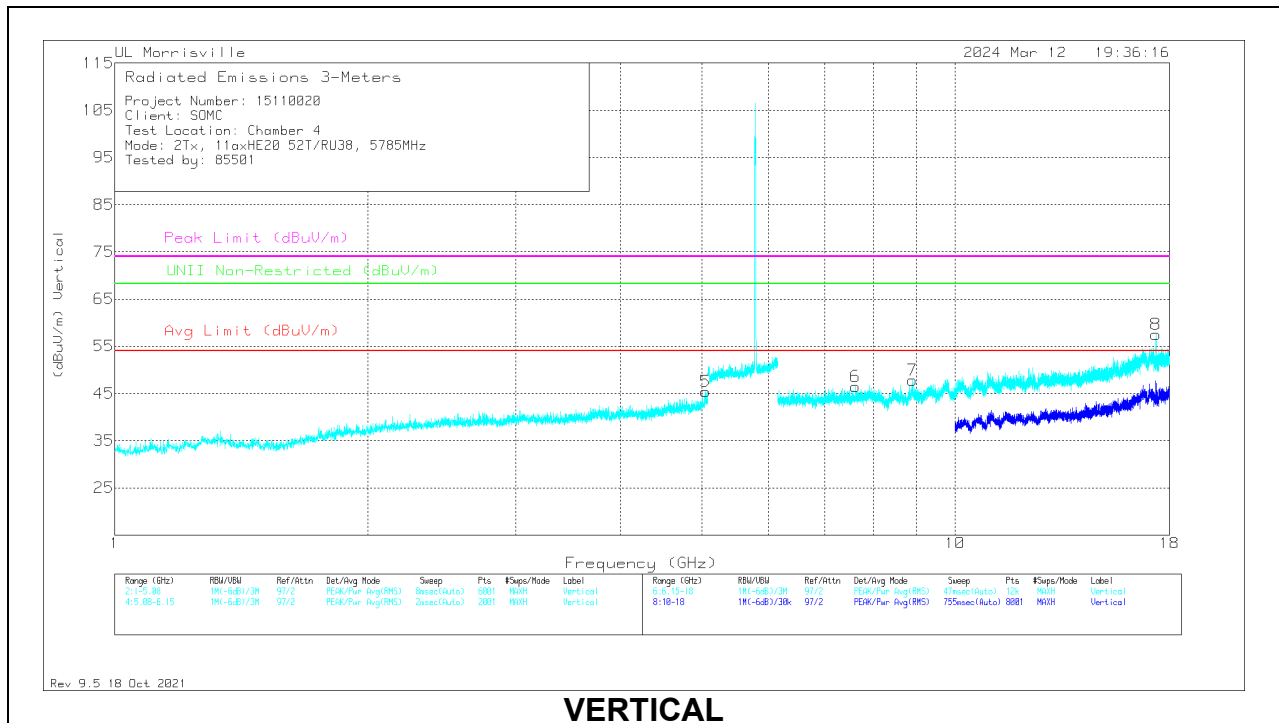
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL



HORIZONTAL



VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.04736	41.18	Pk	34.1	-29.6	45.68	54	-8.32	74	-28.32	-	-	0-360	100	H
5	*** 5.04804	40.83	Pk	34.1	-29.5	45.43	54	-8.57	74	-28.57	-	-	0-360	200	V
2	*** 8.04699	38.7	Pk	35.8	-27.5	47	54	-7	74	-27	-	-	0-360	100	H
3	*** 9.39295	36.32	Pk	36.6	-25.4	47.52	54	-6.48	74	-26.48	-	-	0-360	100	H
6	*** 7.61051	37.92	Pk	35.7	-27.1	46.52	54	-7.48	74	-27.48	-	-	0-360	200	V
7	8.90019	37.58	Pk	36.2	-26	47.78	54	-6.22	74	-26.22	68.2	-20.42	0-360	200	V
4	17.34484	41.35	PK-U	41.2	-20.6	61.95	-	-	74	-12.05	68.2	-6.25	320	182	H
8	17.34788	42.48	PK-U	41.2	-20.8	62.88	-	-	74	-11.12	68.2	-5.32	10	243	V

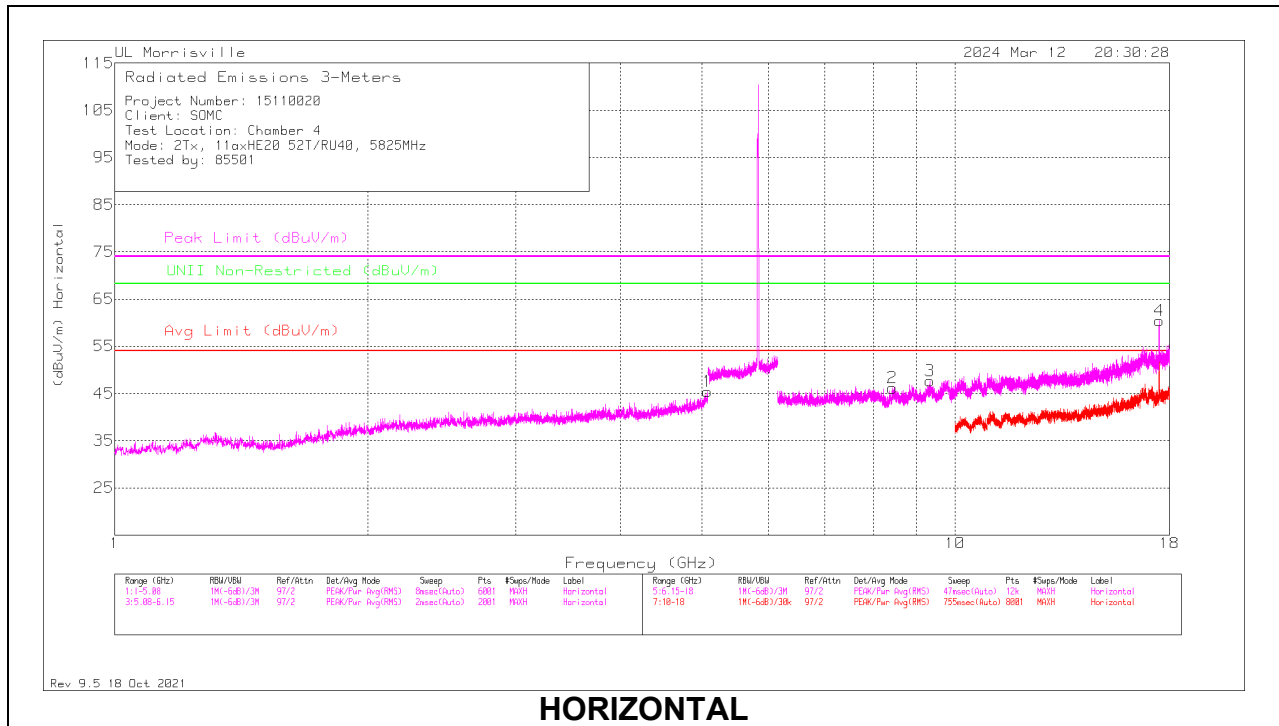
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

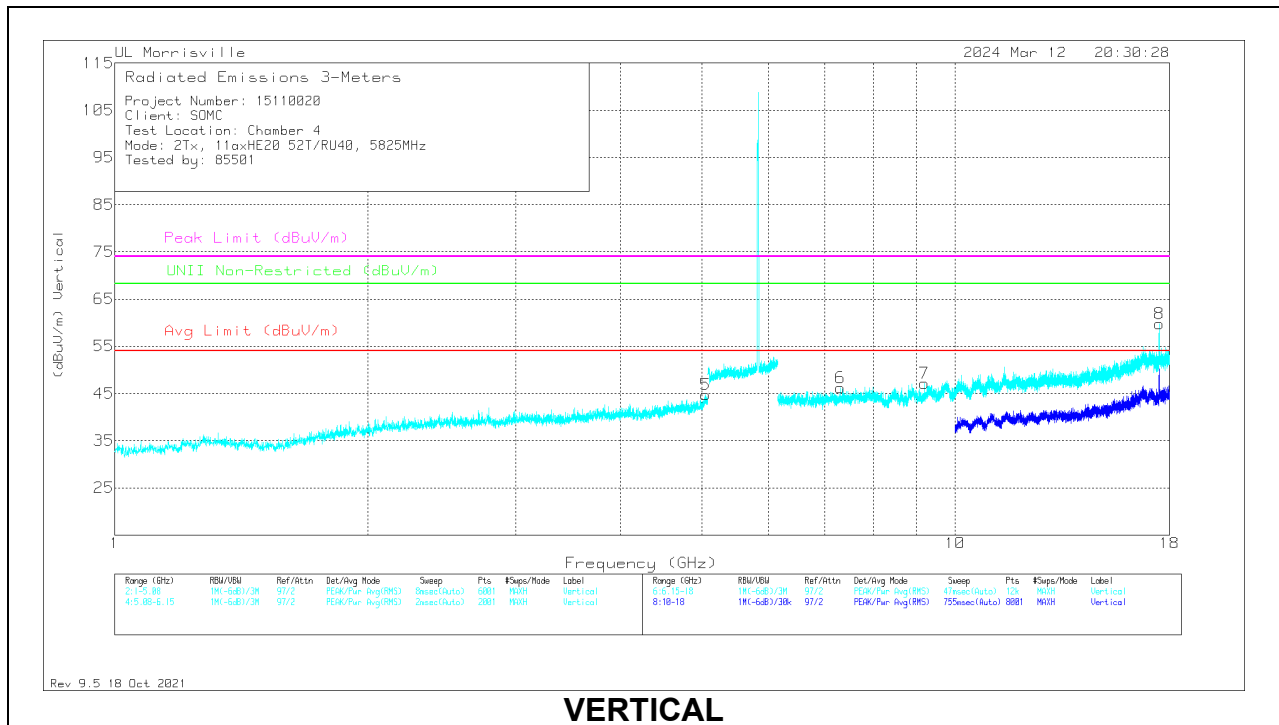
Pk - Peak detector

PK-U - Maximum Peak

HIGH CHANNEL



HORIZONTAL



VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.07252	40.18	Pk	34.1	-28.9	45.38	54	-8.62	74	-28.62	-	-	0-360	100	H
5	* ** 5.04872	40.08	Pk	34.1	-29.4	44.78	54	-9.22	74	-29.22	-	-	0-360	200	V
2	* ** 8.4252	36.54	Pk	35.8	-26.2	46.14	54	-7.86	74	-27.86	-	-	0-360	100	H
3	* ** 9.33271	36.64	Pk	36.5	-25.5	47.64	54	-6.36	74	-26.36	-	-	0-360	100	H
6	* ** 7.30241	37.98	Pk	35.7	-27.5	46.18	54	-7.82	74	-27.82	-	-	0-360	200	V
7	9.20138	36.08	Pk	36.4	-25.4	47.08	54	-6.92	74	-26.92	68.2	-21.12	0-360	200	V
4	17.49894	39.44	PK-U	41.3	-19.3	61.44	-	-	74	-12.56	68.2	-6.76	324	178	H
8	17.50032	43.11	PK-U	41.3	-19.8	64.61	-	-	74	-9.39	68.2	-3.59	8	241	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

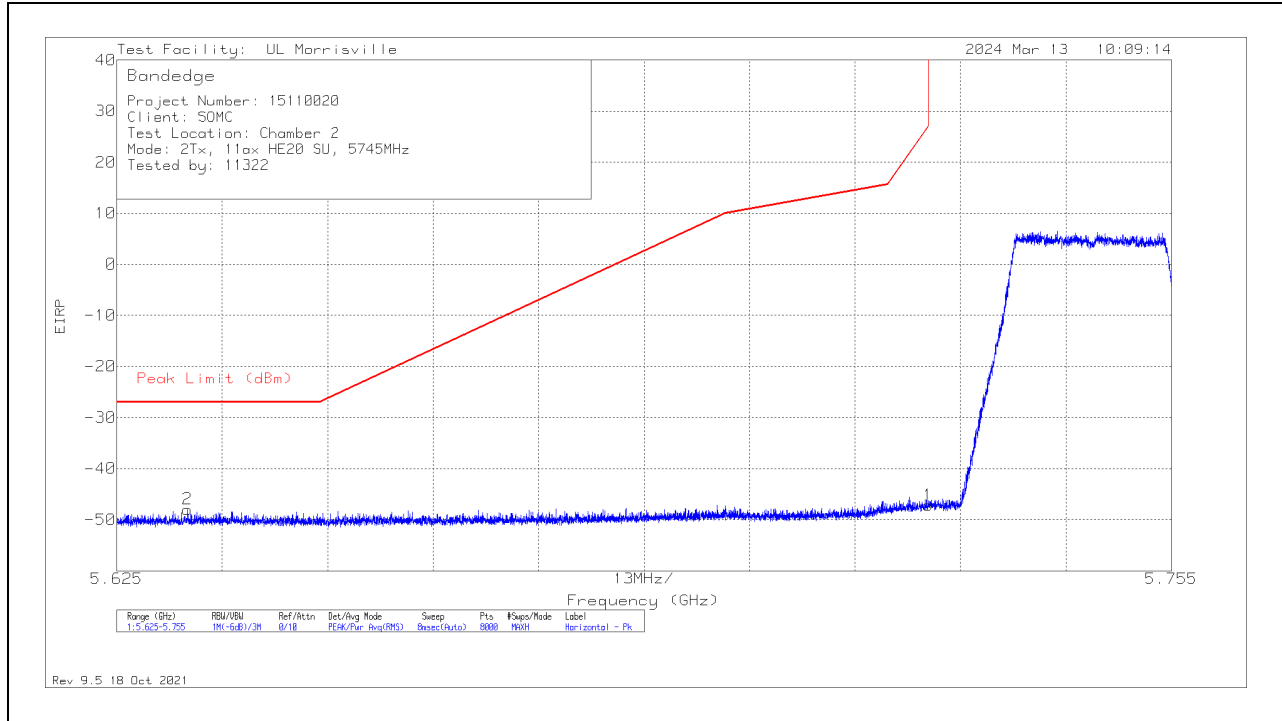
Pk - Peak detector

PK-U - Maximum Peak

2TX SU MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



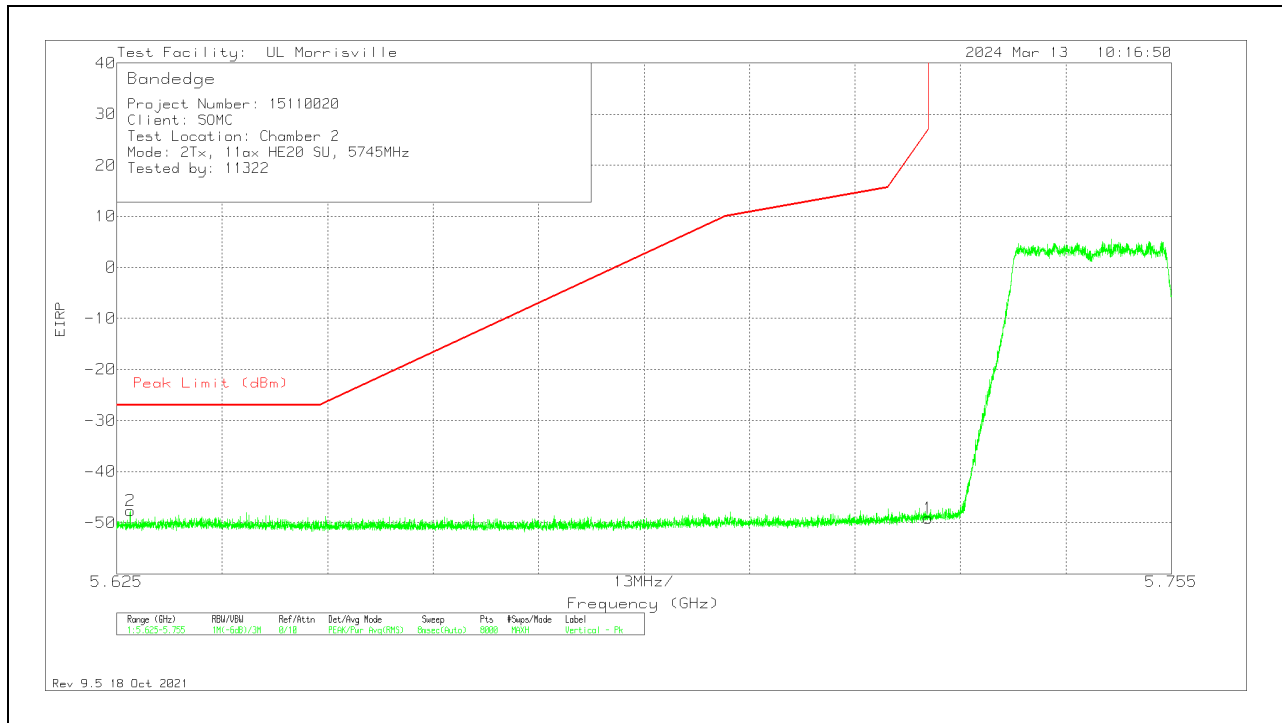
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	86408 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63374	-71.56	Pk	34.6	-22.8	11.8	-47.96	-27	-20.96	86	285	H
1	5.725	-70.58	Pk	34.6	-23	11.8	-47.18	27	-74.18	86	285	H

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	86408 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62666	-71	Pk	34.6	-23	11.8	-47.6	-27	-20.6	166	310	V
1	5.725	-72.49	Pk	34.6	-23	11.8	-49.09	27	-76.09	166	310	V

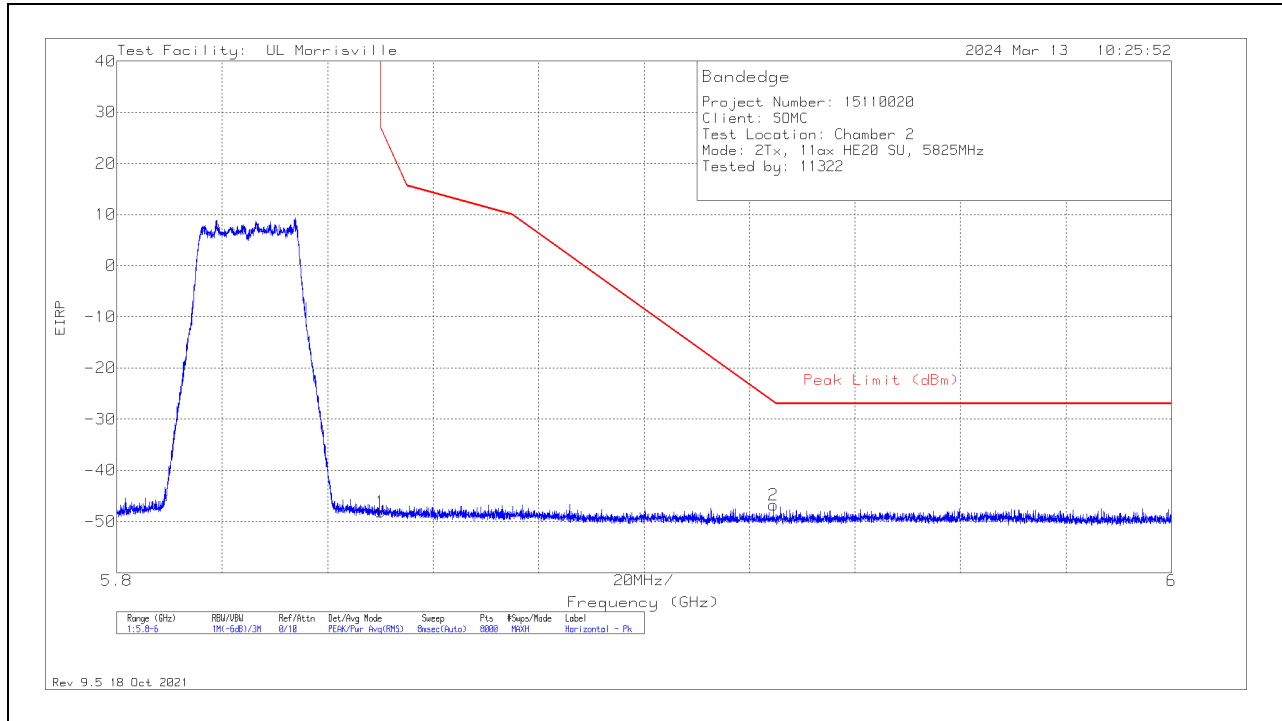
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



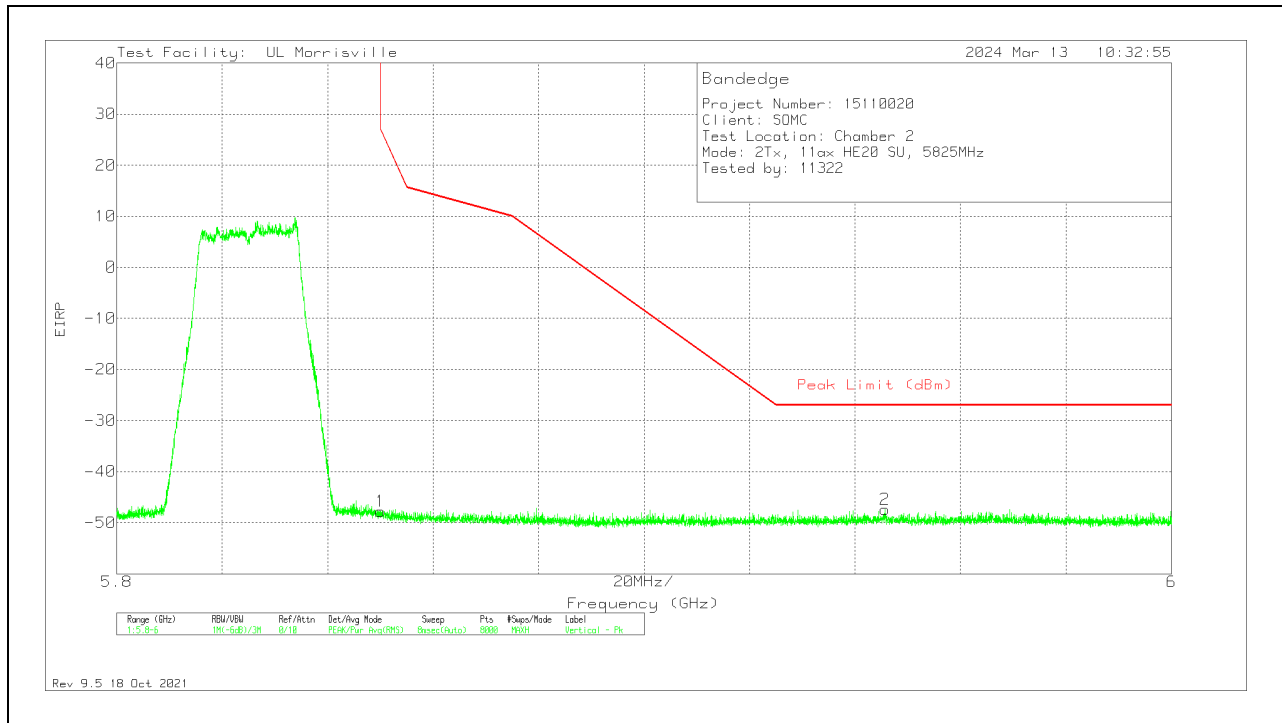
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	86408 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-71.99	Pk	34.9	-22.9	11.8	-48.19	26.99	-75.18	345	397	H
2	5.92454	-70.97	Pk	35	-22.6	11.8	-46.77	-26.66	-20.11	345	397	H

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	86408 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-71.57	Pk	34.9	-22.9	11.8	-47.77	26.99	-74.76	13	397	V
2	5.94564	-71.86	Pk	35.1	-22.4	11.8	-47.36	-27	-20.36	13	397	V

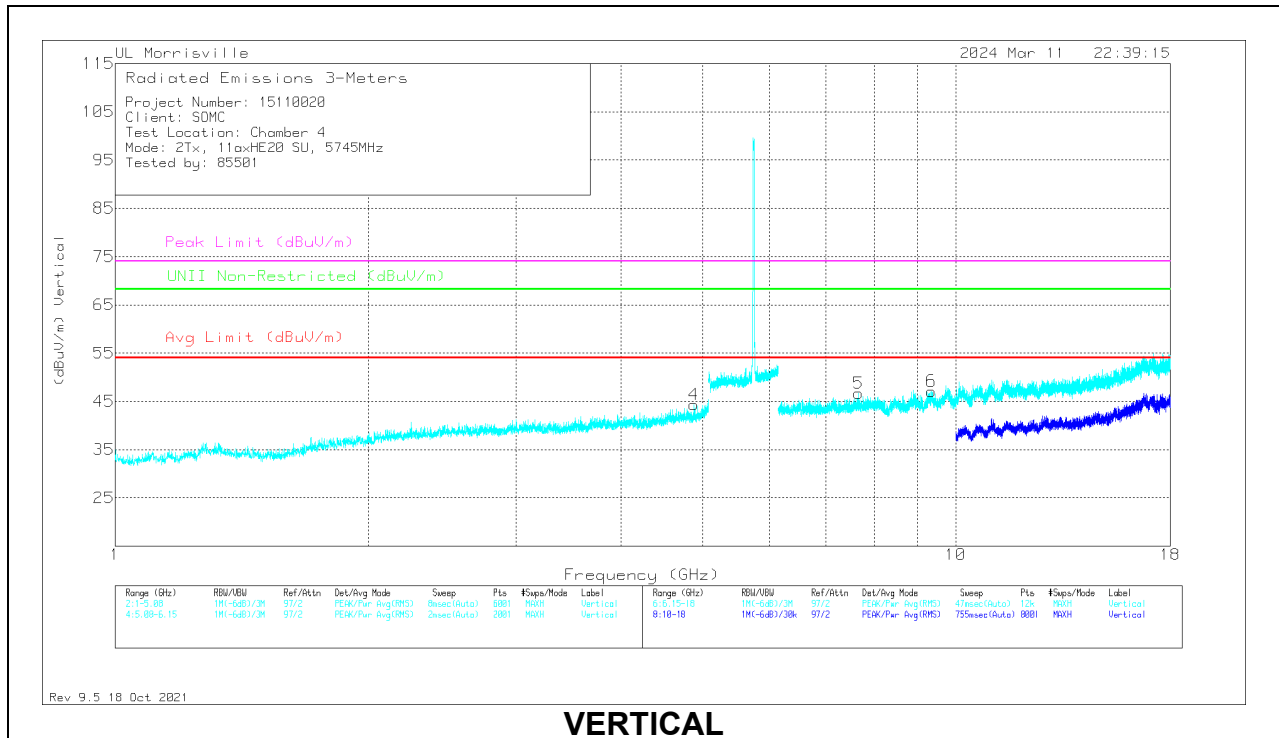
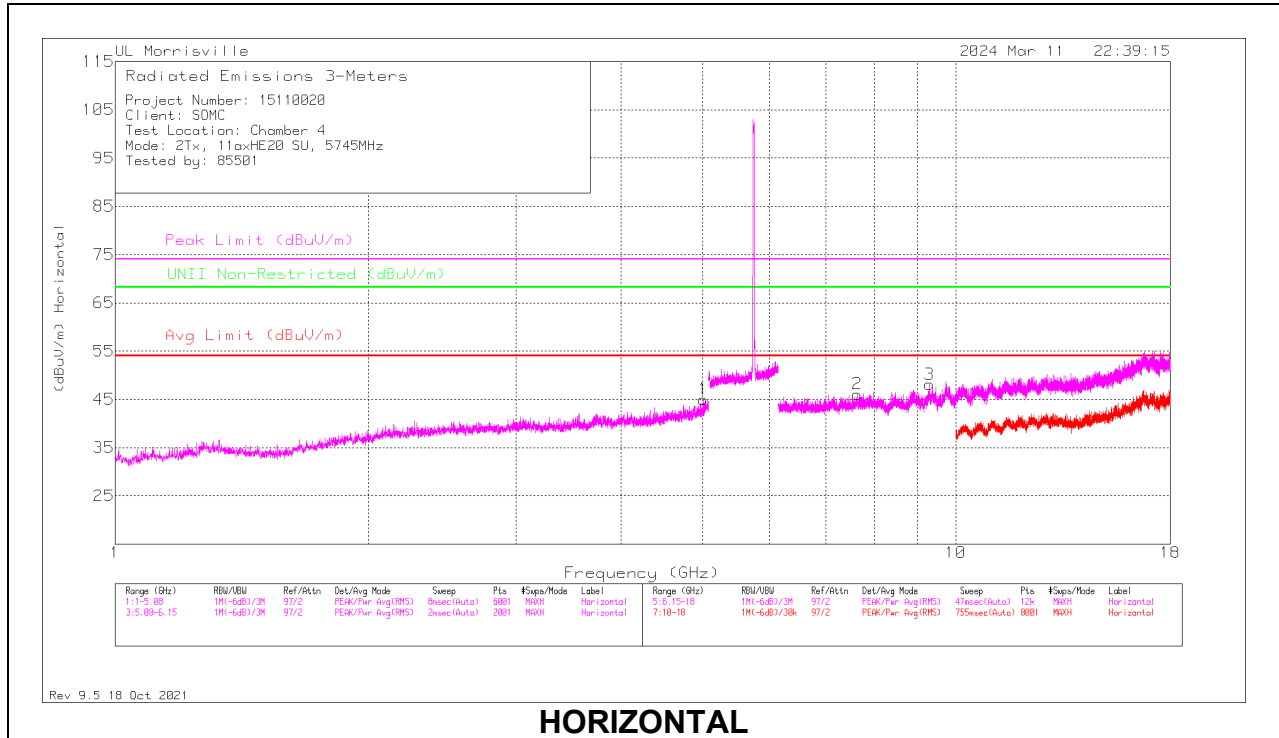
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.00996	41.33	Pk	34.1	-30.4	45.03	54	-8.97	74	-28.97	-	-	0-360	100	H
4	*** 4.87872	41.3	Pk	34	-31	44.3	54	-9.7	74	-29.7	-	-	0-360	200	V
2	*** 7.63125	37.29	Pk	35.7	-26.9	46.09	54	-7.91	74	-27.91	-	-	0-360	100	H
3	*** 9.30878	36.37	PK-U	36.4	-25.5	47.27	54	-6.73	74	-26.73	-	-	116	376	H
5	*** 7.65989	38.25	Pk	35.7	-27.3	46.65	54	-7.35	74	-27.35	-	-	0-360	200	V
6	*** 9.36036	35.9	Pk	36.5	-25.3	47.1	54	-6.9	74	-26.9	-	-	0-360	200	V

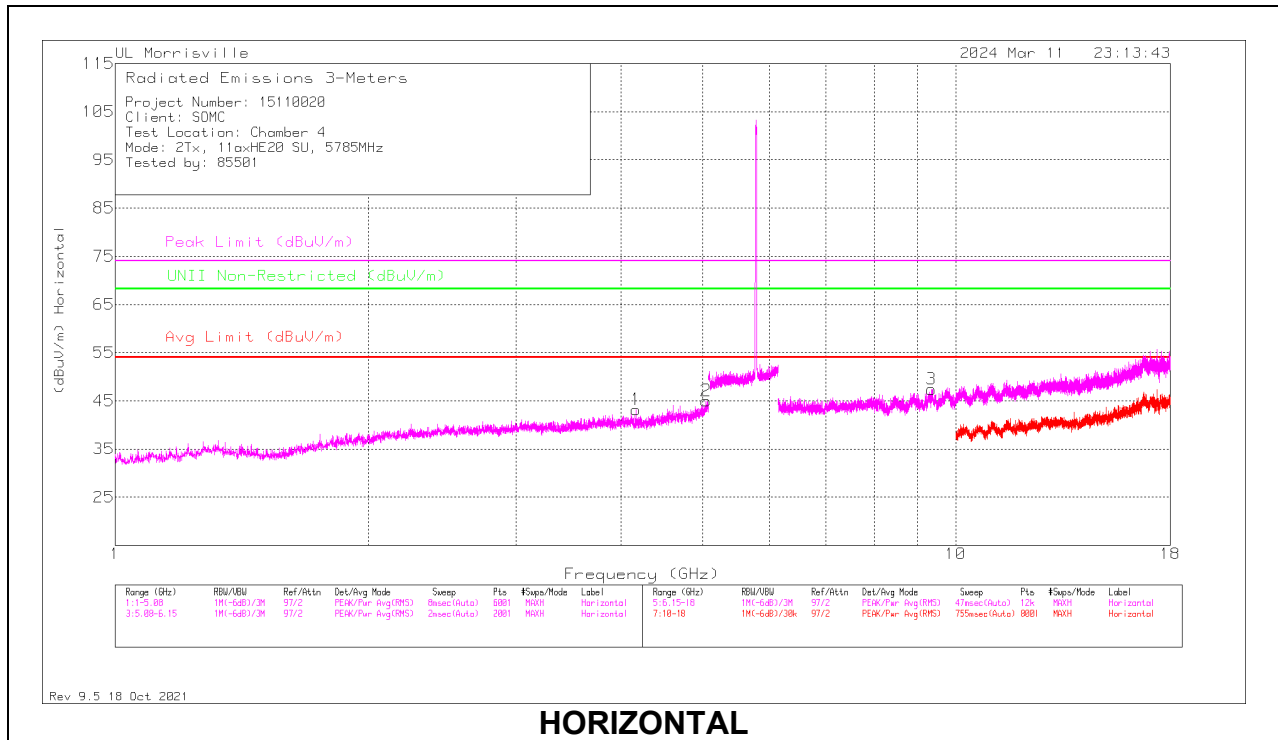
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

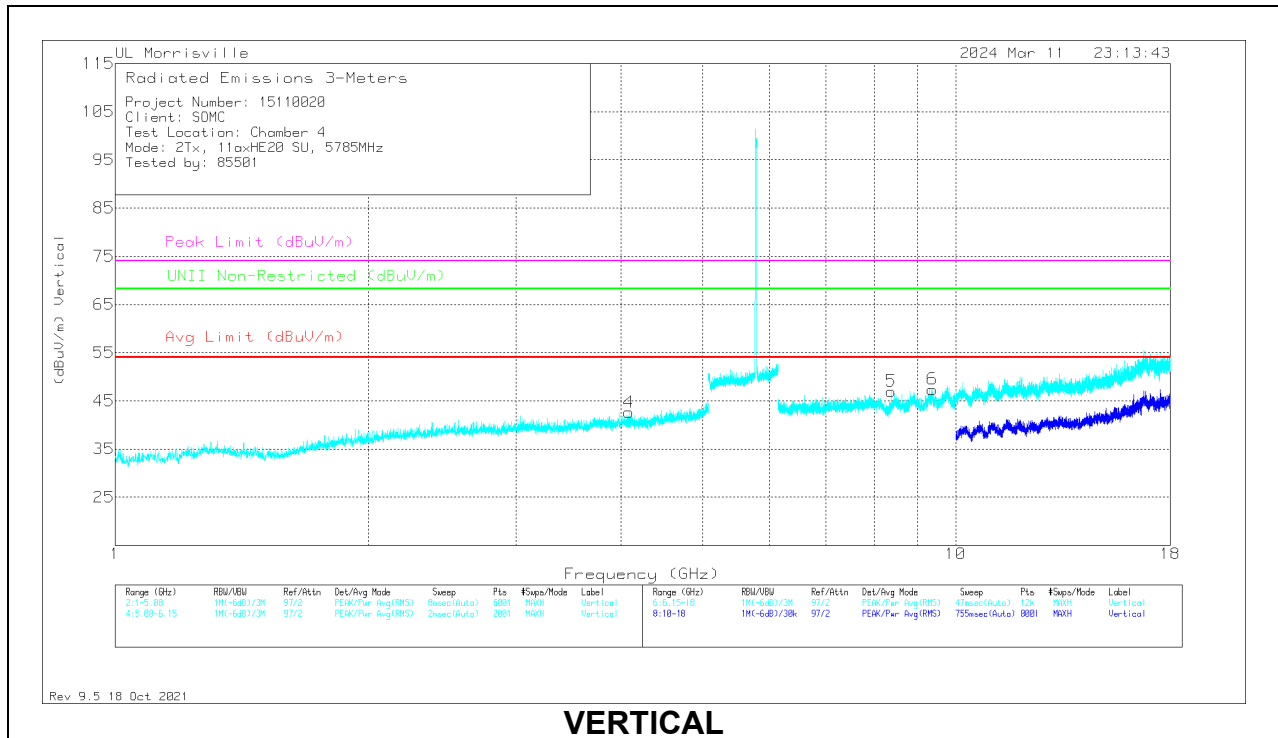
Pk - Peak detector

PK-U - Maximum Peak

MID CHANNEL



HORIZONTAL



VERTICAL

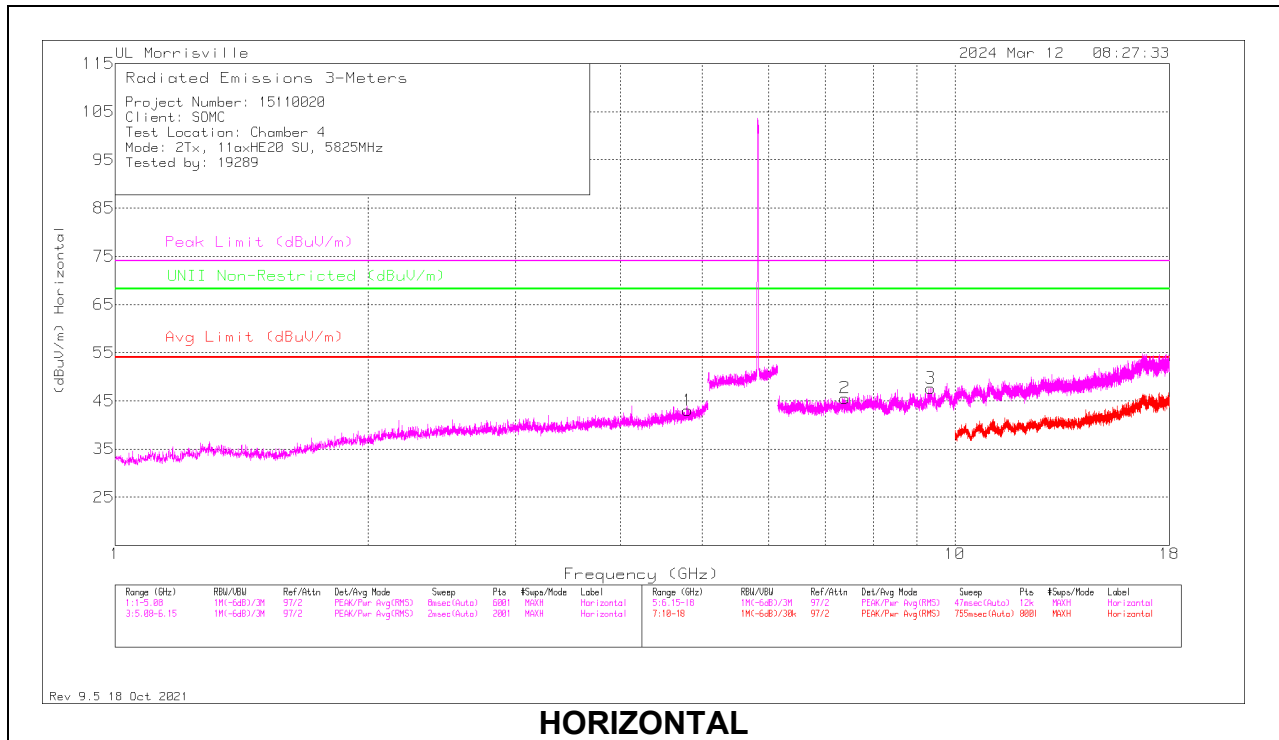
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.16812	41.38	Pk	33.5	-31.7	43.18	54	-10.82	74	-30.82	-	-	0-360	100	H
2	*** 5.04668	40.49	Pk	34.1	-29.6	44.99	54	-9.01	74	-29.01	-	-	0-360	100	H
4	*** 4.08448	41.43	Pk	33.4	-32.2	42.63	54	-11.37	74	-31.37	-	-	0-360	200	V
3	*** 9.35938	36.3	Pk	36.5	-25.4	47.4	54	-6.6	74	-26.6	-	-	0-360	100	H
5	*** 8.38274	37.69	Pk	35.8	-26.5	46.99	54	-7.01	74	-27.01	-	-	0-360	200	V
6	*** 9.38011	35.99	Pk	36.6	-25.2	47.39	54	-6.61	74	-26.61	-	-	0-360	200	V

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

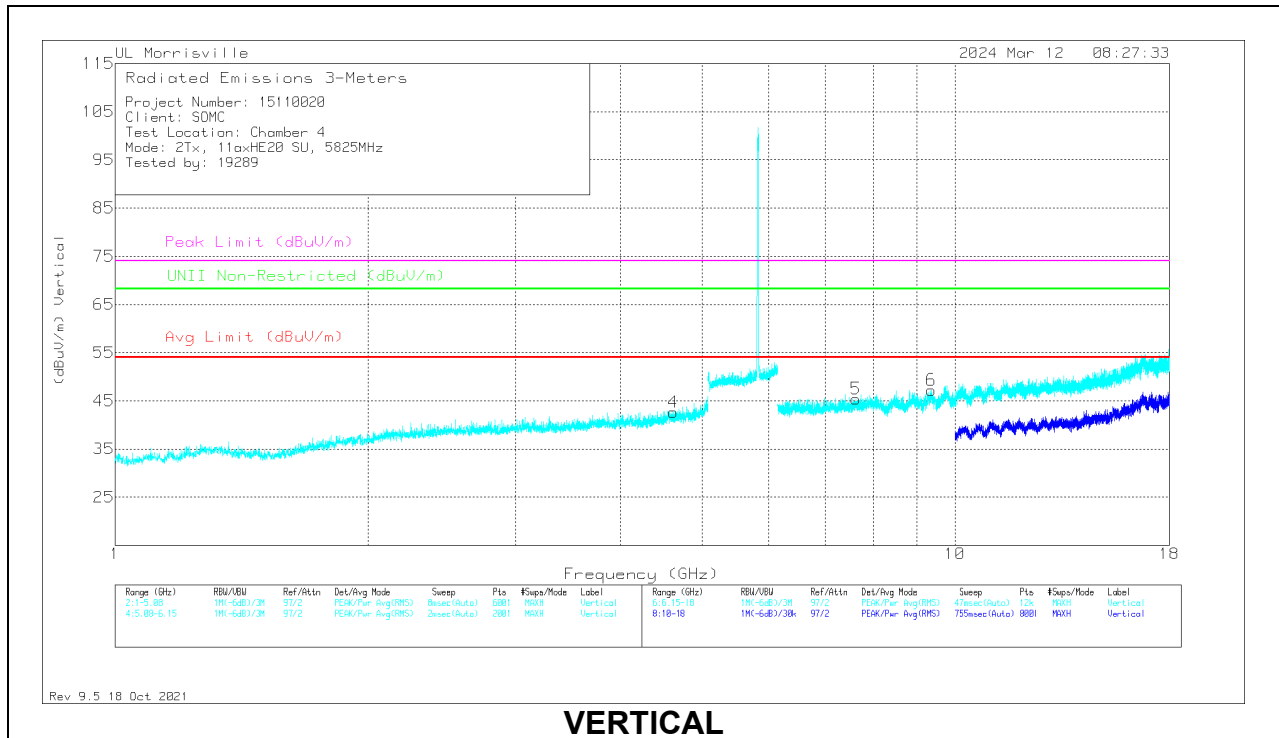
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HIGH CHANNEL



HORIZONTAL



VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.80528	39.3	Pk	34.1	-30.4	43	54	-11	74	-31	-	-	0-360	100	H
4	*** 4.61964	39.64	Pk	34.1	-31.1	42.64	54	-11.36	74	-31.36	-	-	0-360	200	V
2	*** 7.39524	36.87	Pk	35.6	-26.9	45.57	54	-8.43	74	-28.43	-	-	0-360	100	H
3	*** 9.36135	36.42	Pk	36.5	-25.3	47.62	54	-6.38	74	-26.38	-	-	0-360	100	H
5	*** 7.61841	36.79	Pk	35.7	-27.1	45.39	54	-8.61	74	-28.61	-	-	0-360	200	V
6	*** 9.37518	36.01	Pk	36.6	-25.4	47.21	54	-6.79	74	-26.79	-	-	0-360	200	V

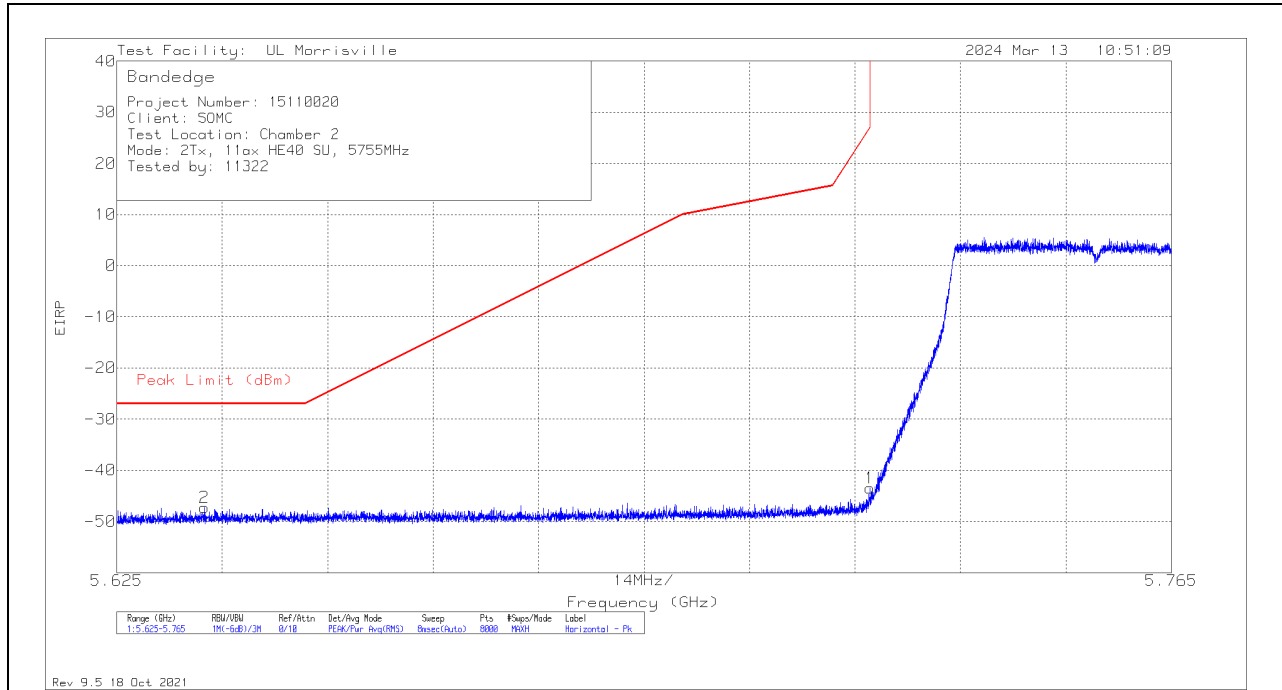
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector

10.1.13. 802.11ax HE40 MODE IN THE 5.8GHz BAND

2TX SU MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



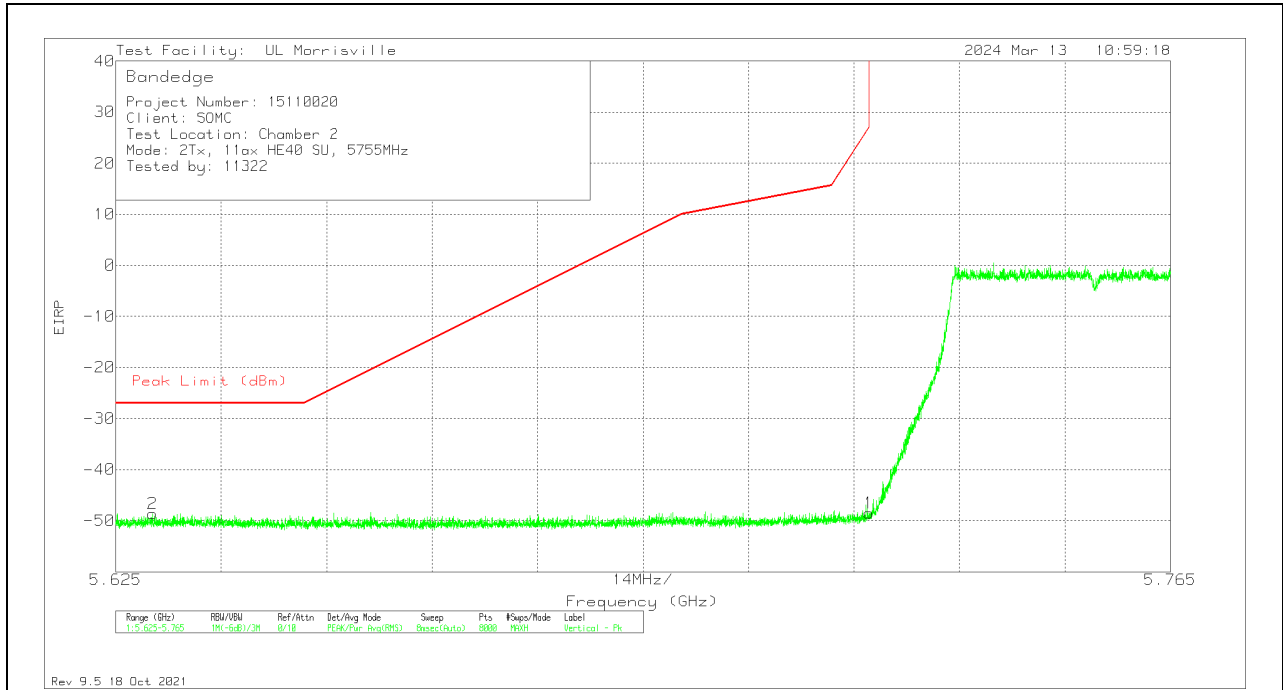
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	86408 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63667	-70.93	Pk	34.6	-22.8	11.8	-47.33	-27	-20.33	347	209	H
1	5.72499	-66.86	Pk	34.6	-23	11.8	-43.46	26.97	-70.43	347	209	H

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

VERTICAL RESULT

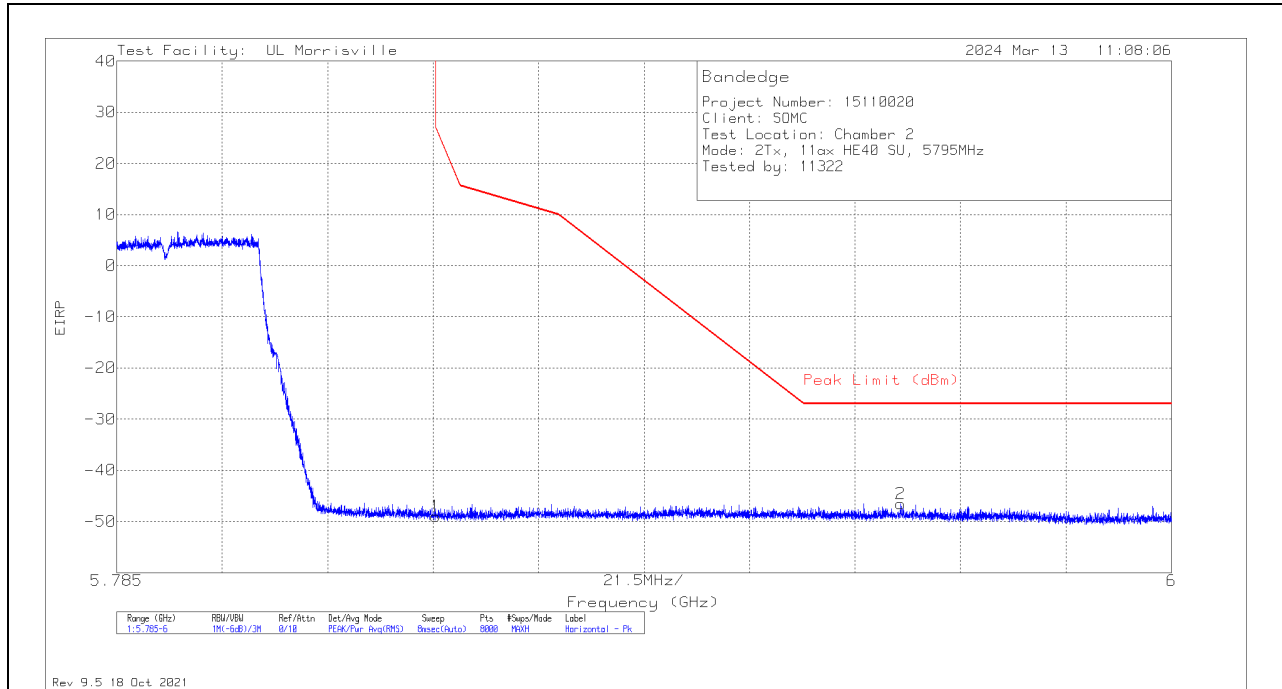


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	86408 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62992	-72.16	Pk	34.6	-22.9	11.8	-48.66	-27	-21.66	49	318	V
1	5.72499	-71.94	Pk	34.6	-23	11.8	-48.54	26.97	-75.51	49	318	V

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



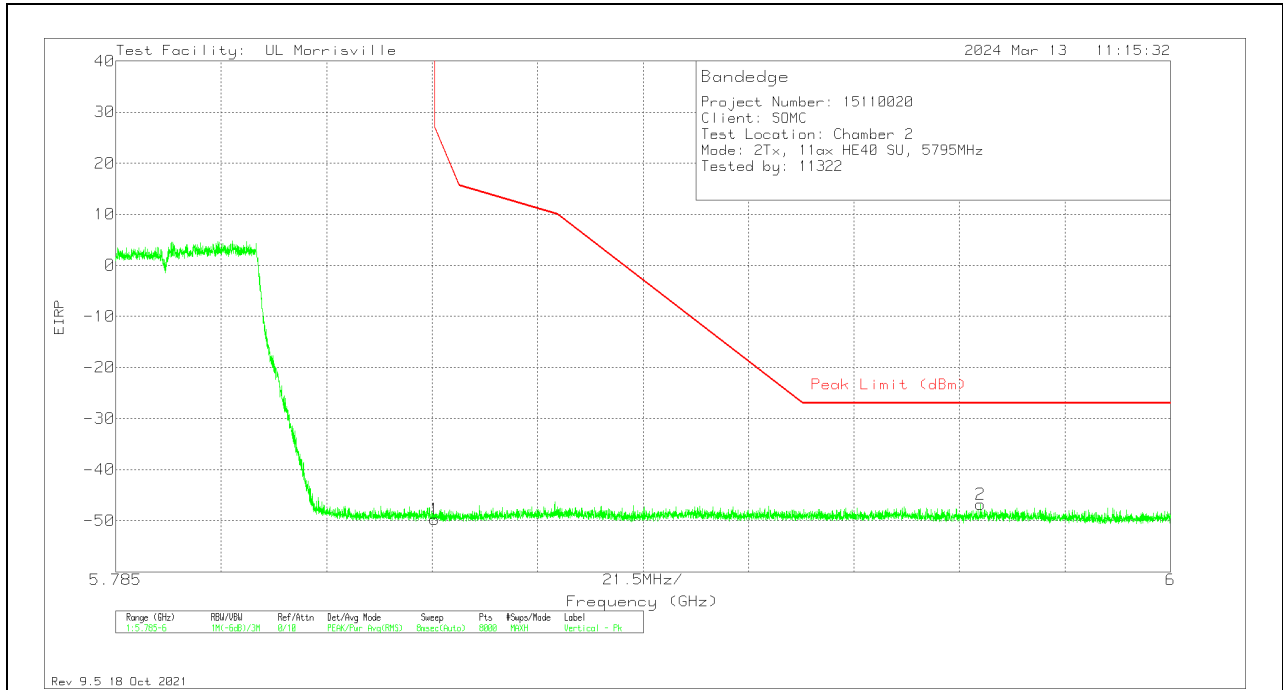
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	86408 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-72.83	Pk	34.9	-22.9	11.8	-49.03	26.96	-75.99	345	381	H
2	5.94484	-71	Pk	35.1	-22.4	11.8	-46.5	-27	-19.5	345	381	H

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	86408 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-73.49	Pk	34.9	-22.9	11.8	-49.69	26.96	-76.65	25	329	V
2	5.96132	-71.14	Pk	35.1	-22.5	11.8	-46.74	-27	-19.74	25	329	V

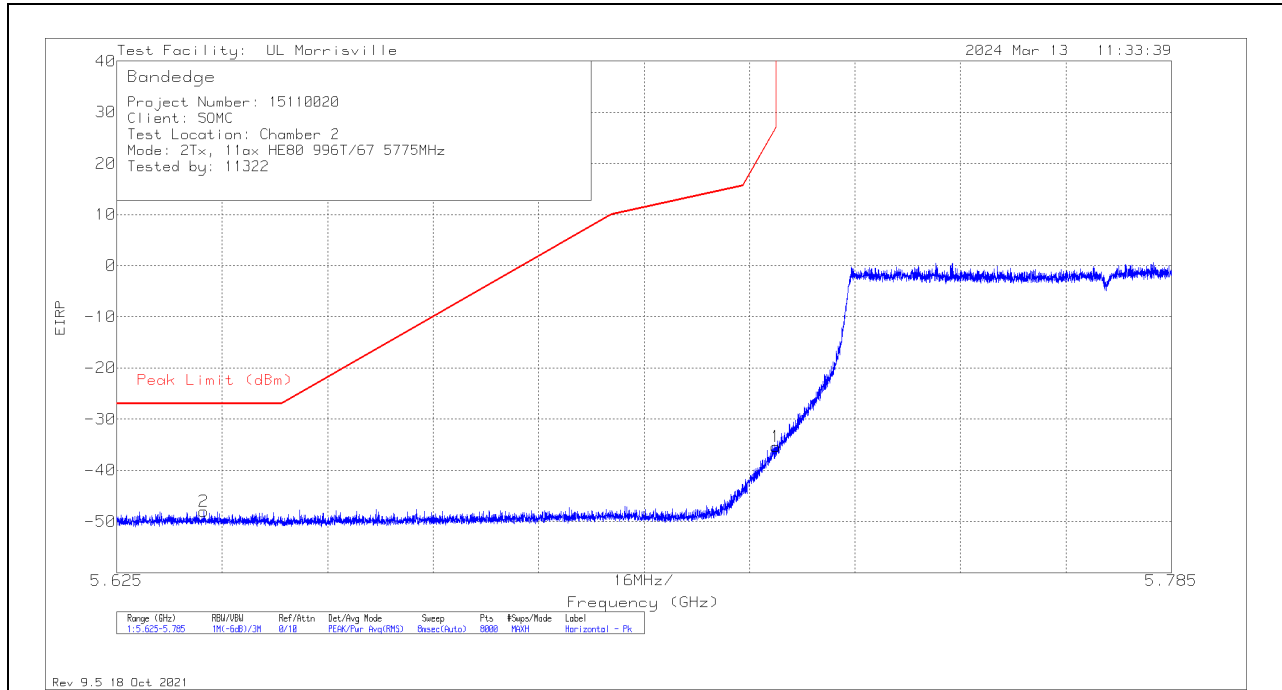
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector

10.1.14. 802.11ax HE80 MODE IN THE 5.8GHz BAND

2TX 996T MODE

BANDEDGE (CHANNEL 155 LOW EDGE)

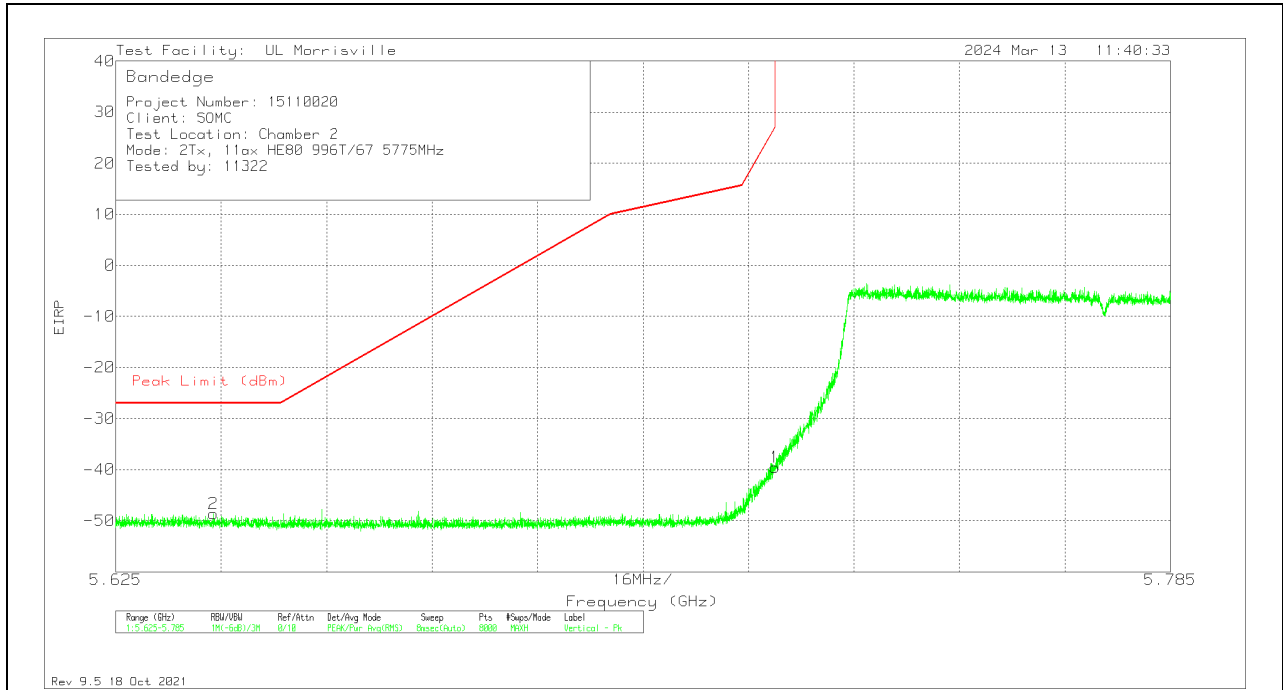
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	86408 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63822	-71.5	Pk	34.6	-22.9	11.8	-48	-27	-21	349	210	H
1	5.725	-58.74	Pk	34.6	-23	11.8	-35.34	26.99	-62.33	349	210	H

Pk - Peak detector

VERTICAL RESULT

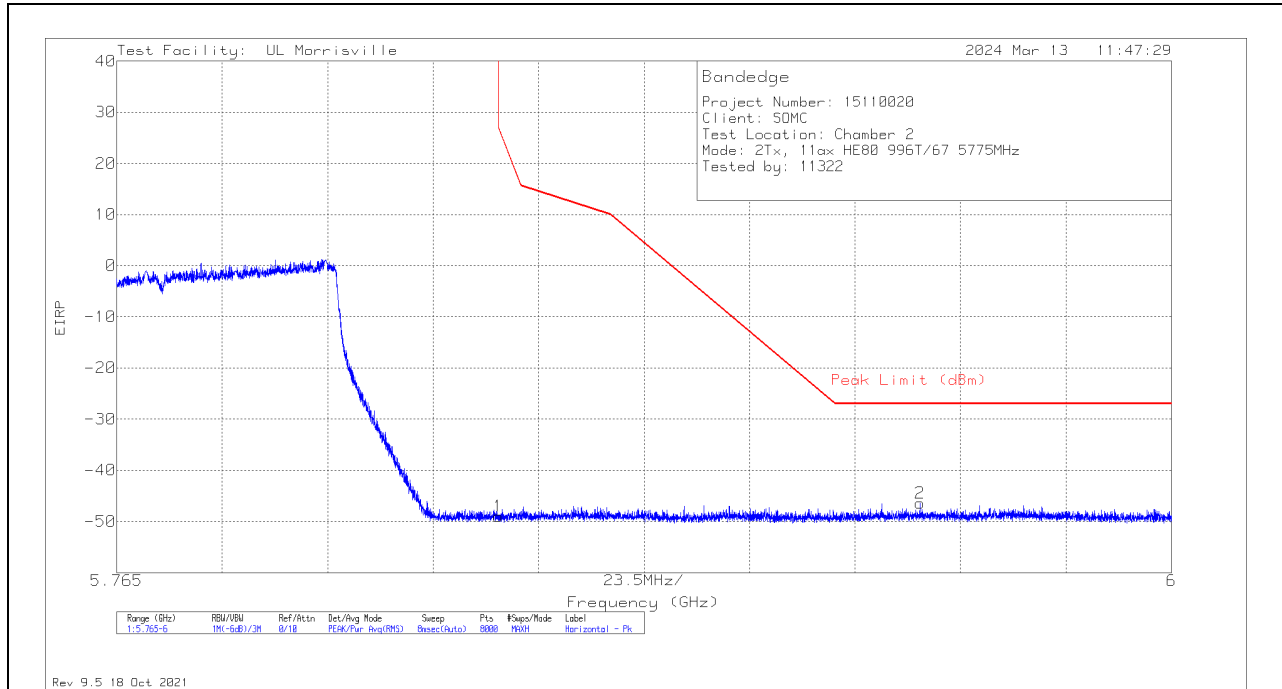


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	86408 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63986	-72.15	Pk	34.6	-22.9	11.8	-48.65	-27	-21.65	43	351	V
1	5.725	-63	Pk	34.6	-23	11.8	-39.6	26.99	-66.59	43	351	V

Pk - Peak detector

BANDEDGE (CHANNEL 155 HIGH EDGE)

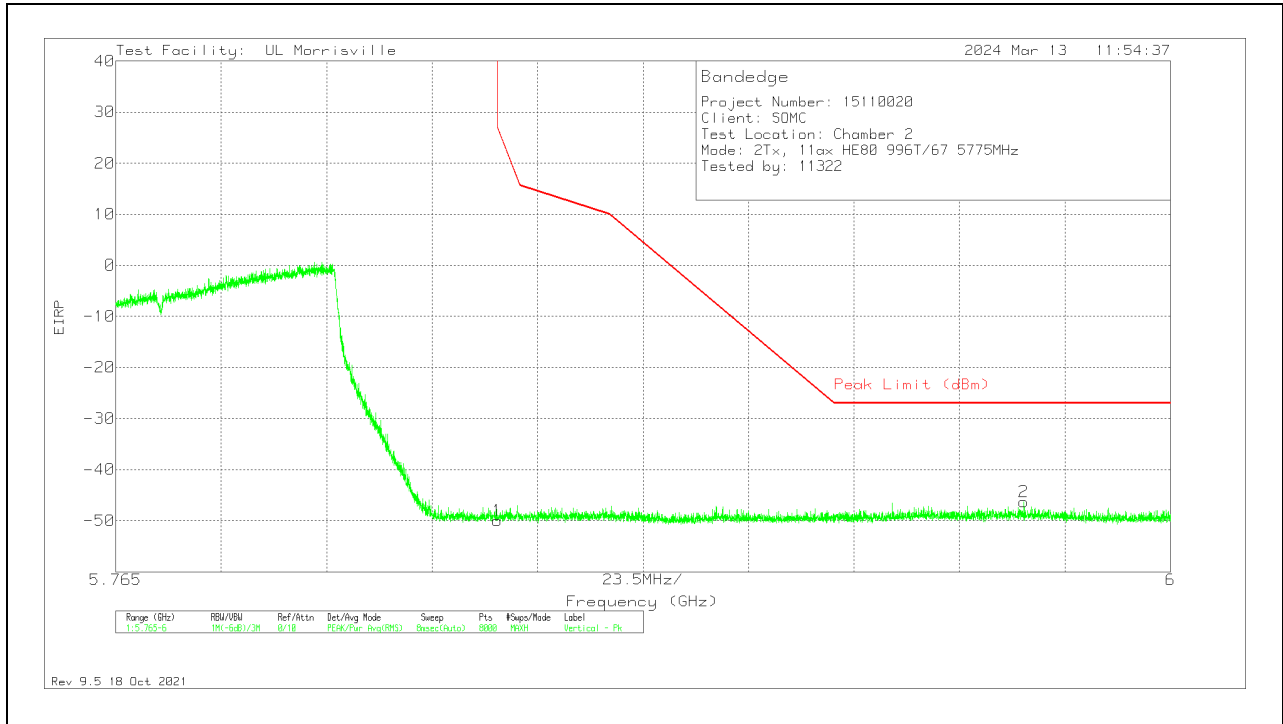
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	86408 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-72.85	Pk	34.9	-22.9	11.8	-49.05	26.95	-76	348	344	H
2	5.94395	-70.9	Pk	35.1	-22.4	11.8	-46.4	-27	-19.4	348	344	H

Pk - Peak detector

VERTICAL RESULT



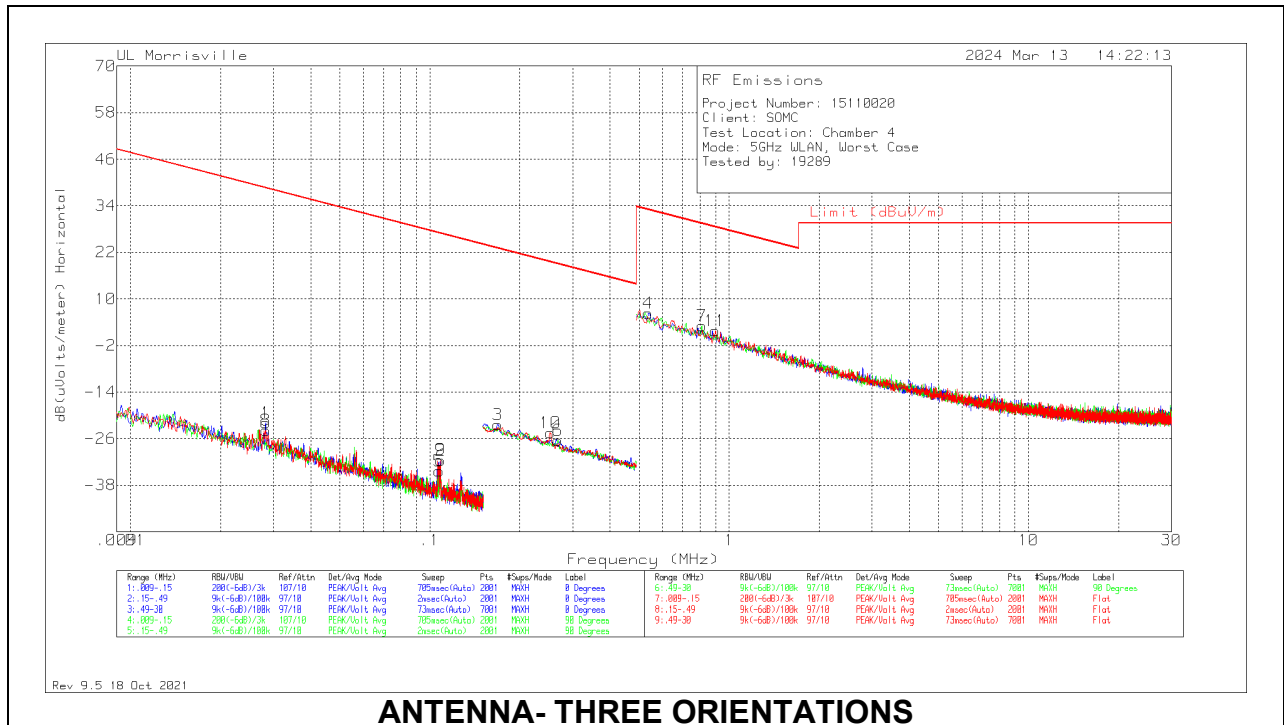
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	86408 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-73.82	Pk	34.9	-22.9	11.8	-50.02	26.95	-76.97	12	360	V
2	5.96736	-70.96	Pk	35.1	-22.3	11.8	-46.36	-27	-19.36	12	360	V

Pk - Peak detector

10.2. TRANSMITTER WORST CASE

10.2.1. SPURIOUS BELOW 30MHZ

Note: 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).

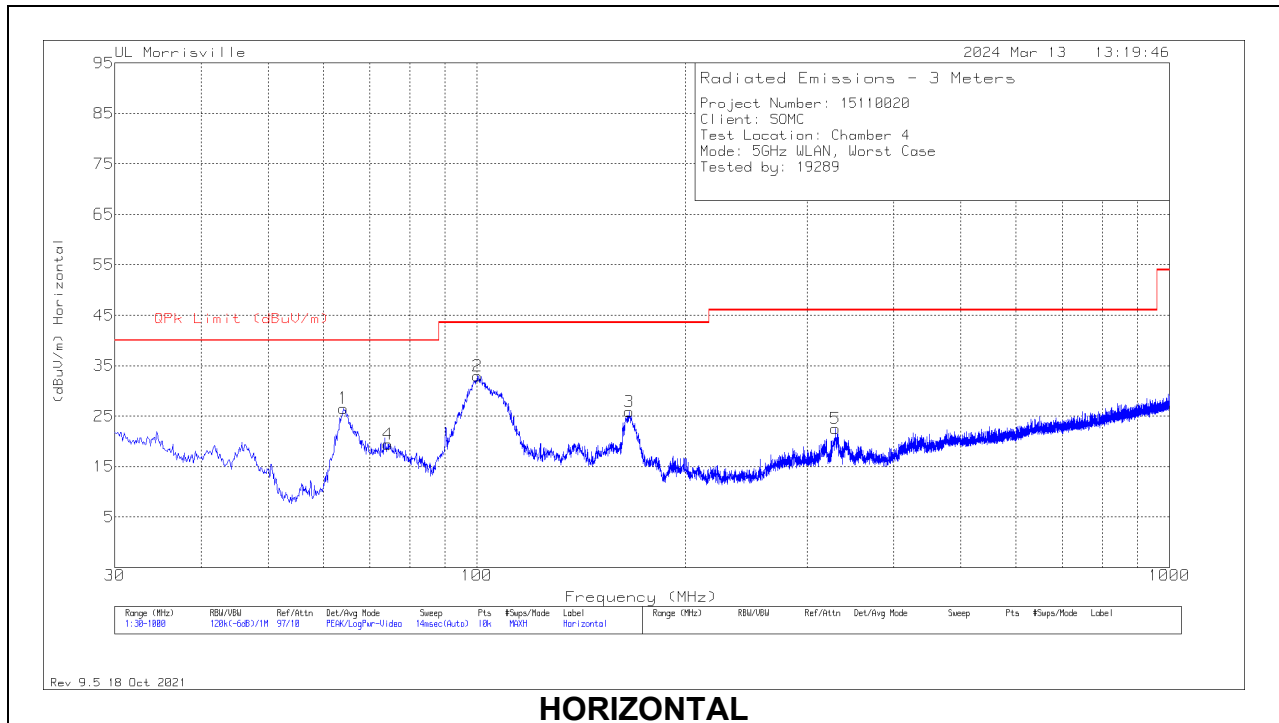


ANTENNA- THREE ORIENTATIONS

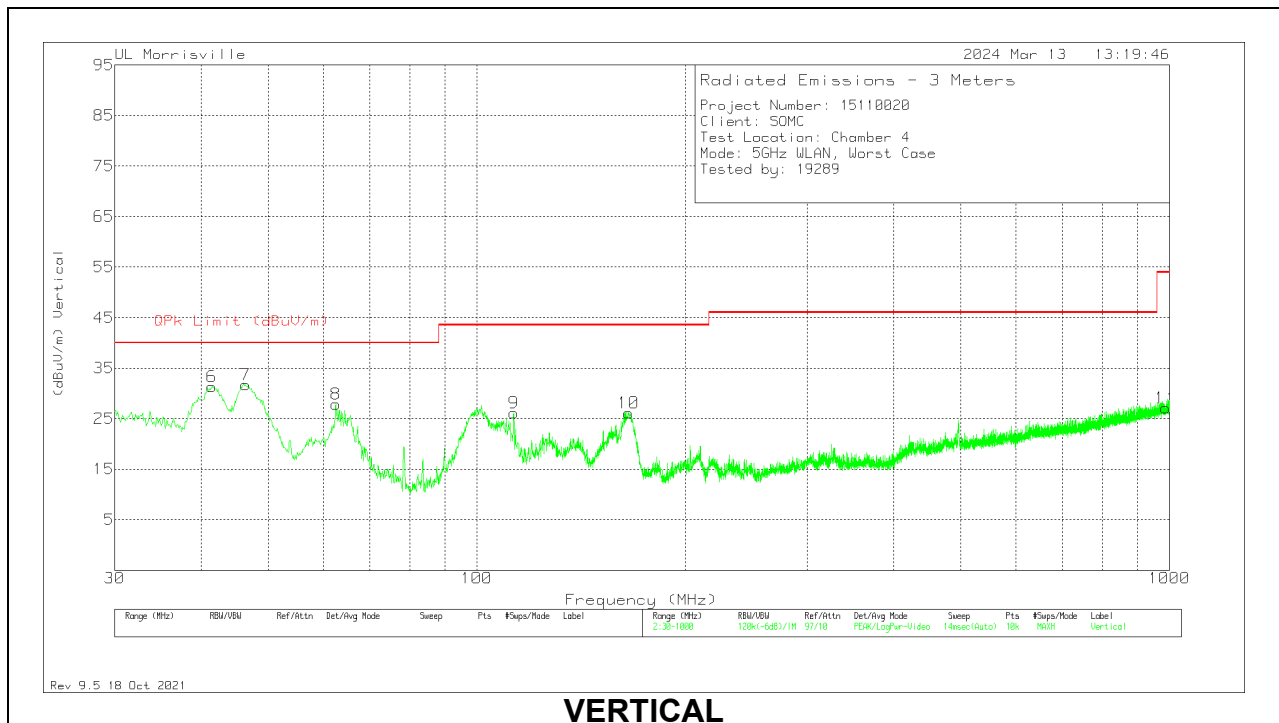
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	135144 (dBuV/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
1	.02831	44.45	PK	13.6	0	-80	-21.95	38.57	58.57	-60.52	0-360	0 degs
8	.02838	42.59	PK	13.6	0	-80	-23.81	38.54	58.54	-62.35	0-360	Flat
5	.10741	34.6	PK	11.1	0	-80	-34.3	26.98	-	-61.28	0-360	90 degs
2	.10847	37.35	PK	11.1	0	-80	-31.55	26.9	-	-58.45	0-360	0 degs
9	.10854	37.37	PK	11.1	0	-80	-31.53	26.89	-	-58.42	0-360	Flat
3	.16853	46.55	PK	11.1	0	-80	-22.35	23.07	43.07	-45.42	0-360	0 degs
10	.25251	44.34	PK	11.1	.1	-80	-24.46	19.56	39.56	-44.02	0-360	Flat
6	.26773	42.3	PK	11.1	.1	-80	-26.5	19.05	39.05	-45.55	0-360	90 degs
4	.53638	35.14	PK	11.1	.1	-40	6.34	33.01	-	-26.67	0-360	0 degs
7	.81042	31.82	PK	11.1	.1	-40	3.02	29.43	-	-26.41	0-360	90 degs
11	.89895	30.66	PK	11.1	.1	-40	1.86	28.53	-	-26.67	0-360	Flat

Pk - Peak detector

10.2.2. SPURIOUS 30-1000MHZ



HORIZONTAL



VERTICAL

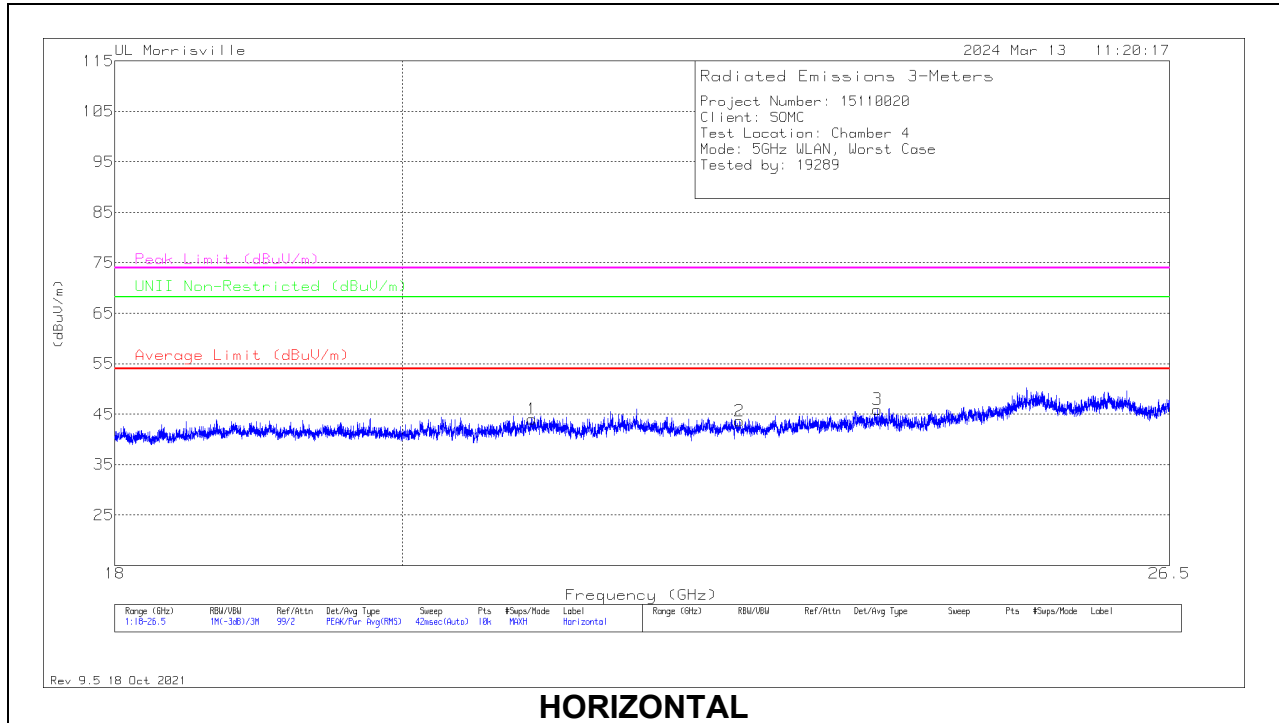
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90628 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* ** 165.994	38.61	Pk	18.3	-31	25.91	43.52	-17.61	0-360	100	H
4	* ** 74.426	36.87	Pk	14.2	-31.7	19.37	40	-20.63	0-360	100	H
5	* ** 329.245	32.71	Pk	20	-30.2	22.51	46.02	-23.51	0-360	100	H
9	* ** 113.032	38.18	Pk	19.3	-31.4	26.08	43.52	-17.44	0-360	100	V
10	* ** 165.509	38.88	Pk	18.3	-31	26.18	43.52	-17.34	0-360	100	V
11	* ** 987.099	24.07	Pk	29.2	-26.2	27.07	53.97	-26.9	0-360	100	V
6	41.446	44.4	Pk	18.9	-32	31.3	-	-	0-360	100	V
7	46.393	48.01	Pk	15.7	-32	31.71	-	-	0-360	100	V
8	62.592	45.66	Pk	14	-31.8	27.86	-	-	0-360	100	V
1	64.144	44.26	Pk	14.1	-31.8	26.56	-	-	0-360	300	H
2	100.228	47.94	Pk	16.5	-31.5	32.94	-	-	0-360	200	H

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

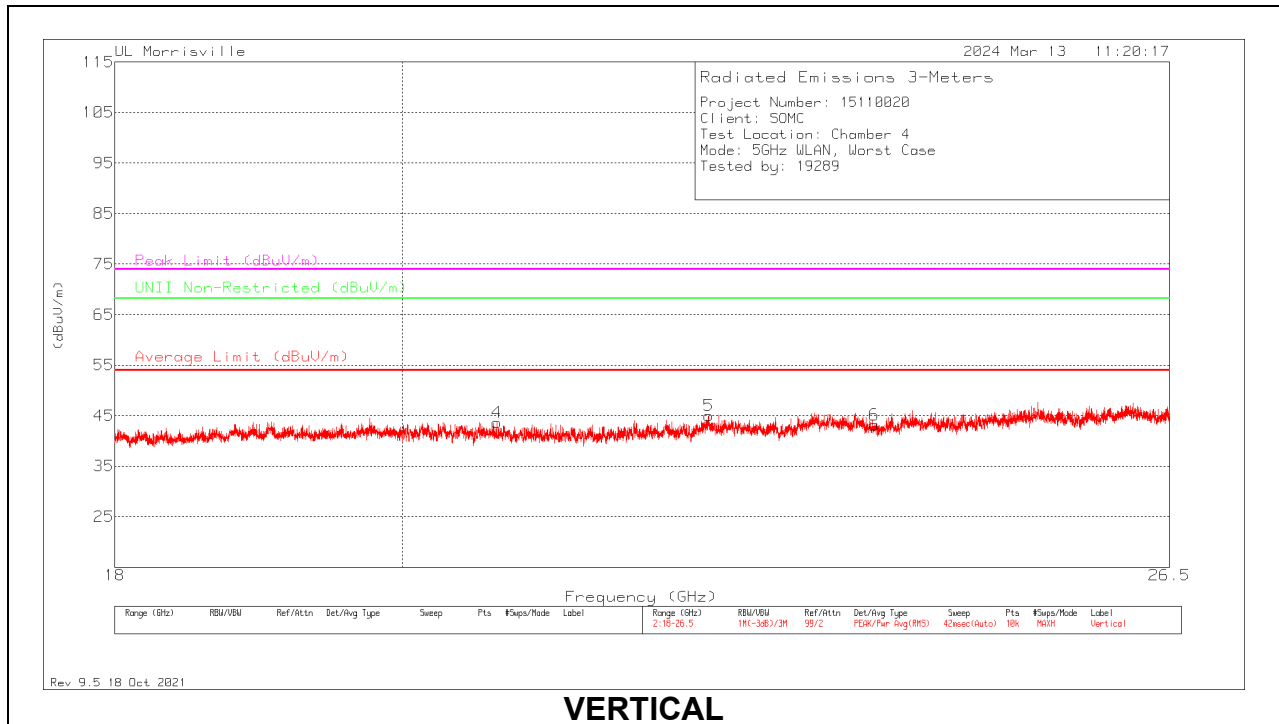
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.2.3. SPURIOUS 18-26 GHz



HORIZONTAL



VERTICAL

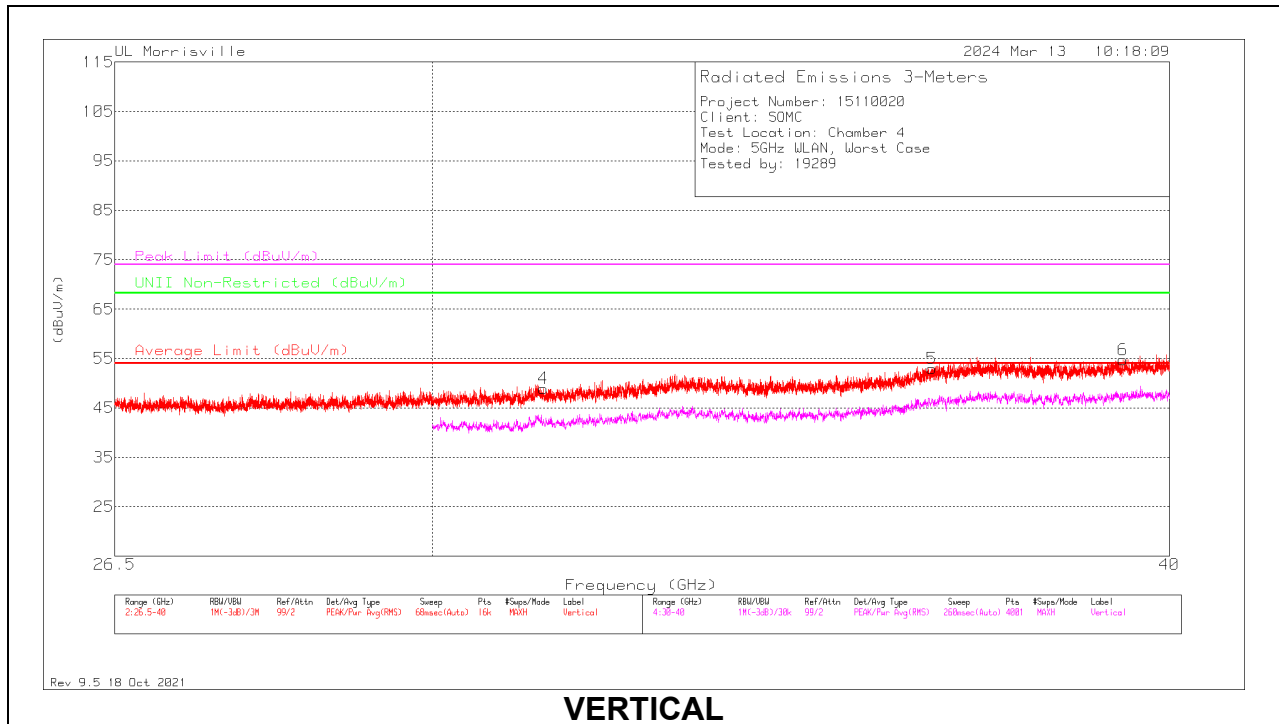
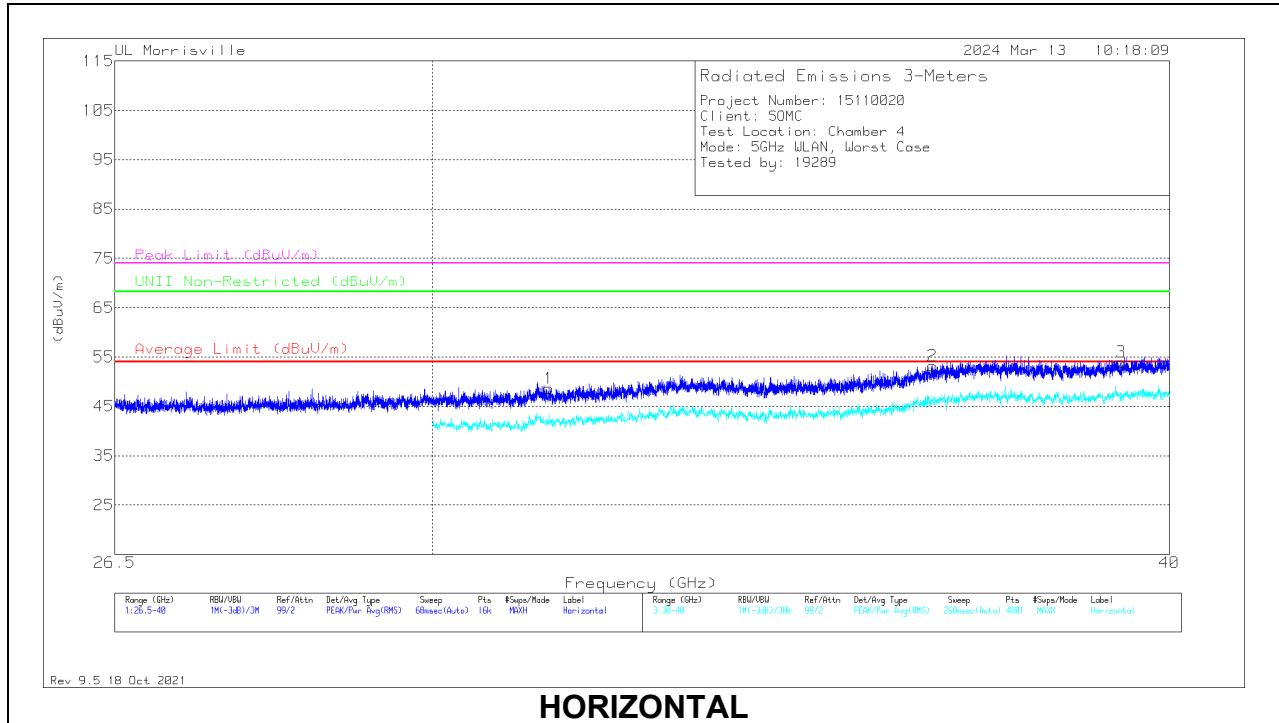
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 20.9764	49.41	Pk	33.6	-39	44.01	54	-9.99	74	-29.99	-	-	0-360	100	H
2	* ** 22.63289	47.77	Pk	34.2	-38.3	43.67	54	-10.33	74	-30.33	-	-	0-360	250	H
3	* ** 23.81002	49.04	Pk	34.4	-37.5	45.94	54	-8.06	74	-28.06	-	-	0-360	100	H
4	* ** 20.70783	49.33	Pk	33.6	-39.3	43.63	54	-10.37	74	-30.37	-	-	0-360	150	V
5	* ** 22.37876	48.67	Pk	34.1	-37.8	44.97	54	-9.03	74	-29.03	-	-	0-360	300	V
6	* ** 23.78367	45.72	Pk	34.4	-37	43.12	54	-10.88	74	-30.88	-	-	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

10.2.4. SPURIOUS 26-40 GHz



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204705 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 31.39298	46.11	PK-U	36.8	-31.5	51.41	-	-	74	-22.59	-	-	321	400	H
	* ** 31.3948	31.56	ADV	36.8	-31.7	36.66	54	-17.34	-	-	-	-	321	400	H
2	* ** 36.46523	49.4	PK-U	37.9	-33.3	54	-	-	74	-20	-	-	340	361	H
	* ** 36.46571	36.7	ADV	37.9	-33.3	41.3	54	-12.7	-	-	-	-	340	361	H
3	* ** 39.24925	48.06	PK-U	38.5	-31.1	55.46	-	-	74	-18.54	-	-	133	399	H
	* ** 39.24955	34.48	ADV	38.5	-31.1	41.88	54	-12.12	-	-	-	-	133	399	H
4	* ** 31.32557	44.58	PK-U	36.9	-31.5	49.98	-	-	74	-24.02	-	-	100	332	V
	* ** 31.32638	31.28	ADV	36.9	-31.3	36.88	54	-17.12	-	-	-	-	100	332	V
5	* ** 36.45477	49.42	PK-U	37.9	-33.2	54.12	-	-	74	-19.88	-	-	136	388	V
	* ** 36.45694	36.68	ADV	37.9	-33.1	41.48	54	-12.52	-	-	-	-	136	388	V
6	* ** 39.28195	47.6	PK-U	38.5	-31.4	54.7	-	-	74	-19.3	-	-	339	301	V
	* ** 39.28291	34.58	ADV	38.5	-31.4	41.68	54	-12.32	-	-	-	-	339	301	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Peak detector

ADV - Linear Voltage Average

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

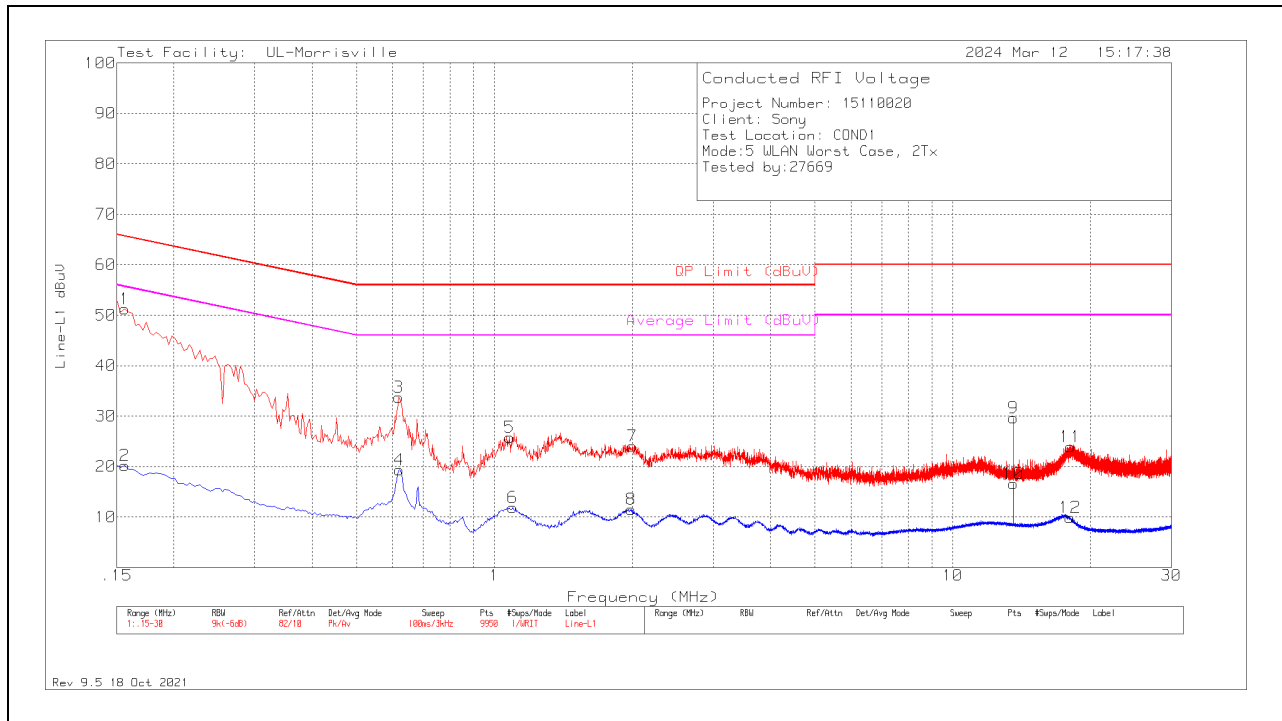
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

Line conducted data is recorded for both lines.

RESULTS

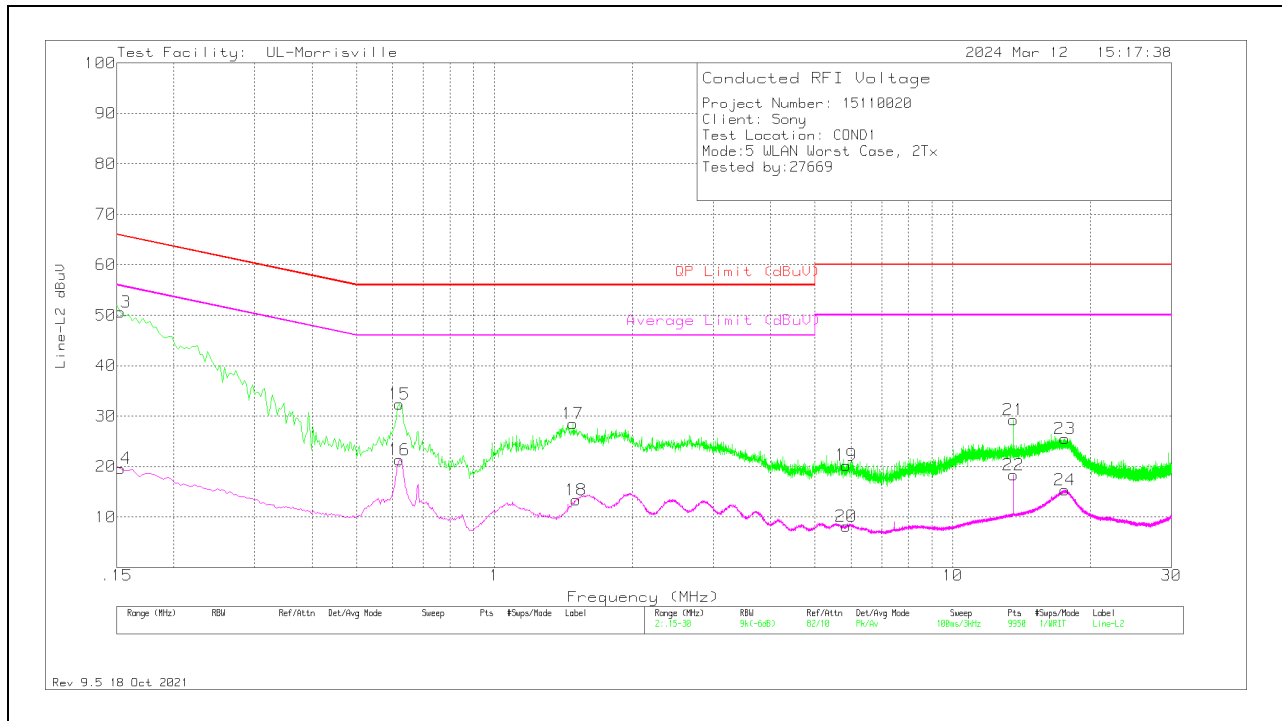
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.156	41.13	Pk	.3	9.8	51.23	65.67	-14.44	-	-
2	.156	10.06	Av	.3	9.8	20.16	-	-	55.67	-35.51
3	.618	23.81	Pk	.1	9.8	33.71	56	-22.29	-	-
4	.621	9.43	Av	.1	9.8	19.33	-	-	46	-26.67
5	1.08	15.94	Pk	.1	9.8	25.84	56	-30.16	-	-
6	1.098	2	Av	.1	9.8	11.9	-	-	46	-34.1
8	1.986	1.65	Av	.1	9.8	11.55	-	-	46	-34.45
7	1.998	14.17	Pk	.1	9.8	24.07	56	-31.93	-	-
10	13.56	6.39	Av	.2	10	16.59	-	-	50	-33.41
9	13.563	19.47	Pk	.2	10	29.67	60	-30.33	-	-
12	18.039	-.45	Av	.2	10.1	9.85	-	-	50	-40.15
11	18.054	13.57	Pk	.2	10.1	23.87	60	-36.13	-	-

Pk - Peak detector
 Av - Average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.153	40.56	Pk	.3	9.8	50.66	65.84	-15.18	-	-
14	.153	9.54	Av	.3	9.8	19.64	-	-	55.84	-36.2
15	.621	22.44	Pk	.1	9.8	32.34	56	-23.66	-	-
16	.621	11.42	Av	.1	9.8	21.32	-	-	46	-24.68
17	1.485	18.59	Pk	.1	9.8	28.49	56	-27.51	-	-
18	1.509	3.46	Av	.1	9.8	13.36	-	-	46	-32.64
19	5.847	10.26	Pk	.1	9.9	20.26	60	-39.74	-	-
20	5.847	-1.82	Av	.1	9.9	8.18	-	-	50	-41.82
21	13.563	19.05	Pk	.2	10	29.25	60	-30.75	-	-
22	13.563	8.13	Av	.2	10	18.33	-	-	50	-31.67
23	17.565	15.23	Pk	.2	10.1	25.53	60	-34.47	-	-
24	17.586	5.05	Av	.2	10.1	15.35	-	-	50	-34.65

Pk - Peak detector
 Av - Average detection

12. SETUP PHOTOS

Please refer to R15110020-EP3 for setup photos

END OF TEST REPORT