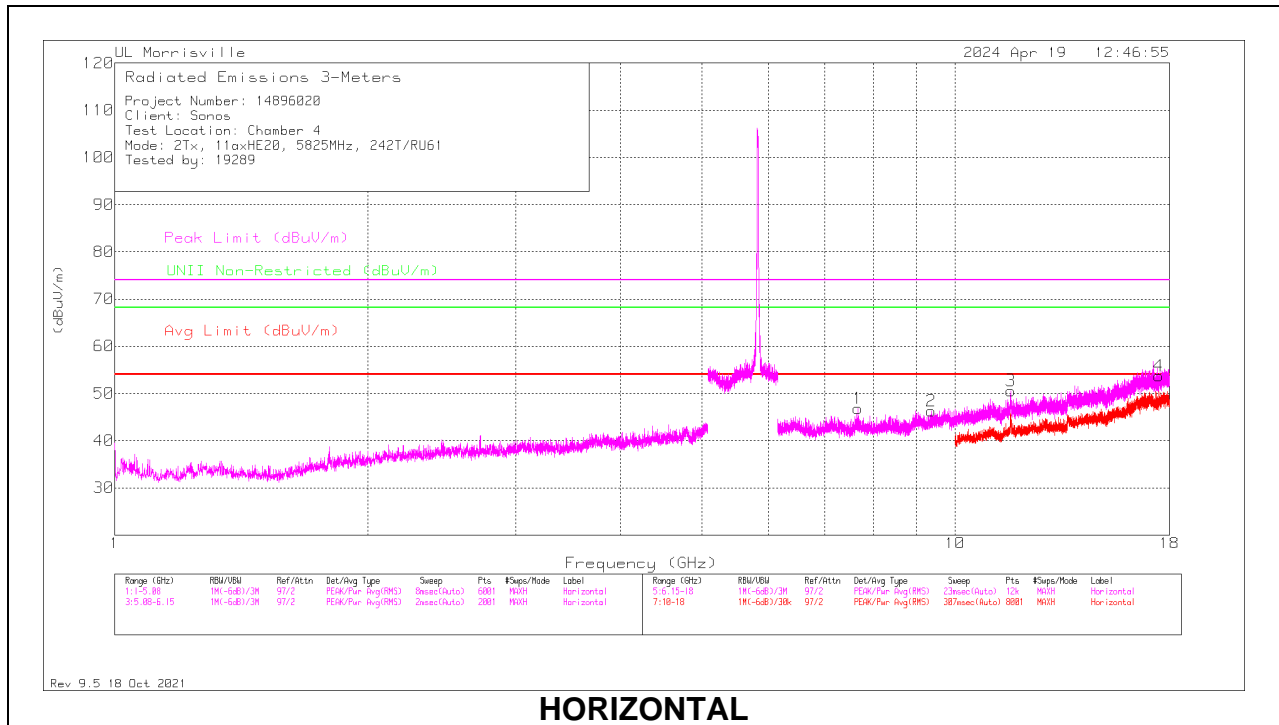
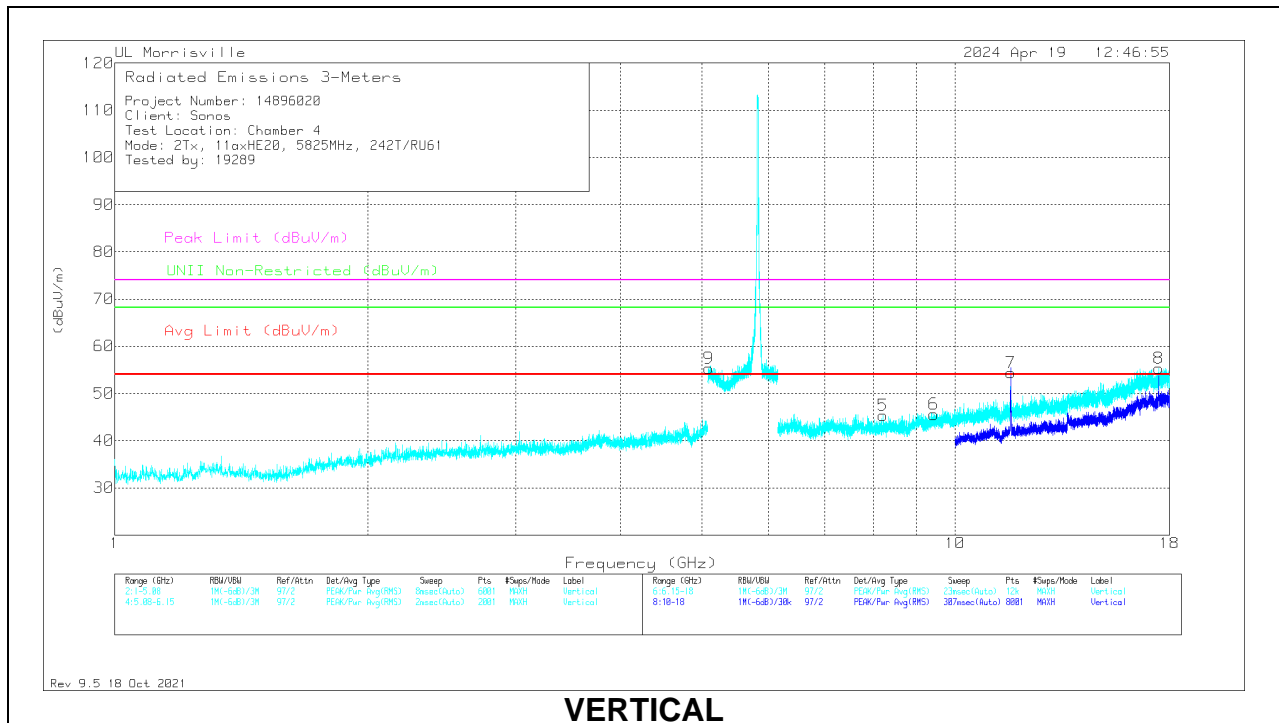


### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
9	*** 5.09677	32.06	PK-U	34.1	-9.4	0	56.76	-	-	74	-17.24	-	-	237	175	V
	*** 5.09642	19.9	ADR	34.1	-9.4	4.15	48.75	54	-5.25	-	-	-	-	237	175	V
1	*** 7.66779	38.52	Pk	35.7	-27.4	0	46.82	54	-7.18	74	-27.18	-	-	0-360	100	H
2	*** 9.37913	34.88	Pk	36.6	-25.2	0	46.28	54	-7.72	74	-27.72	-	-	0-360	100	H
3	*** 11.6561	38.44	PK-U	38.3	-23.1	0	53.64	-	-	74	-20.36	-	-	338	209	H
	*** 11.6512	25.39	ADR	38.3	-23.4	4.15	44.44	54	-9.56	-	-	-	-	338	209	H
5	*** 8.20795	36.38	Pk	35.8	-26.8	0	45.38	54	-8.62	74	-28.62	-	-	0-360	200	V
6	*** 9.43245	34.46	Pk	36.7	-25.6	0	45.56	54	-8.44	74	-28.44	-	-	0-360	200	V
7	*** 11.65878	43.86	PK-U	38.3	-23.4	0	58.76	-	-	74	-15.24	-	-	18	226	V
	*** 11.65748	28.99	ADR	38.3	-23.2	4.15	48.24	54	-5.76	-	-	-	-	18	226	V
8	17.47465	33.87	Pk	41.2	-19.8	0	55.27	-	-	-	-	68.2	-12.93	0-360	200	V
4	17.47564	31.77	Pk	41.3	-19.3	0	53.77	-	-	-	-	68.2	-14.43	0-360	100	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

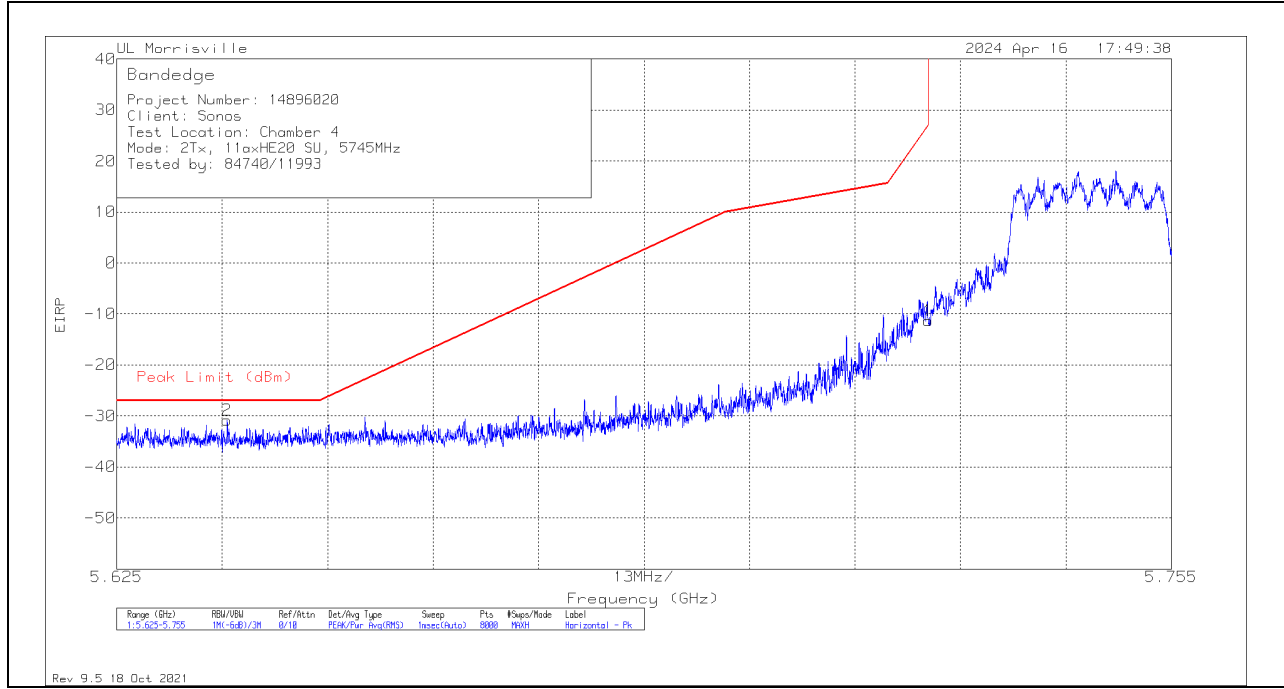
PK-U - Maximum Peak

ADR - RMS average

**2TX CDD MODE – SU**

**BANDEDGE (LOW CHANNEL)**

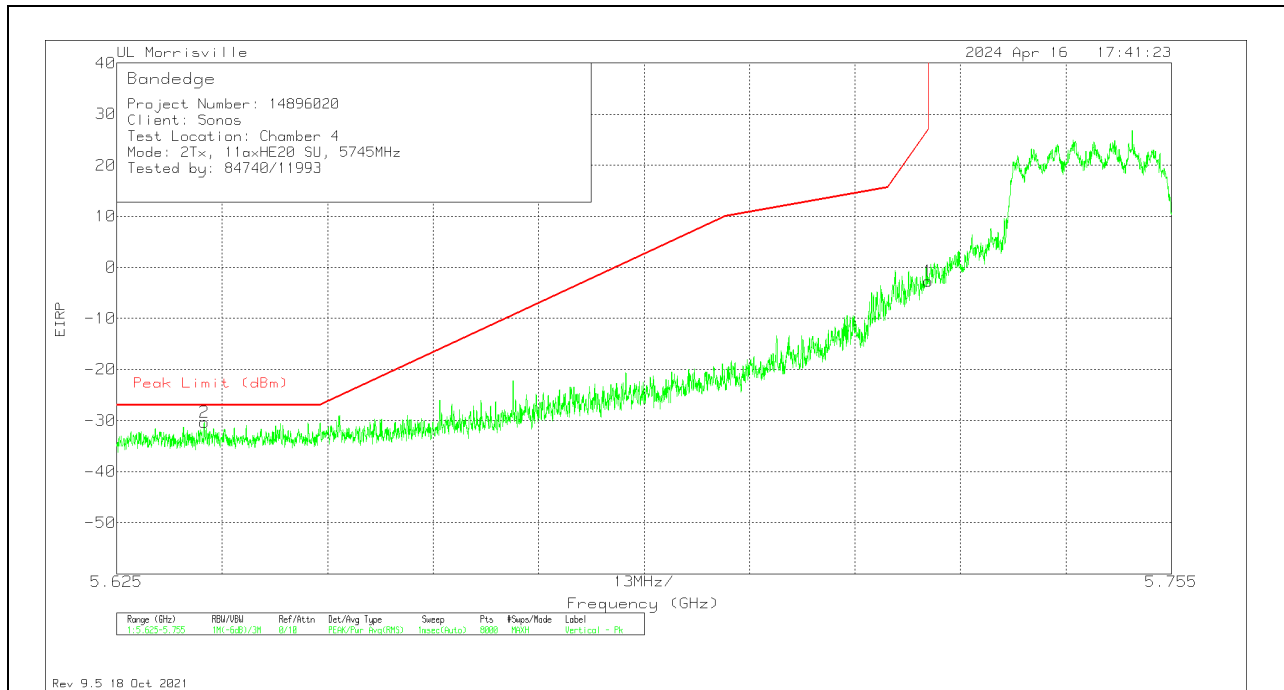
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.6386	-68.86	Pk	34.7	-8.5	11.8	0	-30.86	-27	-3.86	108	103	H
1	5.725	-49.09	Pk	34.7	-8.7	11.8	0	-11.29	27	-38.29	108	103	H

Pk - Peak detector

### VERTICAL RESULT

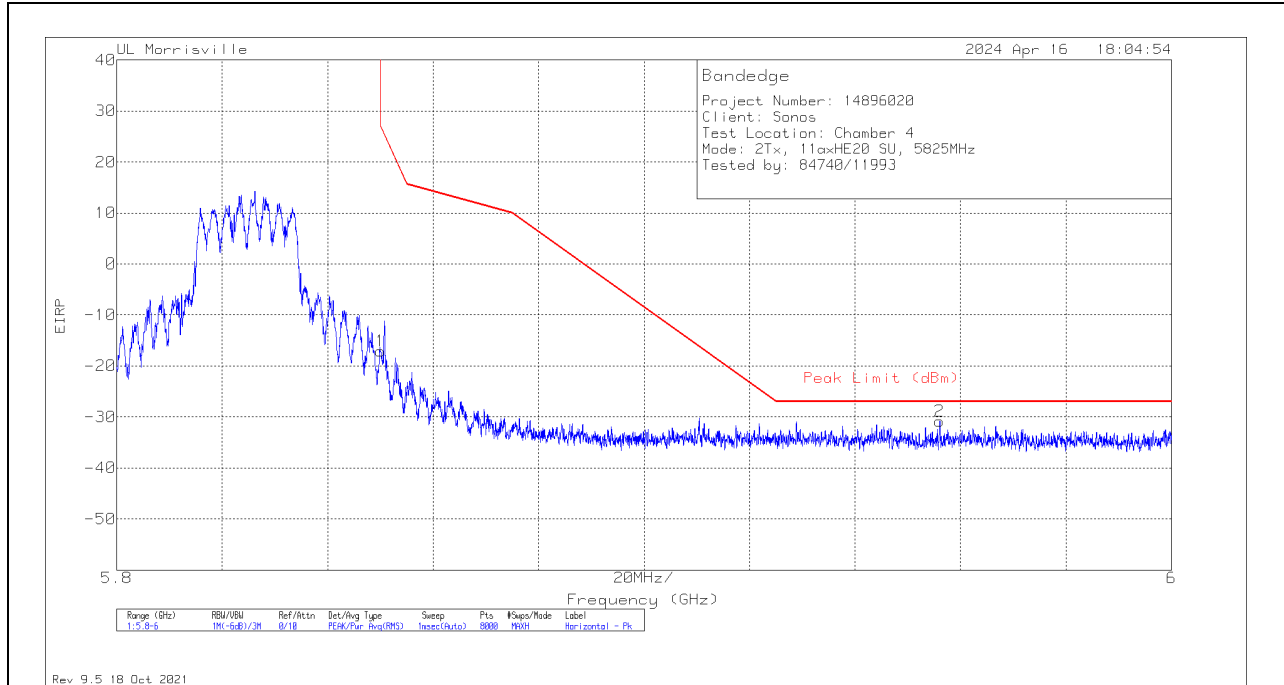


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63579	-68.24	Pk	34.7	-8.6	11.8	0	-30.34	-27	-3.34	158	101	V
1	5.725	-40.51	Pk	34.7	-8.7	11.8	0	-2.71	27	-29.71	158	101	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

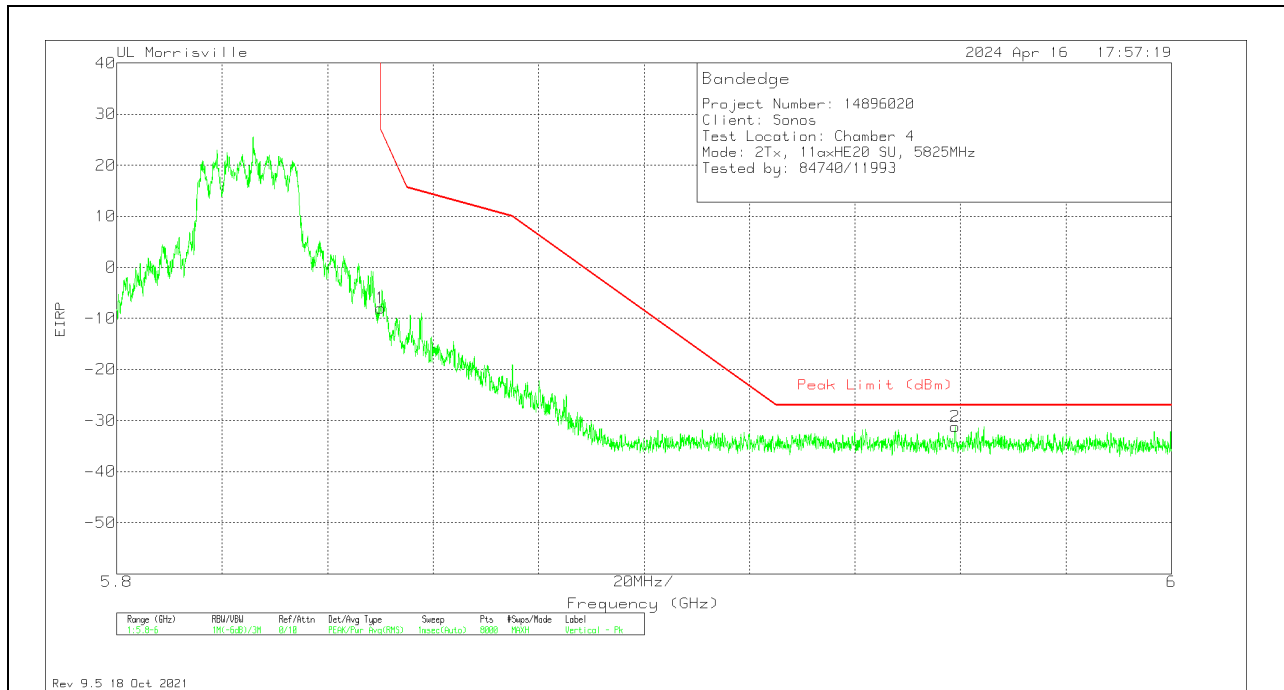
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-55.26	Pk	34.8	-8.4	11.8	0	-17.06	26.99	-44.05	331	172	H
2	5.95607	-69.19	Pk	35	-8.4	11.8	0	-30.79	-27	-3.79	331	172	H

Pk - Peak detector

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-46.19	Pk	34.8	-8.4	11.8	0	-7.99	26.99	-34.98	155	152	V
2	5.95899	-69.55	Pk	35	-8.4	11.8	0	-31.15	-27	-4.15	155	152	V

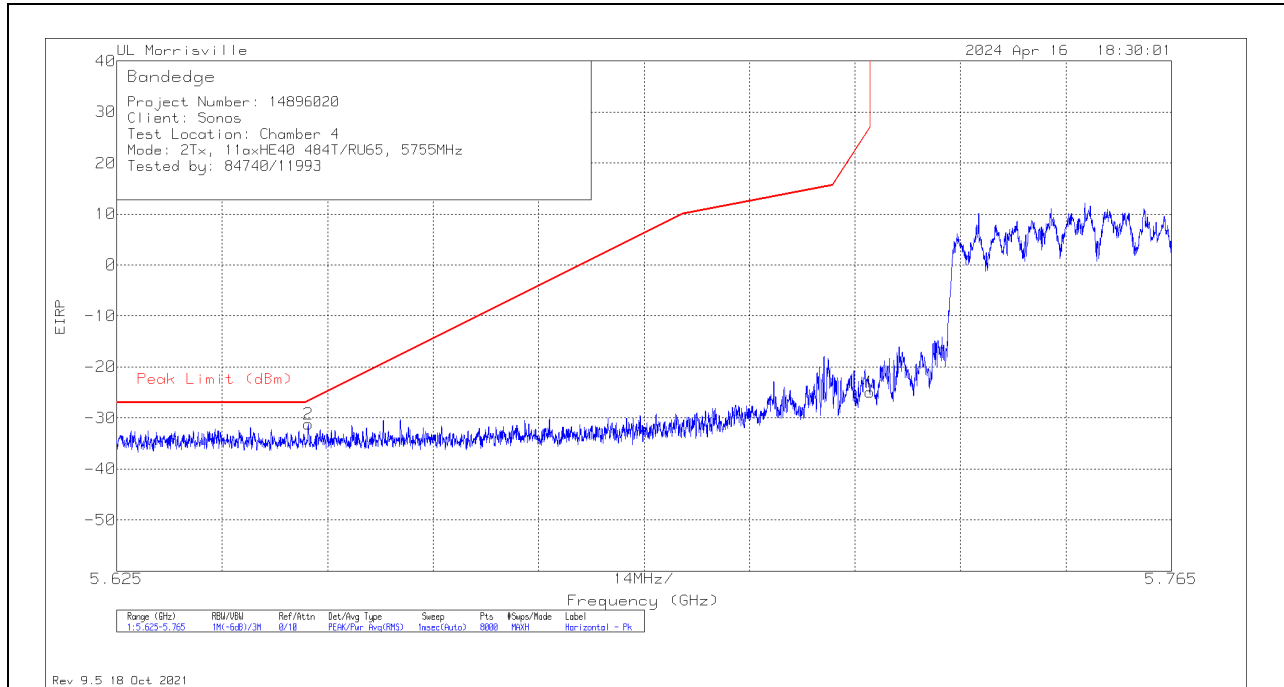
Pk - Peak detector

**10.1.27. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.8 GHz BAND**

**2TX CDD MODE – 484T**

**BANDEDGE (LOW CHANNEL)**

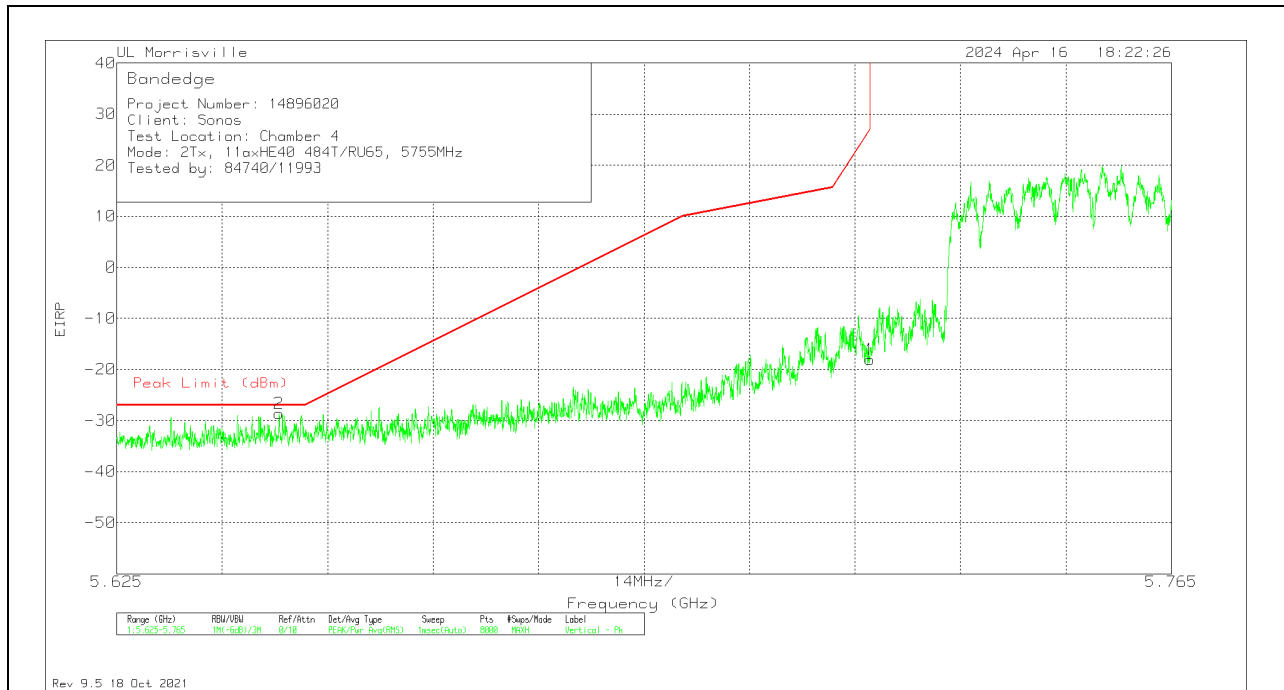
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.65043	-69.32	Pk	34.7	-8.4	11.8	0	-31.22	-26.68	-4.54	10	249	H
1	5.72499	-62.74	Pk	34.7	-8.7	11.8	0	-24.94	26.97	-51.91	10	249	H

Pk - Peak detector

### VERTICAL RESULT



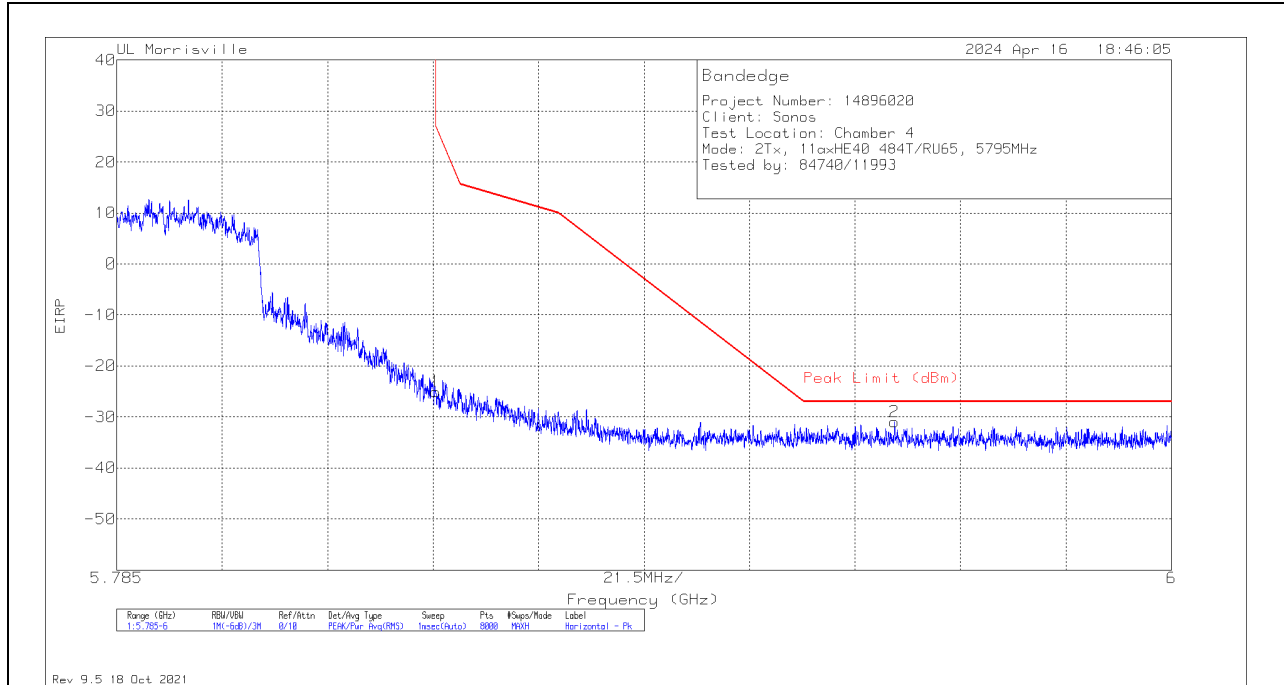
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64655	-66.46	Pk	34.7	-8.7	11.8	0	-28.66	-27	-1.66	245	202	V
1	5.72499	-55.89	Pk	34.7	-8.7	11.8	0	-18.09	26.97	-45.06	245	202	V

Pk - Peak detector



**BANDEDGE (HIGH CHANNEL)**

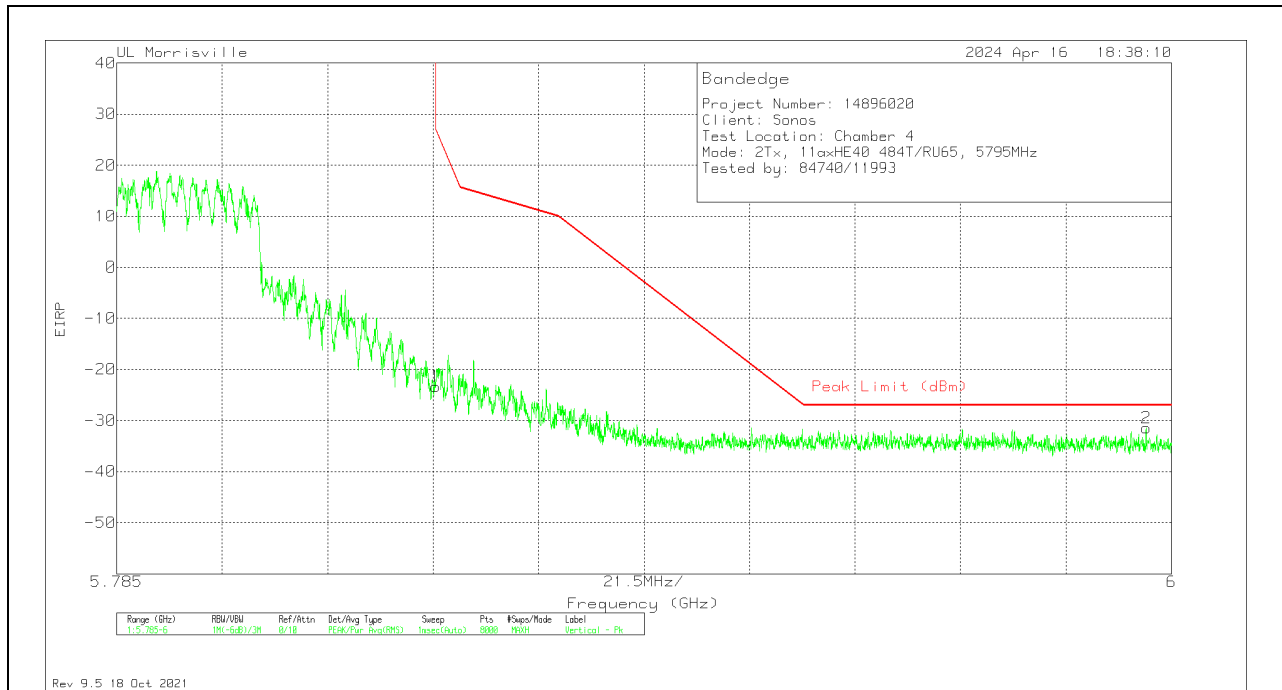
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-63.2	Pk	34.8	-8.4	11.8	0	-25	26.96	-51.96	59	209	H
2	5.94353	-69.68	Pk	35	-8.1	11.8	0	-30.98	-27	-3.98	59	209	H

Pk - Peak detector

### VERTICAL RESULT



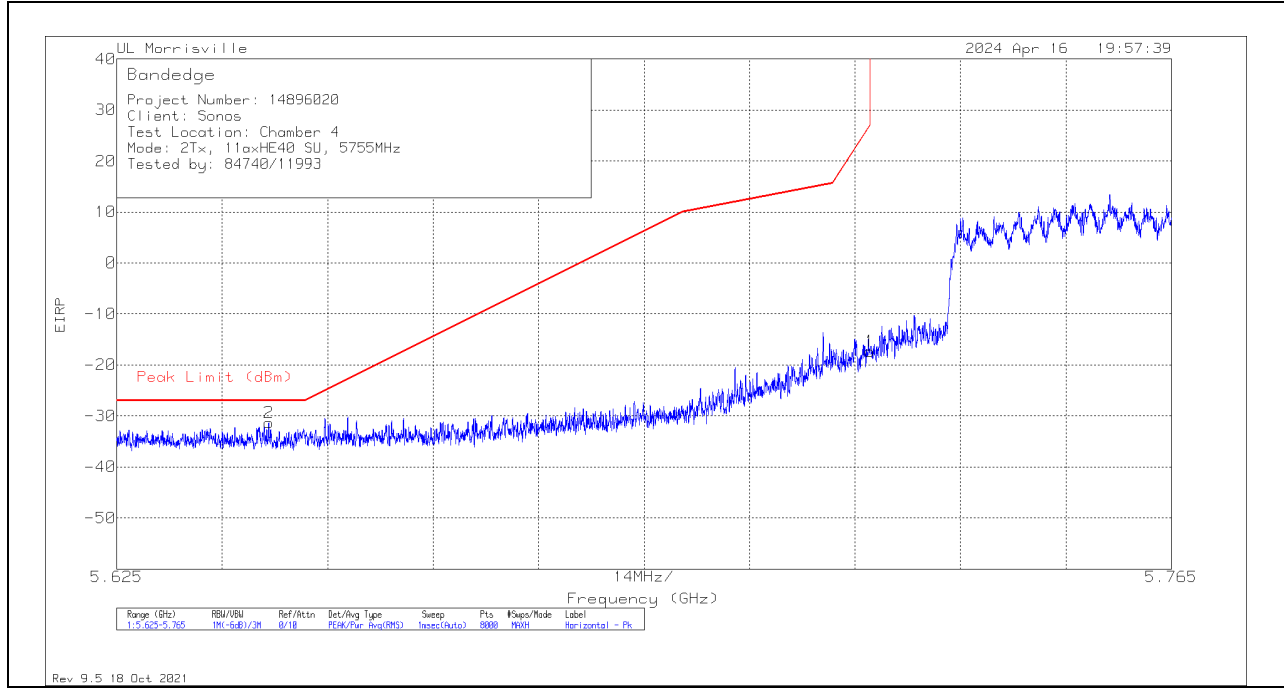
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-61.58	Pk	34.8	-8.4	11.8	0	-23.38	26.96	-50.34	216	222	V
2	5.99486	-69.94	Pk	35	-8.3	11.8	0	-31.44	-27	-4.44	216	222	V

Pk - Peak detector

**2TX CDD MODE – SU**

**BANDEDGE (LOW CHANNEL)**

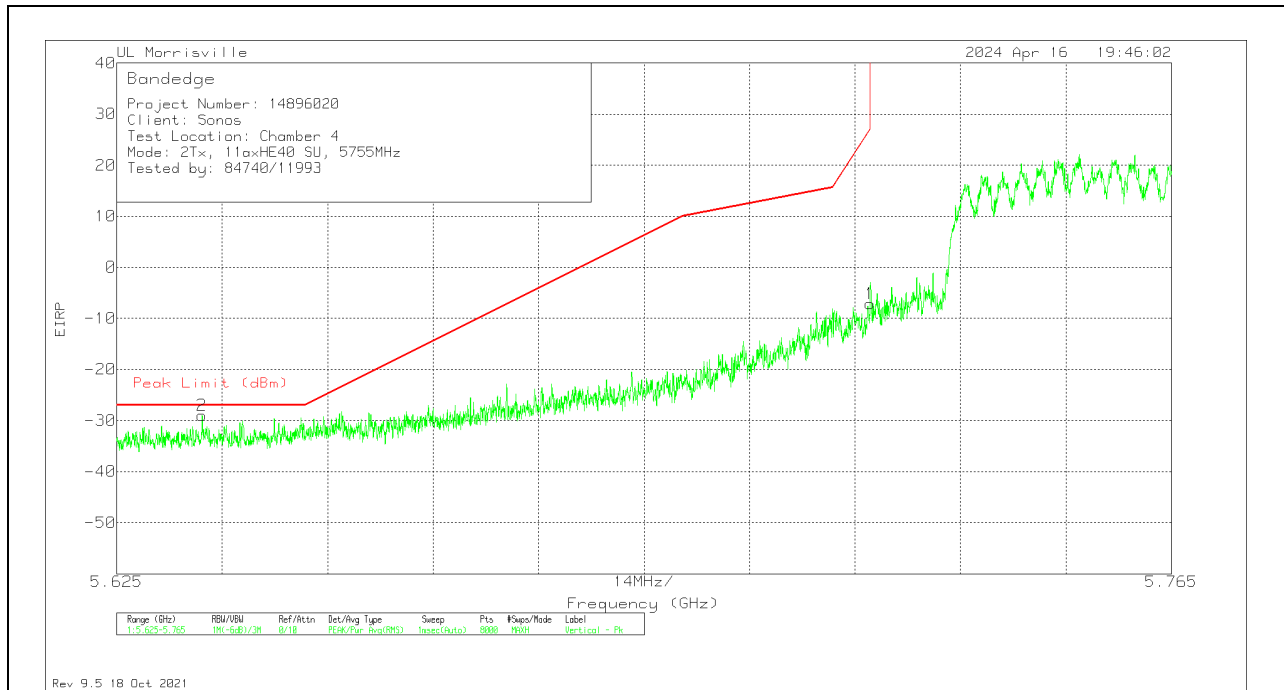
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64518	-69.02	Pk	34.7	-8.8	11.8	0	-31.32	-27	-4.32	58	212	H
1	5.72499	-55.12	Pk	34.7	-8.7	11.8	0	-17.32	26.97	-44.29	58	212	H

Pk - Peak detector

### VERTICAL RESULT

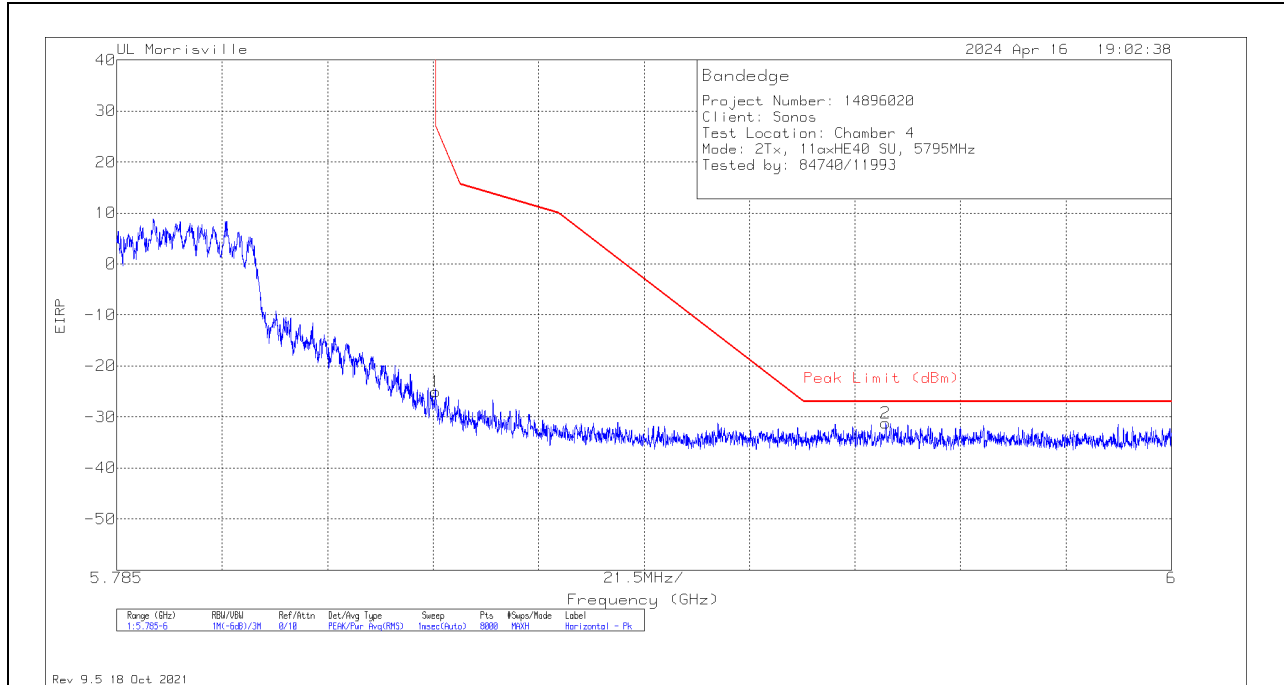


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63634	-67.01	Pk	34.7	-8.5	11.8	0	-29.01	-27	-2.01	207	183	V
1	5.72499	-44.88	Pk	34.7	-8.7	11.8	0	-7.08	26.97	-34.05	207	183	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

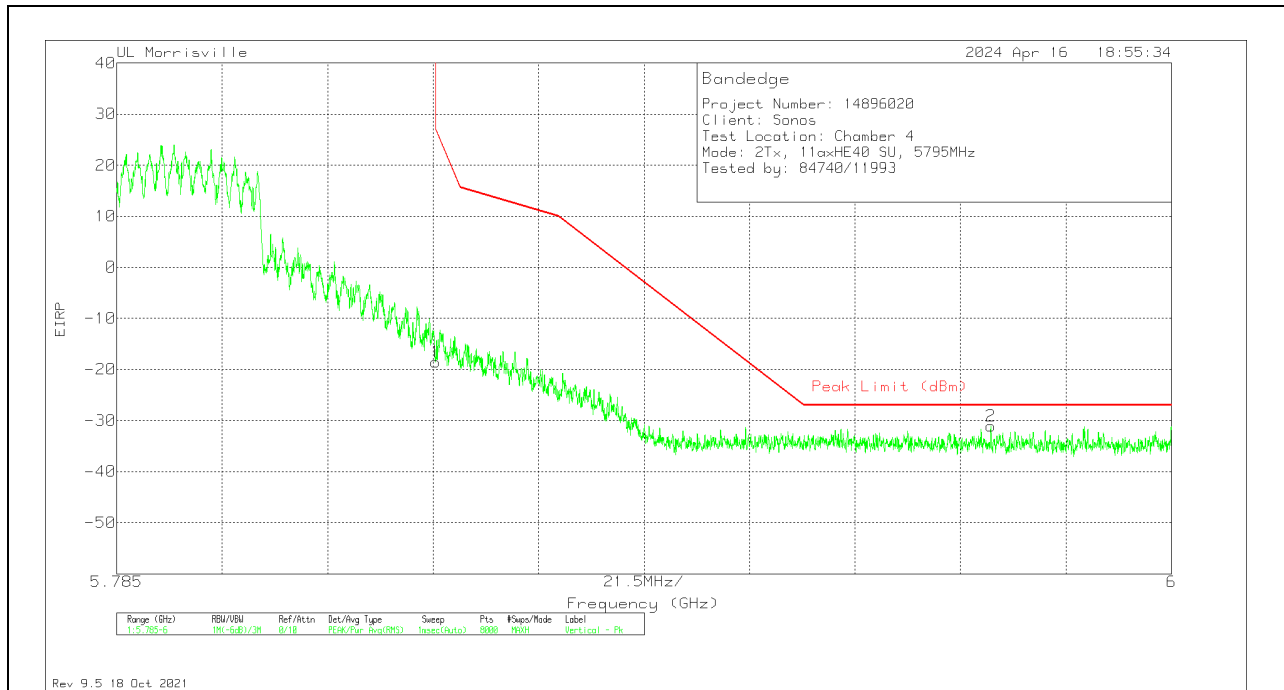
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-63.31	Pk	34.8	-8.4	11.8	0	-25.11	26.96	-52.07	226	103	H
2	5.94175	-69.74	Pk	35	-8.3	11.8	0	-31.24	-27	-4.24	226	103	H

Pk - Peak detector

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-56.74	Pk	34.8	-8.4	11.8	0	-18.54	26.96	-45.5	206	146	V
2	5.96317	-69.56	Pk	35	-8.3	11.8	0	-31.06	-27	-4.06	206	146	V

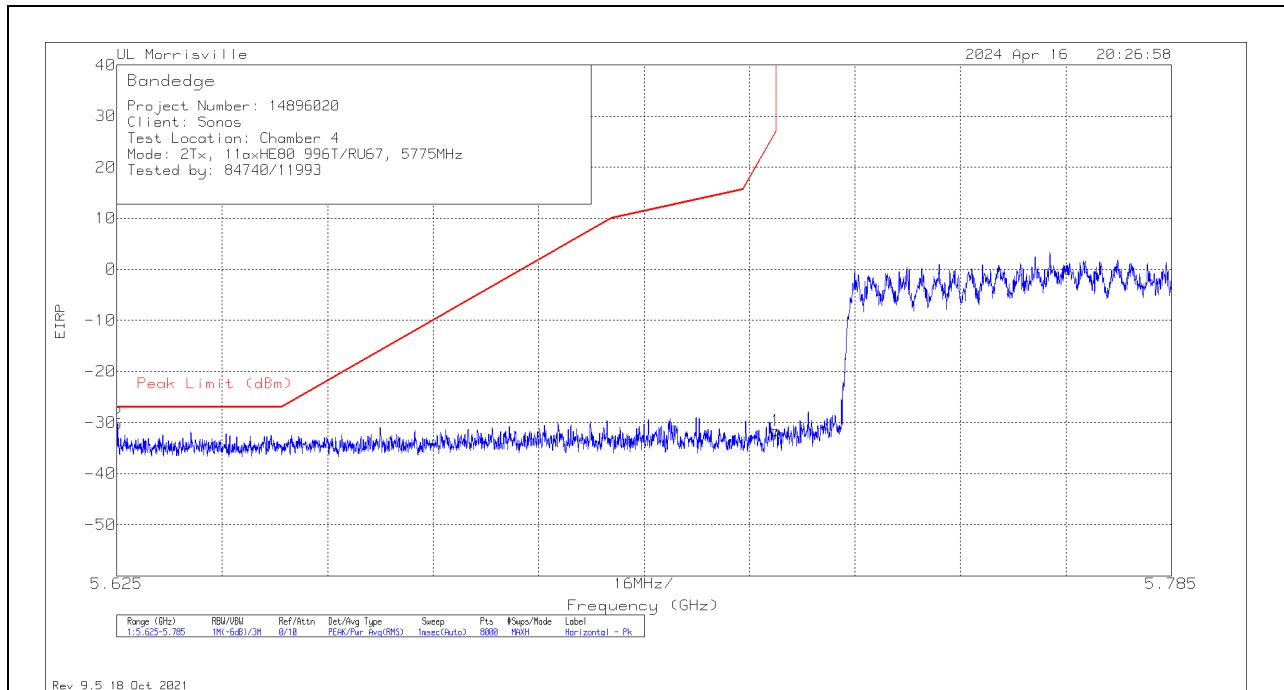
Pk - Peak detector

**10.1.28. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.8 GHz BAND**

**2TX CDD MODE – 996T**

**BANDEDGE (LOW CHANNEL)**

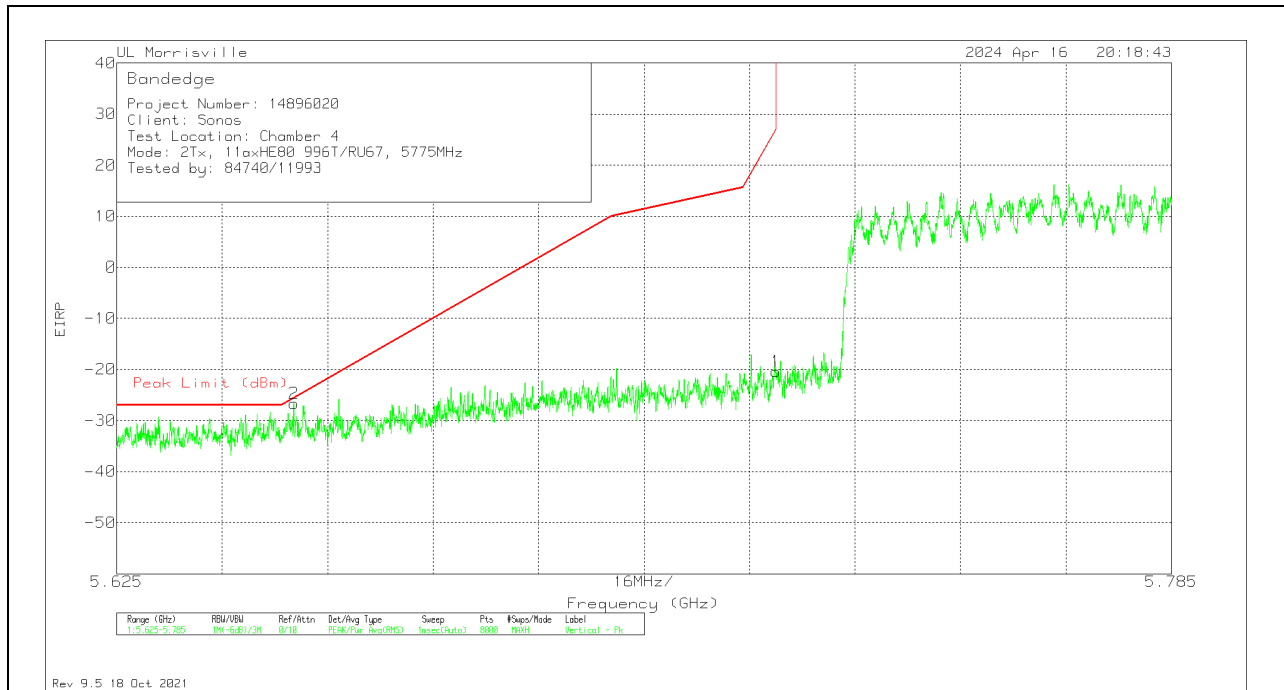
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62512	-68.24	Pk	34.7	-8.5	11.8	0	-30.24	-27	-3.24	55	226	H
1	5.725	-69.35	Pk	34.7	-8.7	11.8	0	-31.55	26.99	-58.54	55	226	H

Pk - Peak detector

### VERTICAL RESULT



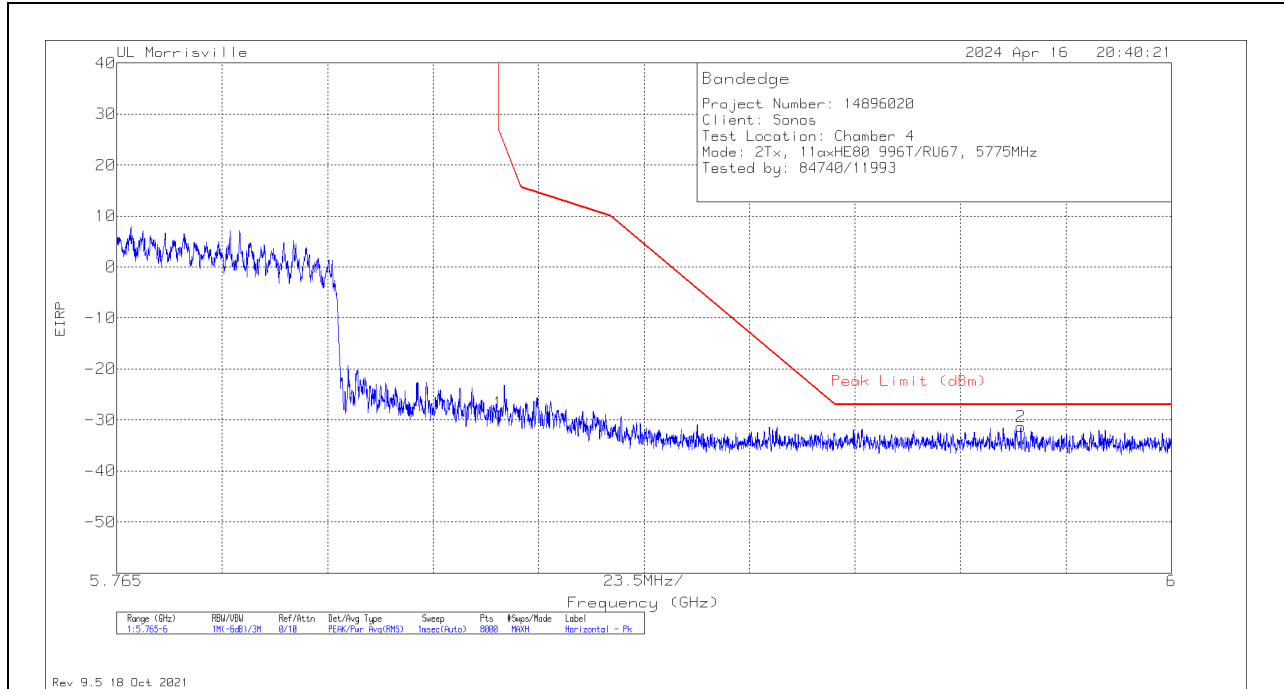
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.65186	-64.81	Pk	34.7	-8.4	11.8	0	-26.71	-25.62	-1.09	207	172	V
1	5.725	-58.15	Pk	34.7	-8.7	11.8	0	-20.35	26.99	-47.34	207	172	V

Pk - Peak detector



**BANDEDGE (HIGH CHANNEL)**

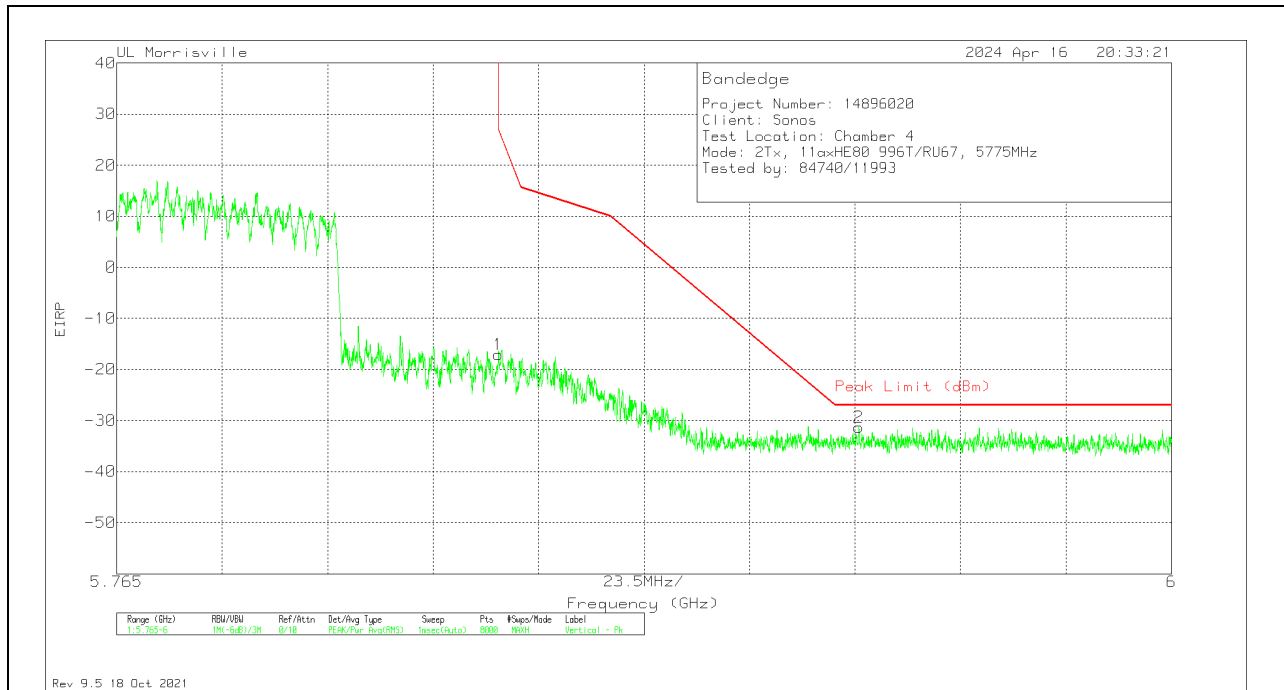
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-66.84	Pk	34.8	-8.4	11.8	0	-28.64	26.95	-55.59	108	103	H
2	5.96645	-69.8	Pk	35	-8.3	11.8	0	-31.3	-27	-4.3	108	103	H

Pk - Peak detector

### VERTICAL RESULT



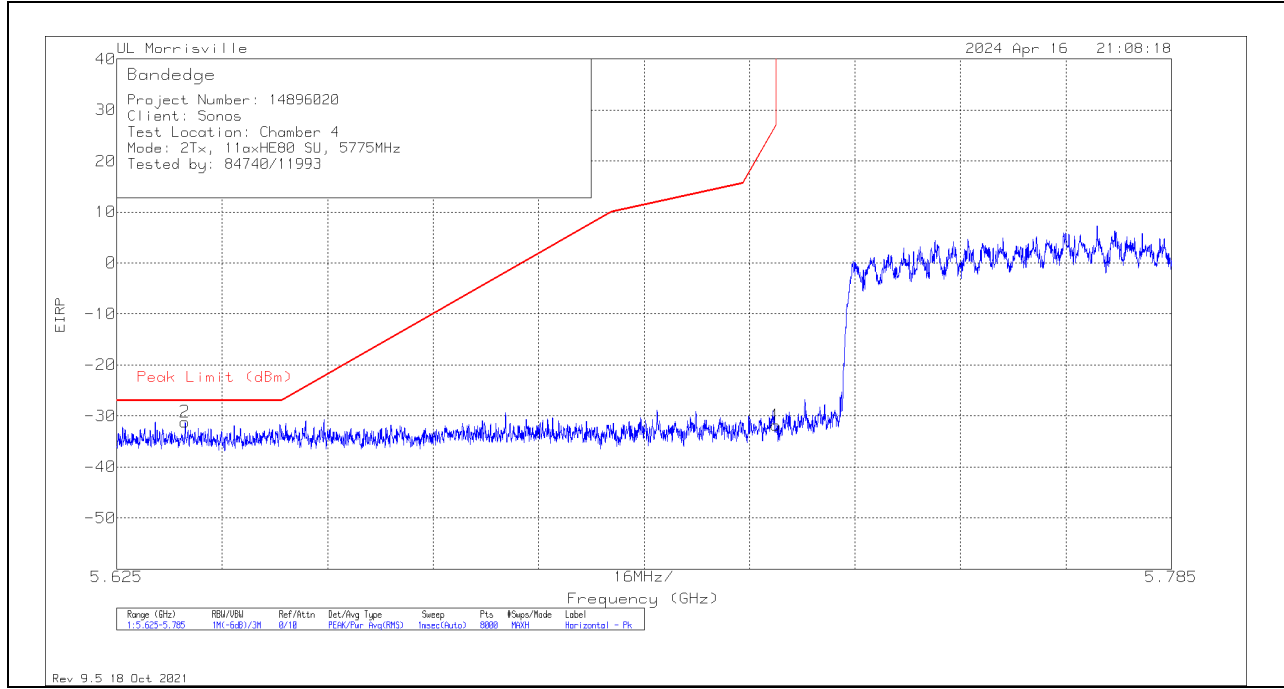
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-55.22	Pk	34.8	-8.4	11.8	0	-17.02	26.95	-43.97	205	146	V
2	5.93035	-70	Pk	35	-8.1	11.8	0	-31.3	-27	-4.3	205	146	V

Pk - Peak detector

**2TX CDD MODE – SU**

**BANDEDGE (LOW CHANNEL)**

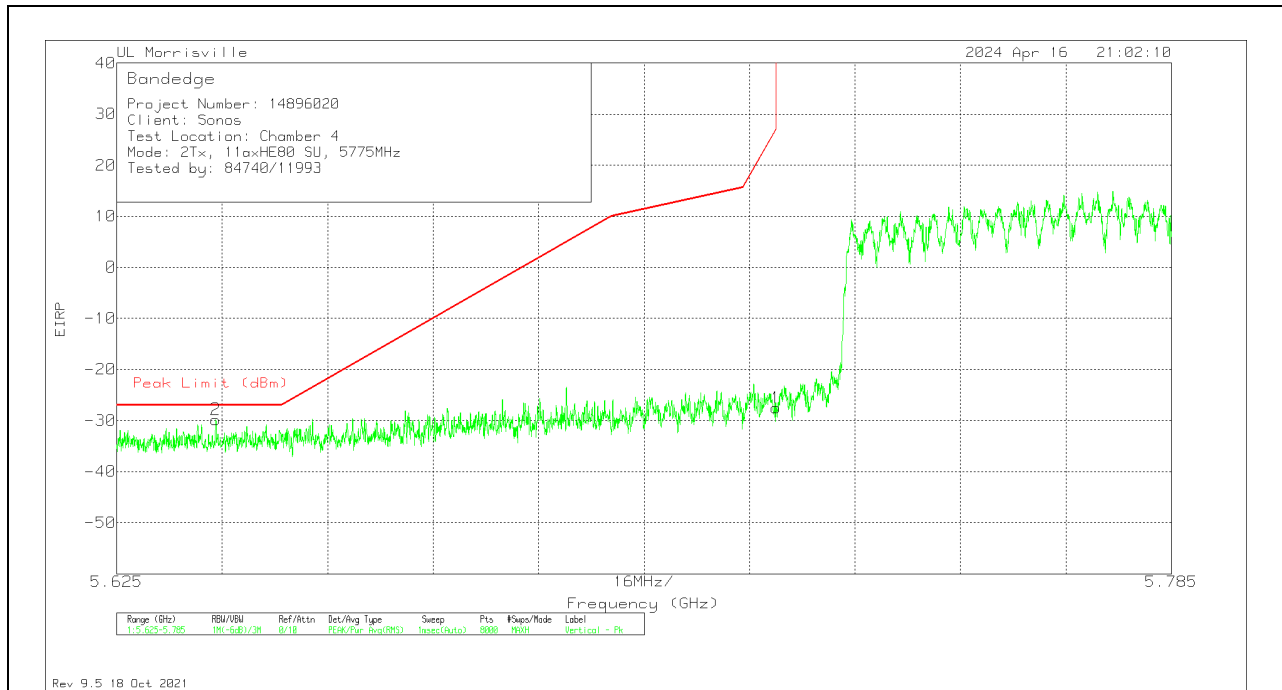
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63538	-69.04	Pk	34.7	-8.6	11.8	0	-31.14	-27	-4.14	103	106	H
1	5.725	-69.65	Pk	34.7	-8.7	11.8	0	-31.85	26.99	-58.84	103	106	H

Pk - Peak detector

### VERTICAL RESULT

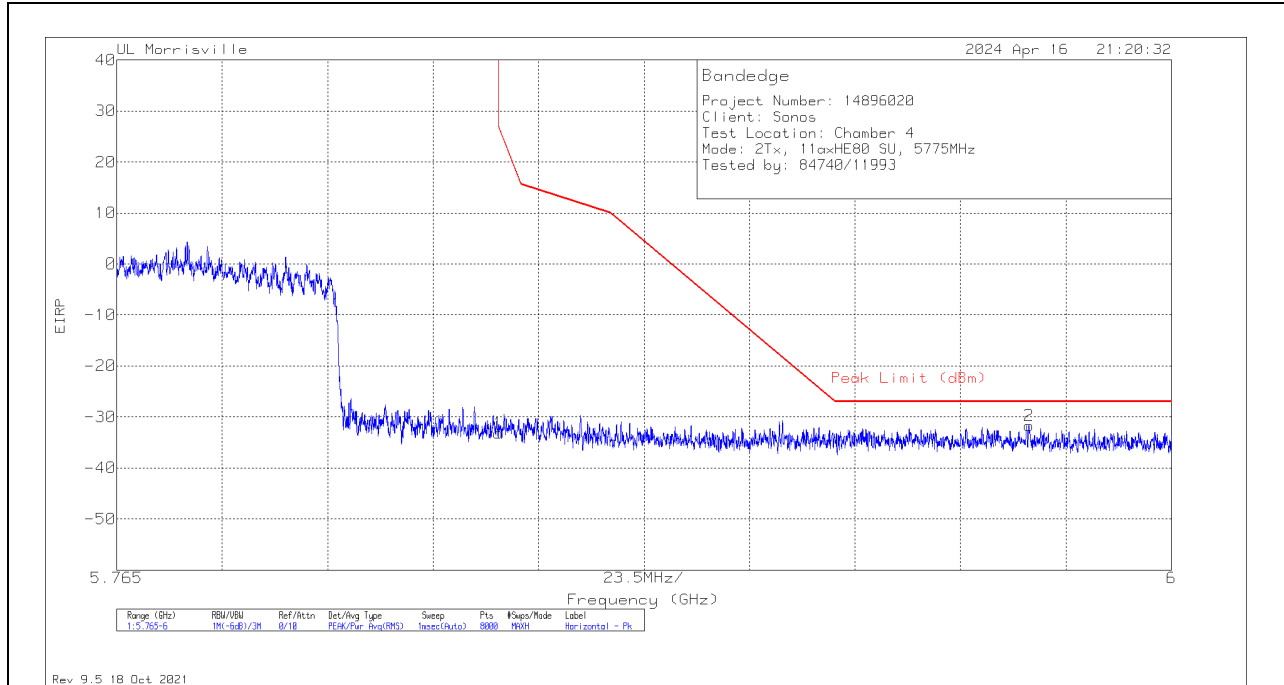


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64004	-67.69	Pk	34.7	-8.6	11.8	0	-29.79	-27	-2.79	205	116	V
1	5.725	-65.27	Pk	34.7	-8.7	11.8	0	-27.47	26.99	-54.46	205	116	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

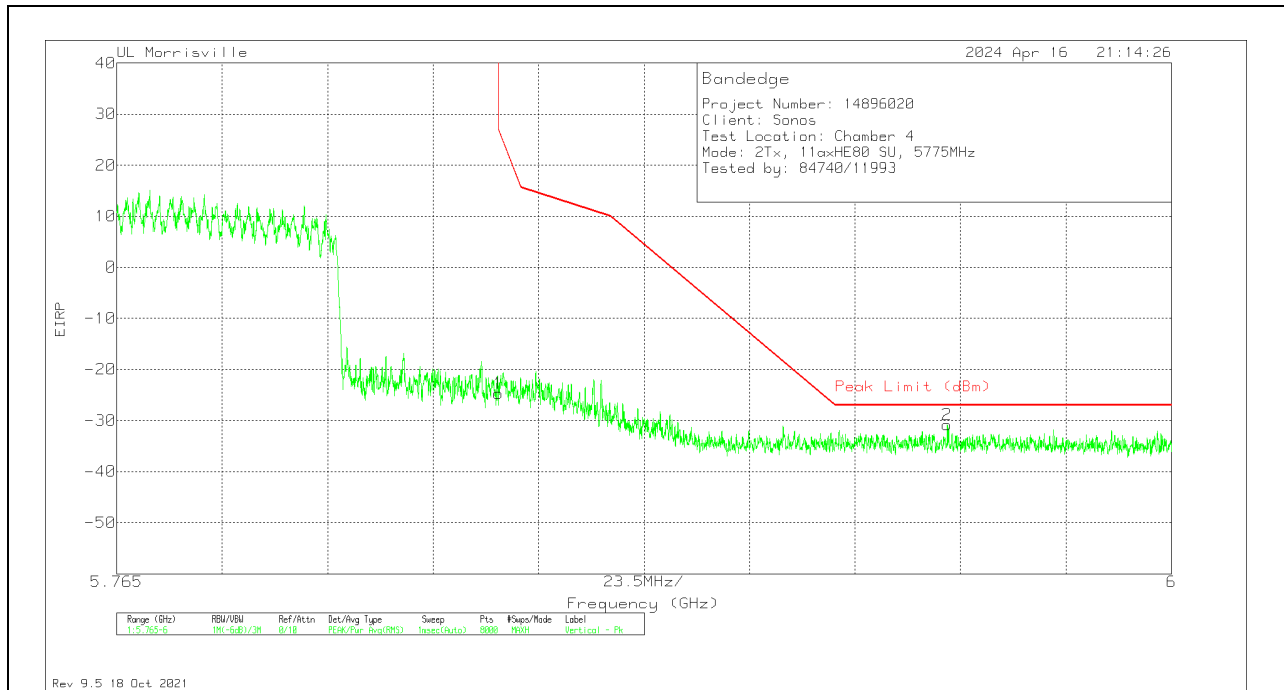
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-71.36	Pk	34.8	-8.4	11.8	0	-33.16	26.95	-60.11	86	313	H
2	5.96824	-70.04	Pk	35	-8.4	11.8	0	-31.64	-27	-4.64	86	313	H

Pk - Peak detector

### VERTICAL RESULT

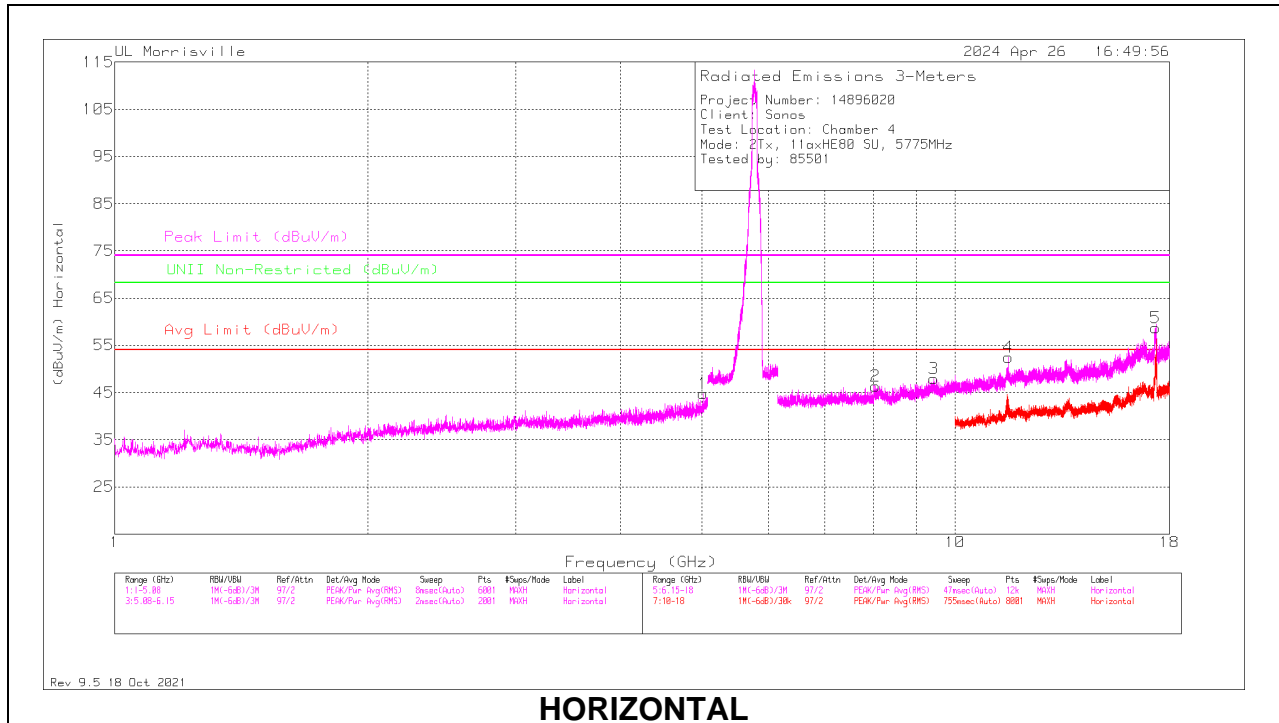


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-62.92	Pk	34.8	-8.4	11.8	0	-24.72	26.95	-51.67	163	142	V
2	5.95006	-69.1	Pk	35	-8.5	11.8	0	-30.8	-27	-3.8	163	142	V

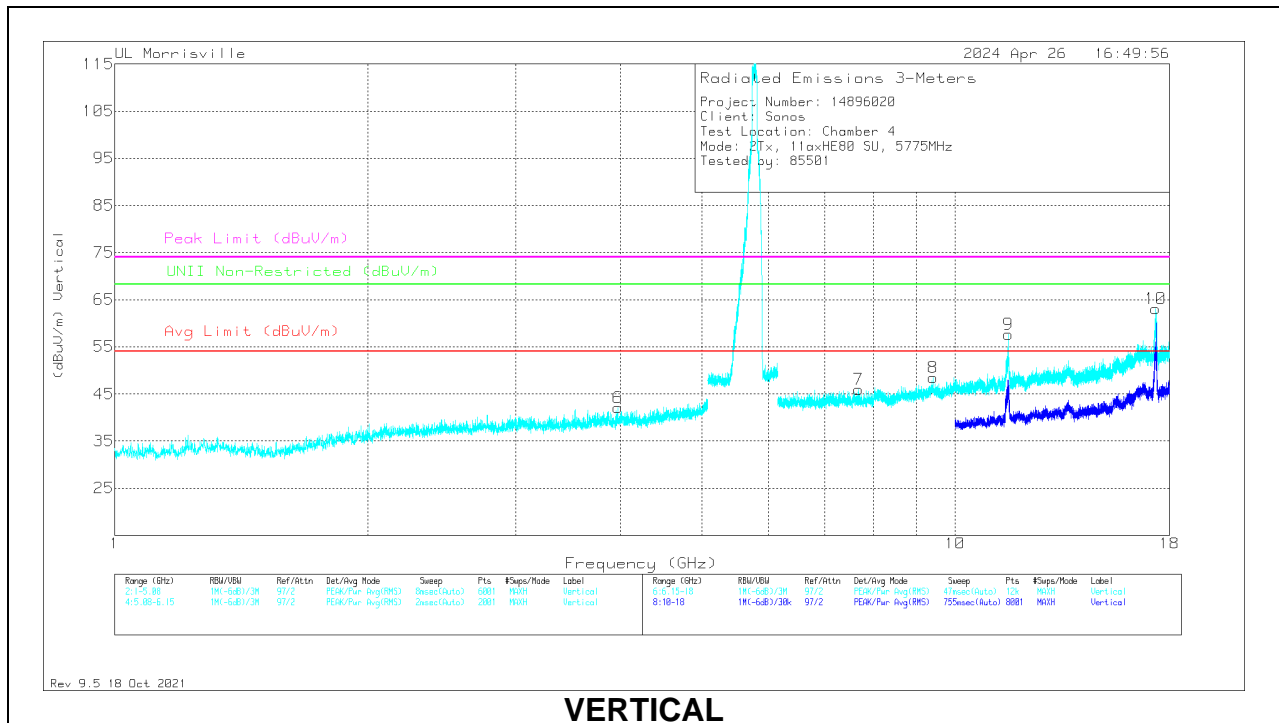
Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS

## MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.01268	40.9	Pk	34.1	-30.3	0	44.7	54	-9.3	74	-29.3	-	-	0-360	100	H
6	*** 3.9682	41.45	Pk	33.4	-32.8	0	42.05	54	-11.95	74	-31.95	-	-	0-360	200	V
2	*** 8.04501	38.11	Pk	35.8	-27.6	0	46.31	54	-7.69	74	-27.69	-	-	0-360	100	H
3	*** 9.44134	36.35	Pk	36.7	-25.1	0	47.95	54	-6.05	74	-26.05	-	-	0-360	100	H
4	*** 11.57851	38.06	PK-U	38.3	-23.6	0	52.76	-	-	74	-21.24	-	-	150	125	H
	*** 11.57688	25.21	ADR	38.3	-23.9	2.37	41.98	54	-12.02	-	-	-	-	150	125	H
7	*** 7.68458	37.7	Pk	35.7	-27.5	0	45.9	54	-8.1	74	-28.1	-	-	0-360	200	V
8	*** 9.41922	37.79	PK-U	36.6	-25.3	0	49.09	-	-	74	-24.91	-	-	198	181	V
	*** 9.417	25.6	ADR	36.6	-25.2	2.37	39.37	54	-14.63	-	-	-	-	198	181	V
9	*** 11.57725	42.99	PK-U	38.3	-23.8	0	57.49	-	-	74	-16.51	-	-	66	290	V
	*** 11.57701	29.3	ADR	38.3	-23.9	2.37	46.07	54	-7.93	-	-	-	-	66	290	V
5	17.33583	39.89	PK-U	41.2	-20	0	61.09	-	-	74	-12.91	68.2	-7.11	72	310	H
10	17.33567	43.76	PK-U	41.2	-20	0	64.96	-	-	74	-9.04	68.2	-3.24	29	331	V

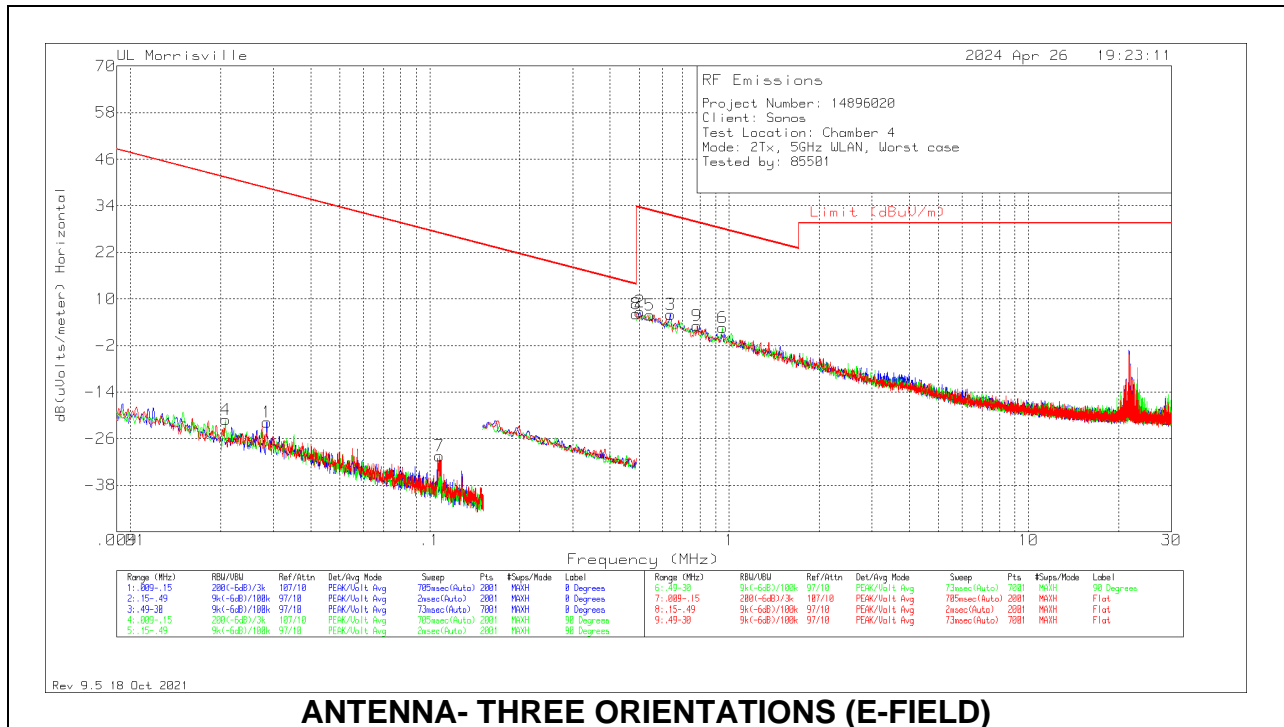
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 PK-U - Maximum Peak  
 ADR - RMS average



## 10.2. TRANSMITTER WORST CASE

### 10.2.1. SPURIOUS BELOW 30MHz

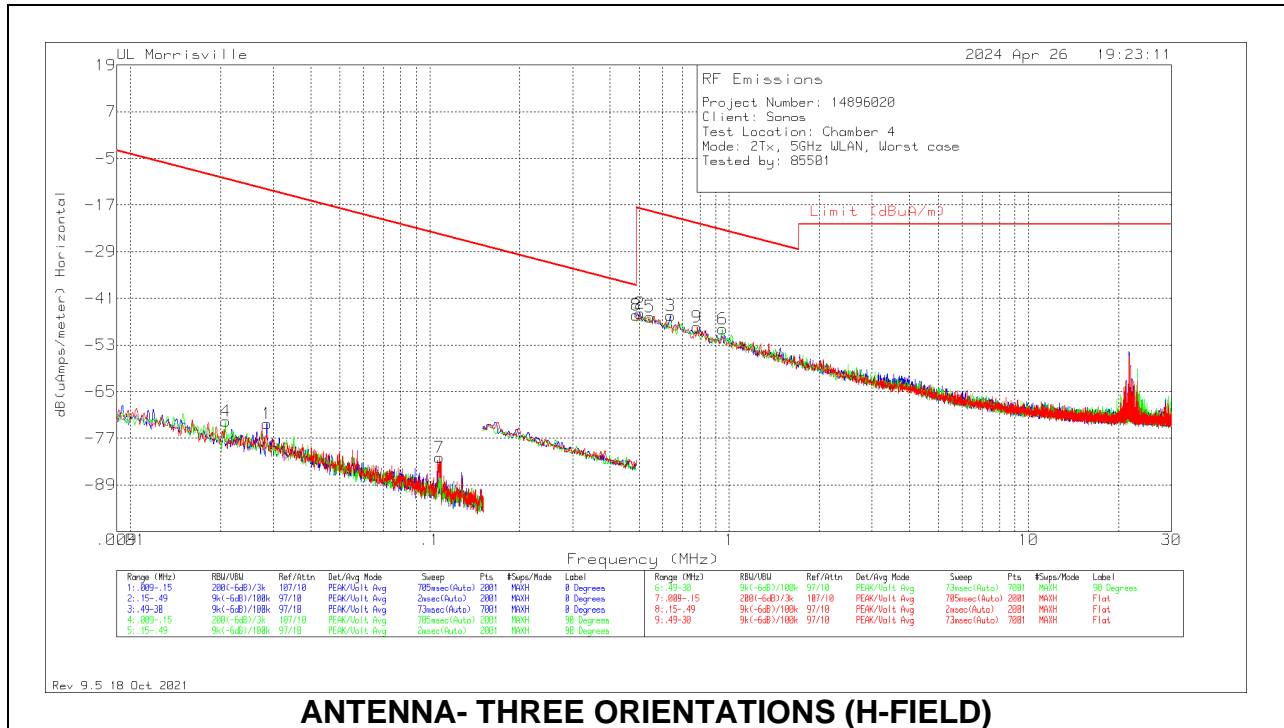
Note: All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz – 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance 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 (E-FIELD)

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
4	.02079	44.96	Pk	13.9	0	-80	-21.14	41.25	61.25	-62.39	0-360	90 degs
1	.0286	44.61	Pk	13.6	0	-80	-21.79	38.48	58.48	-60.27	0-360	0 degs
7	.10783	38.46	Pk	11.1	0	-80	-30.44	26.95	-	-57.39	0-360	Flat
8	.49	34.97	Pk	11.1	.1	-40	6.17	13.8	33.8	-7.63	0-360	Flat
2	.50265	35.51	Pk	11.1	.1	-40	6.71	33.58	-	-26.87	0-360	0 degs
5	.54481	34.56	Pk	11.1	.1	-40	5.76	32.88	-	-27.12	0-360	90 degs
3	.63756	34.74	Pk	11.2	.1	-40	6.04	31.51	-	-25.47	0-360	0 degs
9	.7809	31.87	Pk	11.1	.1	-40	3.07	29.75	-	-26.68	0-360	Flat
6	.94954	31.16	Pk	11.3	.1	-40	2.56	28.05	-	-25.49	0-360	90 degs

Pk - Peak detector

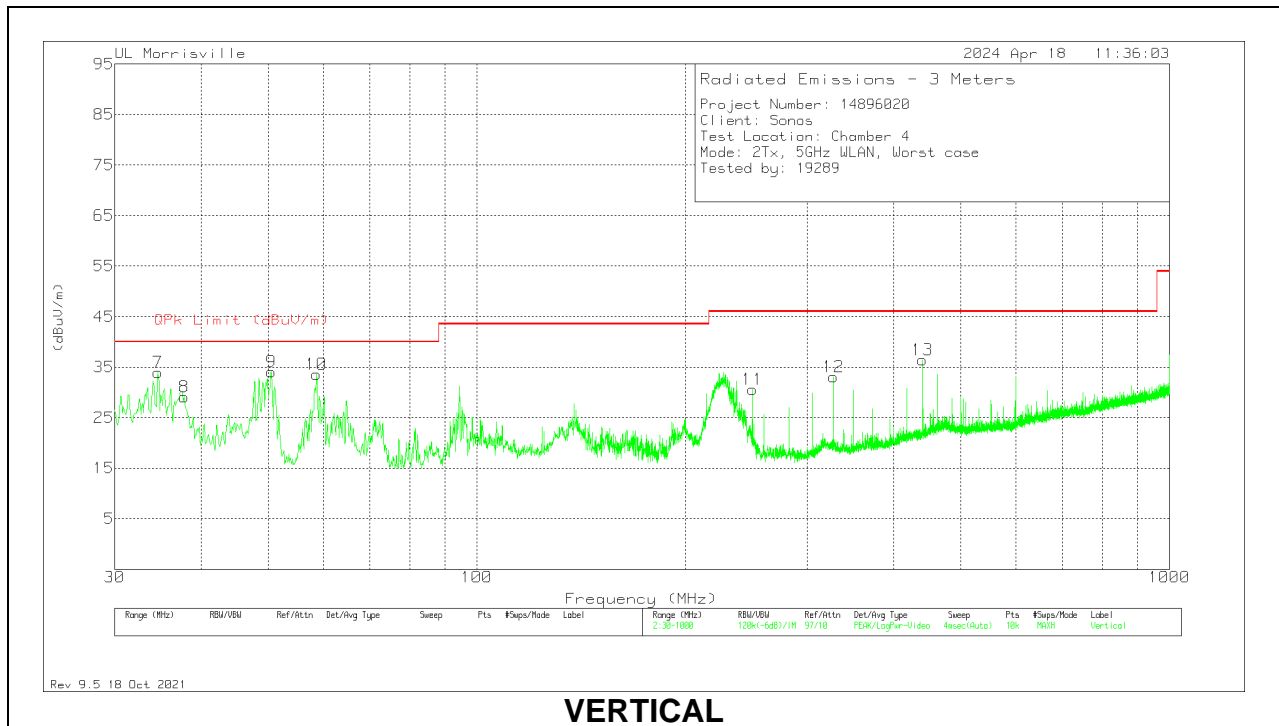
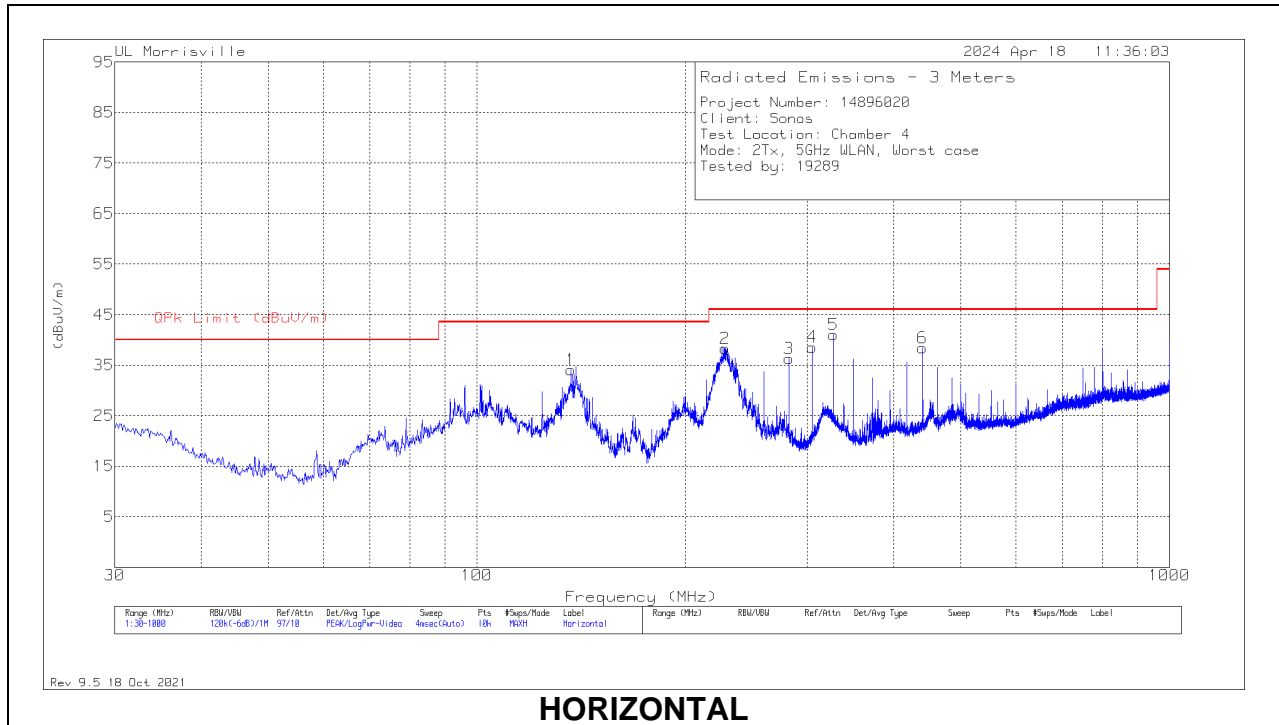


**ANTENNA- THREE ORIENTATIONS (H-FIELD)**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	135144 (dBuV/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
4	.02079	44.96	Pk	-37.6	0	-80	-72.64	-10.25	9.75	-62.39	0-360	90 degs
1	.0286	44.61	Pk	-37.9	0	-80	-73.29	-13.02	6.98	-60.27	0-360	0 degs
7	.10783	38.46	Pk	-40.4	0	-80	-81.94	-24.55	-	-57.39	0-360	Flat
8	.49	34.97	Pk	-40.4	.1	-40	-45.33	-37.7	-17.7	-7.63	0-360	Flat
2	.50265	35.51	Pk	-40.4	.1	-40	-44.79	-17.92	-	-26.87	0-360	0 degs
5	.54481	34.56	Pk	-40.4	.1	-40	-45.74	-18.62	-	-27.12	0-360	90 degs
3	.63756	34.74	Pk	-40.3	.1	-40	-45.46	-19.99	-	-25.47	0-360	0 degs
9	.7809	31.87	Pk	-40.4	.1	-40	-48.43	-21.75	-	-26.68	0-360	Flat
6	.94954	31.16	Pk	-40.2	.1	-40	-48.94	-23.45	-	-25.49	0-360	90 degs

Pk - Peak detector

### 10.2.2. SPURIOUS 30-1000MHz



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
1	*** 136.7	45.74	Pk	19.5	-31.2	34.04	43.52	-9.48	0-360	100	H
3	*** 282.2	47.19	Pk	19.5	-30.4	36.29	46.02	-9.73	0-360	100	H
5	*** 327.39	50.71	Qp	20.1	-30.2	40.61	46.02	-5.41	99	105	H
8	*** 37.76	39.45	Pk	21.7	-32.1	29.05	40	-10.95	0-360	100	V
11	*** 249.996	43.61	Pk	17.5	-30.5	30.61	46.02	-15.41	0-360	100	V
12	*** 327.402	43.14	Pk	20.1	-30.2	33.04	46.02	-12.98	0-360	200	V
7	34.656	42.2	Pk	23.8	-32.1	33.9	-	-	0-360	100	V
9	50.467	51.97	Pk	14	-31.9	34.07	-	-	0-360	100	V
10	58.712	51.73	Pk	13.7	-31.8	33.63	-	-	0-360	100	V
2	228.462	52.02	Pk	17	-30.7	38.32	-	-	0-360	100	H
4	304.801	49.2	Pk	19.7	-30.3	38.6	-	-	0-360	100	H
6	440.31	45.54	Pk	22.7	-29.8	38.44	-	-	0-360	100	H
13	440.31	43.56	Pk	22.7	-29.8	36.46	-	-	0-360	100	V

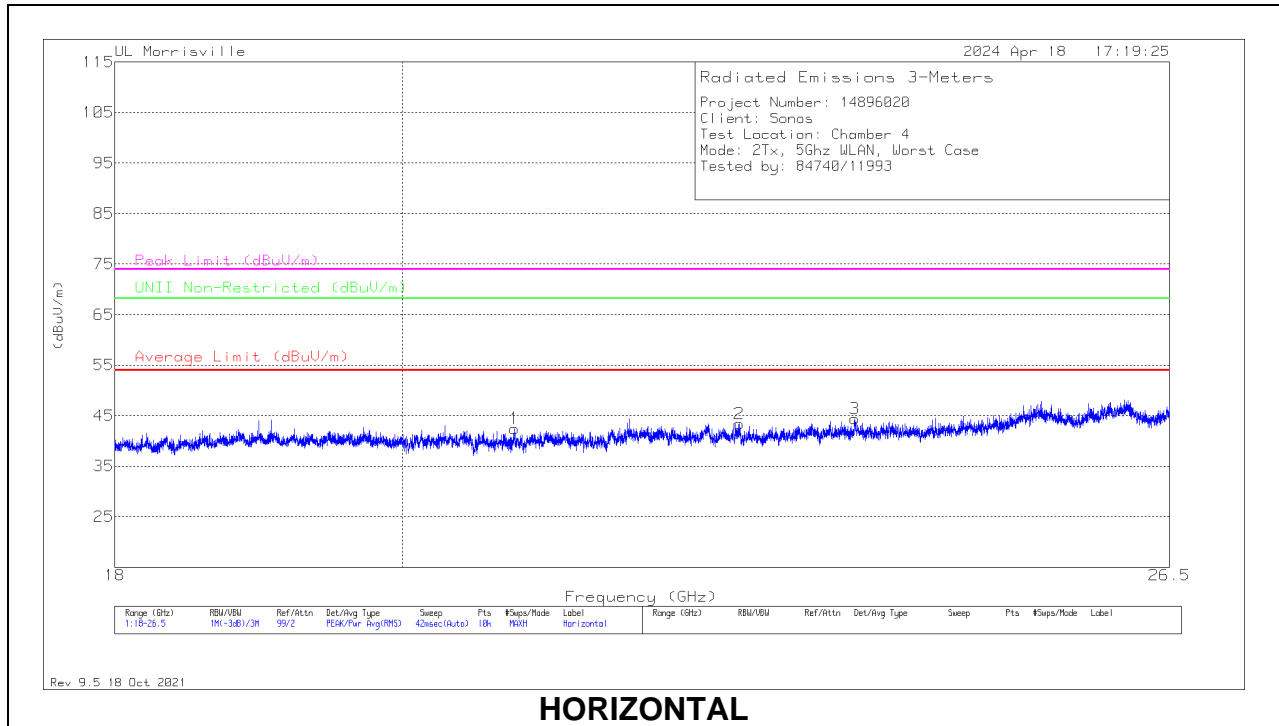
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

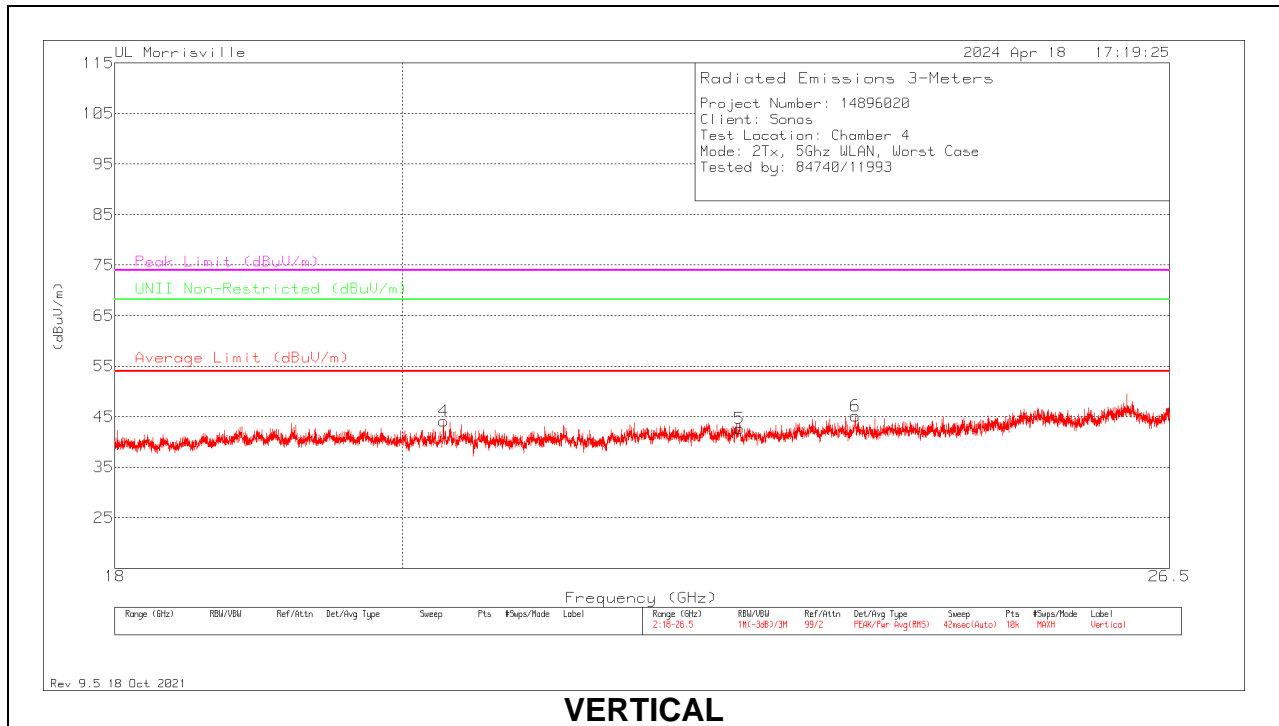
Pk - Peak detector

Qp - Quasi-Peak detector

### 10.2.3. SPURIOUS 18-26 GHz



**HORIZONTAL**



**VERTICAL**

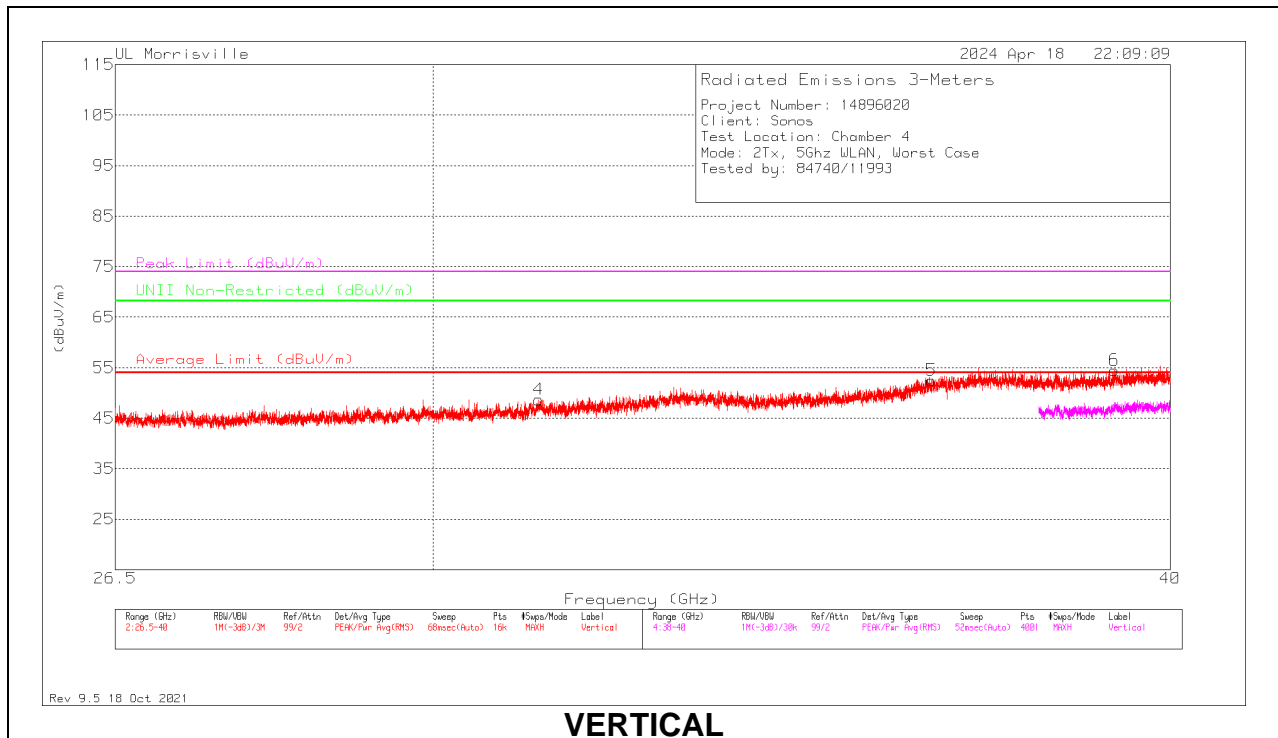
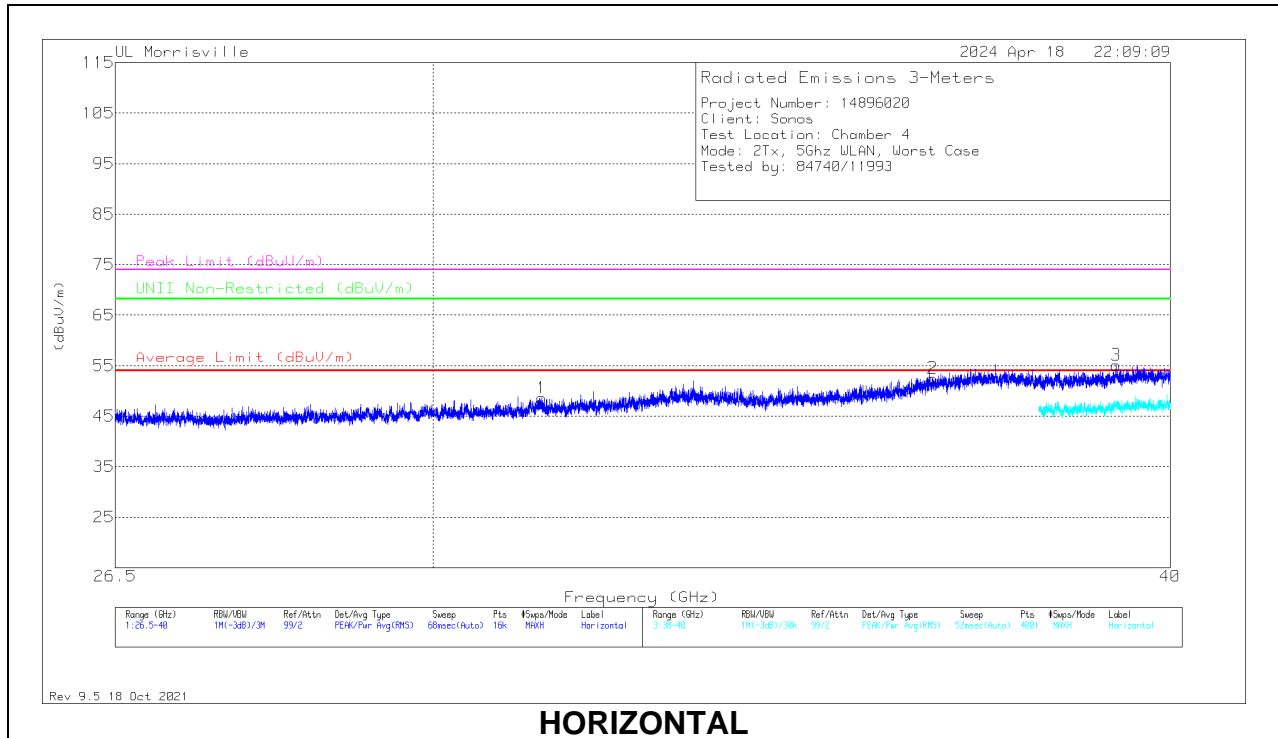
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 20.84382	47.86	Pk	33.4	-38.8	42.46	54	-11.54	74	-31.54	-	-	0-360	200	H
2	*** 22.63204	47.58	Pk	34.2	-38.4	43.38	54	-10.62	74	-30.62	-	-	0-360	250	H
3	*** 23.61029	45.92	Pk	34.6	-36.1	44.42	54	-9.58	74	-29.58	-	-	0-360	250	H
4	*** 20.30582	49.37	Pk	33.6	-38.8	44.17	54	-9.83	74	-29.83	-	-	0-360	300	V
5	*** 22.63289	46.71	Pk	34.2	-38.3	42.61	54	-11.39	74	-31.39	-	-	0-360	200	V
6	*** 23.61709	46.96	Pk	34.6	-36.4	45.16	54	-8.84	74	-28.84	-	-	0-360	250	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)	DC Corr (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	* ** 31.29858	45	PK-U	37	-31.9	0	50.1	-	-	74	-23.9			270	154	H
	* ** 31.29858	32.69	ADR	37	-31.9	2.37	40.16	54	-13.84	74	-33.84	-	-	270	154	H
2	* ** 36.46141	49.19	PK-U	37.9	-33.2	0	53.89	-	-	74	-20.11	-	-	167	330	H
	* ** 36.45925	36.87	ADR	37.9	-33.1	2.37	44.04	54	-9.96	74	-29.96	-	-	167	330	H
3	* ** 39.16529	47.78	PK-U	38.5	-31	0	55.28	-	-	74	-18.72	-	-	92	318	H
	* ** 39.16547	35.42	ADR	38.5	-31	2.37	45.29	54	-8.71	74	-28.71	-	-	92	318	H
4	* ** 31.26215	44.98	PK-U	37	-31.8	0	50.18	-	-	74	-23.82	-	-	94	200	V
	* ** 31.26215	32.43	ADR	37	-31.8	2.37	40	54	-14	74	-34	-	-	94	200	V
5	* ** 36.44118	49.41	PK-U	37.9	-33.7	0	53.61	-	-	74	-20.39	-	-	176	334	V
	* ** 36.44053	36.93	ADR	37.9	-33.8	2.37	43.4	54	-10.6	74	-30.6	-	-	176	334	V
6	* ** 39.13509	48.17	PK-U	38.6	-31	0	55.77	-	-	74	-18.23	-	-	209	210	V
	* ** 39.13497	35.57	ADR	38.6	-31	2.37	45.54	54	-8.46	74	-28.46	-	-	209	210	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - Maximum Peak  
 ADR - RMS average



## 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.

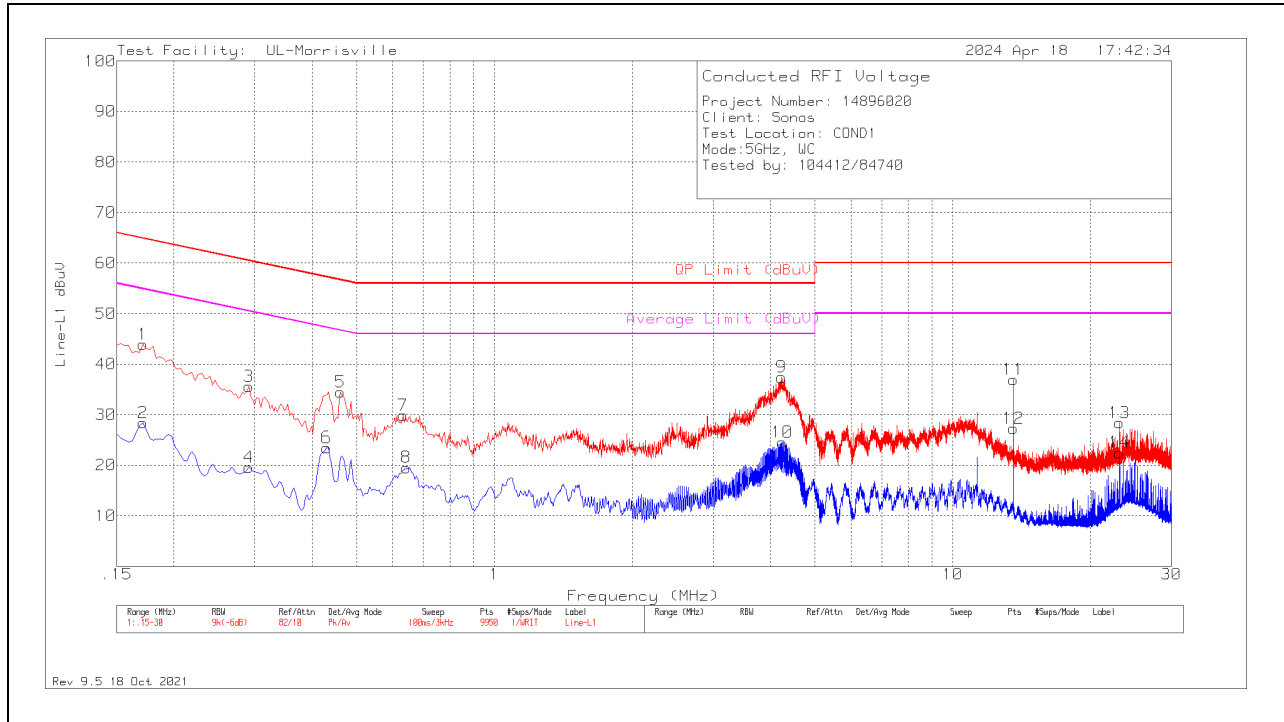
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both lines.

### RESULTS

# 11.1. AC POWER LINE NORM

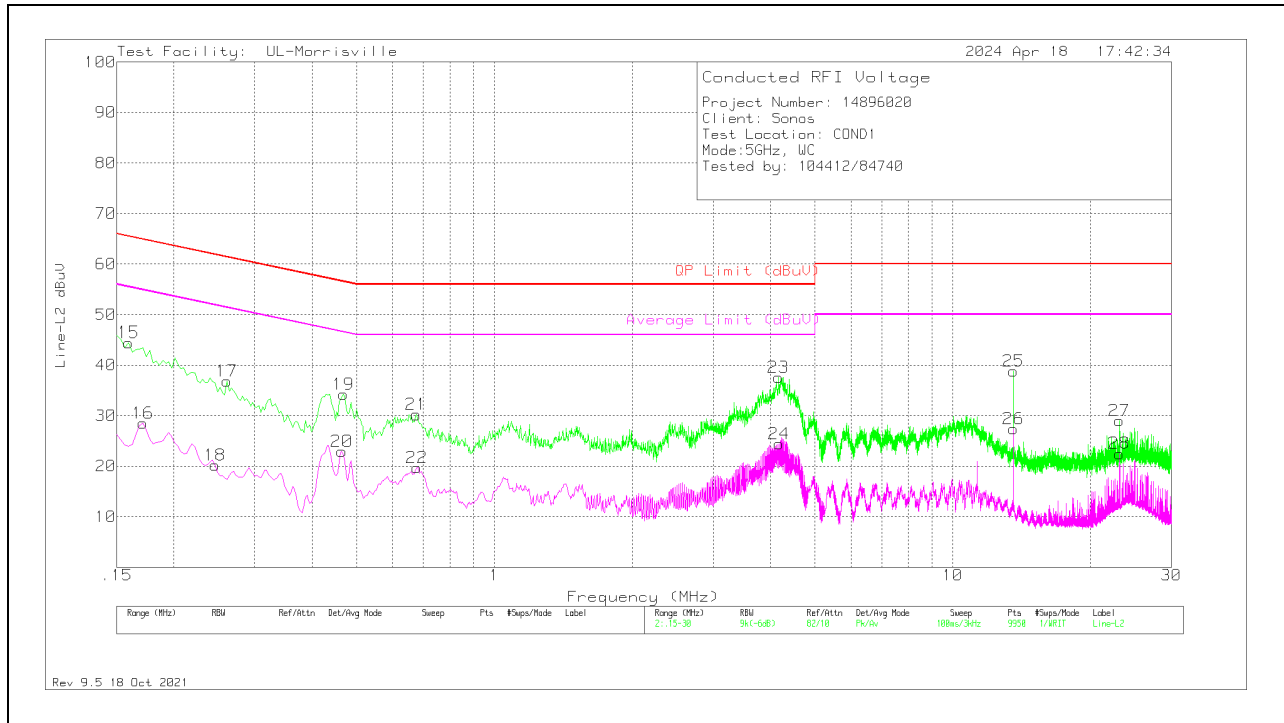
## LINE 1 RESULTS



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	.171	33.83	Pk	.3	9.8	43.93	64.91	-20.98	-	-
2	.171	18.31	Av	.3	9.8	28.41	-	-	54.91	-26.5
3	.291	25.61	Pk	.2	9.8	35.61	60.5	-24.89	-	-
4	.291	9.54	Av	.2	9.8	19.54	-	-	50.5	-30.96
6	.4305	13.59	Av	.1	9.8	23.49	-	-	47.24	-23.75
5	.462	24.58	Pk	.1	9.8	34.48	56.66	-22.18	-	-
7	.633	20	Pk	.1	9.8	29.9	56	-26.1	-	-
8	.642	9.62	Av	.1	9.8	19.52	-	-	46	-26.48
9	4.233	27.4	Pk	.1	9.9	37.4	56	-18.6	-	-
10	4.248	14.56	Av	.1	9.9	24.56	-	-	46	-21.44
12	13.5615	17.13	Av	.2	10	27.33	-	-	50	-22.67
11	13.563	26.77	Pk	.2	10	36.97	60	-23.03	-	-
13	23.13	17.93	Pk	.3	10.2	28.43	60	-31.57	-	-
14	23.13	12	Av	.3	10.2	22.5	-	-	50	-27.5

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)
15	.159	34.37	Pk	.3	9.8	44.47	65.52	-21.05	-	-
16	.171	18.37	Av	.3	9.8	28.47	-	-	54.91	-26.44
18	.246	10.15	Av	.2	9.8	20.15	-	-	51.89	-31.74
17	.261	26.87	Pk	.2	9.8	36.87	61.4	-24.53	-	-
20	.465	13	Av	.1	9.8	22.9	-	-	46.6	-23.7
19	.468	24.3	Pk	.1	9.8	34.2	56.55	-22.35	-	-
21	.675	20.3	Pk	.1	9.8	30.2	56	-25.8	-	-
22	.678	9.78	Av	.1	9.8	19.68	-	-	46	-26.32
23	4.167	27.58	Pk	.1	9.9	37.58	56	-18.42	-	-
24	4.179	14.43	Av	.1	9.9	24.43	-	-	46	-21.57
25	13.563	28.64	Pk	.2	10	38.84	60	-21.16	-	-
26	13.563	17.2	Av	.2	10	27.4	-	-	50	-22.6
27	23.13	18.47	Pk	.3	10.2	28.97	60	-31.03	-	-

Pk - Peak detector  
 Av - Average detection

## 12. SETUP PHOTOS

Please refer to R14896020-EP1 for setup photos

**END OF TEST REPORT**