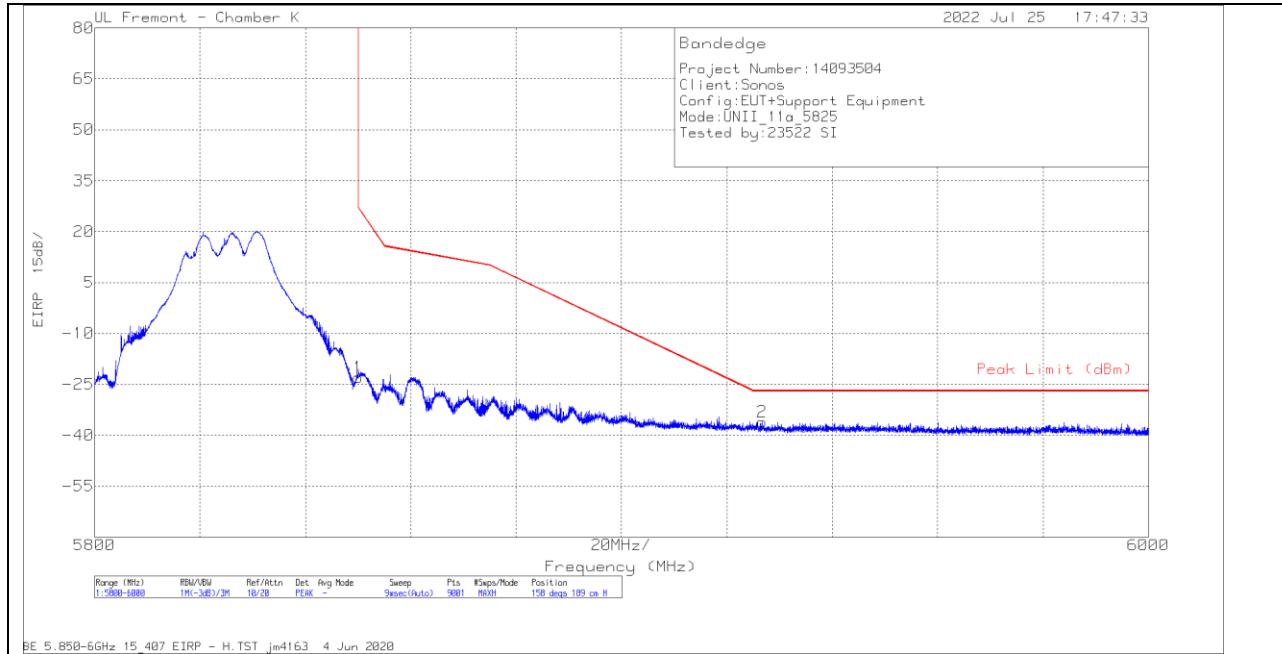


BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

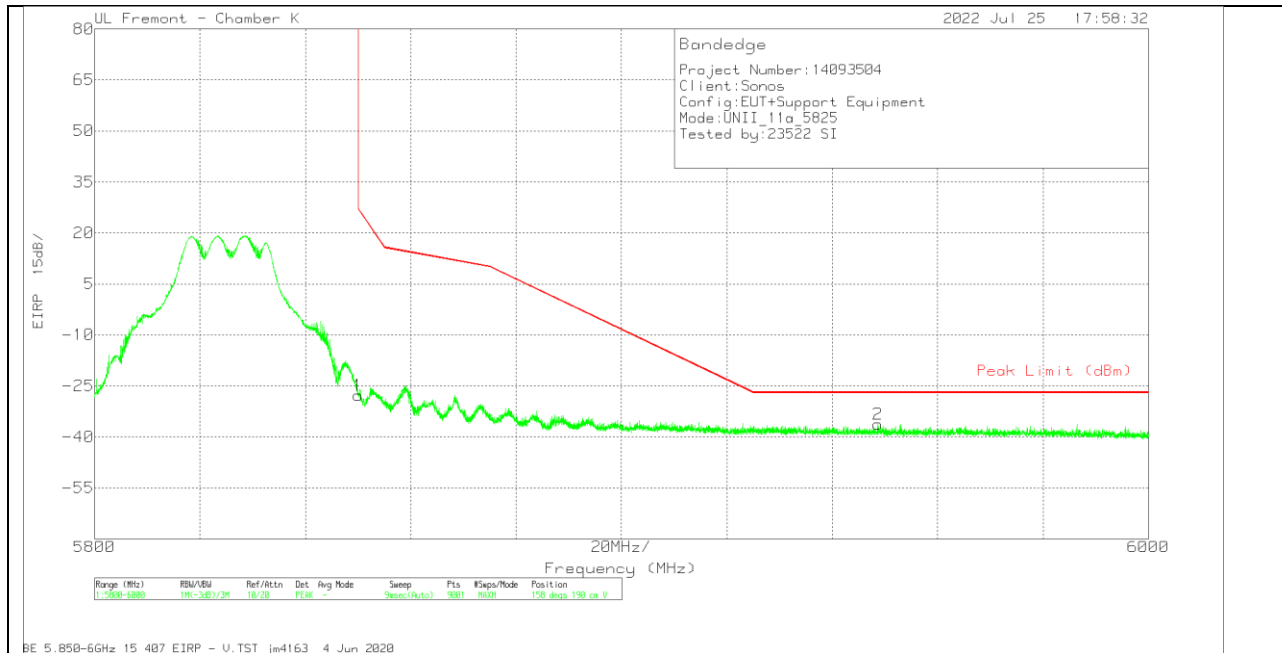


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)
1	5850	-40	Pk	35.1	-29.9	11.8	0	-23	27	-50	158	189
2	5926.665	-53.4	Pk	35.3	-29.8	11.8	0	-36.1	-27	-9.1	158	189

Pk - Peak detector

VERTICAL RESULT



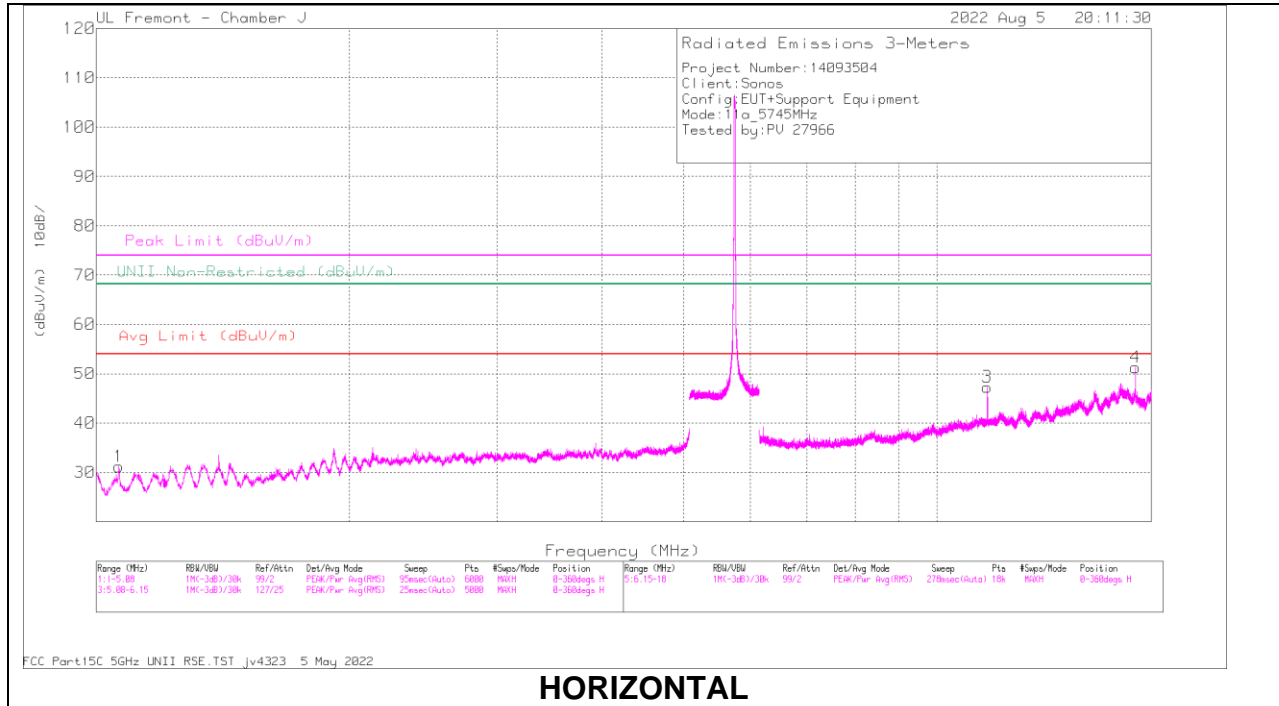
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)
1	5850	-44.85	Pk	35.1	-29.9	11.8	0	-27.85	27	-54.85	158	190
2	5948.643	-53.49	PK	35.3	-29.8	11.8	0	-36.19	-27	-9.19	158	190

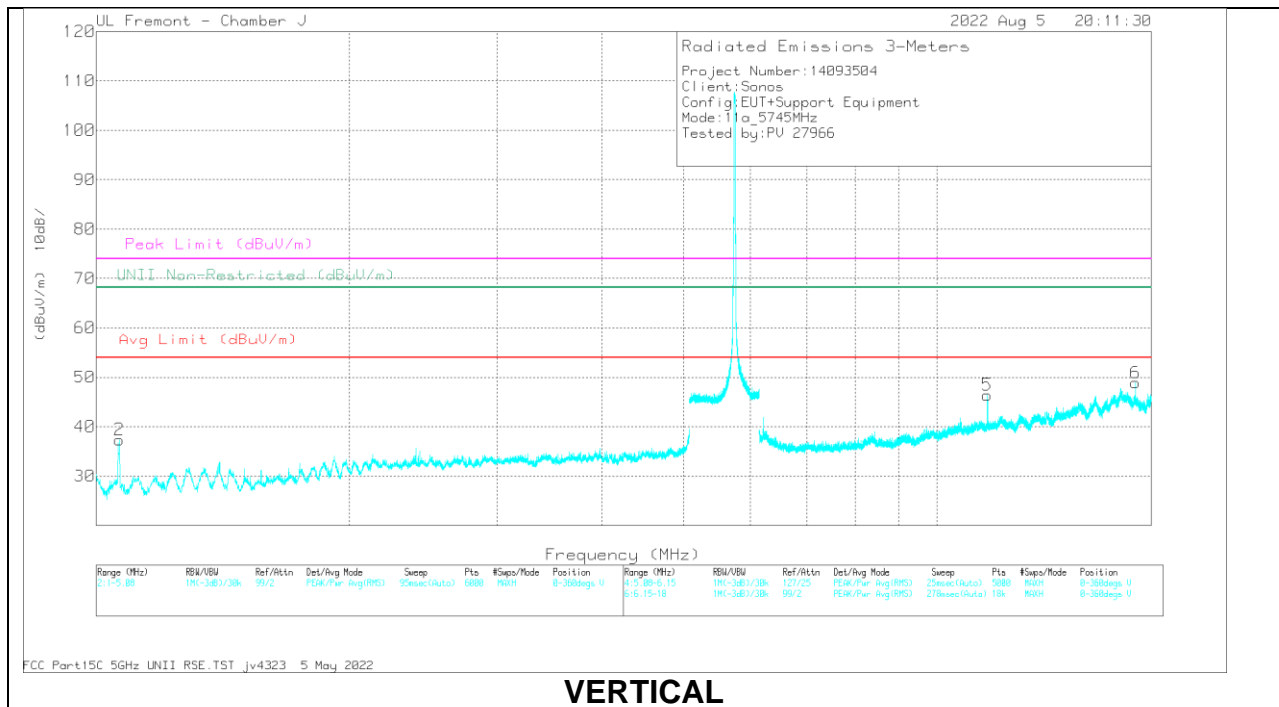
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



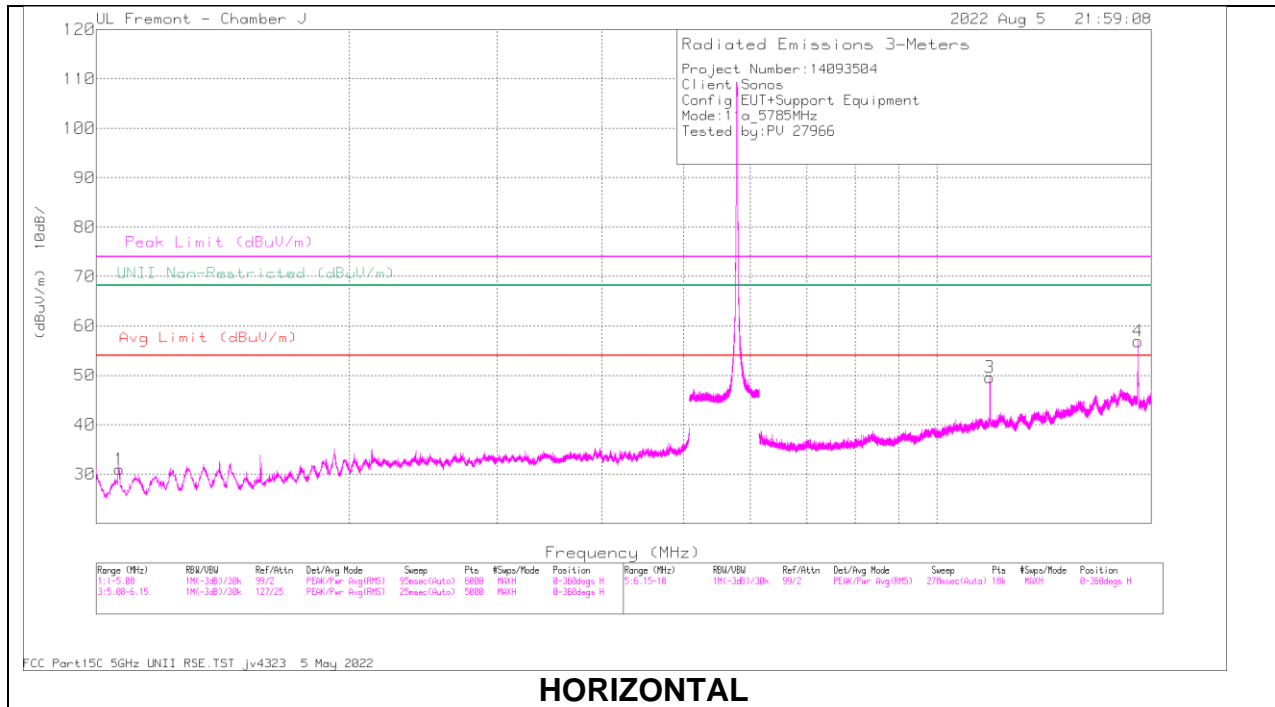
VERTICAL

RADIATED EMISSIONS

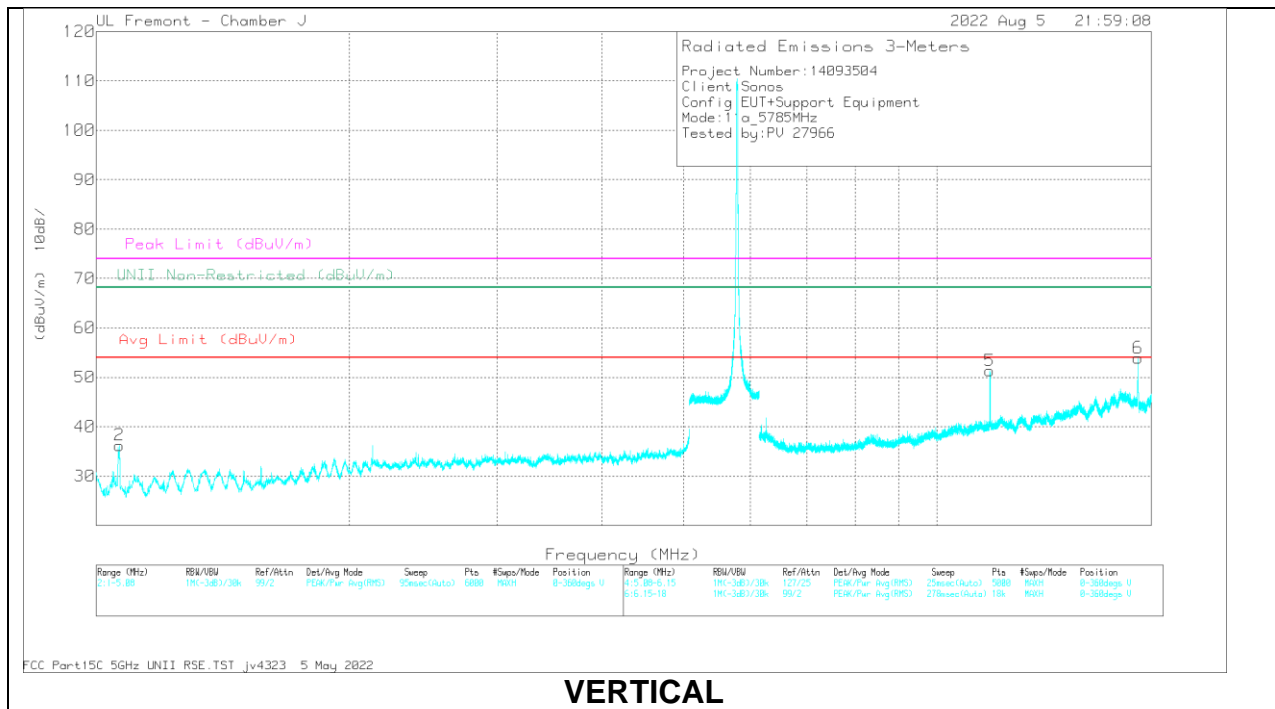
Marker	Frequency (MHz)	Meter Reading (dBµV)	Det	AF 206806 (dBm)	Amp/Cbl/Fitr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBµV/m)	Avg Limit (dBµV/m)	Margin (dB)	Peak Limit (dBµV/m)	PK Margin (dB)	UNII Non-Restricted (dBµV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1062.372	67.72	PKU	26.8	-49.3	0	45.22	-	-	74	-28.78	-	-	293	217	H
	* 1063.751	52.17	ADR	26.8	-49.2	1.05	30.82	54	-23.18	-	-	-	-	293	217	H
2	* 1063.003	66.14	PKU	26.9	-49.1	0	45.94	-	-	74	-29.06	-	-	277	226	V
	* 1063.549	52.77	ADR	26.9	-49.2	1.05	31.42	54	-22.58	-	-	-	-	277	226	V
3	* 11489.098	62.35	PKU	38.3	-44.1	0	56.55	-	-	74	-17.45	-	-	195	111	H
	* 11489.302	49.3	ADR	38.3	-44.1	1.05	44.55	54	-9.45	-	-	-	-	195	111	H
4	17236.865	63.36	PKU	41.2	-41.9	0	62.66	-	-	-	-	68.2	-5.54	220	101	H
5	* 11489.028	63.08	PKU	38.3	-44.1	0	57.28	-	-	74	-16.72	-	-	95	110	V
	* 11488.281	49.24	ADR	38.3	-44.1	1.05	44.49	54	-9.51	-	-	-	-	56	110	V
6	17237.228	62.11	PKU	41.2	-41.9	0	61.41	-	-	-	-	68.2	-6.79	206	241	V

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

MID CHANNEL RESULTS



HORIZONTAL



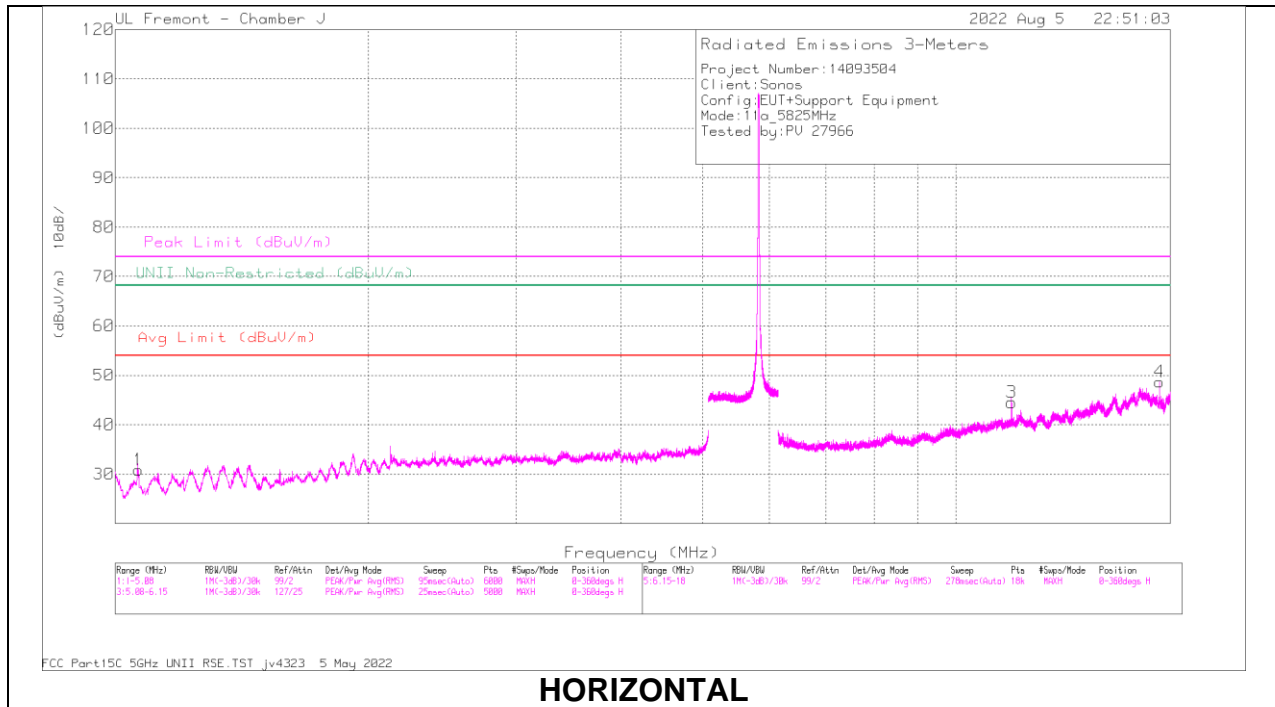
VERTICAL

RADIATED EMISSIONS

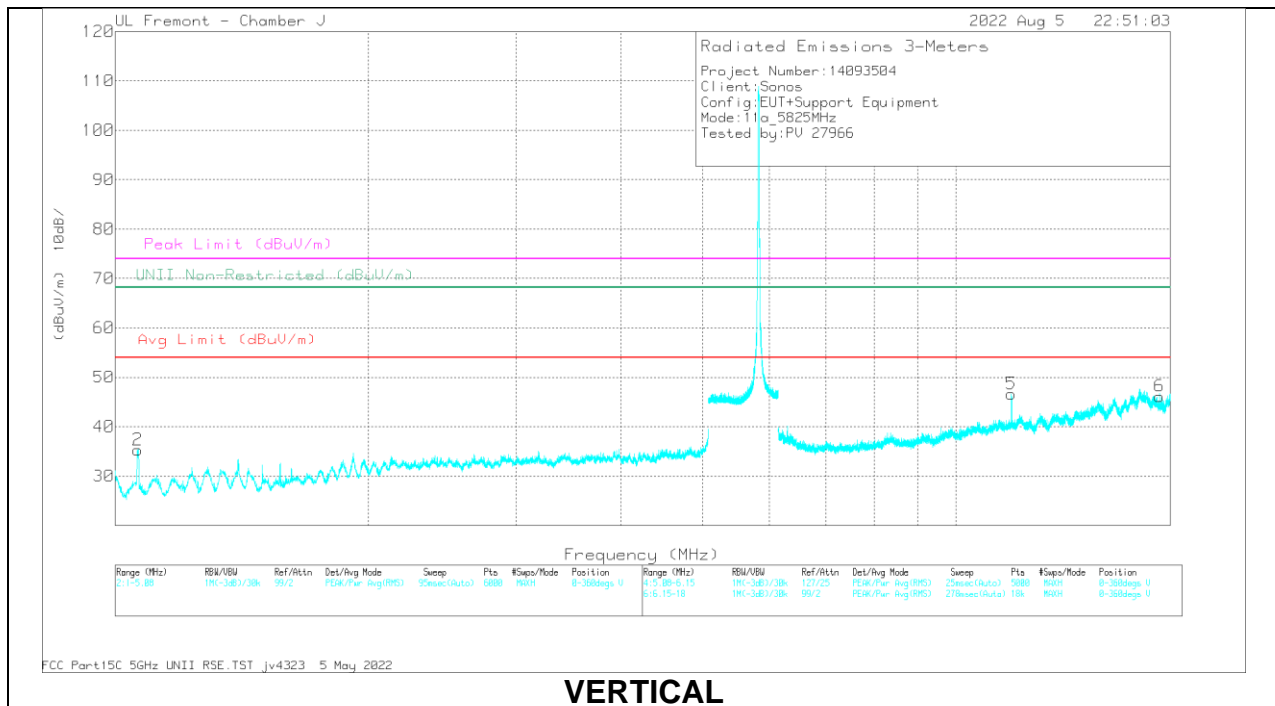
Marker	Frequency (MHz)	Meter Reading (dBµV)	Det	AF 206806 (dBm)	Amp/Cbl/Fitr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBµV/m)	Avg Limit (dBµV/m)	Margin (dB)	Peak Limit (dBµV/m)	PK Margin (dB)	UNII Non-Restricted (dBµV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1065.507	68.77	PKU	26.9	-49.1	0	46.57	-	-	74	-27.43	-	-	79	215	H
	* 1063.513	52.07	ADR	26.8	-49.2	1.05	30.72	54	-23.28	-	-	-	-	79	215	H
2	* 1066.211	72.03	PKU	26.9	-49.1	0	49.83	-	-	74	-24.17	-	-	177	112	V
	* 1064.756	66.91	ADR	26.9	-49.1	1.05	35.76	54	-18.24	-	-	-	-	177	112	V
3	* 11569.392	66.76	PKU	38.4	-43.6	0	61.56	-	-	74	-12.44	-	-	197	110	H
	* 11569.548	63.6	ADR	38.4	-43.5	1.05	49.55	54	-4.45	-	-	-	-	197	110	H
4	17354.661	67.91	PKU	41.4	-41.8	0	66.91	-	-	-	-	68.2	-1.29	219	101	H
5	* 11570.205	69.28	PKU	38.4	-43.5	0	64.78	-	-	74	-9.82	-	-	270	183	V
	* 11570.149	55.36	ADR	38.4	-43.5	1.05	51.31	54	-2.69	-	-	-	-	270	183	V
6	17356.413	66.29	PKU	41.3	-41.8	0	65.79	-	-	-	-	68.2	-2.41	214	222	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBµV)	Det	AF 206806 (dBm)	Amp/Cbl/Fitr/Pard (dB)	DC Corr (dB)	Corrected Reading (dBµV/m)	Avg Limit (dBµV/m)	Margin (dB)	Peak Limit (dBµV/m)	PK Margin (dB)	UNII Non-Restricted (dBµV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1064.157	73.36	PK-U	26.8	-49.2	0	50.96	-	-	74	-23.04	-	-	81	200	H
	* 1065.571	51.7	ADR	26.9	-49.1	1.05	30.55	54	-23.45	-	-	-	-	81	200	H
2	* 1062.391	73.61	PK-U	26.8	-49.3	0	51.11	-	-	74	-22.89	-	-	181	102	V
	* 1062.523	56.81	ADR	26.8	-49.3	1.05	35.36	54	-18.64	-	-	-	-	181	102	V
3	* 11653.907	63.6	PK-U	38.5	-43.8	0	58.3	-	-	74	-15.7	-	-	8	178	H
	* 11654.207	49.2	ADR	38.5	-43.7	1.05	45.05	54	-8.95	-	-	-	-	8	178	H
4	17477.001	62.94	PK-U	41.4	-41.6	0	62.74	-	-	-	-	68.2	-5.46	218	139	H
5	* 11649.103	64.4	PK-U	38.5	-43.7	0	59.2	-	-	74	-14.8	-	-	270	173	V
	* 11648.887	51.4	ADR	38.5	-43.7	1.05	47.25	54	-6.75	-	-	-	-	270	173	V
6	17477.398	60.37	PK-U	41.4	-41.6	0	60.17	-	-	-	-	68.2	-8.03	272	116	V

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

PK-U - U-NII: Maximum Peak

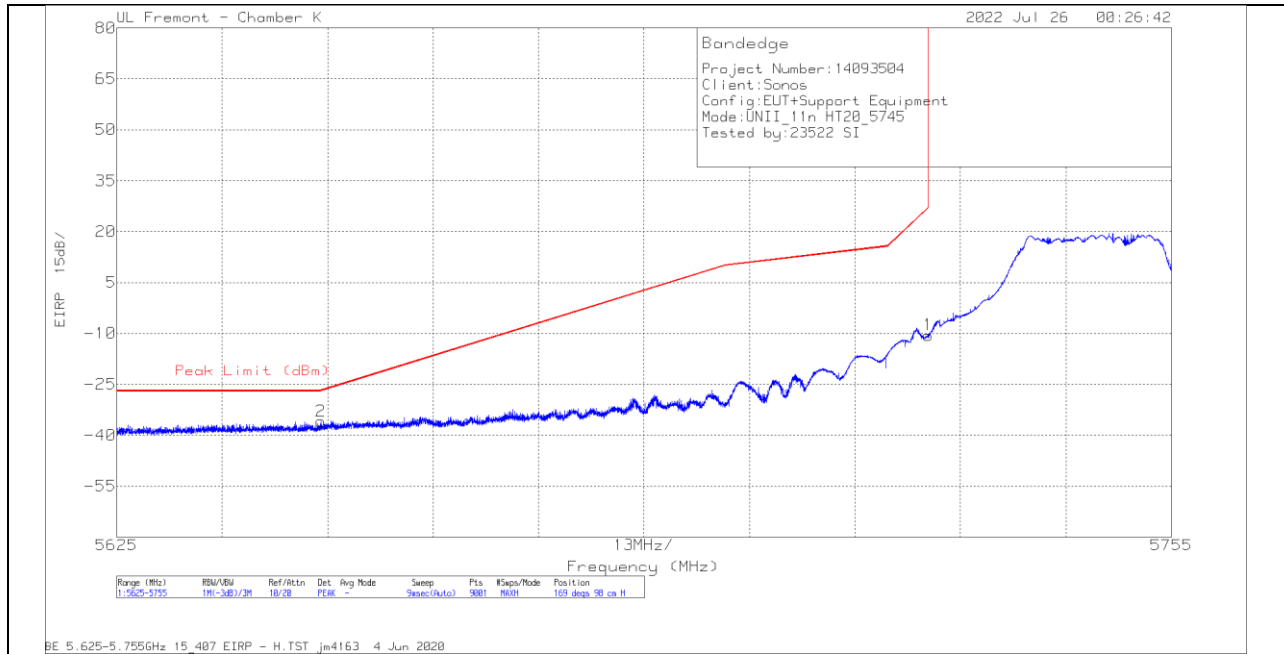
ADR - U-NII AD primary method, RMS average

10.1.14. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 4 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

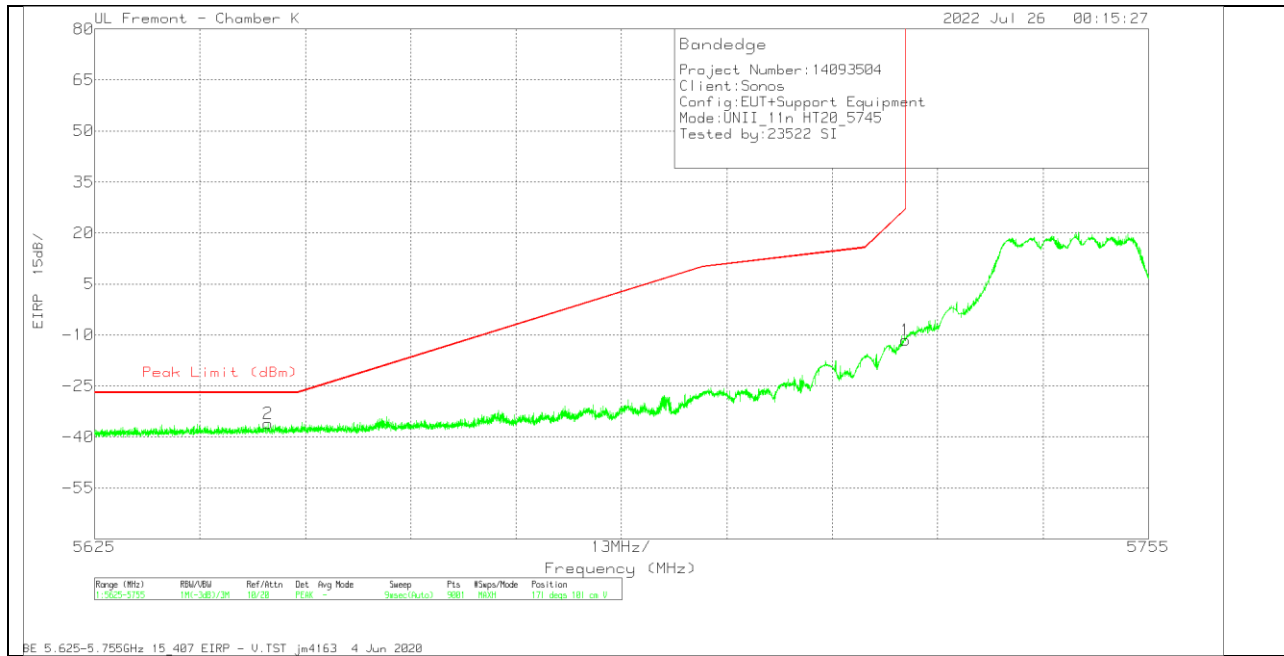


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)
1	5725	-27.1	Pk	34.9	-30.1	11.8	0	-10.5	27	-37.5	169	98
2	5650.161	-52.3	Pk	34.8	-30.2	11.8	0	-35.9	-26.88	-9.02	169	98

Pk - Peak detector

VERTICAL RESULT



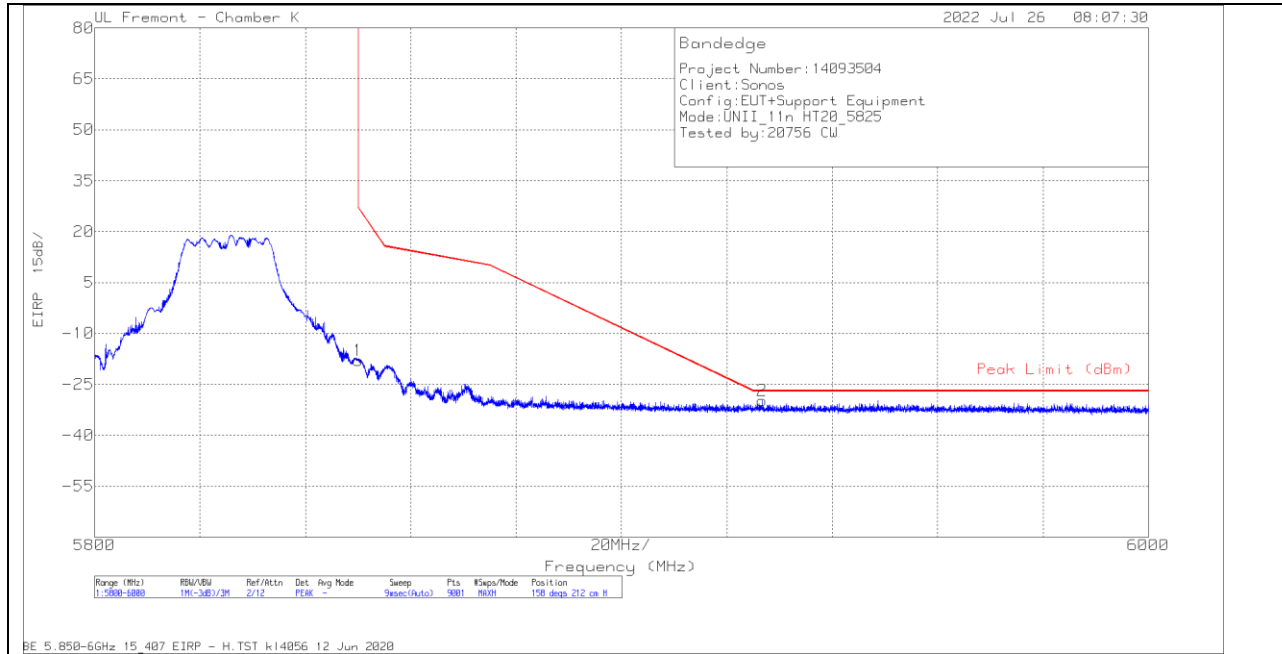
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)
1	5725	-28.09	Pk	34.9	-30.1	11.8	0	-11.49	27	-38.49	171	101
2	5646.406	-52.63	Pk	34.9	-30.2	11.8	0	-36.13	-27	-9.13	171	101

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

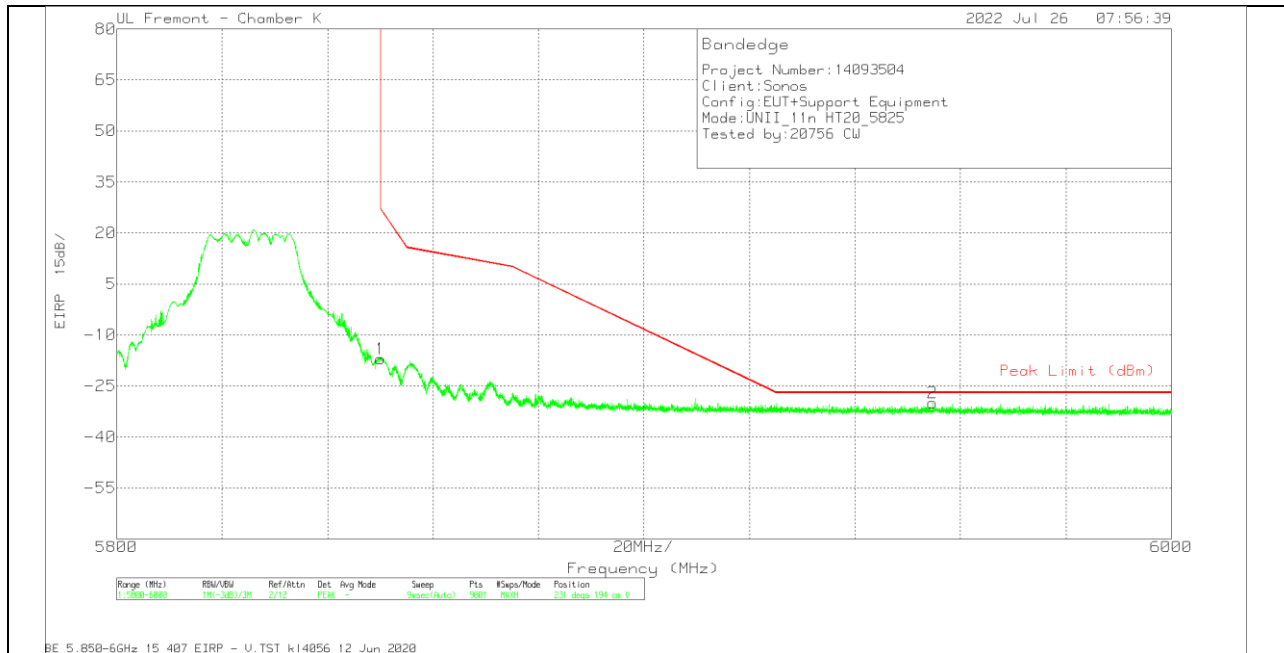


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-58.19	Pk	35.1	-6.6	11.8	-17.89	27	-44.89	158	212	H
2	5926.71	-70.41	Pk	35.3	-6.4	11.8	-29.71	-27	-2.71	158	212	H

Pk - Peak detector

VERTICAL RESULT



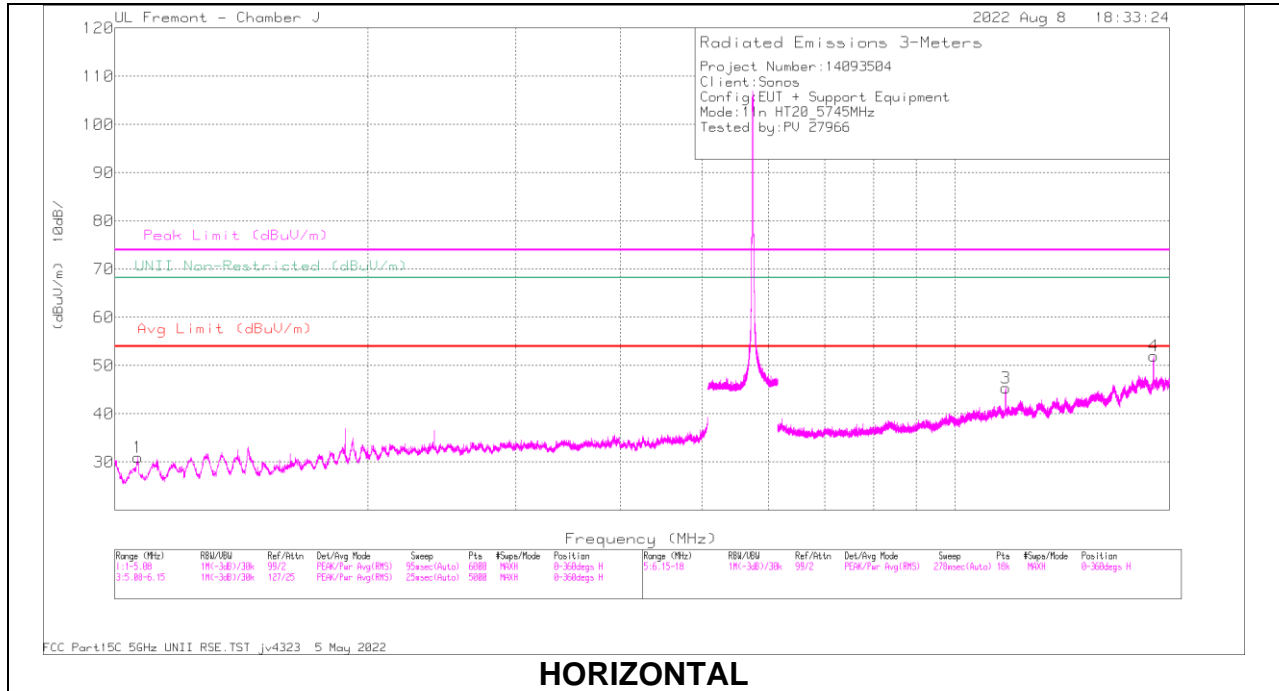
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/PA d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-57.35	Pk	35.1	-6.6	11.8	-17.05	27	-44.05	231	194	V
2	5954.732	-70.95	Pk	35.4	-6.2	11.8	-29.95	-27	-2.95	231	194	V

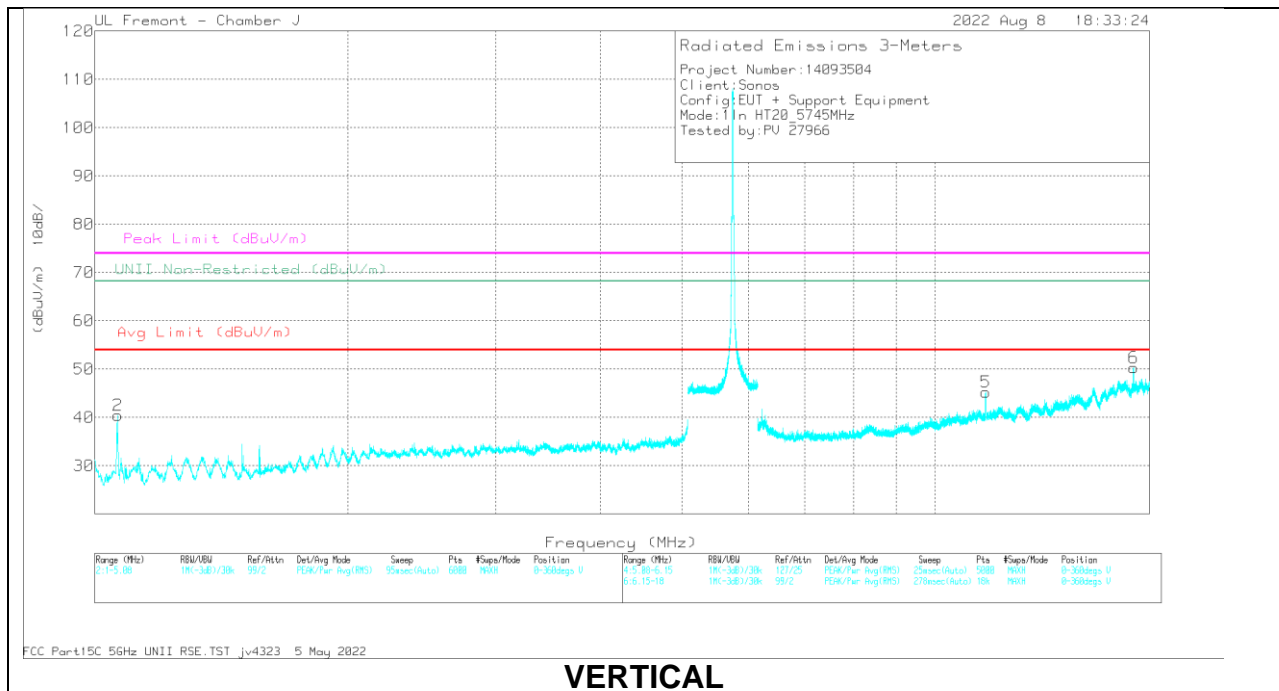
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

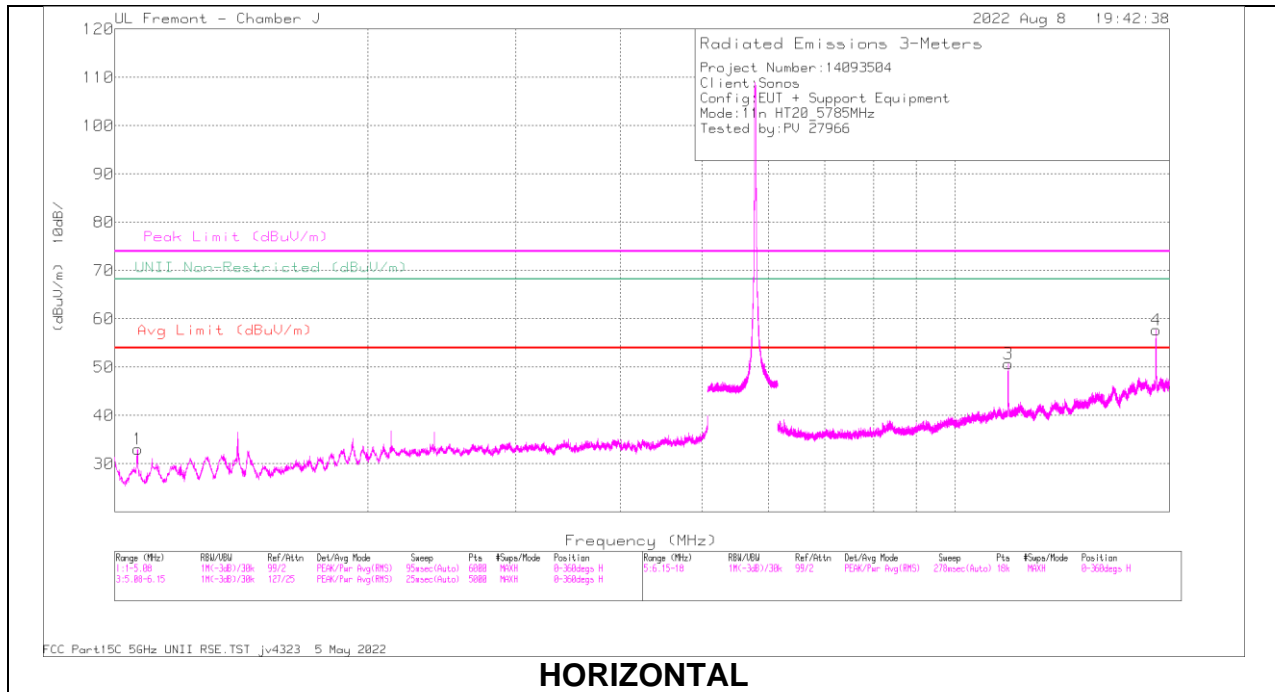
Marker	Frequency (MHz)	Meter Reading (dBµV)	Det	AF 206806 (dBm)	Amp/Cbl/Ftr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBµV/m)	Avg Limit (dBµV/m)	Margin (dB)	Peak Limit (dBµV/m)	PK Margin (dB)	UNII Non-Restricted (dBµV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1065.574	69.04	PK-U	26.9	-49.1	0	46.84	-	-	74	-27.16	-	-	353	385	H
	* 1063.776	51.89	ADR	26.8	-49.2	1.11	30.6	54	-23.4	-	-	-	-	353	385	H
2	* 1063.637	71.19	PK-U	26.8	-49.2	0	48.79	-	-	74	-29.21	-	-	59	380	V
	* 1063.385	51.58	ADR	26.8	-49.2	1.11	30.29	54	-23.71	-	-	-	-	59	390	V
3	* 11493.059	63.66	PK-U	38.3	-44.1	0	57.86	-	-	74	-16.14	-	-	4	177	H
	* 11492.688	49.51	ADR	38.3	-44.1	1.11	44.82	54	-9.18	-	-	-	-	4	177	H
4	17231.488	64.41	PK-U	41.2	-41.9	0	63.71	-	-	-	-	68.2	-4.49	211	102	H
5	* 11480.519	64.18	PK-U	38.3	-44.1	0	58.38	-	-	74	-15.62	-	-	263	159	V
	* 11489.943	49.99	ADR	38.3	-44.1	1.11	45.3	54	-8.7	-	-	-	-	263	189	V
6	17238.681	63.94	PK-U	41.1	-42	0	63.04	-	-	-	-	68.2	-5.16	32	116	V

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

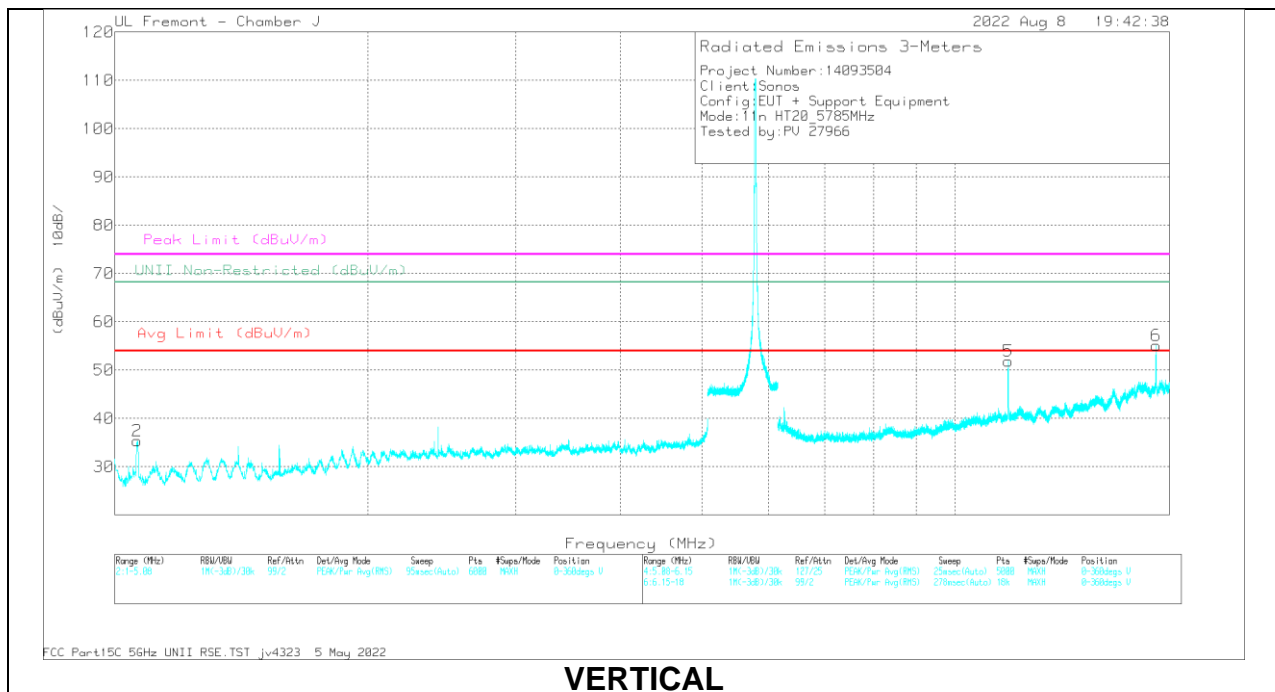
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

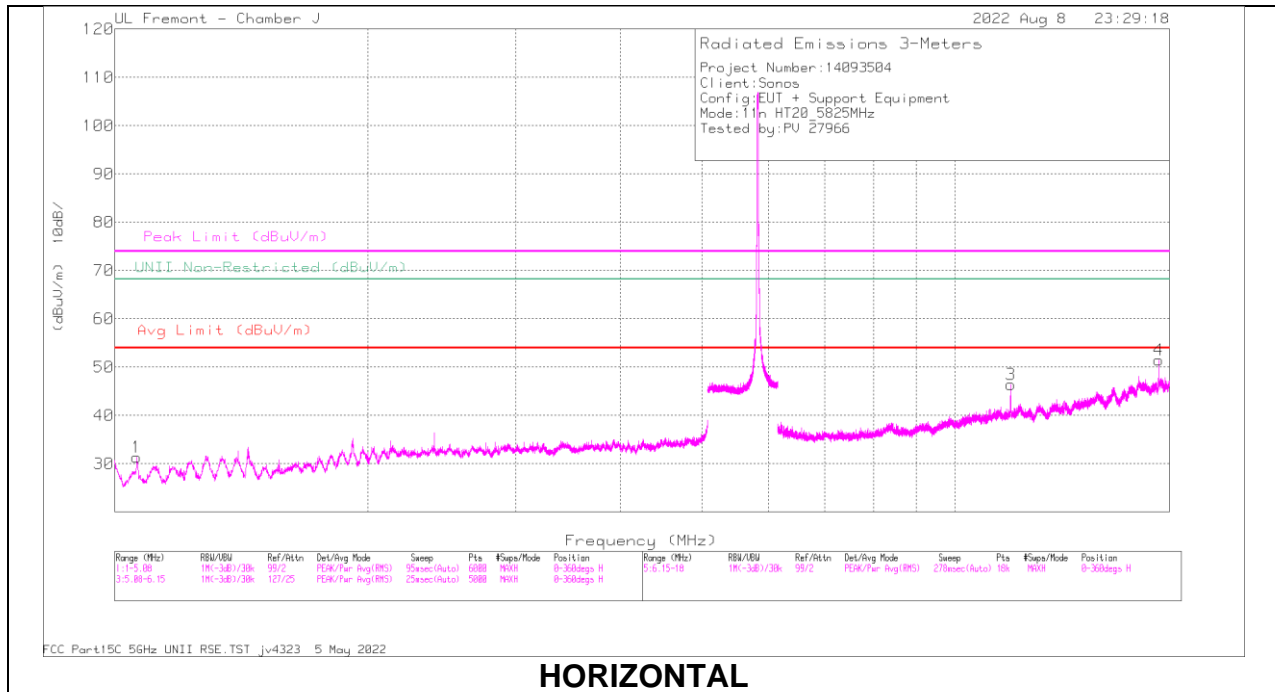
Marker	Frequency (MHz)	Meter Reading (dBµV)	Det	AF 206806 (dBm)	Amp/Cbl/Ftr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBµV/m)	Avg Limit (dBµV/m)	Margin (dB)	Peak Limit (dBµV/m)	PK Margin (dB)	UNII Non-Restricted (dBµV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1063.321	70.28	PK-U	26.8	-49.2	0	47.88	-	-	74	-26.12	-	-	298	260	H
	* 1064	54.79	ADR	26.8	-49.2	1.11	33.5	54	-20.5	-	-	-	-	298	260	H
2	* 1063.998	64.83	PK-U	26.8	-49.2	0	42.23	-	-	74	-31.77	-	-	175	390	V
	* 1063.724	50.3	ADR	26.8	-49.2	1.11	29.01	54	-24.99	-	-	-	-	175	390	V
3	* 11569.597	65.56	PK-U	38.4	-43.5	0	60.46	-	-	74	-13.54	-	-	6	166	H
	* 11569.141	50.66	ADR	38.4	-43.6	1.11	46.57	54	-7.43	-	-	-	-	6	166	H
4	17351.516	67.63	PK-U	41.3	-41.9	0	67.03	-	-	-	-	68.2	-1.17	213	101	H
5	* 11570.307	66.86	PK-U	38.4	-43.5	0	61.75	-	-	74	-12.25	-	-	263	159	V
	* 11569.604	52.67	ADR	38.4	-43.5	1.11	48.68	54	-5.32	-	-	-	-	263	169	V
6	17357.482	66.07	PK-U	41.4	-41.7	0	65.77	-	-	-	-	68.2	-2.43	72	294	V

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

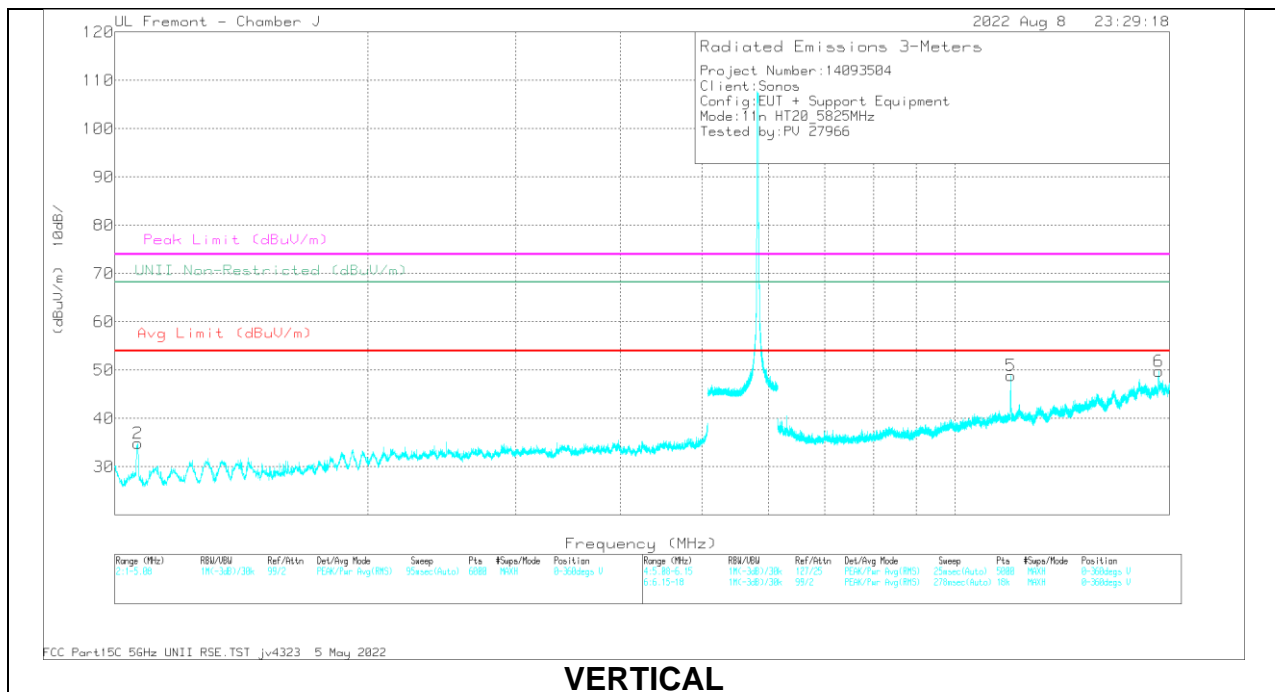
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206806 (dBm)	Amp/Cbl/Ftr/Pa d (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	* 1061.822	67.57	PKU	26.8	-49.3	0	45.07	-	-	74	-26.93	-	-	353	378	H
	* 1062.665	52.96	ADR	26.8	-49.3	1.11	31.57	54	-22.43	-	-	-	-	353	378	H
2	* 1063.369	72.31	PKU	26.8	-49.2	0	49.91	-	-	74	-24.09	-	-	172	112	V
	* 1063.629	57.09	ADR	26.8	-49.2	1.11	35.8	54	-18.2	-	-	-	-	172	112	V
3	* 11646.991	64.87	PKU	38.5	-43.7	0	59.67	-	-	74	-14.33	-	-	0	171	H
	* 11647.171	50.29	ADR	38.5	-43.7	1.11	46.2	54	-7.8	-	-	-	-	0	171	H
4	17460.211	65.2	PKU	41.4	-41.5	0	65.1	-	-	-	-	68.2	-3.1	203	190	H
5	* 11651.357	65.51	PKU	38.5	-43.7	0	60.31	-	-	74	-13.69	-	-	35	102	V
	* 11651.357	50.5	ADR	38.5	-43.7	1.11	46.41	54	-7.59	-	-	-	-	35	102	V
6	17475.039	63.97	PKU	41.4	-41.6	0	63.77	-	-	-	-	68.2	-4.43	265	114	V

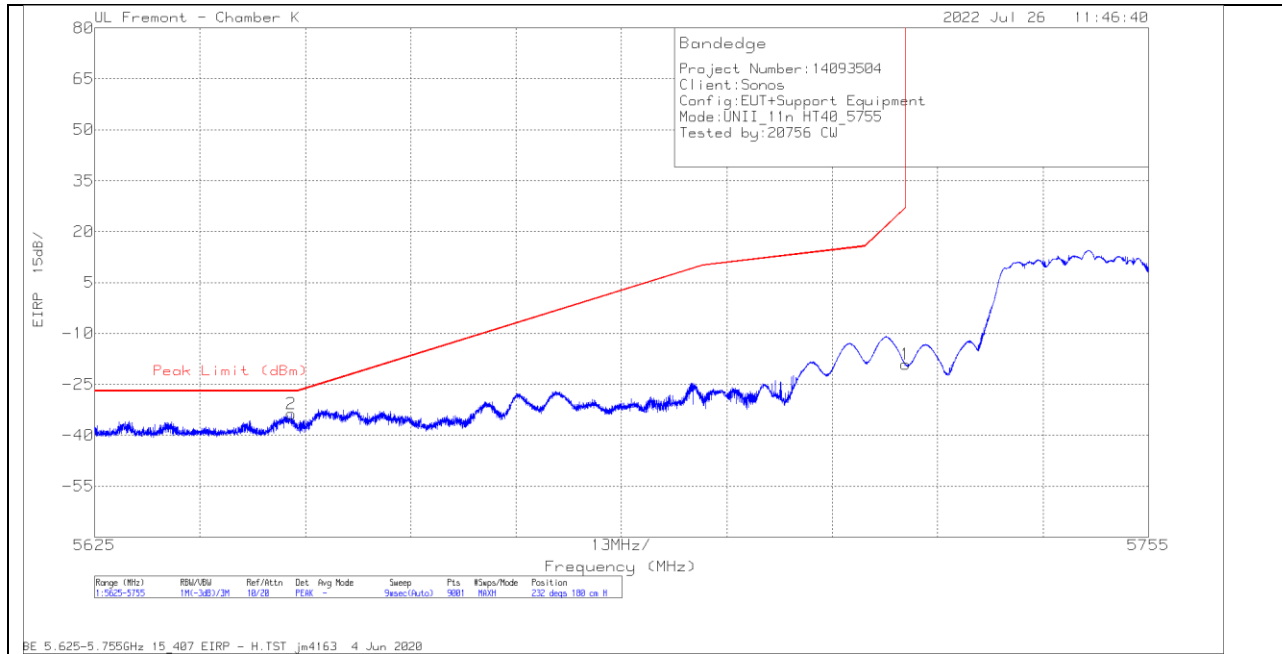
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

10.1.15. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 4 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

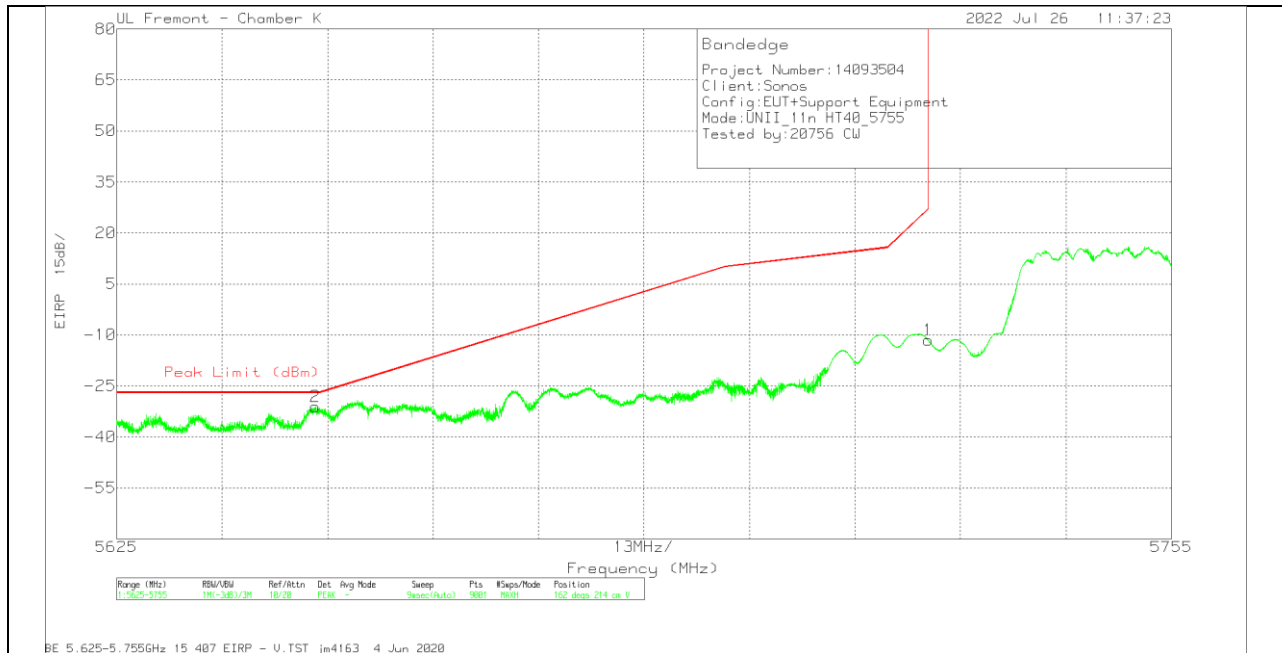


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-35.72	Pk	34.9	-30.1	11.8	-19.12	27	-46.12	232	180	H
2	5649.237	-50.06	Pk	34.8	-30.2	11.8	-33.66	-27	-6.66	232	180	H

Pk - Peak detector

VERTICAL RESULT



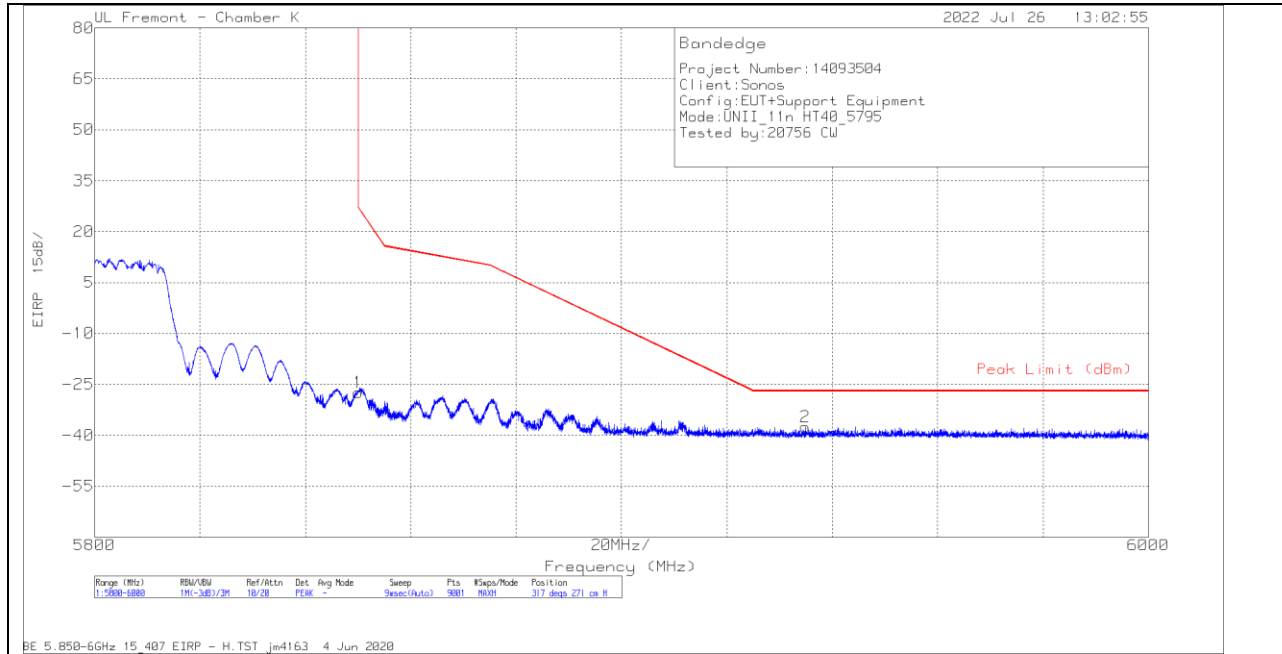
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-28.13	Pk	34.9	-30.1	11.8	-11.53	27	-38.53	162	214	V
2	5649.511	-47.5	Pk	34.8	-30.2	11.8	-31.1	-27	-4.1	162	214	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

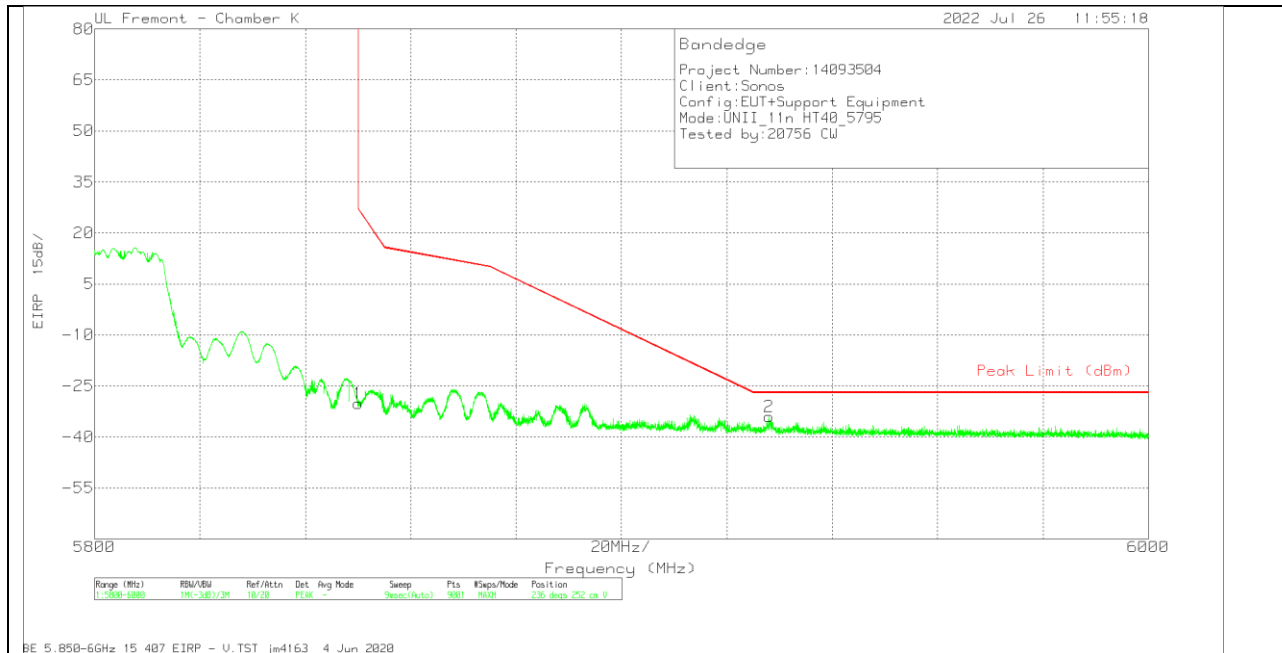


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-44.4	Pk	35.1	-29.9	11.8	-27.4	27	-54.4	317	271	H
2	5934.888	-54.67	Pk	35.3	-29.9	11.8	-37.47	-27	-10.47	317	271	H

Pk - Peak detector

VERTICAL RESULT



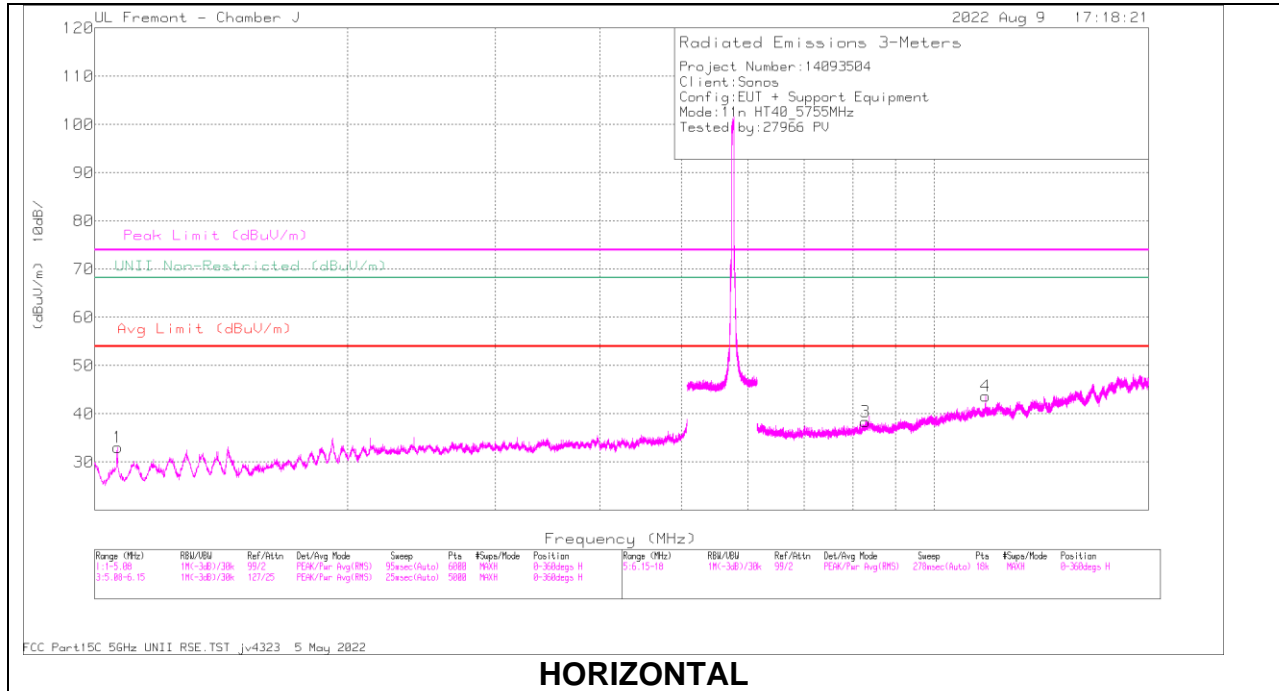
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-47.17	Pk	35.1	-29.9	11.8	-30.17	27	-57.17	236	252	V
2	5927.932	-51.23	Pk	35.3	-29.9	11.8	-34.03	-27	-7.03	236	252	V

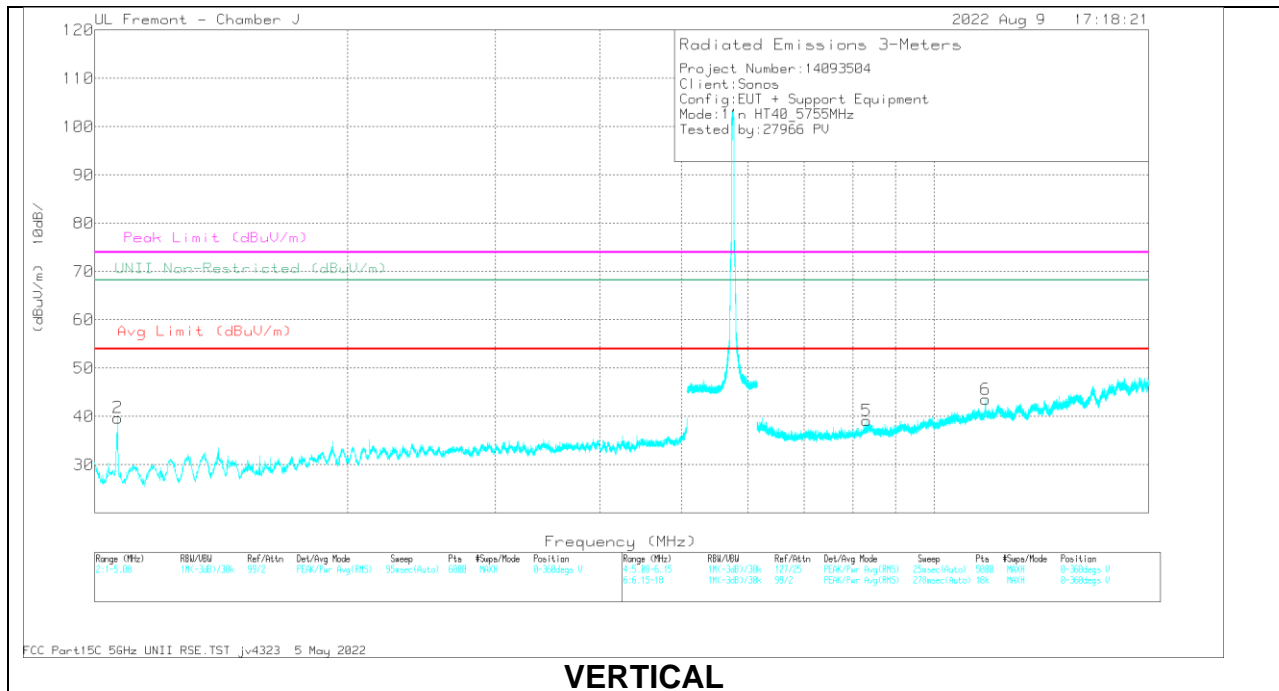
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



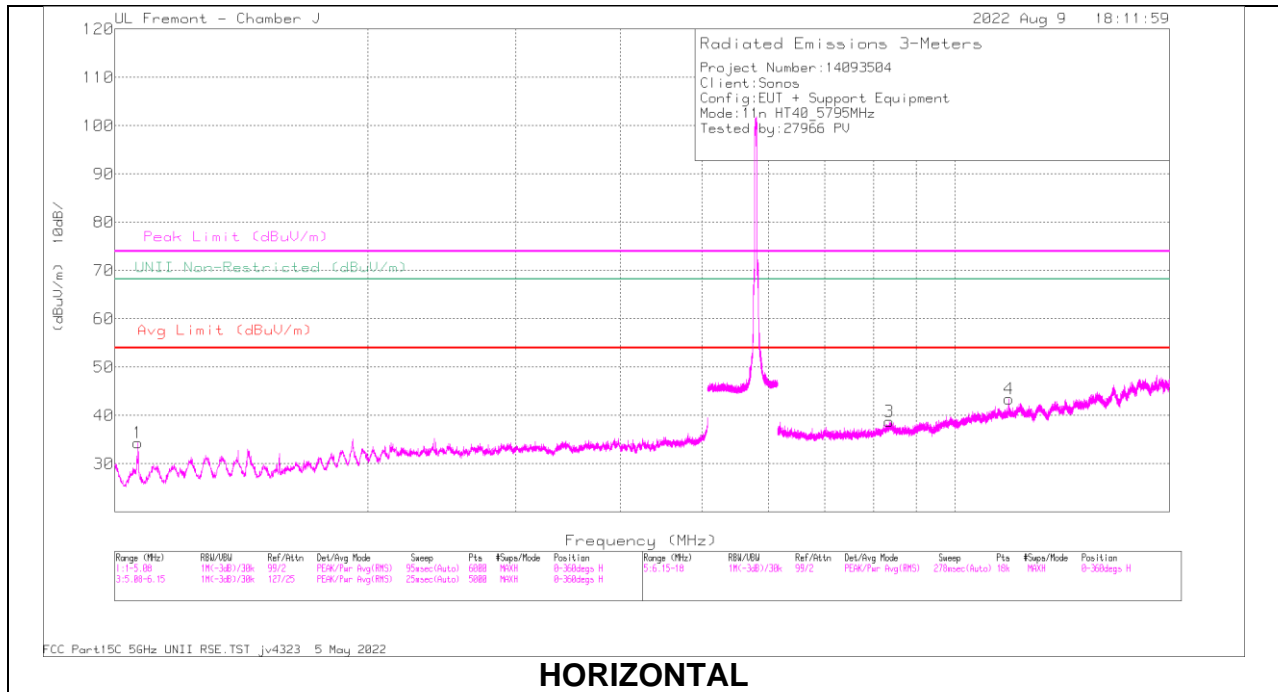
VERTICAL

RADIATED EMISSIONS

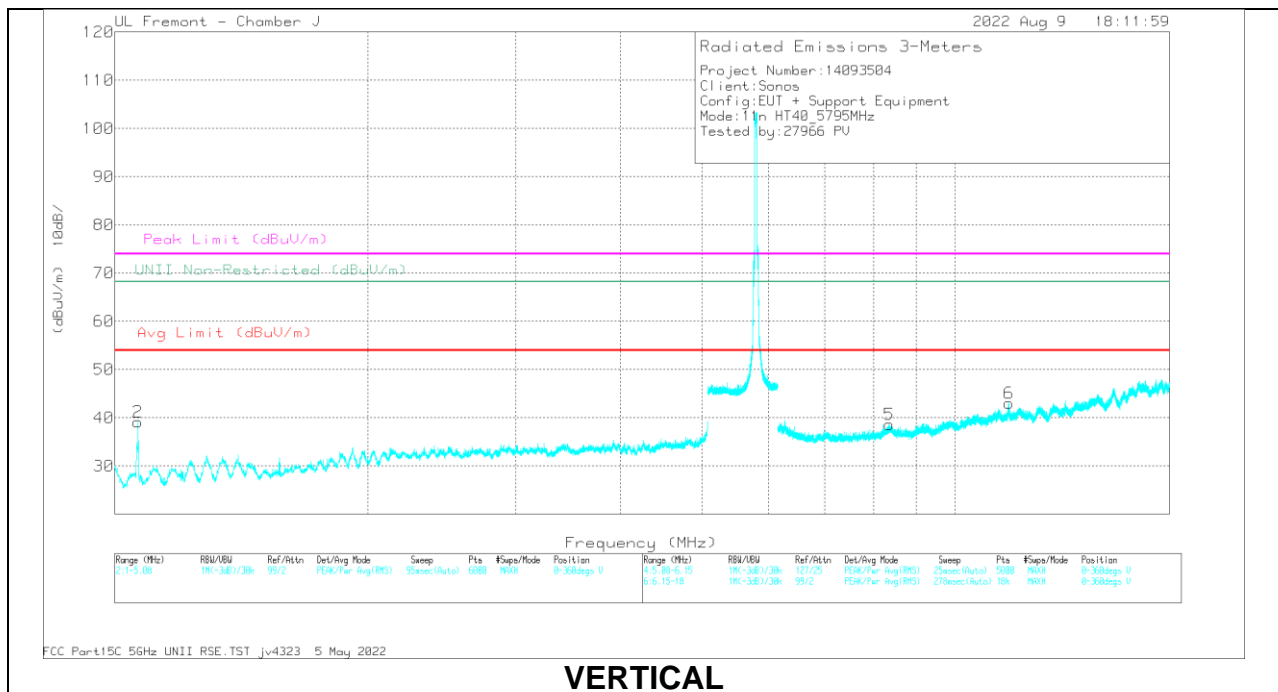
Marker	Frequency (MHz)	Meter Reading (dBµV)	Det	AF 206806 (dBm)	Amp/Cbl/Fitr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBµV/m)	Avg Limit (dBµV/m)	Margin (dB)	Peak Limit (dBµV/m)	PK Margin (dB)	UNII Non-Restricted (dBµV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1065.623	68.95	PK-U	26.9	-49.1	0	46.75	-	-	74	-27.25	-	-	234	301	H
	* 1063.66	53.05	ADR	26.8	-49.2	2.07	32.72	54	-21.28	-	-	-	-	234	301	H
2	* 1064.579	75.27	PK-U	26.9	-49.1	0	53.07	-	-	74	-20.93	-	-	59	220	V
	* 1064.855	53.68	ADR	26.9	-49.1	2.07	33.55	54	-20.45	-	-	-	-	59	220	V
3	* 8273.909	56.66	PK-U	35.9	-45.2	0	47.36	-	-	74	-26.64	-	-	89	196	H
	* 8273.661	45.16	ADR	35.9	-45.2	2.07	37.93	54	-16.07	-	-	-	-	89	196	H
4	* 11510.062	56.42	PK-U	38.3	-43.9	0	52.82	-	-	74	-21.18	-	-	0	181	H
	* 11509.237	45.58	ADR	38.3	-43.8	2.07	42.05	54	-11.85	-	-	-	-	0	181	H
5	* 8306.042	56.99	PK-U	35.9	-45.1	0	47.79	-	-	74	-26.21	-	-	253	202	V
	* 8306.717	44.99	ADR	35.9	-45.1	2.07	37.86	54	-16.14	-	-	-	-	253	202	V
6	* 11509.428	59.83	PK-U	38.3	-43.9	0	54.23	-	-	74	-19.77	-	-	264	185	V
	* 11509.584	46.46	ADR	38.3	-43.9	2.07	42.83	54	-11.07	-	-	-	-	264	185	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBµV)	Det	AF 206806 (dBm)	Amp/Cbl/Fitr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBµV/m)	Avg Limit (dBµV/m)	Margin (dB)	Peak Limit (dBµV/m)	PK Margin (dB)	UNII Non-Restricted (dBµV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1064.784	68.31	PK-U	26.9	-49.1	0	46.11	-	-	74	-27.89	-	-	238	224	H
	* 1064.676	52.77	ADR	26.9	-49.1	2.07	32.64	54	-21.36	-	-	-	-	238	224	H
2	* 1064.492	72.06	PK-U	26.9	-49.1	0	49.86	-	-	74	-24.14	-	-	175	102	V
	* 1064.129	66.06	ADR	26.9	-49.2	2.07	35.73	54	-18.27	-	-	-	-	175	102	V
3	* 8360.9	57.22	PK-U	36	-44.9	0	48.32	-	-	74	-25.68	-	-	284	257	H
	* 8358.994	45.13	ADR	35.9	-44.9	2.07	38.2	54	-15.8	-	-	-	-	284	257	H
4	* 11593.937	57.43	PK-U	38.4	-43.6	0	52.23	-	-	74	-21.77	-	-	48	107	H
	* 11592.574	44.76	ADR	38.4	-43.6	2.07	41.53	54	-12.37	-	-	-	-	48	107	H
5	* 8357.039	57.22	PK-U	35.9	-46	0	48.12	-	-	74	-25.88	-	-	160	187	V
	* 8358.006	45.19	ADR	35.9	-44.9	2.07	38.26	54	-15.74	-	-	-	-	160	187	V
6	* 11598.863	60.03	PK-U	38.4	-43.6	0	54.83	-	-	74	-19.17	-	-	261	186	V
	* 11599.507	46.95	ADR	38.4	-43.6	2.07	43.82	54	-10.18	-	-	-	-	261	186	V

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

PK-U - U-NII: Maximum Peak

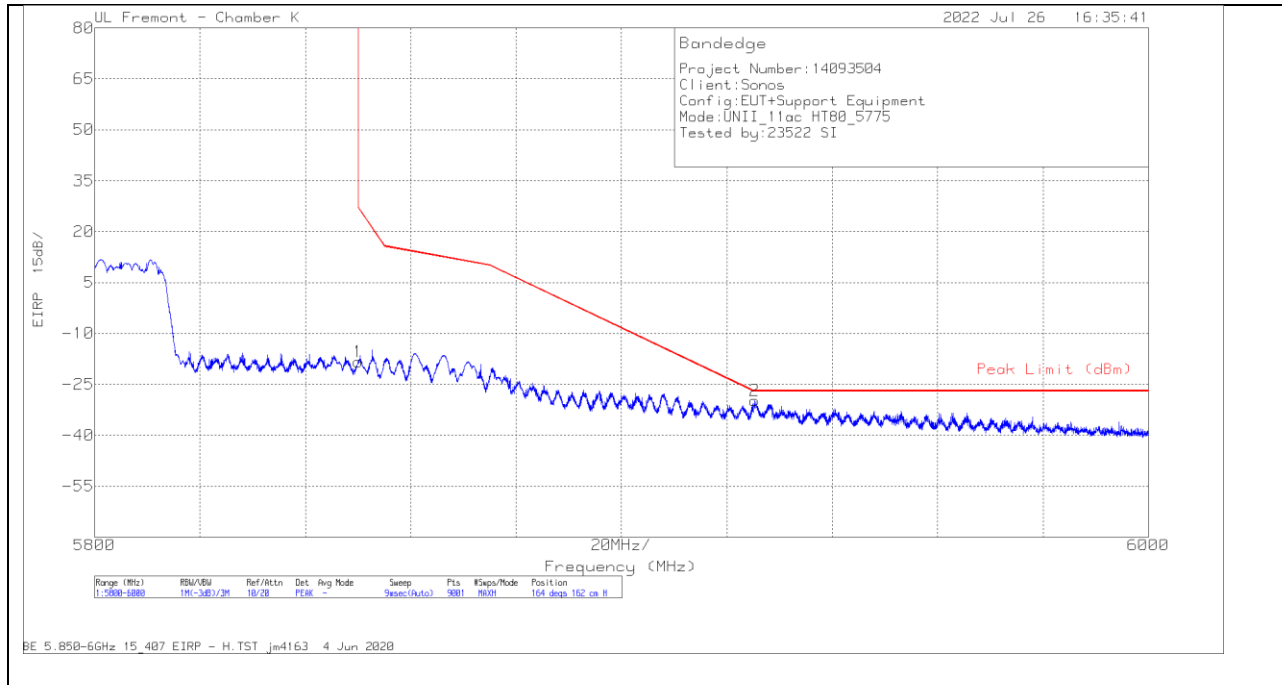
ADR - U-NII AD primary method, RMS average

10.1.16. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 4 CDD MODE

BANDEDGE (CHANNEL 155 LOW EDGE)

HORIZONTAL RESULT

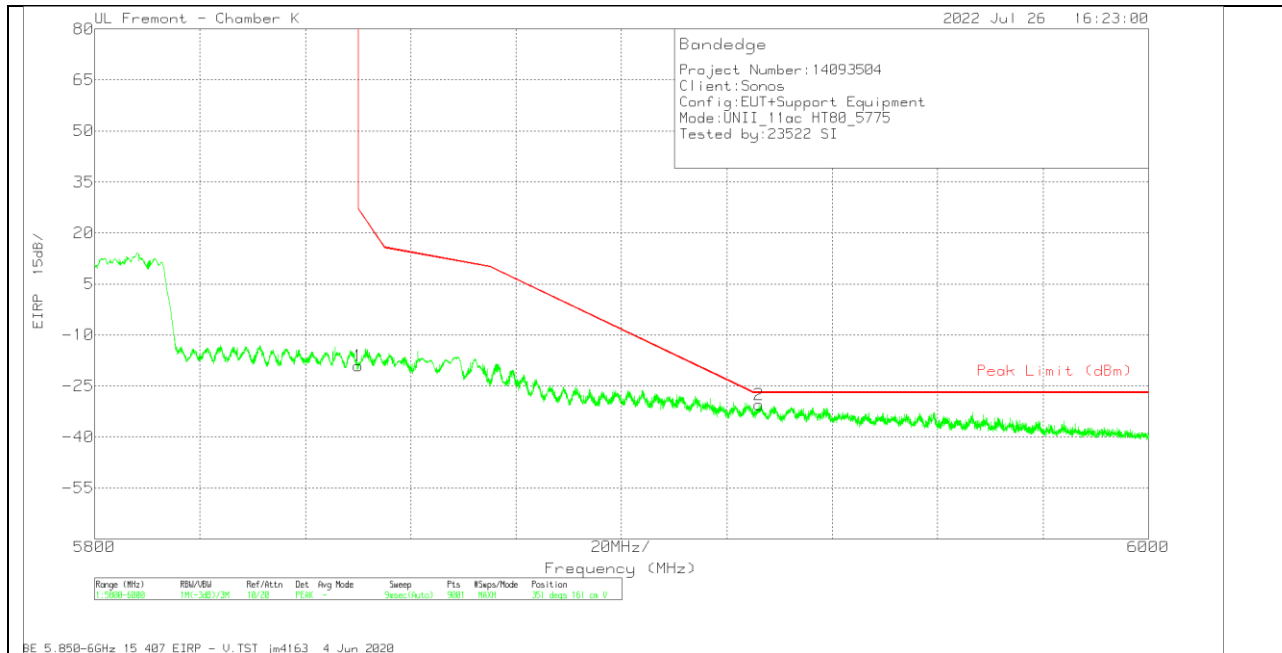


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)
1	5850	-35.29	Pk	35.1	-29.9	11.8	0	-18.29	27	-45.29	164	162
2	5925.221	-47.08	Pk	35.3	-29.9	11.8	0	-29.88	-27	-2.88	164	162

Pk - Peak detector

VERTICAL RESULT



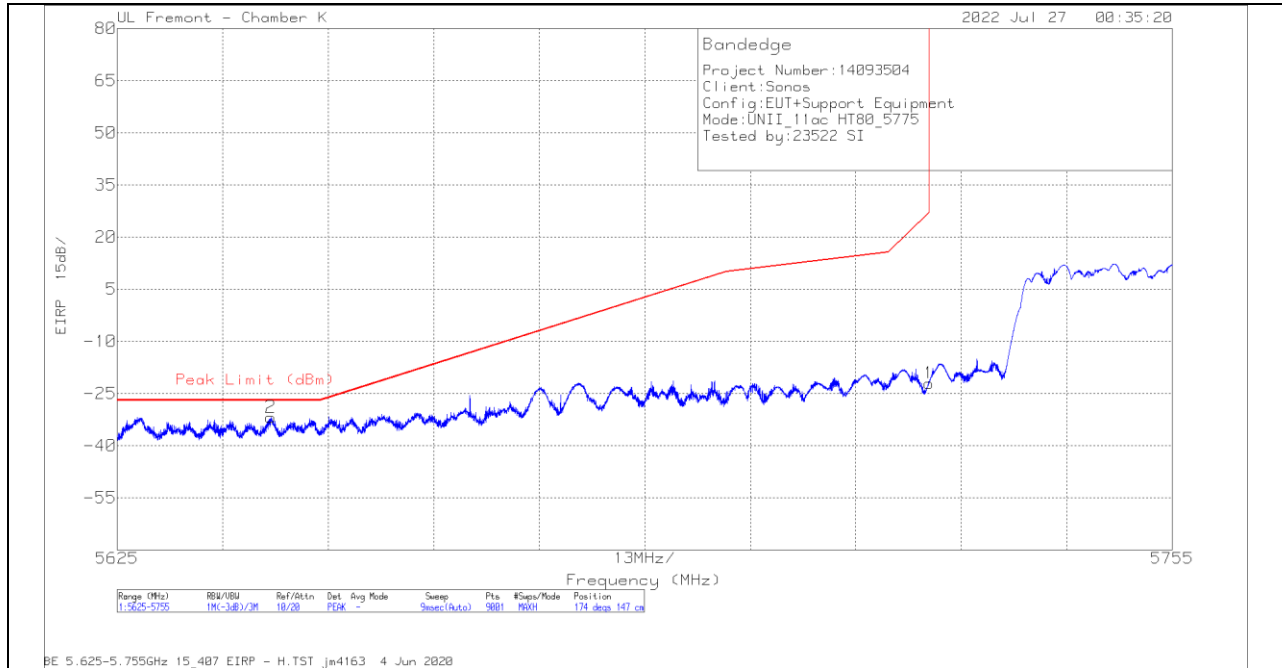
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)
1	5850	-36.12	Pk	35.1	-29.9	11.8	0	-19.12	27	-46.12	351	161
2	5926.088	-47.92	Pk	35.3	-29.8	11.8	0	-30.62	-27	-3.62	351	161

Pk - Peak detector

BANDEDGE (CHANNEL 155 HIGH EDGE)

HORIZONTAL RESULT

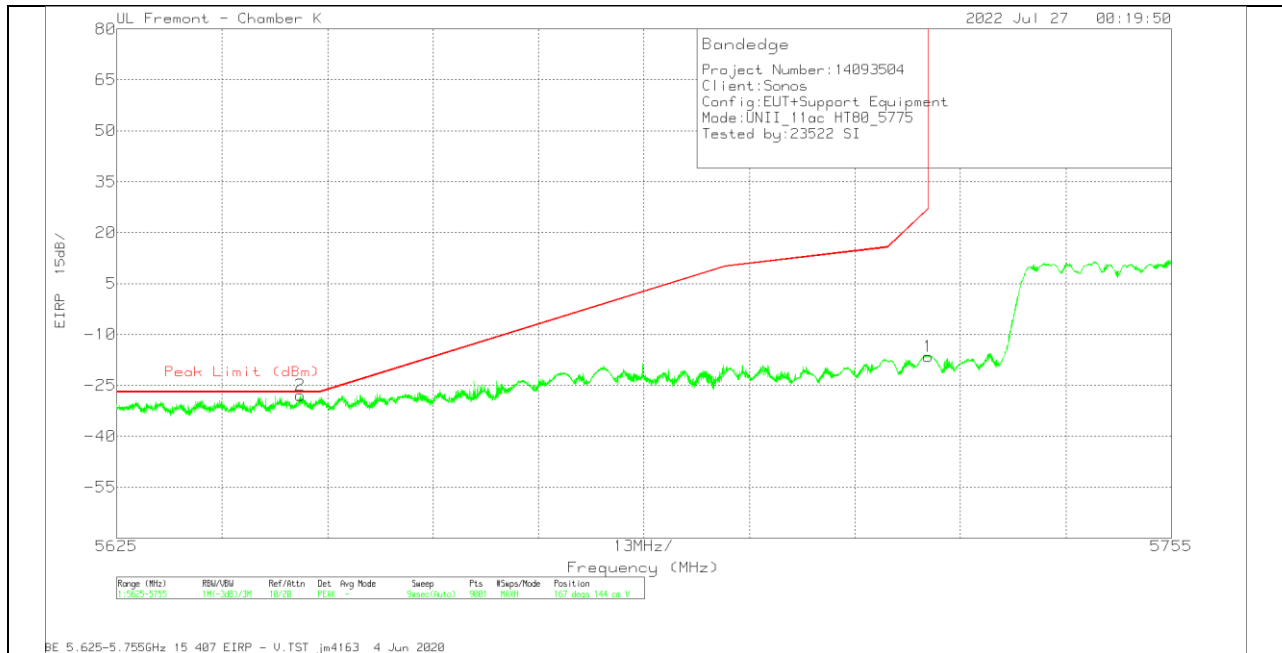


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-38.64	Pk	34.9	-30.1	11.8	-22.04	27	-49.04	174	147	H
2	5643.922	-48.34	Pk	34.9	-30.2	11.8	-31.84	-27	-4.84	174	147	H

Pk - Peak detector

VERTICAL RESULT



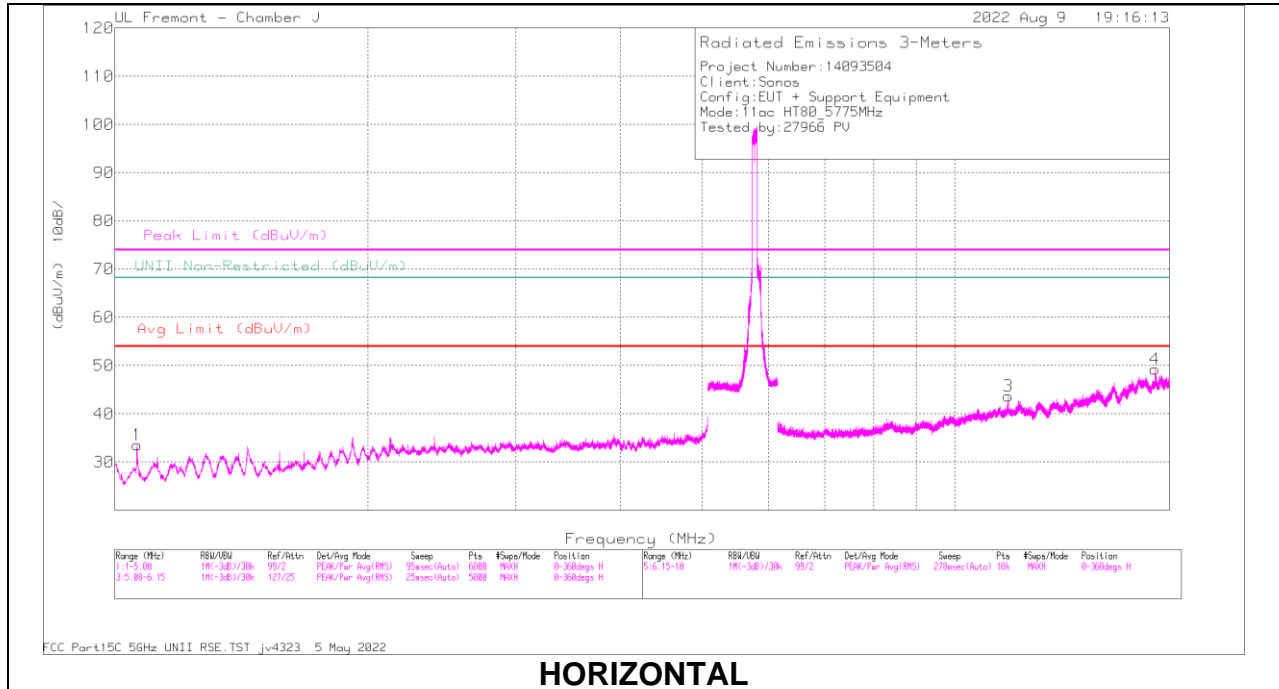
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF 80404 (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-33.1	Pk	34.9	-30.1	11.8	-16.5	27	-43.5	167	144	V
2	5647.648	-44.32	Pk	34.8	-30.2	11.8	-27.92	-27	-.92	167	144	V

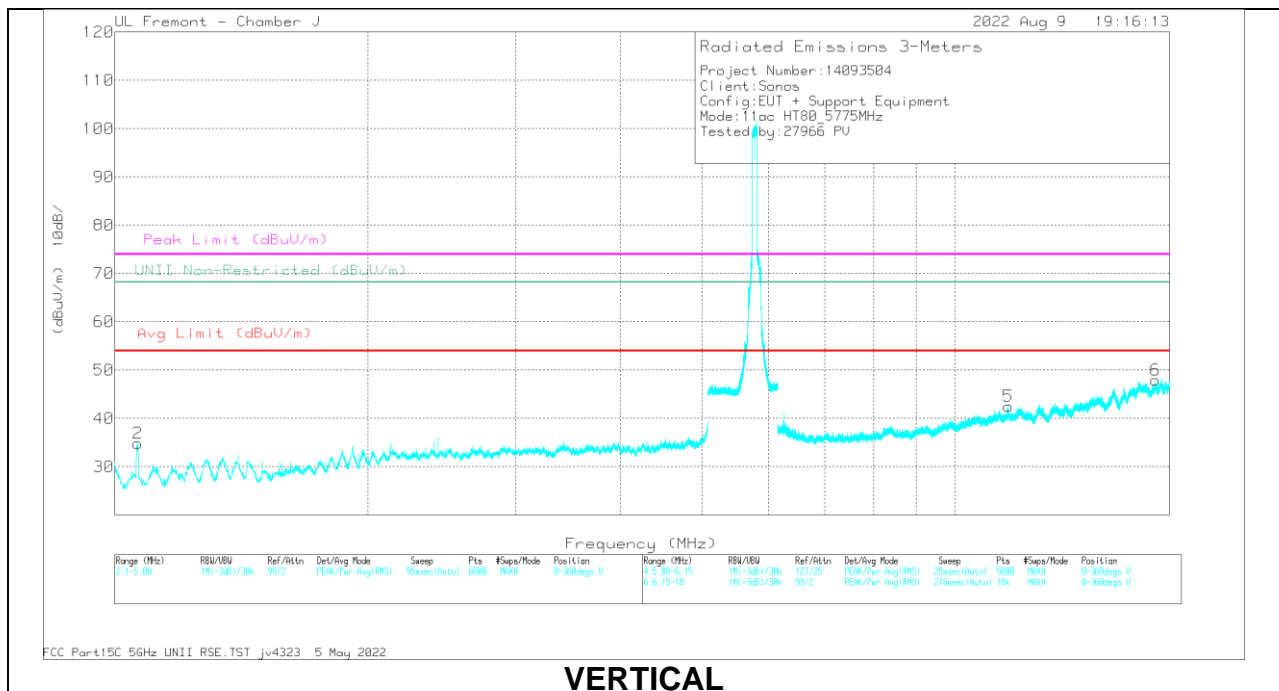
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 206806 (dBm)	Amp/Cbl/Ftr/Pa d (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	* 1064.497	67.15	PK-U	26.9	-49.1	0	44.95	-	-	74	-29.05	-	-	249	219	H
	* 1063.107	51.39	ADR	26.8	-49.2	3.36	32.35	54	-21.65	-	-	-	-	249	219	H
2	* 1064.009	70.77	PK-U	26.8	-49.2	0	48.37	-	-	74	-25.63	-	-	181	110	V
	* 1063.124	54.52	ADR	26.9	-49.1	3.36	35.98	54	-18.02	-	-	-	-	181	110	V
3	* 11569.2	57.87	PK-U	38.4	-43.6	0	52.67	-	-	74	-21.33	-	-	189	396	H
	* 11568.897	44.18	ADR	38.4	-43.6	3.36	42.34	54	-11.66	-	-	-	-	189	396	H
4	17314.389	59.19	PK-U	41.3	-41.9	0	58.59	-	-	-	-	68.2	-8.61	211	102	H
5	* 11578.911	59.38	PK-U	38.4	-43.6	0	54.78	-	-	74	-19.82	-	-	263	176	V
	* 11578.899	45.32	ADR	38.4	-43.6	3.36	43.48	54	-10.52	-	-	-	-	263	176	V
6	17318.868	58.52	PK-U	41.3	-41.9	0	57.92	-	-	-	-	68.2	-10.28	211	222	V

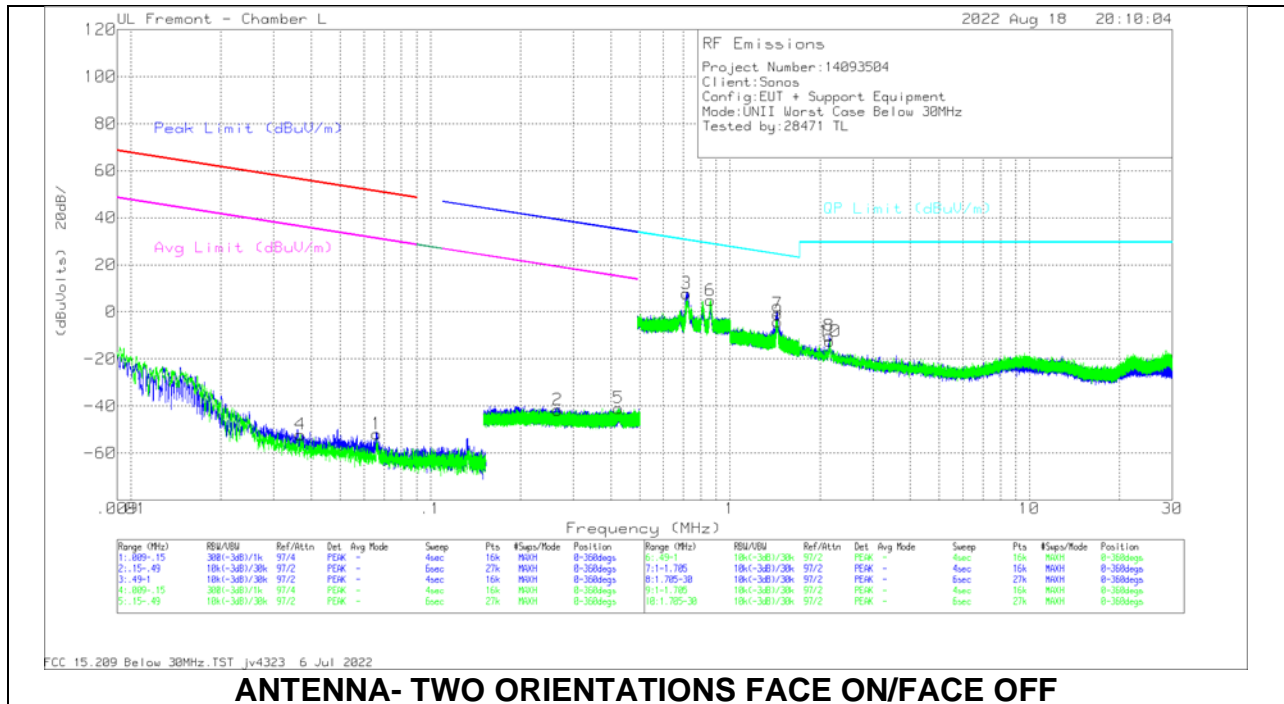
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.2. WORST CASE BELOW 30MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



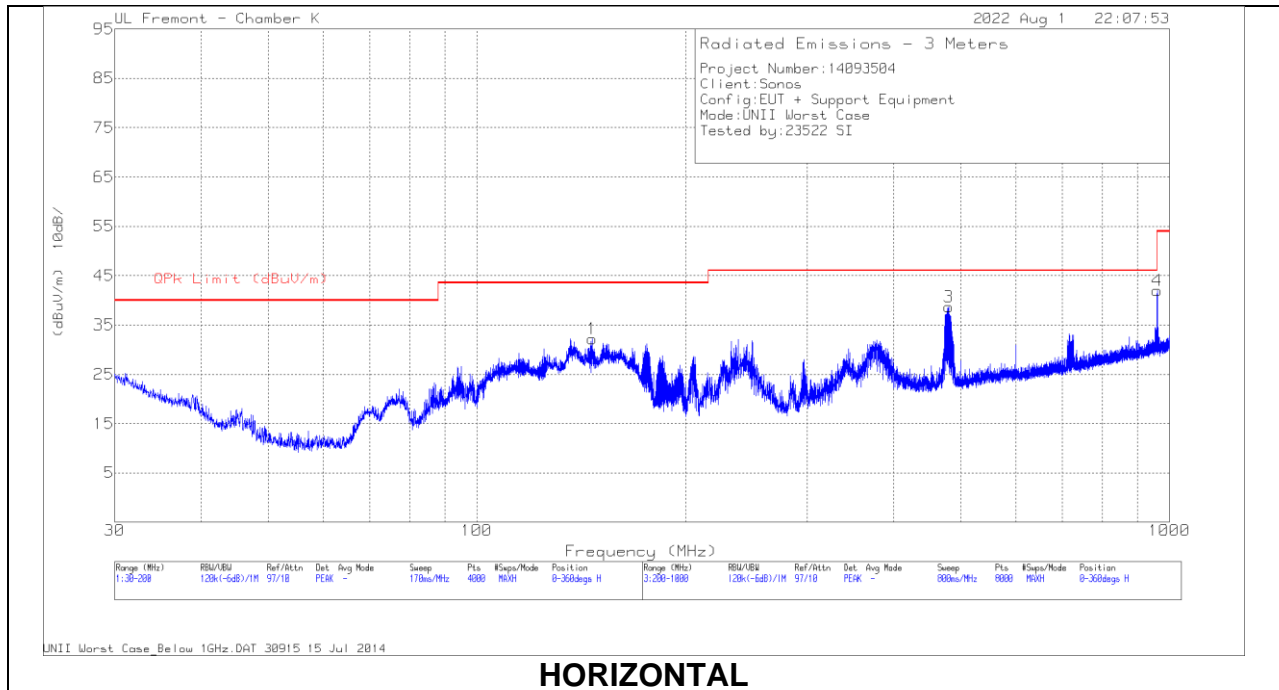
ANTENNA- TWO ORIENTATIONS FACE ON/FACE OFF

Below 30MHz Data

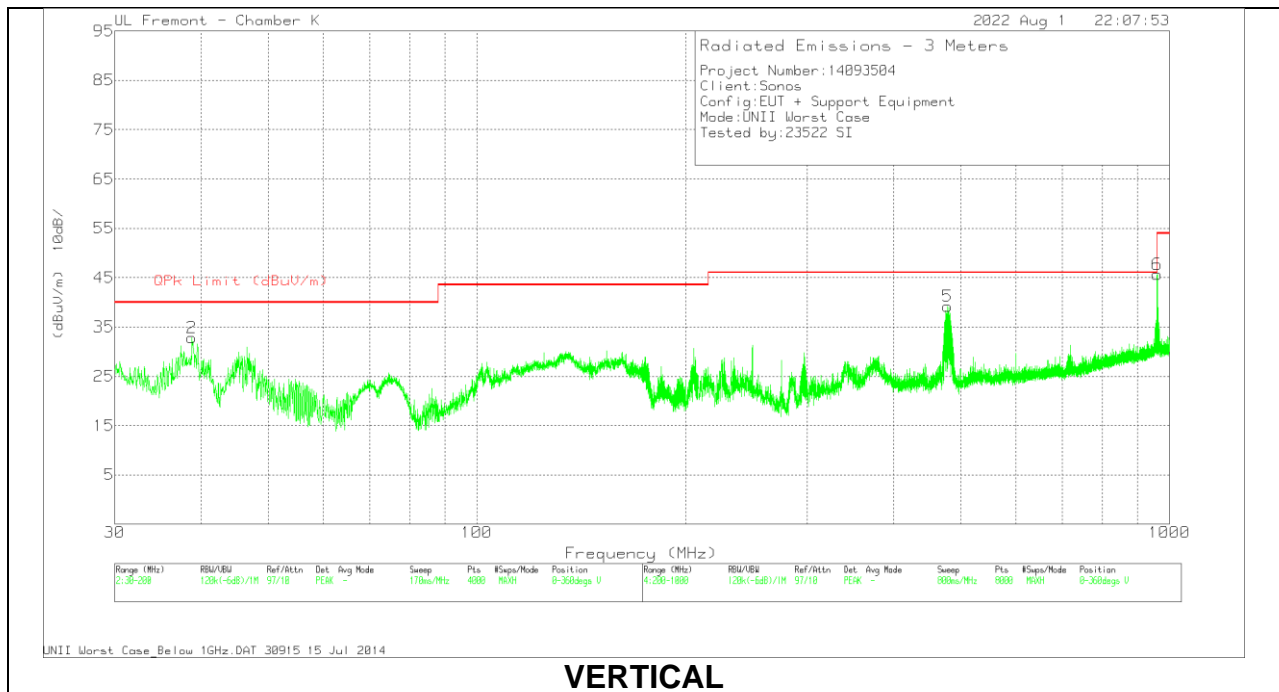
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF)	Amp/ Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBu V/m)	Margin (dB)	Avg Limit (dBu V/m)	Margin (dB)	QP Limit (dB uV/m)	Margin (dB)	QP Limit (dBu V/m)	Margin (dB)	Peak Limit (dBu V/m)	Margin (dB)	Avg Limit (dBu V/m)	Margin (dB)	Azimuth (Degs)	
1	.0662	4.03	Pk	56	-31.9	-80	-51.87	51.16	-103.03	31.16	-83.03	-	-	-	-	-	-	-	-	-	0-360
2	.2657	14.14	Pk	56.2	-32	-80	-41.66	-	-	-	-	-	-	-	-	39.13	-80.79	19.13	-60.79	-	0-360
4	.0368	2.2	Pk	57.4	-31.7	-80	-52.1	56.28	-108.38	36.28	-88.38	-	-	-	-	-	-	-	-	-	0-360
5	.4249	14.92	Pk	56.1	-31.9	-80	-40.88	-	-	-	-	-	-	-	-	35.04	-75.92	15.04	-55.92	-	0-360
3	.7162	23.56	Pk	56.2	-31.9	-40	7.86	-	-	-	-	-	-	30.51	-22.65	-	-	-	-	-	0-360
6	.8608	20.59	Pk	56.2	-31.9	-40	4.89	-	-	-	-	-	-	28.92	-24.03	-	-	-	-	-	0-360
7	1.4421	26.46	Pk	44.6	-31.9	-40	-84	-	-	-	-	-	-	24.45	-25.29	-	-	-	-	-	0-360
8	2.1441	20.37	Pk	41.3	-31.8	-40	-10.13	-	-	-	-	-	-	29.5	-39.63	-	-	-	-	-	0-360
9	1.4431	23.26	Pk	44.6	-31.9	-40	-4.04	-	-	-	-	-	-	24.44	-28.48	-	-	-	-	-	0-360
10	2.1567	18.14	Pk	41.2	-31.8	-40	-12.46	-	-	-	-	-	-	29.5	-41.96	-	-	-	-	-	0-360

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHz



HORIZONTAL



VERTICAL

Below 1GHz DATA

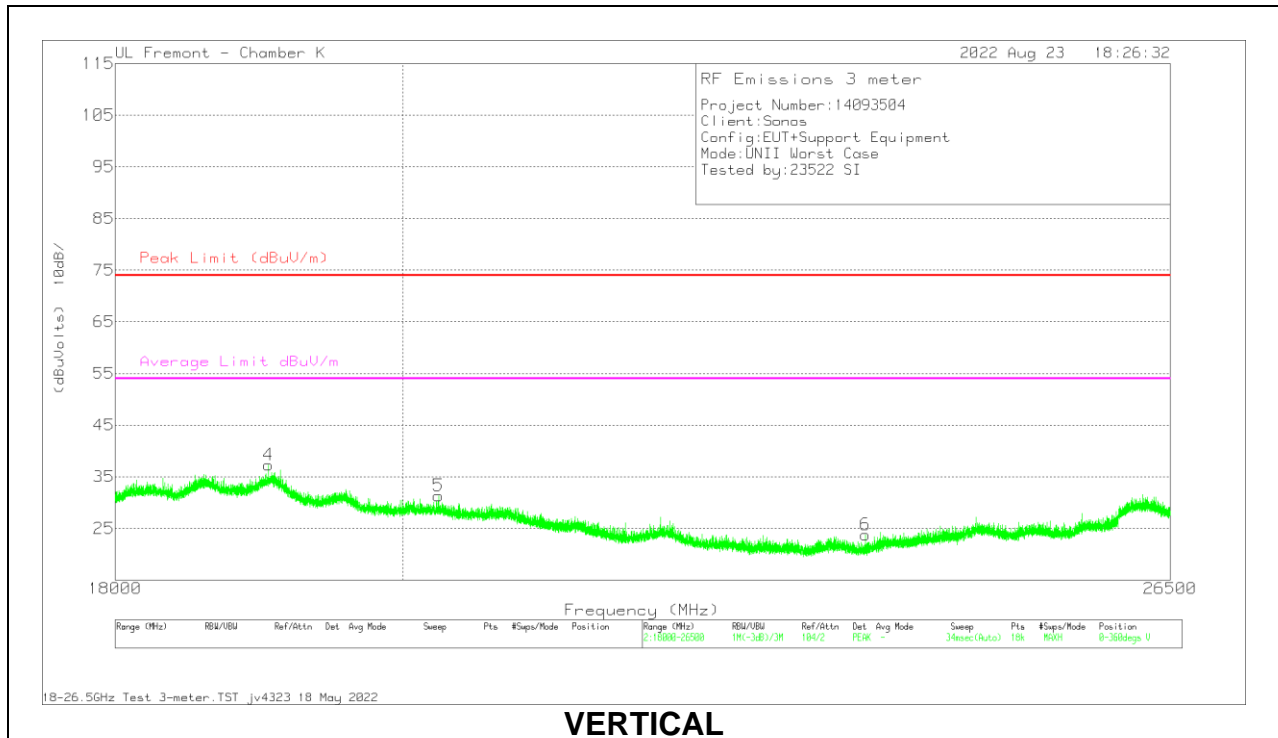
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	82258 ACF (dB)	Amp/Cbl (dB)	Fixture Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	146.82	44.03	Pk	18.8	-30.6	0	32.23	43.52	-11.29	0-360	197	H
2	38.7998	43.17	Pk	21.1	-31.4	0	32.87	40	-7.13	0-360	97	V
3	480.336	43.76	Pk	23.9	-29	0	38.66	46.02	-7.36	0-360	199	H
4	* 960.099	38.88	QPk	29.4	-26.3	0	41.98	53.97	-11.99	0-360	99	H
5	478.236	44.41	Pk	23.9	-29.1	0	39.21	46.02	-6.81	0-360	101	V
6	* 960.099	42.55	QPk	29.4	-26.3	0	45.65	53.97	-8.32	0-360	101	V

*Qp - Quasi-Peak detector

10.4. WORST CASE 18-26 GHz



HORIZONTAL



VERTICAL

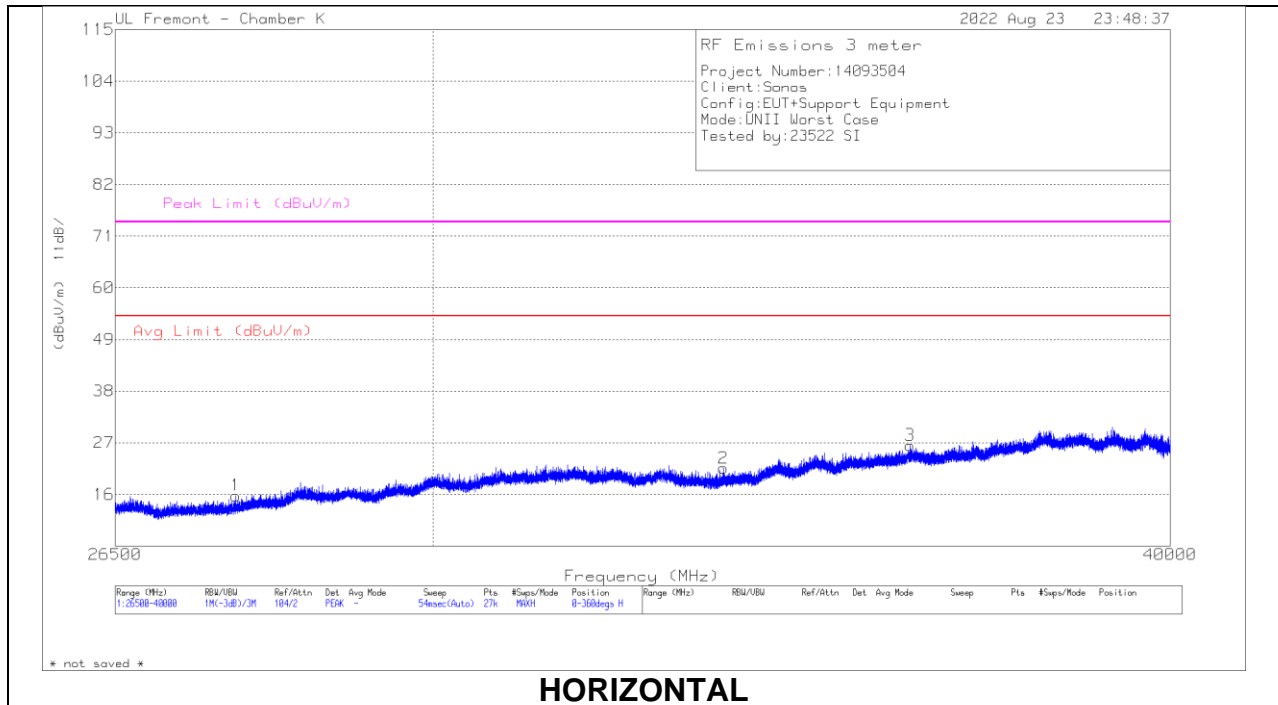
18 – 26GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	81138 AF (dB/m)	215705 amp/cbl (dB)	Cables (dB)	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 18190.778	45.23	Pk	32.4	-60.9	17.7	34.43	74	-39.57	54	-19.57	0-360	200	H
2	* 20198.193	39.95	Pk	32.9	-60.1	18.5	31.25	74	-42.75	54	-22.75	0-360	200	H
3	24551.608	33.06	Pk	34.1	-61.1	20.5	26.56	74	-47.44	54	-27.44	0-360	200	H
4	* 19038.416	47.3	Pk	32.6	-60.7	18.1	37.3	74	-36.7	54	-16.7	0-360	100	V
5	* 20264.304	39.75	Pk	33	-60	18.6	31.35	74	-42.65	54	-22.65	0-360	199	V
6	* 23697.358	31.1	Pk	33.8	-61.2	20.1	23.8	74	-50.2	54	-30.2	0-360	100	V

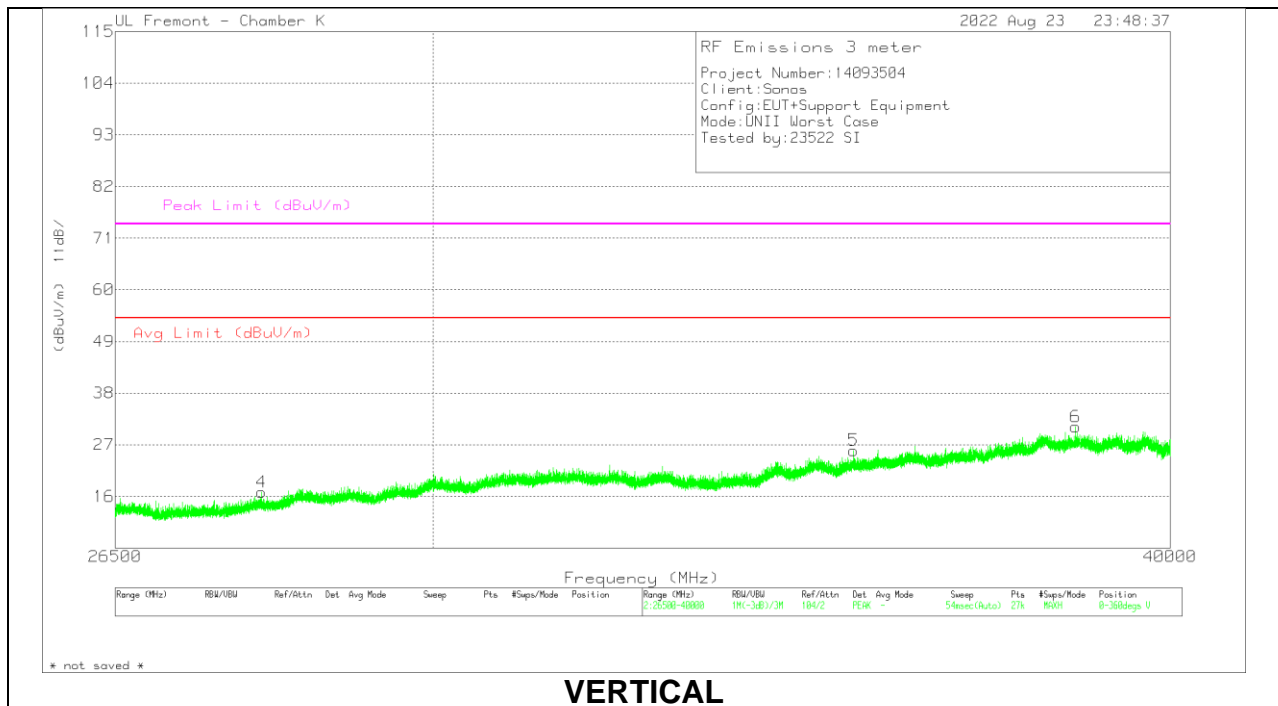
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

10.5. WORST CASE 26-40 GHz



HORIZONTAL



VERTICAL

26 – 40GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	81104 AF (dB/m)	172345 amp/cbl (dB)	Cables (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	27777.5	31.86	Pk	35.7	-73.8	22	15.76	54	-38.24	74	-58.24	0-360	200	H
2	33599.5	32.27	Pk	37	-72	24.3	21.57	54	-32.43	74	-52.43	0-360	200	H
3	36140	35.84	Pk	37.6	-72.5	25.5	26.44	54	-27.56	74	-47.56	0-360	200	H
4	28059	32.4	Pk	35.8	-73.4	22.1	16.9	54	-37.1	74	-57.1	0-360	200	V
5	35349.5	37	Pk	37.1	-73.3	25	25.8	54	-28.2	74	-48.2	0-360	100	V
6	38549	34.83	Pk	38.2	-68.8	26.6	30.83	54	-23.17	74	-43.17	0-360	100	V

Avg - Video bandwidth < Resolution bandwidth

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.

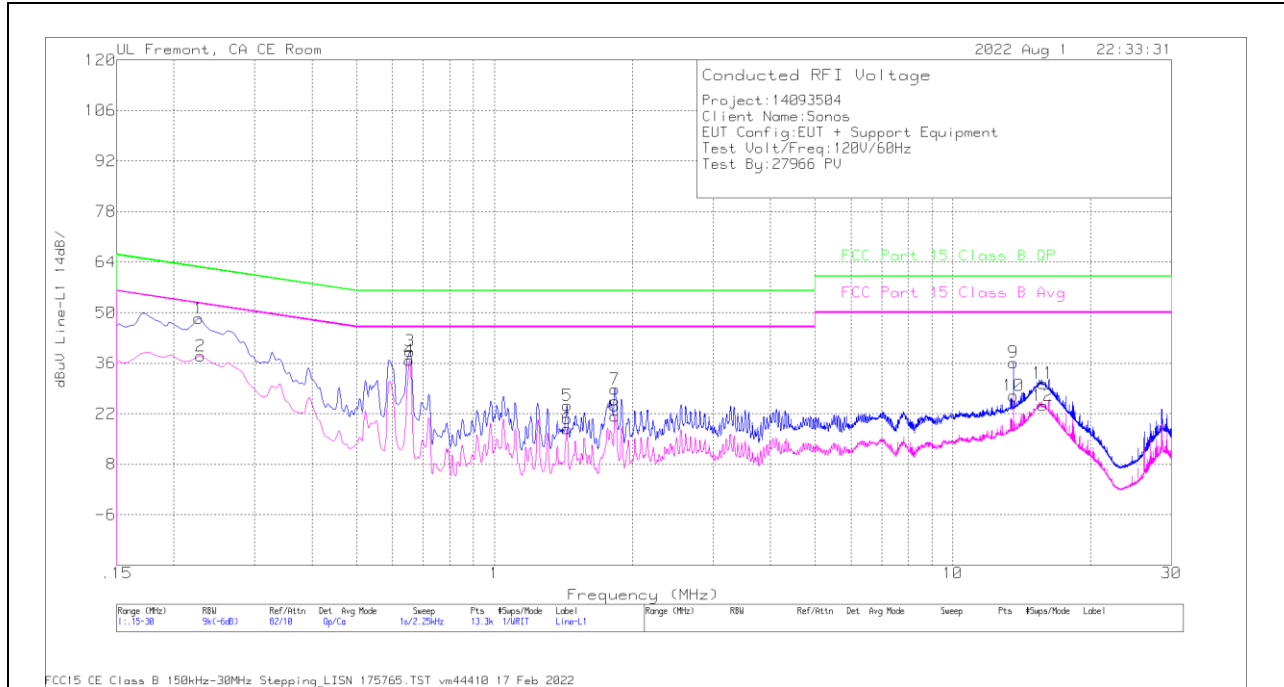
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

AC POWER LINE

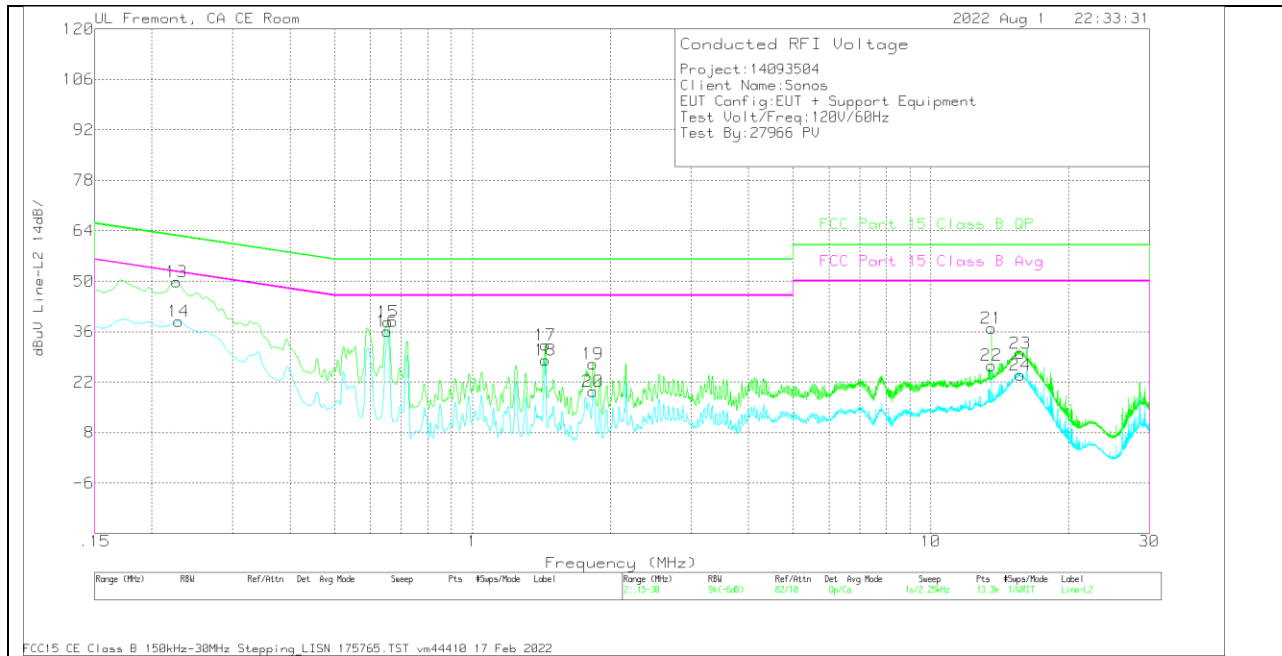
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L1	C1&C3 cable	TekBox Limiter TBFL1 Model 207	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)M argin (dB)	
2	.2288	28.65	Ca	0	0	9.3	37.95	-	-	52.49	-14.54	
4	.6518	27.34	Ca	0	.1	9.3	36.74	-	-	46	-9.26	
6	1.4415	8.37	Ca	0	.1	9.3	17.77	-	-	46	-28.23	
8	1.8308	11.84	Ca	0	.1	9.3	21.24	-	-	46	-24.76	
10	13.56	17.37	Ca	.1	.2	9.3	26.97	-	-	50	-23.03	
12	15.7099	14.66	Ca	.1	.2	9.3	24.26	-	-	50	-25.74	
1	.2265	39.06	Qp	0	0	9.3	48.36	62.58	-14.22	-	-	
3	.654	29.91	Qp	0	.1	9.3	39.31	56	-16.69	-	-	
5	1.4415	14.87	Qp	0	.1	9.3	24.27	56	-31.73	-	-	
7	1.833	19.43	Qp	0	.1	9.3	28.83	56	-27.17	-	-	
9	13.56	26.58	Qp	.1	.2	9.3	36.18	60	-23.82	-	-	
11	15.7358	20.84	Qp	.1	.2	9.3	30.44	60	-29.56	-	-	

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L2	C2&C3 cable	TekBox Limiter TBFL1 Model 207	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)M argin (dB)	
14	.2288	29.58	Ca	0	0	9.3	38.88	-	-	52.49	-13.61	
16	.6518	26.76	Ca	0	.1	9.3	36.16	-	-	46	-9.84	
18	1.4415	18.7	Ca	0	.1	9.3	28.1	-	-	46	-17.9	
20	1.8308	10.01	Ca	0	.1	9.3	19.41	-	-	46	-26.59	
22	13.56	17.02	Ca	.1	.2	9.3	26.62	-	-	50	-23.38	
24	15.6795	14.39	Ca	.1	.2	9.3	23.99	-	-	50	-26.01	
13	.2265	40.45	Qp	0	0	9.3	49.75	62.58	-12.83	-	-	
15	.654	29.24	Qp	0	.1	9.3	38.64	56	-17.36	-	-	
17	1.4415	22.85	Qp	0	.1	9.3	32.25	56	-23.75	-	-	
19	1.833	17.65	Qp	0	.1	9.3	27.05	56	-28.95	-	-	
21	13.56	27.3	Qp	.1	.2	9.3	36.9	60	-23.1	-	-	
23	15.6795	20.46	Qp	.1	.2	9.3	30.06	60	-29.94	-	-	

Qp - Quasi-Peak detector
 Ca - CISPR average detection