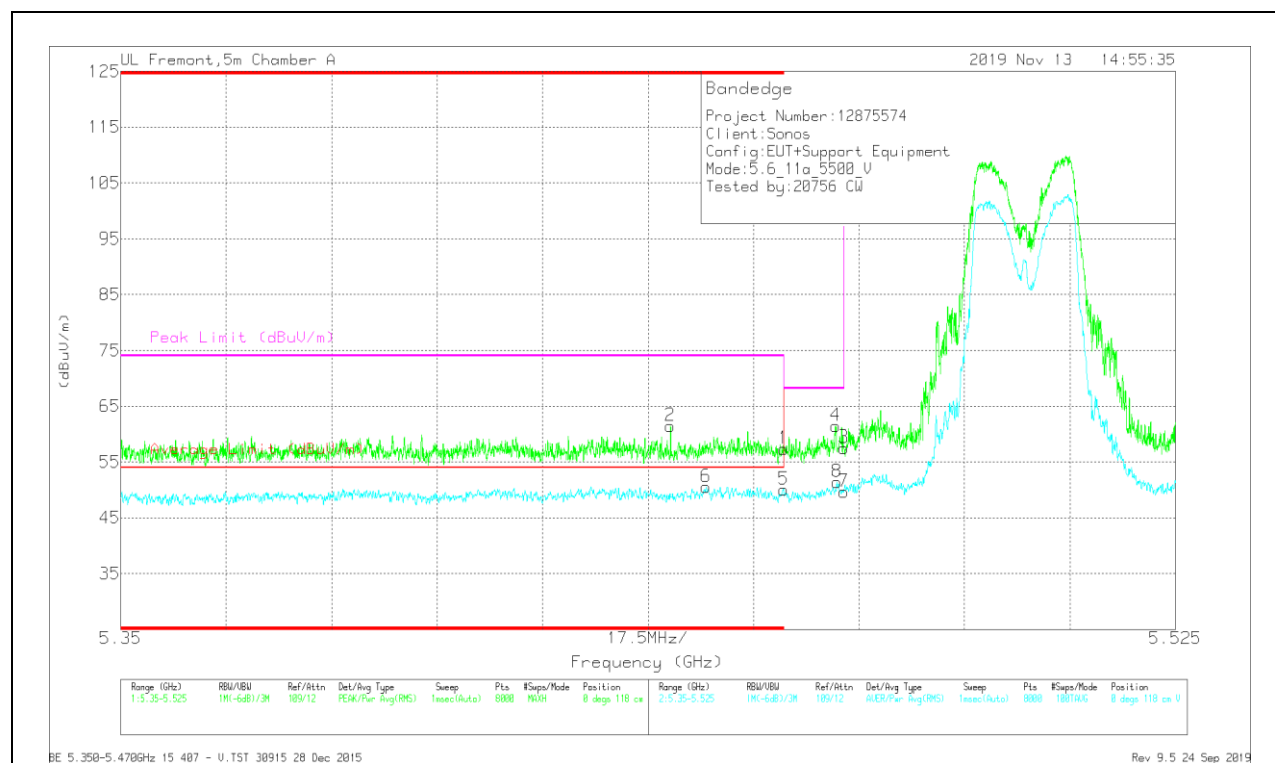


VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filt/Pad (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	38.22	Pk	34.9	-15.8	57.32	-	-	74	-16.68	0	118	V
2	* 5.44123	42.72	Pk	34.9	-16.1	61.52	-	-	74	-12.48	0	118	V
5	* 5.45998	30.96	RMS	34.9	-15.8	50.06	54	-3.94	-	-	0	118	V
6	* 5.44714	31.43	RMS	34.9	-15.8	50.53	54	-3.47	-	-	0	118	V
4	5.46864	42.65	Pk	34.9	-16.1	61.45	-	-	68.2	-6.75	0	118	V
8	5.46882	32.62	RMS	34.9	-16.1	51.42	-	-	-	-	0	118	V
3	5.46998	39.15	Pk	34.9	-16.5	57.55	-	-	68.2	-10.65	0	118	V
7	5.46998	31.29	RMS	34.9	-16.5	49.69	-	-	-	-	0	118	V

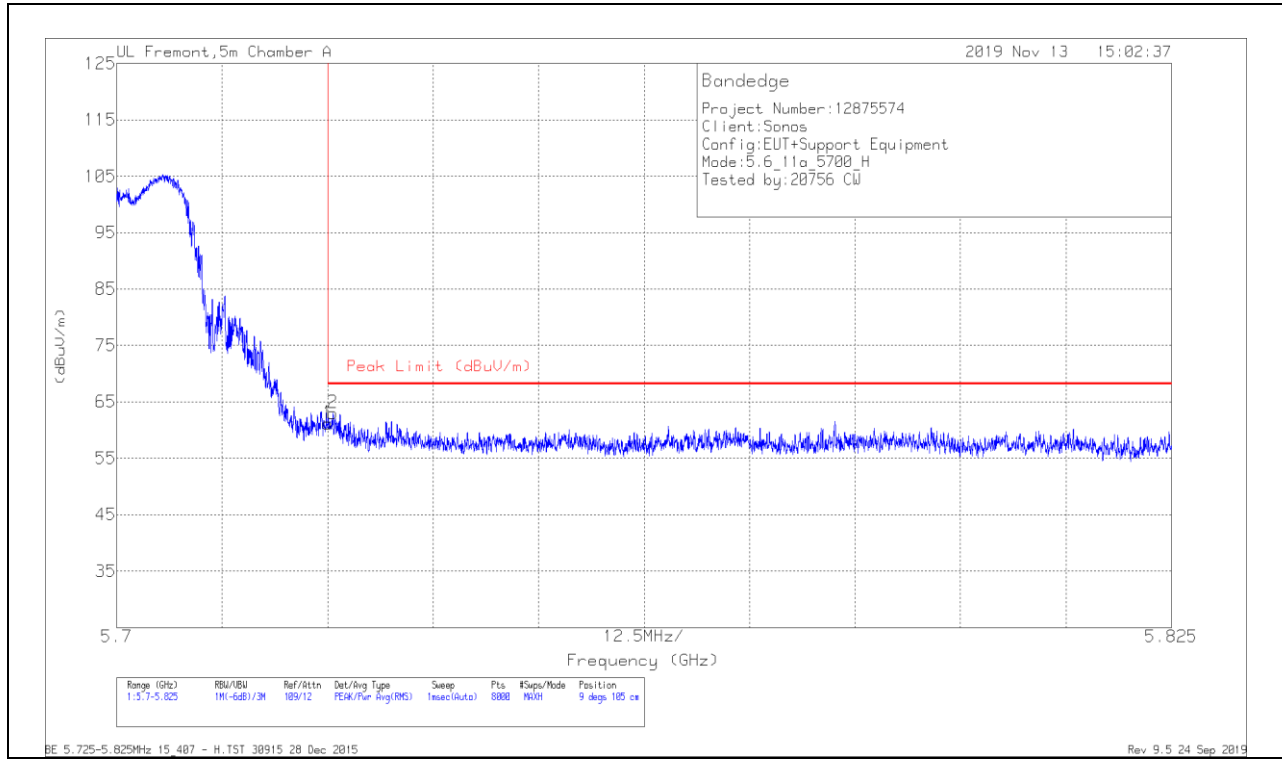
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

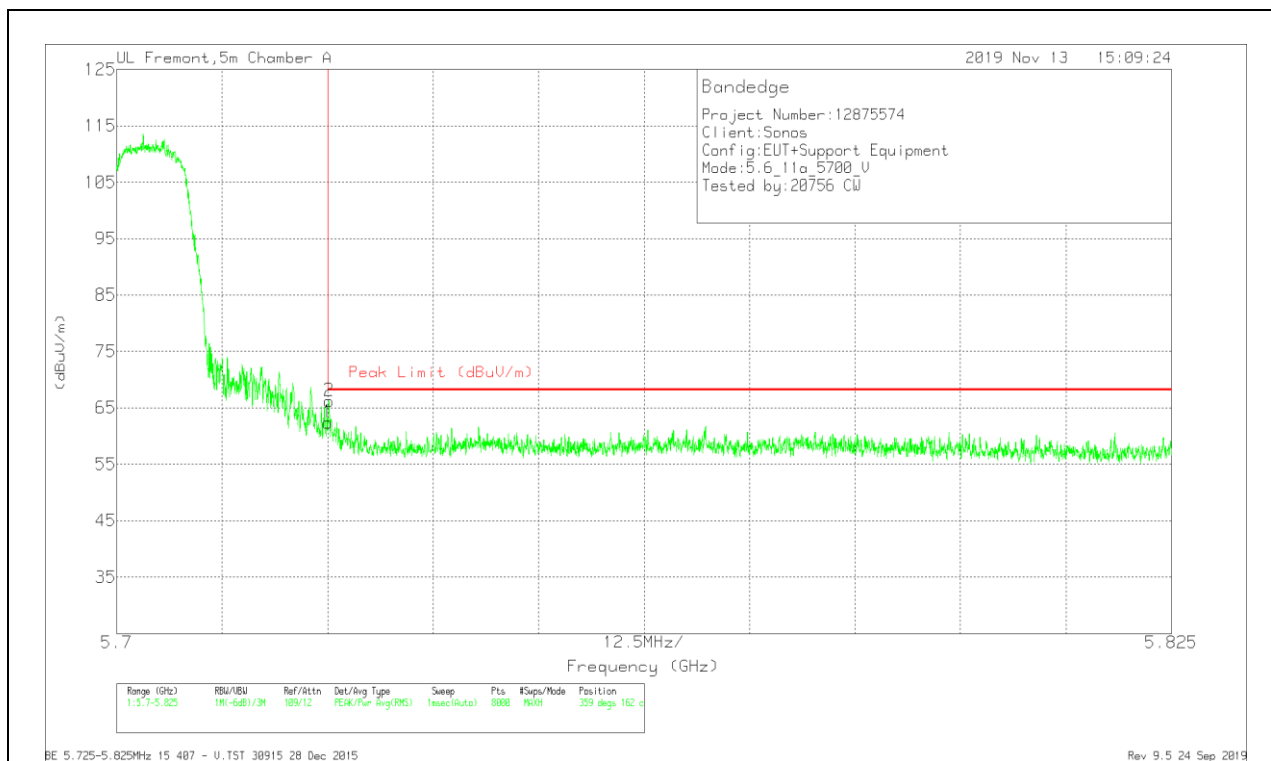
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.24	Pk	34.9	-17	61.14	68.2	-7.06	9	105	H
2	5.72563	45.5	Pk	34.9	-17.4	63	68.2	-5.2	9	105	H

Pk - Peak detector

VERTICAL RESULT

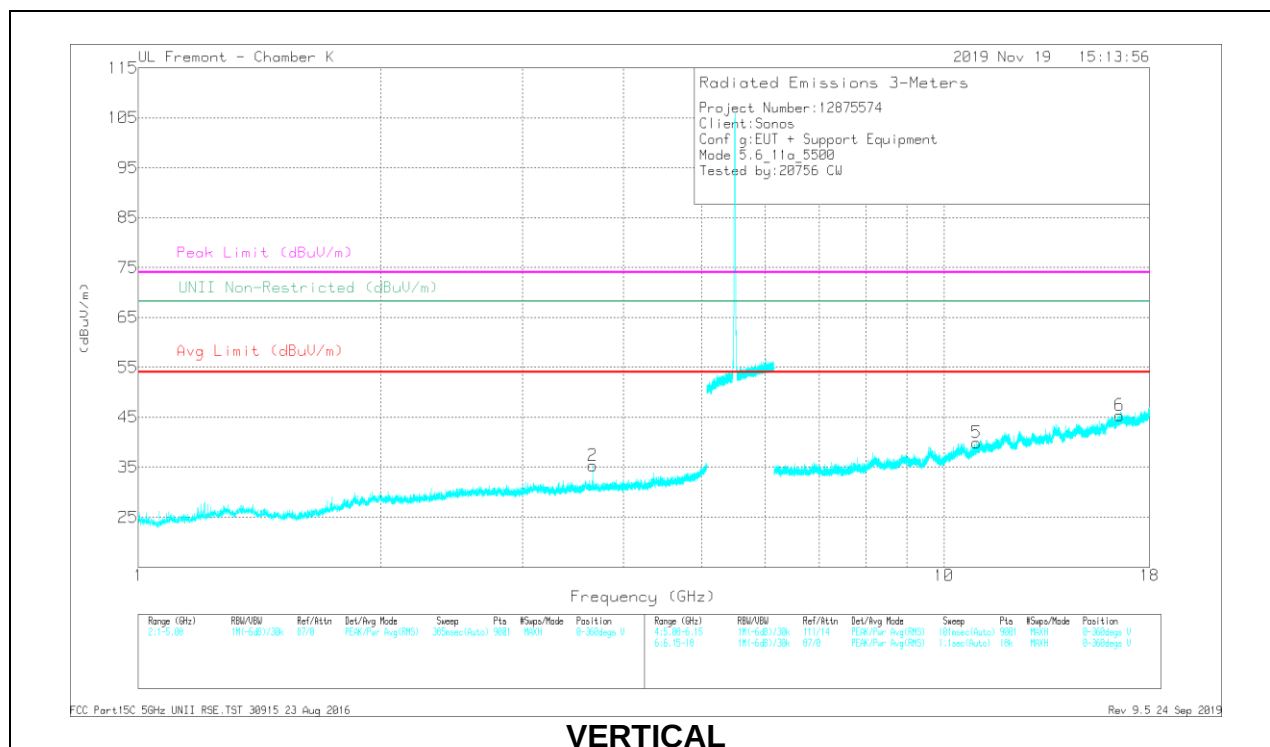
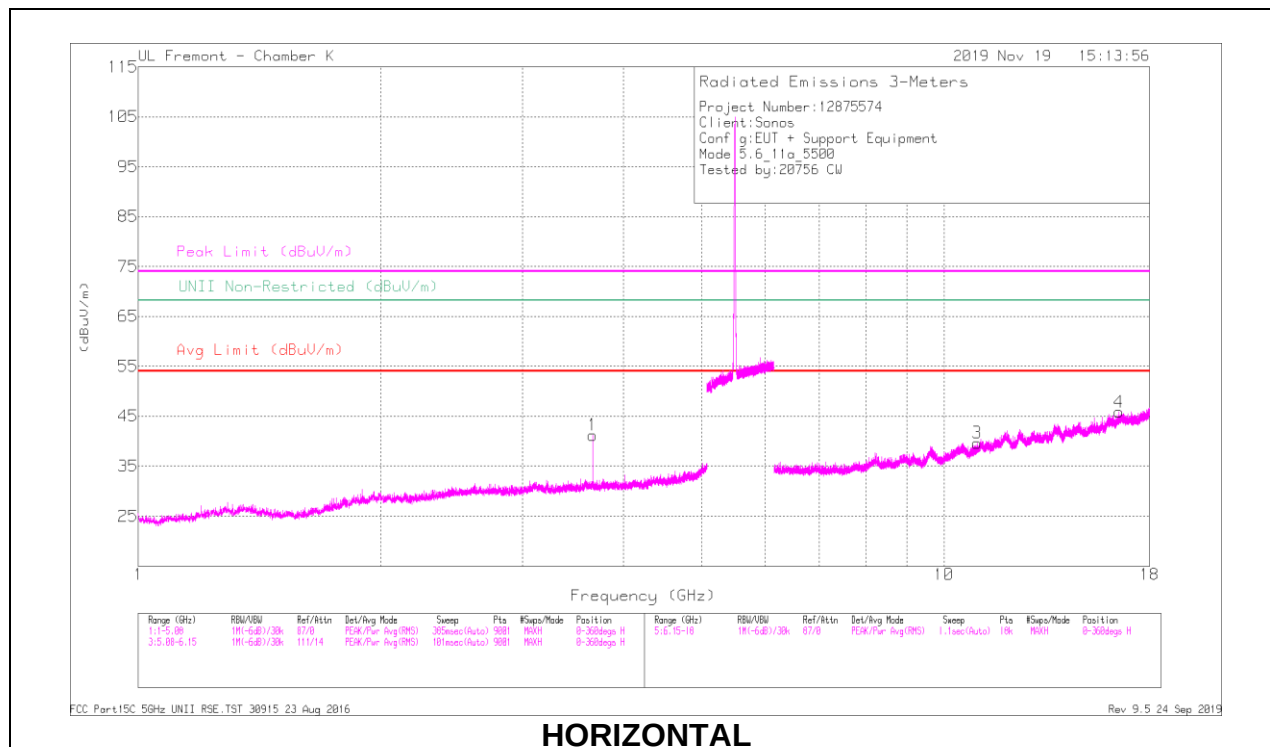


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.54	Pk	34.9	-17	62.44	68.2	-5.76	359	162	V
2	5.72514	48.44	Pk	34.9	-17.1	66.24	68.2	-1.96	359	162	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

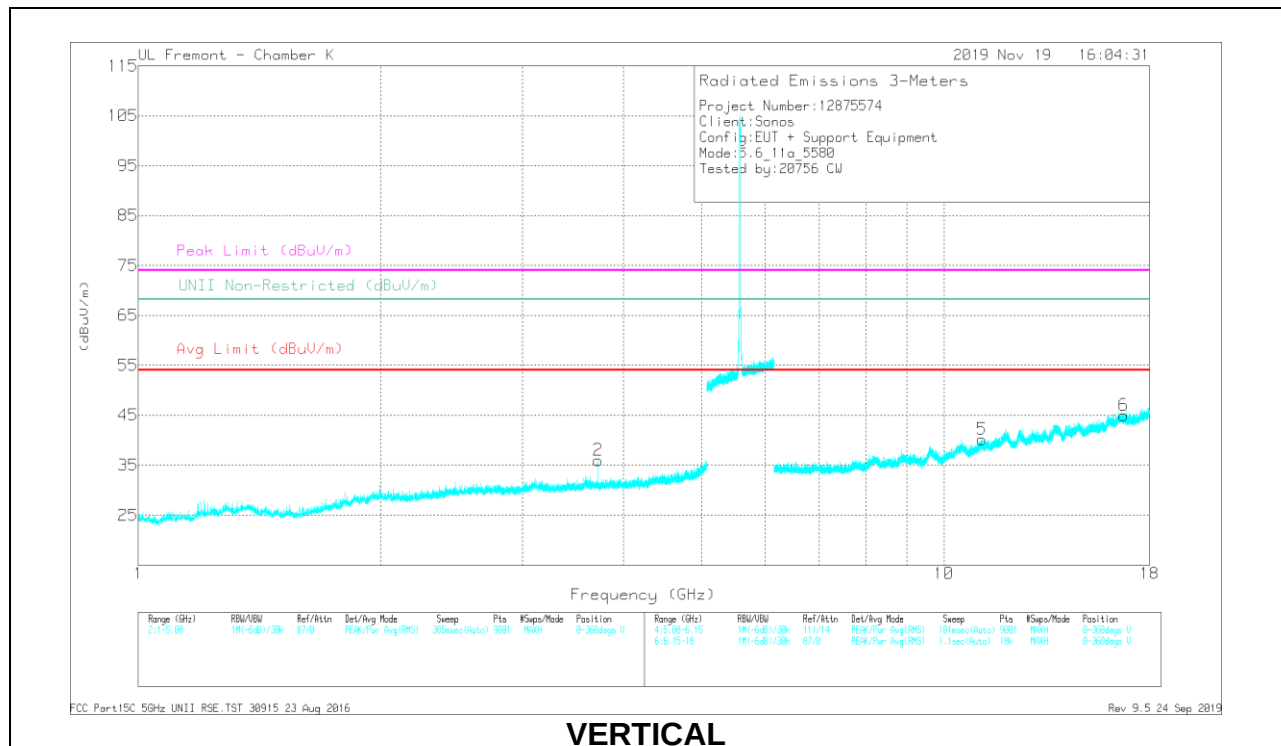
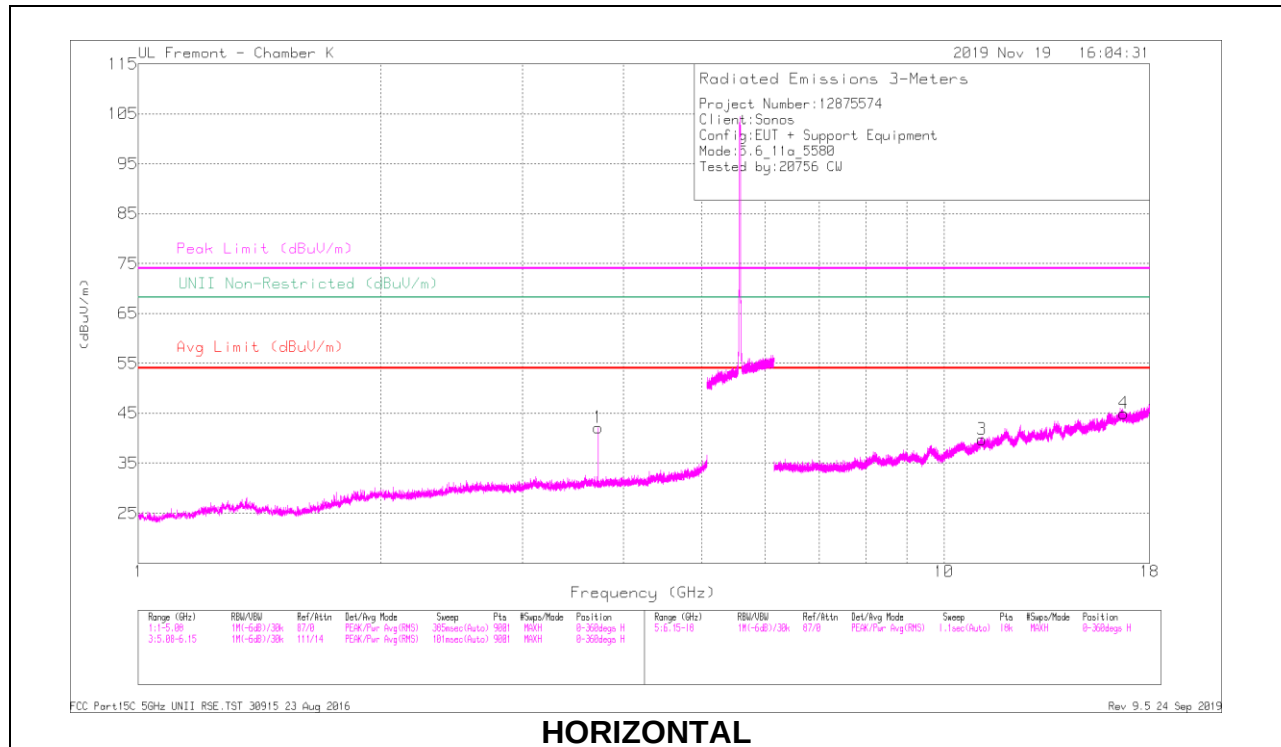
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp/Ch/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unli Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.66668	43.61	PK-U	32.9	-32.3	44.21	-	-	74	-29.79	-	-	152	125	H
	* 3.66664	39.87	ADR	32.9	-32.3	40.47	54	-13.53	-	-	-	-	152	125	H
2	* 3.66679	41.49	PK-U	32.9	-32.3	42.09	-	-	74	-31.91	-	-	33	197	V
	* 3.66663	35.12	ADR	32.9	-32.3	35.72	54	-18.28	-	-	-	-	33	197	V
3	* 11.00073	31.33	PK-U	37.9	-22.1	47.13	-	-	74	-26.87	-	-	353	242	H
	* 11.00309	21.01	ADR	37.9	-22	36.91	54	-17.09	-	-	-	-	353	242	H
4	16.5006	28.7	PK-U	40.9	-17.6	52	-	-	-	-	68.2	-16.2	126	217	H
5	* 10.97757	32.05	PK-U	37.9	-22.3	47.65	-	-	74	-26.35	-	-	5	376	V
	* 10.97895	20.55	ADR	37.9	-22.2	36.25	54	-17.75	-	-	-	-	5	376	V
6	16.50428	28.79	PK-U	40.9	-17.6	52.09	-	-	-	-	68.2	-16.11	57	157	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



RADIATED EMISSIONS

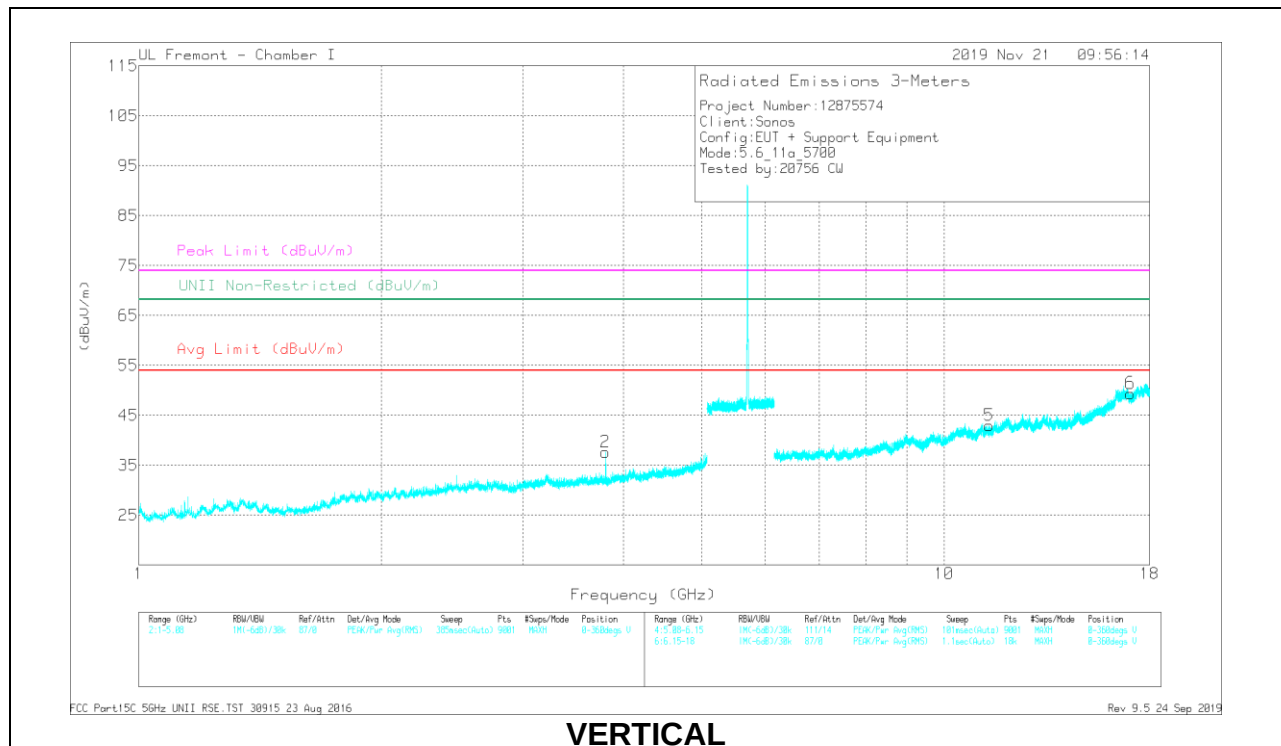
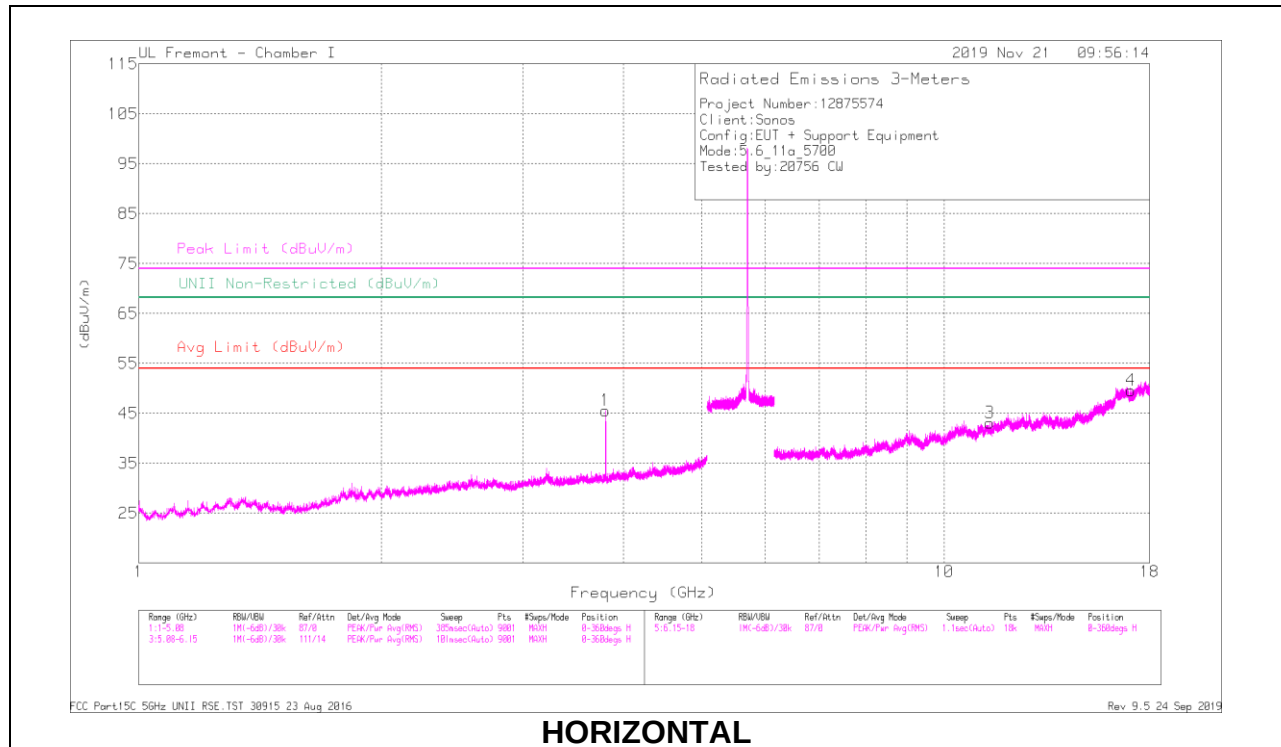
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp/Ch/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unli Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.71999	44.02	PK-U	33	-32	45.02	-	-	74	-28.98	-	-	155	110	H
	* 3.71997	40.58	ADR	33	-32	41.58	54	-12.42	-	-	-	-	155	110	H
2	* 3.71995	41.76	PK-U	33	-32	42.76	-	-	74	-31.24	-	-	270	181	V
	* 3.71998	36.03	ADR	33	-32	37.03	54	-16.97	-	-	-	-	270	181	V
3	* 11.15416	29.89	PK-U	38	-21.3	46.59	-	-	74	-27.41	-	-	118	155	H
	* 11.15258	20.51	ADR	38	-21.3	37.21	54	-16.79	-	-	-	-	118	155	H
4	16.72482	28.13	PK-U	41	-17	52.13	-	-	-	-	68.2	-16.07	239	190	H
5	* 11.15734	32.76	PK-U	38	-21.3	49.46	-	-	74	-24.54	-	-	243	232	V
	* 11.15818	21.05	ADR	38	-21.3	37.75	54	-16.25	-	-	-	-	243	232	V
6	16.70793	28.81	PK-U	41	-16.9	52.91	-	-	-	-	68.2	-15.29	338	310	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



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBμV)	Det	AF T862 (dBm)	Amp/Cable/Filter Pad (dB)	Corrected Reading (dBμV/m)	Avg Limit (dBμV/m)	Margin (dB)	Peak Limit (dBμV/m)	PK Margin (dB)	Unli Non-Restricted (dBμV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.79995	42.73	PK-U	33	-28.1	47.63	-	-	74	-26.37	-	-	41	167	H
	* 3.79999	39.88	ADR	33	-28.1	44.78	54	-9.22	-	-	-	-	41	167	H
2	* 3.79996	38.55	PK-U	33	-28.1	43.45	-	-	74	-30.55	-	-	346	136	V
	* 3.79998	32.49	ADR	33	-28.1	37.39	54	-16.61	-	-	-	-	346	136	V
3	* 11.40215	26.84	PK-U	38.1	-15.4	49.54	-	-	74	-24.46	-	-	4	251	H
	* 11.40119	16.9	ADR	38.1	-15.4	39.6	54	-14.4	-	-	-	-	4	251	H
4	17.07819	24.92	PK-U	41.1	-10	56.02	-	-	-	-	68.2	-12.18	206	178	H
5	* 11.36937	27.5	PK-U	38.1	-15.9	49.7	-	-	74	-24.3	-	-	292	115	V
	* 11.37059	17.84	ADR	38.1	-15.8	40.14	54	-13.86	-	-	-	-	292	115	V
6	17.04084	25.15	PK-U	41.1	-10.2	56.05	-	-	-	-	68.2	-12.15	230	272	V

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

PK-U - U-NII: Maximum Peak

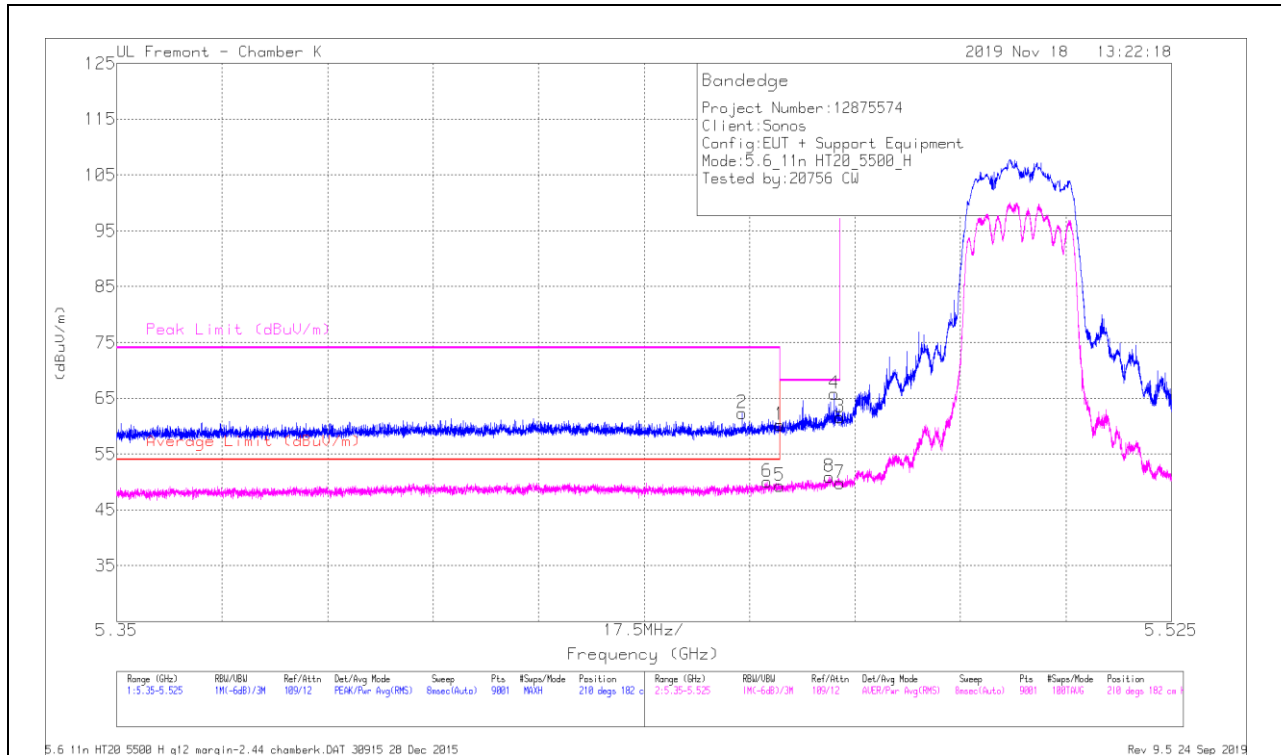
ADR - U-NII AD primary method, RMS average

9.1.6. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND

4TX Antenna 1 + Antenna 2 + Antenna 3 + Antenna 4 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



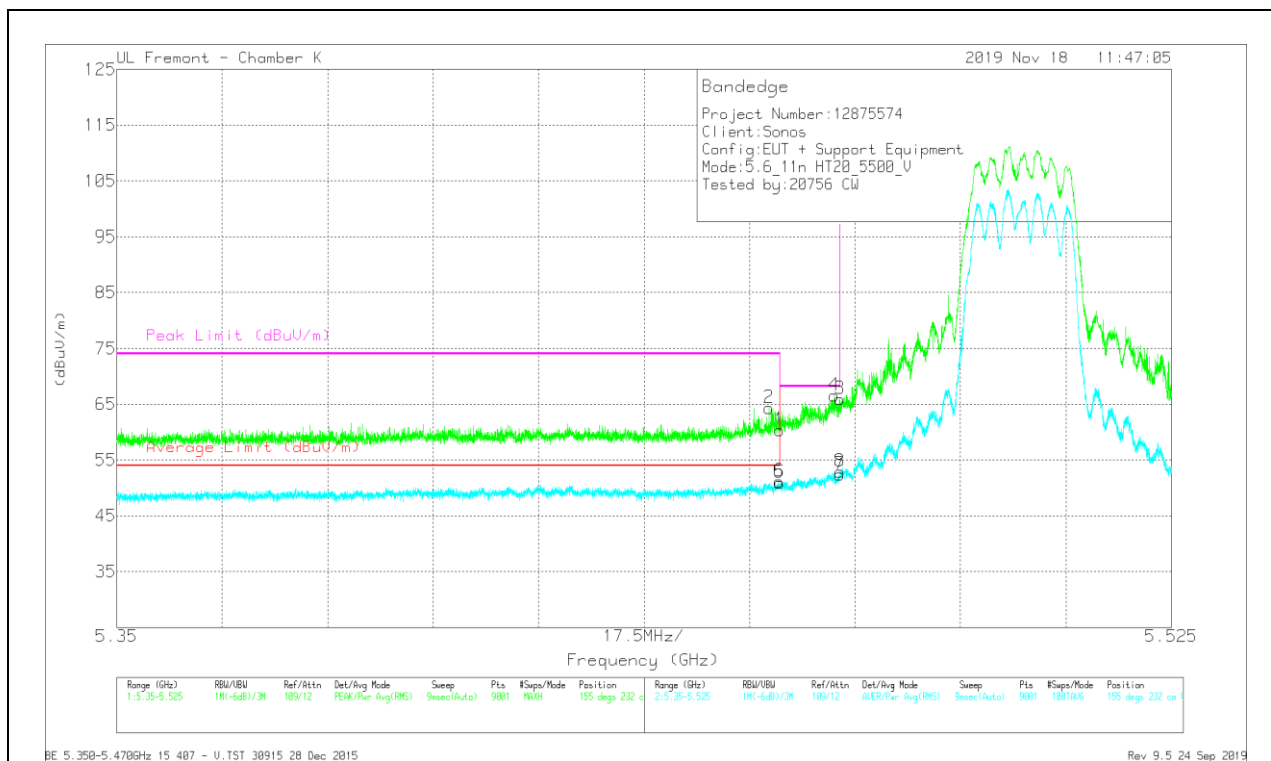
Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	AF EMC4254 (dBm)	Ampl(CM/FIR)Pad (dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	33.26	Pk	34.5	-7.5	0	62.26	-	-	74	-13.74	210	182	H
2	* 5.45373	35.57	Pk	34.4	-7.6	0	62.37	-	-	74	-11.63	210	182	H
3	5.46999	34.57	Pk	34.5	-7.5	0	61.57	-	-	68.2	-6.63	210	182	H
4	5.46906	38.76	Pk	34.5	-7.5	0	65.76	-	-	68.2	-2.44	210	182	H
5	* 5.45999	22.15	RMS	34.5	-7.5	.1	49.25	54	-4.75	-	-	210	182	H
6	* 5.45788	22.98	RMS	34.5	-7.5	.1	50.08	54	-3.92	-	-	210	182	H
7	5.46999	22.72	RMS	34.5	-7.5	.1	49.92	-	-	-	-	210	182	H
8	5.46824	23.83	RMS	34.5	-7.5	.1	50.93	-	-	-	-	210	182	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp CMFIR/Pat (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	33.3	Pk	34.5	-7.5	0	60.3	-	-	74	-13.7	155	232	V
2	* 5.45826	37.3	Pk	34.5	-7.5	0	64.3	-	-	74	-9.7	155	232	V
3	5.46999	38.89	Pk	34.5	-7.5	0	65.89	-	-	68.2	-2.31	155	232	V
4	5.46908	39.5	Pk	34.5	-7.5	0	66.5	-	-	68.2	-1.7	155	232	V
5	* 5.45999	23.76	RMS	34.5	-7.5	.1	50.86	54	-3.14	-	-	155	232	V
6	* 5.4599	24.05	RMS	34.5	-7.5	.1	51.15	54	-2.85	-	-	155	232	V
7	5.46999	25.3	RMS	34.5	-7.5	.1	52.4	-	-	-	-	155	232	V
8	5.46997	25.8	RMS	34.5	-7.5	.1	52.9	-	-	-	-	155	232	V

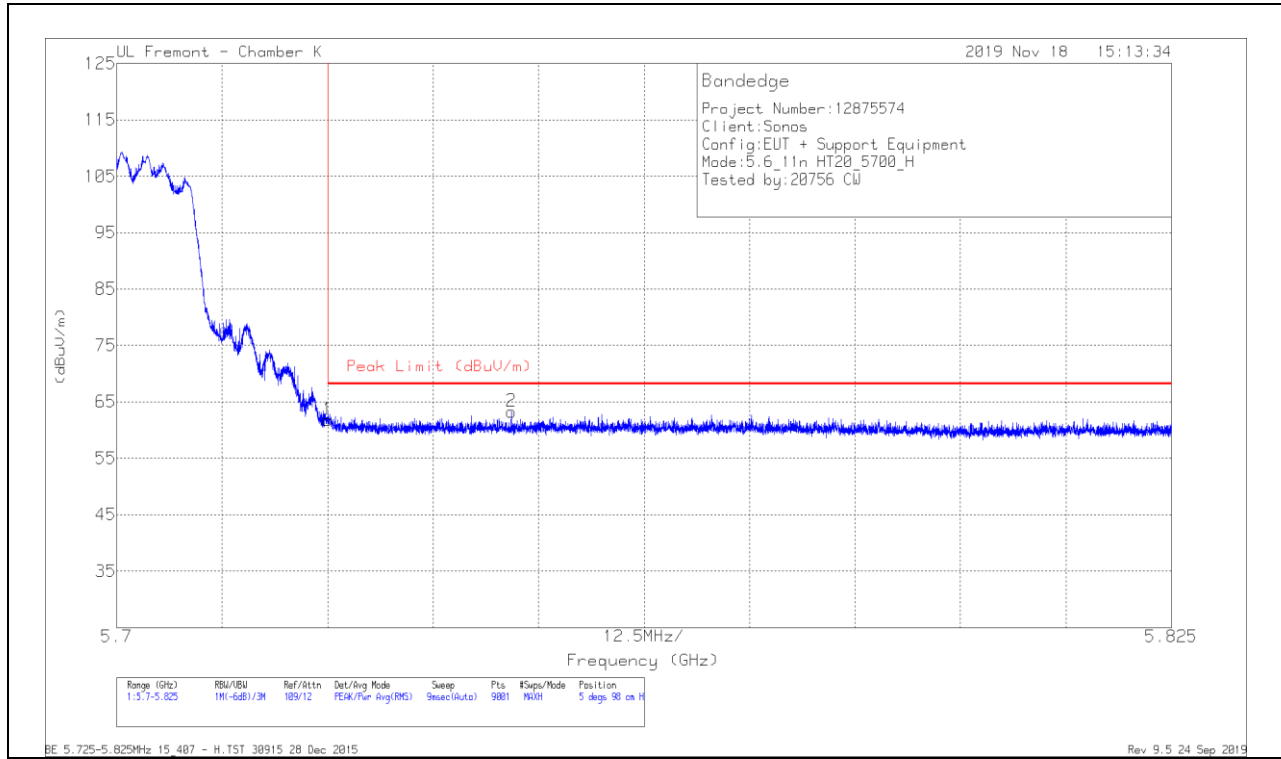
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

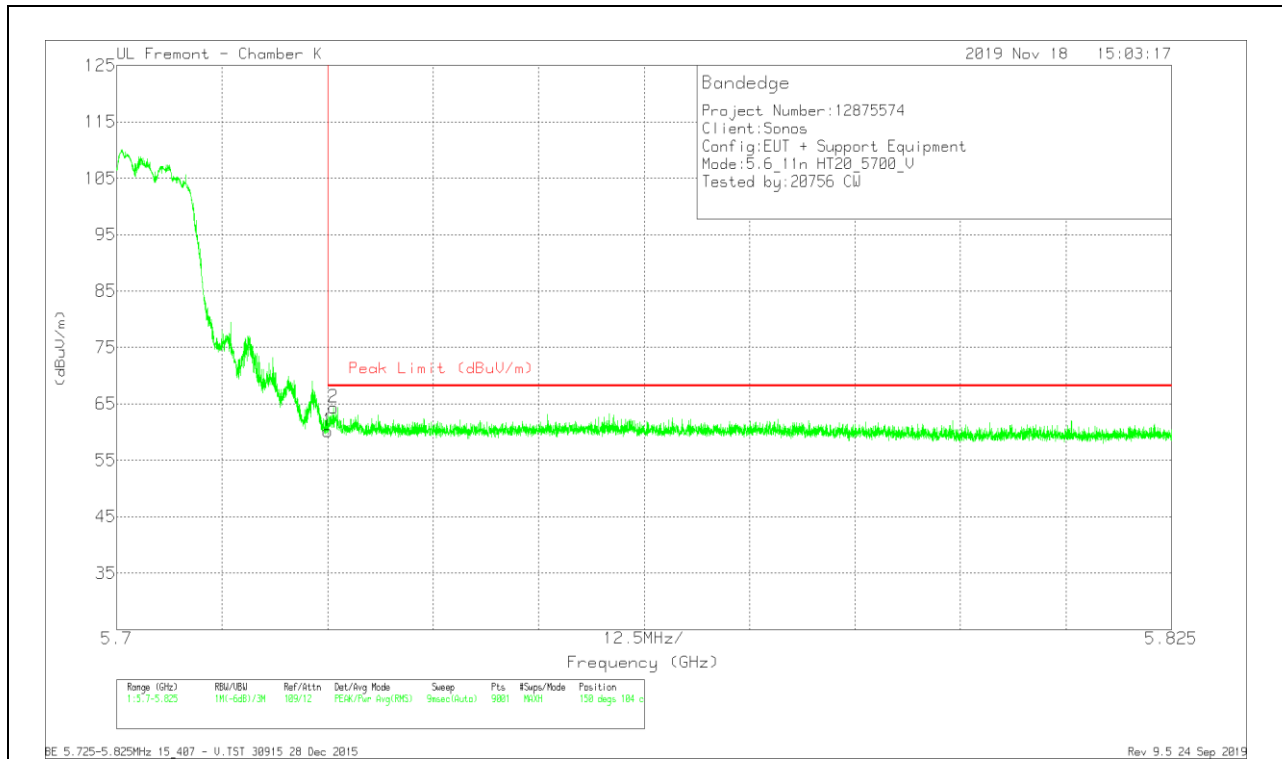
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	34.33	Pk	34.8	-7.3	61.83	68.2	-6.37	5	98	H
2	5.74676	35.63	Pk	34.9	-7.3	63.23	68.2	-4.97	5	98	H

Pk - Peak detector

VERTICAL RESULT

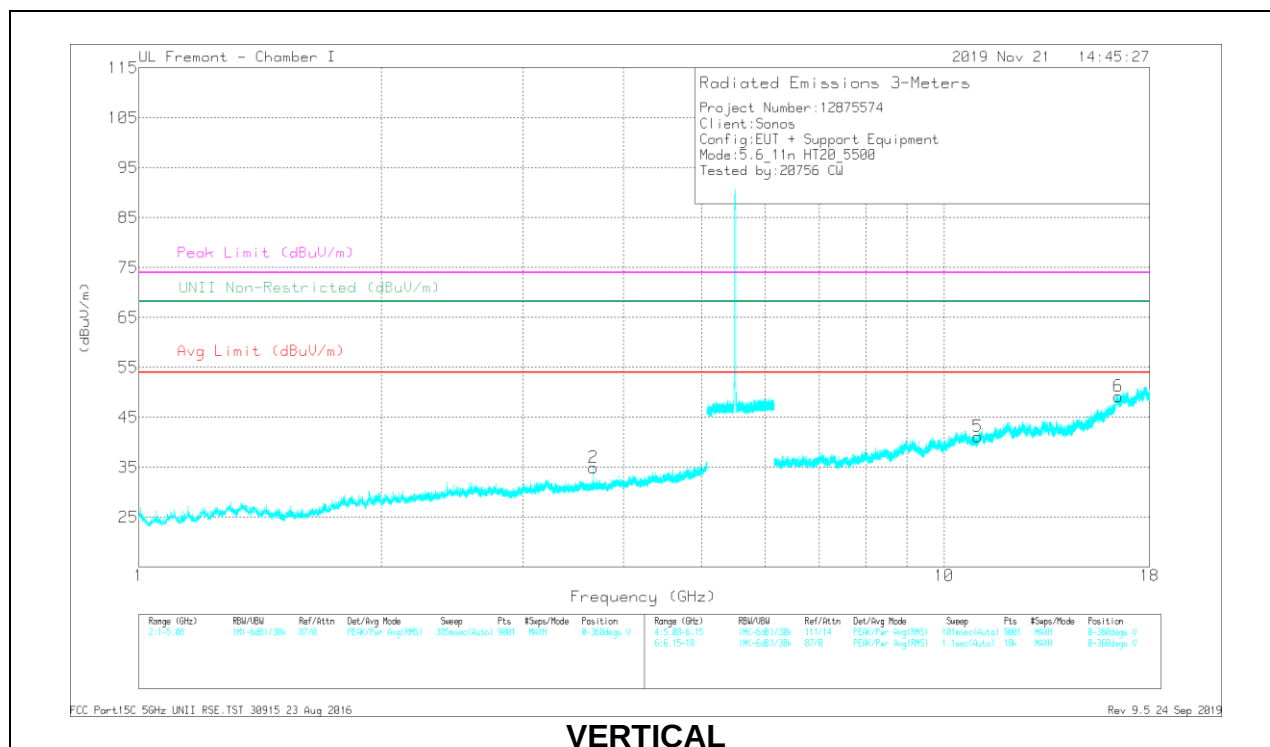
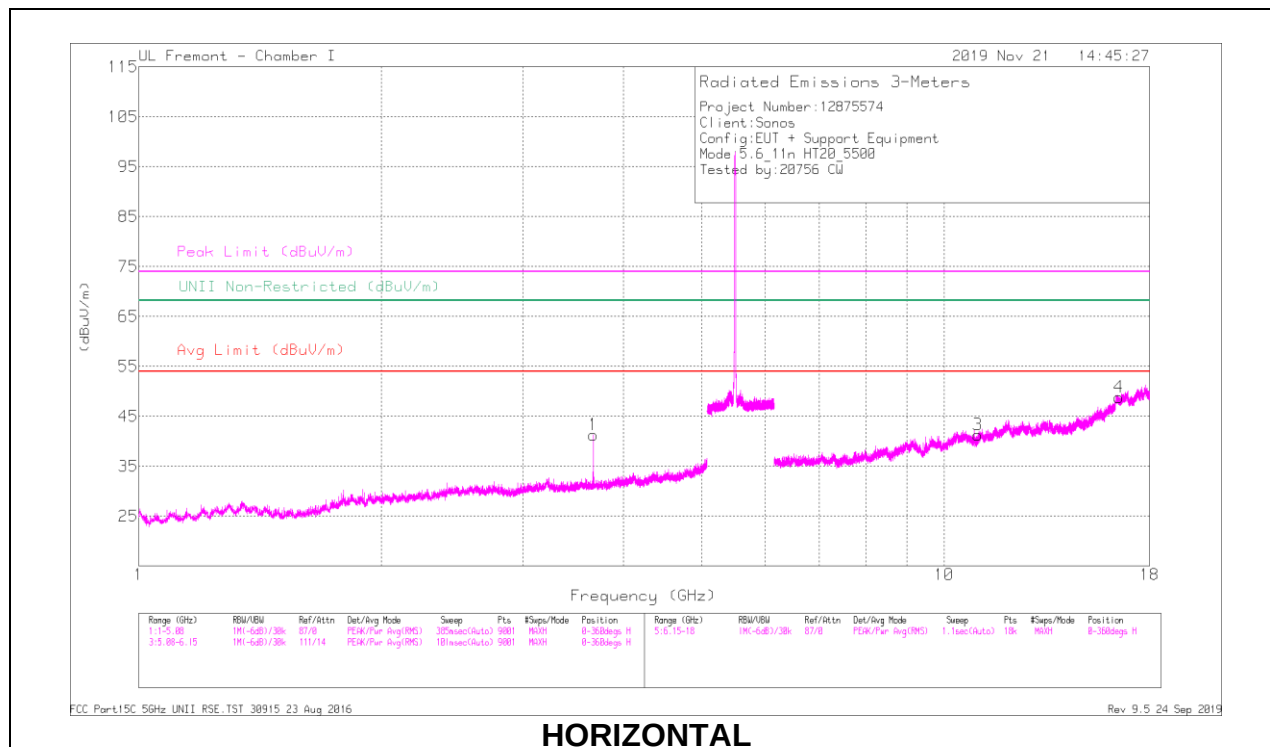


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Ampl/Cbll/Filtr/PA d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	32.64	Pk	34.8	-7.3	0	60.14	68.2	-8.06	150	104	V
2	5.72572	36.87	Pk	34.8	-7.3	0	64.37	68.2	-3.83	150	104	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

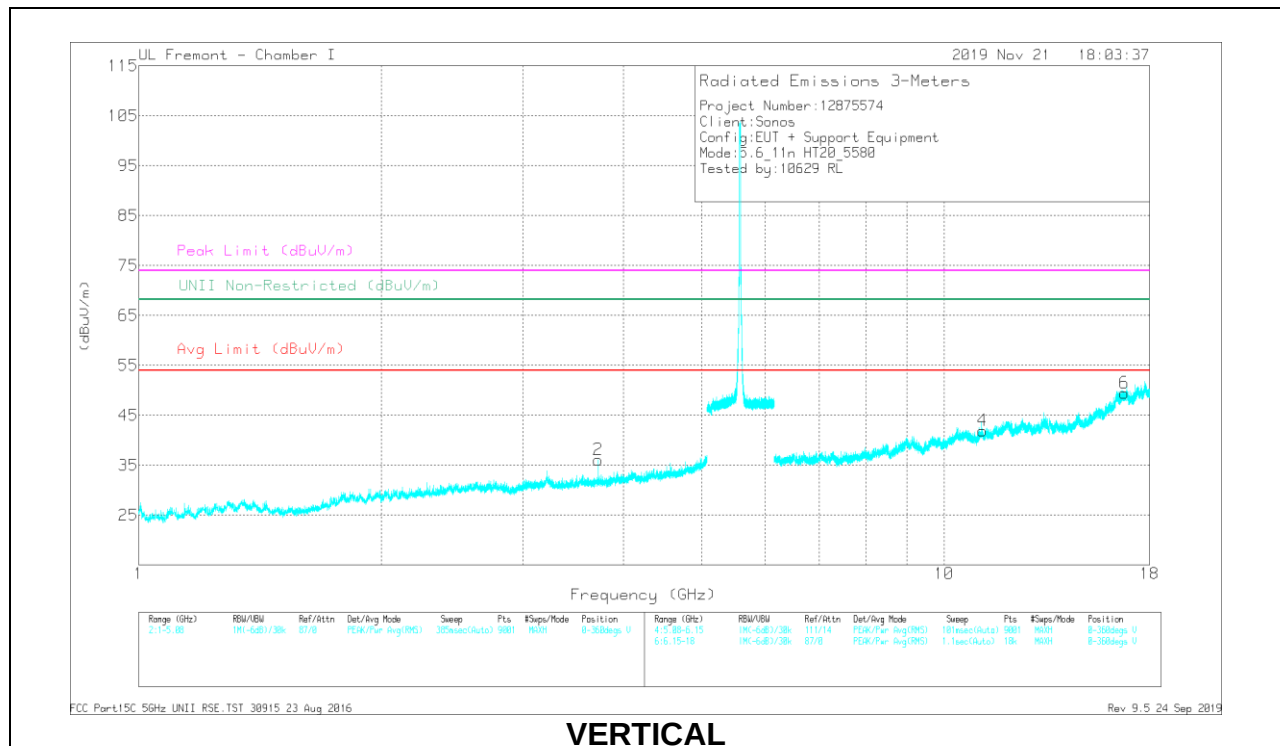
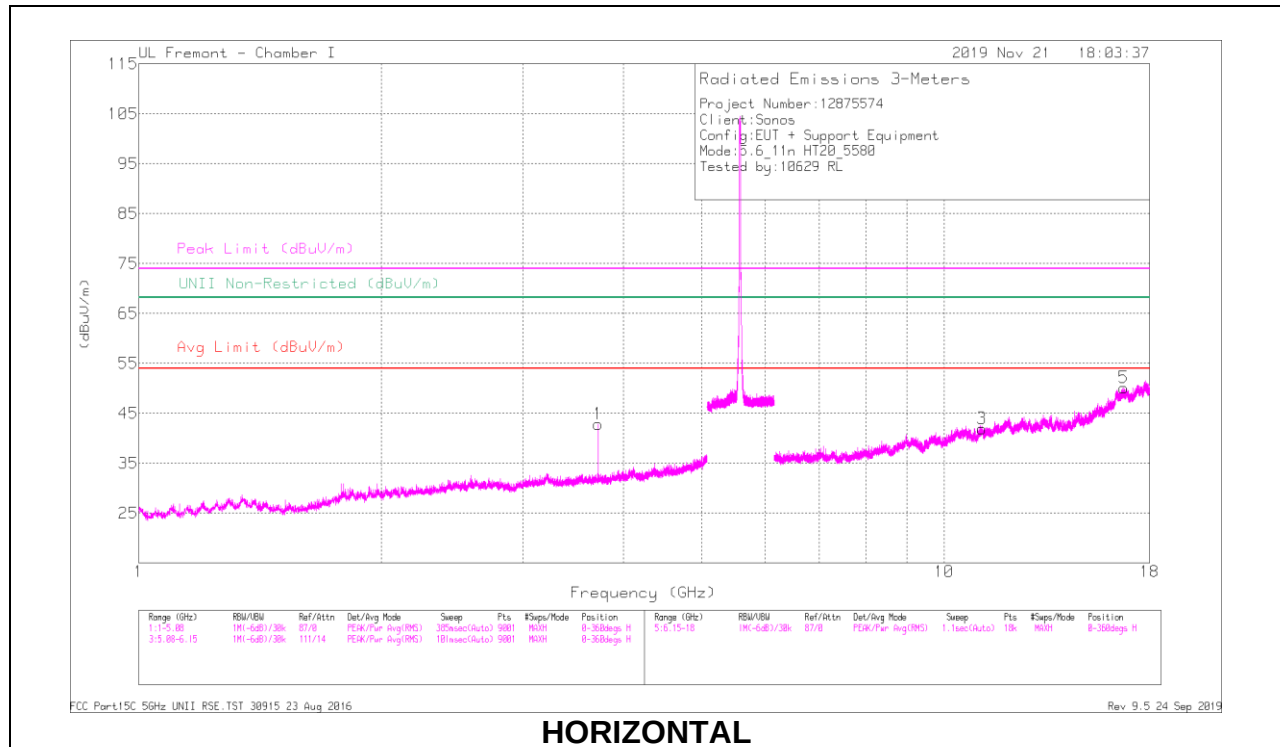
Marker	Frequency (GHz)	Meas Reading (dBm)	Det	AF 1582 (dBm)	AmpCMRHPad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	UNE Non-Restricted (dBm)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
1	* 3.66655	40.6	PK-U	32.9	-27.7	0	45.3	-	-	74	-28.2	-	-	31	110	H
	* 3.66655	38.46	ADR	32.9	-27.7	1	41.76	54	-12.24	-	-	-	-	31	110	H
2	* 3.66653	37.5	PK-U	32.9	-27.7	0	42.7	-	-	74	-31.3	-	-	209	111	V
	* 3.66655	30.43	ADR	32.9	-27.7	1	35.73	54	-18.27	-	-	-	-	209	111	V
3	16.49731	26.12	PK-U	41.2	-11.4	0	35.92	-	-	-	-	68.2	-12.28	36	182	H
4	* 11.00448	26.67	PK-U	37.8	-16.1	0	48.37	-	-	74	-25.63	-	-	246	238	H
	* 11.00448	16.73	ADR	37.8	-16.1	1	38.53	54	-15.47	-	-	-	-	246	238	H
5	* 11.00561	26.95	PK-U	37.8	-16.2	0	48.55	-	-	74	-25.45	-	-	36	338	V
	* 11.00552	17.08	ADR	37.8	-16.2	1	38.78	54	-15.22	-	-	-	-	36	338	V
6	16.4636	26.57	PK-U	41.2	-11.6	0	36.17	-	-	-	-	68.2	-12.03	40	177	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



RADIATED EMISSIONS

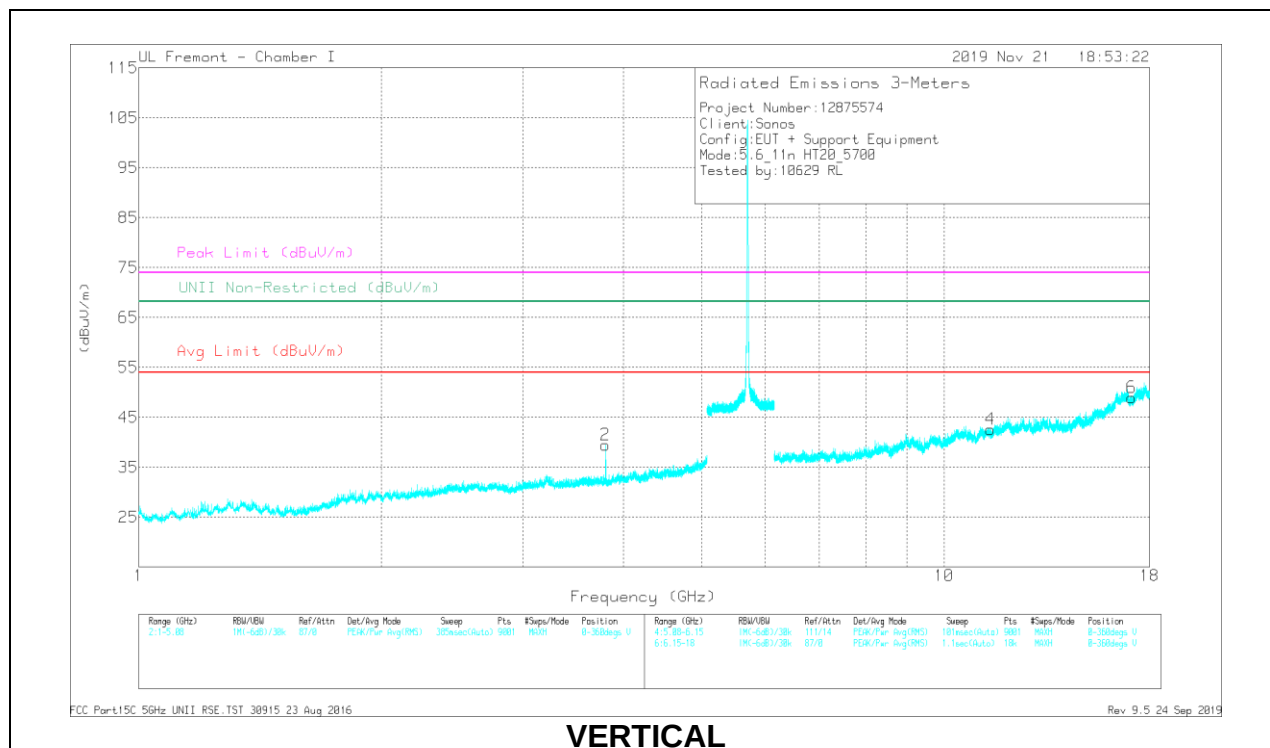
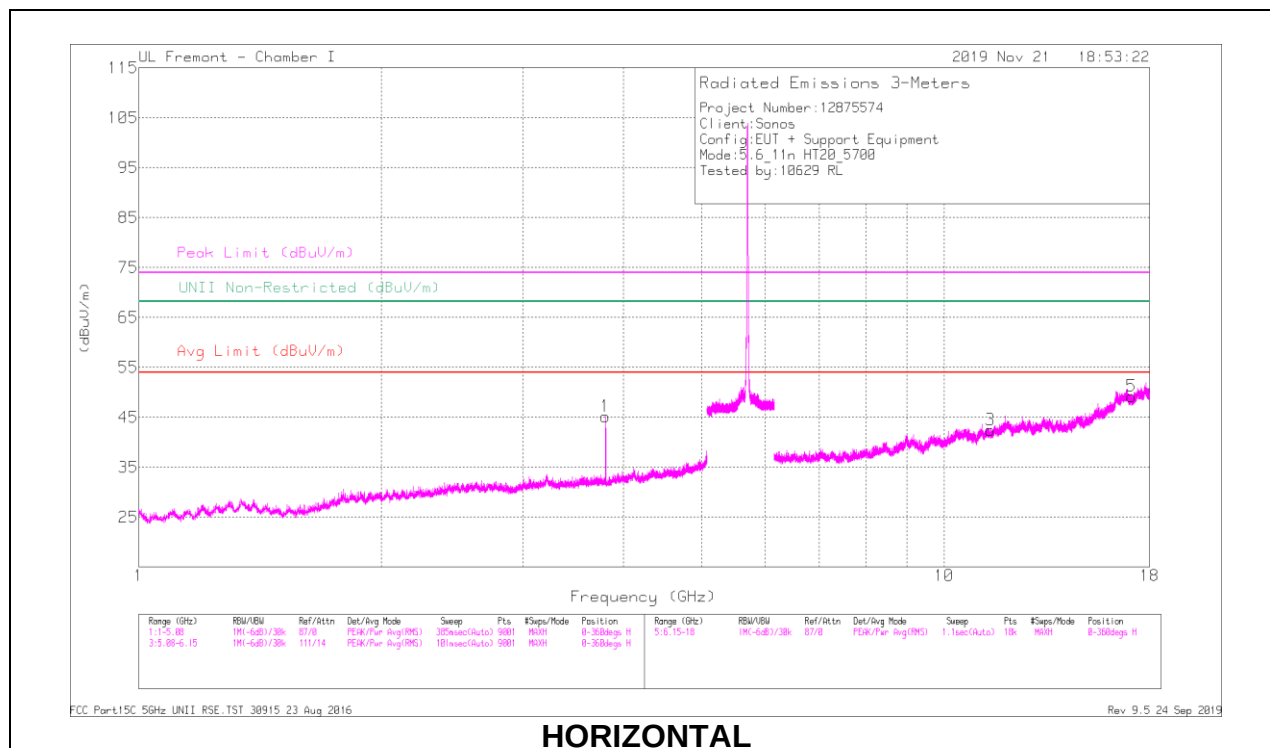
Frequency (MHz)	Meas Reading (dBuV/m)	Det	AF 182 (dBm)	Ampl/Chassis/Feed (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
* 3.71994	40.51	PK-U	32.9	-27.5	0	45.31	-	-	74	-28.09	-	-	32	121	H
* 3.71998	37.02	ADR	32.9	-27.5	1	42.52	54	-11.48	-	-	-	-	32	121	H
* 3.71979	38	PK-U	32.9	-27.5	0	43.4	-	-	74	-30.6	-	-	142	166	V
* 3.71998	31.97	ADR	32.9	-27.5	1	37.47	54	-16.53	-	-	-	-	142	166	V
* 11.15327	29.11	PK-U	37.9	-15.8	0	51.21	-	-	74	-22.79	-	-	86	378	H
* 11.14206	18.1	ADR	37.9	-15.8	1	40.3	54	-13.7	-	-	-	-	86	378	H
16.74953	28.72	PK-U	41.4	-11.3	0	58.82	-	-	-	-	68.2	-9.38	311	199	H
* 11.15341	30.35	PK-U	37.9	-15.8	0	52.45	-	-	74	-21.55	-	-	270	390	V
* 11.14783	19.49	ADR	37.9	-15.7	1	40.79	54	-13.21	-	-	-	-	270	390	V
16.73343	28.84	PK-U	41.4	-11.3	0	58.94	-	-	-	-	68.2	-9.26	41	397	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



RADIATED EMISSIONS

Frequency (MHz)	Meas Reading (dBuV/m)	Det	AF 18d2 (dBm)	Ampl/Clamp/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
* 3.79997	42.46	PK-U	33	-28.1	0	47.36	-	-	74	-26.64	-	-	31	197	H
* 3.79997	39.35	ADR	33	-28.1	1	44.35	54	-9.65	-	-	-	-	31	197	H
* 3.79997	38.86	PK-U	33	-28.1	0	43.76	-	-	74	-30.24	-	-	240	193	V
* 3.79997	33.12	ADR	33	-28.1	1	38.12	54	-15.88	-	-	-	-	240	193	V
* 11.40353	29.36	PK-U	38.1	-15.4	0	32.06	-	-	74	-21.94	-	-	194	284	H
* 11.39972	17.74	ADR	38.1	-15.4	1	40.54	54	-13.46	-	-	-	-	194	284	H
17.11062	28.09	PK-U	41	-10.3	0	58.79	-	-	-	-	68.2	-9.41	49	375	H
* 11.40367	29.28	PK-U	38.1	-15.4	0	51.98	-	-	74	-22.02	-	-	275	390	V
* 11.39969	17.73	ADR	38.1	-15.4	1	40.53	54	-13.47	-	-	-	-	275	390	V
17.12006	27.8	PK-U	40.9	-10.2	0	58.5	-	-	-	-	68.2	-9.7	21	314	V

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

PK-U - U-NII: Maximum Peak

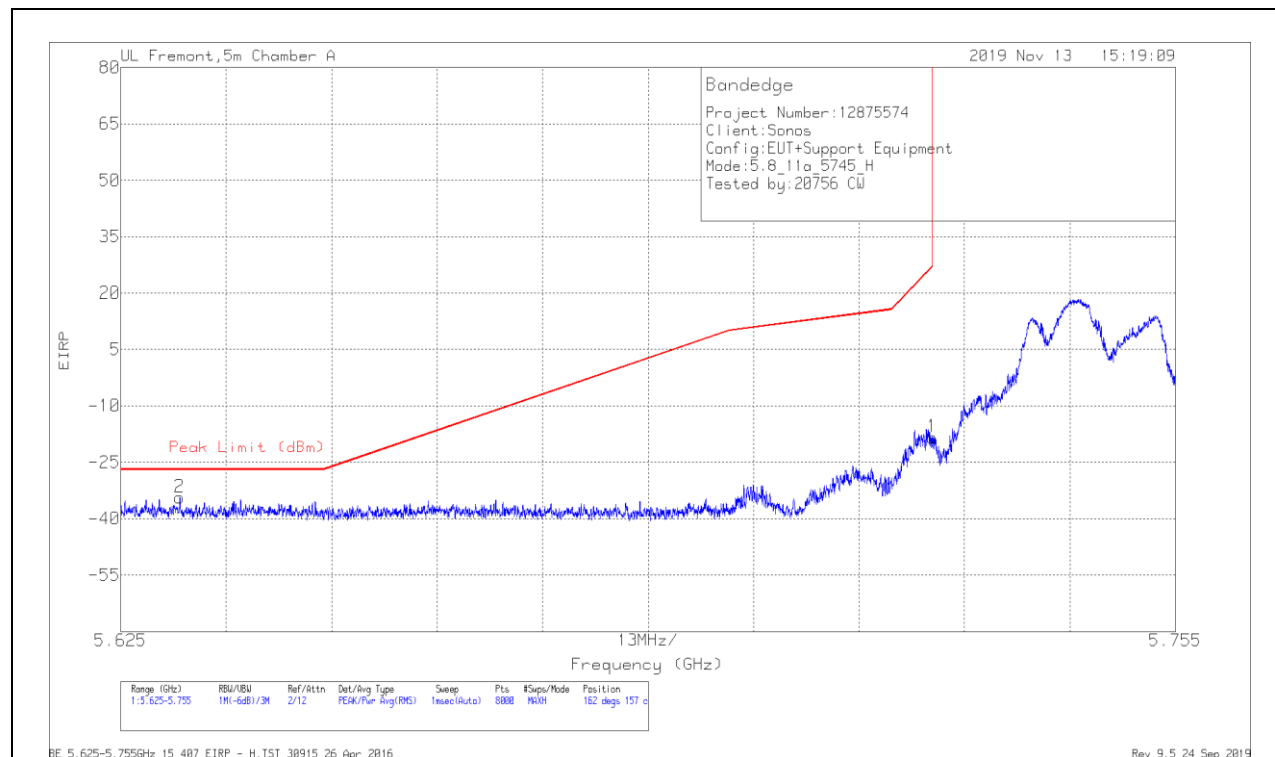
ADR - U-NII AD primary method, RMS average

9.1.7. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND

4TX Antenna 1 + Antenna 2 + Antenna 3 + Antenna 4 CDD MODE

BANDEDGE (LOW CHANNEL)

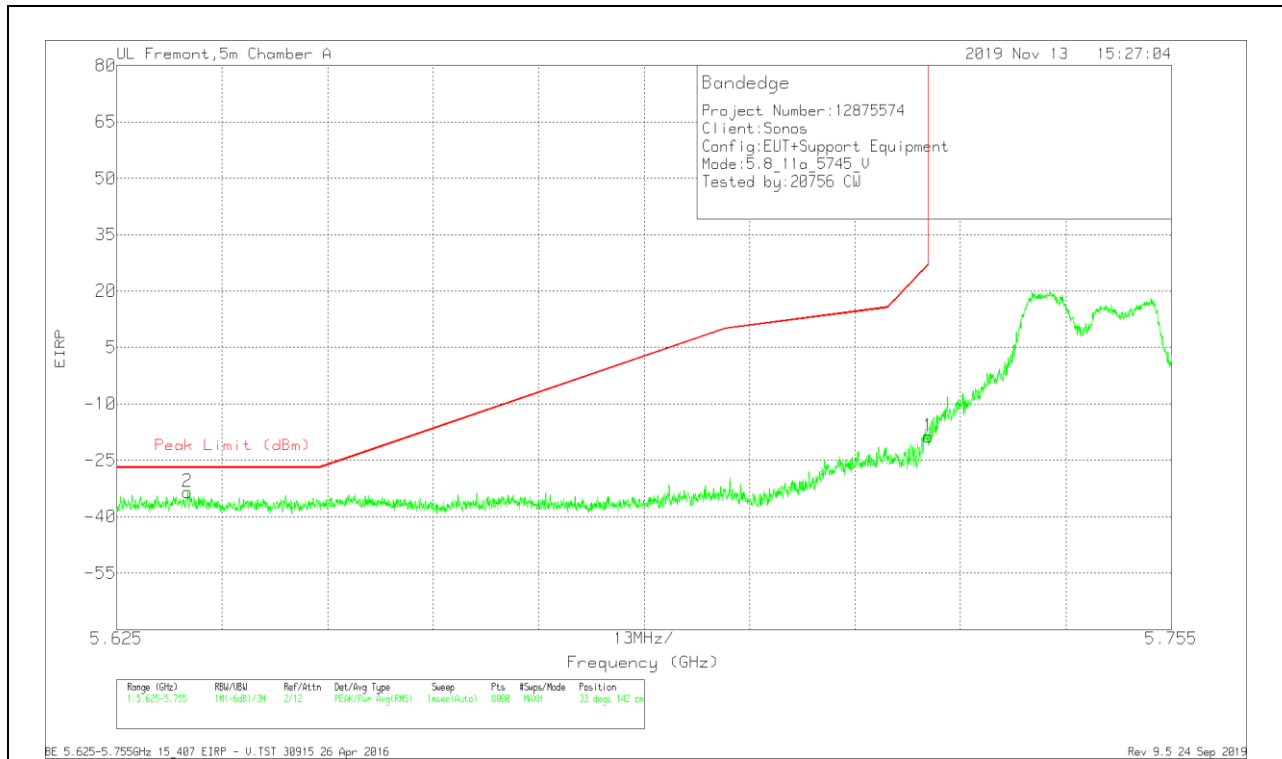
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/CbllFtr/Pa d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63228	-64.03	Pk	34.8	-17	11.8	-34.43	-27	-7.43	162	157	H
1	5.725	-48	Pk	34.9	-17	11.8	-18.3	27	-45.3	162	157	H

Pk - Peak detector

VERTICAL RESULT

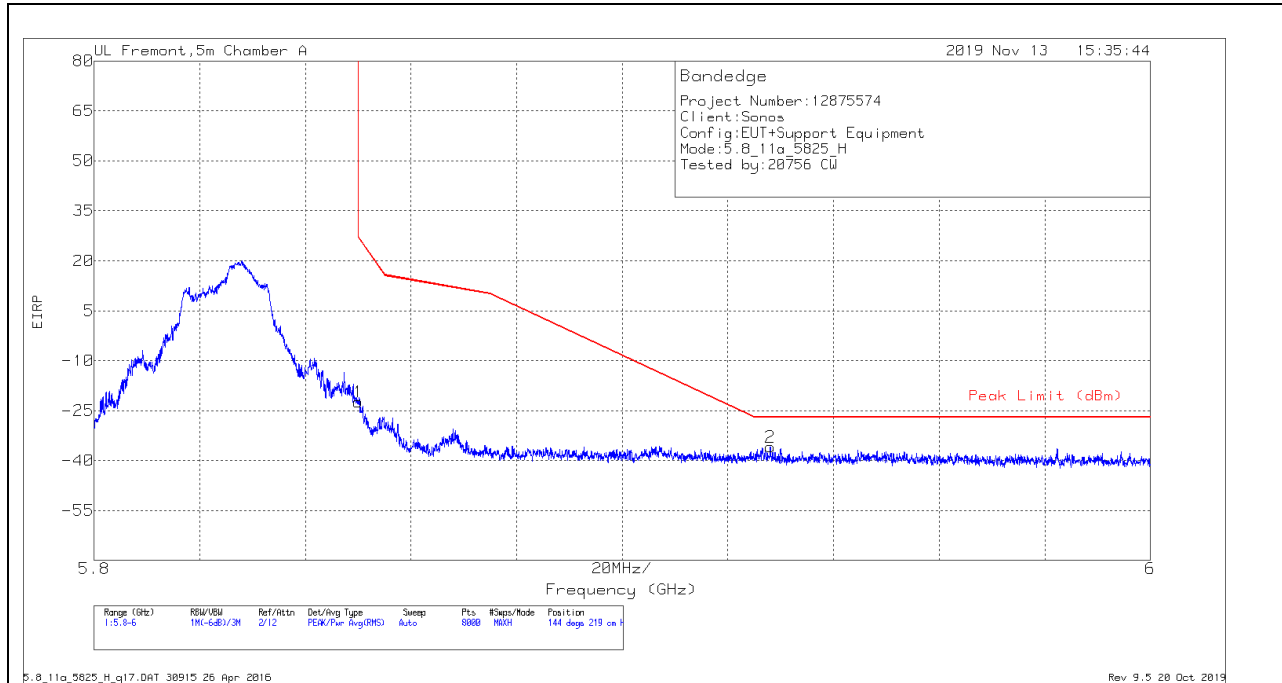


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	AmplCbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63374	-62.99	Pk	34.8	-17.1	11.8	-33.49	-27	-6.49	33	142	V
1	5.725	-48.33	Pk	34.9	-17	11.8	-18.63	27	-45.63	33	142	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

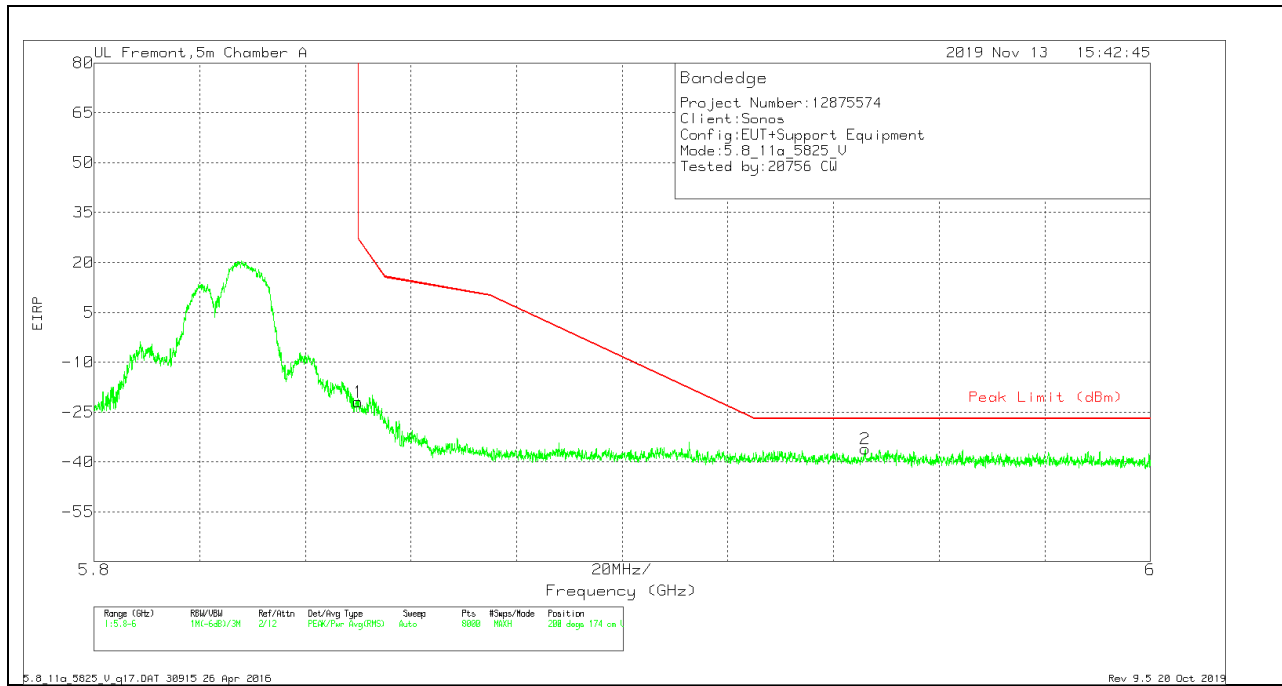
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/CbI/Filt/Pa d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-51.83	Pk	35.1	-17.4	11.8	-22.33	26.99	-49.32	144	219	H
2	5.92802	-65.21	Pk	35.3	-17.8	11.8	-35.91	-27	-8.91	144	219	H

Pk - Peak detector

VERTICAL RESULT

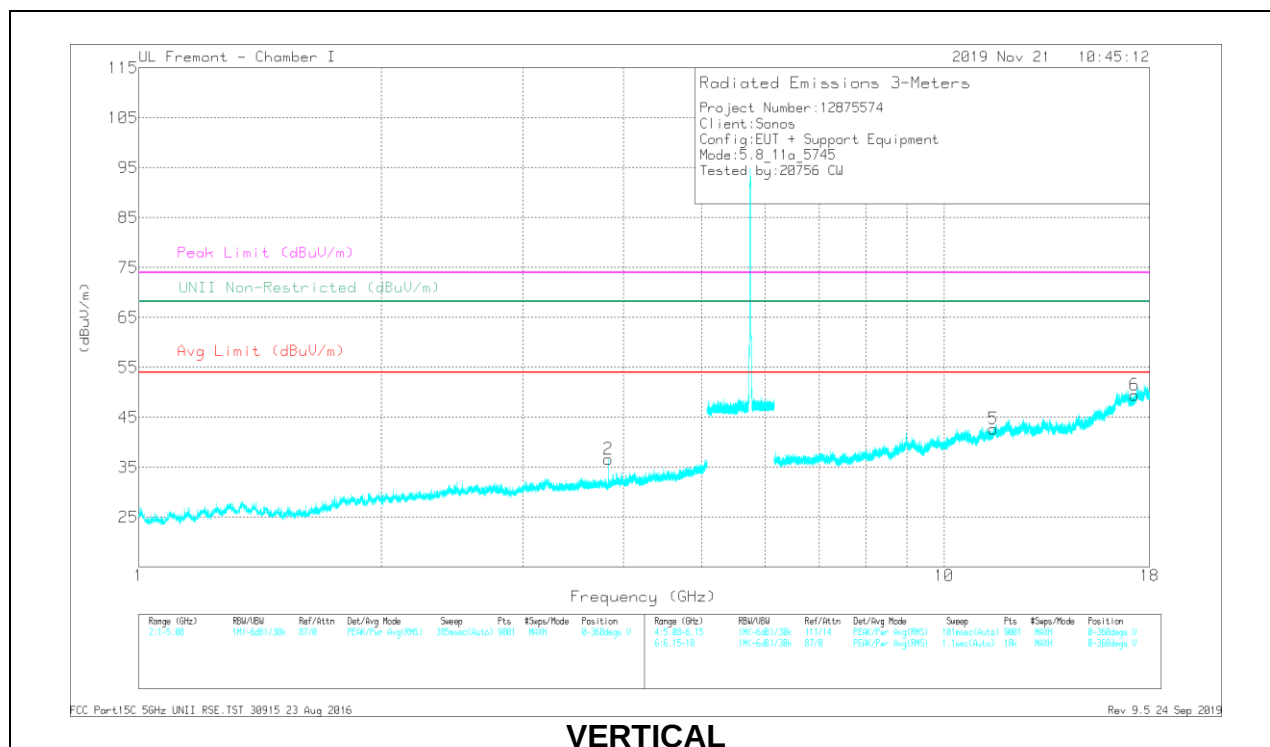
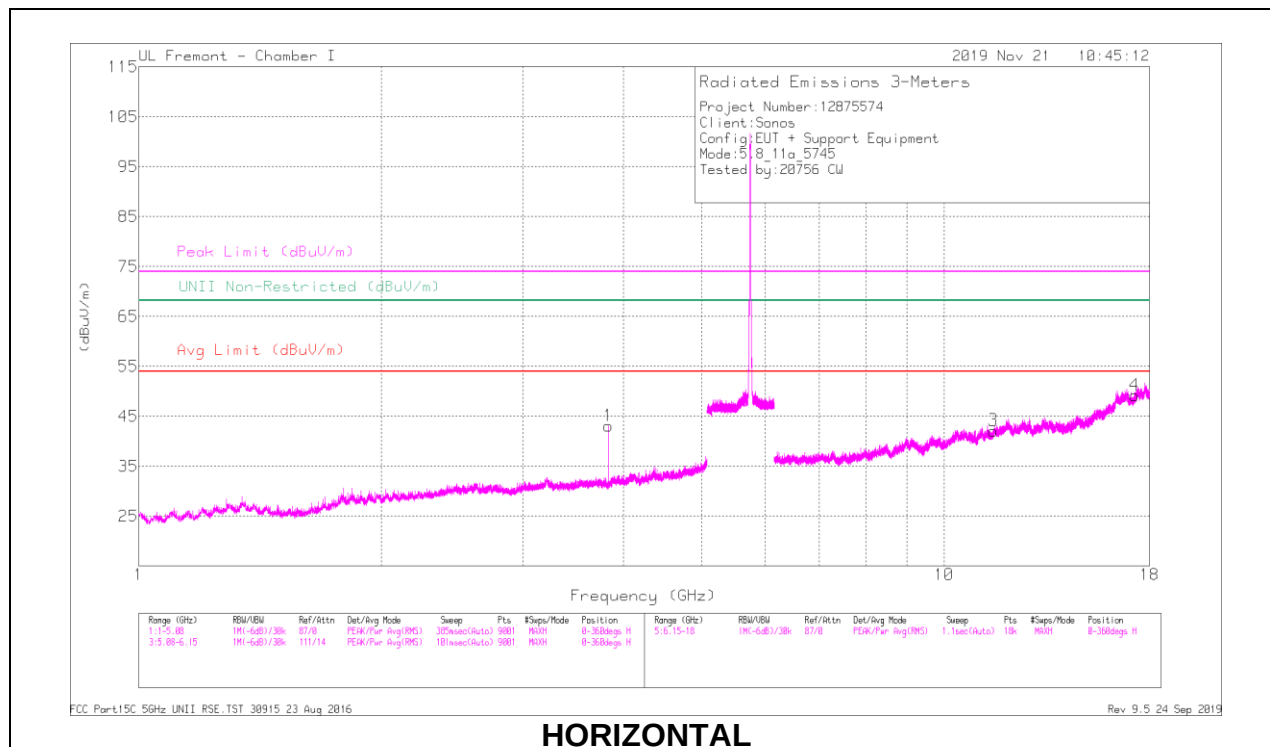


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-51.46	Pk	35.1	-17.4	11.8	-21.96	26.99	-48.95	200	174	V
2	5.94602	-65.25	Pk	35.4	-18	11.8	-36.05	-27	-9.05	200	174	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

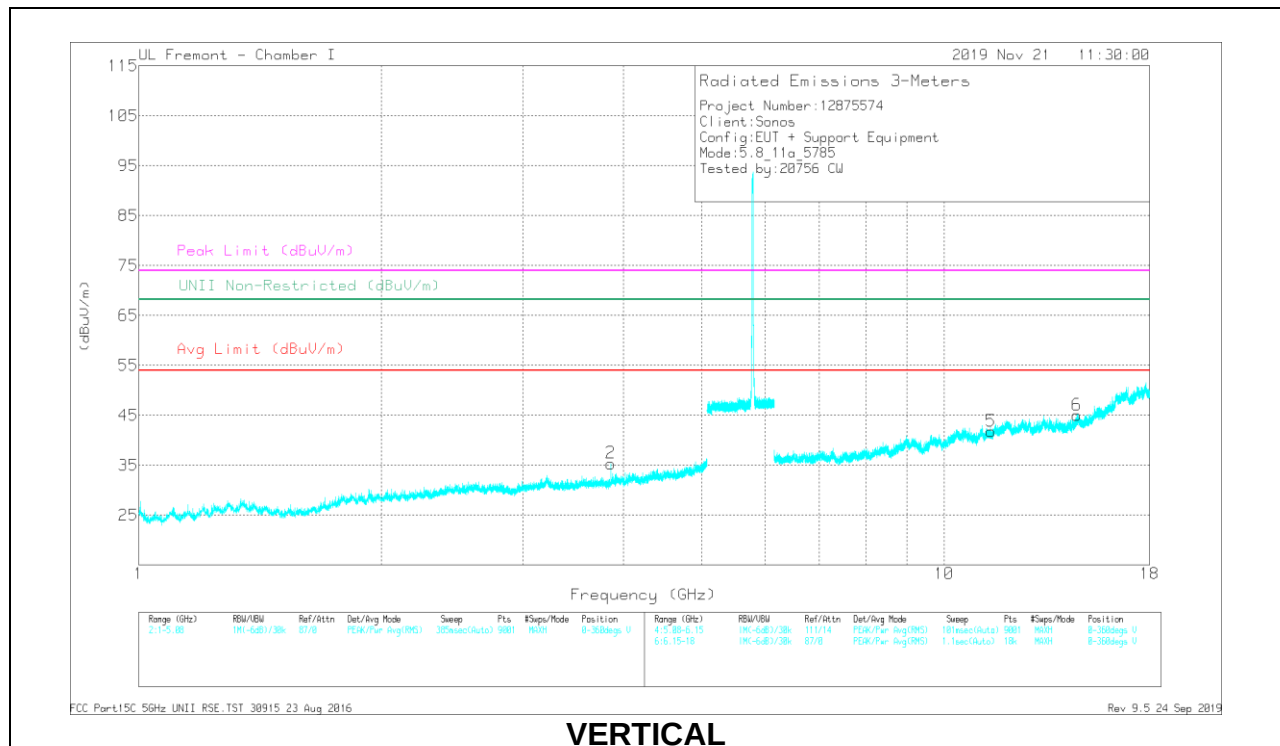
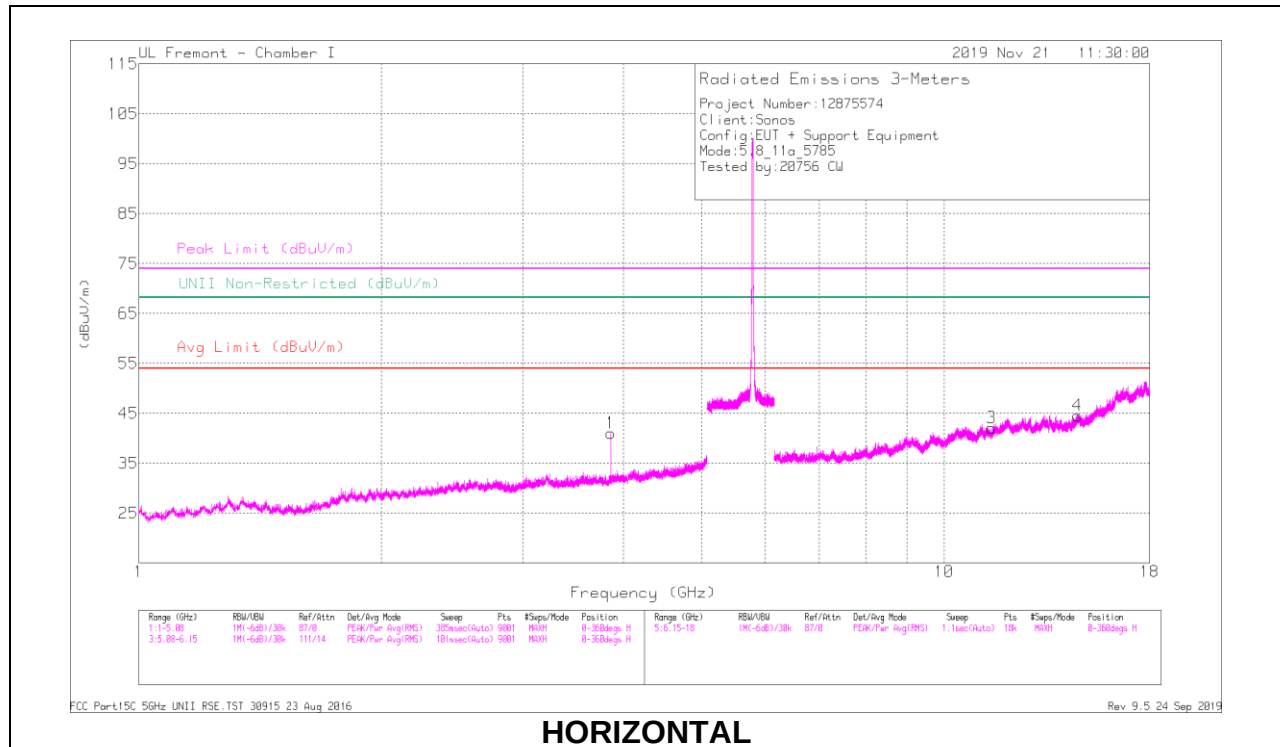
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cable/Fit/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unli Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.82994	41.85	PK-U	32.9	-28.2	46.55	-	-	74	-27.45	-	-	39	165	H
	* 3.82998	38.32	ADR	32.9	-28.2	43.02	54	-10.98	-	-	-	-	39	165	H
2	* 3.83001	37.49	PK-U	32.9	-28.2	42.19	-	-	74	-31.81	-	-	57	103	V
	* 3.82997	31.08	ADR	32.9	-28.2	35.78	54	-18.22	-	-	-	-	57	103	V
3	* 11.507	27.88	PK-U	38.3	-16.1	50.08	-	-	74	-23.92	-	-	171	148	H
	* 11.50821	16.97	ADR	38.2	-16.1	39.07	54	-14.93	-	-	-	-	171	148	H
4	17.23975	26.27	PK-U	41	-10.4	56.87	-	-	-	-	68.2	-11.33	62	148	H
5	* 11.51971	27.27	PK-U	38.2	-16.1	49.37	-	-	74	-24.63	-	-	227	240	V
	* 11.52019	17.62	ADR	38.2	-16.1	39.72	54	-14.28	-	-	-	-	227	240	V
6	17.24119	25.64	PK-U	41	-10.5	56.14	-	-	-	-	68.2	-12.06	164	201	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



RADIATED EMISSIONS

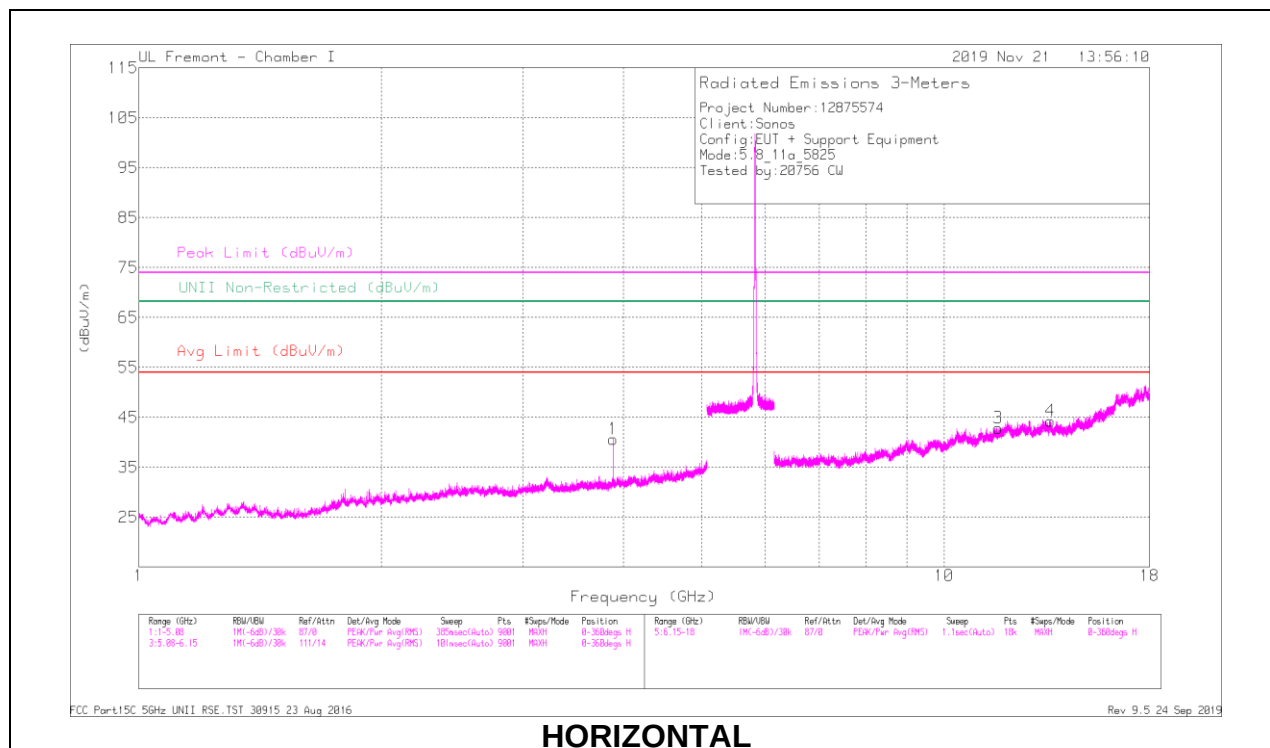
Marker	Frequency (GHz)	Meas Reading (dBμV)	Det	AF T82 (dBm)	Amp CUI Filter Pad (dB)	Corrected Reading (dBμV/m)	Avg Limit (dBμV/m)	Margin (dB)	Peak Limit (dBμV/m)	PK Margin (dB)	Unli Non-Restricted (dBμV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.85662	39.44	PK-U	33.1	-27.8	44.74	-	-	74	-29.26	-	-	44	111	H
	* 3.85664	35.02	ADR	33.1	-27.8	40.32	54	-13.68	-	-	-	-	44	111	H
2	* 3.85659	37.32	PK-U	33.1	-27.8	42.62	-	-	74	-31.38	-	-	331	101	V
	* 3.85662	29.13	ADR	33.1	-27.8	34.43	54	-19.57	-	-	-	-	331	101	V
3	* 11.45823	27.33	PK-U	38.2	-15.8	49.73	-	-	74	-24.27	-	-	264	352	H
	* 11.4607	17.45	ADR	38.1	-15.8	39.75	54	-14.25	-	-	-	-	264	352	H
4	14.65211	26.66	PK-U	40	-15.5	51.16	-	-	-	-	68.2	-17.04	329	118	H
5	* 11.43894	26.99	PK-U	38.1	-15.7	49.39	-	-	74	-24.61	-	-	48	102	V
	* 11.4378	17.05	ADR	38.1	-15.6	39.55	54	-14.45	-	-	-	-	48	102	V
6	14.61616	26.92	PK-U	40	-15.4	51.52	-	-	-	-	68.2	-16.68	199	137	V

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

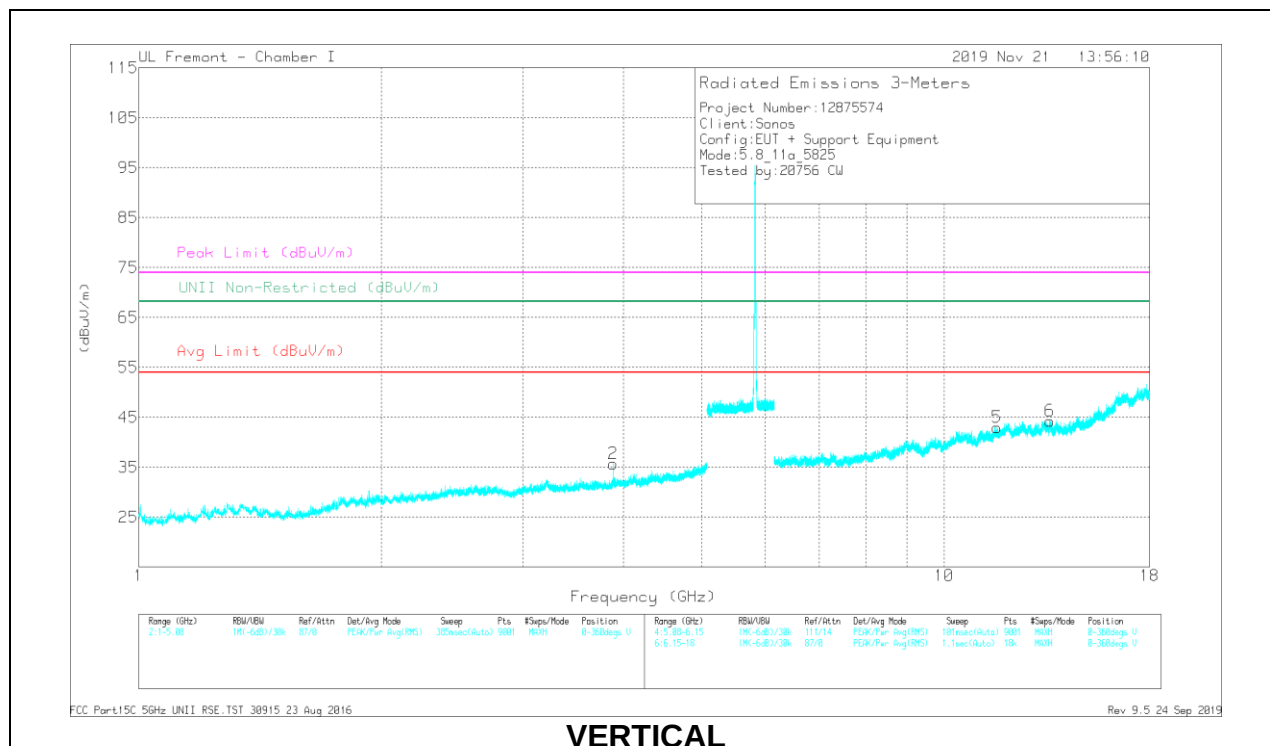
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBμV)	Det	AF T862 (dBm)	Amp/Cable/Filter Pad (dB)	Corrected Reading (dBμV/m)	Avg Limit (dBμV/m)	Margin (dB)	Peak Limit (dBμV/m)	PK Margin (dB)	Unli Non-Restricted (dBμV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.88333	38.43	PK-U	33.1	-27.1	44.43	-	-	74	-29.57	-	-	44	142	H
	* 3.88332	34.26	ADR	33.1	-27.1	40.26	54	-13.74	-	-	-	-	44	142	H
2	* 3.88315	36.2	PK-U	33.1	-27.1	42.2	-	-	74	-31.8	-	-	324	101	V
	* 3.88329	28.17	ADR	33.1	-27.1	34.17	54	-19.83	-	-	-	-	324	101	V
3	* 11.66523	26.76	PK-U	38.4	-16.1	49.06	-	-	74	-24.94	-	-	251	133	H
	* 11.66572	17.01	ADR	38.4	-16.1	39.31	54	-14.69	-	-	-	-	251	133	H
4	13.54709	28.03	PK-U	39.3	-16.5	50.83	-	-	-	-	68.2	-17.37	319	206	H
5	* 11.63829	27.81	PK-U	38.4	-16.2	50.01	-	-	74	-23.99	-	-	288	134	V
	* 11.64182	17.01	ADR	38.4	-16.1	39.31	54	-14.69	-	-	-	-	288	134	V
6	13.53167	28.91	PK-U	39.3	-16.6	51.61	-	-	-	-	68.2	-16.59	3	154	V

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

PK-U - U-NII: Maximum Peak

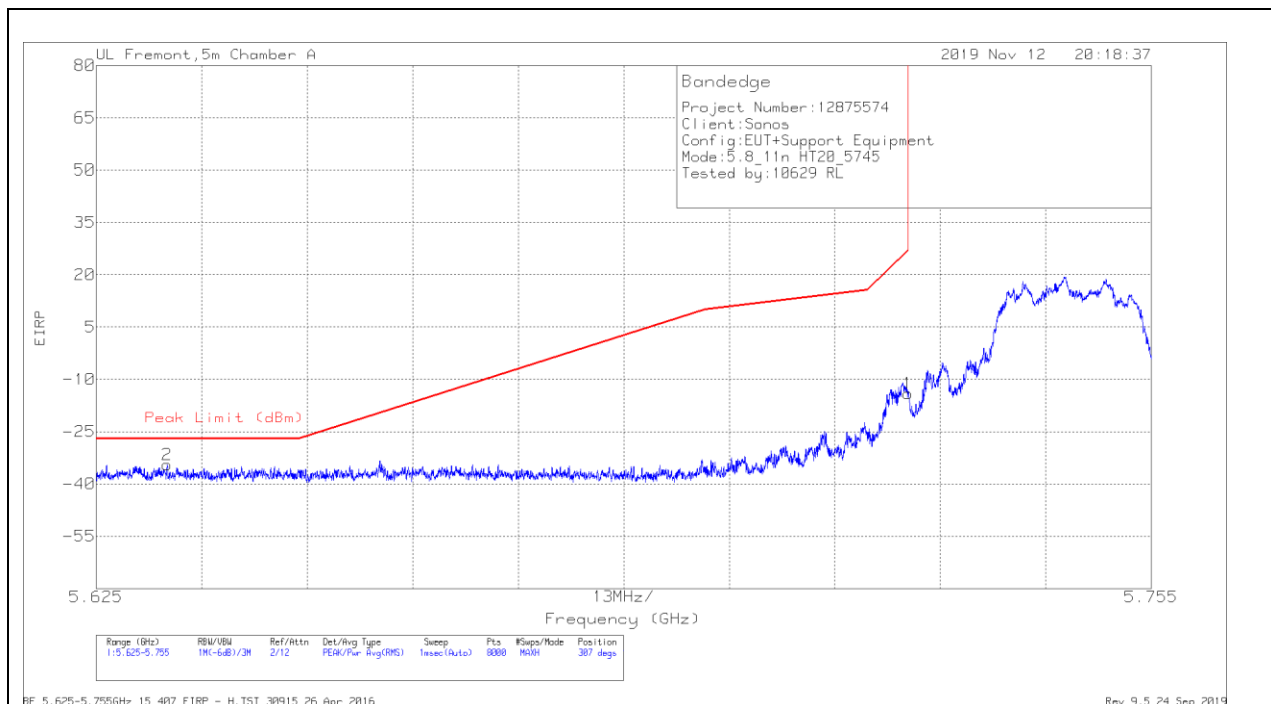
ADR - U-NII AD primary method, RMS average

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

4TX Antenna 1 + Antenna 2 + Antenna 3 + Antenna 4 CDD MODE

BANDEDGE (LOW CHANNEL)

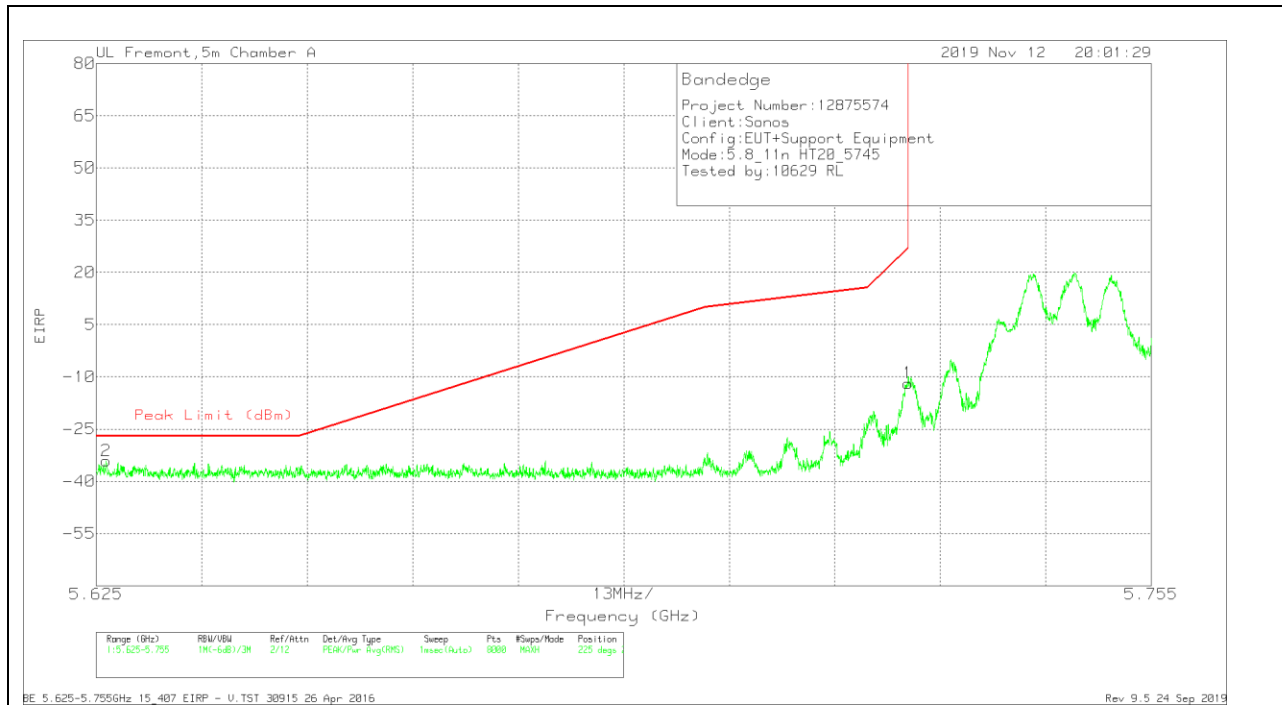
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63373	-64.02	Pk	34.8	-17.1	11.8	0	-34.52	-27	-7.52	307	190	H
1	5.725	-43.8	Pk	34.9	-17	11.8	0	-14.1	27	-41.1	307	190	H

Pk - Peak detector

VERTICAL RESULT

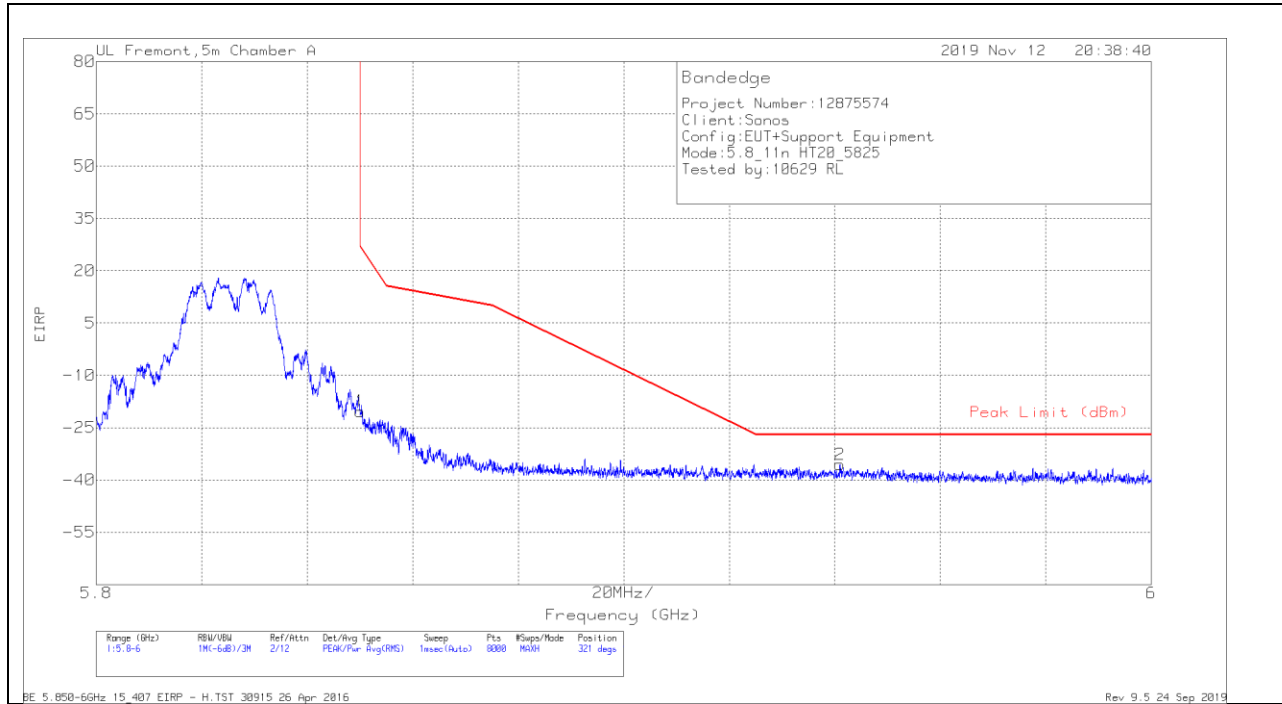


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Ampl/Cbl/Filt/Pa d (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62622	-64.06	Pk	34.9	-16.8	11.8	0	-34.16	-27	-7.16	225	296	V
1	5.725	-41.53	Pk	34.9	-17	11.8	0	-11.83	27	-38.83	225	296	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

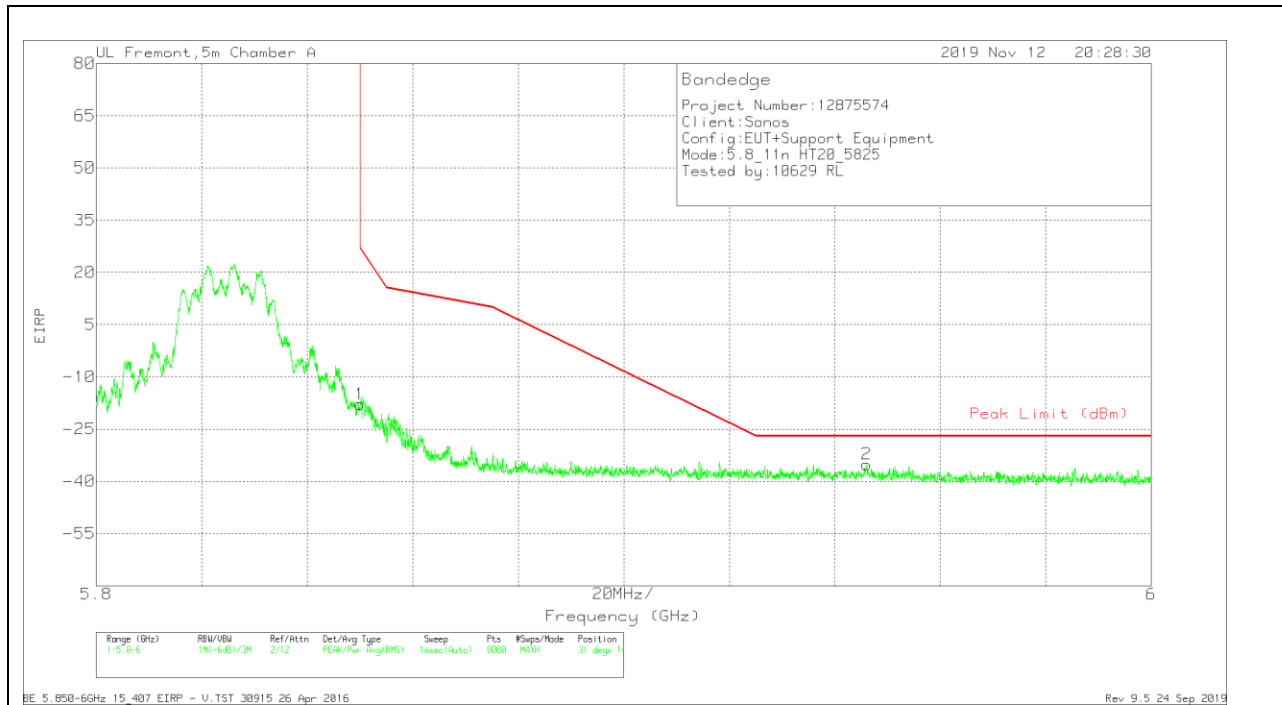
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/FiltriPa d (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-49.81	Pk	35.1	-17.4	11.8	0	-20.31	26.99	-47.3	321	194	H
2	5.94097	-64.91	Pk	35.3	-17.8	11.8	0	-35.61	-27	-8.61	321	194	H

Pk - Peak detector

VERTICAL RESULT

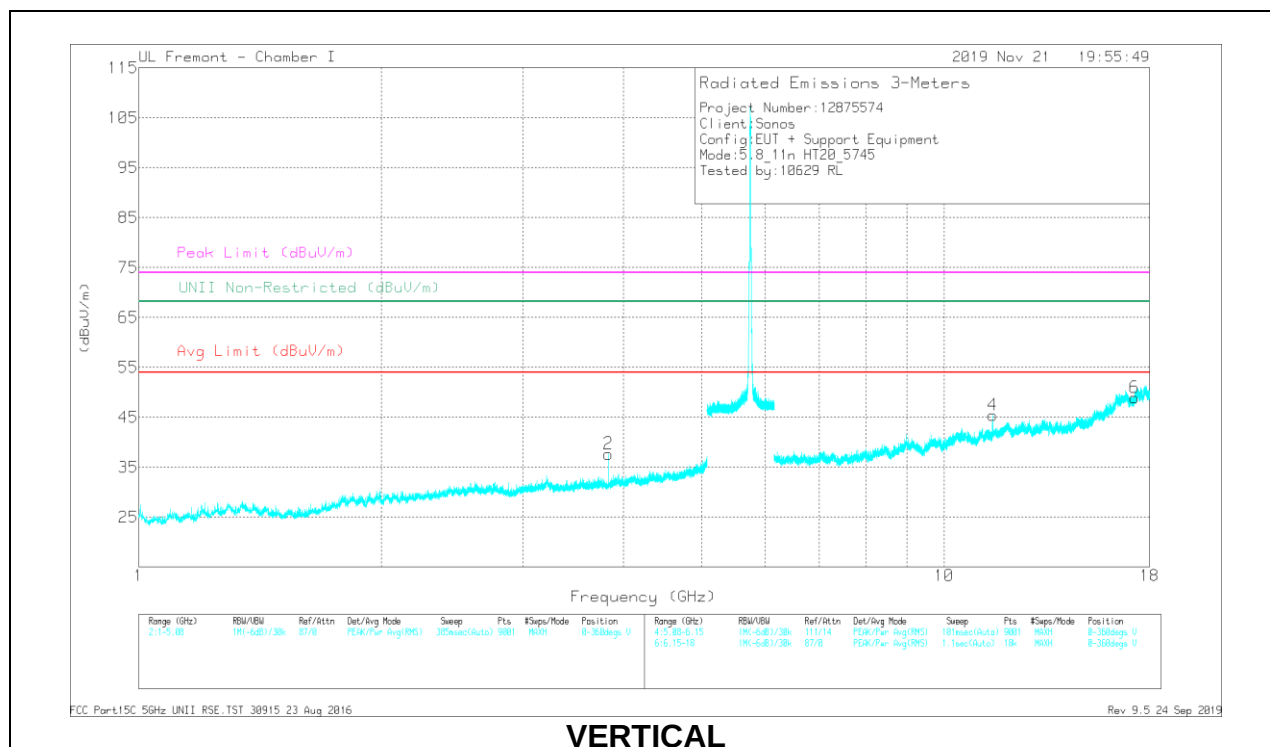
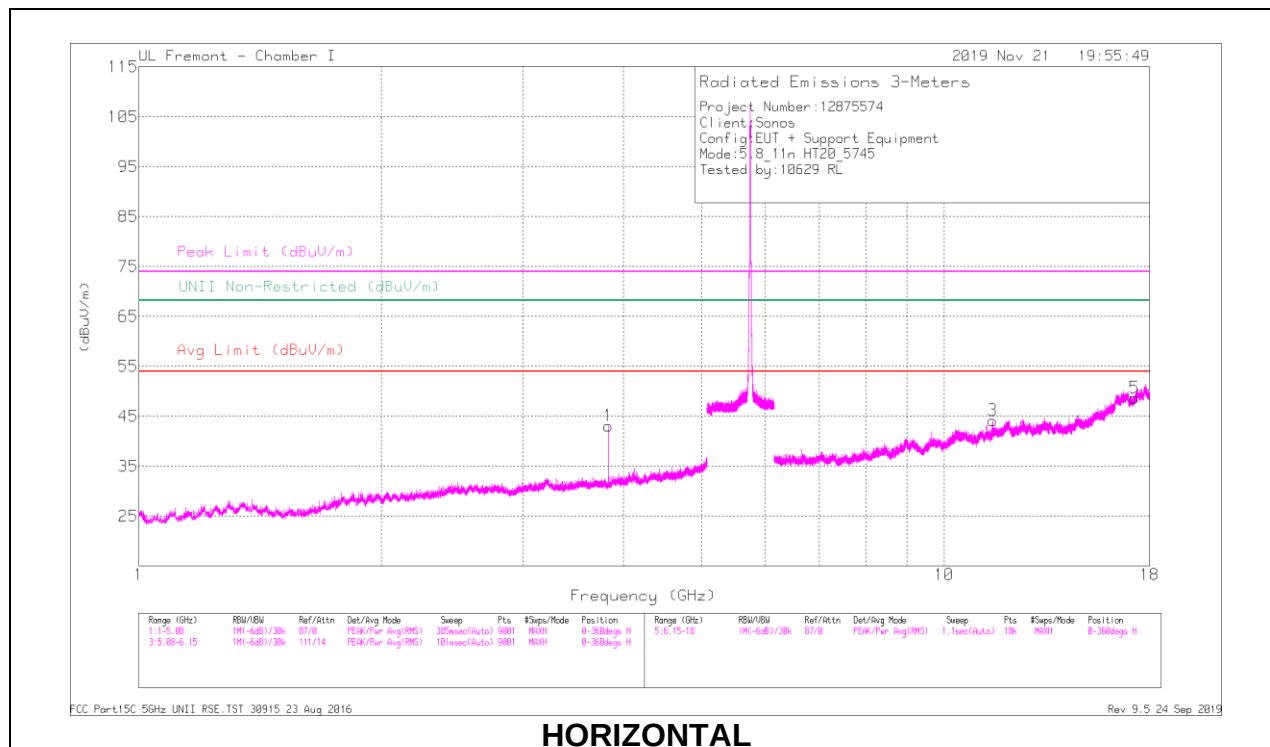


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dBm)	Ampl/Cbl/Filt/Pa d (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-47.41	Pk	35.1	-17.4	11.8	0	-17.91	26.99	-44.9	31	142	V
2	5.94602	-64.32	Pk	35.4	-18	11.8	0	-35.12	-27	-8.12	31	142	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

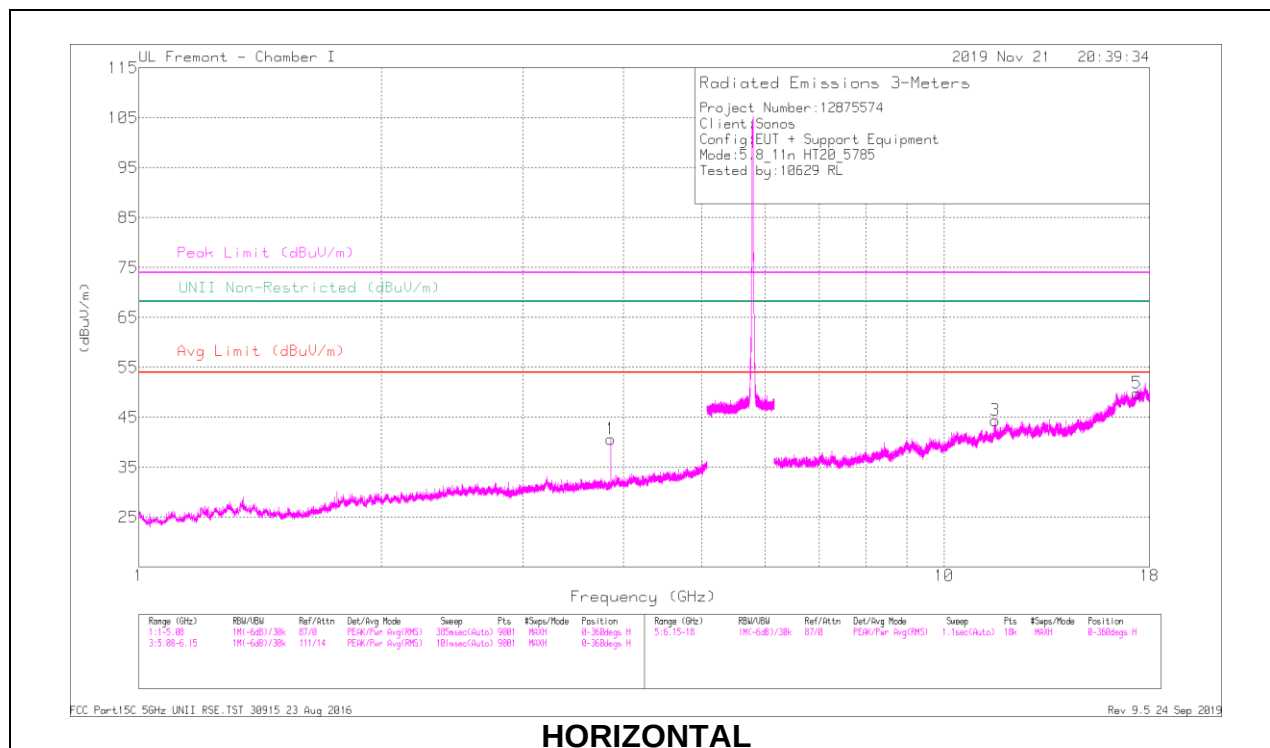
Frequency (MHz)	Meas Reading (dBuV/m)	Det	AF 18/2 (dBm)	Amp/Cable/Feed (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
* 3.82997	40.5	PK-U	32.9	-28.2	0	45.2	-	-	74	-28.8	-	-	33	115	H
* 3.82999	36.69	ADR	32.0	-28.2	1	41.49	54	-12.51	-	-	-	-	33	115	H
* 3.82997	38.33	PK-U	32.9	-28.3	0	42.93	-	-	74	-31.07	-	-	240	190	V
* 3.83	32.02	ADR	32.9	-28.2	1	36.82	54	-17.18	-	-	-	-	240	190	V
* 11.48816	32.85	PK-U	38.2	-16.2	0	54.85	-	-	74	-19.15	-	-	243	276	H
* 11.48834	19.52	ADR	38.2	-16.2	1	41.62	54	-12.38	-	-	-	-	243	276	H
17.24112	28.47	PK-U	41	-10.5	0	58.97	-	-	-	-	68.2	-9.23	88	167	H
* 11.48969	32.85	PK-U	38.2	-16.2	0	54.85	-	-	74	-19.15	-	-	275	374	V
* 11.4884	19.48	ADR	38.2	-16.2	1	41.58	54	-12.42	-	-	-	-	275	374	V
17.23183	28.78	PK-U	40.9	-10.4	0	59.28	-	-	-	-	68.2	-8.92	207	140	V

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

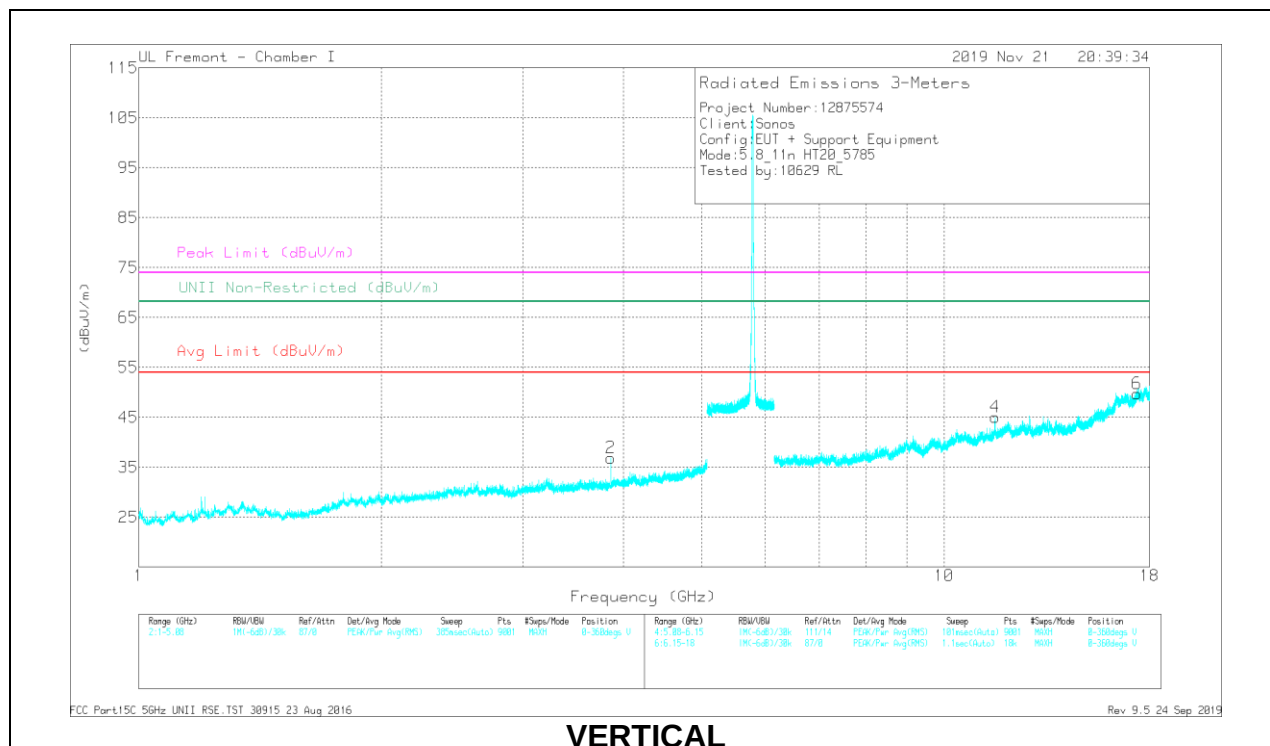
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

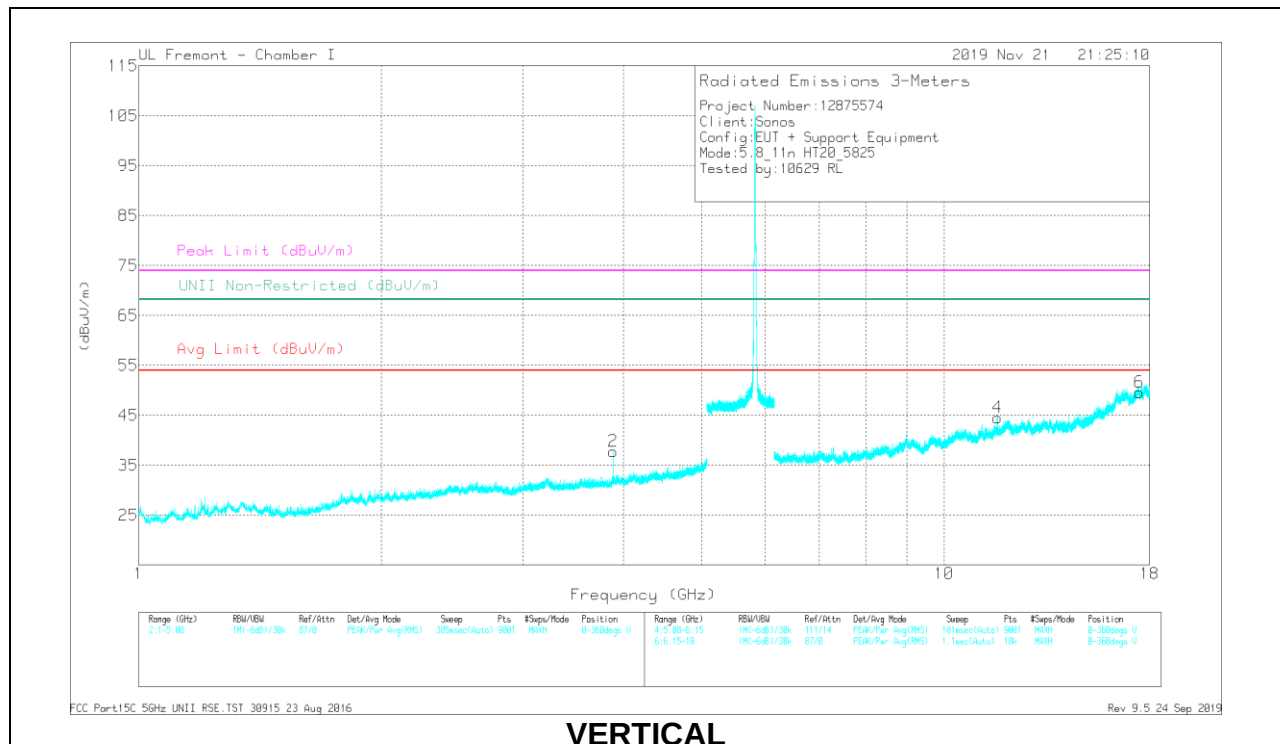
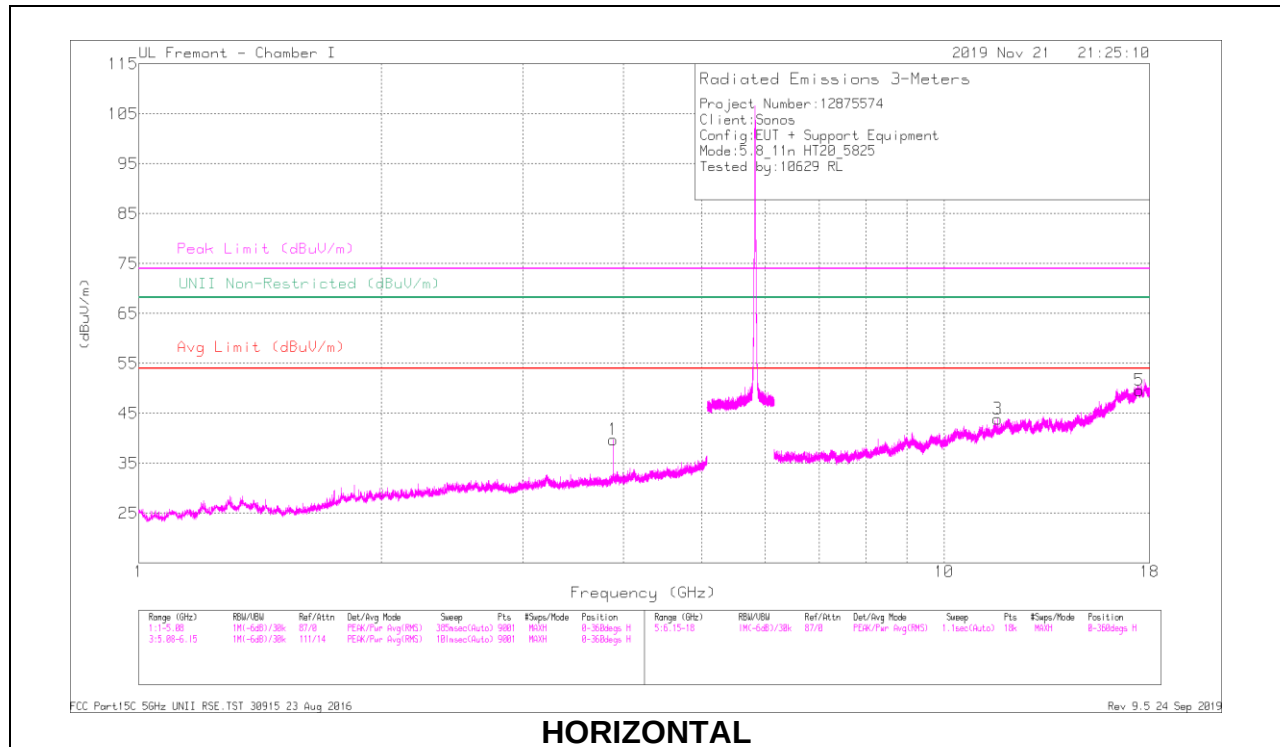
Frequency (MHz)	Meas Reading (dBuV/m)	Det	AF 18d2 (dBm)	Amp/Cable/Feed (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
* 3.85661	28.99	PK-U	33.1	-27.8	0	44.29	-	-	74	-29.71	-	-	38	113	H
* 3.85662	34.87	ADR	33.1	-27.8	1	40.77	54	-13.73	-	-	-	-	38	113	H
* 3.85663	37.95	PK-U	33.1	-27.8	0	43.25	-	-	74	-30.75	-	-	241	186	V
* 3.85664	31.1	ADR	33.1	-27.8	1	38.5	54	-17.5	-	-	-	-	241	186	V
* 11.56946	31.42	PK-U	38.4	-16	0	43.82	-	-	74	-20.18	-	-	250	337	H
* 11.57499	18.62	ADR	38.4	-15.9	1	41.22	54	-12.78	-	-	-	-	250	337	H
17.36757	29.54	PK-U	41	-10.2	0	60.34	-	-	-	-	68.2	-7.86	29	371	H
* 11.5688	34.04	PK-U	38.4	-16	0	56.44	-	-	74	-17.56	-	-	276	368	V
* 11.57342	20.04	ADR	38.4	-15.9	1	42.64	54	-11.36	-	-	-	-	276	368	V
17.3653	28.54	PK-U	41	-10.2	0	59.34	-	-	-	-	68.2	-8.86	283	389	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



RADIATED EMISSIONS

Frequency (MHz)	Meas Reading (dBuV/m)	Det	AF 18d2 (dBm)	Ampl/Chassis/Feed (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
* 3.88331	38.52	PK-U	33.1	-27.1	0	14.52	-	-	74	-29.48	-	-	40	126	H
* 3.88331	33.74	ADR	33.1	-27.1	1	39.84	54	-14.16	-	-	-	-	40	126	H
* 3.88319	36.91	PK-U	33.1	-27.1	0	42.91	-	-	74	-31.09	-	-	243	185	V
* 3.88329	30.11	ADR	33.1	-27.1	1	36.21	54	-17.79	-	-	-	-	243	185	V
* 11.64363	30.29	PK-U	38.4	-16.1	0	52.59	-	-	74	-21.41	-	-	227	359	H
* 11.65067	18.31	ADR	38.3	-16.2	1	40.51	54	-13.49	-	-	-	-	227	359	H
17.47309	27.82	PK-U	41.2	-10.2	0	58.82	-	-	-	-	68.2	-9.38	17	305	H
* 11.64388	32.27	PK-U	38.4	-16.1	0	54.57	-	-	74	-19.43	-	-	216	101	V
* 11.64376	19.86	ADR	38.4	-16.1	1	42.08	54	-11.92	-	-	-	-	216	101	V
17.45324	28.06	PK-U	41.2	-10	0	59.26	-	-	-	-	68.2	-8.94	290	227	V

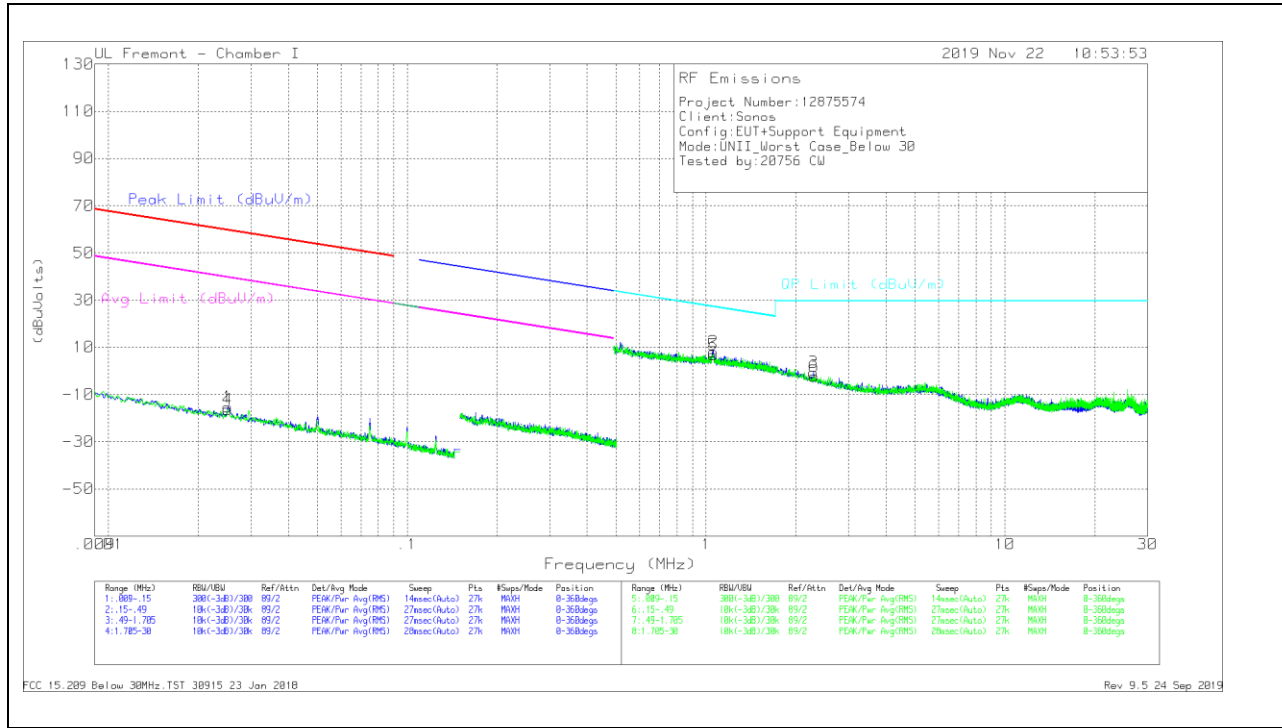
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2. WORST CASE BELOW 30MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data

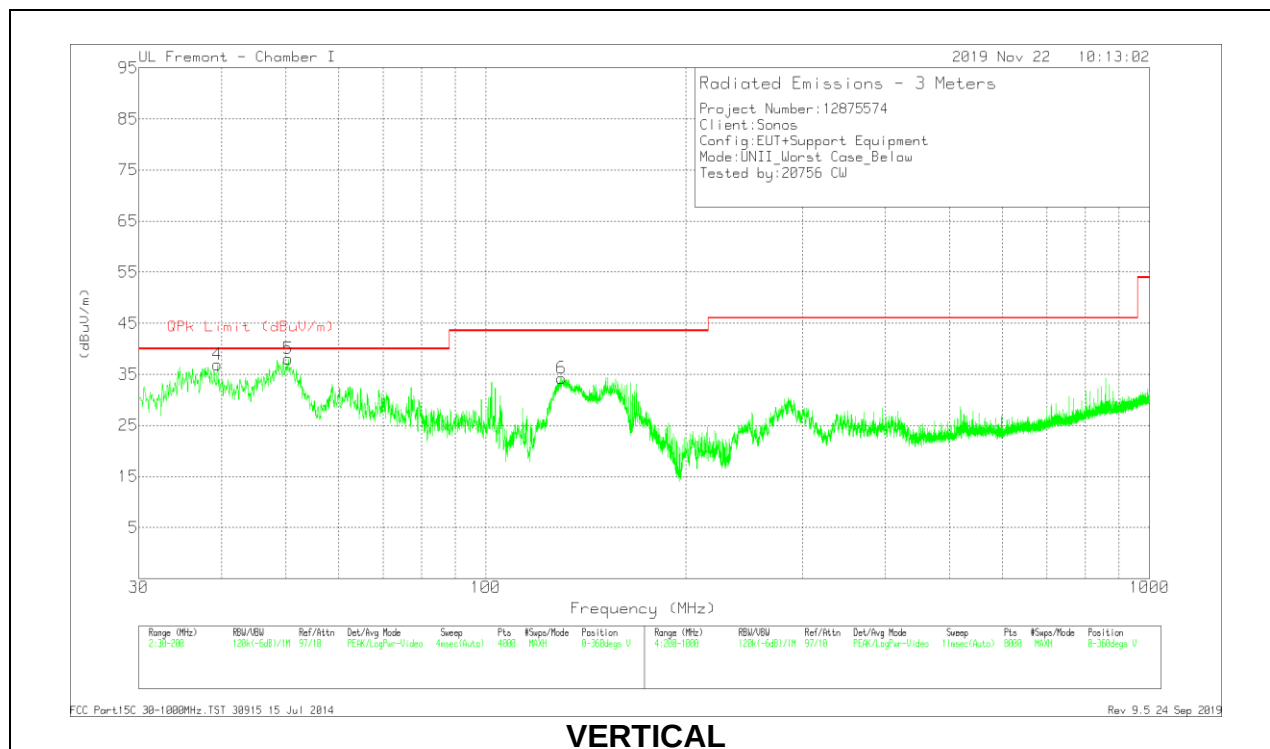
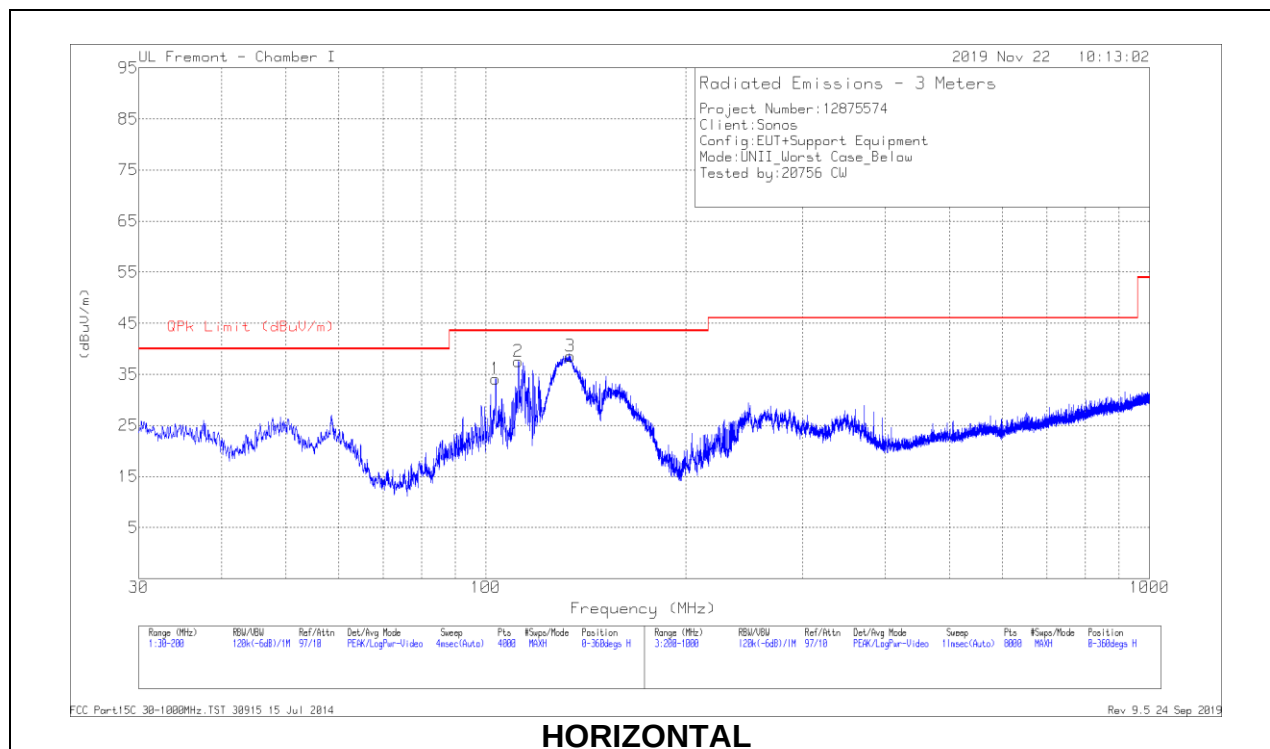
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.02517	49.51	Pk	15.1	0	-80	-15.39	59.57	-74.96	39.57	-54.96	0-360
4	.02513	48.64	Pk	15.1	0	-80	-16.26	59.58	-75.84	39.58	-55.84	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
2	1.05842	33.51	Pk	14.4	.1	-40	8.01	27.13	-19.12	0-360
3	2.29083	24.52	Pk	14.6	.2	-40	-68	29.5	-30.18	0-360
5	1.05716	32.21	Pk	14.4	.1	-40	6.71	27.14	-20.43	0-360
6	2.29607	22.91	Pk	14.6	.2	-40	-2.29	29.5	-31.79	0-360

Pk - Peak detector

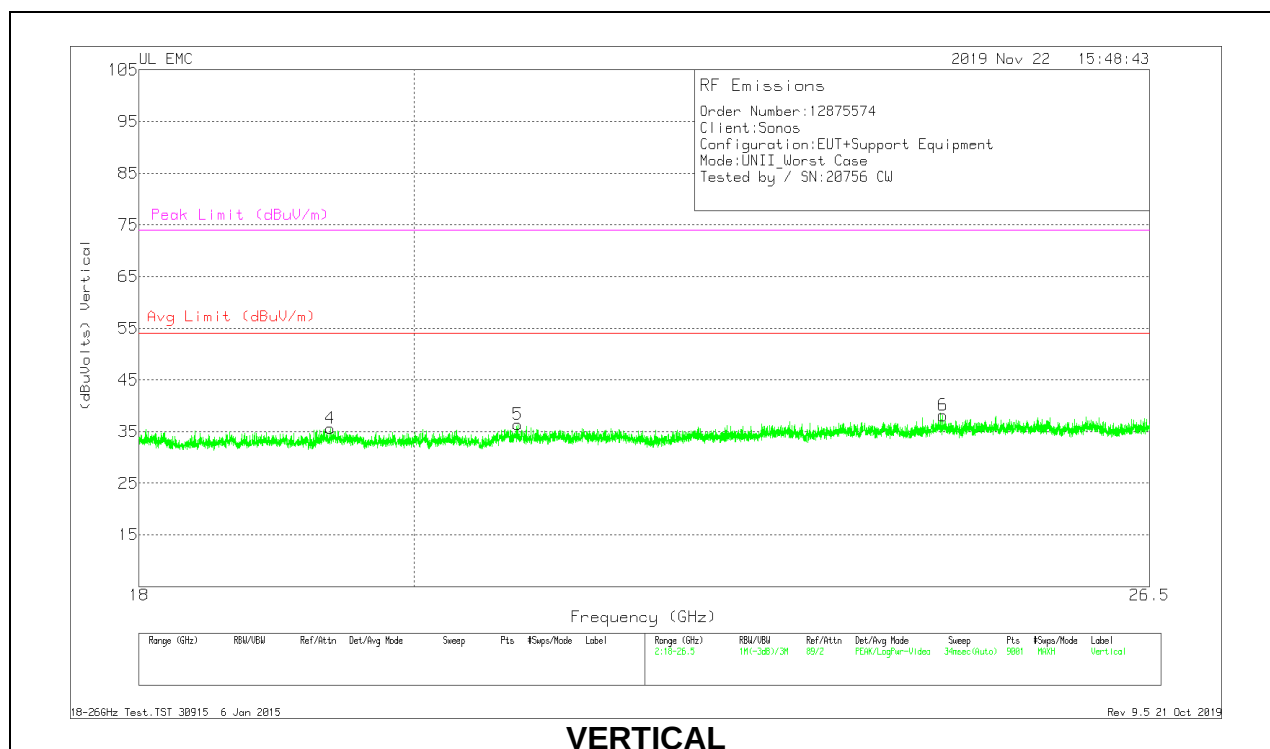
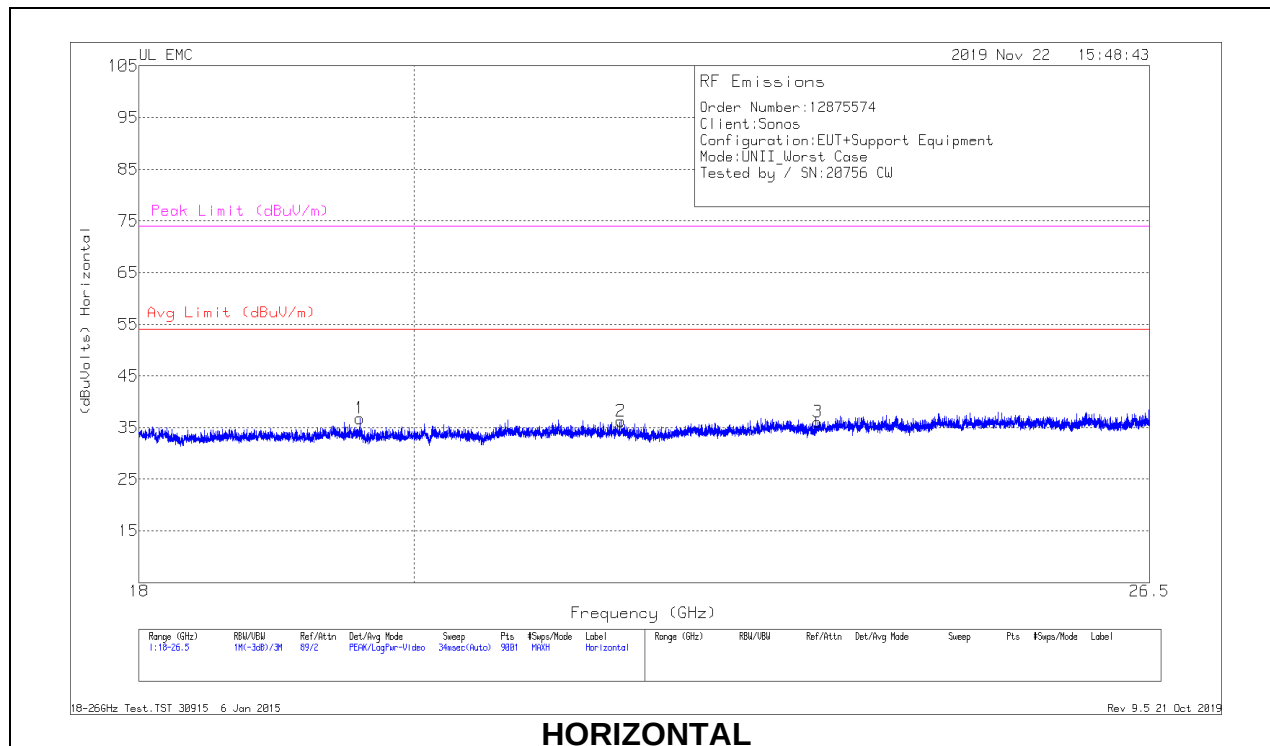
9.3. WORST CASE BELOW 1 GHz



Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184052 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	103.5015	47.96	Pk	17	-30.8	34.16	43.52	-9.36	0-360	299	H
2	112.0037	49.51	Pk	18.7	-30.7	37.51	43.52	-6.01	0-360	199	H
3	134.0244	50.02	Pk	19.2	-30.7	38.52	43.52	-5	0-360	199	H
	133.788	49.47	Qp	19.2	-30.7	37.97	43.52	-5.55	224	217	H
4	39.4374	48.02	Pk	20.2	-31.3	36.92	40	-3.08	0-360	102	V
	39.5098	43.04	Qp	20.1	-31.3	31.84	40	-8.16	61	108	V
5	50.4053	55.78	Pk	13.6	-31.3	38.08	40	-1.92	0-360	102	V
	50.4441	52.31	Qp	13.6	-31.3	34.61	40	-5.39	68	126	V
6	130.1134	45.47	Pk	19.4	-30.6	34.27	43.52	-9.25	0-360	102	V

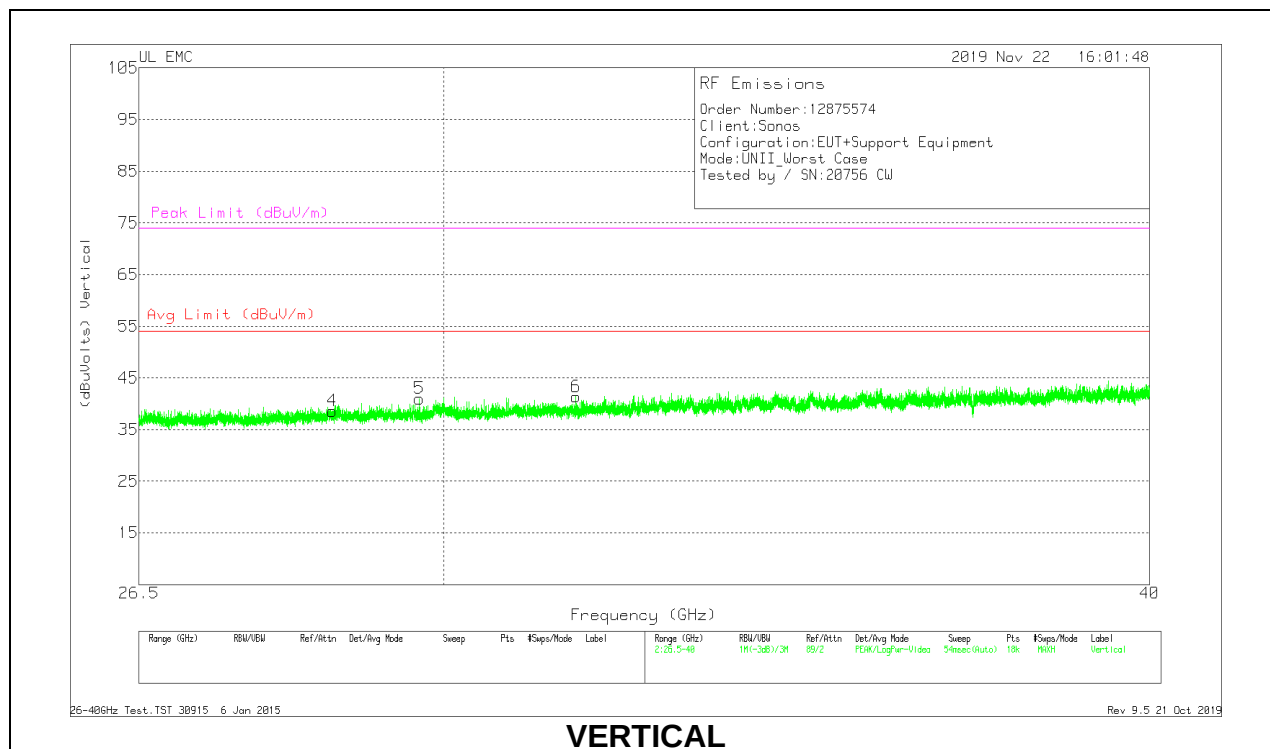
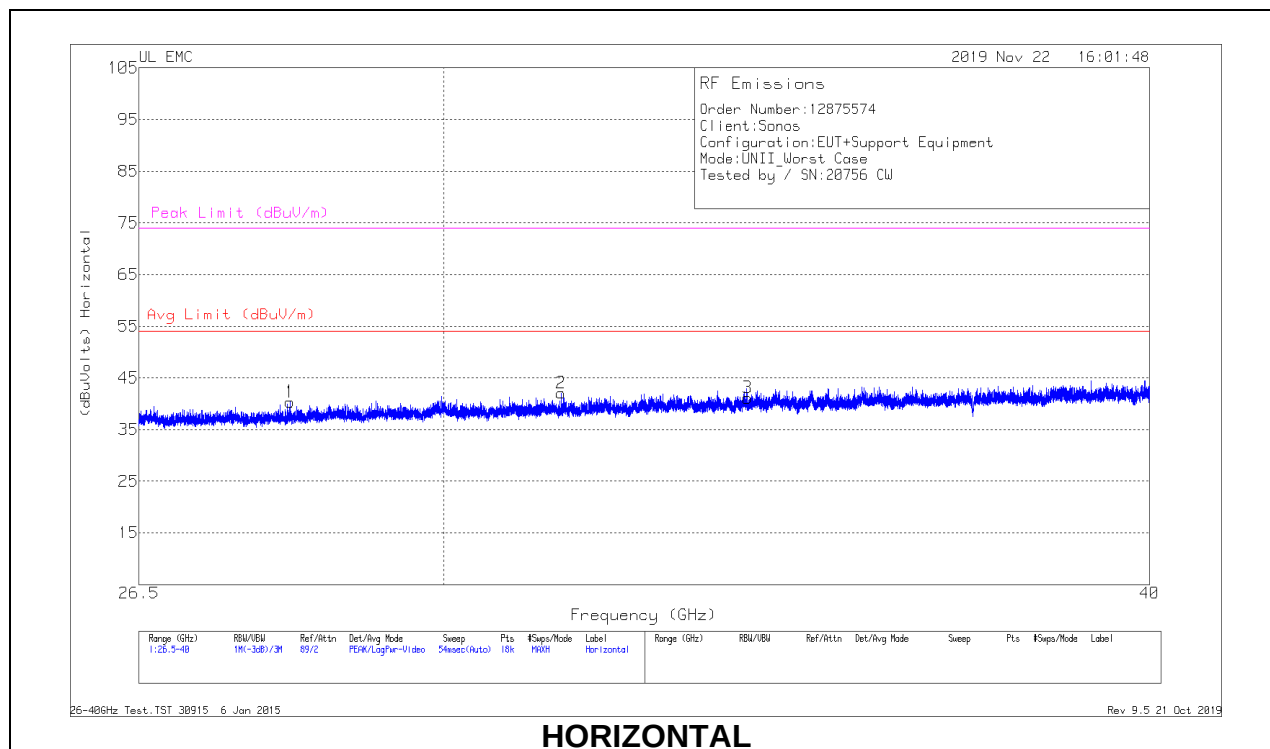
9.4. WORST CASE 18-26 GHz



18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T447 AF (dB/m)	Ampl/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.58667	70.47	Pk	32.8	-57	-9.5	36.77	54	-17.23	74	-37.23
2	21.6465	69.97	Pk	33.2	-57.4	-9.5	36.27	54	-17.73	74	-37.73
3	23.33705	68.79	Pk	34	-57.2	-9.5	36.09	54	-17.91	74	-37.91
4	19.36755	69.53	Pk	32.7	-57.1	-9.5	35.63	54	-18.37	74	-38.37
5	20.80689	69.68	Pk	33.1	-56.9	-9.5	36.38	54	-17.62	74	-37.62
6	24.48266	69.74	Pk	34.4	-56.5	-9.5	38.14	54	-15.86	74	-35.86

9.5. WORST CASE 26-40 GHz



26 – 40GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T446 AF (dB/m)	Ampl/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	28.18225	67.44	Pk	36.5	-54.1	-9.5	40.34	54	-13.66	74	-33.66
2	31.47325	68.36	Pk	37	-53.8	-9.5	42.06	54	-11.94	74	-31.94
3	33.955	67.11	Pk	37.6	-54.1	-9.5	41.11	54	-12.89	74	-32.89
4	28.669	64.9	Pk	36.5	-53.3	-9.5	38.6	54	-15.4	74	-35.4
5	29.7055	66.9	Pk	36.6	-53	-9.5	41	54	-13	74	-33
6	31.663	67.48	Pk	37	-53.6	-9.5	41.38	54	-12.62	74	-32.62

10. 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.

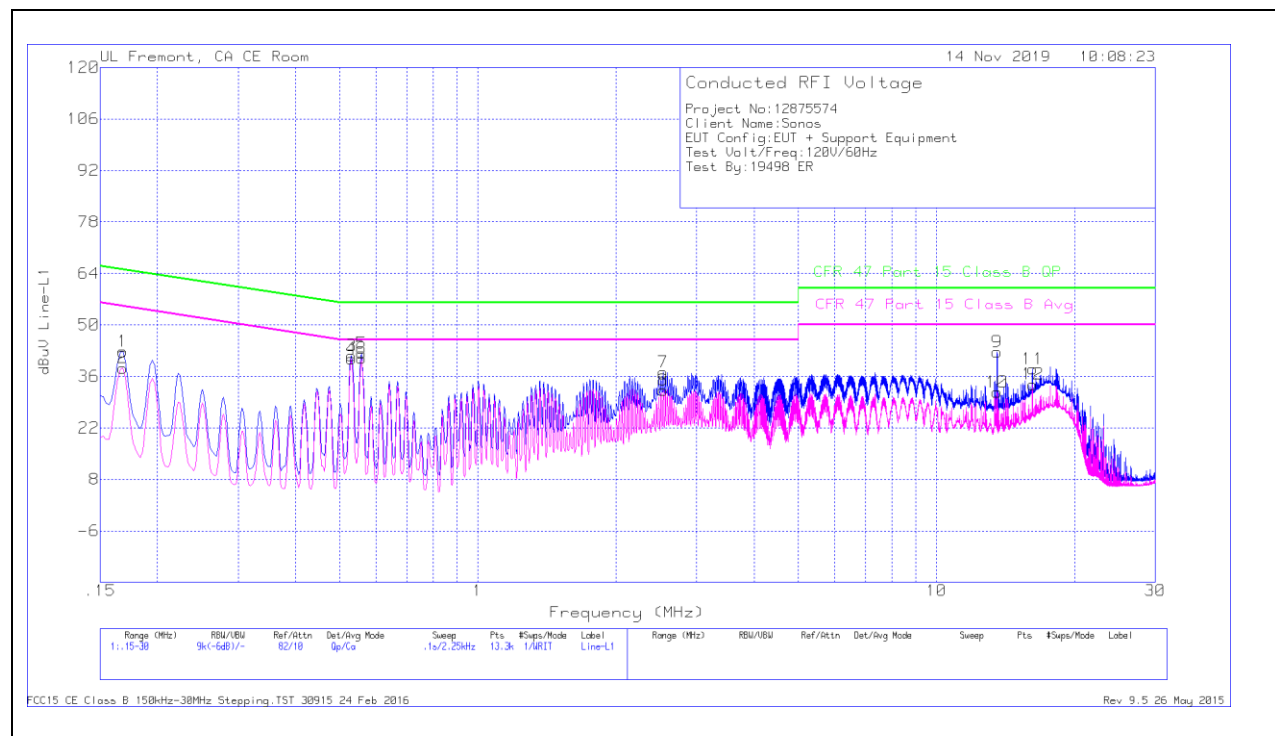
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

AC Power Line Norm

LINE 1 RESULTS



Trace Markers

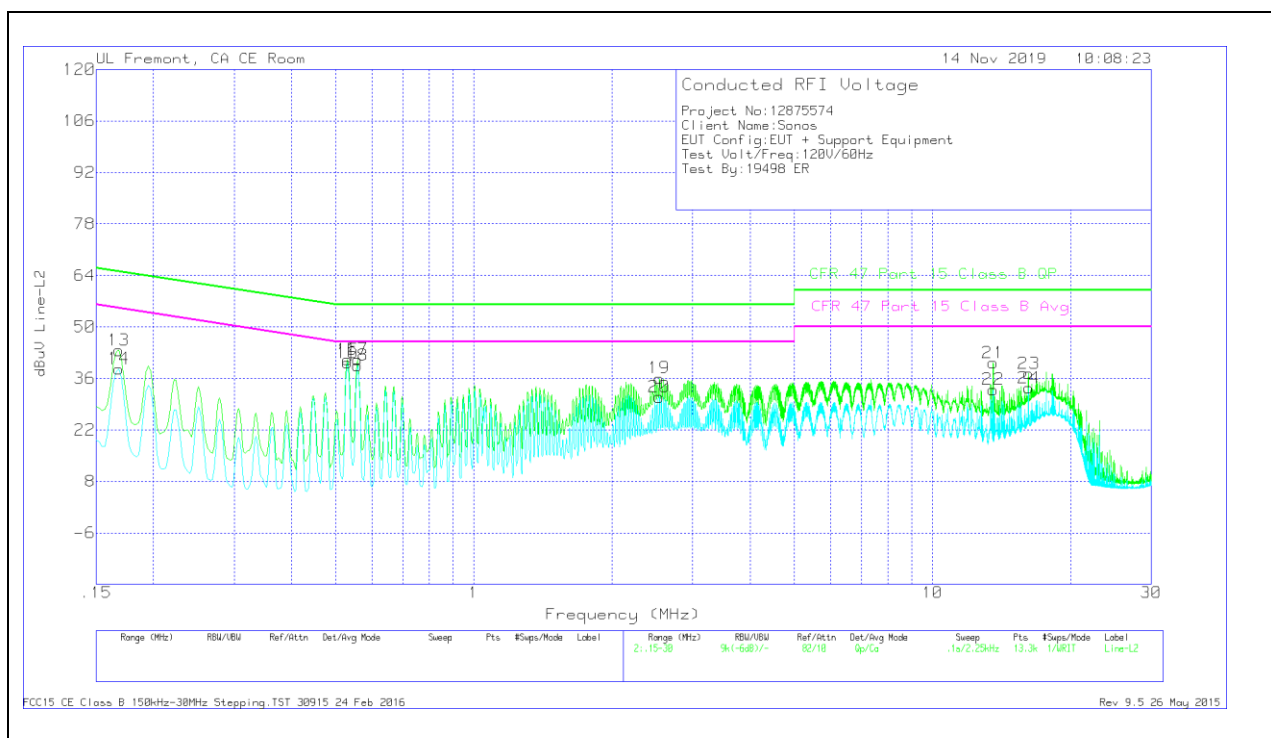
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.168	32.57	Qp	.1	0	10.1	42.77	65.06	-22.29	-	-
2	.168	28.08	Ca	.1	0	10.1	38.28	-	-	55.06	-16.78
3	.53025	31.5	Qp	0	0	10.1	41.6	56	-14.4	-	-
4	.53025	30.7	Ca	0	0	10.1	40.8	-	-	46	-5.2
5	.55725	32.18	Qp	0	0	10.1	42.28	56	-13.72	-	-
6	.55725	30.82	Ca	0	0	10.1	40.92	-	-	46	-5.08
7	2.535	26.98	Qp	0	.1	10.1	37.18	56	-18.82	-	-
8	2.535	22.01	Ca	0	.1	10.1	32.21	-	-	46	-13.79
9	13.56	32.16	Qp	.1	.2	10.2	42.66	60	-17.34	-	-
10	13.56	21.21	Ca	.1	.2	10.2	31.71	-	-	50	-18.29
11	16.2285	27.33	Qp	.1	.3	10.3	38.03	60	-21.97	-	-
12	16.2285	23.14	Ca	.1	.3	10.3	33.84	-	-	50	-16.16

Qp - Quasi-Peak detector

Ca - CISPR average detection

NOTE: Markers 9 and 10, 13.56MHz is an external NFC signal unrelated to the EUT.

LINE 2 RESULTS



Trace Markers

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.168	33.43	Qp	.1	0	10.1	43.63	65.06	-21.43	-	-
14	.168	28.42	Ca	.1	0	10.1	38.62	-	-	55.06	-16.44
15	.53025	31.02	Qp	0	0	10.1	41.12	56	-14.88	-	-
16	.53025	30.14	Ca	0	0	10.1	40.24	-	-	46	-5.76
17	.55725	31.05	Qp	0	0	10.1	41.15	56	-14.85	-	-
18	.55725	29.42	Ca	0	0	10.1	39.52	-	-	46	-6.48
19	2.53725	25.86	Qp	0	.1	10.1	36.06	56	-19.94	-	-
20	2.53725	20.77	Ca	0	.1	10.1	30.97	-	-	46	-15.03
21	13.56	29.75	Qp	.1	.2	10.2	40.25	60	-19.75	-	-
22	13.56	22.49	Ca	.1	.2	10.2	32.99	-	-	50	-17.01
23	16.2285	26.65	Qp	.1	.3	10.3	37.35	60	-22.65	-	-
24	16.2285	22.68	Ca	.1	.3	10.3	33.38	-	-	50	-16.62

Qp - Quasi-Peak detector

Ca - CISPR average detection

NOTE: Markers 21 and 22, 13.56MHz is an external NFC signal unrelated to the EUT.