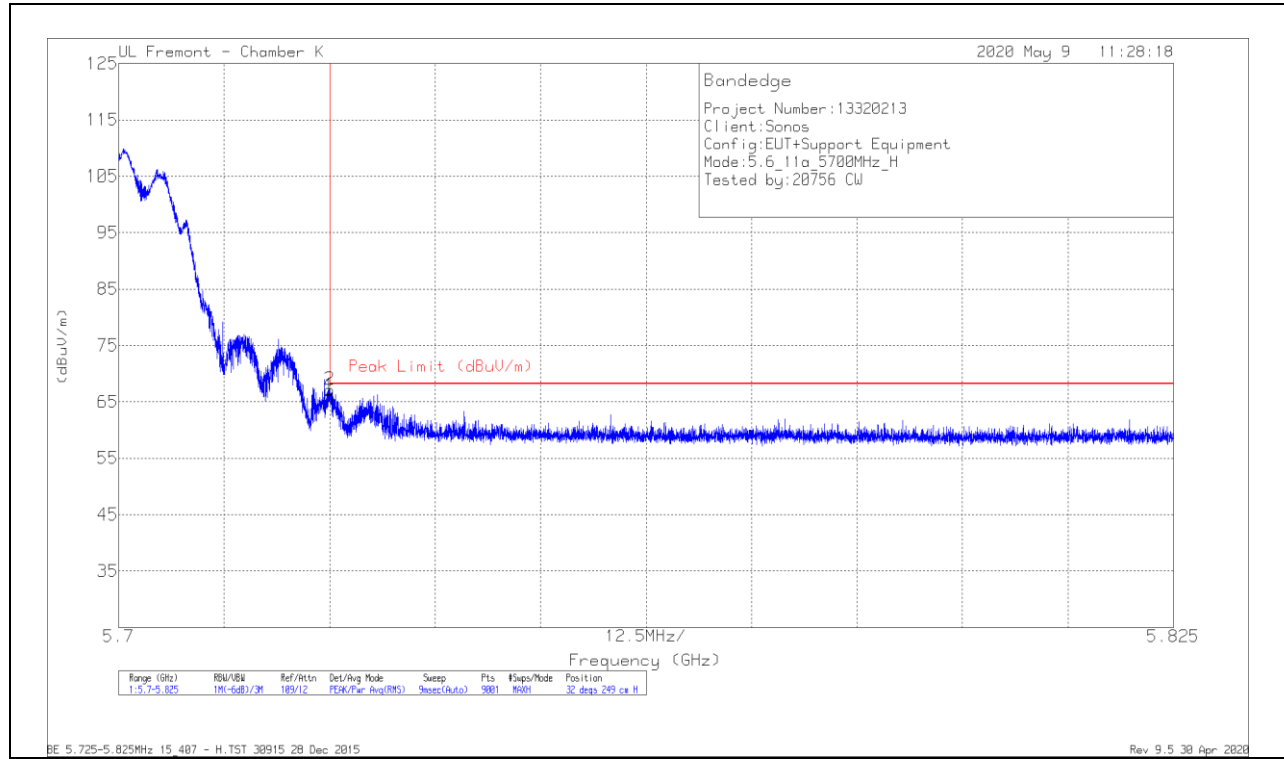


BANDEDGE (HIGH CHANNEL)

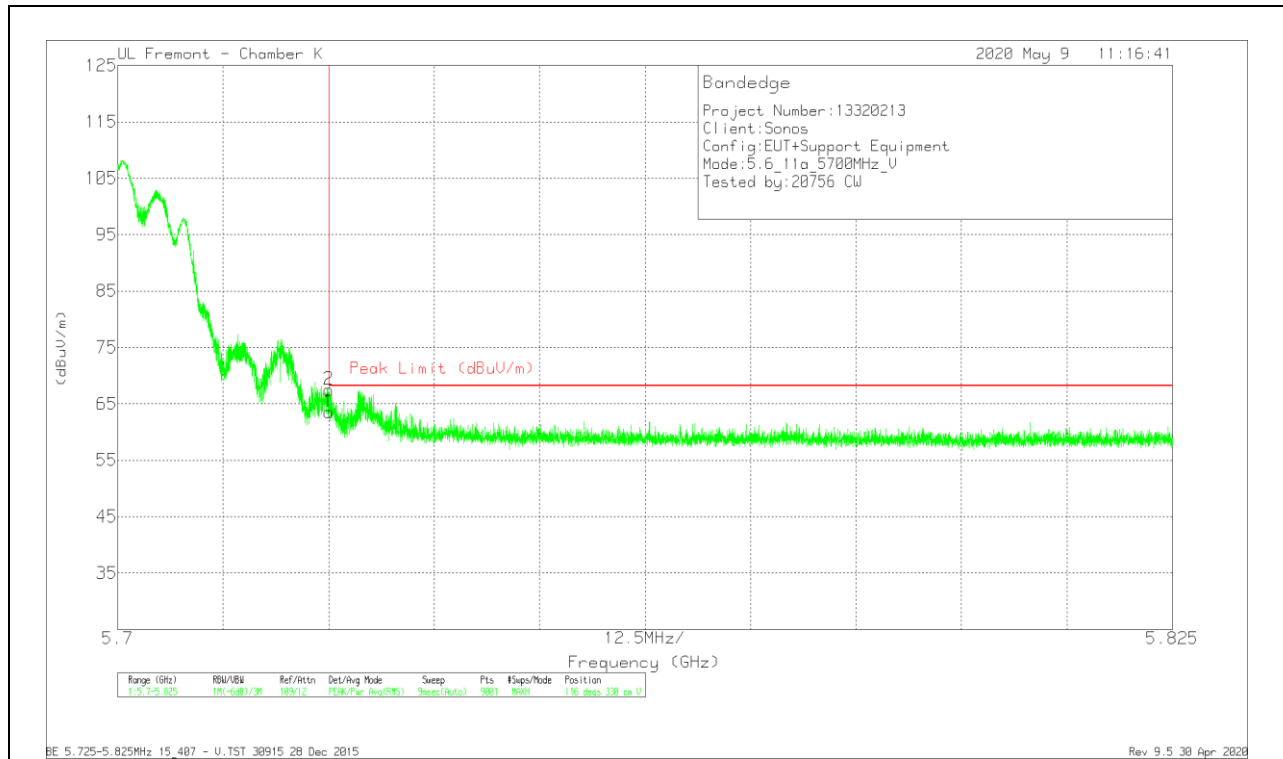
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.03	Pk	34.8	-6.8	0	66.03	68.2	-2.17	32	249	H
2	5.72506	39.11	Pk	34.8	-6.8	0	67.11	68.2	-1.09	32	249	H

Pk - Peak detector

VERTICAL RESULT

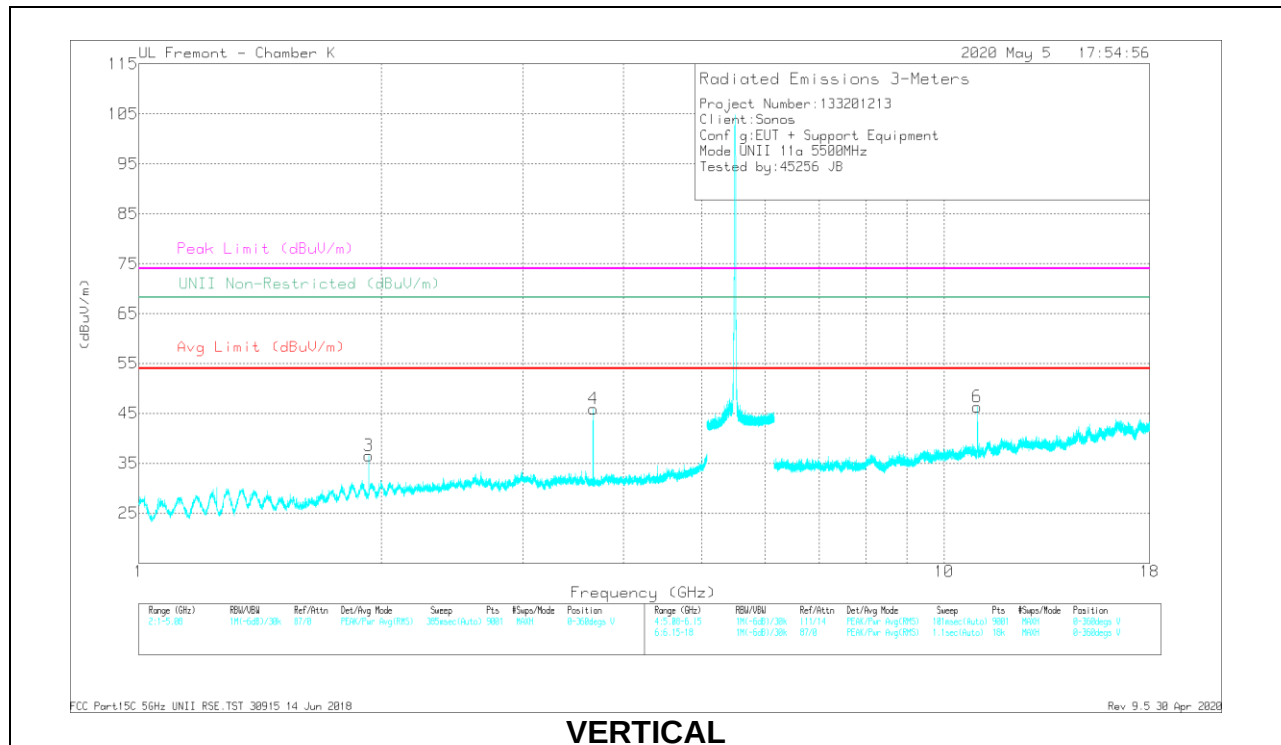
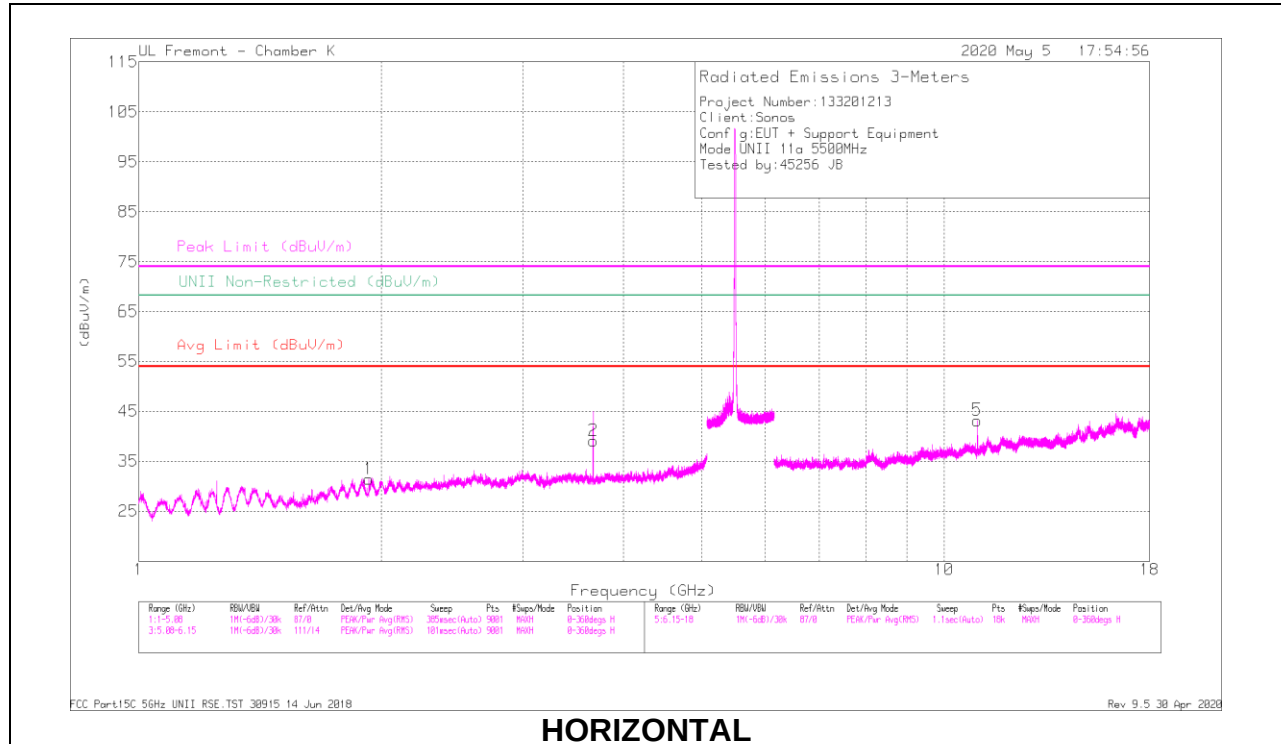


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp/Cbll/Filtr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	35.57	Pk	34.8	-6.8	0	63.57	68.2	-4.63	116	330	V
2	5.72506	39.47	Pk	34.8	-6.8	0	67.47	68.2	-0.73	116	330	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

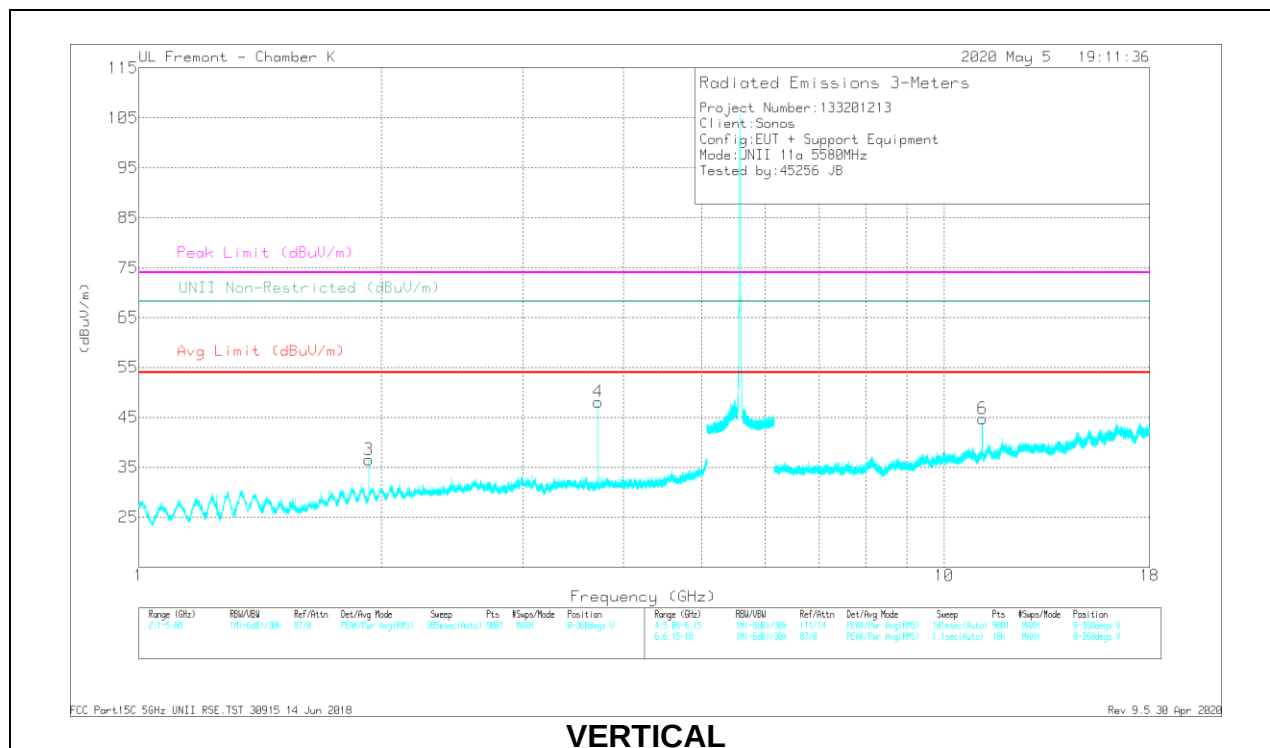
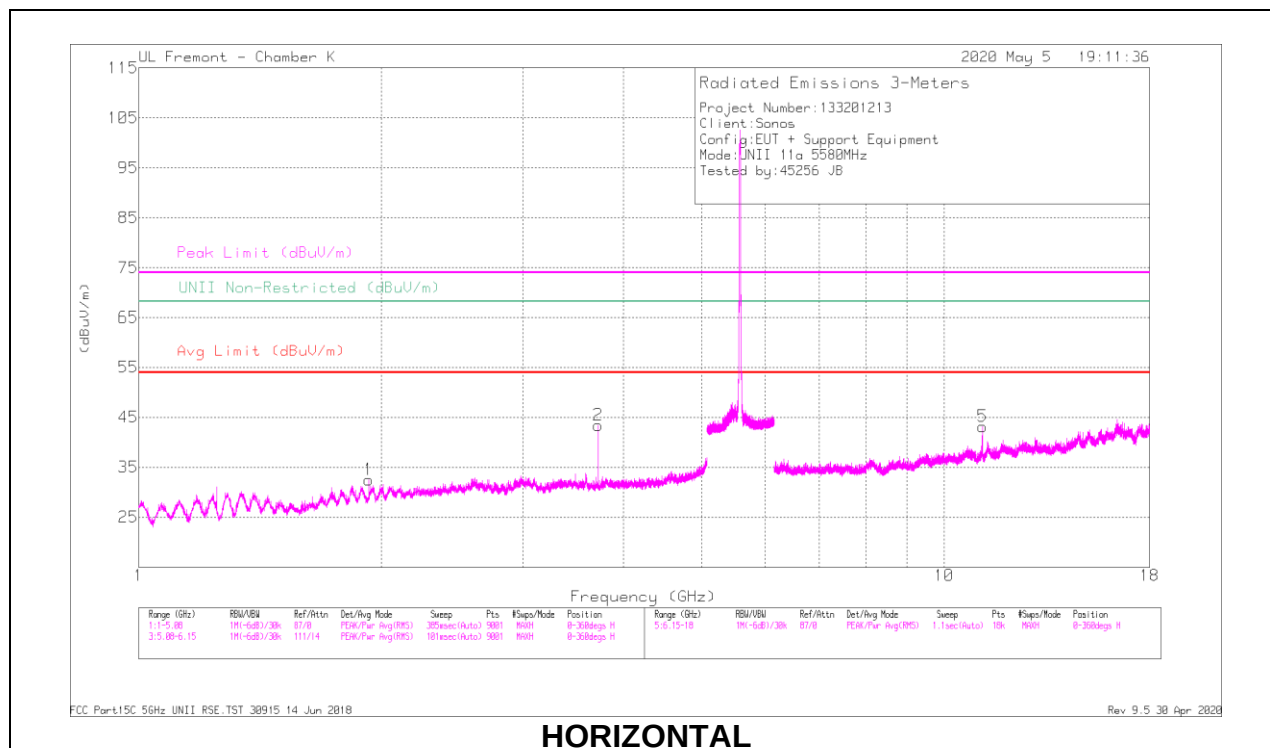
Frequency (MHz)	Meas Reading (dBuV)	Det	AF EMC424 (dBm)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
1.92118	53.77	PK-U	31.1	-45.6	0	39.27	-	-	-	-	68.2	-28.93	249	242	H
* 3.66664	55.86	PK-U	32.9	-42.1	0	46.66	-	-	74	-27.34	-	-	105	302	H
* 3.66664	49.56	ADR	32.9	-42.1	2.93	43.29	54	-10.71	-	-	-	-	105	302	H
1.93105	56.24	PK-U	31.1	-45.6	0	41.74	-	-	-	-	68.2	-26.46	19	192	V
* 3.66666	57.52	PK-U	32.9	-42.1	0	49.32	-	-	74	-25.68	-	-	166	209	V
* 3.66663	50.28	ADR	32.9	-42.1	2.93	44.01	54	-9.99	-	-	-	-	166	209	V
* 11.00036	52.23	PK-U	37.9	-37.1	0	53.03	-	-	74	-20.97	-	-	205	101	H
* 11.00005	38.85	ADR	37.9	-37.1	2.93	42.58	54	-11.42	-	-	-	-	205	101	H
* 11	53.42	PK-U	37.9	-37.1	0	54.22	-	-	74	-19.78	-	-	144	99	V
* 11.00005	38.85	ADR	37.9	-37.1	2.93	43.58	54	-10.42	-	-	-	-	144	99	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

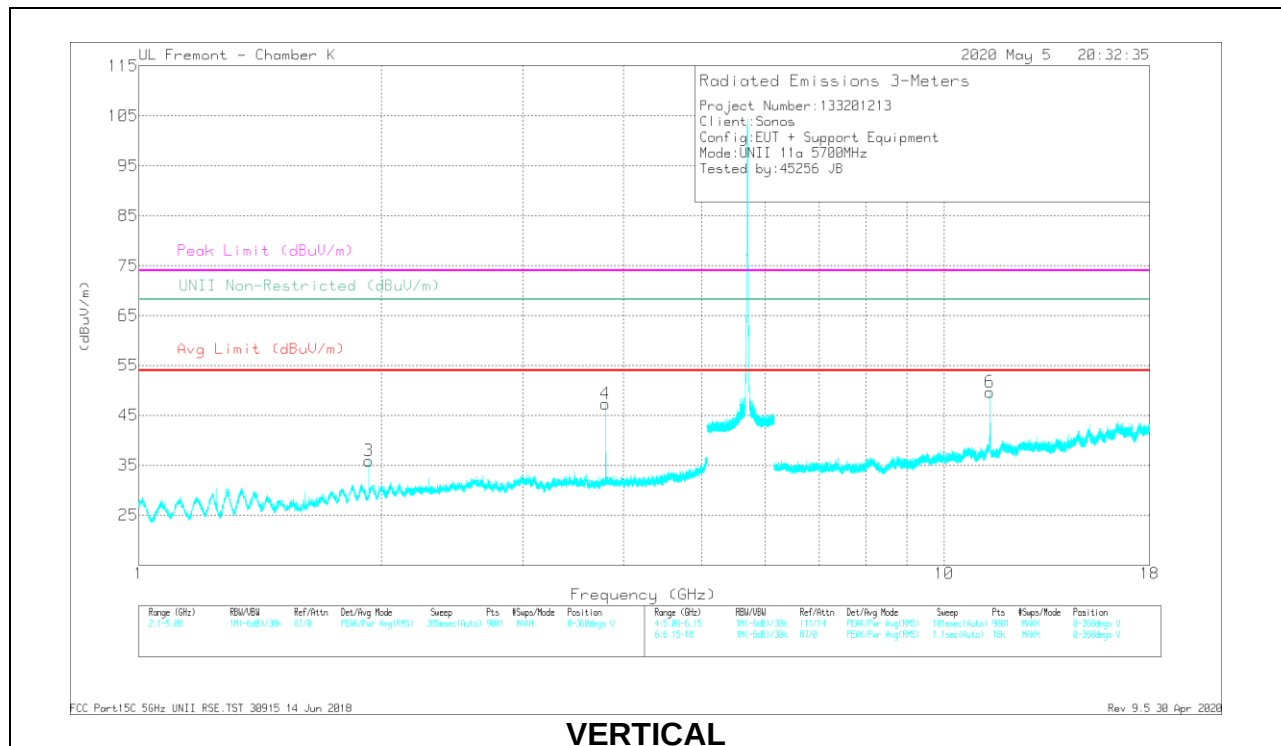
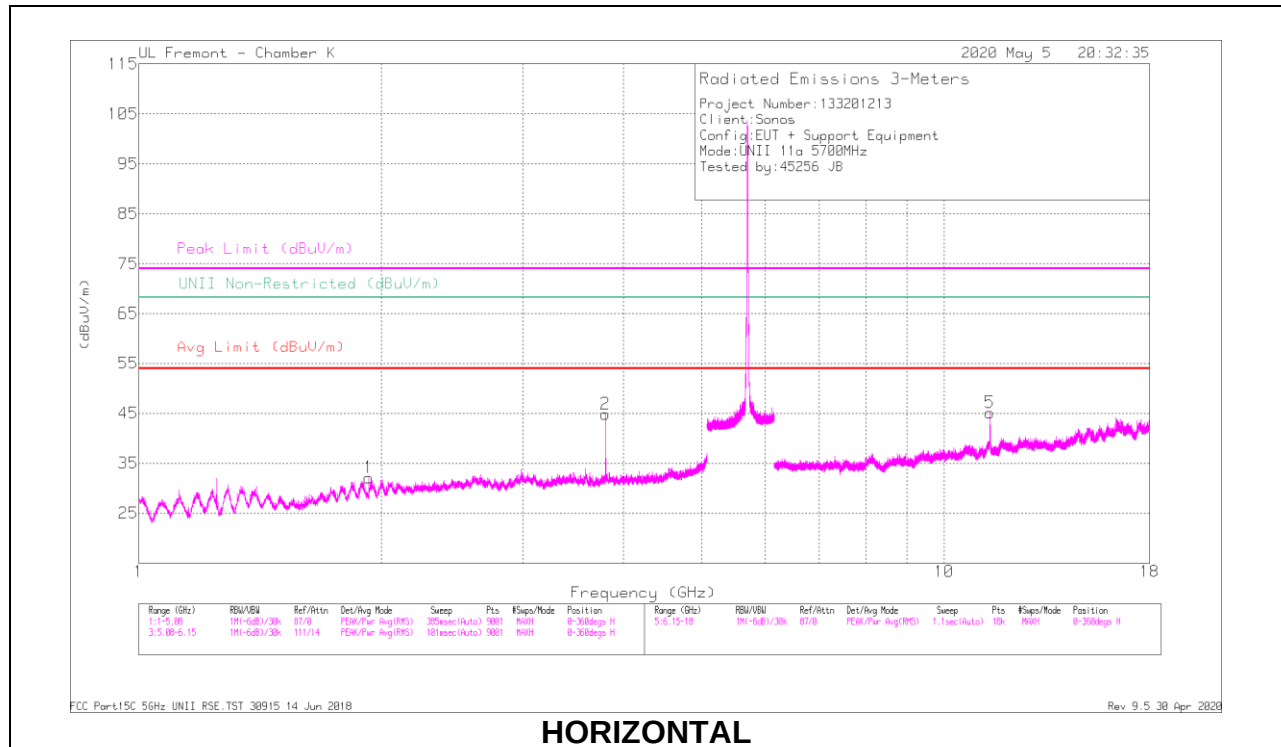
Frequency (MHz)	Meas Reading (dBm)	Det	AF EMC424 (dBm)	Ampl/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Limit Non-Restricted (dBm)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
1.92149	55.24	PK-U	31.1	-45.6	0	49.71	-	-	-	-	68.2	-27.49	124	148	H
* 3.71994	55.79	PK-U	33	-42.1	0	46.69	-	-	74	-27.31	-	-	101	294	H
* 3.71996	49.63	ADR	33	-42.1	2.93	43.44	54	-10.56	-	-	-	-	101	294	H
1.93125	57.88	PK-U	31.1	-45.6	0	43.38	-	-	-	-	68.2	-24.82	120	301	V
* 3.72305	59.32	PK-U	33	-42.1	0	49.42	-	-	74	-24.58	-	-	176	230	V
* 3.71997	52.96	ADR	33	-42.1	2.93	46.79	54	-7.21	-	-	-	-	176	200	V
* 11.16201	52.54	PK-U	38	-36.7	0	53.84	-	-	74	-20.16	-	-	204	98	H
* 11.16011	37.75	ADR	38	-36.7	2.93	41.95	54	-12.02	-	-	-	-	204	98	H
* 11.15983	51.9	PK-U	39	-36.7	0	53.2	-	-	74	-20.8	-	-	146	143	V
* 11.15998	38.04	ADR	38	-36.7	2.93	42.27	54	-11.73	-	-	-	-	146	143	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 (dBm)	Det	AF EMC424 (dBm)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Aircraft (Feet)	Height (m)	Polarity
1.92139	54.78	PK-U	31.1	-45.6	0	49.28	-	-	-	-	68.2	-27.92	186	368	H
* 3.80002	55.74	PK-U	33.4	-42	0	47.14	-	-	74	-26.86	-	-	200	174	H
* 3.79997	48.56	ADR	33.4	-42	2.93	42.89	54	-11.11	-	-	-	-	200	174	H
1.93009	56.39	PK-U	31.1	-45.6	0	41.89	-	-	-	-	68.2	-26.31	124	264	V
* 3.79994	55.9	PK-U	33.4	-42	0	50.3	-	-	74	-23.7	-	-	180	319	V
* 3.79997	51.5	ADR	33.4	-42	2.93	45.83	54	-8.17	-	-	-	-	180	319	V
* 11.4004	51.93	PK-U	38.2	-36.2	0	53.93	-	-	74	-20.07	-	-	349	203	H
* 11.402	36.73	ADR	38.2	-36.2	2.93	41.66	54	-12.34	-	-	-	-	349	203	H
* 11.40046	55.52	PK-U	38.2	-36.2	0	57.62	-	-	74	-16.38	-	-	150	101	V
* 11.40135	39.95	ADR	38.2	-36.2	2.93	44.88	54	-9.12	-	-	-	-	150	101	V

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

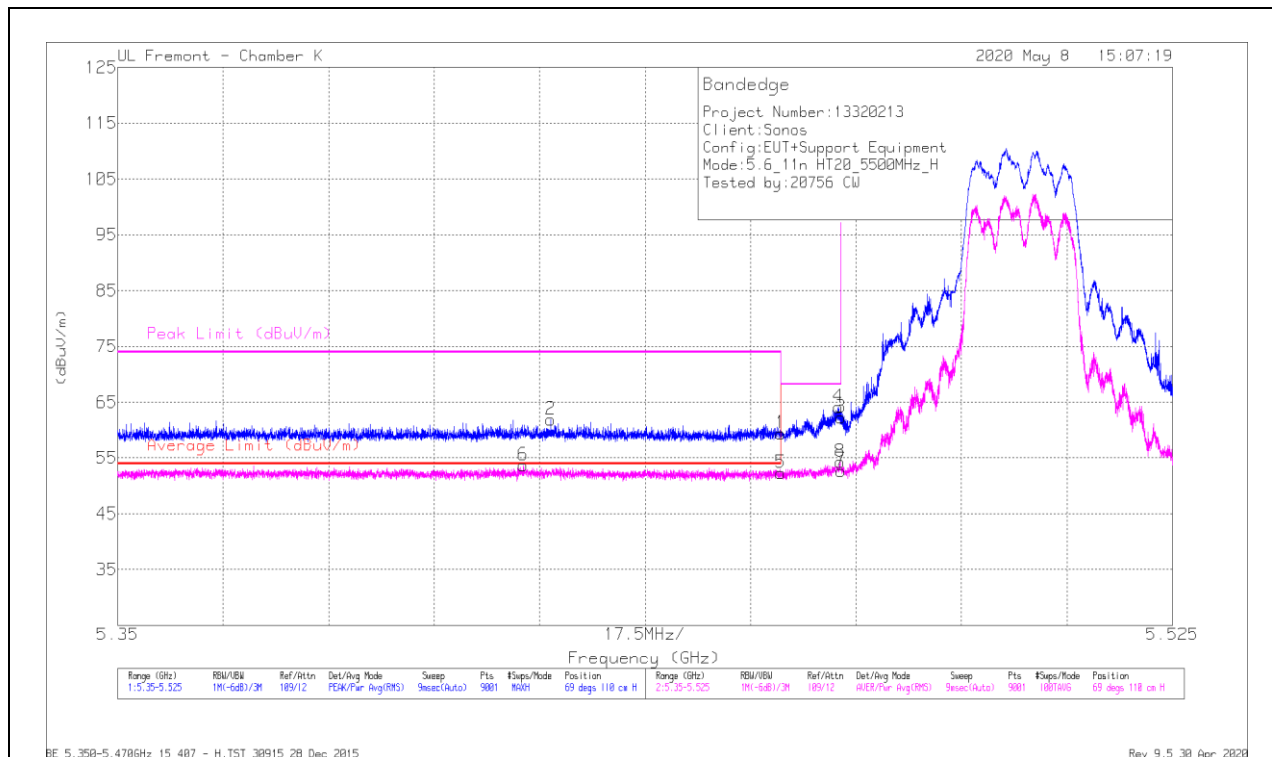
PK-U - U-NII: Maximum Peak

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



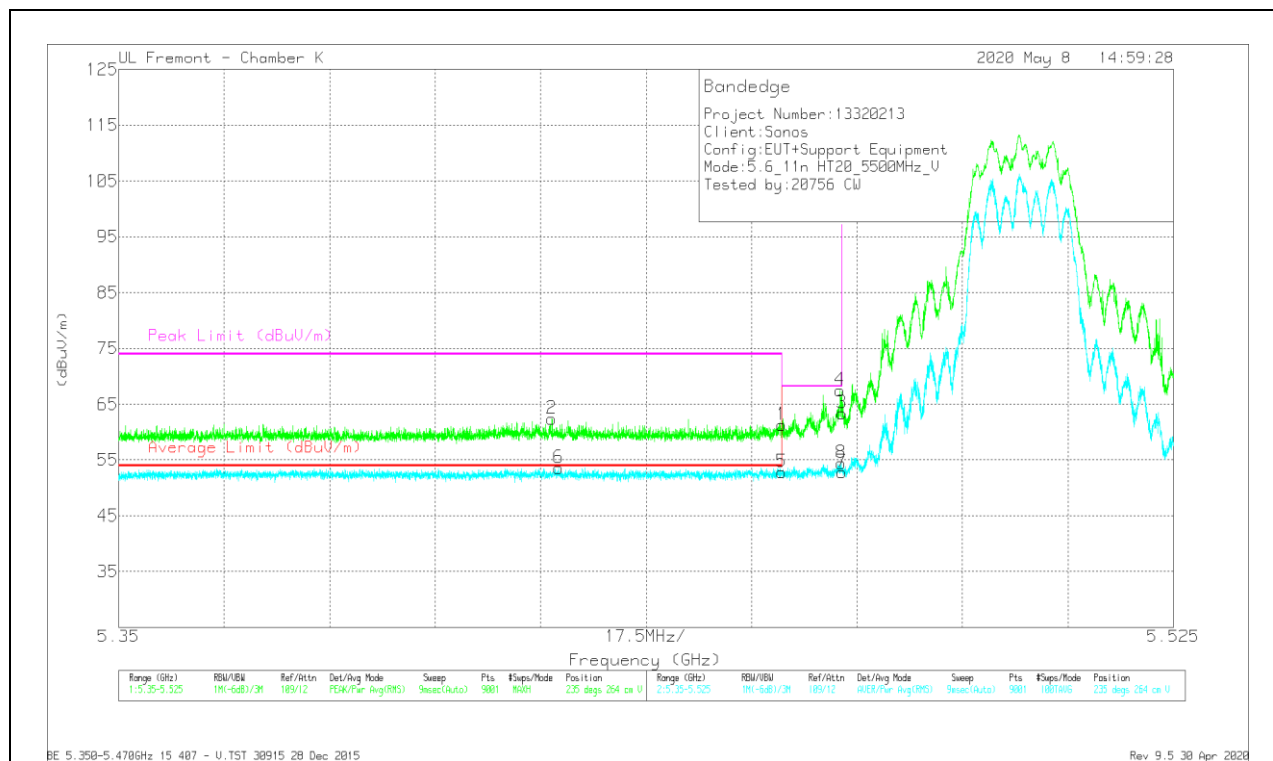
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp CM/FIR/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.45999	32.31	Pk	34.5	-7.4	0	59.41	-	-	74	-14.59	69	110	H
2	* 5.42187	34.85	Pk	34.5	-7.4	0	61.95	-	-	74	-12.05	69	110	H
3	5.46999	35.13	Pk	34.5	-7.4	0	62.23	-	-	68.2	-5.97	69	110	H
4	5.46954	37.08	Pk	34.5	-7.4	0	64.18	-	-	68.2	-4.02	69	110	H
5	* 5.45999	21.4	RMS	34.5	-7.4	3.83	52.33	54	-1.67	-	-	69	110	H
6	* 5.41732	22.73	RMS	34.5	-7.4	3.83	53.66	54	-1.34	-	-	69	110	H
7	5.46999	21.83	RMS	34.5	-7.4	3.83	52.76	-	-	-	-	69	110	H
8	5.46985	23.37	RMS	34.5	-7.4	3.83	54.3	-	-	-	-	69	110	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 CM/FIR/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.45999	34.13	PK	34.5	-7.4	0	61.23	-	-	74	-12.77	235	264	V
2	* 5.42188	35.27	PK	34.5	-7.4	0	62.37	-	-	74	-11.63	235	264	V
3	5.46999	36.26	PK	34.5	-7.4	0	63.36	-	-	68.2	-4.84	235	264	V
4	5.46972	40.34	PK	34.5	-7.4	0	67.44	-	-	68.2	-7.6	235	264	V
5	* 5.45999	21.91	RMS	34.5	-7.4	3.83	52.84	54	-1.16	-	-	235	264	V
6	* 5.42297	22.65	RMS	34.5	-7.4	3.83	53.58	54	-4.2	-	-	235	264	V
7	5.46999	21.89	RMS	34.5	-7.4	3.83	52.82	-	-	-	-	235	264	V
8	5.46987	23.54	RMS	34.5	-7.4	3.83	54.47	-	-	-	-	235	264	V

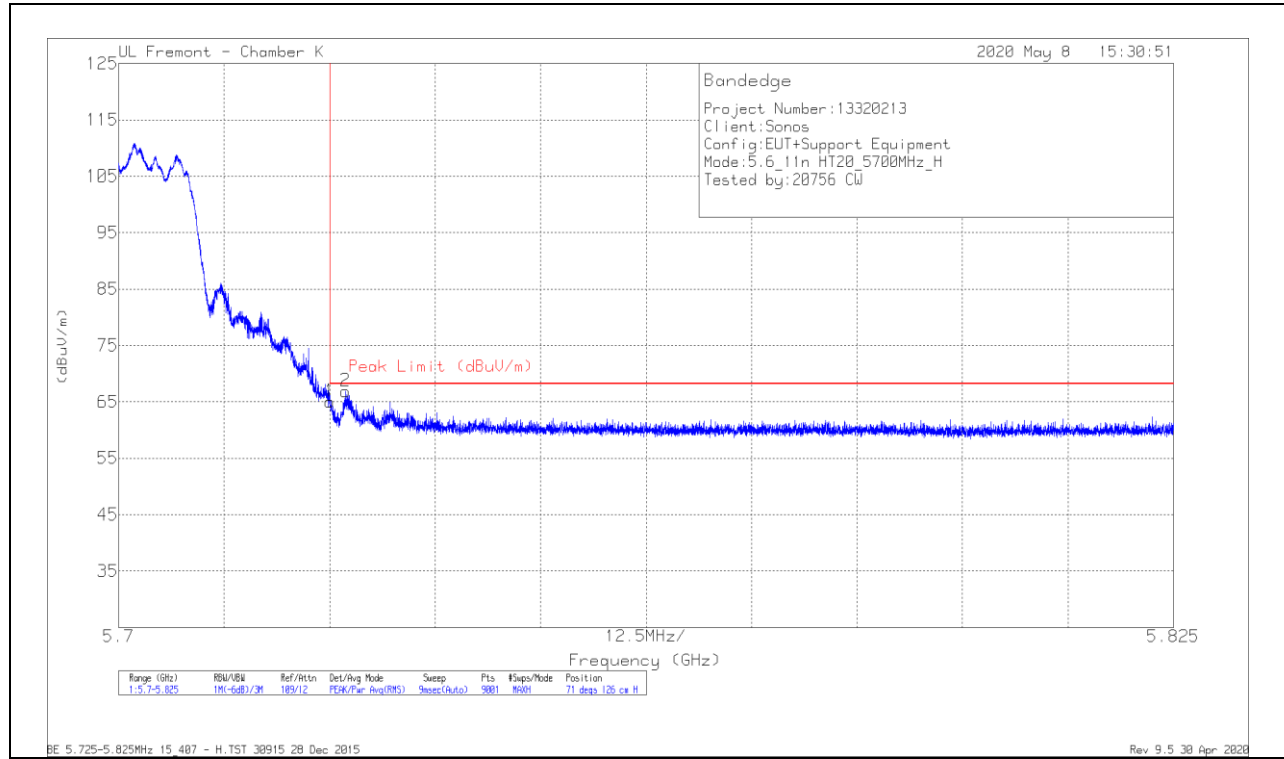
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

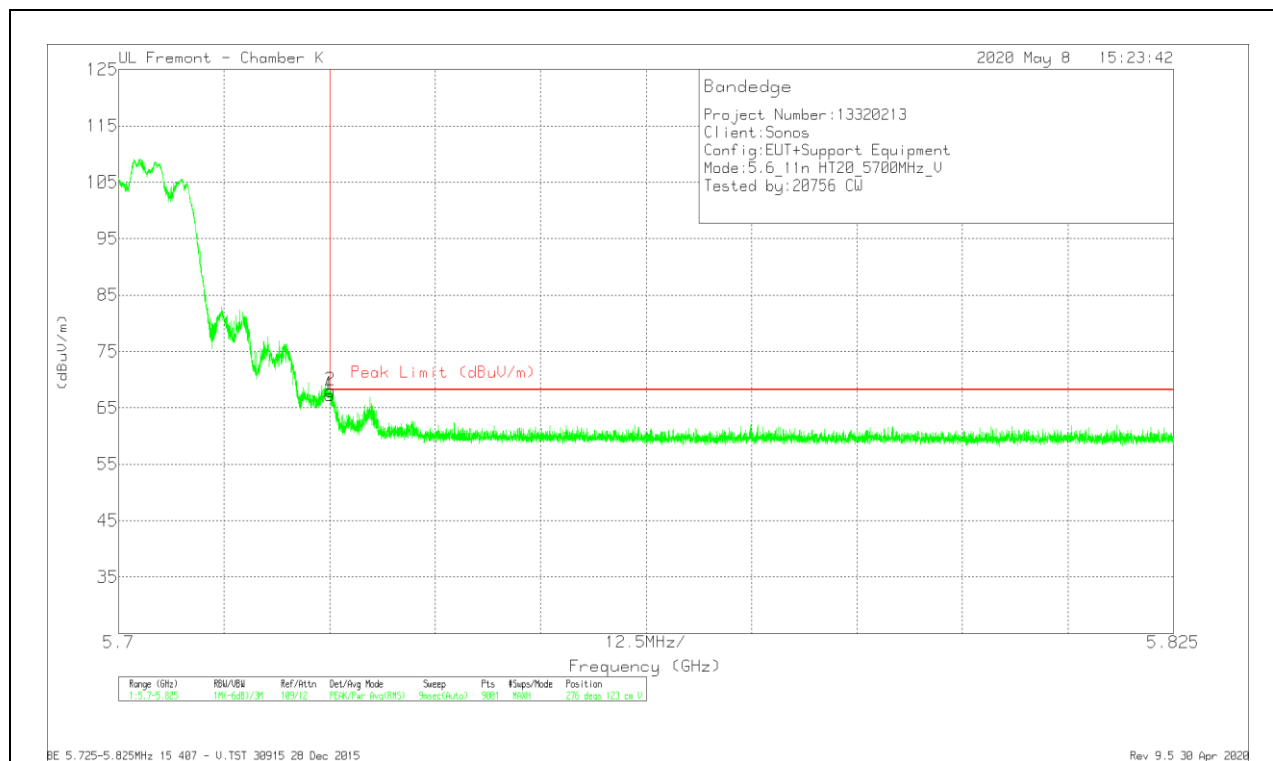
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp/Cbl/Filtr/Par d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.03	Pk	34.8	-6.8	0	65.03	68.2	-3.17	71	126	H
2	5.72686	38.86	Pk	34.8	-6.8	0	66.86	68.2	-1.34	71	126	H

Pk - Peak detector

VERTICAL RESULT

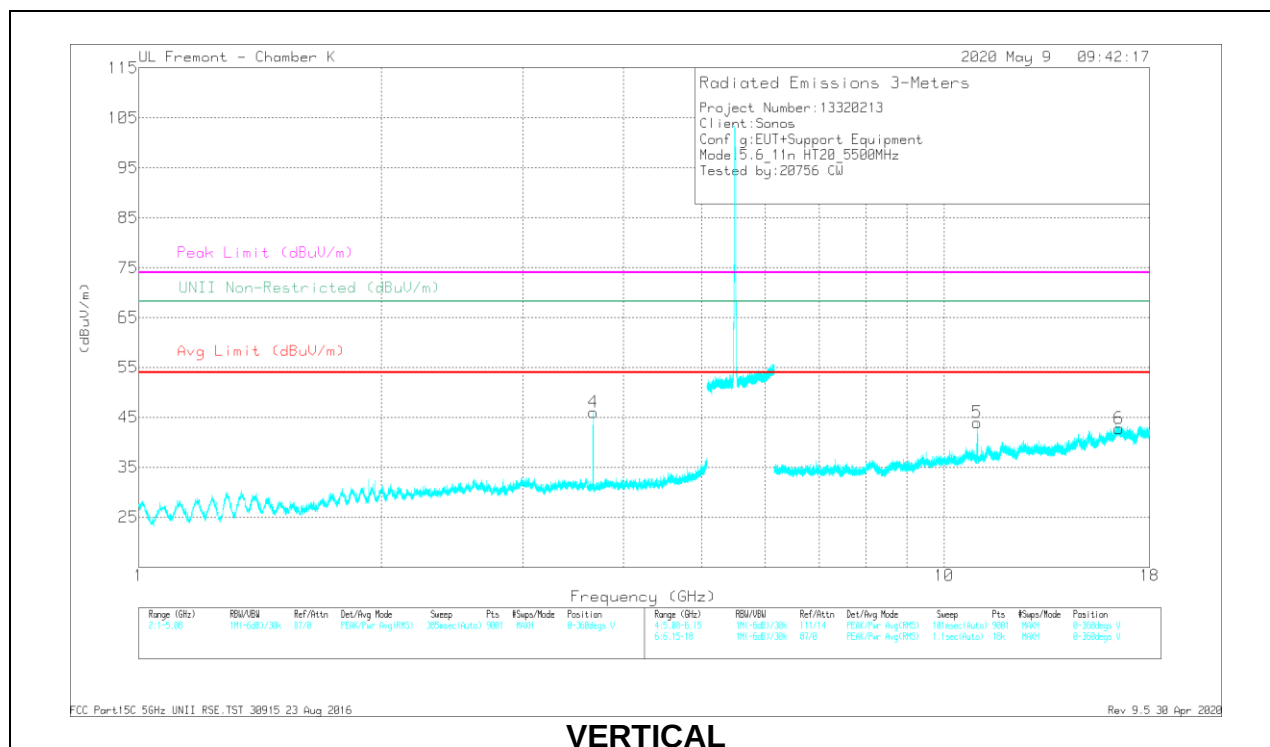
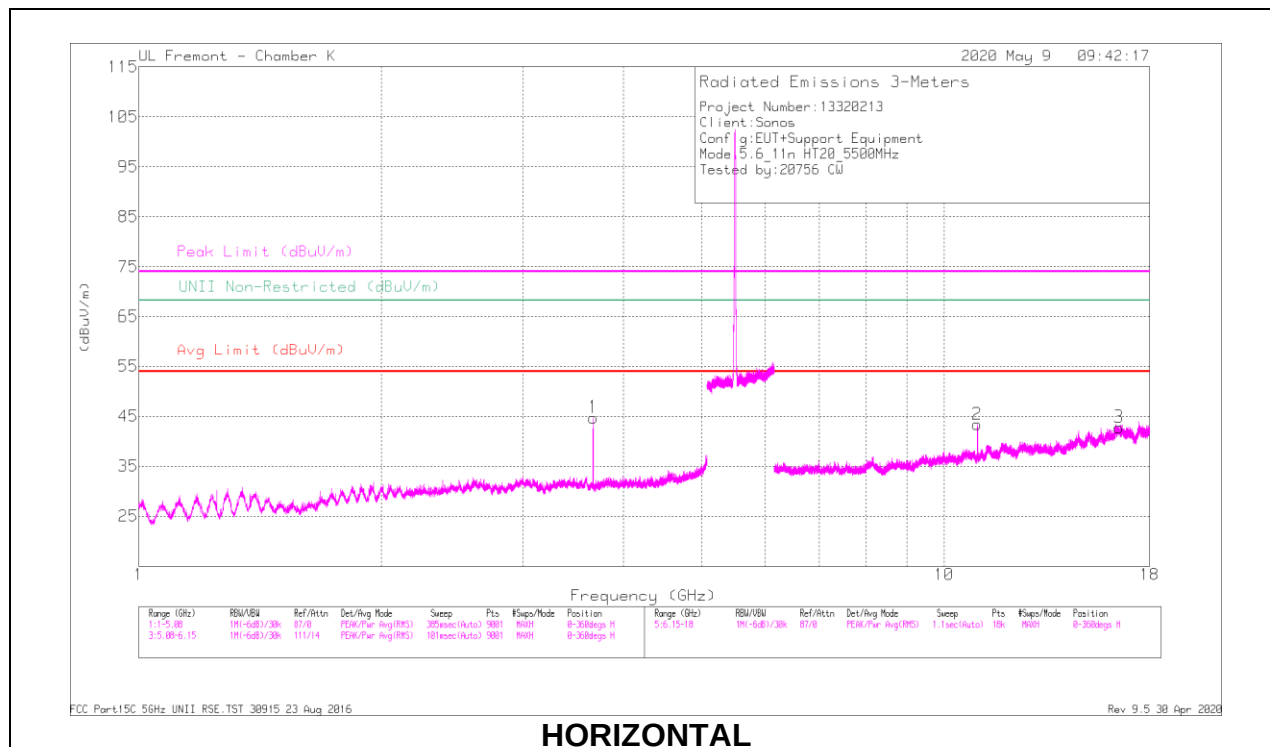


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.31	Pk	34.8	-6.8	67.31	68.2	-.89	276	123	V
2	5.72508	40.05	Pk	34.8	-6.8	68.05	68.2	-.15	276	123	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

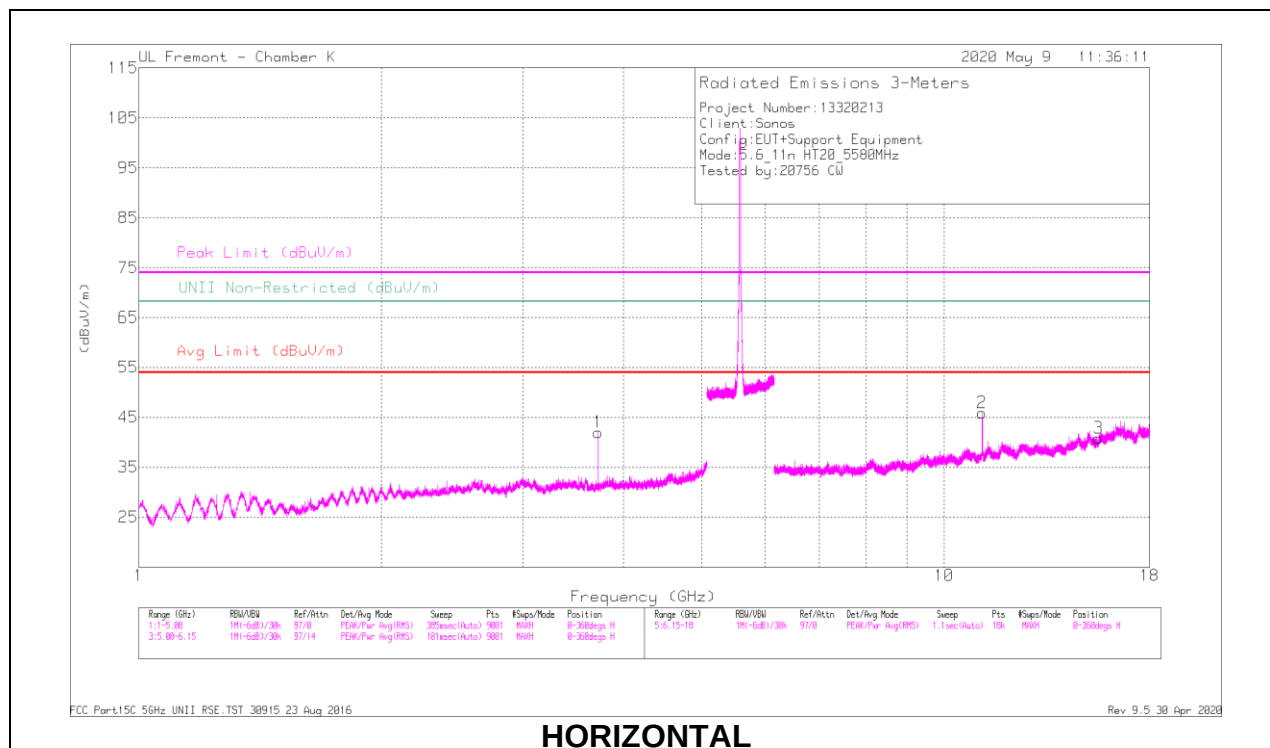
Frequency (MHz)	Meas Reading (dBuV)	Det	AF EMC424 (dBm)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
* 3.66666	57.3	PK-U	32.9	-42.1	0	-49.1	-	-	74	-25.9	-	-	100	339	H
* 3.66664	50.91	ADR	32.9	-42.1	3.83	-45.54	54	-8.46	-	-	-	-	100	339	H
* 3.66669	56.79	PK-U	32.9	-42.1	0	-47.59	-	-	74	-26.41	-	-	164	181	V
* 3.66664	49.52	ADR	32.9	-42.1	3.83	-44.15	54	-9.85	-	-	-	-	164	181	V
* 11.00012	51.47	PK-U	37.9	-37.1	0	-52.27	-	-	74	-21.73	-	-	202	96	H
* 11.00001	36.69	ADR	37.9	-37.1	3.83	-41.32	54	-12.68	-	-	-	-	202	96	H
16.5006	40.58	PK-U	40.9	-33.7	0	-47.78	-	-	-	-	68.2	-20.42	277	152	H
* 11.0012	52.64	PK-U	37.9	-37.1	0	-53.44	-	-	74	-20.56	-	-	148	112	V
* 11.00125	38.29	ADR	37.9	-37.1	3.83	-42.92	54	-11.08	-	-	-	-	148	112	V
16.48151	41.38	PK-U	40.8	-33.6	0	-48.58	-	-	-	-	68.2	-19.62	78	316	V

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

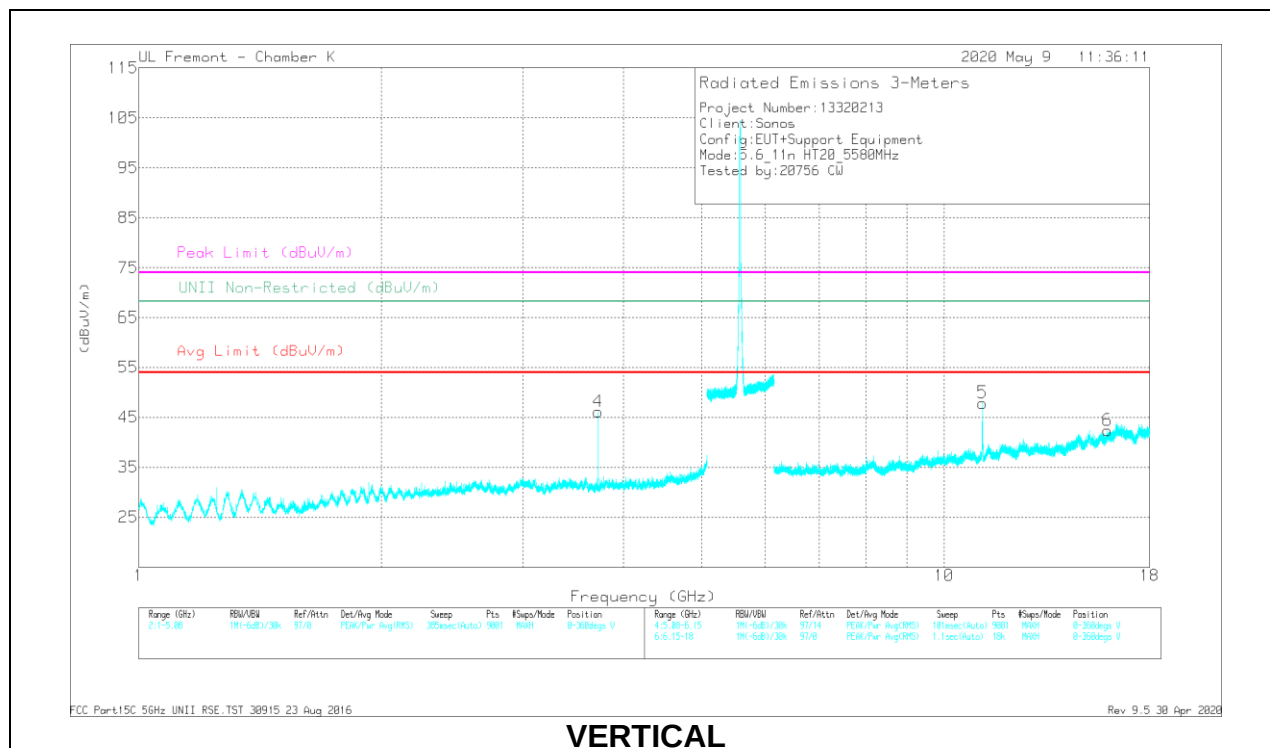
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



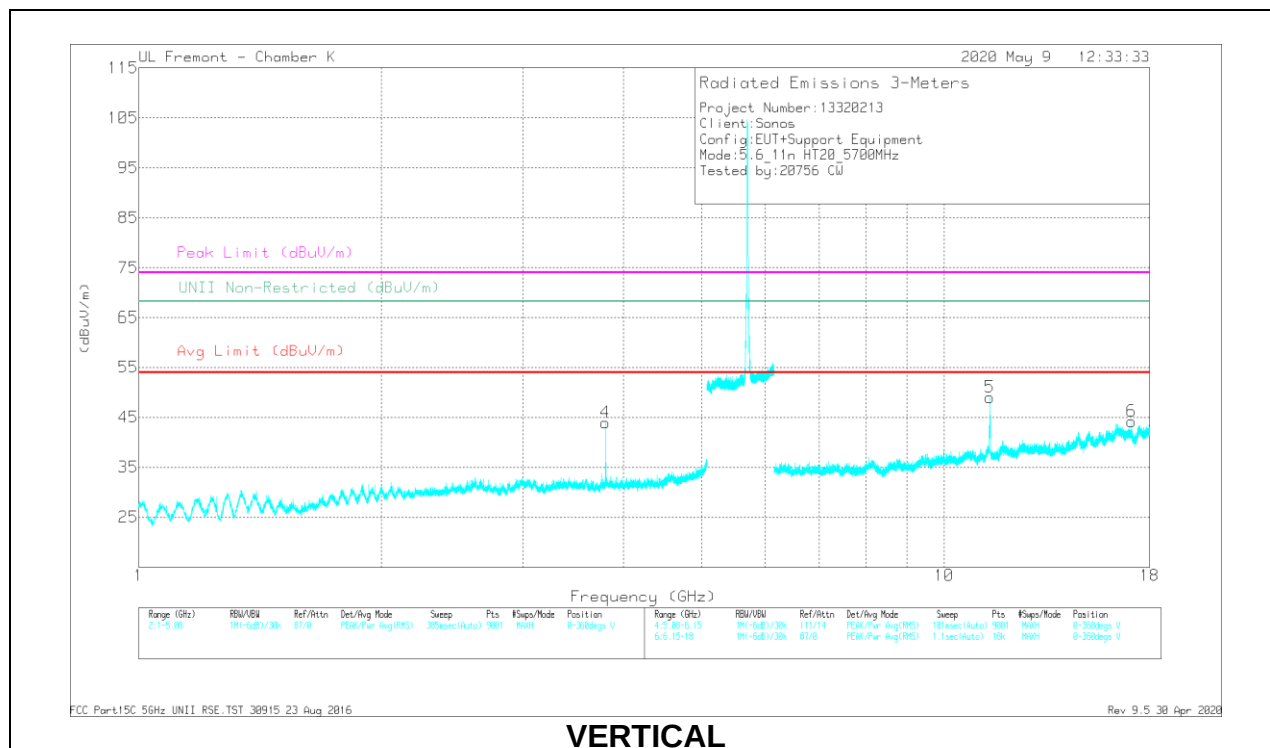
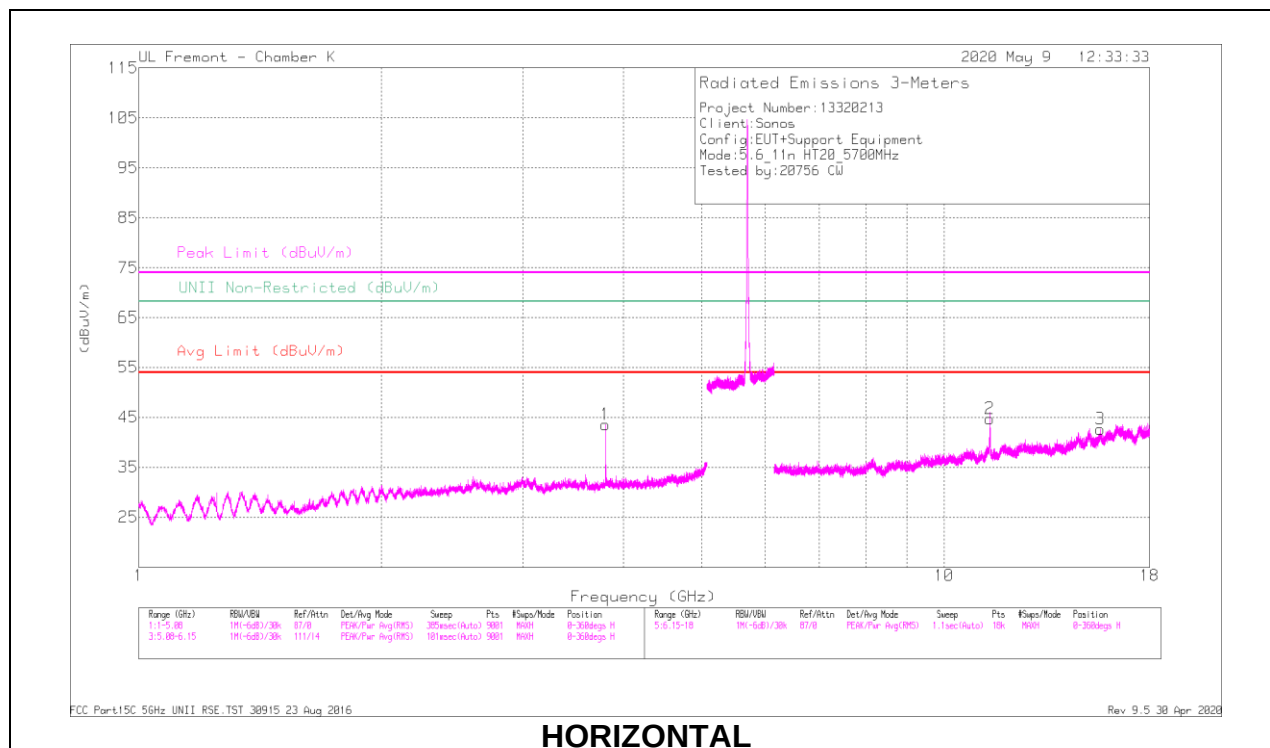
VERTICAL

RADIATED EMISSIONS

Frequency (MHz)	Meas Reading (dBm)	Det	AF EMC424 (dBm)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Limit Non-Restricted (dBm)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
* 3.72001	54.75	PK-U	33	-42.1	0	-42.1	-	-	74	-20.35	-	-	199	191	H
* 3.71996	47.94	ADR	33	-42.1	3.83	-42.57	54	-11.43	-	-	-	-	199	191	H
* 3.71998	58.38	PK-U	33	-42.1	0	-42.1	-	-	74	-24.72	-	-	180	204	V
* 3.71997	52.15	ADR	33	-42.1	3.83	-46.88	54	-7.12	-	-	-	-	180	204	V
* 11.15536	55.35	PK-U	38	-36.7	0	-36.7	-	-	74	-17.65	-	-	207	194	H
* 11.15568	36.7	ADR	38	-36.7	3.83	-41.83	54	-12.17	-	-	-	-	207	194	H
* 15.5645	41.71	PK-U	40.1	-33.8	0	-33.8	-	-	74	-25.99	-	-	188	334	H
* 15.5645	31.43	ADR	40.1	-33.8	3.83	-41.56	54	-12.44	-	-	-	-	188	334	H
* 15.56411	41.8	PK-U	40.1	-33.8	0	-33.8	-	-	74	-25.9	-	-	188	334	H
* 15.5645	31.79	ADR	40.1	-33.8	3.83	-41.92	54	-12.08	-	-	-	-	188	334	H
* 11.16557	53.62	PK-U	38	-36.7	0	-36.7	-	-	74	-19.08	-	-	204	136	V
* 11.16506	37.25	ADR	38	-36.7	3.83	-42.38	54	-11.62	-	-	-	-	204	136	V
* 15.95546	42.35	PK-U	40.3	-33.2	0	-33.2	-	-	74	-24.55	-	-	30	147	V
* 15.95553	31.12	ADR	40.3	-33.2	3.83	-42.05	54	-11.95	-	-	-	-	30	147	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)	Det	AF EMC424 (dBm)	Amp/Cable/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
* 3.79995	54.92	PK-U	33.4	-42	0	48.92	-	-	74	-27.68	-	-	207	165	H
* 3.79997	46.57	ADR	33.4	-42	3.83	41.8	54	-12.2	-	-	-	-	207	165	H
* 3.79995	56.88	PK-U	33.4	-42	0	48.28	-	-	74	-25.72	-	-	336	99	V
* 3.79997	49.62	ADR	33.4	-42	3.83	44.85	54	-9.15	-	-	-	-	336	99	V
* 11.40053	52.28	PK-U	38.2	-38.2	0	54.28	-	-	74	-19.72	-	-	143	96	H
* 11.40031	37.33	ADR	38.2	-38.2	3.83	43.16	54	-10.84	-	-	-	-	143	96	H
* 15.64548	41	PK-U	40.1	-33.5	0	47.6	-	-	74	-26.4	-	-	310	300	H
* 15.64508	31.94	ADR	40	-33.5	3.83	42.27	54	-11.73	-	-	-	-	310	300	H
* 11.39997	55.36	PK-U	38.2	-38.2	0	57.36	-	-	74	-16.62	-	-	125	144	V
* 11.39975	39.13	ADR	38.2	-38.2	3.83	44.96	54	-9.04	-	-	-	-	125	144	V
17.09822	42.98	PK-U	40.4	-33.3	0	50.08	-	-	-	-	68.2	-18.12	109	99	V

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

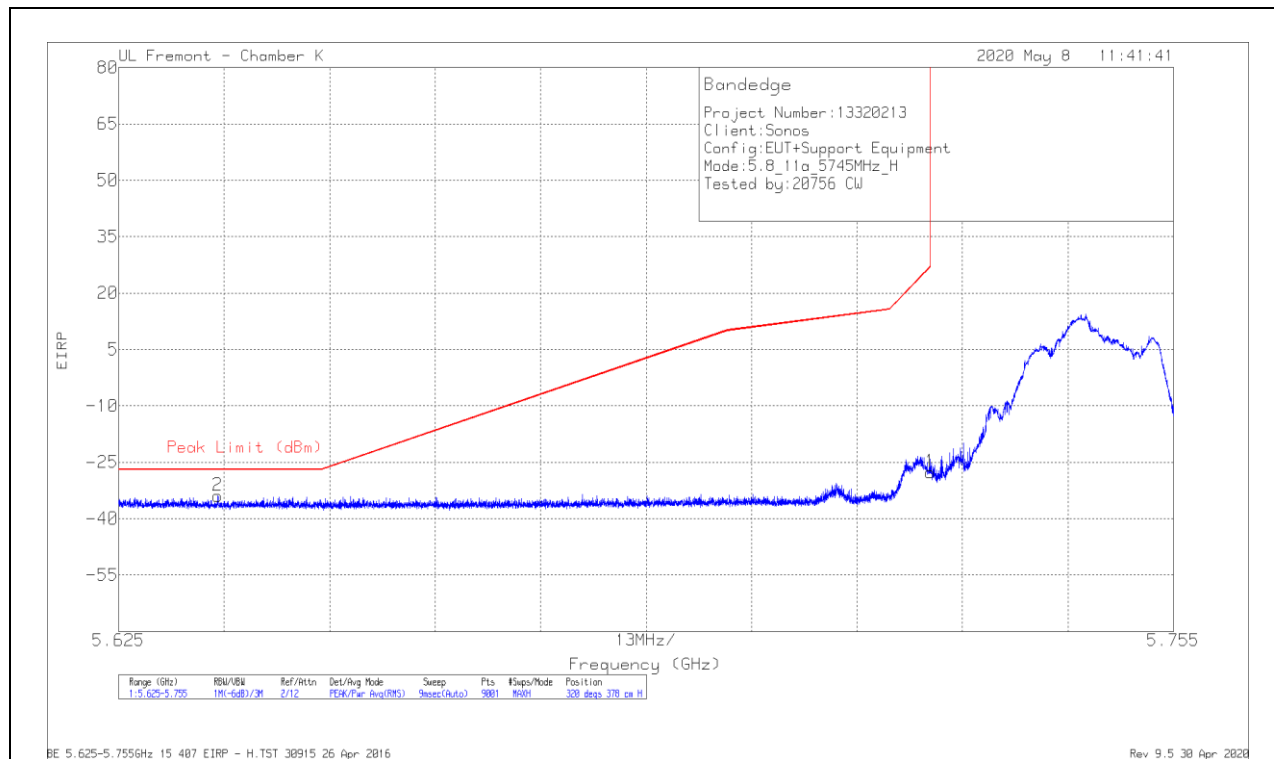
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

BANDEDGE (LOW CHANNEL)

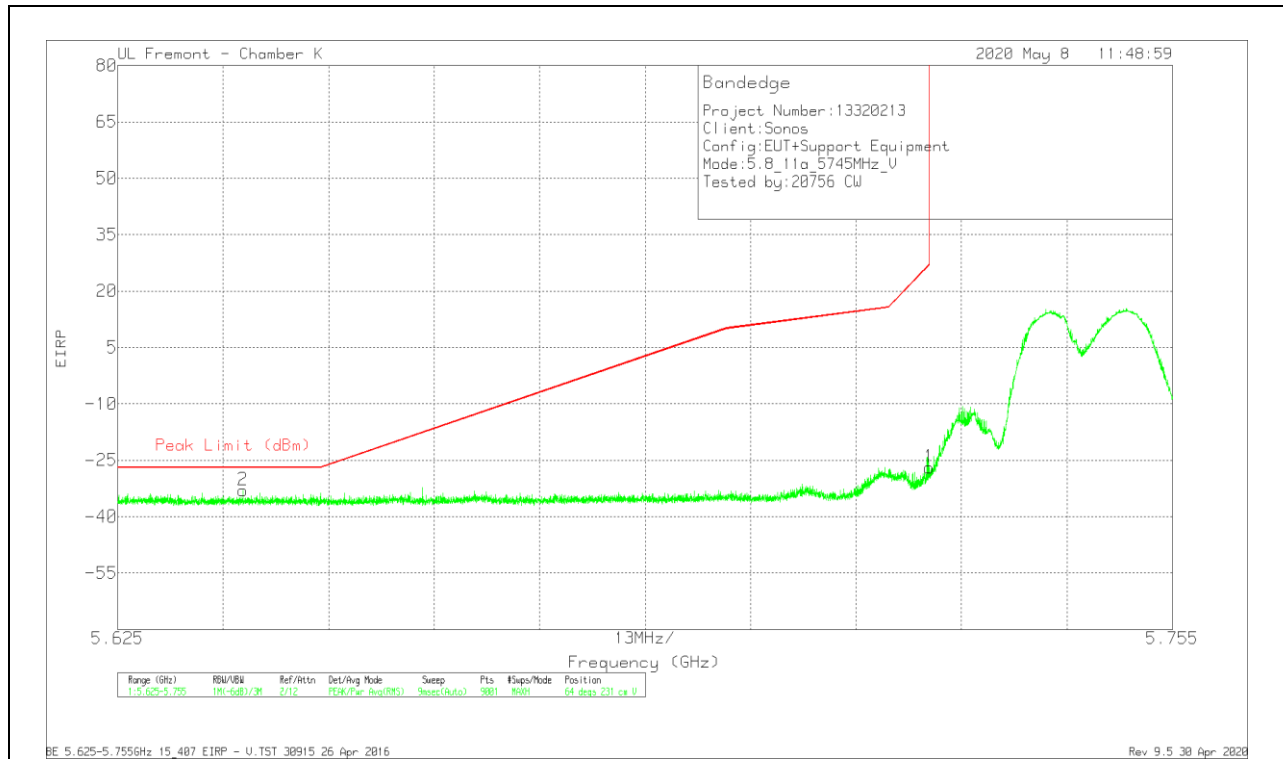
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbll/Filtr/Pa d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-67.37	Pk	34.8	-6.8	11.8	-27.57	26.99	-54.56	320	378	H
2	5.63723	-73.66	Pk	34.7	-6.8	11.8	-33.96	-27	-6.96	320	378	H

Pk - Peak detector

VERTICAL RESULT

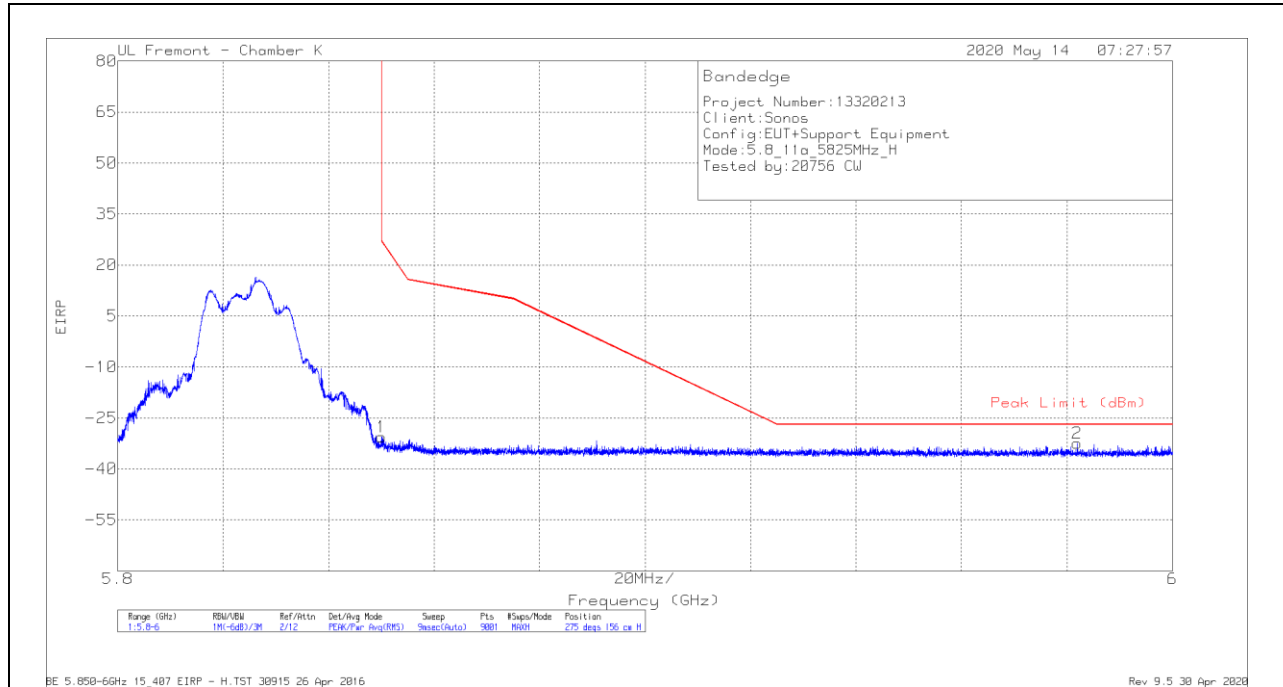


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbl/Filtr/Pa d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-66.72	Pk	34.8	-6.8	11.8	-26.92	26.99	-53.91	64	231	V
2	5.64046	-72.87	Pk	34.8	-6.8	11.8	-33.07	-27	-6.07	64	231	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

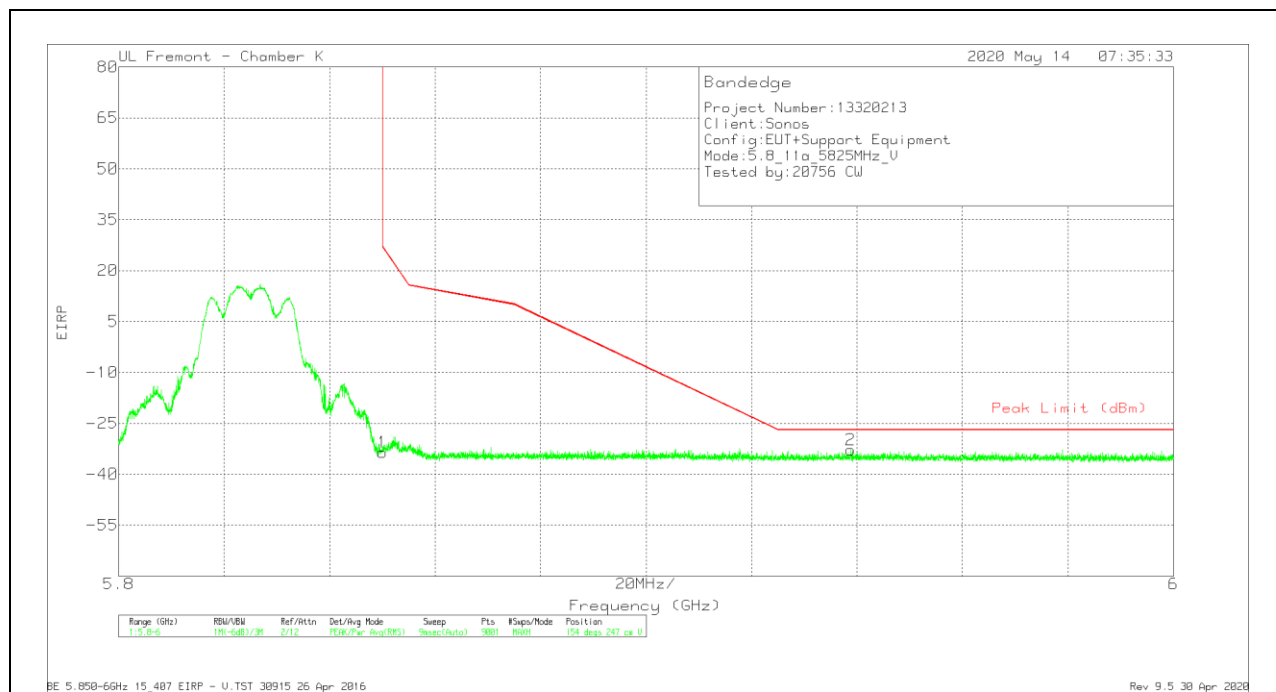
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/KCbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-70.88	Pk	35	-6.5	11.8	-30.58	26.95	-57.53	275	156	H
2	5.98198	-73.02	Pk	35.1	-6.3	11.8	-32.42	-27	-5.42	275	156	H

Pk - Peak detector

VERTICAL RESULT

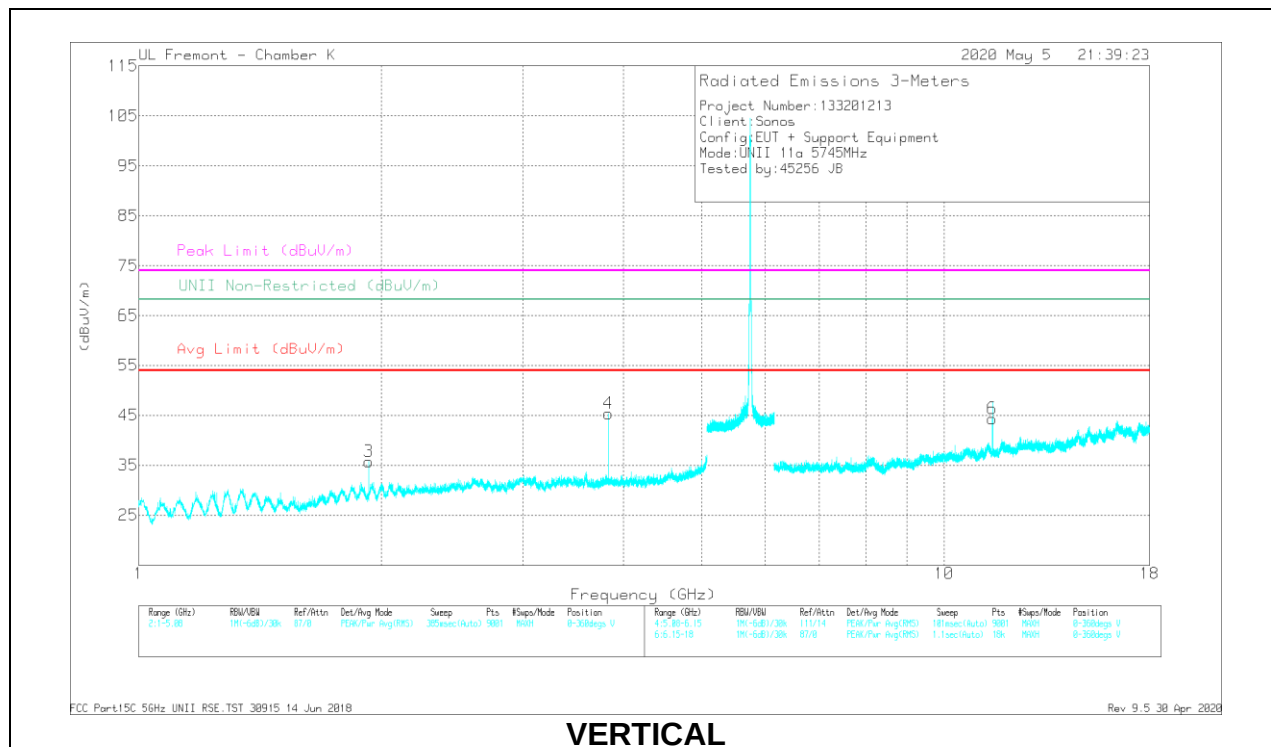
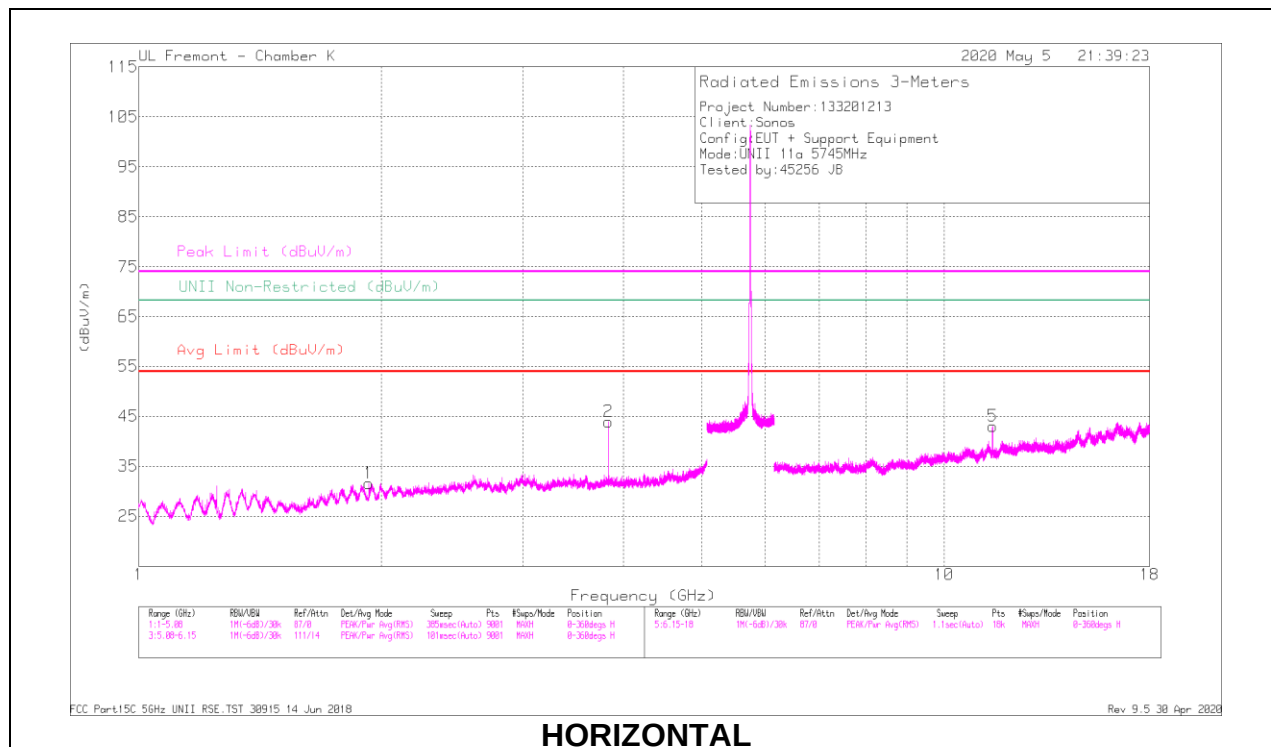


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-73.81	Pk	35	-6.5	11.8	-33.51	26.95	-60.46	154	247	V
2	5.9388	-73.4	Pk	35.1	-6.3	11.8	-32.8	-27	-5.8	154	247	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

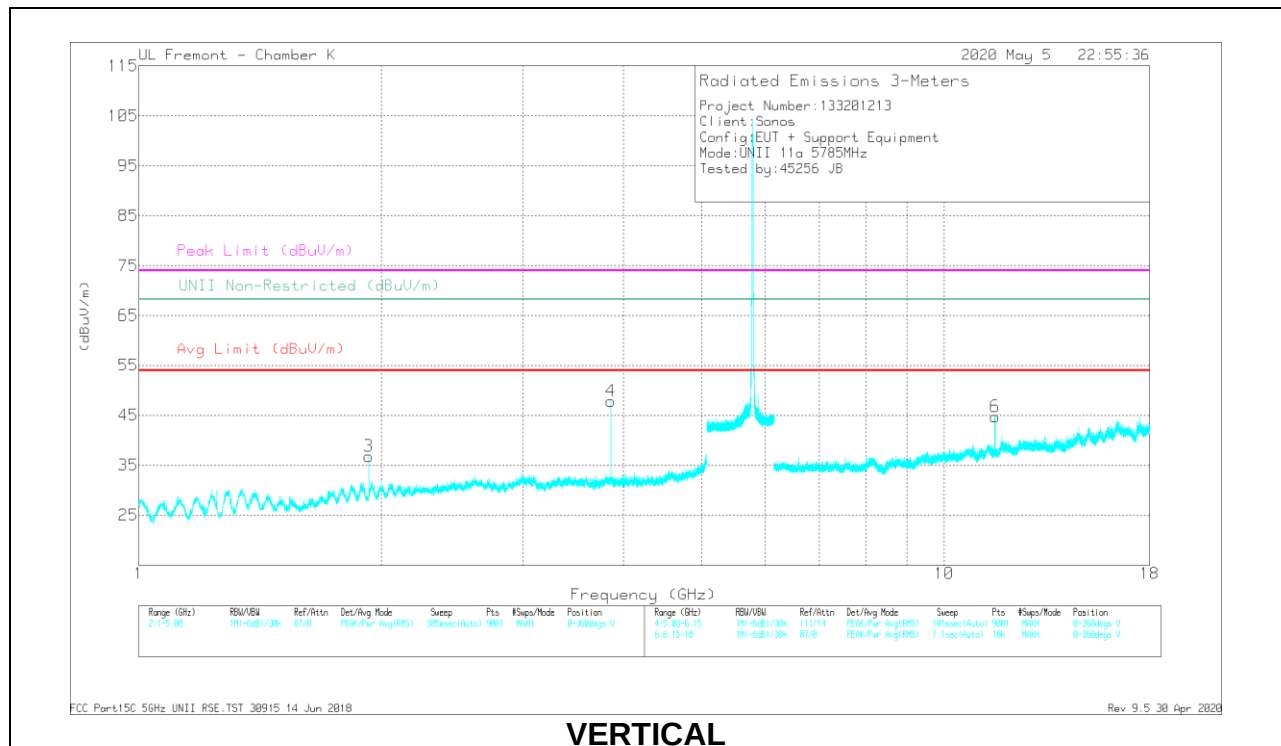
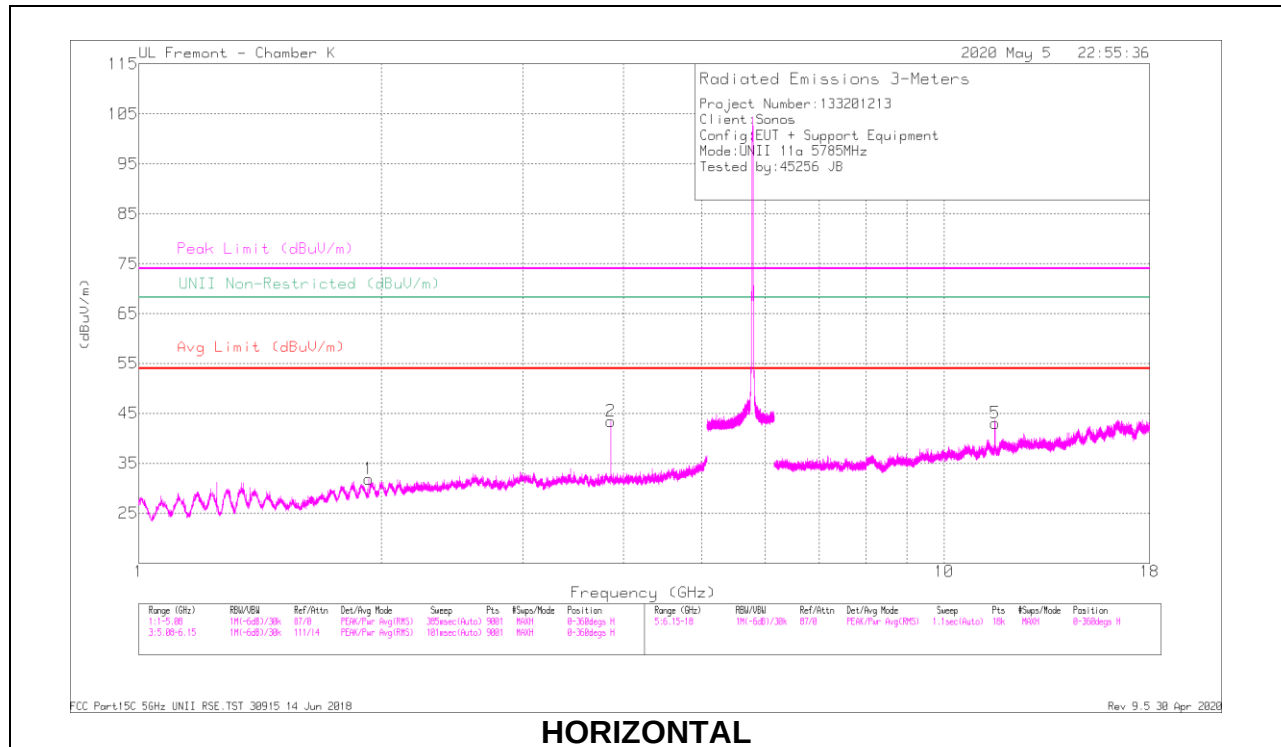
Frequency (MHz)	Meas Reading (dBm)	Det	AF EMC424 (dBm)	Ampl/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
1.93006	55.24	PK-U	31.1	-45.6	0	40.71	-	-	-	-	68.2	-27.49	56	265	H
* 3.83	53.3	PK-U	33.3	-42	0	44.6	-	-	74	-29.4	-	-	30	119	H
* 3.82997	45.89	ADR	33.3	-42	2.93	40.12	54	-13.88	-	-	-	-	30	119	H
1.93002	56.82	PK-U	31.1	-45.6	0	42.32	-	-	-	-	68.2	-25.88	16	199	V
* 3.82999	55.53	PK-U	33.3	-42	0	49.93	-	-	74	-24.07	-	-	176	337	V
* 3.82997	52.95	ADR	33.3	-42	2.93	47.19	54	-6.82	-	-	-	-	176	337	V
* 11.49116	52.71	PK-U	38.3	-36.4	0	54.61	-	-	74	-19.39	-	-	221	103	H
* 11.49107	37.94	ADR	38.3	-36.4	2.93	42.77	54	-11.23	-	-	-	-	221	103	H
* 11.48301	49.15	PK-U	38.3	-36.4	0	51.03	-	-	74	-22.97	-	-	221	99	V
* 11.48332	36.59	ADR	38.3	-36.4	2.93	40.42	54	-13.58	-	-	-	-	221	99	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

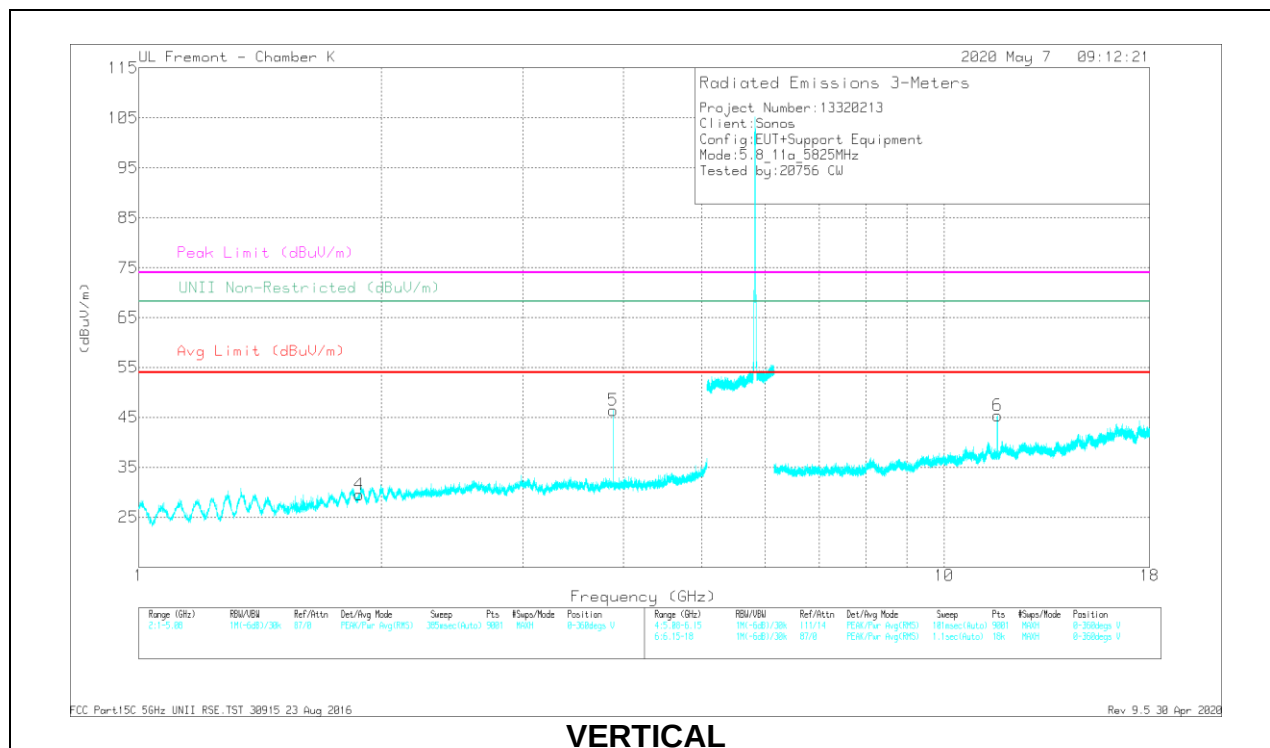
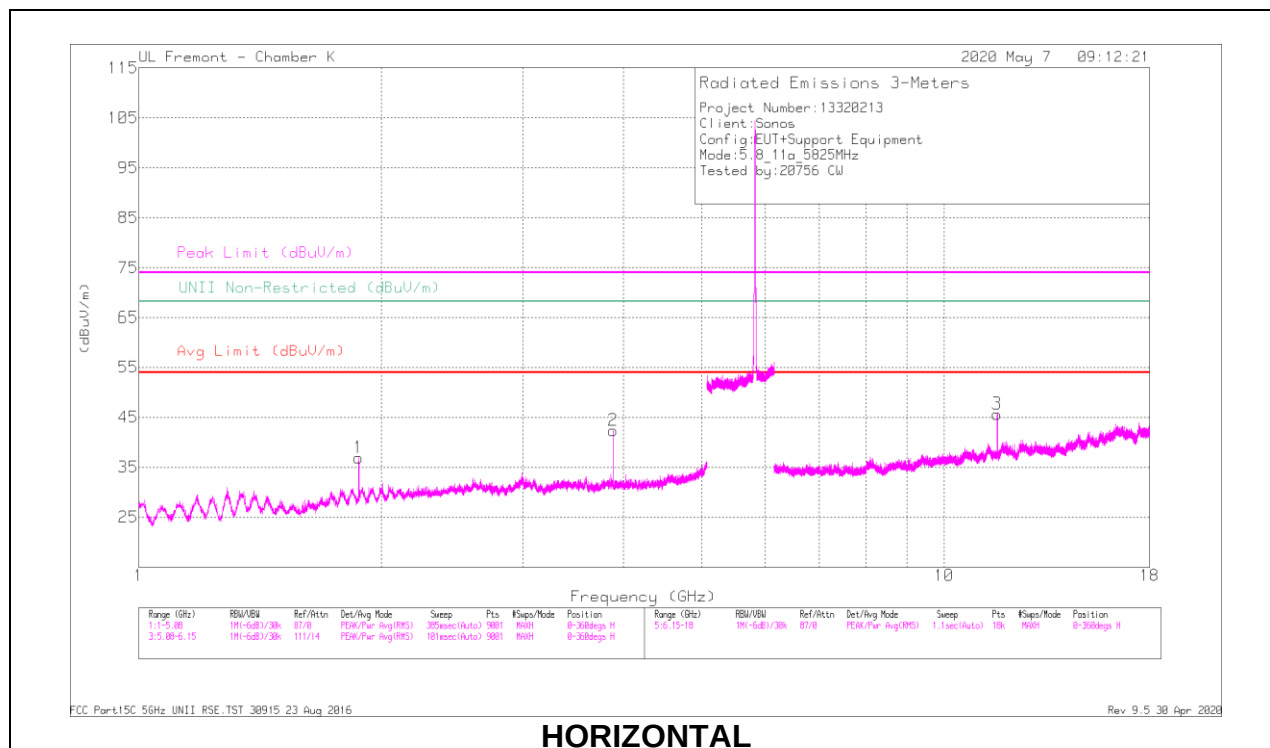
Frequency (MHz)	Meas Reading (dBm)	Det	AF EMC424 (dBm)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
1.9312	54.52	PK-U	31.1	-45.6	0	40.02	-	-	-	-	68.2	-28.18	310	264	H
* 3.85601	53.55	PK-U	33.5	-41.9	0	45.15	-	-	74	-28.85	-	-	30	116	H
* 3.85664	46.87	ADR	33.5	-41.9	2.93	41.40	54	-12.60	-	-	-	-	30	116	H
1.93149	57.94	PK-U	31.1	-45.6	0	43.44	-	-	-	-	68.2	-24.76	119	302	V
* 3.85666	57.07	PK-U	33.5	-41.9	0	45.67	-	-	74	-25.33	-	-	329	100	V
* 3.85664	51.88	ADR	33.5	-41.9	2.93	46.41	54	-7.59	-	-	-	-	329	100	V
* 11.57179	50.38	PK-U	38.4	-36.2	0	52.58	-	-	74	-21.42	-	-	202	99	H
* 11.57112	36.37	ADR	38.4	-36.2	2.93	41.50	54	-12.50	-	-	-	-	202	99	H
* 11.57117	53.01	PK-U	38.4	-36.2	0	55.21	-	-	74	-16.79	-	-	161	99	V
* 11.57108	37.75	ADR	38.4	-36.2	2.93	42.88	54	-11.12	-	-	-	-	161	99	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 (dBm)	Det	AF EMC424 (dBm)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBm)	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
1.87562	51.36	PK-U	31.1	-45.8	0	-34.66	-	-	-	-	68.2	-31.54	311	122	H
* 3.88345	54.19	PK-U	33.3	-41.8	0	-45.69	-	-	74	-28.31	-	-	14	145	H
* 3.88345	45.93	ADR	33.3	-41.8	2.93	-40.36	54	-13.64	-	-	-	-	14	145	H
1.88092	52.38	PK-U	30.9	-45.8	0	-37.48	-	-	-	-	68.2	-30.72	154	263	V
* 3.88329	57.62	PK-U	33.4	-41.8	0	-49.22	-	-	74	-24.78	-	-	329	99	V
* 3.8833	51.7	ADR	33.4	-41.8	2.93	-46.23	54	-7.77	-	-	-	-	329	99	V
* 11.64626	49.89	PK-U	38.5	-35.7	0	-52.69	-	-	74	-21.31	-	-	138	254	H
* 11.64489	34.43	ADR	38.5	-35.7	2.93	-40.16	54	-13.84	-	-	-	-	138	254	H
* 11.64536	52.15	PK-U	38.5	-35.7	0	-54.95	-	-	74	-19.05	-	-	168	112	V
* 11.64646	36.71	ADR	38.5	-35.7	2.93	-42.44	54	-11.56	-	-	-	-	168	112	V

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

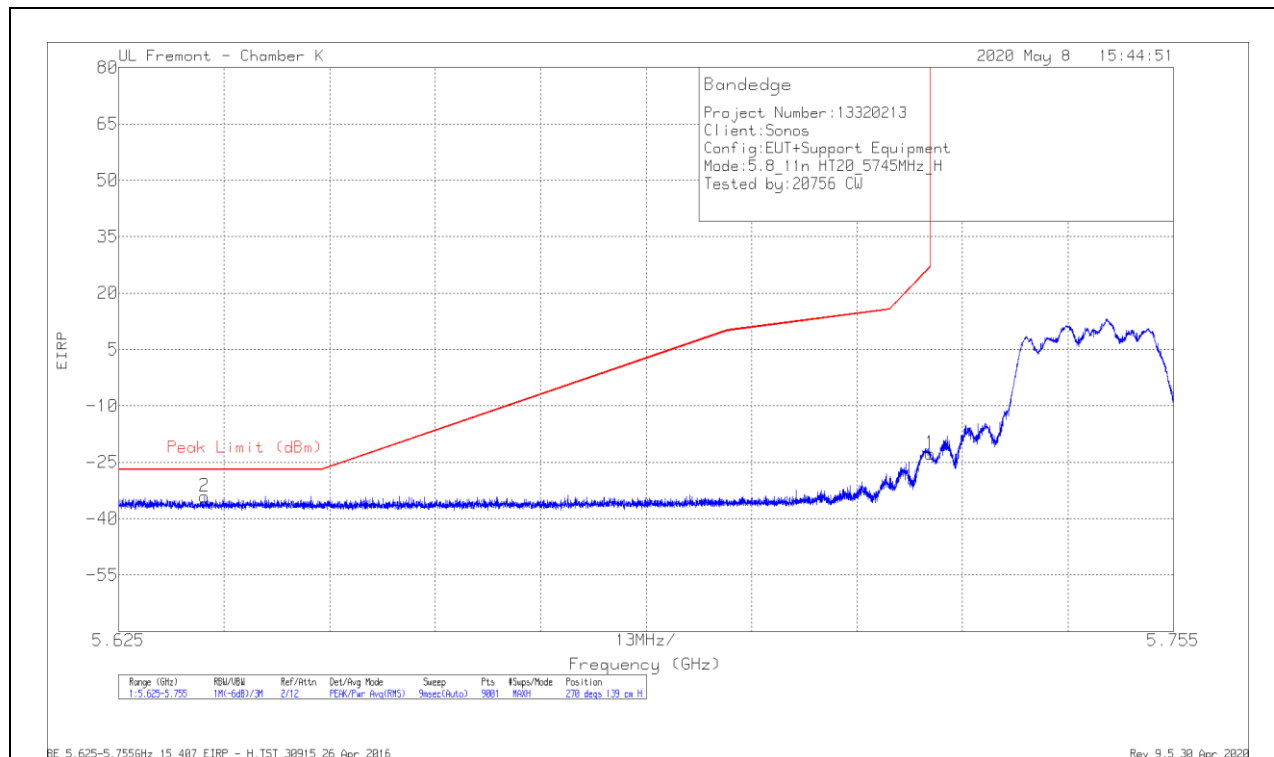
PK-U - U-NII: Maximum Peak

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

BANDEDGE (LOW CHANNEL)

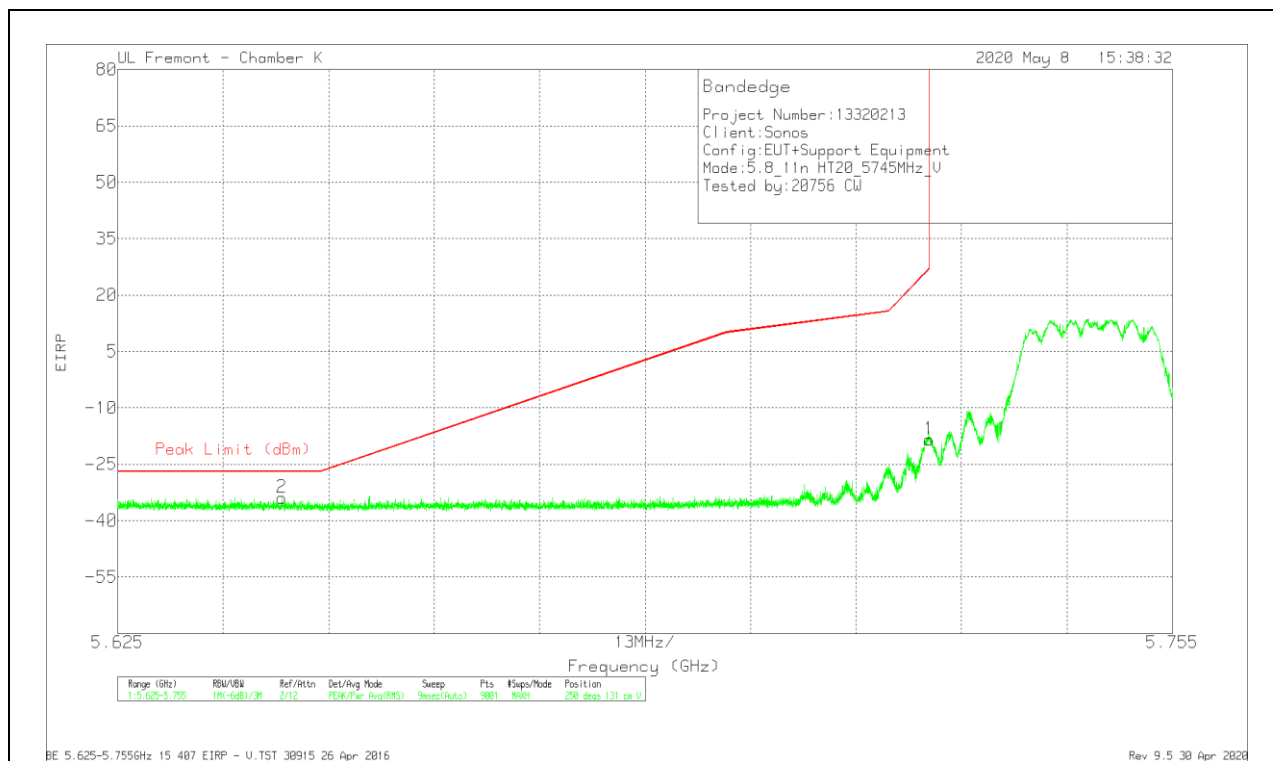
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/CbI/Filtr/Pa d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-62.5	Pk	34.8	-6.8	11.8	-22.7	26.99	-49.69	270	139	H
2	5.63559	-73.76	Pk	34.7	-6.8	11.8	-34.06	-27	-7.06	270	139	H

Pk - Peak detector

VERTICAL RESULT

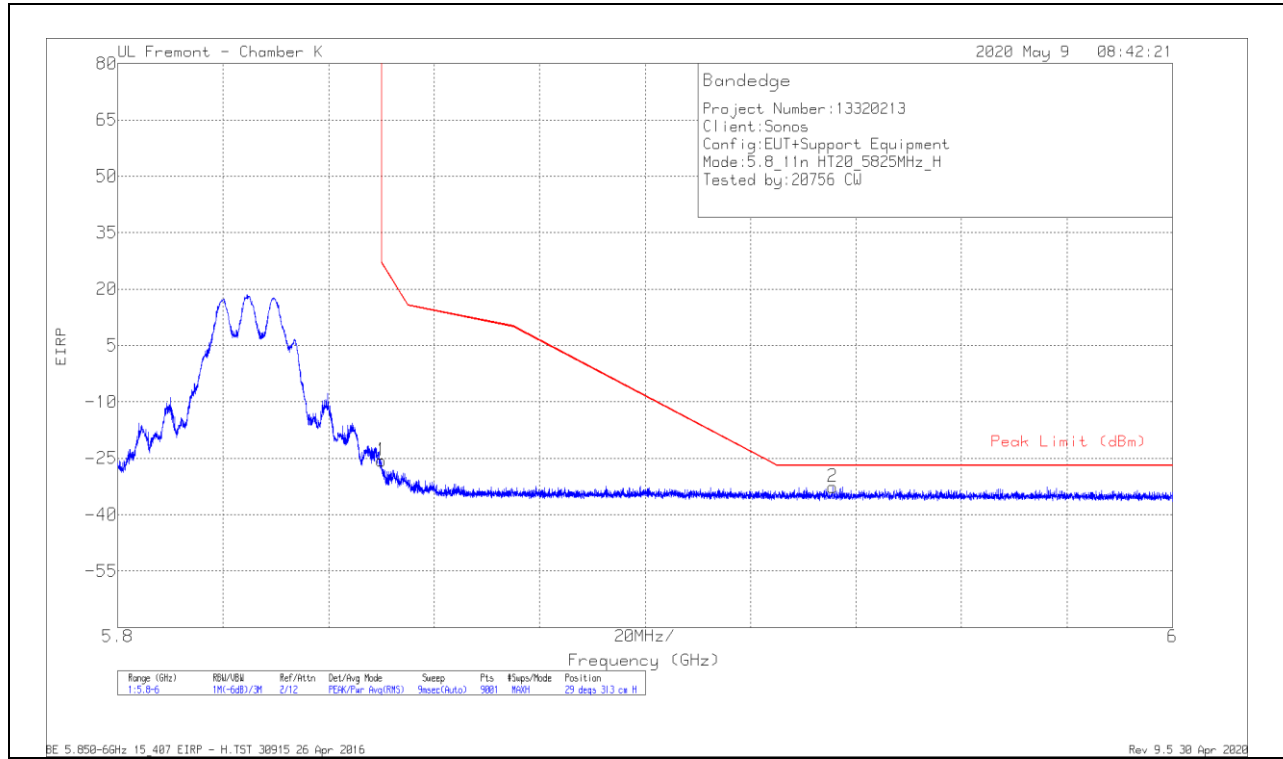


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbl/Filtr/Pa d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-58.17	Pk	34.8	-6.8	11.8	-18.37	26.99	-45.36	250	131	V
2	5.64526	-73.67	Pk	34.8	-6.8	11.8	-33.87	-27	-6.87	250	131	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

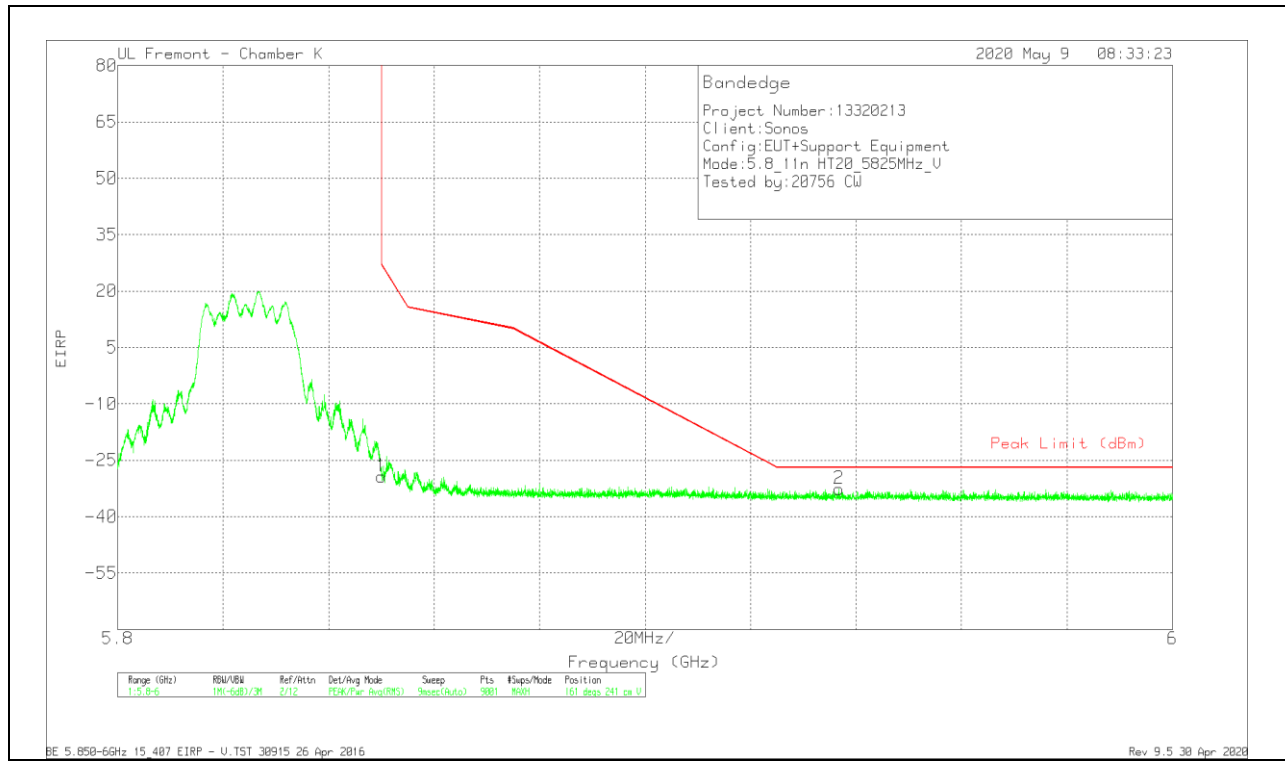
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/CbI/Filt/Pa d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-65.97	Pk	35	-6.5	11.8	-25.67	26.95	-52.62	29	313	H
2	5.9356	-73.17	Pk	35.1	-6.4	11.8	-32.67	-27	-5.67	29	313	H

Pk - Peak detector

VERTICAL RESULT

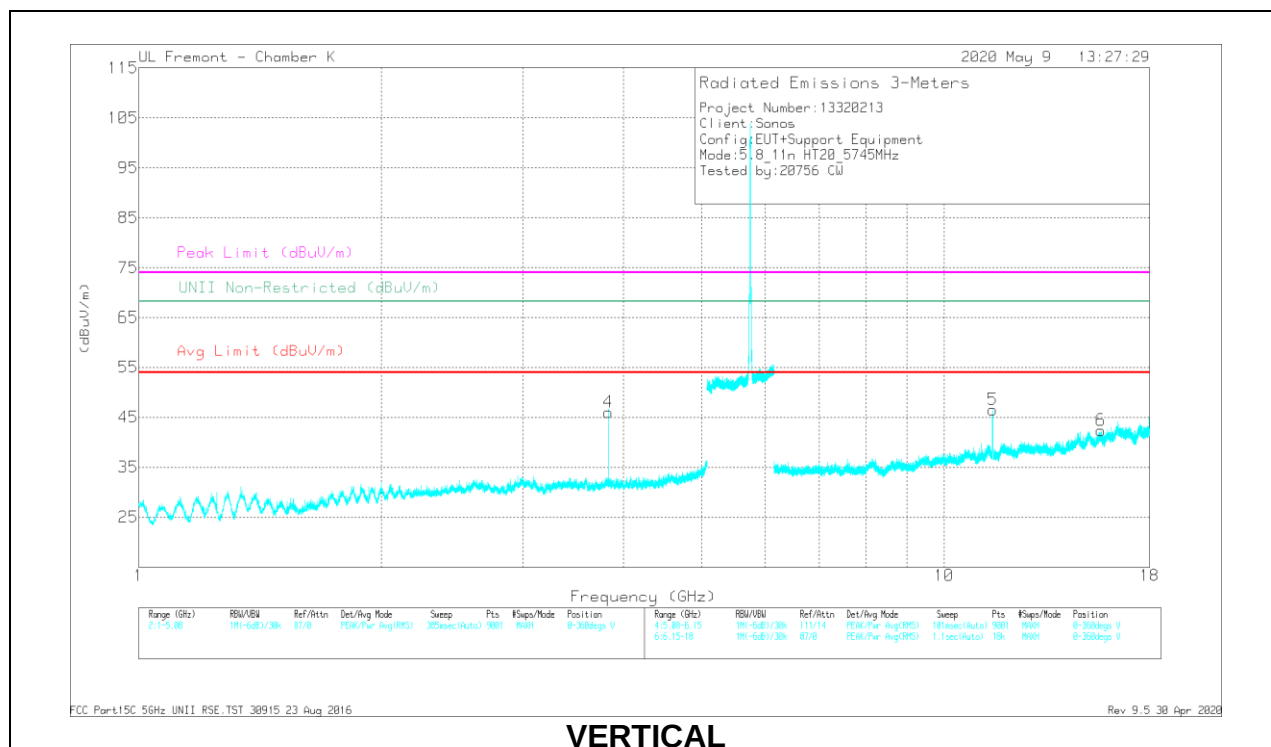
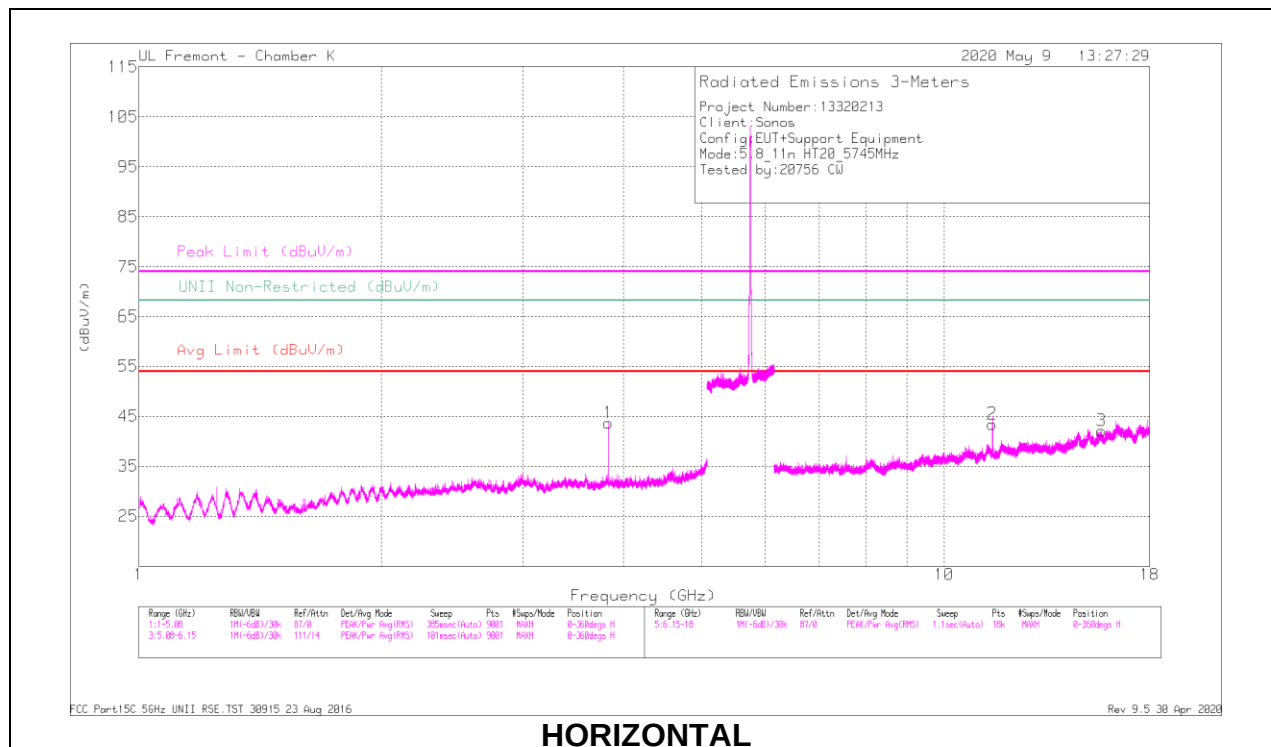


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbll/Filtr/Pa d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-69.53	Pk	35	-6.5	11.8	-29.23	26.95	-56.18	161	241	V
2	5.93678	-73.1	Pk	35.1	-6.4	11.8	-32.6	-27	-5.6	161	241	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

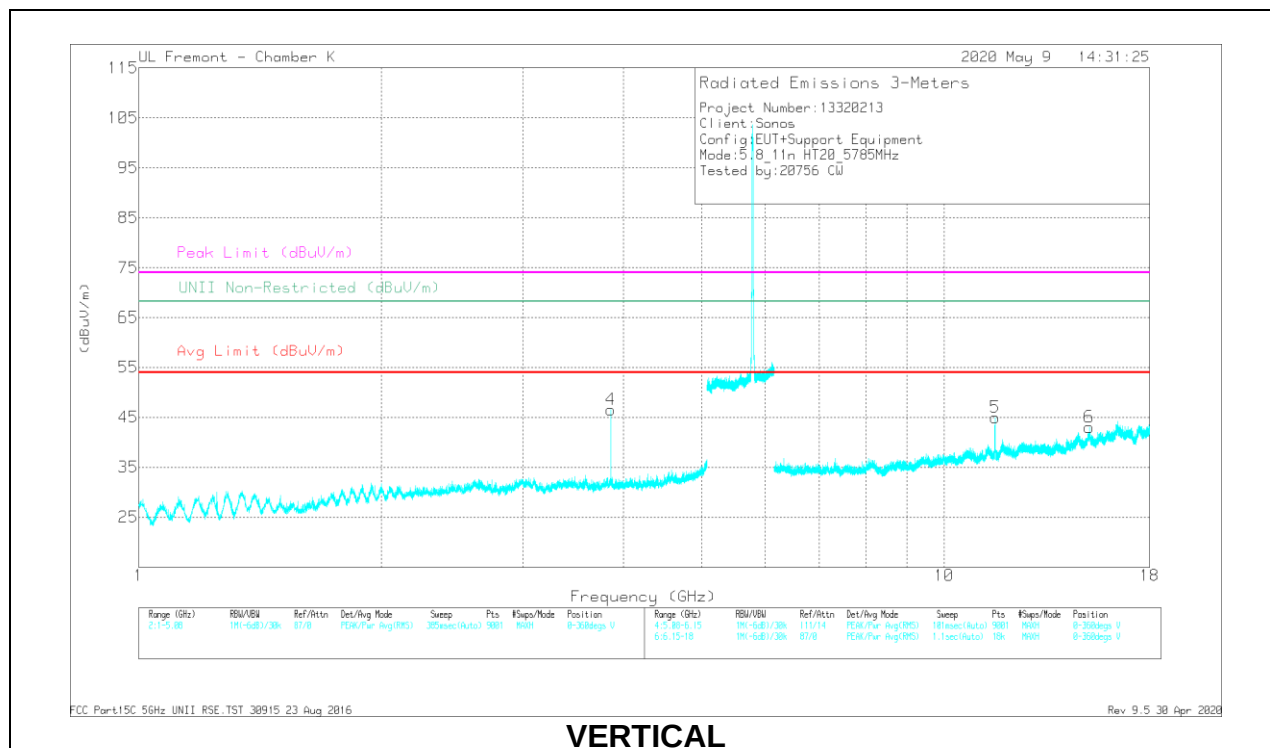
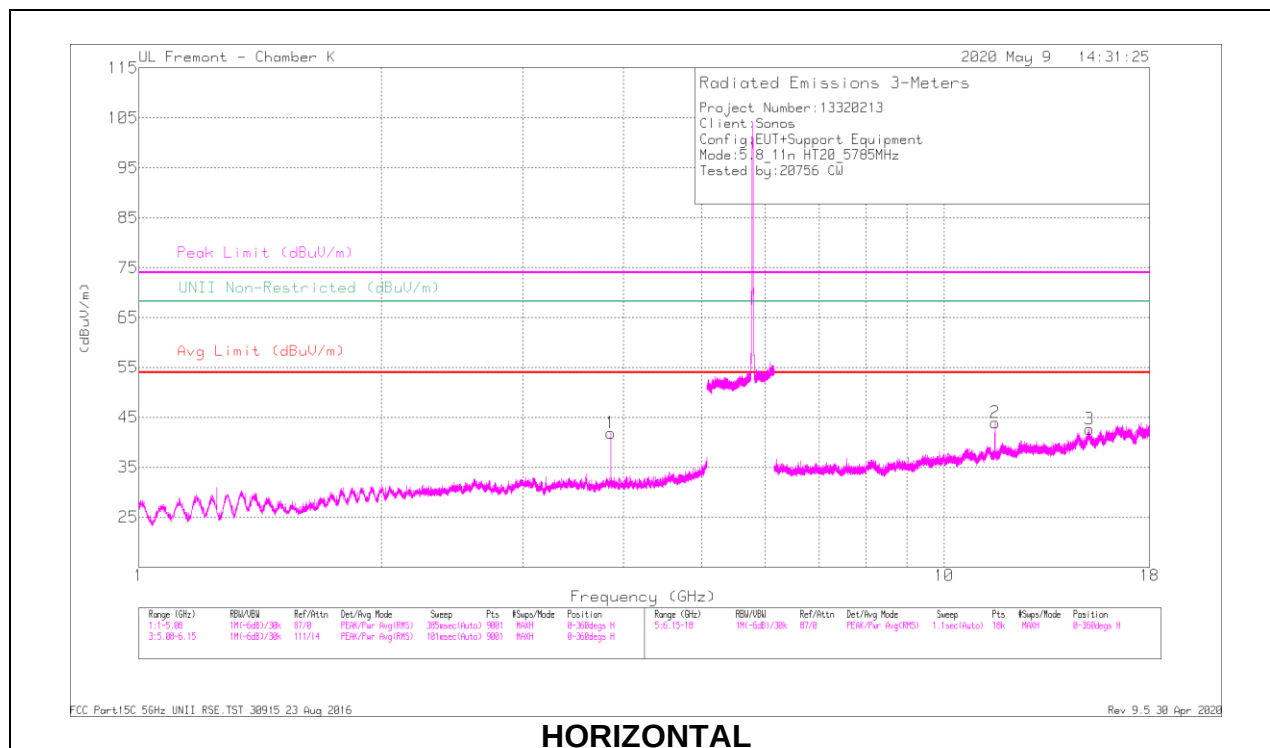


RADIATED EMISSIONS

Frequency (MHz)	Mass Reading (dBuV)	Det	AF EMC424 (dBm)	Amp/Cable/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
* 3.82993	54.36	PK-U	33.3	-42	0	-45.16	-	-	74	-27.84	-	-	202	159	H
* 3.82997	48.24	ADR	33.3	-42	3.83	-43.97	54	-10.63	-	-	-	-	202	159	H
* 3.82996	58.77	PK-U	33.3	-42	0	-50.07	-	-	74	-23.93	-	-	183	294	V
* 3.82997	50.9	ADR	33.3	-42	3.83	-46.03	54	-7.97	-	-	-	-	183	294	V
* 11.48564	49.32	PK-U	38.3	-38.5	0	-51.12	-	-	74	-22.88	-	-	49	98	H
* 11.4853	37.62	ADR	38.3	-38.5	3.83	-43.25	54	-10.75	-	-	-	-	48	98	H
* 15.67839	41.36	PK-U	40	-33.8	0	-47.56	-	-	74	-26.44	-	-	175	234	H
* 15.67839	32.54	ADR	40	-33.8	3.83	-42.57	54	-11.43	-	-	-	-	175	234	H
* 11.49017	52.27	PK-U	38.3	-38.5	0	-54.07	-	-	74	-19.93	-	-	163	100	V
* 11.48811	38.59	ADR	38.3	-38.5	3.83	-44.22	54	-9.78	-	-	-	-	163	100	V
* 15.67338	41.59	PK-U	40	-33.8	0	-47.79	-	-	74	-26.21	-	-	282	169	V
* 15.67373	32.61	ADR	40	-33.8	3.83	-42.64	54	-11.36	-	-	-	-	282	169	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

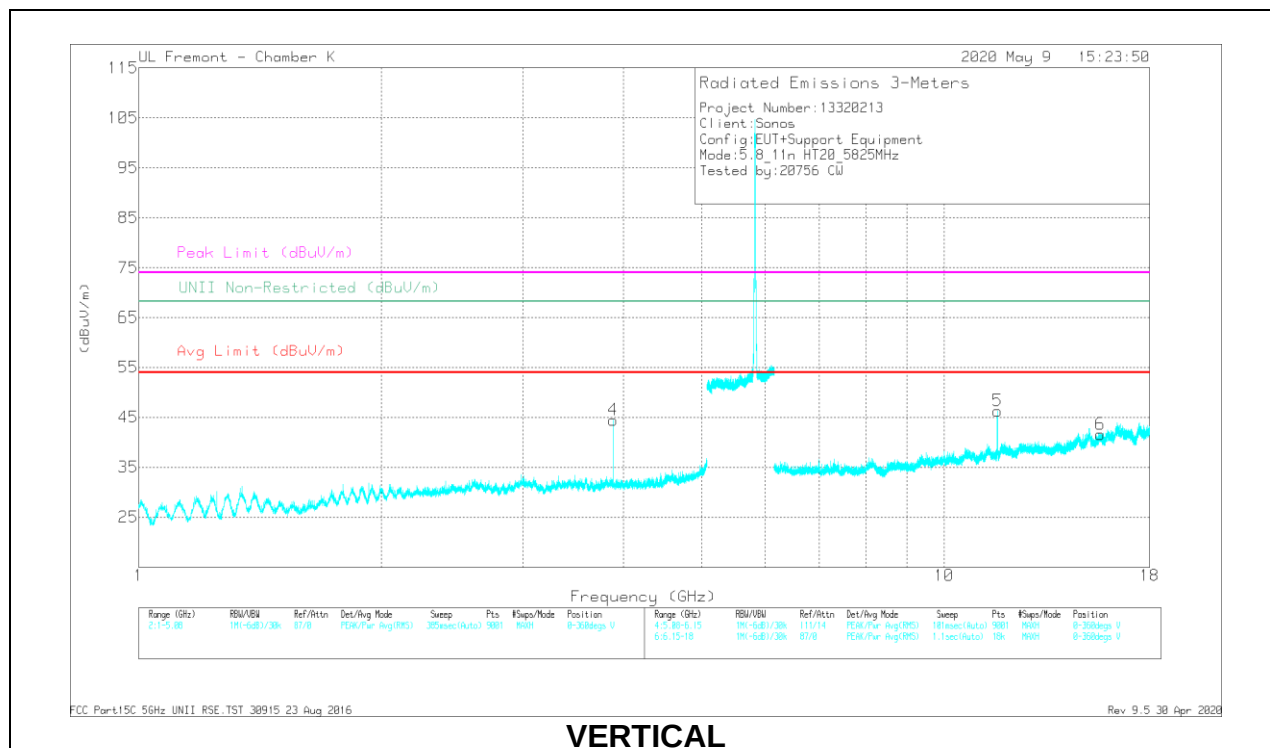
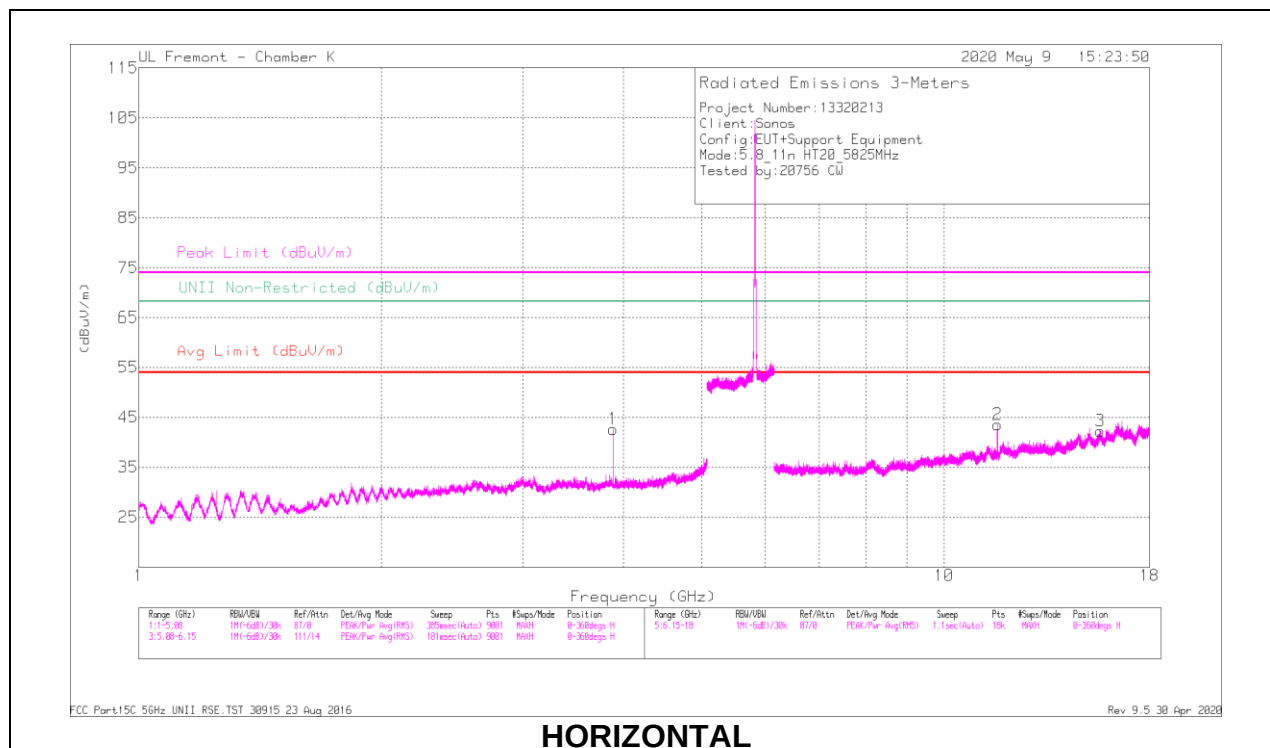
Frequency (MHz)	Meas Reading (dBuV)	Det	AF EMC424 (dBm)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
* 3.85669	54.55	PK-U	33.5	-41.9	0	49.25	-	-	74	-27.75	-	-	207	160	H
* 3.85663	46.6	ADR	33.5	-41.9	3.83	42.03	54	-11.97	-	-	-	-	207	160	H
* 3.85665	57.49	PK-U	33.5	-41.9	0	49.09	-	-	74	-24.91	-	-	334	105	V
* 3.85663	49.27	ADR	33.5	-41.9	3.83	44.7	54	-9.3	-	-	-	-	334	105	V
* 11.57253	50.41	PK-U	38.4	-36.2	0	52.61	-	-	74	-21.39	-	-	224	105	H
* 11.57143	35.83	ADR	38.4	-36.2	3.83	41.85	54	-12.14	-	-	-	-	224	105	H
15.15965	41.56	PK-U	39.8	-33.5	0	47.85	-	-	-	-	68.2	-20.34	113	391	H
* 11.56684	51.83	PK-U	38.4	-36.2	0	54.03	-	-	74	-19.97	-	-	167	113	V
* 11.56515	36.4	ADR	38.4	-36.2	3.83	42.43	54	-11.57	-	-	-	-	167	113	V
15.14583	41.06	PK-U	39.8	-33.7	0	47.16	-	-	-	-	68.2	-21.04	40	200	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



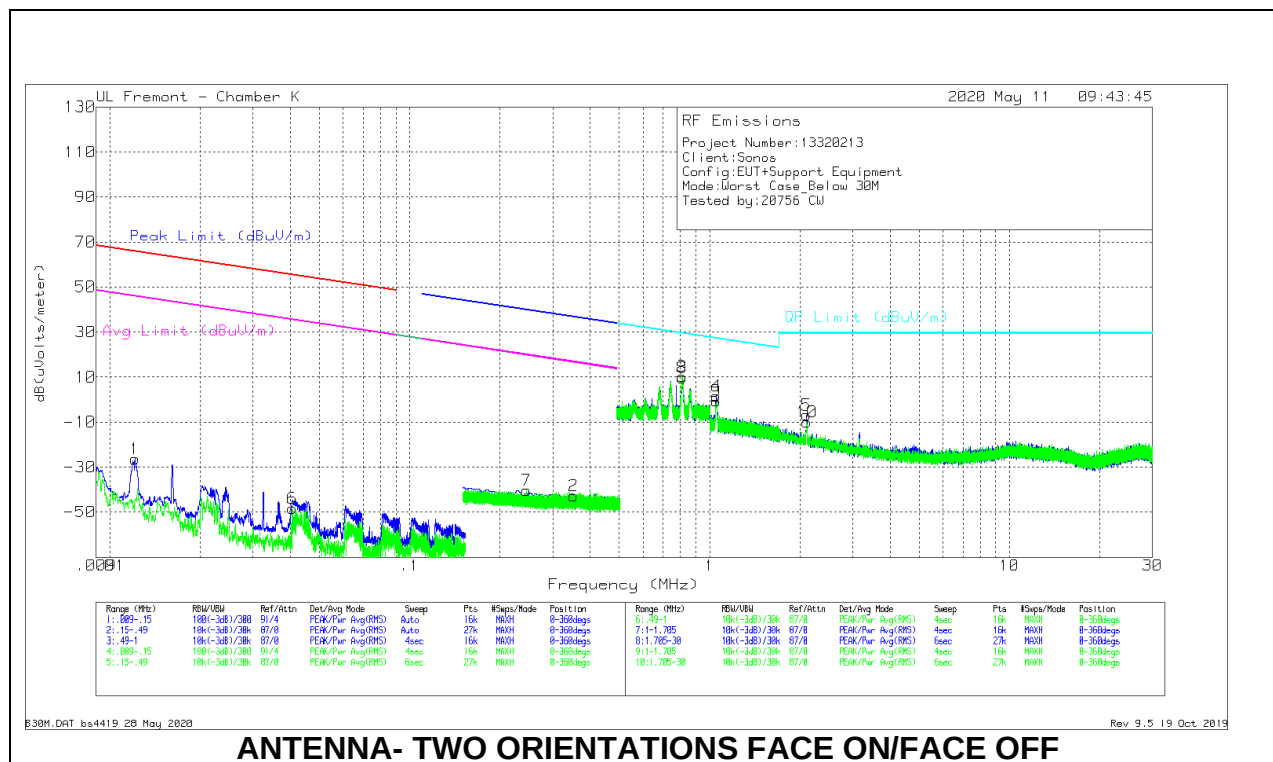
RADIATED EMISSIONS

Frequency (MHz)	Meas Reading (dBuV)	Det	AF EMC424 (dBm)	Amp/Cable/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
* 3.88331	54.31	PK-U	33.4	-41.8	0	-45.91	-	-	74	-20.09	-	-	94	161	H
* 3.8833	46.75	ADR	33.4	-41.8	3.83	-42.18	54	-11.82	-	-	-	-	94	161	H
* 3.8834	54.5	PK-U	33.4	-41.8	0	-46.1	-	-	74	-27.9	-	-	30	182	V
* 3.8833	47.5	ADR	33.4	-41.8	3.83	-42.93	54	-11.07	-	-	-	-	30	182	V
* 11.65124	51.49	PK-U	38.5	-35.7	0	-54.29	-	-	74	-19.71	-	-	279	100	H
* 11.65131	36.15	ADR	38.5	-35.7	3.83	-42.78	54	-11.22	-	-	-	-	279	100	H
* 15.63888	41.33	PK-U	40	-33.4	0	-47.93	-	-	74	-26.07	-	-	73	345	H
* 15.63889	31.41	ADR	40	-33.4	3.83	-41.84	54	-12.16	-	-	-	-	73	345	H
* 11.64615	53.97	PK-U	38.5	-35.7	0	-55.77	-	-	74	-17.23	-	-	166	105	V
* 11.64619	37.01	ADR	38.5	-35.7	3.83	-43.64	54	-10.36	-	-	-	-	166	105	V
* 15.64179	42.84	PK-U	40	-33.4	0	-49.44	-	-	74	-24.56	-	-	100	124	V
* 15.64218	32.07	ADR	40	-33.4	3.83	-42.5	54	-11.5	-	-	-	-	100	124	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 (ACF)	Cables w/ PRE0186650	Dist Corr 300m	Corrected Reading (dBuVolts/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.01213	25.62	Pk	59.9	-31.8	-80	-26.28	65.91	-92.19	45.91	-72.19	-	-	-	-	0-360
2	.3522	13.5	Pk	56	-32.1	-80	-42.6	-	-	-	-	36.67	-79.27	16.67	-59.27	0-360
6	.04063	6.86	Pk	57	-32.2	-80	-48.34	55.41	-103.75	35.41	-83.75	-	-	-	-	0-360
7	.24537	15.8	Pk	56.1	-32.1	-80	-40.2	-	-	-	-	39.82	-80.02	19.82	-60.02	0-360

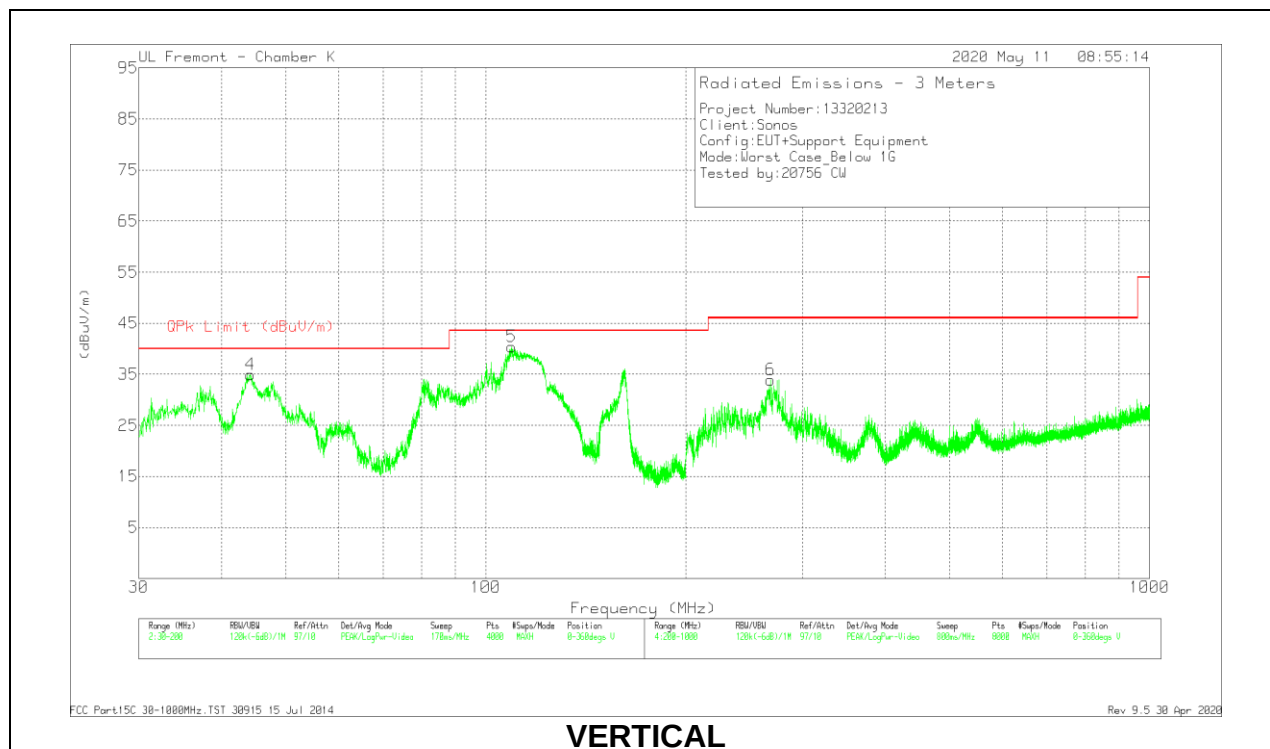
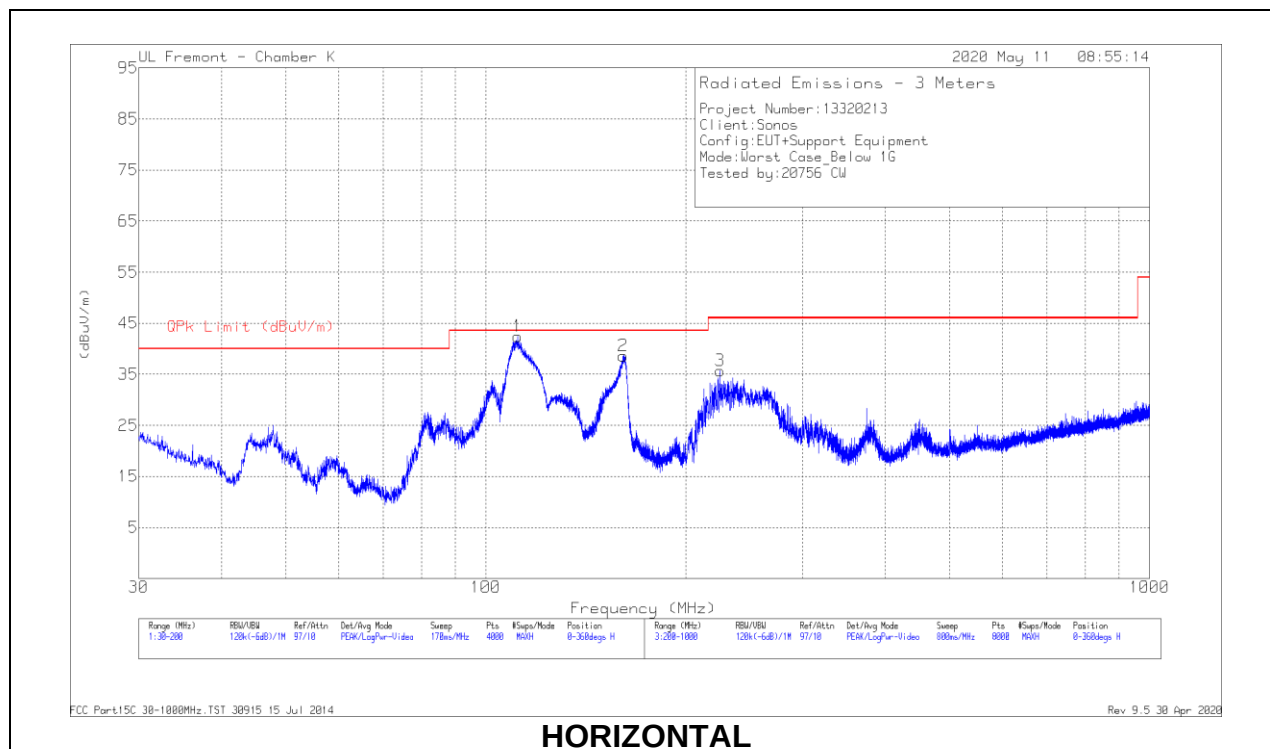
Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE0186650	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuVolts/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.81128	26.24	Pk	56.1	-32.1	-40	10.24	29.43	-19.19	0-360
8	.81154	25.71	Pk	56.1	-32.1	-40	9.71	29.43	-19.72	0-360
4	1.05408	27.23	Pk	46.5	-32.1	-40	1.63	27.17	-25.54	0-360
5	2.10534	23.8	Pk	41.3	-32	-40	-6.9	29.5	-36.4	0-360
9	1.05245	24.91	Pk	46.5	-32.1	-40	-6.9	27.18	-27.87	0-360
10	2.10953	20.74	Pk	41.3	-32	-40	-9.96	29.5	-39.46	0-360

Pk - Peak detector

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

9.3. WORST CASE BELOW 1 GHZ



Below 1GHz DATA

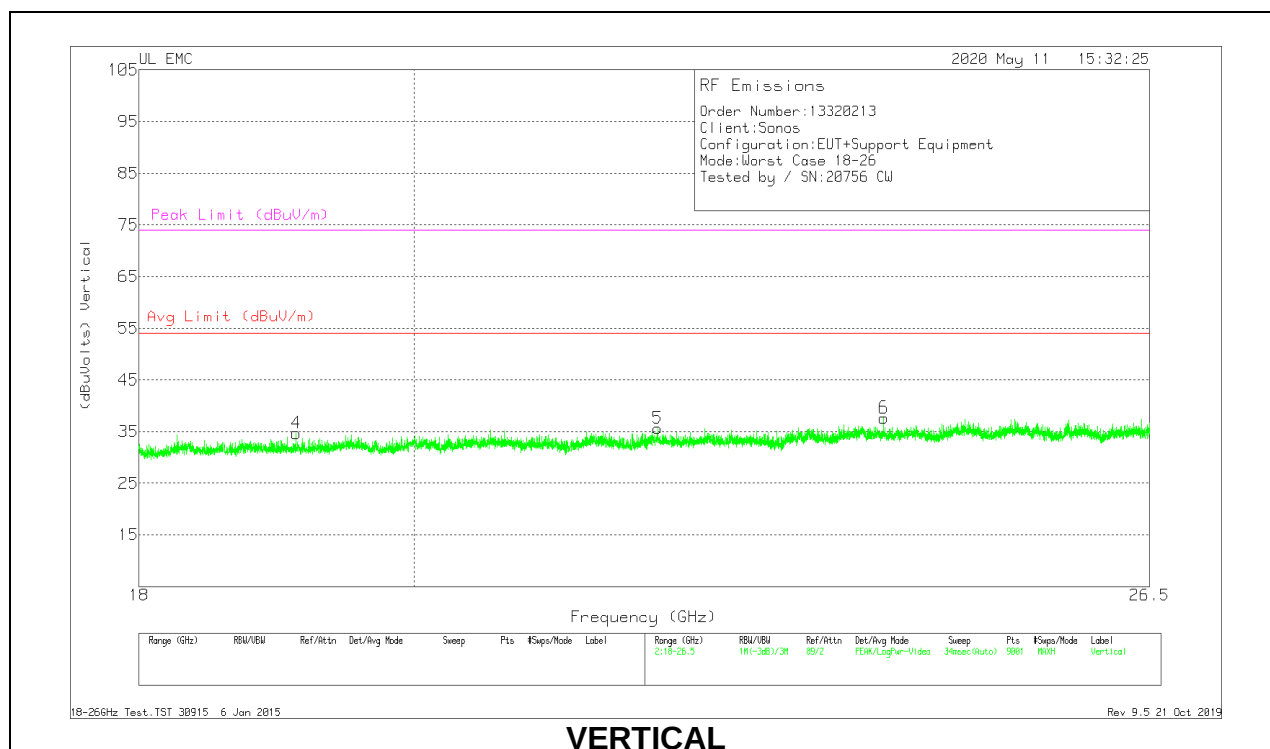
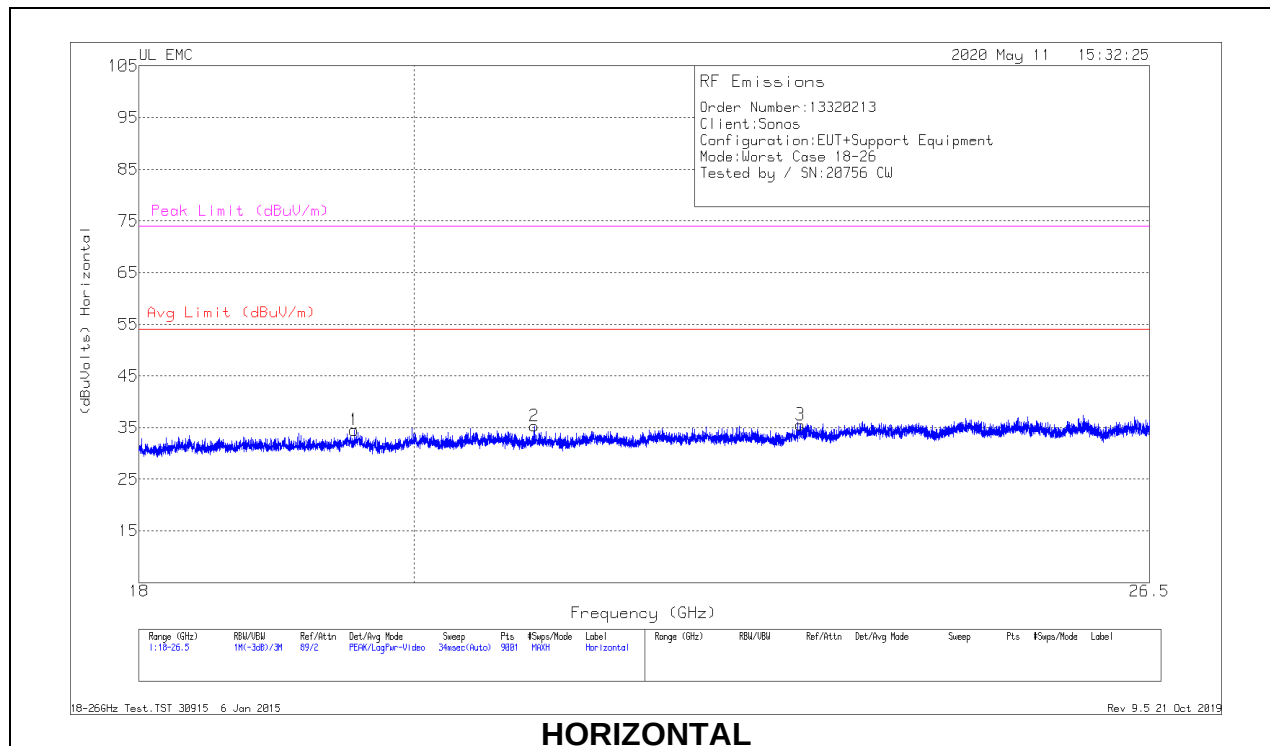
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181574 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 111.6154	54.25	Pk	18.7	-30.8	42.15	43.52	-1.37	189	294	H
	* 111.5708	50.33	Qp	18.7	-30.8	38.23	43.52	-5.29	189	294	H
2	161.2059	51.26	Pk	18.1	-30.5	38.86	43.52	-4.66	351	196	H
	160.9614	47.12	Qp	18.1	-30.5	34.72	43.52	-8.8	351	196	H
4	44.2382	52.01	Pk	16.7	-31.4	37.31	40	-2.69	169	95	V
	44.2166	47.35	Qp	16.7	-31.4	32.65	40	-7.35	169	95	V
5	* 109.5484	52	Pk	18.4	-30.9	39.5	43.52	-4.02	228	110	V
	* 109.5963	47.55	Qp	18.4	-30.9	35.05	43.52	-8.47	228	110	V
3	225.3033	49.12	Pk	16.8	-30.2	35.72	46.02	-10.3	0-360	99	H
6	* 268.6089	44.85	Pk	19.1	-30	33.95	46.02	-12.07	0-360	100	V

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

Pk - Peak detector

Qp - Quasi-Peak detector

9.4. WORST CASE 18-26 GHZ

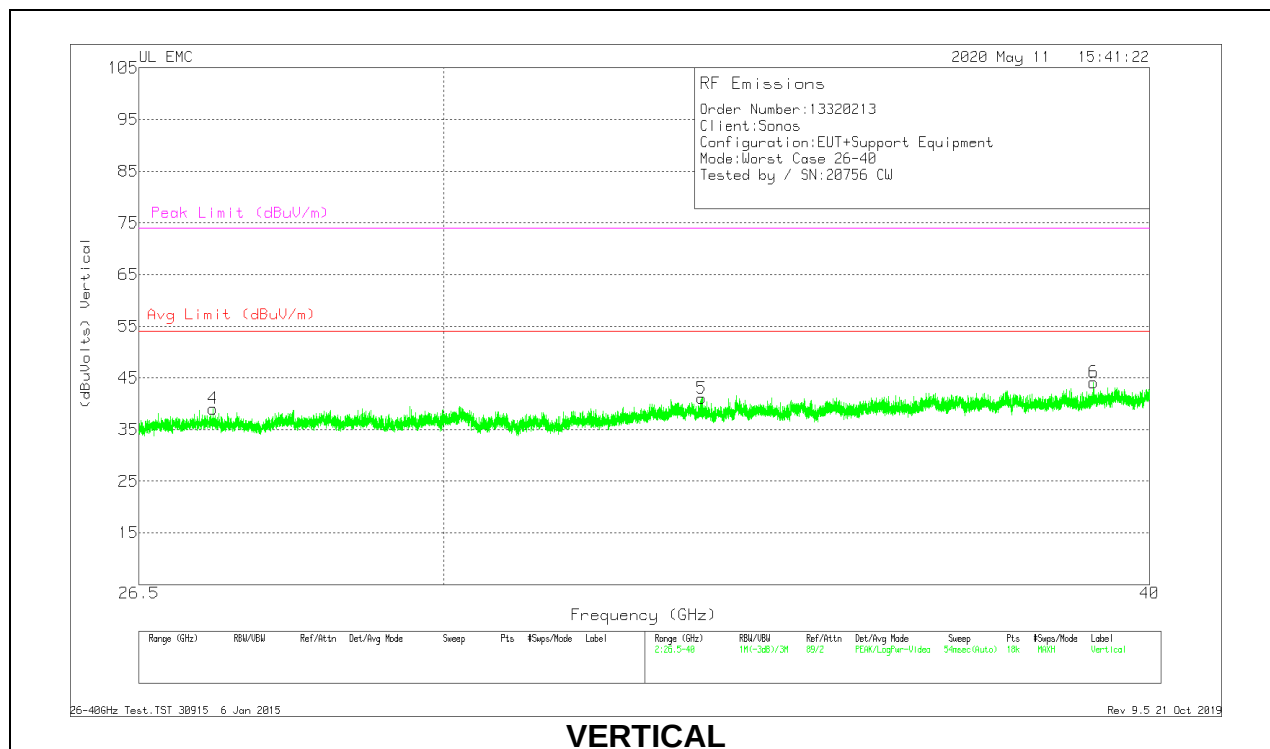
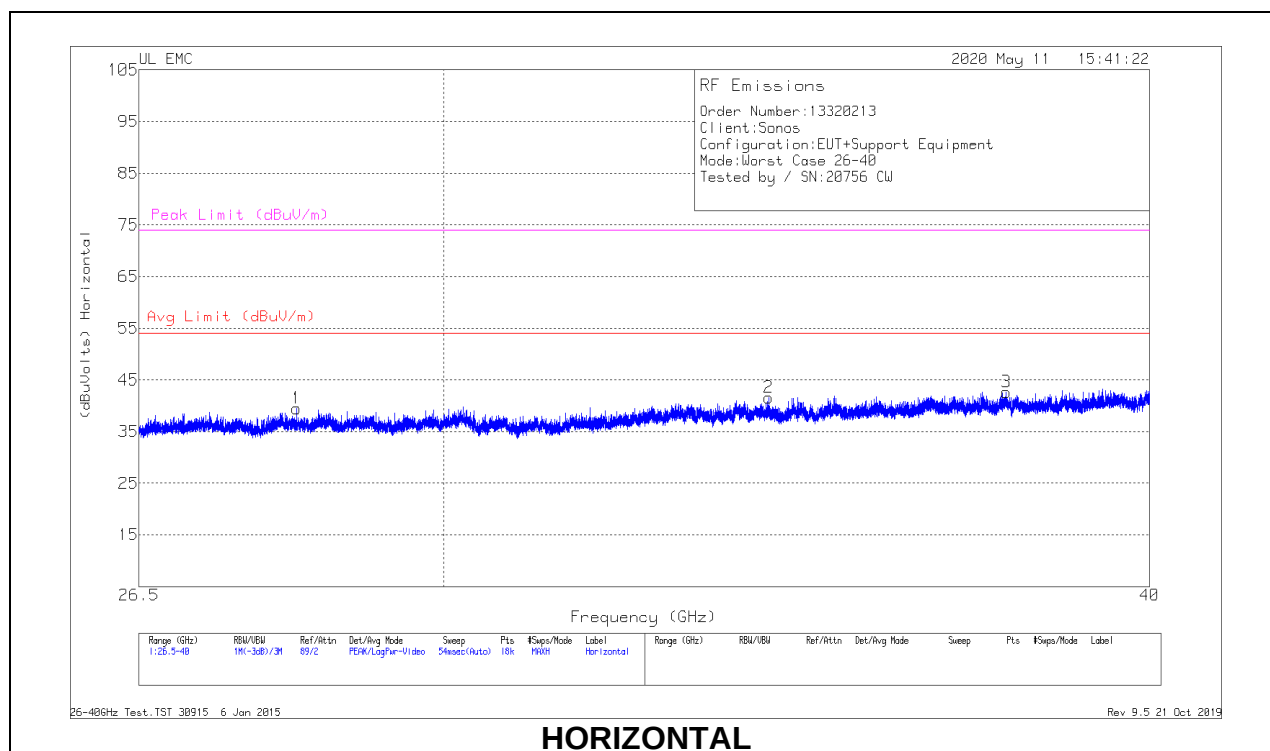


18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.54511	68.42	Pk	32.8	-57.2	-9.5	34.52	54	-19.48	74	-39.48
2	20.93911	68.61	Pk	33.2	-57	-9.5	35.31	54	-18.69	74	-38.69
3	23.18311	68.33	Pk	33.8	-57.1	-9.5	35.53	54	-18.47	74	-38.47
4	19.11539	69.15	Pk	32.6	-57.6	-9.5	34.65	54	-19.35	74	-39.35
5	21.95061	69.24	Pk	33.4	-57.5	-9.5	35.64	54	-18.36	74	-38.36
6	23.93489	69.64	Pk	34.3	-56.8	-9.5	37.64	54	-16.36	74	-36.36

Pk - Peak detector

9.5. WORST CASE 26-40 GHZ



26 – 40GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	28.2565	66.27	Pk	36.4	-53.7	-9.5	39.47	54	-14.53	74	-34.53
2	34.2475	67.37	Pk	37.8	-54.1	-9.5	41.57	54	-12.43	74	-32.43
3	37.732	68.53	Pk	38.6	-55	-9.5	42.63	54	-11.37	74	-31.37
4	27.31075	68.32	Pk	36.1	-55.9	-9.5	39.02	54	-14.98	74	-34.98
5	33.32425	66.88	Pk	37.5	-53.8	-9.5	41.08	54	-12.92	74	-32.92
6	39.09625	69.14	Pk	38.9	-54.4	-9.5	44.14	54	-9.86	74	-29.86

Pk - Peak detector

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.

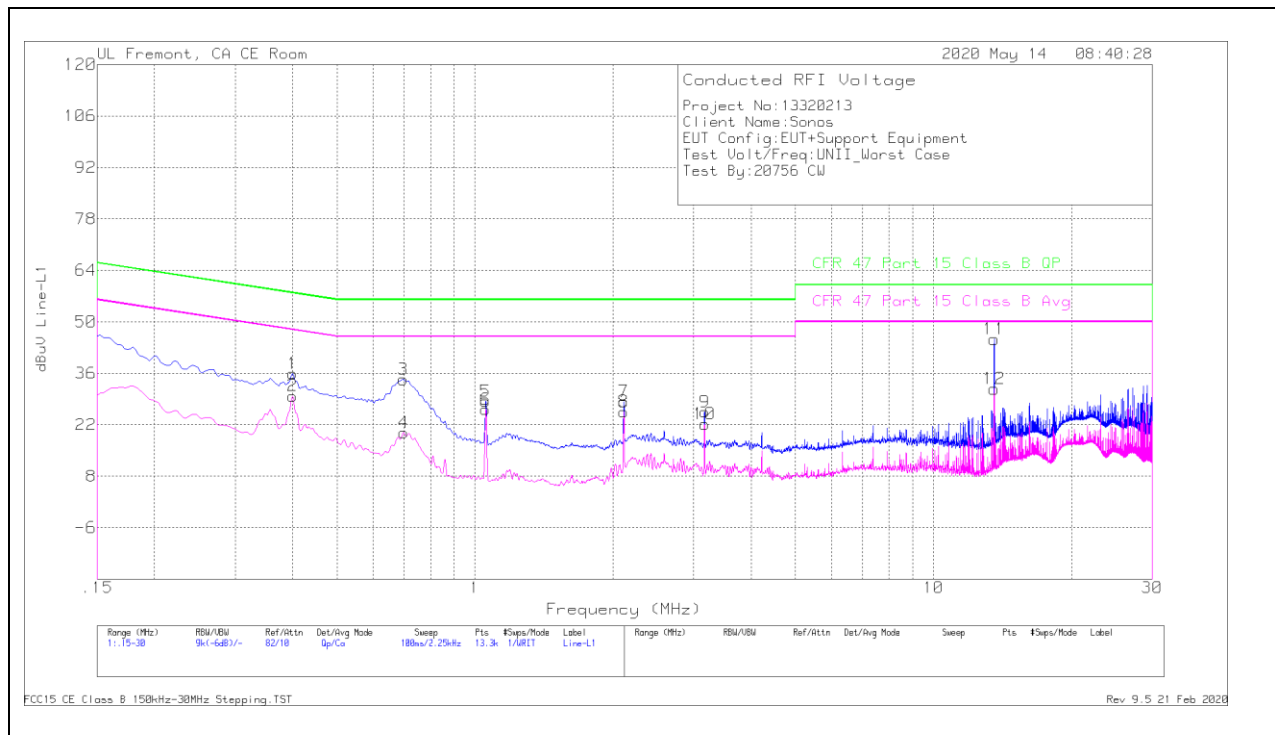
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Norm

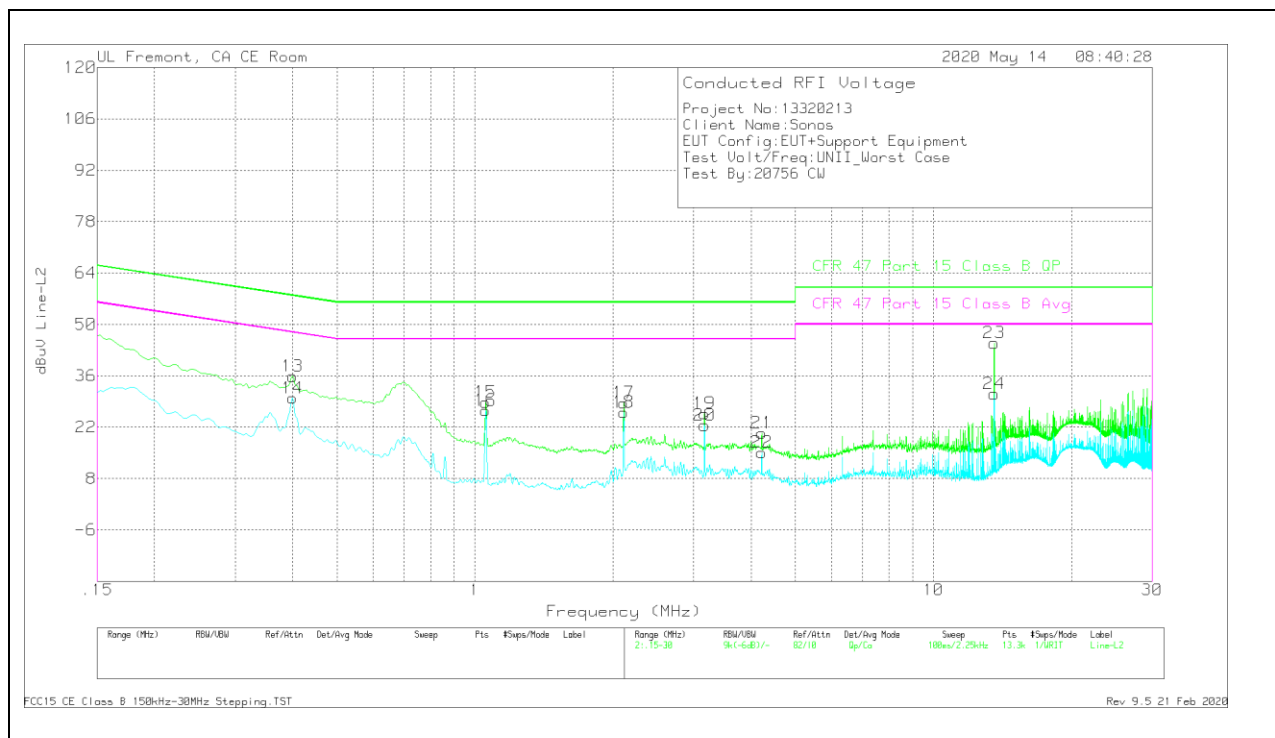
LINE 1 RESULTS



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	.39975	25.94	Qp	0	0	10	35.94	57.86	-21.92	-	-
2	.39975	19.85	Ca	0	0	10	29.85	-	-	47.86	-18.01
3	.69675	24.35	Qp	0	0	10	34.35	56	-21.65	-	-
4	.699	9.81	Ca	0	0	10	19.81	-	-	46	-26.19
5	1.0545	18.29	Qp	0	.1	10	28.39	56	-27.61	-	-
6	1.0545	16.05	Ca	0	.1	10	26.15	-	-	46	-19.85
7	2.112	18.16	Qp	0	.1	10	28.26	56	-27.74	-	-
8	2.112	15.46	Ca	0	.1	10	25.56	-	-	46	-20.44
9	3.16725	15.4	Qp	0	.1	10	25.5	56	-30.5	-	-
10	3.16725	12.07	Ca	0	.1	10	22.17	-	-	46	-23.83
11	13.56	34.88	Qp	.1	.2	10.1	45.28	60	-14.72	-	-
12	13.56	21.36	Ca	.1	.2	10.1	31.76	-	-	50	-18.24

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



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	.39975	25.88	Qp	0	0	10	35.88	57.86	-21.98	-	-
14	.39975	19.92	Ca	0	0	10	29.92	-	-	47.86	-17.94
15	1.0545	18.68	Qp	0	.1	10	28.78	56	-27.22	-	-
16	1.0545	16.45	Ca	0	.1	10	26.55	-	-	46	-19.45
17	2.10975	18.54	Qp	0	.1	10	28.64	56	-27.36	-	-
18	2.10975	15.95	Ca	0	.1	10	26.05	-	-	46	-19.95
19	3.165	15.65	Qp	0	.1	10	25.75	56	-30.25	-	-
20	3.165	12.43	Ca	0	.1	10	22.53	-	-	46	-23.47
21	4.22025	10.22	Qp	0	.1	10.1	20.42	56	-35.58	-	-
22	4.22025	4.93	Ca	0	.1	10.1	15.13	-	-	46	-30.87
23	13.56	34.53	Qp	.1	.2	10.1	44.93	60	-15.07	-	-
24	13.56	20.68	Ca	.1	.2	10.1	31.08	-	-	50	-18.92

Qp - Quasi-Peak detector
Ca - CISPR average detection