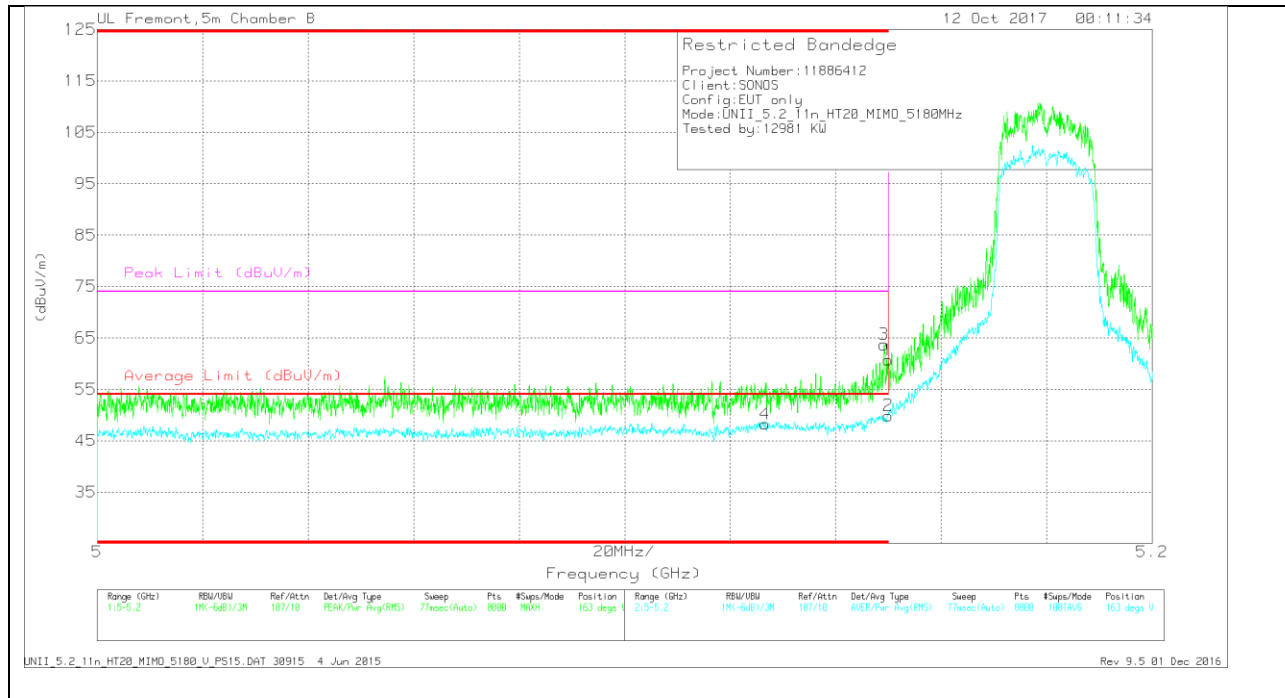


VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (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	* 5.15	46.32	Pk	34.4	-20	0	60.72	-	-	74	-13.28	163	278	V
3	* 5.149	49.31	Pk	34.4	-20	0	63.71	-	-	74	-10.29	163	278	V
2	* 5.15	35.47	RMS	34.4	-20	.56	50.43	54	-3.57	-	-	163	278	V
4	* 5.127	32.95	RMS	34.4	-19.1	.56	48.81	54	-5.19	-	-	163	278	V

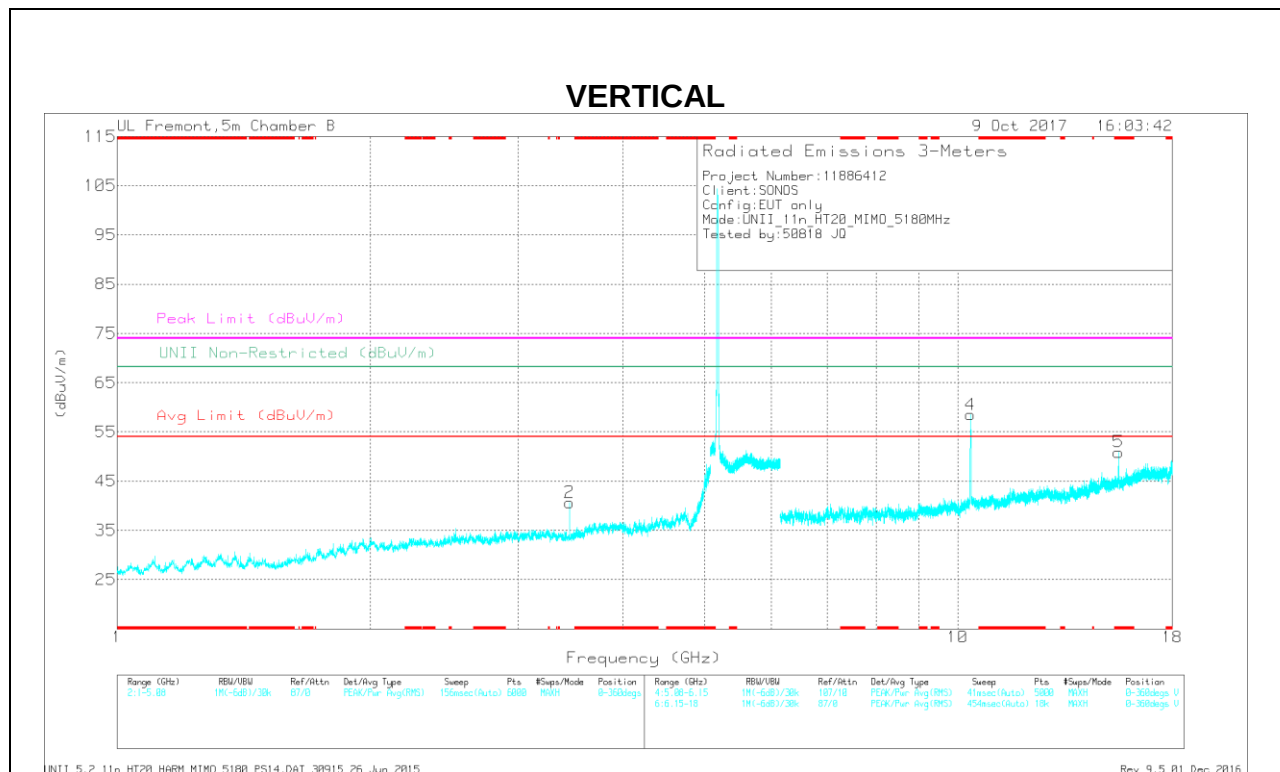
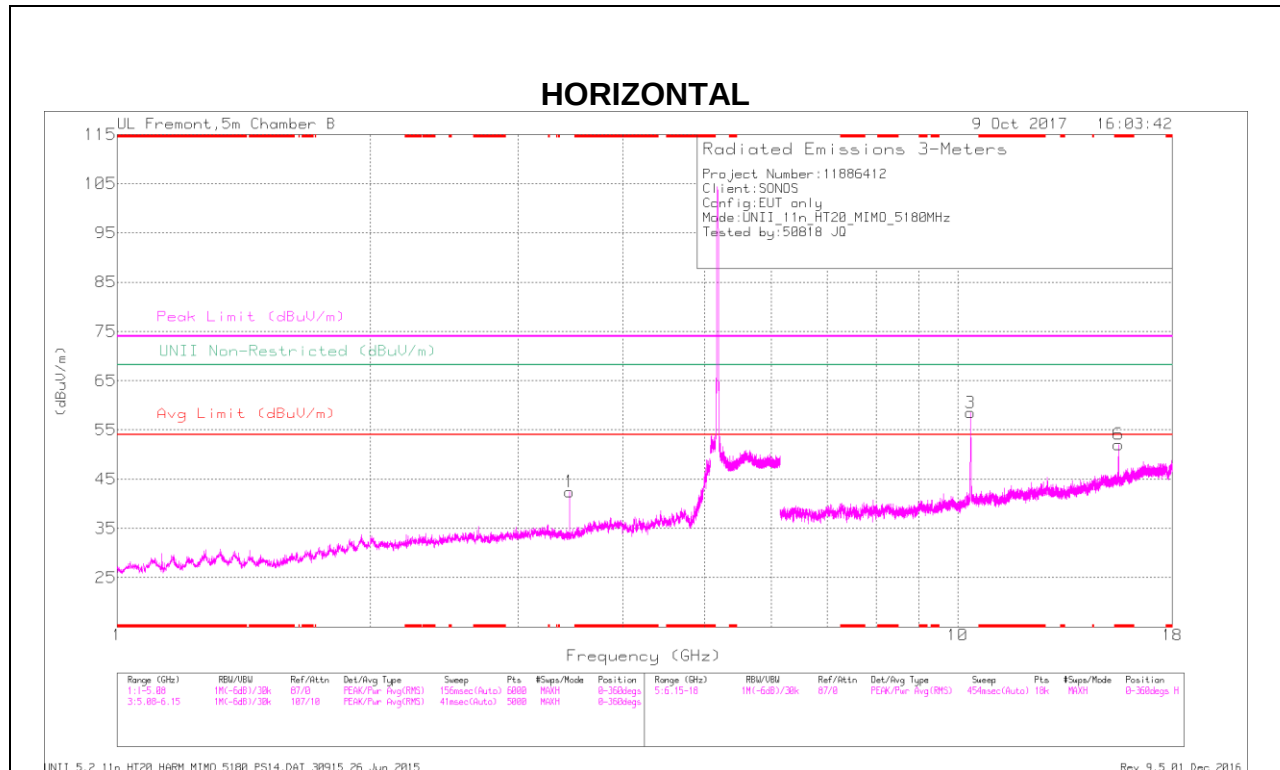
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

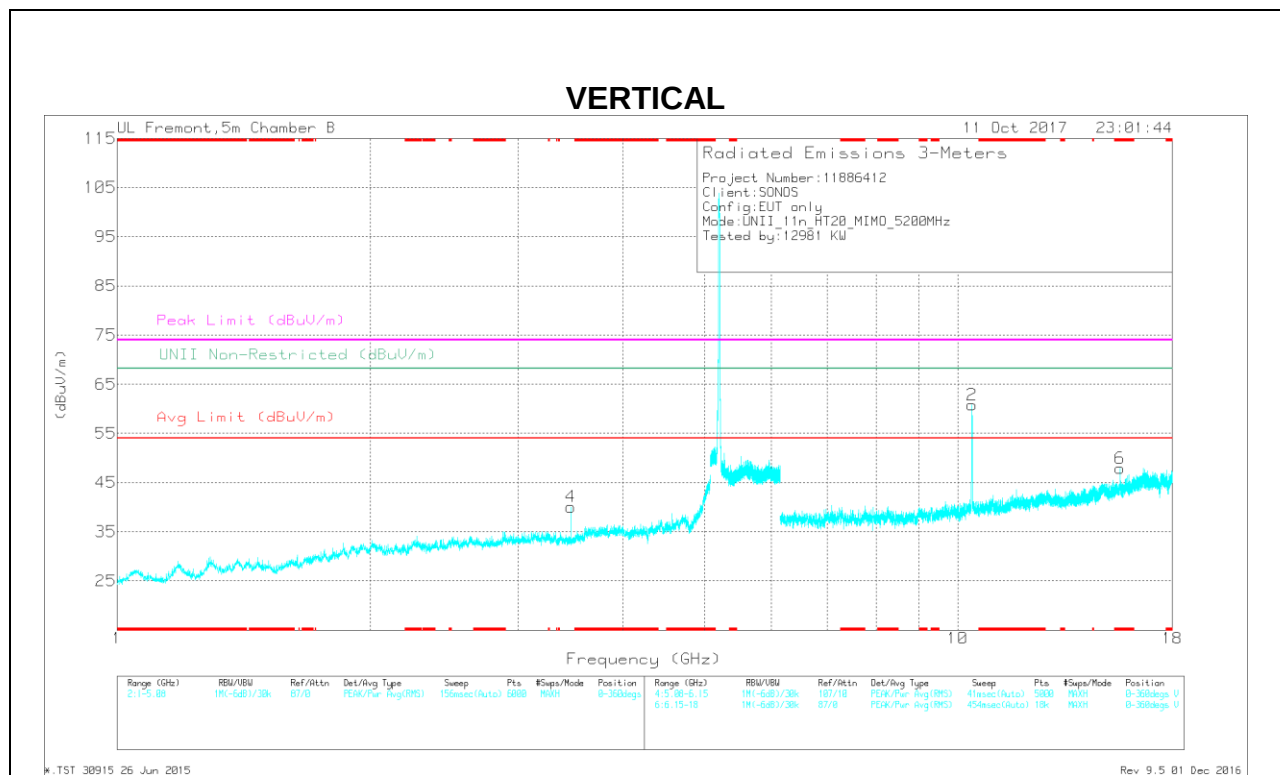
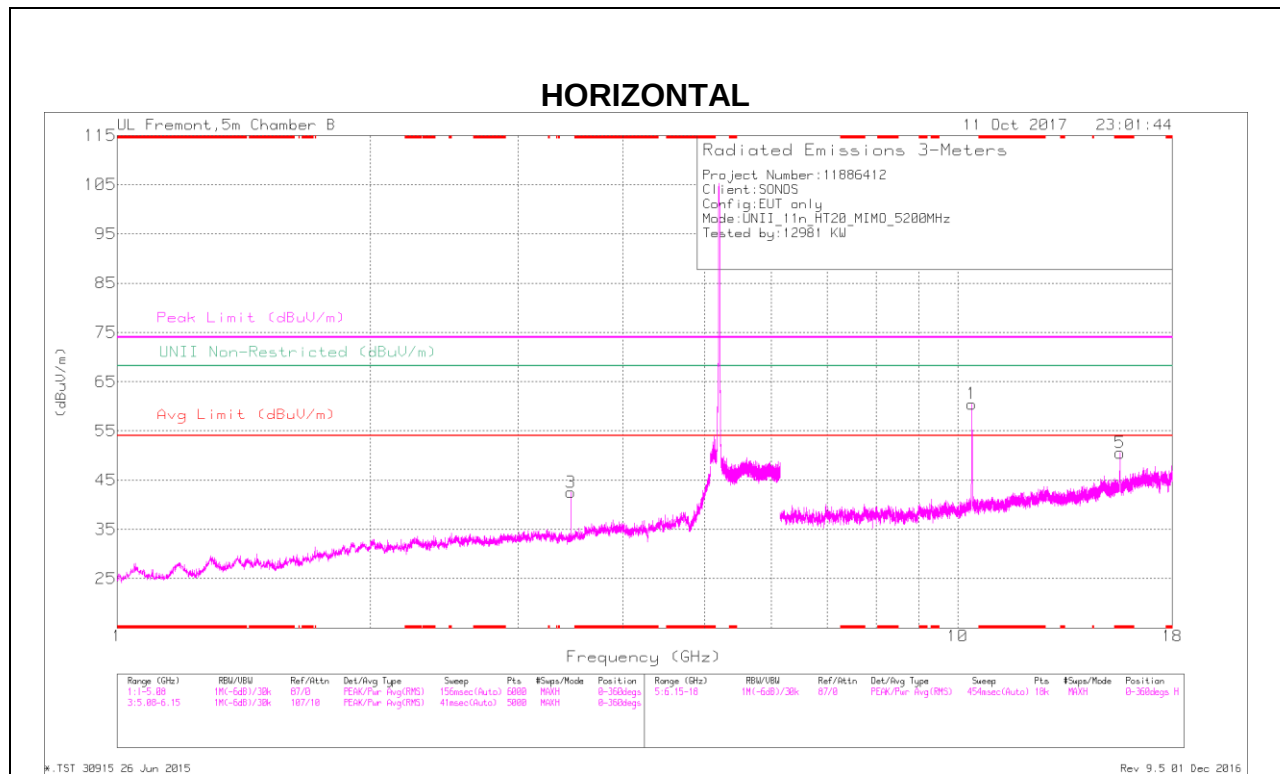
Frequency (GHz)	Meas Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chassis/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 15.534	37.38	PK-U	40.6	-20.6	0	57.38	-	-	74	-16.62	-	-	96	234	H
* 15.535	22.08	ADR	40.6	-20.6	.56	42.54	54	-11.36	-	-	-	-	96	234	H
* 15.54	41.23	PK-U	40.6	-20.6	0	61.23	-	-	74	-12.77	-	-	105	197	V
* 15.54	23.13	ADR	40.6	-20.6	.56	43.69	54	-10.31	-	-	-	-	105	197	V
3.453	46.44	PK-U	32.6	-31.6	0	47.44	-	-	-	-	68.2	-20.76	58	227	H
3.453	43.5	PK-U	32.6	-31.6	0	44.5	-	-	-	-	68.2	-23.7	245	109	V
10.36	52.84	PK-U	37.5	-22.6	0	67.74	-	-	-	-	68.2	-46	187	198	V
10.361	52.35	PK-U	37.5	-22.6	0	67.25	-	-	-	-	68.2	-95	60	367	H

* - 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

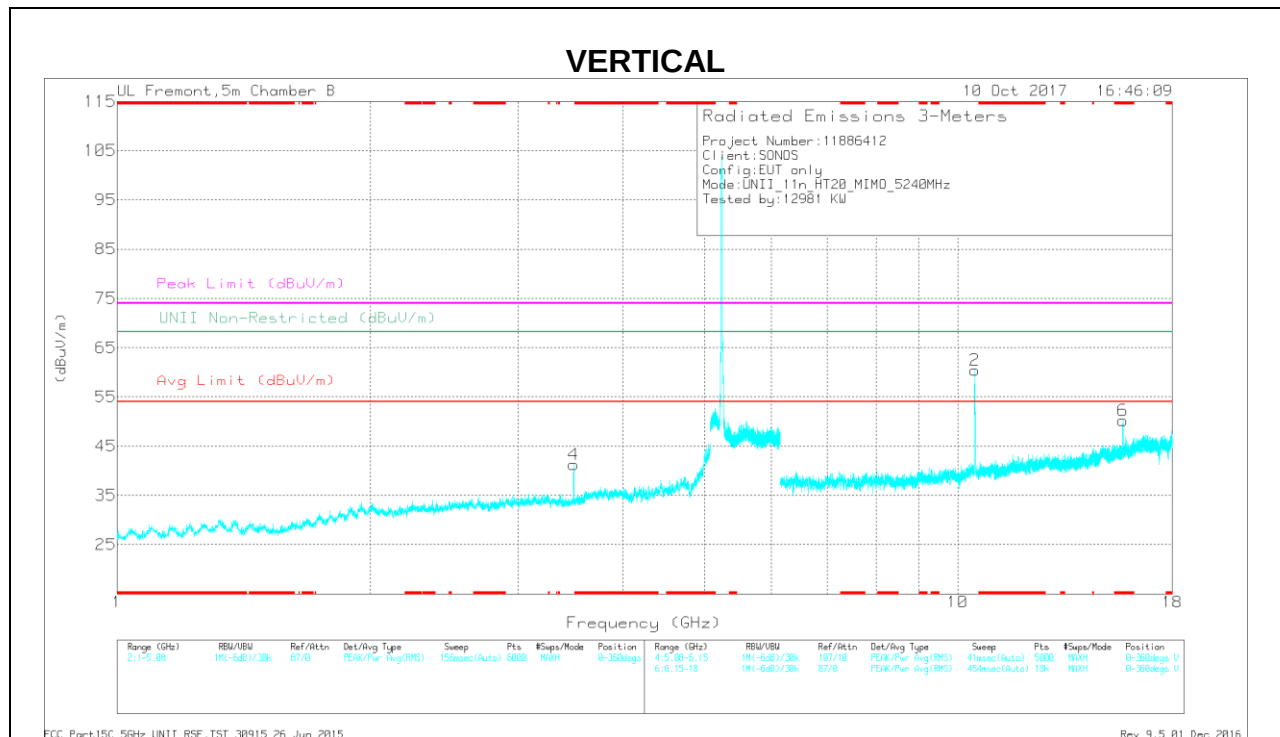
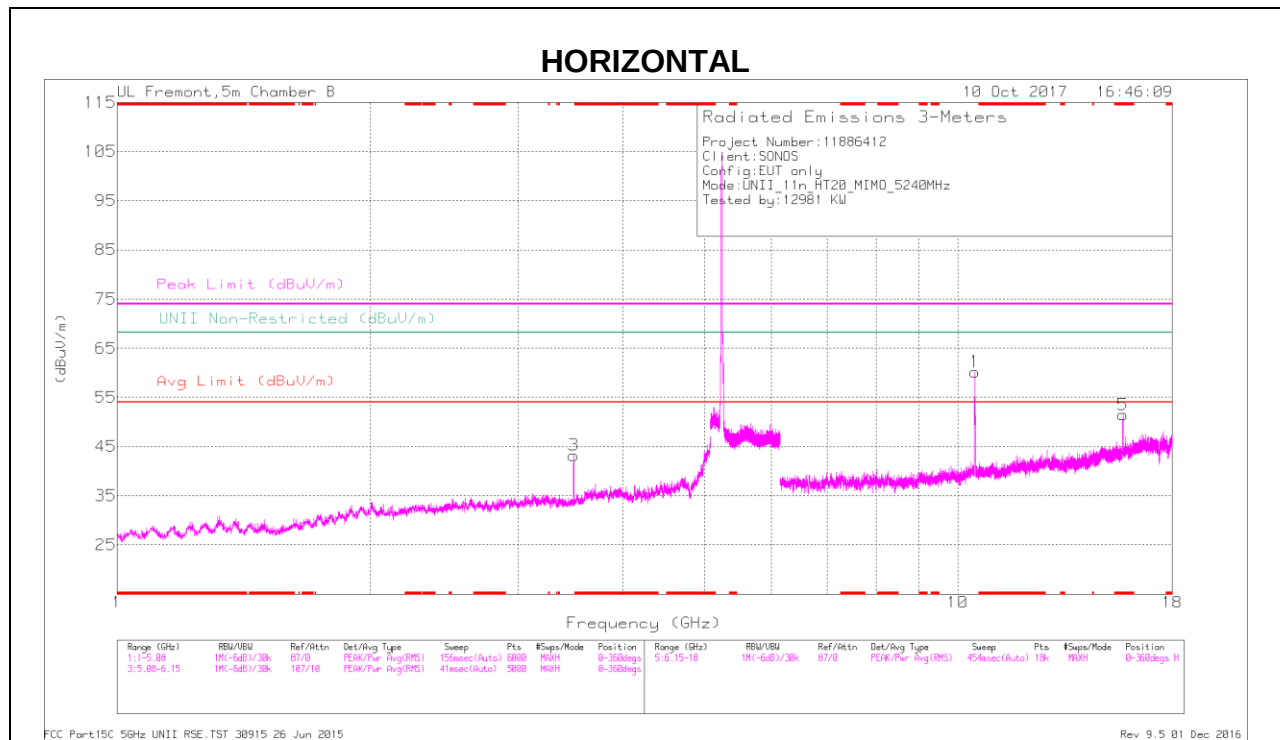
Frequency (GHz)	Meas Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chassis/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 15.599	34.68	PK-U	40.6	-20.7	0	54.58	-	-	74	-19.42	-	-	79	260	H
* 15.599	21.83	ADR	40.6	-20.7	.56	42.29	54	-11.71	-	-	-	-	79	260	H
* 15.6	36.52	PK-U	40.6	-20.7	0	56.42	-	-	74	-17.58	-	-	50	116	V
* 15.599	23.57	ADR	40.6	-20.7	.56	44.03	54	-9.97	-	-	-	-	50	116	V
3.467	45.75	PK-U	32.7	-31.5	0	46.95	-	-	-	-	68.2	-21.25	56	229	H
3.467	43.49	PK-U	32.7	-31.5	0	44.69	-	-	-	-	68.2	-23.51	147	207	V
10.4	50.14	PK-U	37.5	-22.5	0	65.14	-	-	-	-	68.2	-3.06	50	120	H
10.4	52.67	PK-U	37.5	-22.5	0	67.67	-	-	-	-	68.2	-.53	195	182	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 (GHz)	Meas Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chassis/Pad (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
* 15.72	39.25	PK-U	40.8	-21.2	0	58.85	-	-	74	-15.15	-	-	42	209	H
* 15.72	26.02	ADR	40.8	-21.2	.56	46.18	54	-7.82	-	-	-	-	42	209	H
* 15.72	40.29	PK-U	40.8	-21.2	0	59.89	-	-	74	-14.11	-	-	101	209	V
* 15.721	26.81	ADR	40.8	-21.2	.56	46.97	54	-7.03	-	-	-	-	101	209	V
3.493	46.3	PK-U	32.8	-31	0	48.1	-	-	-	-	68.2	-20.1	59	314	H
3.493	43.82	PK-U	32.8	-31	0	45.62	-	-	-	-	68.2	-22.58	327	203	V
10.48	52.77	PK-U	37.5	-22.7	0	67.57	-	-	-	-	68.2	-.63	175	335	V
10.481	49.12	PK-U	37.5	-22.7	0	63.92	-	-	-	-	68.2	-4.28	42	103	H

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

PK-U - U-NII: Maximum Peak

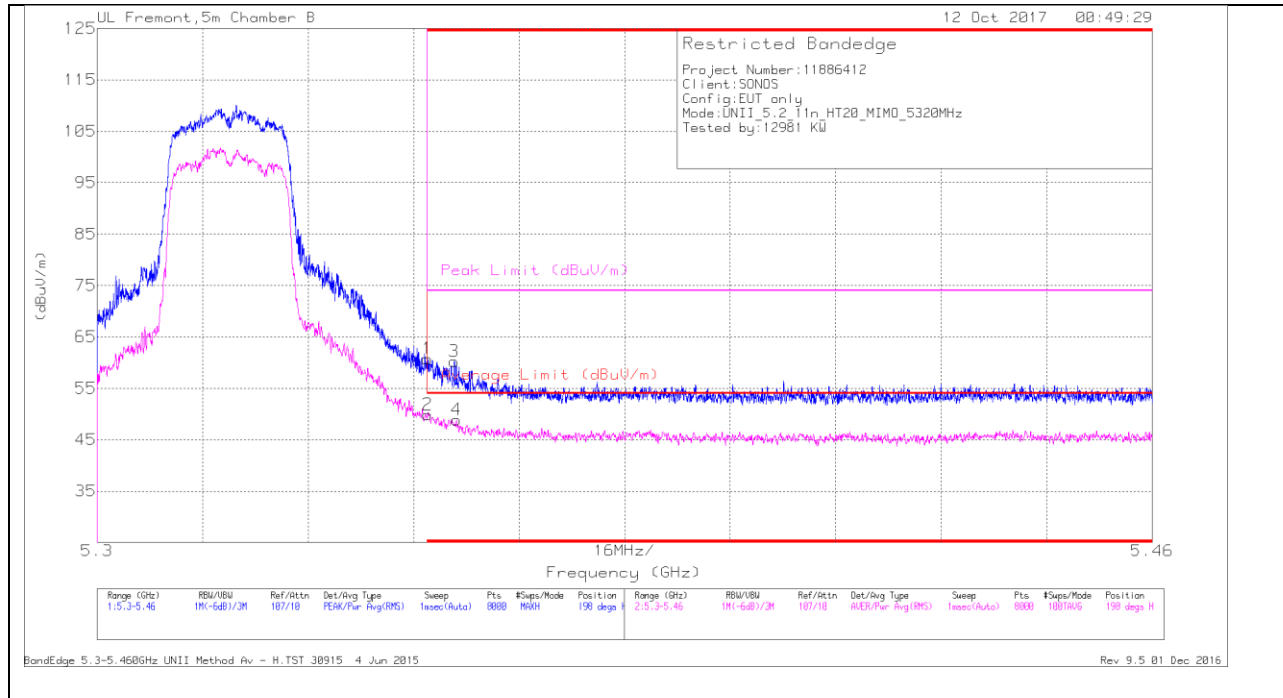
ADR - U-NII AD primary method, RMS average

7.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

4TX CDD MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



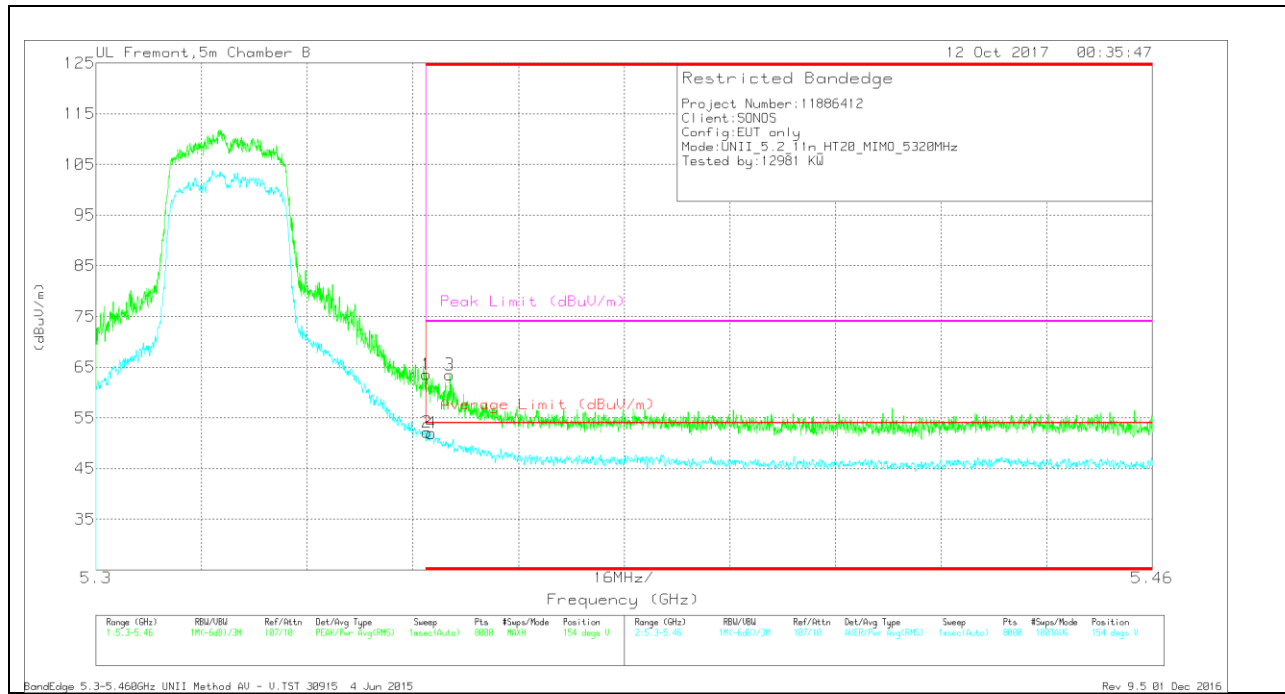
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Ampl/CbU/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	45.97	Pk	34.9	-20.1	0	60.77	-	-	74	-13.23	198	390	H
3	* 5.354	45.45	Pk	34.9	-20.1	0	60.25	-	-	74	-13.75	198	390	H
2	* 5.35	34.51	RMS	34.9	-20.1	56	49.87	54	-4.13	-	-	198	390	H
4	* 5.355	33.53	RMS	34.9	-20.1	56	48.89	54	-5.11	-	-	198	390	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 T863 (dBm)	Amp/CbW/Ftr/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	* 5.35	48.76	Pk	34.9	-20.1	0	63.56	-	-	74	-10.44	154	335	V
3	* 5.354	48.71	Pk	34.9	-20.1	0	63.51	-	-	74	-10.49	154	335	V
2	* 5.35	36.76	RMS	34.9	-20.1	.56	62.12	54	-1.88	-	-	154	335	V
4	* 5.351	36.61	RMS	34.9	-20.1	.56	61.97	54	-2.03	-	-	154	335	V

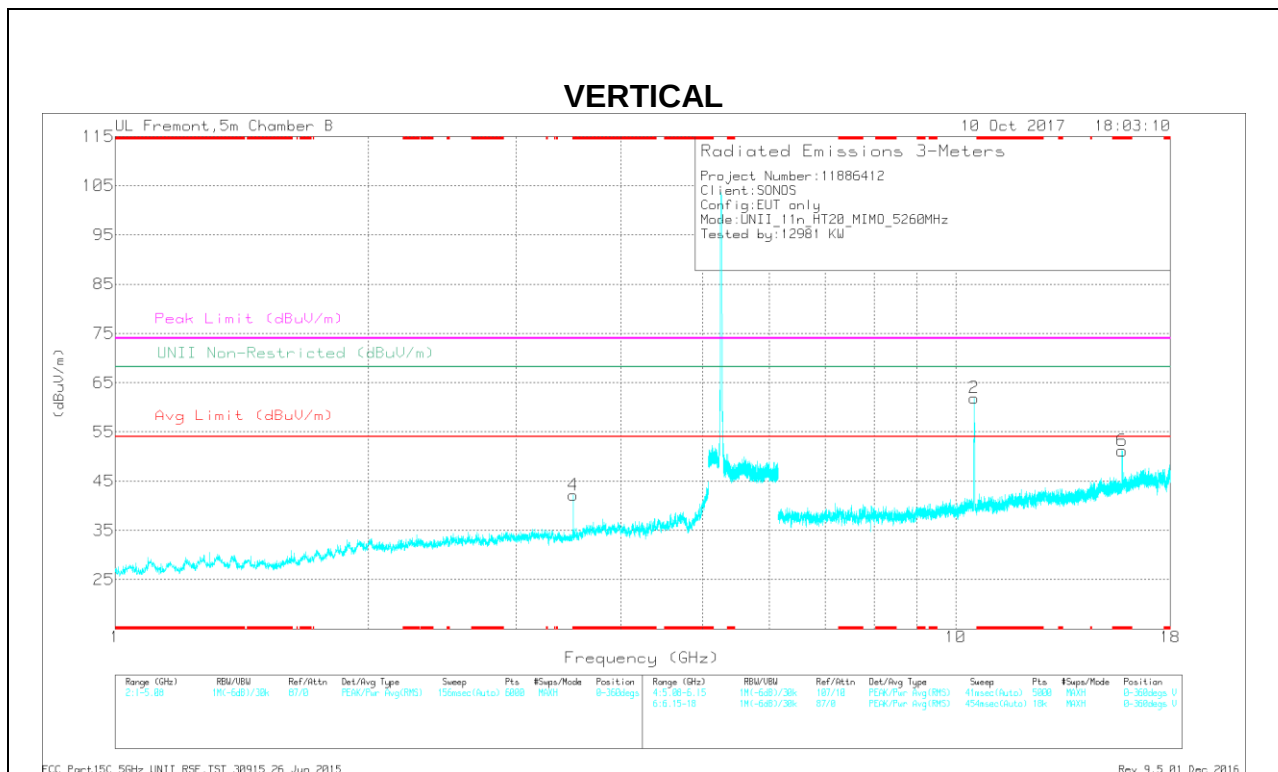
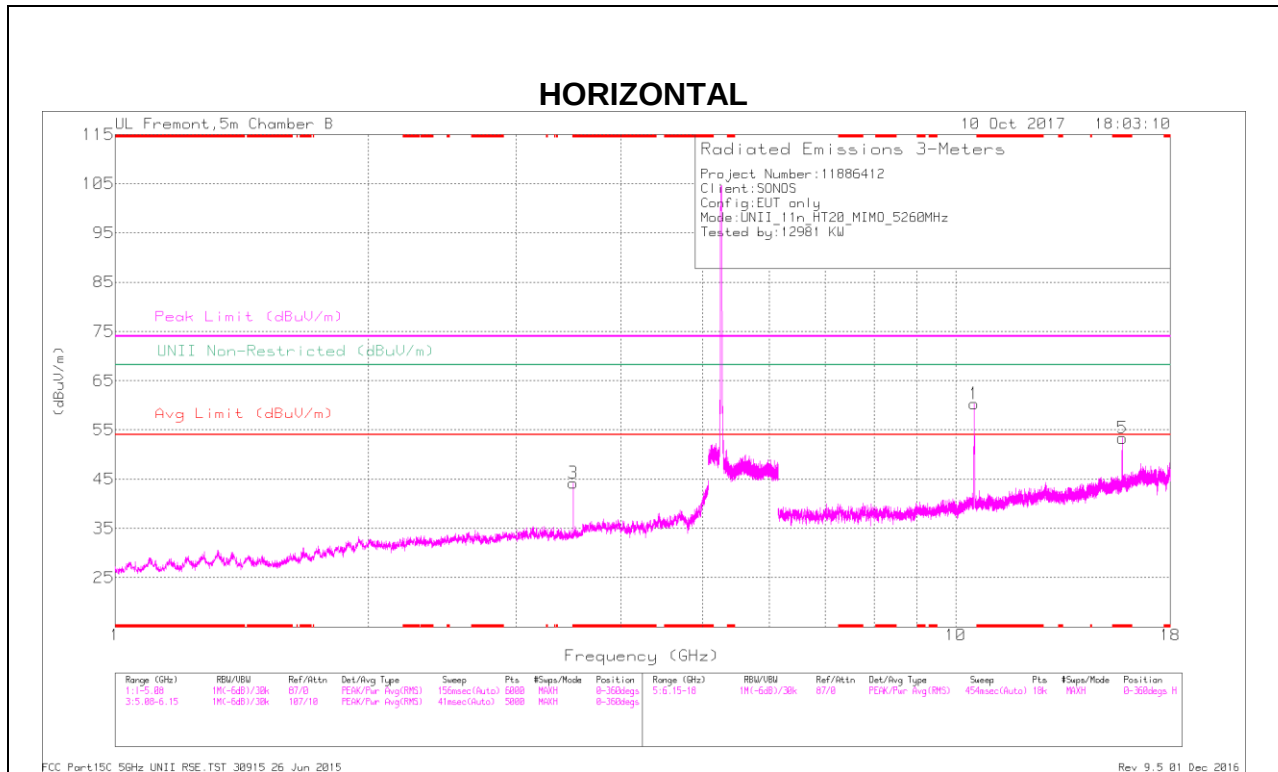
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

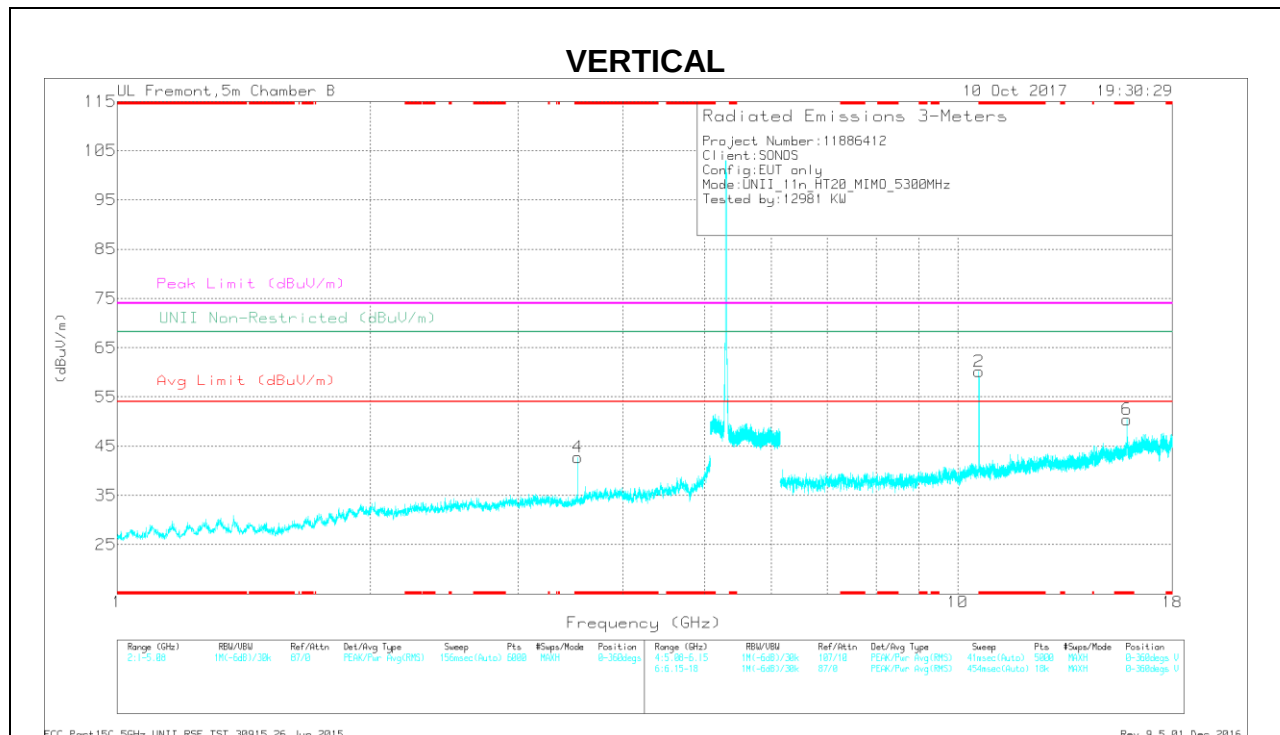
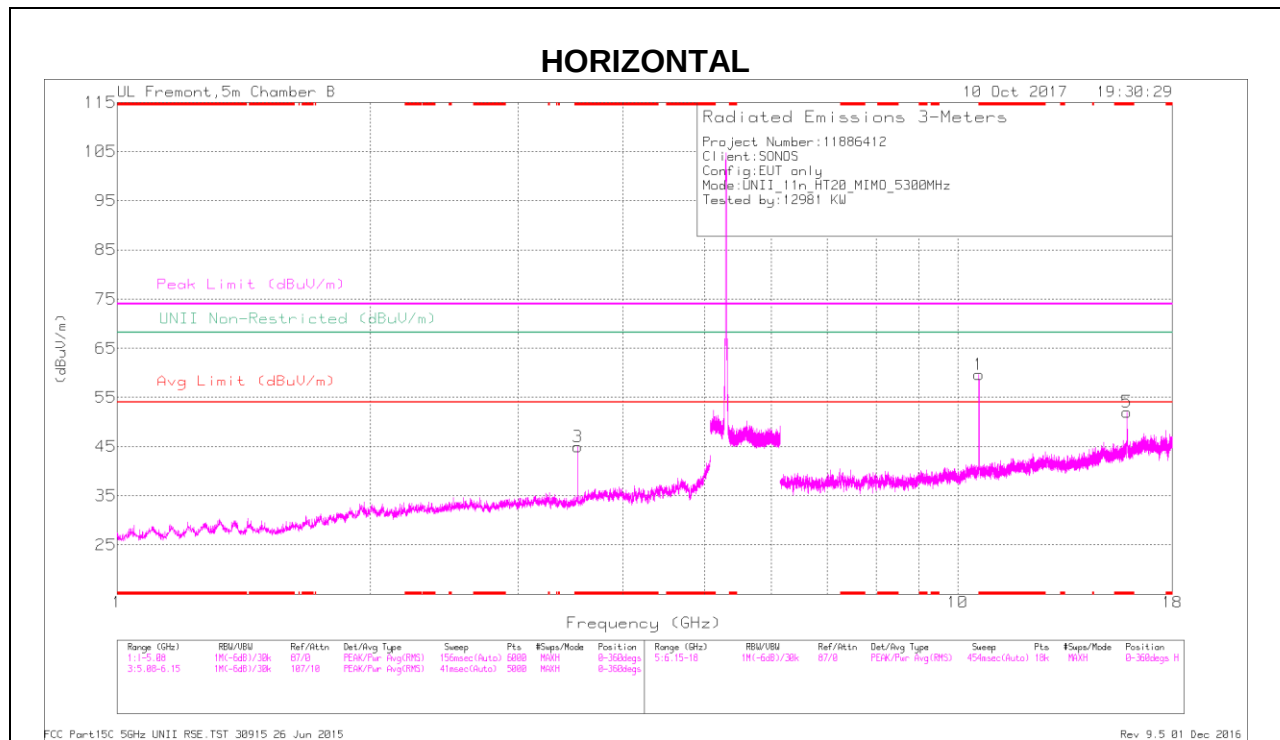
Frequency (kHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chf/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.507	45.08	PK-U	32.8	-31	0	45.88	-	-	74	-27.12	-	-	56	269	H
* 3.507	41.05	ADR	32.8	-31	.56	43.41	54	-10.59	-	-	-	-	56	269	H
* 3.507	44.23	PK-U	32.8	-31	0	46.03	-	-	74	-27.97	-	-	301	201	V
* 3.507	38.88	ADR	32.8	-31	.56	41.24	54	-12.76	-	-	-	-	301	201	V
* 15.78	38.35	PK-U	40.9	-20.4	0	58.85	-	-	74	-15.14	-	-	7	399	H
* 15.78	23.22	ADR	40.9	-20.4	.56	46.28	54	-7.72	-	-	-	-	7	399	H
* 15.78	40.43	PK-U	40.9	-20.4	0	60.53	-	-	74	-13.07	-	-	71	108	V
* 15.779	26.33	ADR	40.9	-20.4	.56	47.39	54	-6.61	-	-	-	-	71	108	V
10.52	49.34	PK-U	37.6	-23.1	0	63.84	-	-	-	-	68.2	-4.35	219	315	H
10.52	52.6	PK-U	37.6	-23.1	0	67.1	-	-	-	-	68.2	-1.1	248	379	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

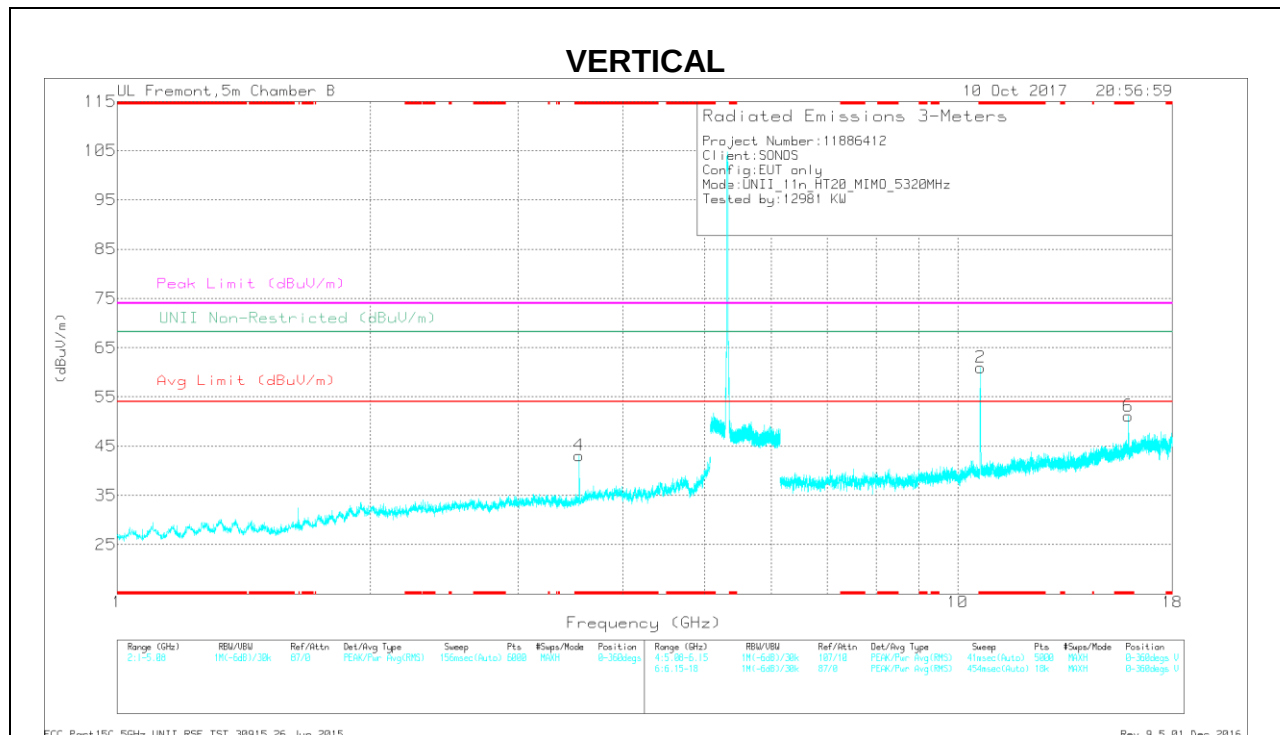
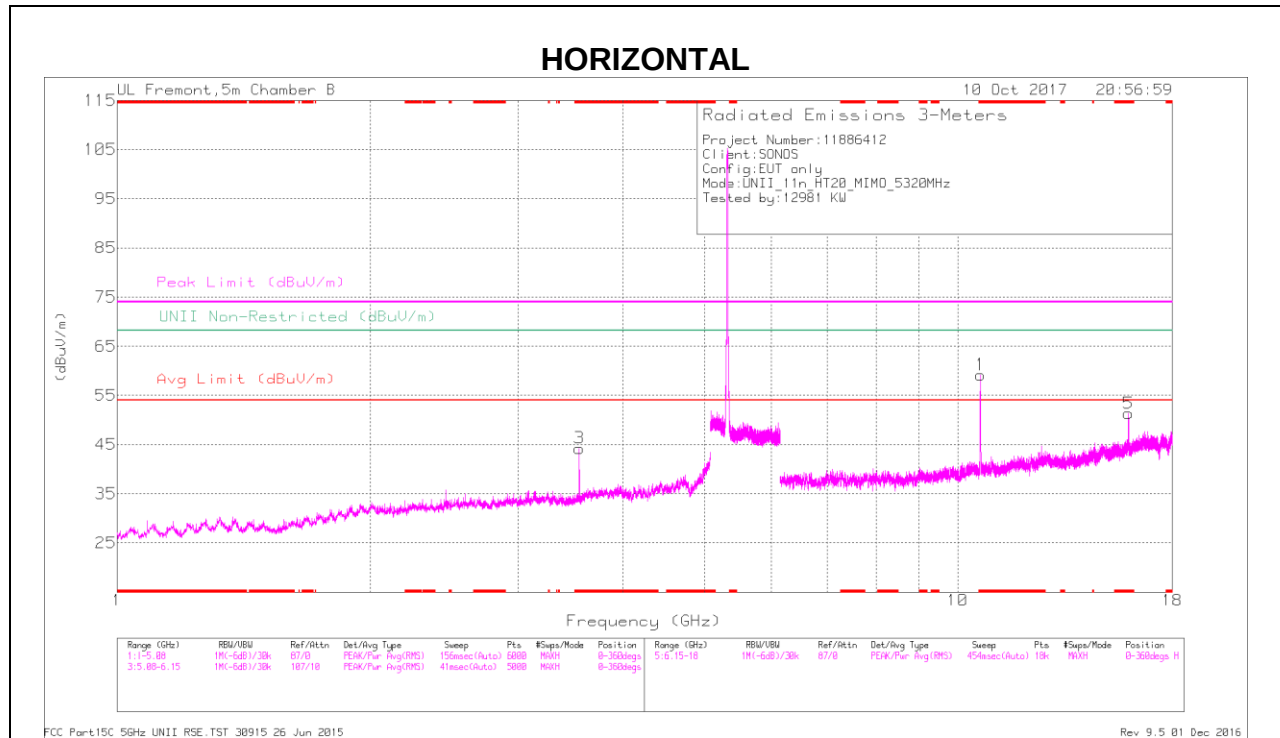
Frequency (GHz)	Meas Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chassis/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.533	46.03	PK-U	32.9	-30.4	0	48.53	-	-	74	-25.47	-	-	49	279	H
* 3.533	41.94	ADR	32.9	-30.4	.56	45	54	-9	-	-	-	-	49	279	H
* 3.533	44.22	PK-U	32.9	-30.4	0	46.72	-	-	74	-27.28	-	-	306	196	V
* 3.533	39.04	ADR	32.9	-30.4	.56	42.1	54	-11.9	-	-	-	-	306	196	V
* 15.9	39.35	PK-U	41	-19.1	0	61.25	-	-	74	-12.75	-	-	50	109	H
* 15.9	25.8	ADR	41	-19.1	.56	48.26	54	-5.74	-	-	-	-	50	109	H
* 15.9	39.5	PK-U	41	-19.1	0	61.4	-	-	74	-12.6	-	-	13	257	V
* 15.901	26.44	ADR	41	-19.1	.56	48.9	54	-5.1	-	-	-	-	13	257	V
10.6	47.48	PK-U	37.6	-23.5	0	61.58	-	-	-	-	68.2	-6.62	52	333	H
10.6	53.15	PK-U	37.6	-23.5	0	67.25	-	-	-	-	68.2	-9.5	189	232	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 (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chassis/Pad (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
* 3.547	46.61	PK-U	33	-30.6	0	49.01	-	-	74	-24.99	-	-	59	324	H
* 3.547	41.69	ADR	33	-30.6	.56	44.65	54	-9.35	-	-	-	-	59	324	H
* 3.547	44.67	PK-U	33	-30.6	0	47.27	-	-	74	-26.73	-	-	308	159	V
* 3.547	38.72	ADR	33	-30.6	.56	41.68	54	-12.32	-	-	-	-	308	159	V
* 10.64	48.76	PK-U	37.6	-22.5	0	63.86	-	-	74	-10.14	-	-	223	104	H
* 10.64	35.79	ADR	37.6	-22.5	.56	51.45	54	-2.55	-	-	-	-	223	104	H
* 15.963	37.4	PK-U	41.1	-19.9	0	58.6	-	-	74	-15.4	-	-	73	102	H
* 15.963	22.81	ADR	41.1	-19.9	.56	44.57	54	-9.43	-	-	-	-	73	102	H
* 10.64	48.68	PK-U	37.6	-22.5	0	63.78	-	-	74	-10.22	-	-	40	119	V
* 10.64	37.7	ADR	37.6	-22.5	.56	53.36	54	-64	-	-	-	-	40	119	V
* 15.96	38.93	PK-U	41.1	-20	0	60.03	-	-	74	-13.97	-	-	15	284	V
* 15.959	24.6	ADR	41.1	-20	.56	46.26	54	-7.74	-	-	-	-	15	284	V

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

PK-U - U-NII: Maximum Peak

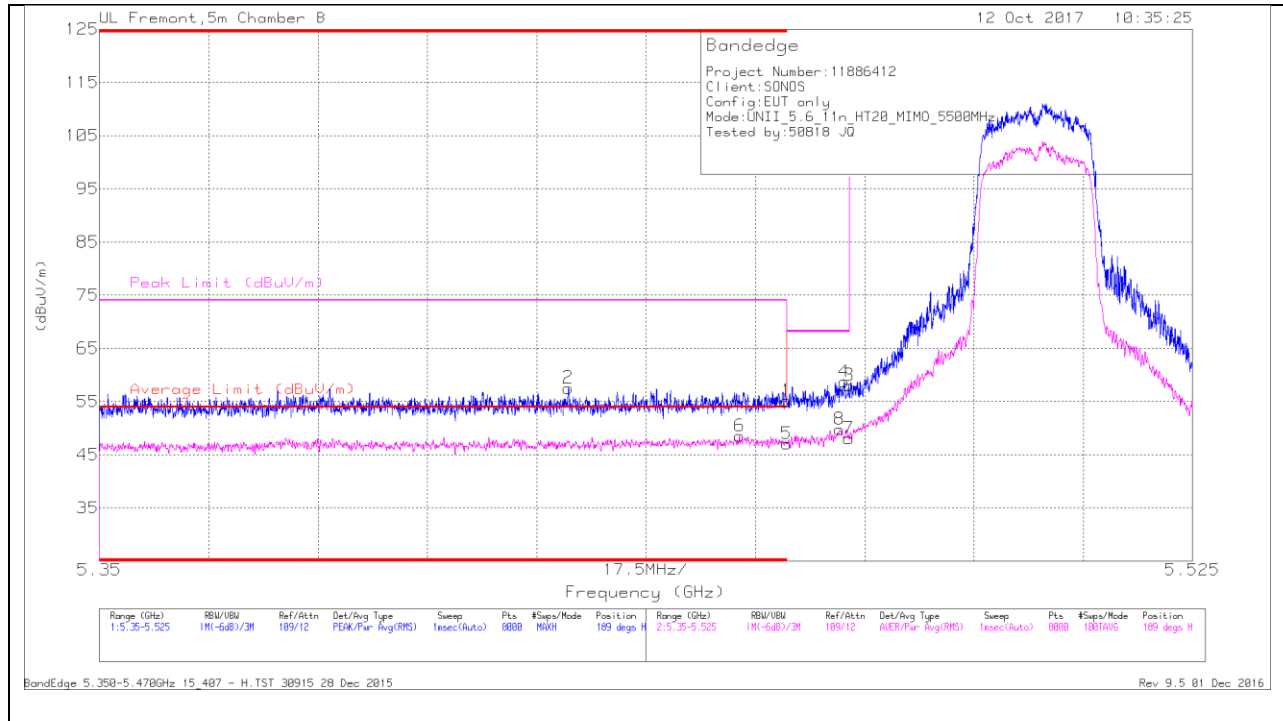
ADR - U-NII AD primary method, RMS average

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

4TX CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



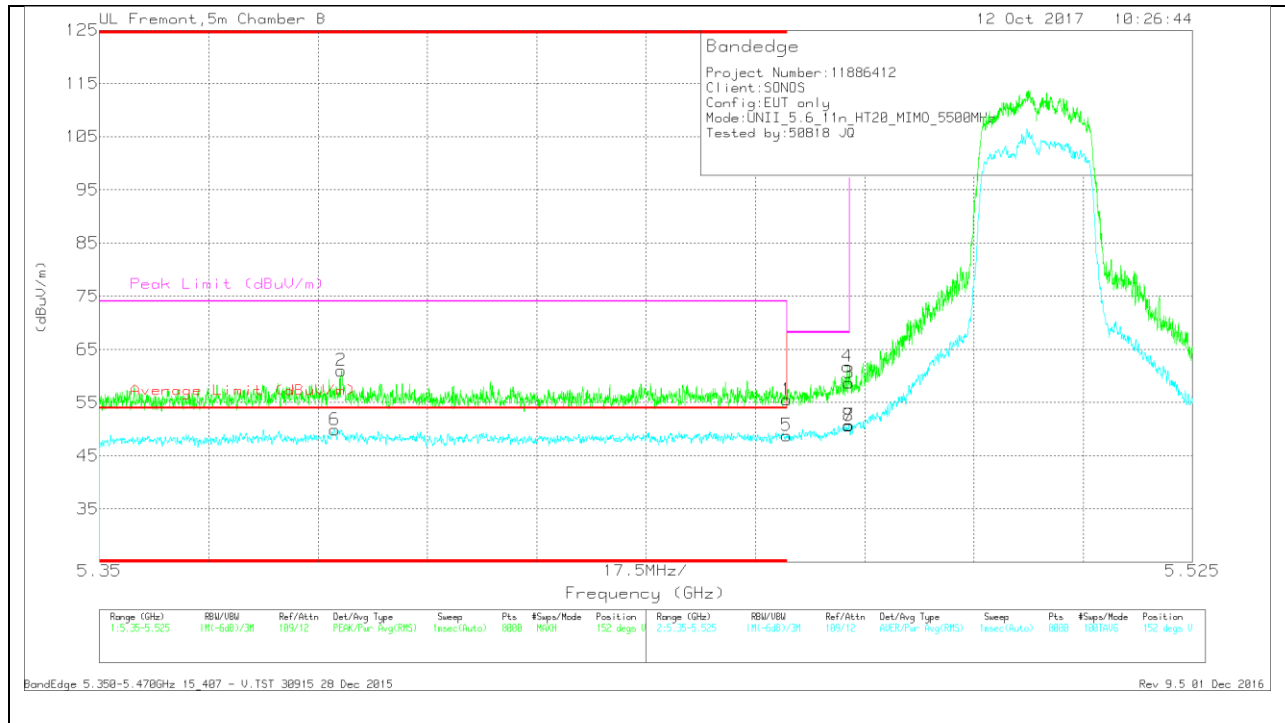
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T83 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.425	41.14	Pk	35.1	-18.7	0	57.54	-	-	74	-10.46	189	239	H
6	* 5.452	31.69	RMS	35.1	-18.8	.56	48.55	54	-5.45	-	-	189	239	H
1	* 5.46	38.82	Pk	35.2	-18.9	0	55.12	-	-	74	-18.88	189	239	H
5	* 5.46	30.22	RMS	35.2	-18.9	.56	47.08	54	-6.92	-	-	189	239	H
8	5.468	32.93	RMS	35.2	-18.9	.56	49.79	-	-	-	-	189	239	H
4	5.469	42.42	Pk	35.2	-18.9	0	58.72	-	-	68.2	-9.48	189	239	H
3	5.47	41.72	Pk	35.2	-18.9	0	58.02	-	-	68.2	-10.18	189	239	H
7	5.47	31.21	RMS	35.2	-18.9	.56	48.07	-	-	-	-	189	239	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 T863 (dBm)	Amp/Cbl/Ftr/Pad (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
6	* 5.398	32.95	RMS	35	-18.6	.56	49.91	54	-4.09	-	-	152	310	V
2	* 5.399	44.61	Pk	35	-18.6	0	61.01	-	-	74	-12.99	152	310	V
1	* 5.46	39.23	Pk	35.2	-18.9	0	55.53	-	-	74	-18.47	152	310	V
5	* 5.46	31.96	RMS	35.2	-18.9	.56	48.82	54	-5.18	-	-	152	310	V
3	5.47	42.4	Pk	35.2	-18.9	0	58.7	-	-	68.2	-9.5	152	310	V
4	5.47	45.51	Pk	35.2	-18.9	0	61.81	-	-	68.2	-6.39	152	310	V
7	5.47	33.86	RMS	35.2	-18.9	.56	50.72	-	-	-	-	152	310	V
8	5.47	33.79	RMS	35.2	-18.9	.56	50.65	-	-	-	-	152	310	V

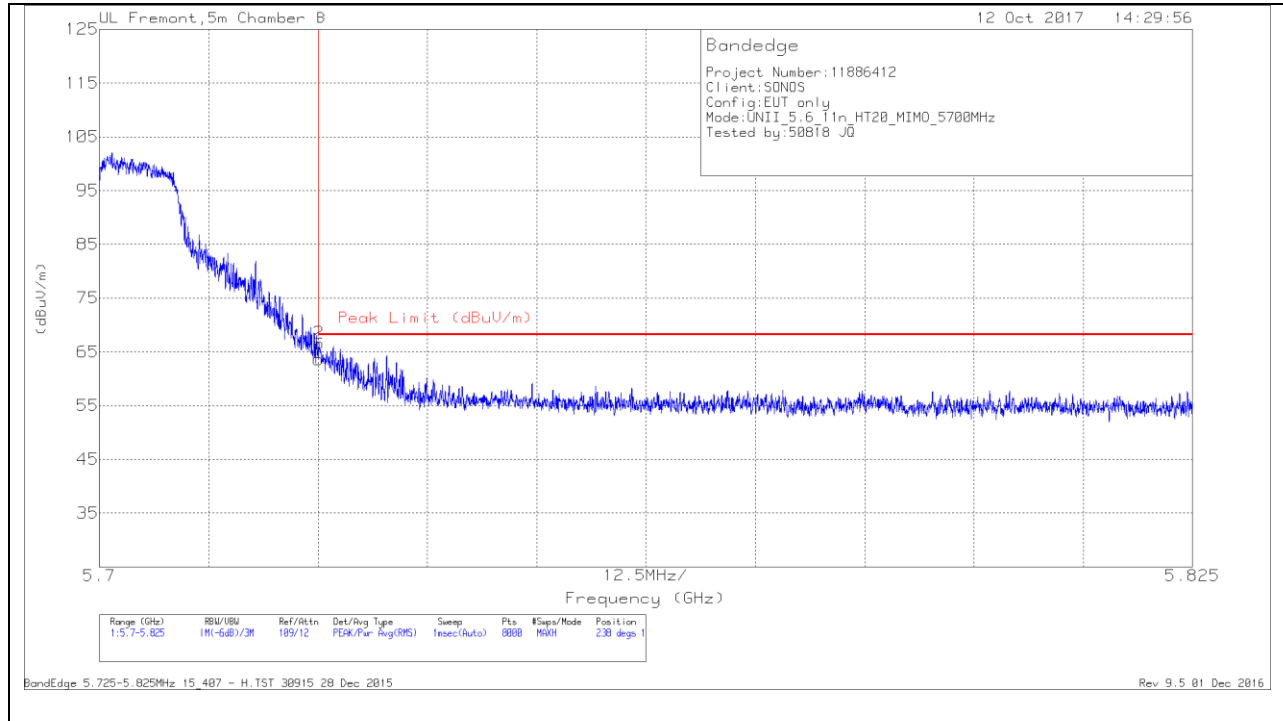
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

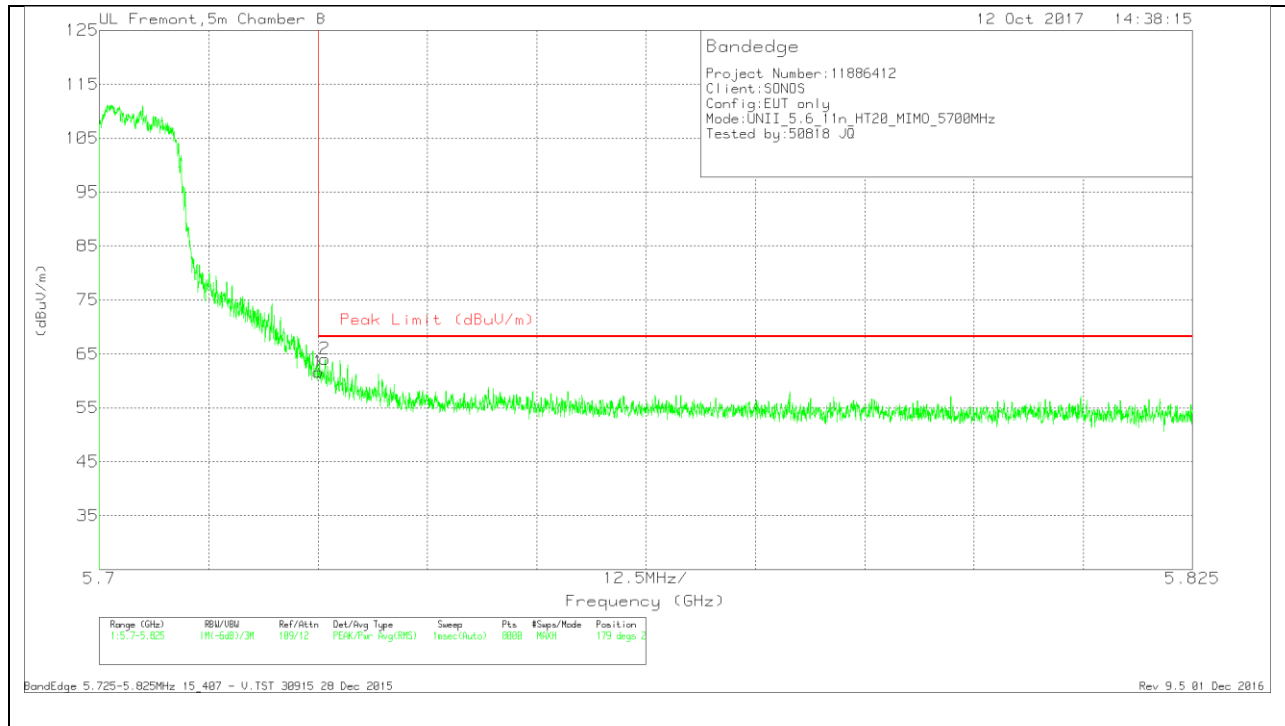
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	48.14	Pk	35	-19.5	63.64	68.2	-4.56	238	102	H
2	5.725	51.08	Pk	35	-19.5	66.58	68.2	-1.62	238	102	H

Pk - Peak detector

VERTICAL RESULT

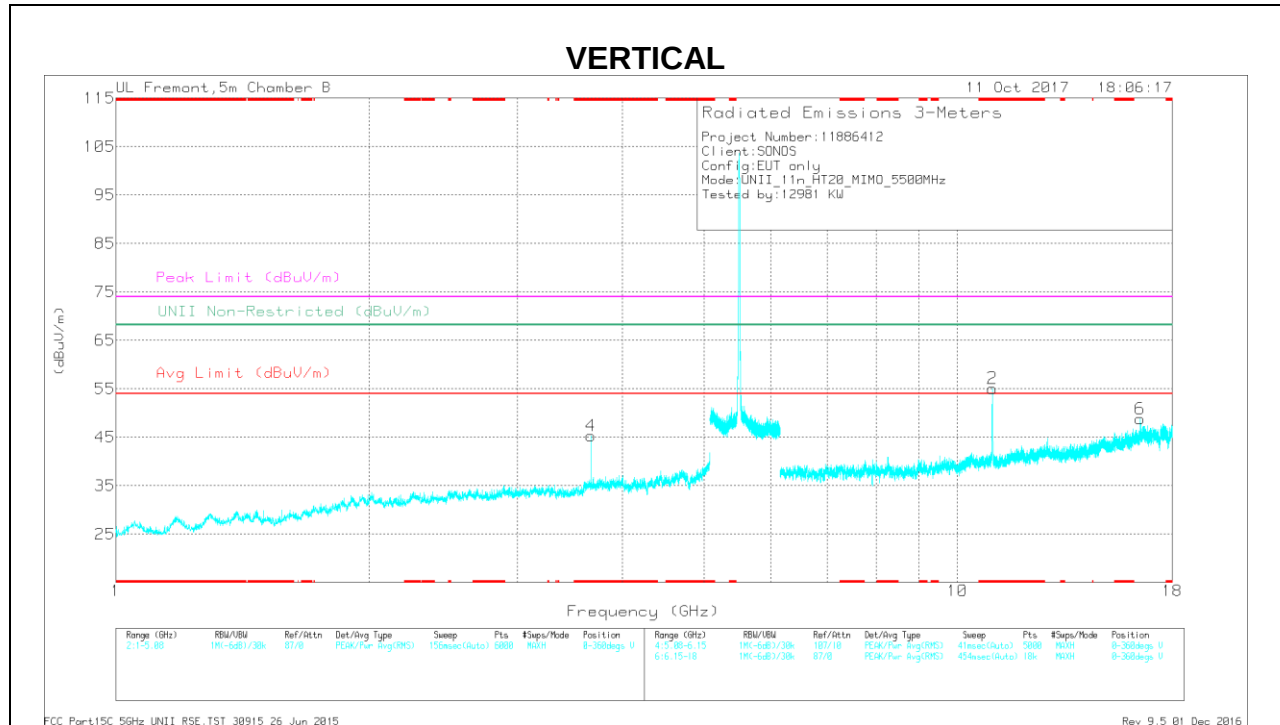
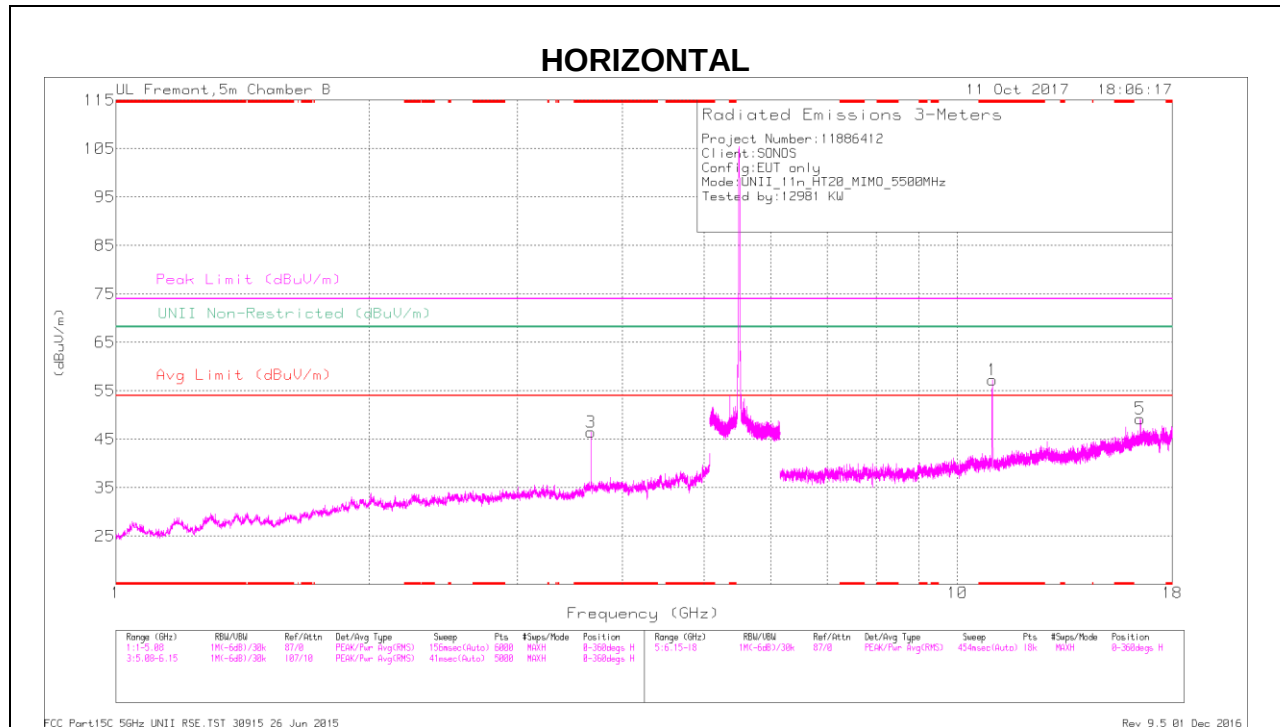


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	46.14	Pk	35	-19.5	61.64	68.2	-6.56	179	240	V
2	5.726	48.55	Pk	35	-19.5	64.05	68.2	-4.15	179	240	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

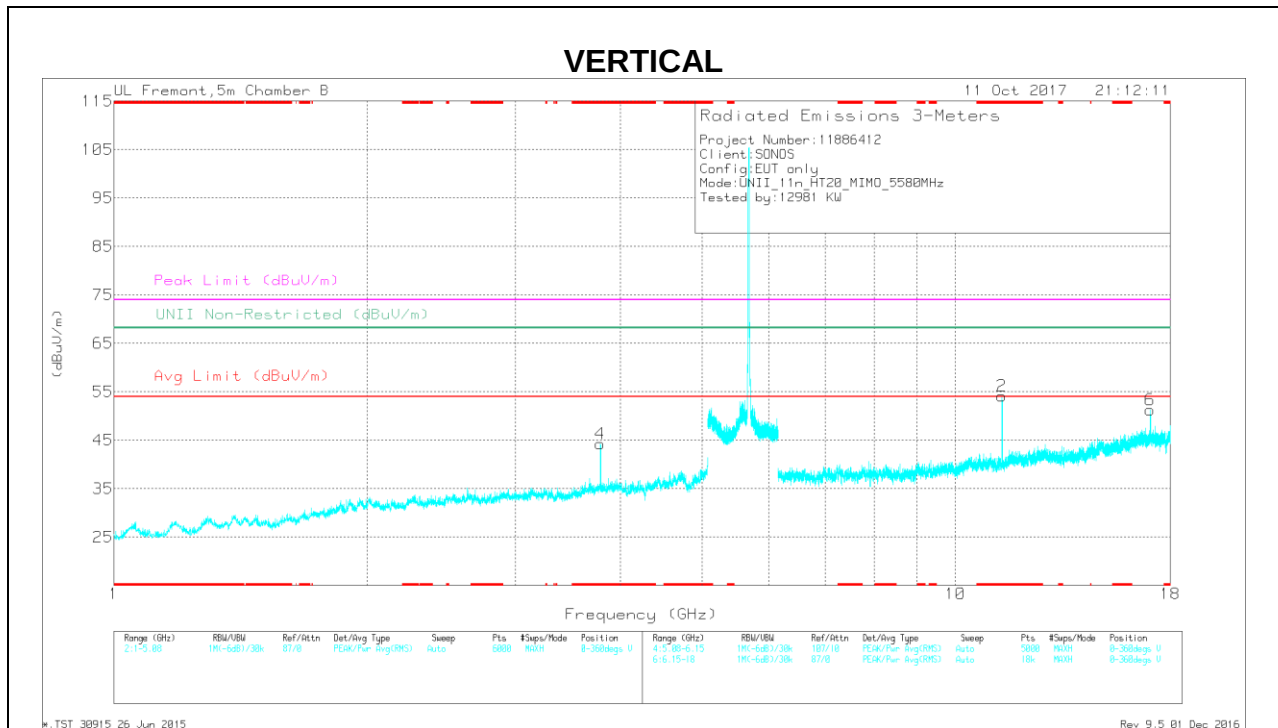
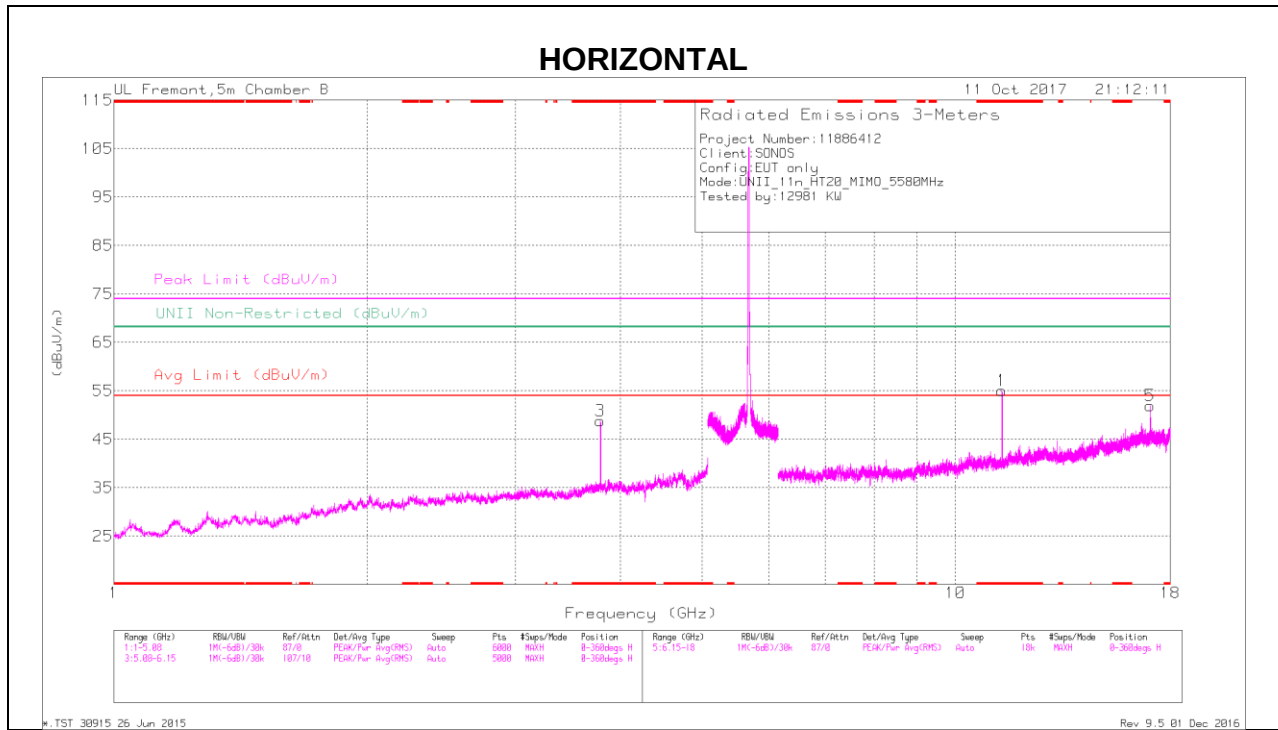
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.667	47.42	PK-U	33.2	-30.8	0	49.82	-	-	74	-24.18	-	-	47	218	H
* 3.667	43.26	ADR	33.2	-30.8	.56	46.22	54	-7.78	-	-	-	-	47	218	H
* 3.667	46.38	PK-U	33.2	-30.8	0	49.78	-	-	74	-25.22	-	-	302	201	V
* 3.667	41.21	ADR	33.2	-30.8	.56	44.17	54	-9.83	-	-	-	-	302	201	V
* 11	49.09	PK-U	37.7	-21.5	0	65.29	-	-	74	-8.71	-	-	18	374	H
* 11	34.95	ADR	37.7	-21.5	.56	51.71	54	-2.29	-	-	-	-	18	374	H
* 11	48.52	PK-U	37.7	-21.5	0	64.72	-	-	74	-9.28	-	-	172	371	V
* 11	36.3	ADR	37.7	-21.5	.56	53.06	54	-.94	-	-	-	-	172	371	V
16.494	32.37	PK-U	41.7	-19.7	0	54.37	-	-	-	-	68.2	-13.83	95	281	H
16.499	33.78	PK-U	41.8	-19.7	0	55.88	-	-	-	-	68.2	-12.32	122	348	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

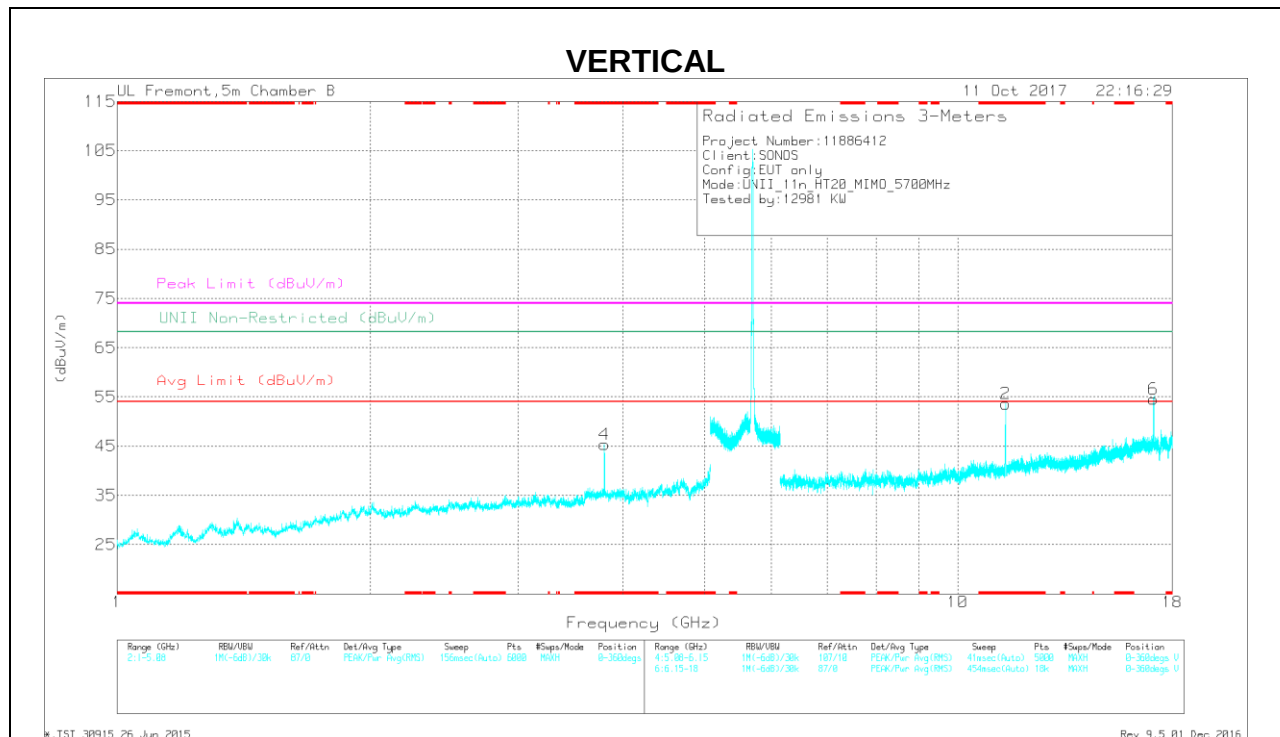
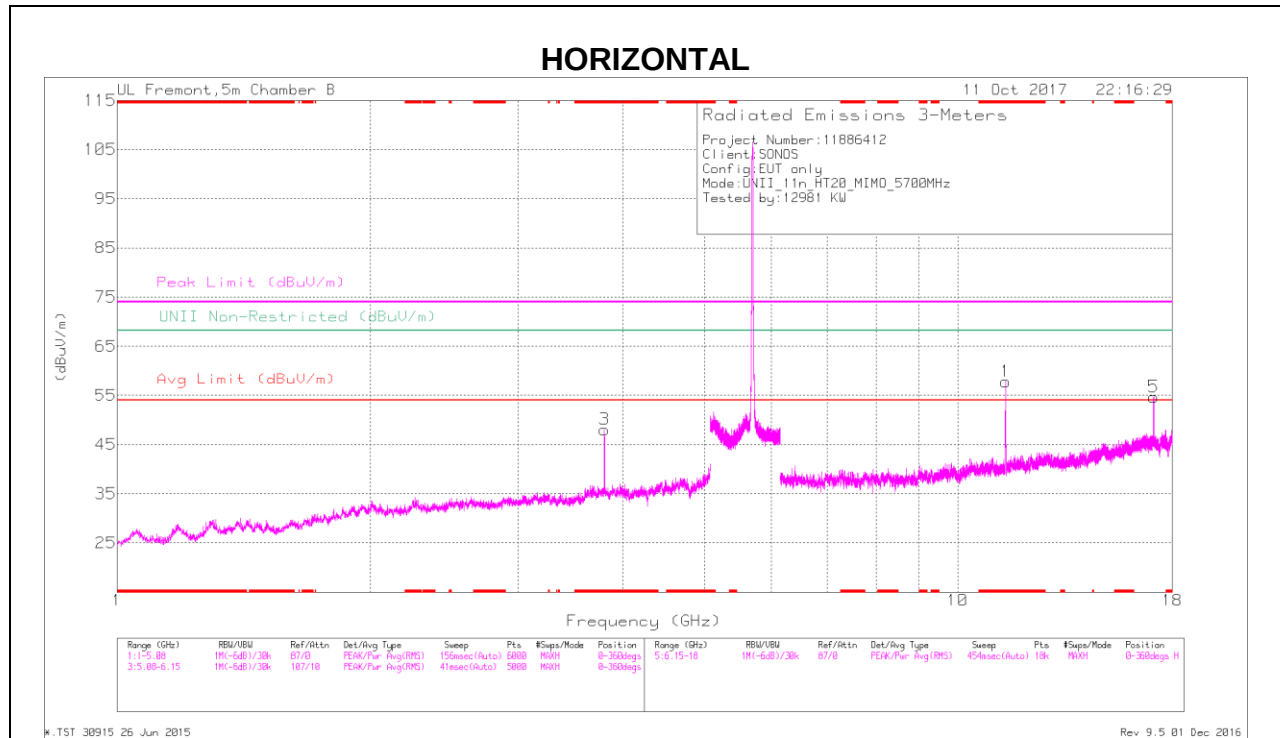
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chassis Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.787	48.33	PK-U	33.5	-30.9	0	50.93	-	-	74	-23.07	-	-	48	251	H
* 3.787	45.27	ADR	33.5	-30.9	.56	48.43	54	-5.57	-	-	-	-	48	251	H
* 3.787	45.09	PK-U	33.5	-30.9	0	49.69	-	-	74	-25.31	-	-	316	224	V
* 3.787	41.82	ADR	33.5	-30.9	.56	44.98	54	-9.02	-	-	-	-	316	224	V
* 11.361	48.11	PK-U	37.9	-23	0	63.01	-	-	74	-10.99	-	-	26	118	H
* 11.36	37.72	ADR	37.9	-23	.56	53.18	54	-82	-	-	-	-	26	118	H
* 11.36	47.12	PK-U	37.9	-23	0	62.02	-	-	74	-11.98	-	-	163	306	V
* 11.36	35.32	ADR	37.9	-23	.56	50.78	54	-3.22	-	-	-	-	163	306	V
17.04	38.7	PK-U	42	-19.8	0	60.9	-	-	-	-	68.2	-7.3	72	400	H
17.04	39.19	PK-U	42	-19.8	0	61.39	-	-	-	-	68.2	-6.81	50	265	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 (GHz)	Meas Reading (dBuV)	Det	AF T863 (dB/m)	Amp/ChFilt/Pad (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
* 3.8	48.74	PK-U	33.6	-30.8	0	51.54	-	-	74	-22.46	-	-	51	201	H
* 3.8	44.31	ADR	33.6	-30.8	.56	47.57	54	-6.33	-	-	-	-	51	201	H
* 3.8	46.07	PK-U	33.6	-30.8	0	49.57	-	-	74	-25.13	-	-	311	172	V
* 3.8	40.62	ADR	33.6	-30.8	.56	43.98	54	-10.02	-	-	-	-	311	172	V
* 11.4	50.32	PK-U	38	-23	0	65.32	-	-	74	-8.68	-	-	50	279	H
* 11.4	36.95	ADR	38	-23	.56	52.51	54	-1.49	-	-	-	-	50	279	H
* 11.401	47.38	PK-U	38	-23	0	62.38	-	-	74	-11.62	-	-	163	309	V
* 11.4	34.06	ADR	38	-23	.56	49.62	54	-4.38	-	-	-	-	163	309	V
17.1	37.33	PK-U	41.9	-19.8	0	59.43	-	-	-	-	68.2	-8.77	54	293	V
17.107	32.14	PK-U	41.9	-19.8	0	54.24	-	-	-	-	68.2	-13.96	291	164	H

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

PK-U - U-NII: Maximum Peak

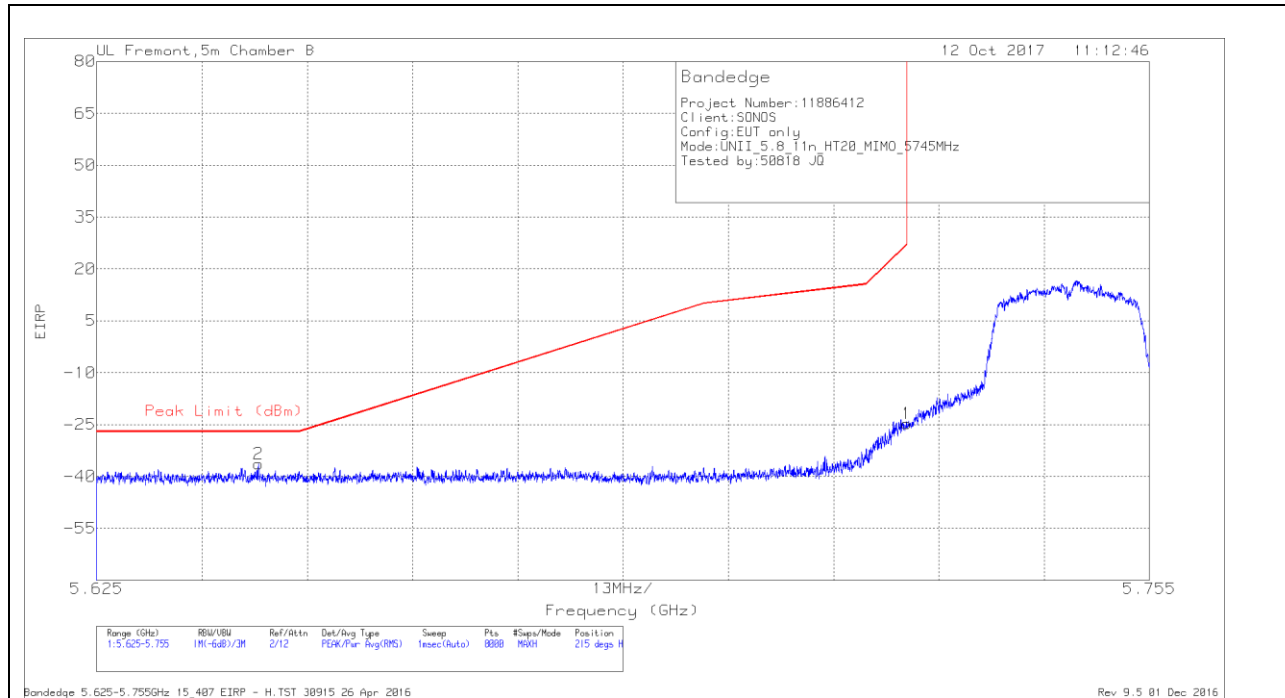
ADR - U-NII AD primary method, RMS average

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

4TX CDD MODE

BANDEGE (LOW CHANNEL)

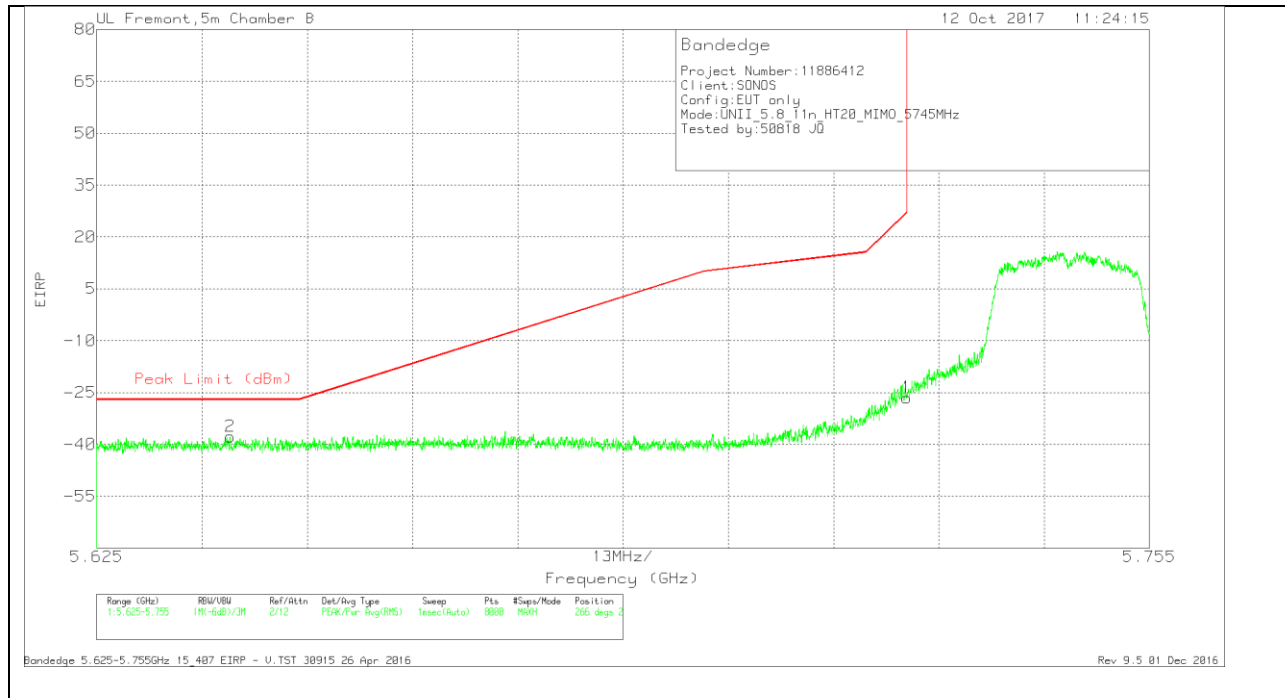
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbll/Ftr/P ad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.645	-64.02	Pk	35.3	-19.5	11.8	-36.42	-27	-9.42	215	195	H
1	5.725	-52.05	Pk	35	-19.5	11.8	-24.75	27	-51.75	215	195	H

Pk - Peak detector

VERTICAL RESULT

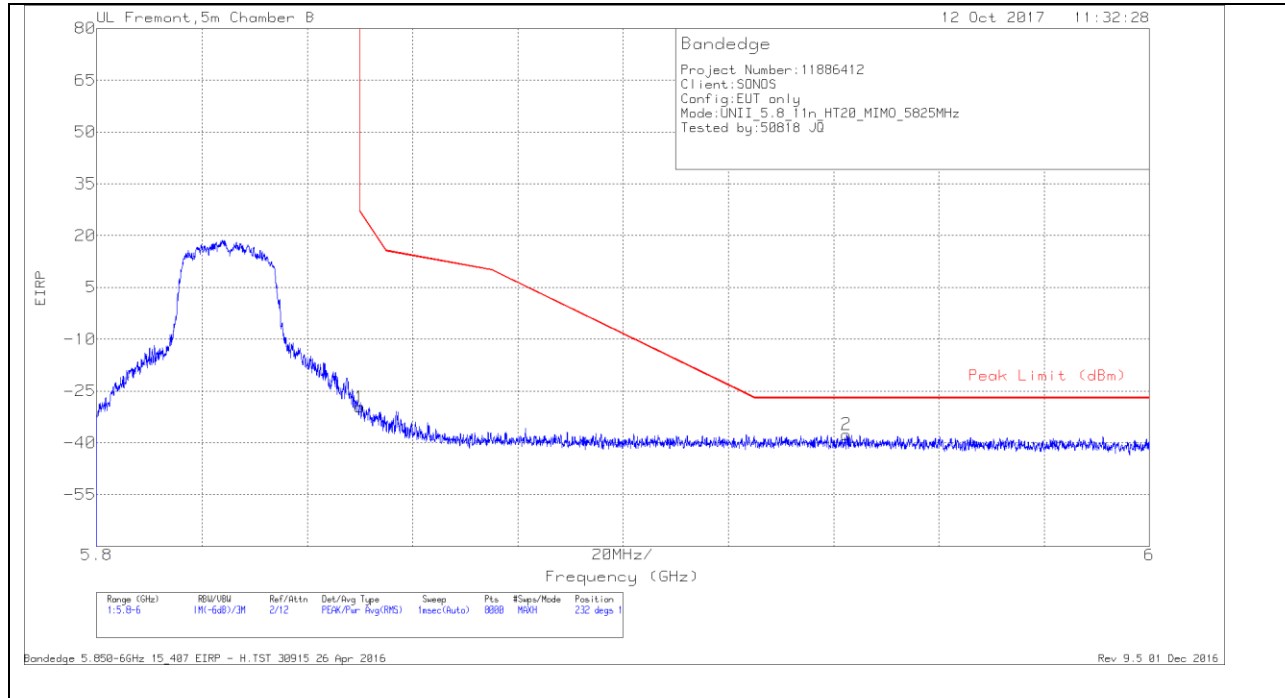


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.641	-65.42	Pk	35.3	-19.4	11.8	-37.72	-27	-10.72	266	228	V
1	5.725	-53.75	Pk	35	-19.5	11.8	-26.45	27	-53.45	266	228	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

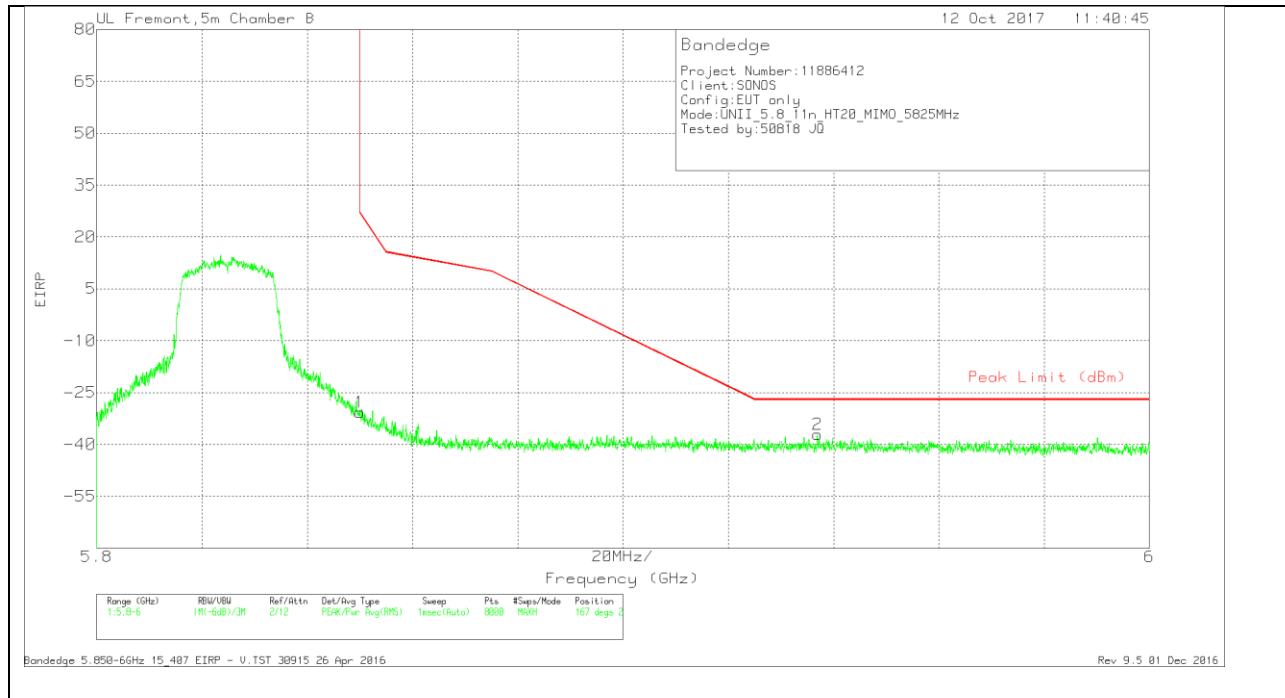
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbll/Ftr/P ad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-57.2	Pk	35.1	-19.3	11.8	-29.6	26.99	-56.59	232	174	H
2	5.942	-65.57	Pk	35.2	-19	11.8	-37.57	-27	-10.57	232	174	H

Pk - Peak detector

VERTICAL RESULT

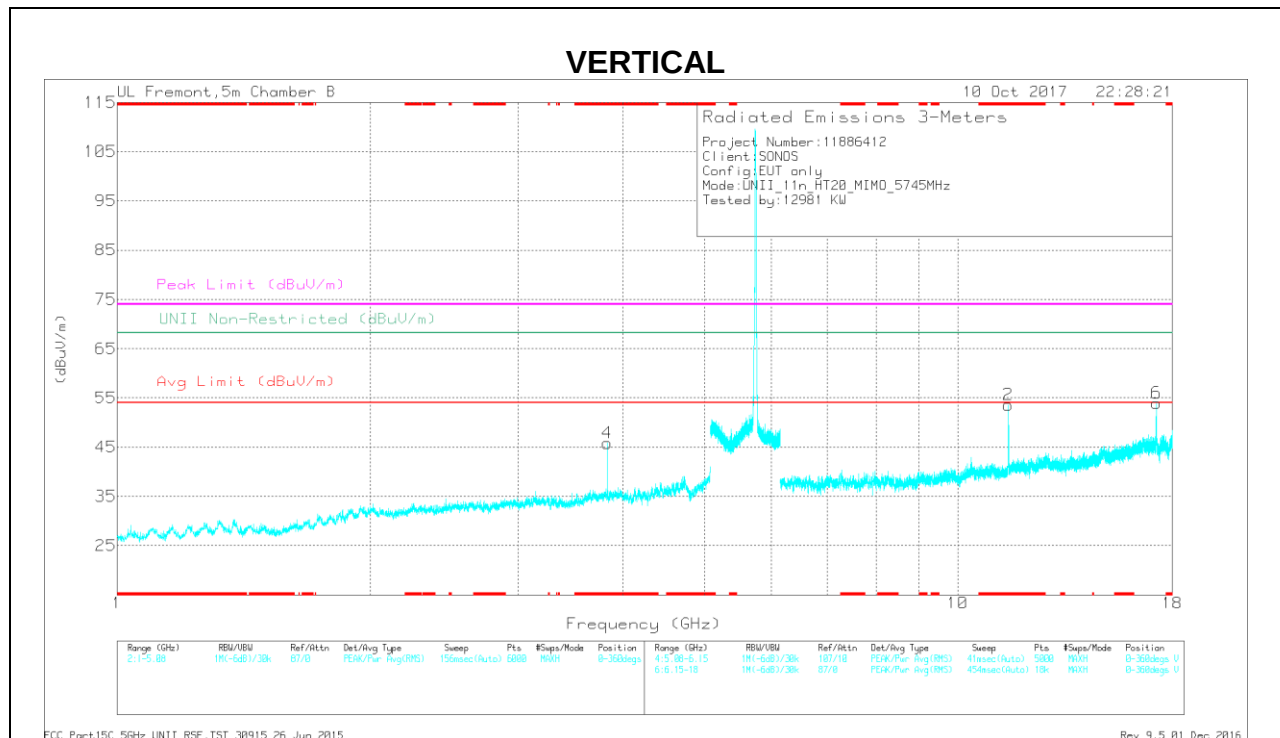
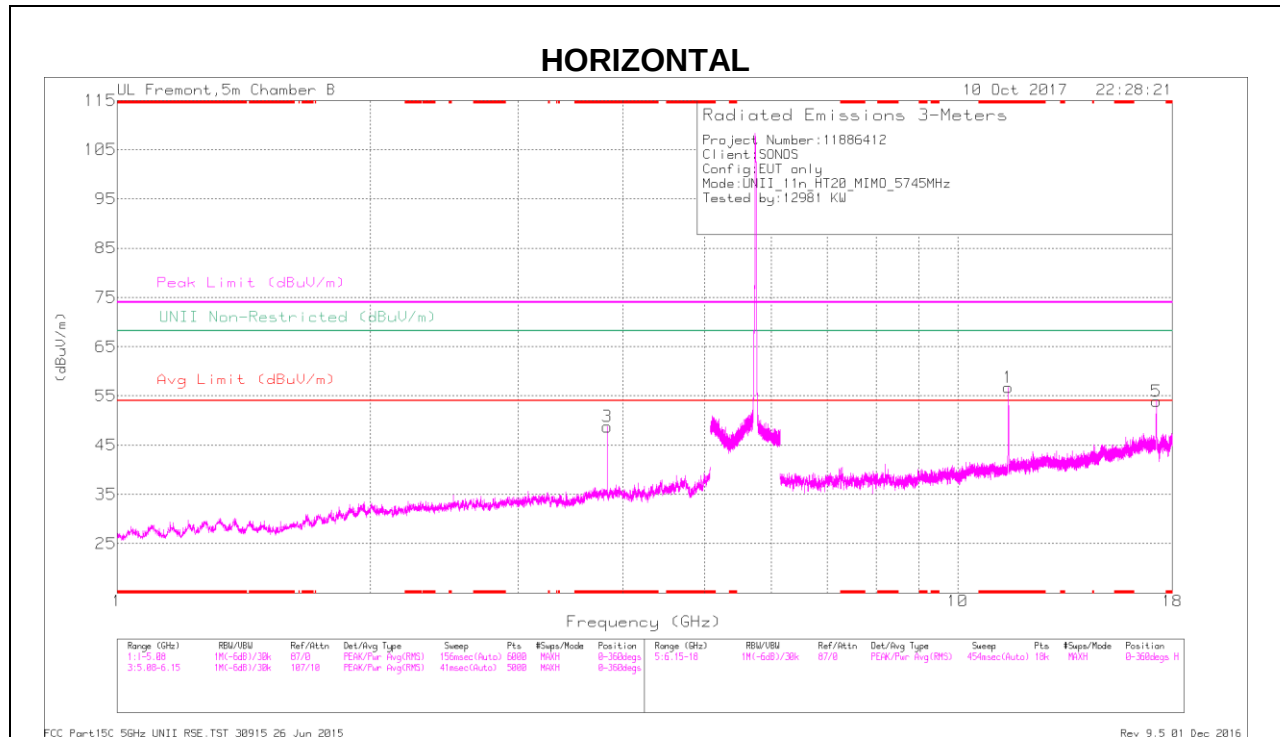


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-58.33	Pk	35.1	-19.3	11.8	-30.73	26.99	-57.72	167	208	V
2	5.937	-65.16	Pk	35.2	-18.9	11.8	-37.06	-27	-10.06	167	208	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

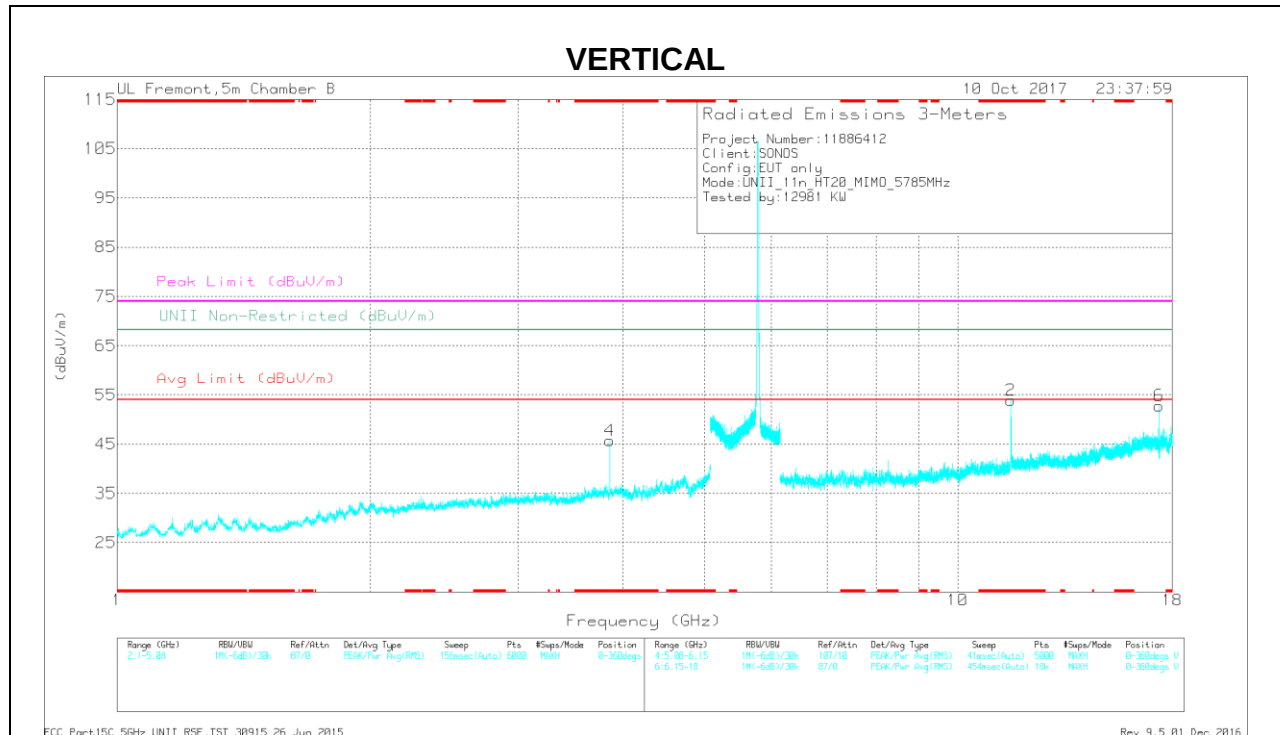
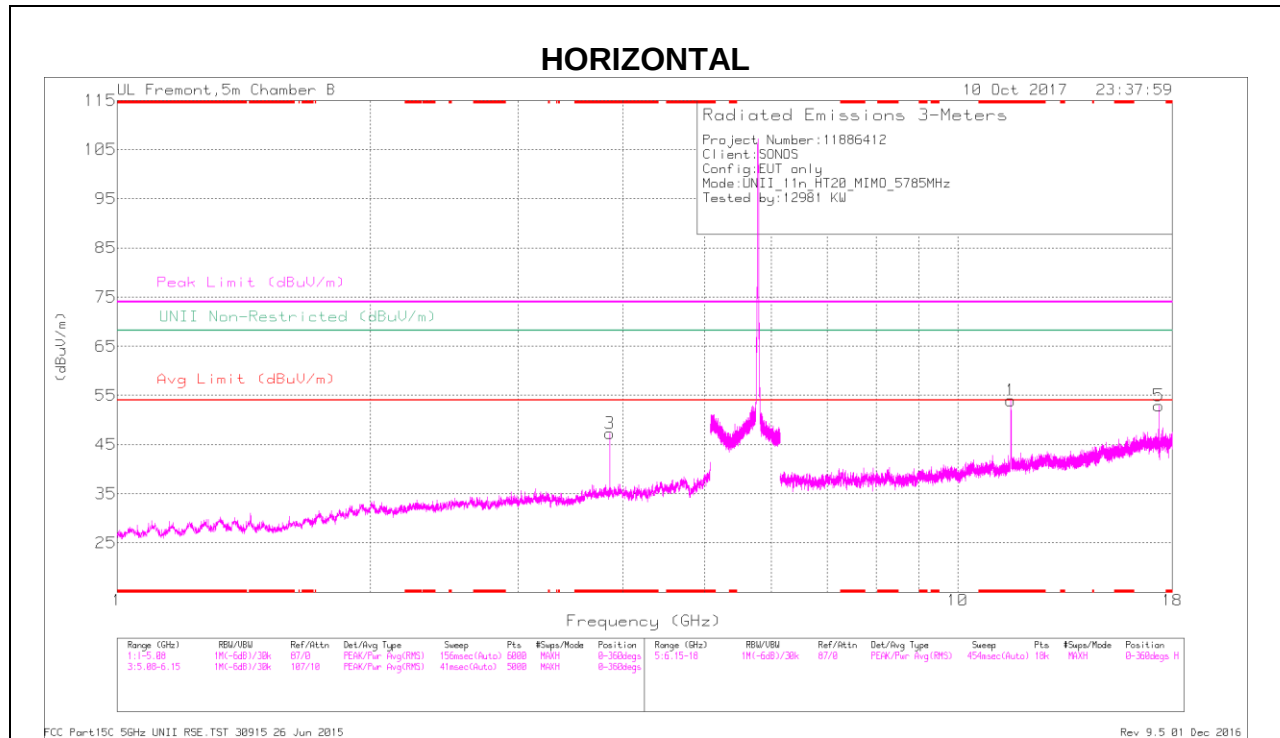
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T83 (dB/m)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.83	48.33	PK-U	33.5	-30.6	0	51.23	-	-	74	-22.77	-	-	47	223	H
* 3.83	45.27	ADR	33.5	-30.6	.56	48.73	54	-5.27	-	-	-	-	47	223	H
* 3.83	46.84	PK-U	33.5	-30.6	0	49.74	-	-	74	-24.26	-	-	311	276	V
* 3.83	42.67	ADR	33.5	-30.6	.56	46.13	54	-7.87	-	-	-	-	311	276	V
* 11.49	44.9	PK-U	38.1	-22.5	0	60.5	-	-	74	-13.5	-	-	49	211	H
* 11.49	33.97	ADR	38.1	-22.5	.56	50.13	54	-3.87	-	-	-	-	49	211	H
* 11.49	43.07	PK-U	38.1	-22.5	0	58.67	-	-	74	-15.33	-	-	354	102	V
* 11.49	32.07	ADR	38.1	-22.5	.56	48.23	54	-5.77	-	-	-	-	354	102	V
17.228	40.89	PK-U	41.6	-19.7	0	62.79	-	-	-	-	68.2	-5.41	54	397	V
17.235	40.05	PK-U	41.6	-19.6	0	62.05	-	-	-	-	68.2	-6.15	2	241	H

* - 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

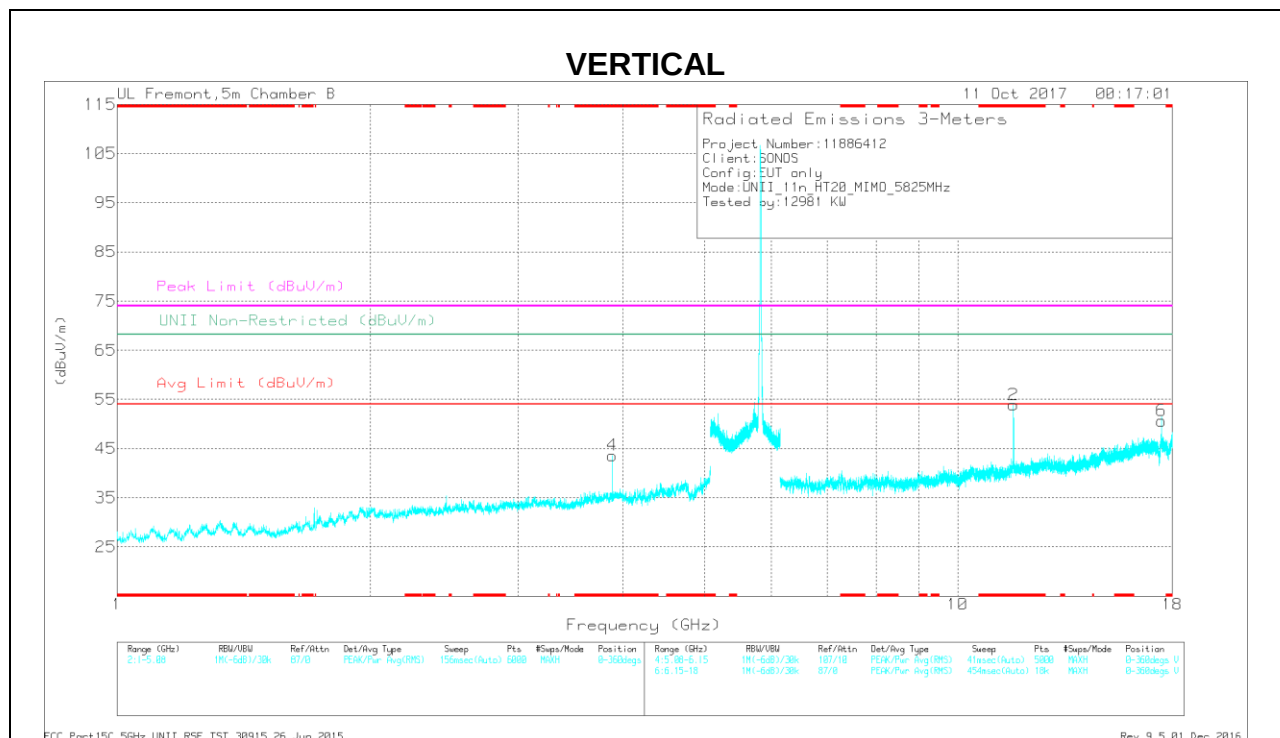
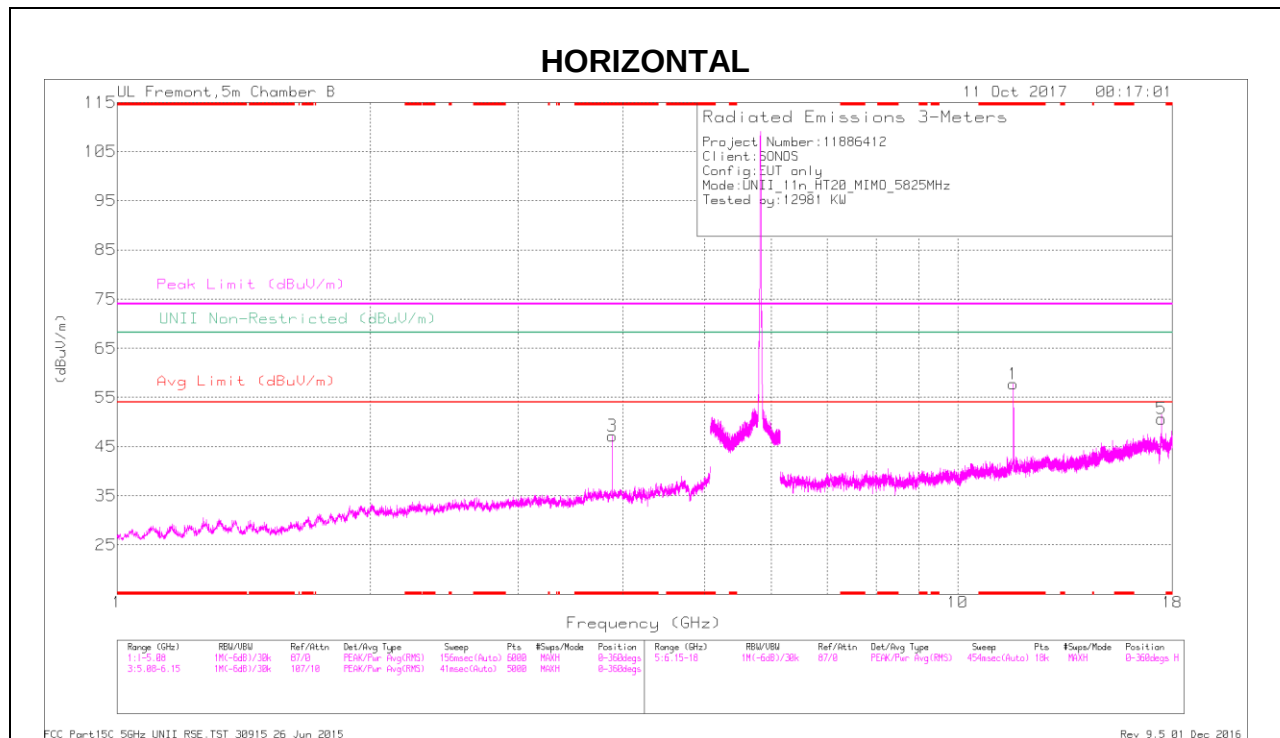
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chassis/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.857	48.35	PK-U	33.5	-30.8	0	51.05	-	-	74	-22.95	-	-	52	231	H
* 3.857	45.22	ADR	33.5	-30.8	.56	48.48	54	-5.52	-	-	-	-	52	231	H
* 3.857	45.05	PK-U	33.5	-30.8	0	48.75	-	-	74	-25.25	-	-	235	115	V
* 3.857	41.67	ADR	33.5	-30.8	.56	44.93	54	-9.07	-	-	-	-	235	115	V
* 11.57	45.18	PK-U	38.2	-22.1	0	61.28	-	-	74	-12.72	-	-	29	114	H
* 11.57	34.03	ADR	38.2	-22.1	.56	50.69	54	-3.31	-	-	-	-	29	114	H
* 11.57	44.51	PK-U	38.2	-22.1	0	60.61	-	-	74	-13.39	-	-	107	354	V
* 11.57	31.82	ADR	38.2	-22.1	.56	48.48	54	-5.52	-	-	-	-	107	354	V
17.355	41.62	PK-U	41.6	-19.6	0	63.62	-	-	-	-	68.2	-4.58	54	384	V
17.356	36.64	PK-U	41.6	-19.6	0	58.64	-	-	-	-	68.2	-9.56	2	167	H

* - 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

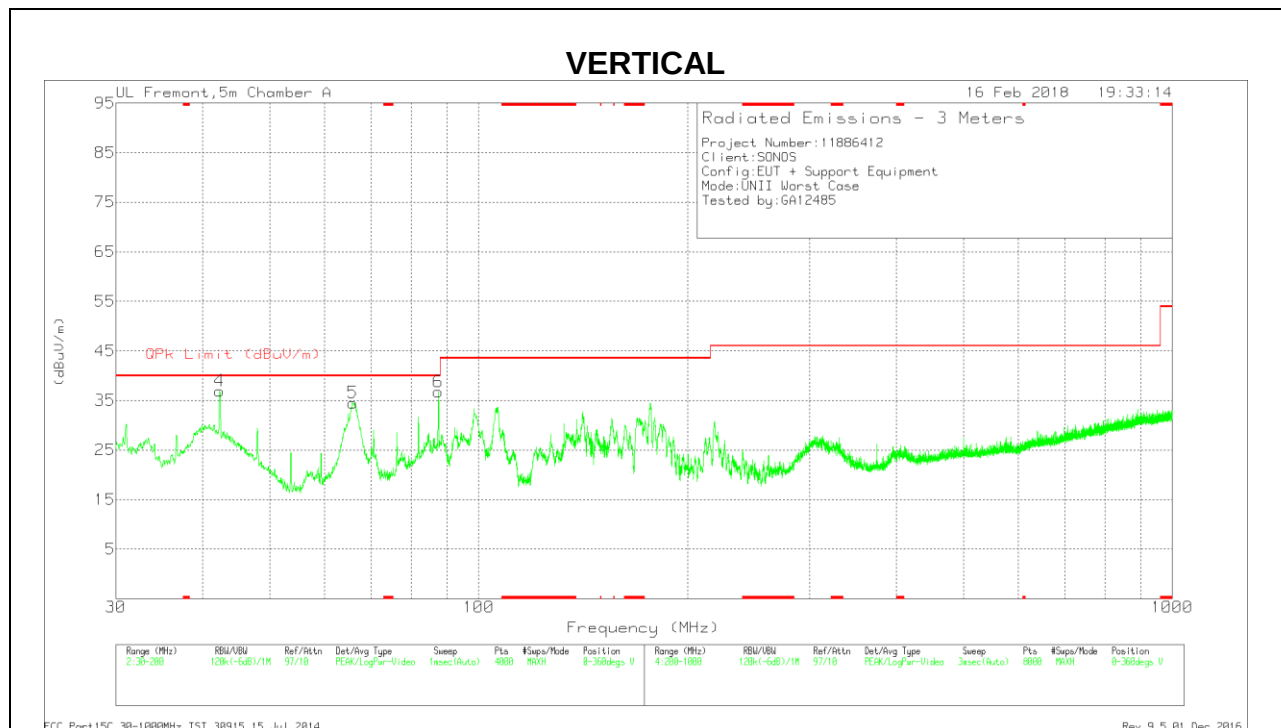
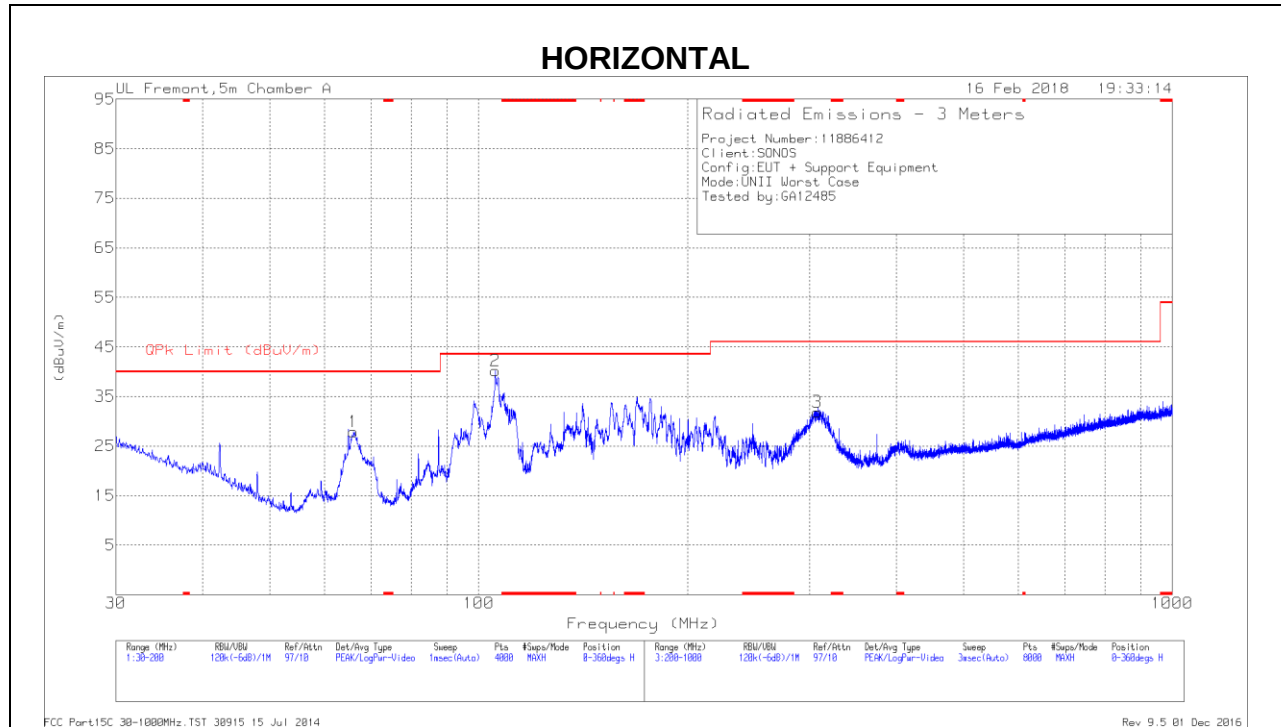
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chassis/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.883	48.41	PK-U	33.5	-30.6	0	51.31	-	-	74	-22.69	-	-	48	210	H
* 3.883	44.9	ADR	33.5	-30.6	.56	48.30	54	-5.64	-	-	-	-	48	210	H
* 3.883	46.21	PK-U	33.5	-30.6	0	49.11	-	-	74	-24.89	-	-	236	106	V
* 3.883	41.64	ADR	33.5	-30.6	.56	45.1	54	-8.9	-	-	-	-	236	106	V
* 11.65	44.81	PK-U	38.3	-22.2	0	60.91	-	-	74	-13.09	-	-	60	380	H
* 11.65	31.88	ADR	38.3	-22.2	.56	48.54	54	-5.46	-	-	-	-	60	380	H
* 11.651	42.21	PK-U	38.3	-22.1	0	58.41	-	-	74	-15.59	-	-	357	102	V
* 11.65	30.03	ADR	38.3	-22.2	.56	46.69	54	-7.31	-	-	-	-	357	102	V
17.475	37.77	PK-U	41.7	-18.8	0	60.67	-	-	-	-	68.2	-7.53	0	269	H
17.475	37.43	PK-U	41.7	-18.8	0	60.33	-	-	-	-	68.2	-7.87	50	107	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

7.2. Worst Case Below 1 GHz



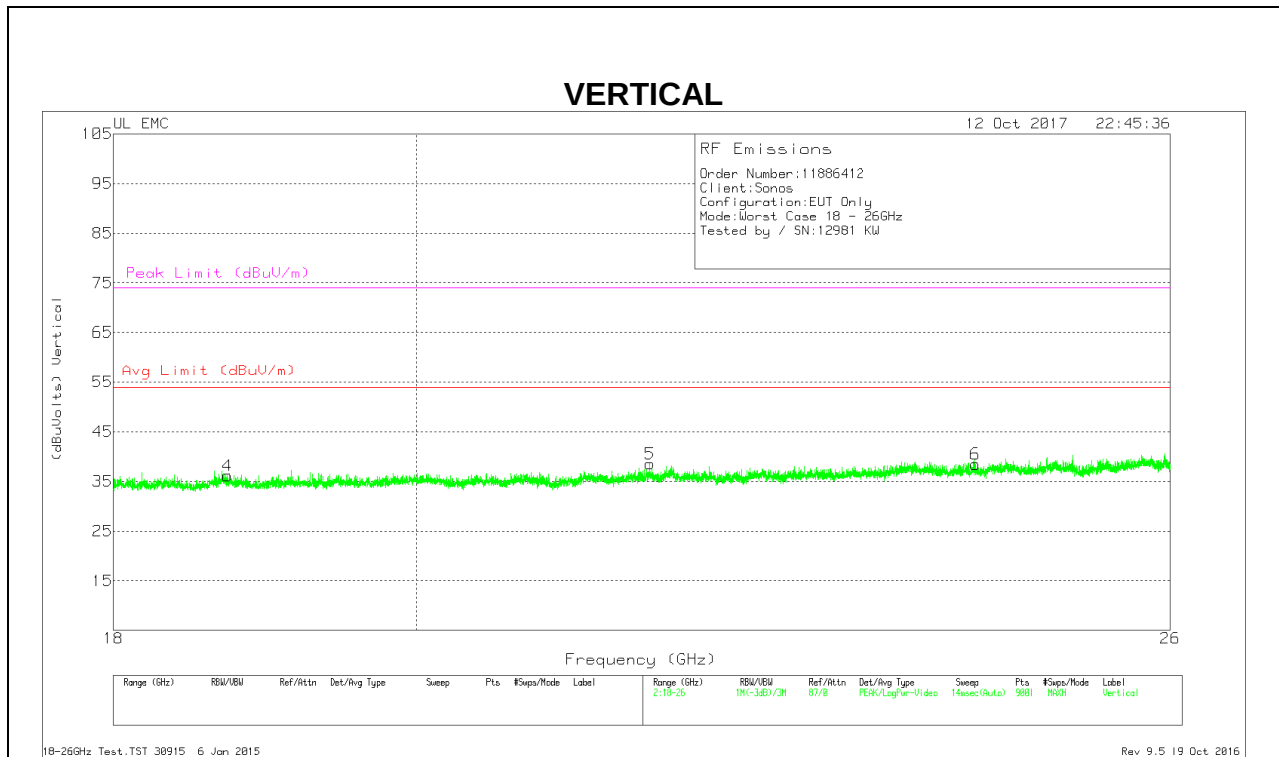
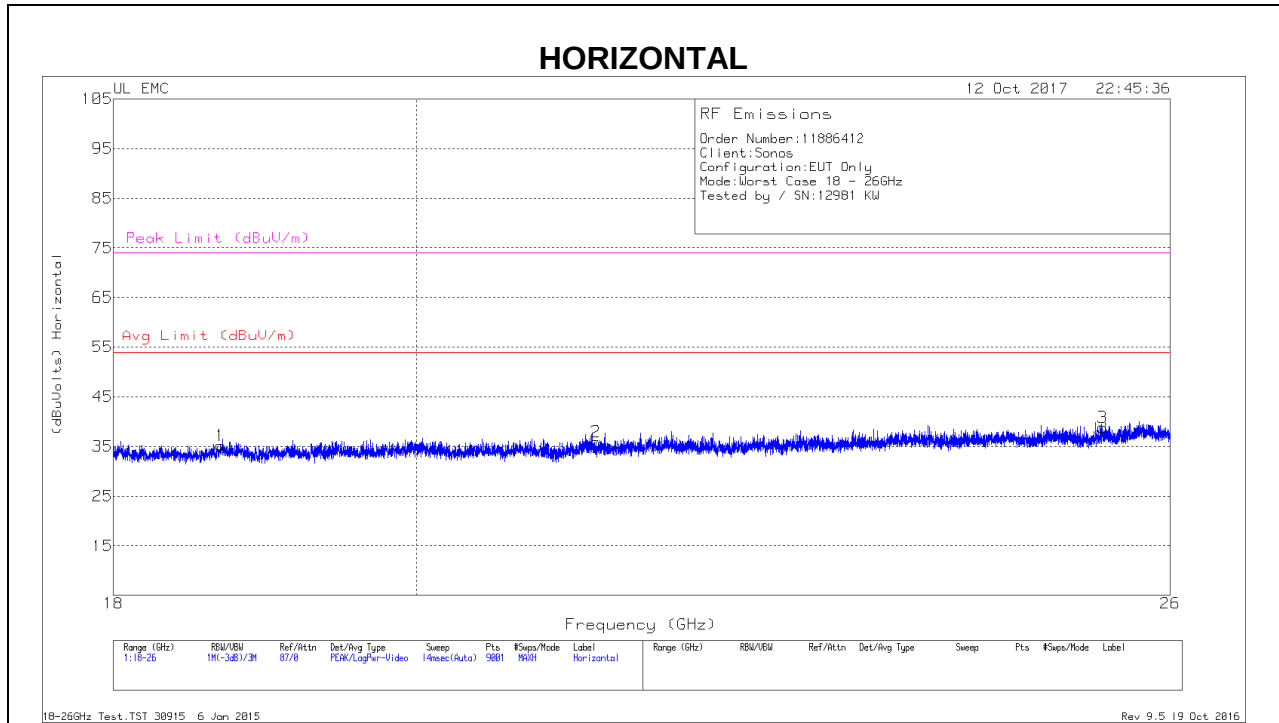
Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	42.3378	36.54	Qp	16.2	-27.1	25.64	40	-14.36	208	400	V
5	65.9384	29.77	Qp	12.1	-26.8	15.07	40	-24.93	282	400	V
6	87.4917	39.82	Qp	11.4	-26.5	24.72	40	-15.28	311	400	V
2	105.7639	47.58	Qp	15.8	-26.3	37.08	43.52	-6.44	303	280	H
1	66.0068	42.64	Pk	12.1	-26.8	27.94	40	-12.06	0-360	300	H
3	307.614	38.88	Pk	17.6	-24.6	31.88	46.02	-14.14	0-360	101	H

Pk - Peak detector

Qp - Quasi-Peak detector

7.3. Worst Case 18-26 GHz

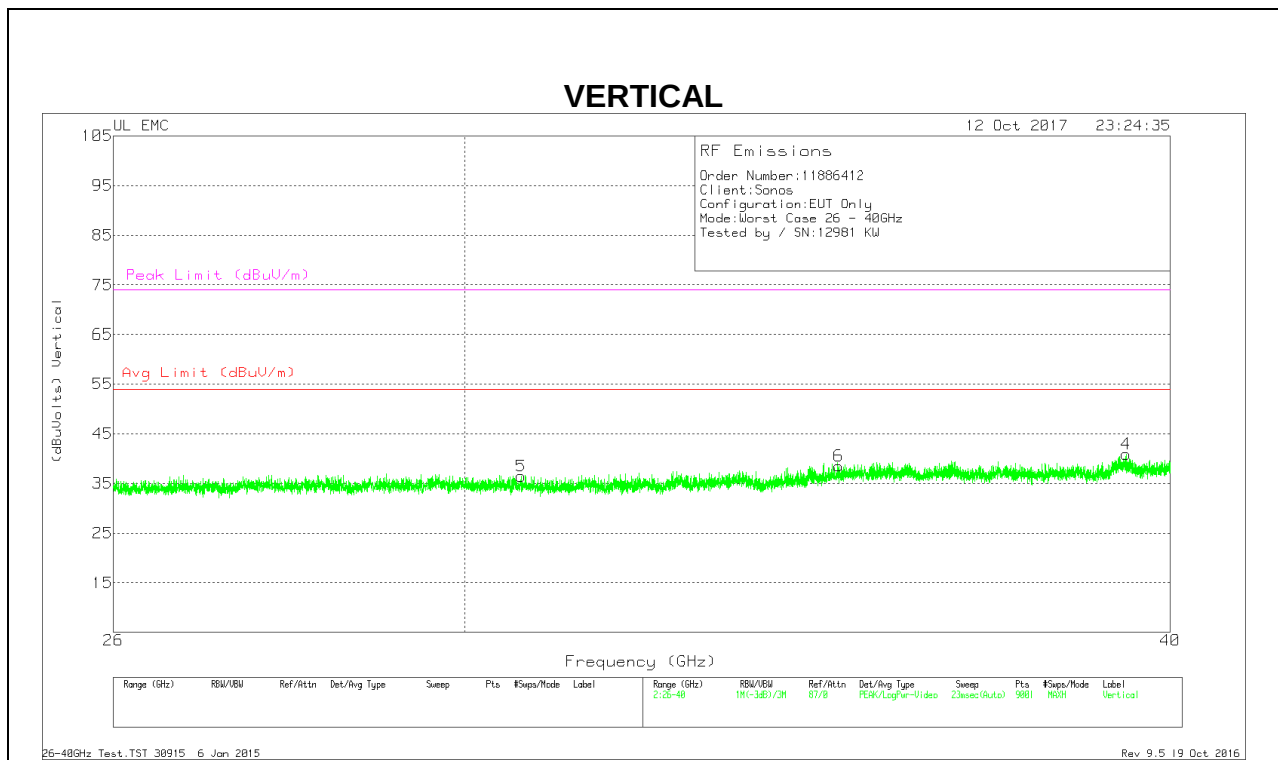
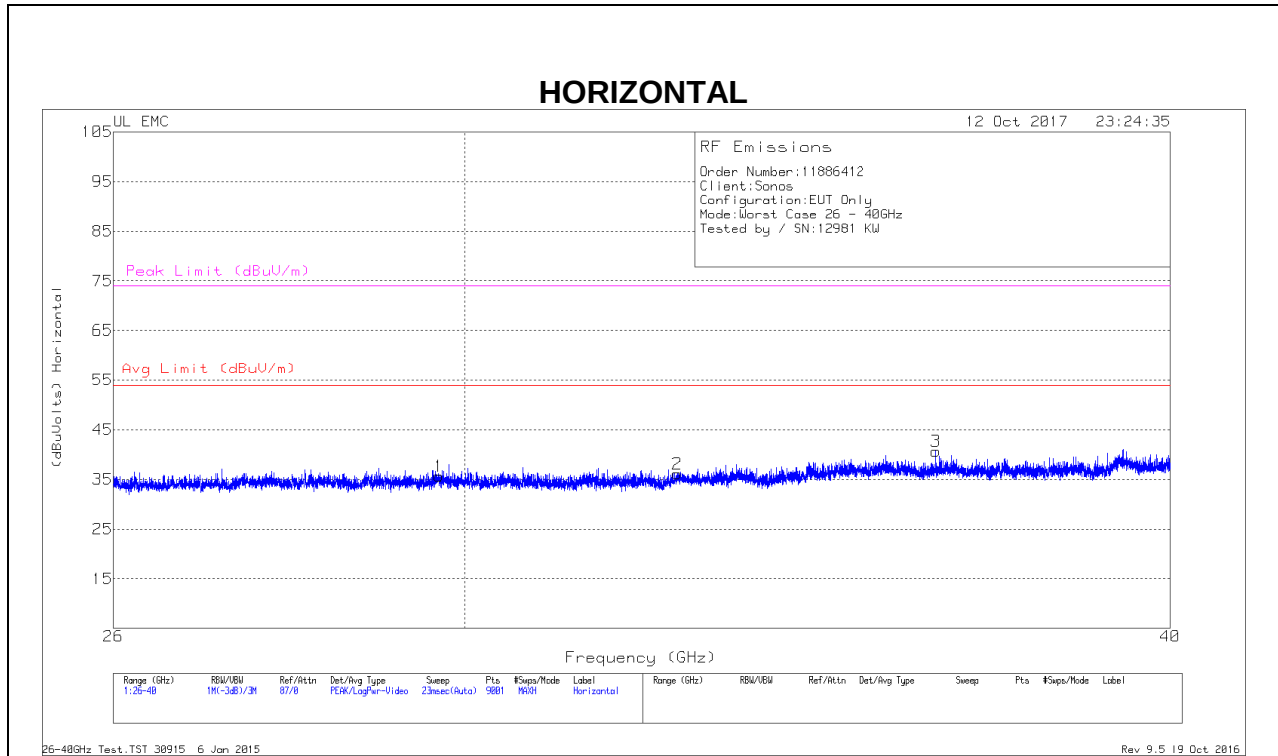


18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T89 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	18.683	36.73	Pk	32.5	-24.5	-9.5	35.23	54	-18.77	74	-38.77
2	21.291	37.67	Pk	33.2	-25.5	-9.5	35.87	54	-18.13	74	-38.13
3	25.392	38.93	Pk	33.7	-24.3	-9.5	38.83	54	-15.17	74	-35.17
4	18.728	37.86	Pk	32.5	-24.7	-9.5	36.16	54	-17.84	74	-37.84
5	21.692	39.36	Pk	33.3	-24.6	-9.5	38.56	54	-15.44	74	-35.44
6	24.295	38.57	Pk	33.6	-24.2	-9.5	38.47	54	-15.53	74	-35.53

Pk - Peak detector

7.4. Worst Case 26-40 GHz

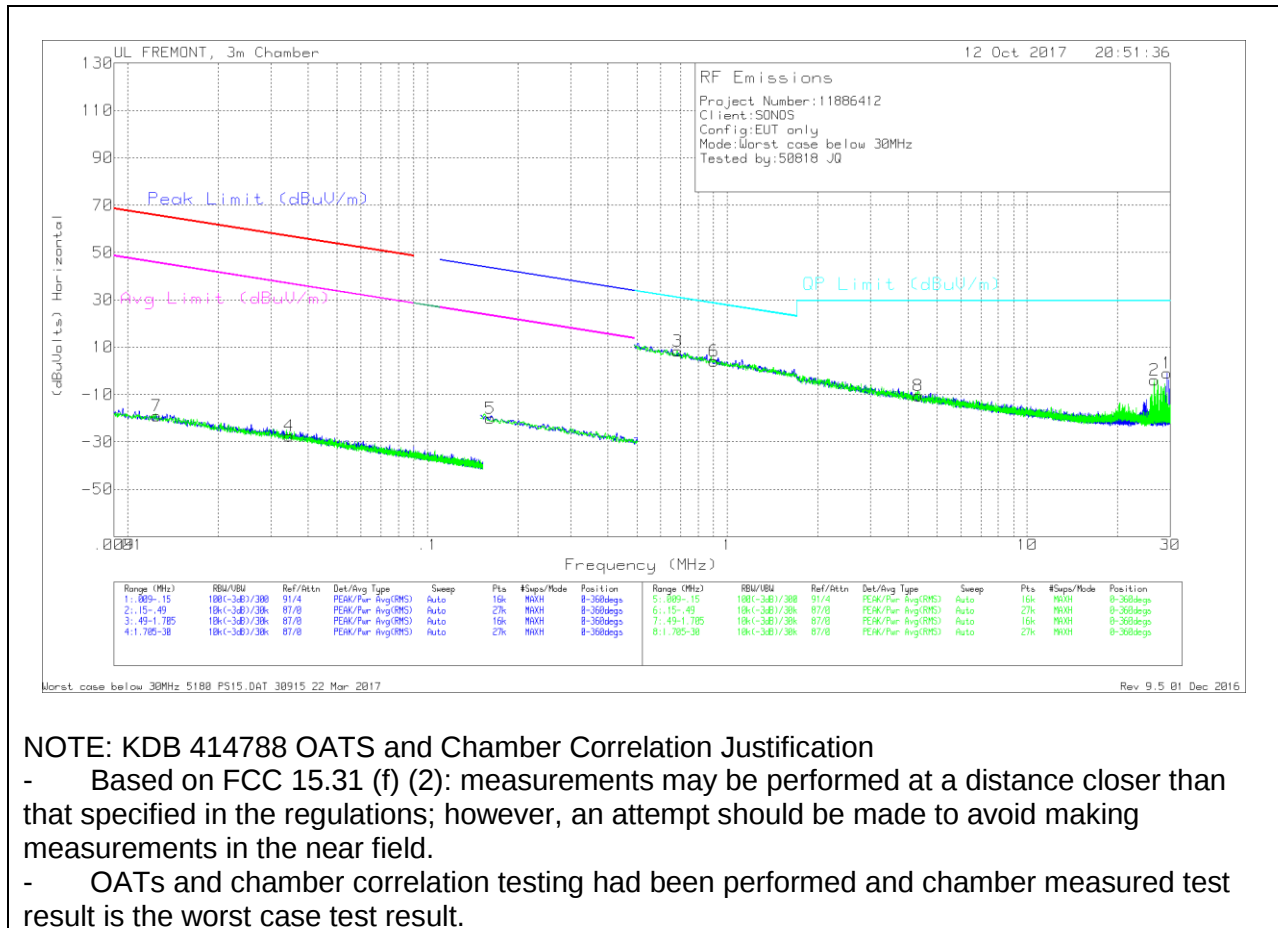


26 – 40GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	DC Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	29.69	40.18	Pk	36	-31	-9.5	0	35.68	54	-18.32	74	-38.32
2	32.718	41.25	Pk	36.5	-32.1	-9.5	0	36.15	54	-17.85	74	-37.85
3	36.351	43.99	Pk	37.2	-31	-9.5	0	40.69	54	-13.31	74	-33.31
4	39.283	42.58	Pk	38.4	-30.6	-9.5	0	40.88	54	-13.12	74	-33.12
5	30.701	41.37	Pk	36.1	-31.5	-9.5	0	36.47	54	-17.53	74	-37.53
6	34.941	42.32	Pk	37.2	-31.5	-9.5	0	38.52	54	-15.48	74	-35.48

Pk - Peak detector

7.5. Worst Case 9 kHz - 30 MHz



9 KHz – 30 MHz DATA

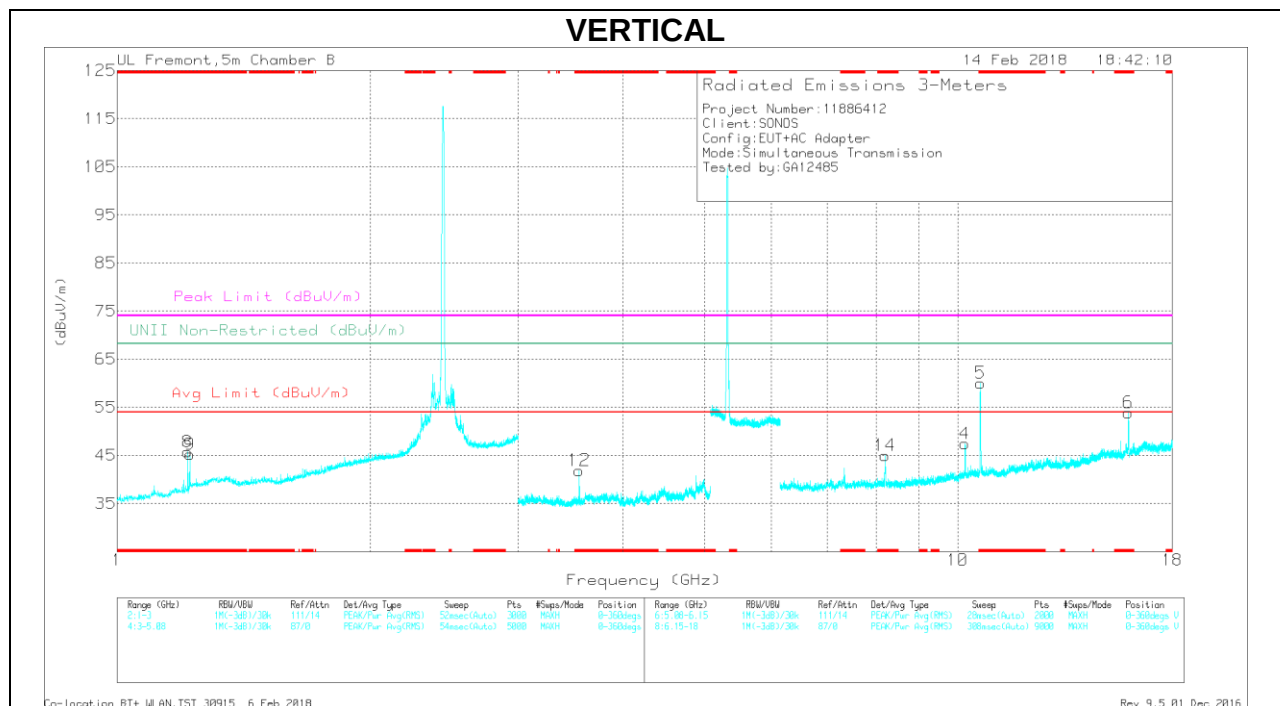
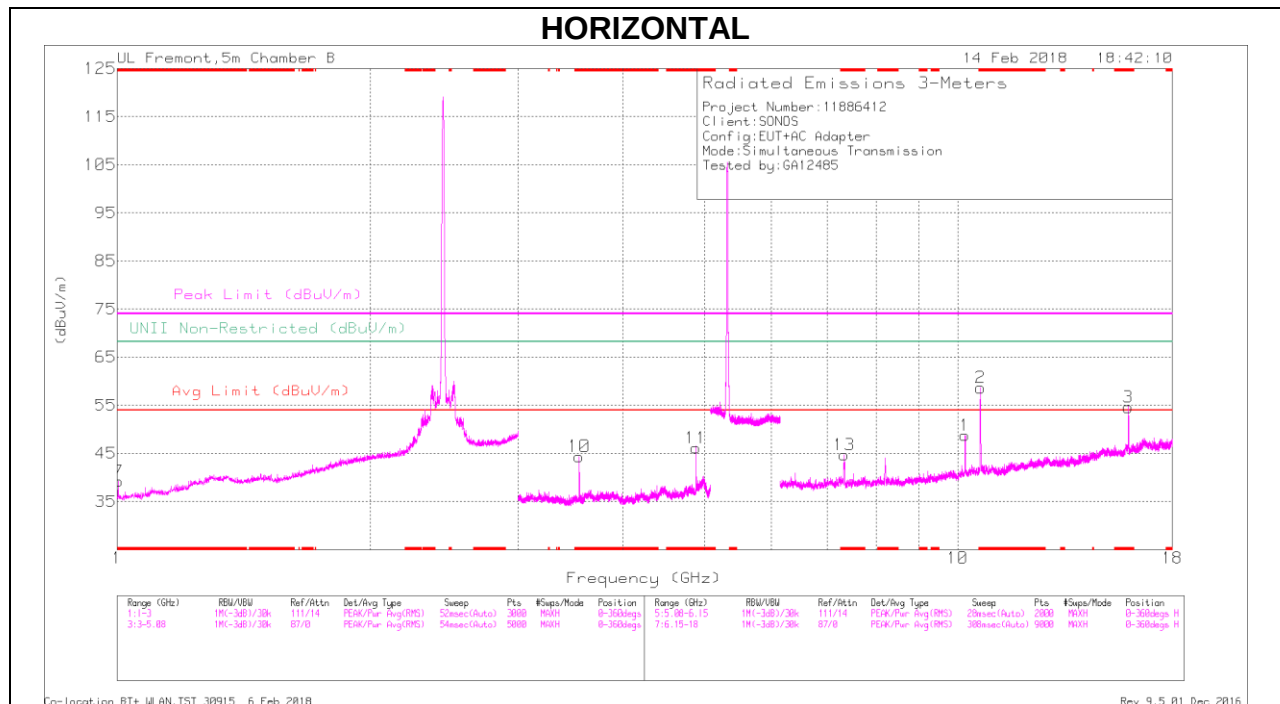
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
7	.01246	41.99	Pk	17.5	1.4	-80	-19.11	65.67	-84.78	45.67	-64.78	-	-	-	-	0-360
4	.03464	37.8	Pk	13.3	1.4	-80	-27.5	56.79	-84.29	36.79	-64.29	-	-	-	-	0-360
5	.1616	46.7	Pk	11.6	1.5	-80	-20.2	-	-	-	-	43.45	-63.65	23.45	-43.65	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cbl (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.68053	35.27	Pk	11.6	1.5	-40	8.57	30.96	-22.59	0-360
6	.90192	30.94	Pk	11.6	1.5	-40	4.04	28.52	-24.48	0-360
8	4.33338	16.61	Pk	11.4	1.5	-40	-10.49	29.5	-39.99	0-360
2	26.60862	25.52	Pk	8.8	1.7	-40	-3.88	29.5	-33.48	0-360
1	29.2695	28.67	Pk	8.6	1.7	-40	-1.03	29.5	-30.53	0-360

Pk - Peak detector

7.6. WORST-CASE SIMULTANEOUS TRANSMISSION



SIMULTANEOUS TRANSMISSION DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/CbI/Ftr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7	* 1.002	39.72	PK2	27.5	-23.7	0	43.52	-	-	74	-30.48	-	-	24	340	H
	* 1.004	27.67	MAv1	27.5	-23.6	.56	32.13	54	-21.87	-	-	-	-	24	340	H
8	* 1.211	39.51	PK2	28.2	-22.8	0	44.91	-	-	74	-29.09	-	-	179	342	H
	* 1.214	27.59	MAv1	28.2	-22.9	.56	33.45	54	-20.55	-	-	-	-	179	342	H
9	* 1.222	39.69	PK2	28.3	-22.2	0	45.79	-	-	74	-28.21	-	-	22	378	H
	* 1.223	27.75	MAv1	28.3	-22.2	.56	34.41	54	-19.59	-	-	-	-	22	378	H
10	* 3.547	47.91	PK2	33	-31.7	0	49.21	-	-	74	-24.79	-	-	135	320	H
	* 3.547	41.5	MAv1	33	-31.7	.56	43.36	54	-10.64	-	-	-	-	135	320	H
11	* 4.884	47.31	PK2	34.4	-31.3	0	50.41	-	-	74	-23.59	-	-	162	254	H
	* 4.884	40.18	MAv1	34.4	-31.3	.56	43.84	54	-10.16	-	-	-	-	162	254	H
12	* 3.546	47.27	PK2	33	-31.7	0	48.57	-	-	74	-25.43	-	-	283	191	H
	* 3.547	40.12	MAv1	33	-31.7	.56	41.98	54	-12.02	-	-	-	-	283	191	H
2	* 10.64	51.07	PK-U	37.6	-24.1	0	64.57	-	-	74	-9.43	-	-	118	400	H
	* 10.64	39.93	ADR	37.6	-24.1	.56	53.99	54	-0.01	-	-	-	-	118	400	H
3	* 15.96	46.55	PK-U	41.1	-22	0	65.65	-	-	74	-8.35	-	-	135	168	H
	* 15.96	32.78	ADR	41.1	-22	.56	52.44	54	-1.56	-	-	-	-	135	168	H
13	* 7.326	44.1	PK2	35.9	-28.1	0	51.9	-	-	74	-22.1	-	-	281	385	H
	* 7.327	30.06	MAv1	35.9	-28.1	.56	38.42	54	-15.58	-	-	-	-	281	385	H
5	* 10.64	51.36	PK-U	37.6	-24.1	0	64.86	-	-	74	-9.14	-	-	118	399	H
	* 10.64	40.35	ADR	37.6	-24.1	.56	53.41	54	-0.59	-	-	-	-	118	399	H
6	* 15.96	45.74	PK-U	41.1	-22	0	64.84	-	-	74	-9.16	-	-	131	102	H
	* 15.959	31.29	ADR	41.1	-22	.56	50.95	54	-3.05	-	-	-	-	131	102	H
14	* 8.196	42.68	PK2	36	-27.9	0	50.78	-	-	74	-23.22	-	-	330	233	H
	* 8.196	28.77	MAv1	36	-27.9	.56	37.43	54	-16.57	-	-	-	-	330	233	H
1	10.203	47.4	PK-U	37.4	-25.5	0	59.3	-	-	74	-14.7	68.2	-8.9	128	198	H
4	10.203	48.66	PK-U	37.4	-25.5	0	60.56	-	-	74	-13.44	68.2	-7.64	124	201	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAV1 - KDB558074 Option 1 Maximum RMS Average
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

8. ART POWER SETTINGS TABLE FOR CONDUCTED AND RADIATED MEASUREMENTS

8.1. CONDUCTED OUTPUT POWER SETTING FOR 4x4:

ART POWER SETTINGS								
Band	Mode	Channel	Frequency (MHz)	Power Setting	Chain 0 Output Power (dBm)	Chain 1 Output Power (dBm)	Chain 2 Output Power (dBm)	Chain 3 Output Power (dBm)
5.2	11n HT20	36	5180	13	13.58	13.41	14.04	13.81
		40	5200	13	13.42	13.32	13.95	13.66
		48	5240	13	13.14	13.33	14.1	13.23
5.3	11n HT20	52	5260	13	13.15	13.41	14.37	13.24
		60	5300	13	12.85	13.11	14.00	13.06
		64	5320	12	11.12	11.59	11.41	11.02
5.6	11n HT20	100	5500	13	12.94	12.84	13.42	12.83
		116	5580	13	13.45	12.98	13.86	13.22
		140	5700	13	13.01	12.43	13.08	13.15
5.8	11n HT20	149	5745	15	15.23	15.11	15.34	15.23
		157	5785	15	15.25	15	15.14	15.23
		165	5825	15	15.92	14.44	15.17	15.23

Note: ART power settings in the report per client requested are for future reference.

8.2. RADIATED BANDEDGE POWER SETTING FOR 4x4:

Channel	Frequency (MHz)	11n-HT20	11n-HT20
		FCC Radiated BE Power Setting	IC Radiated BE Power Setting
5150 - 5350MHz			
36	5180	15.00	15.00
64	5320	15.00	15.00
5470 - 5725MHz			
100	5500	15.00	15.00
140	5700	14.00	14.00
5725 - 5850MHz			
149	5745	15.00	15.00
165	5825	15.00	15.00

Note: ART power settings in the report per client requested are for future reference.

9. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	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

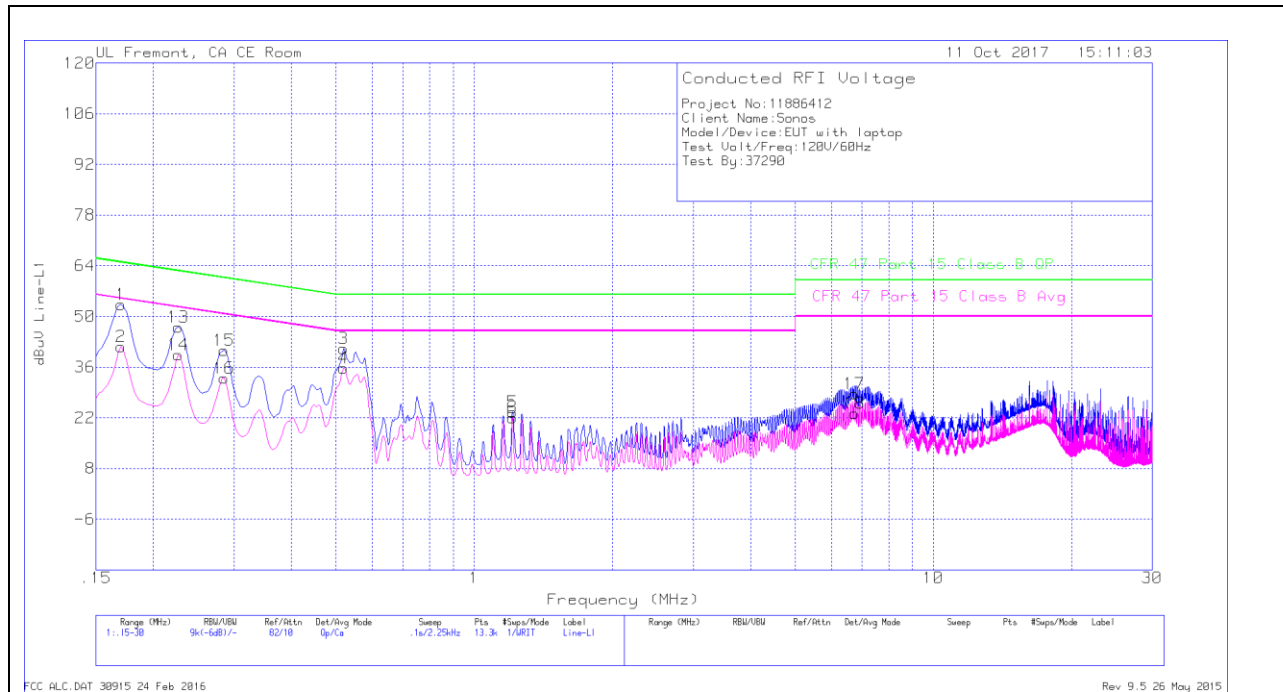
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

LINE 1 RESULTS

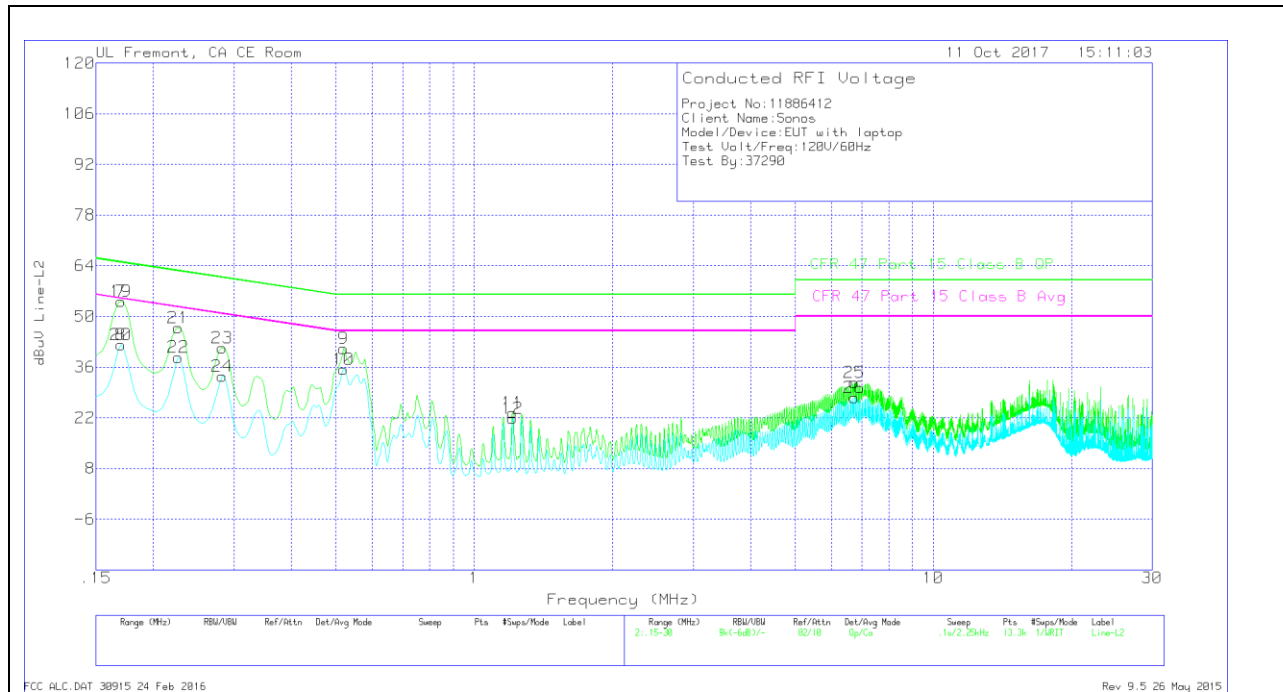


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.17025	43.23	Qp	0	0	10.1	53.33	64.95	-11.62	-	-
2	.17025	31.56	Ca	0	0	10.1	41.66	-	-	54.95	-13.29
3	.519	31.09	Qp	0	0	10.1	41.19	56	-14.81	-	-
4	.519	25.63	Ca	0	0	10.1	35.73	-	-	46	-10.27
5	1.212	13.41	Qp	0	.1	10.1	23.61	56	-32.39	-	-
6	1.212	11.9	Ca	0	.1	10.1	22.1	-	-	46	-23.9
13	.2265	36.88	Qp	0	0	10.1	46.98	62.58	-15.6	-	-
14	.2265	29.3	Ca	0	0	10.1	39.4	-	-	52.58	-13.18
15	.285	30.5	Qp	0	0	10.1	40.6	60.67	-20.07	-	-
16	.285	22.88	Ca	0	0	10.1	32.98	-	-	50.67	-17.69
17	6.74025	18.29	Qp	0	.2	10.2	28.69	60	-31.31	-	-
18	6.74025	12.88	Ca	0	.2	10.2	23.28	-	-	50	-26.72

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)
7	.17025	44.11	Qp	0	0	10.1	54.21	64.95	-10.74	-	-
8	.17025	32.13	Ca	0	0	10.1	42.23	-	-	54.95	-12.72
9	.519	31.03	Qp	0	0	10.1	41.13	56	-14.87	-	-
10	.519	25.36	Ca	0	0	10.1	35.46	-	-	46	-10.54
11	1.212	13.25	Qp	0	.1	10.1	23.45	56	-32.55	-	-
12	1.212	11.63	Ca	0	.1	10.1	21.83	-	-	46	-24.17
19	.17025	44.11	Qp	0	0	10.1	54.21	64.95	-10.74	-	-
20	.17025	32.13	Ca	0	0	10.1	42.23	-	-	54.95	-12.72
21	.2265	36.82	Qp	0	0	10.1	46.92	62.58	-15.66	-	-
22	.2265	28.68	Ca	0	0	10.1	38.78	-	-	52.58	-13.8
23	.28275	31.21	Qp	0	0	10.1	41.31	60.73	-19.42	-	-
24	.28275	23.39	Ca	0	0	10.1	33.49	-	-	50.73	-17.24
25	6.729	21.33	Qp	0	.2	10.2	31.73	60	-28.27	-	-
26	6.729	17.12	Ca	0	.2	10.2	27.52	-	-	50	-22.48

Qp - Quasi-Peak detector

Ca - CISPR average detection