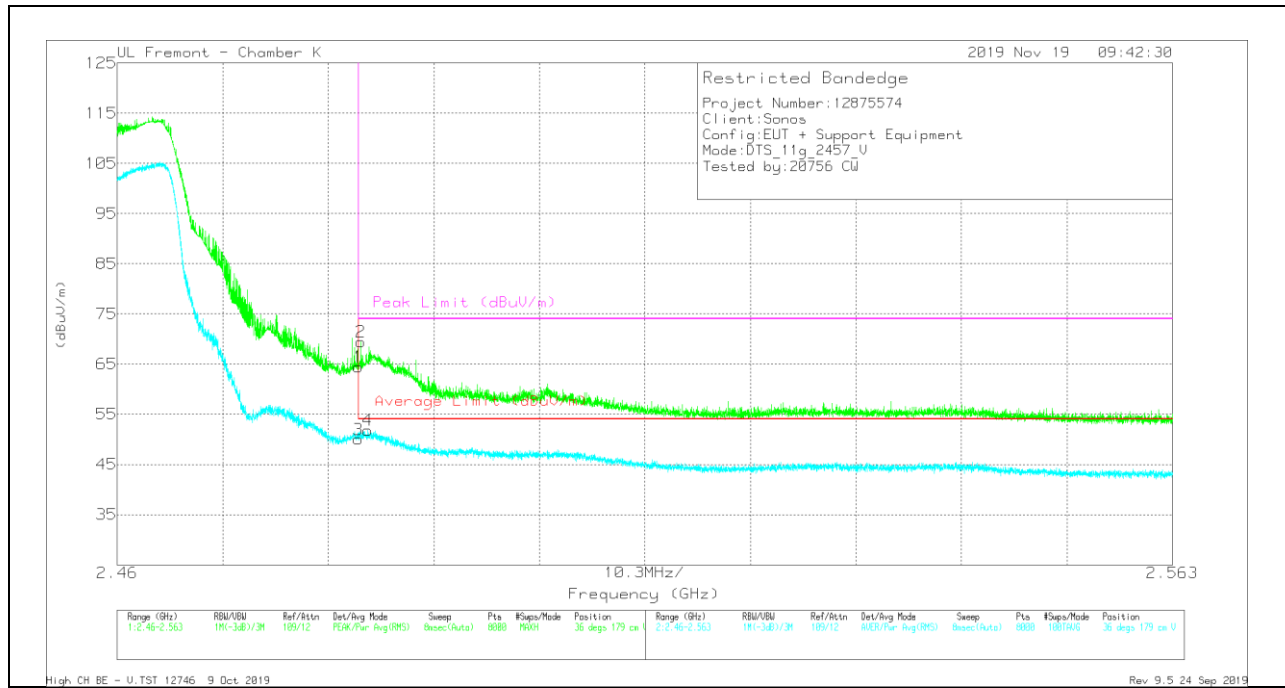


VERTICAL RESULT

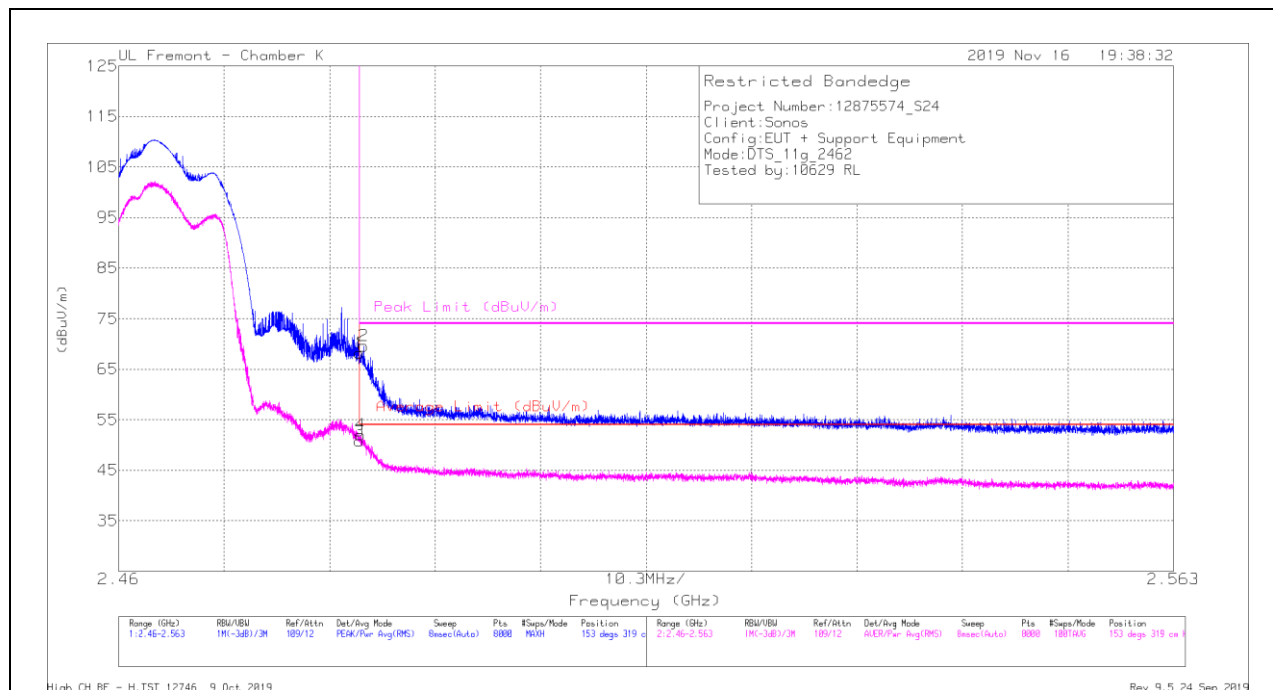


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	46	Pk	32.5	-14.1	64.4	-	-	74	-9.6	36	179	V
2	* 2.4838	51.01	Pk	32.5	-14.1	69.41	-	-	74	-4.59	36	179	V
3	* 2.4835	31.51	RMS	32.5	-14.1	49.91	54	-4.09	-	-	36	179	V
4	* 2.48447	33.21	RMS	32.5	-14	51.71	54	-2.29	-	-	36	179	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



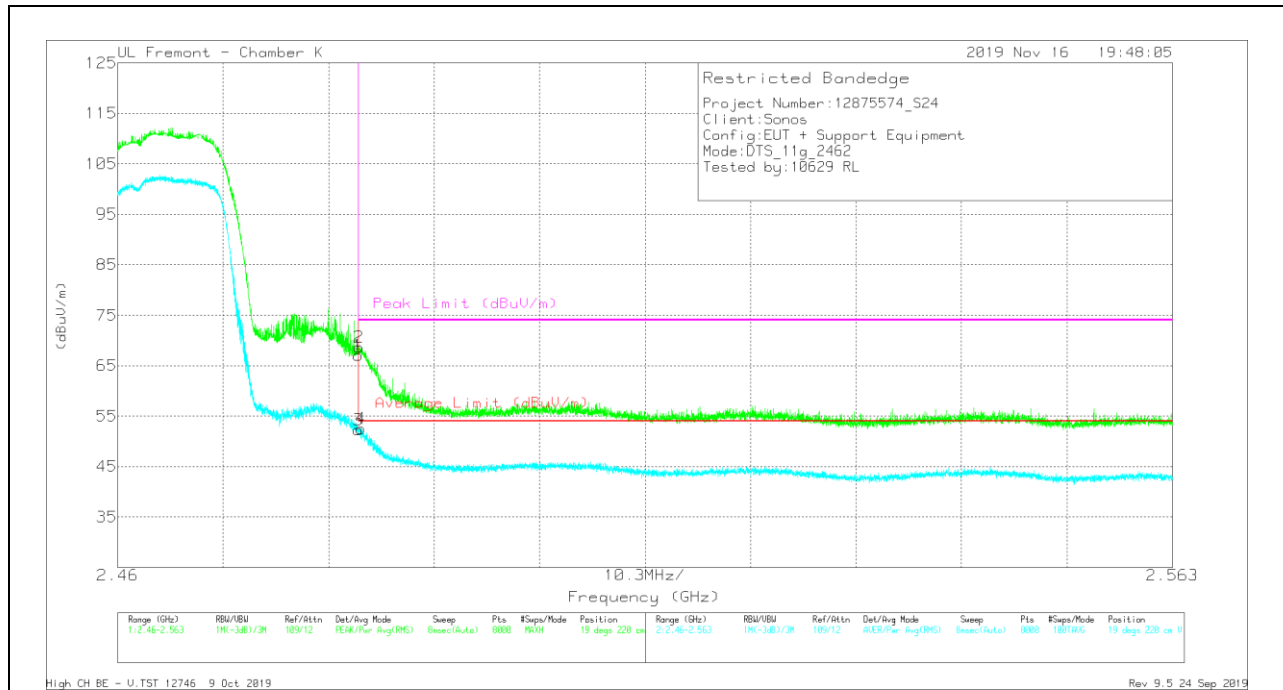
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Ampl/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	49.77	Pk	32.5	-14.1	68.17	-	-	74	-5.83	153	319	H
2	* 2.48393	51.2	Pk	32.5	-14.1	69.6	-	-	74	-4.4	153	319	H
3	* 2.4835	32.44	RMS	32.5	-14.1	50.84	54	-3.16	-	-	153	319	H
4	* 2.48362	33.64	RMS	32.5	-14.1	52.04	54	-1.96	-	-	153	319	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 (dB/m)	Amp/Cbl/Filtr/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	* 2.4835	48.63	Pk	32.5	-14.1	67.03	-	-	74	-6.97	19	220	V
2	* 2.48355	50.27	Pk	32.5	-14.1	68.67	-	-	74	-5.33	19	220	V
3	* 2.4835	33.85	RMS	32.5	-14.1	52.25	54	-1.75	-	-	19	220	V
4	* 2.48375	34.13	RMS	32.5	-14.1	52.53	54	-1.47	-	-	19	220	V

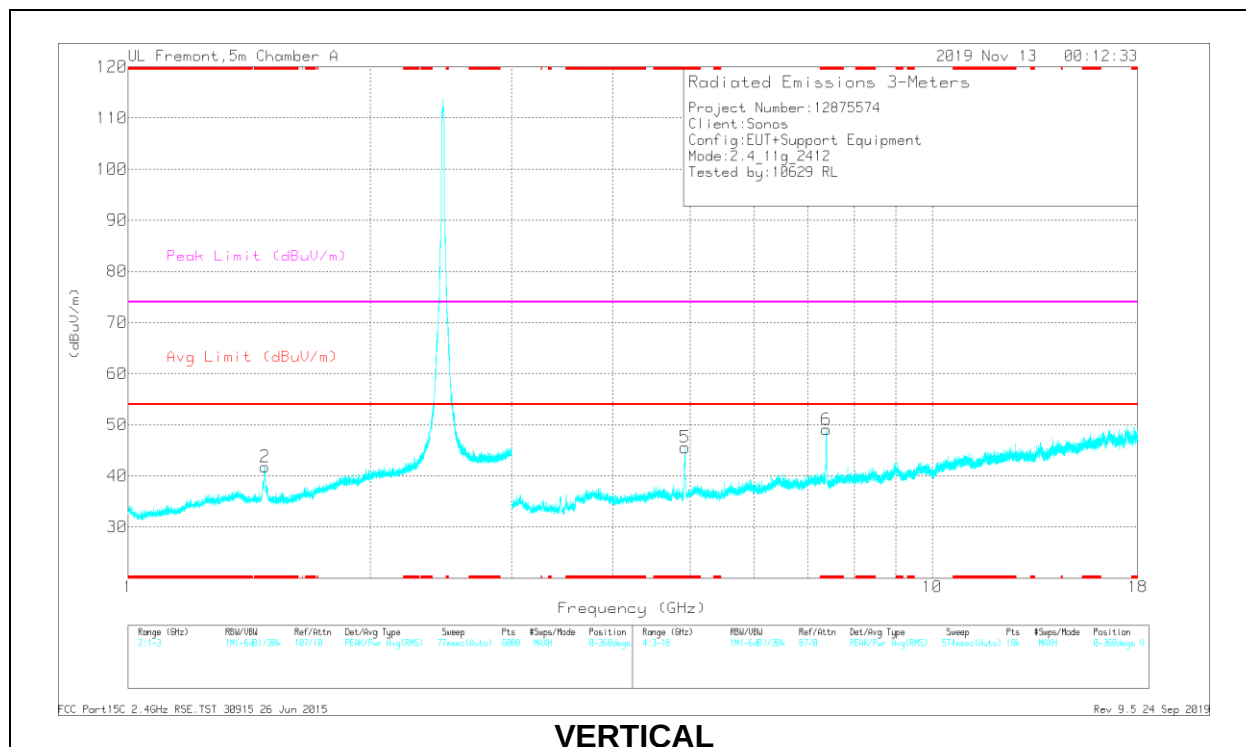
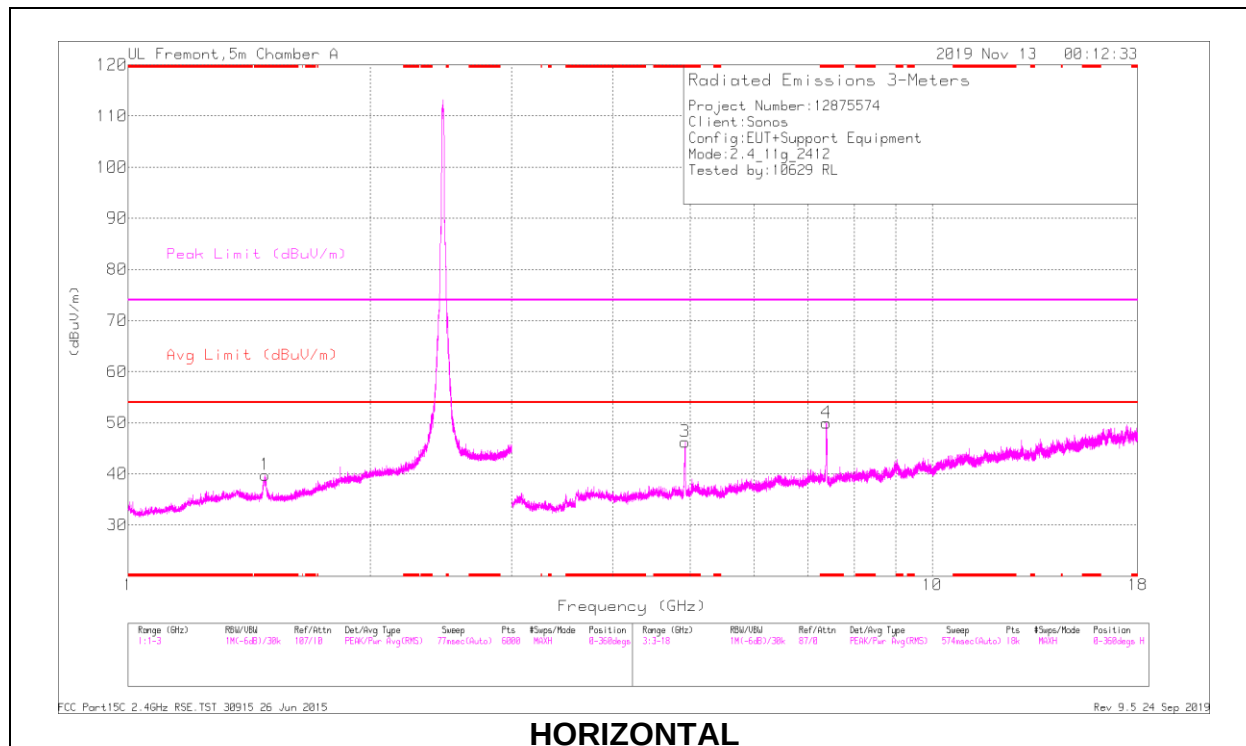
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

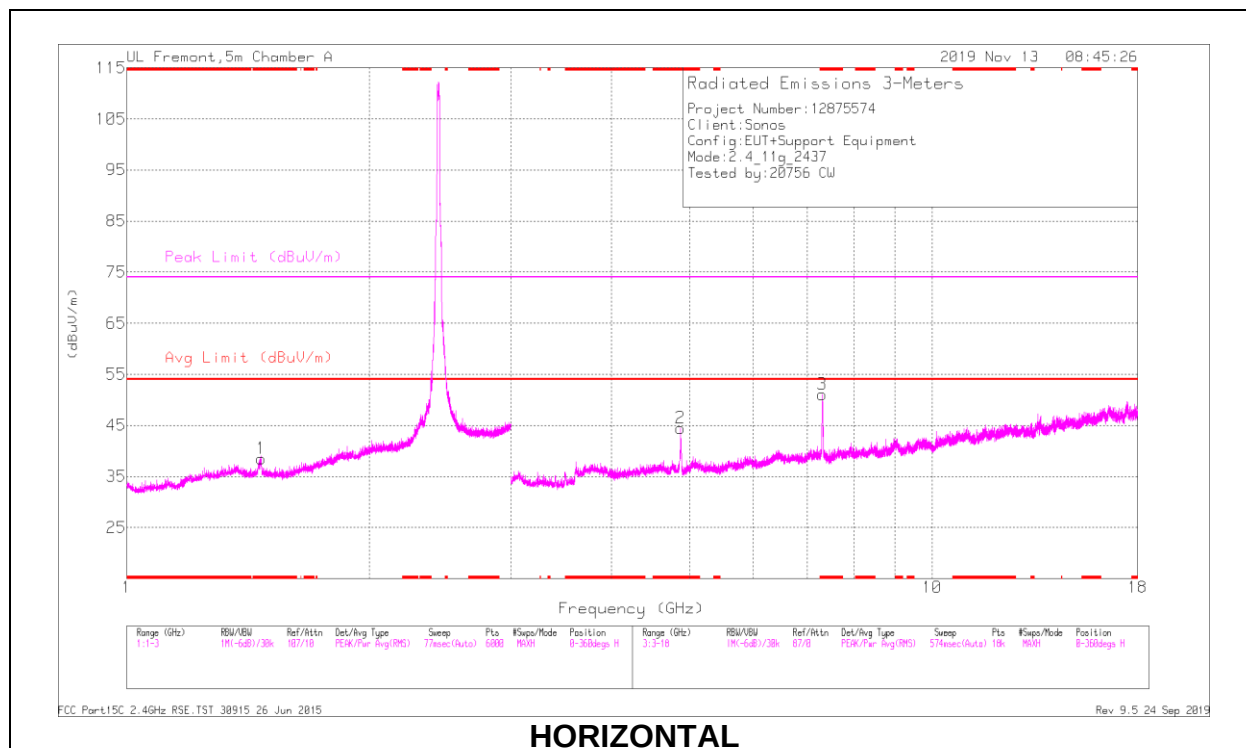
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.48371	37.69	PK2	28.4	-21.3	44.79	-	-	74	-29.21	173	212	H
* 1.48368	27.09	MAV1	28.4	-21.3	34.19	54	-19.81	-	-	173	212	H
* 1.47839	42.49	PK2	28.4	-21.2	49.69	-	-	74	-24.31	204	159	V
* 1.47877	30.3	MAV1	28.4	-21.2	37.5	54	-16.5	-	-	204	159	V
* 4.92152	47.7	PK2	34.2	-29.1	52.8	-	-	74	-21.2	52	128	H
* 4.92212	34.29	MAV1	34.2	-29.1	39.39	54	-14.61	-	-	52	128	H
* 7.38345	47.46	PK2	35.8	-23.8	59.46	-	-	74	-14.54	269	211	H
* 7.38517	35.76	MAV1	35.8	-23.8	47.76	54	-6.24	-	-	269	211	H
* 4.92606	50.87	PK2	34.2	-29.1	55.97	-	-	74	-18.03	254	101	V
* 4.92407	37.66	MAV1	34.2	-29.1	42.76	54	-11.24	-	-	254	101	V
* 7.38725	45.65	PK2	35.7	-23.9	57.45	-	-	74	-16.55	50	196	V
* 7.38813	34.23	MAV1	35.7	-23.9	46.03	54	-7.97	-	-	50	196	V

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

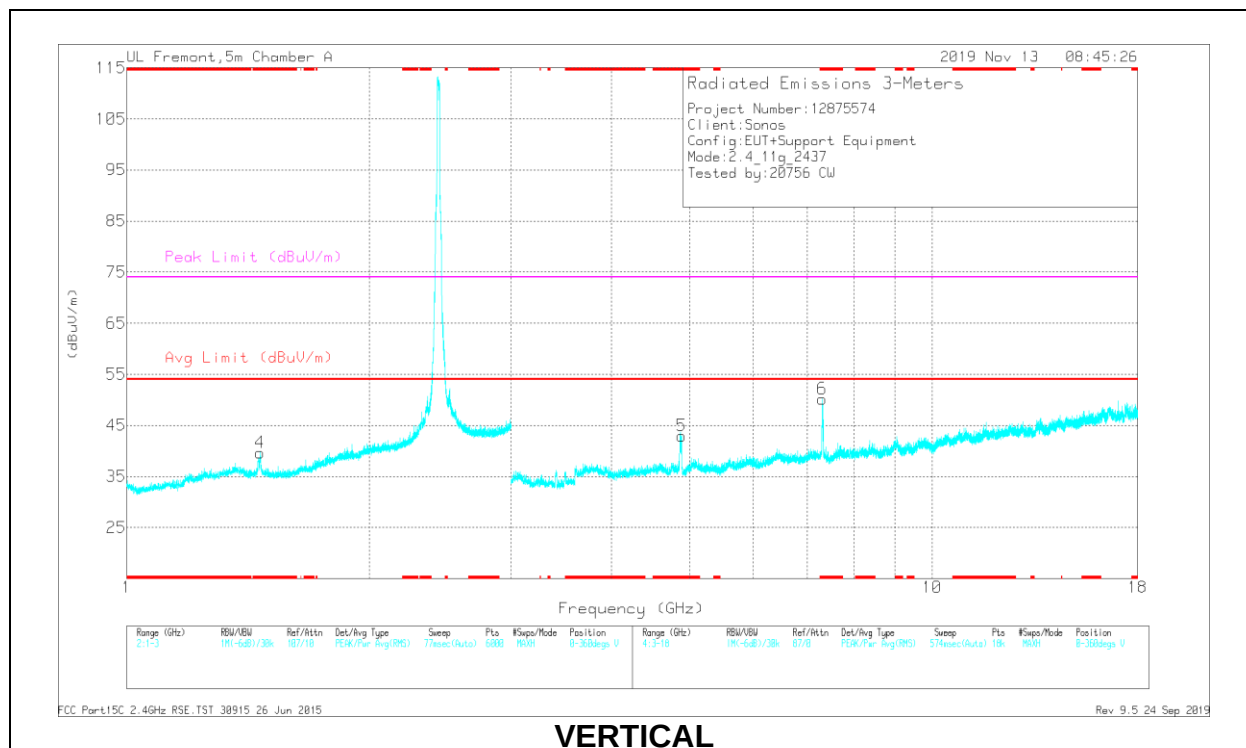
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

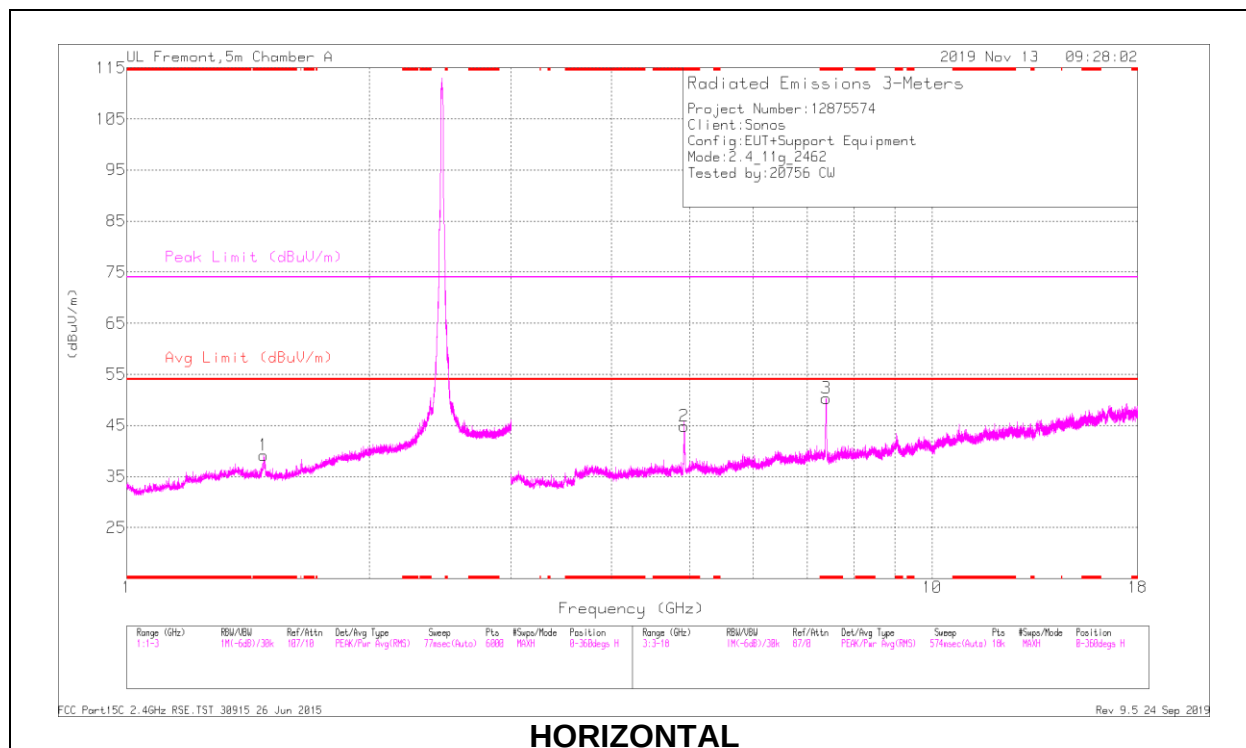
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.46896	39.29	PK2	28.4	-21.2	46.49	-	-	74	-27.51	190	127	H
	* 1.46889	28.07	MAv1	28.4	-21.2	35.27	54	-18.73	-	-	190	127	H
4	* 1.4631	38.22	PK2	28.4	-21.3	45.32	-	-	74	-28.68	246	131	V
	* 1.46312	26.91	MAv1	28.4	-21.3	34.01	54	-19.99	-	-	246	131	V
2	* 4.87228	45.64	PK2	34.1	-28.6	51.14	-	-	74	-22.86	13	157	H
	* 4.87232	34.07	MAv1	34.1	-28.6	39.57	54	-14.43	-	-	13	157	H
3	* 7.30689	46.02	PK2	35.8	-23.4	58.42	-	-	74	-15.58	350	112	H
	* 7.30701	34.06	MAv1	35.8	-23.4	46.46	54	-7.54	-	-	350	112	H
5	* 4.88439	45.94	PK2	34.1	-28.8	51.24	-	-	74	-22.76	272	120	V
	* 4.88227	32.88	MAv1	34.1	-28.8	38.18	54	-15.82	-	-	272	120	V
6	* 7.3084	44.69	PK2	35.8	-23.4	57.09	-	-	74	-16.91	344	197	V
	* 7.31023	32.92	MAv1	35.8	-23.4	45.32	54	-8.68	-	-	344	197	V

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

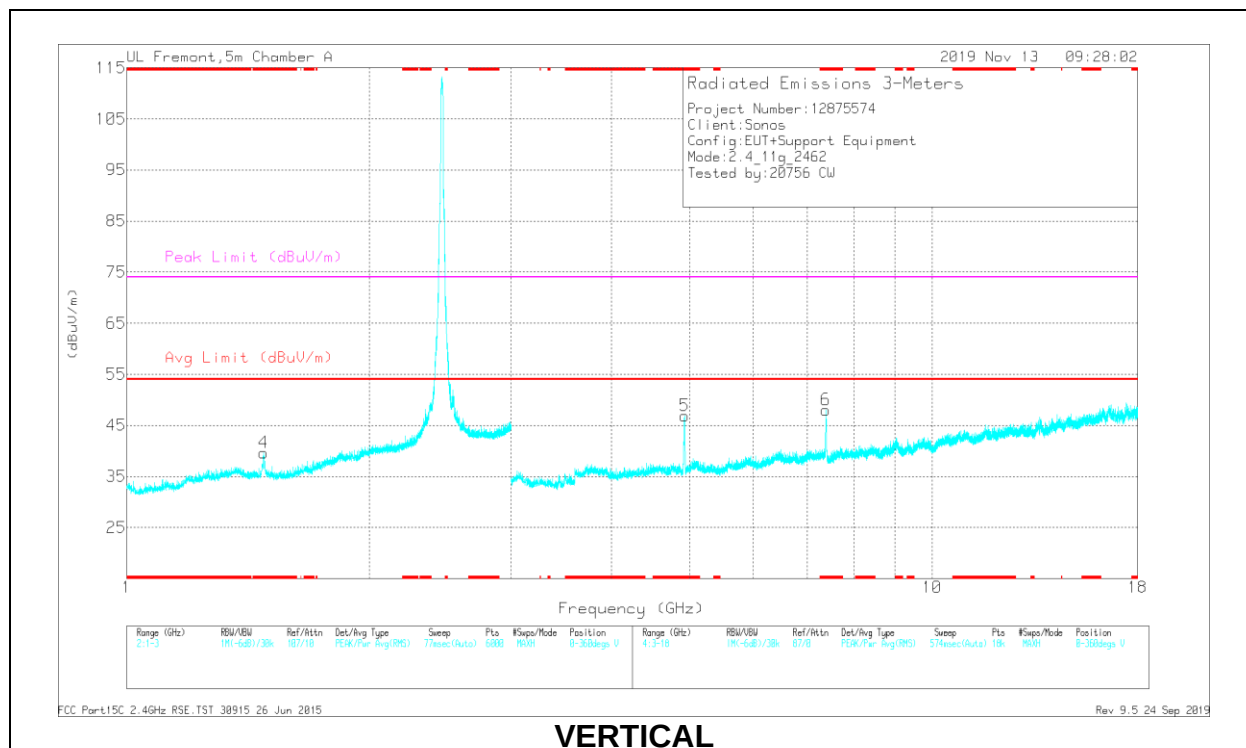
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.48007	38.29	PK2	28.4	-21.3	45.39	-	-	74	-28.61	221	119	H
	* 1.47838	27.23	MAv1	28.4	-21.2	34.43	54	-19.57	-	-	221	119	H
4	* 1.47825	39.1	PK2	28.4	-21.2	46.3	-	-	74	-27.7	194	154	V
	* 1.47882	27.87	MAv1	28.4	-21.2	35.07	54	-18.93	-	-	194	154	V
2	* 4.92293	47.84	PK2	34.2	-29.1	52.94	-	-	74	-21.06	216	213	H
	* 4.92247	35.97	MAv1	34.2	-29.1	41.07	54	-12.93	-	-	216	213	H
3	* 7.38824	46.51	PK2	35.7	-23.9	58.31	-	-	74	-15.69	228	146	H
	* 7.38798	34.25	MAv1	35.7	-23.9	46.05	54	-7.95	-	-	228	146	H
5	* 4.92594	50.71	PK2	34.2	-29.1	55.81	-	-	74	-18.19	249	101	V
	* 4.92598	36.7	MAv1	34.2	-29.1	41.8	54	-12.2	-	-	249	101	V
6	* 7.38292	44.75	PK2	35.8	-23.8	56.75	-	-	74	-17.25	24	195	V
	* 7.38334	32.5	MAv1	35.8	-23.8	44.5	54	-9.5	-	-	24	195	V

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

PK2 - KDB558074 Method: Maximum Peak

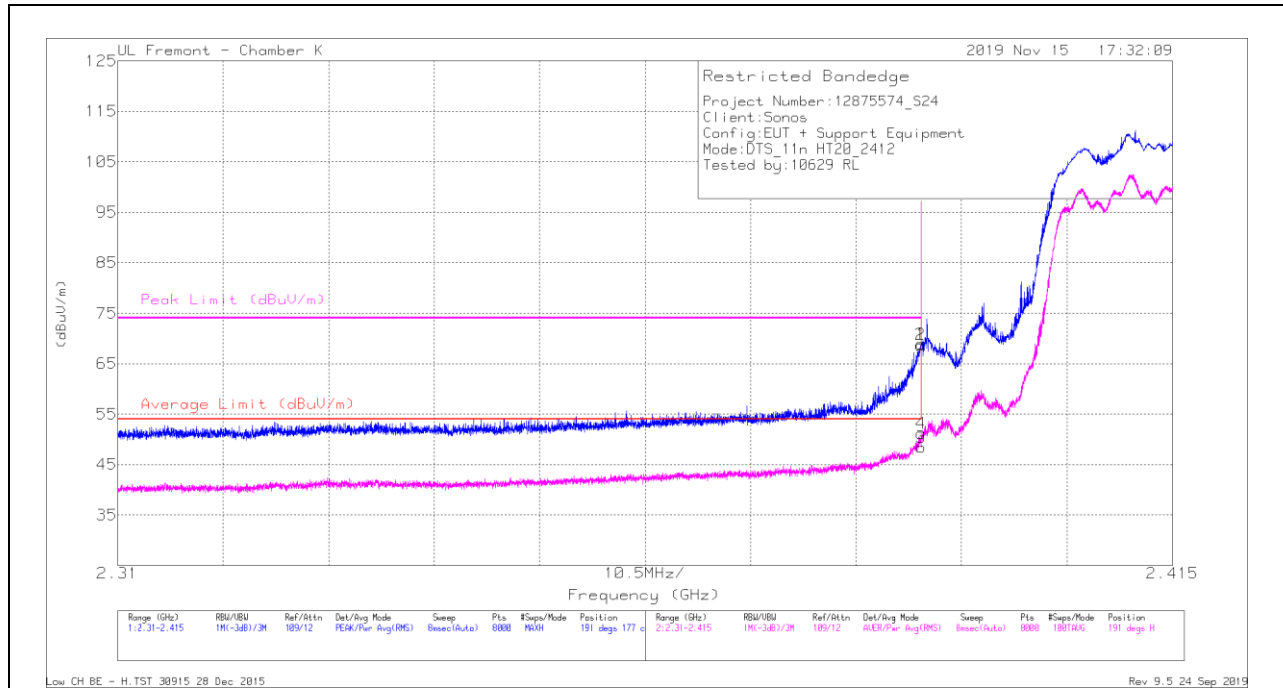
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

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

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



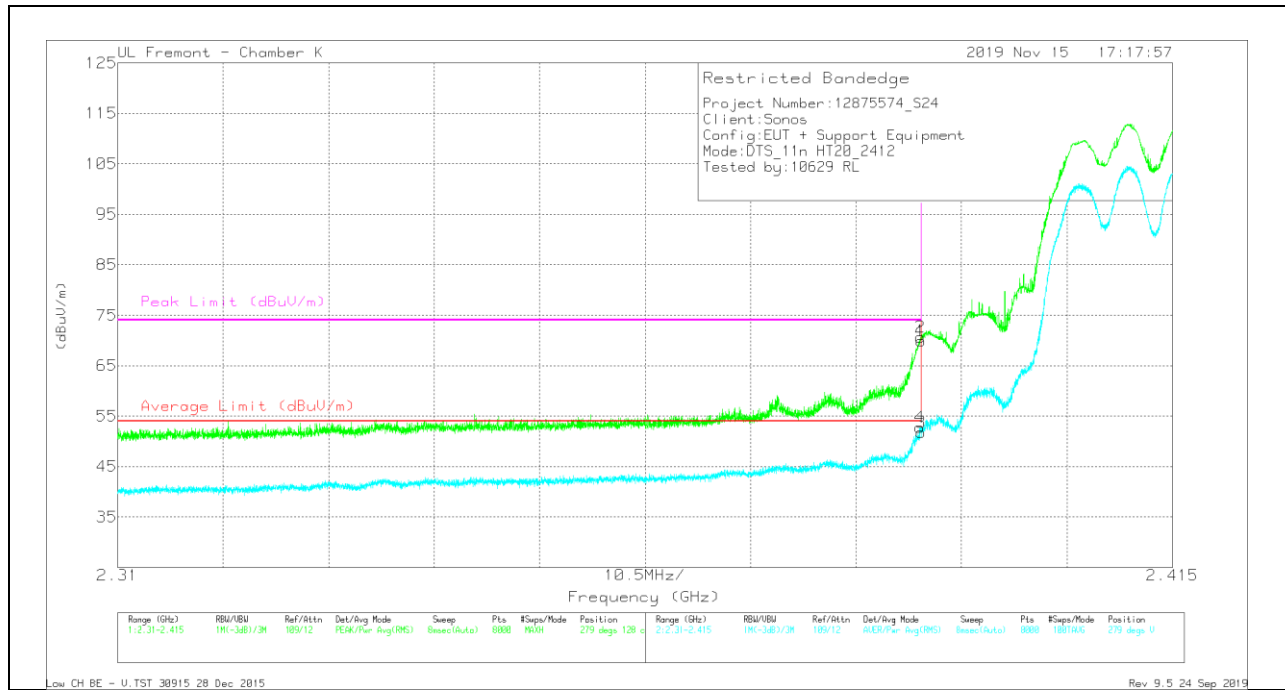
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.07	Pk	31.9	-14.1	0	68.87	-	-	74	-5.13	191	177	H
2	* 2.3899	50.93	Pk	31.9	-14.1	0	68.73	-	-	74	-5.27	191	177	H
3	* 2.39	30.59	RMS	31.9	-14.1	.09	48.48	54	-5.52	-	-	191	177	H
4	* 2.38998	33.29	RMS	31.9	-14.1	.09	51.18	54	-2.82	-	-	191	177	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/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
1	* 2.39	52.14	Pk	31.9	-14.1	0	69.94	-	-	74	-4.06	279	128	V
2	* 2.38993	52.82	Pk	31.9	-14.1	0	70.62	-	-	74	-3.38	279	128	V
3	* 2.39	33.91	RMS	31.9	-14.1	.09	51.8	54	-2.2	-	-	279	128	V
4	* 2.38983	34.94	RMS	31.9	-14.1	.09	52.83	54	-1.17	-	-	279	128	V

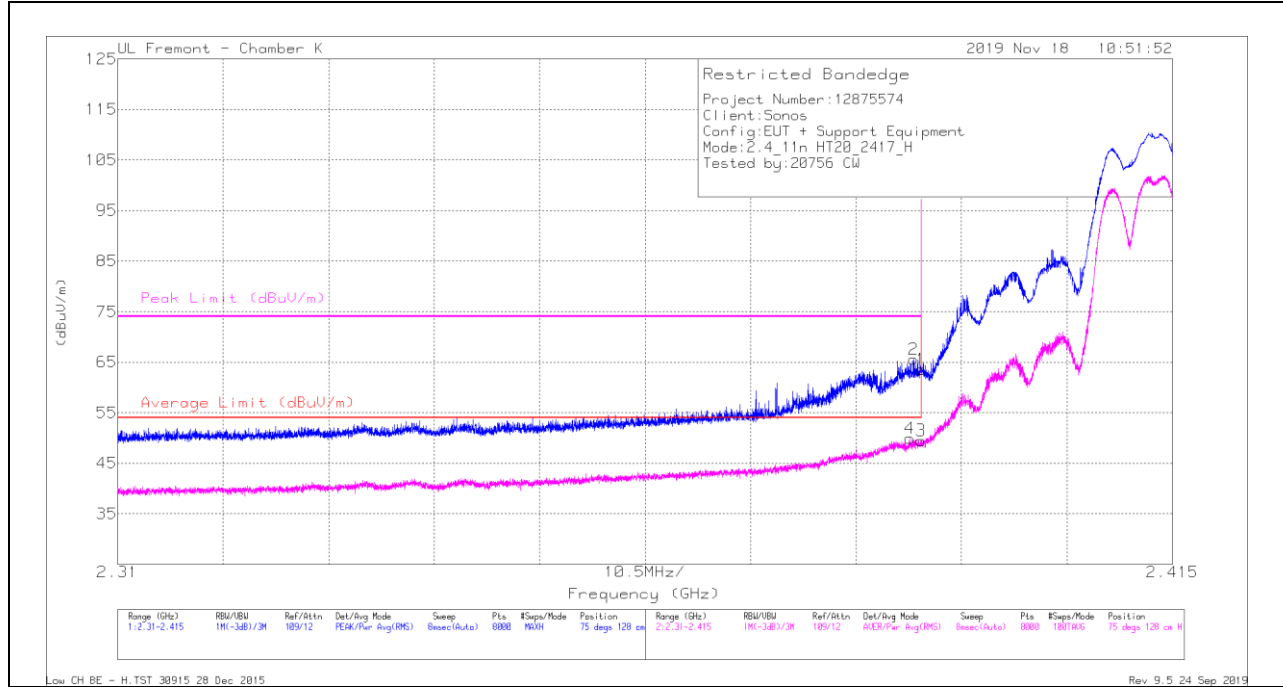
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT



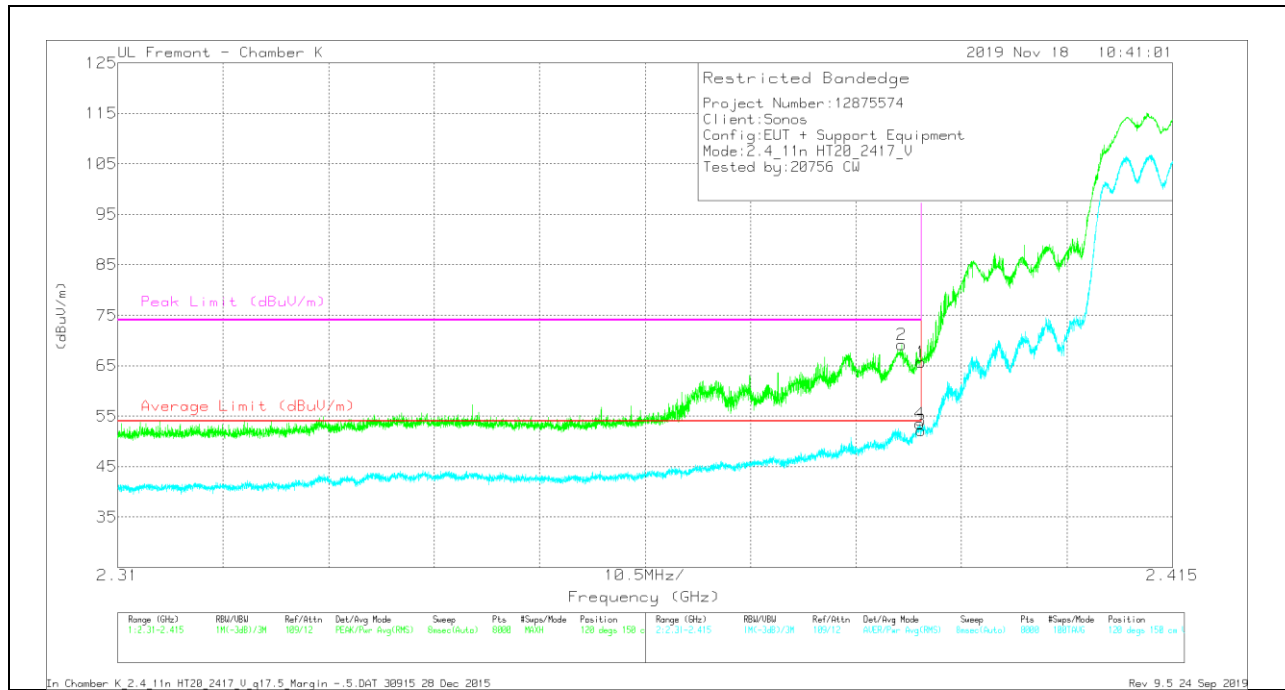
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp/Cbl/F Itt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.83	Pk	31.9	-14.1	0	63.63	-	-	74	-10.37	75	128	H
2	* 2.38921	47.8	Pk	31.9	-14.1	0	65.6	-	-	74	-8.4	75	128	H
3	* 2.39	31.59	RMS	31.9	-14.1	.09	49.48	54	-4.52	-	-	75	128	H
4	* 2.38884	32.03	RMS	31.9	-14.1	.09	49.92	54	-4.08	-	-	75	128	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/Cbl/F ltr/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	* 2.39	47.9	Pk	31.9	-14.1	0	65.7	-	-	74	-8.3	120	150	V
2	* 2.38807	51.51	Pk	31.9	-14.2	0	69.21	-	-	74	-4.79	120	150	V
3	* 2.39	34.22	RMS	31.9	-14.1	.09	52.11	54	-1.89	-	-	120	150	V
4	* 2.38985	35.61	RMS	31.9	-14.1	.09	53.5	54	-.5	-	-	120	150	V

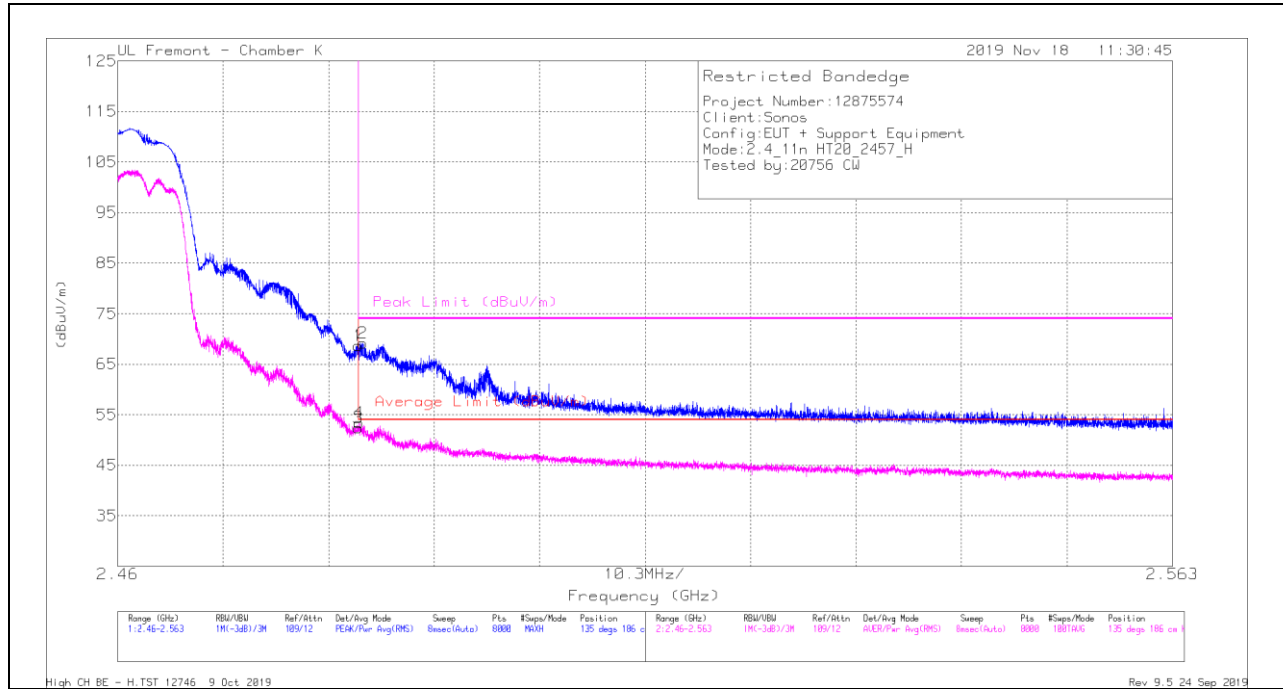
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



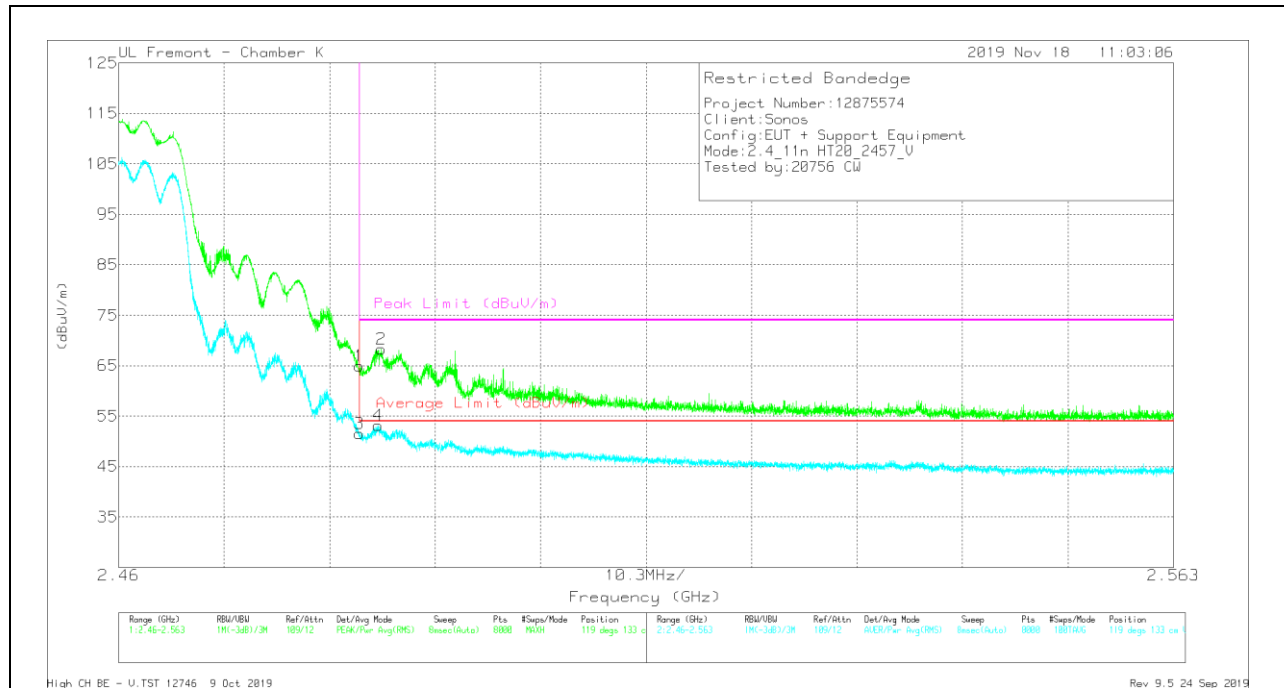
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp/Cbl/F Itt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	50.32	Pk	32.5	-14.1	0	68.72	-	-	74	-5.28	135	186	H
2	* 2.48391	50.81	Pk	32.5	-14.1	0	69.21	-	-	74	-4.79	135	186	H
3	* 2.4835	33.96	RMS	32.5	-14.1	.09	52.45	54	-1.55	-	-	135	186	H
4	* 2.48355	34.87	RMS	32.5	-14.1	.09	53.36	54	-.64	-	-	135	186	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/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
1	* 2.4835	46.5	Pk	32.5	-14.1	0	64.9	-	-	74	-9.1	119	133	V
2	* 2.48566	49.74	Pk	32.5	-14	0	68.24	-	-	74	-5.76	119	133	V
3	* 2.4835	33.08	RMS	32.5	-14.1	.09	51.57	54	-2.43	-	-	119	133	V
4	* 2.48535	34.54	RMS	32.5	-14	.09	53.13	54	-.87	-	-	119	133	V

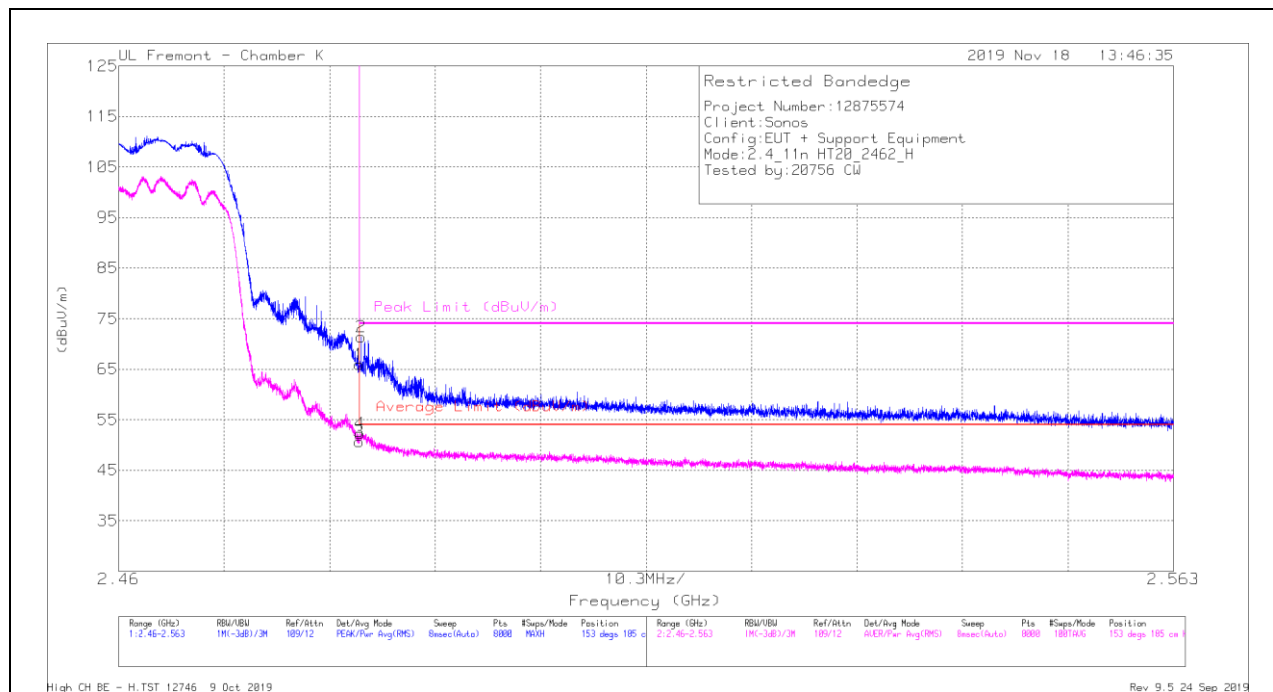
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



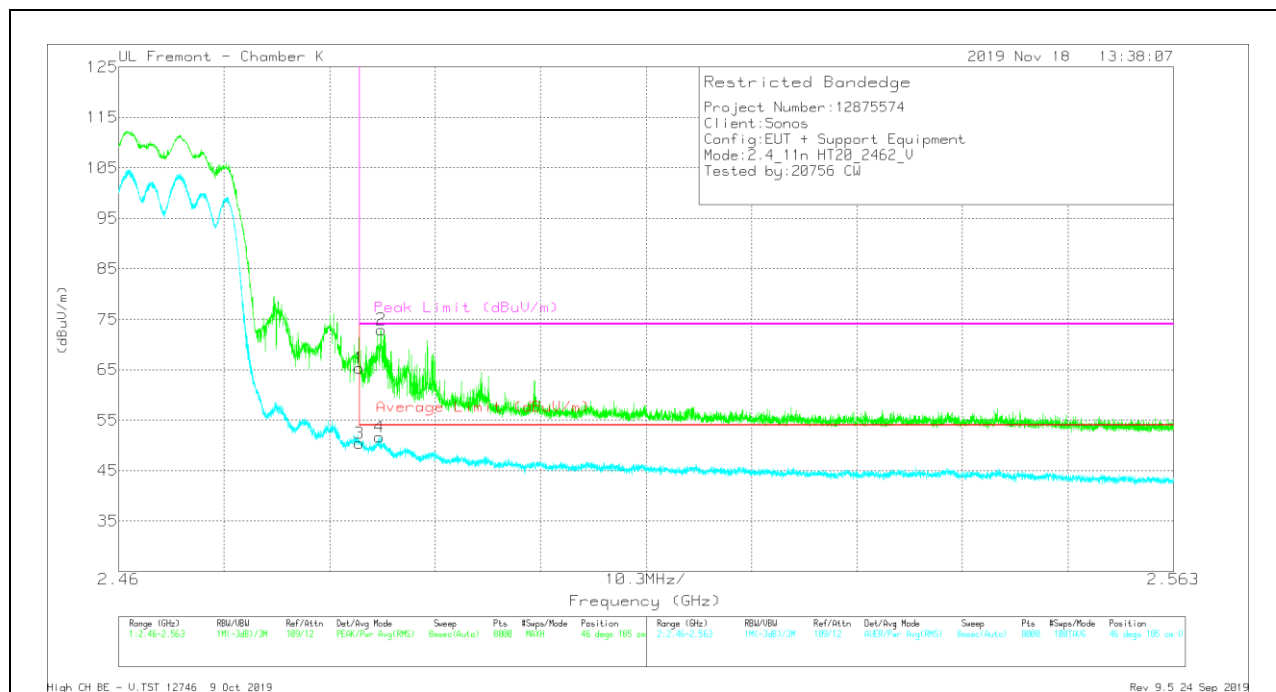
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp/Cbl/F Itt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	47.54	Pk	32.5	-14.1	0	65.94	-	-	74	-8.06	153	185	H
2	* 2.48368	52.98	Pk	32.5	-14.1	0	71.38	-	-	74	-2.62	153	185	H
3	* 2.4835	32.14	RMS	32.5	-14.1	.09	50.63	54	-3.37	-	-	153	185	H
4	* 2.48355	33.78	RMS	32.5	-14.1	.09	52.27	54	-1.73	-	-	153	185	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/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
1	* 2.4835	46.89	Pk	32.5	-14.1	0	65.29	-	-	74	-8.71	46	185	V
2	* 2.48563	54.45	Pk	32.5	-14	0	72.95	-	-	74	-1.05	46	185	V
3	* 2.4835	31.95	RMS	32.5	-14.1	.09	50.44	54	-3.56	-	-	46	185	V
4	* 2.48543	33.09	RMS	32.5	-14	.09	51.68	54	-2.32	-	-	46	185	V

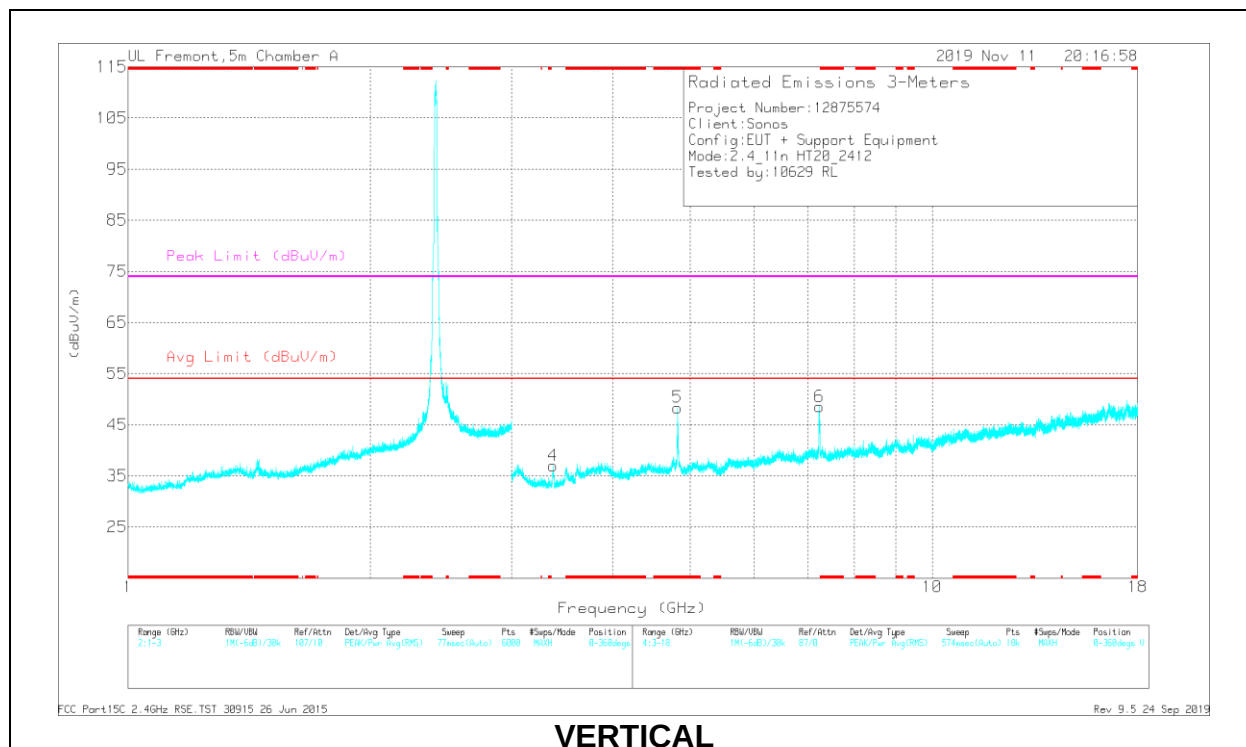
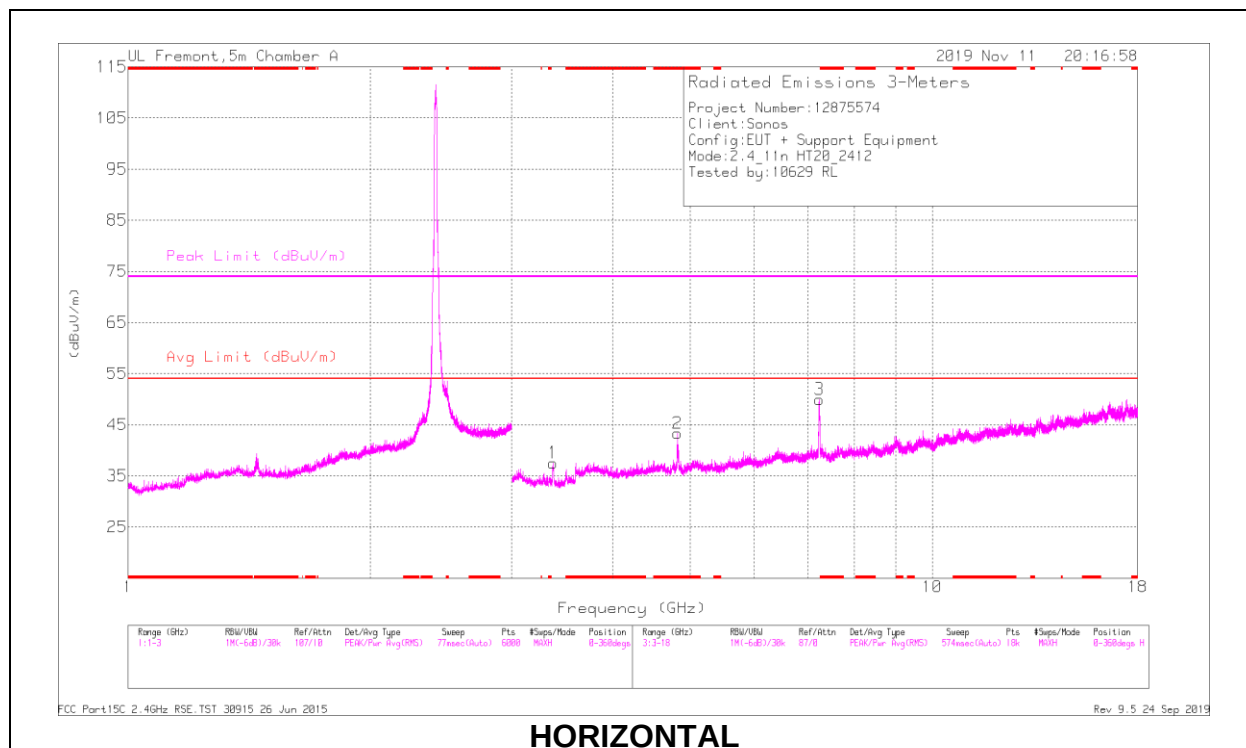
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

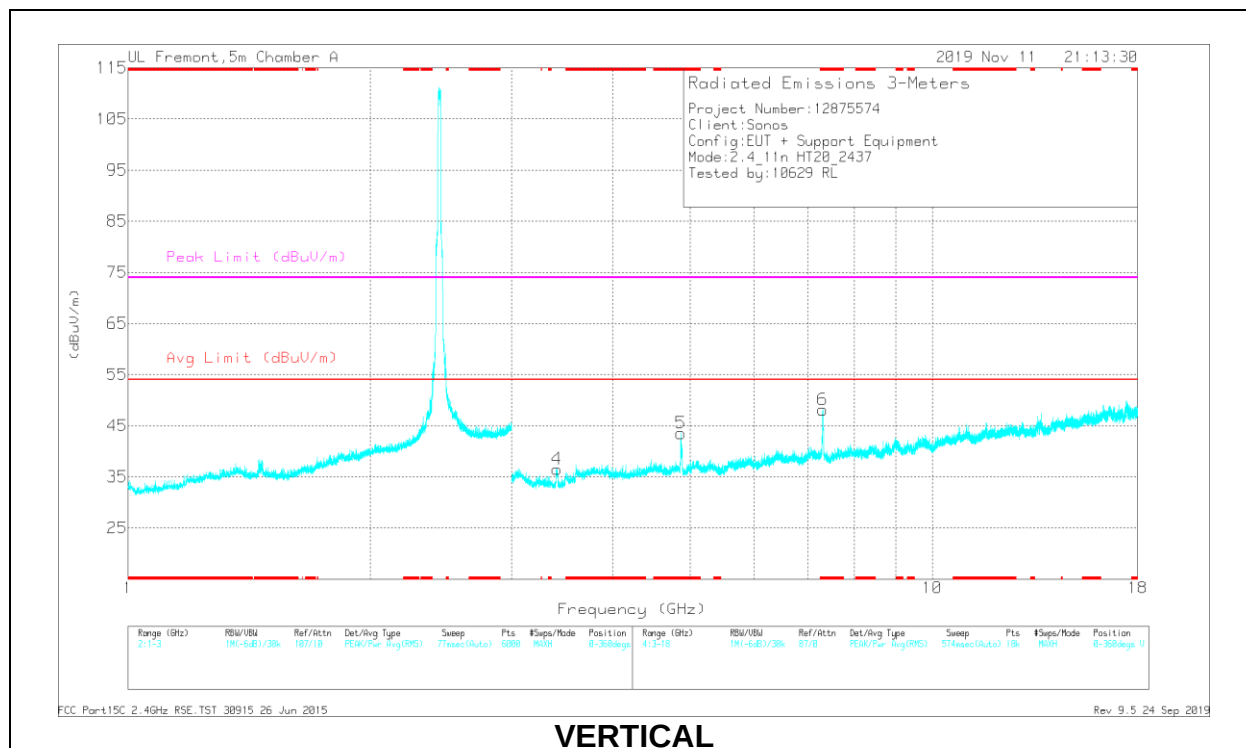
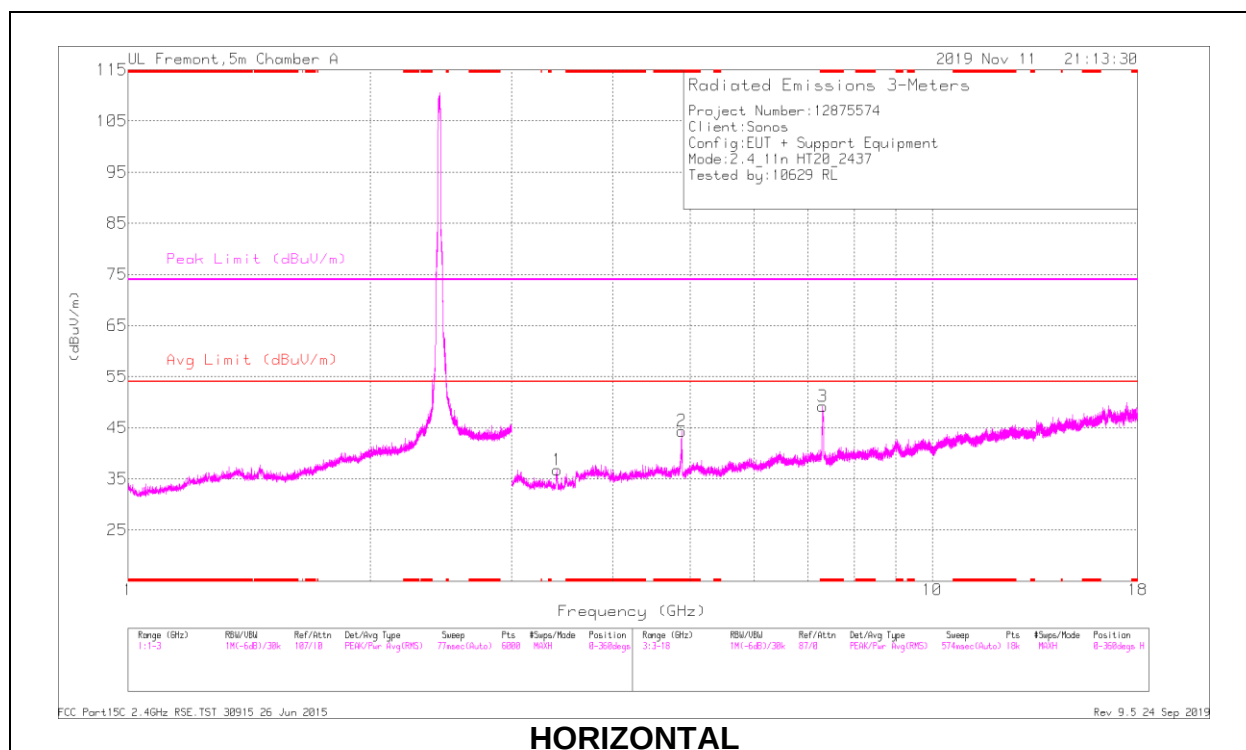
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82359	46.08	PK2	34.4	-27.8	0	52.68	-	-	74	-21.32	223	188	H
* 4.82289	34.98	MAV1	34.4	-27.8	.09	41.67	54	-12.33	-	-	223	188	H
* 4.8234	46.85	PK2	34.4	-27.8	0	53.45	-	-	74	-20.55	238	103	V
* 4.82302	35.63	MAV1	34.4	-27.8	.09	42.32	54	-11.68	-	-	238	103	V
3.37484	31.03	MAV1	32.8	-29.7	.09	34.22	-	-	-	-	208	116	V
3.37763	42.12	PK2	32.8	-29.7	0	45.22	-	-	-	-	360	121	H
3.37791	31.56	MAV1	32.8	-29.7	.09	34.75	-	-	-	-	360	121	H
3.38022	41.75	PK2	32.8	-29.8	0	44.75	-	-	-	-	208	116	V
7.23183	47.53	PK2	36	-24.1	0	59.43	-	-	-	-	254	230	H
7.23669	34.18	MAV1	35.9	-24.1	.09	46.07	-	-	-	-	254	230	H
7.23841	31.57	MAV1	35.9	-24.1	.09	43.46	-	-	-	-	141	102	V
7.24307	45.82	PK2	35.8	-24.1	0	57.52	-	-	-	-	141	102	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

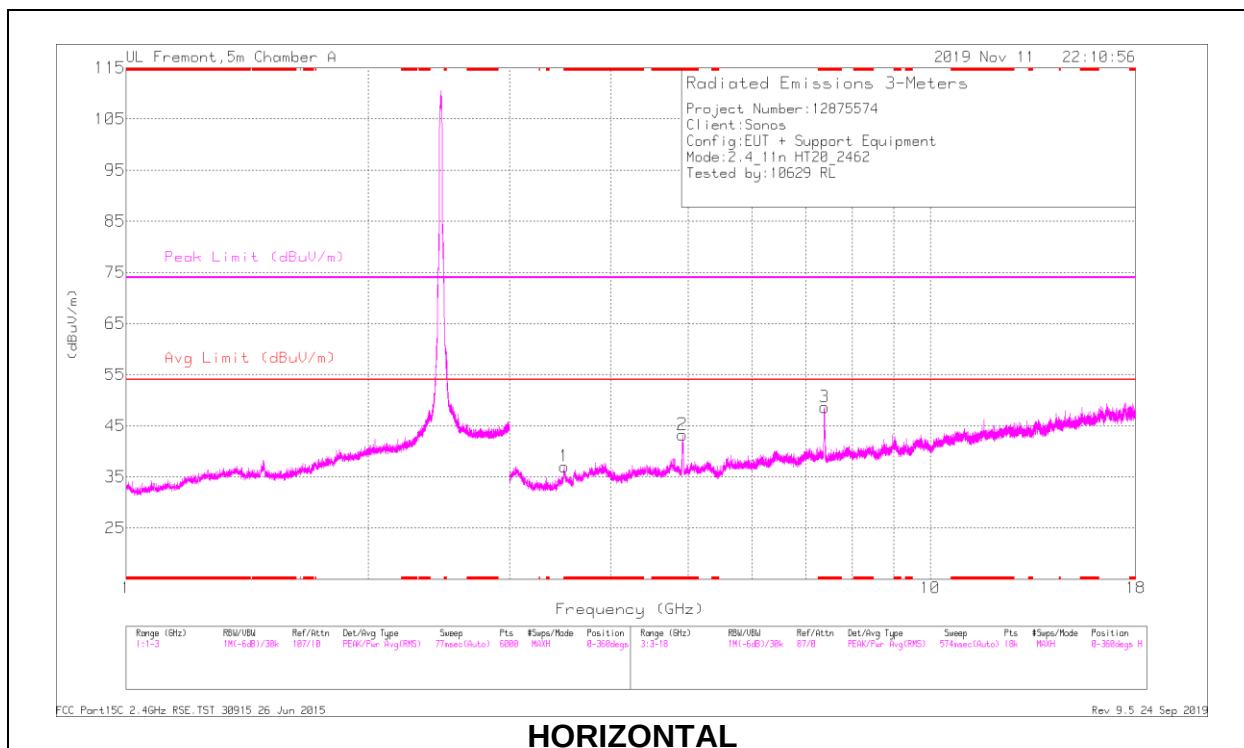
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87367	45.71	PK2	34.1	-28.7	0	51.11	-	-	74	-22.89	214	195	H
* 4.87323	33.73	MAV1	34.1	-28.7	.09	39.22	54	-14.78	-	-	214	195	H
* 7.31213	44.44	PK2	35.7	-23.5	0	56.64	-	-	74	-17.36	354	101	H
* 7.31181	30.51	MAV1	35.7	-23.5	.09	42.8	54	-11.2	-	-	354	101	H
* 4.8732	45.03	PK2	34.1	-28.7	0	50.43	-	-	74	-23.57	255	103	V
* 4.87299	32.96	MAV1	34.1	-28.7	.09	38.45	54	-15.55	-	-	255	103	V
* 7.31389	44.32	PK2	35.7	-23.5	0	56.52	-	-	74	-17.48	9	201	V
* 7.30879	31.27	MAV1	35.8	-23.4	.09	43.76	54	-10.24	-	-	9	201	V
3.40845	28.65	MAV1	32.8	-29.8	.09	31.74	-	-	-	-	357	195	H
3.40861	40.09	PK2	32.8	-29.8	0	43.09	-	-	-	-	357	195	H
3.40945	42.52	PK2	32.8	-29.8	0	45.52	-	-	-	-	214	112	V
3.41451	31.68	MAV1	32.8	-29.8	.09	34.77	-	-	-	-	214	112	V

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

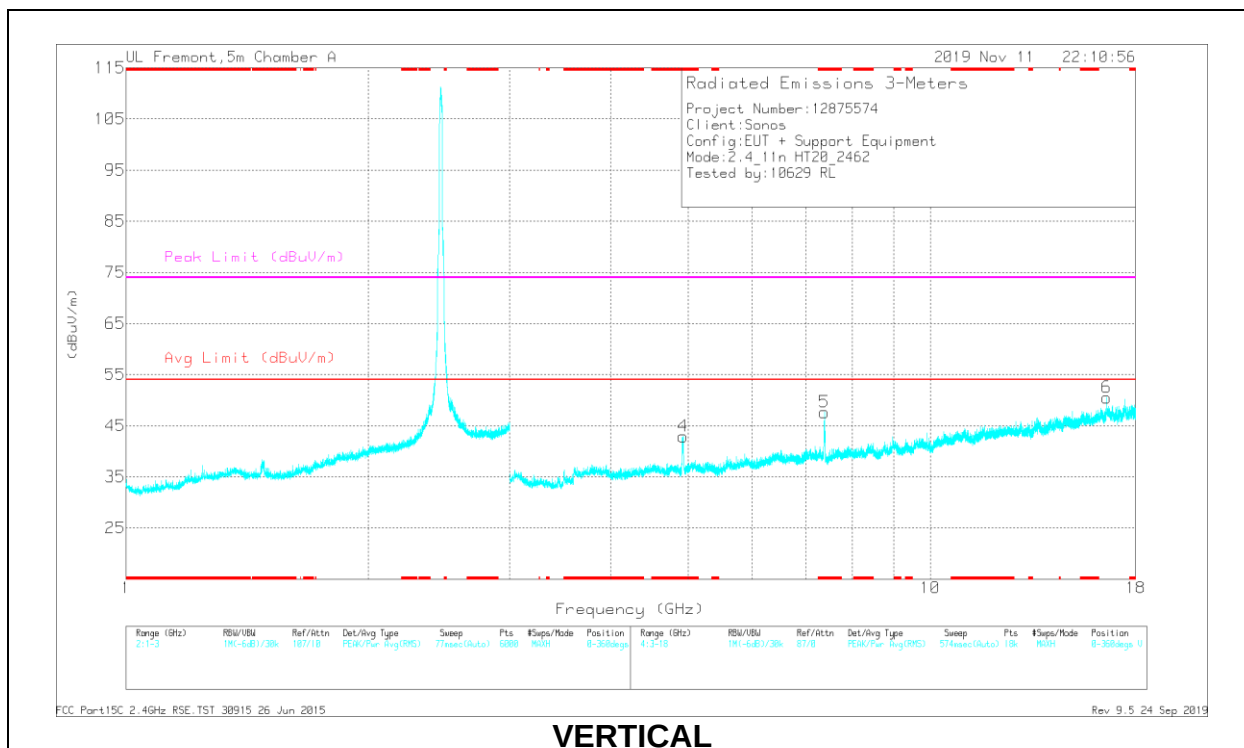
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.50946	38.43	PK2	33.7	-29.4	0	42.73	-	-	74	-31.27	345	127	H
* 3.5012	27.03	MAV1	34.1	-29.6	.09	31.62	54	-22.38	-	-	345	127	H
* 4.92373	45.89	PK2	34.2	-29.1	0	50.99	-	-	74	-23.01	213	207	H
* 4.92391	34.74	MAV1	34.2	-29.1	.09	39.93	54	-14.07	-	-	213	207	H
* 7.38184	46.94	PK2	35.8	-23.8	0	58.94	-	-	74	-15.06	261	203	H
* 7.3823	33.21	MAV1	35.8	-23.8	.09	45.3	54	-8.7	-	-	261	203	H
* 4.91818	44.91	PK2	34.2	-29.1	0	50.01	-	-	74	-23.99	237	111	V
* 4.9236	33.17	MAV1	34.2	-29.1	.09	38.36	54	-15.64	-	-	237	111	V
* 7.38476	42.68	PK2	35.8	-23.8	0	54.68	-	-	74	-19.32	327	113	V
* 7.3845	28.54	MAV1	35.8	-23.8	.09	40.63	54	-13.37	-	-	327	113	V
16.56179	20.82	MAV1	41.5	-18.7	.09	43.71	-	-	-	-	316	134	V
16.56964	31.92	PK2	41.4	-18.3	0	55.02	-	-	-	-	316	134	V

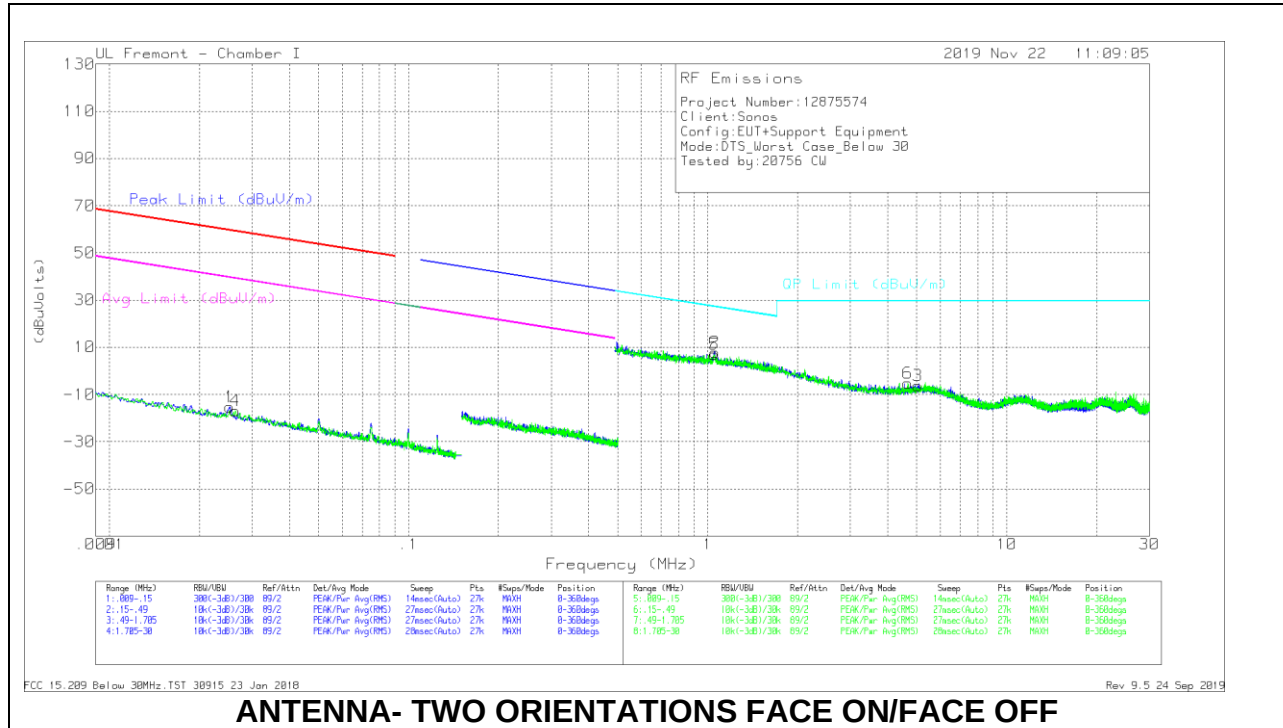
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

9.2. WORST CASE BELOW 30MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data

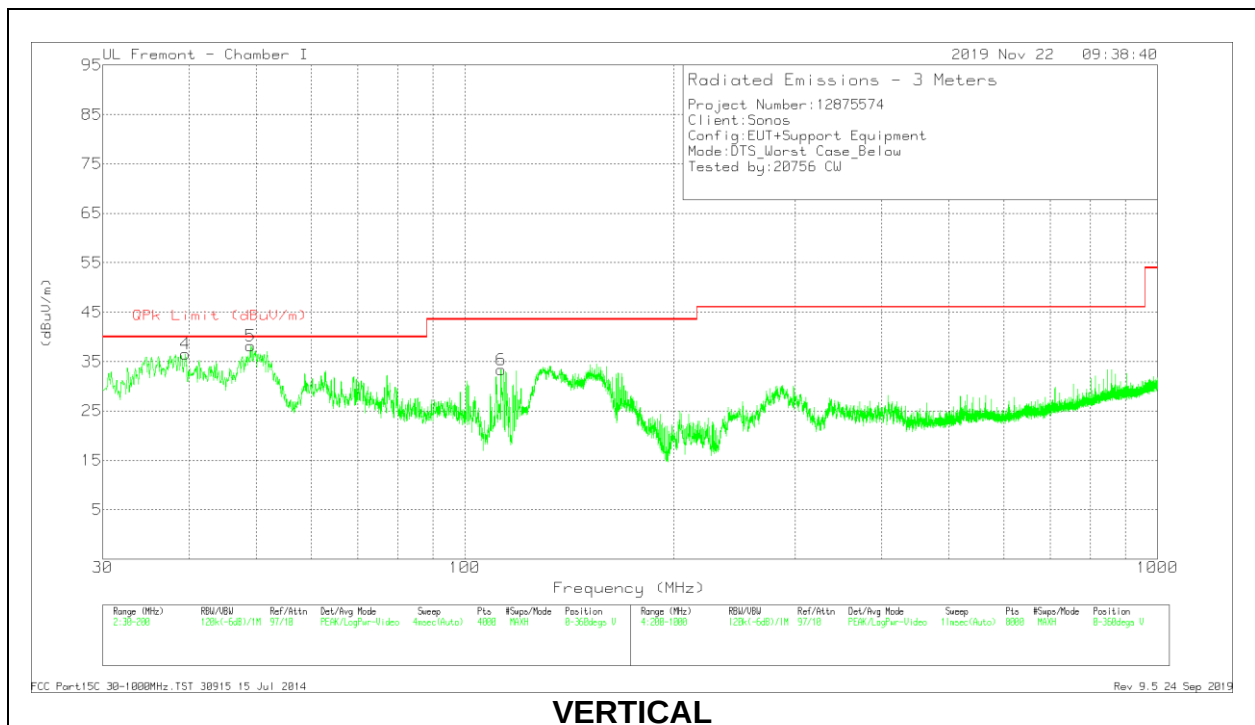
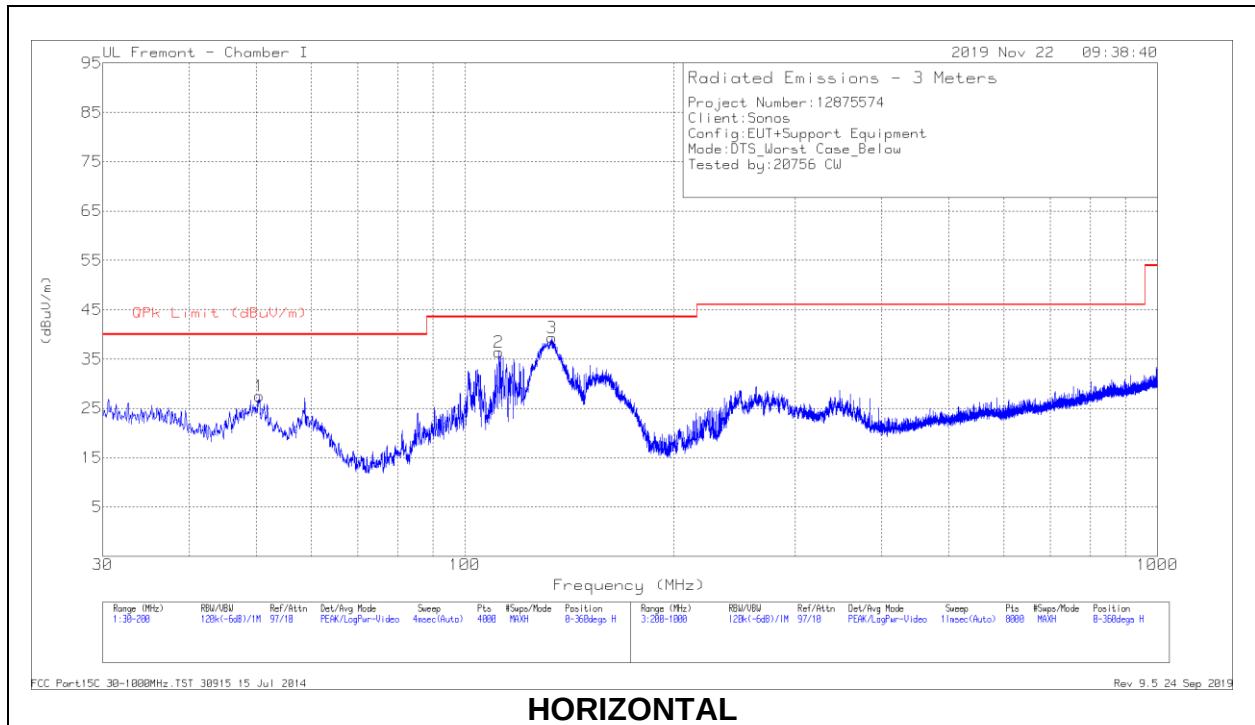
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.02528	49.61	Pk	15.1	0	-80	-15.29	59.53	-74.82	39.53	-54.82	0-360
4	.02638	47.88	Pk	15.2	0	-80	-16.92	59.16	-76.08	39.16	-56.08	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 (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
2	1.05833	33.28	Pk	14.4	.1	-40	7.78	27.13	-19.35	0-360
3	5.03974	18.72	Pk	14.9	.2	-40	-6.18	29.5	-35.68	0-360
5	1.05279	32.43	Pk	14.4	.1	-40	6.93	27.18	-20.25	0-360
6	4.67503	19.68	Pk	14.9	.2	-40	-5.22	29.5	-34.72	0-360

Pk - Peak detector

9.3. WORST CASE BELOW 1 GHz



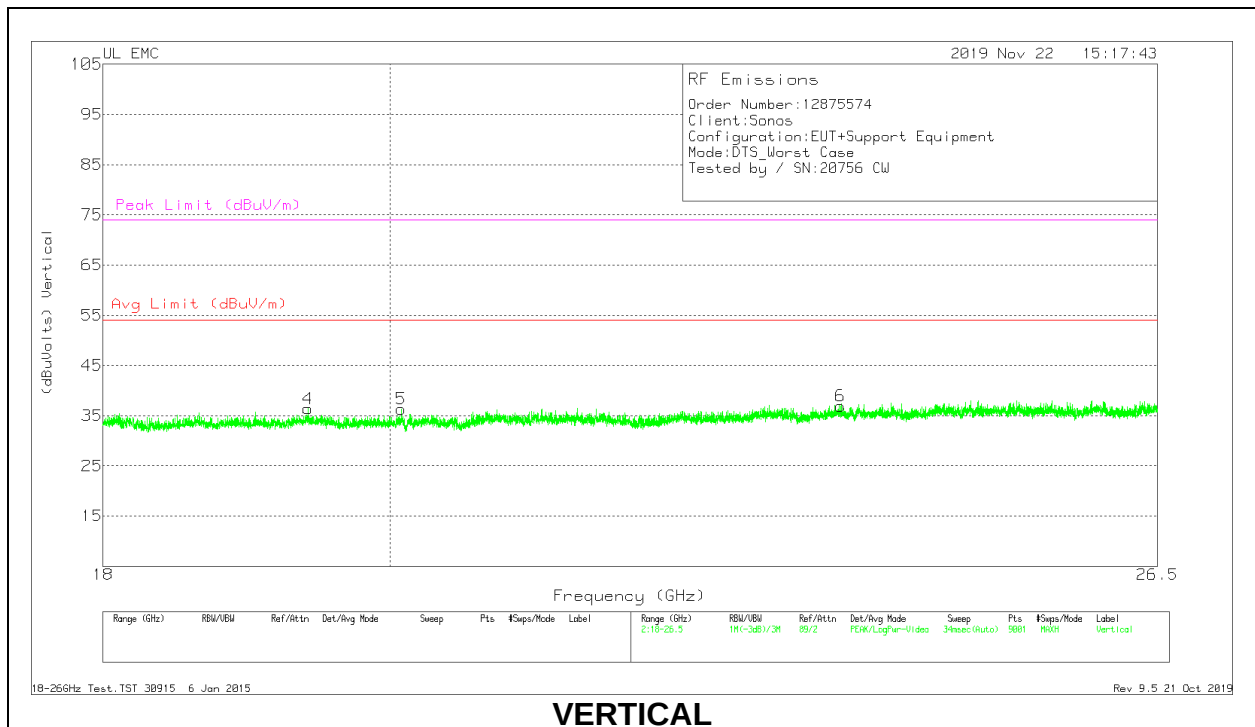
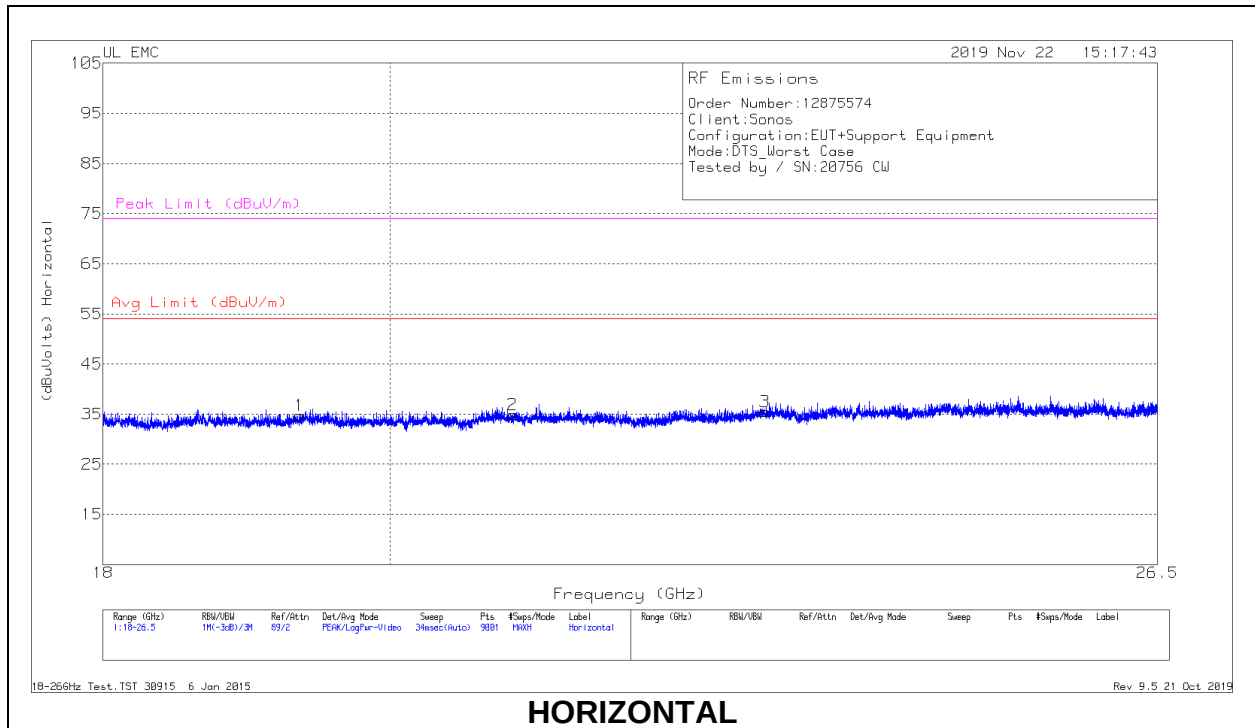
Below 1GHz DATA

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	50.5328	45.28	Pk	13.5	-31.3	27.48	40	-12.52	0-360	399	H
2	111.9187	48.4	Pk	18.7	-30.7	36.4	43.52	-7.12	0-360	299	H
3	133.5993	50.84	Pk	19.2	-30.7	39.34	43.52	-4.18	0-360	199	H
	133.8211	47.39	Qp	19.2	-30.7	35.89	43.52	-7.63	357	216	H
4	39.5225	47.7	Pk	20.1	-31.3	36.5	40	-3.5	0-360	102	V
	39.4419	43.34	Qp	20.2	-31.3	32.24	40	-7.76	106	123	V
5	49.0024	55.28	Pk	14	-31.1	38.18	40	-1.82	0-360	102	V
	49.0609	51.99	Qp	14	-31.1	34.89	40	-5.11	89	102	V
6	112.7477	45.35	Pk	18.8	-30.8	33.35	43.52	-10.17	0-360	102	V

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	19.34394	68.56	Pk	32.7	-57	-9.5	34.76	54	-19.24	74	-39.24
2	20.91833	68.49	Pk	33.2	-57.3	-9.5	34.89	54	-19.11	74	-39.11
3	22.94511	68.69	Pk	33.7	-57.4	-9.5	35.49	54	-18.51	74	-38.51
4	19.40533	70.1	Pk	32.7	-56.9	-9.5	36.4	54	-17.6	74	-37.6
5	20.07967	69.33	Pk	32.9	-56.4	-9.5	36.33	54	-17.67	74	-37.67
6	23.59111	69.41	Pk	34.2	-57.2	-9.5	36.91	54	-17.09	74	-37.09

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.

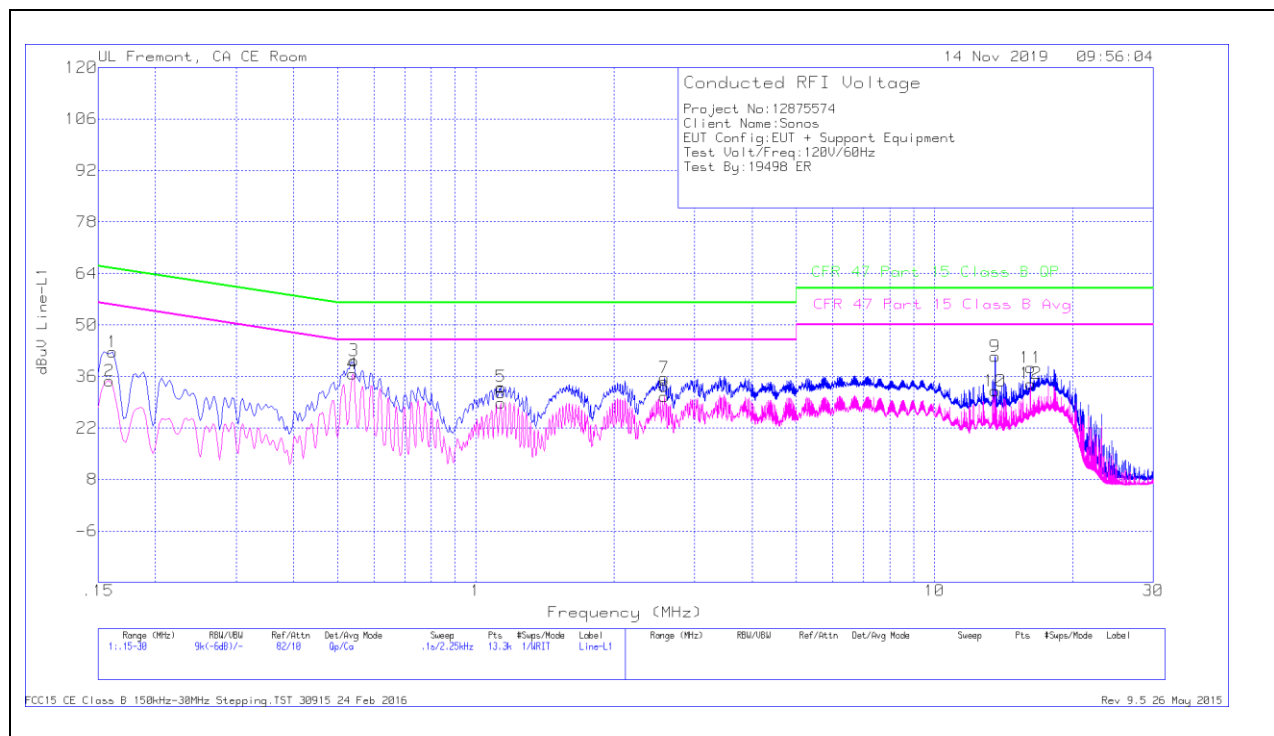
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

AC Power Line Norm

LINE 1 RESULTS



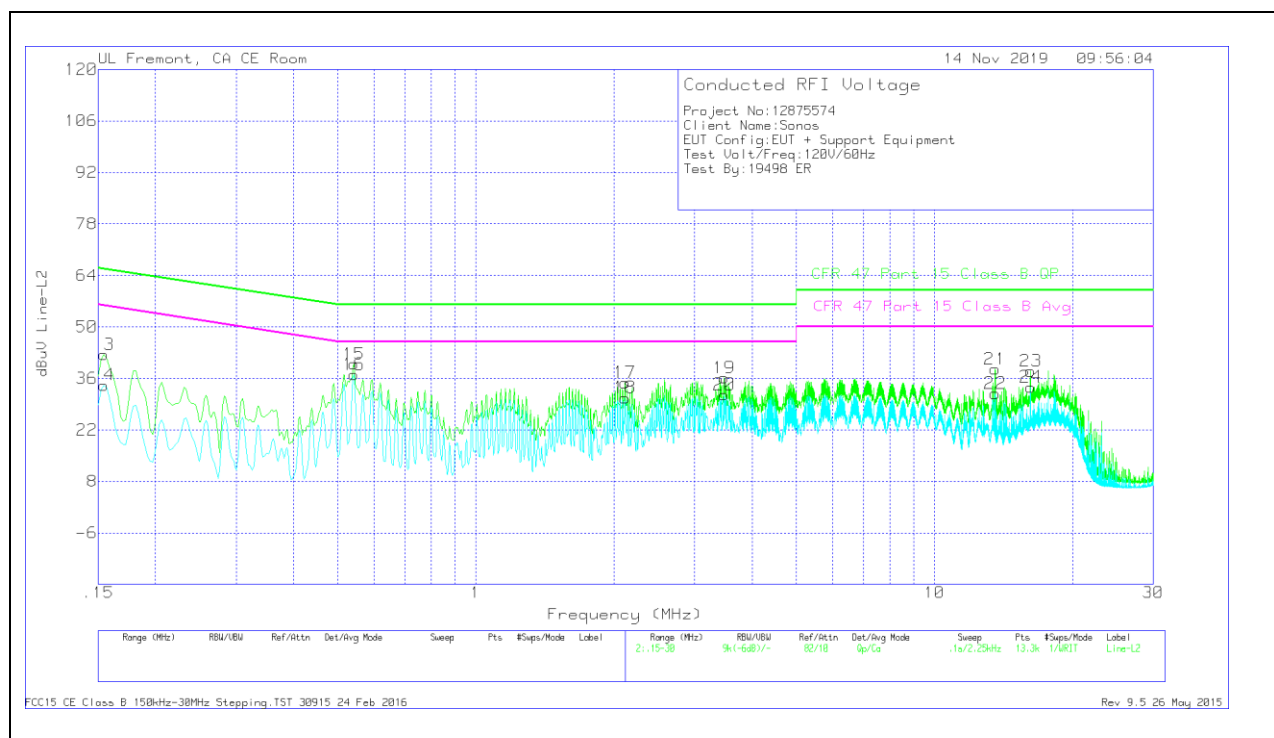
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.16125	32.44	Qp	.1	0	10.1	42.64	65.4	-22.76	-	-
2	.159	24.58	Ca	.1	0	10.1	34.78	-	-	55.52	-20.74
3	.5415	30.19	Qp	0	0	10.1	40.29	56	-15.71	-	-
4	.53925	26.52	Ca	0	0	10.1	36.62	-	-	46	-9.38
5	1.13325	22.96	Qp	0	.1	10.1	33.16	56	-22.84	-	-
6	1.13325	18.59	Ca	0	.1	10.1	28.79	-	-	46	-17.21
7	2.57775	25.44	Qp	0	.1	10.1	35.64	56	-20.36	-	-
8	2.57775	20.28	Ca	0	.1	10.1	30.48	-	-	46	-15.52
9	13.56	30.97	Qp	.1	.2	10.2	41.47	60	-18.53	-	-
10	13.56	21.56	Ca	.1	.2	10.2	32.06	-	-	50	-17.94
11	16.2285	27.69	Qp	.1	.3	10.3	38.39	60	-21.61	-	-
12	16.2285	23.31	Ca	.1	.3	10.3	34.01	-	-	50	-15.99

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



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequenc y (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	.1545	32.25	Qp	.1	0	10.1	42.45	65.75	-23.3	-	-
14	.1545	23.99	Ca	.1	0	10.1	34.19	-	-	55.75	-21.56
15	.5415	29.78	Qp	0	0	10.1	39.88	56	-16.12	-	-
16	.5415	26.97	Ca	0	0	10.1	37.07	-	-	46	-8.93
17	2.11425	24.65	Qp	0	.1	10.1	34.85	56	-21.15	-	-
18	2.11425	20.55	Ca	0	.1	10.1	30.75	-	-	46	-15.25
19	3.48	25.95	Qp	0	.1	10.1	36.15	56	-19.85	-	-
20	3.48	21.36	Ca	0	.1	10.1	31.56	-	-	46	-14.44
21	13.56	28.06	Qp	.1	.2	10.2	38.56	60	-21.44	-	-
22	13.56	21.4	Ca	.1	.2	10.2	31.9	-	-	50	-18.1
23	16.2285	27.28	Qp	.1	.3	10.3	37.98	60	-22.02	-	-
24	16.2285	22.95	Ca	.1	.3	10.3	33.65	-	-	50	-16.35

Qp - Quasi-Peak detector

Ca - CISPR average detection

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