

10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

2D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

The limits in CFR 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.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

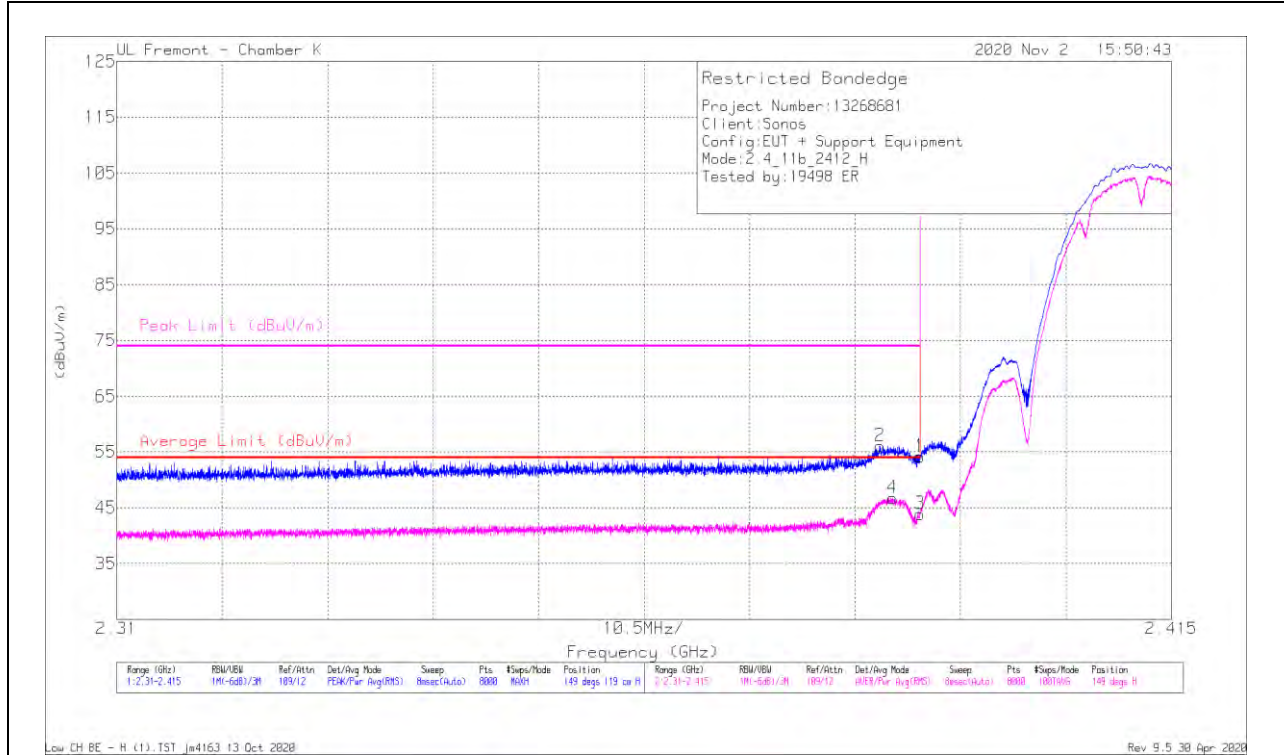
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

2TX Chain 0 + Chain 1

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



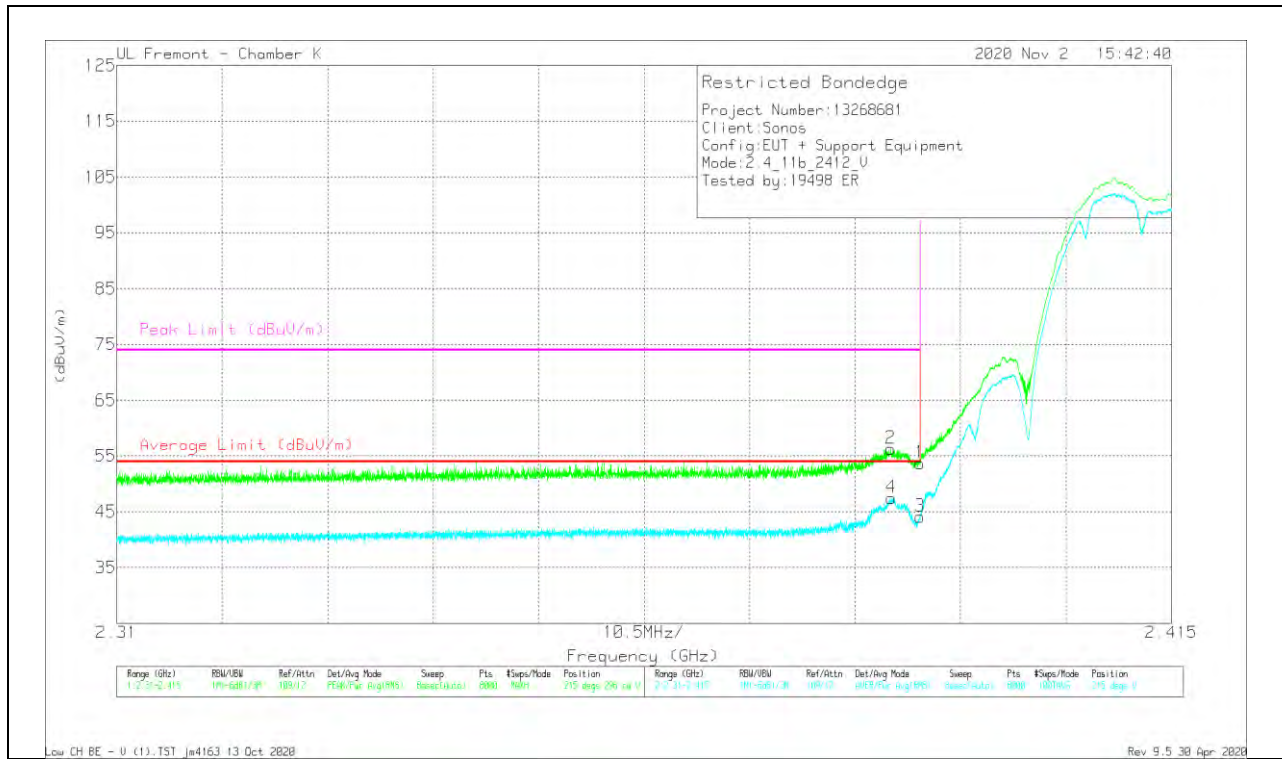
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Fitr/Par d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	33.41	Pk	32.4	-11.6	54.21	-	-	74	-19.79	149	119	H
2	* 2.38597	35.31	Pk	32.4	-11.6	56.11	-	-	74	-17.89	149	119	H
3	* 2.39	23.04	RMS	32.4	-11.6	43.84	54	-10.16	-	-	149	119	H
4	* 2.38724	25.92	RMS	32.4	-11.6	46.72	54	-7.28	-	-	149	119	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

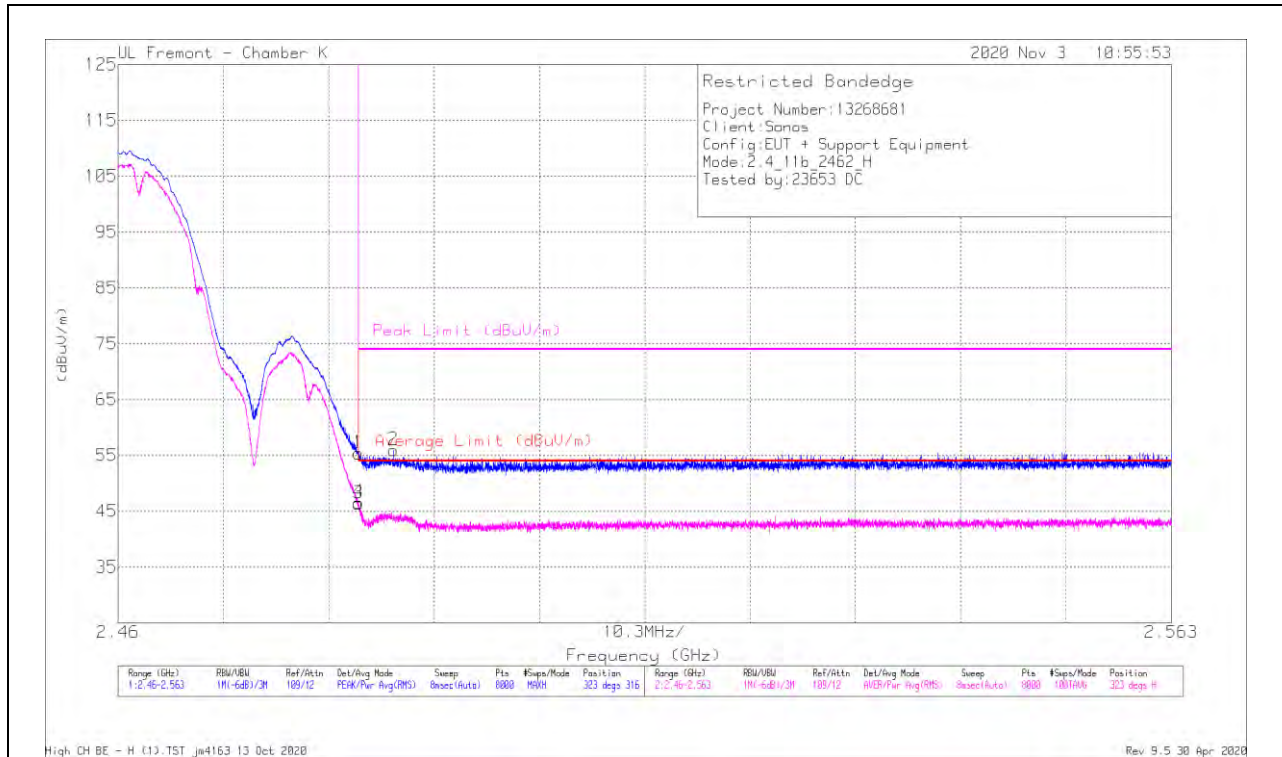


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/CbI/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	32.84	Pk	32.4	-11.6	53.64	-	-	74	-20.36	215	296	V
2	* 2.38703	35.45	Pk	32.4	-11.6	56.25	-	-	74	-17.75	215	296	V
3	* 2.39	23.3	RMS	32.4	-11.6	44.1	54	-9.9	-	-	215	296	V
4	* 2.38712	26.69	RMS	32.4	-11.6	47.49	54	-6.51	-	-	215	296	V

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

BANDEGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



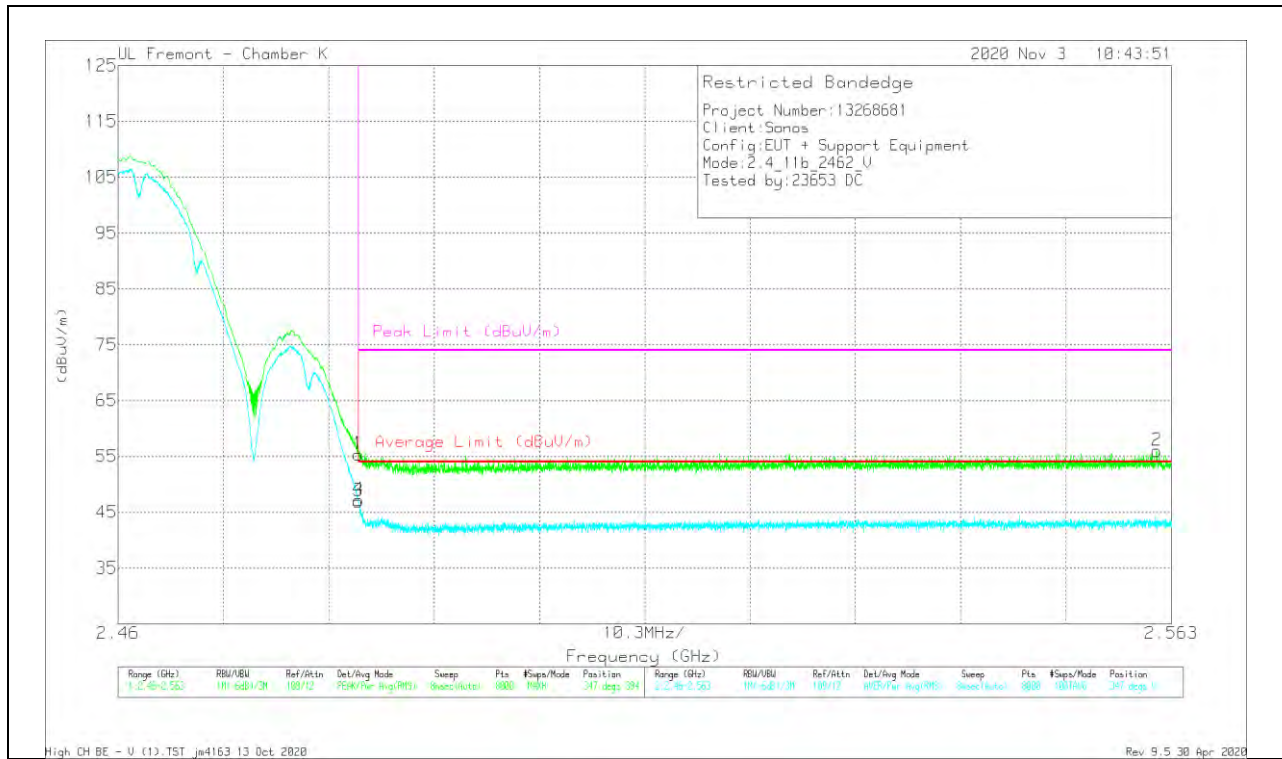
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbll/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	34.1	Pk	32.5	-11.2	55.4	-	-	74	-18.6	323	316	H
2	* 2.48691	34.75	Pk	32.5	-11.3	55.95	-	-	74	-18.05	323	316	H
3	* 2.4835	25.07	RMS	32.5	-11.2	46.37	54	-7.63	-	-	323	316	H
4	* 2.48351	25.25	RMS	32.5	-11.2	46.55	54	-7.45	-	-	323	316	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

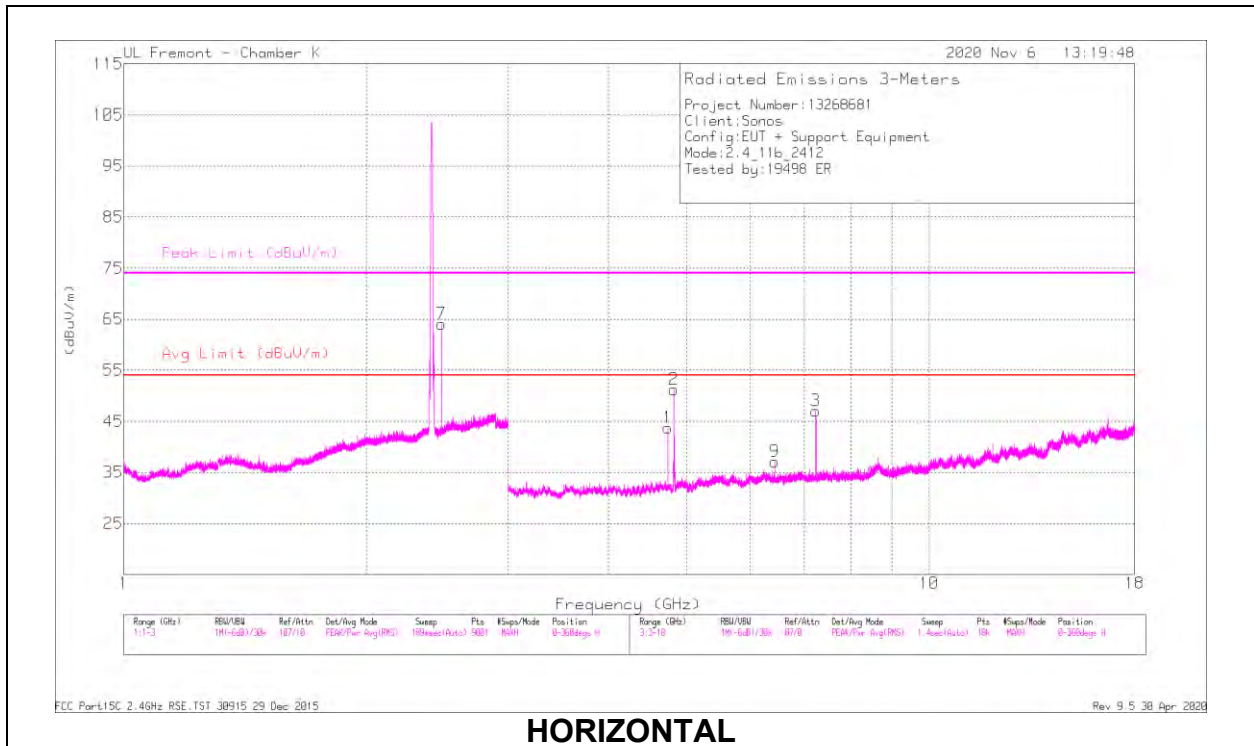


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	34.07	Pk	32.5	-11.2	55.37	-	-	74	-18.63	347	394	V
2	2.56156	34.29	Pk	32.7	-11	55.99	-	-	74	-18.01	347	394	V
3	* 2.4835	25.66	RMS	32.5	-11.2	46.96	54	-7.04	-	-	347	394	V
4	* 2.48351	25.91	RMS	32.5	-11.2	47.21	54	-6.79	-	-	347	394	V

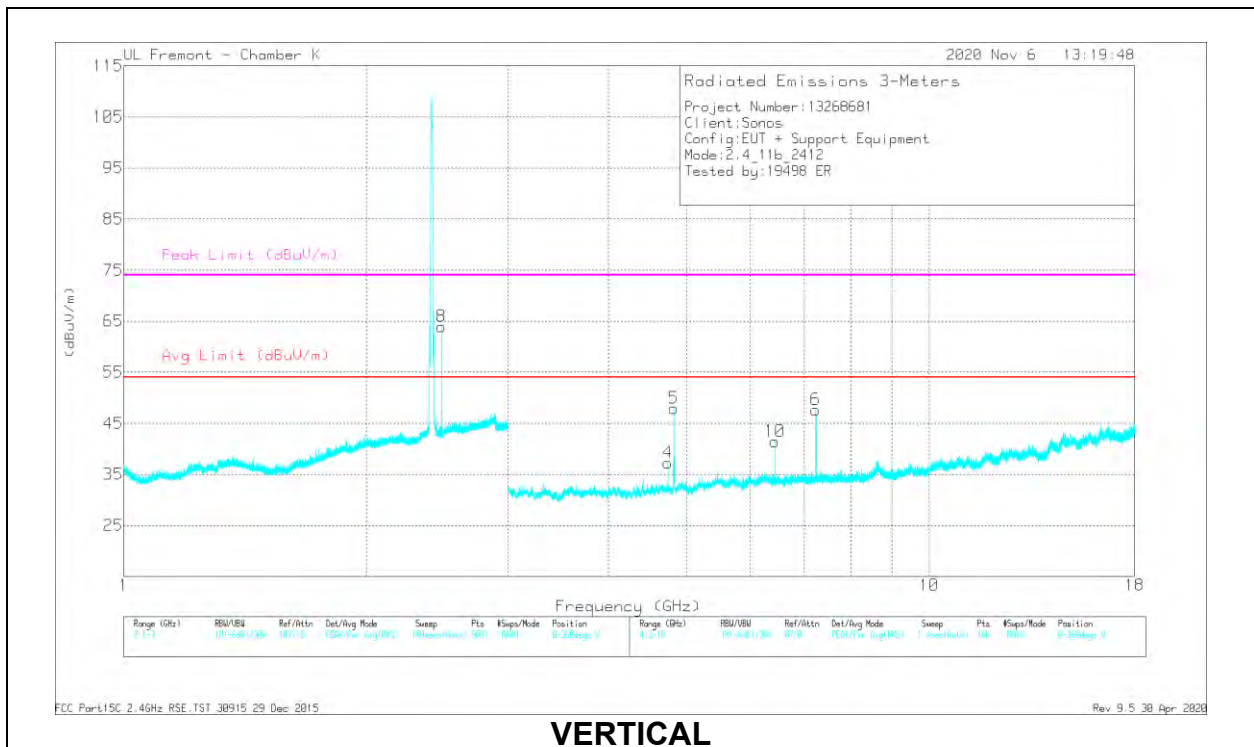
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



HORIZONTAL



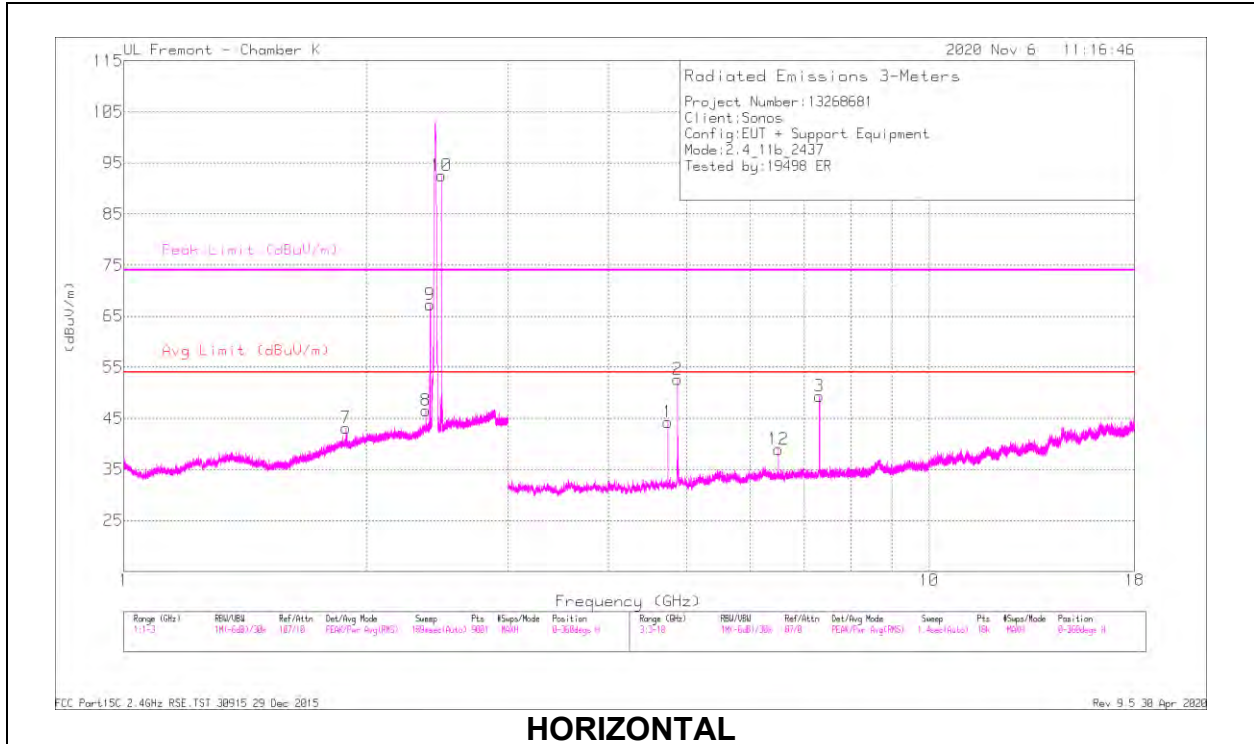
VERTICAL

RADIATED EMISSIONS

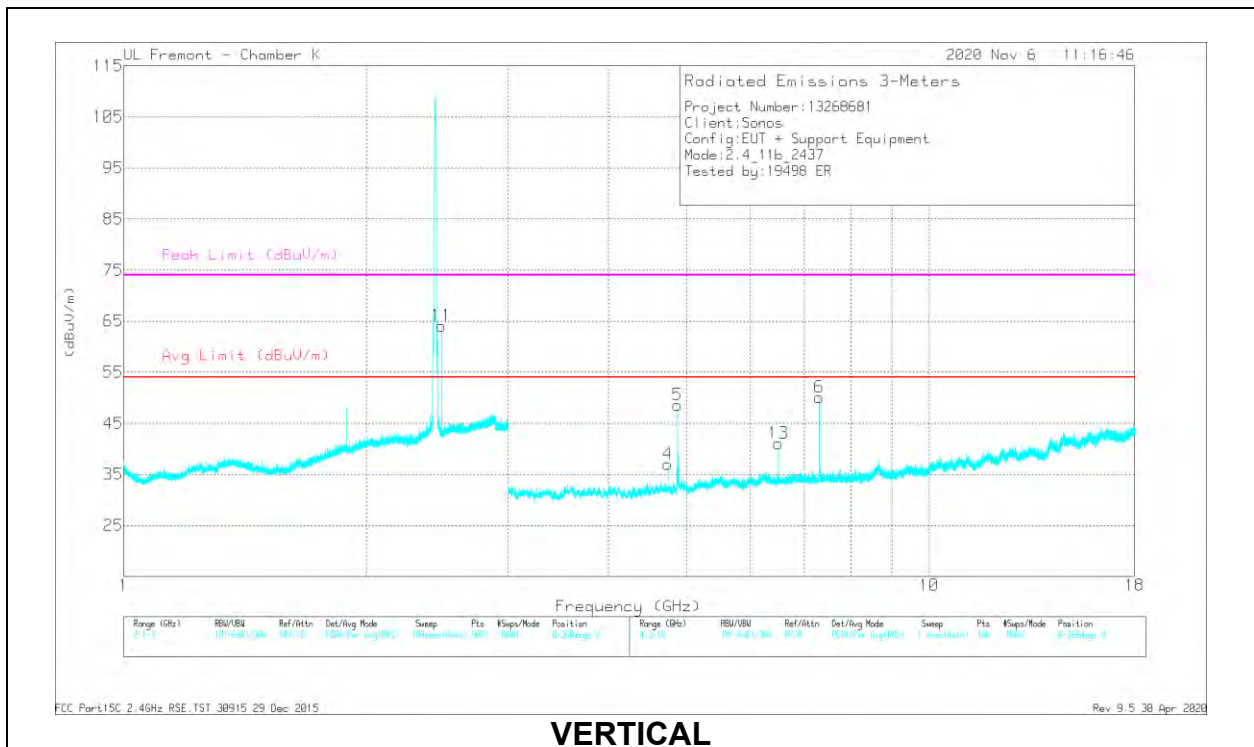
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.73744	52.86	PK2	34.2	-41.1	45.96	-	-	74	-28.04	203	97	H
* 4.73741	49.16	MAV1	34.2	-41.1	42.26	54	-11.74	-	-	203	97	H
* 4.82394	60.12	PK2	34.4	-40.6	53.92	-	-	74	-20.08	160	232	H
* 4.82399	57.4	MAV1	34.4	-40.6	51.2	54	-2.8	-	-	160	232	H
7.23502	54.8	PK2	36.1	-38.7	52.2	-	-	-	-	118	107	H
* 4.73687	51.14	PK2	34.2	-41.1	44.24	-	-	74	-29.76	316	373	V
* 4.73692	44.12	MAV1	34.2	-41.1	37.22	54	-16.78	-	-	316	373	V
* 4.82397	57.54	PK2	34.4	-40.6	51.34	-	-	74	-22.66	221	243	V
* 4.82394	54.4	MAV1	34.4	-40.6	48.2	54	-5.8	-	-	221	243	V
7.23505	53.69	PK2	36.1	-38.7	51.09	-	-	-	-	91	323	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

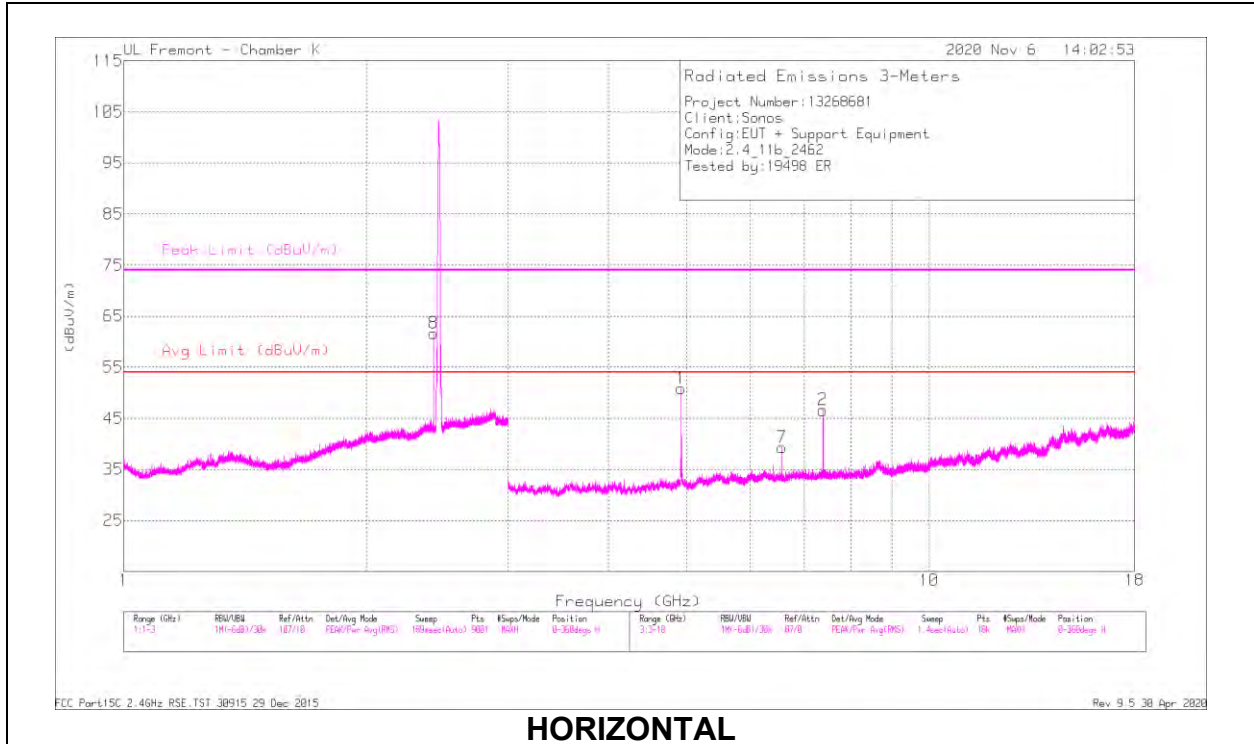
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.37455	32.15	PK2	32.4	-11.6	52.95	-	-	74	-21.05	328	145	H
* 2.37475	20.93	MAv1	32.4	-11.6	41.73	54	-12.27	-	-	328	145	H
* 4.87398	61.64	PK2	34.4	-40.7	55.34	-	-	74	-18.66	156	205	H
* 4.87404	59.64	MAv1	34.4	-40.7	53.34	54	-66	-	-	156	205	H
* 4.73696	55.07	PK2	34.2	-41.1	48.17	-	-	74	-25.83	205	105	H
* 4.73695	50.83	MAv1	34.2	-41.1	43.93	54	-10.07	-	-	205	105	H
* 7.31191	55.25	PK2	36.1	-38.3	53.05	-	-	74	-20.95	137	96	H
* 7.31191	50.32	MAv1	36.1	-38.3	48.12	54	-5.88	-	-	137	96	H
* 4.73655	51	PK2	34.2	-41.2	44	-	-	74	-30	332	396	V
* 4.73665	43.92	MAv1	34.2	-41.2	36.92	54	-17.08	-	-	332	396	V
* 4.87401	56.84	PK2	34.4	-40.7	50.54	-	-	74	-23.46	311	101	V
* 4.87401	54.3	MAv1	34.4	-40.7	48	54	-6	-	-	311	101	V
* 7.31005	55.97	PK2	36.1	-38.3	53.77	-	-	74	-20.23	96	200	V
* 7.31011	51.86	MAv1	36.1	-38.3	49.66	54	-4.34	-	-	96	200	V

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

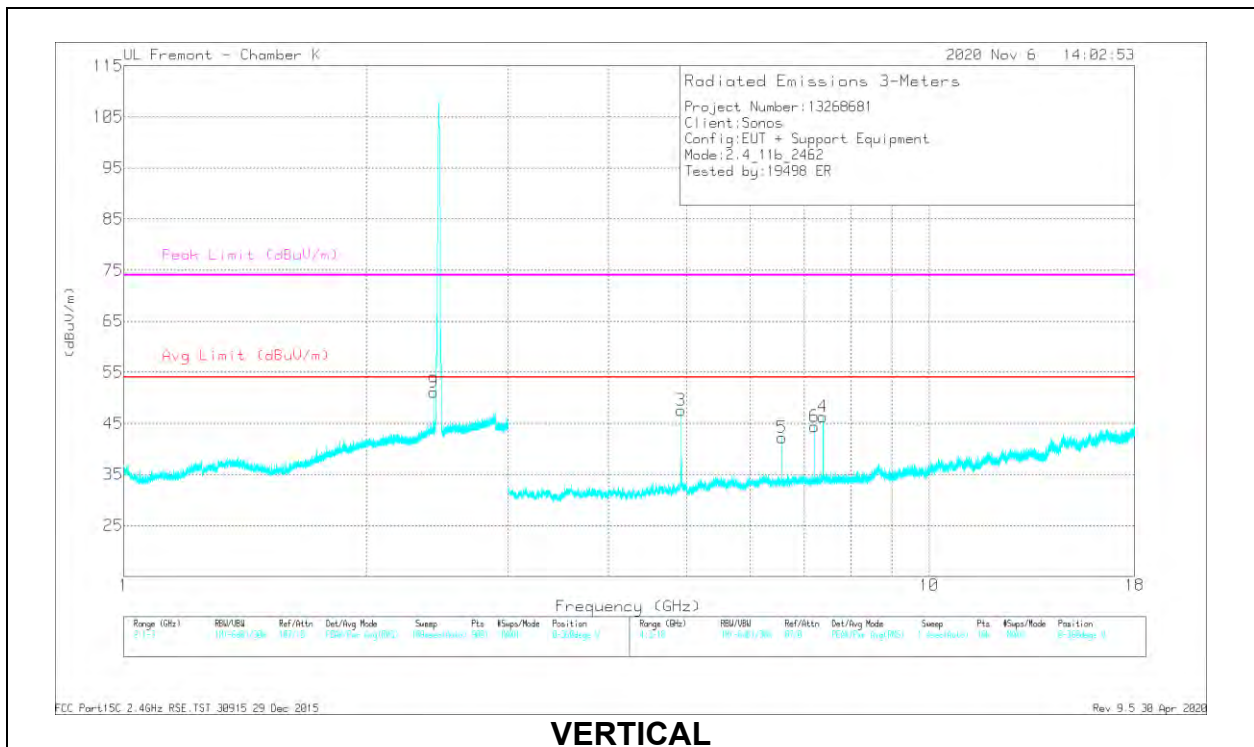
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Prod (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.924	60.62	PK2	34.4	-40.7	54.32	-	-	74	-19.68	139	273	H
* 4.92401	58.08	MAV1	34.4	-40.7	51.78	54	-2.22	-	-	139	273	H
* 7.38657	53.19	PK2	36	-38	51.19	-	-	74	-22.81	140	119	H
* 7.38507	47.82	MAV1	36	-38	45.82	54	-8.18	-	-	140	119	H
6.5653	48.89	PK2	35.8	-39.1	45.59	-	-	-	-	6	110	H
* 4.92408	57.94	PK2	34.4	-40.7	51.64	-	-	74	-22.36	315	137	V
* 4.92404	54.81	MAV1	34.4	-40.7	48.51	54	-5.49	-	-	315	137	V
* 7.38717	52.62	PK2	36	-38	50.62	-	-	74	-23.38	203	202	V
* 7.38711	47.07	MAV1	36	-38	45.07	54	-8.93	-	-	203	202	V
7.20314	46.55	PK2	36	-38.6	43.95	-	-	-	-	313	136	V

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

PK2 - KDB558074 Method: Maximum Peak

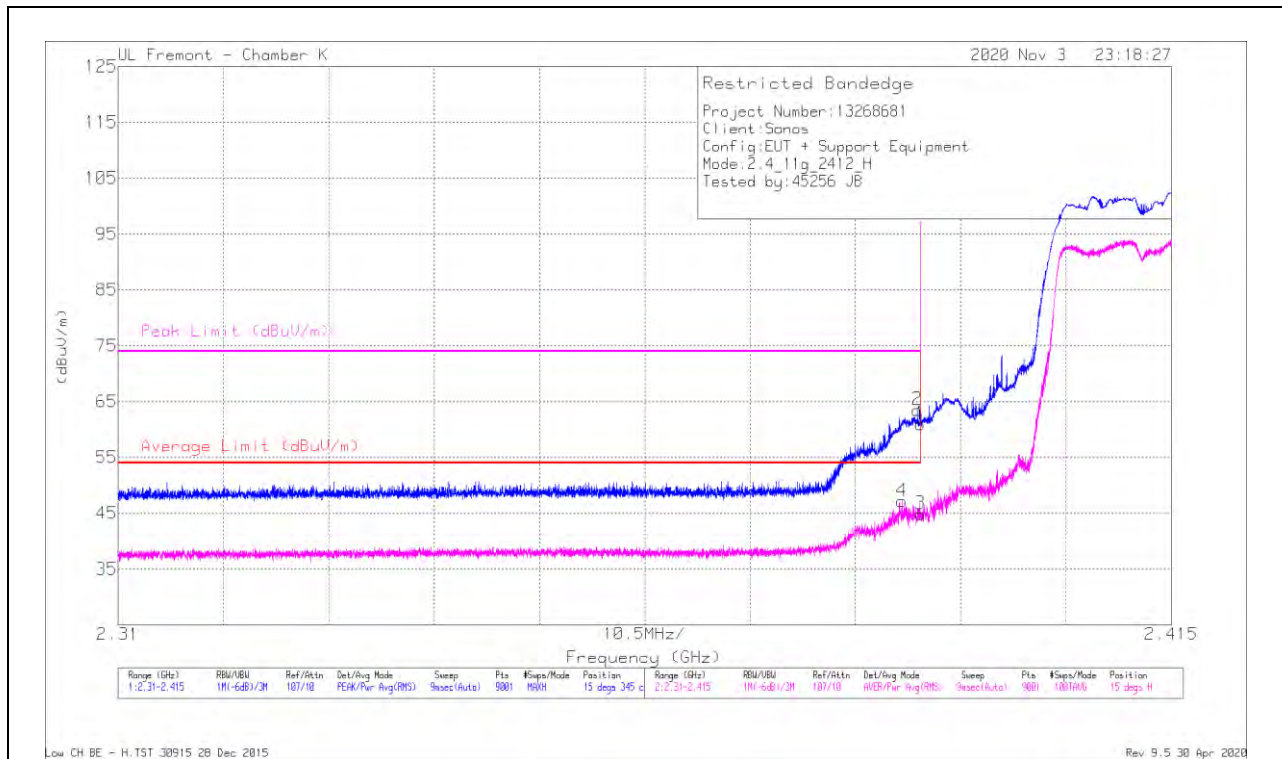
MAV1 - KDB558074 Option 1 Maximum RMS Average

10.1.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

2TX Chain 0 + Chain 1

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



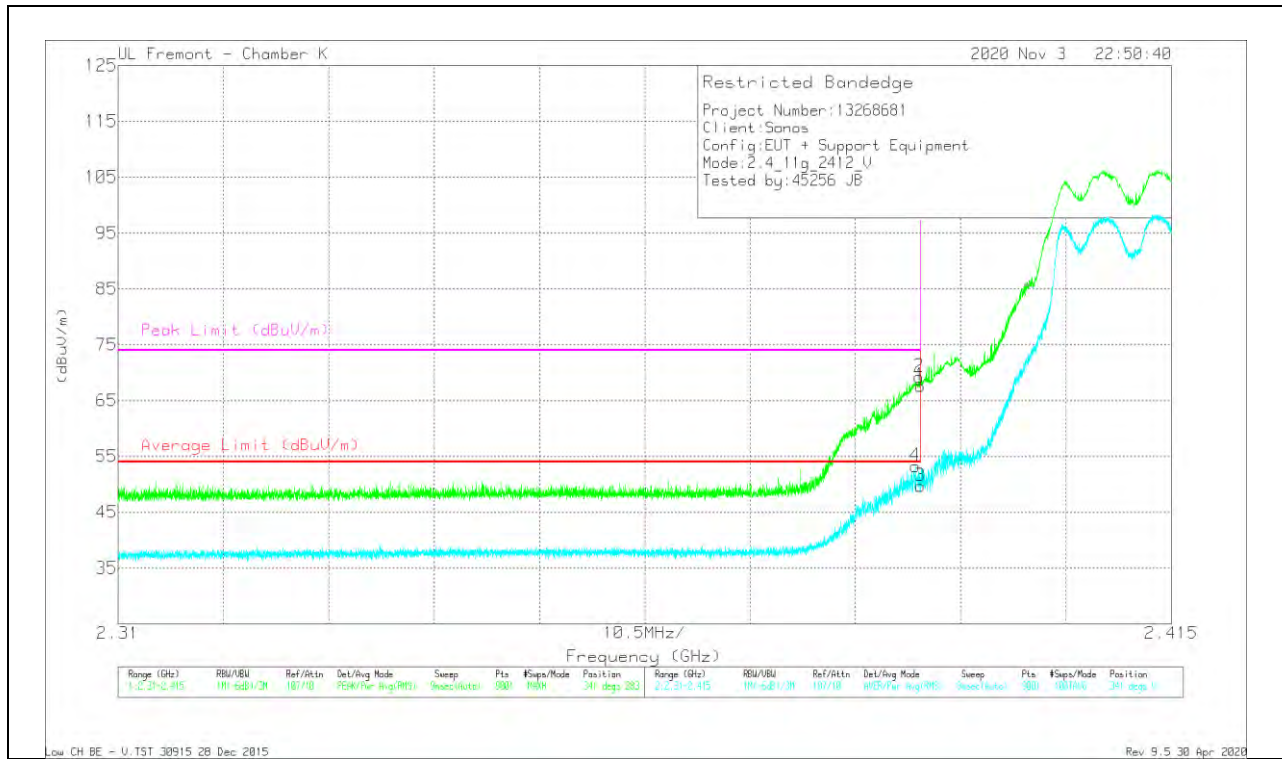
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/CDI/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	63.54	Pk	32.4	-35	0	60.94	-	-	74	-13.06	15	345	H
2	* 2.38966	66.11	Pk	32.4	-35	0	63.51	-	-	74	-10.49	15	345	H
3	* 2.38999	47.48	RMS	32.4	-35	-17	45.05	54	-8.95	-	-	15	345	H
4	* 2.38813	49.73	RMS	32.4	-35	-17	47.3	54	-6.7	-	-	15	345	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

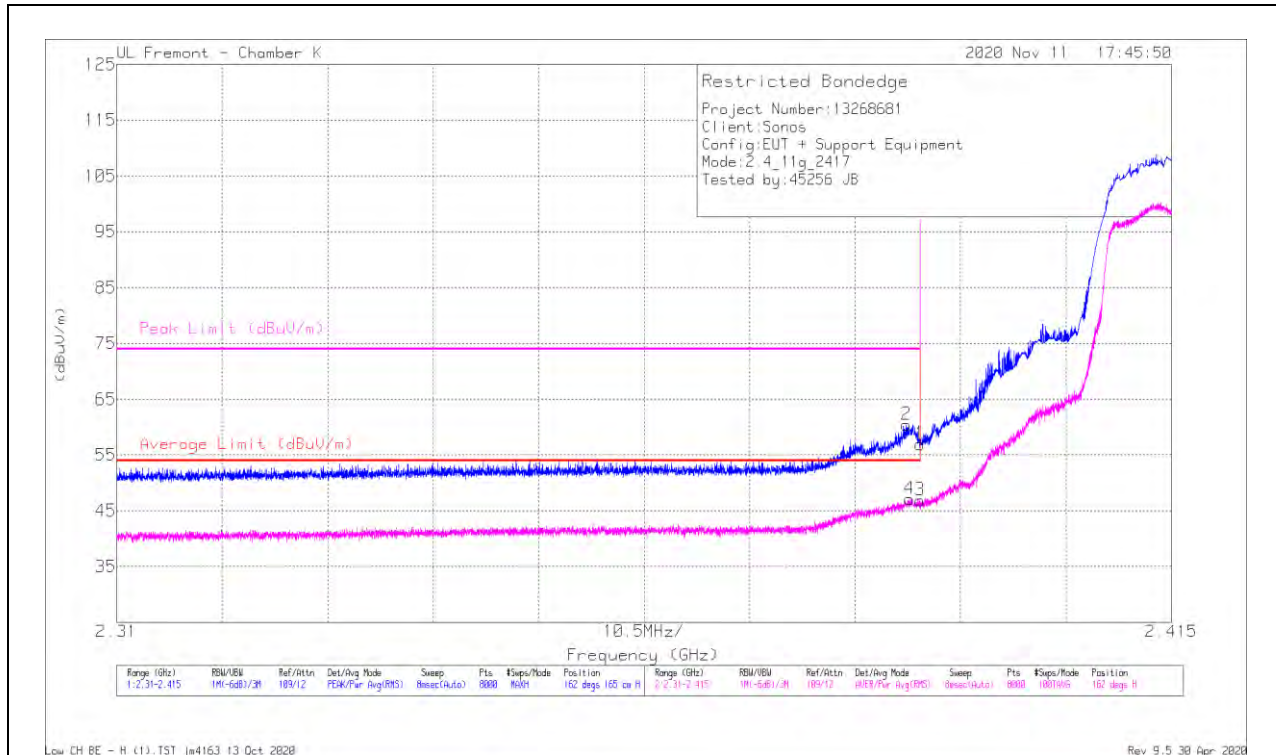


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1563 (dB/m)	Amp/Cliff/In/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	70.27	PK	32.4	-35	0	67.67	-	-	74	-6.33	341	283	V
2	* 2.38985	71.83	PK	32.4	-35	0	69.23	-	-	74	-4.77	341	283	V
3	* 2.38999	52.29	RMS	32.4	-35	-17	49.86	54	-4.14	-	-	341	283	V
4	* 2.38948	55.86	RMS	32.4	-35	-17	53.43	54	-0.57	-	-	341	283	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 T863 (dBm)	Amp/Cbl/Filt/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	36.16	Pk	32.4	-11.6	0	56.96	-	-	74	-17.04	162	165	H
2	* 2.38859	39.56	Pk	32.4	-11.6	0	60.36	-	-	74	-13.64	162	165	H
3	* 2.39	25.94	RMS	32.4	-11.6	-17	46.91	54	-7.09	-	-	162	165	H
4	* 2.38892	26.14	RMS	32.4	-11.6	-17	47.11	54	-6.89	-	-	162	165	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

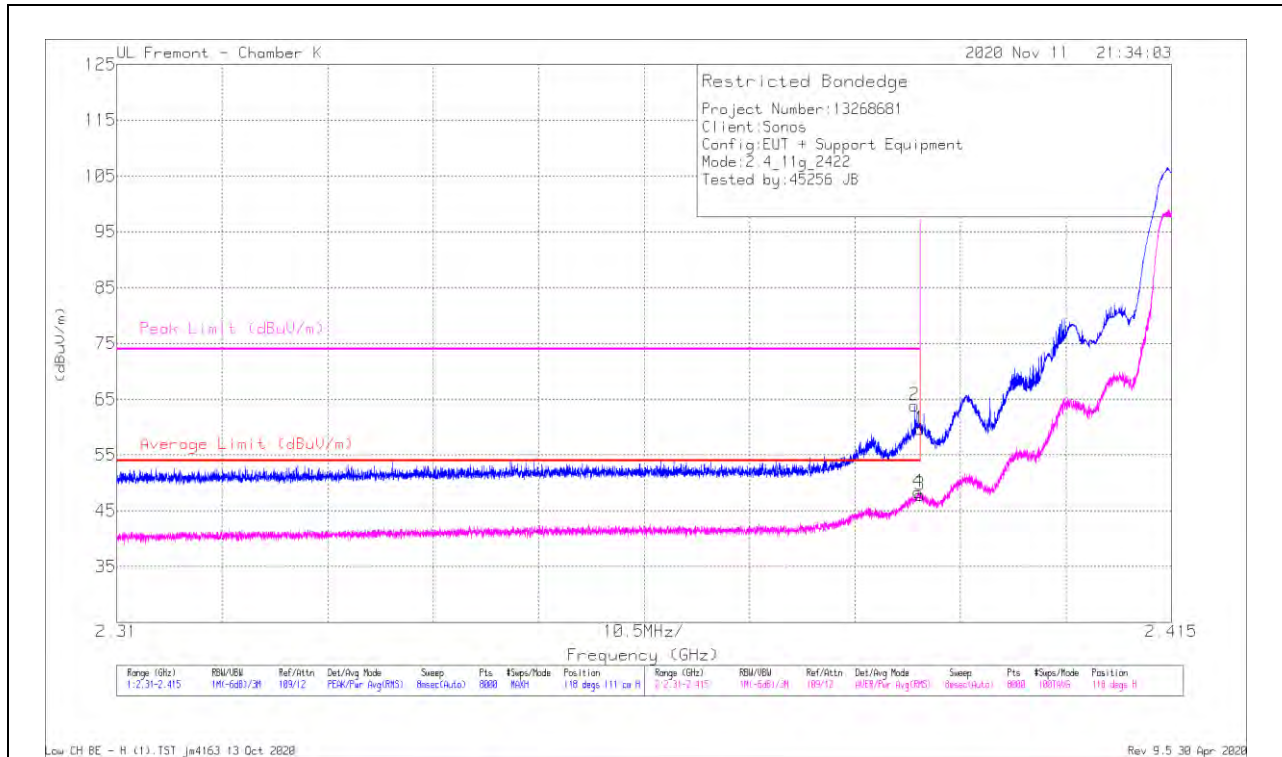


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1563 (dBm)	Amp/Clf/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.77	Pk	32.4	-11.6	0	63.57	-	-	74	-10.43	355	136	V
2	* 2.38876	43.8	Pk	32.4	-11.6	0	64.6	-	-	74	-9.4	355	136	V
3	* 2.39	27.93	RMS	32.4	-11.6	-17	48.9	54	-5.1	-	-	355	136	V
4	* 2.3896	29.96	RMS	32.4	-11.6	-17	50.93	54	-3.07	-	-	355	136	V

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

BANDEDGE (LOW CHANNEL, CH 3)

HORIZONTAL RESULT



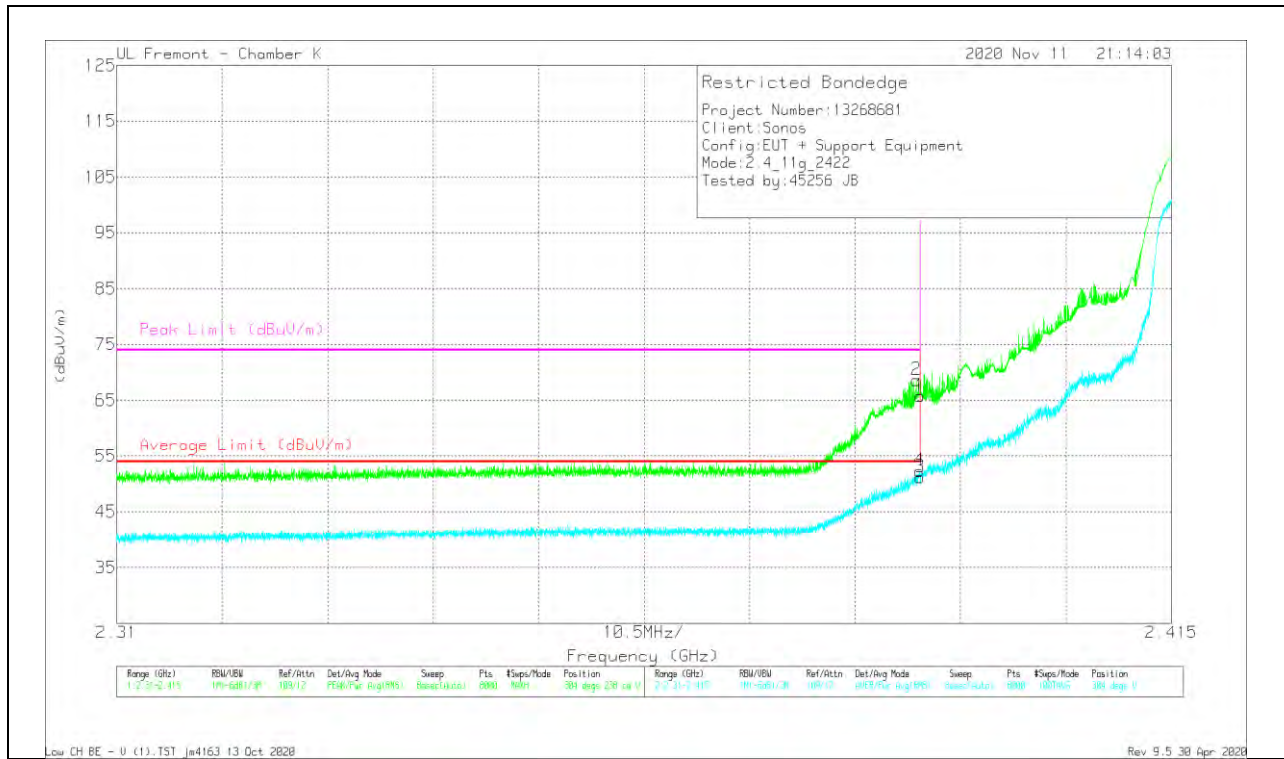
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.39	38.86	Pk	32.4	-11.6	0	59.86	-	-	74	-14.34	118	111	H
2	*2.38943	43.03	Pk	32.4	-11.6	0	63.63	-	-	74	-10.17	118	111	H
3	*2.39	26.88	RMS	32.4	-11.6	17	47.85	54	-6.15	-	-	118	111	H
4	*2.38979	27.32	RMS	32.4	-11.6	17	48.29	54	-5.71	-	-	118	111	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

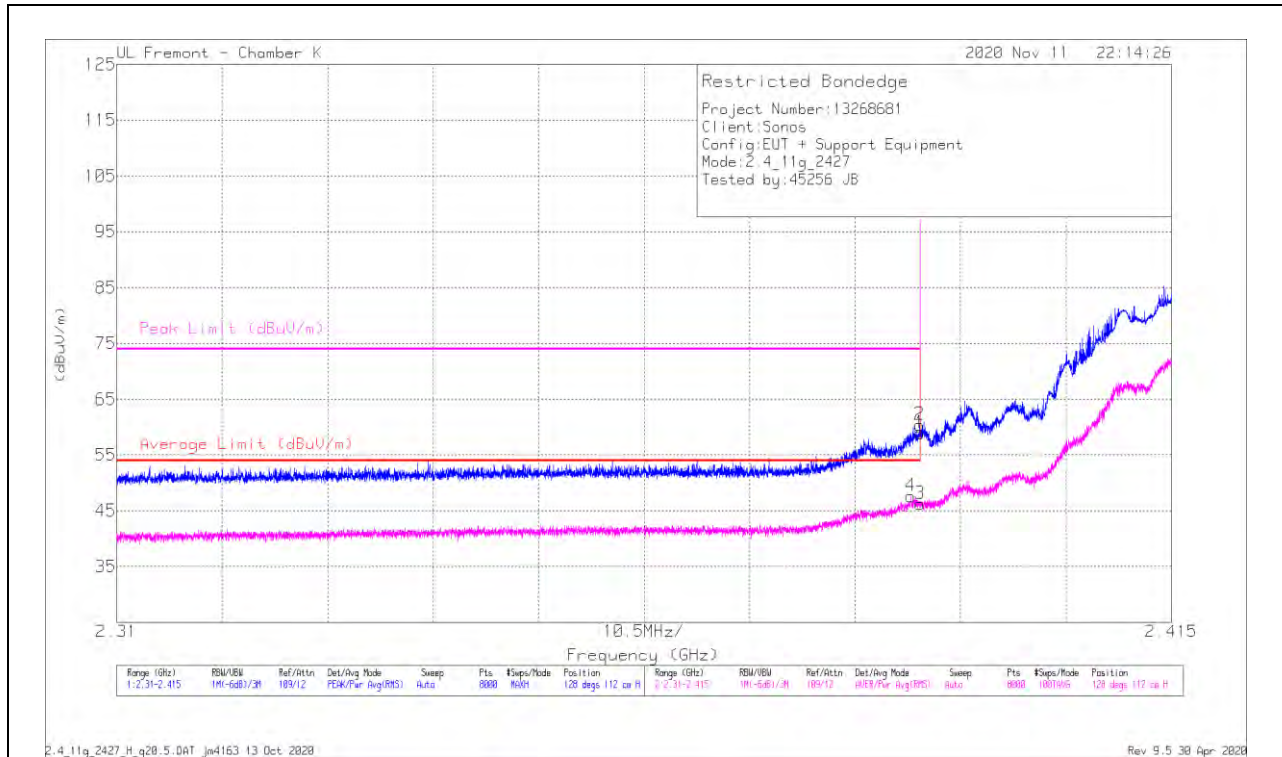


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1563 (dB/m)	Amp/Cliff/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.33	PK	32.4	-11.6	0	65.73	-	-	74	-8.27	304	238	V
2	* 2.38958	47.81	PK	32.4	-11.6	0	68.61	-	-	74	-5.39	304	238	V
3	* 2.39	30.24	RMS	32.4	-11.6	-17	51.21	54	-2.79	-	-	304	238	V
4	* 2.38992	31.34	RMS	32.4	-11.6	-17	52.31	54	-1.69	-	-	304	238	V

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

BANDEDGE (LOW CHANNEL, CH 4)

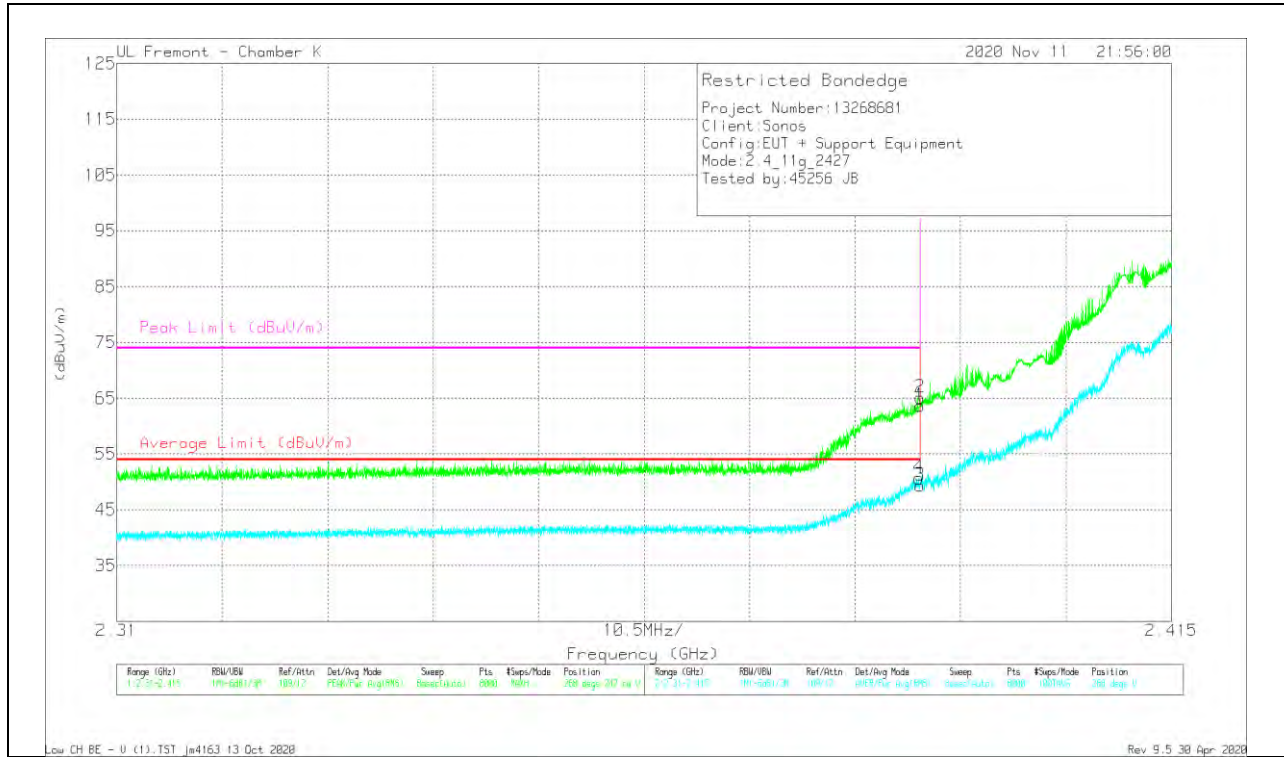
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filt/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	38.06	Pk	32.4	-11.6	0	58.86	-	-	74	-15.14	128	112	H
2	*2.38993	39.64	Pk	32.4	-11.6	0	60.44	-	-	74	-13.56	128	112	H
3	*2.39	25.22	RMS	32.4	-11.6	-17	46.19	54	-7.81	-	-	128	112	H
4	*2.38904	26.6	RMS	32.4	-11.6	-17	47.57	54	-6.43	-	-	128	112	H

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

VERTICAL RESULT

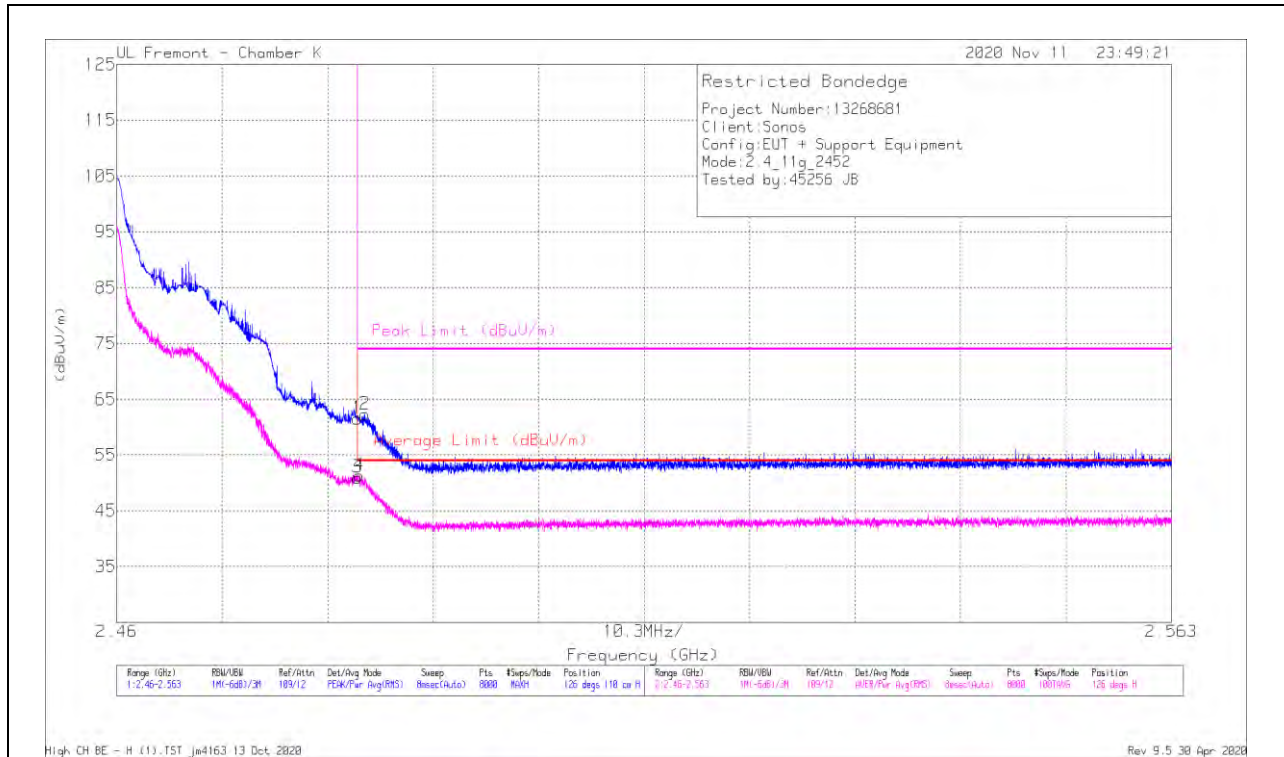


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1563 (dB/m)	Amp/Clf/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.81	Pk	32.4	-11.6	0	63.61	-	-	74	-10.39	268	242	V
2	* 2.38996	44.31	Pk	32.4	-11.6	0	65.11	-	-	74	-8.89	268	242	V
3	* 2.39	28.43	RMS	32.4	-11.6	-17	49.4	54	-4.6	-	-	268	242	V
4	* 2.38984	29.68	RMS	32.4	-11.6	-17	50.65	54	-3.35	-	-	268	242	V

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

BANDEDGE (HIGH CHANNEL, CH 9)

HORIZONTAL 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
1	*2.4835	40.18	PK	32.5	-11.2	0	61.48	-	-	74	-12.52	126	110	H
2	*2.48422	40.97	PK	32.5	-11.2	0	62.27	-	-	74	-11.73	126	110	H
3	*2.4835	29.47	RMS	32.5	-11.2	17	50.94	54	-3.06	-	-	126	110	H
4	*2.48368	28.88	RMS	32.5	-11.2	17	51.35	54	-2.65	-	-	126	110	H

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

VERTICAL RESULT

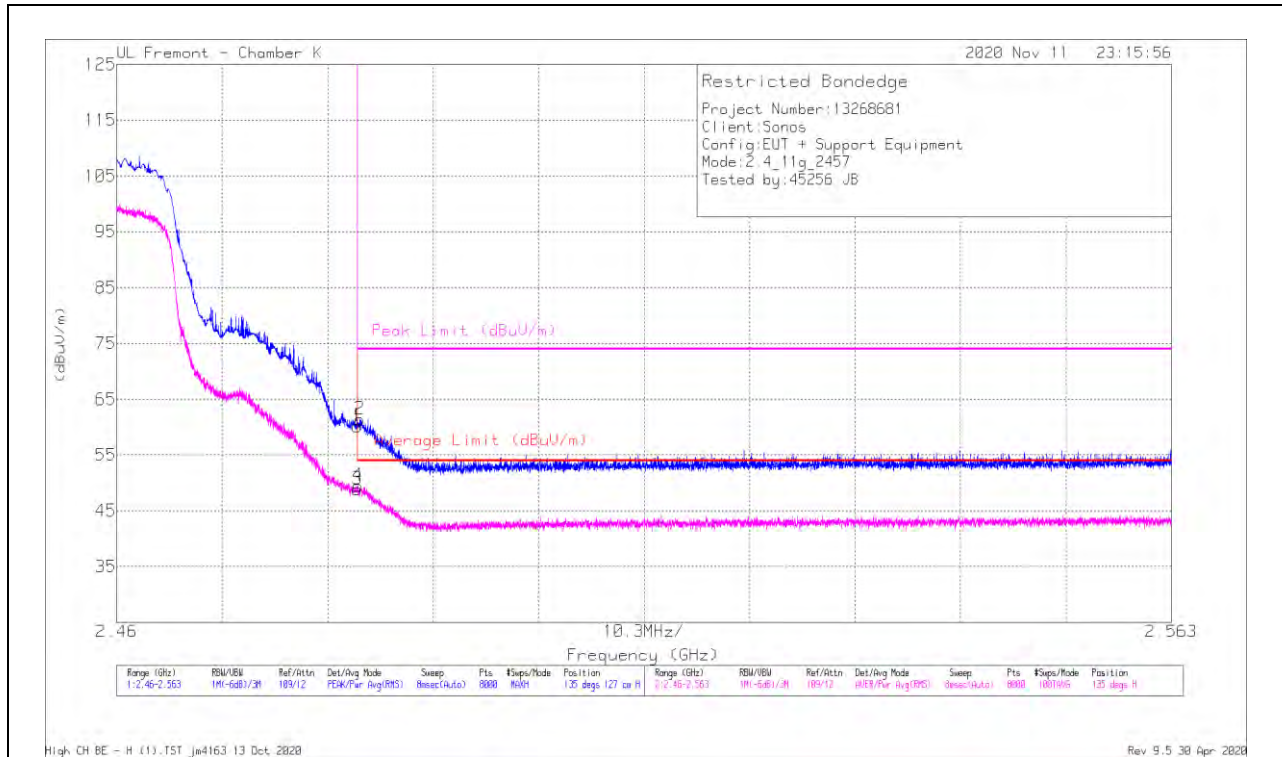


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1563 (dBm)	Amp/Clf/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	43.34	Pk	32.5	-11.2	0	54.54	-	-	74	-9.36	287	127	V
2	* 2.48391	44.16	Pk	32.5	-11.2	0	55.46	-	-	74	-8.54	287	127	V
3	* 2.4835	31.08	RMS	32.5	-11.2	-17	52.55	54	-1.45	-	-	287	127	V
4	* 2.48364	32.01	RMS	32.5	-11.2	-17	53.48	54	-52	-	-	287	127	V

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

BANDEGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



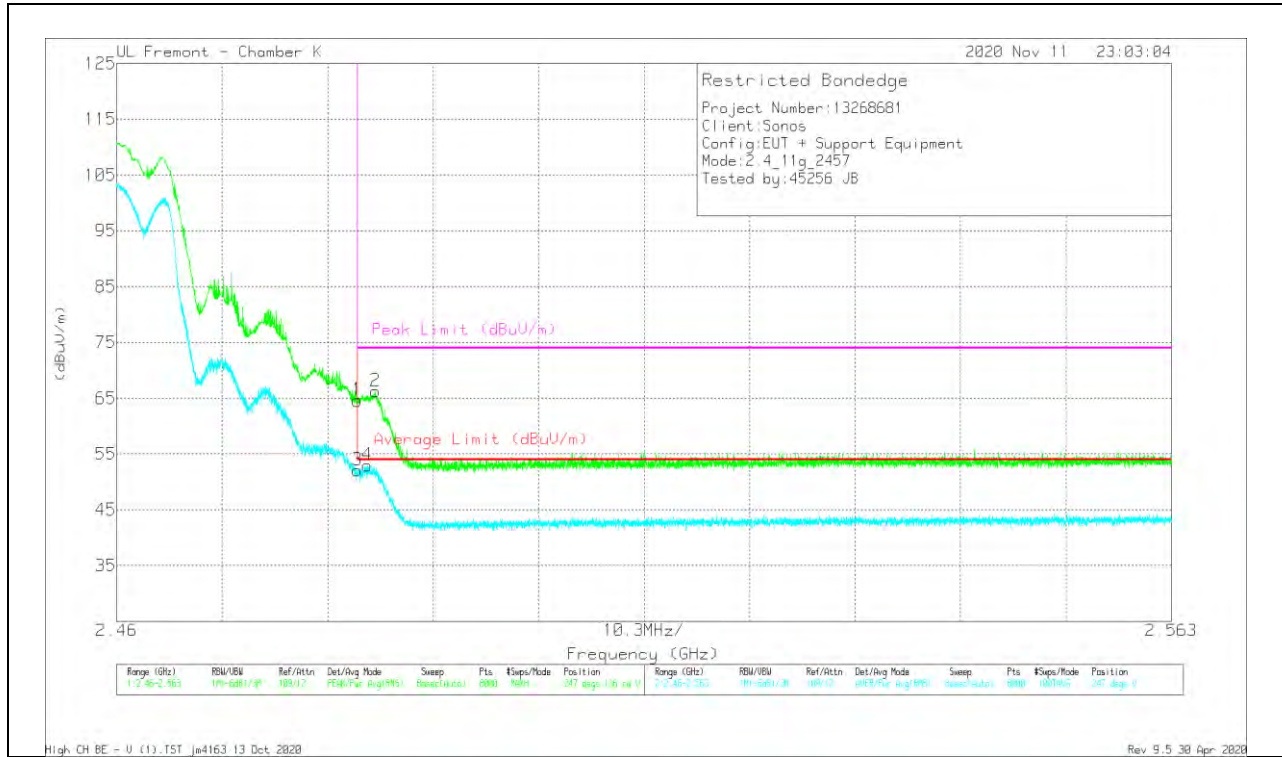
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	38.8	Pk	32.5	-11.2	0	60.1	-	-	74	-13.9	135	127	H
2	*2.48376	40.15	Pk	32.5	-11.2	0	61.45	-	-	74	-12.55	135	127	H
3	*2.4835	27.35	RMS	32.5	-11.2	-17	48.82	54	-5.18	-	-	135	127	H
4	*2.48354	28.02	RMS	32.5	-11.2	-17	49.49	54	-4.51	-	-	135	127	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

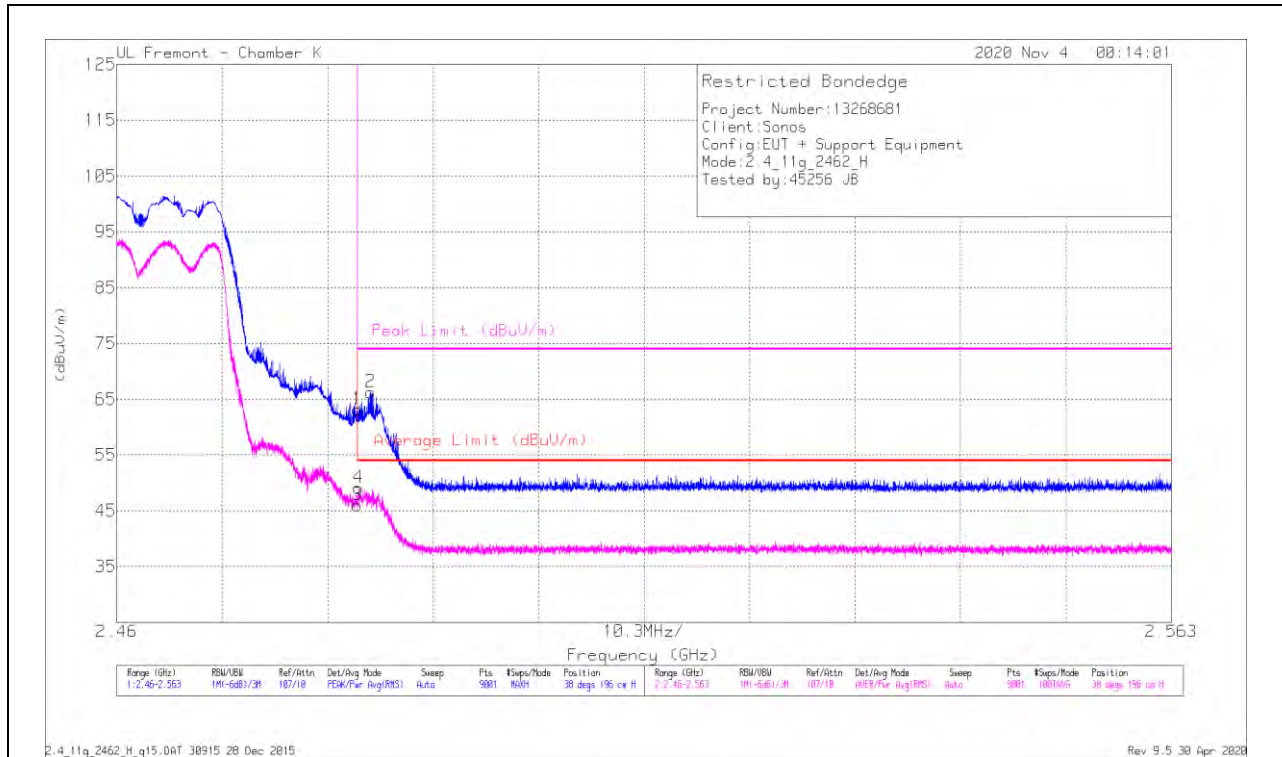


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1563 (dBm)	Amp/Cliff/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	43.27	Pk	32.5	-11.2	0	64.57	-	-	74	-9.43	247	136	V
2	* 2.48528	44.91	Pk	32.5	-11.2	0	66.21	-	-	74	-7.79	247	136	V
3	* 2.4835	30.57	RMS	32.5	-11.2	-17	52.04	54	-1.96	-	-	247	136	V
4	* 2.48445	31.47	RMS	32.5	-11.2	-17	52.94	54	-1.06	-	-	247	136	V

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

BANDEGE (HIGH CHANNEL, CH 11)

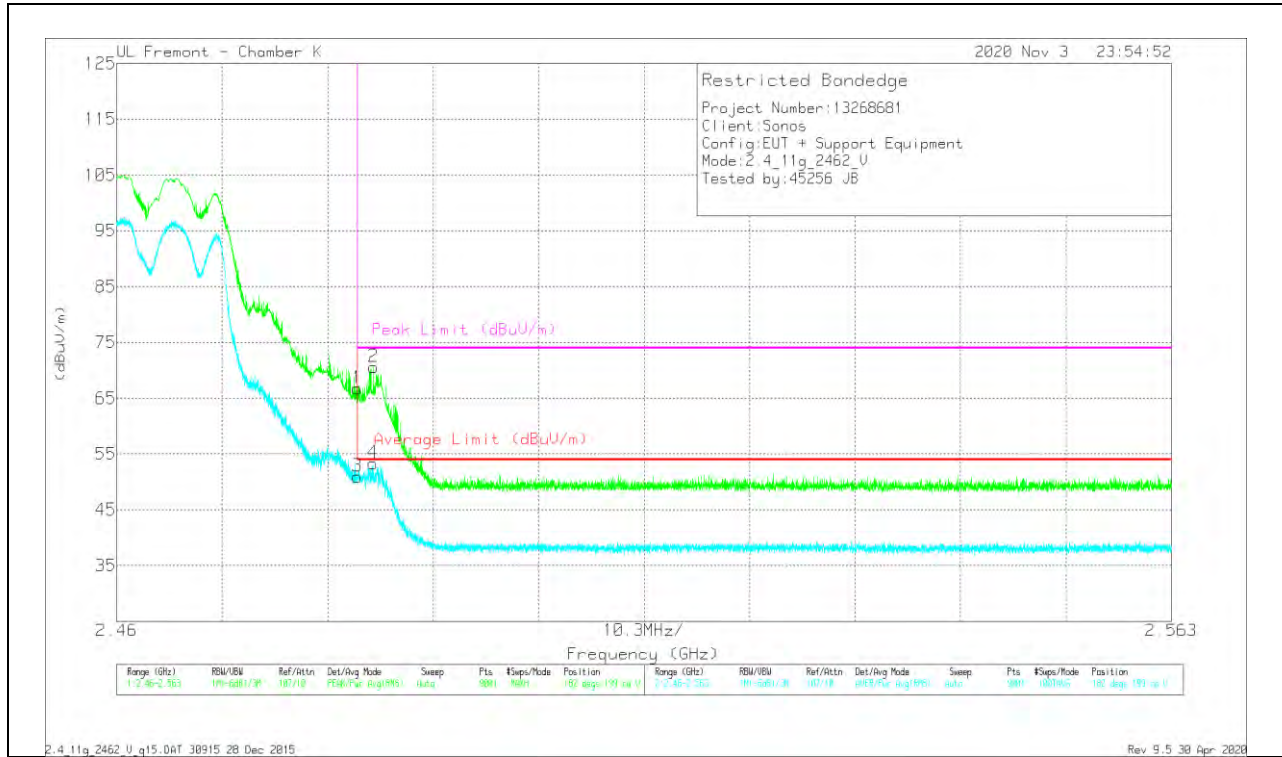
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filt/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	* 2.48351	65.24	Pk	32.5	-34.6	0	63.14	-	-	74	-10.86	38	196	H
2	* 2.48476	68.38	Pk	32.5	-34.6	0	66.28	-	-	74	-7.72	38	196	H
3	* 2.48351	47.93	RMS	32.5	-34.6	17	46	54	-8	-	-	38	196	H
4	* 2.48364	50.98	RMS	32.5	-34.6	17	49.05	54	-4.95	-	-	38	196	H

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

VERTICAL RESULT

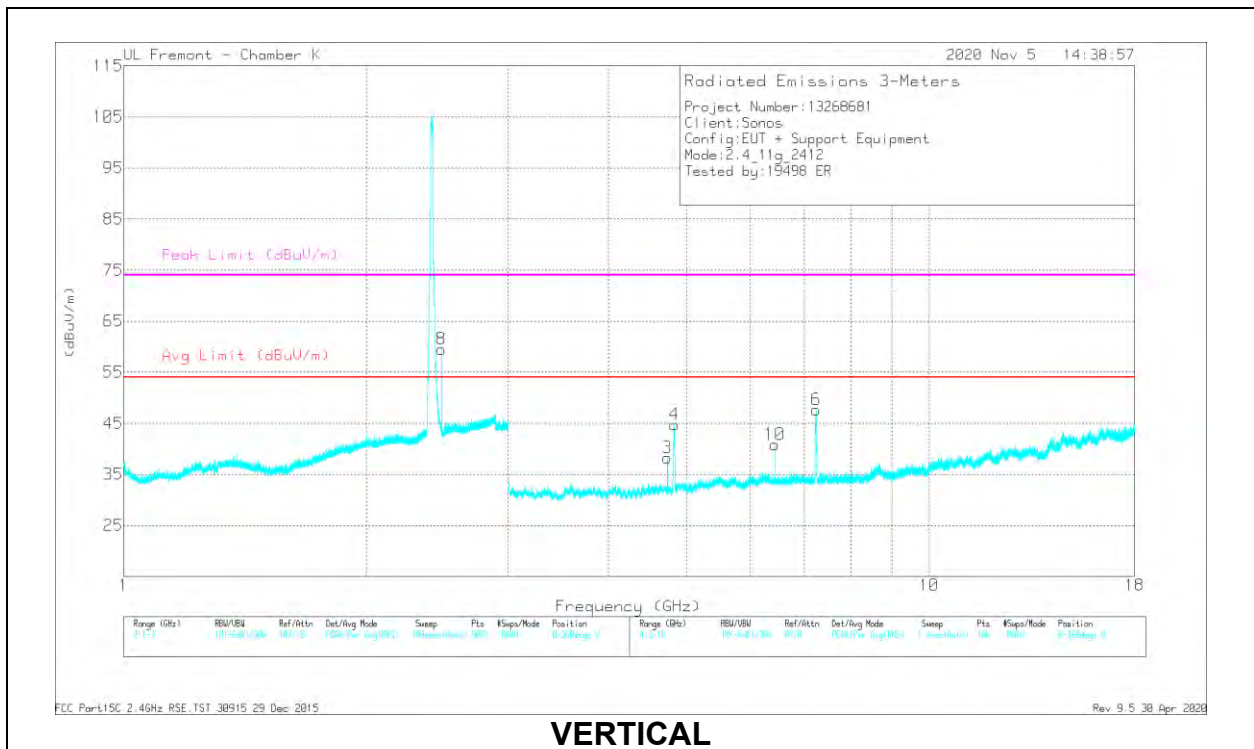
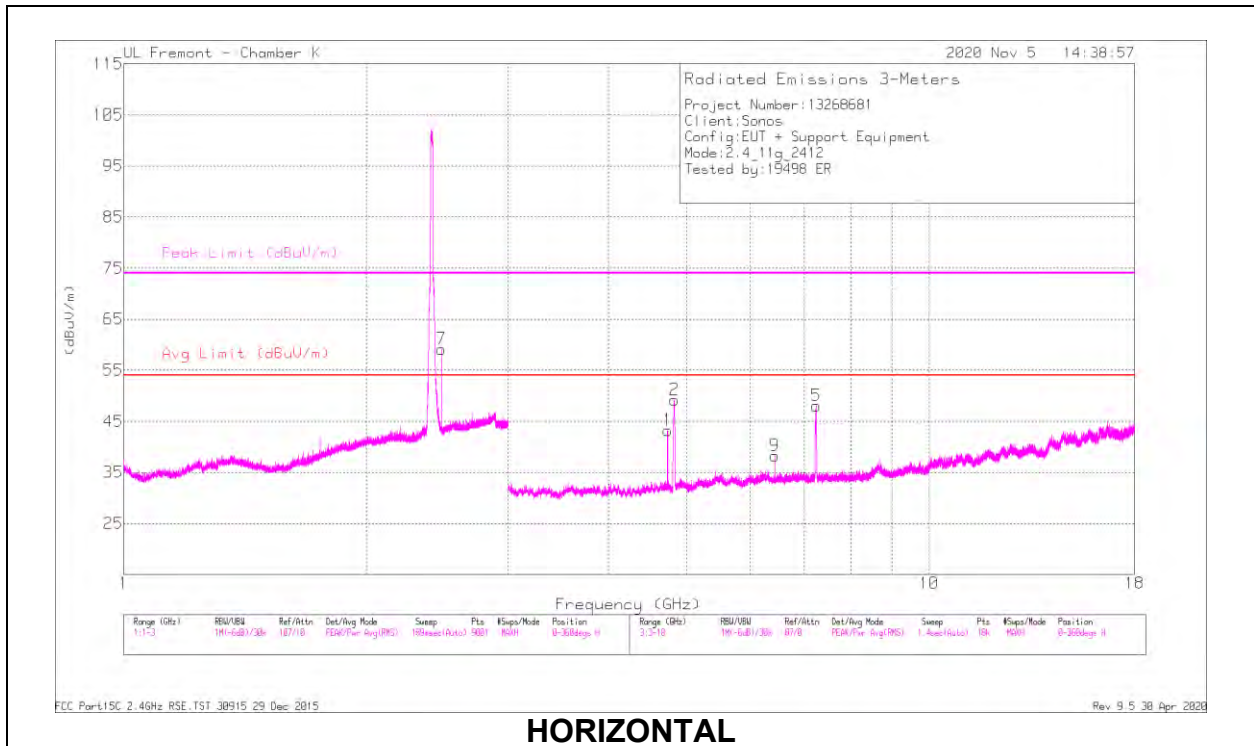


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dBm)	Amp/Cliff/In/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.48351	68.85	PK	32.5	-34.6	0	68.75	-	-	74	-7.25	182	199	V
2	*2.48508	72.83	PK	32.5	-34.7	0	70.83	-	-	74	-3.37	182	199	V
3	*2.48351	52.86	RMS	32.5	-34.6	-17	50.93	54	-3.07	-	-	182	199	V
4	*2.48503	55.3	RMS	32.5	-34.7	-17	53.27	54	-73	-	-	182	199	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

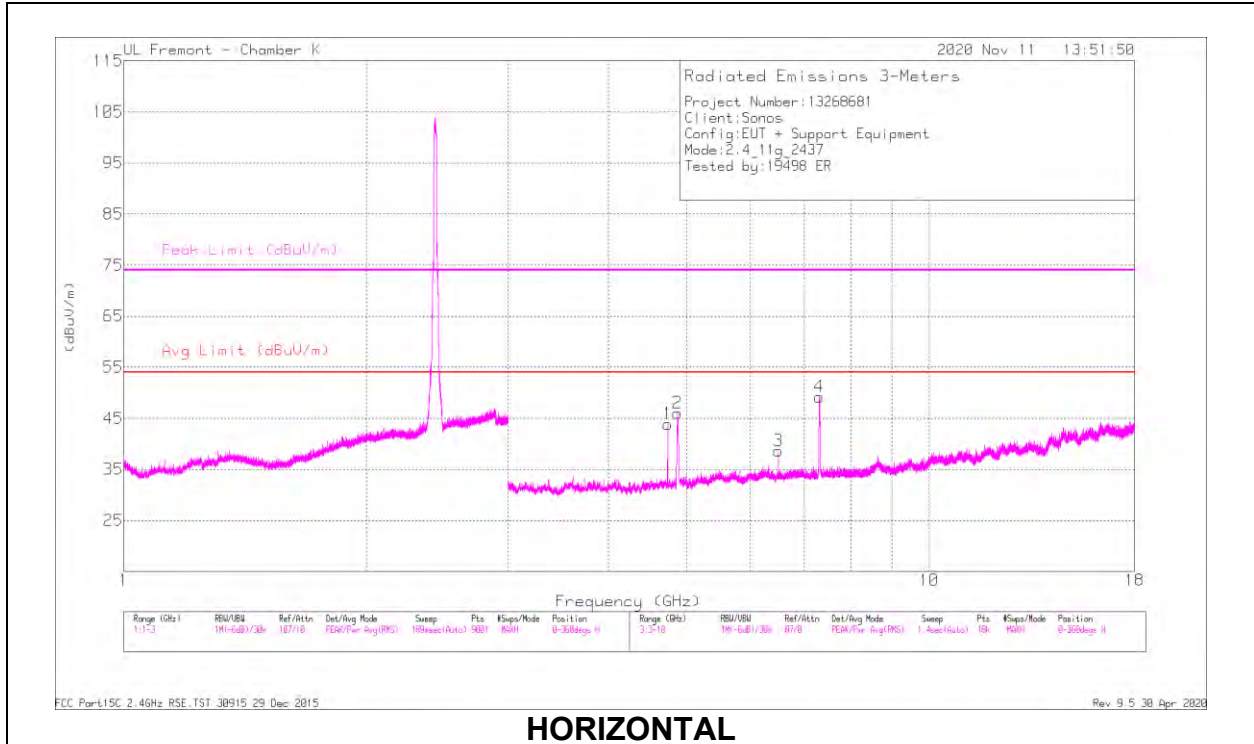
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82479	65.04	PK2	34.4	-40.6	0	58.84	-	-	74	-15.16	186	221	H
* 4.82194	53.69	MAv1	34.4	-40.6	.17	47.66	54	-6.34	-	-	186	221	H
* 4.73581	52.93	PK2	34.2	-41.2	0	45.93	-	-	74	-28.07	164	104	H
* 4.73583	49.46	MAv1	34.2	-41.2	.17	42.63	54	-11.37	-	-	164	104	H
7.23349	61.64	PK2	36.1	-38.7	0	59.04	-	-	-	-	236	106	H
* 4.73571	50.94	PK2	34.2	-41.2	0	43.94	-	-	74	-30.06	212	96	V
* 4.73582	44.51	MAv1	34.2	-41.2	.17	37.68	54	-16.32	-	-	212	96	V
* 4.8203	60.45	PK2	34.4	-40.7	0	54.15	-	-	74	-19.85	27	170	V
* 4.82378	48.61	MAv1	34.4	-40.6	.17	42.58	54	-11.42	-	-	27	170	V
7.23978	59.9	PK2	36	-38.6	0	57.3	-	-	-	-	54	102	V

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

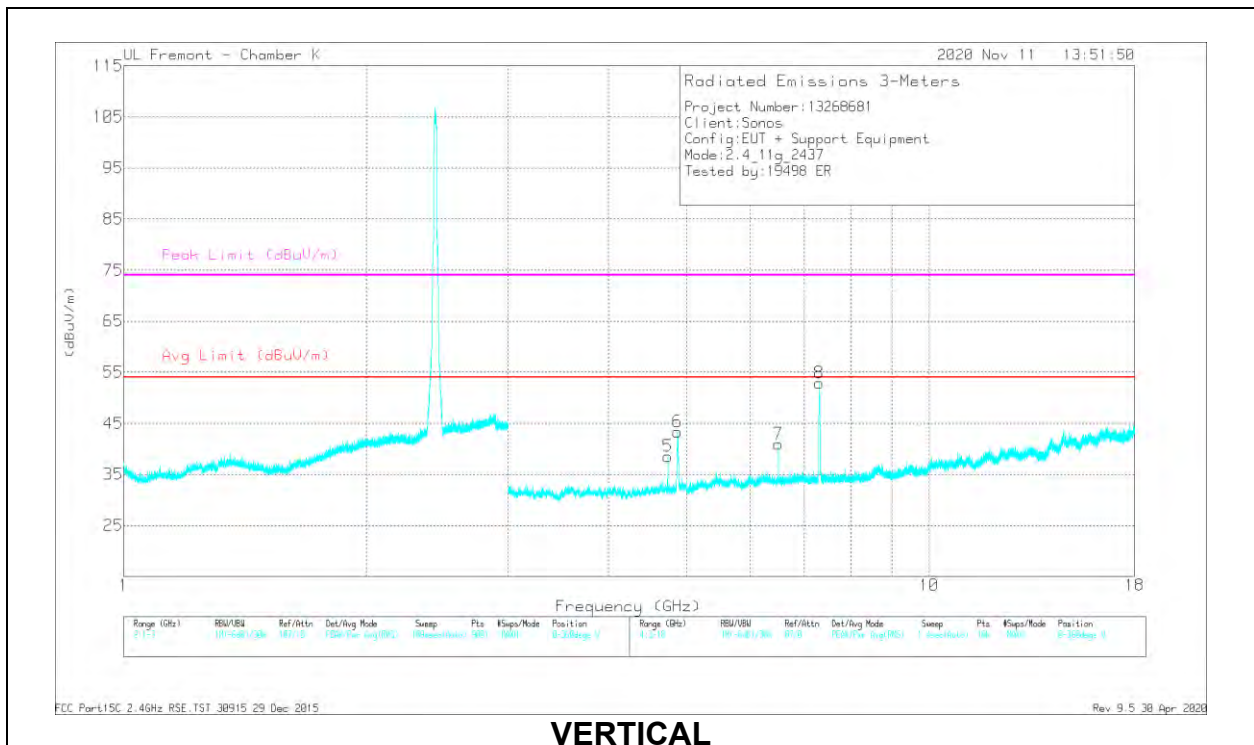
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



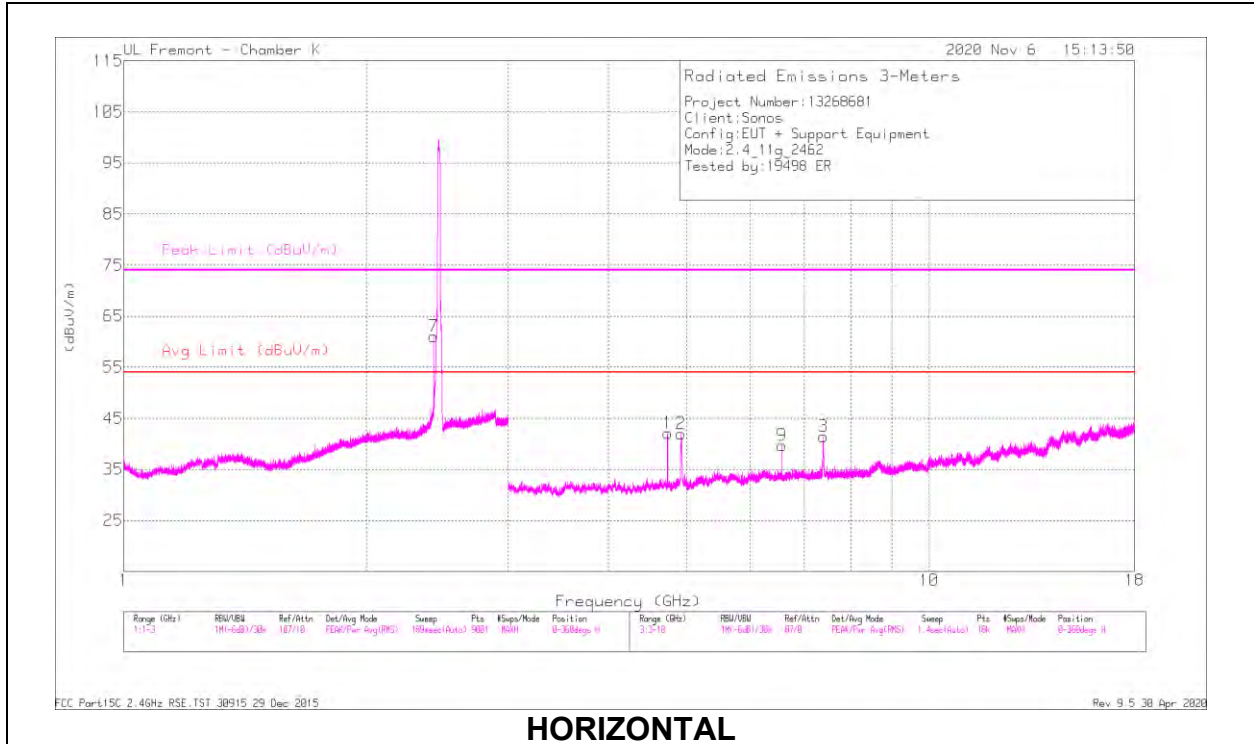
VERTICAL

RADIATED EMISSIONS

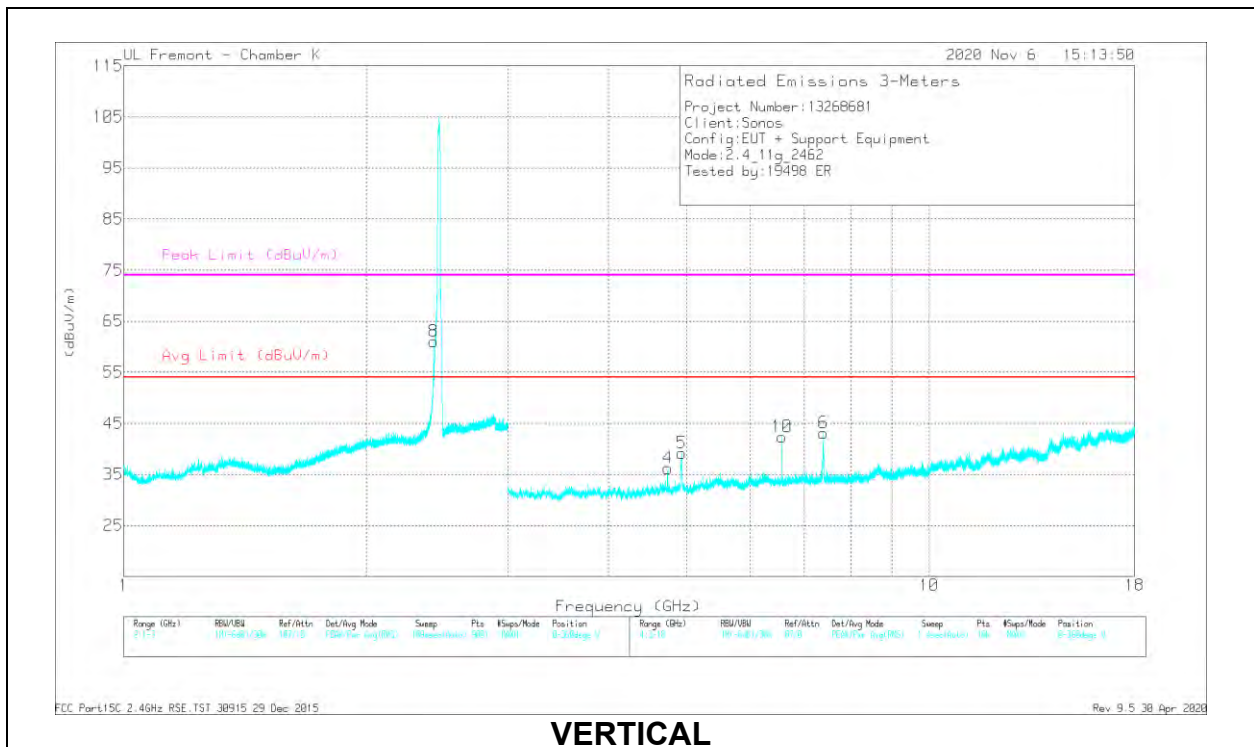
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.31631	65.13	PK2	36	-38.2	0	62.93	-	-	74	-11.07	235	103	H
* 7.31115	51.3	MAV1	36.1	-38.3	.17	49.27	54	-4.73	-	-	235	103	H
* 4.87681	62.96	PK2	34.4	-40.6	0	56.76	-	-	74	-17.24	274	177	H
* 4.87382	51.33	MAV1	34.4	-40.7	.17	45.2	54	-8.8	-	-	274	177	H
* 4.73608	52.41	PK2	34.2	-41.2	0	45.41	-	-	74	-28.59	232	98	H
* 4.73615	48.5	MAV1	34.2	-41.2	.17	41.67	54	-12.33	-	-	232	98	H
* 7.3164	64.79	PK2	36	-38.2	0	62.59	-	-	74	-11.41	309	210	V
* 7.30969	51.42	MAV1	36.1	-38.3	.17	49.39	54	-4.61	-	-	309	210	V
* 4.87105	57.77	PK2	34.3	-40.7	0	51.37	-	-	74	-22.63	284	189	V
* 4.87365	46.44	MAV1	34.4	-40.7	.17	40.31	54	-13.69	-	-	284	189	V
* 4.73636	51.14	PK2	34.2	-41.2	0	44.14	-	-	74	-29.86	323	402	V
* 4.73636	43.94	MAV1	34.2	-41.2	.17	37.11	54	-16.89	-	-	323	402	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 T863 (dB/m)	Amp/Cb/Filtr/ Pad (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
* 4.73605	54.73	PK2	34.2	-41.2	0	47.73	-	-	74	-26.27	187	110	H
* 4.73595	50.03	MAV1	34.2	-41.2	.17	43.2	54	-10.8	-	-	187	110	H
* 4.92578	60.14	PK2	34.4	-40.7	0	53.84	-	-	74	-20.16	145	141	H
* 4.92626	48.2	MAV1	34.4	-40.7	.17	42.07	54	-11.93	-	-	145	141	H
* 7.38986	56.41	PK2	36	-38	0	54.41	-	-	74	-19.59	124	102	H
* 7.39489	43.23	MAV1	36	-38	.17	41.4	54	-12.6	-	-	124	102	H
* 4.73595	50.37	PK2	34.2	-41.2	0	43.37	-	-	74	-30.63	314	348	V
* 4.73591	42.95	MAV1	34.2	-41.2	.17	36.12	54	-17.88	-	-	314	348	V
* 4.92054	56.49	PK2	34.3	-40.7	0	50.09	-	-	74	-23.91	168	358	V
* 4.92502	44.57	MAV1	34.4	-40.7	.17	38.44	54	-15.56	-	-	168	358	V
* 7.38977	55.49	PK2	36	-38	0	53.49	-	-	74	-20.51	114	116	V
* 7.38929	42.26	MAV1	36	-38	.17	40.43	54	-13.57	-	-	114	116	V

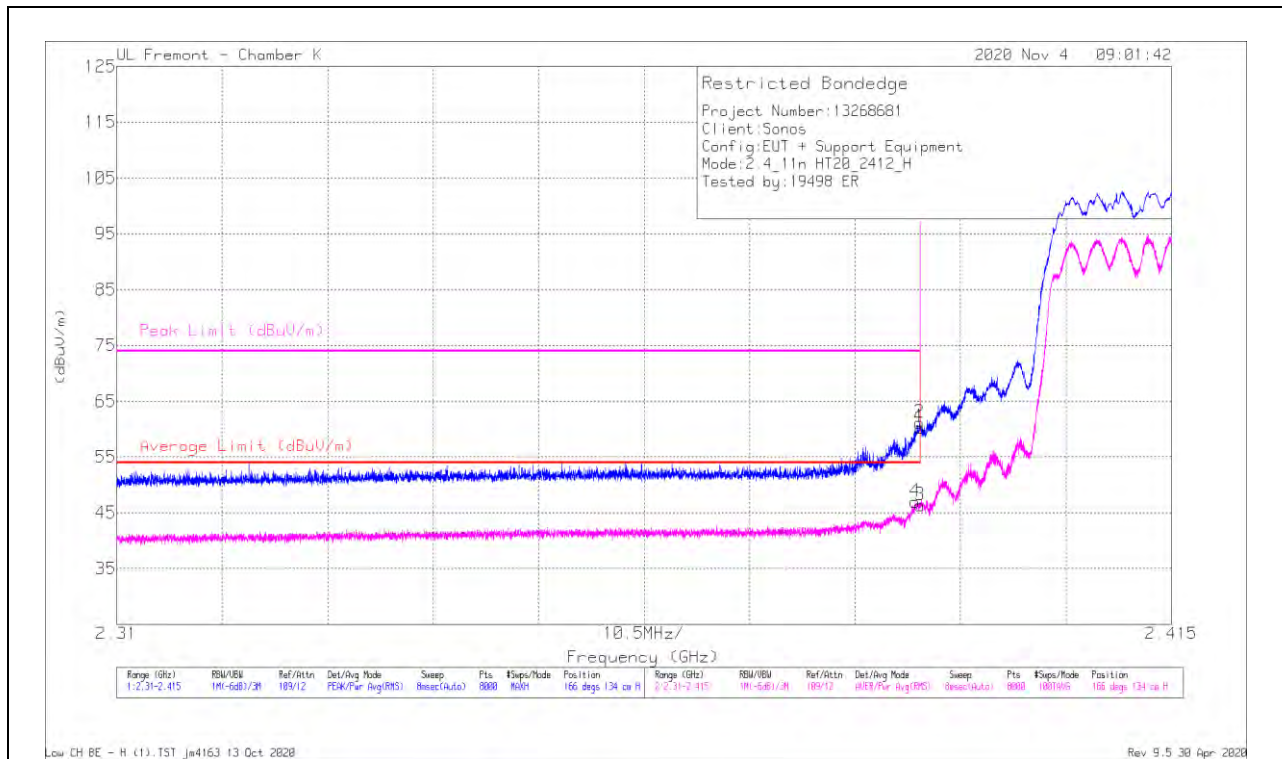
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAV1 - KDB558074 Option 1 Maximum RMS Average

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

2TX Chain 0 + Chain 1

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



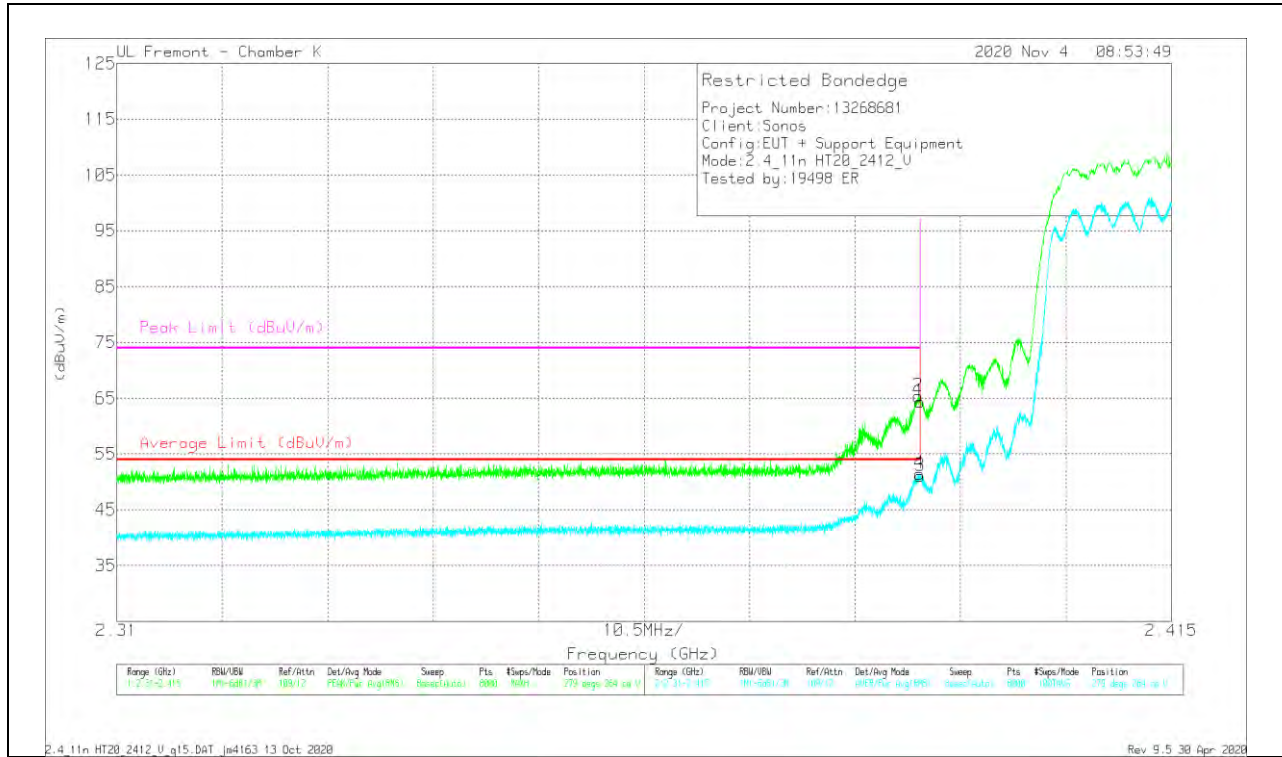
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/CD/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.54	Pk	32.4	-11.6	0	60.34	-	-	74	-13.66	166	134	H
2	* 2.38993	40.3	Pk	32.4	-11.6	0	61.1	-	-	74	-12.9	166	134	H
3	* 2.39	25.42	RMS	32.4	-11.6	-18	46.4	54	-7.6	-	-	166	134	H
4	* 2.3895	26.03	RMS	32.4	-11.6	-18	47.01	54	-6.99	-	-	166	134	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

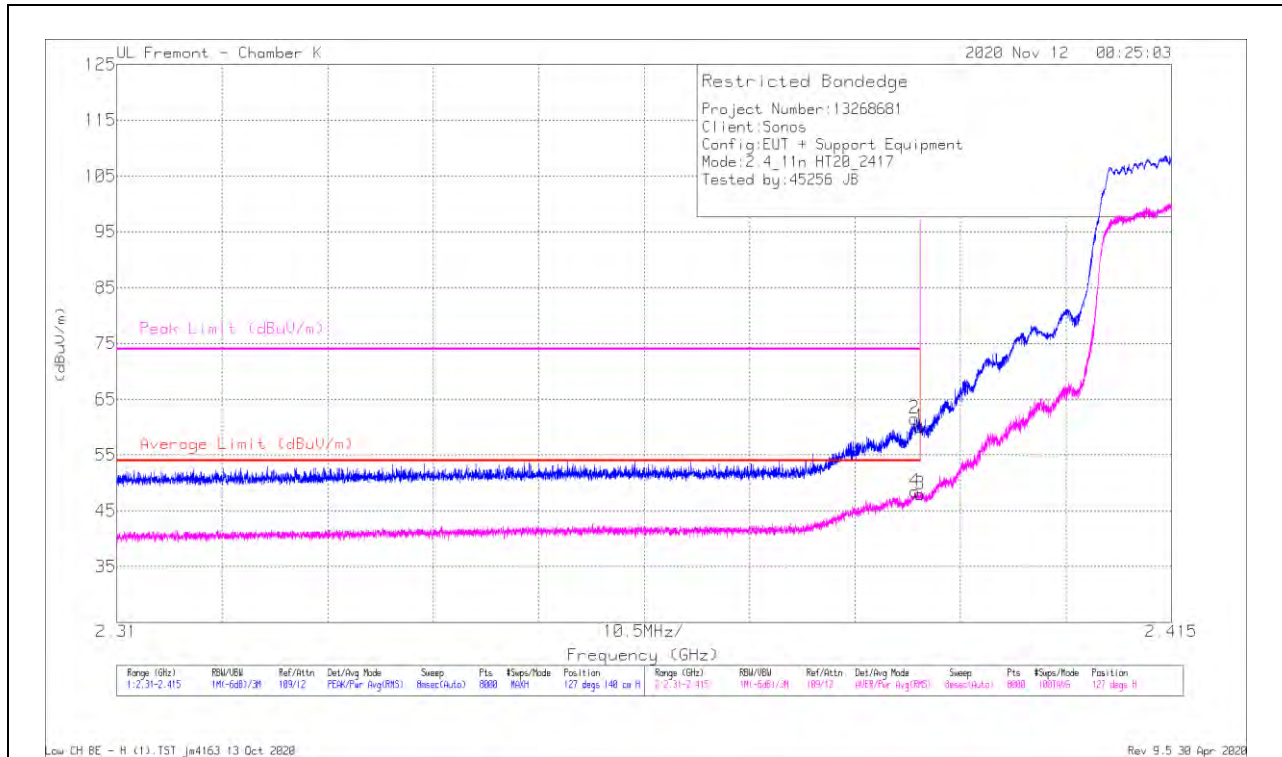


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1563 (dB/m)	Amp/Cliff/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.6	PK	32.4	-11.6	0	54.4	-	-	74	-9.6	279	264	V
2	* 2.38981	44.59	PK	32.4	-11.6	0	65.39	-	-	74	-8.61	279	264	V
3	* 2.39	30.05	RMS	32.4	-11.6	-18	51.03	54	-2.97	-	-	279	264	V
4	* 2.38994	30.52	RMS	32.4	-11.6	-18	51.5	54	-2.5	-	-	279	264	V

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

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT



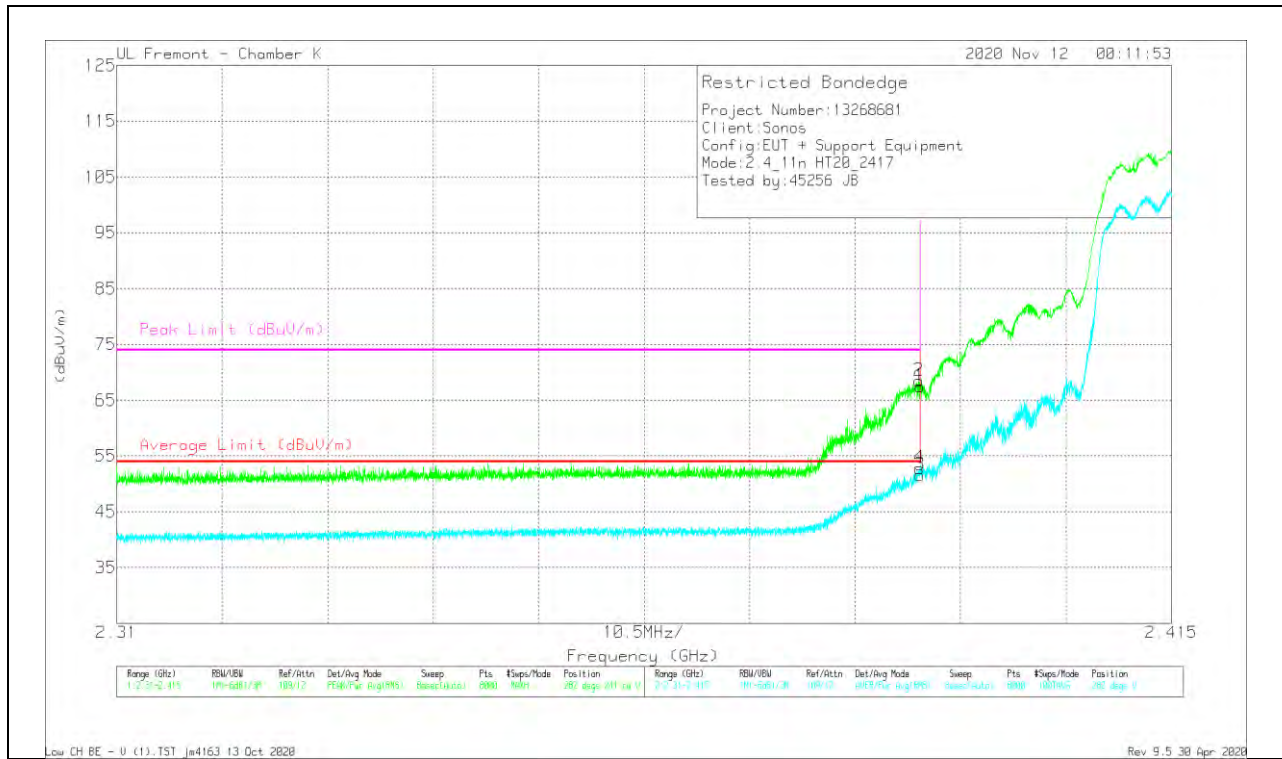
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cou/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.23	Pk	32.4	-11.6	0	60.03	-	-	74	-13.97	127	140	H
2	* 2.38939	40.69	Pk	32.4	-11.6	0	61.49	-	-	74	-12.51	127	140	H
3	* 2.39	27.03	RMS	32.4	-11.6	18	48.01	54	-5.99	-	-	127	140	H
4	* 2.3895	27.53	RMS	32.4	-11.6	18	48.51	54	-5.49	-	-	127	140	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

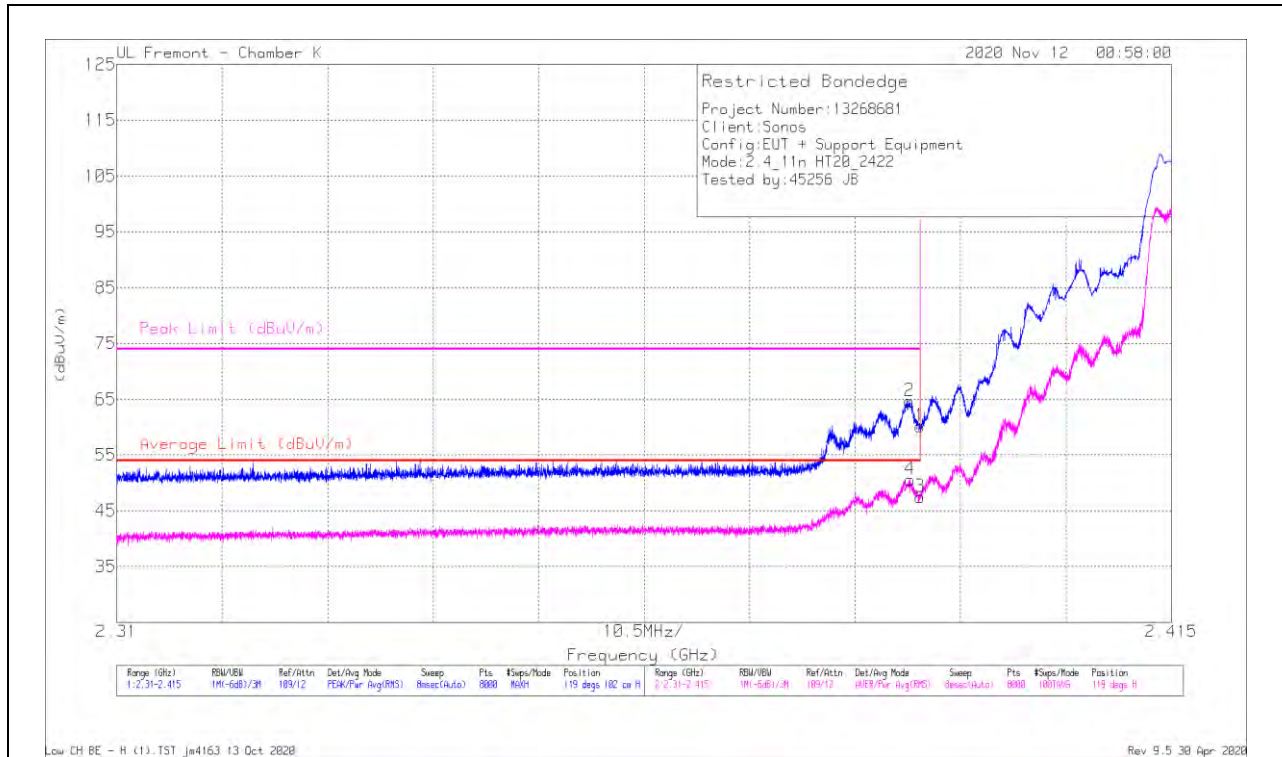


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1563 (dB/m)	Amp/Clf/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	46.69	PK	32.4	-11.6	0	67.49	-	-	74	-6.51	282	241	V
2	* 2.38985	47.64	PK	32.4	-11.6	0	68.44	-	-	74	-5.56	282	241	V
3	* 2.39	30.56	RMS	32.4	-11.6	-18	51.54	54	-2.46	-	-	282	241	V
4	* 2.38989	31.81	RMS	32.4	-11.6	-18	52.79	54	-1.21	-	-	282	241	V

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

BANDEDGE (LOW CHANNEL, CH 3)

HORIZONTAL RESULT



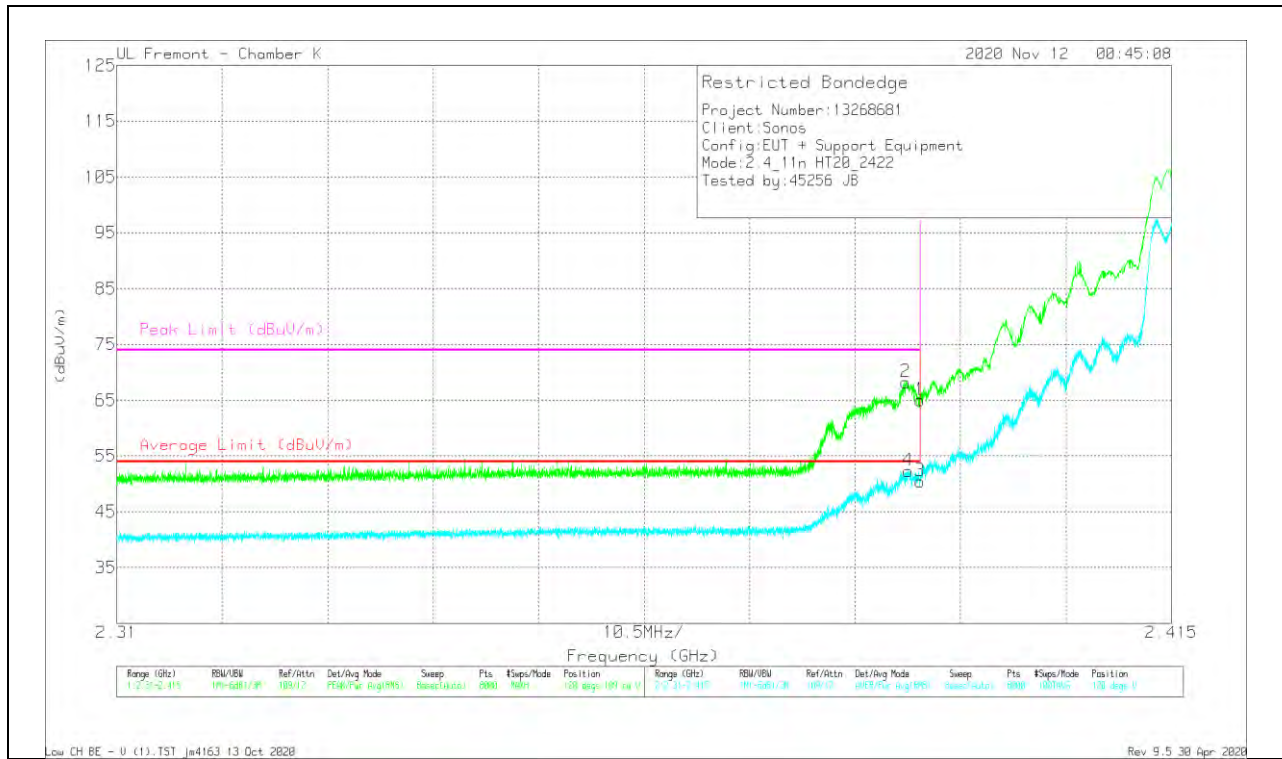
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cou/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.39	39.34	Pk	32.4	-11.6	0	60.14	-	-	74	-13.86	119	102	H
2	*2.38895	43.86	Pk	32.4	-11.6	0	64.66	-	-	74	-9.34	119	102	H
3	*2.39	26.46	RMS	32.4	-11.6	18	47.44	54	-6.56	-	-	119	102	H
4	*2.38897	29.56	RMS	32.4	-11.6	18	50.54	54	-3.46	-	-	119	102	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

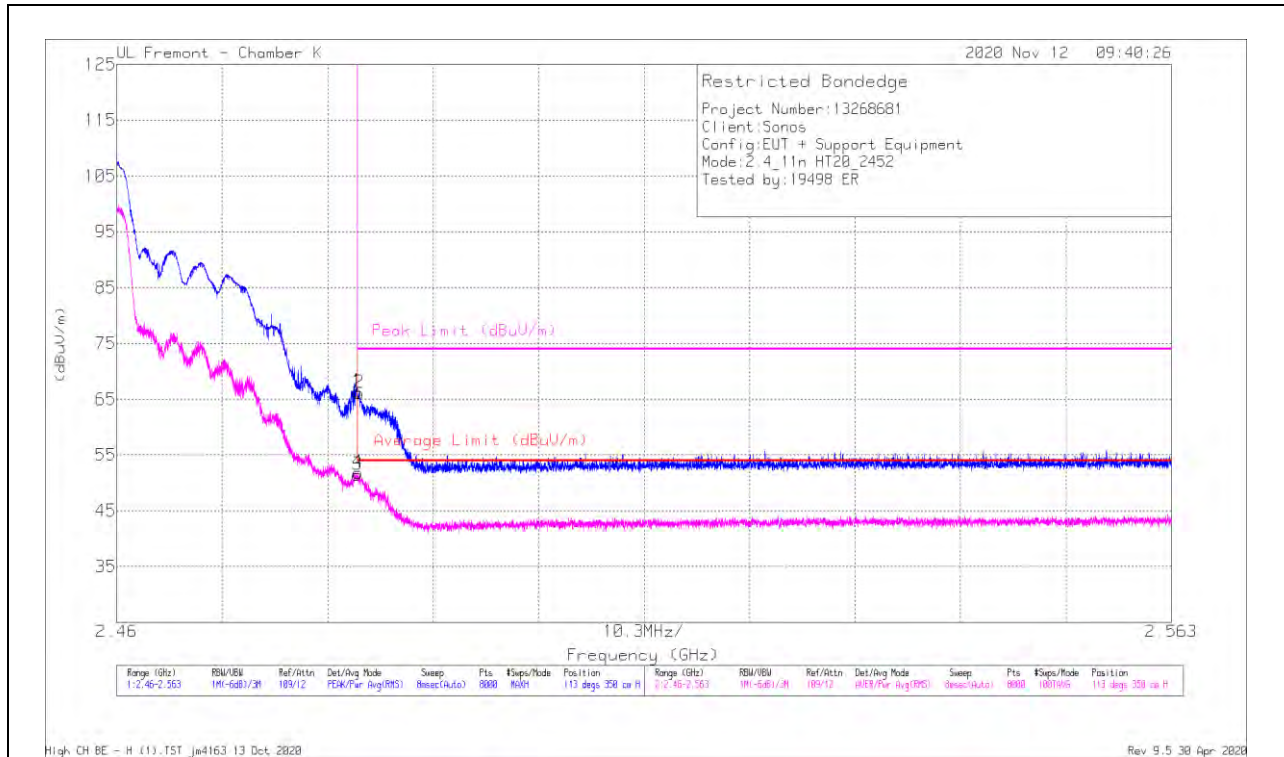


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1563 (dB/m)	Amp/Cliff/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.15	PK	32.4	-11.6	0	64.95	-	-	74	-9.05	120	109	V
2	* 2.38857	47.47	PK	32.4	-11.6	0	68.27	-	-	74	-5.73	120	109	V
3	* 2.39	29.53	RMS	32.4	-11.6	-18	50.51	54	-3.49	-	-	120	109	V
4	* 2.38881	31.4	RMS	32.4	-11.6	-18	52.38	54	-1.62	-	-	120	109	V

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

BANDEDGE (HIGH CHANNEL, CH 9)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filr/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	45.12	PK	32.5	-11.2	0	66.42	-	-	74	-7.58	113	350	H
2	*2.48359	44.78	PK	32.5	-11.2	0	66.08	-	-	74	-7.92	113	350	H
3	*2.4835	29.95	RMS	32.5	-11.2	18	51.43	54	-2.57	-	-	113	350	H
4	*2.48355	30.35	RMS	32.5	-11.2	18	51.83	54	-2.17	-	-	113	350	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

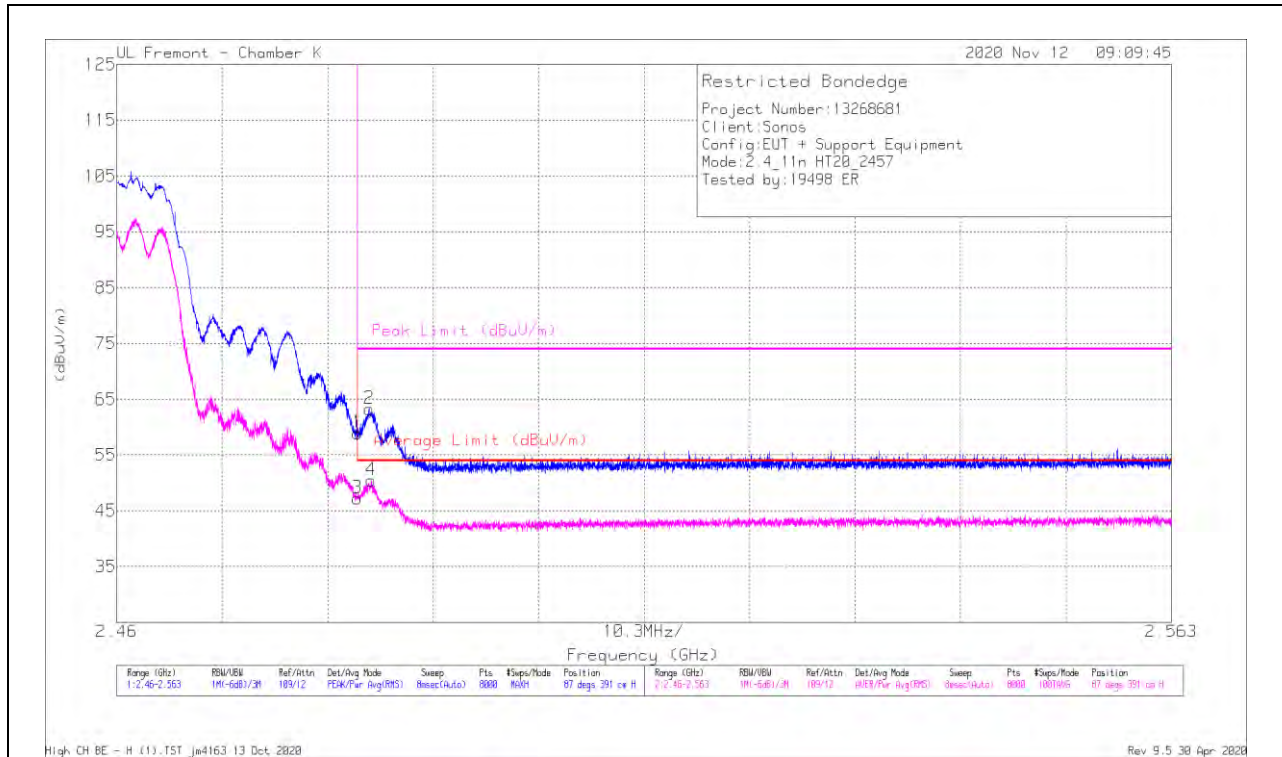


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1563 (dBm)	Amp/Clf/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	44.38	PK	32.5	-11.2	0	65.68	-	-	74	-8.32	64	107	V
2	* 2.48353	44.87	PK	32.5	-11.2	0	66.17	-	-	74	-7.83	64	107	V
3	* 2.4835	29.11	RMS	32.5	-11.2	-18	50.59	54	-3.41	-	-	64	107	V
4	* 2.48377	29.71	RMS	32.5	-11.2	-18	51.19	54	-2.81	-	-	64	107	V

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

BANDEGE (HIGH CHANNEL, CH 10)

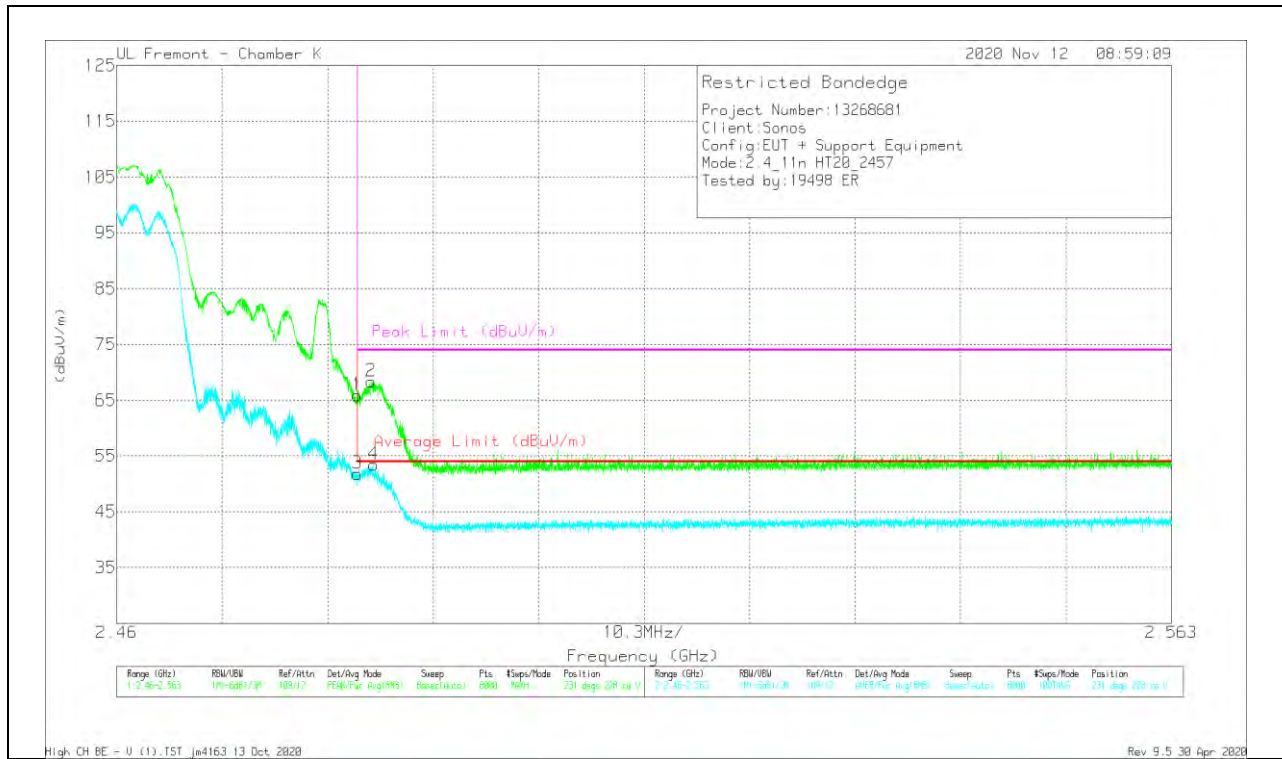
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filt/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	37.66	Pk	32.5	-11.2	0	58.96	-	-	74	-15.04	87	391	H
2	*2.48465	41.98	Pk	32.5	-11.2	0	63.28	-	-	74	-10.72	87	391	H
3	*2.4835	29.78	RMS	32.5	-11.2	18	47.26	54	-6.74	-	-	87	391	H
4	*2.48485	28.96	RMS	32.5	-11.2	18	50.44	54	-3.56	-	-	87	391	H

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBu)	Det	AF 1563 (dBm)	Amp/Cliff/Pad (dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	44.55	Pk	32.5	-11.2	0	65.85	-	-	74	-8.15	231	228	V
2	* 2.48483	47	Pk	32.5	-11.2	0	66.3	-	-	74	-5.7	231	228	V
3	* 2.4835	30.33	RMS	32.5	-11.2	-18	51.81	54	-2.19	-	-	231	228	V
4	* 2.4851	31.96	RMS	32.5	-11.2	-18	53.44	54	-56	-	-	231	228	V

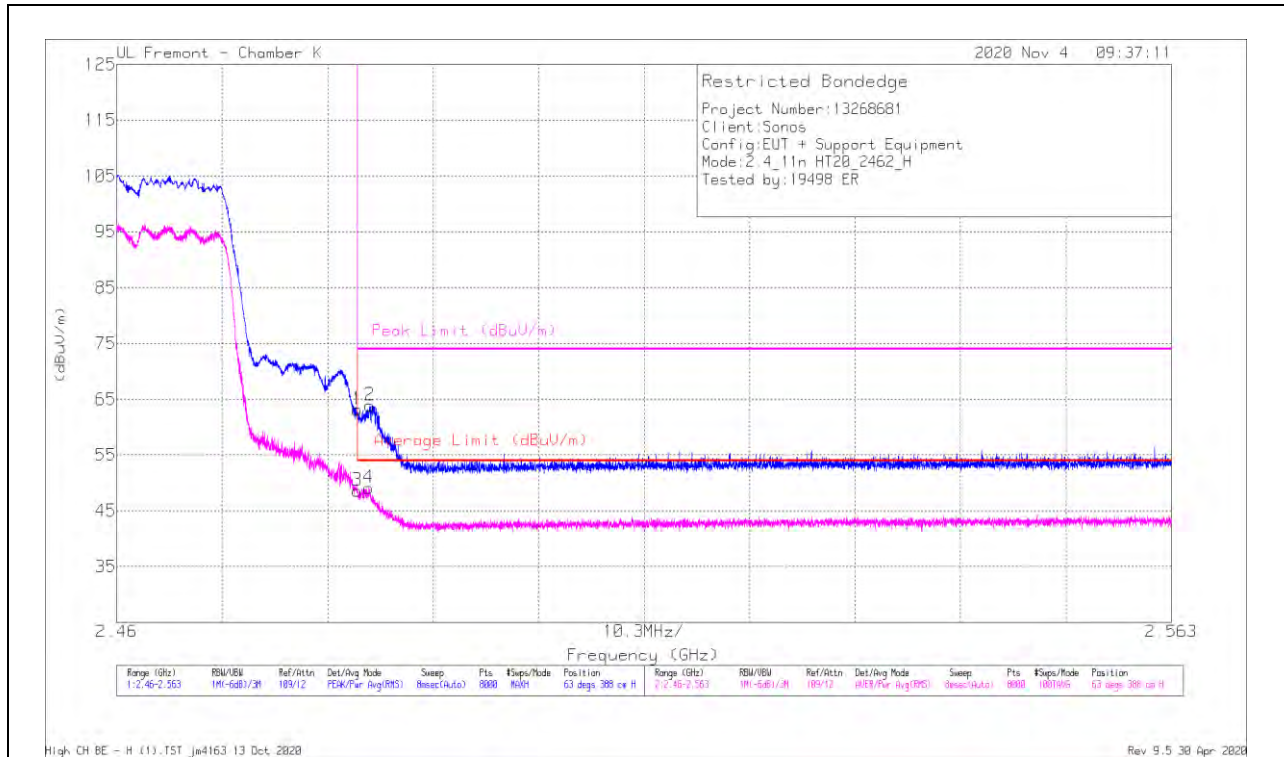
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 11)

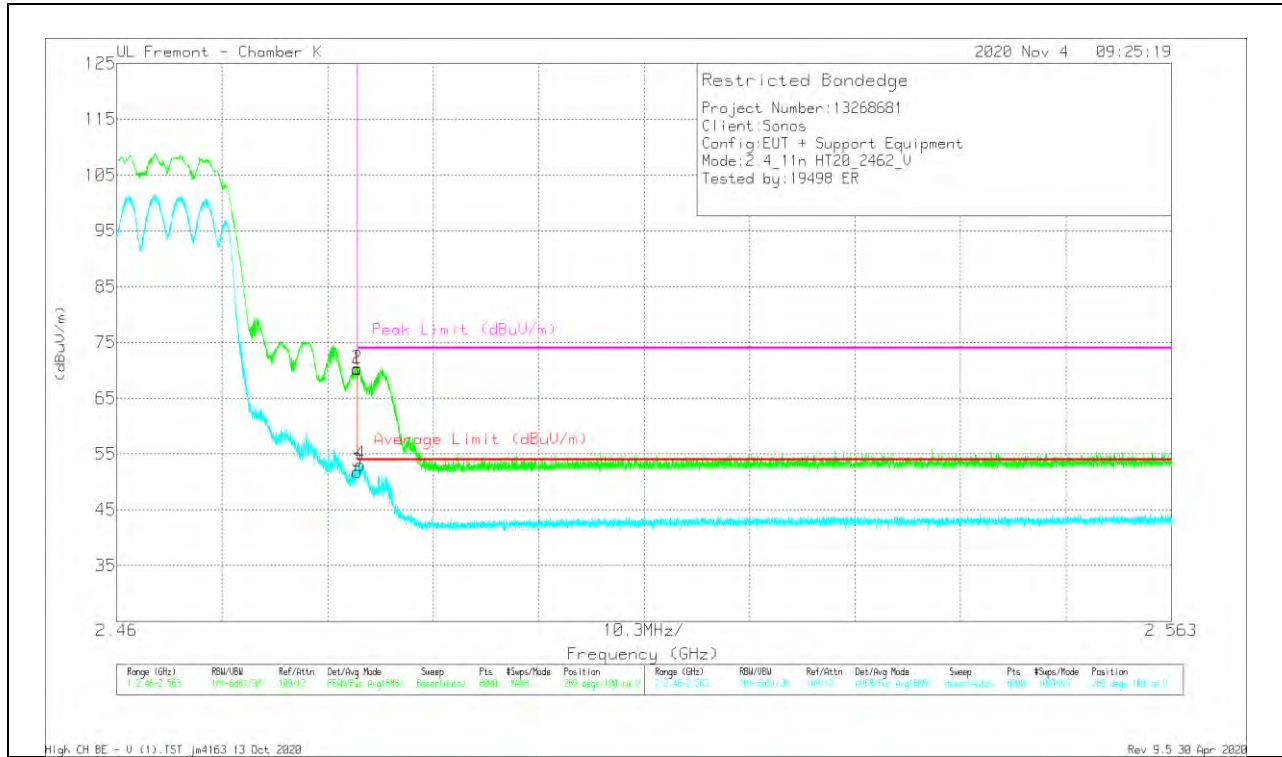
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filt/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	41.89	Pk	32.5	-11.2	0	63.19	-	-	74	-10.81	63	388	H
2	*2.48471	42.55	Pk	32.5	-11.2	0	63.85	-	-	74	-10.15	63	388	H
3	*2.4835	27.06	RMS	32.5	-11.2	18	48.54	54	-5.46	-	-	63	388	H
4	*2.48462	27.65	RMS	32.5	-11.2	18	49.13	54	-4.87	-	-	63	388	H

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

VERTICAL RESULT

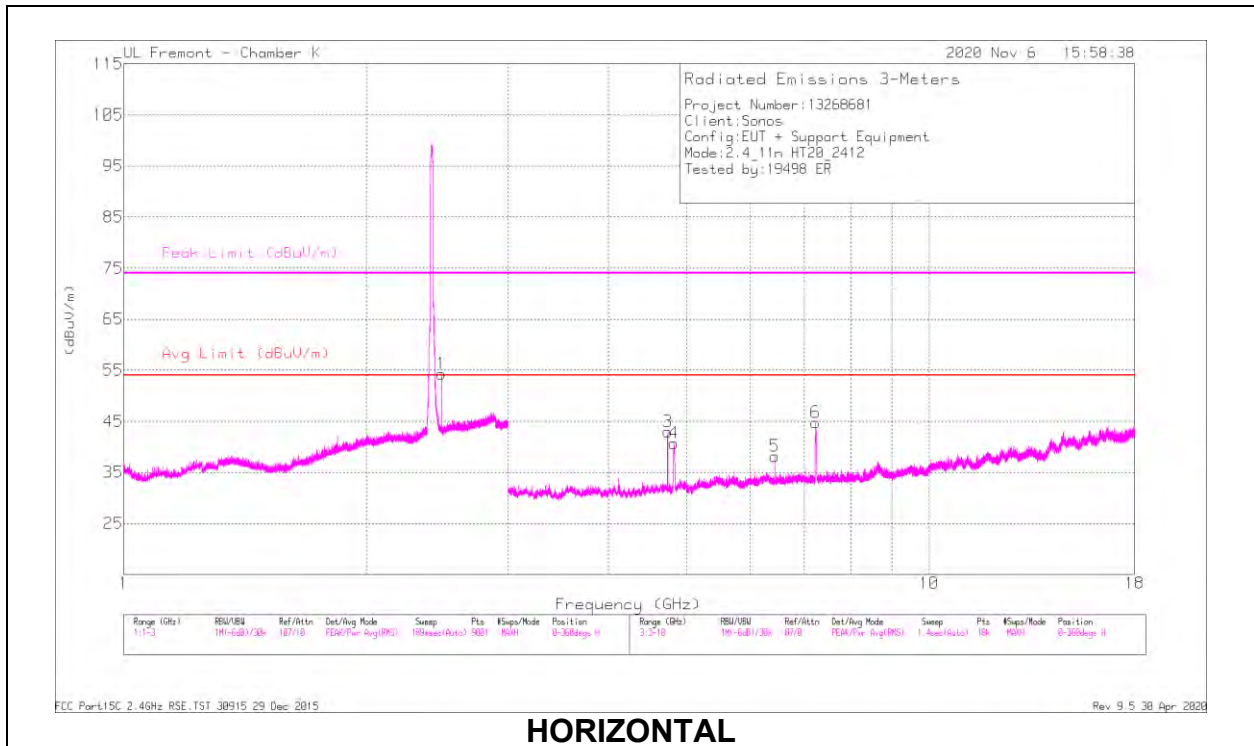


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1563 (dBm)	Amp/Cliff/Pd (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	49.36	Pk	32.5	-11.2	0	70.28	-	-	74	-3.72	289	100	V
2	* 2.48351	49.03	Pk	32.5	-11.2	0	70.33	-	-	74	-3.67	289	100	V
3	* 2.4835	30.41	RMS	32.5	-11.2	-18	51.89	54	-2.11	-	-	289	100	V
4	* 2.48384	31.65	RMS	32.5	-11.2	-18	53.13	54	-0.87	-	-	289	100	V

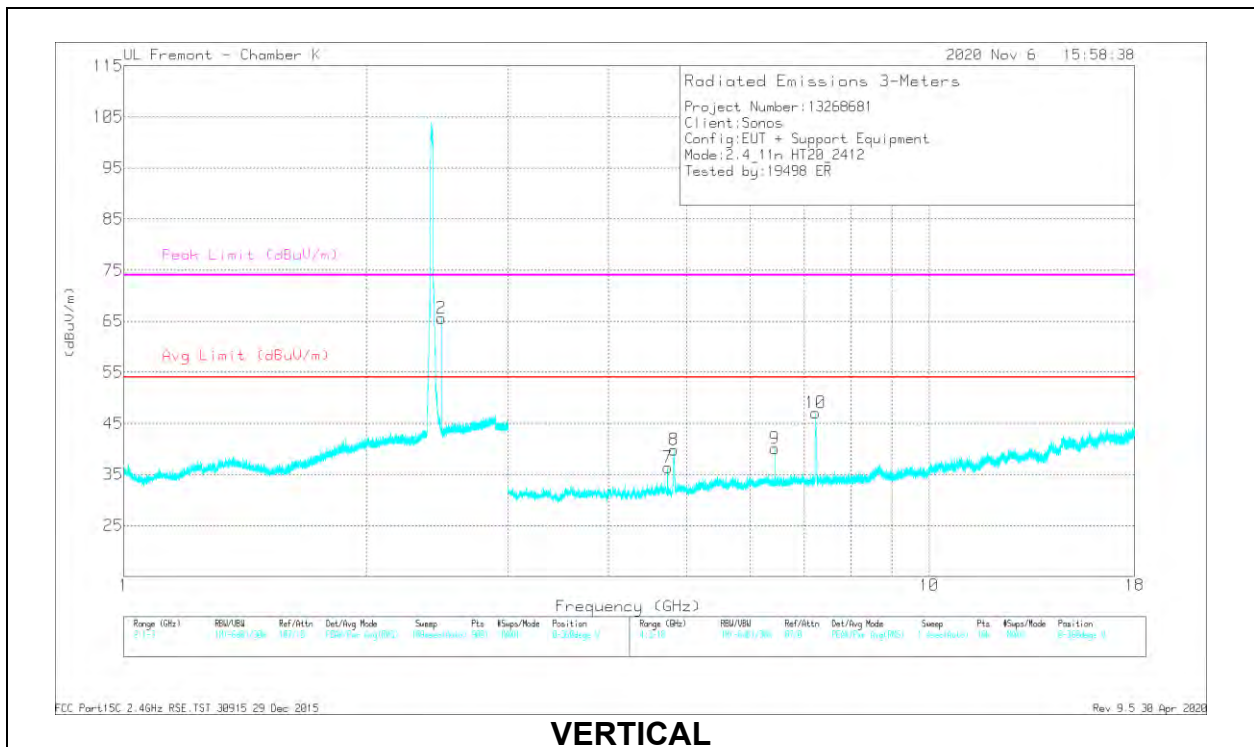
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

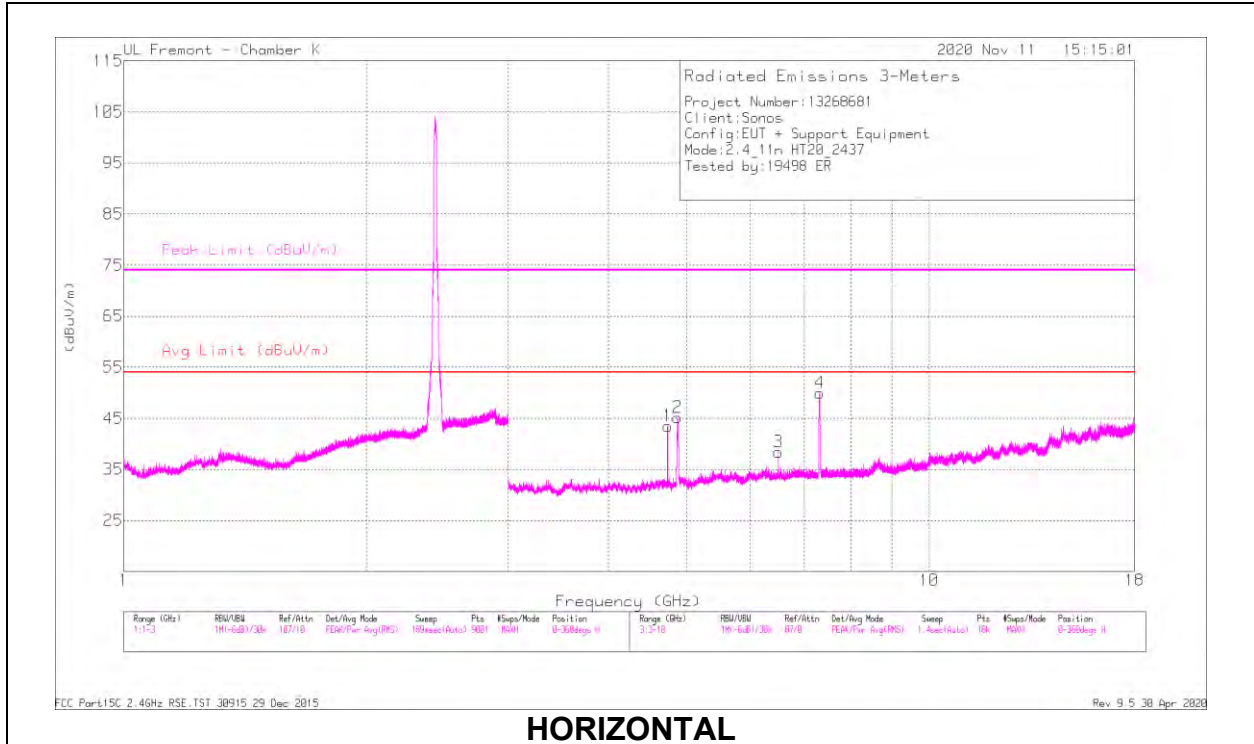
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.73604	52.46	PK2	34.2	-41.2	0	45.46	-	-	74	-28.54	191	100	H
* 4.73605	48.58	MAv1	34.2	-41.2	.18	41.76	54	-12.24	-	-	191	100	H
* 4.82436	57.41	PK2	34.4	-40.6	0	51.21	-	-	74	-22.79	141	197	H
* 4.82603	43.87	MAv1	34.4	-40.6	.18	37.85	54	-16.15	-	-	141	197	H
7.23281	57.93	PK2	36.1	-38.7	0	55.33	-	-	-	-	137	118	H
* 4.73599	50	PK2	34.2	-41.2	0	43	-	-	74	-31	318	398	V
* 4.73607	43.04	MAv1	34.2	-41.2	.18	36.22	54	-17.78	-	-	318	398	V
* 4.82453	56.33	PK2	34.4	-40.6	0	50.13	-	-	74	-23.87	319	290	V
* 4.82237	42.87	MAv1	34.4	-40.6	.18	36.85	54	-17.15	-	-	319	290	V
7.23292	59.35	PK2	36.1	-38.7	0	56.75	-	-	-	-	171	101	V

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

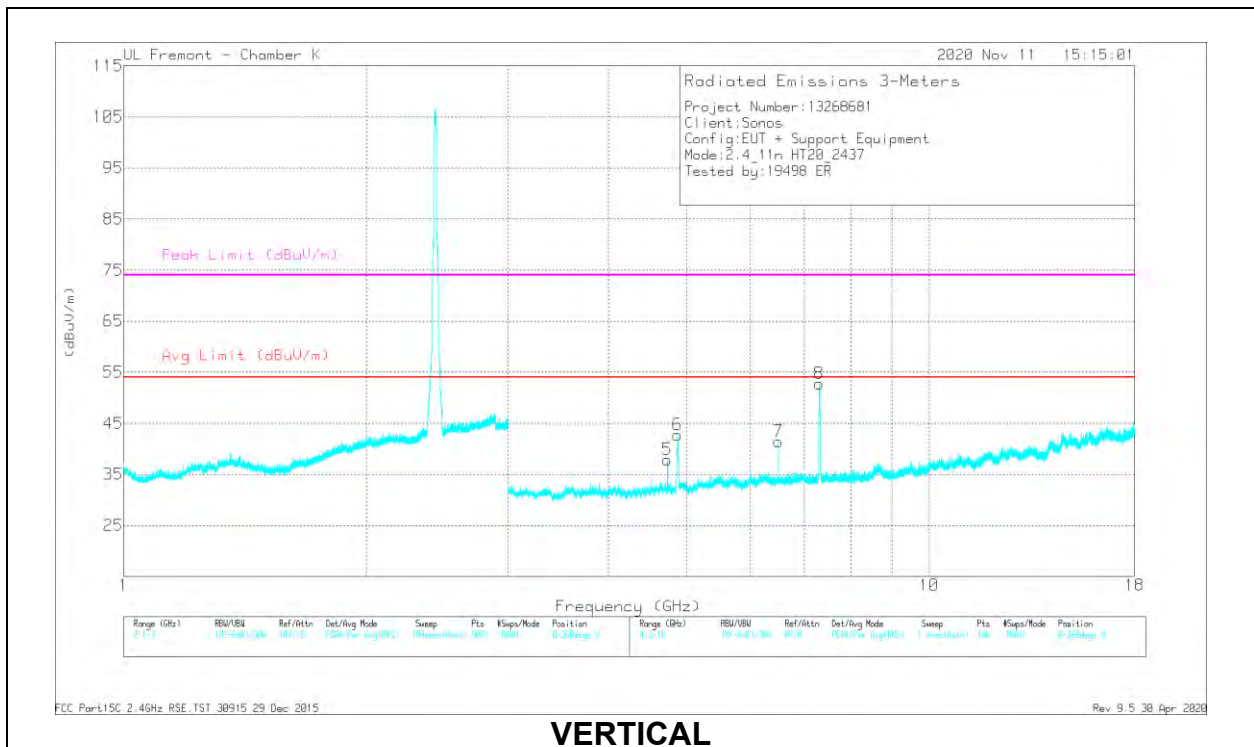
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



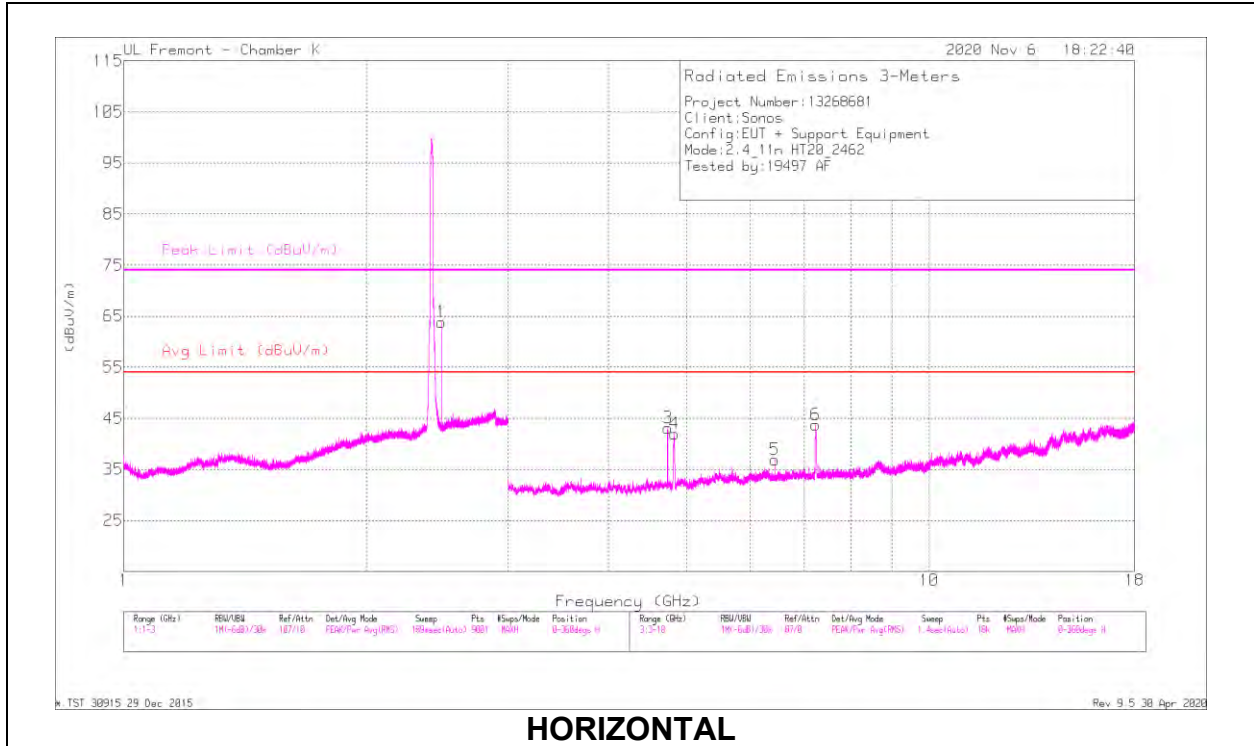
VERTICAL

RADIATED EMISSIONS

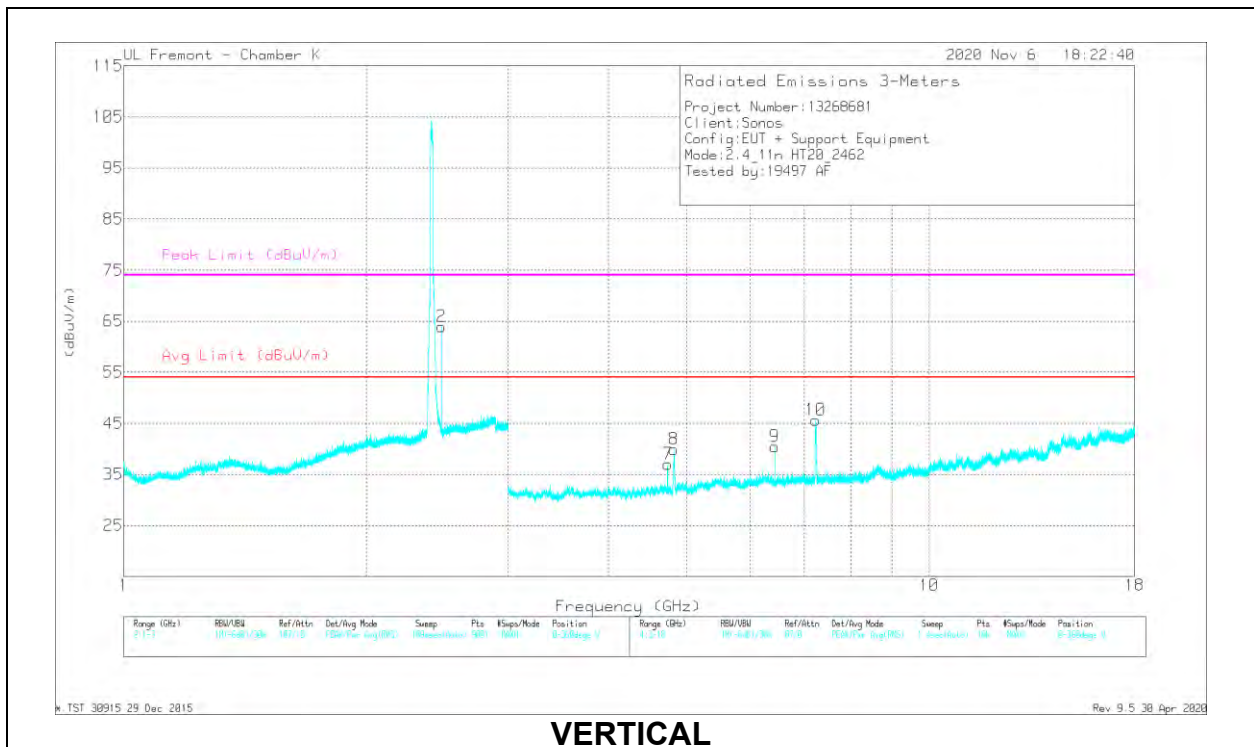
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.31782	65.85	PK2	36	-38.2	0	63.65	-	-	74	-10.35	288	381	H
* 7.3125	52.96	MAV1	36.1	-38.3	.18	50.94	54	-3.06	-	-	288	381	H
* 4.87443	62.15	PK2	34.4	-40.6	0	55.95	-	-	74	-18.05	156	190	H
* 4.87597	50.21	MAV1	34.4	-40.6	.18	44.19	54	-9.81	-	-	156	190	H
* 4.7357	51.7	PK2	34.2	-41.2	0	44.7	-	-	74	-29.3	229	142	H
* 4.73579	46.81	MAV1	34.2	-41.2	.18	39.99	54	-14.01	-	-	229	142	H
* 7.3177	66.76	PK2	36	-38.2	0	64.56	-	-	74	-9.44	298	205	V
* 7.31806	53.57	MAV1	36	-38.2	.18	51.55	54	-2.45	-	-	298	205	V
* 4.87117	58.76	PK2	34.3	-40.7	0	52.36	-	-	74	-21.64	283	202	V
* 4.87378	47.12	MAV1	34.4	-40.7	.18	41	54	-13	-	-	283	202	V
* 4.73581	50.96	PK2	34.2	-41.2	0	43.96	-	-	74	-30.04	220	103	V
* 4.73578	44.2	MAV1	34.2	-41.2	.18	37.38	54	-16.62	-	-	220	103	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 T863 (dB/m)	Amp/Cb/Filtr/ Pad (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
* 4.73602	52.94	PK2	34.2	-41.2	0	45.94	-	-	74	-28.06	186	113	H
* 4.73603	49.19	MAV1	34.2	-41.2	.18	42.37	54	-11.63	-	-	186	113	H
* 4.82515	57.75	PK2	34.4	-40.6	0	51.55	-	-	74	-22.45	152	164	H
* 4.82578	44.06	MAV1	34.4	-40.6	.18	38.04	54	-15.96	-	-	152	164	H
7.23258	58.29	PK2	36.1	-38.7	0	55.69	-	-	-	-	125	123	H
* 4.73615	50.41	PK2	34.2	-41.2	0	43.41	-	-	74	-30.59	319	399	V
* 4.73603	43.36	MAV1	34.2	-41.2	.18	36.54	54	-17.46	-	-	319	399	V
* 4.82464	55.52	PK2	34.4	-40.6	0	49.32	-	-	74	-24.68	244	113	V
* 4.82461	41	MAV1	34.4	-40.6	.18	34.98	54	-19.02	-	-	244	113	V
7.23342	58.34	PK2	36.1	-38.7	0	55.74	-	-	-	-	75	288	V

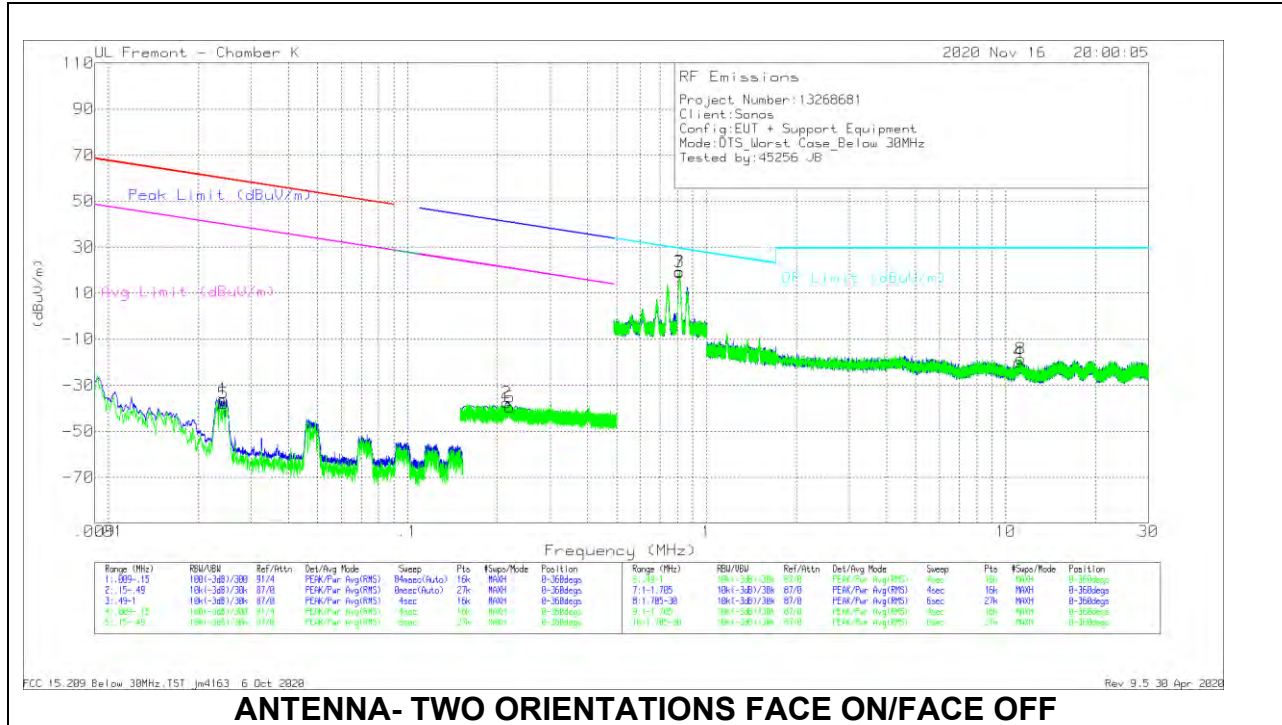
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

10.2. WORST CASE BELOW 30MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data

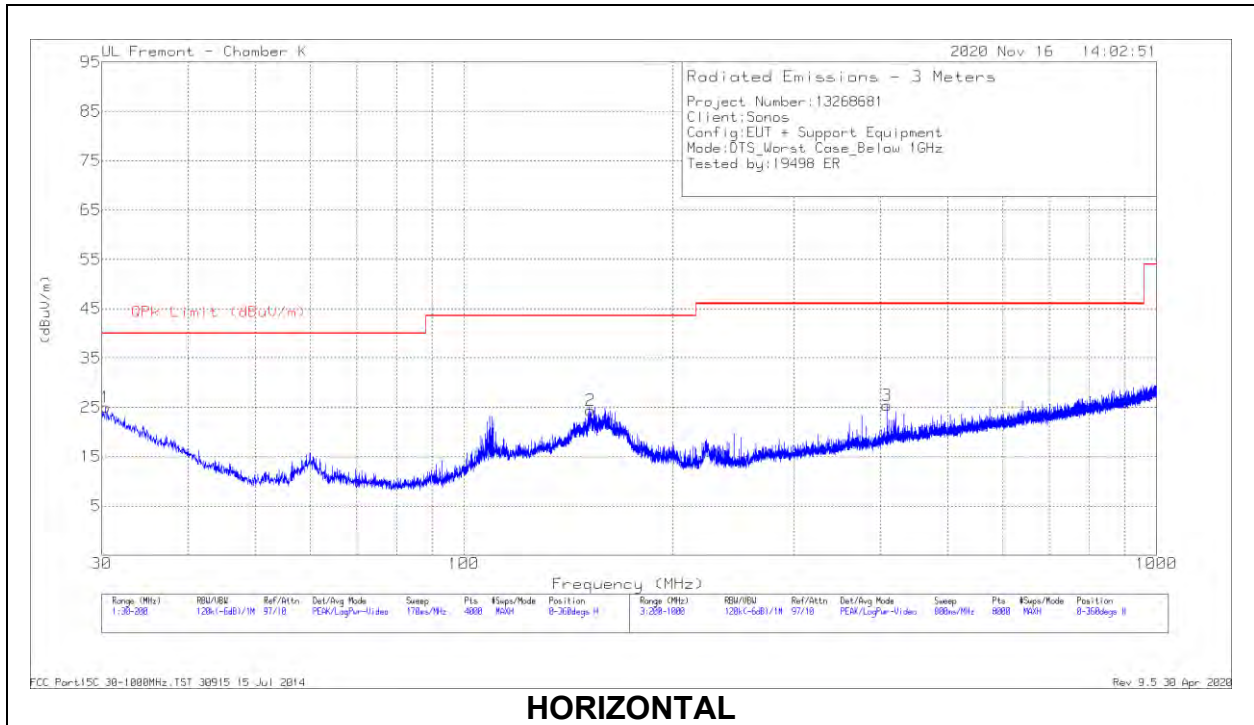
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (E ACF)	Amp/Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.02429	17.79	Pk	58.3	-32.1	-80	-36.01	59.88	-95.89	39.88	-75.89	-	-	-	-	0-360
2	.2149	18.68	Pk	56	-32.2	-80	-37.52	-	-	-	-	40.97	-78.49	20.97	-58.49	0-360
5	.02432	15.9	Pk	58.3	-32.1	-80	-37.9	59.87	-97.77	39.87	-77.77	-	-	-	-	0-360
6	.22006	16.81	Pk	56	-32.2	-80	-39.39	-	-	-	-	40.77	-80.16	20.77	-60.16	0-360

Pk - Peak detector

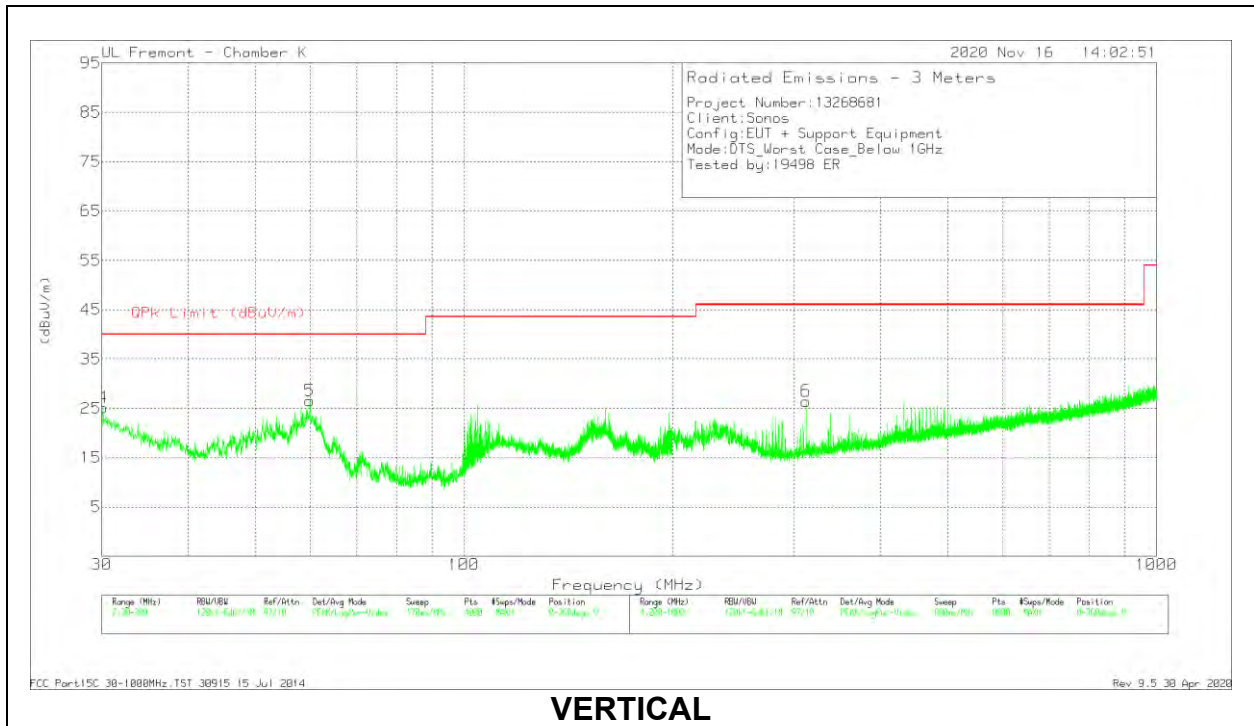
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (E ACF)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.8117	35.57	Pk	56	-32.2	-40	19.37	29.43	-10.06	0-360
7	.8115	35.36	Pk	56	-32.2	-40	19.16	29.43	-10.27	0-360
4	11.06469	17.31	Pk	34.7	-31.8	-40	-19.79	29.5	-49.29	0-360
8	11.21246	18.72	Pk	34.6	-31.8	-40	-18.48	29.5	-47.98	0-360

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHZ



HORIZONTAL



VERTICAL

Below 1GHz DATA

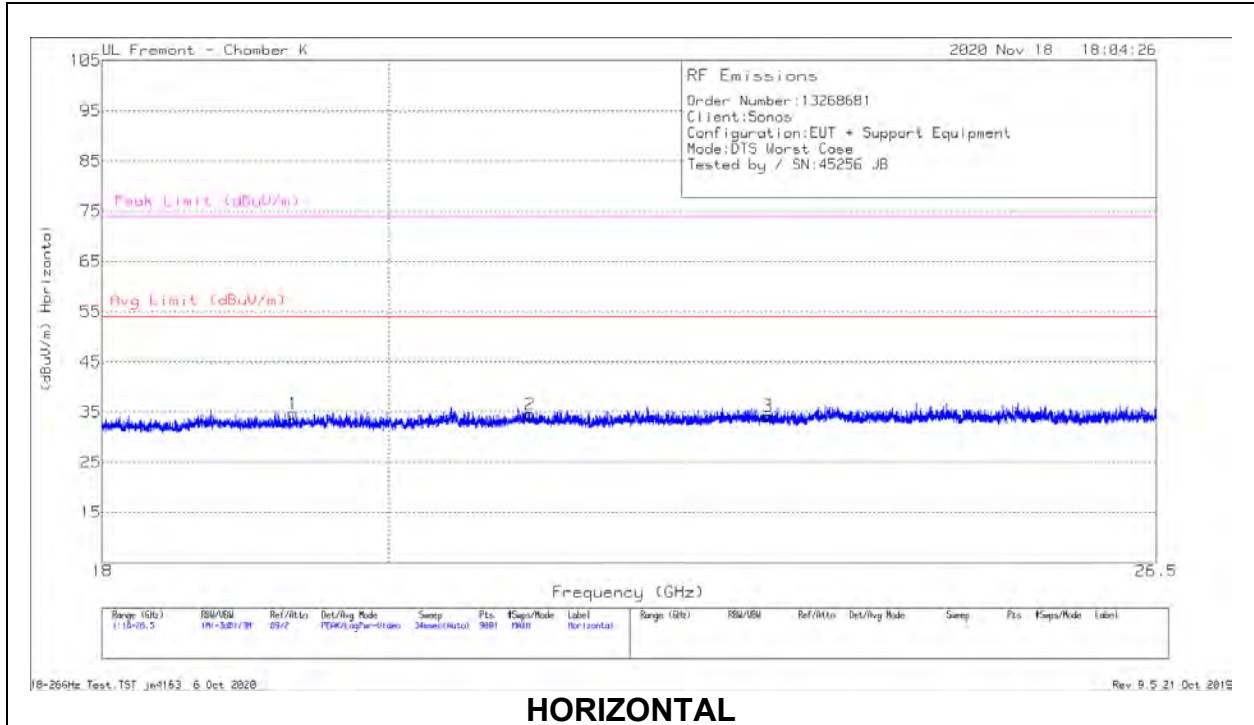
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 81560 (dB/m)	Amp/Cbi (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.3826	28.93	Pk	27.7	-31.6	25.03	40	-14.97	0-360	200	H
2	152.4317	36.37	Pk	18.6	-30.6	24.37	43.52	-19.15	0-360	200	H
4	30.1275	28.86	Pk	27.9	-31.6	25.16	40	-14.84	0-360	100	V
5	59.9703	44.13	Pk	13.6	-31.2	26.53	40	-13.47	0-360	100	V
	60.0103	46.97	Qp	13.6	-31.2	29.37	40	-10.63	95	96	V
3	* 407.927	32.57	Pk	22.3	-29.5	25.37	46.02	-20.65	0-360	301	H
6	312.0146	36.08	Pk	20.2	-29.8	26.48	46.02	-19.54	0-360	100	V

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

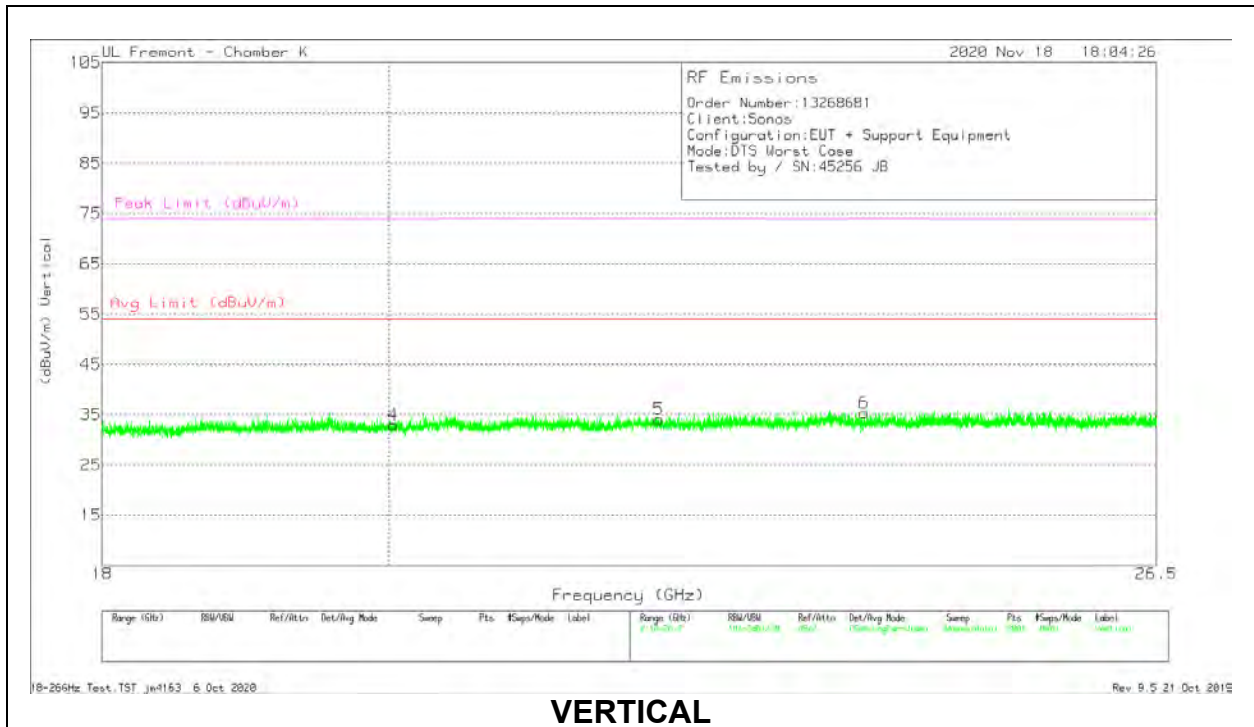
Pk - Peak detector

Qp - Quasi-Peak detector

10.4. WORST CASE 18-26 GHZ



HORIZONTAL



VERTICAL

18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.30617	68.46	Pk	32.7	-57	-9.5	34.66	54	-19.34	74	-39.34
2	21.06	67.91	Pk	33.2	-57.1	-9.5	34.51	54	-19.49	74	-39.49
3	22.98289	67.28	Pk	33.8	-57.4	-9.5	34.18	54	-19.82	74	-39.82
4	20.02961	66.66	Pk	32.9	-57.1	-9.5	32.96	54	-21.04	74	-41.04
5	22.07811	67.76	Pk	33.5	-57.7	-9.5	34.06	54	-19.94	74	-39.94
6	23.80455	67.84	Pk	34.2	-57.2	-9.5	35.34	54	-18.66	74	-38.66

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

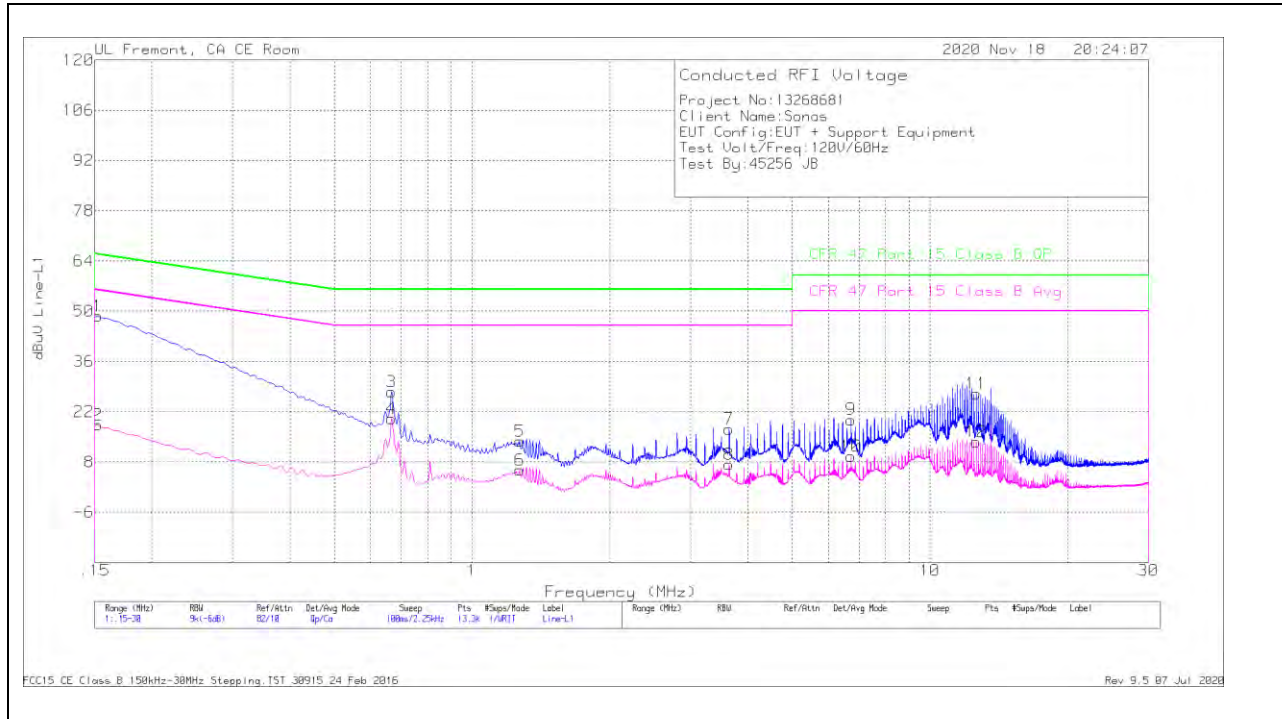
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1.1. AC Power Line

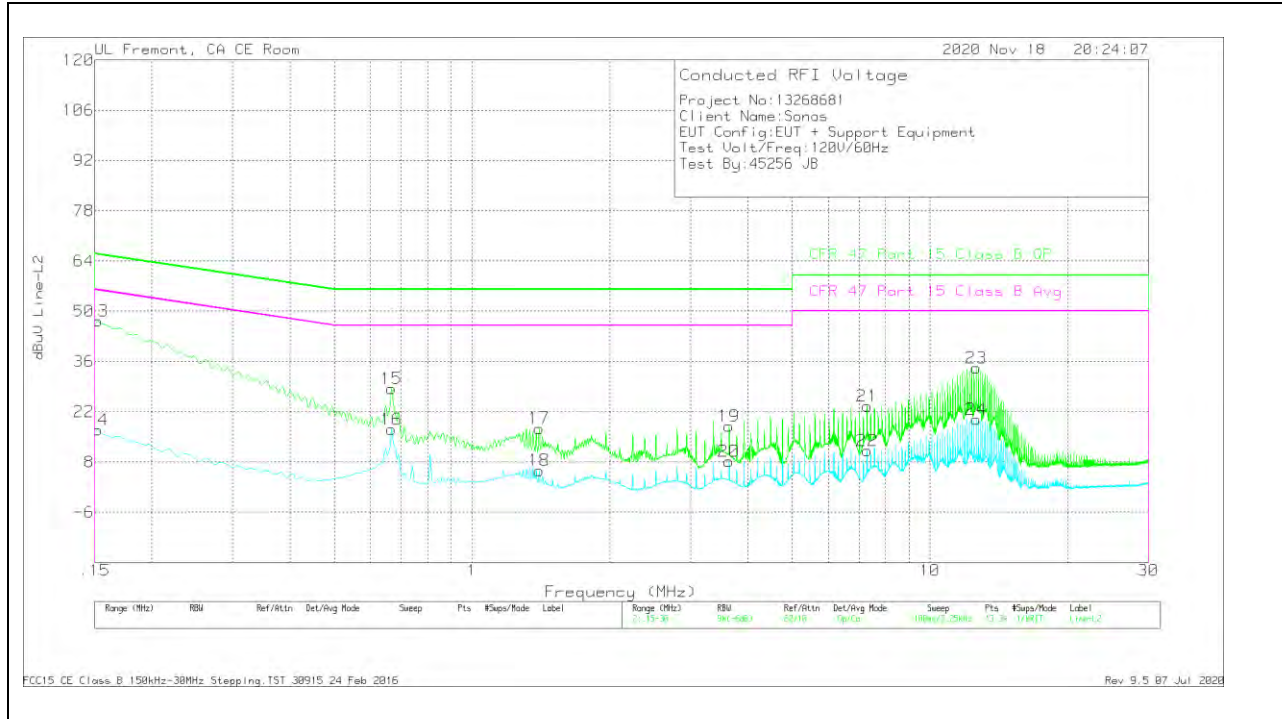
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 LISN L1	LC Cables C1&C3 dB	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)M argin (dB)
1	.15225	38.56	Qp	.1	0	10.1	48.76	65.88	-17.12	-	-
2	.15225	8.17	Ca	.1	0	10.1	18.37	-	-	55.88	-37.51
3	.6675	17.51	Qp	0	0	10.1	27.61	56	-28.39	-	-
4	.6675	9.91	Ca	0	0	10.1	20.01	-	-	46	-25.99
5	1.2705	3.6	Qp	0	.1	10.1	13.8	56	-42.2	-	-
6	1.2705	-4.48	Ca	0	.1	10.1	5.72	-	-	46	-40.28
7	3.64425	6.89	Qp	0	.1	10.2	17.19	56	-38.81	-	-
8	3.64425	-2.95	Ca	0	.1	10.2	7.35	-	-	46	-38.65
9	6.72675	9.51	Qp	0	.1	10.2	19.81	60	-40.19	-	-
10	6.72675	-7.1	Ca	0	.1	10.2	9.59	-	-	50	-40.41
11	12.6105	16.49	Qp	.1	.2	10.2	26.99	60	-33.01	-	-
12	12.6105	3.14	Ca	.1	.2	10.2	13.64	-	-	50	-36.36

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 LISN L2	LC Cables C2&C3 dB	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)M argin (dB)
13	.15225	37.18	Qp	0	0	10.1	47.28	65.88	-18.6	-	-
14	.15225	6.77	Ca	0	0	10.1	16.87	-	-	55.88	-39.01
15	.6675	18.4	Qp	0	0	10.1	28.5	56	-27.5	-	-
16	.6675	6.98	Ca	0	0	10.1	17.08	-	-	46	-28.92
17	1.40325	7.16	Qp	0	.1	10.1	17.36	56	-38.64	-	-
18	1.40325	-4.53	Ca	0	.1	10.1	5.67	-	-	46	-40.33
19	3.64425	7.62	Qp	0	.1	10.2	17.92	56	-38.08	-	-
20	3.64425	-2.15	Ca	0	.1	10.2	8.15	-	-	46	-37.85
21	7.287	13.32	Qp	0	.1	10.2	23.62	60	-36.38	-	-
22	7.287	.86	Ca	0	.1	10.2	11.16	-	-	50	-38.84
23	12.6105	23.67	Qp	.1	.2	10.2	34.17	60	-25.83	-	-
24	12.6105	9.47	Ca	.1	.2	10.2	19.97	-	-	50	-30.03

Qp - Quasi-Peak detector
 Ca - CISPR average detection