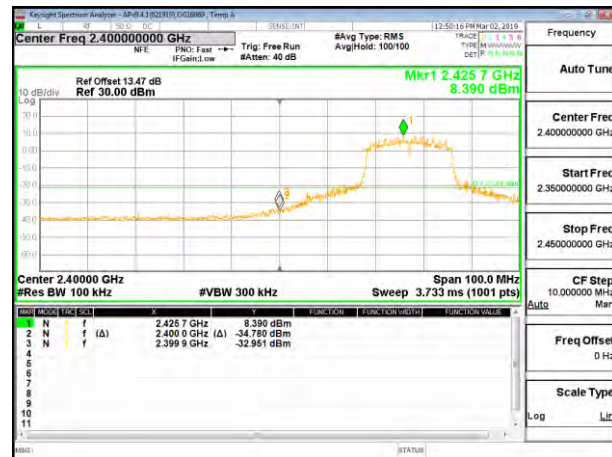
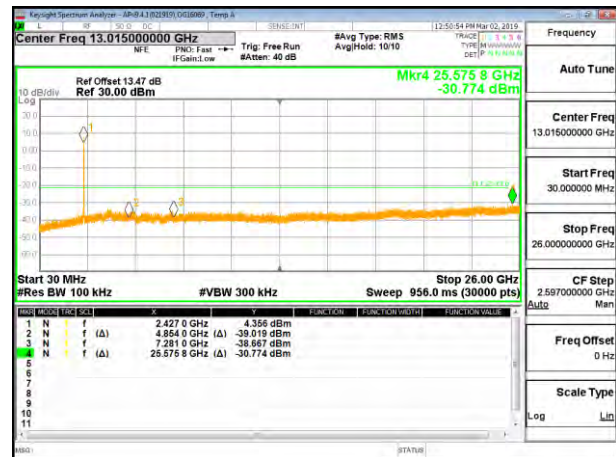
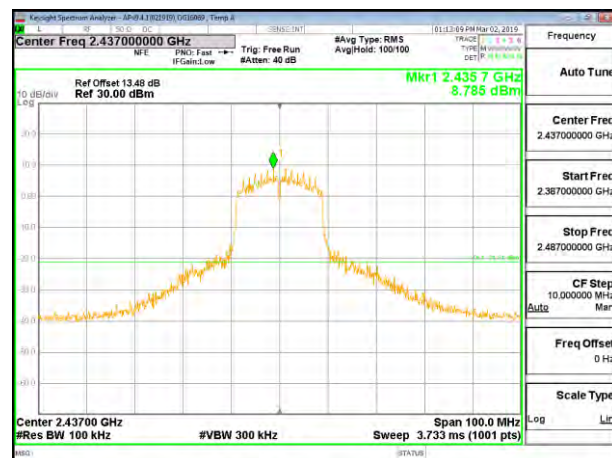




LOW CHANNEL 4 BANDEDGE CHAIN 1



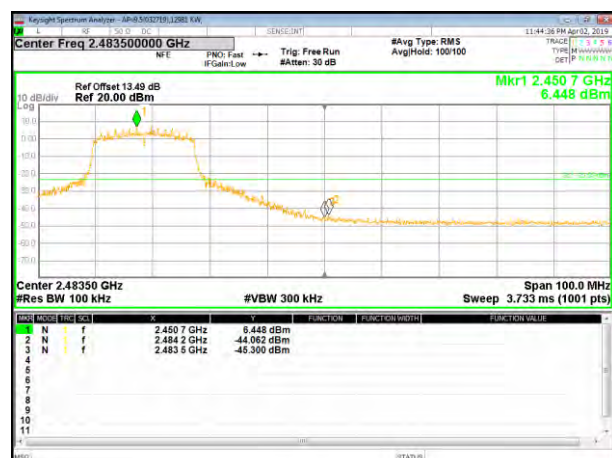
OUT-OF-BAND LOW CHANNEL 4 CHAIN 1



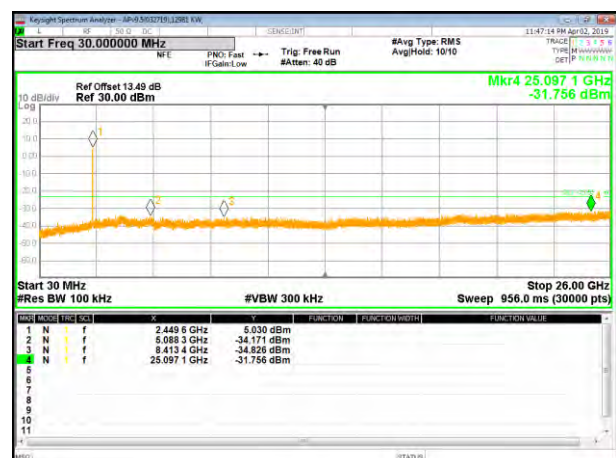
IN-BAND REFERENCE LEVEL CHAIN 1



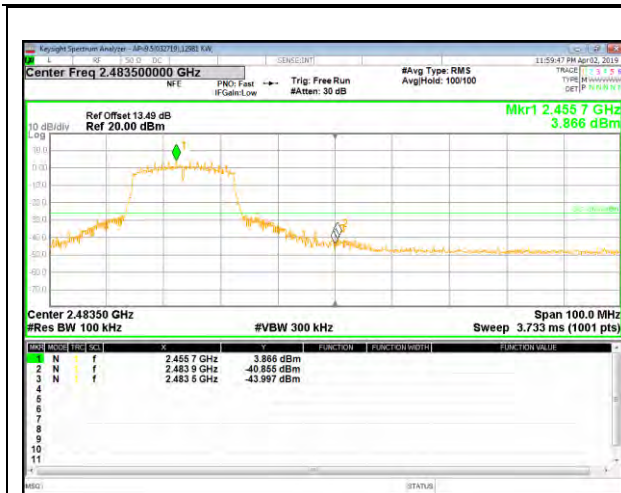
OUT-OF-BAND MID CHANNEL CHAIN 1



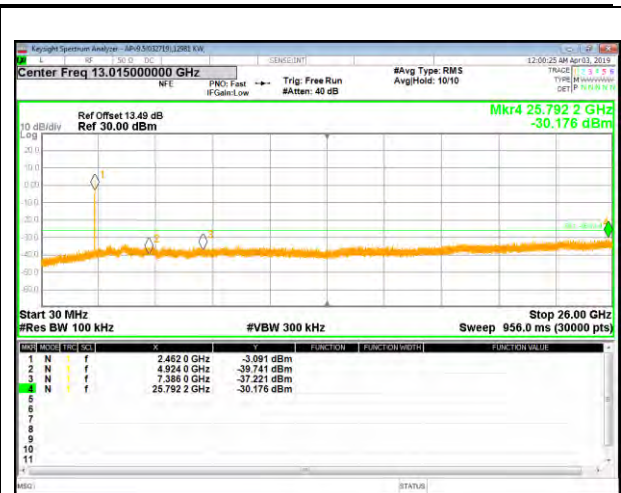
HIGH CHANNEL 9 BANDEDGE CHAIN 1



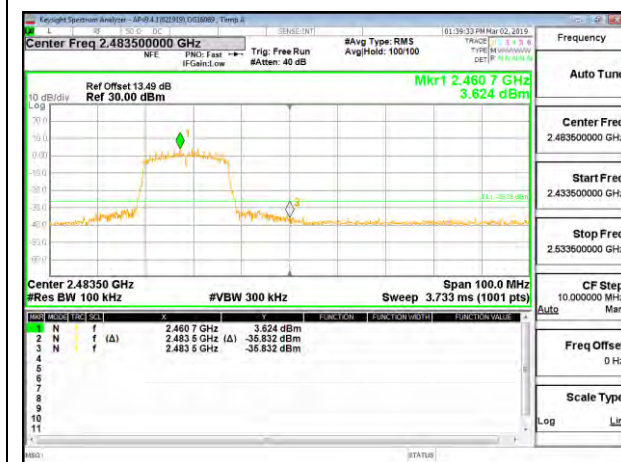
OUT-OF-BAND HIGH CHANNEL 9 CHAIN 1



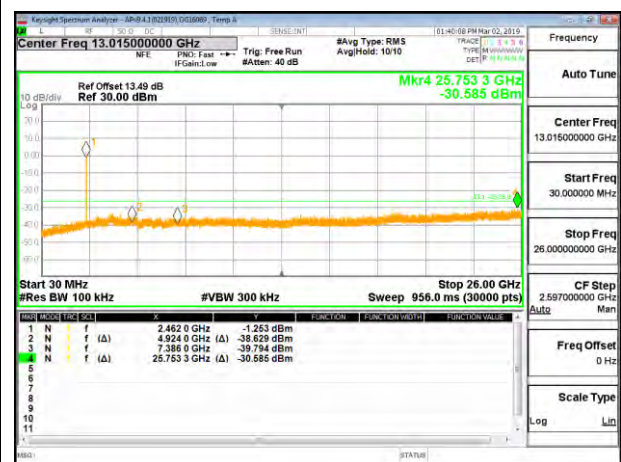
HIGH CHANNEL 10 BANDEDGE CHAIN 1



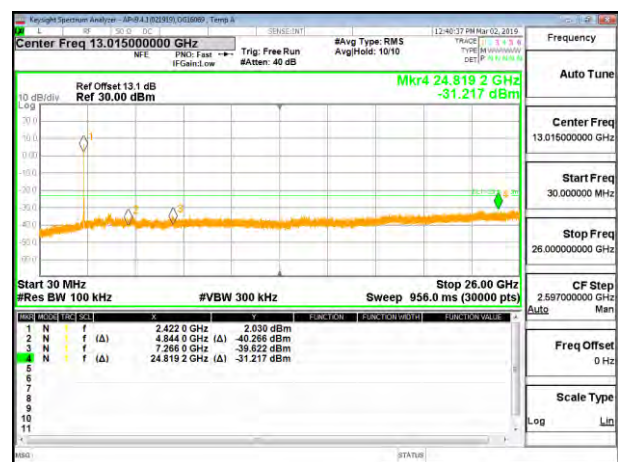
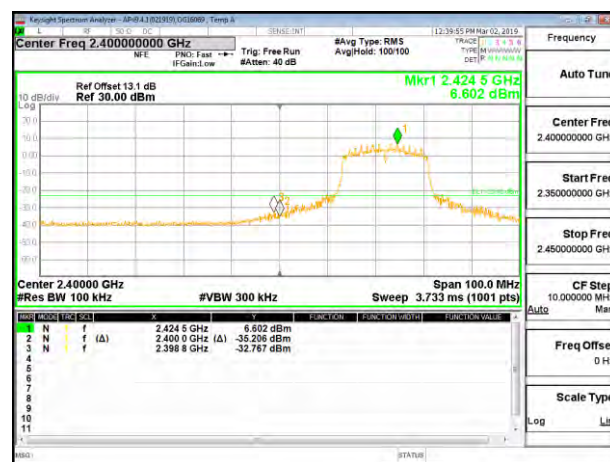
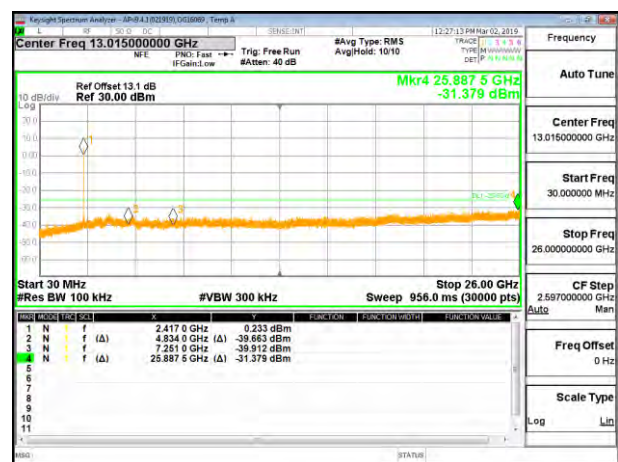
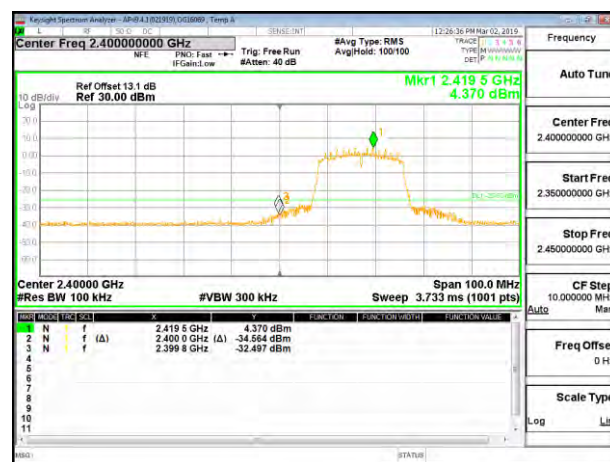
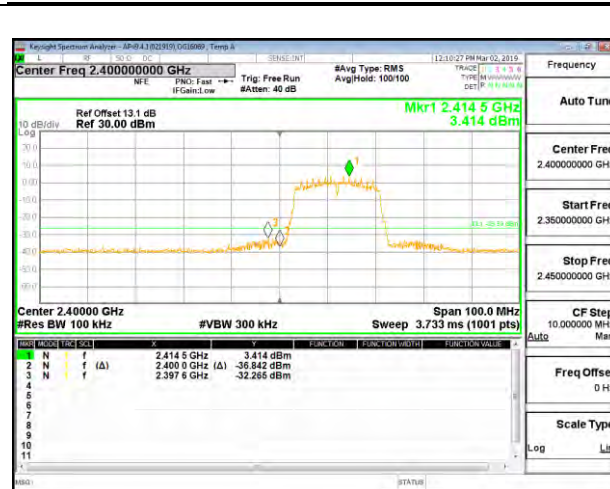
OUT-OF-BAND HIGH CHANNEL 10 CHAIN 1

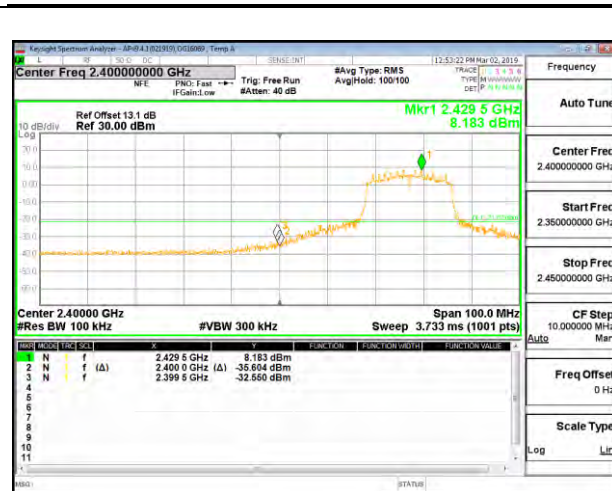


HIGH CHANNEL 11 BANDEDGE CHAIN 1

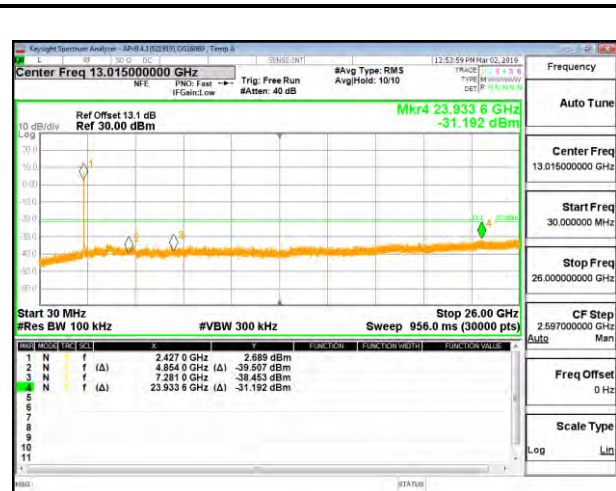


OUT-OF-BAND HIGH CHANNEL 11 CHAIN 1

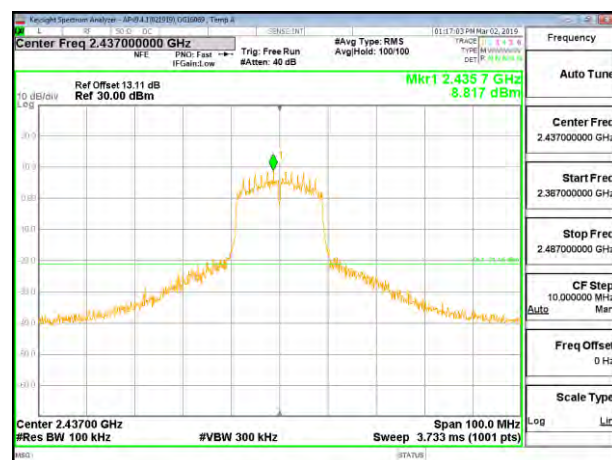




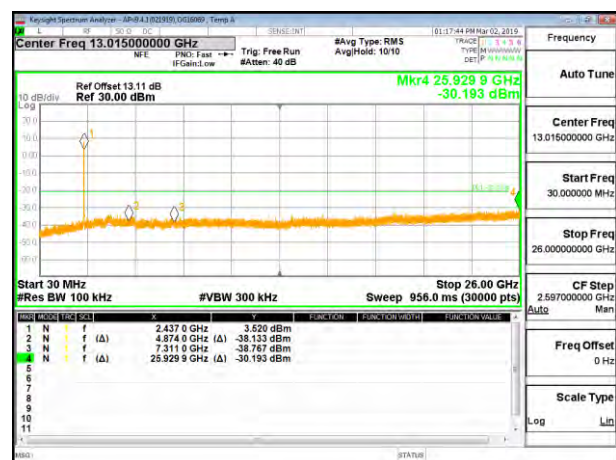
LOW CHANNEL 4 BANDEDGE CHAIN 2



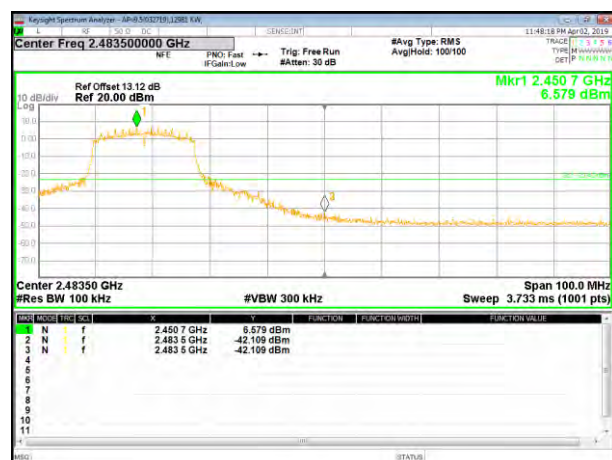
OUT-OF-BAND LOW CHANNEL 4 CHAIN 2



IN-BAND REFERENCE LEVEL CHAIN 2



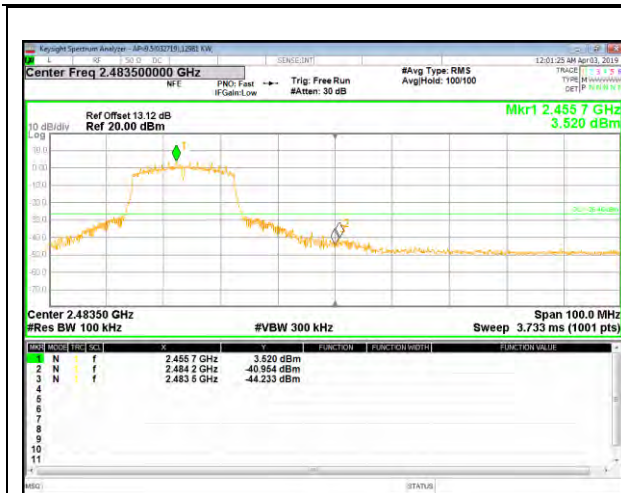
OUT-OF-BAND MID CHANNEL 2



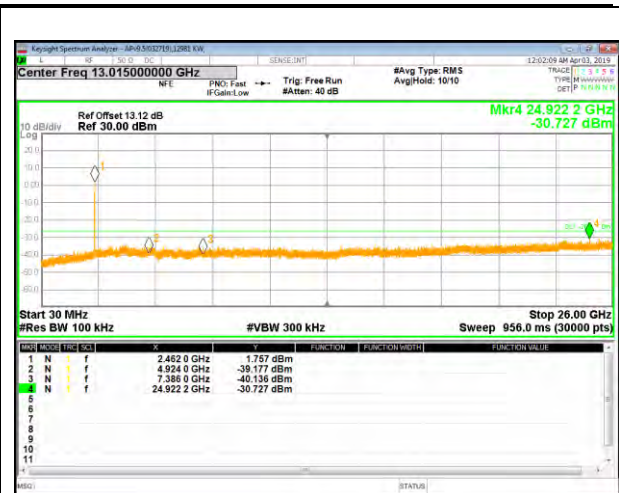
HIGH CHANNEL 9 BANDEDGE CHAIN 2



OUT-OF-BAND HIGH CHANNEL 9 CHAIN 2



HIGH CHANNEL 10 BANDEDGE CHAIN 2



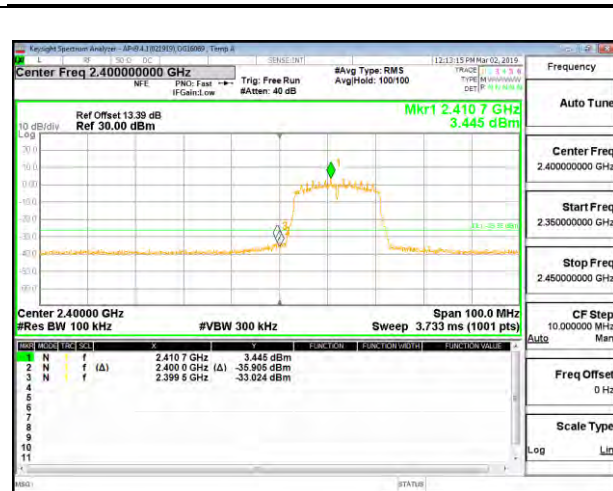
OUT-OF-BAND HIGH CHANNEL 10 CHAIN 2



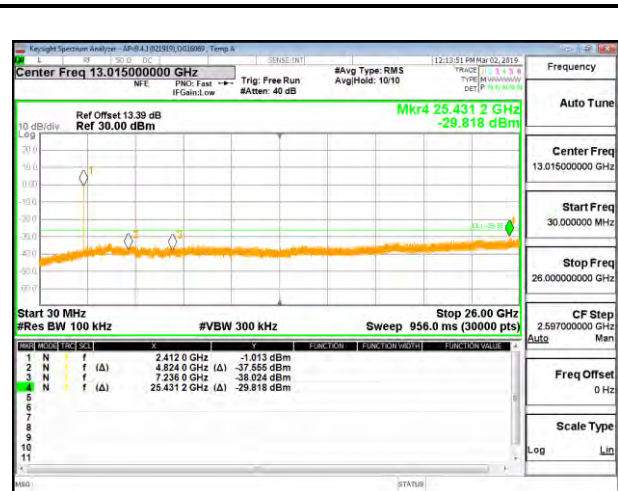
HIGH CHANNEL 11 BANDEDGE CHAIN 2



OUT-OF-BAND HIGH CHANNEL 11 CHAIN 2



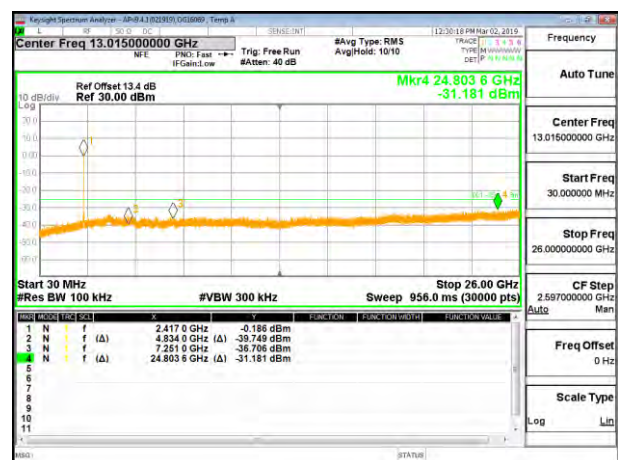
LOW CHANNEL 1 BANDEDGE CHAIN 3



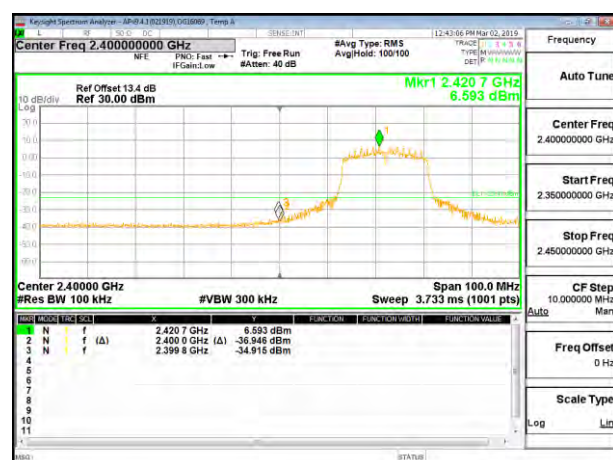
OUT-OF-BAND LOW CHANNEL 1 CHAIN 3



LOW CHANNEL 2 BANDEDGE CHAIN 3



OUT-OF-BAND LOW CHANNEL 2 CHAIN 3



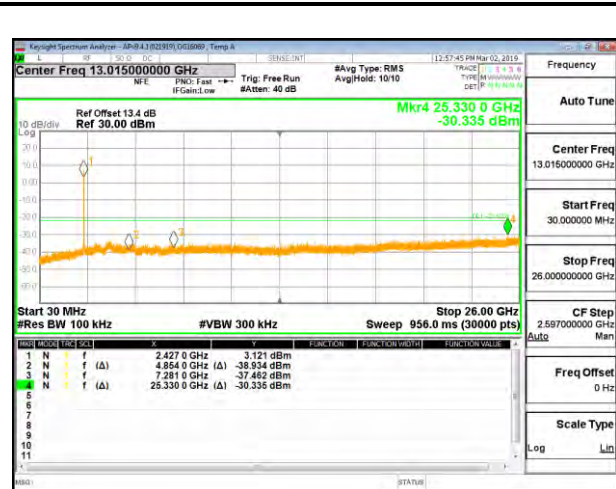
LOW CHANNEL 3 BANDEDGE CHAIN 3



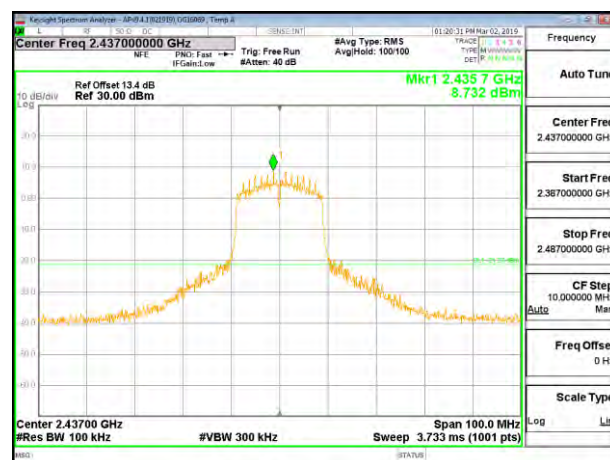
OUT-OF-BAND LOW CHANNEL 3 CHAIN 3



LOW CHANNEL 4 BANDEDGE CHAIN 3



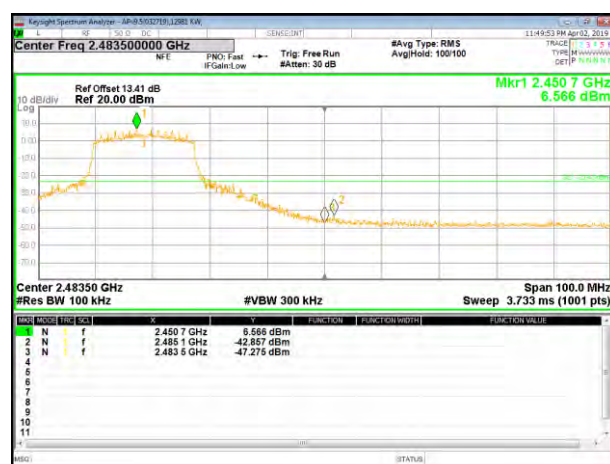
OUT-OF-BAND LOW CHANNEL 4 CHAIN 3



IN-BAND REFERENCE LEVEL CHAIN 3



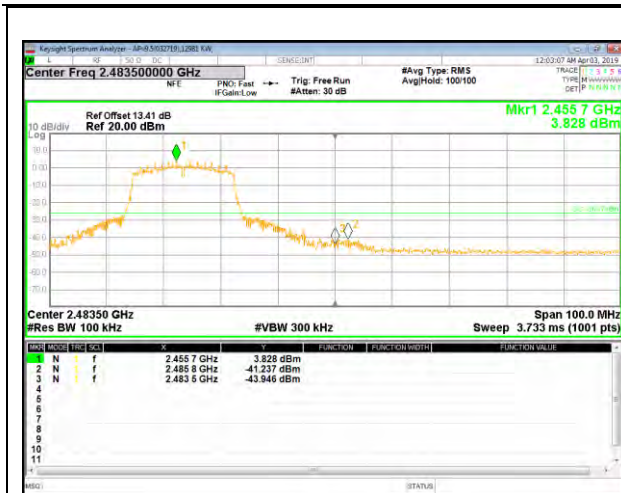
OUT-OF-BAND MID CHANNEL 3



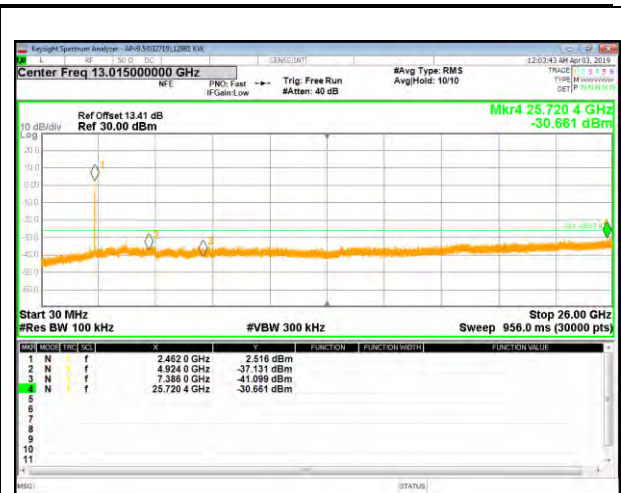
HIGH CHANNEL 9 BANDEDGE CHAIN 3



OUT-OF-BAND HIGH CHANNEL 9 CHAIN 3



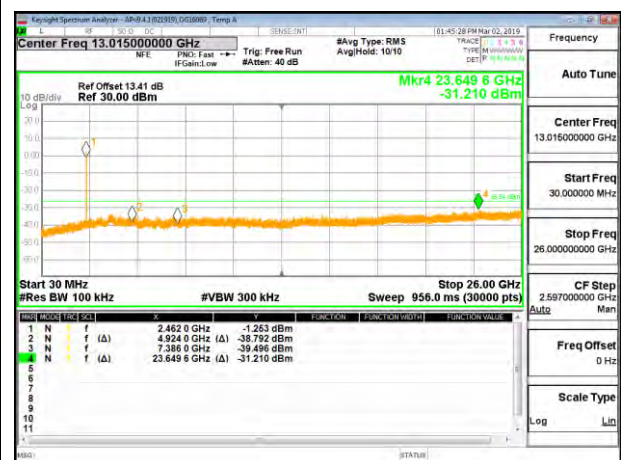
HIGH CHANNEL 10 BANDEDGE CHAIN 3



OUT-OF-BAND HIGH CHANNEL 10 CHAIN 3



HIGH CHANNEL 11 BANDEDGE CHAIN 3



OUT-OF-BAND HIGH CHANNEL 11 CHAIN 3

9. 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.

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.

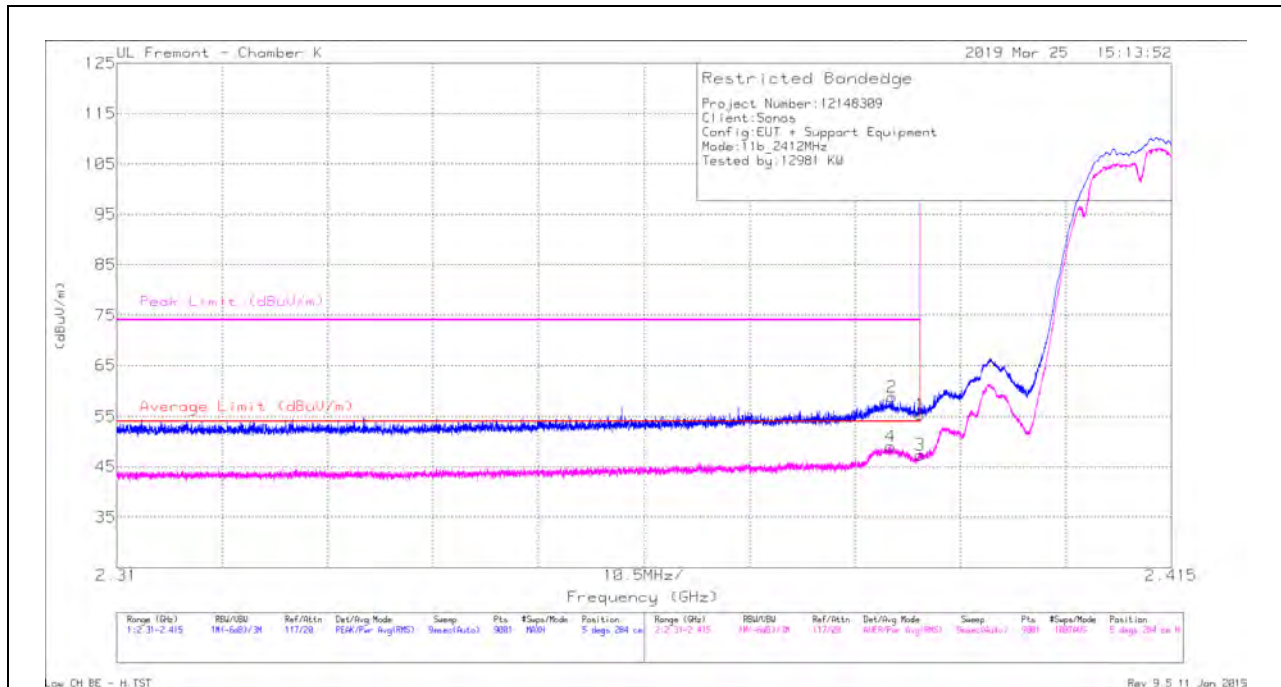
9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. TX ABOVE 1 GHz 802.11b 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



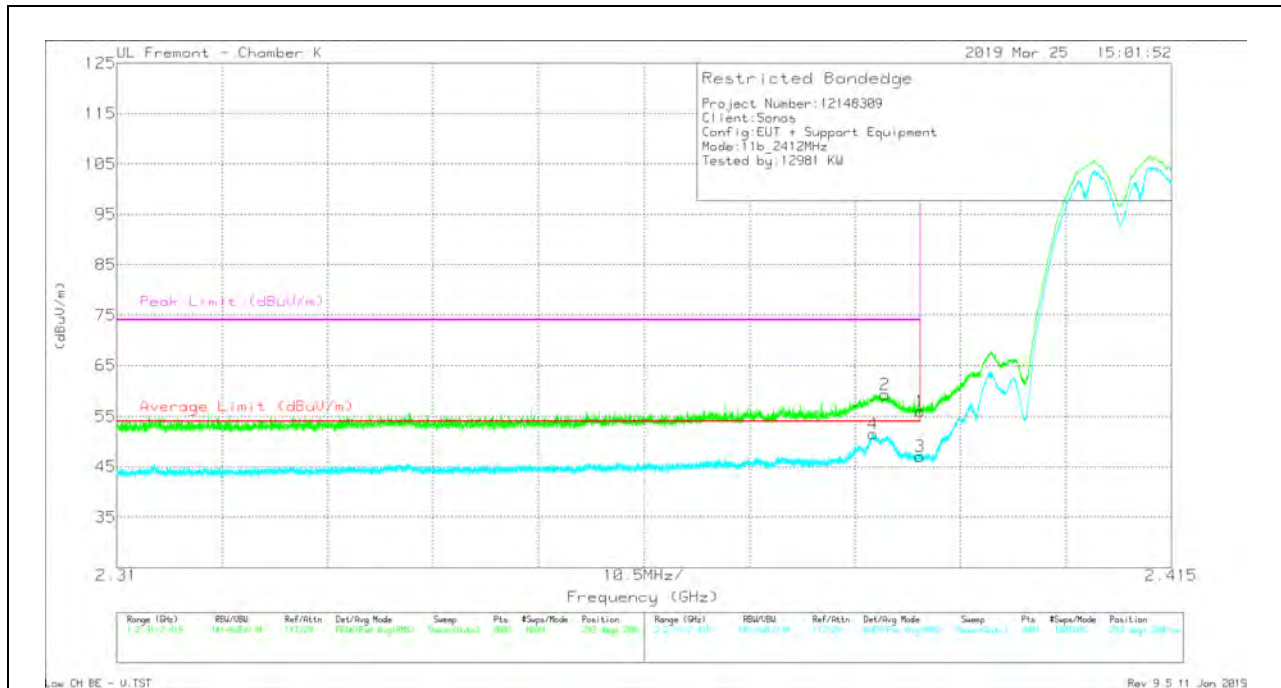
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dBm)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	48.21	Pk	31.9	-24.7	0	55.41	-	-	74	-18.59	5	284	H
2	* 2.387	51.57	Pk	31.9	-24.6	0	58.87	-	-	74	-15.13	5	284	H
3	* 2.39	38.42	RMS	31.9	-24.7	1.75	47.37	54	-6.63	-	-	5	284	H
4	* 2.387	39.95	RMS	31.9	-24.6	1.75	49	54	-5	-	-	5	284	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 T344 (dB/m)	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)	Altitude (Degs)	Height (cm)	Polarity
1	*2.39	43.73	Pk	31.9	-24.7	0	55.98	-	-	74	-18.02	293	200	V
2	*2.387	52.09	Pk	31.9	-24.6	0	59.39	-	-	74	-14.61	293	200	V
3	*2.39	38.15	RMS	31.9	-24.7	1.75	47.1	54	-6.9	-	-	293	200	V
4	*2.385	42.44	RMS	31.9	-24.6	1.75	51.49	54	-2.51	-	-	293	200	V

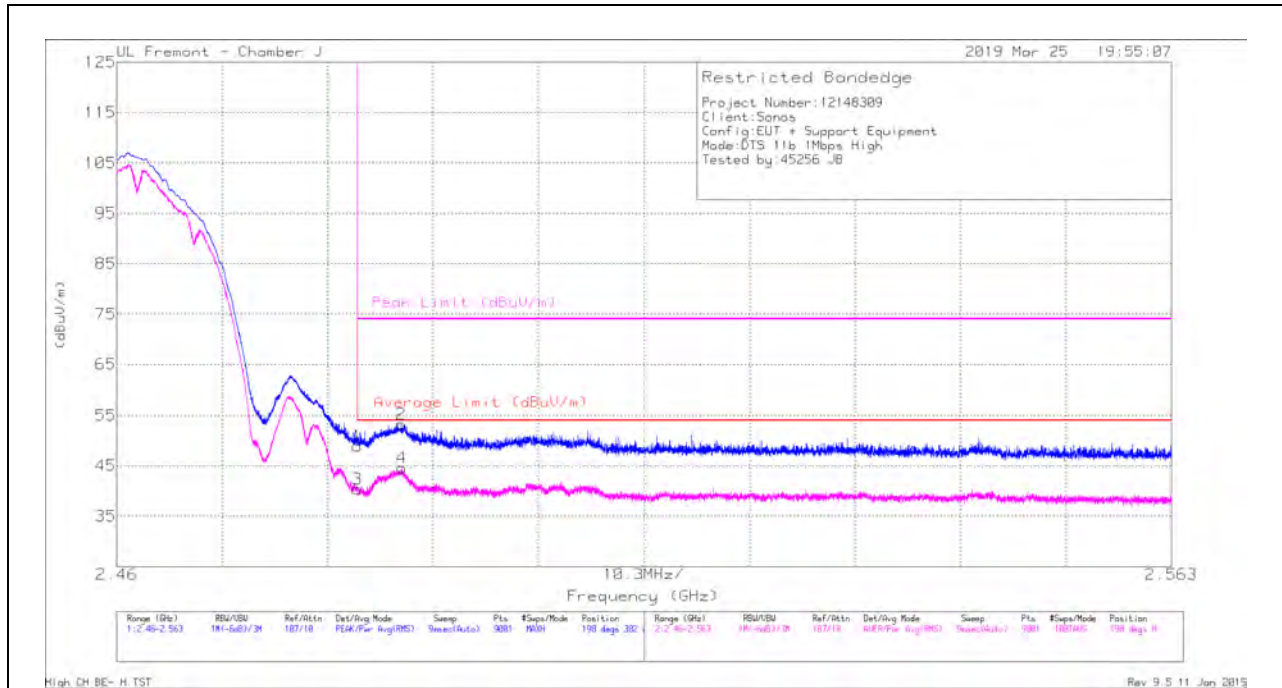
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



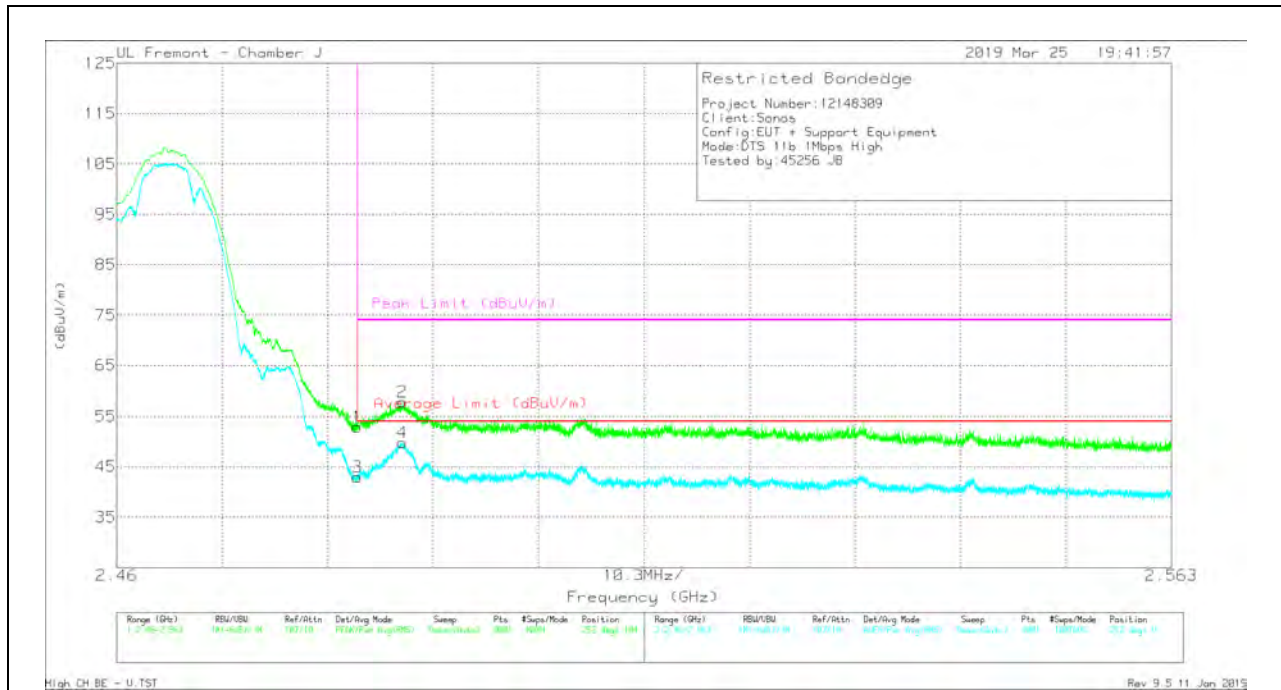
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dBm)	Amp/Ch/Filt/Par d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.8	Pk	29.9	-25.8	0	48.9	-	-	74	-25.1	198	382	H
2	* 2.488	49.06	Pk	29.9	-25.7	0	53.26	-	-	74	-20.74	198	382	H
3	* 2.484	34.48	RMS	29.9	-25.8	1.81	40.39	54	-13.61	-	-	198	382	H
4	* 2.488	38.55	RMS	29.9	-25.7	1.81	44.56	54	-9.44	-	-	198	382	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 PRE9189055 (dBm)	Amp/Chl/Filtr/Pa d (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	*2.484	48.8	Pk	29.9	-25.8	0	52.9	-	-	74	-21.1	252	184	V
2	*2.488	53.72	Pk	29.9	-25.7	0	57.92	-	-	74	-16.08	252	184	V
3	*2.484	37.06	RMS	29.9	-25.8	1.81	42.97	54	-11.03	-	-	252	184	V
4	*2.488	43.8	RMS	29.9	-25.7	1.81	49.81	54	-4.19	-	-	252	184	V

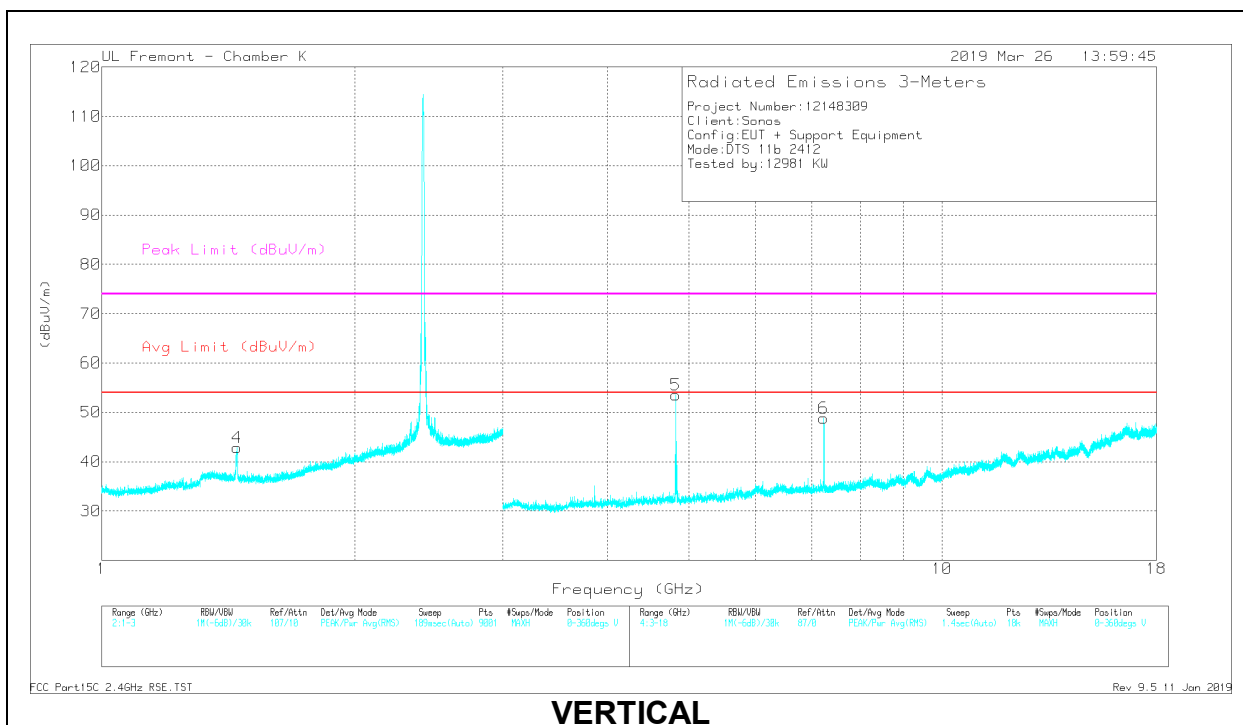
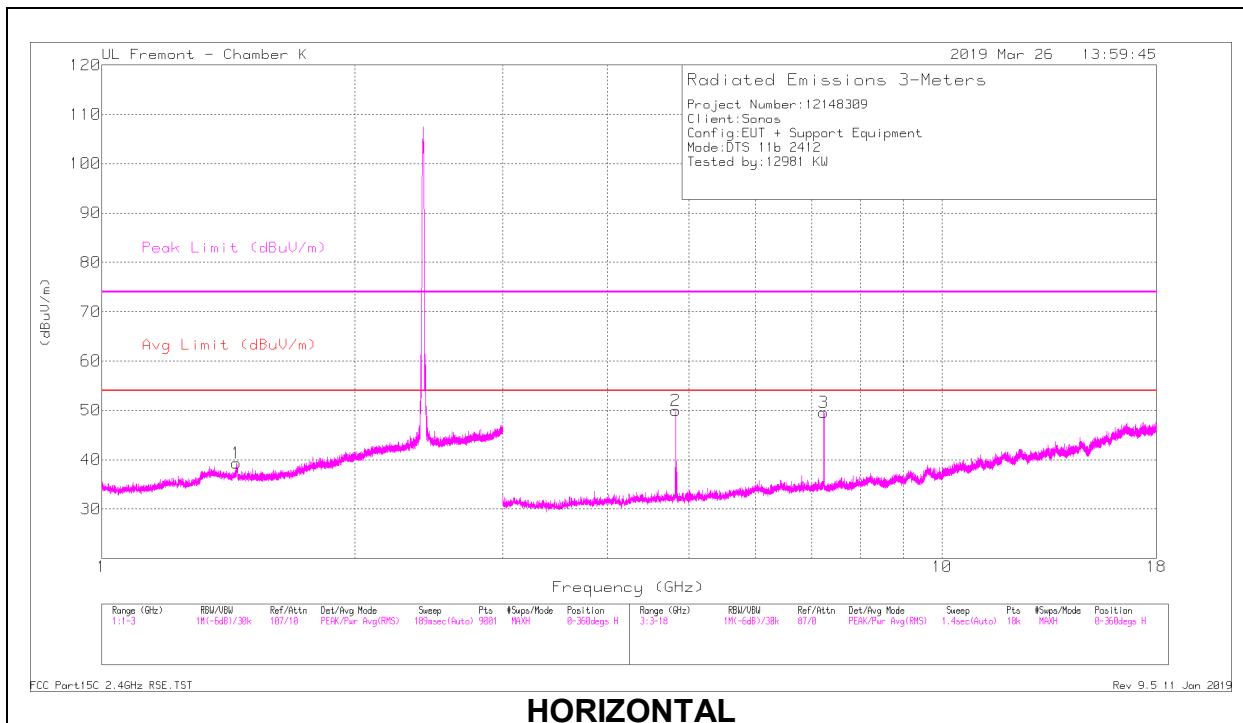
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

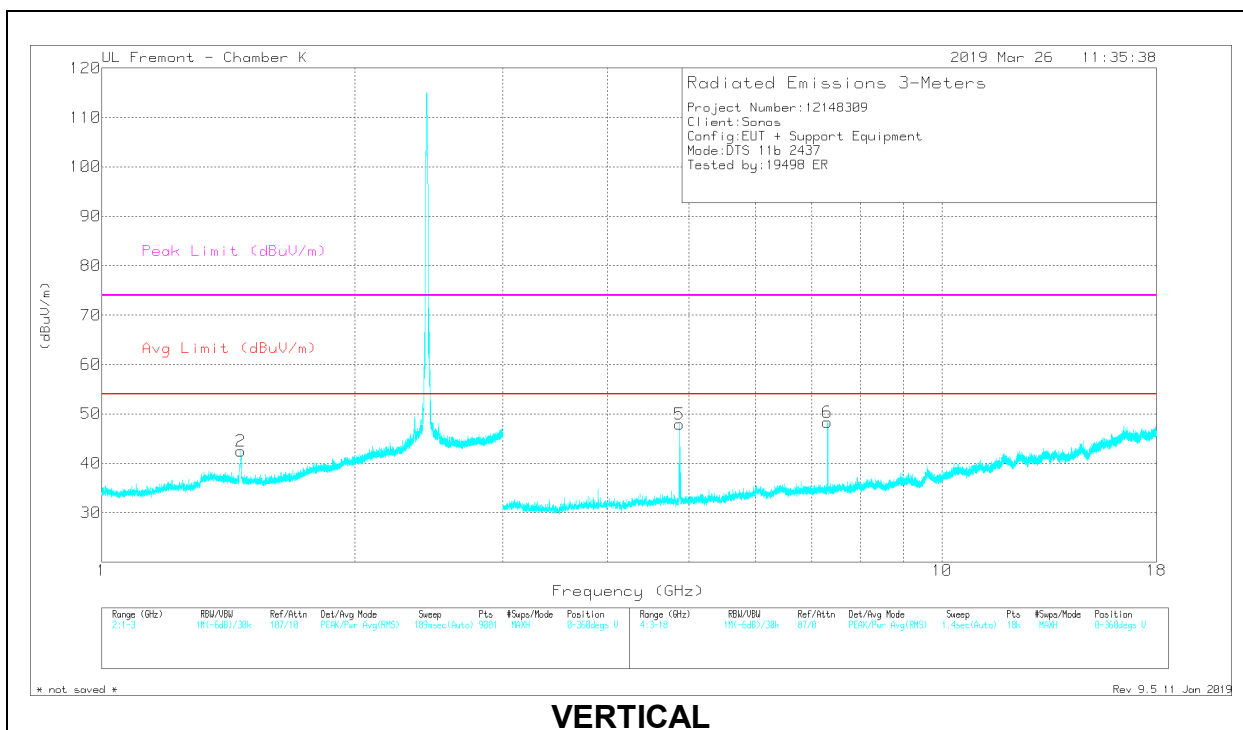
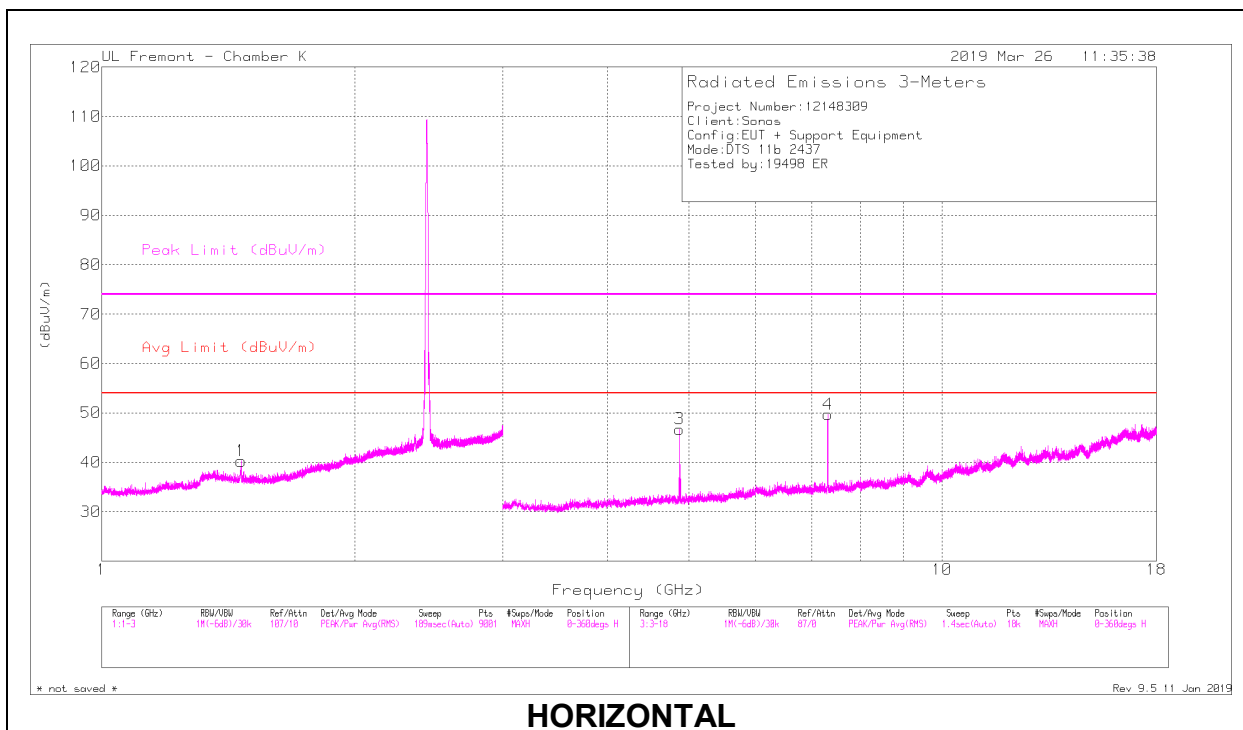
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.446	33.96	PK2	28.5	-16.7	0	45.76	-	-	74	-28.24	32	169	H
* 1.448	25.46	MAv1	28.4	-16.7	1.75	38.91	54	-15.09	-	-	32	169	H
* 1.448	37.01	PK2	28.4	-16.7	0	48.71	-	-	74	-25.29	36	124	V
* 1.448	29.51	MAv1	28.4	-16.7	1.75	42.96	54	-11.04	-	-	36	124	V
* 4.824	49.05	PK2	34.1	-30.4	0	52.75	-	-	74	-21.25	272	205	H
* 4.824	44.21	MAv1	34.1	-30.4	1.75	49.66	54	-4.34	-	-	272	205	H
* 4.824	51.92	PK2	34.1	-30.4	0	55.62	-	-	74	-18.38	74	108	V
* 4.824	46.88	MAv1	34.1	-30.4	1.75	52.33	54	-1.67	-	-	74	108	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

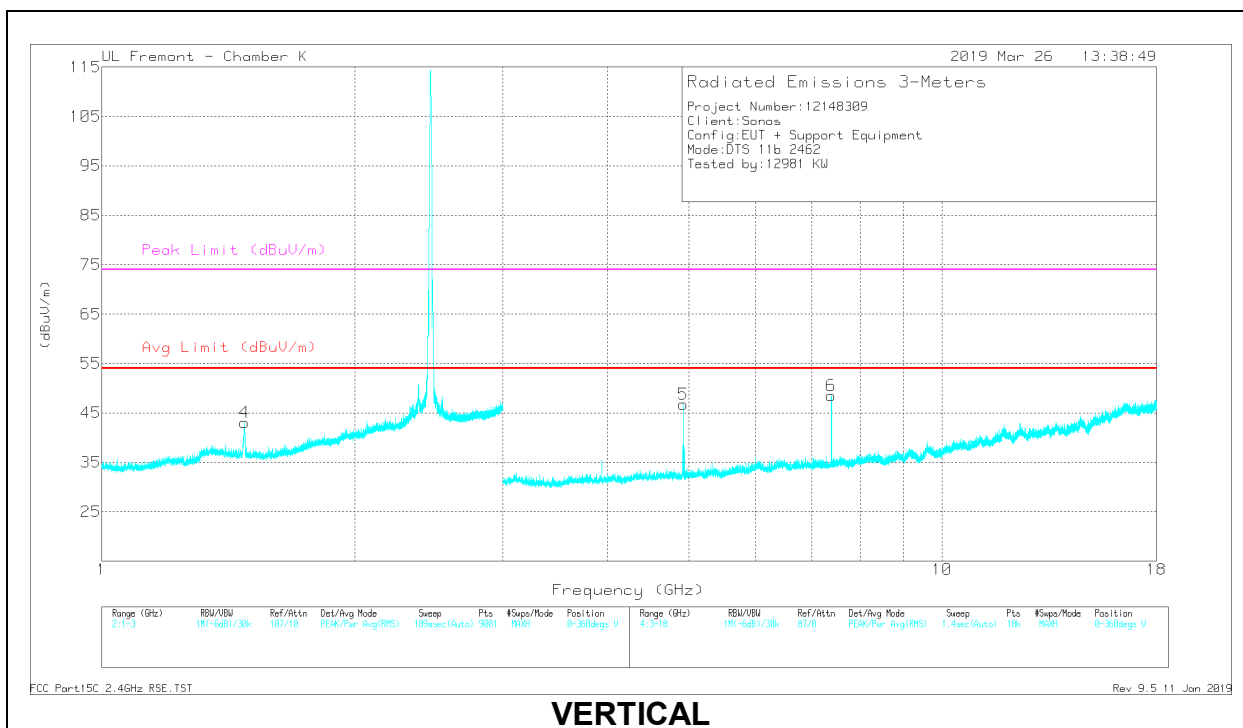
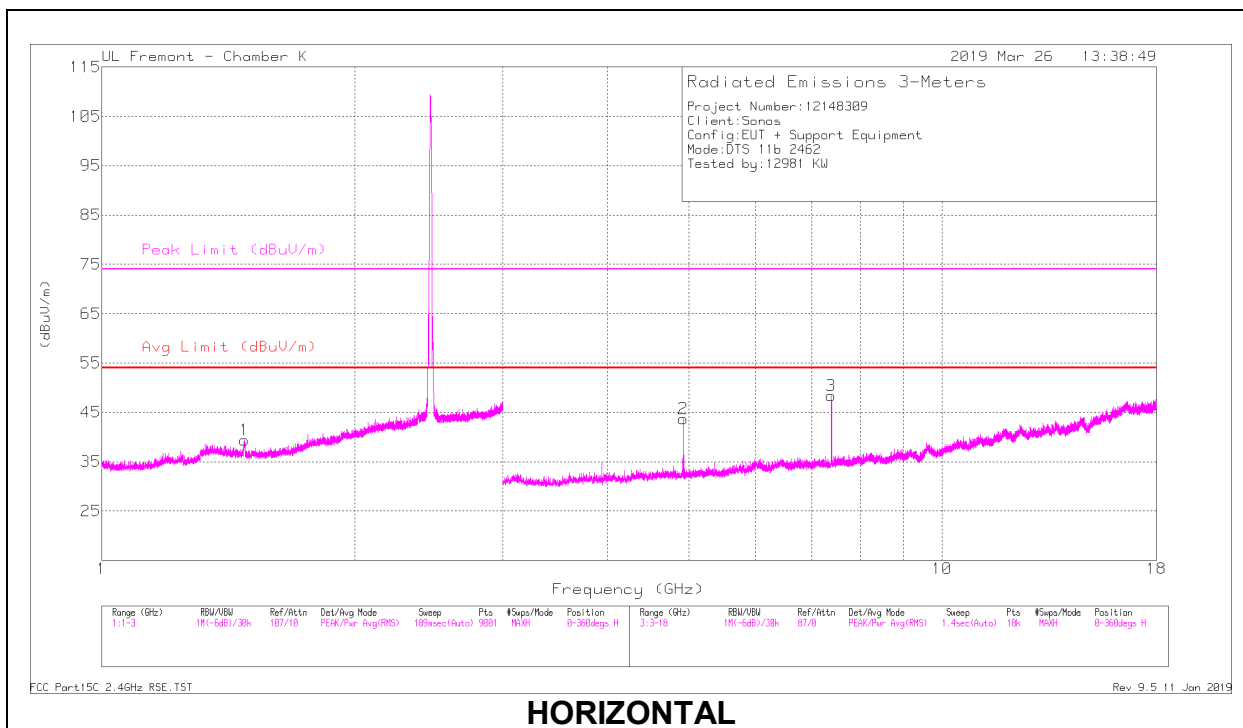
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.465	34.26	PK2	28.3	-16.7	0	45.86	-	-	74	-28.14	47	160	H
* 1.463	25.11	MAv1	28.3	-16.7	1.75	38.46	54	-15.54	-	-	47	160	H
* 1.464	37	PK2	28.3	-16.7	0	48.6	-	-	74	-25.4	29	125	V
* 1.464	29.17	MAv1	28.3	-16.7	1.75	42.52	54	-11.48	-	-	29	125	V
* 7.309	43.44	PK	35.5	-26.3	0	52.64	-	-	74	-21.36	198	149	H
* 7.309	37.47	MAv1	35.5	-26.3	1.75	48.42	54	-5.58	-	-	198	149	H
* 4.874	44.47	PK2	34.1	-30.5	0	48.07	-	-	74	-25.93	331	317	H
* 4.874	38.58	MAv1	34.1	-30.5	1.75	43.93	54	-10.07	-	-	331	317	H
* 7.312	44.05	PK2	35.5	-26.3	0	53.25	-	-	74	-20.75	256	104	V
* 7.312	38.45	MAv1	35.5	-26.3	1.75	49.4	54	-4.6	-	-	256	104	V
* 4.874	46.8	PK2	34.1	-30.5	0	50.4	-	-	74	-23.6	75	107	V
* 4.874	42.33	MAv1	34.1	-30.5	1.75	47.68	54	-6.32	-	-	75	107	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



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/FI tr/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
* 1.478	32.39	PK2	28.3	-16.7	0	43.99	-	-	74	-30.01	135	215	H
* 1.479	23.43	MAv1	28.3	-16.7	1.75	36.78	54	-17.22	-	-	135	215	H
* 1.476	34.4	PK2	28.3	-16.7	0	46	-	-	74	-28	177	196	V
* 1.476	24.57	MAv1	28.3	-16.7	1.75	37.92	54	-16.08	-	-	177	196	V
* 7.386	43.33	PK2	35.5	-26.5	0	52.33	-	-	74	-21.67	100	226	H
* 7.387	38.47	MAv1	35.5	-26.5	1.75	49.22	54	-4.78	-	-	100	226	H
* 4.924	43.93	PK2	34.2	-30.6	0	47.53	-	-	74	-26.47	221	222	H
* 4.924	38.8	MAv1	34.2	-30.6	1.75	44.15	54	-9.85	-	-	221	222	H
* 7.387	42.75	PK2	35.5	-26.5	0	51.75	-	-	74	-22.25	249	101	V
* 7.387	37.12	MAv1	35.5	-26.5	1.75	47.87	54	-6.13	-	-	249	101	V
* 4.924	45.65	PK2	34.2	-30.6	0	49.25	-	-	74	-24.75	250	106	V
* 4.924	39.75	MAv1	34.2	-30.6	1.75	45.1	54	-8.9	-	-	250	106	V

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

PK2 - KDB558074 Method: Maximum Peak

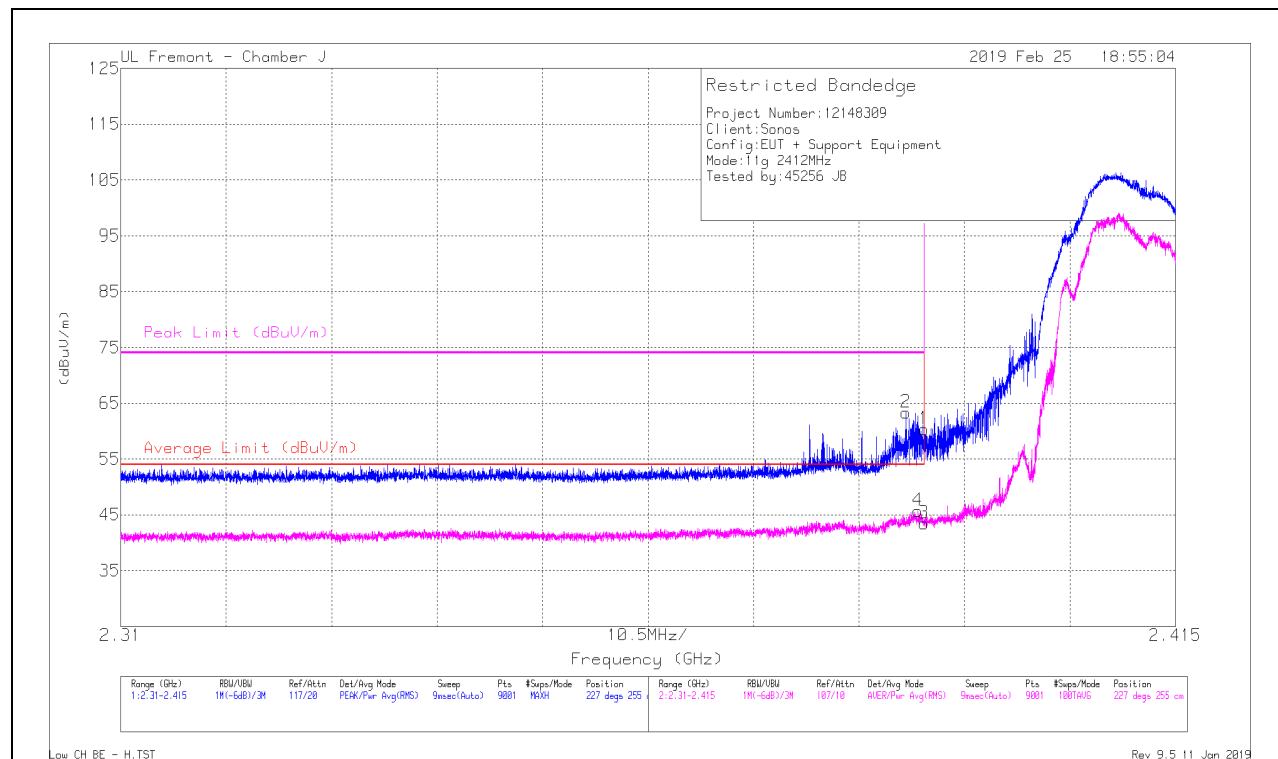
MAv1 - KDB558074 Option 1 Maximum RMS Average

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

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

BANDEGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



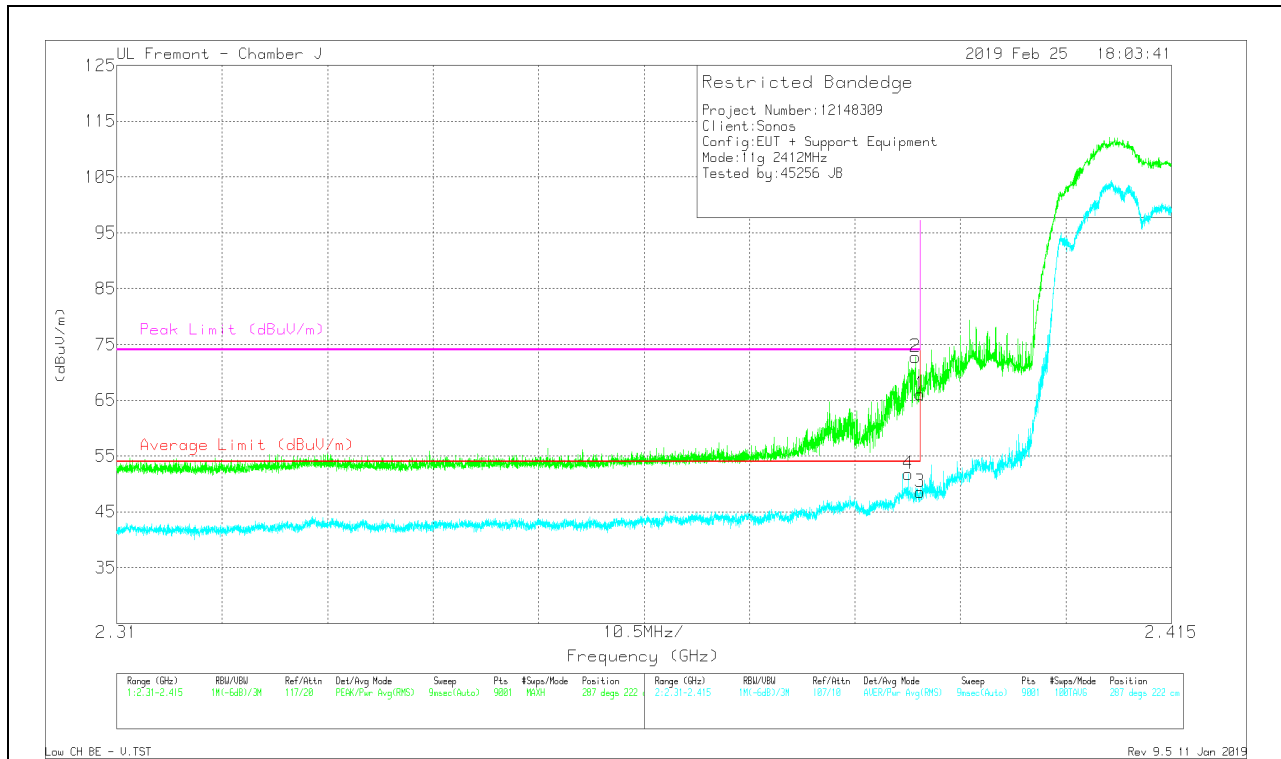
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Chl/Filt/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	54.12	Pk	32	-25.8	0	60.32	-	-	74	-13.68	227	255	H
2	* 2.388	57.17	Pk	32	-25.8	0	63.37	-	-	74	-10.63	227	255	H
3	* 2.39	34.39	RMS	32	-25.8	2.92	43.51	54	-10.49	-	-	227	255	H
4	* 2.389	36.55	RMS	32	-25.8	2.92	45.67	54	-8.33	-	-	227	255	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 AT0067 (dBm)	Amp/CM/Filt/Pa d (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	* 2.39	59.89	Pk	32	-25.8	0	66.09	-	-	74	-7.91	287	222	V
2	* 2.39	66.53	Pk	32	-25.8	0	72.73	-	-	74	-1.27	287	222	V
3	* 2.39	39.47	RMS	32	-25.8	2.92	48.59	54	-5.41	-	-	287	222	V
4	* 2.389	42.65	RMS	32	-25.8	2.92	51.77	54	-2.23	-	-	287	222	V

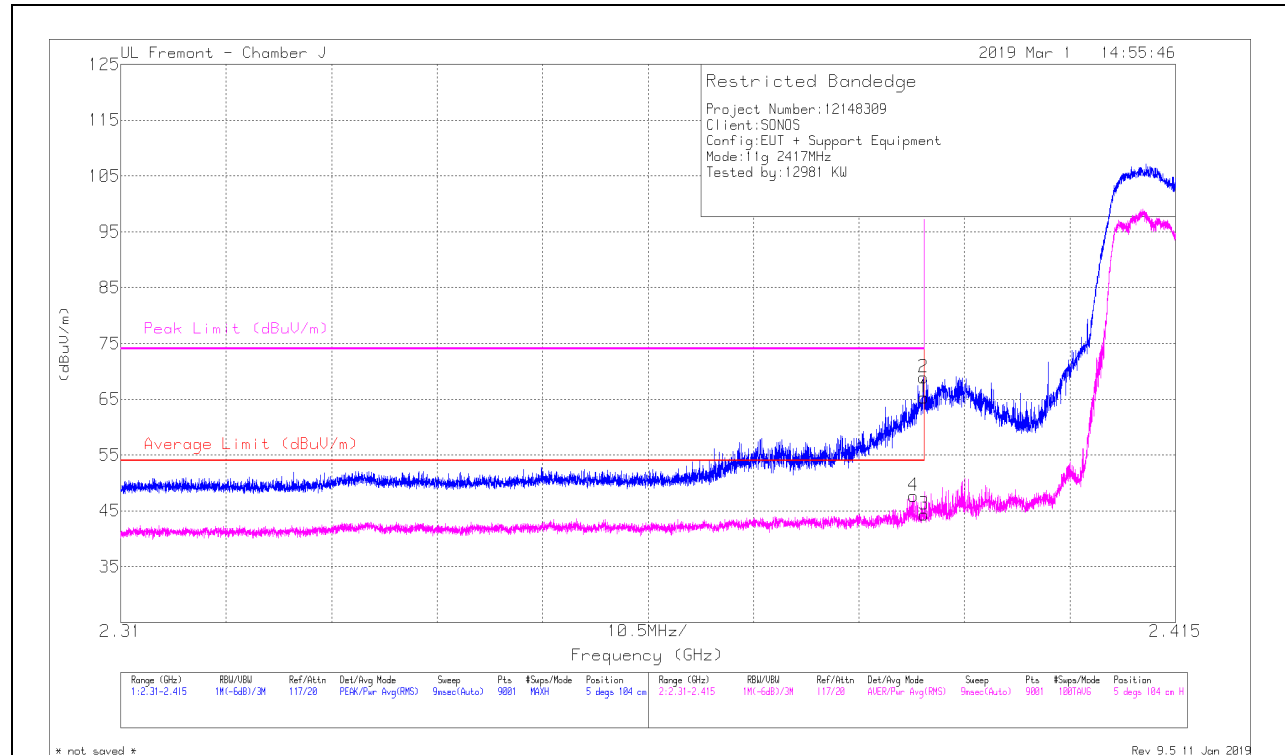
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT



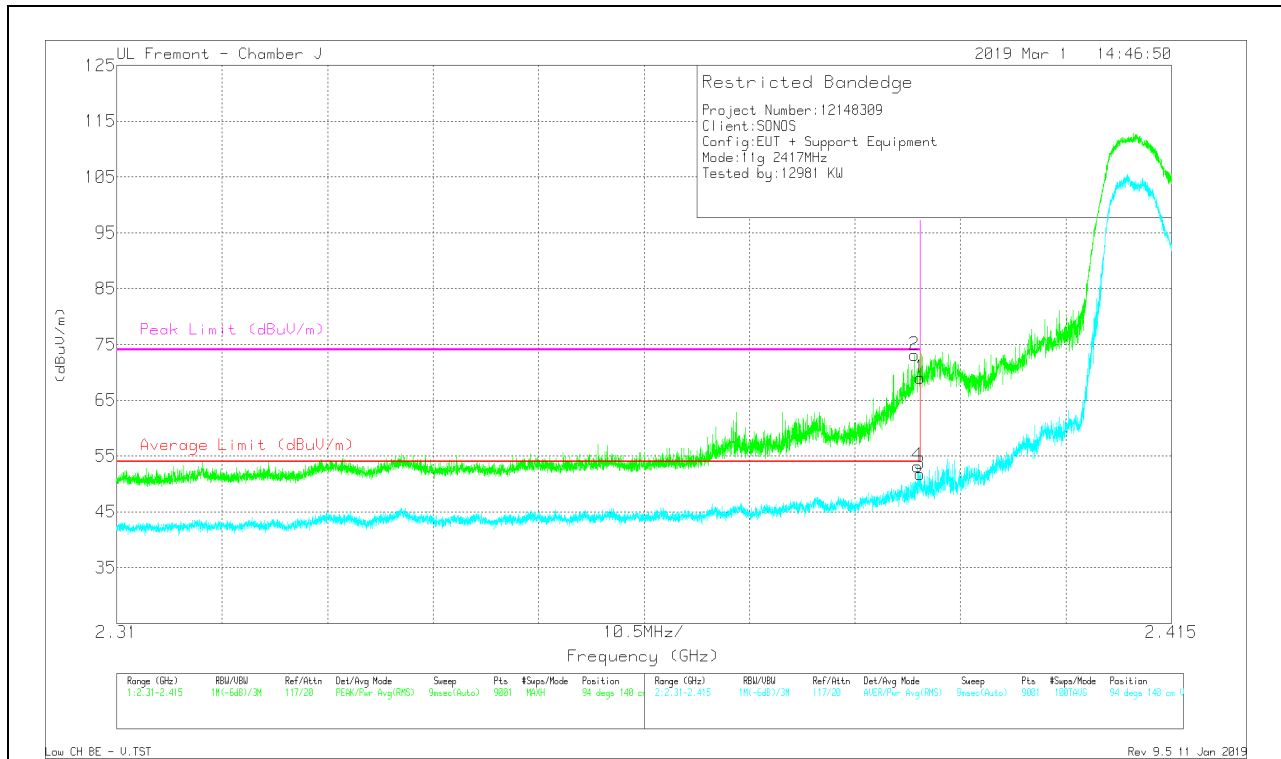
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dBm)	Amp/CBI/Fitr/Par d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.65	Pk	29.5	-25.8	0	65.35	-	-	74	-8.65	5	104	H
2	* 2.39	65.25	Pk	29.5	-25.8	0	68.95	-	-	74	-5.05	5	104	H
3	* 2.39	37.74	RMS	29.5	-25.8	2.92	44.36	54	-9.64	-	-	5	104	H
4	* 2.389	41.09	RMS	29.5	-25.8	2.92	47.71	54	-6.29	-	-	5	104	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 PRE0169055 (dBm)	Amp/CM/FitrPa d (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	* 2.39	65.37	Pk	29.5	-25.8	0	69.07	-	-	74	-4.93	94	140	V
2	* 2.389	69.41	Pk	29.5	-25.8	0	73.11	-	-	74	-8.89	94	140	V
3	* 2.39	45.13	RMS	29.5	-25.8	2.92	51.75	54	-2.25	-	-	94	140	V
4	* 2.39	46.59	RMS	29.5	-25.8	2.92	53.21	54	-7.79	-	-	94	140	V

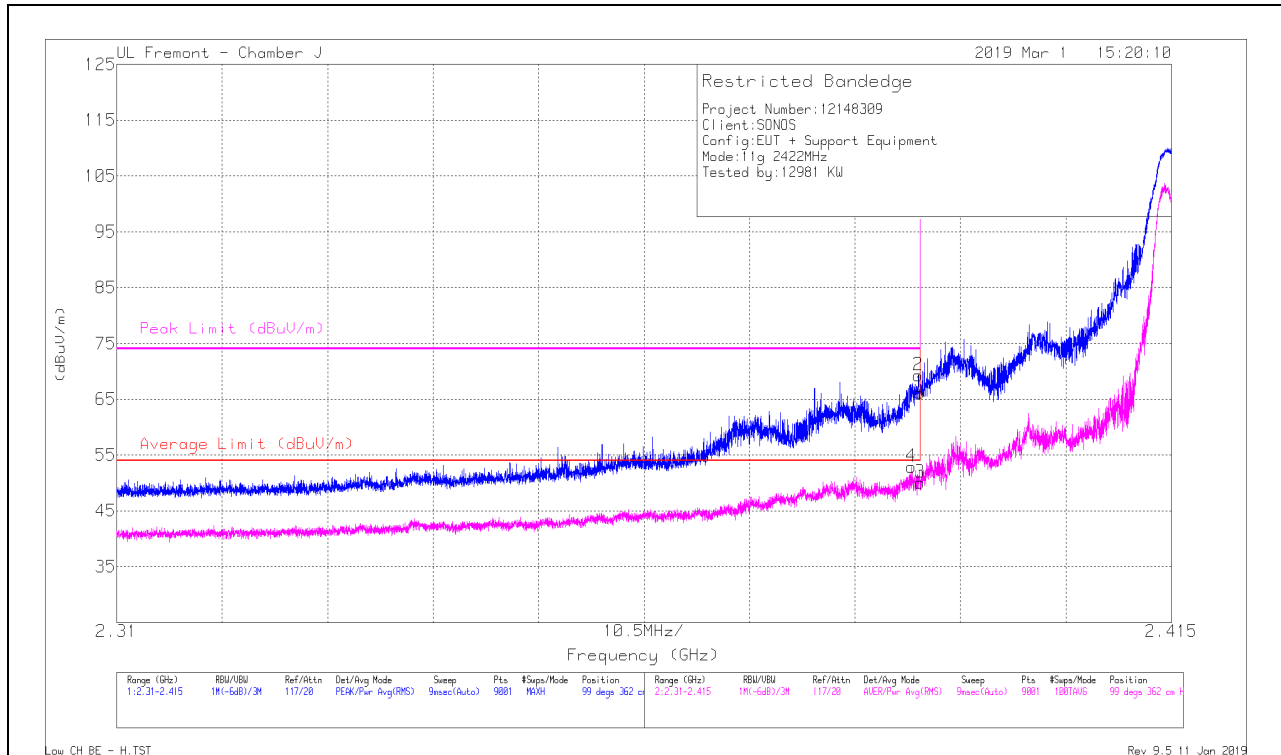
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (LOW CHANNEL, CH 3)

HORIZONTAL RESULT



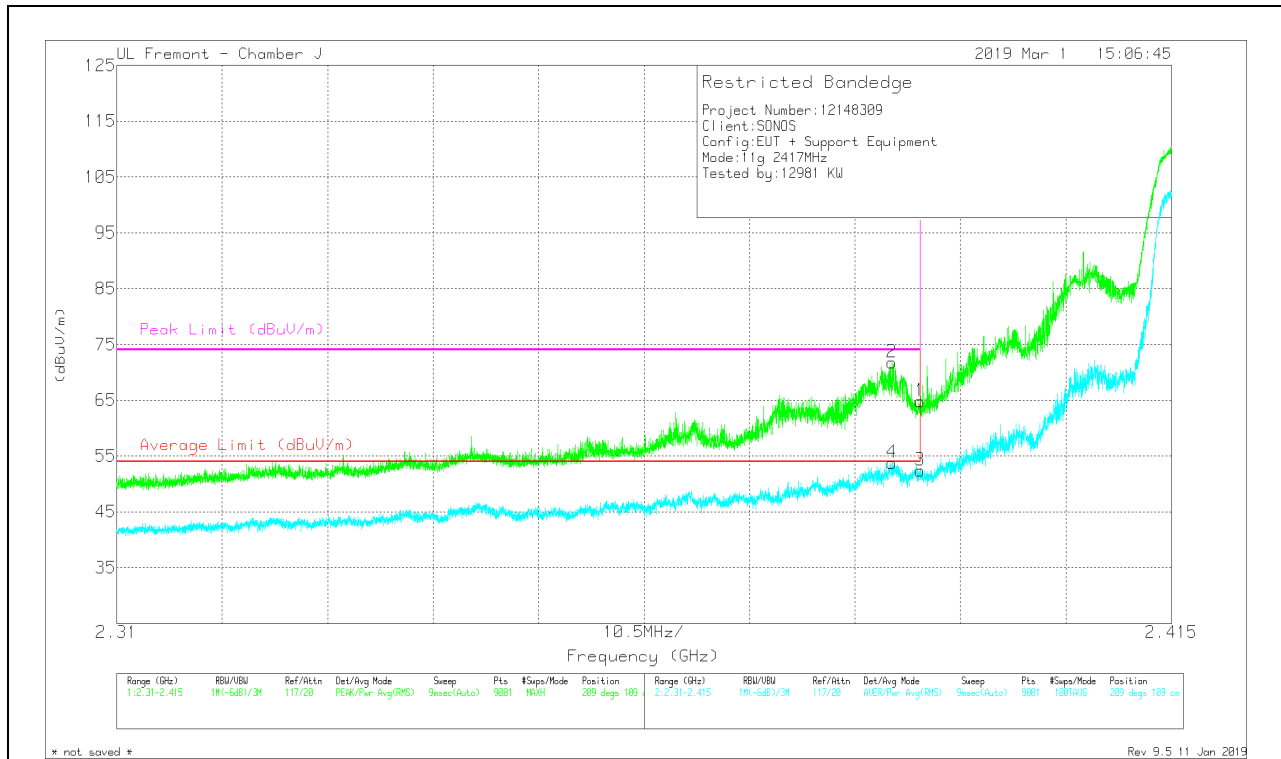
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dBm)	Amp/CBI/Fitr/Par d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	62.44	Pk	29.5	-25.8	0	66.14	-	-	74	-7.86	99	362	H
2	* 2.39	65.58	Pk	29.5	-25.8	0	69.28	-	-	74	-4.72	99	362	H
3	* 2.39	43.45	RMS	29.5	-25.8	2.92	50.07	54	-3.93	-	-	99	362	H
4	* 2.389	46.27	RMS	29.5	-25.8	2.92	52.89	54	-1.11	-	-	99	362	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 PRE0169055 (dBm)	Amp/CM/FitrPa d (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	* 2.39	61.1	Pk	29.5	-25.8	0	64.8	-	-	74	-9.2	209	109	V
2	* 2.387	68.03	Pk	29.5	-25.8	0	71.73	-	-	74	-2.27	209	109	V
3	* 2.39	45.8	RMS	29.5	-25.8	2.92	52.42	54	-1.58	-	-	209	109	V
4	* 2.387	47.2	RMS	29.5	-25.8	2.92	53.82	54	-1.18	-	-	209	109	V

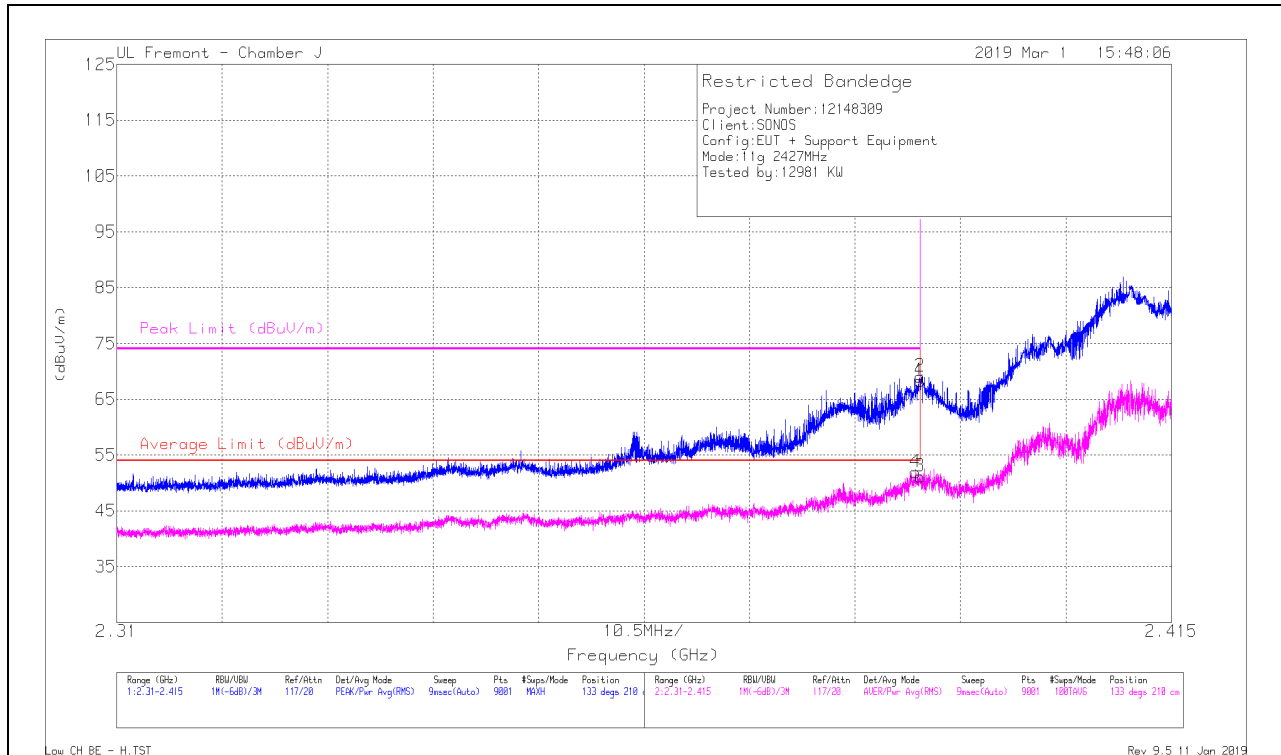
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 4)

HORIZONTAL RESULT



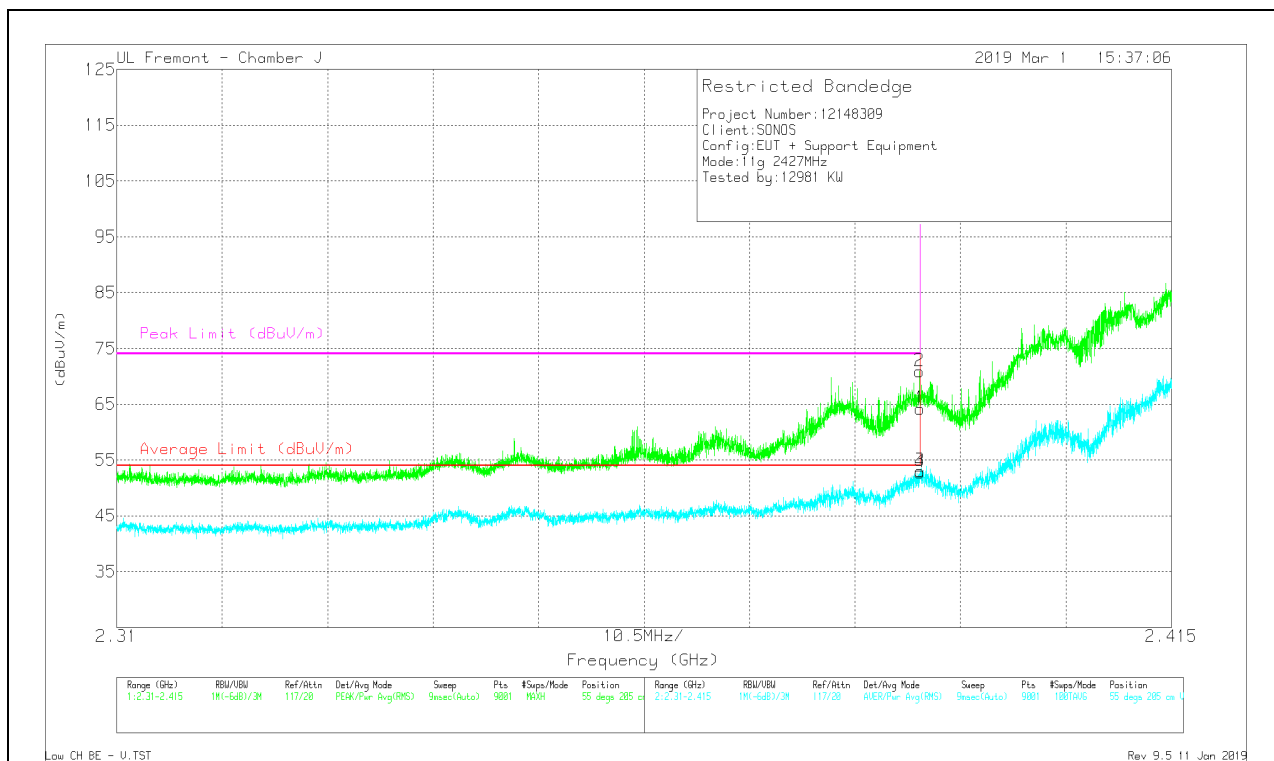
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dBm)	Amp/CBI/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	64.65	Pk	29.5	-25.8	0	68.35	-	-	74	-5.65	133	210	H
2	* 2.39	65.35	Pk	29.5	-25.8	0	69.05	-	-	74	-4.95	133	210	H
3	* 2.39	44.58	RMS	29.5	-25.8	2.92	51.2	54	-2.8	-	-	133	210	H
4	* 2.39	45.34	RMS	29.5	-25.8	2.92	51.96	54	-2.04	-	-	133	210	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 PRE0169055 (dBm)	Amp/CM/Filtr/Par d (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	60.46	Pk	29.5	-25.8	0	64.16	-	-	74	-9.84	55	205	V
2	* 2.39	67.22	Pk	29.5	-25.8	0	70.92	-	-	74	-3.08	55	205	V
3	* 2.39	46.38	RMS	29.5	-25.8	2.92	53	54	-1	-	-	55	205	V
4	* 2.39	46.14	RMS	29.5	-25.8	2.92	52.76	54	-1.24	-	-	55	205	V

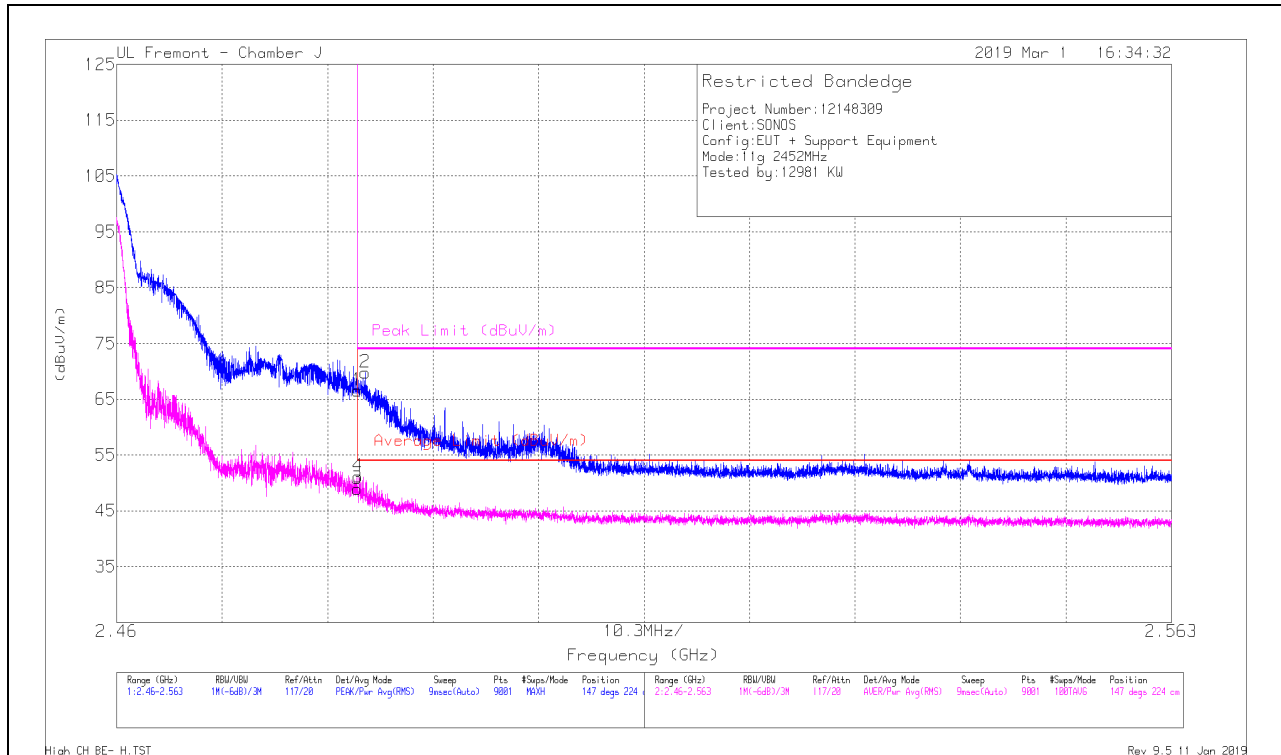
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL, CH 9)

HORIZONTAL RESULT



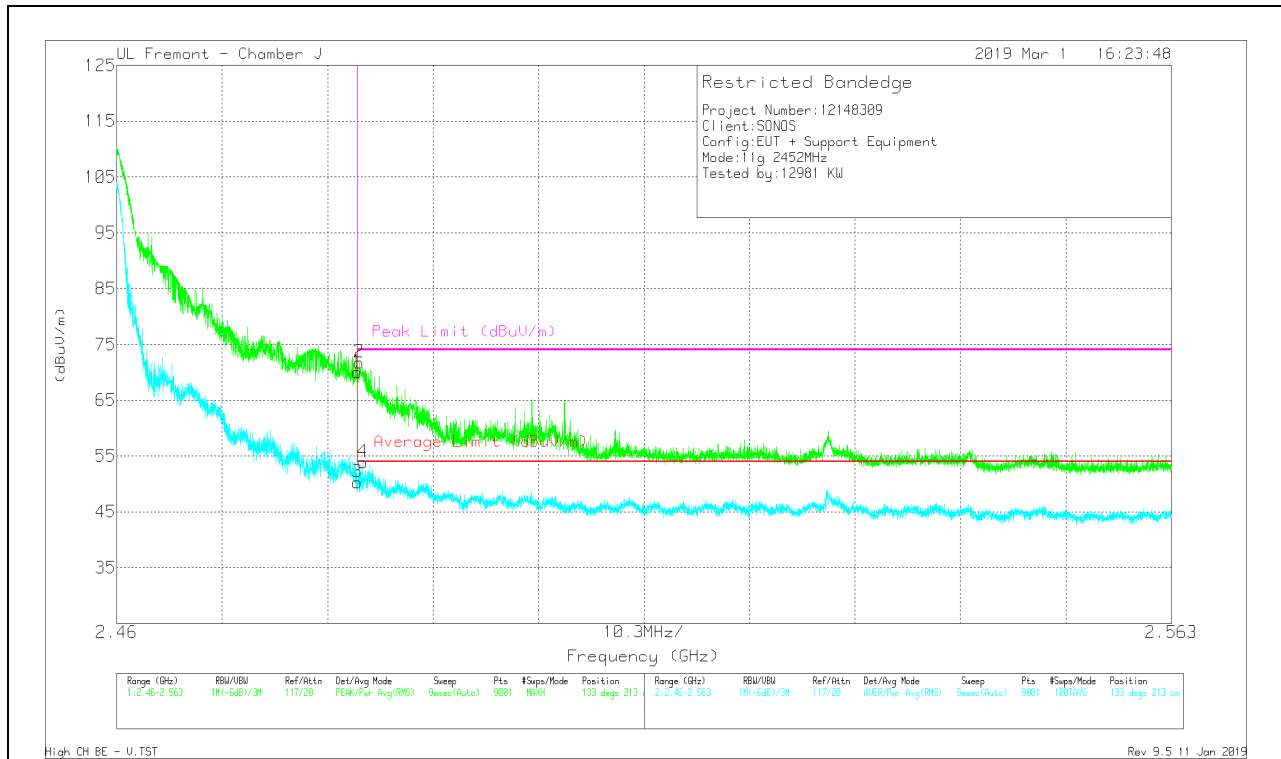
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE018055 (dBm)	Amp/CBI/FitrPa d (dB)	DC Corr (dB)	Corrected Reading (dBm)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	62.4	Pk	29.9	-25.8	0	66.5	-	-	74	-7.5	147	224	H
2	* 2.484	65.68	Pk	29.9	-25.8	0	69.78	-	-	74	-4.22	147	224	H
3	* 2.484	41.85	RMS	29.9	-25.8	2.92	48.87	54	-5.13	-	-	147	224	H
4	* 2.484	44.17	RMS	29.9	-25.8	2.92	51.19	54	-2.81	-	-	147	224	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 PRE0169055 (dBm)	Amp/CM/Filt/Par d (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	* 2.484	65.96	Pk	29.9	-25.8	0	70.06	-	-	74	-3.94	133	213	V
2	* 2.484	67.68	Pk	29.9	-25.8	0	71.78	-	-	74	-2.22	133	213	V
3	* 2.484	43.26	RMS	29.9	-25.8	2.92	50.28	54	-3.72	-	-	133	213	V
4	* 2.484	46.91	RMS	29.9	-25.8	2.92	53.93	54	-0.07	-	-	133	213	V

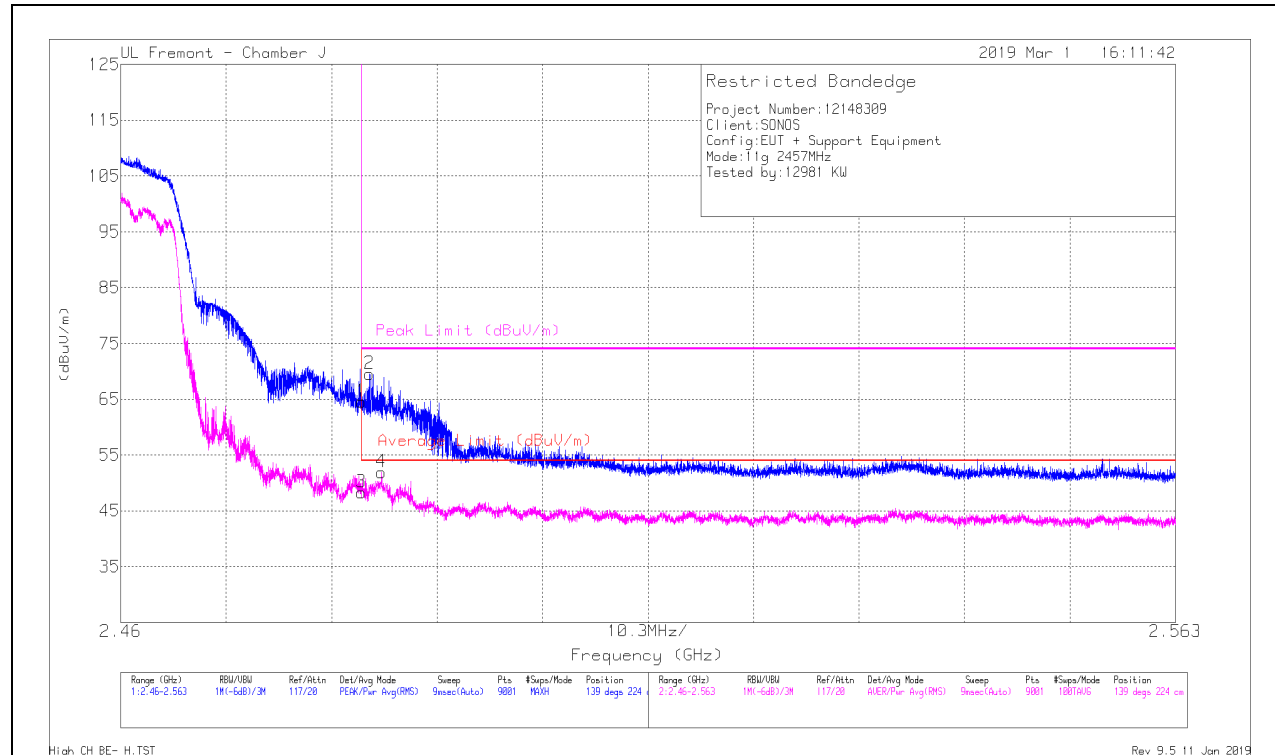
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



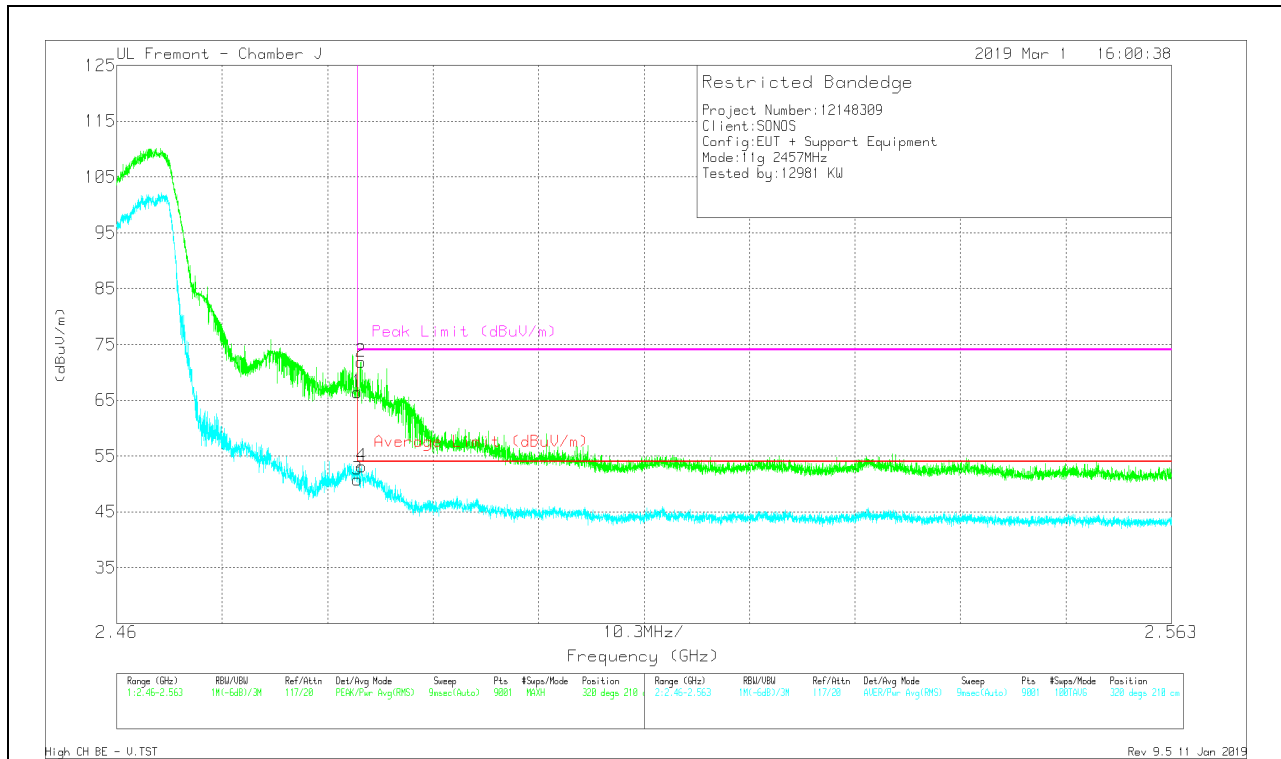
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dBm)	Amp/CBI/Fitr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	60.46	Pk	29.9	-25.8	0	64.56	-	-	74	-9.44	139	224	H
2	* 2.484	65.38	Pk	29.9	-25.8	0	69.48	-	-	74	-4.52	139	224	H
3	* 2.484	41.29	RMS	29.9	-25.8	2.92	48.31	54	-5.69	-	-	139	224	H
4	* 2.485	44.74	RMS	29.9	-25.7	2.92	51.86	54	-2.14	-	-	139	224	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 PRE0169055 (dBm)	Amp/CM/Filt/Par d (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	* 2.484	62.28	Pk	29.9	-25.8	0	66.38	-	-	74	-7.62	320	210	V
2	* 2.484	67.82	Pk	29.9	-25.8	0	71.92	-	-	74	-2.08	320	210	V
3	* 2.484	43.74	RMS	29.9	-25.8	2.92	50.76	54	-3.24	-	-	320	210	V
4	* 2.484	46.11	RMS	29.9	-25.8	2.92	53.13	54	-1.87	-	-	320	210	V

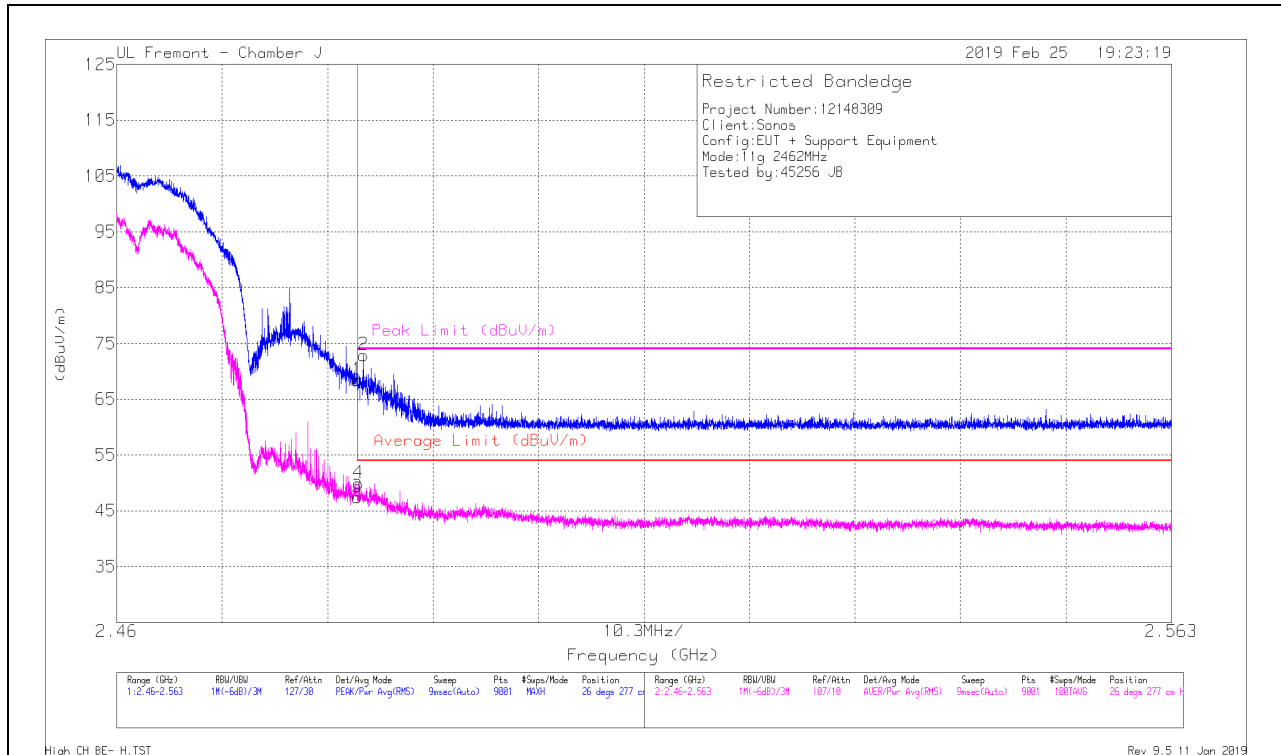
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



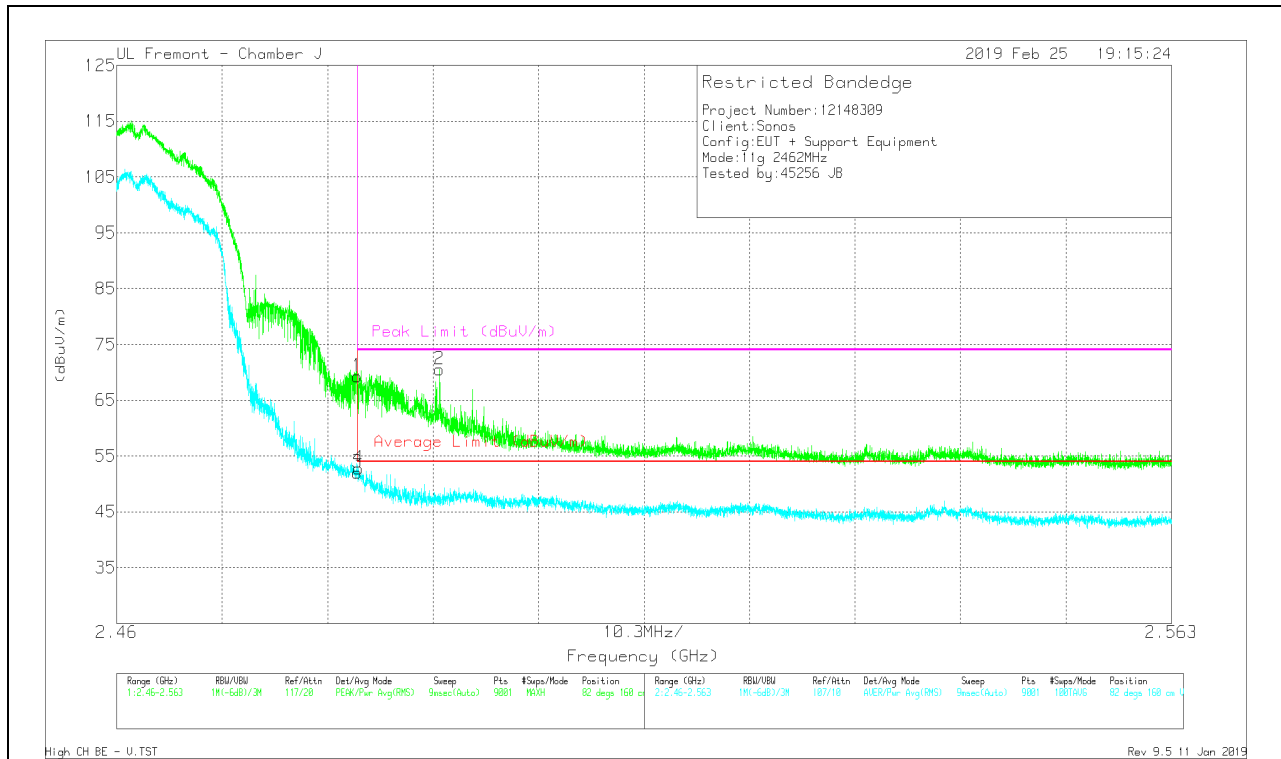
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/CBI/Fitr/Par d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	61.77	Pk	32.5	-25.8	0	68.47	-	-	74	-5.53	26	277	H
2	* 2.484	66.19	Pk	32.5	-25.8	0	72.89	-	-	74	-1.11	26	277	H
3	* 2.484	37.84	RMS	32.5	-25.8	2.92	47.46	54	-6.54	-	-	26	277	H
4	* 2.484	40.27	RMS	32.5	-25.8	2.92	49.89	54	-4.11	-	-	26	277	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 AT0067 (dBm)	Amp/CM/Filt/Par d (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	* 2.484	62.6	Pk	32.5	-25.8	0	69.3	-	-	74	-4.7	82	160	V
2	* 2.492	63.8	Pk	32.5	-25.8	0	70.5	-	-	74	-3.5	82	160	V
3	* 2.484	42.37	RMS	32.5	-25.8	2.92	51.99	54	-2.01	-	-	82	160	V
4	* 2.484	43.16	RMS	32.5	-25.8	2.92	52.78	54	-1.22	-	-	82	160	V

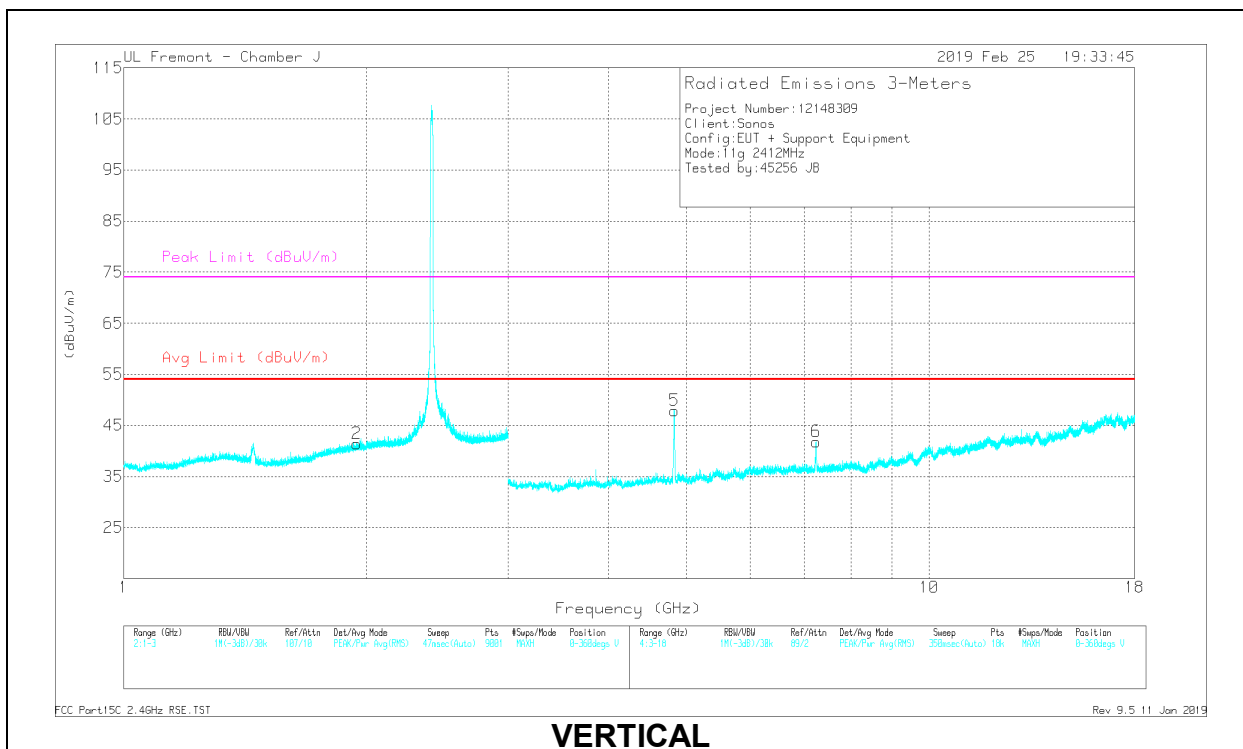
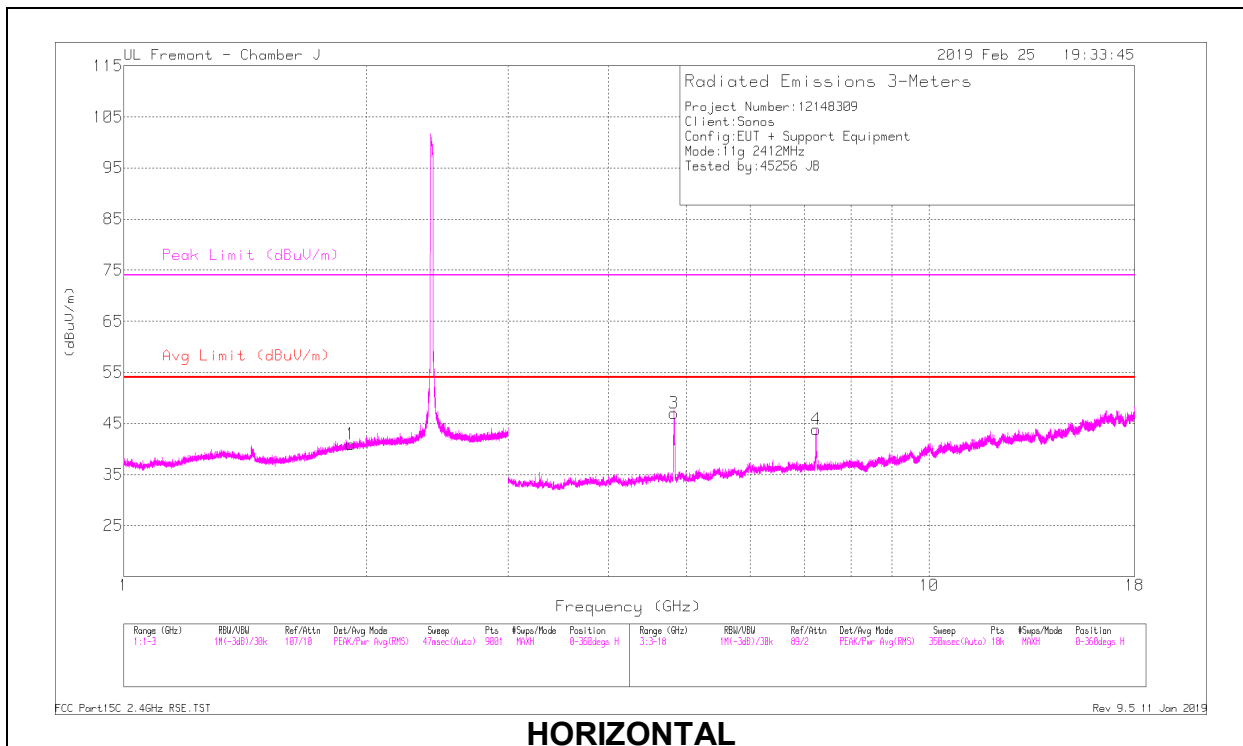
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

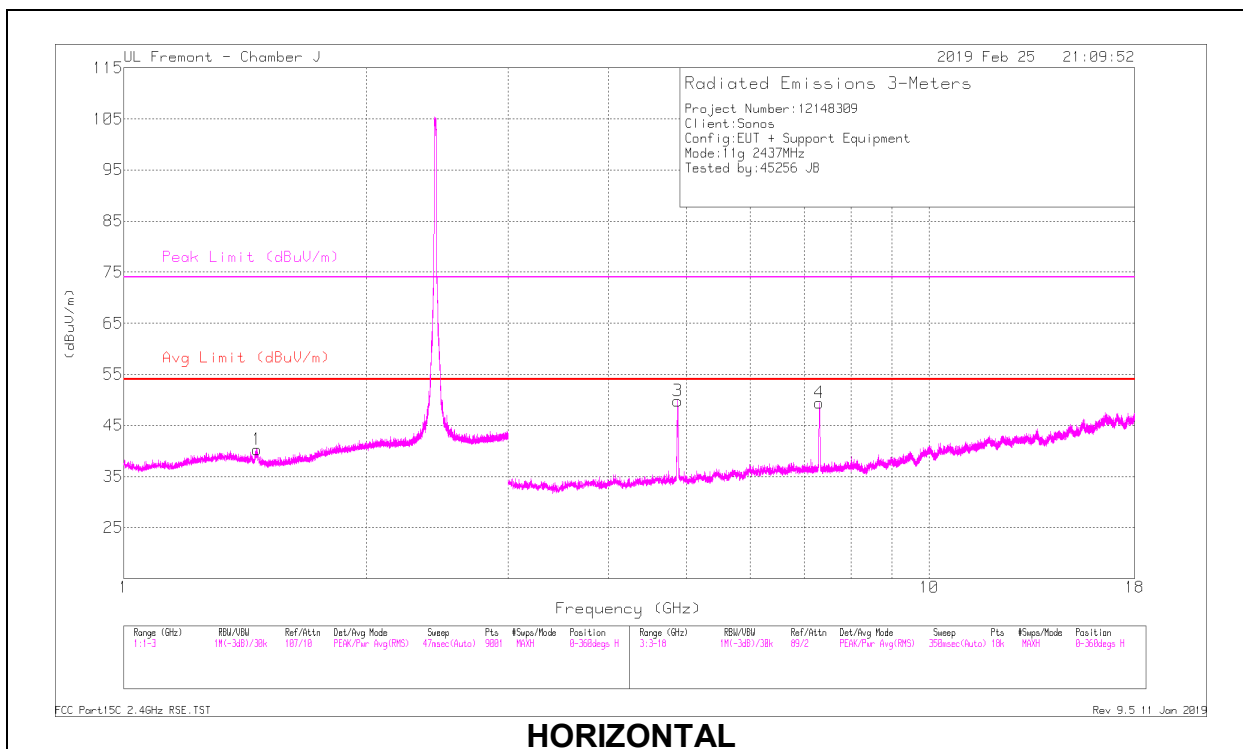
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.825	53.51	PK2	34.1	-31.5	0	56.11	-	-	74	-17.89	30	204	H
* 4.825	40.83	MAv1	34.1	-31.5	2.92	46.35	54	-7.65	-	-	30	204	H
* 4.83	55.46	PK2	34.1	-31.5	0	58.06	-	-	74	-15.94	74	110	V
* 4.829	41.41	MAv1	34.1	-31.5	2.92	46.93	54	-7.07	-	-	74	110	V

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

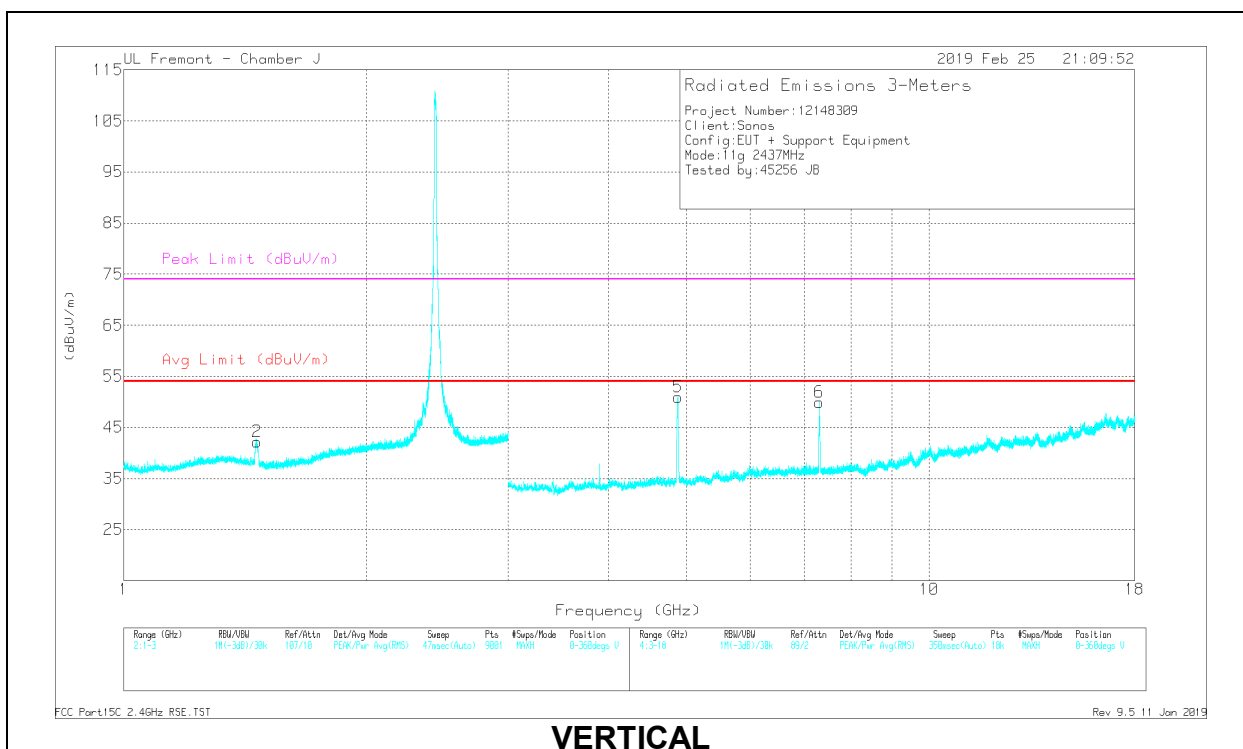
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

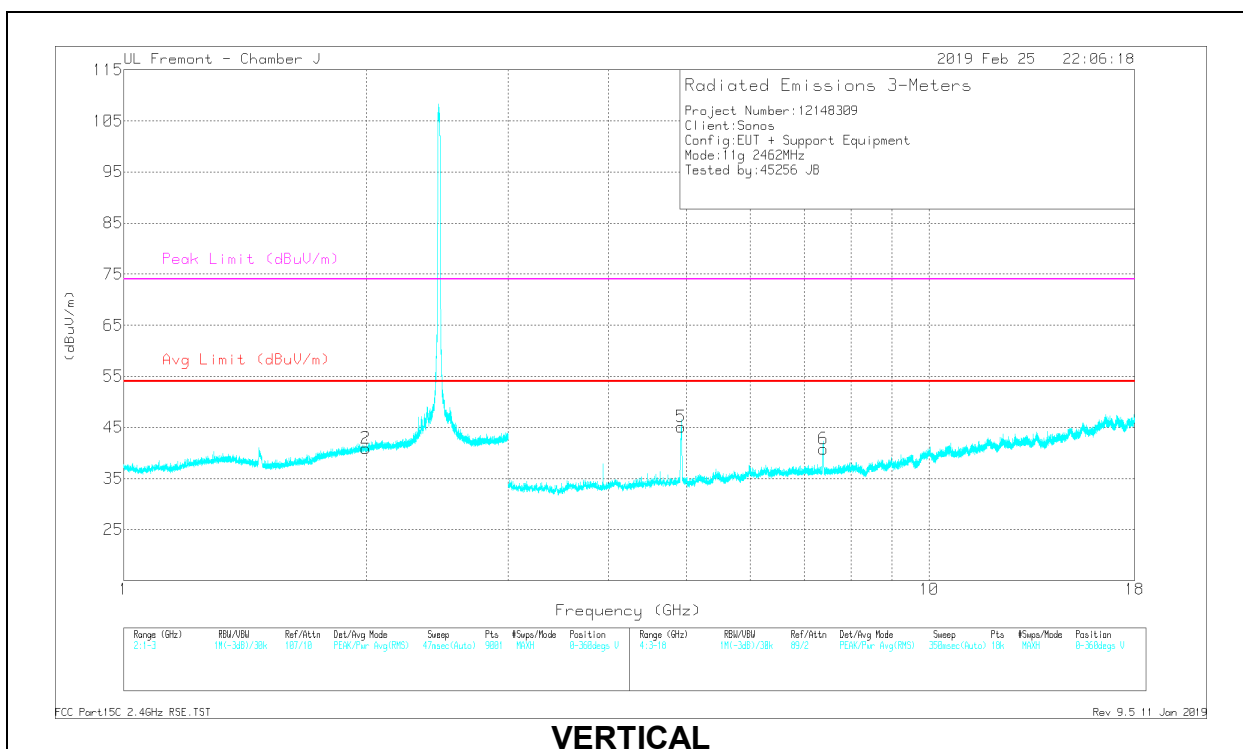
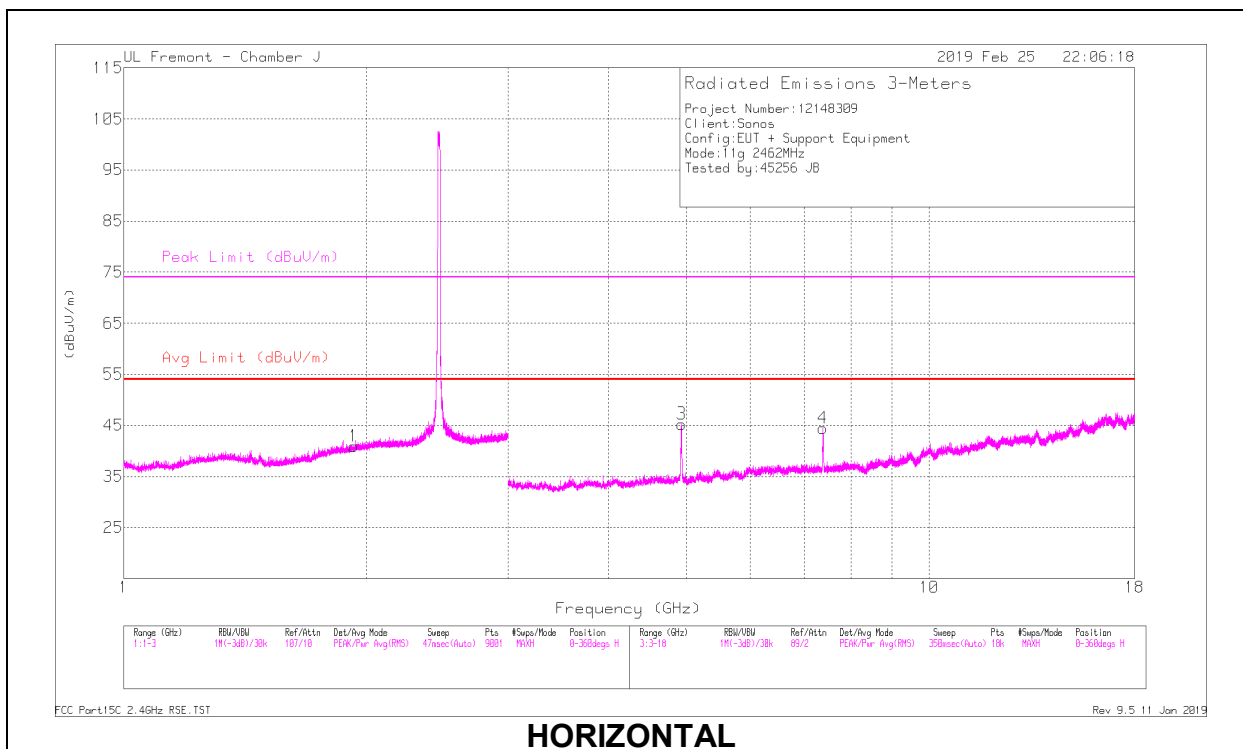
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.463	46.18	PK2	28.4	-26.1	0	48.48	-	-	74	-25.52	128	191	H
* 1.463	36.1	MAv1	28.4	-26.1	2.92	41.32	54	-12.68	-	-	128	191	H
* 1.463	50.43	PK2	28.4	-26.1	0	52.73	-	-	74	-21.27	119	159	V
* 1.464	38.42	MAv1	28.4	-26.1	2.92	43.64	54	-10.36	-	-	119	159	V
* 4.876	55.97	PK2	34	-31.4	0	58.57	-	-	74	-15.43	348	286	H
* 4.877	42.05	MAv1	34	-31.4	2.92	47.57	54	-6.43	-	-	348	286	H
* 7.307	55.62	PK2	35.7	-27.5	0	63.82	-	-	74	-10.18	334	190	H
* 7.306	38.24	MAv1	35.7	-27.5	2.92	49.36	54	-4.64	-	-	334	190	H
* 4.879	59.35	PK2	34	-31.4	0	61.95	-	-	74	-12.05	334	109	V
* 4.88	45.6	MAv1	34	-31.4	2.92	51.12	54	-2.88	-	-	334	109	V
* 7.302	51.41	PK2	35.7	-27.4	0	59.71	-	-	74	-14.29	329	121	V
* 7.303	36.55	MAv1	35.7	-27.5	2.92	47.67	54	-6.33	-	-	329	121	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



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/FI tr/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
* 4.924	51.38	PK2	34	-30.9	0	54.48	-	-	74	-19.52	341	124	H
* 4.925	38.38	MAv1	34	-30.9	2.92	44.4	54	-9.6	-	-	341	124	H
* 7.38	55.02	PK2	35.6	-27.6	0	63.02	-	-	74	-10.98	338	204	H
* 7.38	31.5	MAv1	35.6	-27.6	2.92	42.42	54	-11.58	-	-	338	204	H
* 4.922	52.29	PK2	34	-30.9	0	55.39	-	-	74	-18.61	154	111	V
* 4.922	37.26	MAv1	34	-30.9	2.92	43.28	54	-10.72	-	-	154	111	V
* 7.39	48.22	PK2	35.6	-27.5	0	56.32	-	-	74	-17.68	277	138	V
* 7.391	31.07	MAv1	35.6	-27.5	2.92	42.09	54	-11.91	-	-	277	138	V

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

PK2 - KDB558074 Method: Maximum Peak

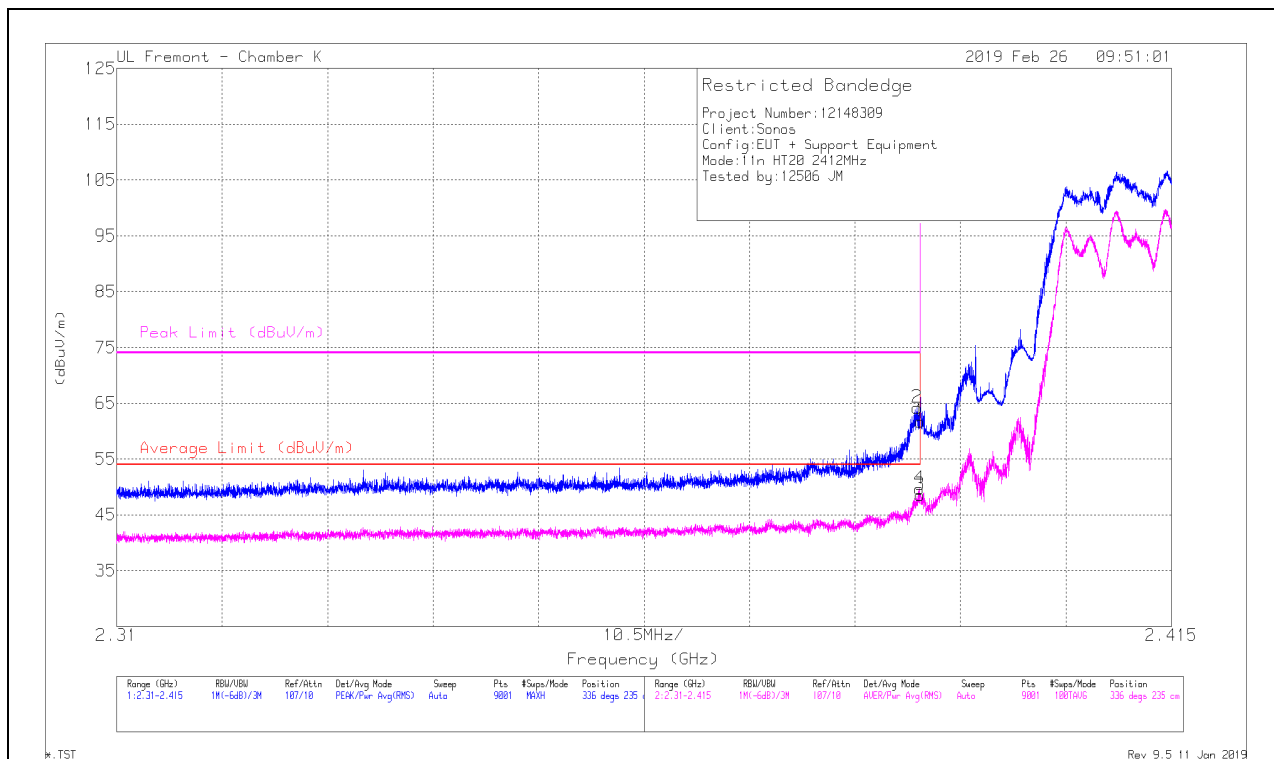
MAv1 - KDB558074 Option 1 Maximum RMS Average

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

BANDEGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



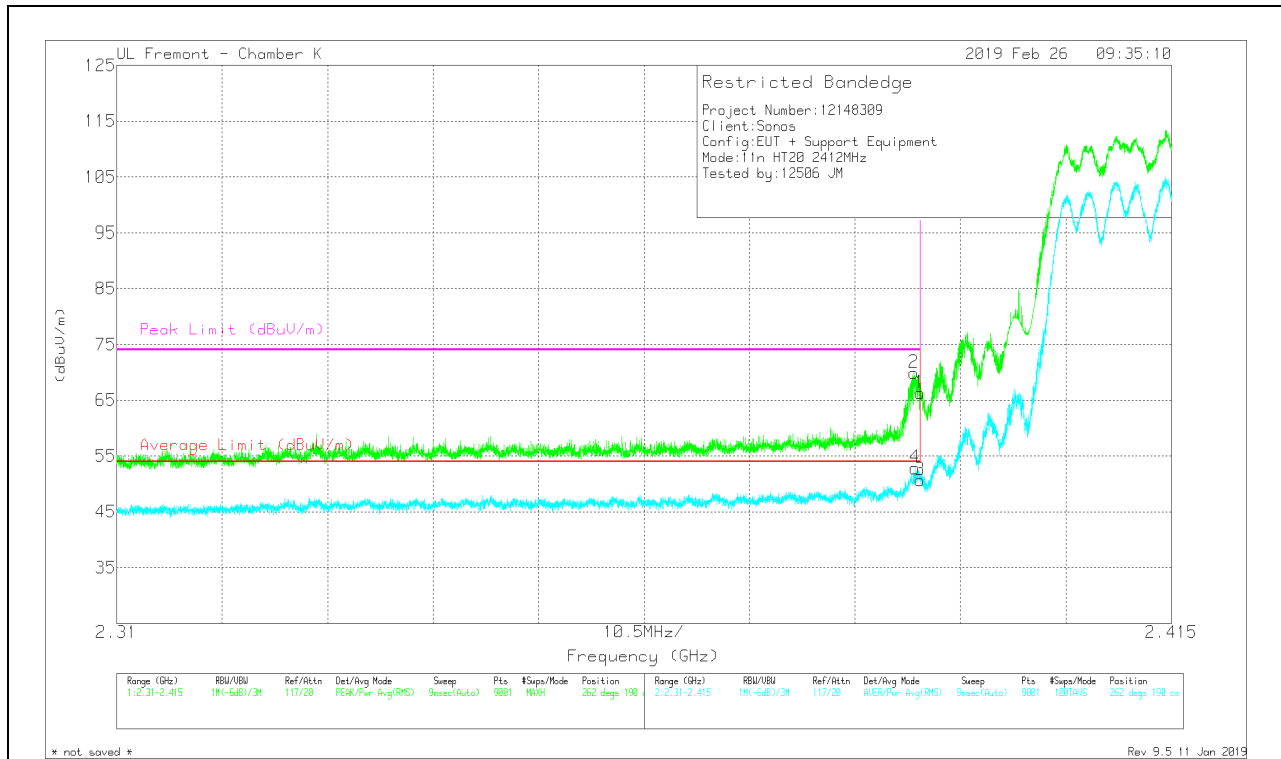
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	54.9	Pk	31.9	-24.7	0	61.7	-	-	74	-12.3	336	235	H
2	* 2.39	57.03	Pk	31.9	-24.7	0	64.23	-	-	74	-9.77	336	235	H
3	* 2.39	38.95	RMS	31.9	-24.7	2.44	48.59	54	-5.41	-	-	336	235	H
4	* 2.39	40.01	RMS	31.9	-24.7	2.44	49.65	54	-4.35	-	-	336	235	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 T344 (dB/m)	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)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.09	Pk	31.9	-24.7	0	66.29	-	-	74	-7.71	262	190	V
2	* 2.389	62.71	Pk	31.9	-24.7	0	69.91	-	-	74	-4.09	262	190	V
3	* 2.39	41.07	RMS	31.9	-24.7	2.44	50.71	54	-3.29	-	-	262	190	V
4	* 2.389	43.2	RMS	31.9	-24.7	2.44	52.84	54	-1.16	-	-	262	190	V

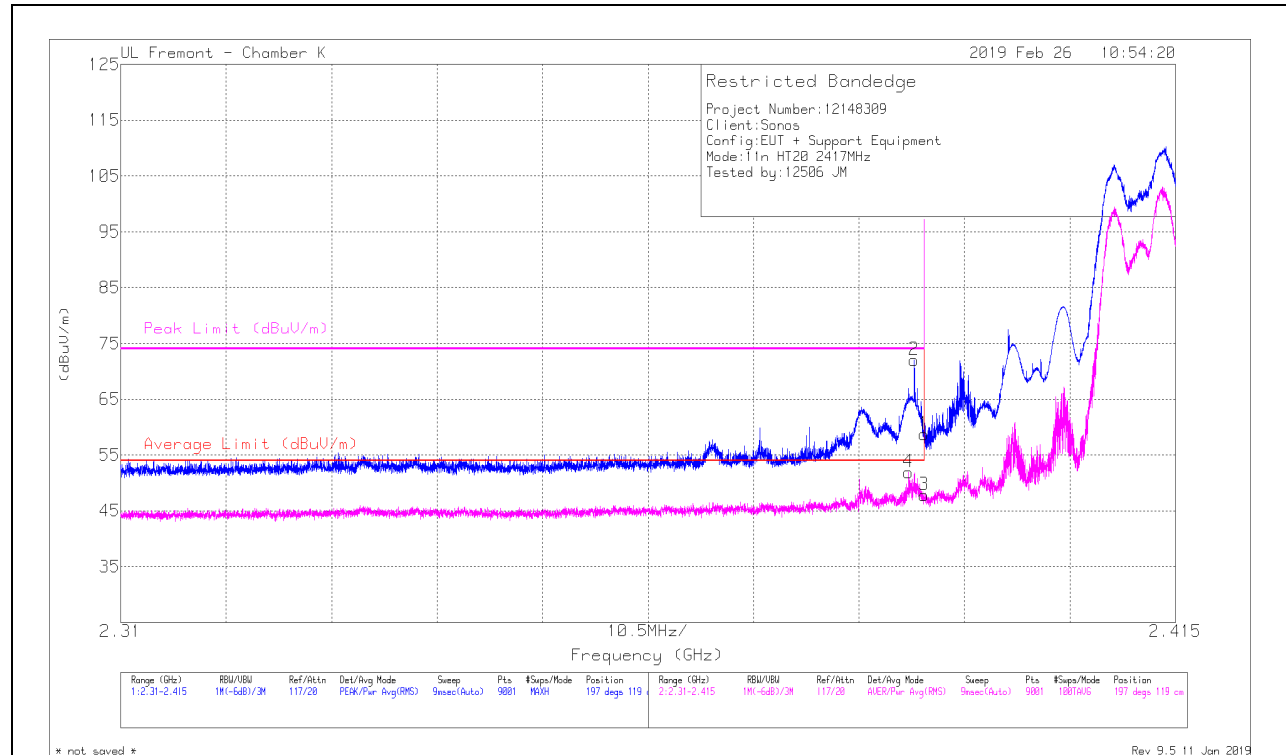
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT



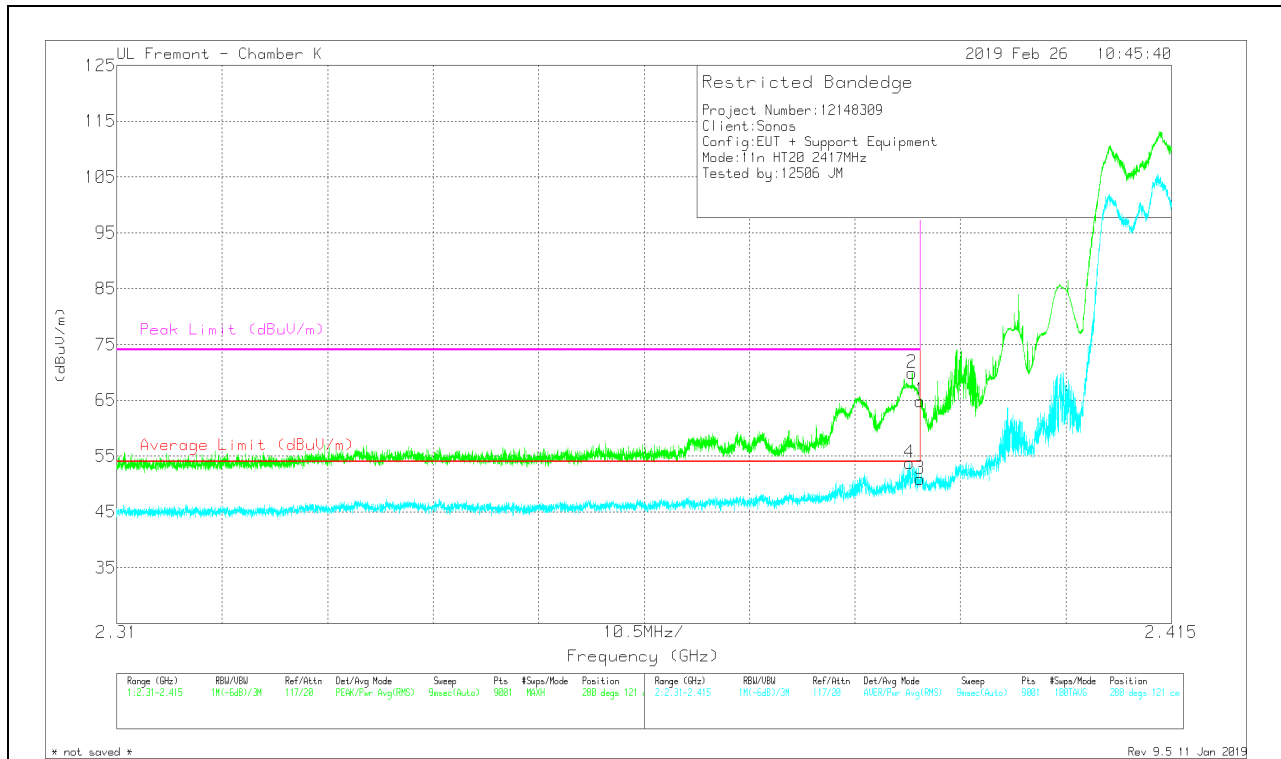
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.51	Pk	31.9	-24.7	0	58.71	-	-	74	-15.29	197	119	H
2	* 2.389	64.77	Pk	31.9	-24.7	0	71.97	-	-	74	-2.03	197	119	H
3	* 2.39	38.16	RMS	31.9	-24.7	2.44	47.8	54	-6.2	-	-	197	119	H
4	* 2.388	42.2	RMS	31.9	-24.6	2.44	51.94	54	-2.06	-	-	197	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 T344 (dB/m)	Amp/Cb/Filt/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	* 2.39	57.68	Pk	31.9	-24.7	0	64.88	-	-	74	-9.12	280	121	V
2	* 2.389	62.7	Pk	31.9	-24.7	0	69.9	-	-	74	-4.1	280	121	V
3	* 2.39	41.28	RMS	31.9	-24.7	2.44	50.92	54	-3.08	-	-	280	121	V
4	* 2.389	44.08	RMS	31.9	-24.7	2.44	53.72	54	-2.8	-	-	280	121	V

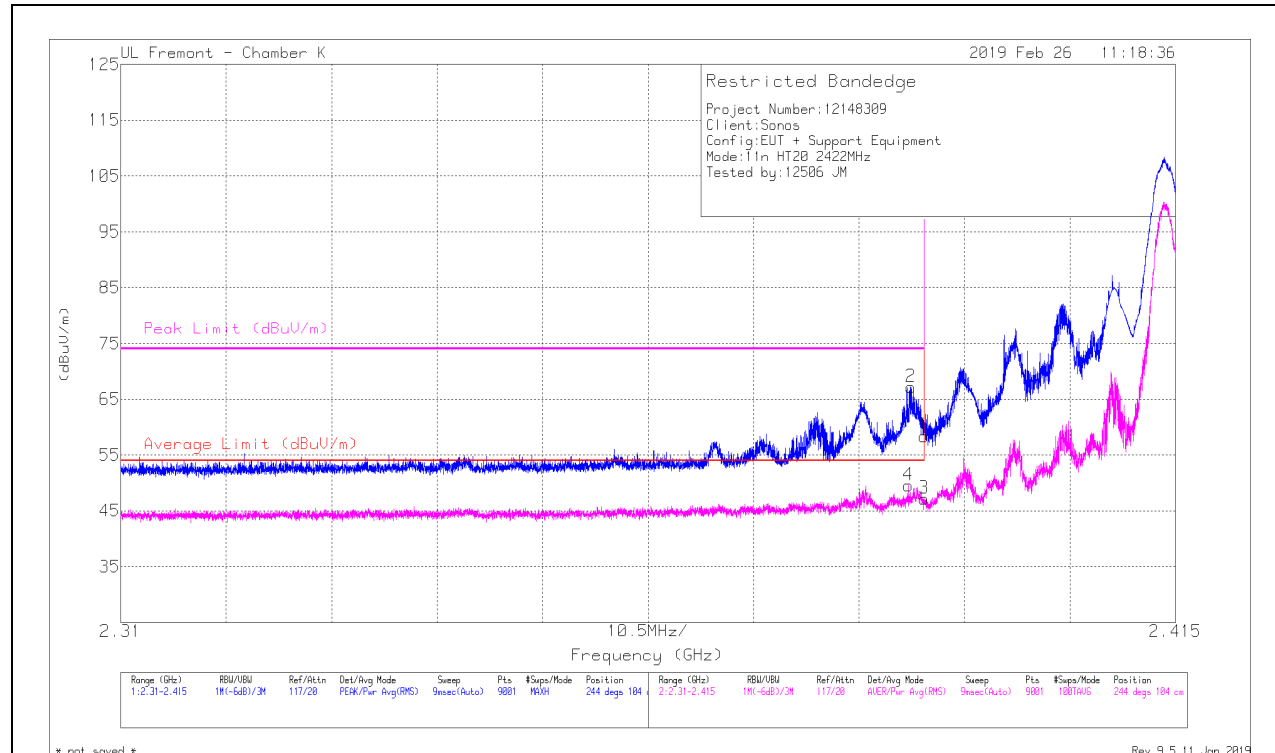
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 3)

HORIZONTAL RESULT



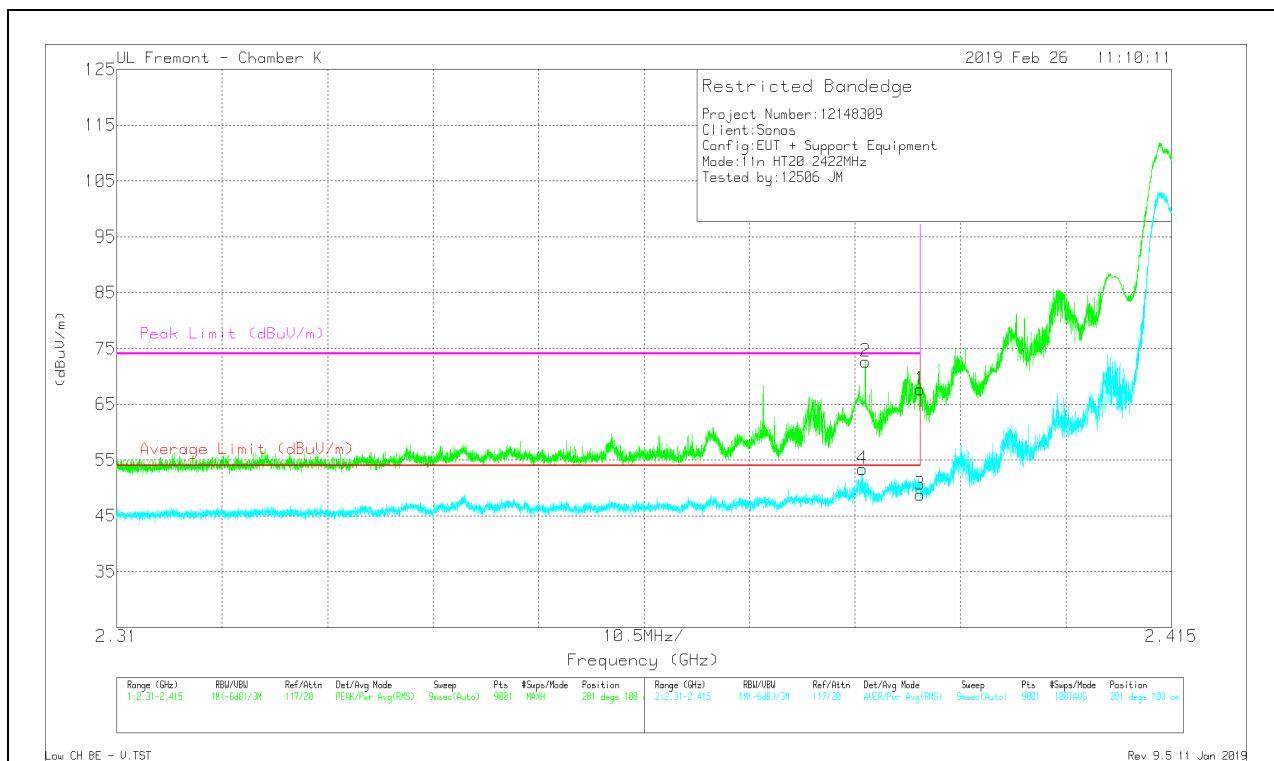
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dBm)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.16	Pk	31.9	-24.7	0	58.36	-	-	74	-15.64	244	104	H
2	* 2.389	60	Pk	31.9	-24.7	0	67.2	-	-	74	-6.8	244	104	H
3	* 2.39	37.5	RMS	31.9	-24.7	2.44	47.14	54	-6.86	-	-	244	104	H
4	* 2.388	39.8	RMS	31.9	-24.6	2.44	49.54	54	-4.46	-	-	244	104	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 T344 (dB/m)	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	* 2.39	60.49	Pk	31.9	-24.7	0	67.69	-	-	74	-6.31	281	108	V
2	* 2.385	65.35	Pk	31.9	-24.6	0	72.65	-	-	74	-1.35	281	108	V
3	* 2.39	39.2	RMS	31.9	-24.7	2.44	48.84	54	-5.16	-	-	281	108	V
4	* 2.384	43.61	RMS	31.9	-24.6	2.44	53.35	54	-6.5	-	-	281	108	V

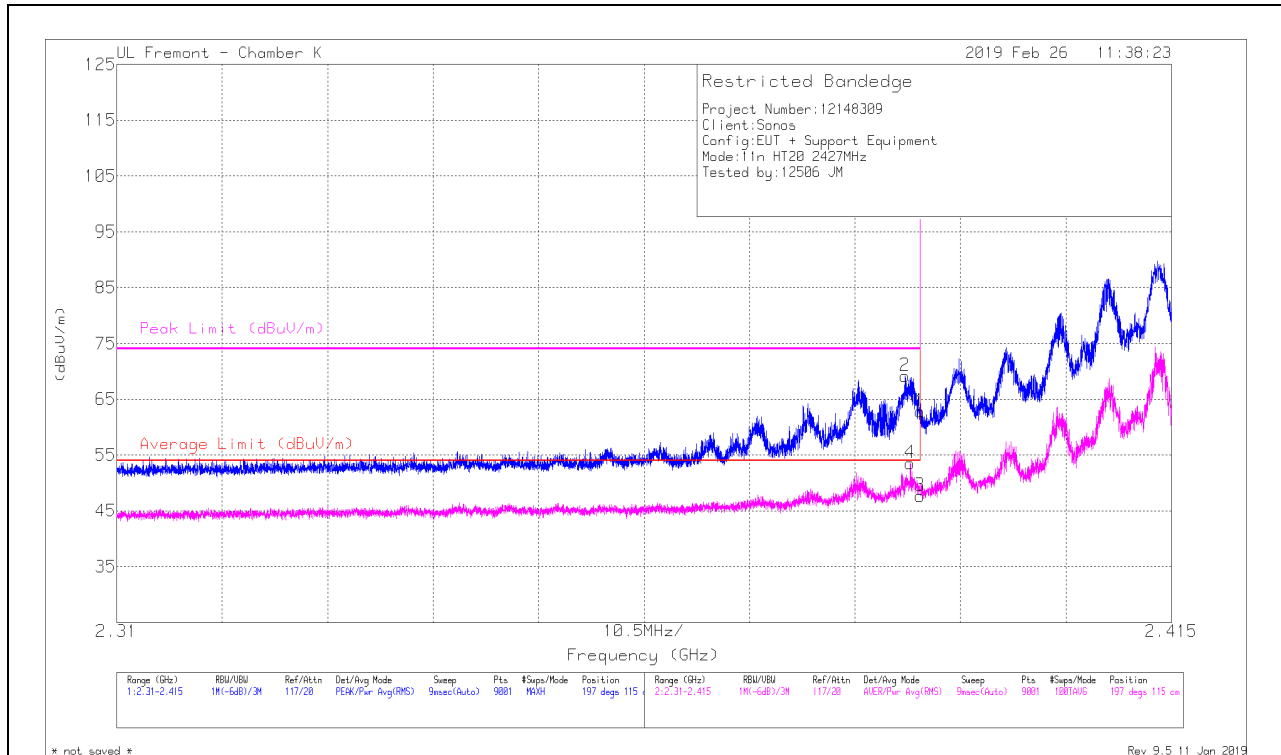
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 4)

HORIZONTAL RESULT



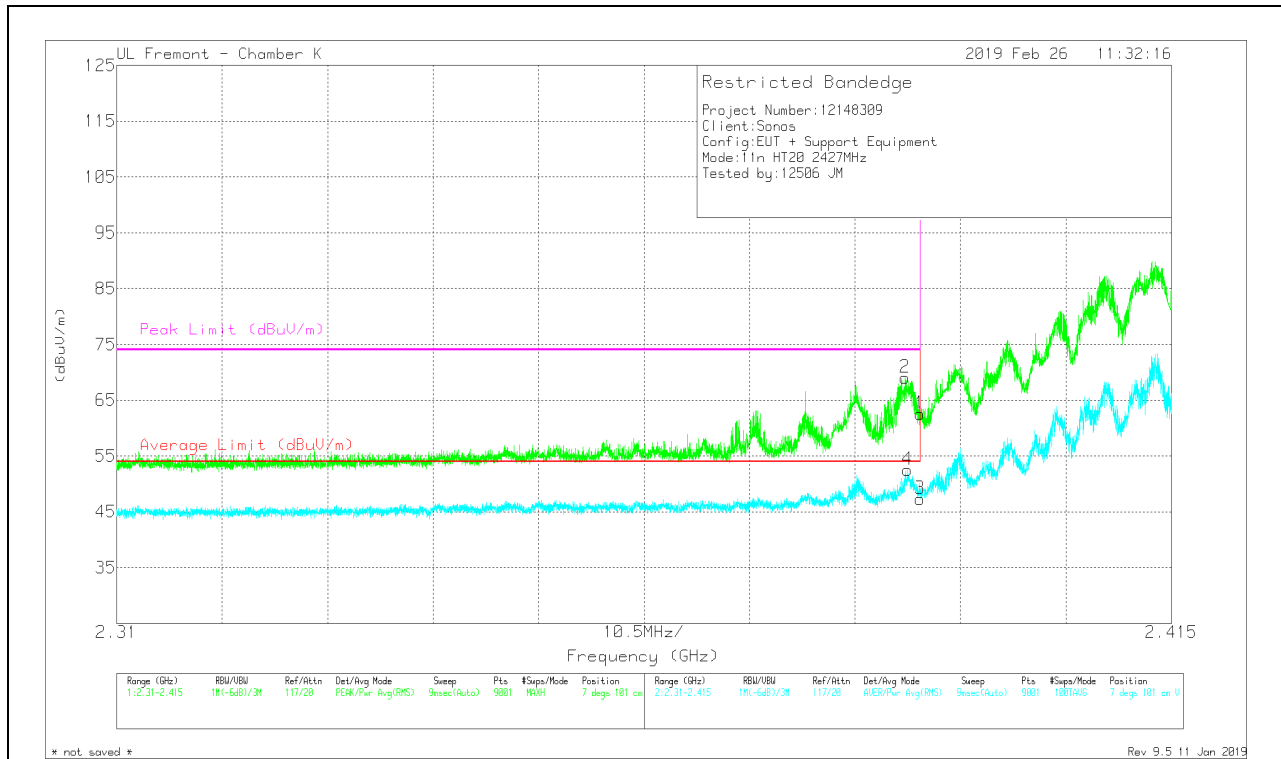
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.66	Pk	31.9	-24.7	0	62.86	-	-	74	-11.14	197	115	H
2	* 2.388	61.92	Pk	31.9	-24.6	0	69.22	-	-	74	-4.78	197	115	H
3	* 2.39	38.02	RMS	31.9	-24.7	2.44	47.66	54	-6.34	-	-	197	115	H
4	* 2.389	43.93	RMS	31.9	-24.7	2.44	53.57	54	-4.3	-	-	197	115	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 T344 (dB/m)	Amp/Cb/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	* 2.39	55.4	Pk	31.9	-24.7	0	62.6	-	-	74	-11.4	7	101	V
2	* 2.388	61.76	Pk	31.9	-24.6	0	69.06	-	-	74	-4.94	7	101	V
3	* 2.39	37.7	RMS	31.9	-24.7	2.44	47.34	54	-6.66	-	-	7	101	V
4	* 2.389	42.83	RMS	31.9	-24.7	2.44	52.47	54	-1.53	-	-	7	101	V

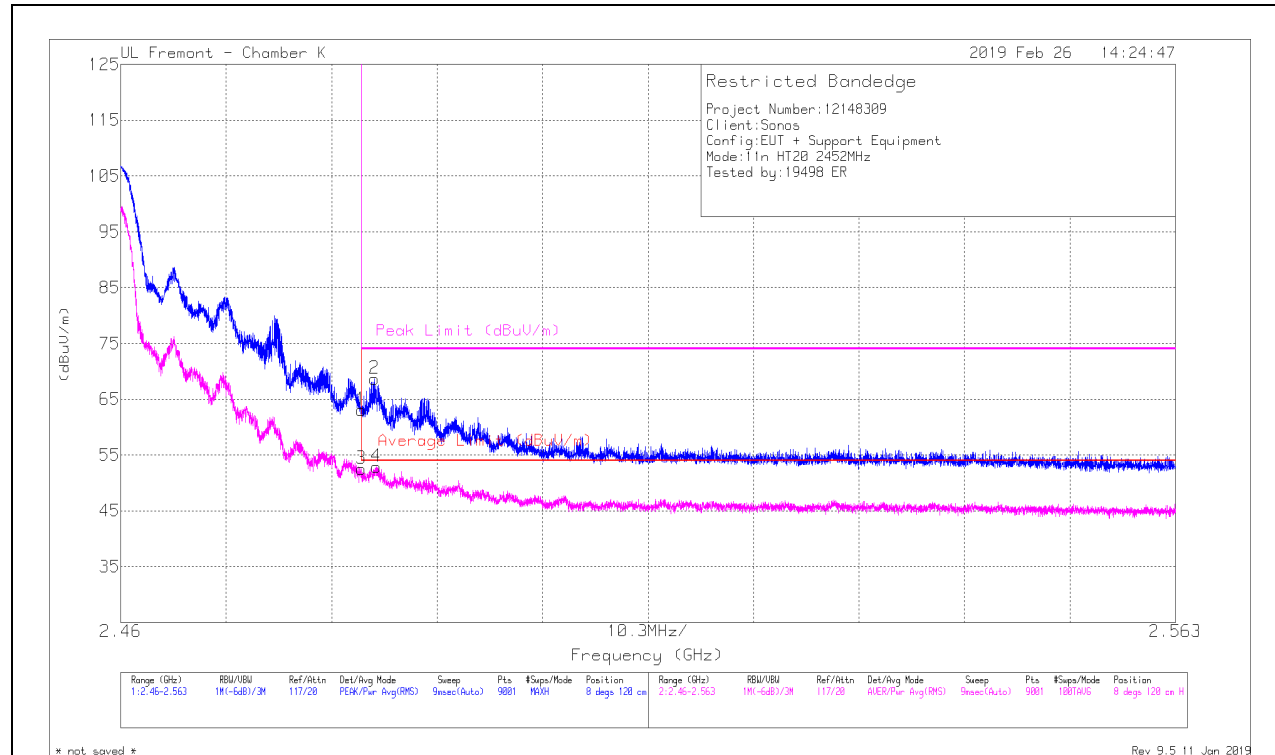
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 9)

HORIZONTAL RESULT



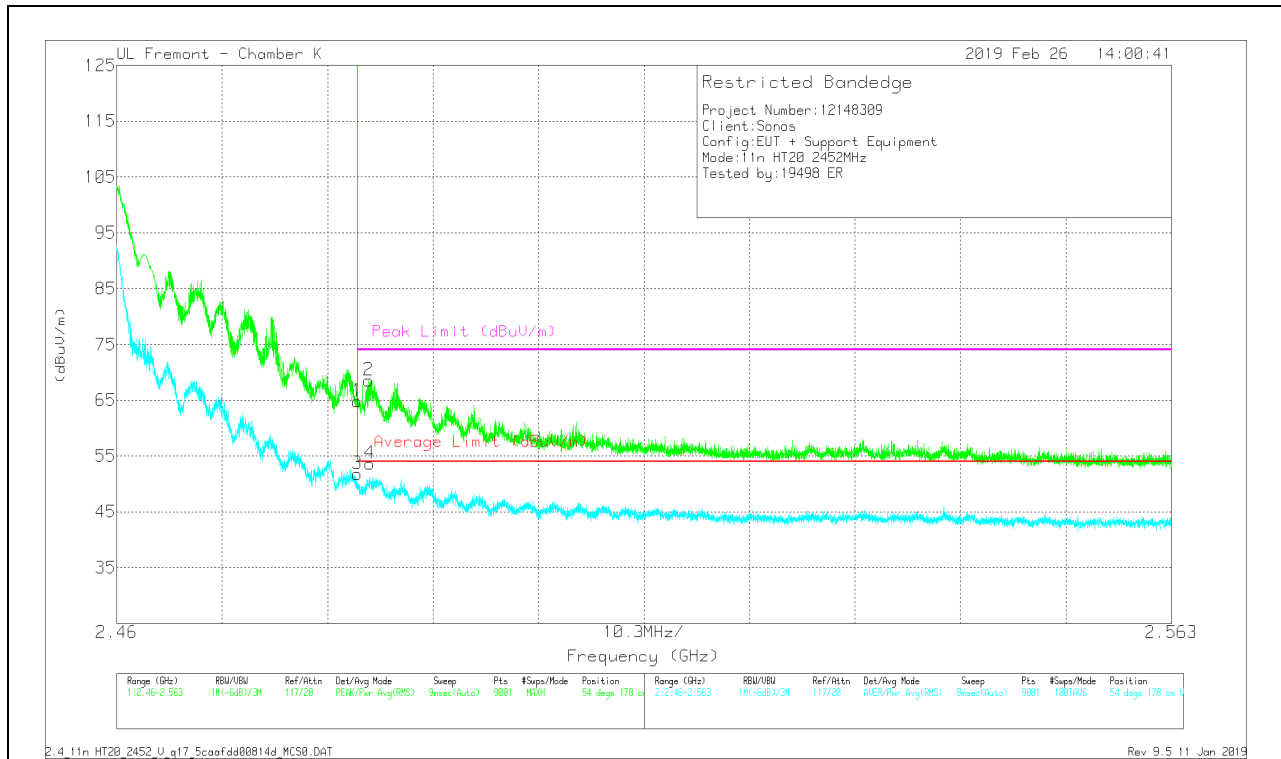
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.58	Pk	32.3	-24.8	0	63.08	-	-	74	-10.92	8	120	H
2	* 2.485	61.11	Pk	32.3	-24.8	0	68.61	-	-	74	-5.39	8	120	H
3	* 2.484	42.61	RMS	32.3	-24.8	2.44	52.55	54	-1.45	-	-	8	120	H
4	* 2.485	42.94	RMS	32.3	-24.8	2.44	52.88	54	-1.12	-	-	8	120	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 T344 (dB/m)	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)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.484	57.33	Pk	32.3	-24.8	0	64.83	-	-	74	-9.17	54	178	V
2	* 2.485	61.06	Pk	32.3	-24.8	0	68.56	-	-	74	-5.44	54	178	V
3	* 2.484	41.82	RMS	32.3	-24.8	2.44	51.76	54	-2.24	-	-	54	178	V
4	* 2.485	43.67	RMS	32.3	-24.8	2.44	53.61	54	-3.9	-	-	54	178	V

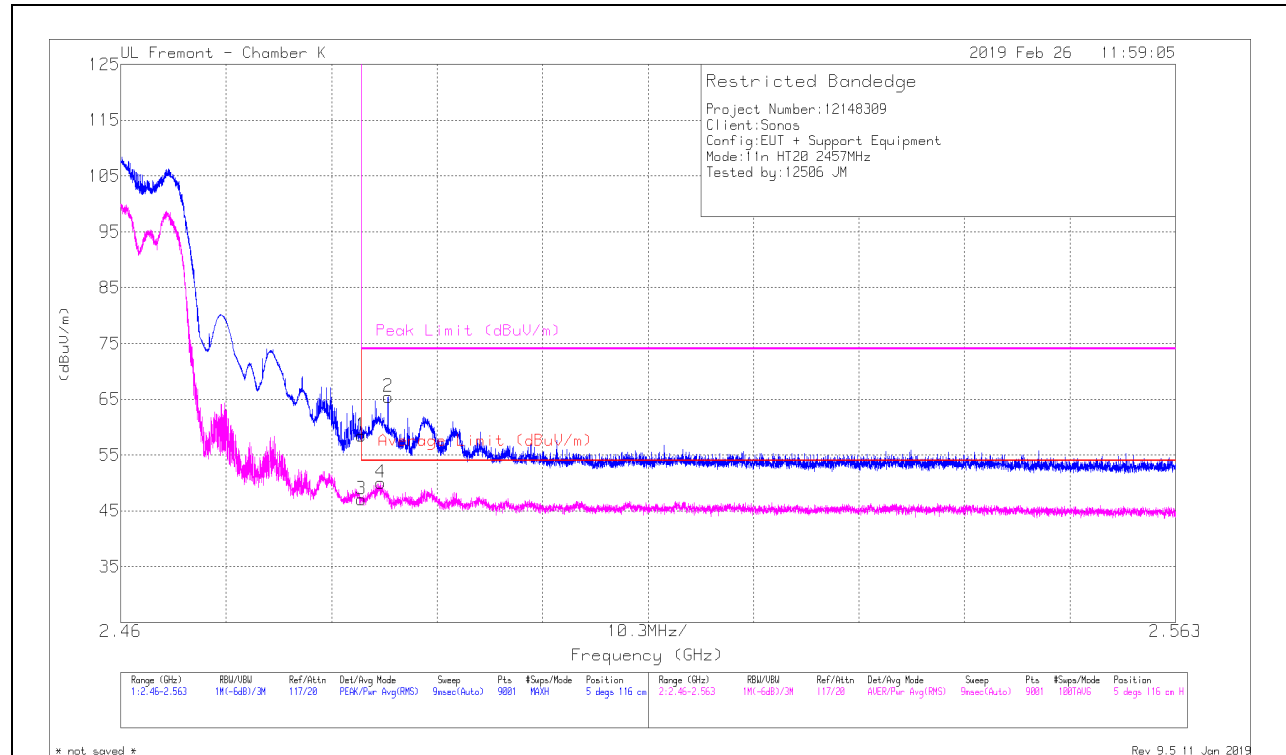
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



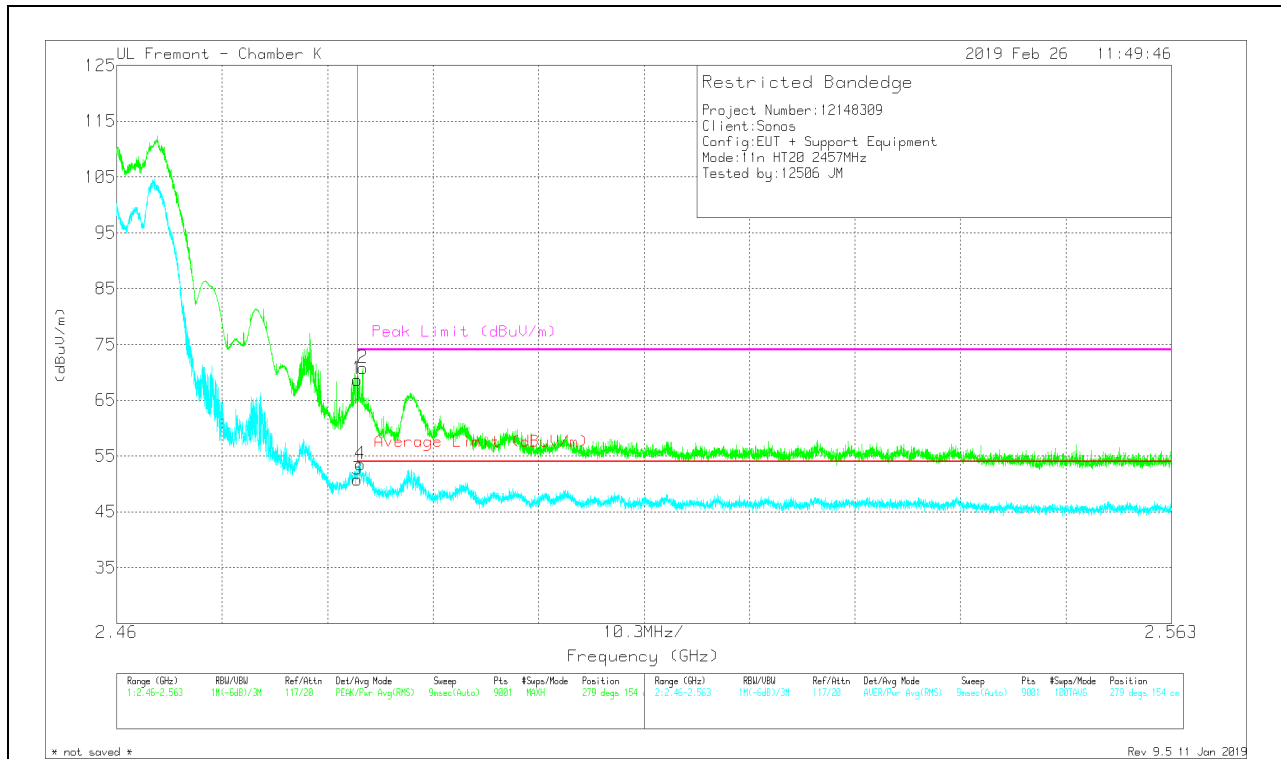
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.93	Pk	32.3	-24.8	0	58.43	-	-	74	-15.57	5	116	H
2	* 2.486	57.92	Pk	32.3	-24.8	0	65.42	-	-	74	-8.58	5	116	H
3	* 2.484	37.09	RMS	32.3	-24.8	2.44	47.03	54	-6.97	-	-	5	116	H
4	* 2.485	40.11	RMS	32.3	-24.8	2.44	50.05	54	-3.95	-	-	5	116	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 T344 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.484	61.23	Pk	32.3	-24.8	0	68.73	-	-	74	-5.27	279	154	V
2	* 2.484	63.25	Pk	32.3	-24.8	0	70.75	-	-	74	-3.25	279	154	V
3	* 2.484	40.81	RMS	32.3	-24.8	2.44	50.75	54	-3.25	-	-	279	154	V
4	* 2.484	43.58	RMS	32.3	-24.8	2.44	53.52	54	-4.48	-	-	279	154	V

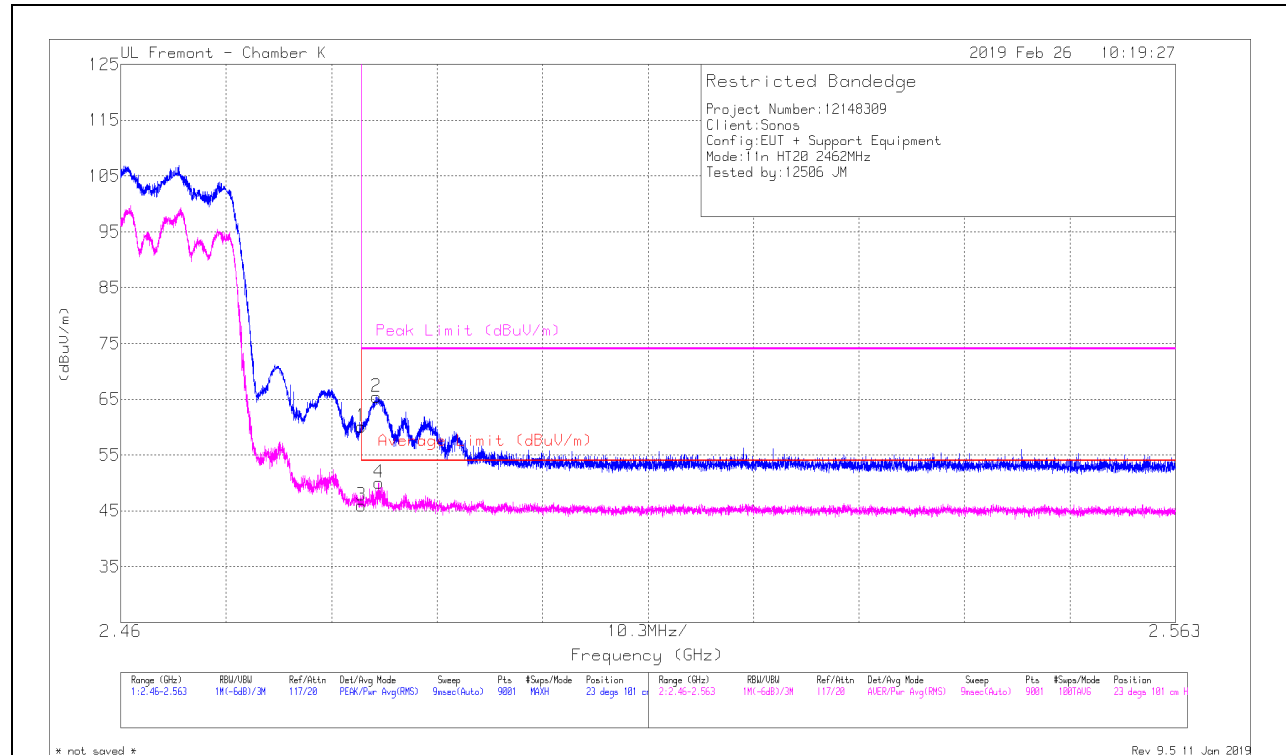
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



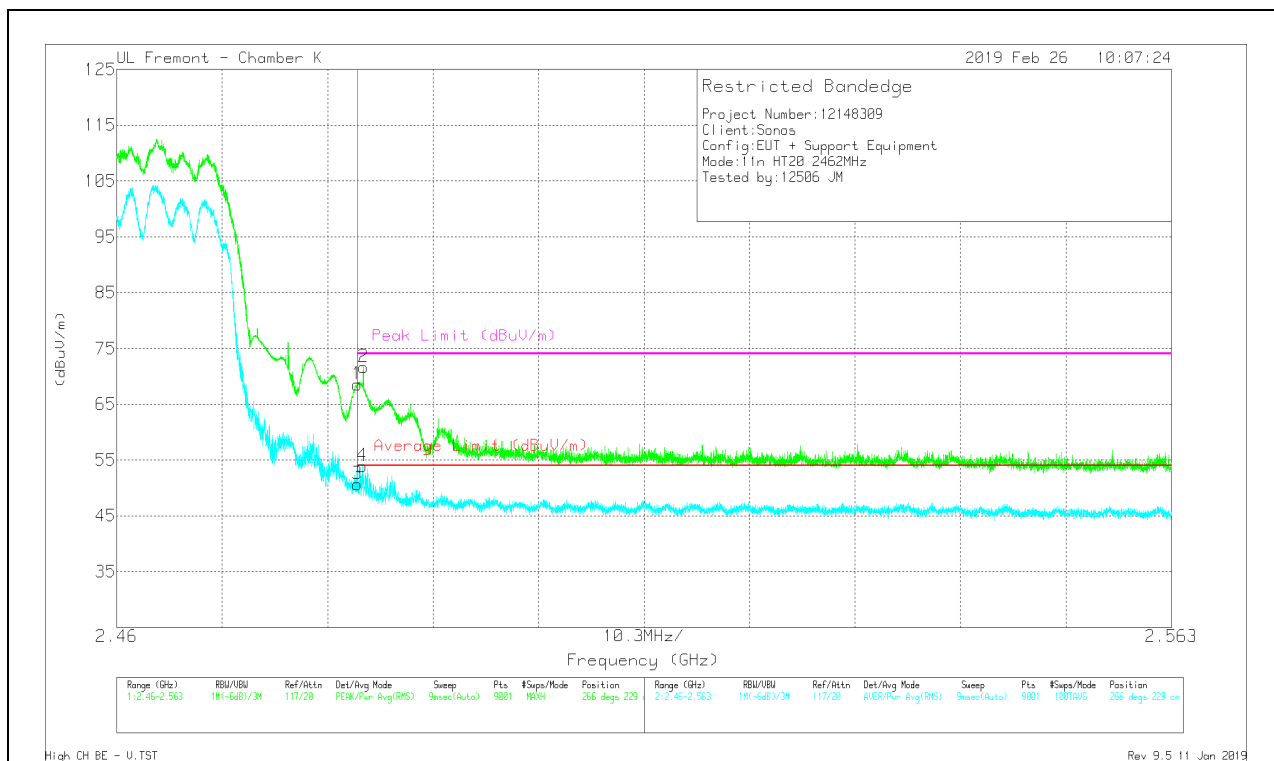
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.55	Pk	32.3	-24.8	0	60.05	-	-	74	-13.95	23	101	H
2	* 2.485	57.89	Pk	32.3	-24.8	0	65.39	-	-	74	-8.61	23	101	H
3	* 2.484	36.02	RMS	32.3	-24.8	2.44	45.96	54	-8.04	-	-	23	101	H
4	* 2.485	40.07	RMS	32.3	-24.8	2.44	50.01	54	-3.99	-	-	23	101	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 T344 (dB/m)	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)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.484	61.04	Pk	32.3	-24.8	0	68.54	-	-	74	-5.46	266	229	V
2	* 2.484	64.19	Pk	32.3	-24.8	0	71.69	-	-	74	-2.31	266	229	V
3	* 2.484	40.77	RMS	32.3	-24.8	2.44	50.71	54	-3.29	-	-	266	229	V
4	* 2.484	43.95	RMS	32.3	-24.8	2.44	53.89	54	-1.11	-	-	266	229	V

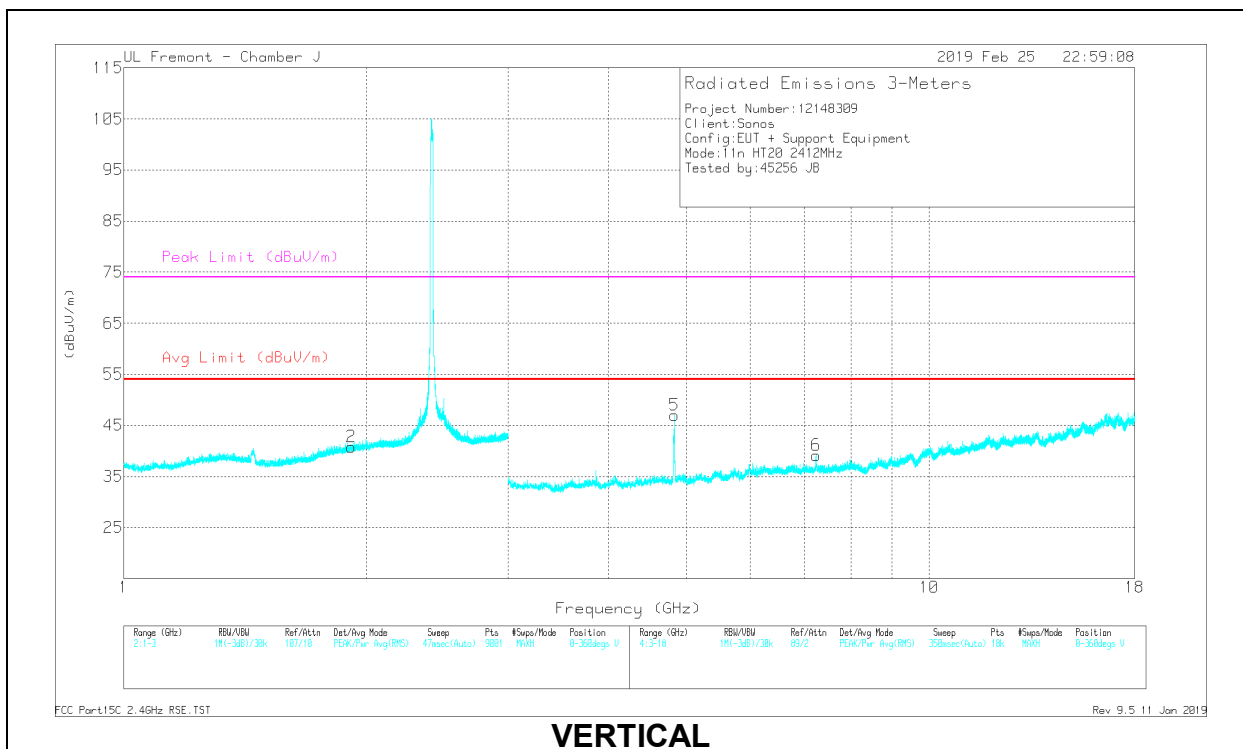
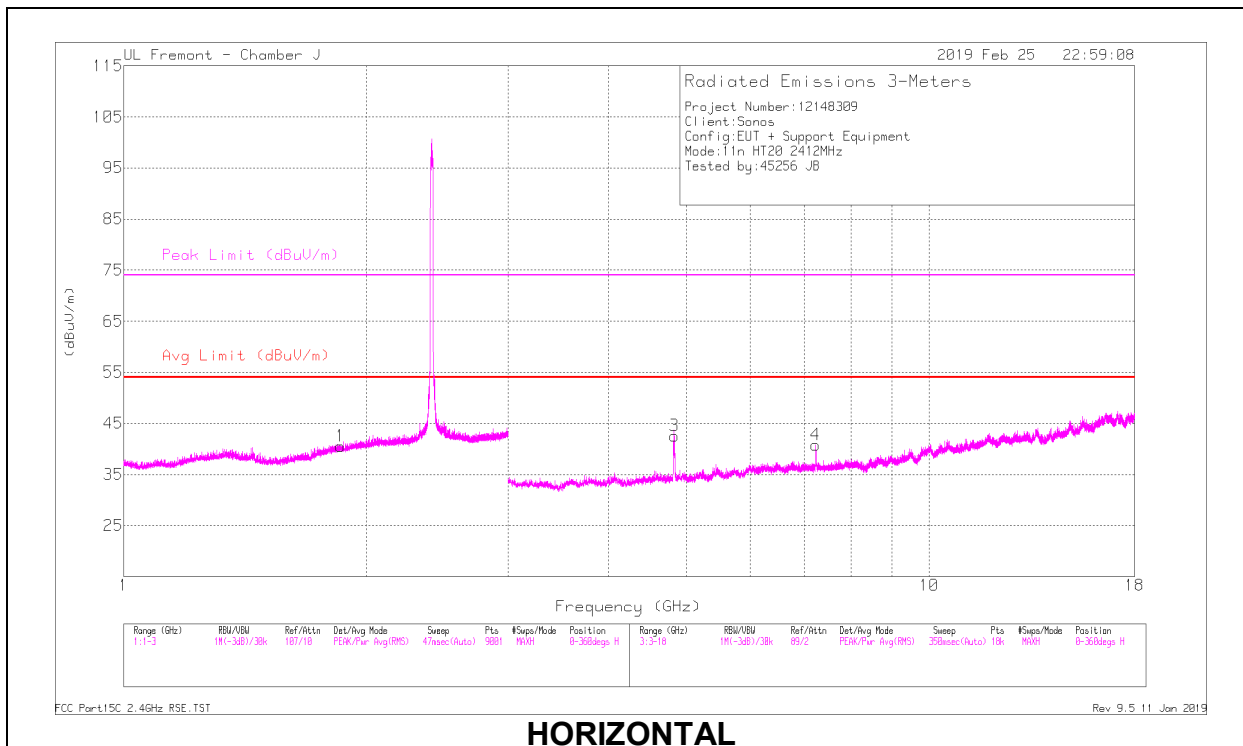
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

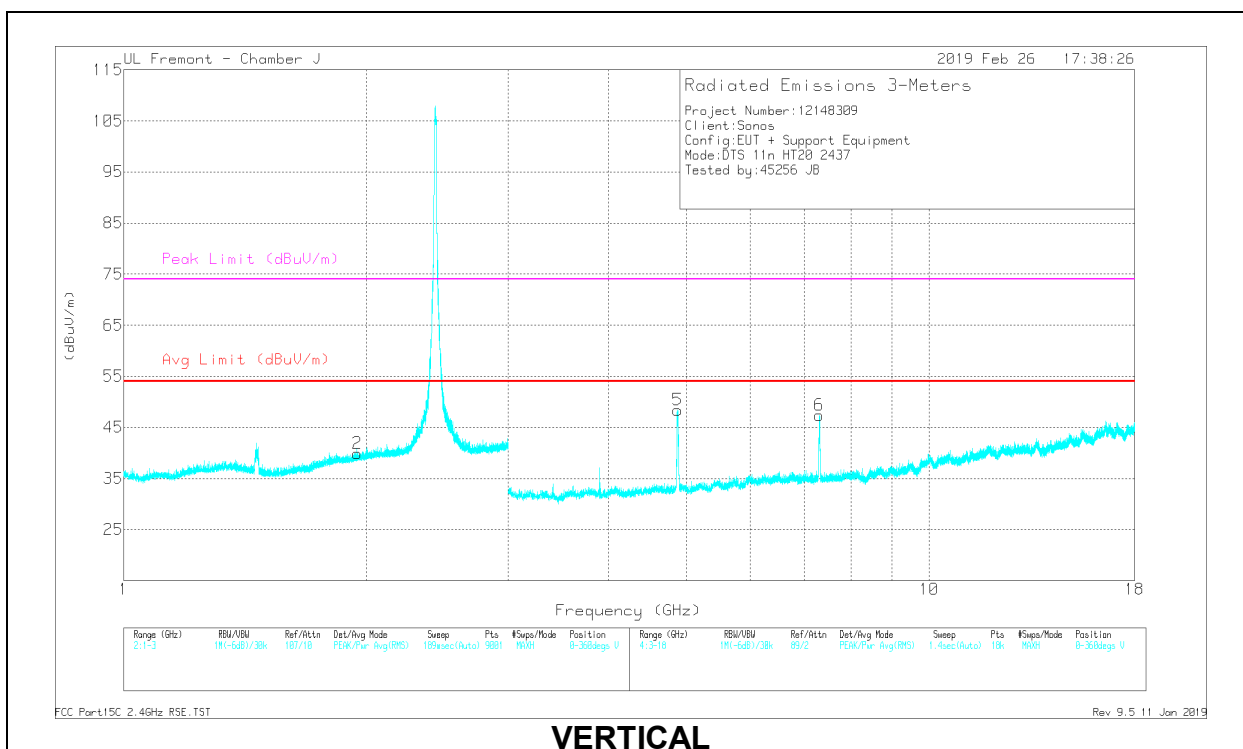
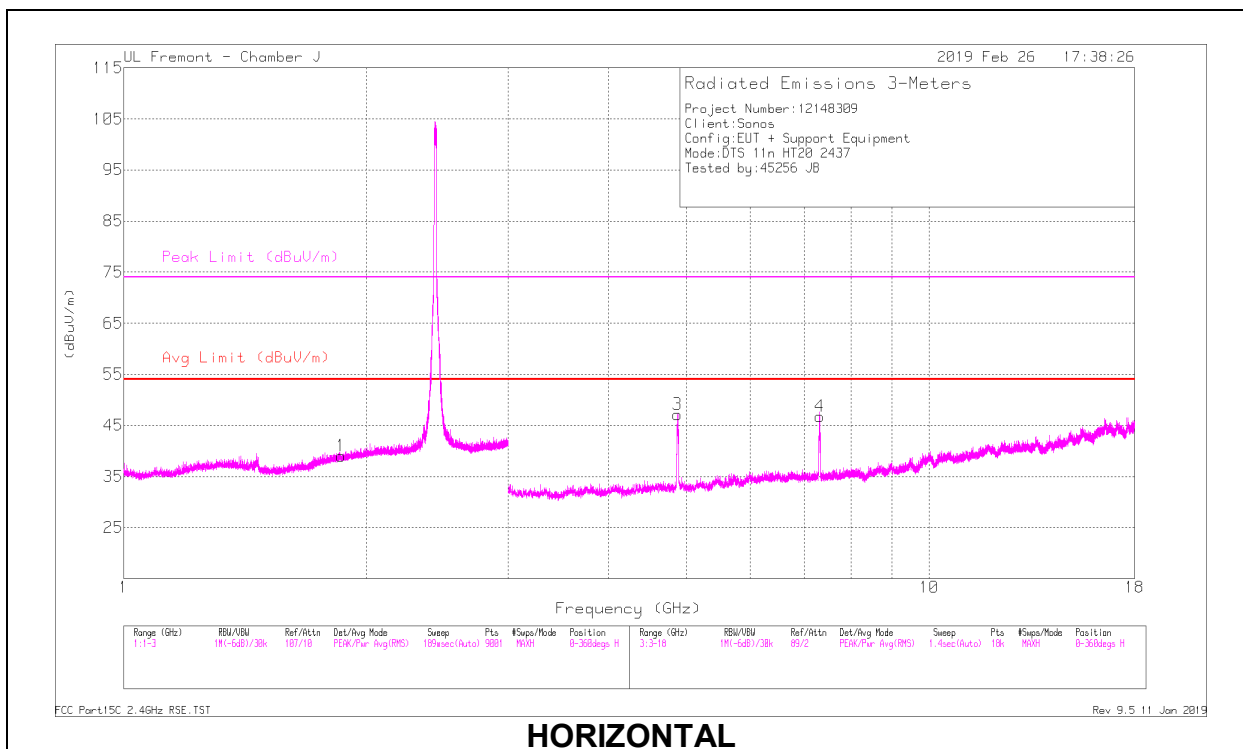
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.83	52.55	PK2	34.1	-31.5	0	55.15	-	-	74	-18.85	338	106	H
* 4.829	38.73	MAv1	34.1	-31.5	2.44	43.77	54	-10.23	-	-	338	106	H
* 4.827	53.19	PK2	34.1	-31.5	0	55.79	-	-	74	-18.21	332	103	V
* 4.827	39.71	MAv1	34.1	-31.5	2.44	44.75	54	-9.25	-	-	332	103	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

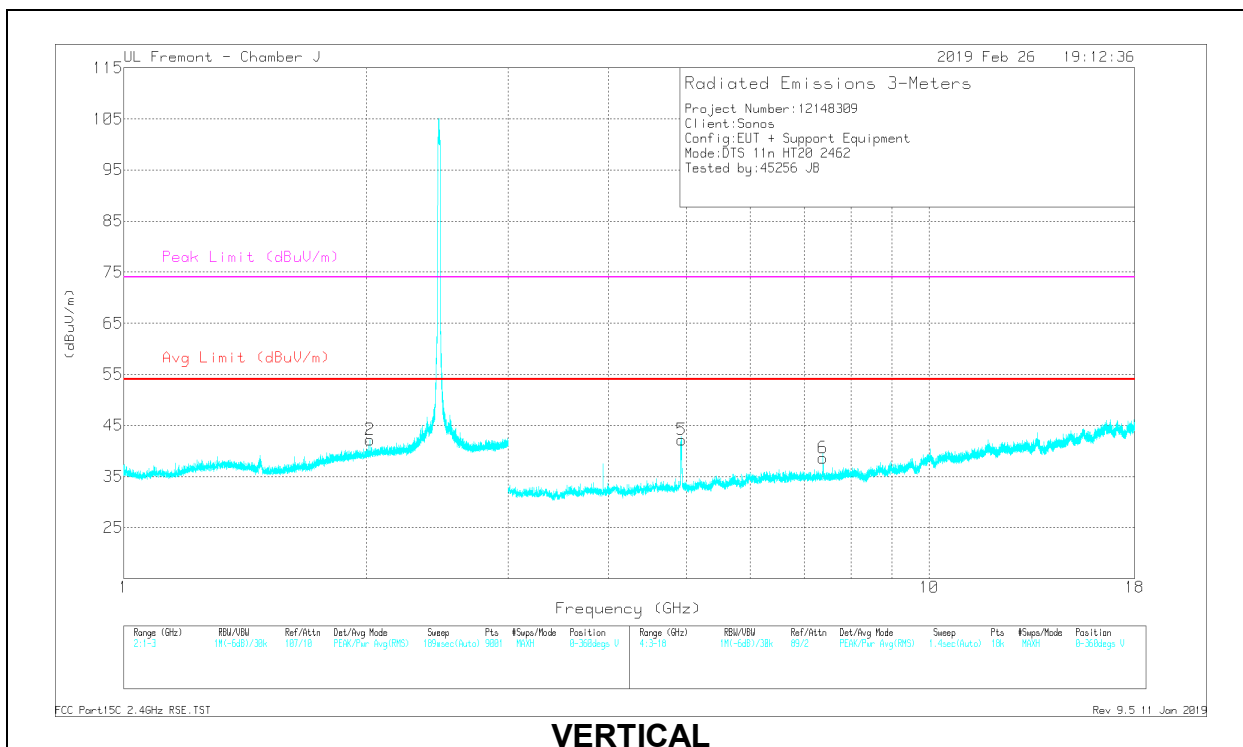
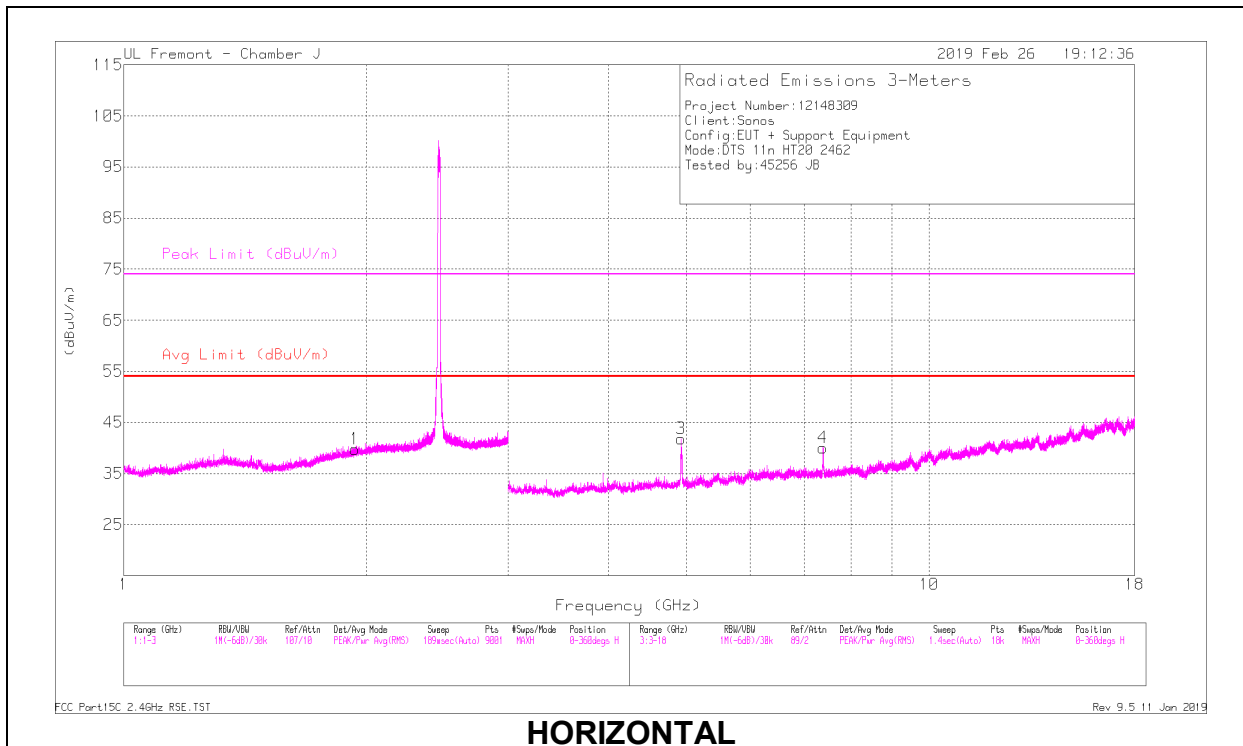
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.875	53.07	PK2	34	-31.4	0	55.67	-	-	74	-18.33	30	186	H
* 4.875	42.15	MAv1	34	-31.4	2.44	47.19	54	-6.81	-	-	30	186	H
* 7.313	50.93	PK2	35.6	-27.5	0	59.03	-	-	74	-14.97	339	216	H
* 7.315	36.11	MAv1	35.6	-27.5	2.44	46.65	54	-7.35	-	-	339	216	H
* 4.877	55.53	PK2	34	-31.4	0	58.13	-	-	74	-15.87	155	106	V
* 4.873	41.03	MAv1	34	-31.4	2.44	46.07	54	-7.93	-	-	155	106	V
* 7.307	52.53	PK2	35.7	-27.5	0	60.73	-	-	74	-13.27	333	104	V
* 7.31	35.46	MAv1	35.6	-27.5	2.44	46	54	-8	-	-	333	104	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



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/FI tr/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
* 4.925	46.37	PK2	34	-30.9	0	49.47	-	-	74	-24.53	336	123	H
* 4.924	33.01	MAv1	34	-30.9	2.44	38.55	54	-15.45	-	-	336	123	H
* 7.385	46.04	PK2	35.6	-27.6	0	54.04	-	-	74	-19.96	332	106	H
* 7.385	30.15	MAv1	35.6	-27.6	2.44	40.59	54	-13.41	-	-	332	106	H
* 4.927	46.68	PK2	34	-30.8	0	49.88	-	-	74	-24.12	333	108	V
* 4.927	34.59	MAv1	34	-30.9	2.44	40.13	54	-13.87	-	-	333	108	V
* 7.382	43.87	PK2	35.6	-27.5	0	51.97	-	-	74	-22.03	323	123	V
* 7.382	28.24	MAv1	35.6	-27.5	2.44	38.78	54	-15.22	-	-	323	123	V

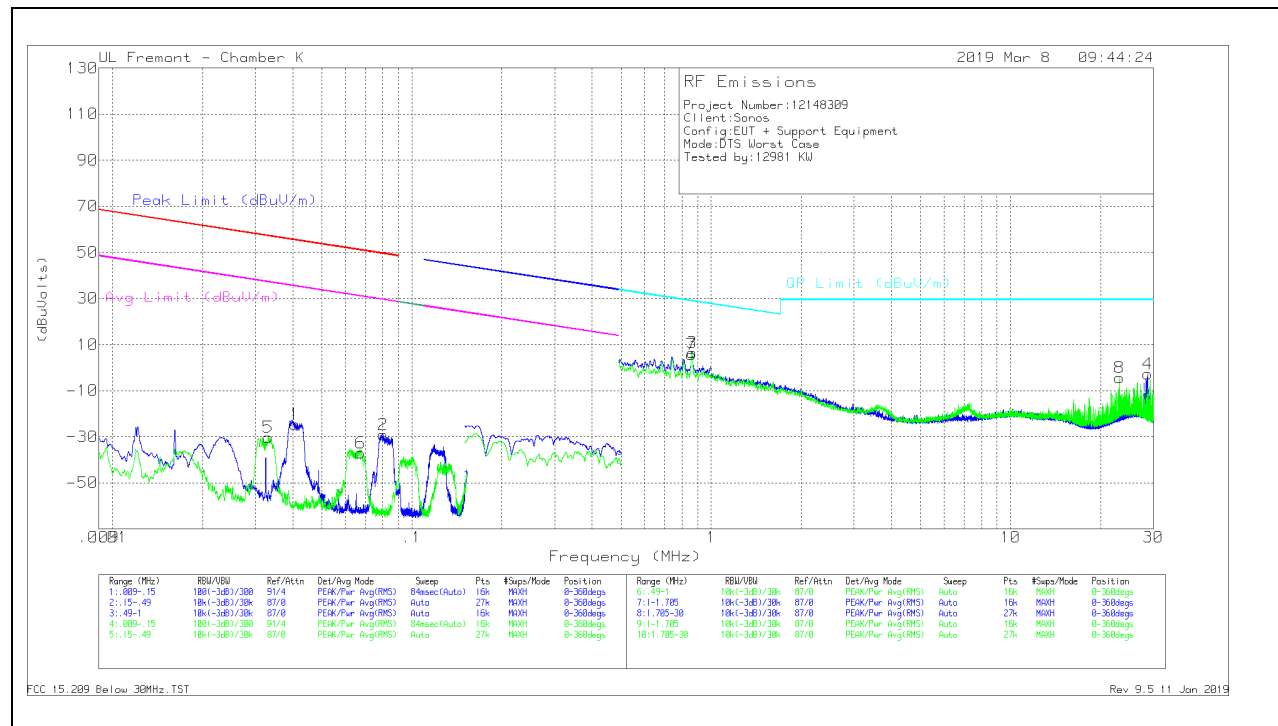
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

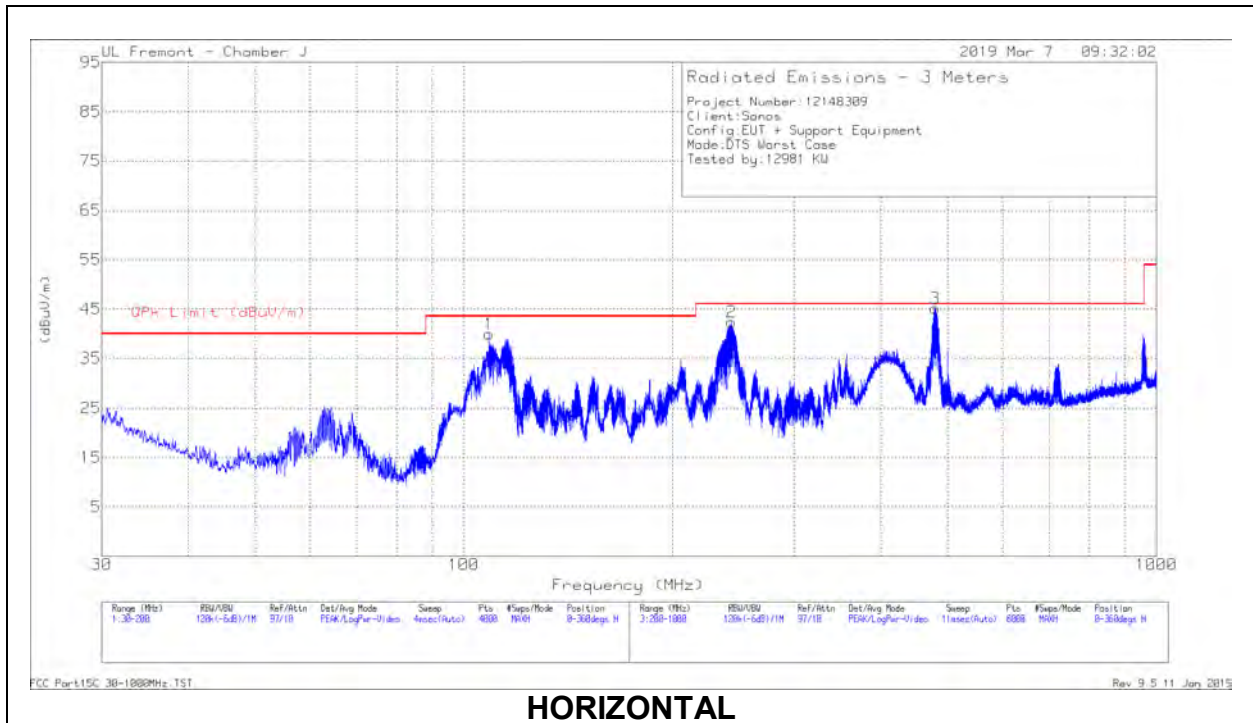
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE0186650	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.04064	30.48	Pk	57.2	-32.2	-80	-24.52	55.41	-79.93	35.41	-59.93	0-360
2	.08026	27.42	Pk	55.7	-32.2	-80	-29.08	49.49	-78.57	29.49	-58.57	0-360
5	.03313	24.17	Pk	57.7	-32.2	-80	-30.33	57.18	-87.51	37.18	-67.51	0-360
6	.06754	19.26	Pk	56	-32.2	-80	-36.94	50.99	-87.93	30.99	-67.93	0-360

Pk - Peak detector

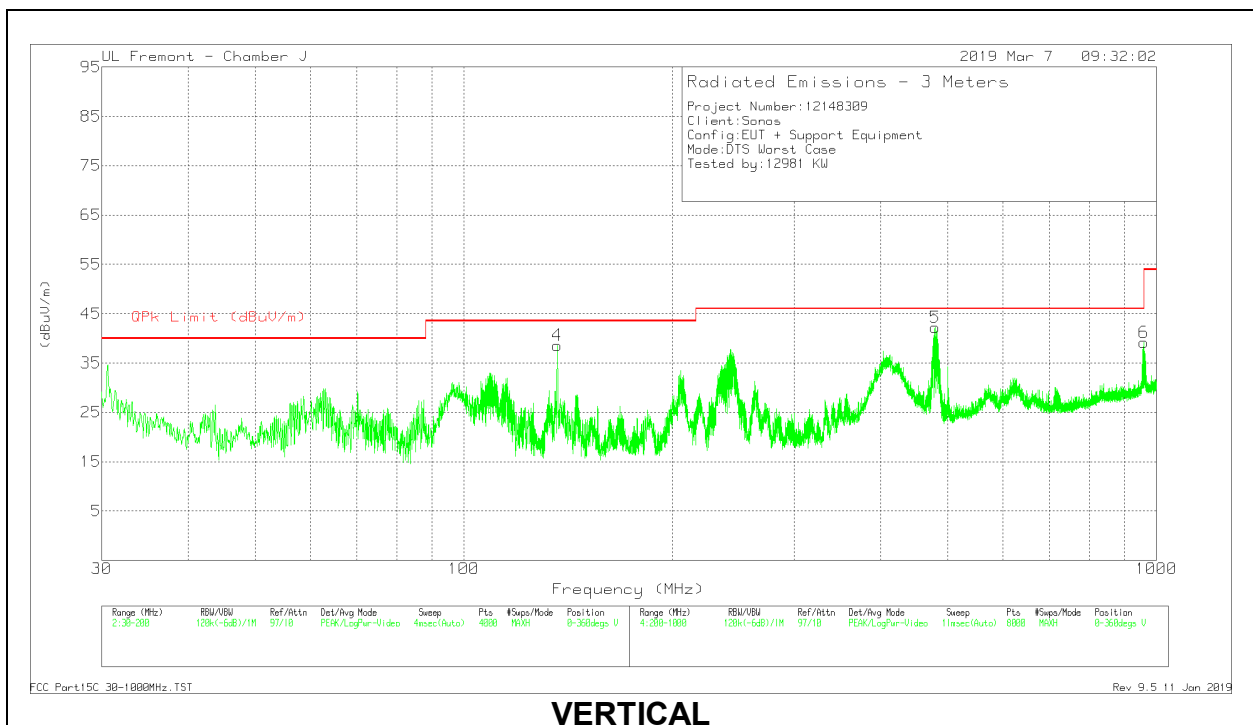
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE0186650	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.8636	22.2	Pk	56.3	-32.1	-40	6.4	28.89	-22.49	0-360
7	.85982	21.62	Pk	56.3	-32.1	-40	5.82	28.93	-23.11	0-360
4	28.68471	36.16	Pk	32.6	-31.6	-40	-2.84	29.5	-32.34	0-360
8	23.12717	33.22	Pk	34	-31.6	-40	-4.38	29.5	-33.88	0-360

Pk - Peak detector

9.3. WORST CASE BELOW 1 GHZ



HORIZONTAL



VERTICAL

Below 1GHz DATA

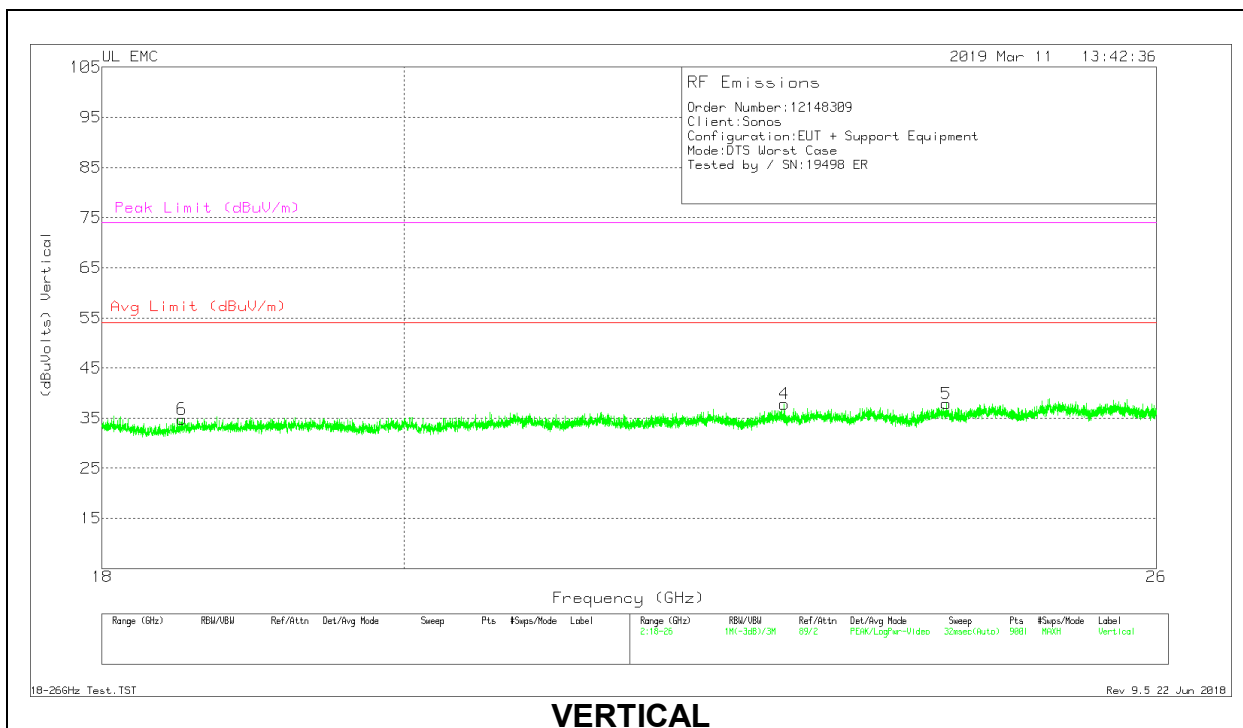
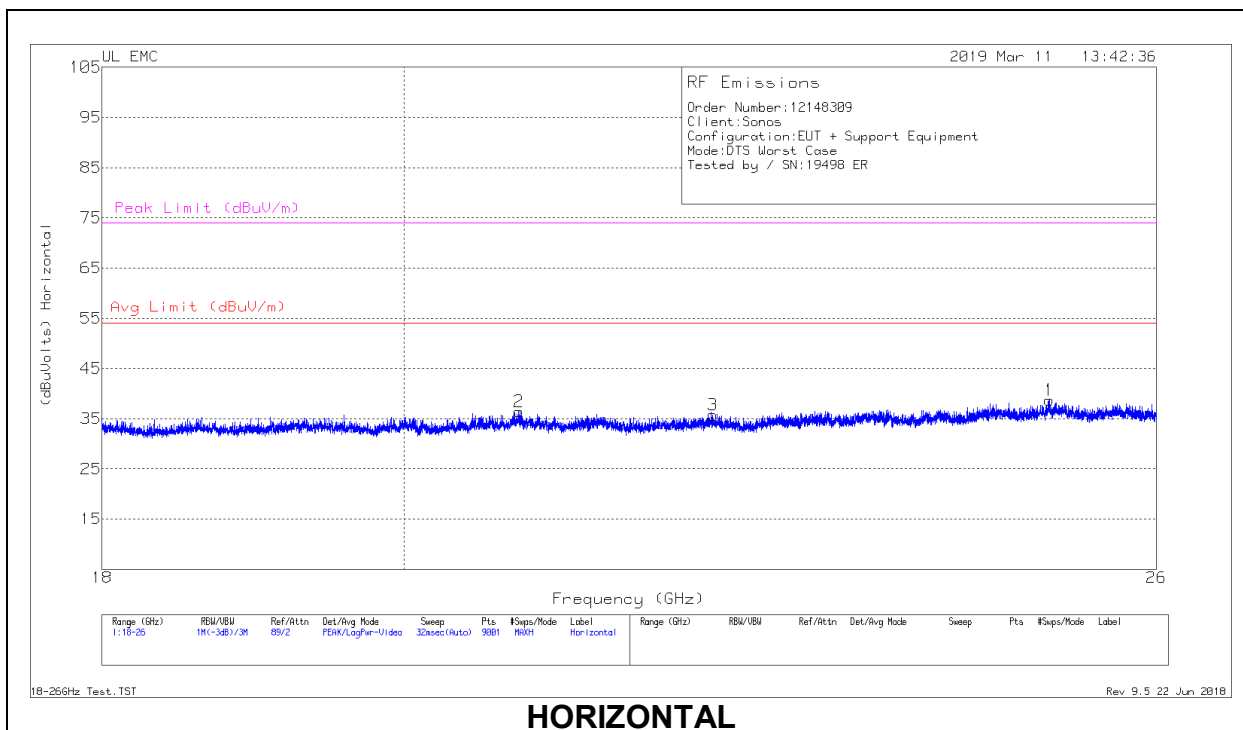
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 108.7729	52.39	Pk	18.4	-30.9	39.89	43.52	-3.63	0-360	299	H
	* 108.80791	50.44	Qp	18.4	-30.9	37.94	43.52	-5.58	57	294	H
4	* 136.405	50.11	Pk	19.2	-30.7	38.61	43.52	-4.91	0-360	101	V
	* 136.6224	38.43	Qp	19.1	-30.7	26.83	43.52	-16.69	210	106	V
2	* 243.5057	55.02	Pk	17.5	-30.2	42.32	46.02	-3.7	0-360	101	H
	* 243.2952	53.36	Qp	17.5	-30.2	40.66	46.02	-5.36	93	112	H
3	479.2363	51	Pk	23.6	-29.4	45.2	46.02	-.82	0-360	198	H
	479.2612	50.18	Qp	23.6	-29.4	44.38	46.02	-1.64	172	184	H
5	479.2363	48.01	Pk	23.6	-29.4	42.21	46.02	-3.81	0-360	198	V
	959.5992	35.63	Qp	28.8	-26.6	37.83	46.02	-8.19	197	105	V
6	959.5987	37.02	Pk	28.8	-26.6	39.22	46.02	-6.8	0-360	101	V

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

Pk - Peak detector

Qp - Quasi-Peak detector

9.4. WORST CASE 18-26 GHZ



18 – 26GHz DATA

Trace Markers

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	T448 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	25.048	67.98	Pk	34.7	-54.5	-9.5	38.68	54	-15.32	74	-35.32
2	20.816	69.13	Pk	33.1	-56.3	-9.5	36.43	54	-17.57	74	-37.57
3	22.273	69.35	Pk	33.4	-57.5	-9.5	35.75	54	-18.25	74	-38.25
4	22.836	71.35	Pk	33.5	-57.5	-9.5	37.85	54	-16.15	74	-36.15
5	24.164	70.2	Pk	34	-56.8	-9.5	37.9	54	-16.1	74	-36.1
6	18.509	71.28	Pk	32.3	-59.3	-9.5	34.78	54	-19.22	74	-39.22

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

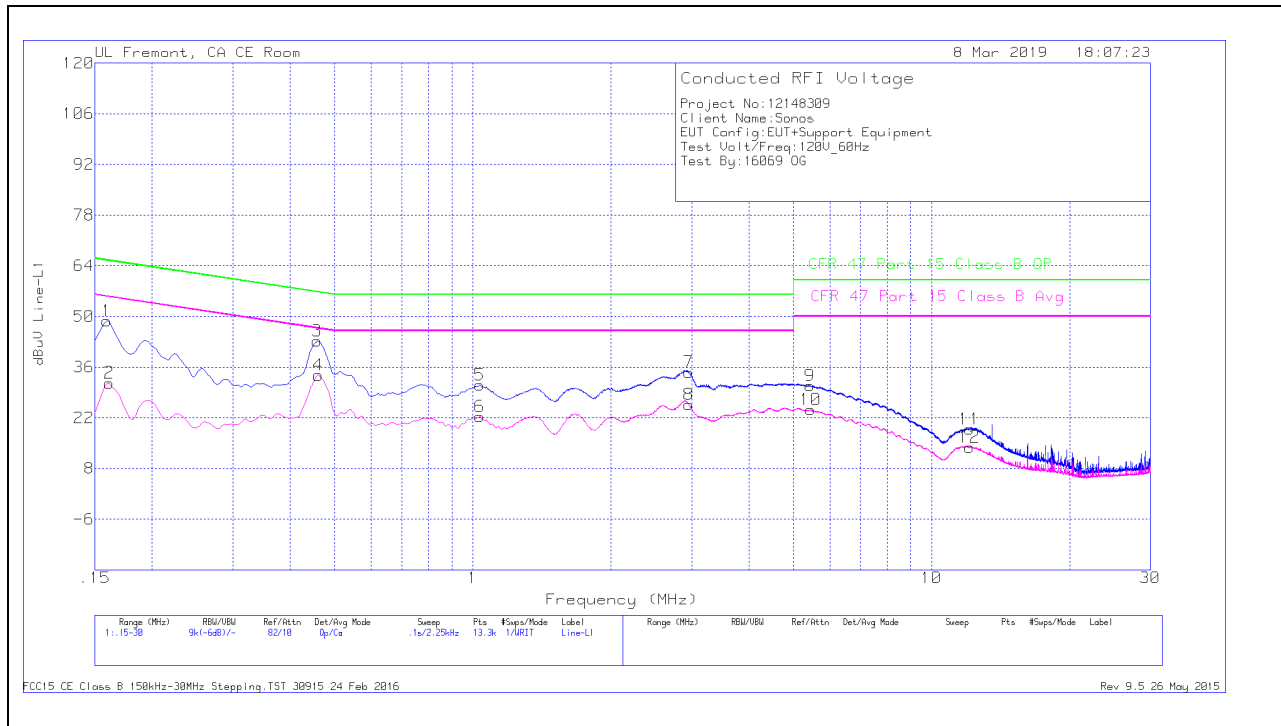
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

LINE 1 RESULTS



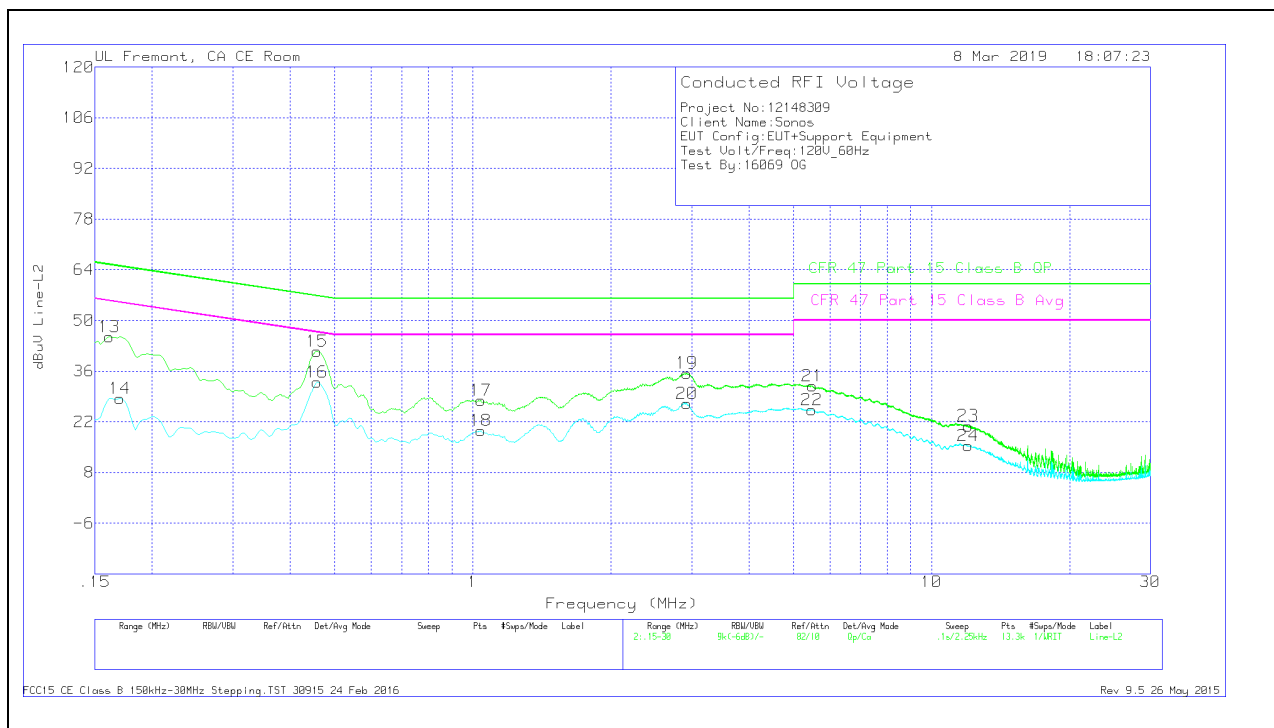
Trace Markers

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.159	38.54	Qp	.1	0	10.1	48.74	65.52	-16.78	-	-
2	.16125	21.46	Ca	.1	0	10.1	31.66	-	-	55.4	-23.74
3	.45825	33.04	Qp	0	0	10.1	43.14	56.72	-13.58	-	-
4	.4605	23.65	Ca	0	0	10.1	33.75	-	-	46.68	-12.93
5	1.0365	20.82	Qp	0	.1	10.1	31.02	56	-24.98	-	-
6	1.0365	12.14	Ca	0	.1	10.1	22.34	-	-	46	-23.66
7	2.95575	24.41	Qp	0	.1	10.1	34.61	56	-21.39	-	-
8	2.95575	15.51	Ca	0	.1	10.1	25.71	-	-	46	-20.29
9	5.43975	20.67	Qp	0	.1	10.1	30.87	60	-29.13	-	-
10	5.451	14	Ca	0	.1	10.1	24.2	-	-	50	-25.8
11	12.0975	8.46	Qp	.1	.2	10.2	18.96	60	-41.04	-	-
12	12.10313	3.43	Ca	.1	.2	10.2	13.93	-	-	50	-36.07

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Trace Markers

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.16125	35.33	Qp	.1	0	10.1	45.53	65.4	-19.87	-	-
14	.17025	18.42	Ca	0	0	10.1	28.52	-	-	54.95	-26.43
15	.45825	31.45	Qp	0	0	10.1	41.55	56.72	-15.17	-	-
16	.45825	22.8	Ca	0	0	10.1	32.9	-	-	46.72	-13.82
17	1.041	17.7	Qp	0	.1	10.1	27.9	56	-28.1	-	-
18	1.041	9.31	Ca	0	.1	10.1	19.51	-	-	46	-26.49
19	2.9265	25.28	Qp	0	.1	10.1	35.48	56	-20.52	-	-
20	2.9265	16.82	Ca	0	.1	10.1	27.02	-	-	46	-18.98
21	5.5095	21.72	Qp	0	.1	10.1	31.92	60	-28.08	-	-
22	5.4915	15.11	Ca	0	.1	10.1	25.31	-	-	50	-24.69
23	12.01425	10.38	Qp	.1	.2	10.2	20.88	60	-39.12	-	-
24	12.01313	4.83	Ca	.1	.2	10.2	15.33	-	-	50	-34.67

Qp - Quasi-Peak detector

Ca - CISPR average detection