

9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

IC 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 120 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements for the 30-1000 MHz range, 9 kHz for peak detection measurements or 9 kHz for quasi-peak detection measurements for the 0.15-30 MHz range and 200 Hz for peak detection measurements or 200 Hz for quasi-peak detection measurements for the 9 to 150 kHz range. 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.

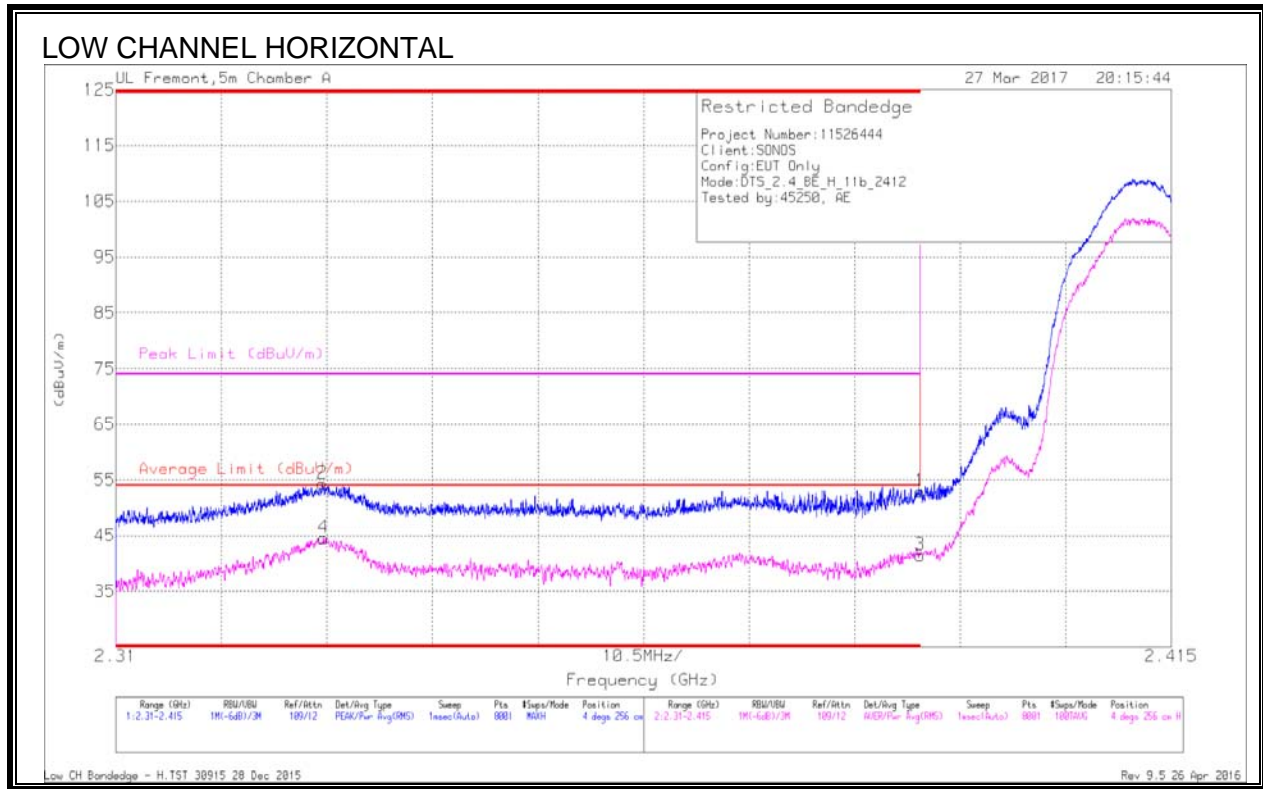
The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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

9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. 11b 3TX CDD MIMO MODE IN THE 2.4GHz BAND

AUTHORIZED BANDEGE (LOW CHANNEL, CH 1)



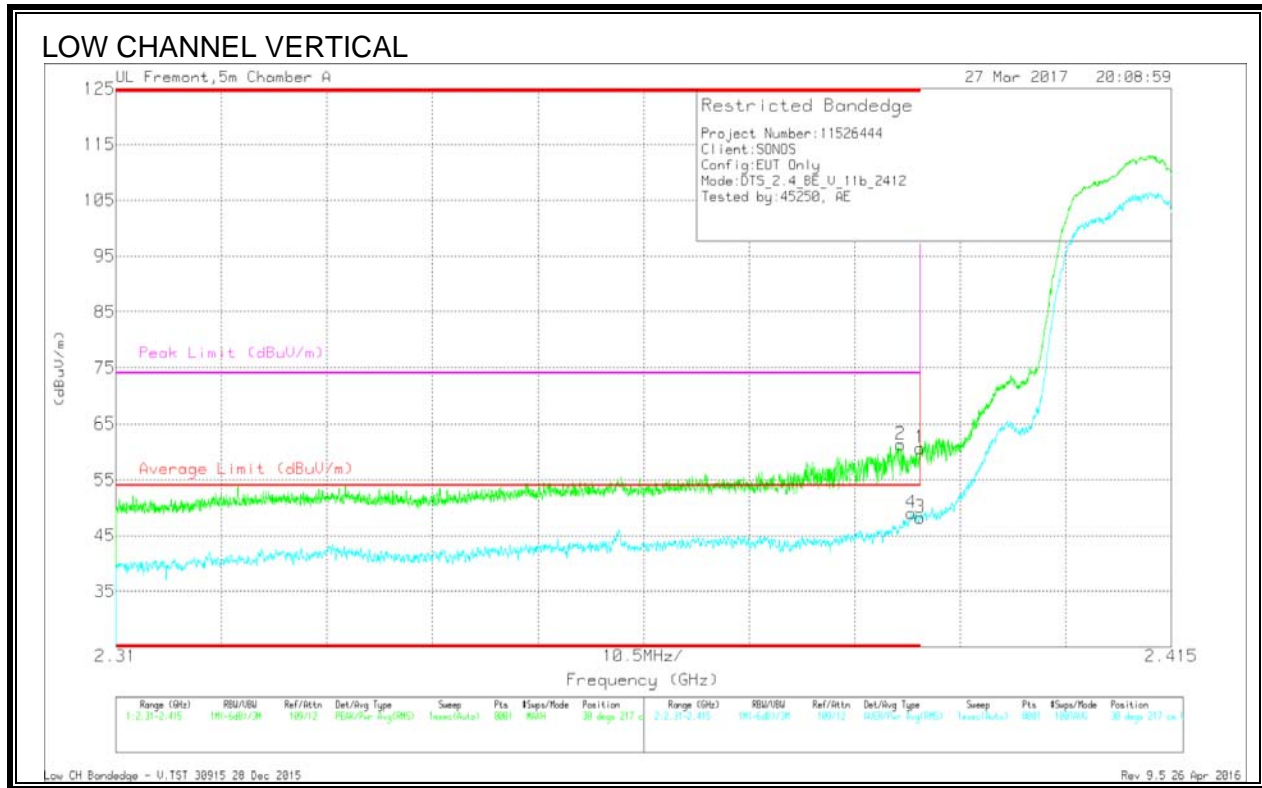
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T111 (dB/m)	Amp/Ch/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.331	45.98	PK	32	-23.7	0	54.28	-	-	74	-19.72	4	256	H
4	* 2.331	36.14	RMS	32	-23.7	.15	44.59	54	-9.41	-	-	4	256	H
1	* 2.39	44.49	PK	32.1	-23.7	0	52.89	-	-	74	-21.11	4	256	H
3	* 2.39	32.9	RMS	32.1	-23.7	.15	41.45	54	-12.55	-	-	4	256	H

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

PK - Peak detector

RMS - RMS detection



Trace Markers

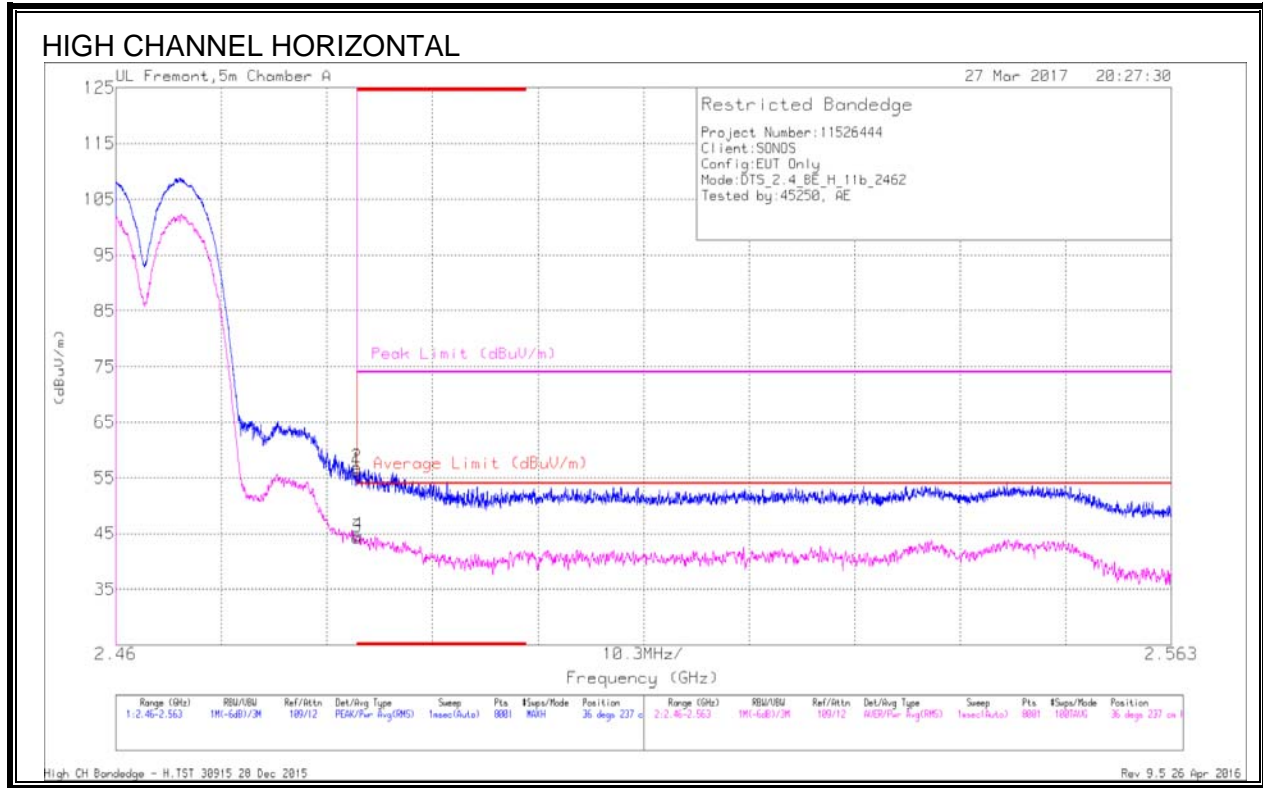
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.388	52.94	PK	32.1	-23.7	0	61.34	-	-	74	-12.66	30	217	V
4	* 2.389	40.48	RMS	32.1	-23.7	.15	49.03	54	-4.97	-	-	30	217	V
1	* 2.39	52.29	PK	32.1	-23.7	0	60.69	-	-	74	-13.31	30	217	V
3	* 2.39	39.68	RMS	32.1	-23.7	.15	48.23	54	-5.77	-	-	30	217	V

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

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)



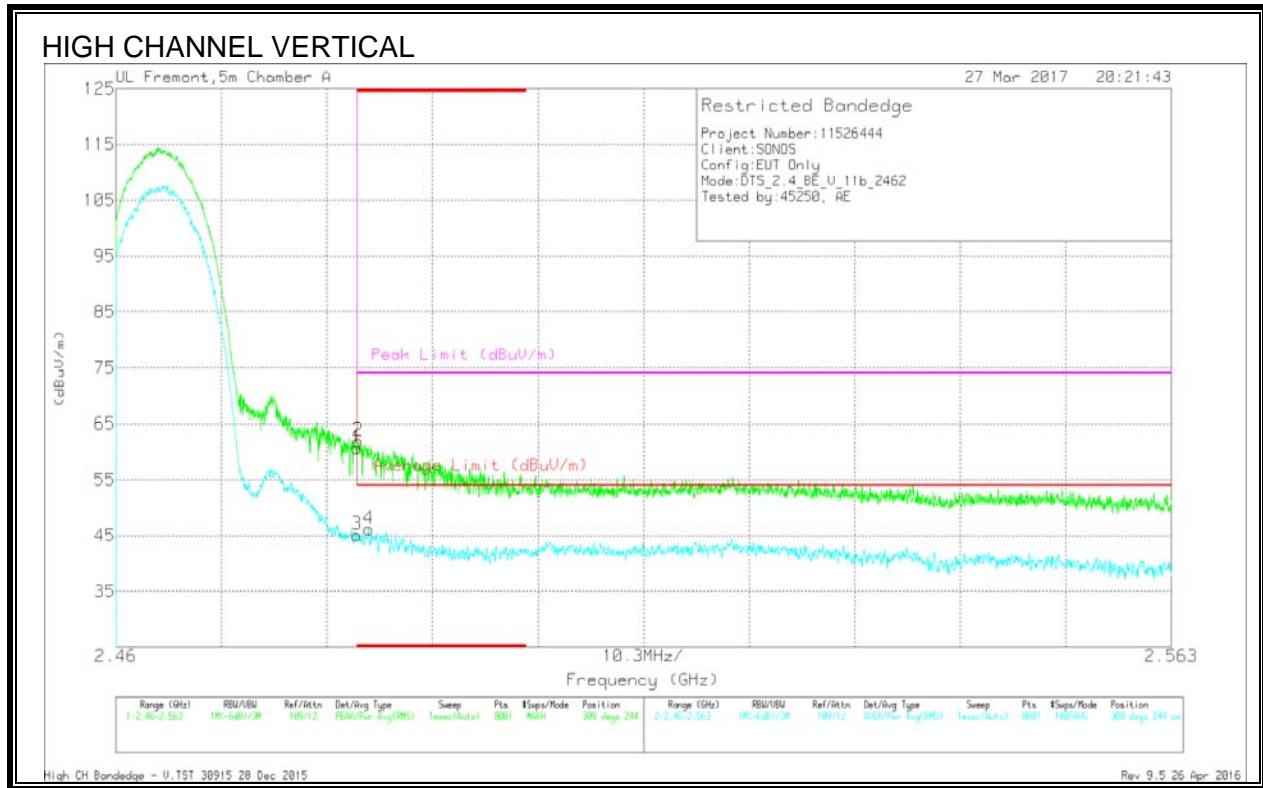
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T711 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Alzimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.53	Pk	32.5	-23.6	0	56.43	-	-	74	-17.57	36	237	H
2	* 2.484	47.93	Pk	32.5	-23.6	0	56.83	-	-	74	-17.17	36	237	H
3	* 2.484	35.23	RMS	32.5	-23.6	.15	44.28	54	-9.72	-	-	36	237	H
4	* 2.484	35.68	RMS	32.5	-23.6	.15	44.73	54	-9.27	-	-	36	237	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

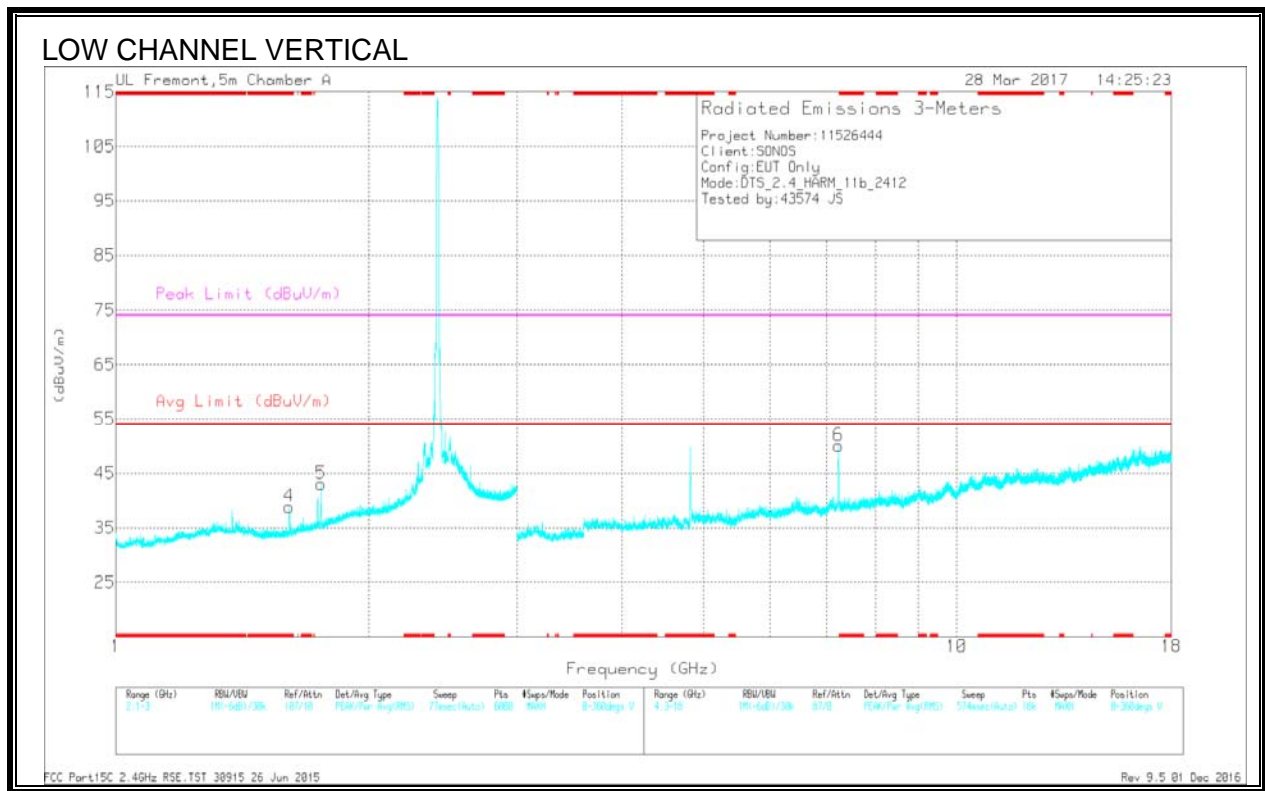
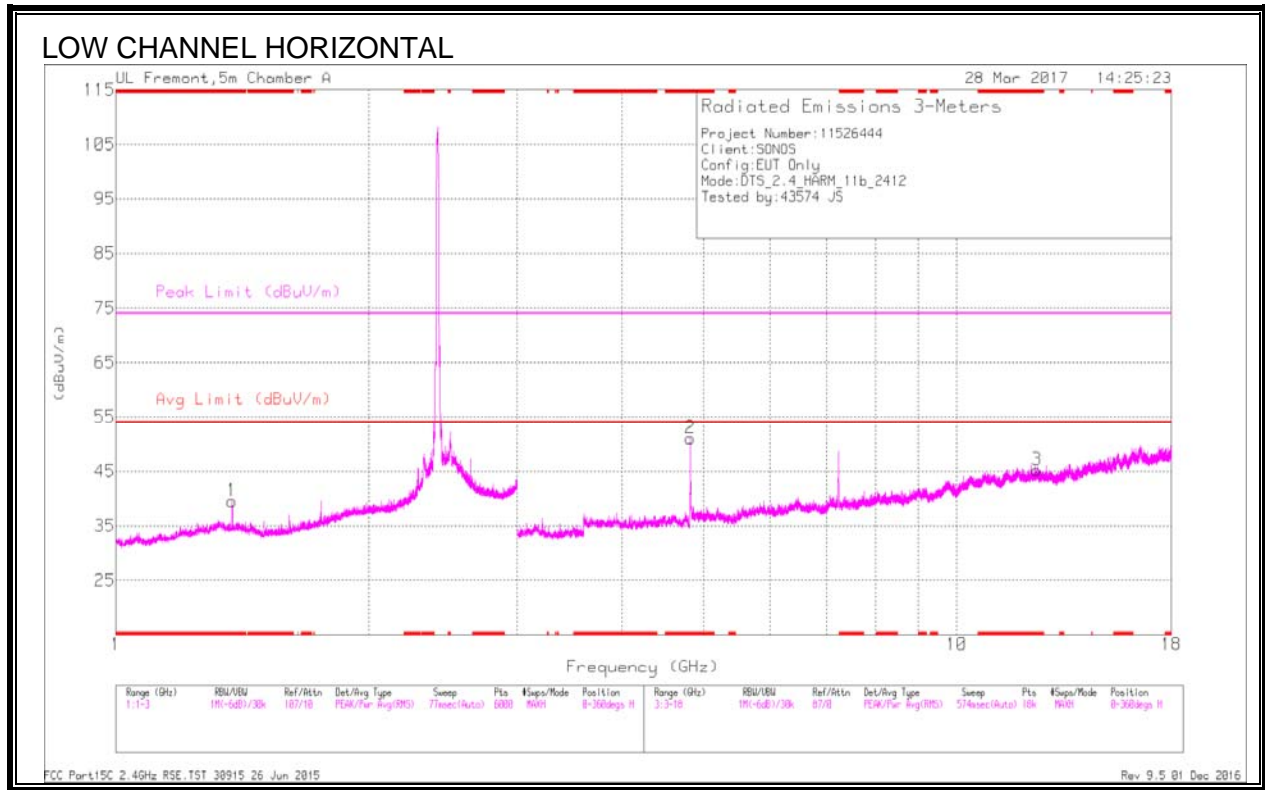
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.83	PK	32.5	-23.6	0	60.73	-	-	74	-13.27	309	244	V
2	* 2.484	53.04	PK	32.5	-23.6	0	61.94	-	-	74	-12.06	309	244	V
3	* 2.484	36.09	RMS	32.5	-23.6	.15	45.14	54	-8.86	-	-	309	244	V
4	* 2.485	37.18	RMS	32.6	-23.7	.15	46.23	54	-7.77	-	-	309	244	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)



Radiated Emissions

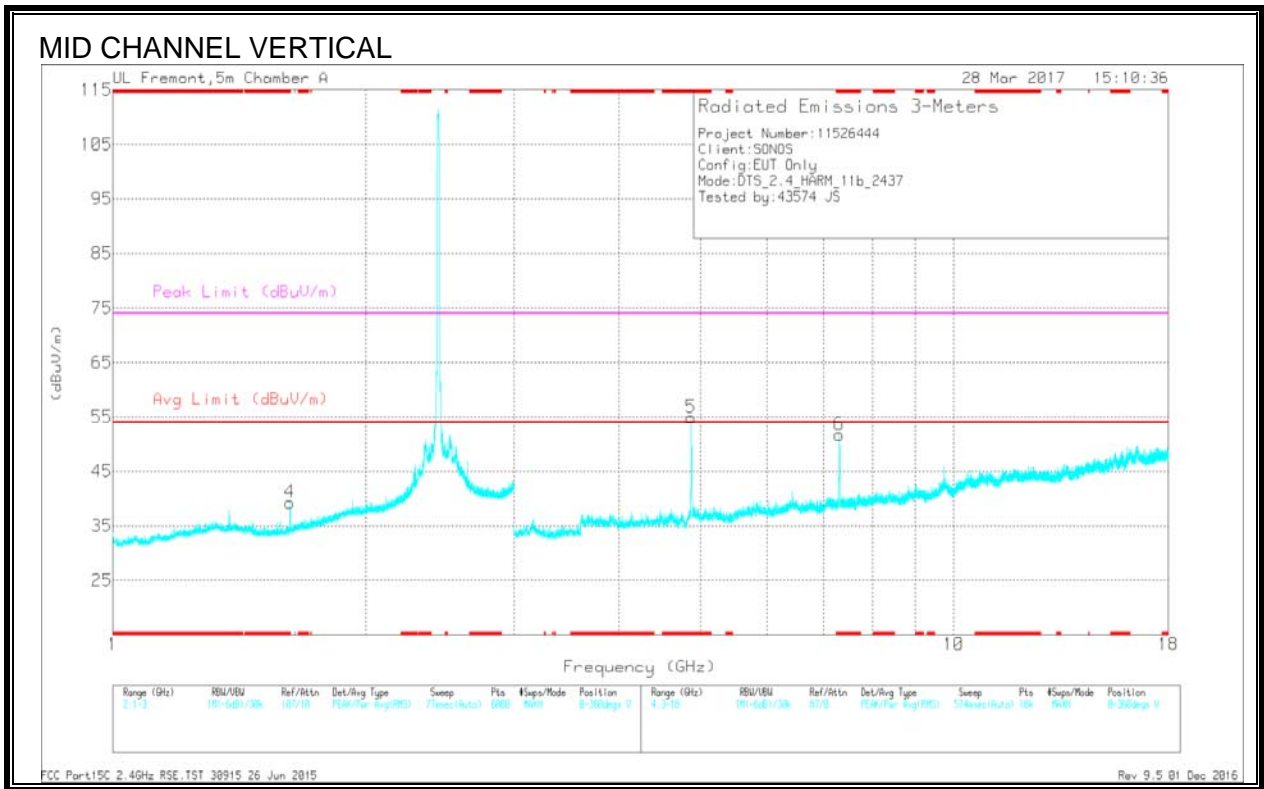
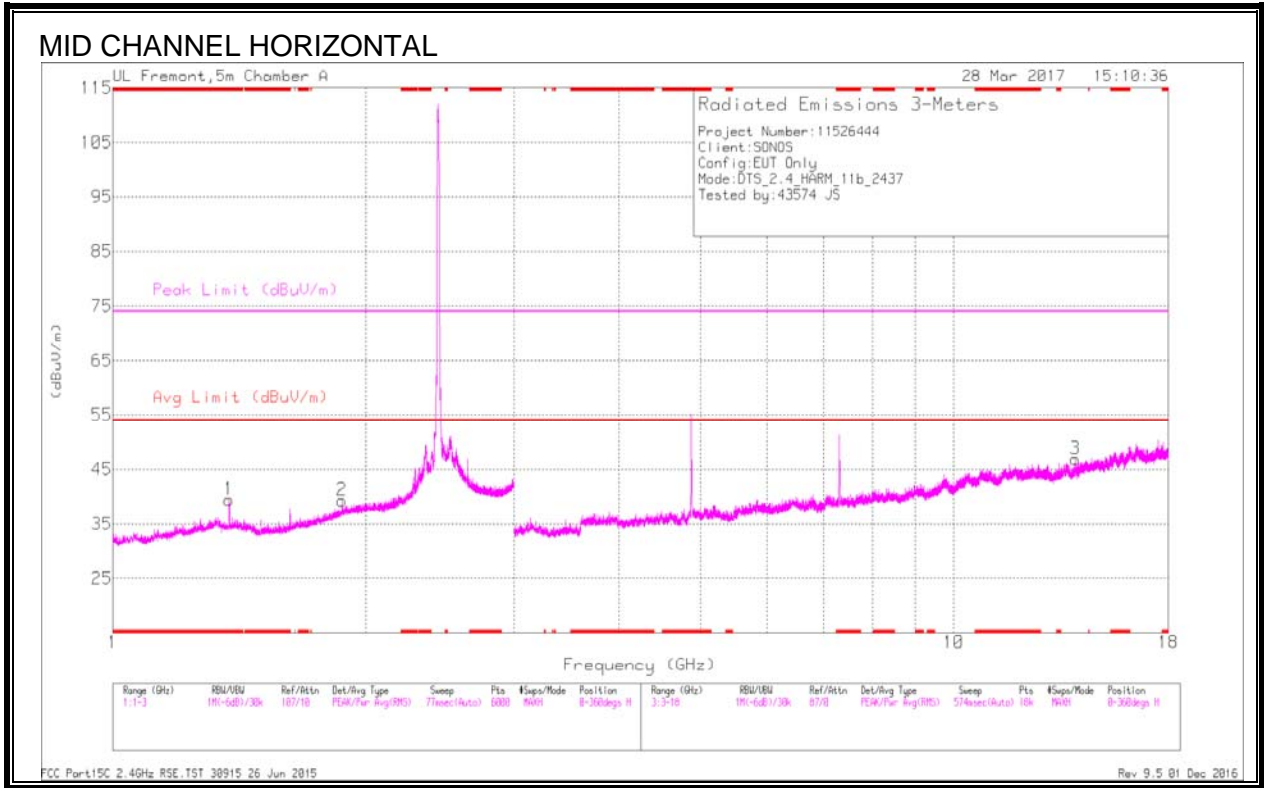
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.375	40	PK2	29.3	-23.8	0	45.5	-	-	74	-28.5	271	181	H
* 1.375	32.67	MAV1	29.3	-23.8	.15	38.32	54	-15.68	-	-	271	181	H
* 1.608	38.73	PK2	28.3	-23.7	0	43.33	-	-	74	-30.67	198	112	V
* 1.608	31.59	MAV1	28.3	-23.7	.15	36.34	54	-17.66	-	-	198	112	V
* 4.824	49.1	PK2	34	-28.2	0	54.9	-	-	74	-19.1	332	103	H
* 4.824	40.62	MAV1	34	-28.2	.15	46.57	54	-7.43	-	-	332	103	H
* 12.451	32.67	PK2	38.9	-19.9	0	51.67	-	-	74	-22.33	228	205	H
* 12.449	21.59	MAV1	38.9	-19.9	.15	40.74	54	-13.26	-	-	228	205	H
1.752	35.94	PK2	29.8	-23.7	0	42.04	-	-	-	-	165	183	V
1.754	24.23	MAV1	29.8	-23.7	.15	30.48	-	-	-	-	165	183	V
7.238	43.55	PK2	35.5	-24.9	0	54.15	-	-	-	-	315	265	V
7.239	33.48	MAV1	35.5	-24.9	.15	44.23	-	-	-	-	315	265	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, CH 6)



Radiated Emissions

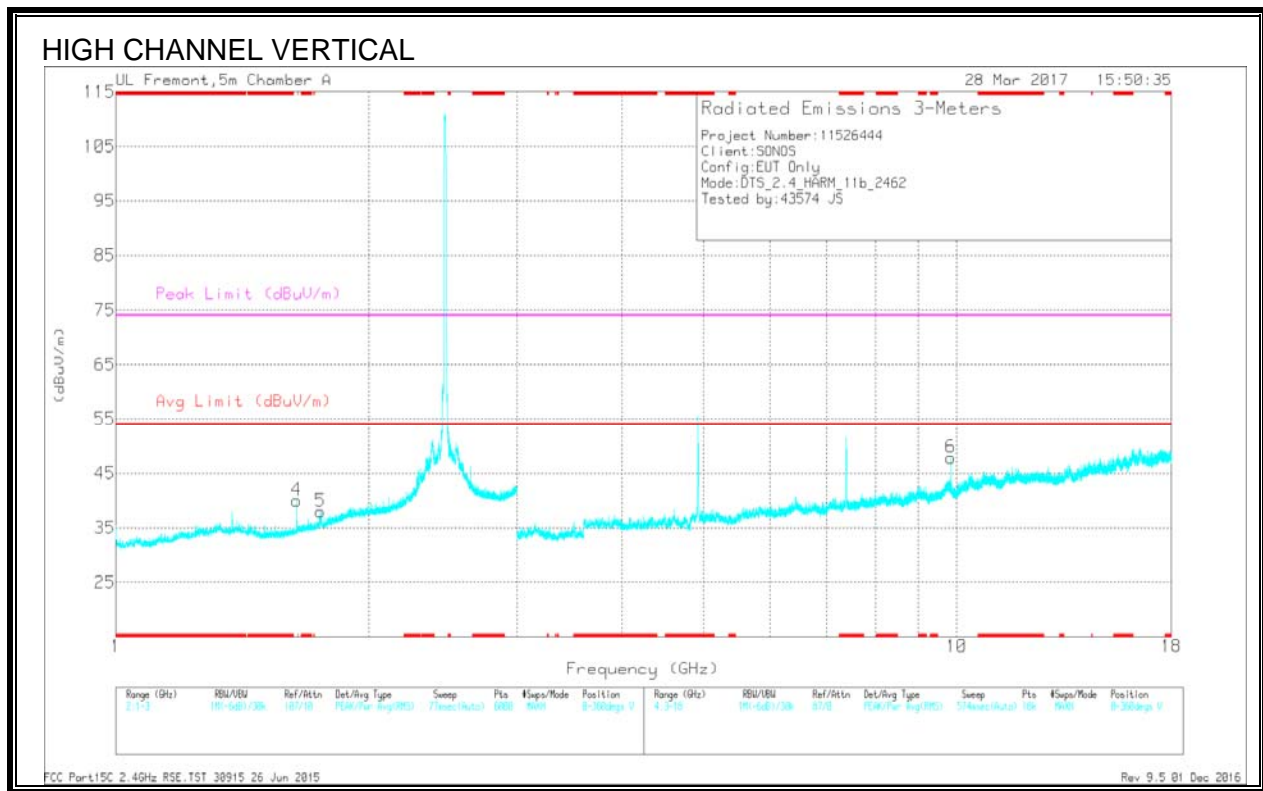
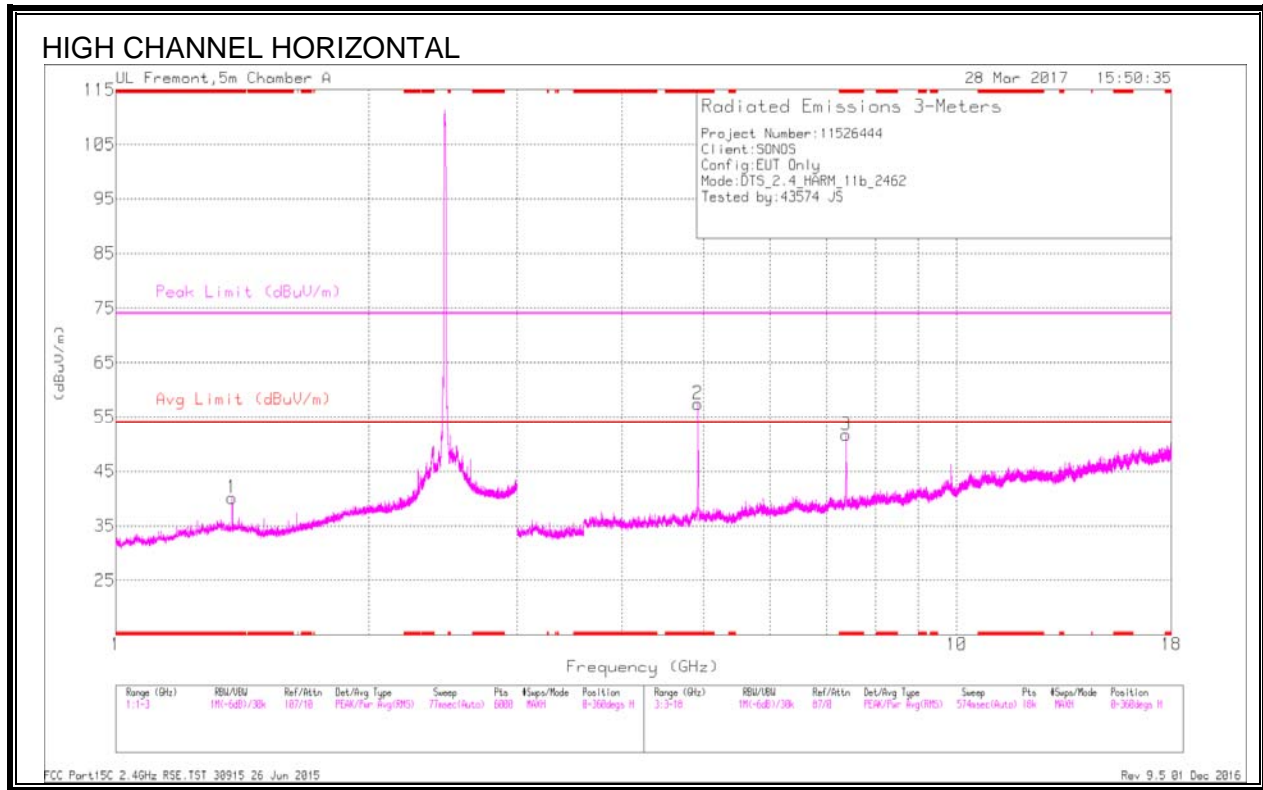
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.373	36.13	PK2	29.3	-23.8	0	41.63	-	-	74	-32.37	268	300	H
* 1.375	24.07	MAV1	29.3	-23.8	.15	29.72	54	-24.28	-	-	268	300	H
* 1.625	38.69	PK2	28.5	-23.6	0	43.59	-	-	74	-30.41	355	167	V
* 1.625	31.23	MAV1	28.5	-23.6	.15	36.28	54	-17.72	-	-	355	167	V
* 4.874	48.43	PK2	34	-27.8	0	54.63	-	-	74	-19.37	42	339	V
* 4.874	40.35	MAV1	34	-27.8	.15	46.7	54	-7.3	-	-	42	339	V
* 7.313	46.4	PK2	35.5	-25	0	56.9	-	-	74	-17.1	1	274	V
* 7.312	37.26	MAV1	35.5	-25	.15	47.91	54	-6.09	-	-	1	274	V
1.871	36.82	PK2	31	-23.5	0	44.32	-	-	-	-	313	167	H
1.872	24.39	MAV1	31	-23.5	.15	32.04	-	-	-	-	313	167	H
13.954	33.25	PK2	38.7	-19.6	0	52.35	-	-	-	-	80	195	H
13.954	21.27	MAV1	38.7	-19.6	.15	40.52	-	-	-	-	80	195	H

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, CH 11)



Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/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
* 1.374	35.85	PK2	29.3	-23.8	0	41.35	-	-	74	-32.65	164	217	H
* 1.374	24	MAV1	29.3	-23.7	.15	29.75	54	-24.25	-	-	164	217	H
* 4.924	52.76	PK2	34.1	-27.8	0	59.06	-	-	74	-14.94	330	227	H
* 4.924	45.53	MAV1	34.1	-27.8	.15	51.98	54	-2.02	-	-	330	227	H
* 7.387	48.54	PK2	35.5	-23.9	0	60.14	-	-	74	-13.86	358	322	H
* 7.387	39.33	MAV1	35.5	-23.9	.15	51.08	54	-2.92	-	-	358	322	H
1.641	40.64	PK2	28.6	-23.7	0	45.54	-	-	-	-	355	203	V
1.641	33.27	MAV1	28.6	-23.7	.15	38.32	-	-	-	-	355	203	V
1.753	39.56	PK2	29.8	-23.7	0	45.66	-	-	-	-	108	156	V
1.753	24.18	MAV1	29.8	-23.7	.15	30.43	-	-	-	-	108	156	V

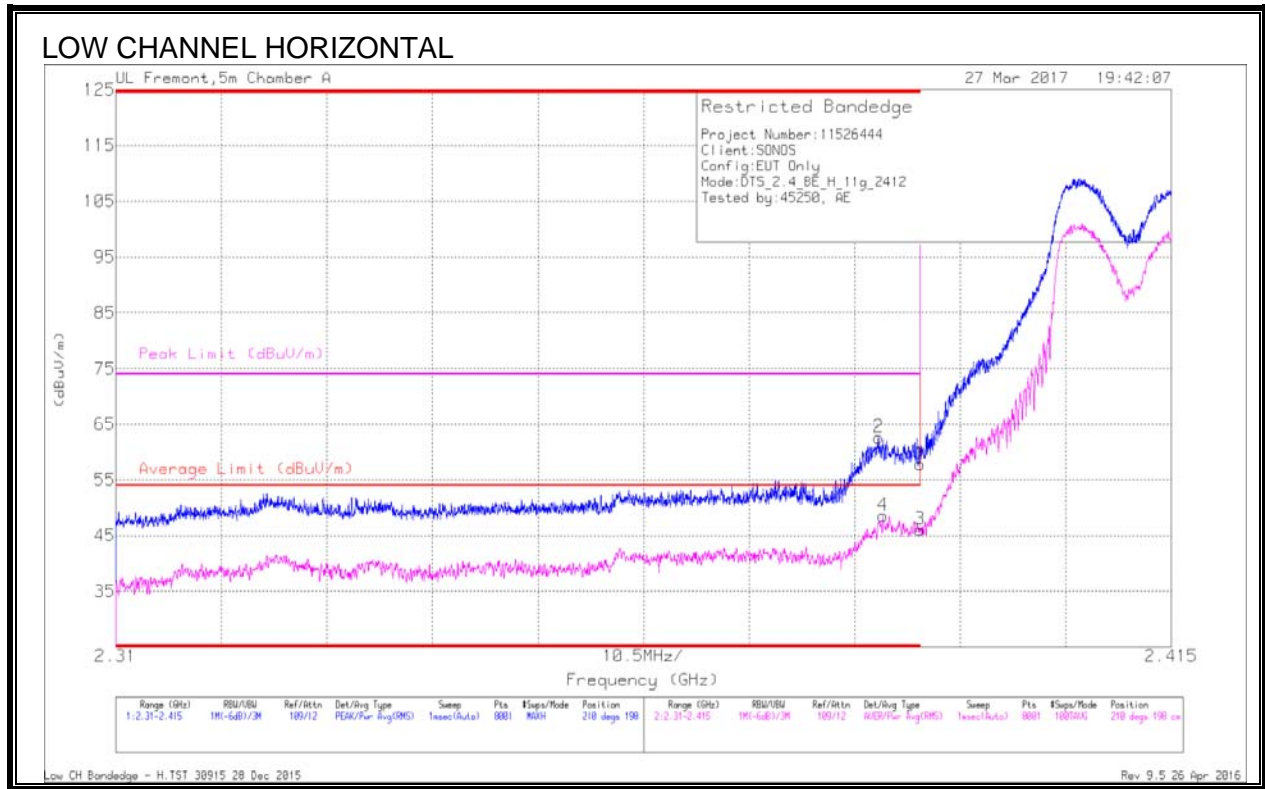
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. 11g 3TX CDD MIMO MODE IN THE 2.4GHZ BAND

AUTHORIZED BANDEGE (LOW CHANNEL, CH 1)



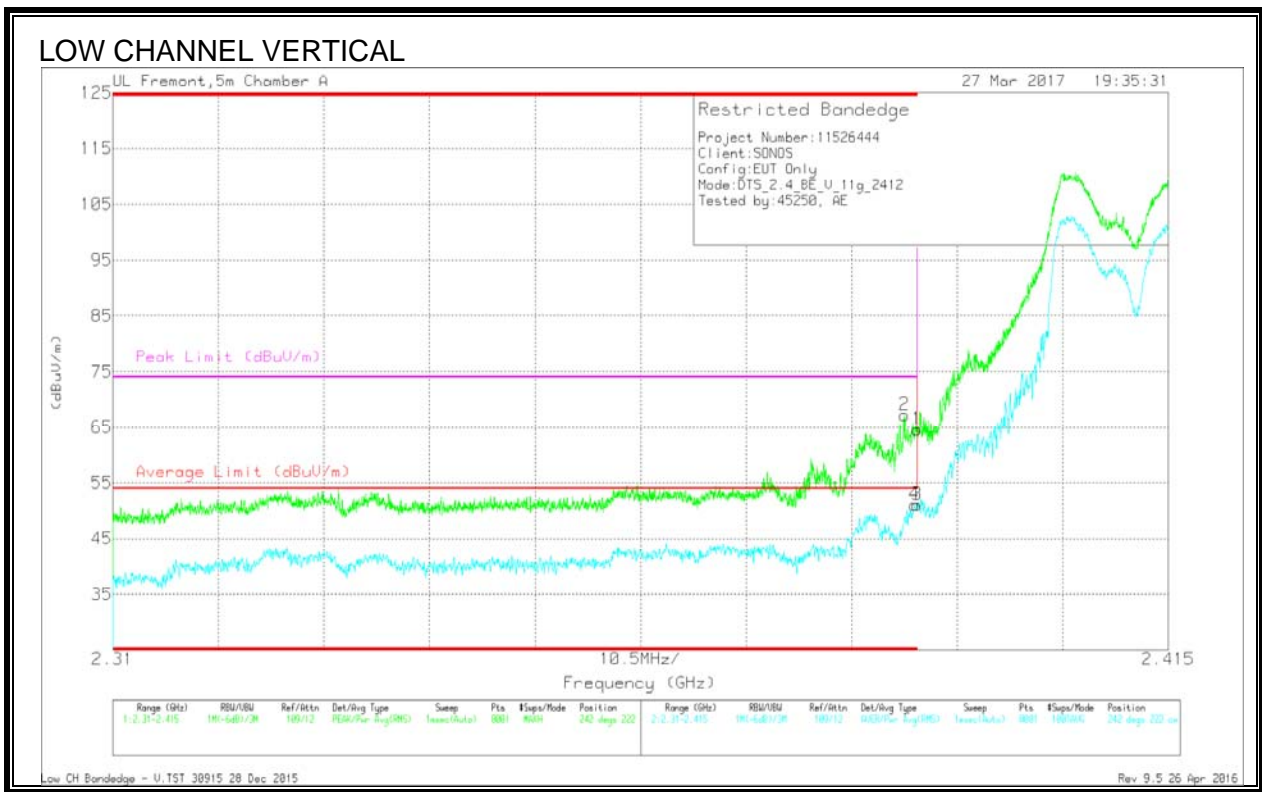
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T111 (dB/m)	Amp/Ch/Filter/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
2	* 2.386	54.24	Pk	32.1	-23.7	0	62.64	-	-	74	-11.36	210	198	H
4	* 2.386	39.76	RMS	32.1	-23.7	.4	48.56	54	-5.44	-	-	210	198	H
1	* 2.39	49.46	Pk	32.1	-23.7	0	57.86	-	-	74	-16.14	210	198	H
3	* 2.39	37.24	RMS	32.1	-23.7	.4	46.04	54	-7.96	-	-	210	198	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

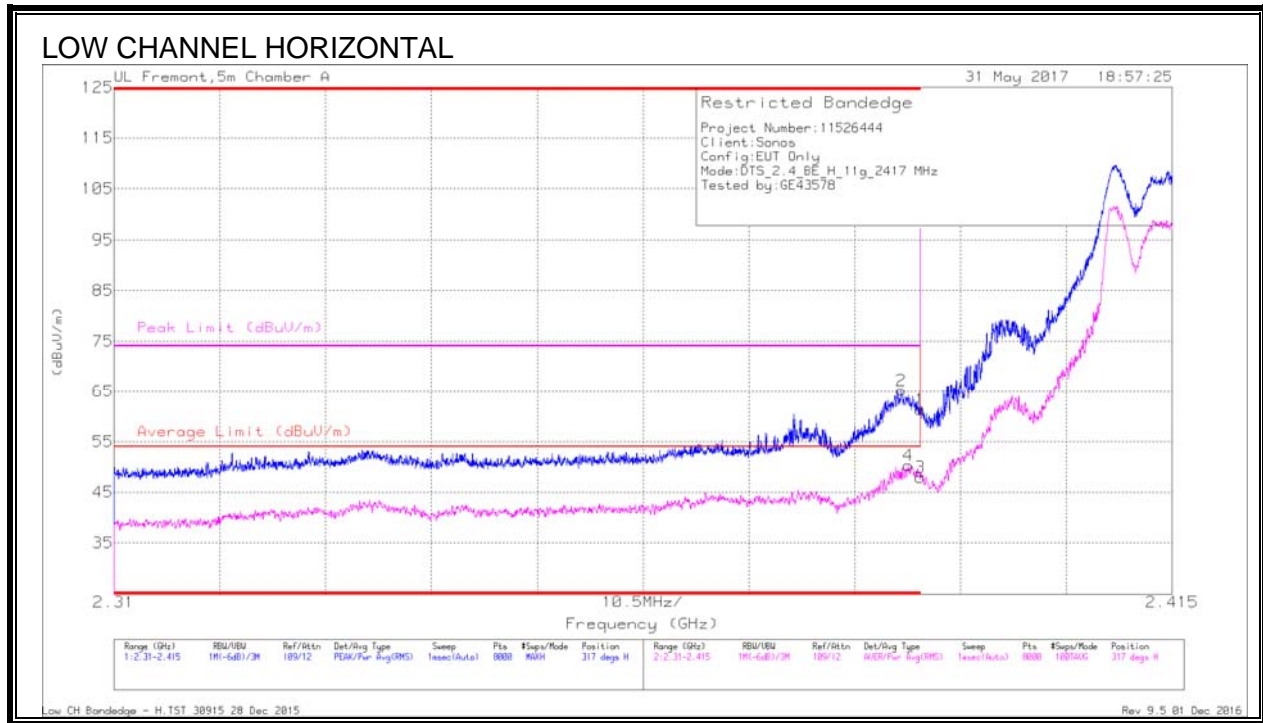
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2	* 2.389	58.76	Pk	32.1	-23.7	0	67.16	-	-	74	-6.84	242	222	V
1	* 2.39	56.14	Pk	32.1	-23.7	0	64.54	-	-	74	-9.46	242	222	V
3	* 2.39	42.18	RMS	32.1	-23.7	.4	50.98	54	-3.02	-	-	242	222	V
4	* 2.39	42.29	RMS	32.1	-23.7	.4	51.09	54	-2.91	-	-	242	222	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 2)



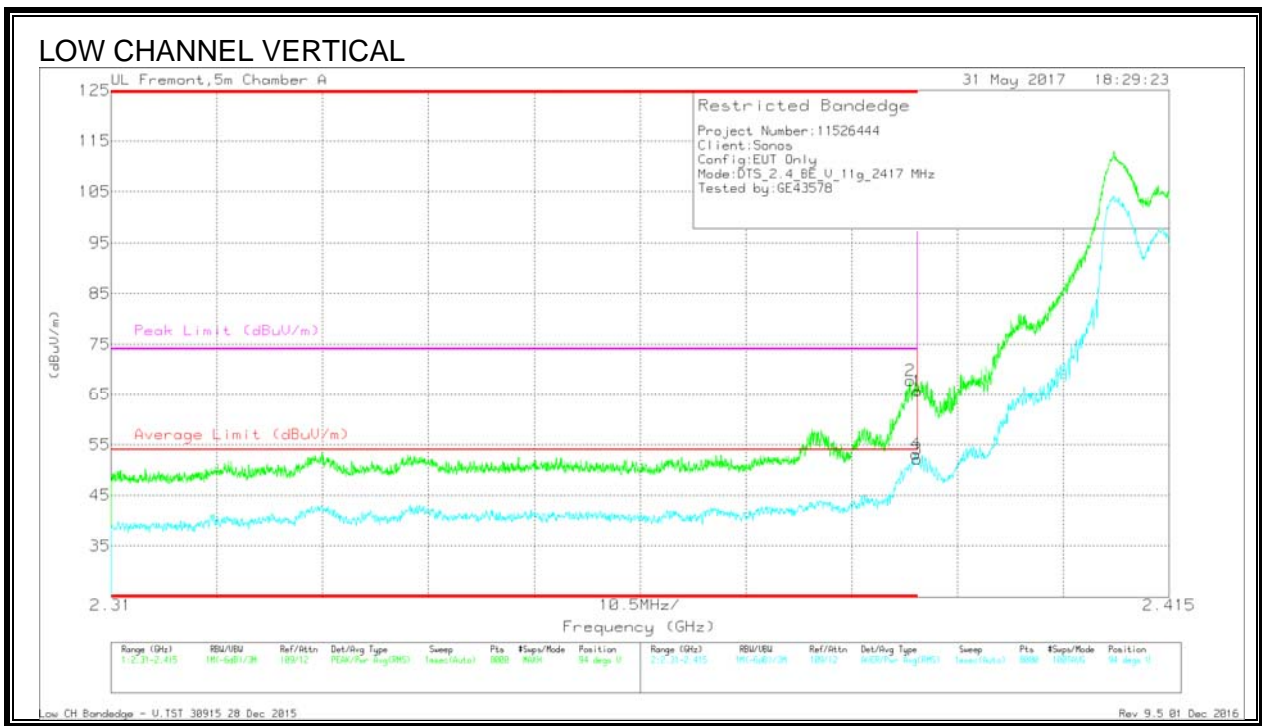
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T711 (dB/m)	Amp/Ch/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.95	Pk	32.1	-23.7	0	61.35	-	-	74	-12.65	317	191	H
2	* 2.388	56.79	Pk	32.1	-23.7	0	65.19	-	-	74	-8.81	317	191	H
3	* 2.39	39.09	RMS	32.1	-23.7	.4	47.89	54	-6.11	-	-	317	191	H
4	* 2.389	41.5	RMS	32.1	-23.7	.4	50.3	54	-3.7	-	-	317	191	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

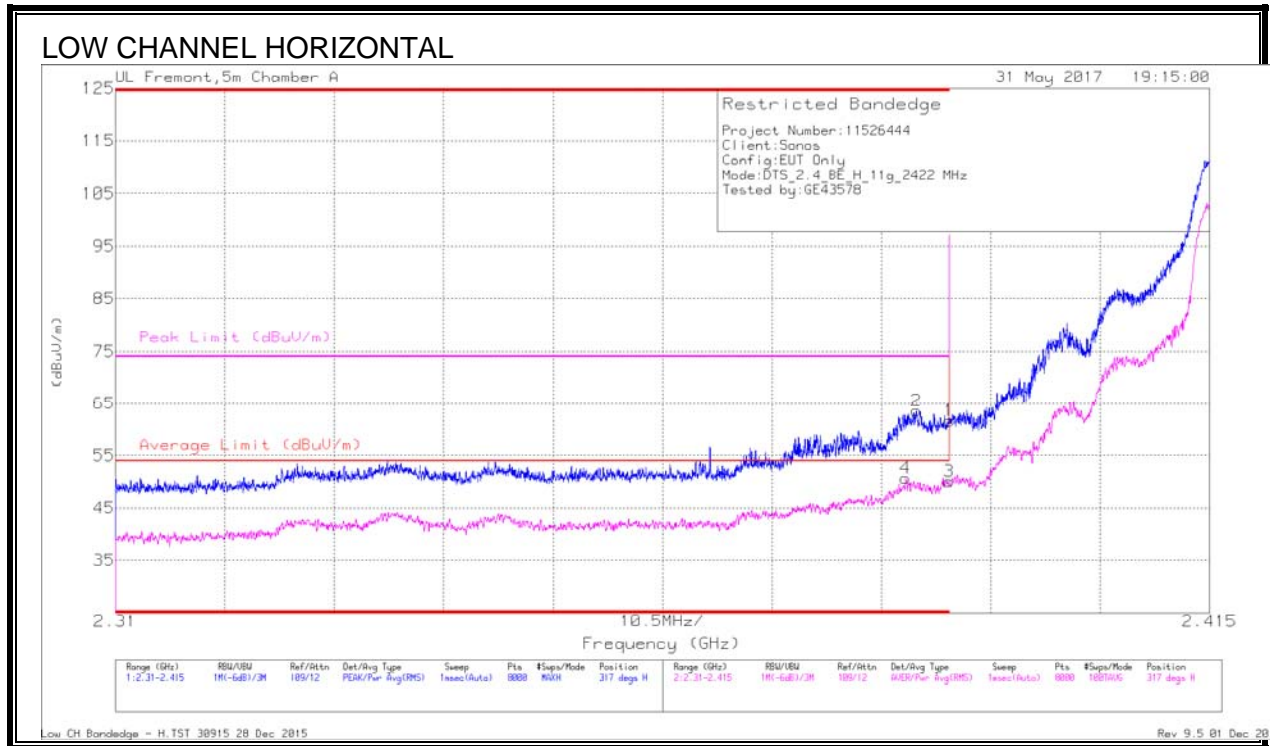
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T711 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	57.33	Pk	32.1	-23.7	0	65.73	-	-	74	-8.27	94	234	V
2	* 2.389	59.39	Pk	32.1	-23.7	0	67.79	-	-	74	-6.21	94	234	V
3	* 2.39	43.37	RMS	32.1	-23.7	.4	52.17	54	-1.83	-	-	94	234	V
4	* 2.39	44.31	RMS	32.1	-23.7	.4	53.11	54	-.89	-	-	94	234	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 3)



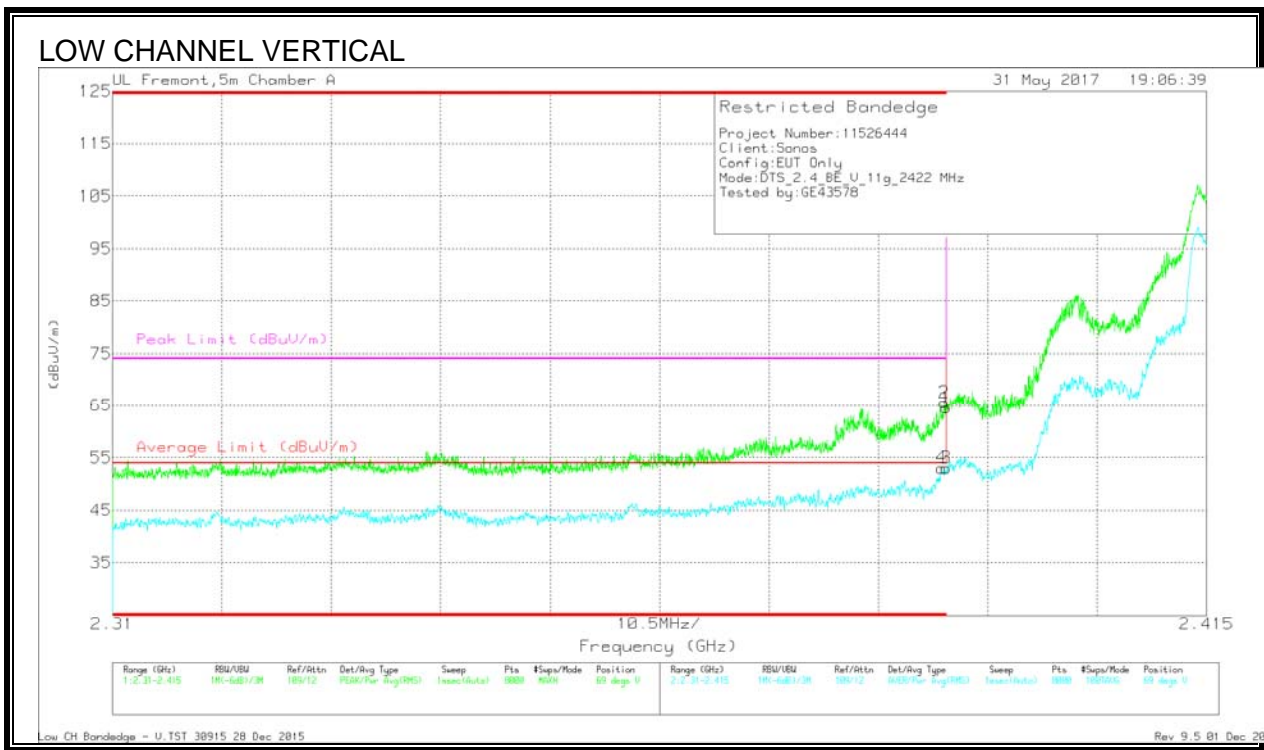
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Ch/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altmth (Degs)	Height (cm)	Polarity
4	* 2.386	41.89	RMS	32.1	-23.7	.4	50.69	54	-3.31	-	-	317	162	H
2	* 2.387	55.12	Pk	32.1	-23.7	0	63.52	-	-	74	-10.48	317	162	H
1	* 2.39	53.18	Pk	32.1	-23.7	0	61.58	-	-	74	-12.42	317	162	H
3	* 2.39	41.3	RMS	32.1	-23.7	.4	50.1	54	-3.9	-	-	317	162	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

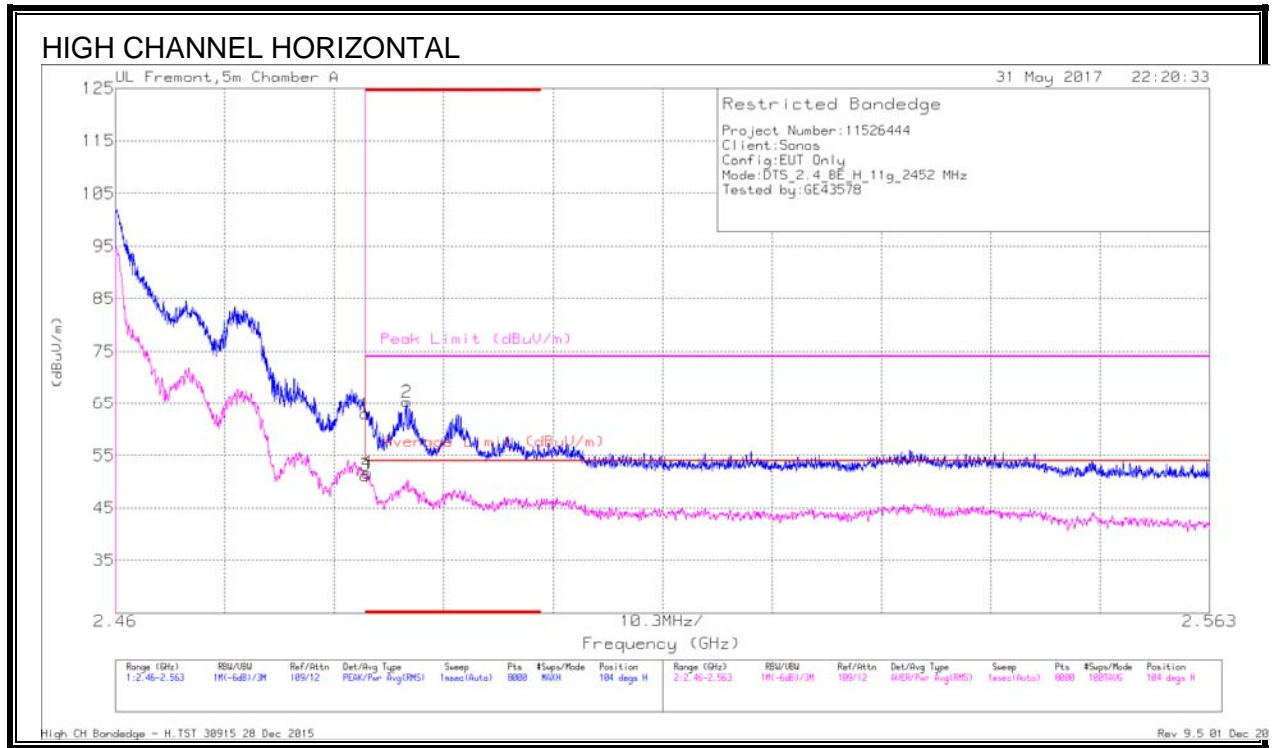
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T111 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.19	Pk	32.1	-23.7	0	64.59	-	-	74	-9.41	69	211	V
2	* 2.39	57.12	Pk	32.1	-23.7	0	65.52	-	-	74	-8.48	69	211	V
3	* 2.39	44.17	RMS	32.1	-23.7	.4	52.97	54	-1.03	-	-	69	211	V
4	* 2.39	44.19	RMS	32.1	-23.7	.4	52.99	54	-1.01	-	-	69	211	V

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

Pk - Peak detector

RMS - RMS detection

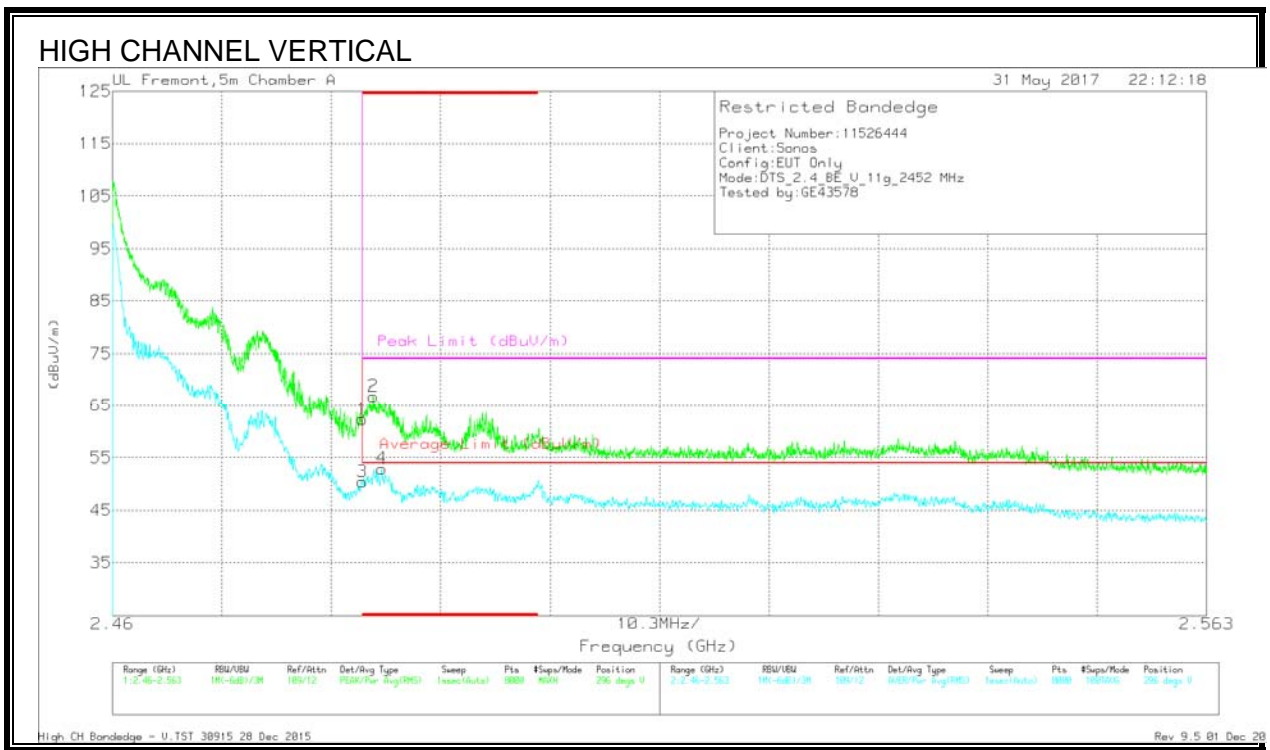
AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 9)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af 1711 (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	* 2.484	54.07	Pk	32.5	-23.6	0	62.97	-	-	74	-11.03	104	211	H
3	* 2.484	41.86	RMS	32.5	-23.6	.4	51.16	54	-2.84	-	-	104	211	H
4	* 2.484	42.33	RMS	32.5	-23.6	.4	51.63	54	-2.37	-	-	104	211	H
2	* 2.487	56.29	Pk	32.6	-23.6	0	65.29	-	-	74	-8.71	104	211	H

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



Trace Markers

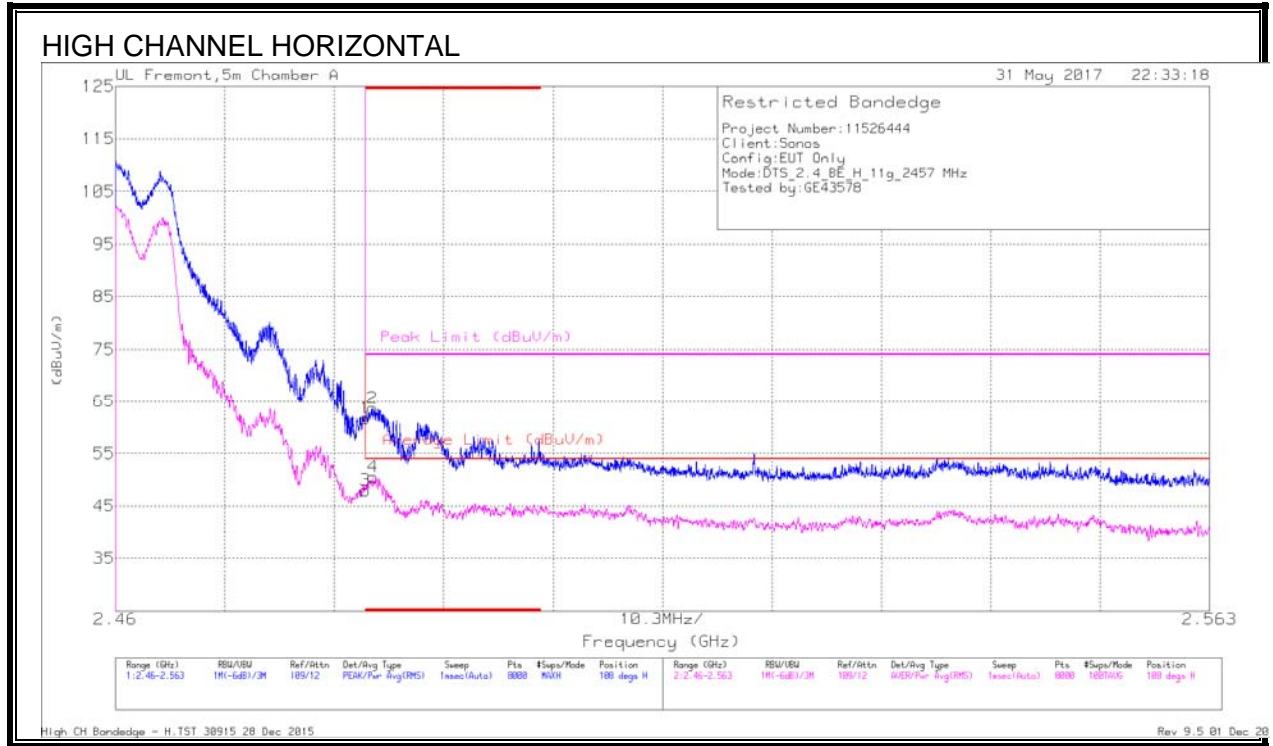
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.44	Pk	32.5	-23.6	0	62.34	-	-	74	-11.66	296	327	V
3	* 2.484	41.06	RMS	32.5	-23.6	.4	50.36	54	-3.64	-	-	296	327	V
2	* 2.485	57.95	Pk	32.6	-23.7	0	66.85	-	-	74	-7.15	296	327	V
4	* 2.485	43.59	RMS	32.6	-23.7	.4	52.89	54	-1.11	-	-	296	327	V

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

Pk - Peak detector

RMS - RMS detection

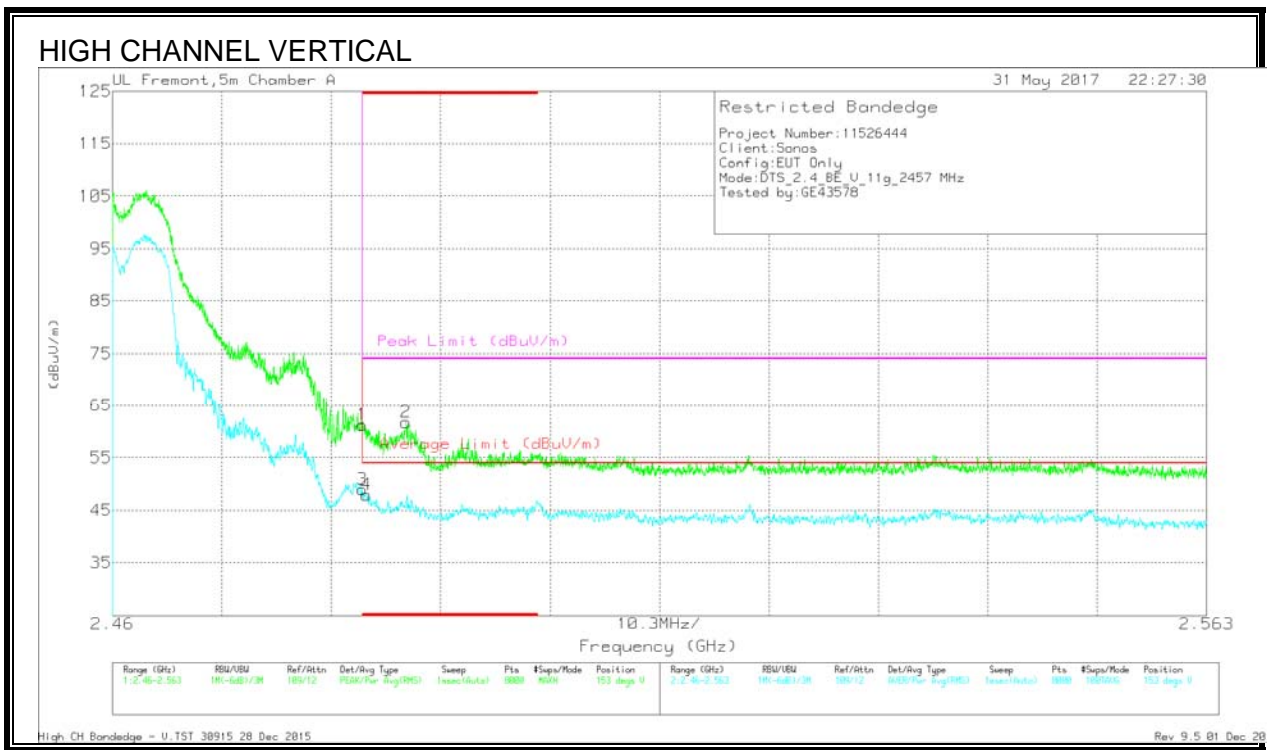
AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 10)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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	* 2.484	52.8	Pk	32.5	-23.6	0	61.7	-	-	74	-12.3	108	268	H
2	* 2.484	54.85	Pk	32.5	-23.6	0	63.75	-	-	74	-10.25	108	268	H
3	* 2.484	38.62	RMS	32.5	-23.6	.4	47.92	54	-6.08	-	-	108	268	H
4	* 2.484	41.16	RMS	32.6	-23.6	.4	50.56	54	-3.44	-	-	108	268	H

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



Trace Markers

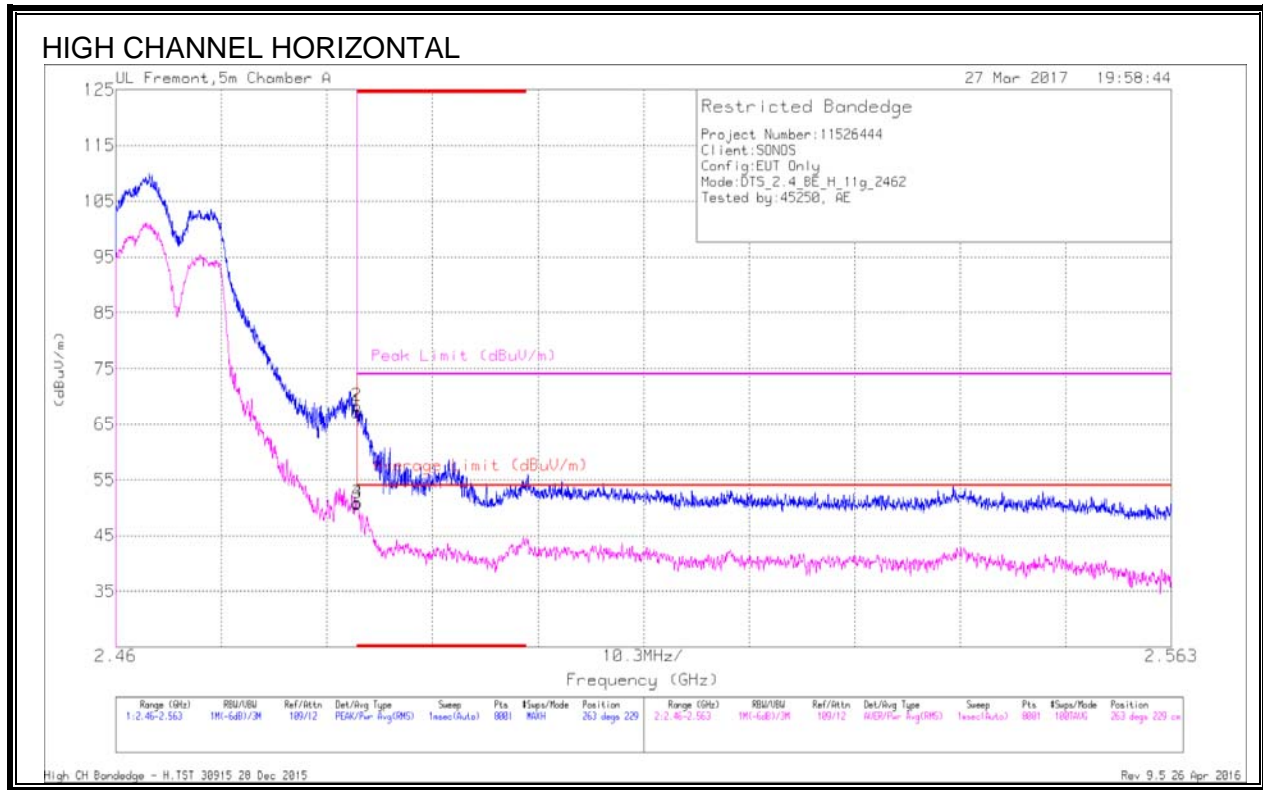
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.29	Pk	32.5	-23.6	0	61.19	-	-	74	-12.81	153	340	V
3	* 2.484	39.58	RMS	32.5	-23.6	.4	48.88	54	-5.12	-	-	153	340	V
4	* 2.484	38.68	RMS	32.5	-23.6	.4	47.98	54	-6.02	-	-	153	340	V
2	* 2.488	52.74	Pk	32.6	-23.6	0	61.74	-	-	74	-12.26	153	340	V

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

Pk - Peak detector

RMS - RMS detection

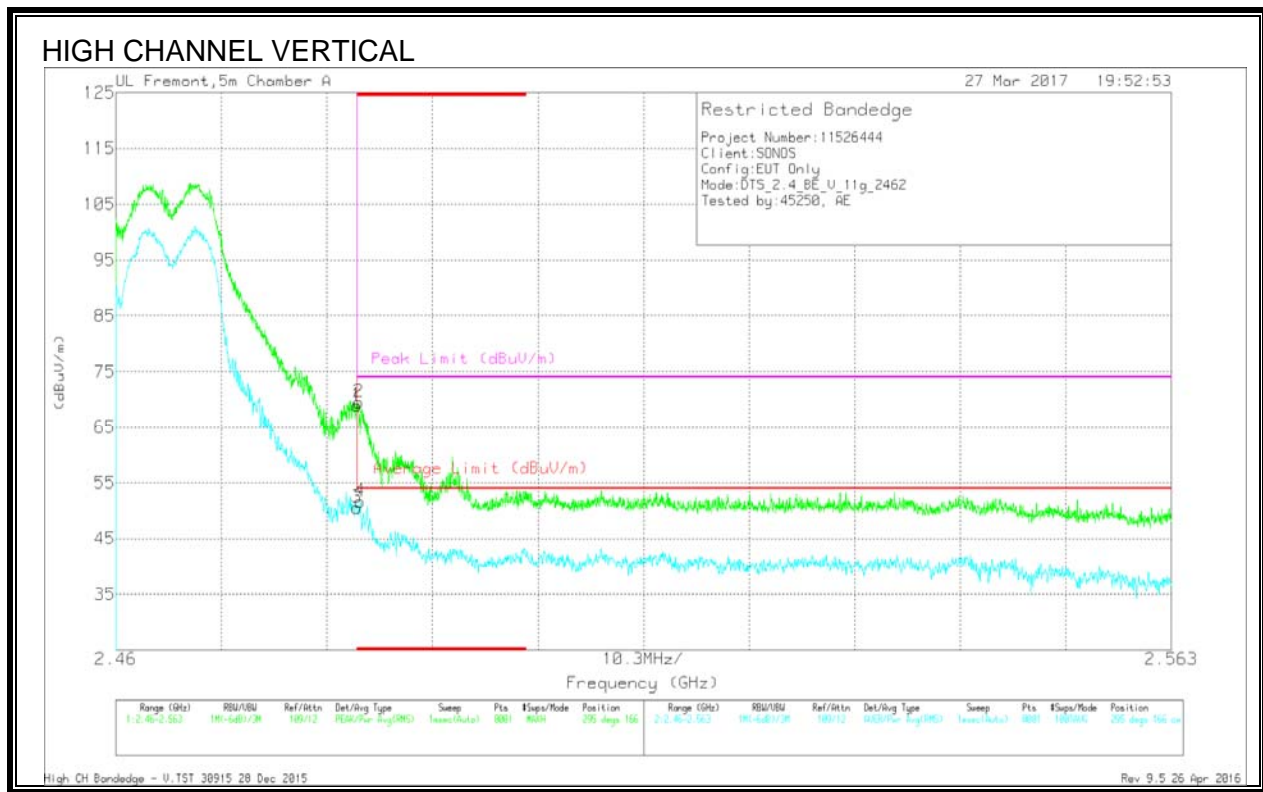
AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Az T111 (dB/m)	Amp/Ch/Flr/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	* 2.484	58.27	Pk	32.5	-23.6	0	67.17	-	-	74	-6.83	263	229	H
2	* 2.484	59.43	Pk	32.5	-23.6	0	68.33	-	-	74	-5.67	263	229	H
3	* 2.484	41.54	RMS	32.5	-23.6	.4	50.84	54	-3.16	-	-	263	229	H
4	* 2.484	41.62	RMS	32.5	-23.6	.4	50.92	54	-3.08	-	-	263	229	H

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



Trace Markers

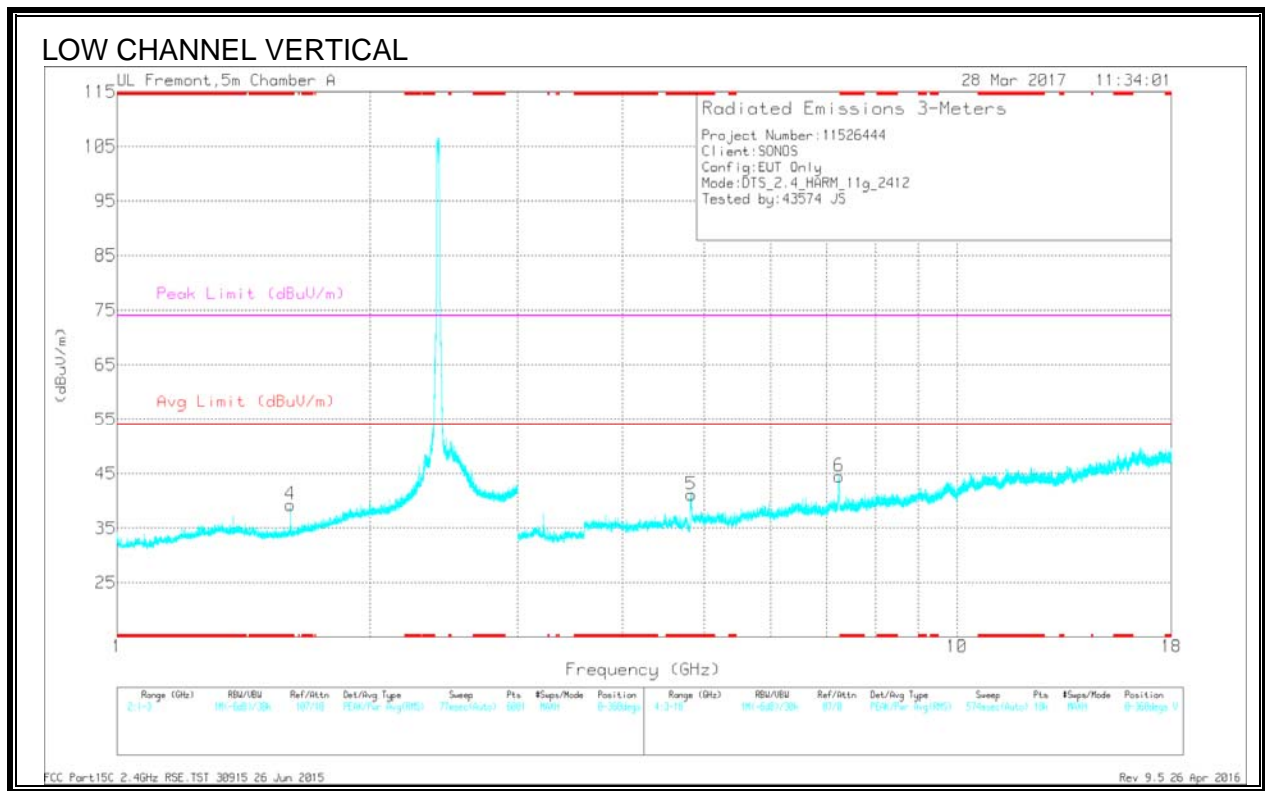
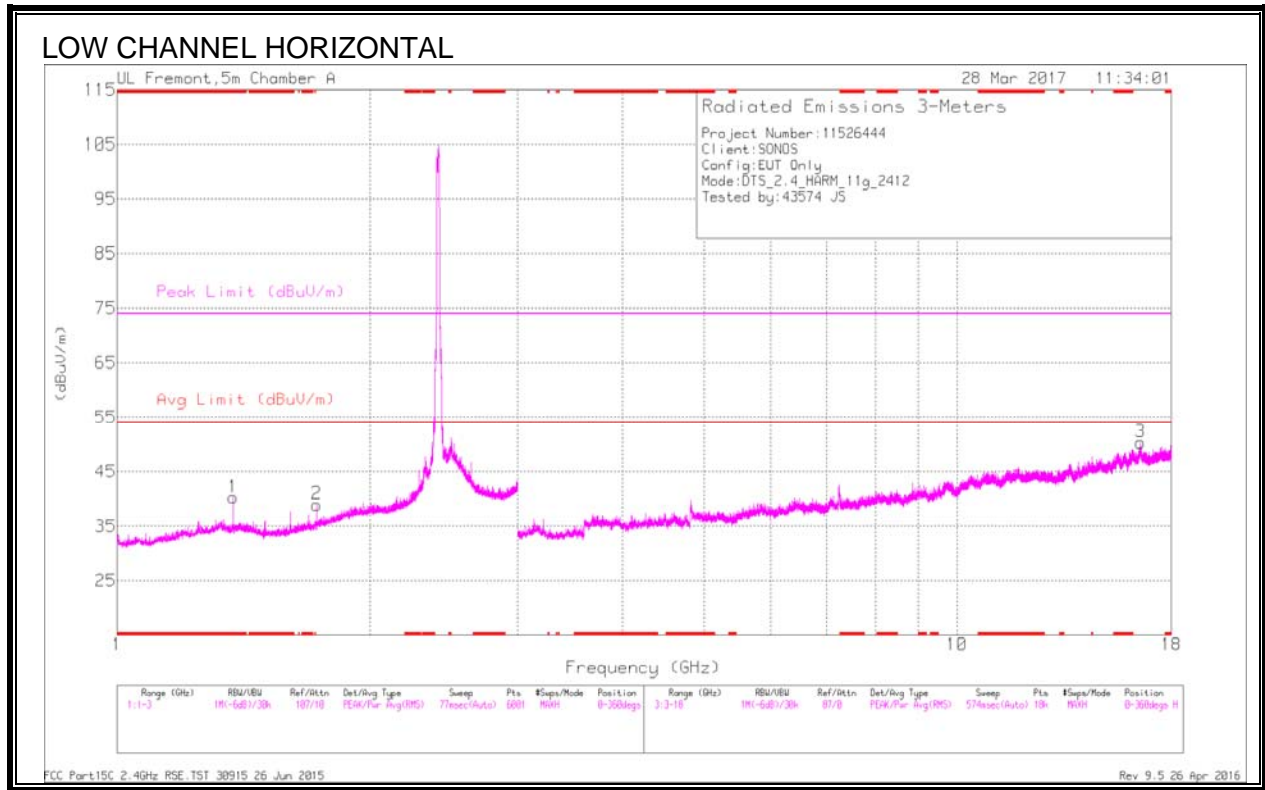
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1711 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	59.96	Pk	32.5	-23.6	0	68.86	-	-	74	-5.14	295	166	V
2	* 2.484	60.62	Pk	32.5	-23.6	0	69.52	-	-	74	-4.48	295	166	V
3	* 2.484	41.25	RMS	32.5	-23.6	.4	50.55	54	-3.45	-	-	295	166	V
4	* 2.484	42.41	RMS	32.5	-23.6	.4	51.71	54	-2.29	-	-	295	166	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)



Radiated Emissions

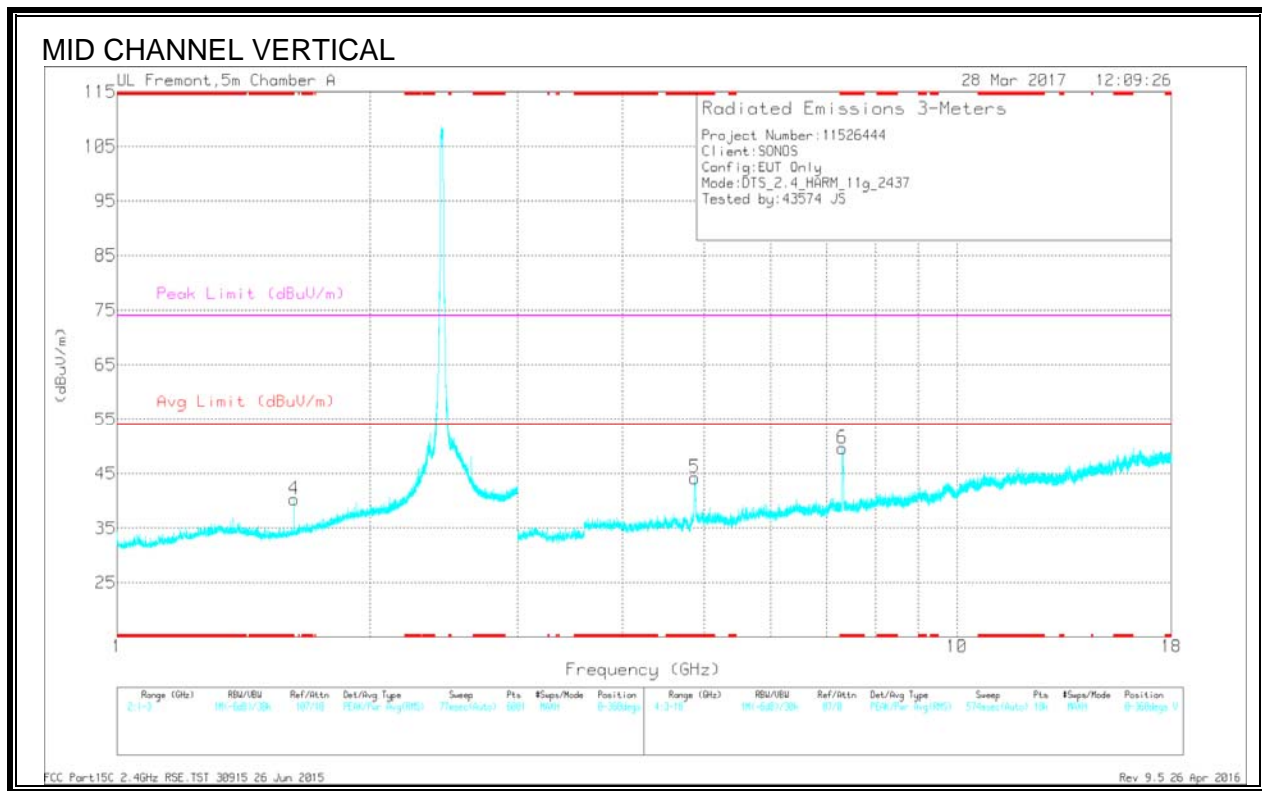
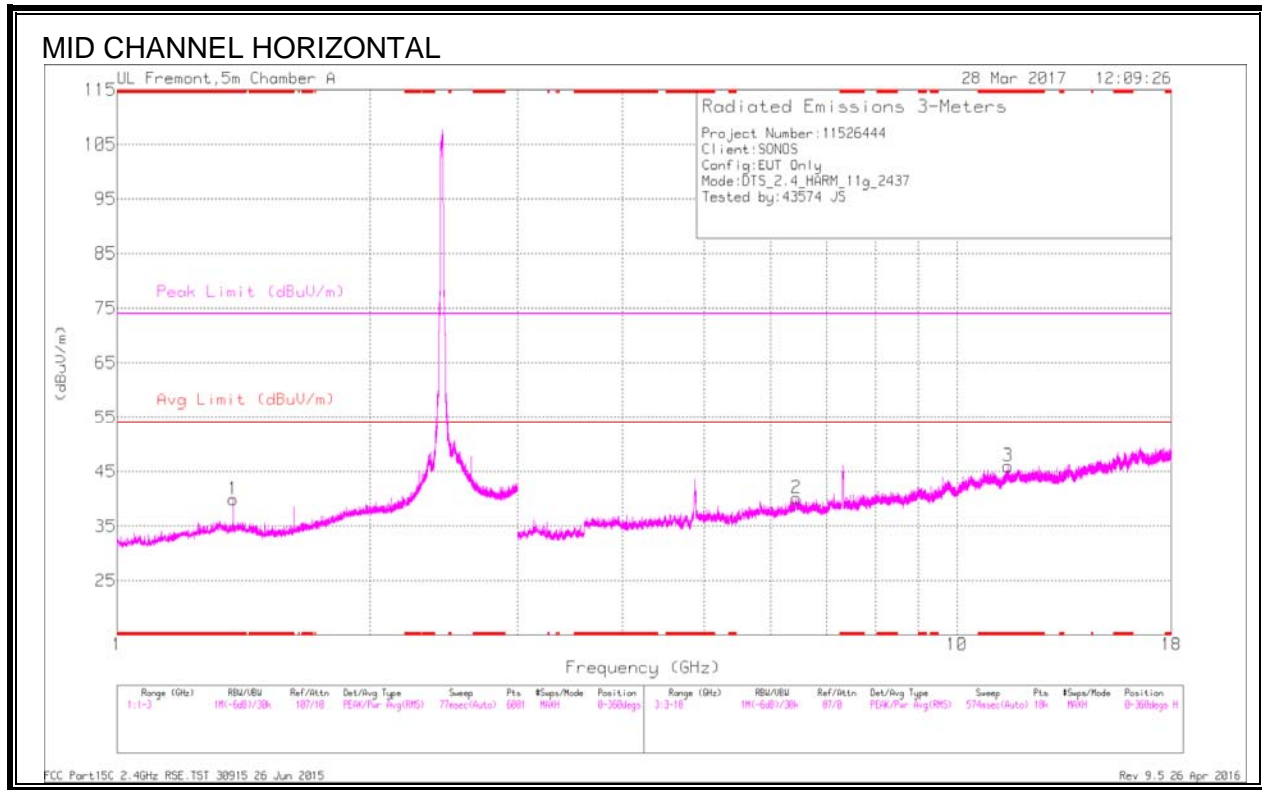
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.375	36.12	PK2	29.3	-23.8	0	41.62	-	-	74	-32.38	269	143	H
* 1.376	24.57	MAV1	29.3	-23.8	.4	30.47	54	-23.53	-	-	269	143	H
* 1.608	39.58	PK2	28.3	-23.7	0	44.18	-	-	74	-29.82	197	103	V
* 1.608	33.17	MAV1	28.3	-23.7	.4	38.17	54	-15.83	-	-	197	103	V
* 4.825	43.41	PK2	34	-28.2	0	49.21	-	-	74	-24.79	246	129	V
* 4.825	31.44	MAV1	34	-28.2	.4	37.64	54	-16.36	-	-	246	129	V
1.728	25.37	MAV1	29.6	-23.8	.4	31.57	-	-	-	-	332	139	H
1.731	35.57	PK2	29.6	-23.7	0	41.47	-	-	-	-	332	139	H
7.239	42.74	PK2	35.5	-24.9	0	53.34	-	-	-	-	104	178	V
7.239	29.73	MAV1	35.5	-24.9	.4	40.73	-	-	-	-	104	178	V
16.534	22.9	MAV1	41.7	-19	.4	46	-	-	-	-	244	150	H
16.535	32.04	PK2	41.7	-19	0	54.74	-	-	-	-	244	150	H

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL, CH 6)



Radiated Emissions

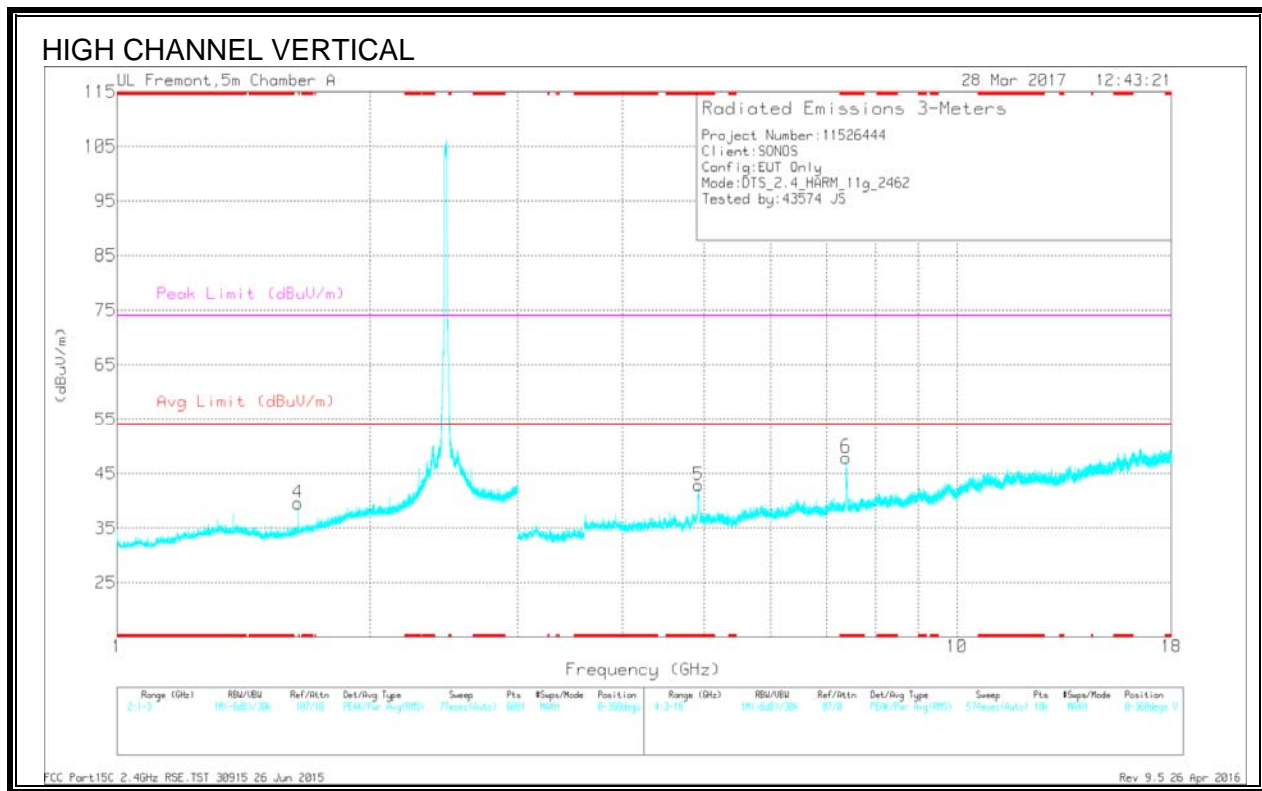
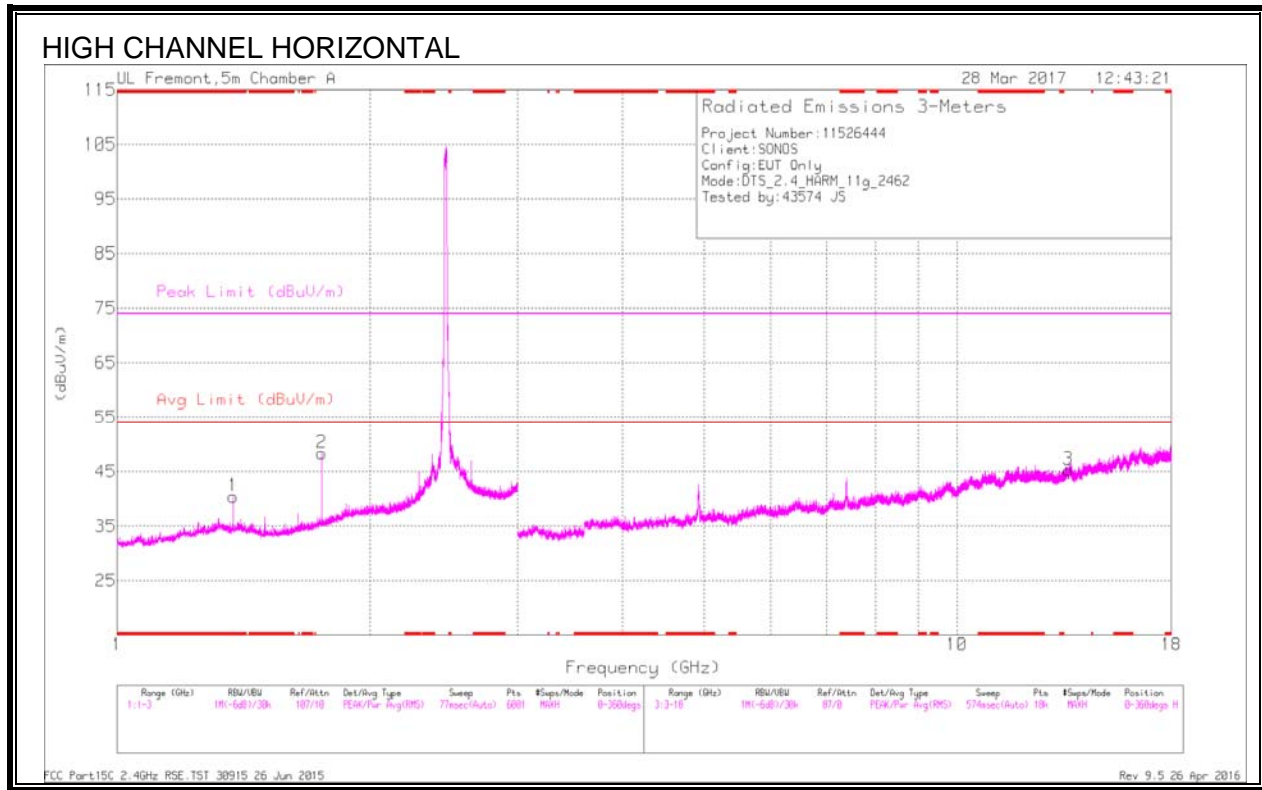
Frequency (GHz)	Meter Reading (dBuV)	Det	AFT711 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.375	39.14	PK2	29.3	-23.8	0	44.64	-	-	74	-29.36	268	172	H
* 1.375	33	MAV1	29.3	-23.8	.4	38.9	54	-15.1	-	-	268	172	H
* 11.507	31.66	PK2	38.1	-19.2	0	50.56	-	-	74	-23.44	246	174	H
* 11.507	21.83	MAV1	38.1	-19.2	.4	41.13	54	-12.87	-	-	246	174	H
* 4.872	45.36	PK2	34	-27.8	0	51.56	-	-	74	-22.44	273	183	V
* 4.872	34.45	MAV1	34	-27.8	.4	41.05	54	-12.95	-	-	273	183	V
* 7.308	49.01	PK2	35.5	-25	0	59.51	-	-	74	-14.49	321	103	V
* 7.308	35.3	MAV1	35.5	-25	.4	46.2	54	-7.8	-	-	321	103	V
6.441	35.56	PK2	35.5	-25.4	0	45.66	-	-	-	-	180	242	H
6.441	25.24	MAV1	35.5	-25.4	.4	35.74	-	-	-	-	180	242	H

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 11)



Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Ftr/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
* 1.376	36.43	PK2	29.3	-23.8	0	41.93	-	-	74	-32.07	70	273	H
* 1.375	24.47	MAV1	29.3	-23.8	.4	30.37	54	-23.63	-	-	70	273	H
* 4.922	44.97	PK2	34.1	-27.7	0	51.37	-	-	74	-22.63	269	196	V
* 4.923	33.28	MAV1	34.1	-27.7	.4	40.08	54	-13.92	-	-	269	196	V
* 7.383	45.15	PK2	35.5	-23.9	0	56.75	-	-	74	-17.25	252	297	V
* 7.383	30.21	MAV1	35.5	-23.9	.4	42.21	54	-11.79	-	-	252	297	V
1.641	39.34	PK2	28.6	-23.7	0	44.24	-	-	-	-	355	198	V
1.641	32.19	MAV1	28.6	-23.7	.4	37.49	-	-	-	-	355	198	V
1.752	24.74	MAV1	29.8	-23.7	.4	31.24	-	-	-	-	146	179	H
1.754	36.34	PK2	29.8	-23.7	0	42.44	-	-	-	-	146	179	H
13.565	32.3	PK2	38.9	-19.9	0	51.3	-	-	-	-	202	243	H
13.567	21.88	MAV1	38.9	-19.9	.4	41.28	-	-	-	-	202	243	H

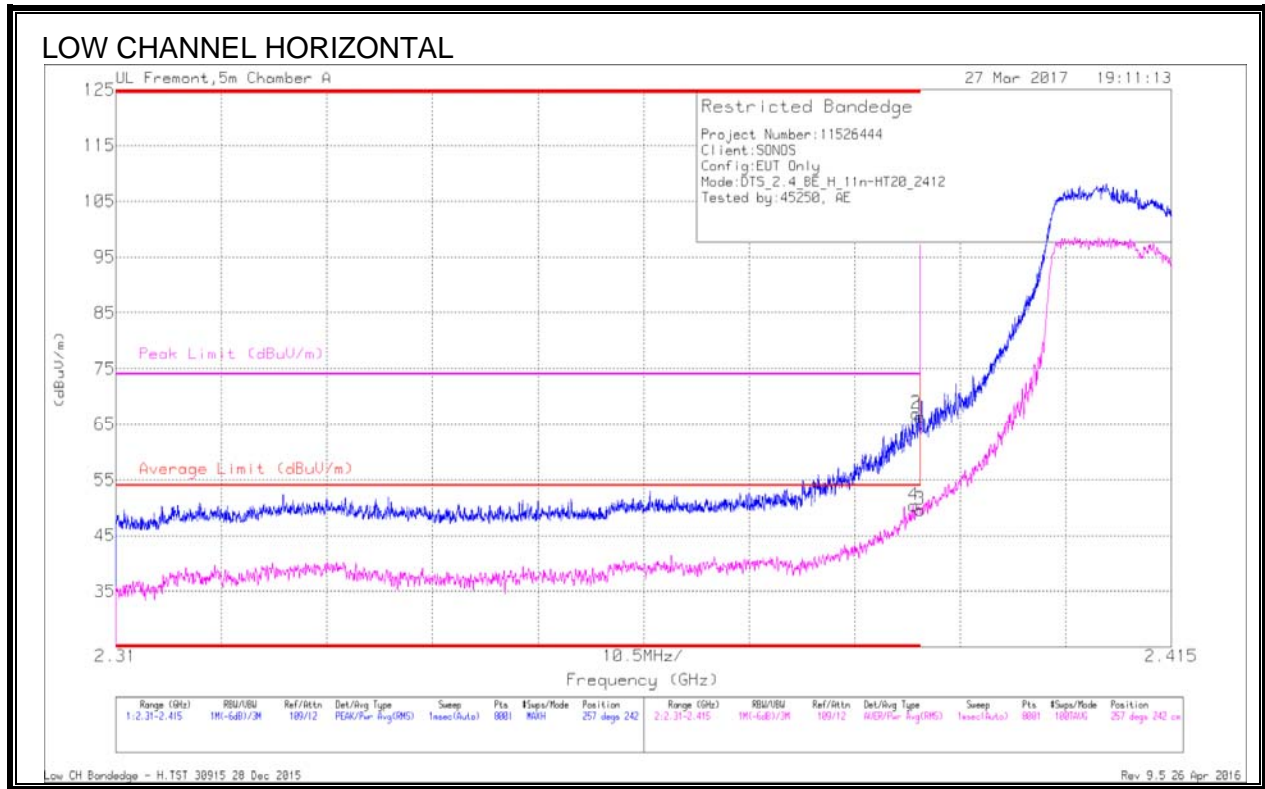
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. 11n HT20 3TX CDD MIMO MODE IN THE 2.4GHz BAND

AUTHORIZED BANDEGE (LOW CHANNEL, CH 1)



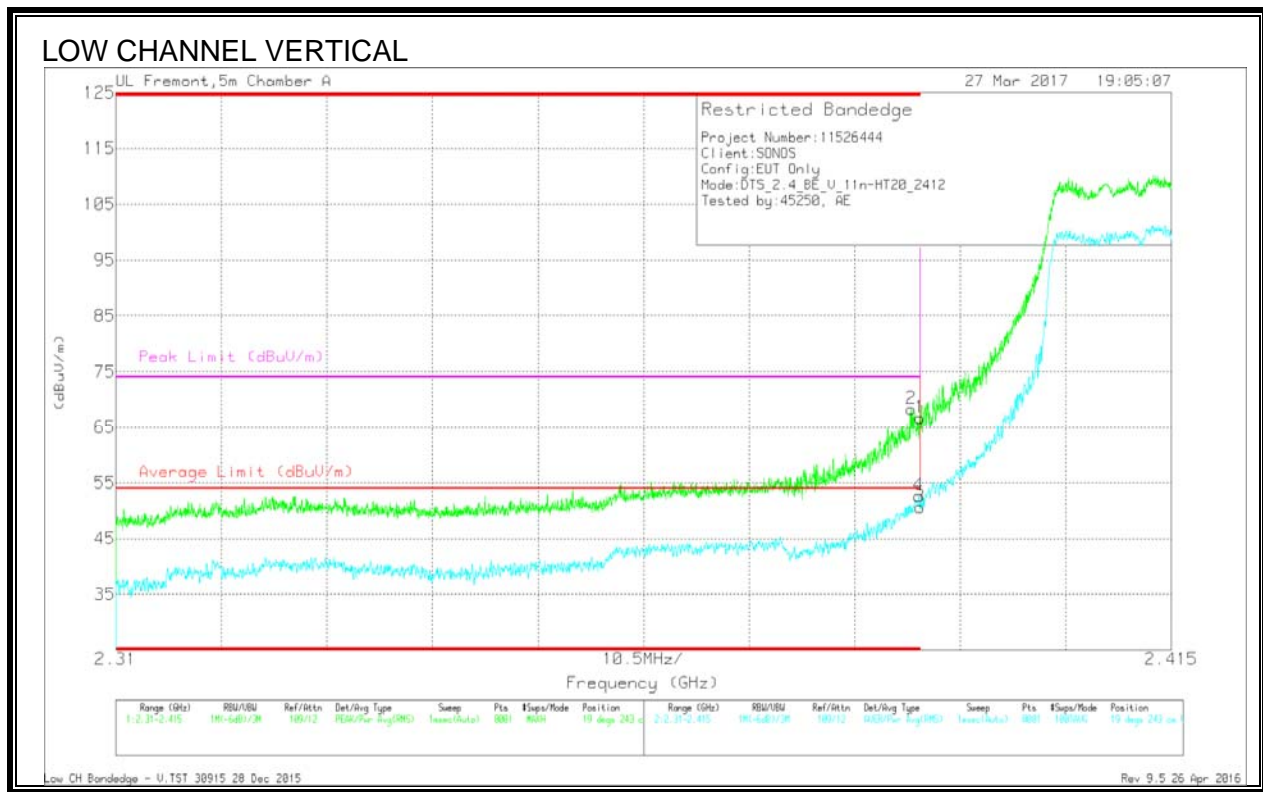
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Admuth (Degs)	Height (cm)	Polarity
4	* 2.389	41.82	RMS	32.1	-23.7	.22	50.44	54	-3.56	-	-	257	242	H
1	* 2.39	57.87	Pk	32.1	-23.7	0	66.27	-	-	74	-7.73	257	242	H
2	* 2.39	58.52	Pk	32.1	-23.7	0	66.92	-	-	74	-7.08	257	242	H
3	* 2.39	40.99	RMS	32.1	-23.7	.22	49.61	54	-4.39	-	-	257	242	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

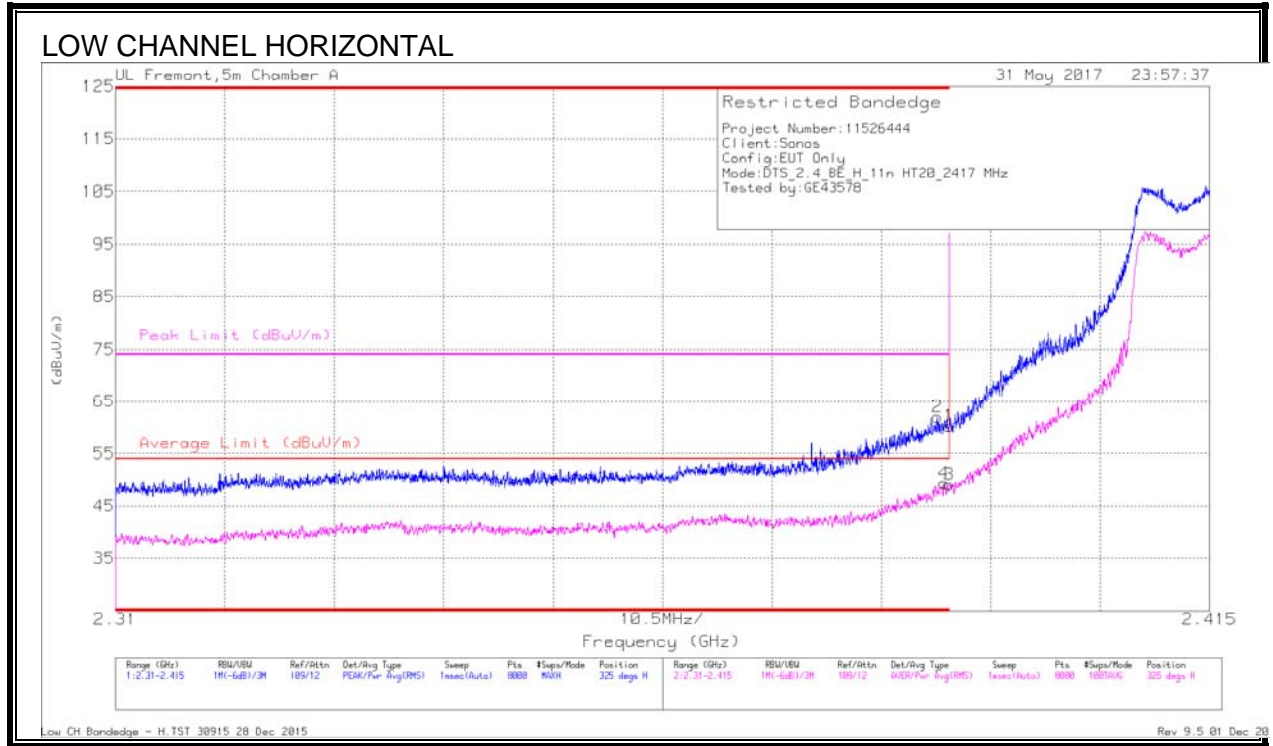
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1711 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
2	* 2.389	59.88	Pk	32.1	-23.7	0	68.28	-	-	74	-5.72	19	243	V
1	* 2.39	58.24	Pk	32.1	-23.7	0	66.64	-	-	74	-7.36	19	243	V
3	* 2.39	42.04	RMS	32.1	-23.7	.22	50.66	54	-3.34	-	-	19	243	V
4	* 2.39	43.99	RMS	32.1	-23.7	.22	52.61	54	-1.39	-	-	19	243	V

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

Pk - Peak detector

RMS - RMS detection

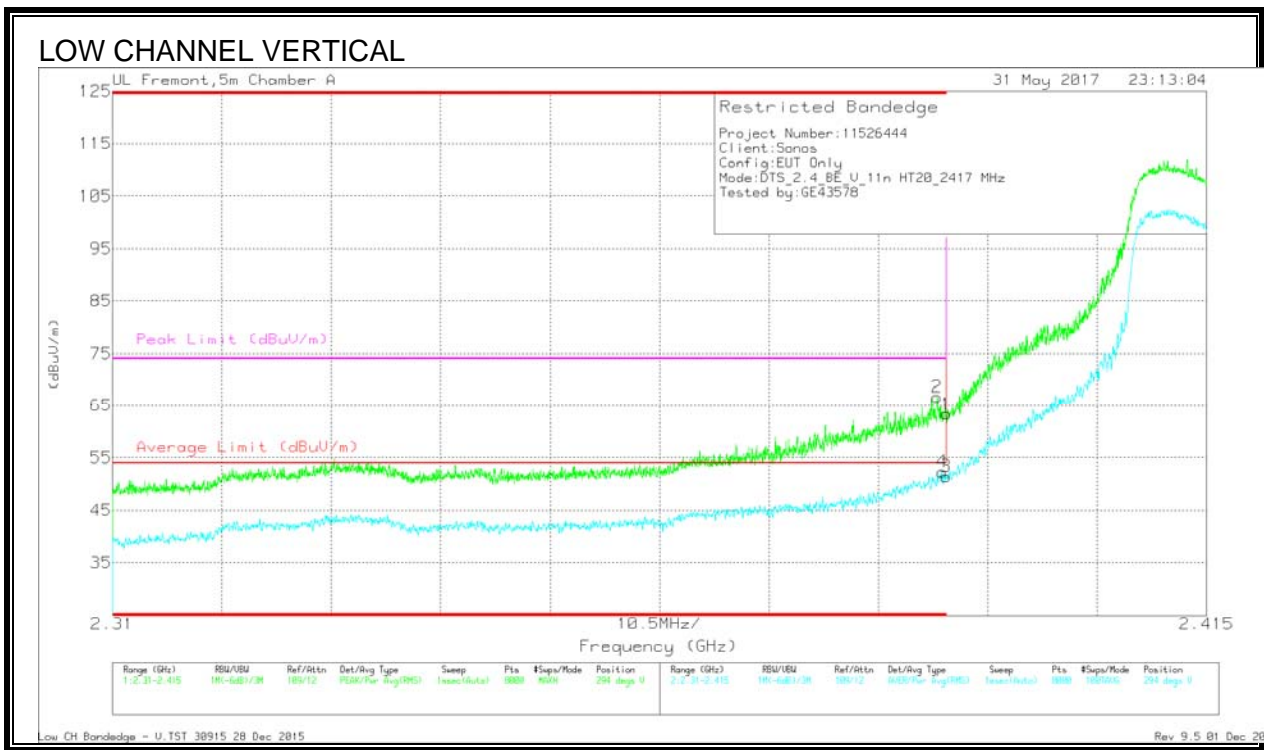
AUTHORIZED BANDEDGE (LOW CHANNEL, CH 2)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T711 (dB/m)	Amp/Ch/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Admth (Degs)	Height (cm)	Polarity
2	* 2.389	53.51	Pk	32.1	-23.7	0	61.91	-	-	74	-12.09	325	143	H
1	* 2.39	51.79	Pk	32.1	-23.7	0	60.19	-	-	74	-13.81	325	143	H
3	* 2.39	40.39	RMS	32.1	-23.7	.22	49.01	54	-4.99	-	-	325	143	H
4	* 2.39	40.69	RMS	32.1	-23.7	.22	49.31	54	-4.69	-	-	325	143	H

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



Trace Markers

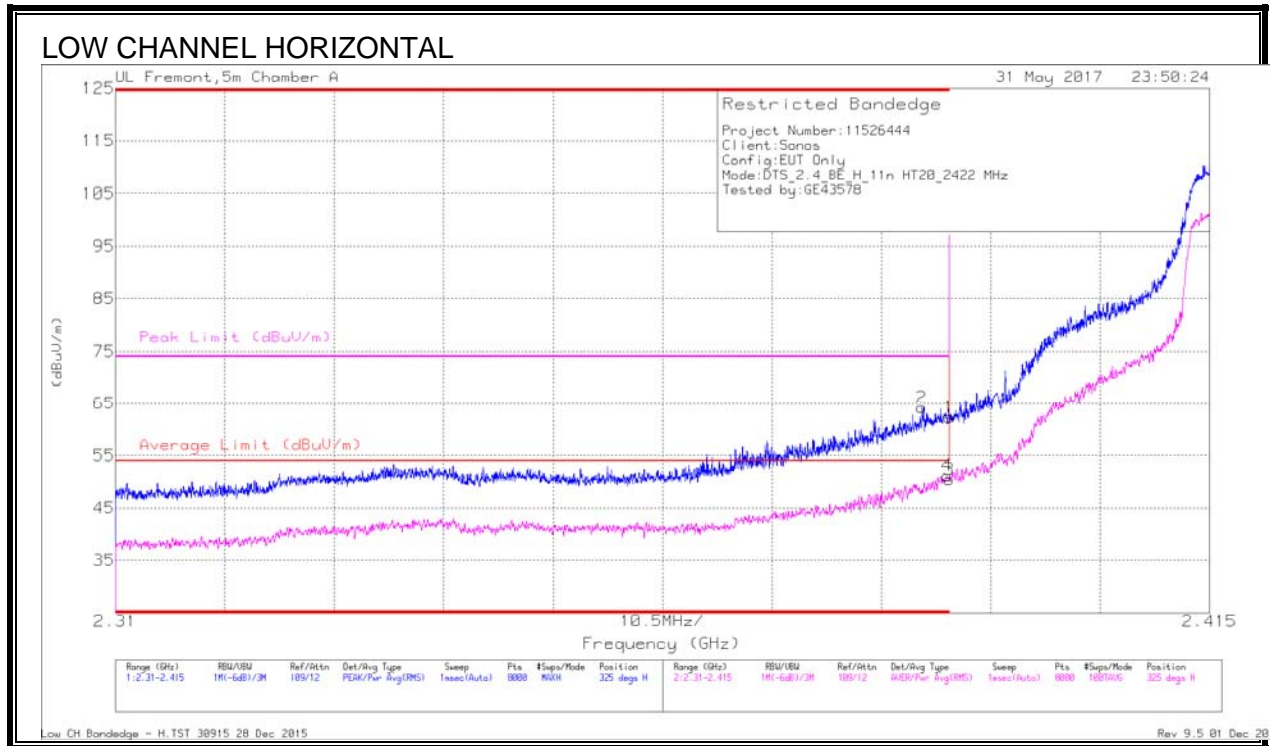
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	58.24	Pk	32.1	-23.7	0	66.64	-	-	74	-7.36	294	154	V
1	* 2.39	54.94	Pk	32.1	-23.7	0	63.34	-	-	74	-10.66	294	154	V
3	* 2.39	42.79	RMS	32.1	-23.7	.22	51.41	54	-2.59	-	-	294	154	V
4	* 2.39	43.67	RMS	32.1	-23.7	.22	52.29	54	-1.71	-	-	294	154	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 3)



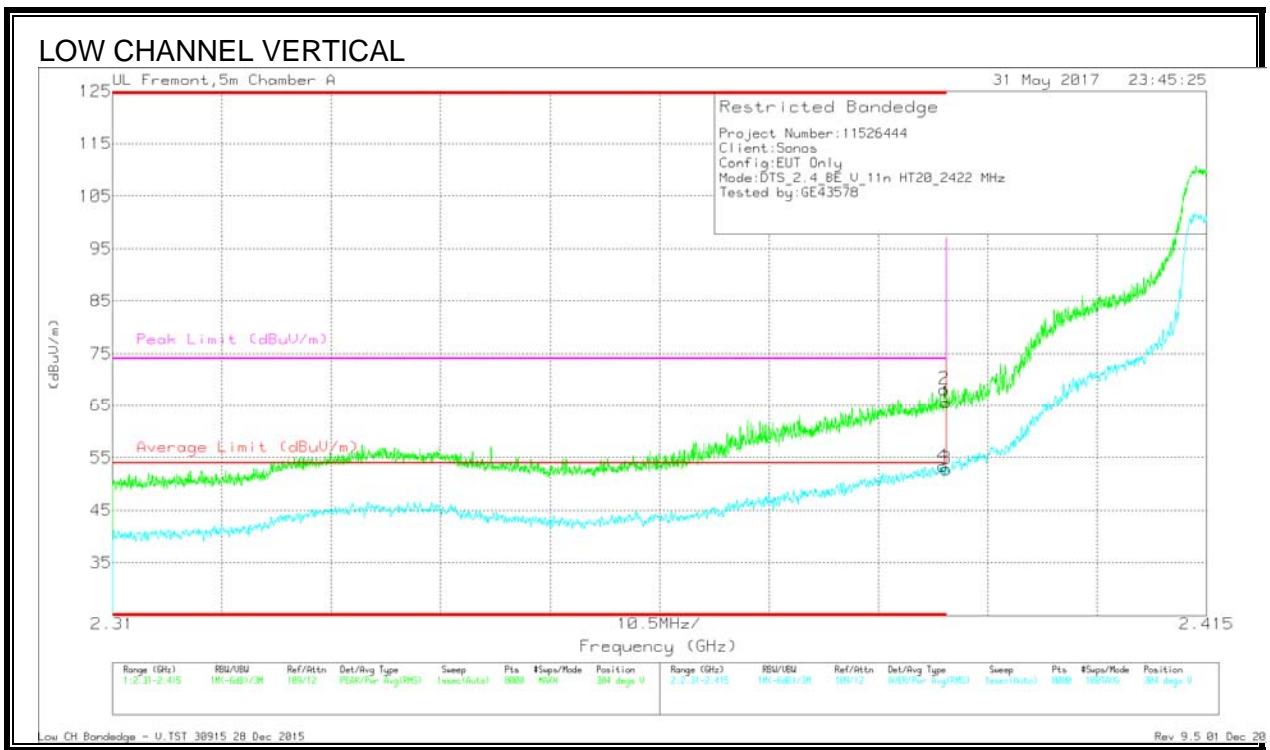
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T711 (dB/m)	Amp/Ch/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Admth (Degs)	Height (cm)	Polarity
2	* 2.387	55.81	Pk	32.1	-23.7	0	64.21	-	-	74	-9.79	325	199	H
1	* 2.39	53.95	Pk	32.1	-23.7	0	62.35	-	-	74	-11.65	325	199	H
3	* 2.39	41.83	RMS	32.1	-23.7	.22	50.45	54	-3.55	-	-	325	199	H
4	* 2.39	42.55	RMS	32.1	-23.7	.22	51.17	54	-2.83	-	-	325	199	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

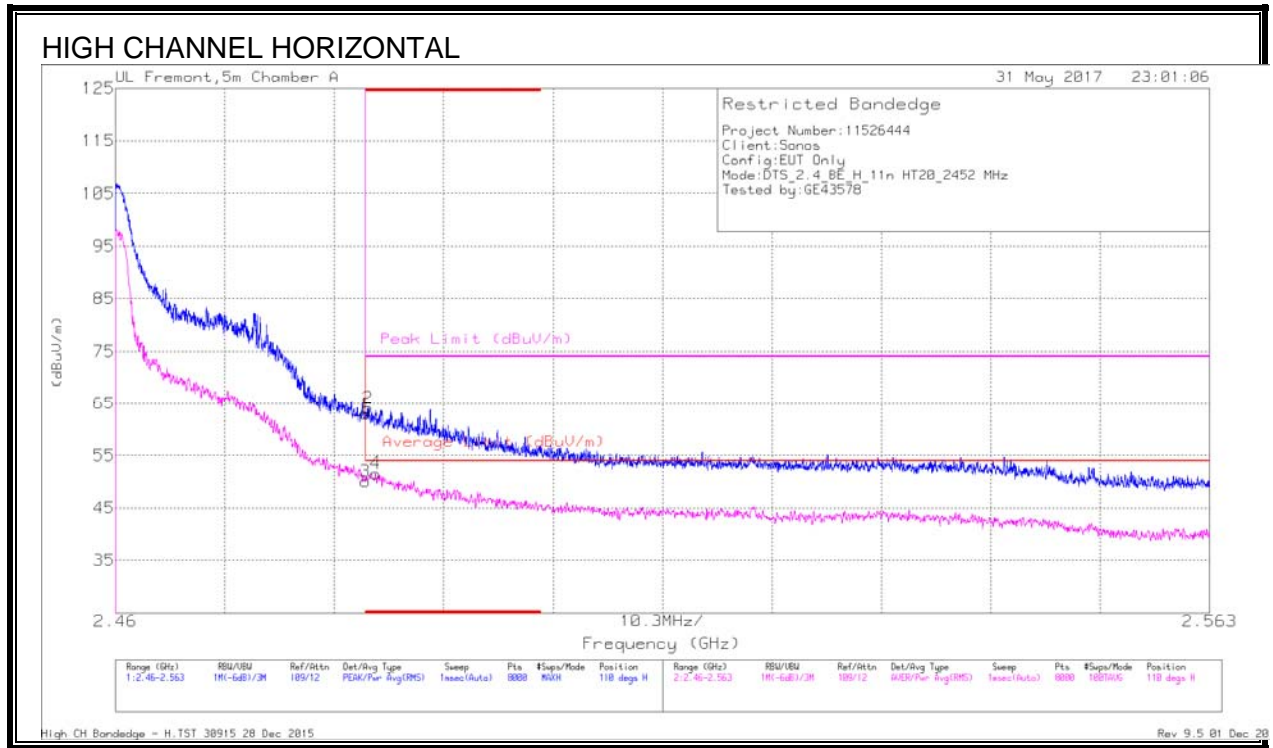
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	57.12	Pk	32.1	-23.7	0	65.52	-	-	74	-8.48	304	208	V
2	* 2.39	59.83	Pk	32.1	-23.7	0	68.23	-	-	74	-5.77	304	208	V
3	* 2.39	44.22	RMS	32.1	-23.7	.22	52.84	54	-1.16	-	-	304	208	V
4	* 2.39	44.73	RMS	32.1	-23.7	.22	53.35	54	-65	-	-	304	208	V

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

Pk - Peak detector

RMS - RMS detection

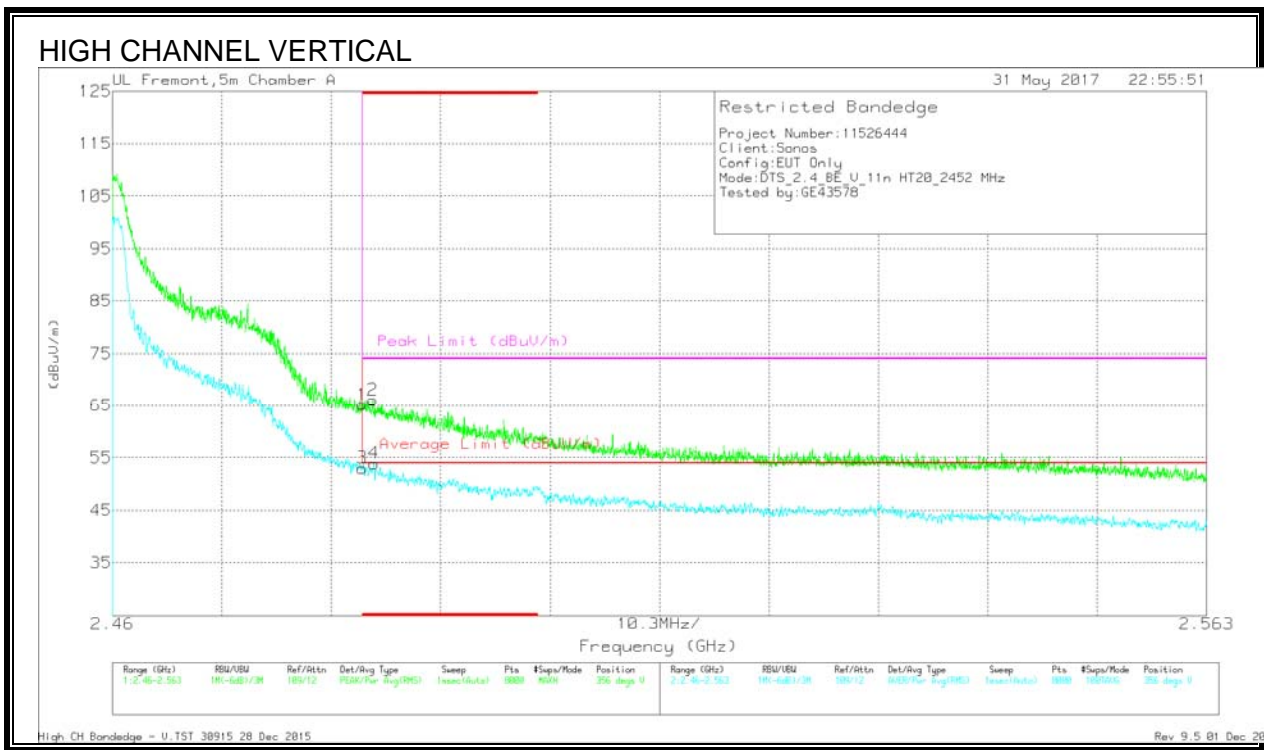
AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 9)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T711 (dB/m)	Amp/Ch/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Admth (Degs)	Height (cm)	Polarity
1	* 2.484	54.03	Pk	32.5	-23.6	0	62.93	-	-	74	-11.07	110	329	H
2	* 2.484	55.23	Pk	32.5	-23.6	0	64.13	-	-	74	-9.87	110	329	H
3	* 2.484	40.92	RMS	32.5	-23.6	.22	50.04	54	-3.96	-	-	110	329	H
4	* 2.484	42.37	RMS	32.6	-23.6	.22	51.59	54	-2.41	-	-	110	329	H

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



Trace Markers

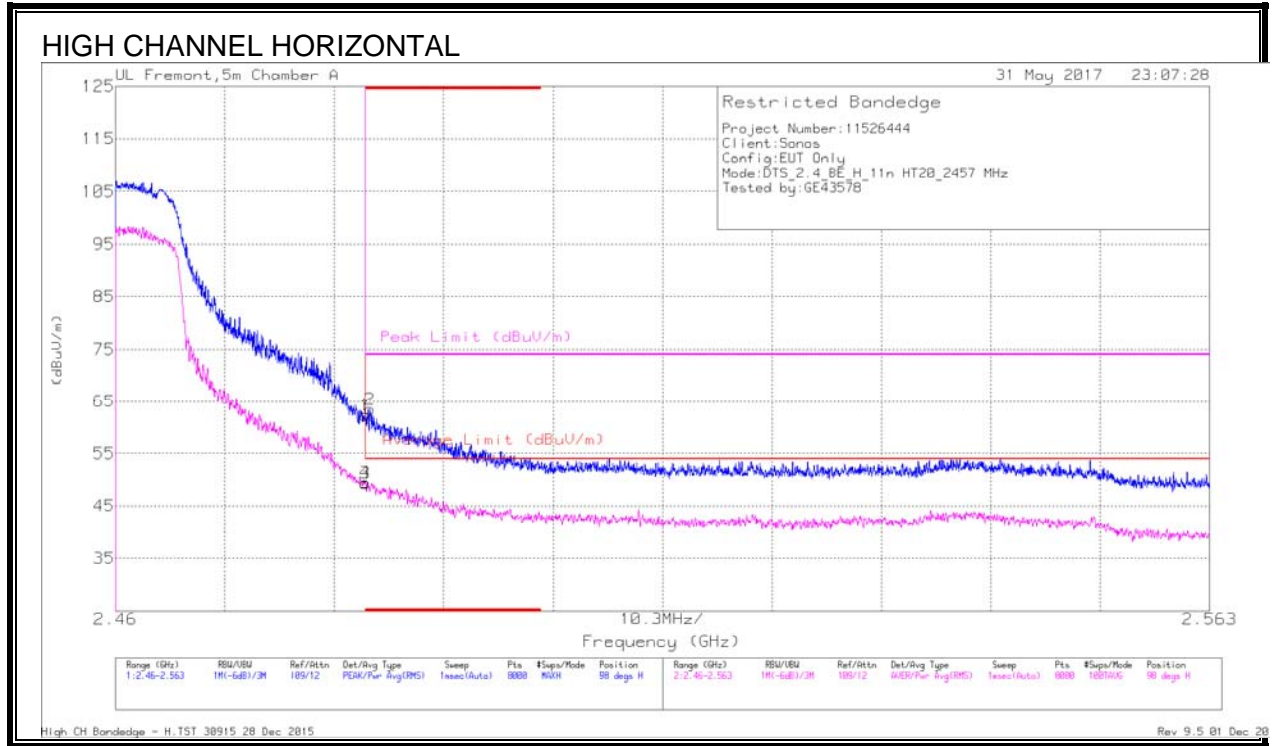
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	56.24	Pk	32.5	-23.6	0	65.14	-	-	74	-8.86	356	235	V
3	* 2.484	43.91	RMS	32.5	-23.6	.22	53.03	54	-.97	-	-	356	235	V
2	* 2.485	57.2	Pk	32.6	-23.7	0	66.1	-	-	74	-7.9	356	235	V
4	* 2.485	44.76	RMS	32.6	-23.7	.22	53.88	54	-12	-	-	356	235	V

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

Pk - Peak detector

RMS - RMS detection

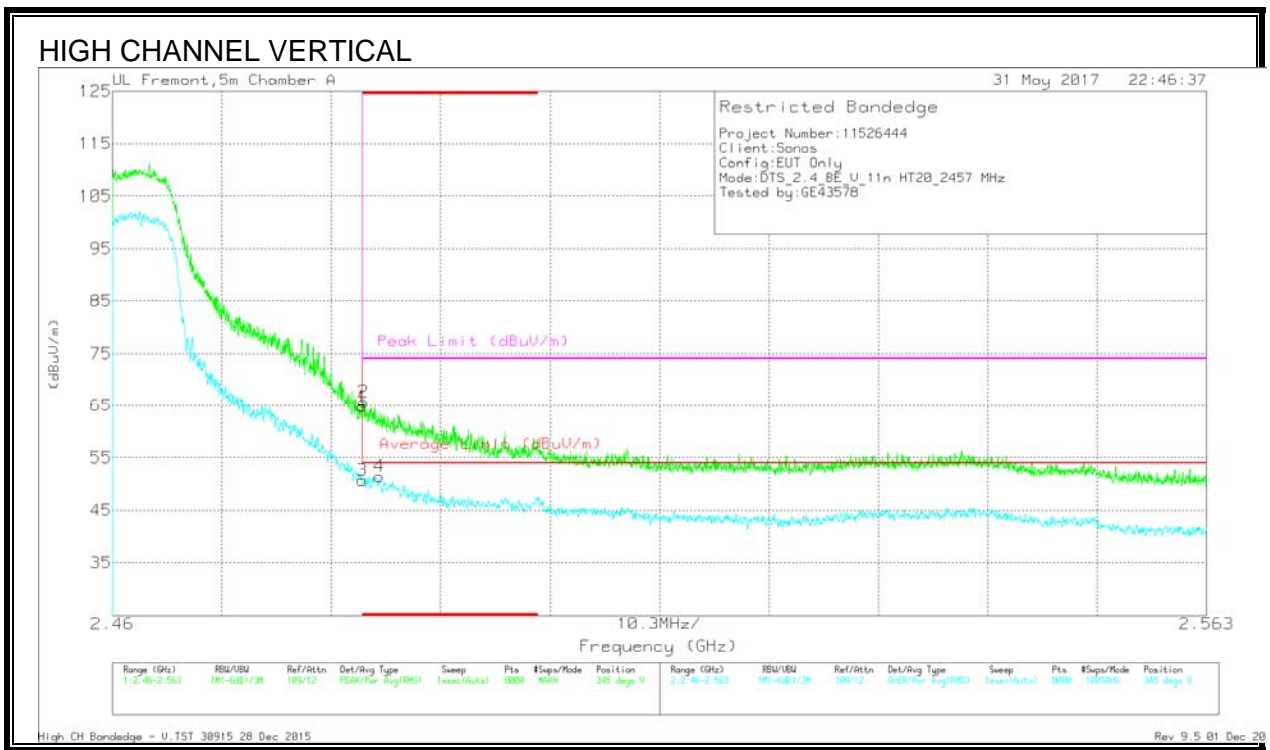
AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 10)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T711 (dB/m)	Amp/Ch/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Admth (Degs)	Height (cm)	Polarity
1	* 2.484	53.41	Pk	32.5	-23.6	0	62.31	-	-	74	-11.69	98	331	H
2	* 2.484	54.52	Pk	32.5	-23.6	0	63.42	-	-	74	-10.58	98	331	H
3	* 2.484	40.2	RMS	32.5	-23.6	.22	49.32	54	-4.68	-	-	98	331	H
4	* 2.484	40.33	RMS	32.5	-23.6	.22	49.45	54	-4.55	-	-	98	331	H

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



Trace Markers

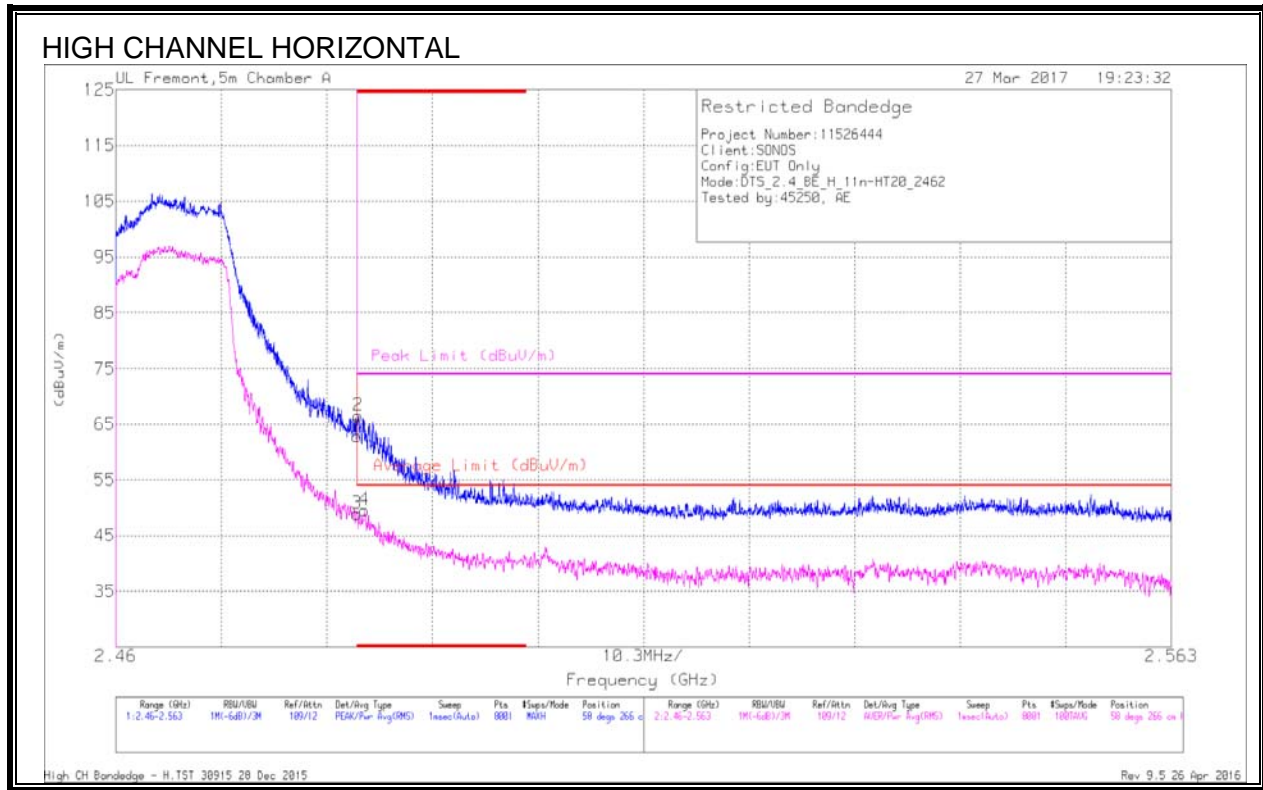
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T711 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.91	Pk	32.5	-23.6	0	64.81	-	-	74	-9.19	345	209	V
2	* 2.484	56.77	Pk	32.5	-23.6	0	65.67	-	-	74	-8.33	345	209	V
3	* 2.484	41.52	RMS	32.5	-23.6	.22	50.64	54	-3.36	-	-	345	209	V
4	* 2.485	42.32	RMS	32.6	-23.7	.22	51.44	54	-2.56	-	-	345	209	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)



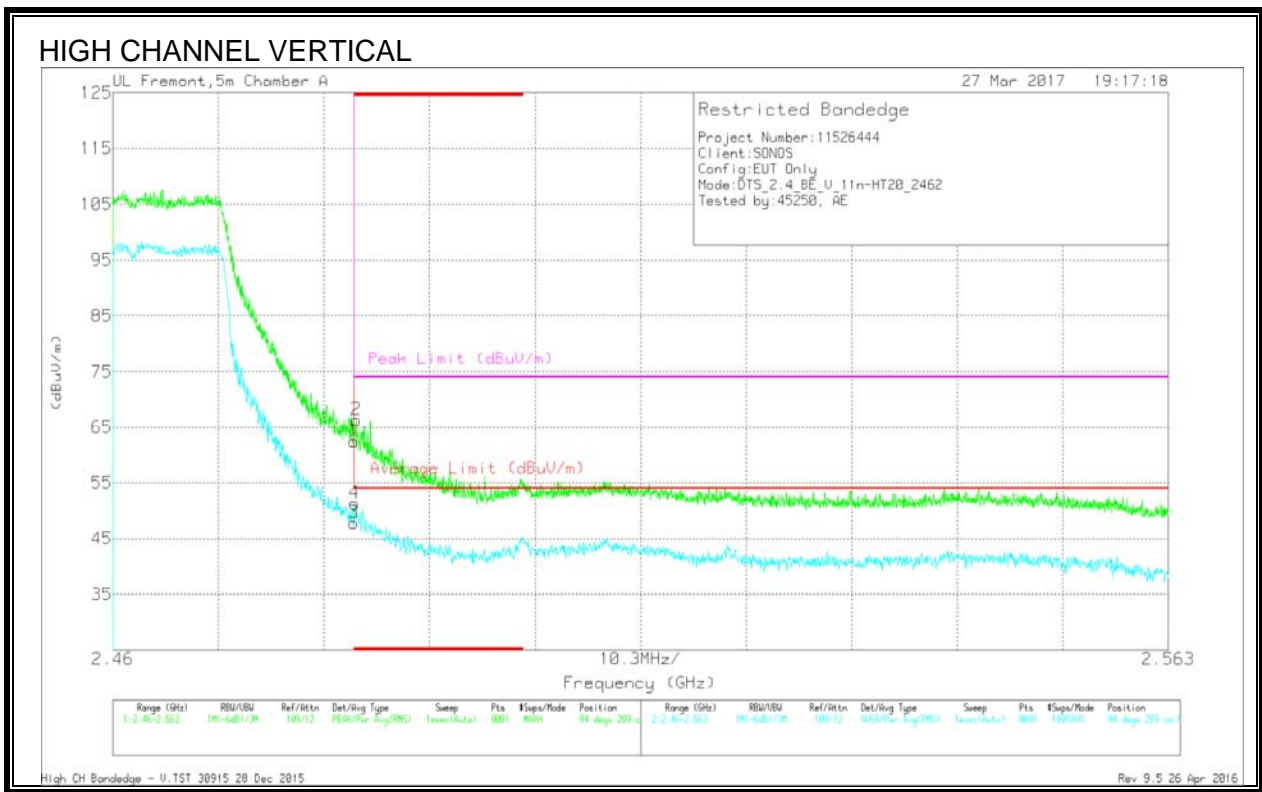
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T711 (dB/m)	Amp/Ch/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Admth (Degs)	Height (cm)	Polarity
1	* 2.484	53.93	Pk	32.5	-23.6	0	62.83	-	-	74	-11.17	58	266	H
2	* 2.484	57.61	Pk	32.5	-23.6	0	66.51	-	-	74	-7.49	58	266	H
3	* 2.484	39.77	RMS	32.5	-23.6	.22	48.89	54	-5.11	-	-	58	266	H
4	* 2.484	40.38	RMS	32.6	-23.6	.22	49.6	54	-4.4	-	-	58	266	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

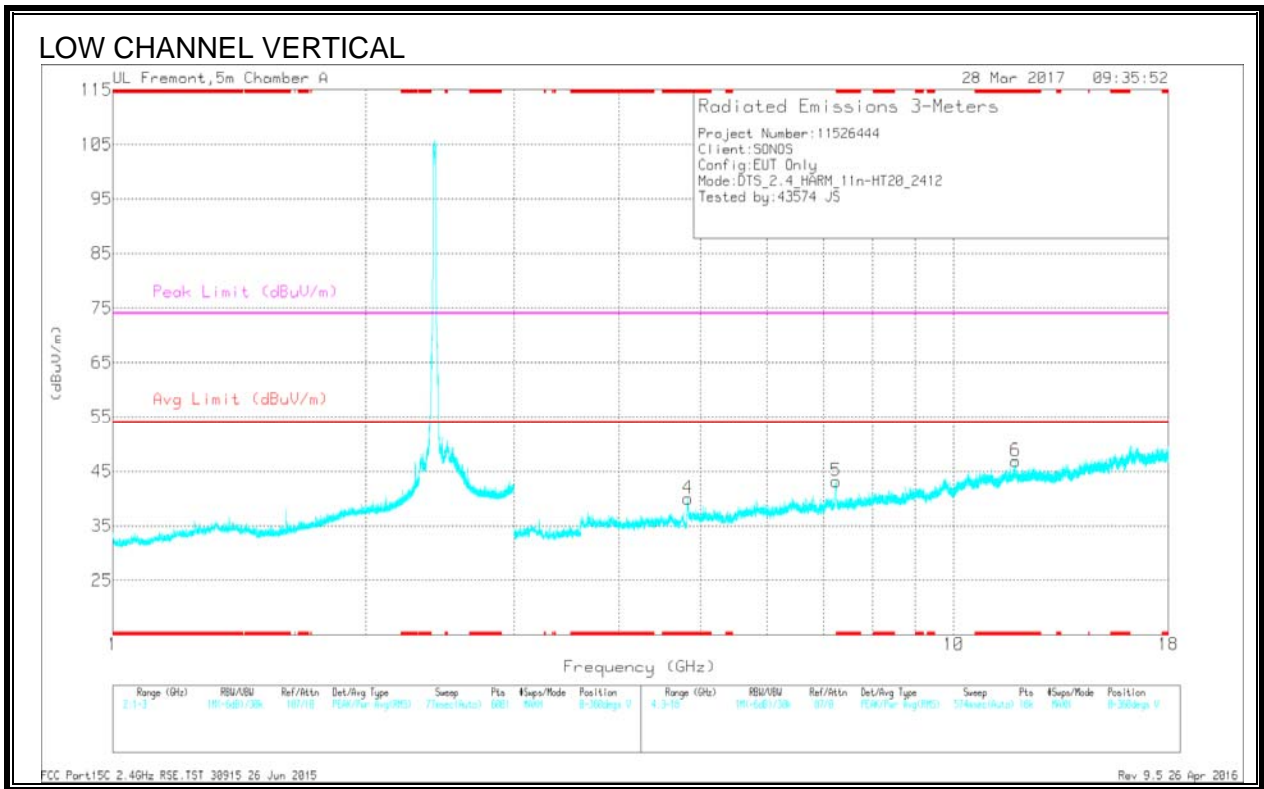
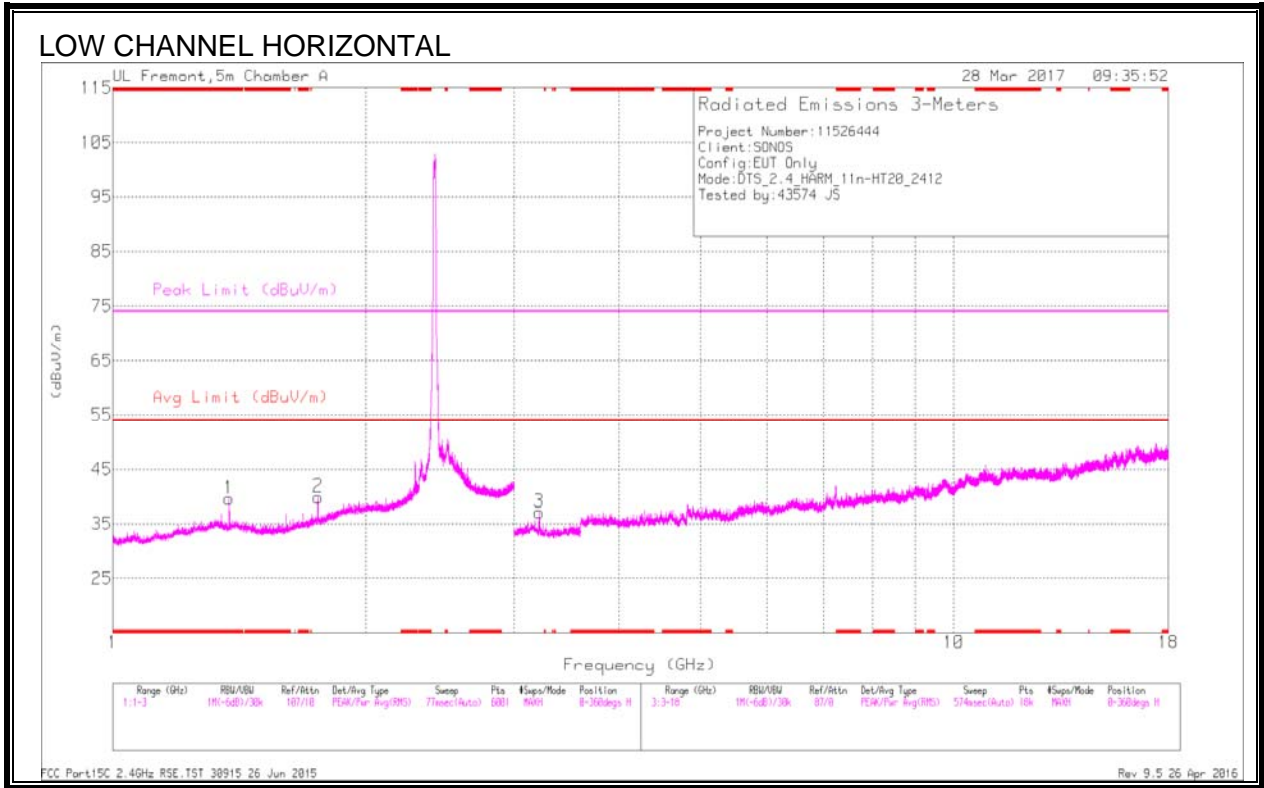
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1711 (dB/m)	Amp/Cb/Fltr/Psd (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	53.51	Pk	32.5	-23.6	0	62.41	-	-	74	-11.59	94	289	V
2	* 2.484	57.39	Pk	32.5	-23.6	0	66.29	-	-	74	-7.71	94	289	V
3	* 2.484	38.67	RMS	32.5	-23.6	.22	47.79	54	-6.21	-	-	94	289	V
4	* 2.484	42.15	RMS	32.5	-23.6	.22	51.27	54	-2.73	-	-	94	289	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)



Radiated Emissions

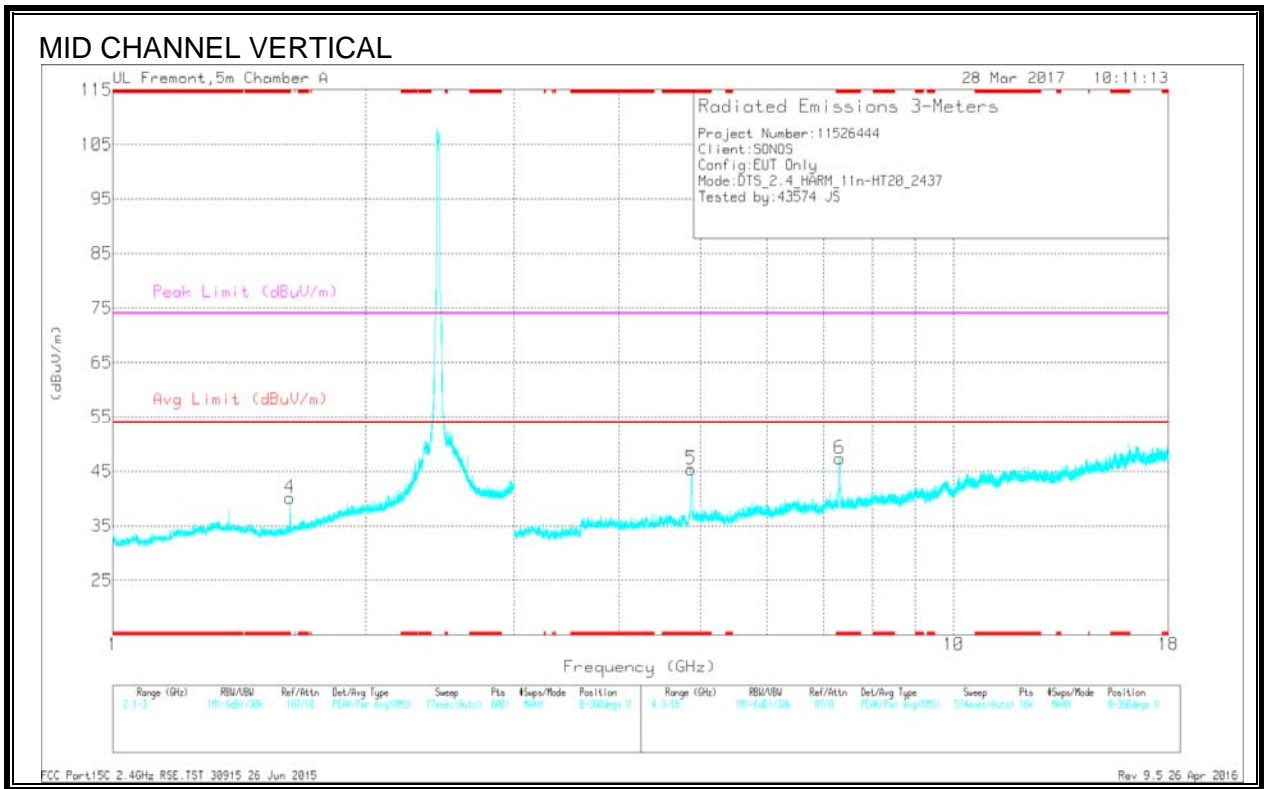
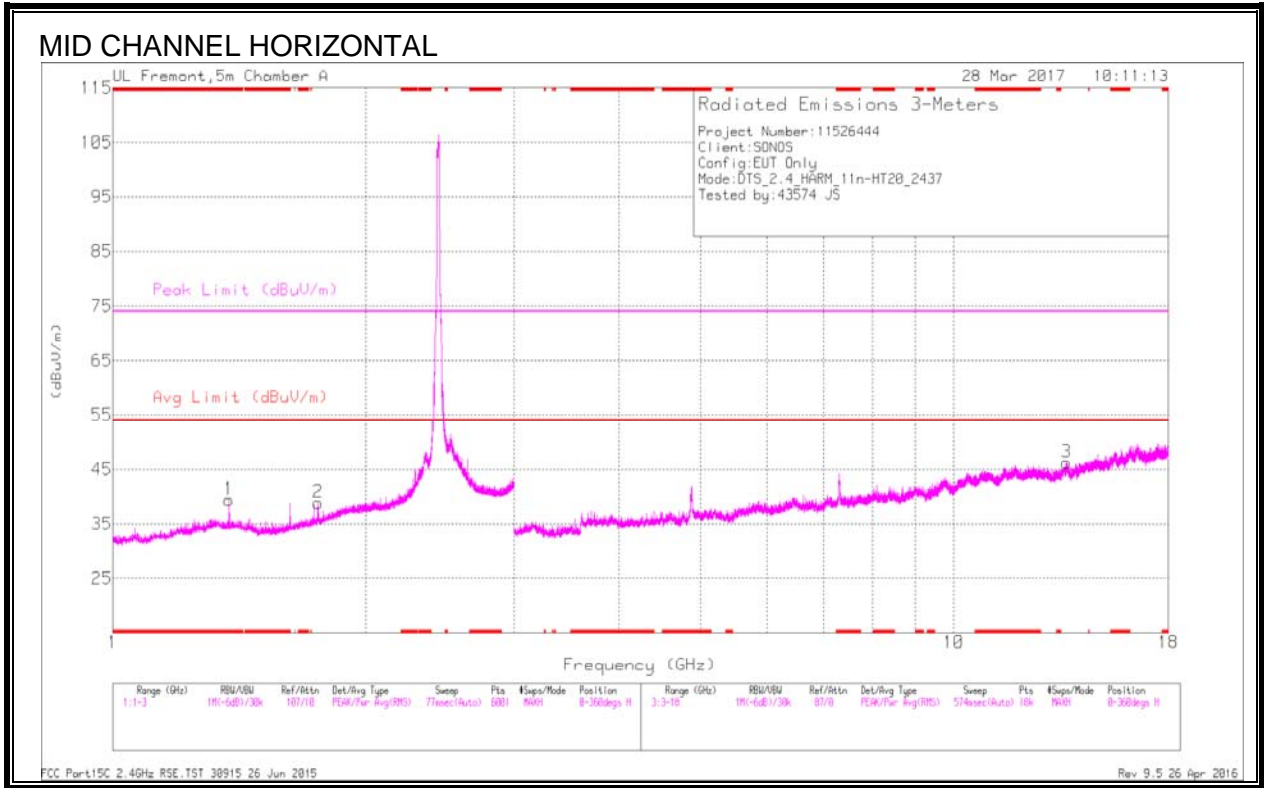
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.375	39.37	PK2	29.3	-23.8	0	44.87	-	-	74	-29.13	273	128	H
* 1.375	32.79	MAv1	29.3	-23.8	.22	38.51	54	-15.49	-	-	273	128	H
* 4.827	43.8	PK2	34	-28.1	0	49.7	-	-	74	-24.3	277	179	V
* 4.827	31.39	MAv1	34	-28.1	.22	37.51	54	-16.49	-	-	277	179	V
* 11.846	31.81	PK2	38.5	-19.3	0	51.01	-	-	74	-22.99	128	244	V
* 11.847	21.43	MAv1	38.5	-19.3	.22	40.85	54	-13.15	-	-	128	244	V
1.752	25.29	MAv1	29.8	-23.7	.22	31.61	-	-	-	-	213	237	H
1.755	35.91	PK2	29.8	-23.8	0	41.91	-	-	-	-	213	237	H
3.216	28.23	MAv1	33	-30.3	.22	31.15	-	-	-	-	178	155	H
3.217	38.47	PK2	33	-30.3	0	41.17	-	-	-	-	178	155	H
7.242	25.41	MAv1	35.5	-24.9	.22	36.23	-	-	-	-	139	239	V
7.245	35.71	PK2	35.5	-24.9	0	46.31	-	-	-	-	139	239	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL, CH 6)



Radiated Emissions

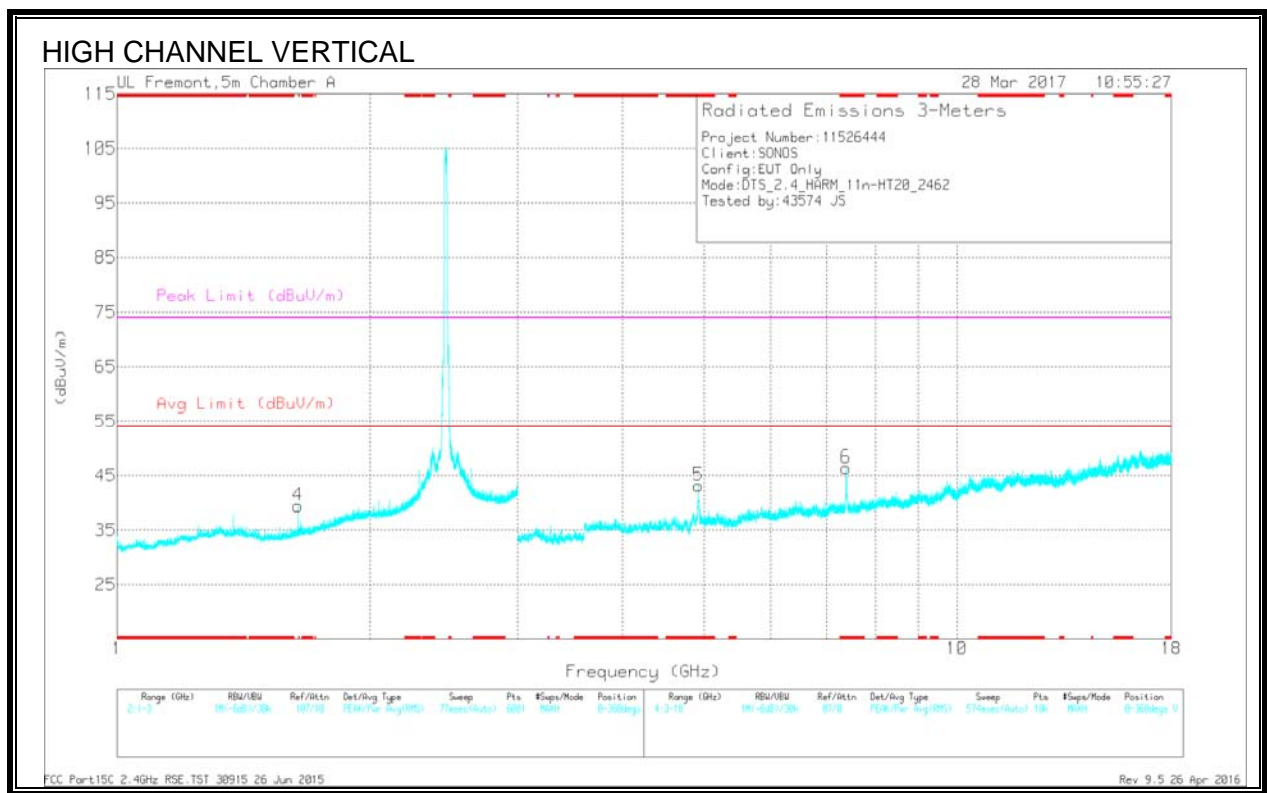
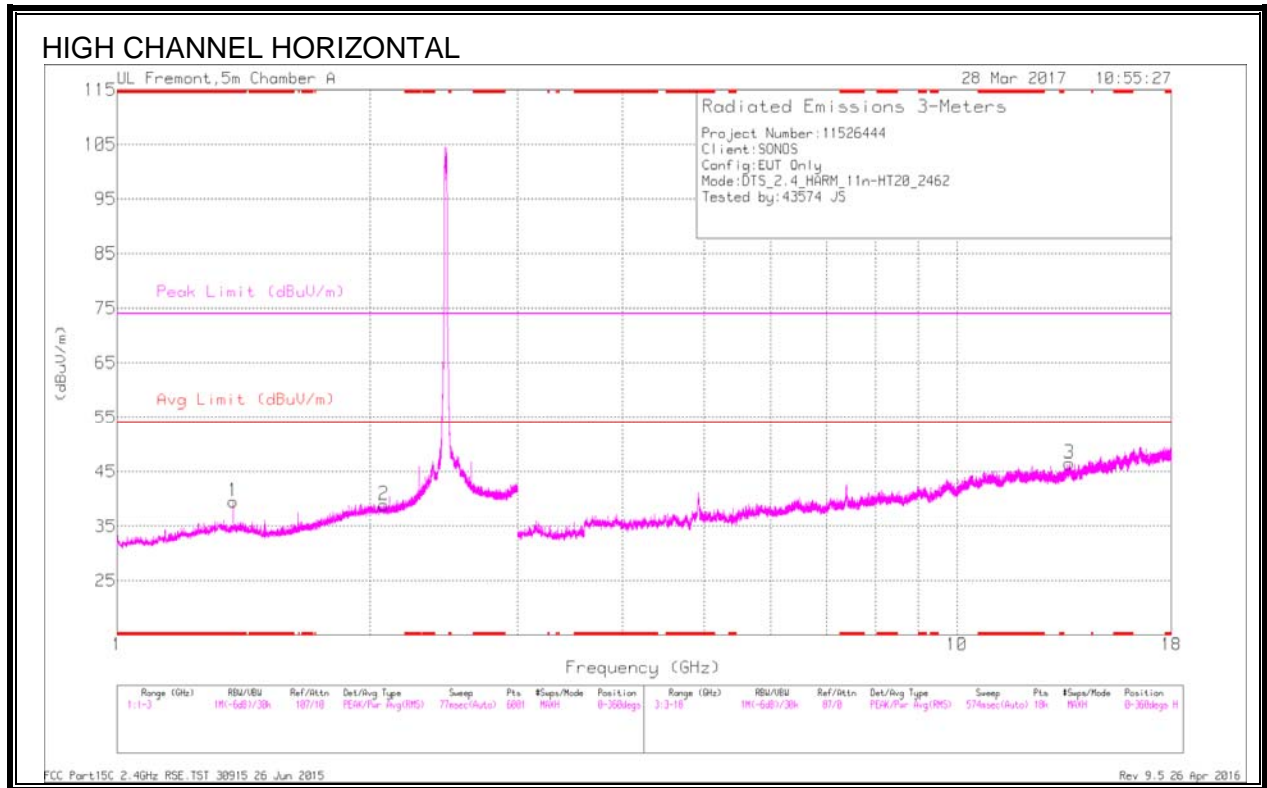
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.375	35.55	PK2	29.3	-23.8	0	41.05	-	-	74	-32.95	267	232	H
* 1.375	24.88	MAV1	29.3	-23.8	.22	30.6	54	-23.4	-	-	267	232	H
* 1.625	38.69	PK2	28.5	-23.6	0	43.59	-	-	74	-30.41	356	210	V
* 1.625	32.46	MAV1	28.5	-23.6	.22	37.58	54	-16.42	-	-	356	210	V
* 4.873	45.56	PK2	34	-27.8	0	51.76	-	-	74	-22.24	282	186	V
* 4.874	34.26	MAV1	34	-27.8	.22	40.68	54	-13.32	-	-	282	186	V
* 7.316	45.59	PK2	35.5	-25	0	56.09	-	-	74	-17.91	326	279	V
* 7.314	32.07	MAV1	35.5	-25	.22	42.79	54	-11.21	-	-	326	279	V
1.753	35.46	PK2	29.8	-23.7	0	41.56	-	-	-	-	169	264	H
1.754	25.4	MAV1	29.8	-23.7	.22	31.72	-	-	-	-	169	264	H
13.613	33.17	PK2	38.8	-20.1	0	51.87	-	-	-	-	101	140	H
13.613	22.67	MAV1	38.8	-20.1	.22	41.59	-	-	-	-	101	140	H

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 11)



Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AFT711 (dB/m)	Amp/Cbl/Ftr/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
* 1.374	35.62	PK2	29.3	-23.8	0	41.12	-	-	74	-32.88	282	224	H
* 1.375	24.59	MAv1	29.3	-23.8	.22	30.31	54	-23.69	-	-	282	224	H
* 4.924	42.54	PK2	34.1	-27.8	0	48.84	-	-	74	-25.16	274	223	V
* 4.923	31.27	MAv1	34.1	-27.7	.22	37.89	54	-16.11	-	-	274	223	V
* 7.382	43.32	PK2	35.5	-23.8	0	55.02	-	-	74	-18.98	199	187	V
* 7.38	28.08	MAv1	35.5	-23.8	.22	40	54	-14	-	-	199	187	V
1.641	37.9	PK2	28.6	-23.7	0	42.8	-	-	-	-	353	272	V
1.641	30.44	MAv1	28.6	-23.7	.22	35.56	-	-	-	-	353	272	V
2.08	36.7	PK2	31.2	-23.8	0	44.1	-	-	-	-	176	238	H
2.08	26.58	MAv1	31.2	-23.8	.22	34.2	-	-	-	-	176	238	H
13.606	32.91	PK2	38.8	-20	0	51.71	-	-	-	-	76	203	H
13.606	23.25	MAv1	38.8	-20	.22	42.27	-	-	-	-	76	203	H

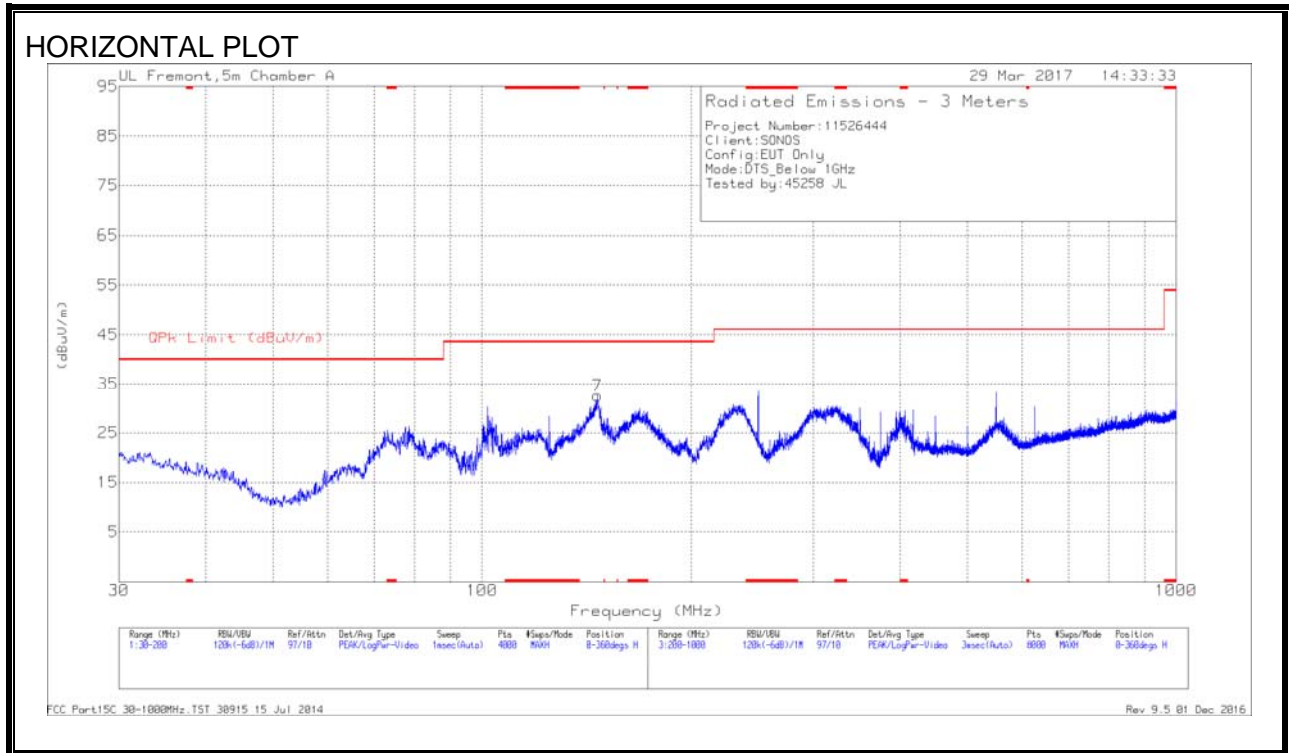
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.3. WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 73.0636	50.35	Pk	12.5	-30.8	32.05	40	-7.95	0-360	100	V
3	* 250.0065	47.13	Pk	15.5	-29.6	33.03	46.02	-12.99	0-360	200	V
1	38.9698	45.99	Pk	18.7	-31.1	33.59	40	-6.41	0-360	100	V
7	146.7352	46.08	Pk	16.7	-30.2	32.58	43.52	-10.94	0-360	200	H
4	417.7283	43.15	Pk	20.3	-29	34.45	46.02	-11.57	0-360	101	V
5	550.0455	42.54	Pk	22.3	-28.7	36.14	46.02	-9.88	0-360	101	V
6	699.865	48.41	Pk	24.2	-28.3	44.31	46.02	-1.71	0-360	101	V
	699.6375	23.63	Qp	24.2	-28.3	19.53	46.02	-26.49	141	146	V

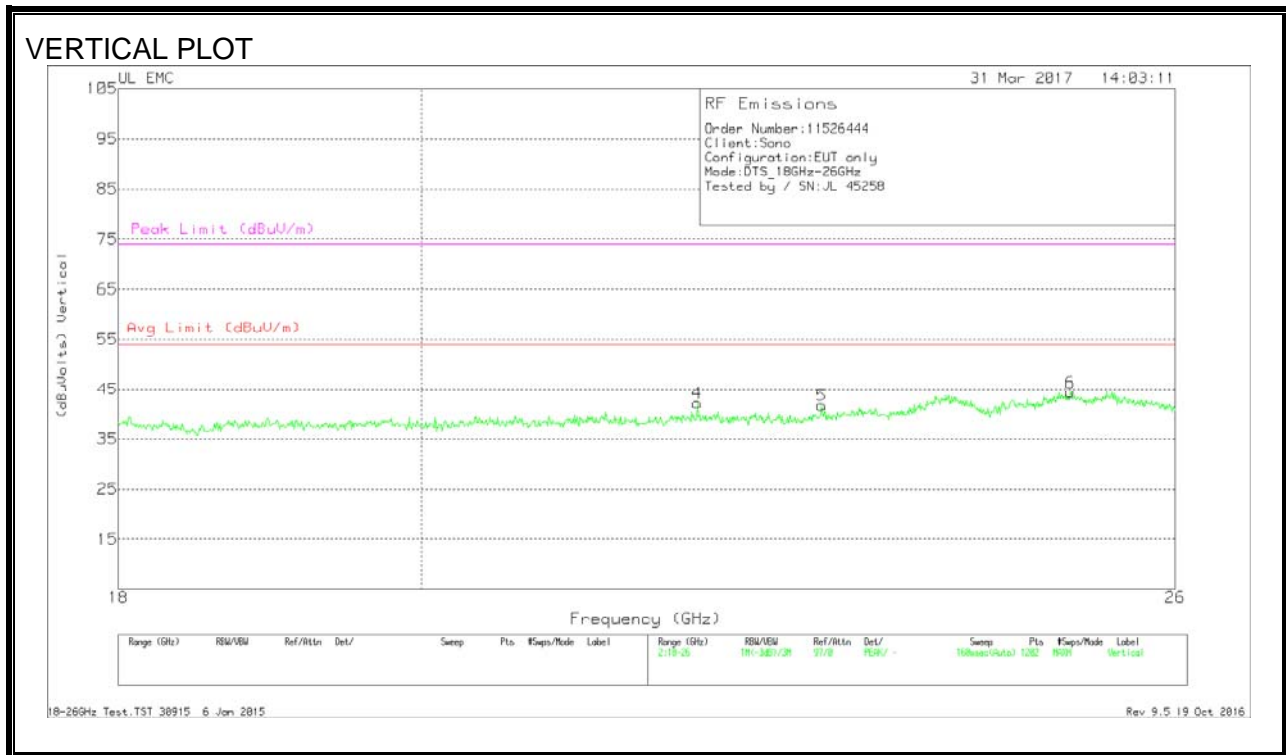
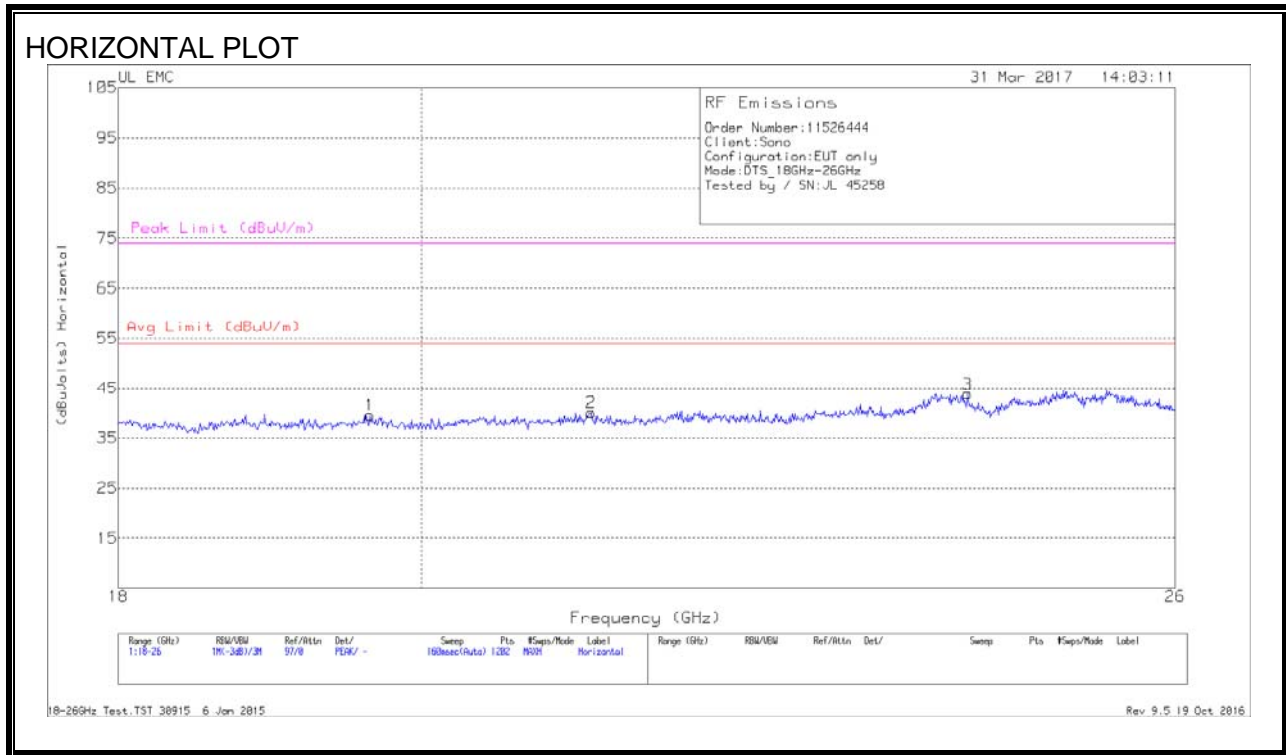
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

Qp - Quasi-Peak detector

9.4. WORST-CASE 18 to 26 GHz

SPURIOUS EMISSIONS 18 TO 26 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T449 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.645	41.3	Pk	32.7	-25	-9.5	39.5	54	-14.50	74	-34.5
2	21.217	41.2	Pk	33.1	-24.8	-9.5	40	54	-14.00	74	-34
3	24.188	43.53	Pk	33.9	-24.1	-9.5	43.83	54	-10.17	74	-30.17
4	22.017	43.37	Pk	33.5	-25.2	-9.5	42.17	54	-11.83	74	-31.83
5	22.989	42.67	Pk	33.4	-24.9	-9.5	41.67	54	-12.33	74	-32.33
6	25.067	44.33	Pk	34.3	-24.8	-9.5	44.33	54	-9.67	74	-29.67

10. CONDUCTED OUTPUT POWER Q VALUE SETTING

Q-Value Settings						
Mode	Channel	Frequency (MHz)	Power Setting	Chain 0 Output Power (dBm)	Chain 1 Output Power (dBm)	Chain 2 Output Power (dBm)
11b	1	2412	19	19.74	19.65	19.78
	6	2437	19	18.82	19.39	19.38
	11	2462	19	18.76	18.89	19.12
11g	1	2412	15	15.82	15.64	16.01
	2	2417	16	16.76	16.89	17.04
	3	2422	18	18.24	18.47	18.57
	6	2437	18	18.28	18.19	18.33
	9	2452	18	17.95	18.13	18.38
	10	2457	16	16.04	16.17	15.85
	11	2462	15	15.40	15.41	15.56
11n HT20	1	2412	15	15.78	15.36	15.62
	2	2417	16	16.81	17.15	17.31
	3	2422	18	18.45	18.68	18.75
	6	2437	18	18.12	18.26	18.50
	9	2452	18	18.14	18.02	18.45
	10	2457	16	16.57	15.86	16.36
	11	2462	15	15.34	15.50	15.52

Note: the Q-Values in the report per client requested are for future reference.

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	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

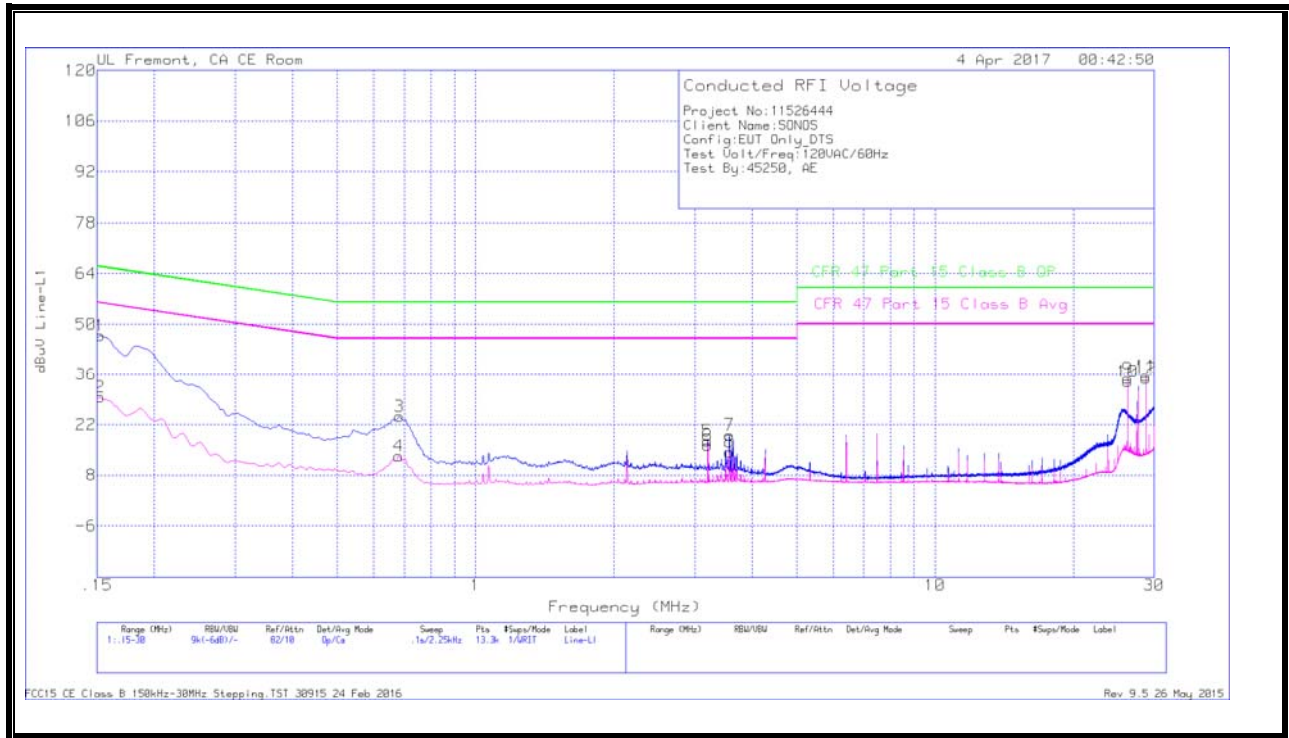
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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.

11.1. AC POWER LINE TEST RESULTS

LINE 1 RESULTS

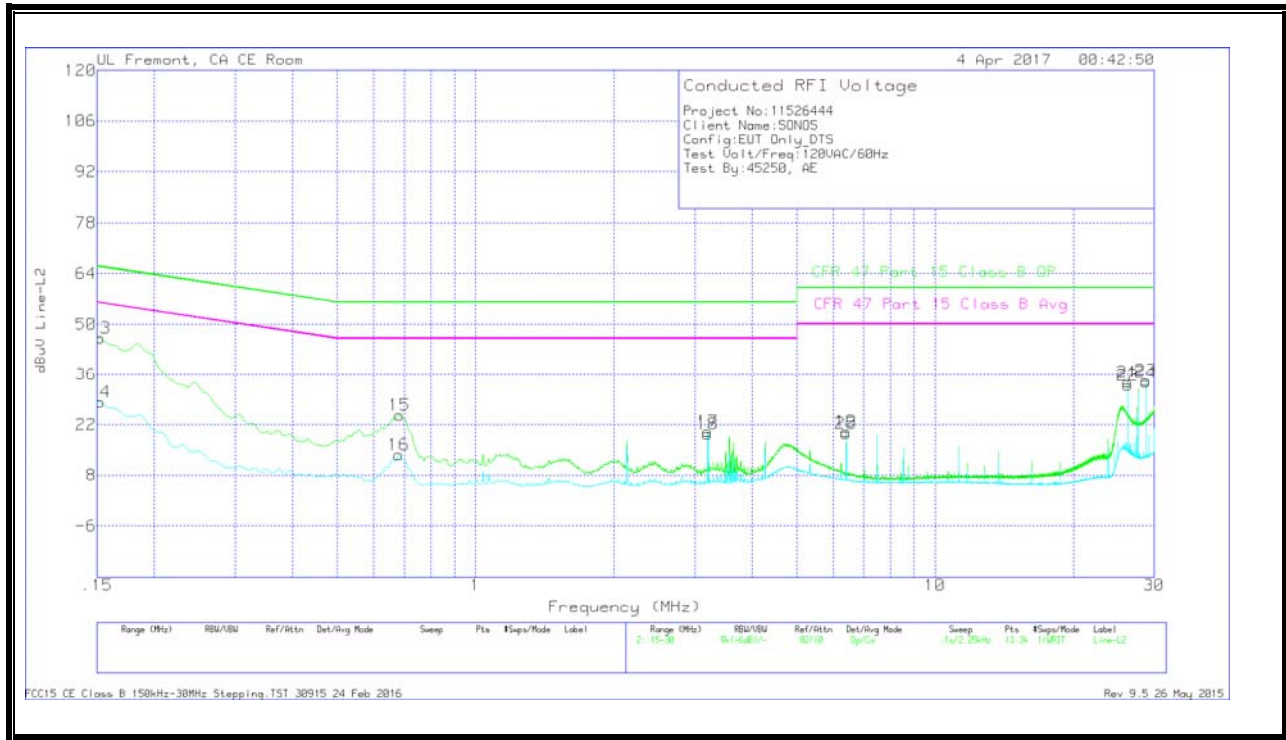


WORST EMISSIONS

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	.15225	36.63	Qp	.1	.1	10.1	46.93	65.88	-18.95	-	-
2	.15225	19.29	Ca	.1	.1	10.1	29.59	-	-	55.88	-26.29
3	.68325	14.05	Qp	0	.1	10.1	24.25	56	-31.75	-	-
4	.681	3.14	Ca	0	.1	10.1	13.34	-	-	46	-32.66
5	3.20325	7.25	Qp	0	.1	10.1	17.45	56	-38.55	-	-
6	3.20325	6.05	Ca	0	.1	10.1	16.25	-	-	46	-29.75
7	3.56775	8.94	Qp	0	.1	10.1	19.14	56	-36.86	-	-
8	3.56775	4.25	Ca	0	.1	10.1	14.45	-	-	46	-31.55
9	26.25	23.92	Qp	.1	.3	10.5	34.82	60	-25.18	-	-
10	26.25	23.06	Ca	.1	.3	10.5	33.96	-	-	50	-16.04
11	28.74975	24.61	Qp	.1	.3	10.5	35.51	60	-24.49	-	-
12	28.74975	24.04	Ca	.1	.3	10.5	34.94	-	-	50	-15.06

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

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	.15225	36.14	Qp	0	0	10.1	46.24	65.88	-19.64	-	-
14	.15225	18.12	Ca	0	0	10.1	28.22	-	-	55.88	-27.66
15	.68325	14.44	Qp	0	.1	10.1	24.64	56	-31.36	-	-
16	.681	3.45	Ca	0	.1	10.1	13.65	-	-	46	-32.35
17	3.20325	9.94	Qp	0	.1	10.1	20.14	56	-35.86	-	-
18	3.20325	9.28	Ca	0	.1	10.1	19.48	-	-	46	-26.52
19	6.40725	9.76	Qp	0	.1	10.2	20.06	60	-39.94	-	-
20	6.40725	9.26	Ca	0	.1	10.2	19.56	-	-	50	-30.44
21	26.25	22.98	Qp	.1	.3	10.5	33.88	60	-26.12	-	-
22	26.25	22.14	Ca	.1	.3	10.5	33.04	-	-	50	-16.96
23	28.74975	23.5	Qp	.1	.3	10.5	34.4	60	-25.6	-	-
24	28.74975	22.98	Ca	.1	.3	10.5	33.88	-	-	50	-16.12

Qp - Quasi-Peak detector
 Ca - CISPR average detection