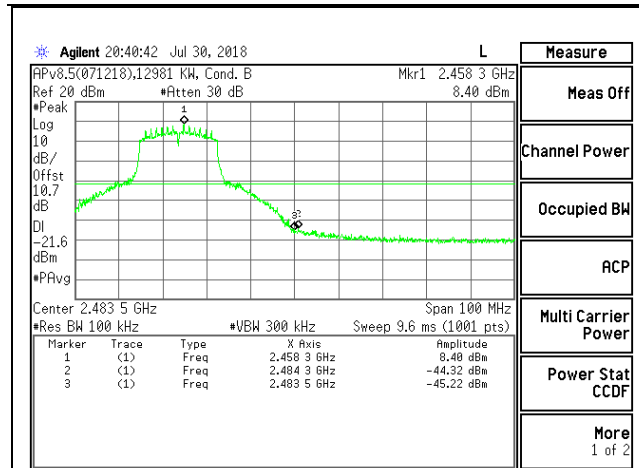
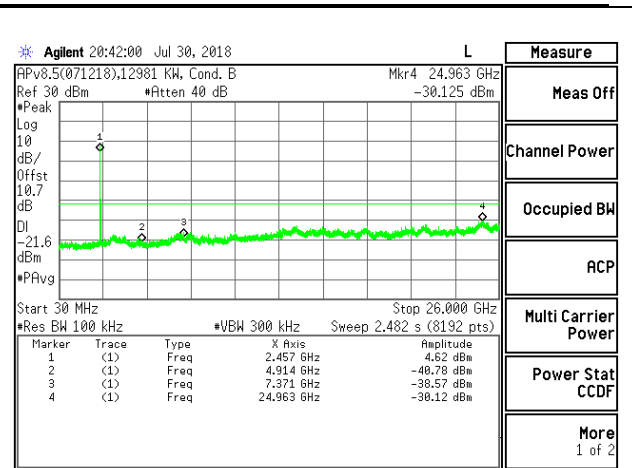




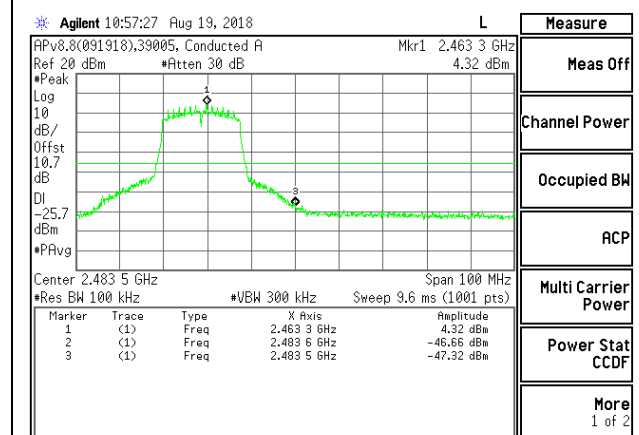
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HIGH CHANNEL 10 BANDEDGE CHAIN 0



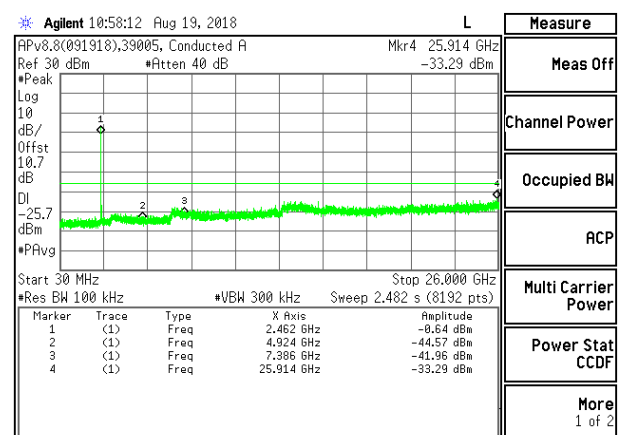
Copyright 2000-2011 Agilent Technologies

OUT-OF-BAND HIGH CHANNEL 10 CHAIN 0



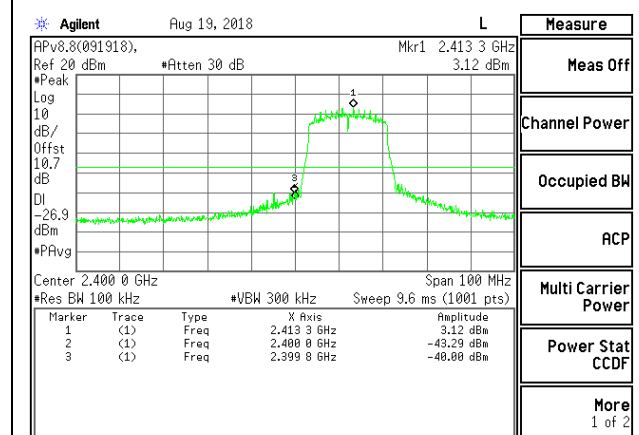
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HIGH CHANNEL 11 BANDEDGE CHAIN 0



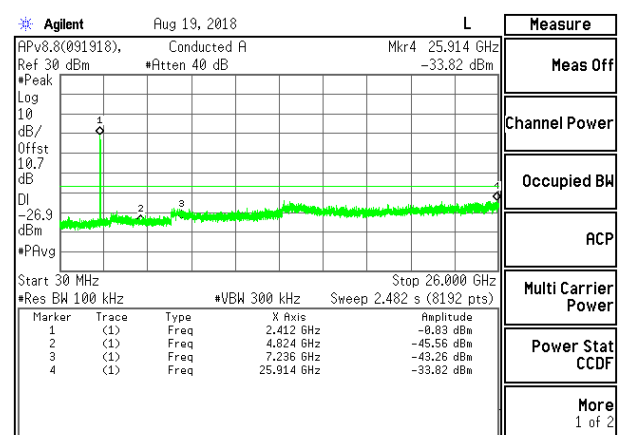
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OUT-OF-BAND HIGH CHANNEL 11 CHAIN 0



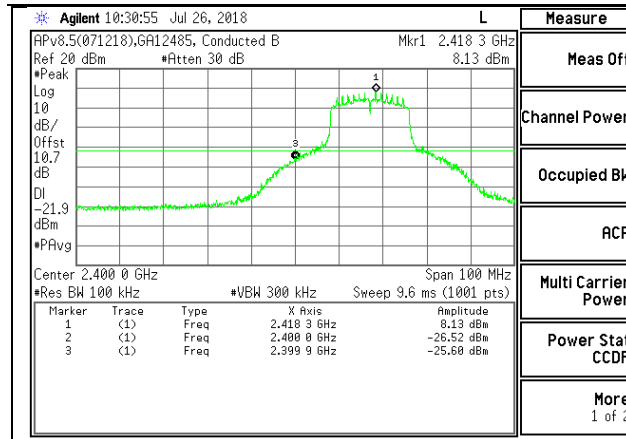
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LOW CHANNEL 1 BANDEDGE CHAIN 1

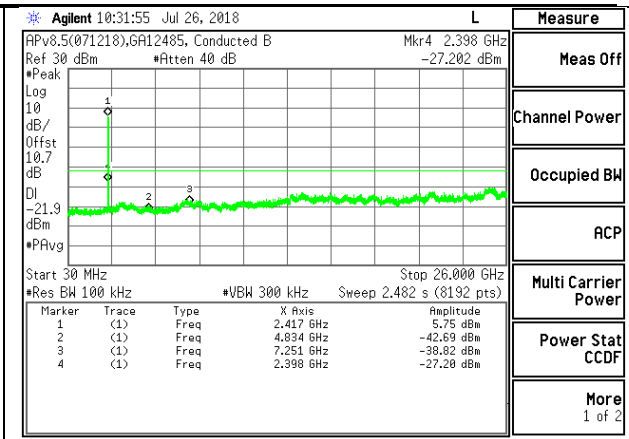


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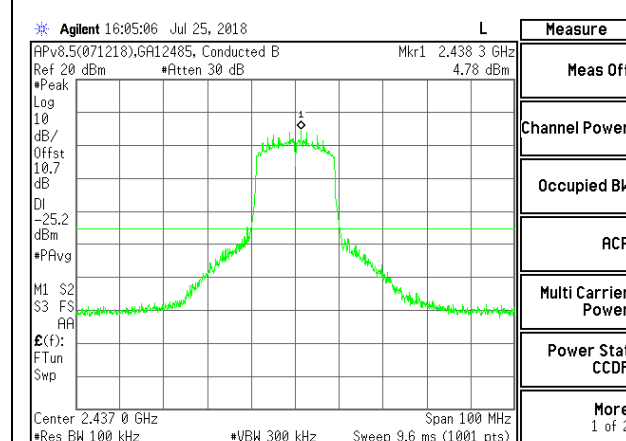
OUT-OF-BAND LOW CHANNEL 1 CHAIN 1



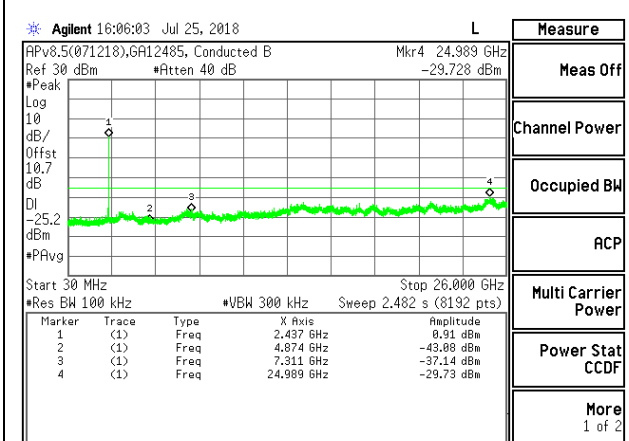
LOW CHANNEL 2 BANDEDGE CHAIN 1



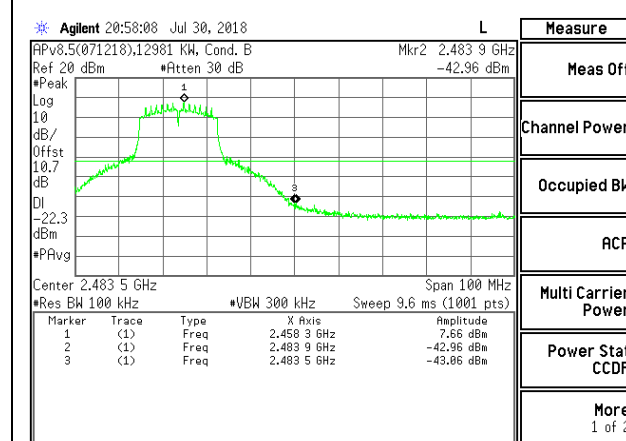
OUT-OF-BAND LOW CHANNEL 2 CHAIN 1



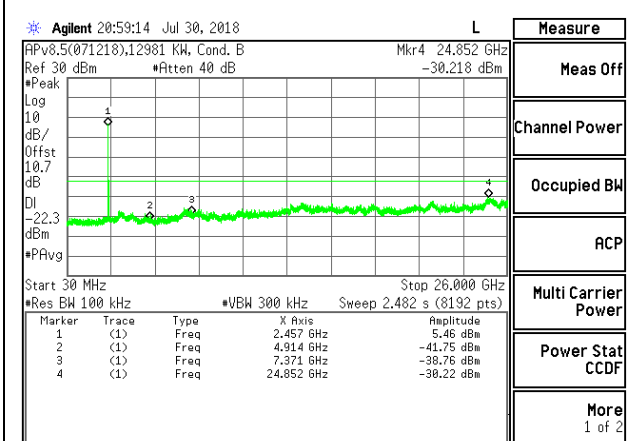
IN-BAND REFERENCE LEVEL CHAIN 1



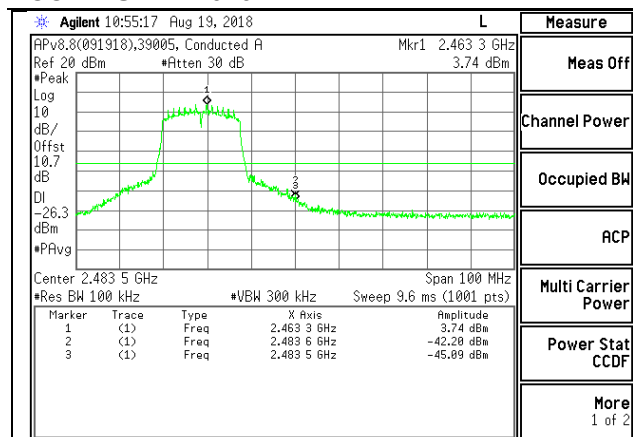
OUT-OF-BAND MID CHANNEL CHAIN 1



HIGH CHANNEL 10 BANDEDGE CHAIN 1

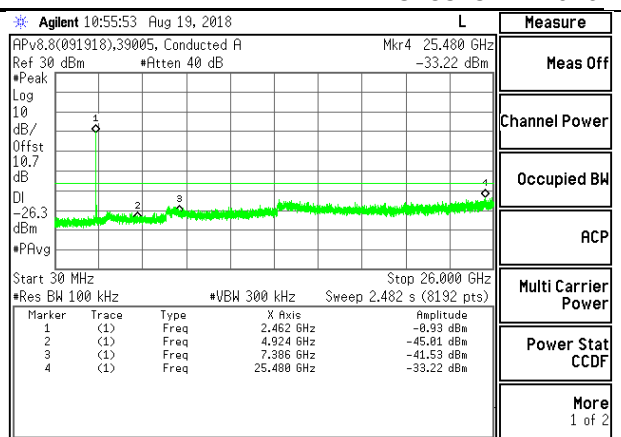


OUT-OF-BAND HIGH CHANNEL 10 CHAIN 1



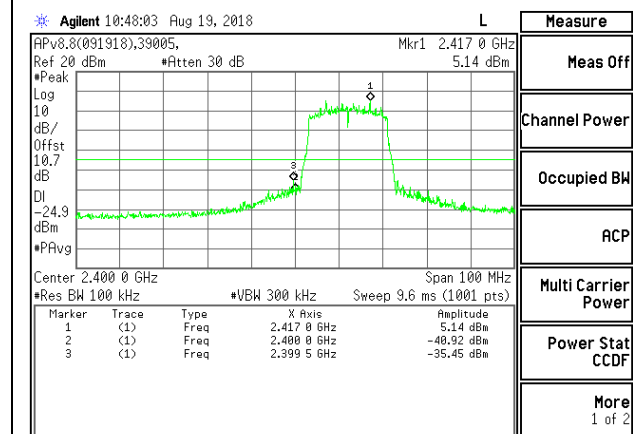
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HIGH CHANNEL 11 BANDEDGE CHAIN 1



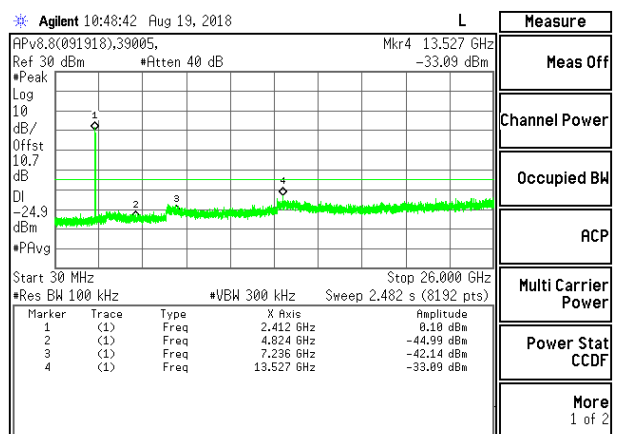
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OUT-OF-BAND HIGH CHANNEL 11 CHAIN 1



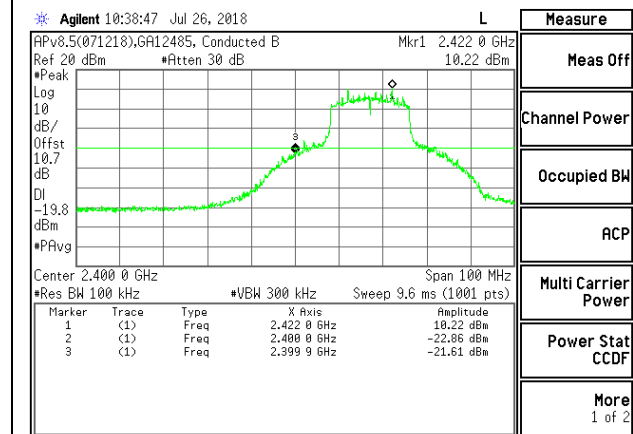
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LOW CHANNEL 1 BANDEDGE CHAIN 2



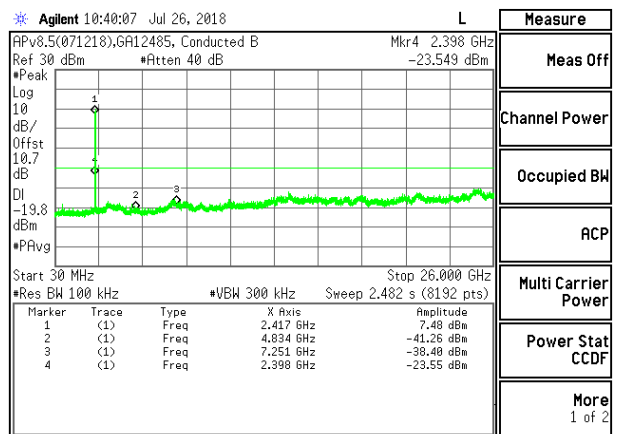
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OUT-OF-BAND LOW CHANNEL 1 CHAIN 2



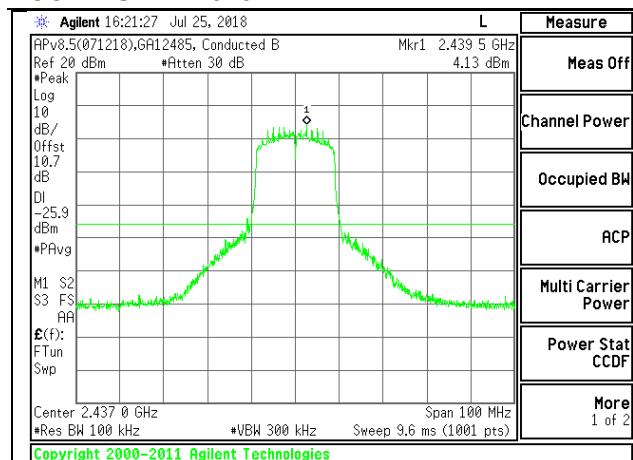
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LOW CHANNEL 2 BANDEDGE CHAIN 2

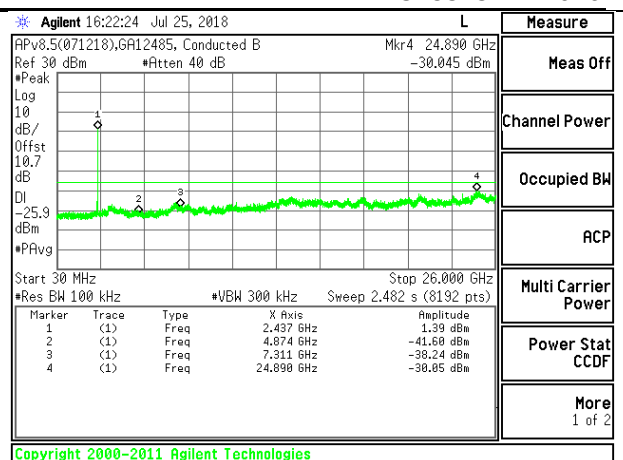


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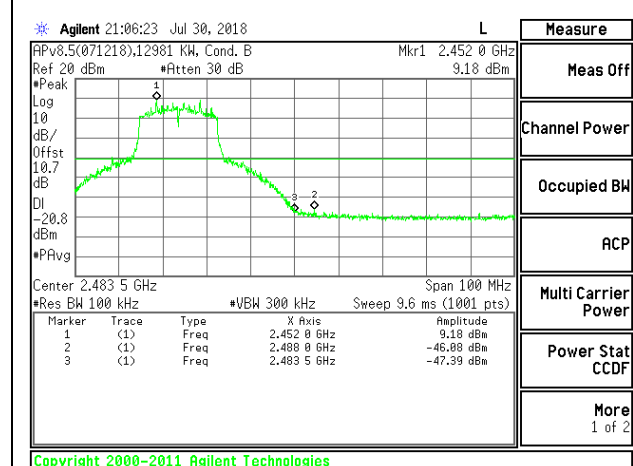
OUT-OF-BAND LOW CHANNEL 2 CHAIN 2



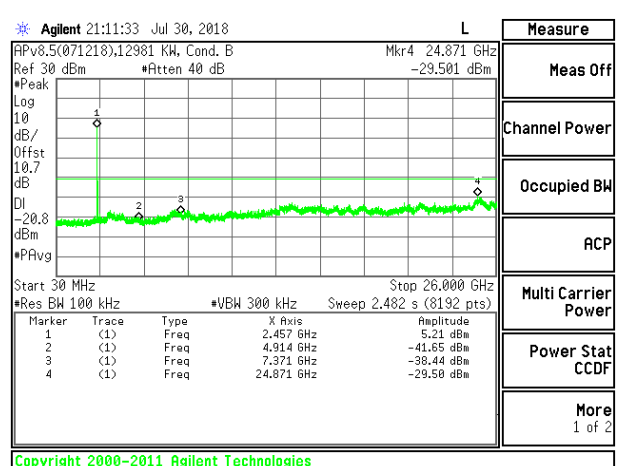
IN-BAND REFERENCE LEVEL CHAIN 2



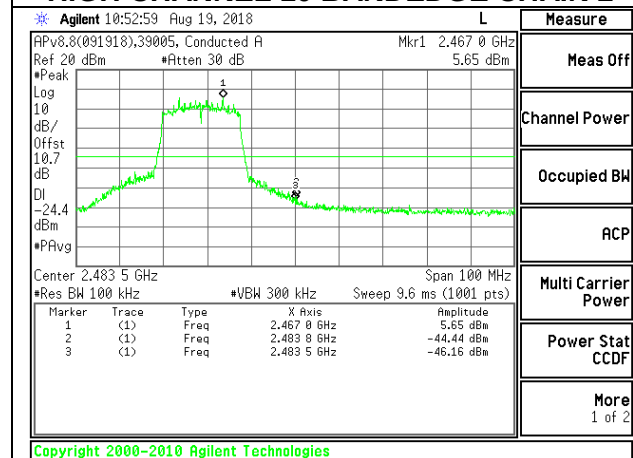
OUT-OF-BAND MID CHANNEL CHAIN 2



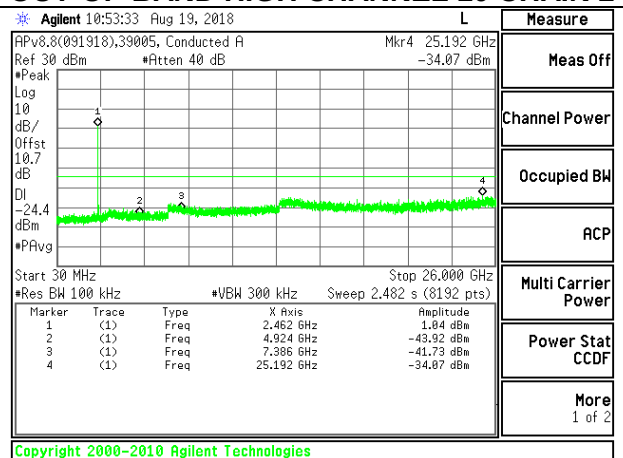
HIGH CHANNEL 10 BANDEDGE CHAIN 2



OUT-OF-BAND HIGH CHANNEL 10 CHAIN 2



HIGH CHANNEL 11 BANDEDGE CHAIN 2



OUT-OF-BAND HIGH CHANNEL 11 CHAIN 2

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.

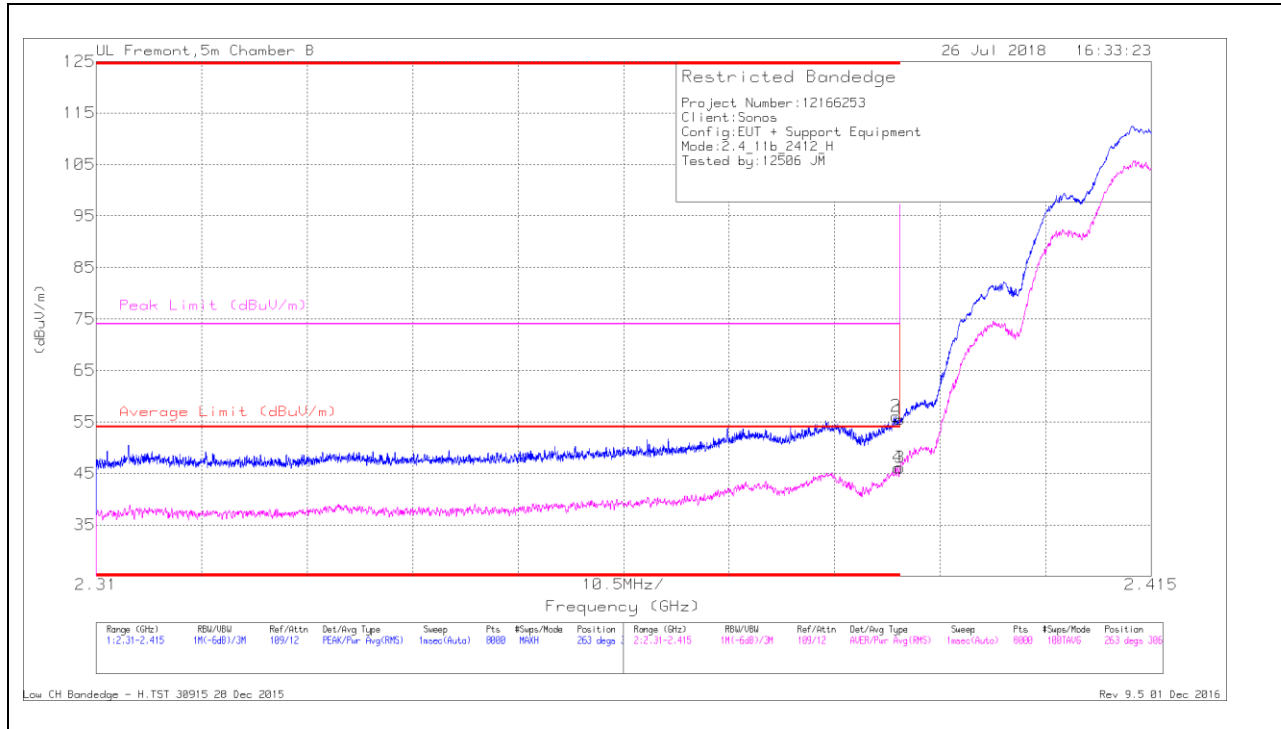
9.1. TRANSMITTER ABOVE 1 GHz

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

3TX CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

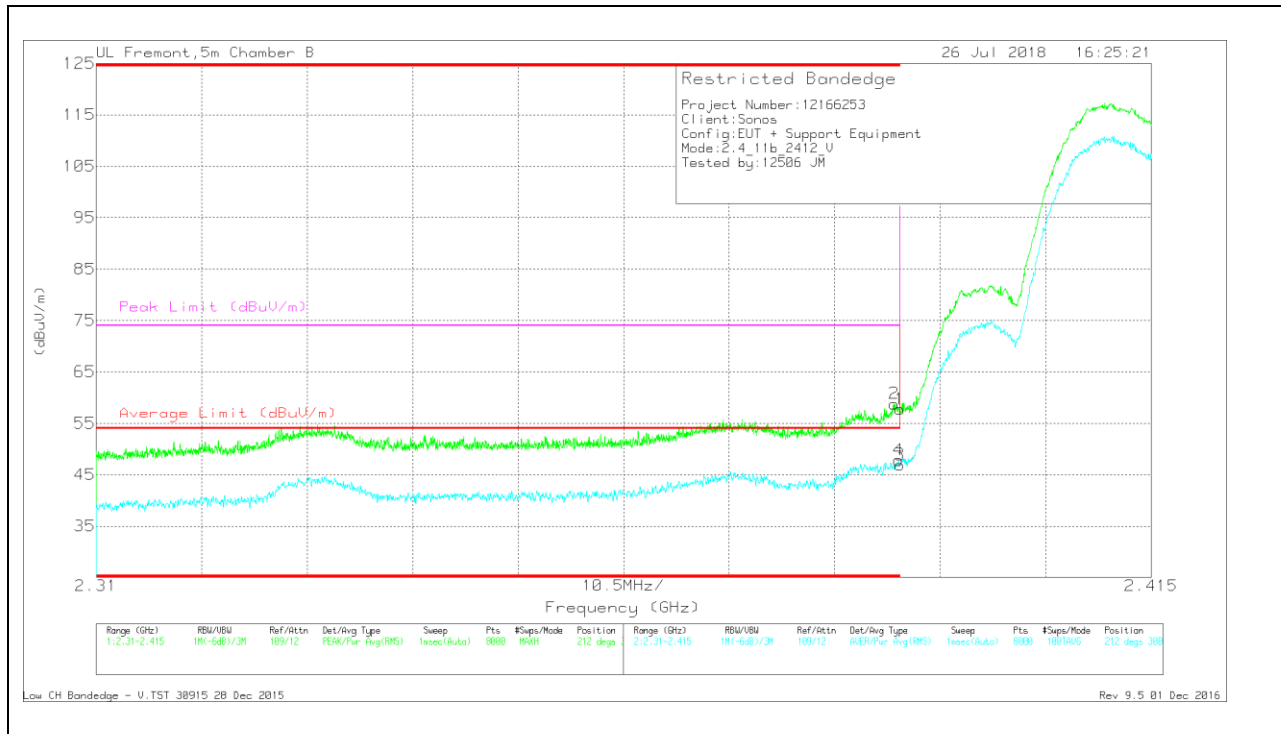
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (cm)	Polarity
1	* 2.39	44.64	Pk	32.3	-21.5	0	55.44	-	-	74	-18.56	263	306	H
2	* 2.39	45.3	Pk	32.3	-21.5	0	56.1	-	-	74	-17.9	263	306	H
3	* 2.39	35.23	RMS	32.3	-21.5	.1	46.13	54	-7.87	-	-	263	306	H
4	* 2.39	35.21	RMS	32.3	-21.5	.1	46.11	54	-7.89	-	-	263	306	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	46.98	Pk	32.3	-21.5	0	57.78	-	-	74	-16.22	212	300	V
2	* 2.389	48.01	Pk	32.3	-21.5	0	58.81	-	-	74	-15.19	212	300	V
3	* 2.39	36.04	RMS	32.3	-21.5	.1	46.94	54	-7.06	-	-	212	300	V
4	* 2.39	36.94	RMS	32.3	-21.5	.1	47.84	54	-6.16	-	-	212	300	V

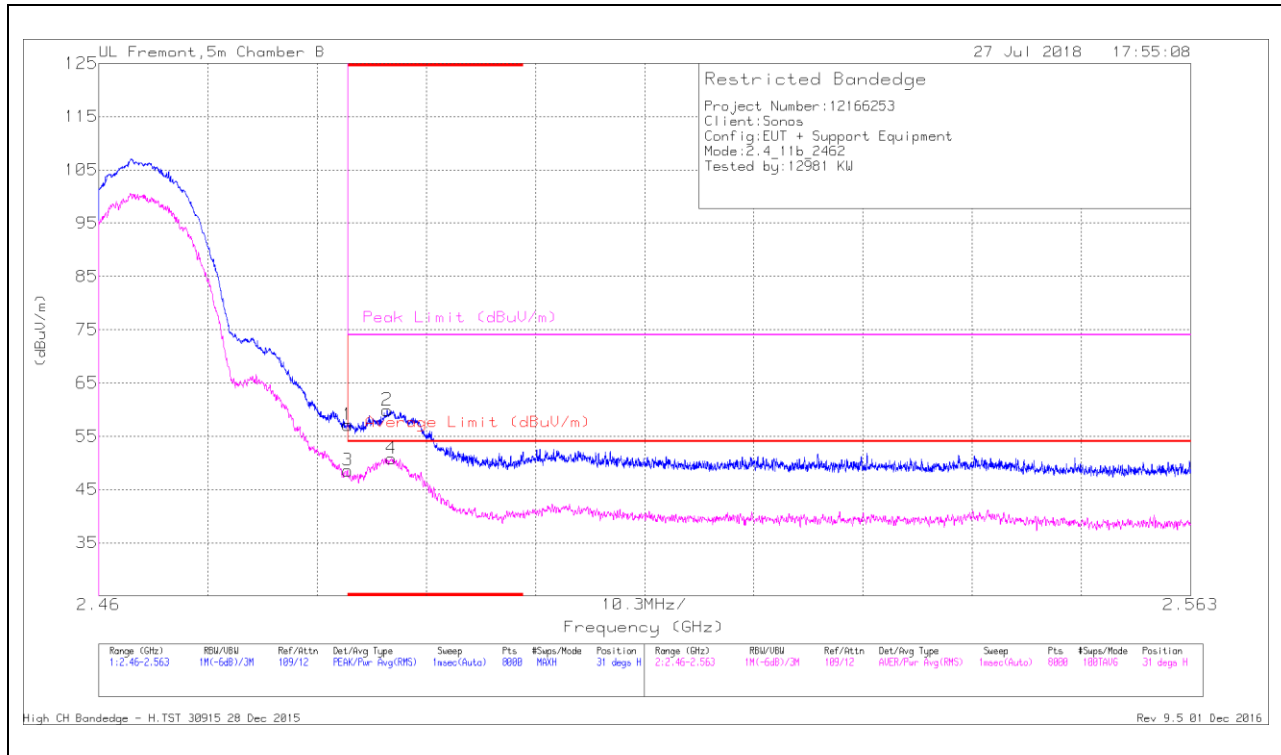
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Trace Markers

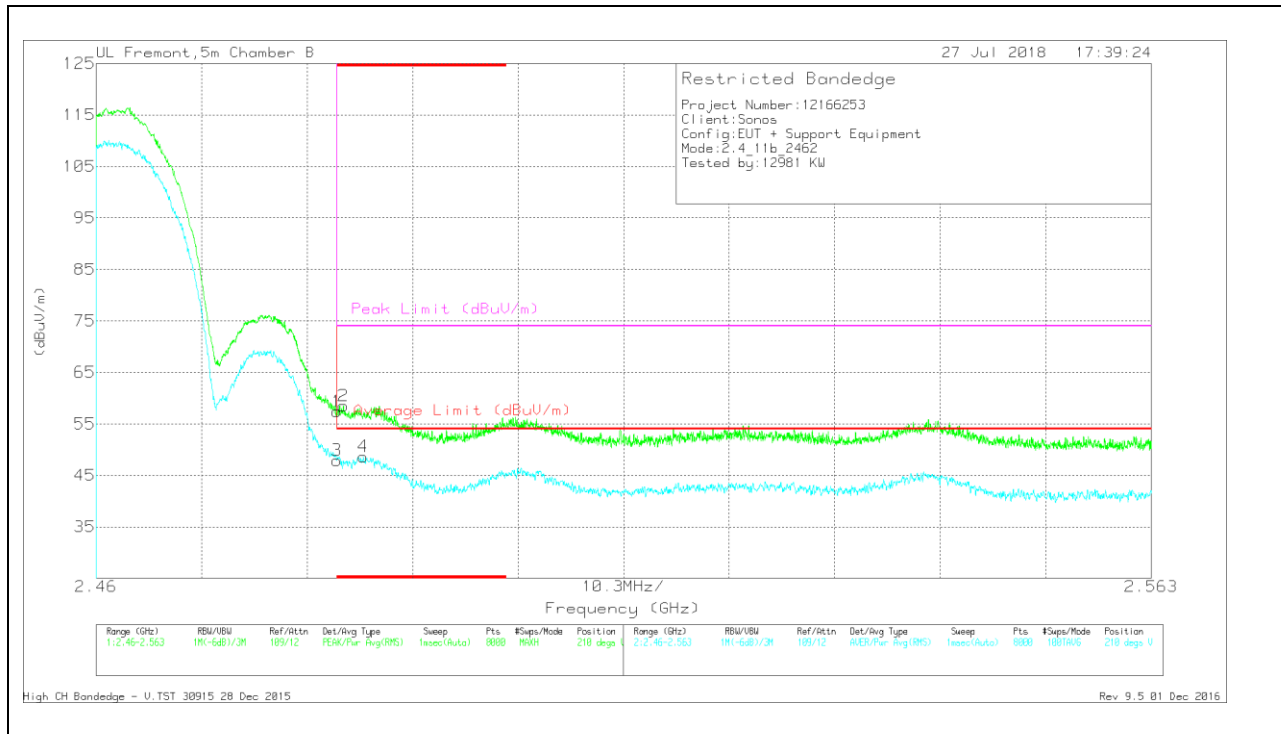
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.02	Pk	32.6	-21.5	0	57.12	-	-	74	-16.88	31	265	H
3	* 2.484	37.36	RMS	32.6	-21.5	.1	48.56	54	-5.44	-	-	31	265	H
2	* 2.487	48.79	Pk	32.6	-21.5	0	59.89	-	-	74	-14.11	31	265	H
4	* 2.488	39.59	RMS	32.6	-21.5	.1	50.79	54	-3.21	-	-	31	265	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.31	Pk	32.6	-21.5	0	57.41	-	-	74	-16.59	210	292	V
2	* 2.484	47.41	Pk	32.6	-21.5	0	58.51	-	-	74	-15.49	210	292	V
3	* 2.484	36.71	RMS	32.6	-21.5	.1	47.91	54	-6.09	-	-	210	292	V
4	* 2.486	37.43	RMS	32.6	-21.5	.1	48.63	54	-5.37	-	-	210	292	V

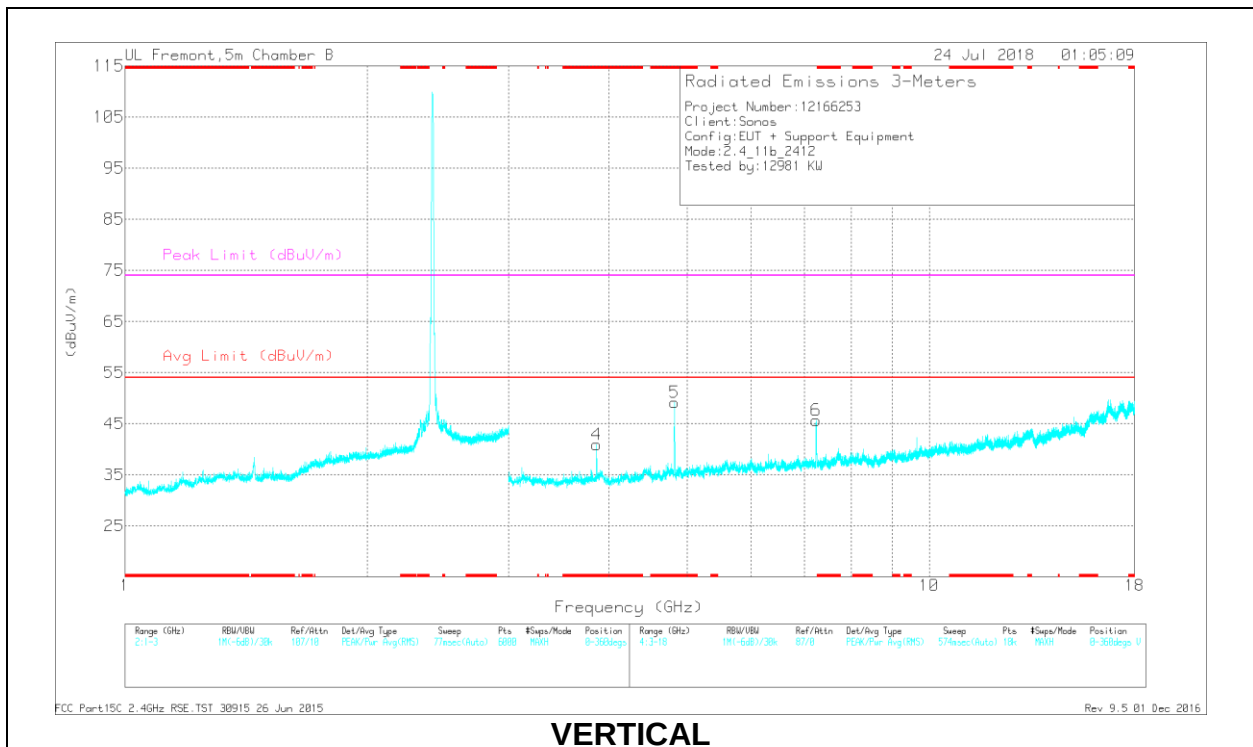
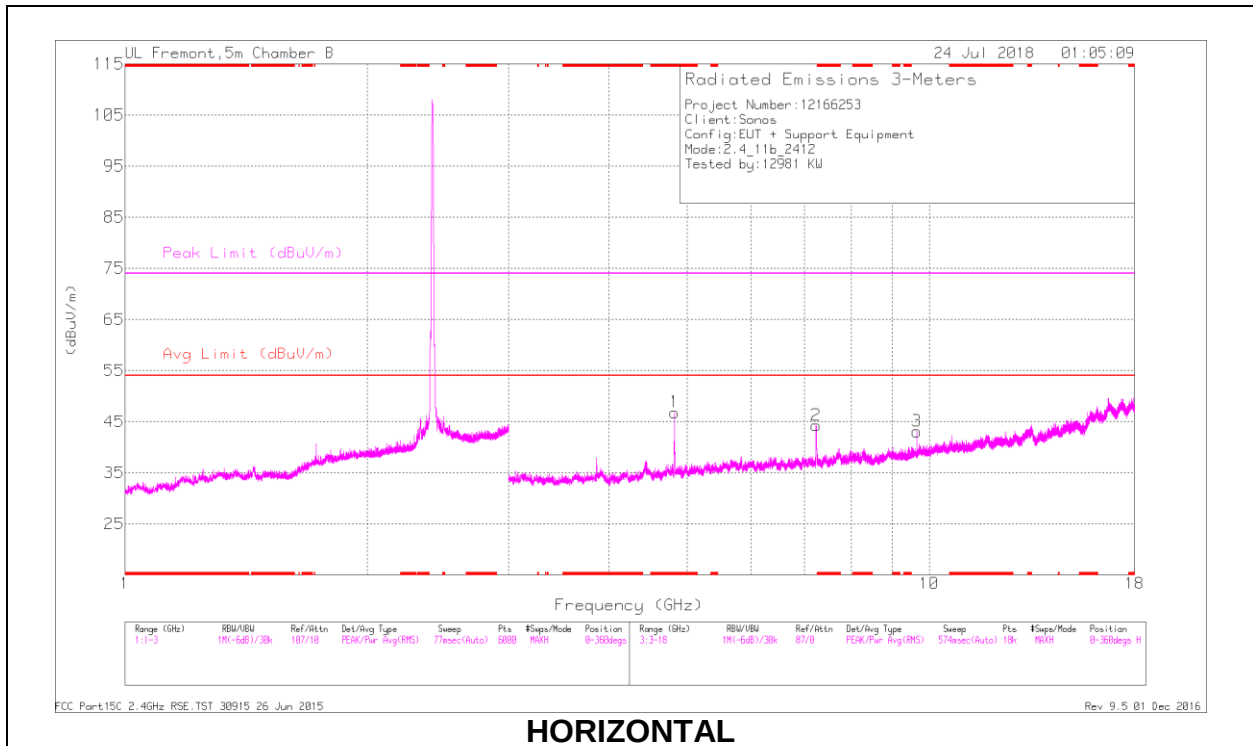
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	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	* 4.824	43.54	Pk	34.1	-30.8	0	46.84	-	-	74	-27.16	0-360	102	H
4	* 3.859	38.31	Pk	33.4	-30.8	0	40.91	-	-	74	-33.09	0-360	102	V
5	* 4.824	45.83	Pk	34.1	-30.8	0	49.13	-	-	74	-24.87	0-360	102	V
2	7.234	37.05	Pk	35.9	-28.7	0	44.25	-	-	-	-	0-360	200	H
6	7.234	38.45	Pk	35.9	-28.7	0	45.65	-	-	-	-	0-360	102	V
3	9.648	31.51	Pk	37.1	-25.5	0	43.11	-	-	-	-	0-360	102	H

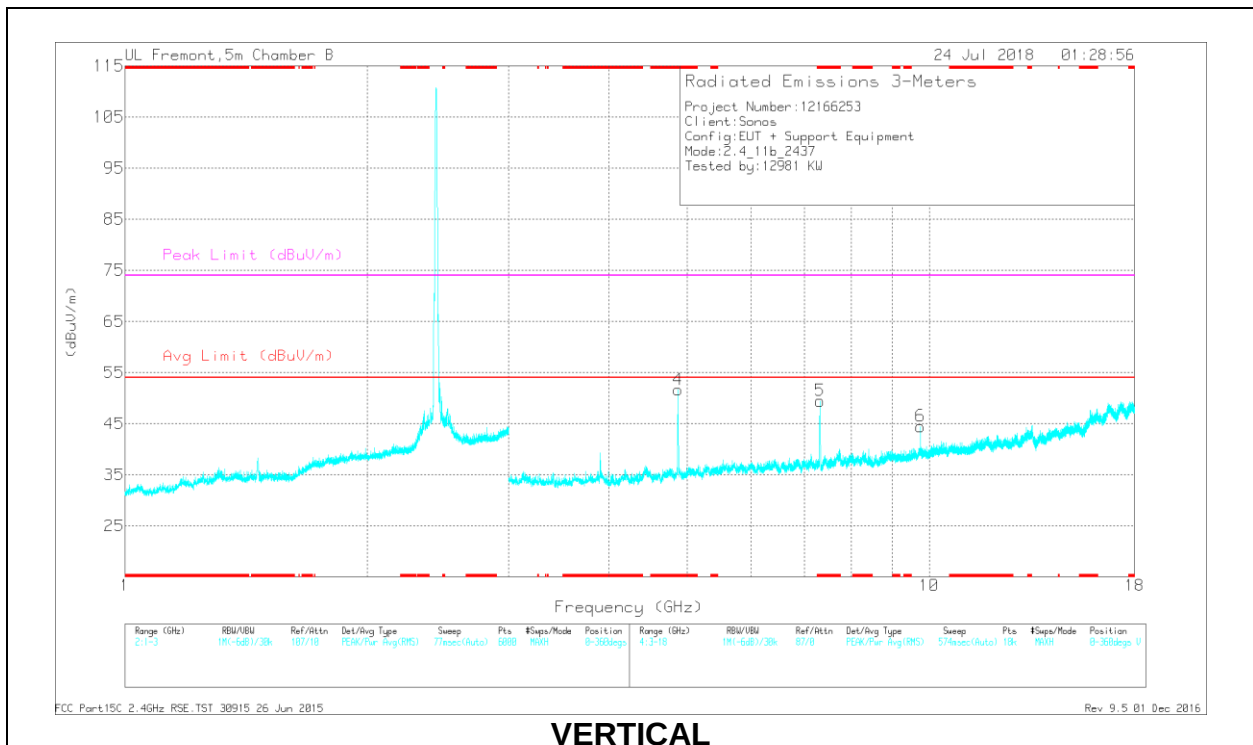
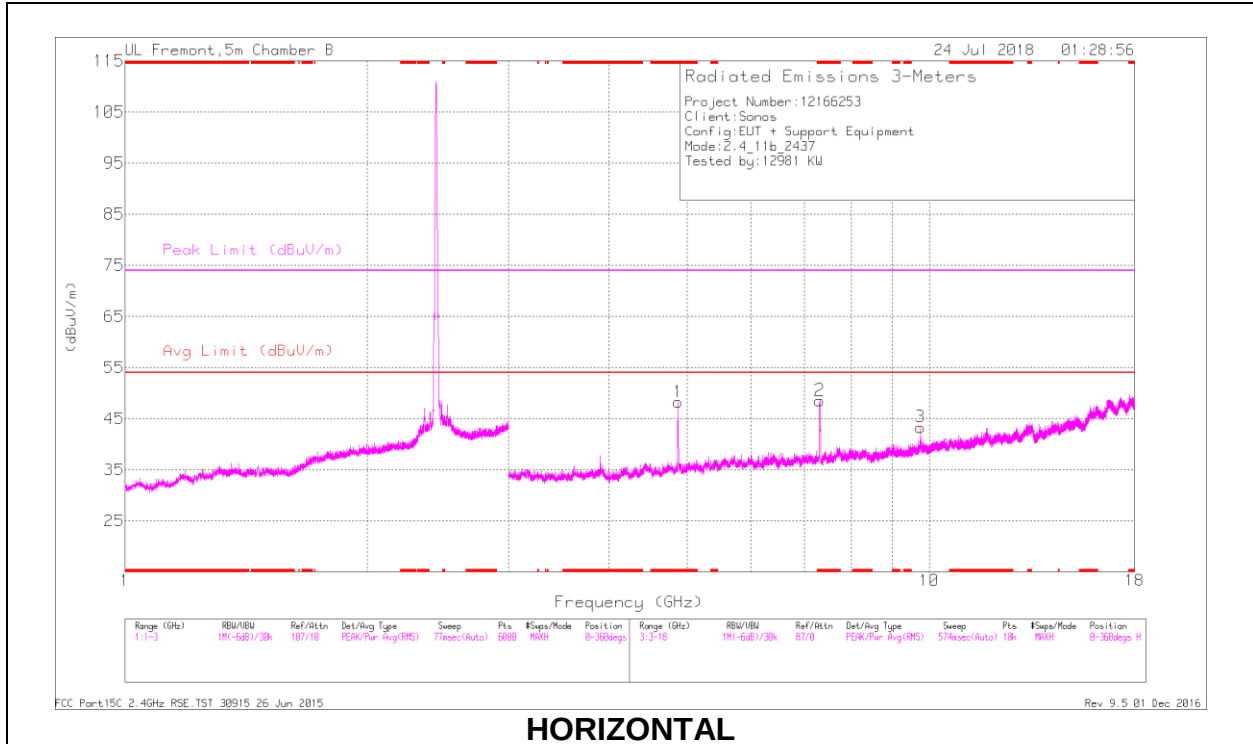
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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
* 4.824	46.43	PK2	34.1	-30.8	0	49.73	-	-	74	-24.27	181	116	H
* 4.824	35.62	MAV1	34.1	-30.8	.1	39.02	54	-14.98	-	-	181	116	H
* 4.824	47.53	PK2	34.1	-30.8	0	50.83	-	-	74	-23.17	137	116	V
* 4.824	37.58	MAV1	34.1	-30.8	.1	40.98	54	-13.02	-	-	137	116	V
* 3.859	42.51	PK2	33.4	-30.8	0	45.11	-	-	74	-28.89	194	102	V
* 3.859	35.86	MAV1	33.4	-30.8	.1	38.56	54	-15.44	-	-	194	102	V

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

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	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	* 4.874	45.24	Pk	34.3	-31.3	0	48.24	-	-	74	-25.76	0-360	102	H
2	* 7.309	41.64	Pk	35.9	-29	0	48.54	-	-	74	-25.46	0-360	102	H
4	* 4.874	48.64	Pk	34.3	-31.3	0	51.64	-	-	74	-22.36	0-360	200	V
5	* 7.311	42.47	Pk	35.9	-28.9	0	49.47	-	-	74	-24.53	0-360	200	V
3	9.748	30.84	Pk	37.3	-24.8	0	43.34	-	-	-	-	0-360	102	H
6	9.748	31.97	Pk	37.3	-24.8	0	44.47	-	-	-	-	0-360	102	V

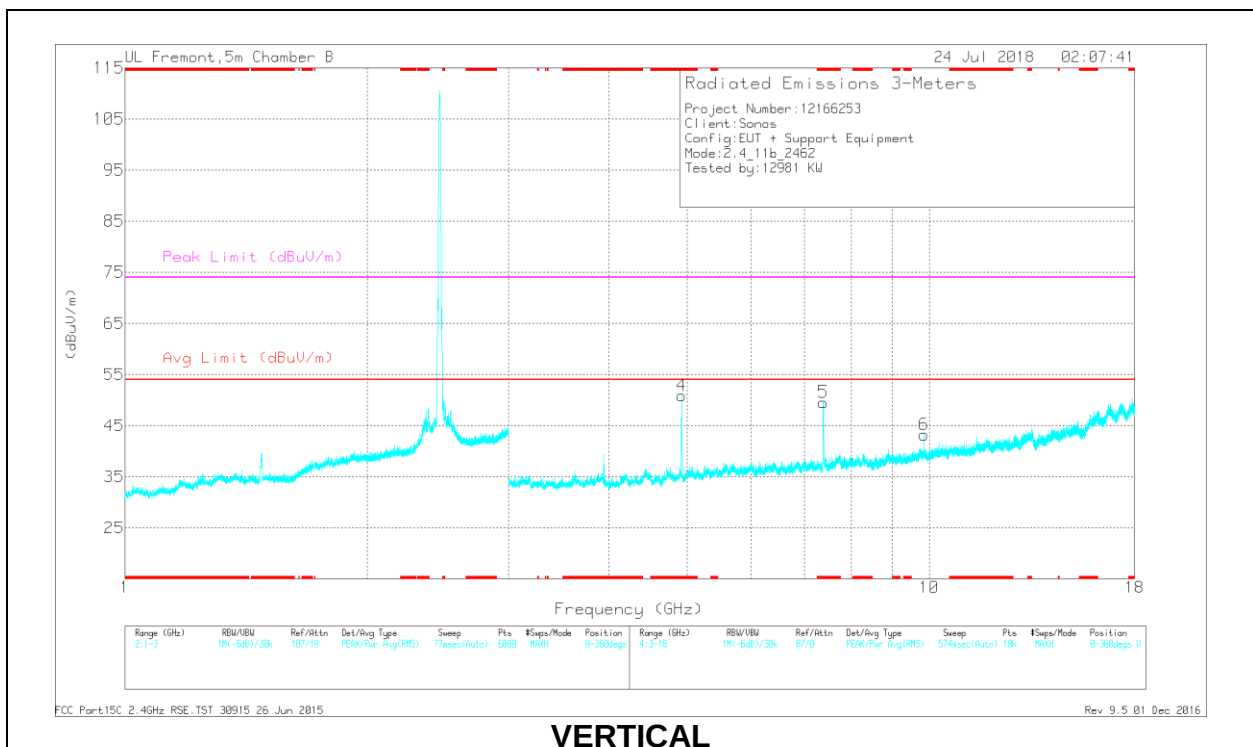
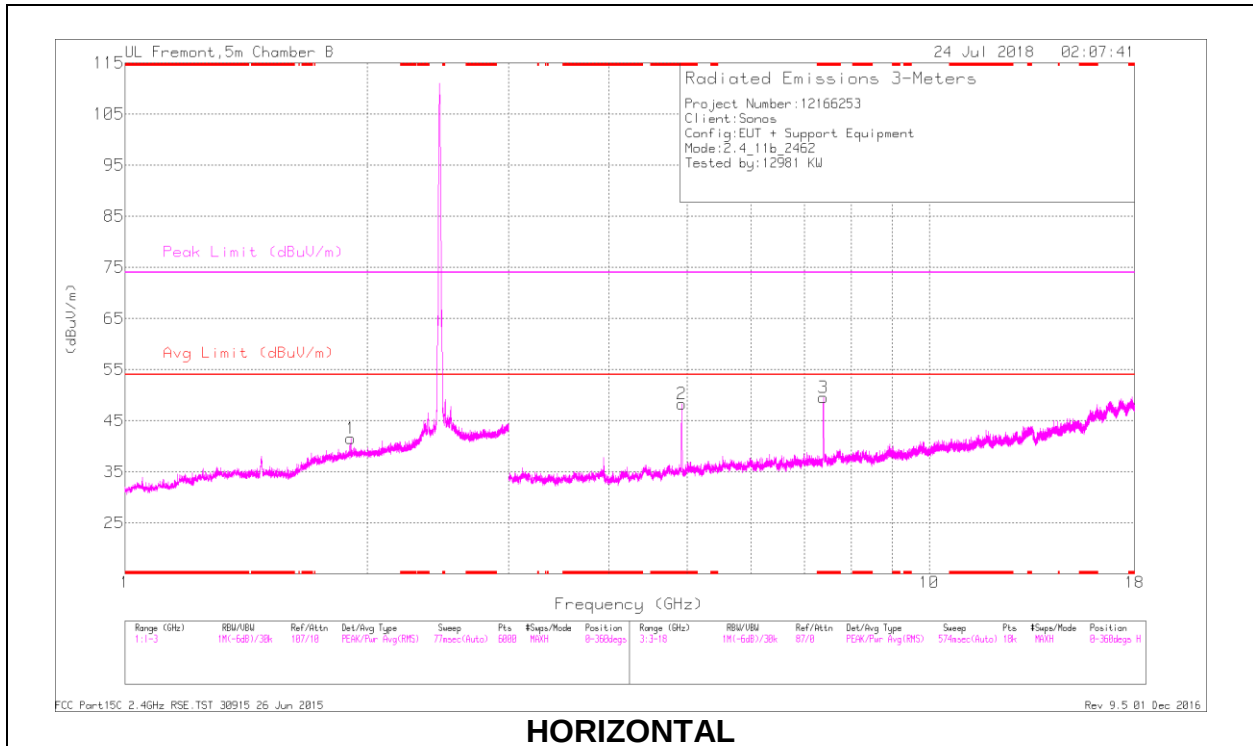
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	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
* 4.874	50.76	PK2	34.3	-31.2	0	53.86	-	-	74	-20.14	187	110	H
* 4.874	41.86	MAv1	34.3	-31.2	.1	45.06	54	-8.94	-	-	187	110	H
* 7.31	47.57	PK2	35.9	-29	0	54.47	-	-	74	-19.53	148	210	H
* 7.31	37.8	MAv1	35.9	-29	.1	44.80	54	-9.20	-	-	148	210	H
* 4.874	53.48	PK2	34.3	-31.2	0	56.58	-	-	74	-17.42	241	220	V
* 4.874	42.75	MAv1	34.3	-31.2	.1	45.95	54	-8.05	-	-	241	220	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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	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
2	* 4.923	45.25	Pk	34.4	-31.4	0	48.25	-	-	74	-25.75	0-360	102	H
3	* 7.385	41.73	Pk	36.1	-28.3	0	49.53	-	-	74	-24.47	0-360	102	H
4	* 4.924	47.91	Pk	34.4	-31.4	0	50.91	-	-	74	-23.09	0-360	200	V
5	* 7.385	41.76	Pk	36.1	-28.3	0	49.56	-	-	74	-24.44	0-360	200	V
1	1.909	31.71	Pk	31	-21.2	0	41.51	-	-	-	-	0-360	199	H
6	9.848	31.44	Pk	37.3	-25.5	0	43.24	-	-	-	-	0-360	102	V

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

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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
* 4.924	48.67	PK2	34.4	-31.4	0	51.67	-	-	74	-22.33	129	392	H
* 4.924	37.73	MAV1	34.4	-31.4	.1	40.83	54	-13.17	-	-	129	392	H
* 7.386	47.1	PK2	36.1	-28.3	0	54.9	-	-	74	-19.1	148	117	H
* 7.385	37.13	MAV1	36.1	-28.3	.1	45.03	54	-8.97	-	-	148	117	H
* 4.924	51.42	PK2	34.4	-31.4	0	54.42	-	-	74	-19.58	8	343	V
* 4.924	40	MAV1	34.4	-31.4	.1	43.10	54	-10.90	-	-	8	343	V
* 7.386	48.62	PK2	36.1	-28.3	0	56.42	-	-	74	-17.58	262	228	V
* 7.385	38.71	MAV1	36.1	-28.3	.1	46.61	54	-7.39	-	-	262	228	V

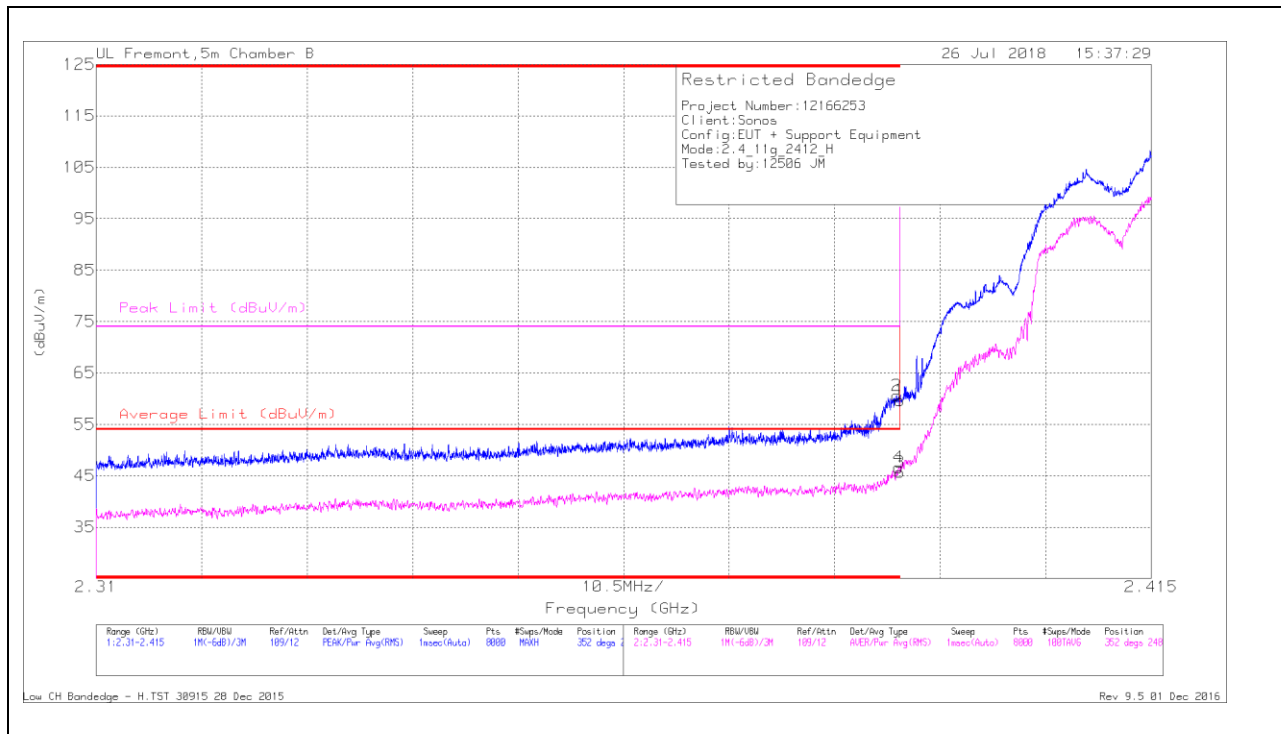
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAV1 - KDB558074 Option 1 Maximum RMS Average

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

3TX CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

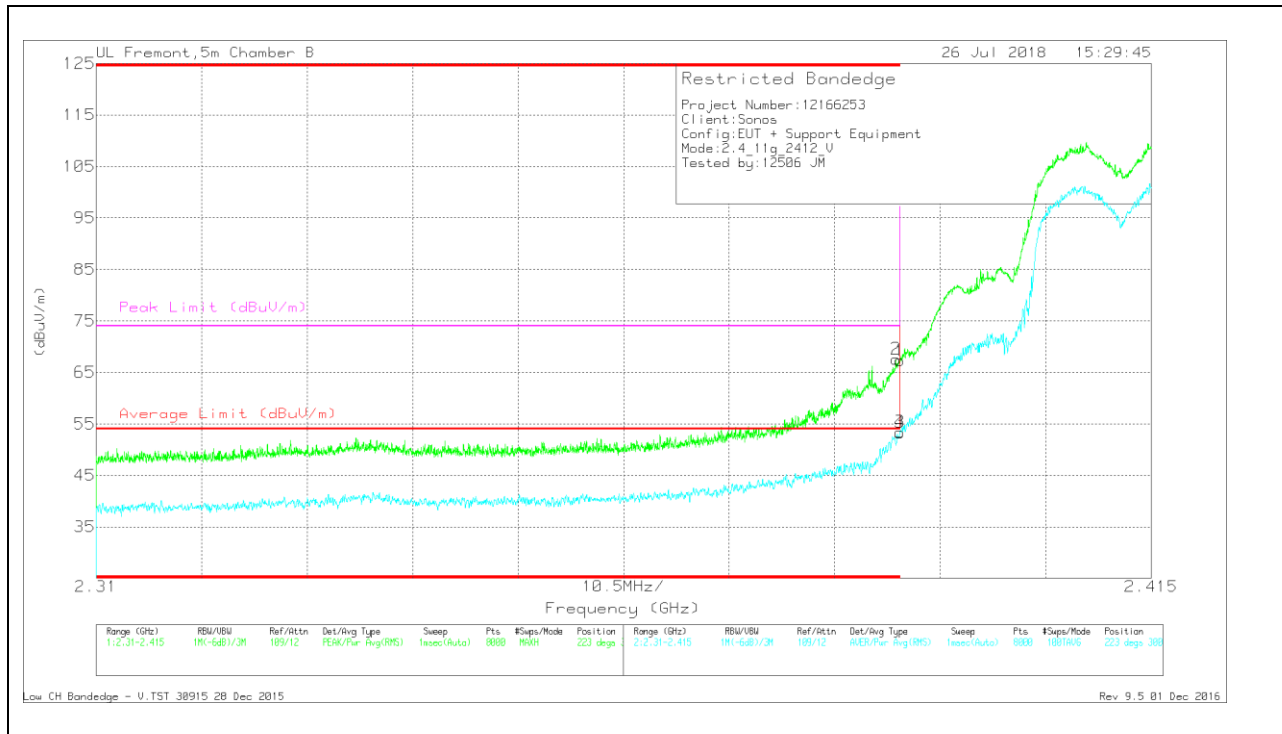
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Ampl/Chl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.88	Pk	32.3	-21.5	0	59.68	-	-	74	-14.32	352	248	H
2	* 2.39	49.78	Pk	32.3	-21.5	0	60.58	-	-	74	-13.42	352	248	H
3	* 2.39	34.56	RMS	32.3	-21.5	.31	45.67	54	-8.33	-	-	352	248	H
4	* 2.39	35.51	RMS	32.3	-21.5	.31	46.62	54	-7.38	-	-	352	248	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.51	Pk	32.3	-21.5	0	67.31	-	-	74	-6.69	223	300	V
2	* 2.39	56.79	Pk	32.3	-21.5	0	67.59	-	-	74	-6.41	223	300	V
3	* 2.39	42.31	RMS	32.3	-21.5	.31	53.42	54	-58	-	-	223	300	V
4	* 2.39	42.22	RMS	32.3	-21.5	.31	53.33	54	-67	-	-	223	300	V

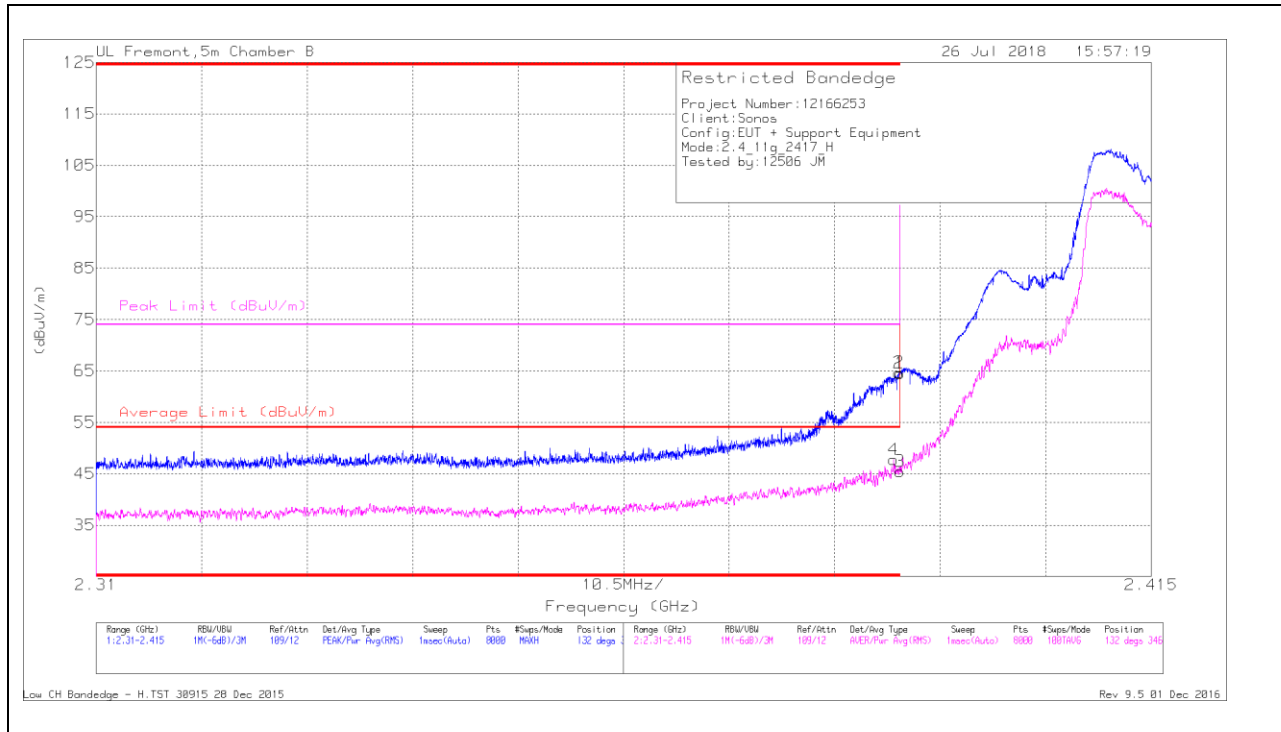
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT



Trace Markers

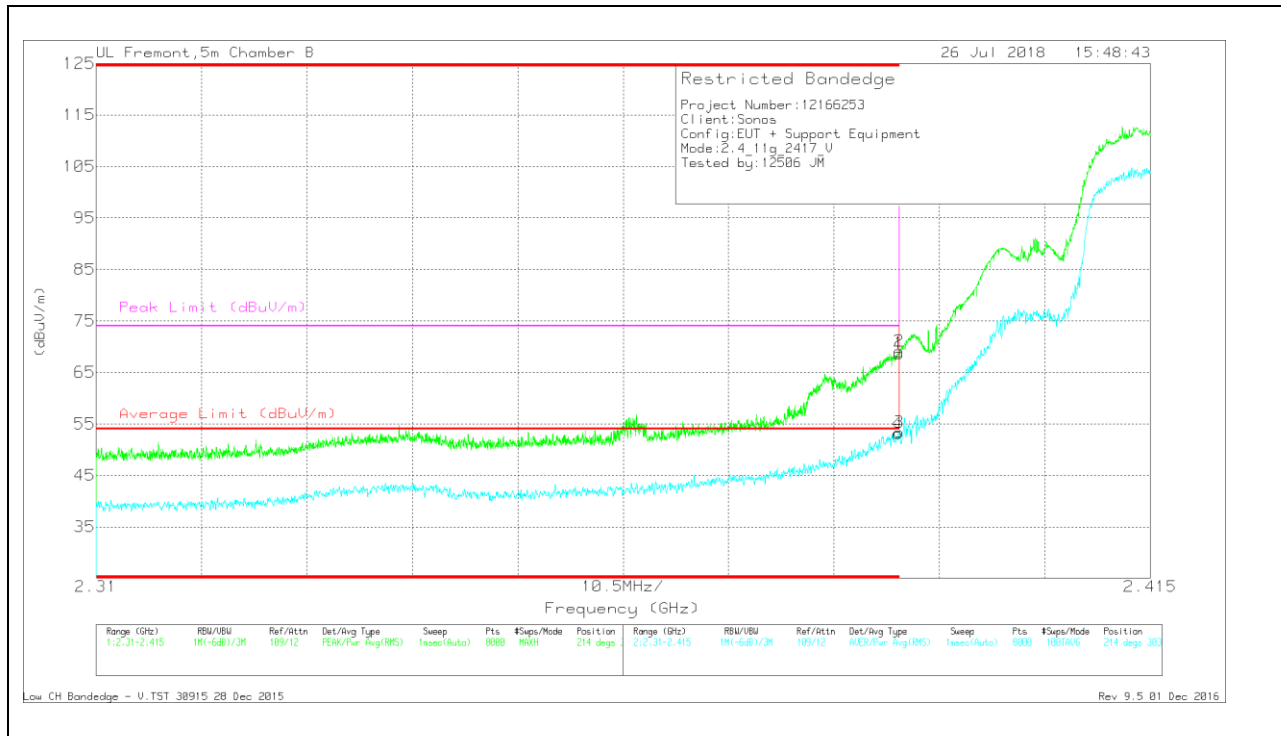
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.73	Pk	32.3	-21.5	0	64.53	-	-	74	-9.47	132	346	H
2	* 2.39	53.87	Pk	32.3	-21.5	0	64.67	-	-	74	-9.33	132	346	H
3	* 2.39	34.35	RMS	32.3	-21.5	.31	45.46	54	-8.54	-	-	132	346	H
4	* 2.389	36.62	RMS	32.3	-21.5	.31	47.73	54	-6.27	-	-	132	346	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	57.88	Pk	32.3	-21.5	0	68.68	-	-	74	-5.32	214	303	V
2	* 2.39	58.3	Pk	32.3	-21.5	0	69.1	-	-	74	-4.9	214	303	V
3	* 2.39	42.28	RMS	32.3	-21.5	.31	53.39	54	-.61	-	-	214	303	V
4	* 2.39	42	RMS	32.3	-21.5	.31	53.11	54	-.89	-	-	214	303	V

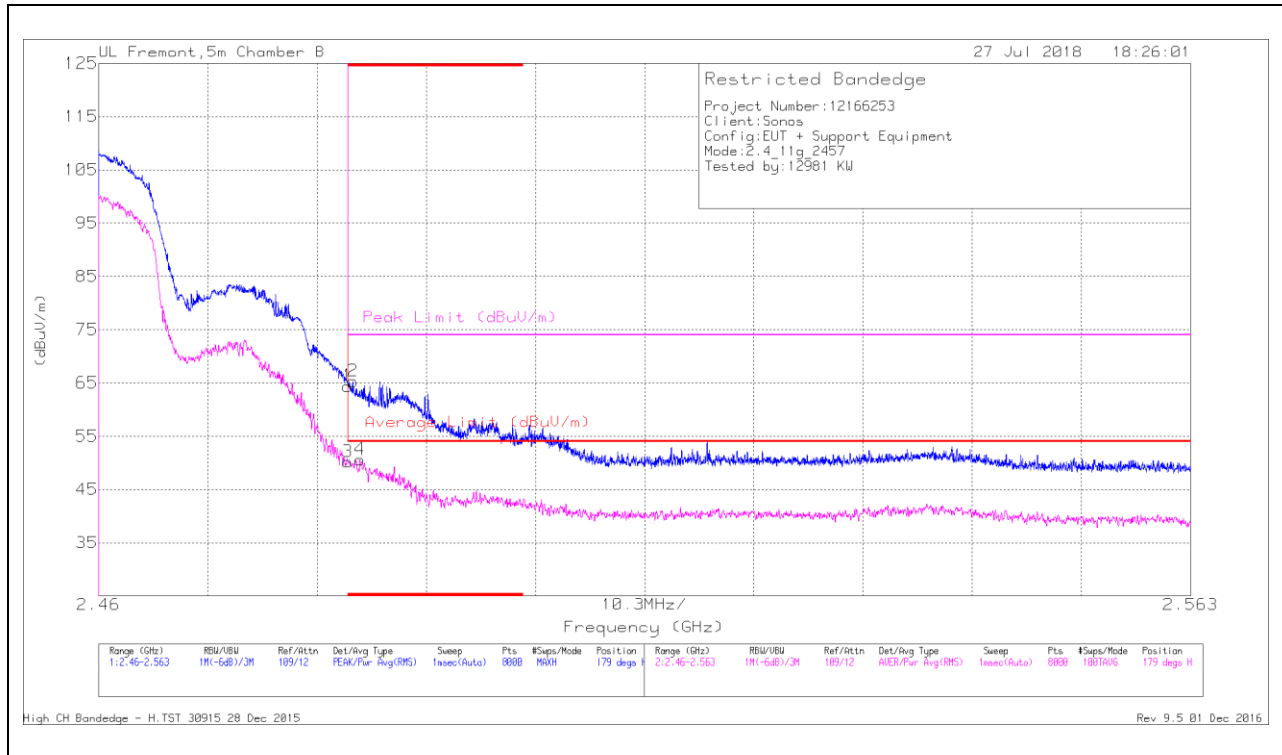
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



Trace Markers

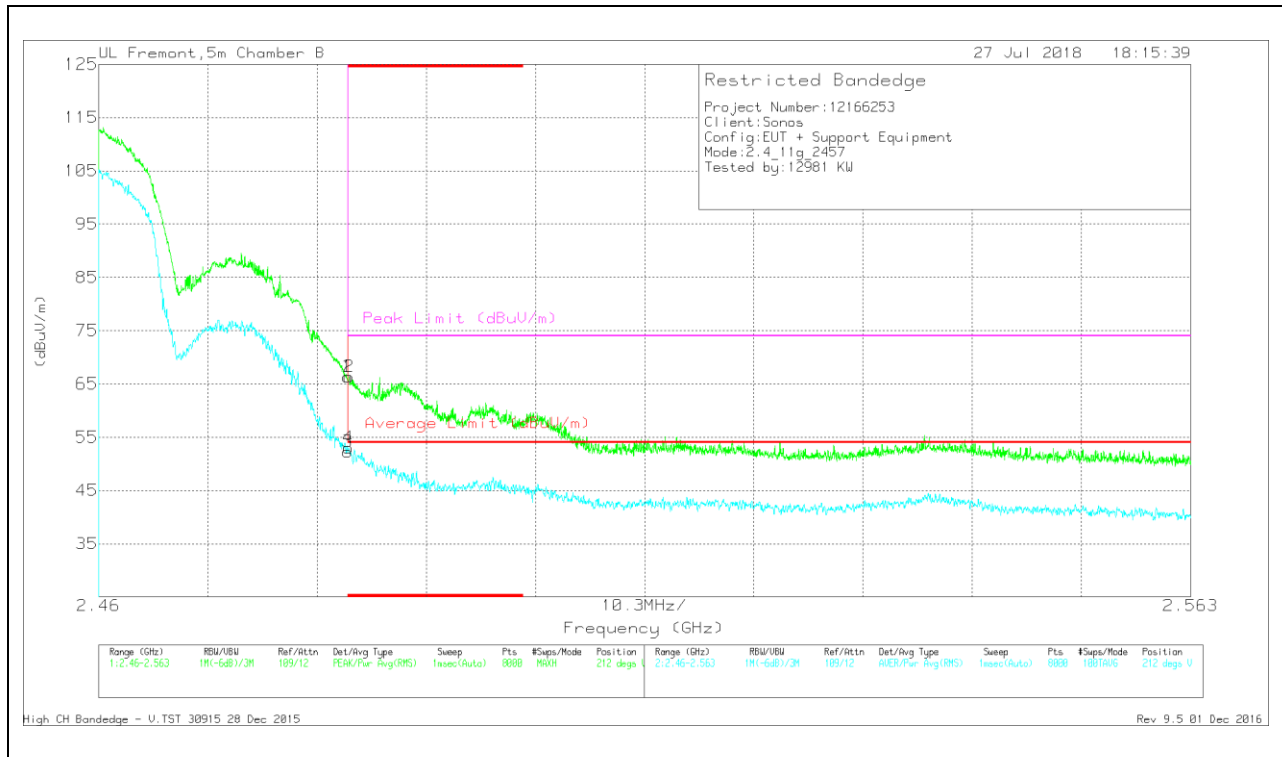
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/CbI/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.3	Pk	32.6	-21.5	0	64.4	-	-	74	-9.6	179	153	H
2	* 2.484	54.2	Pk	32.6	-21.5	0	65.3	-	-	74	-8.7	179	153	H
3	* 2.484	38.77	RMS	32.6	-21.5	.31	50.18	54	-3.82	-	-	179	153	H
4	* 2.485	39.2	RMS	32.6	-21.5	.31	50.61	54	-3.39	-	-	179	153	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/ChlIFtr/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	55.2	Pk	32.6	-21.5	0	66.3	-	-	74	-7.7	212	278	V
2	* 2.484	55.22	Pk	32.6	-21.5	0	66.32	-	-	74	-7.68	212	278	V
3	* 2.484	40.87	RMS	32.6	-21.5	.31	52.28	54	-1.72	-	-	212	278	V
4	* 2.484	41.59	RMS	32.6	-21.5	.31	53	54	-1	-	-	212	278	V

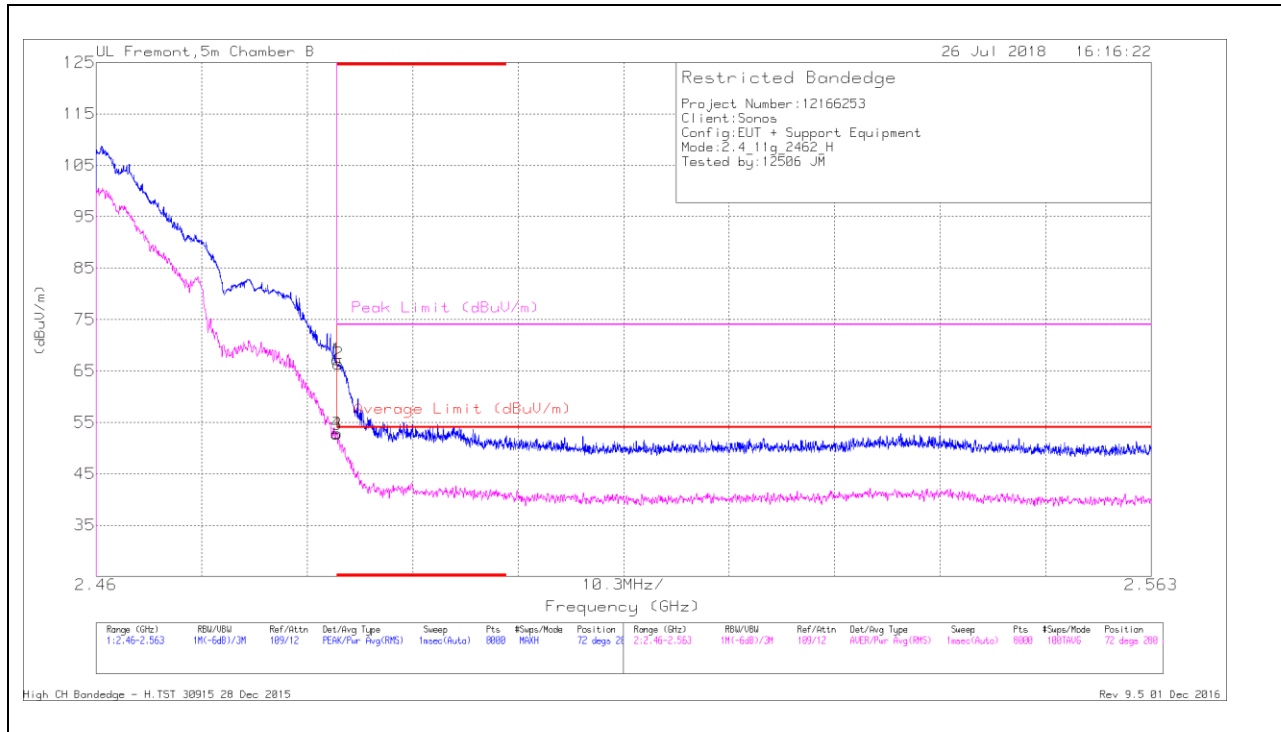
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Trace Markers

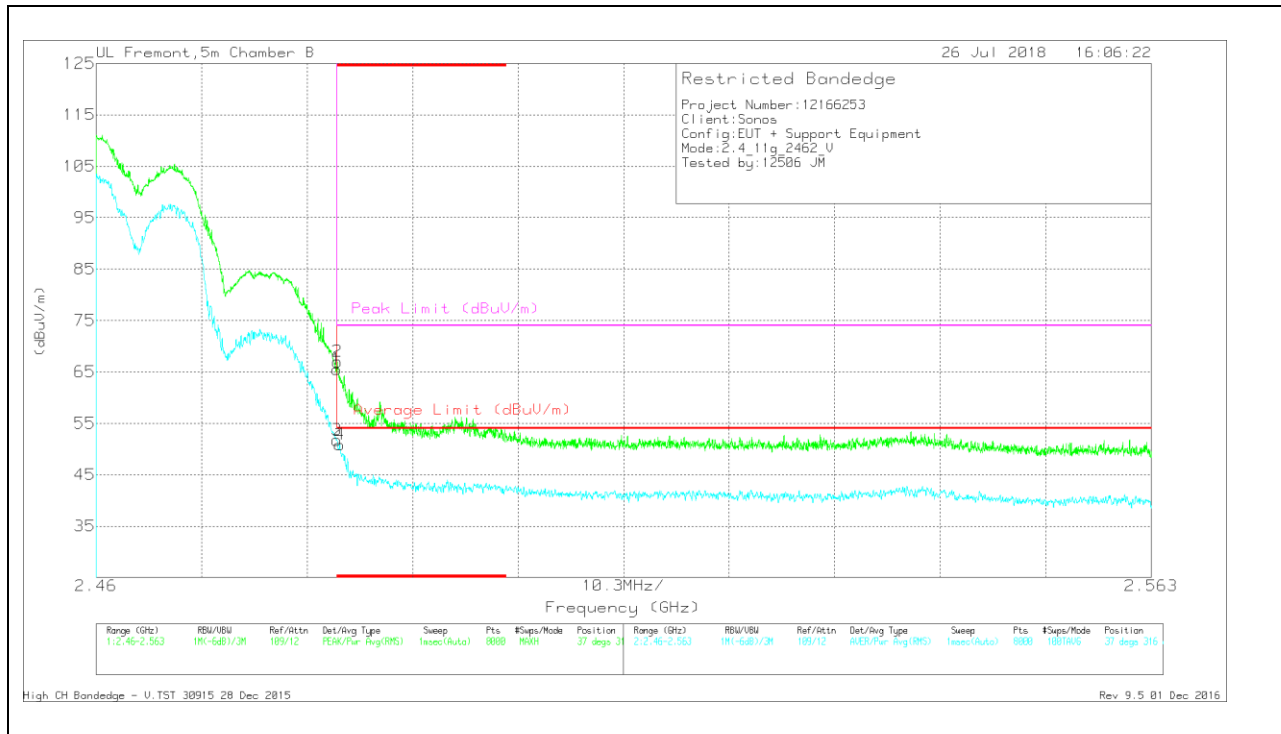
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	56.1	Pk	32.6	-21.5	0	67.2	-	-	74	-6.8	72	280	H
2	* 2.484	55.3	Pk	32.6	-21.5	0	66.4	-	-	74	-7.6	72	280	H
3	* 2.484	41.27	RMS	32.6	-21.5	.31	52.68	54	-1.32	-	-	72	280	H
4	* 2.484	41.46	RMS	32.6	-21.5	.31	52.87	54	-1.13	-	-	72	280	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.42	Pk	32.6	-21.5	0	65.52	-	-	74	-8.48	37	316	V
2	* 2.484	55.91	Pk	32.6	-21.5	0	67.01	-	-	74	-6.99	37	316	V
3	* 2.484	40.34	RMS	32.6	-21.5	.31	51.75	54	-2.25	-	-	37	316	V
4	* 2.484	39.46	RMS	32.6	-21.5	.31	50.87	54	-3.13	-	-	37	316	V

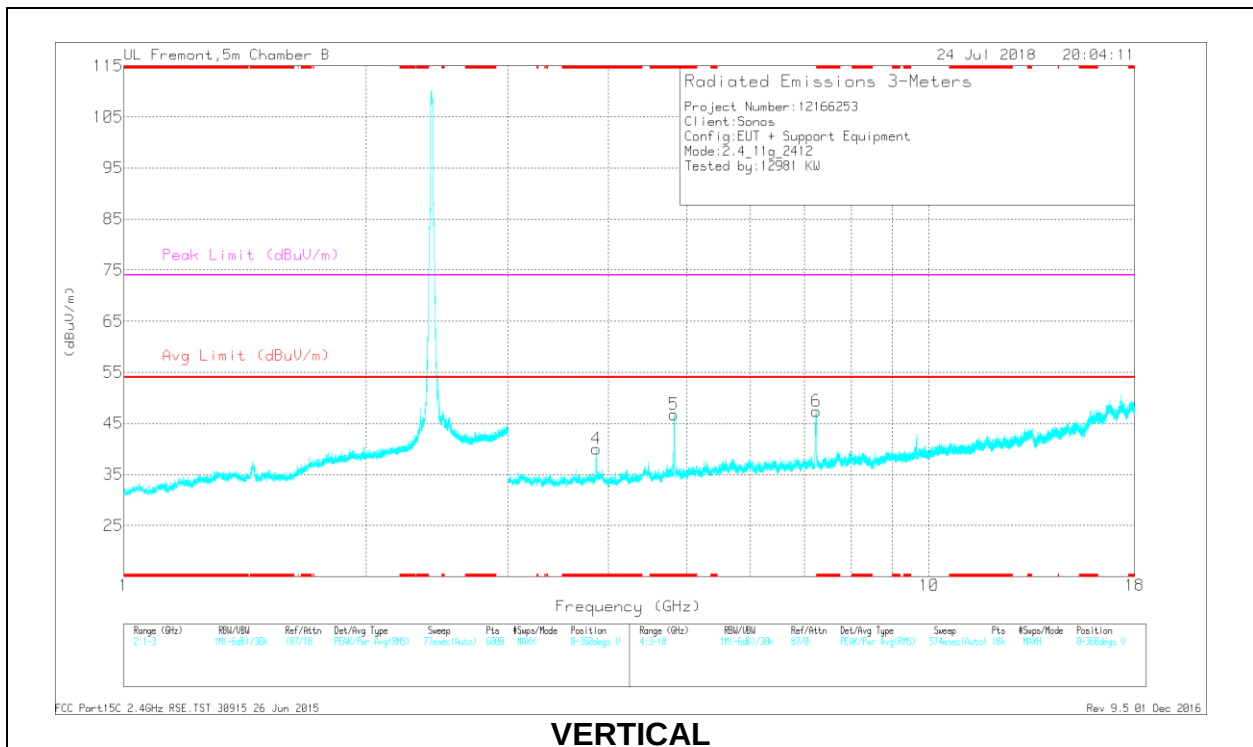
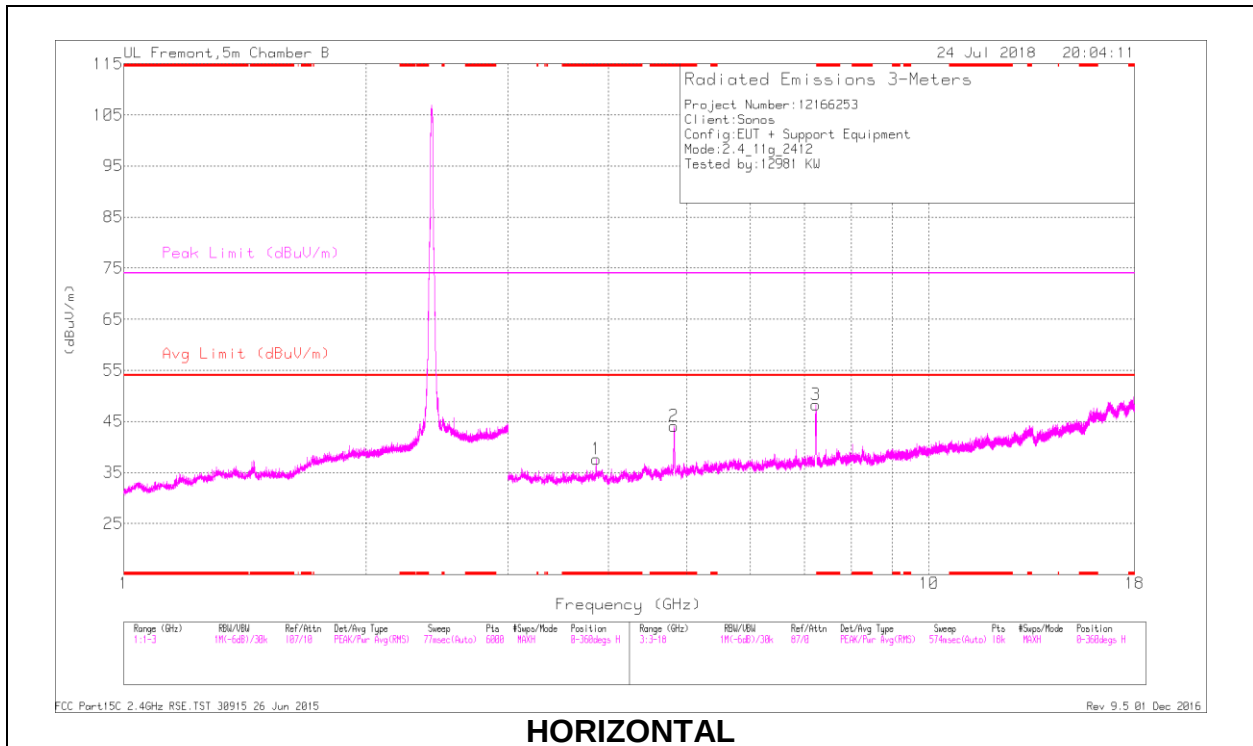
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	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	* 3.859	34.97	Pk	33.4	-30.8	0	37.57	-	-	74	-36.43	0-360	199	H
2	* 4.825	40.83	Pk	34.1	-30.8	0	44.13	-	-	74	-29.87	0-360	102	H
4	* 3.859	37.45	Pk	33.4	-30.8	0	40.05	-	-	74	-33.95	0-360	200	V
5	* 4.825	43.46	Pk	34.1	-30.8	0	46.76	-	-	74	-27.24	0-360	200	V
3	7.236	41.03	Pk	35.9	-28.7	0	48.23	-	-	-	-	0-360	199	H
6	7.244	40.22	Pk	35.9	-28.8	0	47.32	-	-	-	-	0-360	102	V

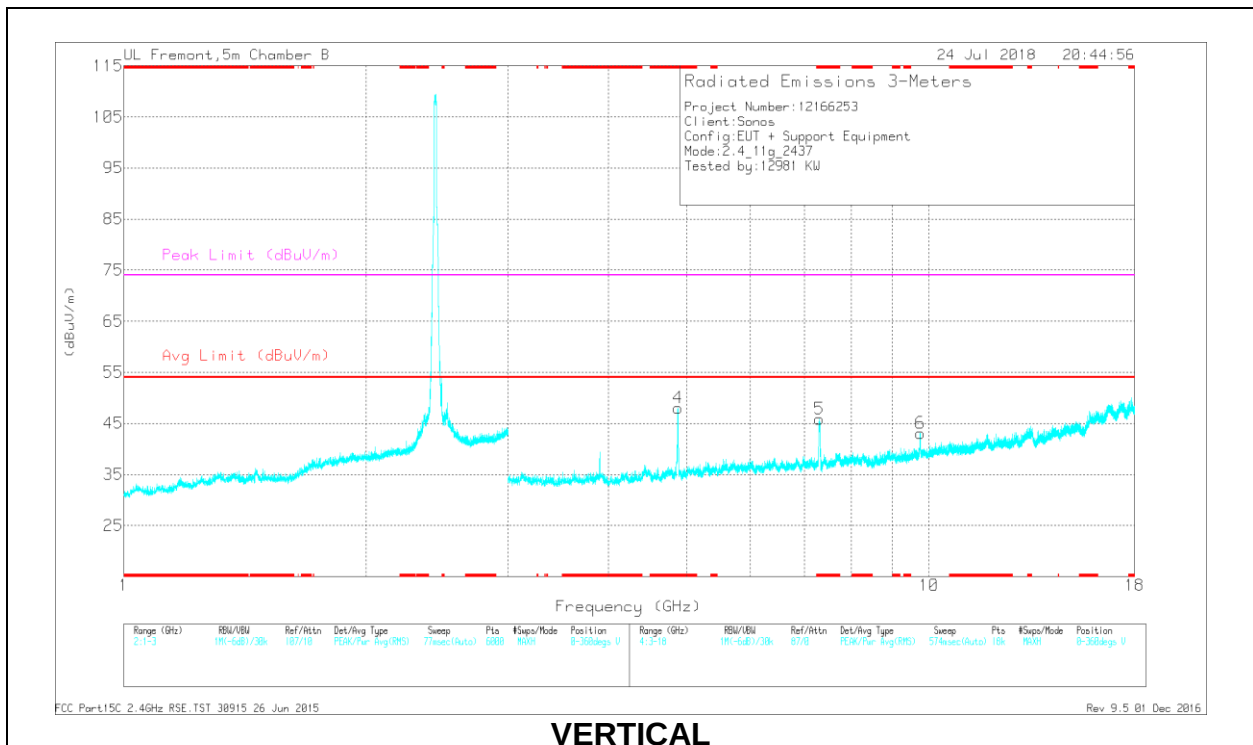
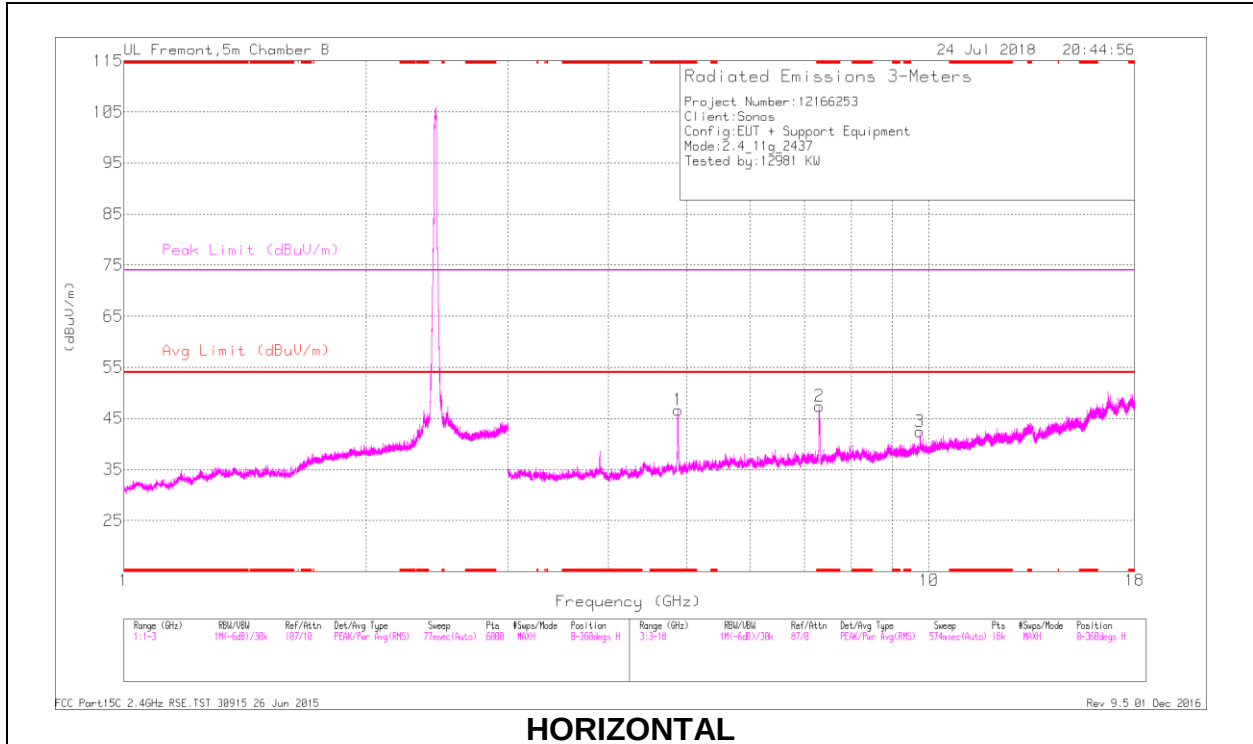
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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
* 4.826	47.14	PK2	34.1	-30.8	0	50.44	-	-	74	-23.56	318	236	H
* 4.826	35.5	MAV1	34.1	-30.8	.31	39.11	54	-14.89	-	-	318	236	H
* 3.859	41	PK2	33.4	-30.8	0	43.6	-	-	74	-30.4	88	186	H
* 3.859	32.5	MAV1	33.4	-30.8	.31	35.41	54	-18.59	-	-	88	186	H
* 4.826	49.9	PK2	34.1	-30.8	0	53.2	-	-	74	-20.8	232	209	V
* 4.827	37.65	MAV1	34.1	-30.8	.31	41.26	54	-12.74	-	-	232	209	V
* 3.859	42.66	PK2	33.4	-30.8	0	45.26	-	-	74	-28.74	230	186	V
* 3.859	35.69	MAV1	33.4	-30.8	.31	38.60	54	-15.40	-	-	230	186	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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	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	* 4.878	43.73	Pk	34.3	-31.4	0	46.63	-	-	74	-27.37	0-360	102	H
2	* 7.308	40.53	Pk	35.9	-29.1	0	47.33	-	-	74	-26.67	0-360	102	H
4	* 4.876	45.04	Pk	34.3	-31.3	0	48.04	-	-	74	-25.96	0-360	101	V
5	* 7.314	38.97	Pk	35.9	-29	0	45.87	-	-	74	-28.13	0-360	199	V
3	9.748	29.87	Pk	37.3	-24.8	0	42.37	-	-	-	-	0-360	102	H
6	9.752	30.55	Pk	37.3	-24.8	0	43.05	-	-	-	-	0-360	101	V

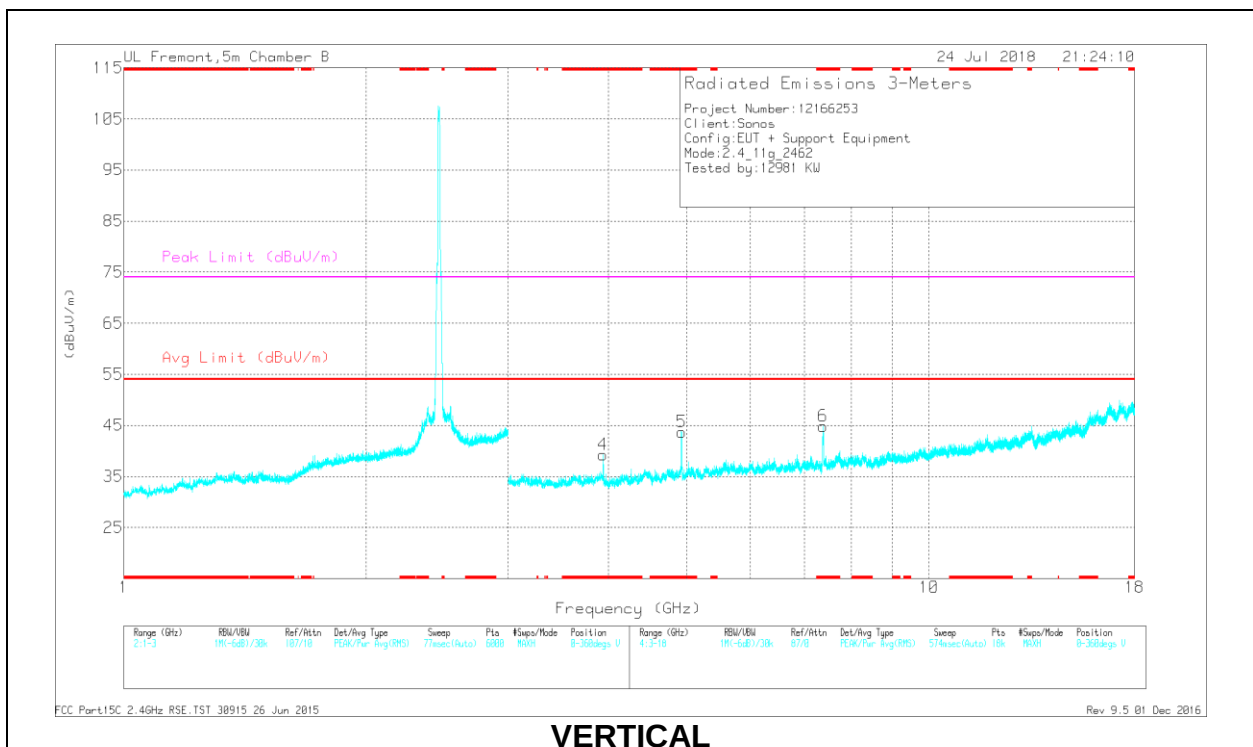
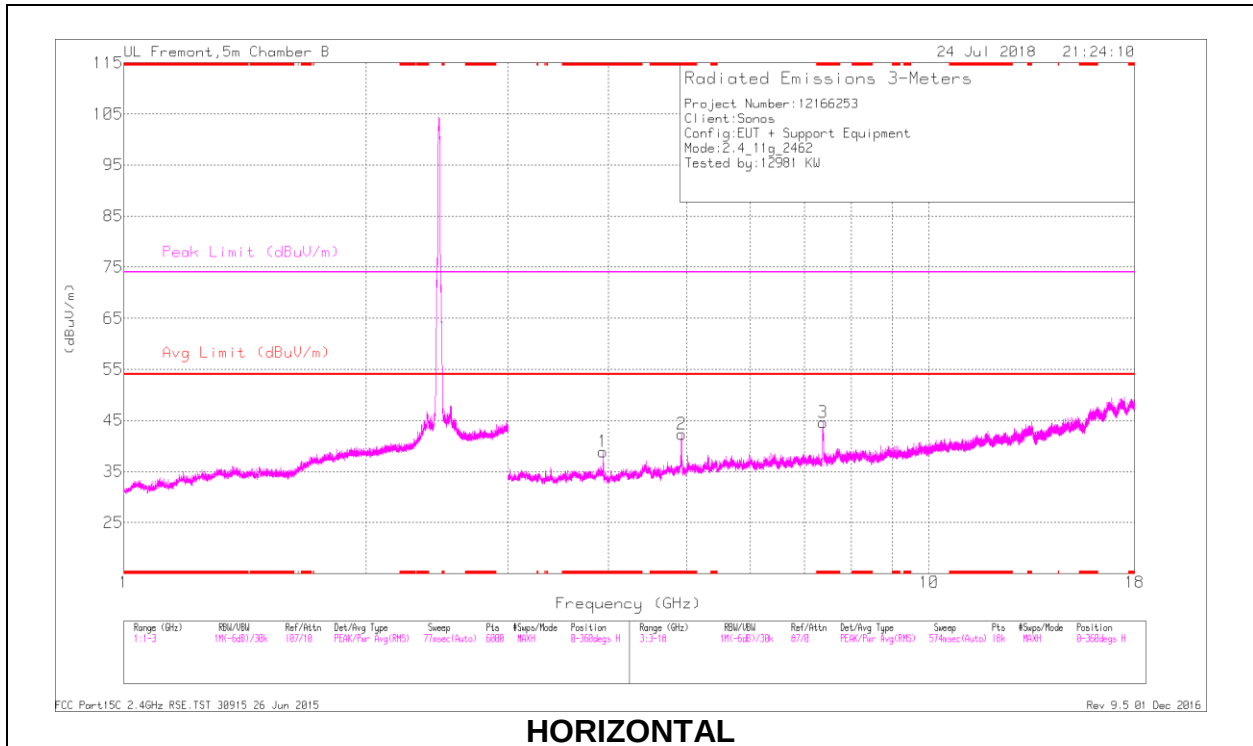
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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
* 4.876	48.6	PK2	34.3	-31.3	0	51.6	-	-	74	-22.4	312	109	H
* 4.878	36.84	MAV1	34.3	-31.4	.31	40.05	54	-13.95	-	-	312	109	H
* 7.309	49.44	PK2	35.9	-29	0	56.34	-	-	74	-17.66	53	182	H
* 7.309	33.79	MAV1	35.9	-29	.31	41.00	54	-13.00	-	-	53	182	H
* 4.876	52.38	PK2	34.3	-31.3	0	55.38	-	-	74	-18.62	238	216	V
* 4.877	41.28	MAV1	34.3	-31.3	.31	44.59	54	-9.41	-	-	238	216	V
* 7.312	46.22	PK2	35.9	-28.9	0	53.22	-	-	74	-20.78	286	400	V
* 7.312	35.05	MAV1	35.9	-28.9	.31	42.36	54	-11.64	-	-	286	400	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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filt/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	* 3.939	36.4	PK	33.4	-30.9	0	38.9	-	-	74	-35.1	0-360	102	H
2	* 4.927	39.28	PK	34.4	-31.4	0	42.28	-	-	74	-31.72	0-360	102	H
3	* 7.382	36.81	PK	36.1	-28.3	0	44.61	-	-	74	-29.39	0-360	199	H
4	* 3.939	36.76	PK	33.4	-30.9	0	39.26	-	-	74	-34.74	0-360	199	V
5	* 4.928	40.71	PK	34.4	-31.4	0	43.71	-	-	74	-30.29	0-360	199	V
6	* 7.389	36.81	PK	36.1	-28.1	0	44.81	-	-	74	-29.19	0-360	199	V

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

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filt/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
* 4.926	48.51	PK2	34.4	-31.4	0	51.51	-	-	74	-22.49	317	102	H
* 4.928	35.36	MAV1	34.4	-31.4	.31	38.67	54	-15.33	-	-	317	102	H
* 3.939	42.98	PK2	33.4	-30.8	0	45.58	-	-	74	-28.42	248	104	H
* 3.939	36.46	MAV1	33.4	-30.9	.31	39.54	54	-14.73	-	-	248	104	H
* 7.384	45.45	PK2	36.1	-28.3	0	53.25	-	-	74	-20.75	53	193	H
* 7.383	32.65	MAV1	36.1	-28.3	.31	40.86	54	-13.24	-	-	53	193	H
* 3.939	43.2	PK2	33.4	-30.9	0	45.7	-	-	74	-28.3	228	150	V
* 3.939	36.9	MAV1	33.4	-30.9	.31	39.71	54	-14.29	-	-	228	150	V
* 4.926	48.67	PK2	34.4	-31.4	0	51.67	-	-	74	-22.33	152	192	V
* 4.927	36.75	MAV1	34.4	-31.4	.31	40.06	54	-13.94	-	-	152	192	V
* 7.391	44.55	PK2	36.1	-28.1	0	52.55	-	-	74	-21.45	353	114	V
* 7.39	32.44	MAV1	36.1	-28.1	.31	40.75	54	-13.25	-	-	353	114	V

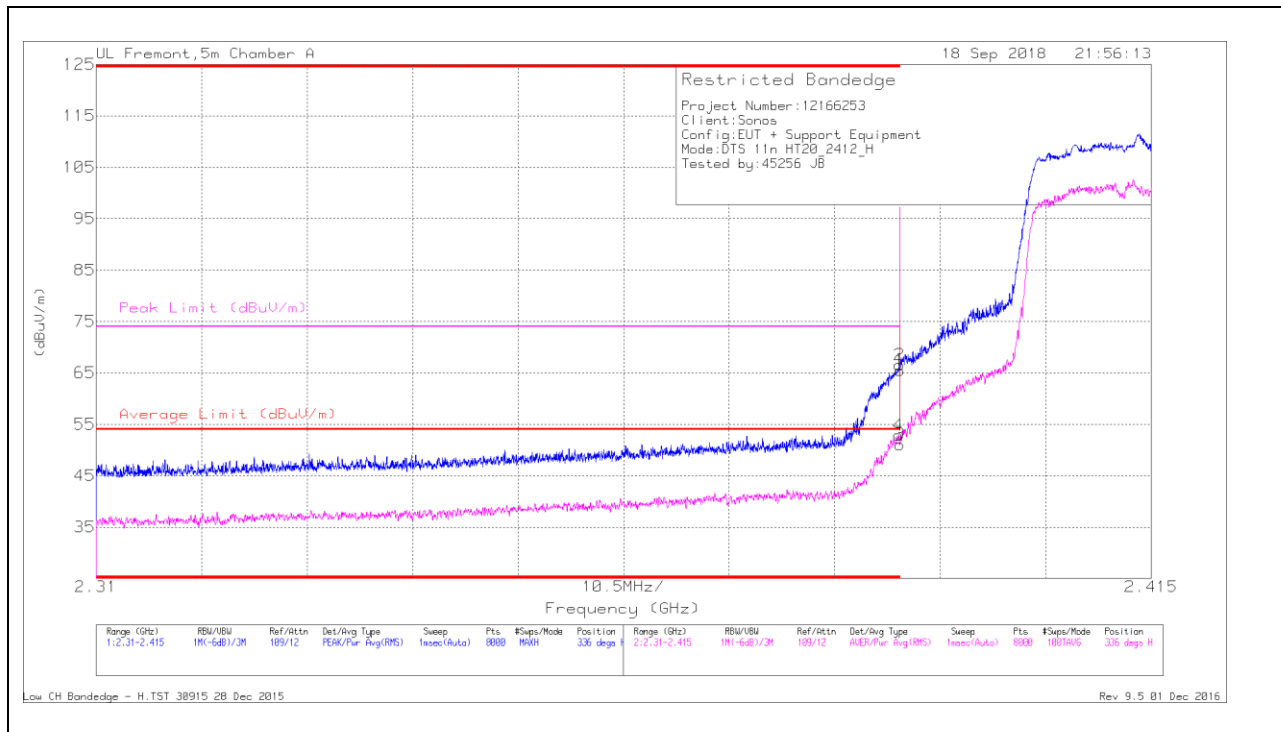
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAV1 - KDB558074 Option 1 Maximum RMS Average

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

3TX CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

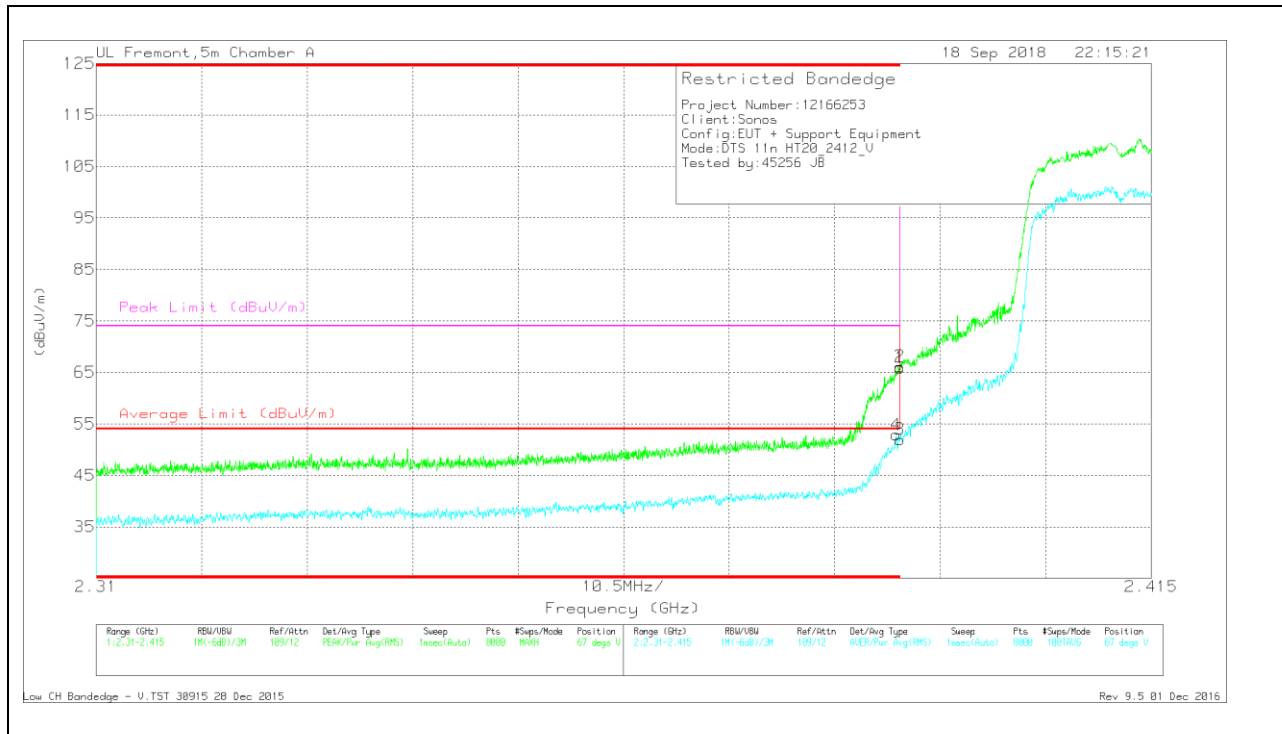
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/CbW/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.72	Pk	31.8	-23	0	65.52	-	-	74	-8.48	336	138	H
2	* 2.39	57.75	Pk	31.8	-23	0	66.55	-	-	74	-7.45	336	138	H
3	* 2.39	42	RMS	31.8	-23	32	51.12	54	-2.88	-	-	336	138	H
4	* 2.39	43.78	RMS	31.8	-23	32	52.9	54	-1.1	-	-	336	138	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (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)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	57.11	Pk	31.8	-23	0	65.91	-	-	74	-8.09	67	118	V
2	* 2.39	57.32	Pk	31.8	-23	0	66.12	-	-	74	-7.88	67	118	V
3	* 2.39	42.85	RMS	31.8	-23	.32	51.97	54	-2.03	-	-	67	118	V
4	* 2.39	43.74	RMS	31.8	-23	.32	52.86	54	-1.14	-	-	67	118	V

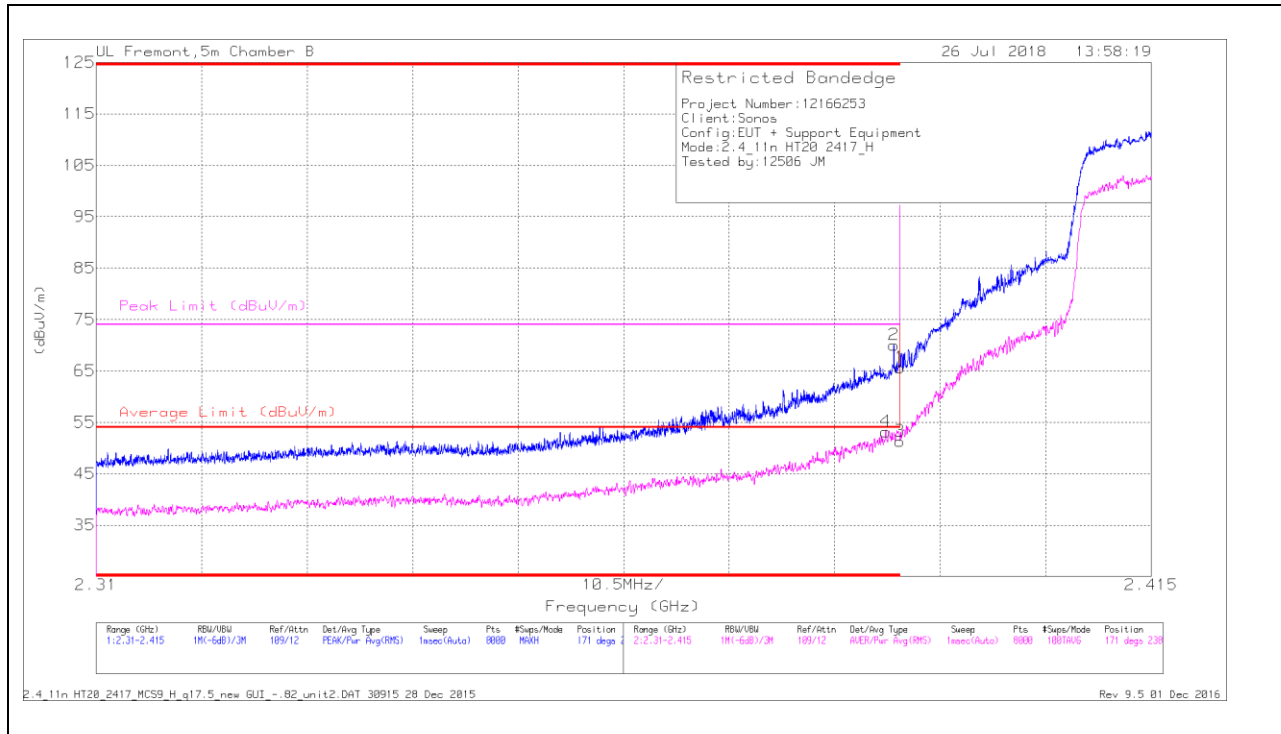
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT



Trace Markers

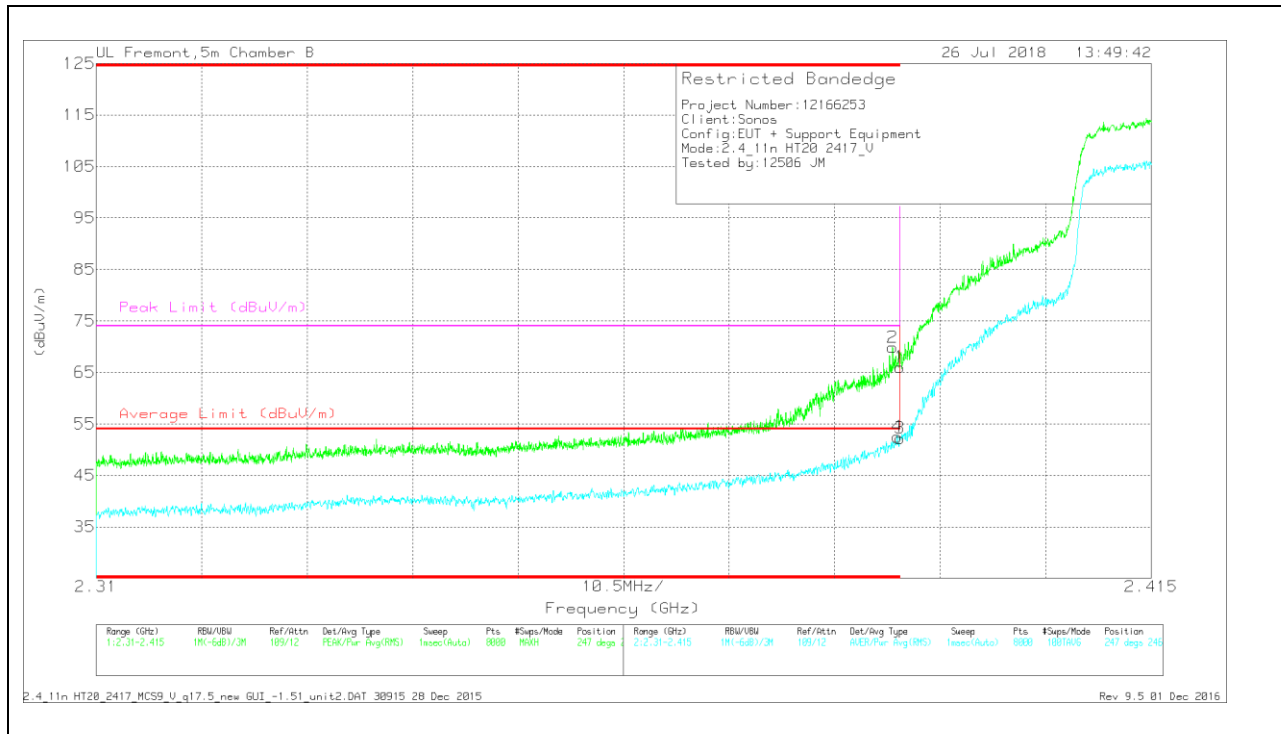
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	54.82	Pk	32.3	-21.5	0	65.62	-	-	74	-8.38	171	238	H
2	* 2.389	59.25	Pk	32.3	-21.5	0	70.05	-	-	74	-3.95	171	238	H
3	* 2.39	40.54	RMS	32.3	-21.5	.32	51.66	54	-2.34	-	-	171	238	H
4	* 2.389	42.38	RMS	32.3	-21.5	.32	53.5	54	-5	-	-	171	238	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.2	Pk	32.3	-21.5	0	66	-	-	74	-8	247	246	V
2	* 2.389	59.07	Pk	32.3	-21.5	0	69.87	-	-	74	-4.13	247	246	V
3	* 2.39	41.42	RMS	32.3	-21.5	.32	52.54	54	-1.46	-	-	247	246	V
4	* 2.39	41.69	RMS	32.3	-21.5	.32	52.81	54	-1.19	-	-	247	246	V

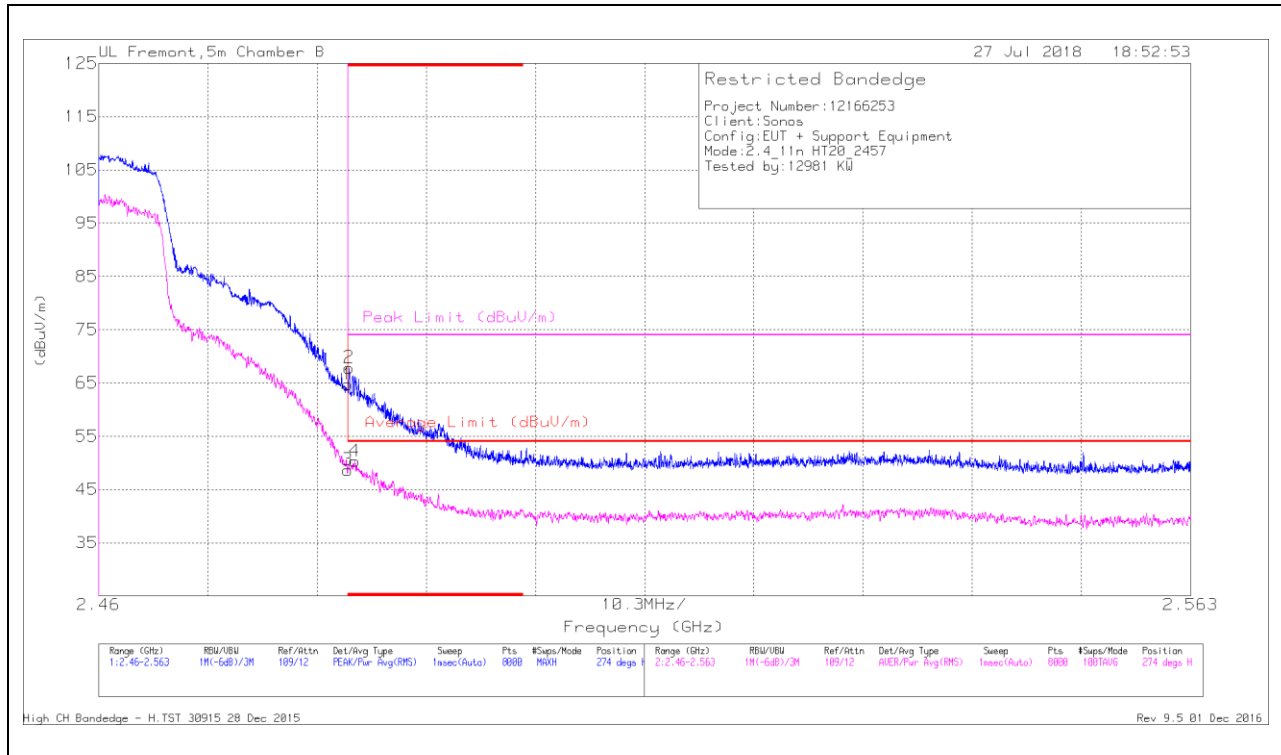
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



Trace Markers

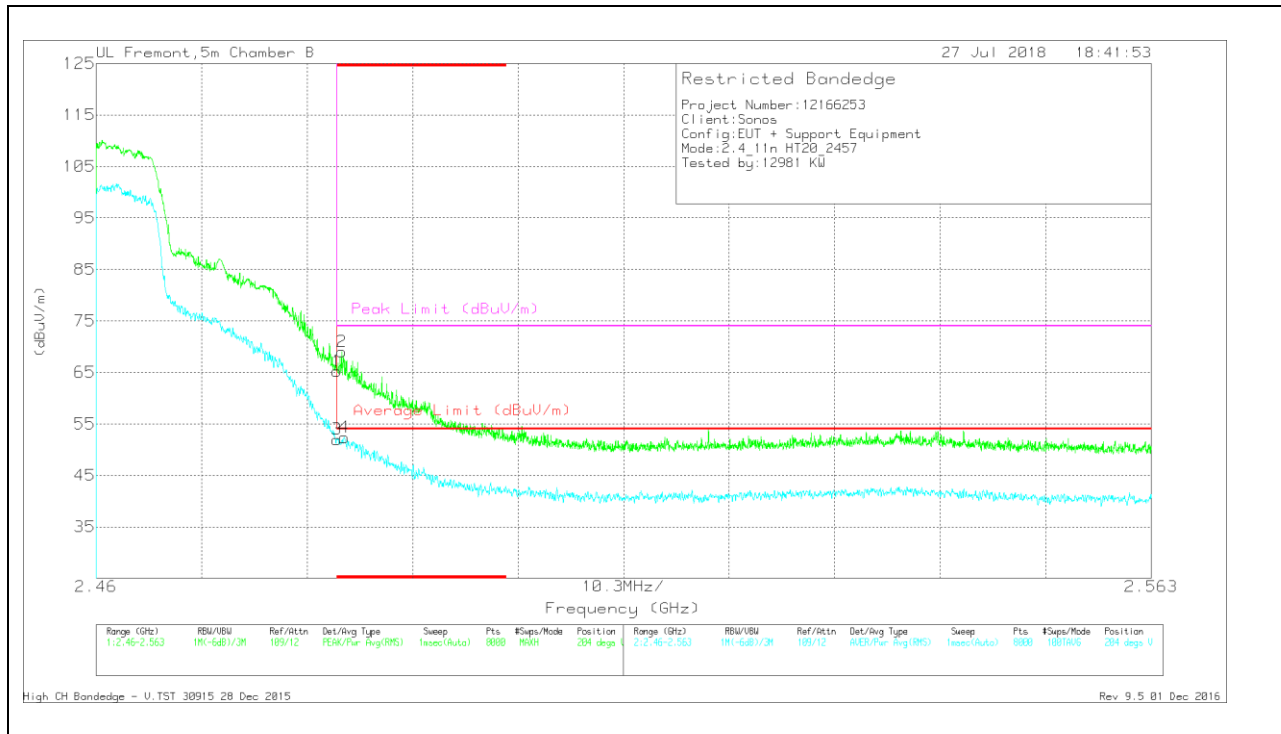
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/CbI/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.65	Pk	32.6	-21.5	0	64.75	-	-	74	-9.25	274	251	H
2	* 2.484	56.74	Pk	32.6	-21.5	0	67.84	-	-	74	-6.16	274	251	H
3	* 2.484	37.24	RMS	32.6	-21.5	.32	48.66	54	-5.34	-	-	274	251	H
4	* 2.484	38.89	RMS	32.6	-21.5	.32	50.31	54	-3.69	-	-	274	251	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.12	Pk	32.6	-21.5	0	65.22	-	-	74	-6.78	204	354	V
2	* 2.484	57.9	Pk	32.6	-21.5	0	69	-	-	74	-5	204	354	V
3	* 2.484	40.55	RMS	32.6	-21.5	.32	51.97	54	-2.03	-	-	204	354	V
4	* 2.484	40.94	RMS	32.6	-21.5	.32	52.36	54	-1.64	-	-	204	354	V

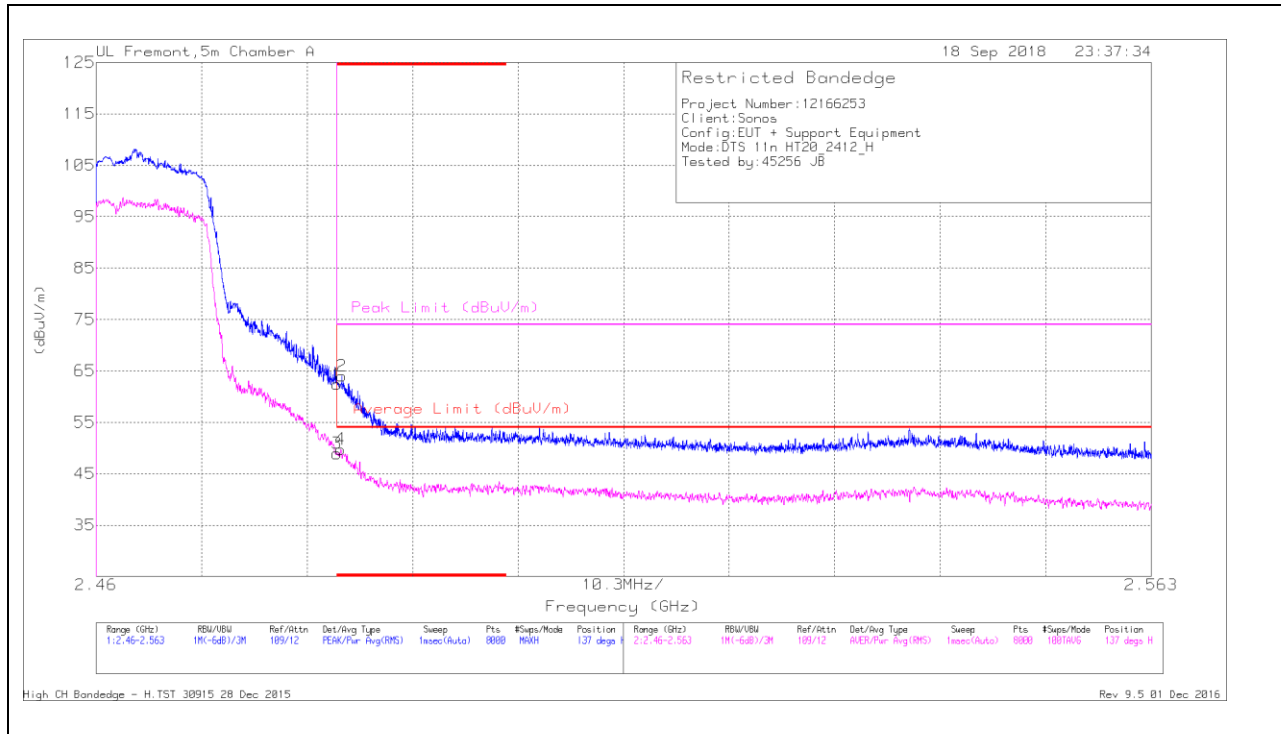
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Trace Markers

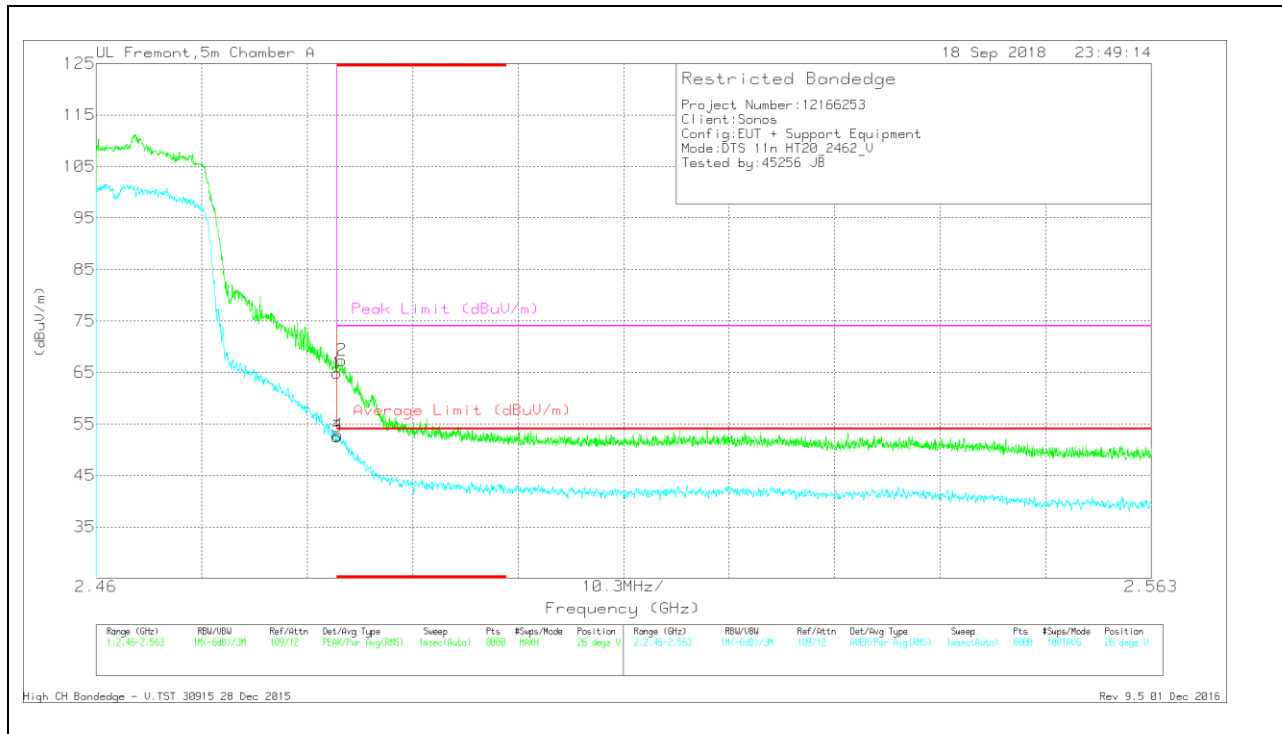
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Ch/IF/Tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.01	Pk	32.3	-22.9	0	62.41	-	-	74	-11.59	137	255	H
2	* 2.484	54.6	Pk	32.3	-22.9	0	64	-	-	74	-10	137	255	H
3	* 2.484	39.22	RMS	32.3	-22.9	32	48.94	54	-5.06	-	-	137	255	H
4	* 2.484	40.03	RMS	32.3	-22.9	32	49.75	54	-4.25	-	-	137	255	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



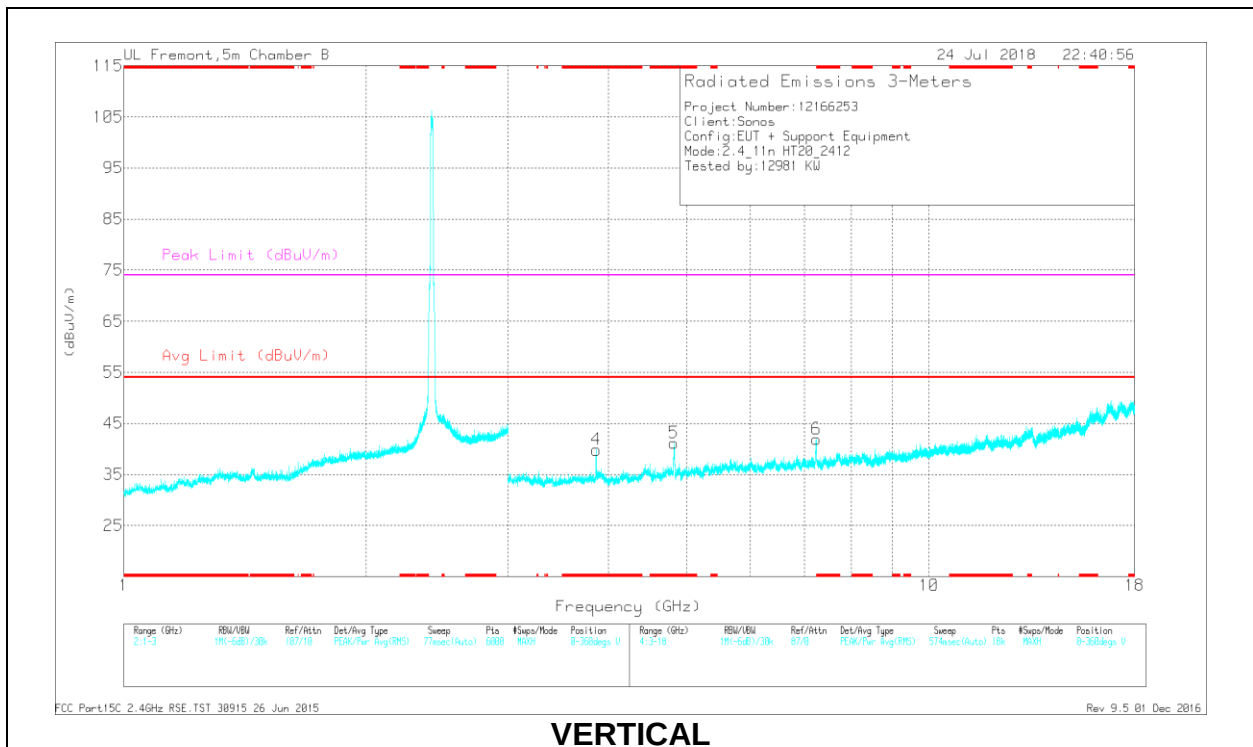
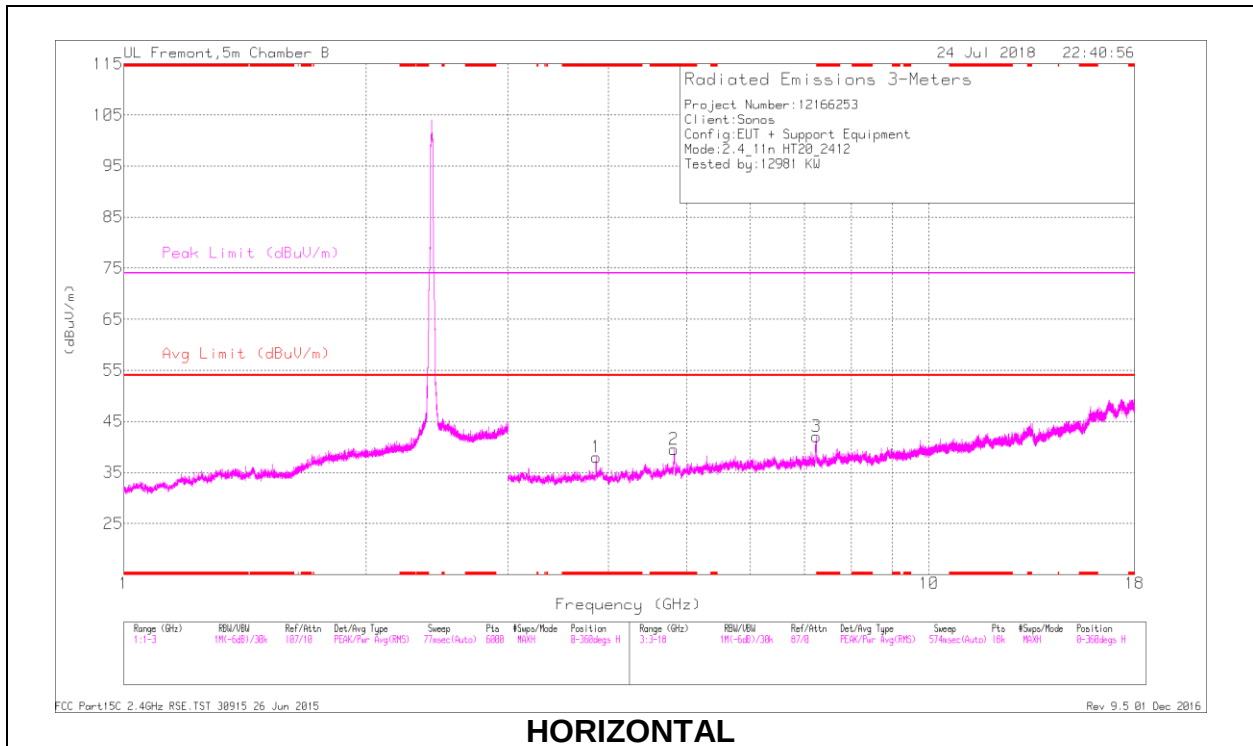
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	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)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.47	Pk	32.3	-22.9	0	64.87	-	-	74	-9.13	26	223	V
2	* 2.484	57.96	Pk	32.3	-22.9	0	67.36	-	-	74	-6.64	26	223	V
3	* 2.484	42.81	RMS	32.3	-22.9	32	52.53	54	-1.47	-	-	26	223	V
4	* 2.484	43.12	RMS	32.3	-22.9	32	52.84	54	-1.16	-	-	26	223	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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	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	* 3.859	35.35	Pk	33.4	-30.8	0	37.95	-	-	74	-36.05	0-360	102	H
2	* 4.819	36.04	Pk	34.1	-30.6	0	39.54	-	-	74	-34.46	0-360	102	H
4	* 3.859	37.23	Pk	33.4	-30.8	0	39.83	-	-	74	-34.17	0-360	102	V
5	* 4.825	37.84	Pk	34.1	-30.8	0	41.14	-	-	74	-32.86	0-360	199	V
3	7.242	34.95	Pk	35.9	-28.8	0	42.05	-	-	-	-	0-360	199	H
6	7.242	34.82	Pk	35.9	-28.8	0	41.92	-	-	-	-	0-360	102	V

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

Pk - Peak detector

Radiated Emissions

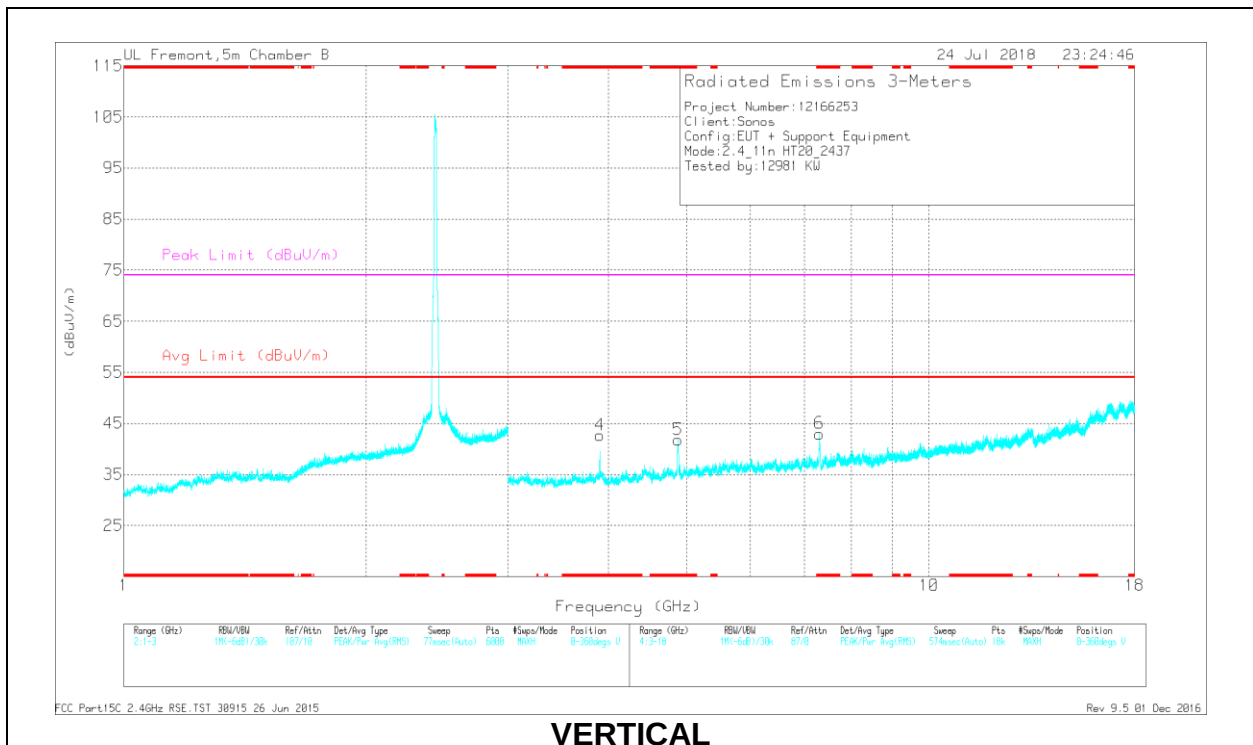
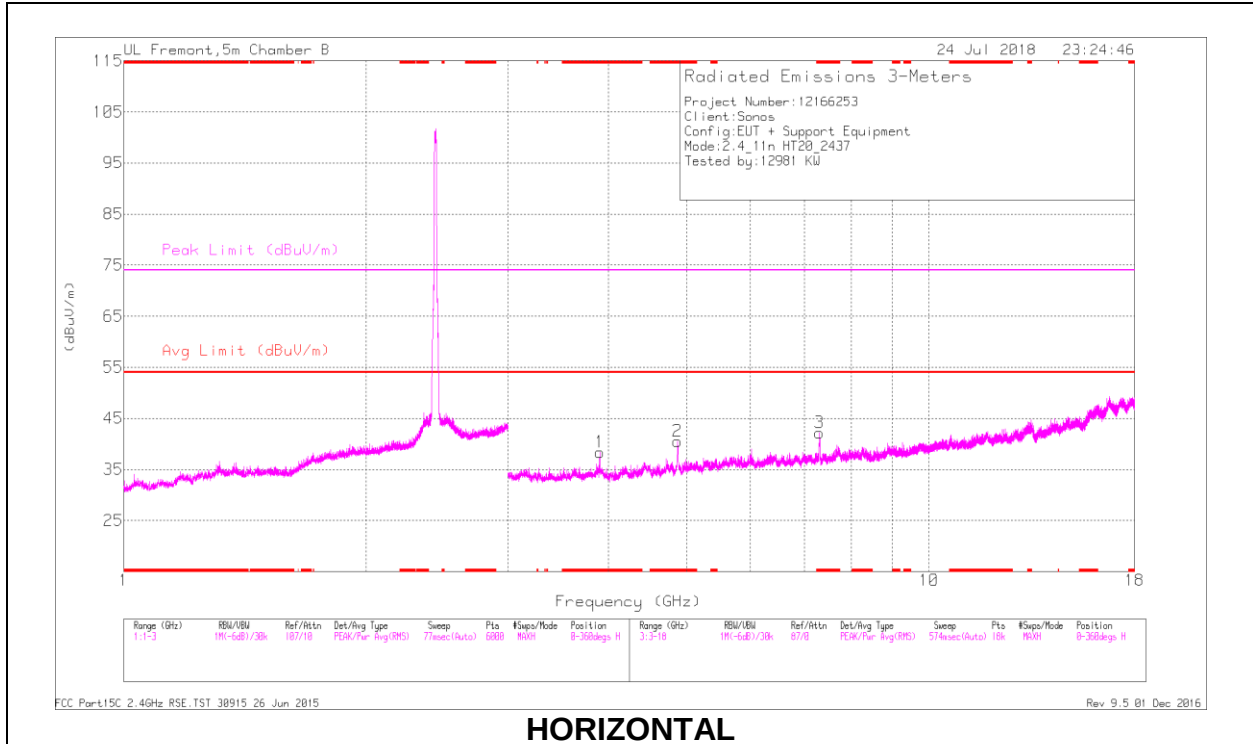
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.859	41.74	PK2	33.4	-30.8	0	44.34	-	-	74	-29.66	252	107	H
	* 3.859	34.62	MAv1	33.4	-30.8	.32	37.54	54	-16.46	-	-	252	107	H
2	* 4.82	41.72	PK2	34.1	-30.6	0	45.22	-	-	74	-28.78	315	135	H
	* 4.821	29.94	MAv1	34.1	-30.7	.32	33.66	54	-20.34	-	-	315	135	H
4	* 3.859	42.49	PK2	33.4	-30.8	0	45.09	-	-	74	-28.91	61	259	V
	* 3.859	36	MAv1	33.4	-30.8	.32	38.92	54	-15.08	-	-	61	259	V
5	* 4.826	46.11	PK2	34.1	-30.8	0	49.41	-	-	74	-24.59	215	179	V
	* 4.824	33.95	MAv1	34.1	-30.8	.32	37.57	54	-16.43	-	-	215	179	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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	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	* 3.899	35.14	Pk	33.4	-30.2	0	38.34	-	-	74	-35.66	0-360	102	H
2	* 4.875	37.56	Pk	34.3	-31.3	0	40.56	-	-	74	-33.44	0-360	199	H
3	* 7.308	35.4	Pk	35.9	-29.1	0	42.2	-	-	74	-31.8	0-360	199	H
4	* 3.899	39.53	Pk	33.4	-30.2	0	42.73	-	-	74	-31.27	0-360	200	V
5	* 4.877	38.8	Pk	34.3	-31.3	0	41.8	-	-	74	-32.2	0-360	200	V
6	* 7.309	36.1	Pk	35.9	-29	0	43	-	-	74	-31	0-360	200	V

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

Pk - Peak detector

Radiated Emissions

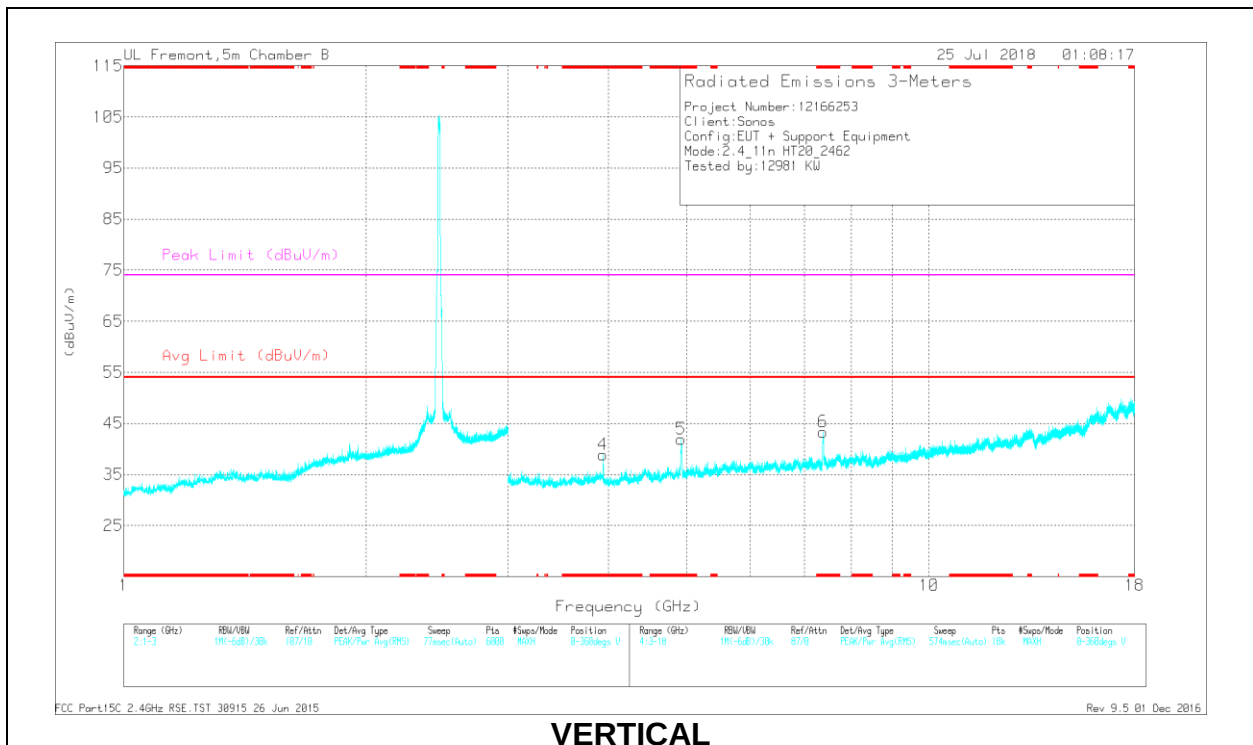
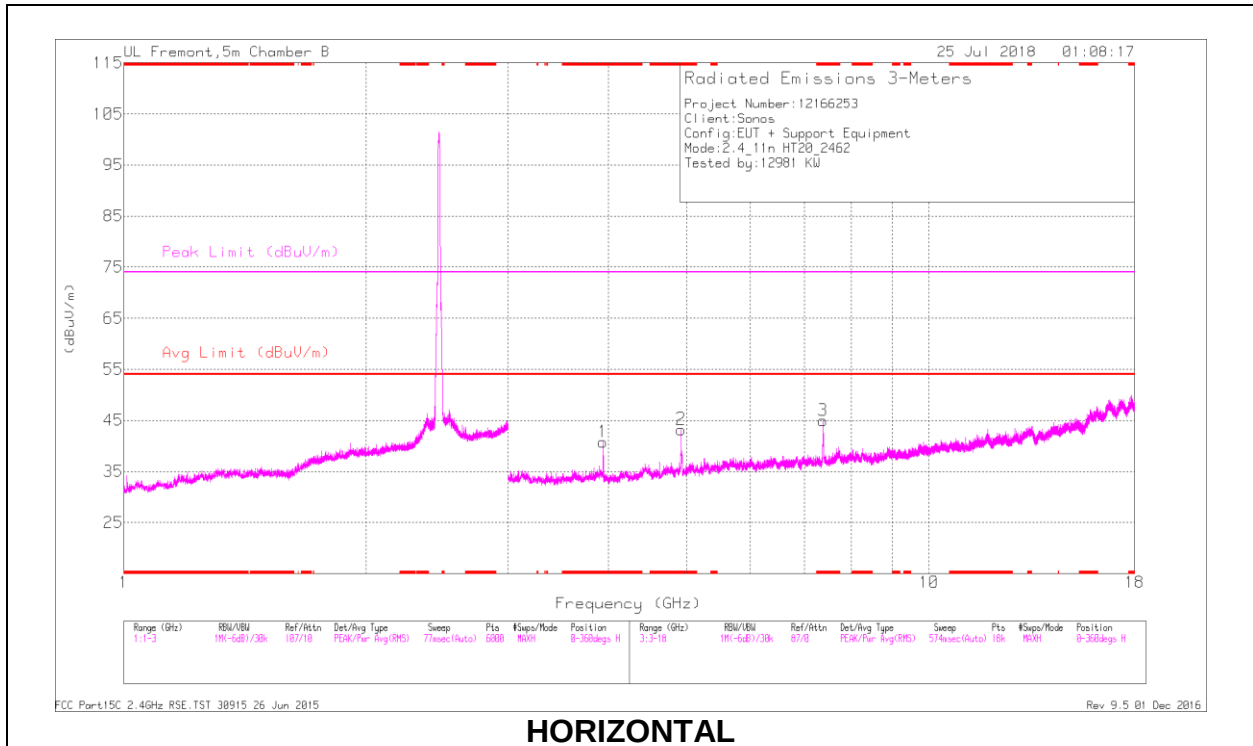
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.899	41.92	PK2	33.4	-30.2	0	45.12	-	-	74	-28.88	249	103	H
	* 3.899	34.43	MAv1	33.4	-30.2	.32	37.95	54	-16.05	-	-	249	103	H
2	* 4.875	44.83	PK2	34.3	-31.3	0	47.83	-	-	74	-26.17	149	194	H
	* 4.875	32.98	MAv1	34.3	-31.3	.32	36.3	54	-17.7	-	-	149	194	H
3	* 7.307	43.49	PK2	35.9	-29.1	0	50.29	-	-	74	-23.71	57	183	H
	* 7.309	31.52	MAv1	35.9	-29	.32	38.74	54	-15.26	-	-	57	183	H
4	* 3.899	41.56	PK2	33.4	-30.2	0	44.76	-	-	74	-29.24	279	202	V
	* 3.899	34.24	MAv1	33.4	-30.2	.32	37.76	54	-16.24	-	-	279	202	V
5	* 4.876	47.05	PK2	34.3	-31.3	0	50.05	-	-	74	-23.95	240	203	V
	* 4.875	35.4	MAv1	34.3	-31.3	.32	38.72	54	-15.28	-	-	240	203	V
6	* 7.309	41.7	PK2	35.9	-29	0	48.6	-	-	74	-25.4	341	122	V
	* 7.308	30.18	MAv1	35.9	-29.1	.32	37.3	54	-16.7	-	-	341	122	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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	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	* 3.939	38.3	Pk	33.4	-30.9	0	40.8	-	-	74	-33.2	0-360	102	H
2	* 4.925	40.25	Pk	34.4	-31.4	0	43.25	-	-	74	-30.75	0-360	199	H
3	* 7.386	37.12	Pk	36.1	-28.3	0	44.92	-	-	74	-29.08	0-360	102	H
4	* 3.939	36.36	Pk	33.4	-30.9	0	38.86	-	-	74	-35.14	0-360	200	V
5	* 4.923	38.91	Pk	34.4	-31.4	0	41.91	-	-	74	-32.09	0-360	200	V
6	* 7.391	35.34	Pk	36.1	-28.1	0	43.34	-	-	74	-30.66	0-360	200	V

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

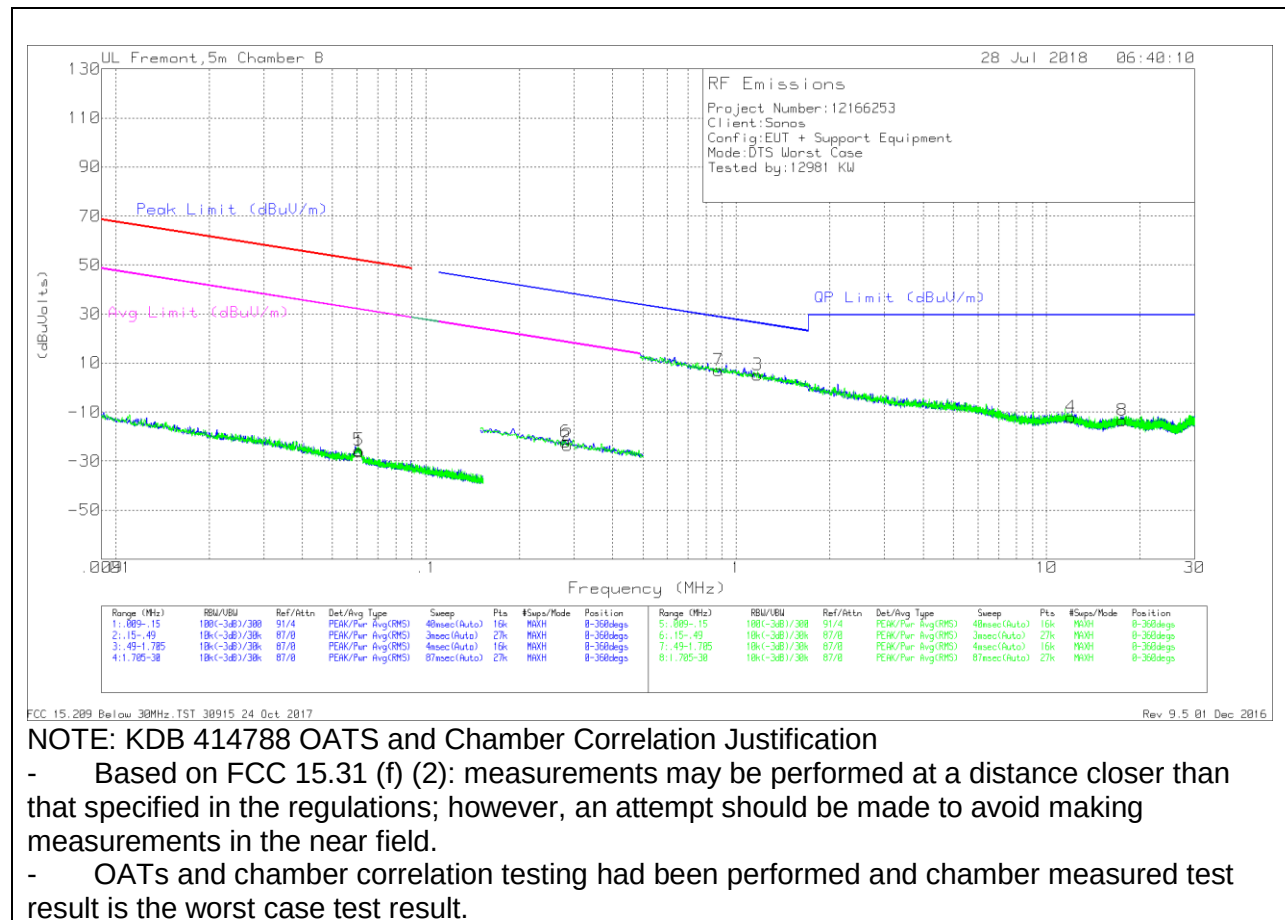
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	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	* 3.939	41.58	PK2	33.4	-30.9	0	44.08	-	-	74	-29.92	247	102	H
	* 3.939	34.8	MAv1	33.4	-30.9	.32	37.62	54	-16.38	-	-	247	102	H
2	* 4.924	43.11	PK2	34.4	-31.4	0	46.11	-	-	74	-27.89	89	213	H
	* 4.924	31.29	MAv1	34.4	-31.4	.32	34.61	54	-19.39	-	-	89	213	H
3	* 7.386	38.21	PK2	36.1	-28.3	0	46.01	-	-	74	-27.99	112	218	H
	* 7.386	27.19	MAv1	36.1	-28.2	.32	35.41	54	-18.59	-	-	112	218	H
4	* 3.939	42.35	PK2	33.4	-30.9	0	44.85	-	-	74	-29.15	228	167	V
	* 3.939	36.43	MAv1	33.4	-30.9	.32	39.25	54	-14.75	-	-	228	167	V
5	* 4.924	44.45	PK2	34.4	-31.4	0	47.45	-	-	74	-26.55	238	196	V
	* 4.924	33.52	MAv1	34.4	-31.4	.32	36.84	54	-17.16	-	-	238	196	V
6	* 7.39	43.11	PK2	36.1	-28.1	0	51.11	-	-	74	-22.89	350	132	V
	* 7.389	30.58	MAv1	36.1	-28.1	.32	38.9	54	-15.1	-	-	350	132	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 30 MHz

SPURIOUS EMISSIONS 9 kHz TO 30 MHz (WORST-CASE CONFIGURATION)



Below 30 MHz Data

Trace Markers

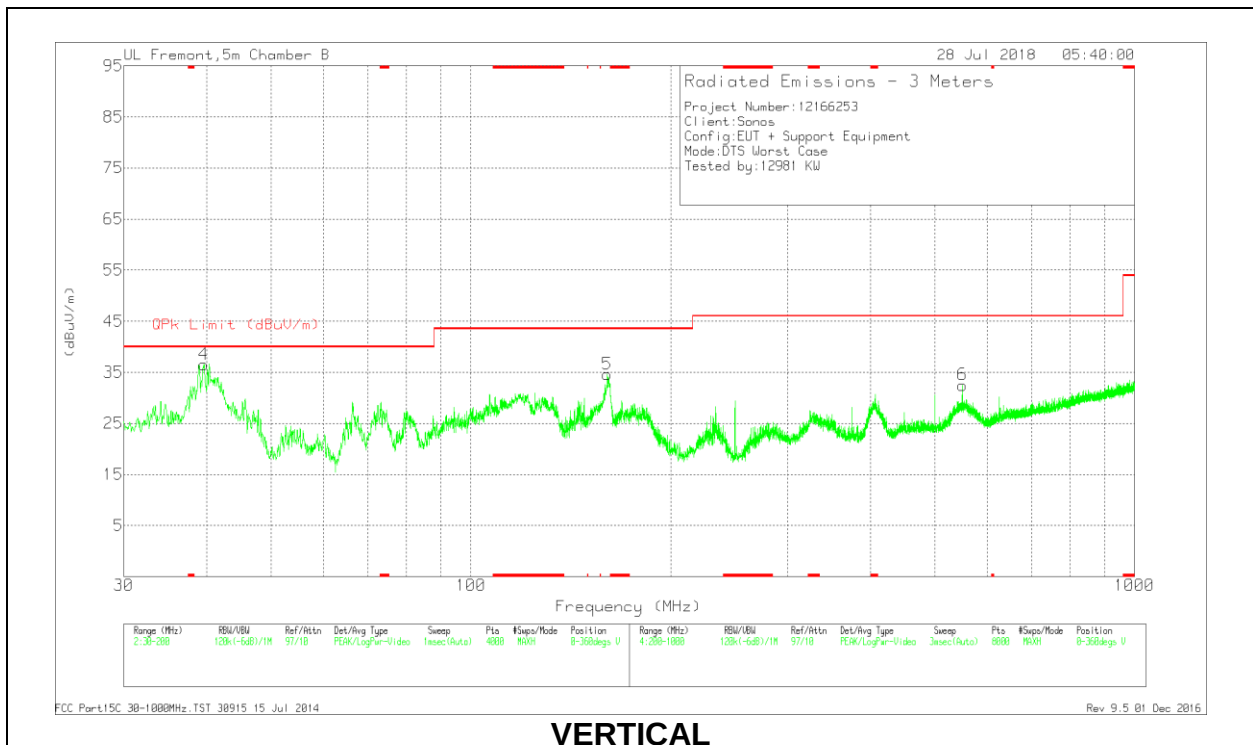
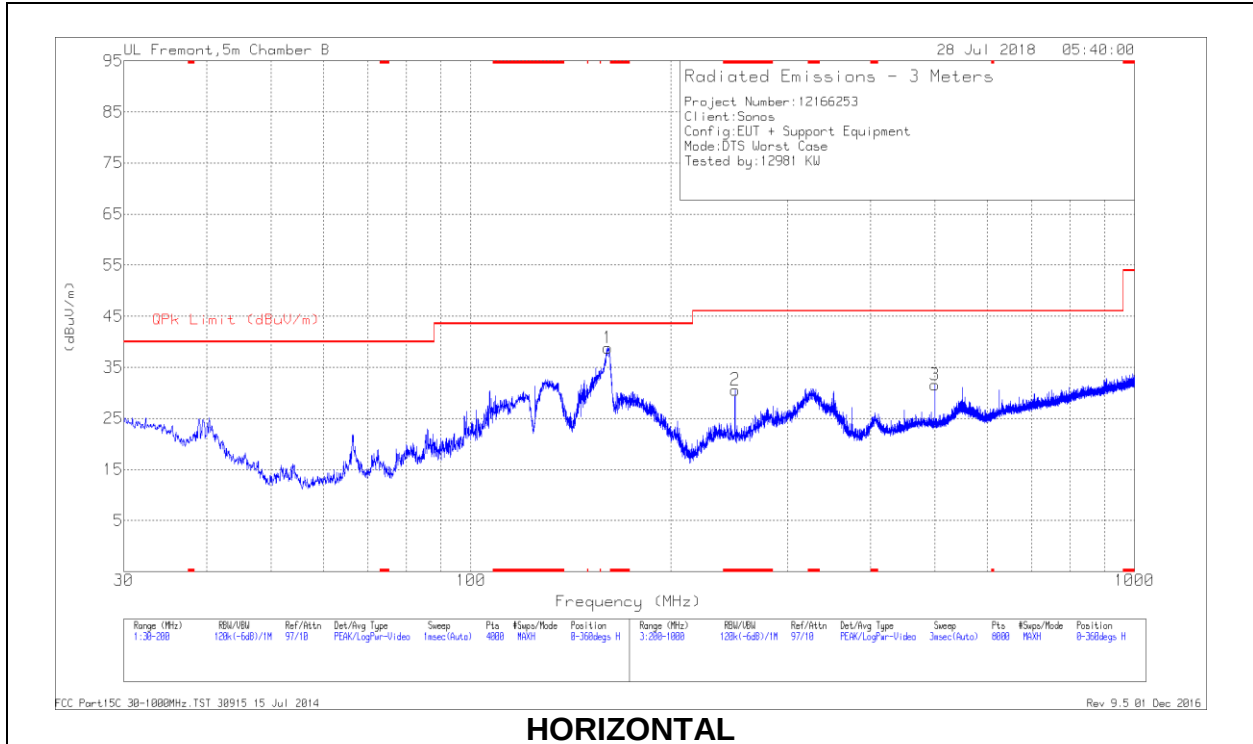
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuV/dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	.06076	38.56	Pk	14.5	1.4	-80	-25.54	51.91	-77.45	31.91	-57.45	0-360
1	.06106	37.8	Pk	14.5	1.4	-80	-26.3	51.87	-78.17	31.87	-58.17	0-360
6	.28198	42.52	Pk	13.8	1.5	-80	-22.18	38.61	-60.79	18.61	-40.79	0-360
2	.28624	41.17	Pk	13.8	1.5	-80	-23.53	38.48	-62.01	18.48	-42.01	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuV/dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
7	.87623	31.37	Pk	14.1	1.5	-40	6.97	28.77	-21.8	0-360
3	1.17062	29.4	Pk	14.3	1.5	-40	5.2	26.26	-21.06	0-360
4	11.97907	11.54	Pk	14.7	1.6	-40	-12.16	29.5	-41.66	0-360
8	17.55076	10.45	Pk	14.6	1.6	-40	-13.35	29.5	-42.85	0-360

Pk - Peak detector

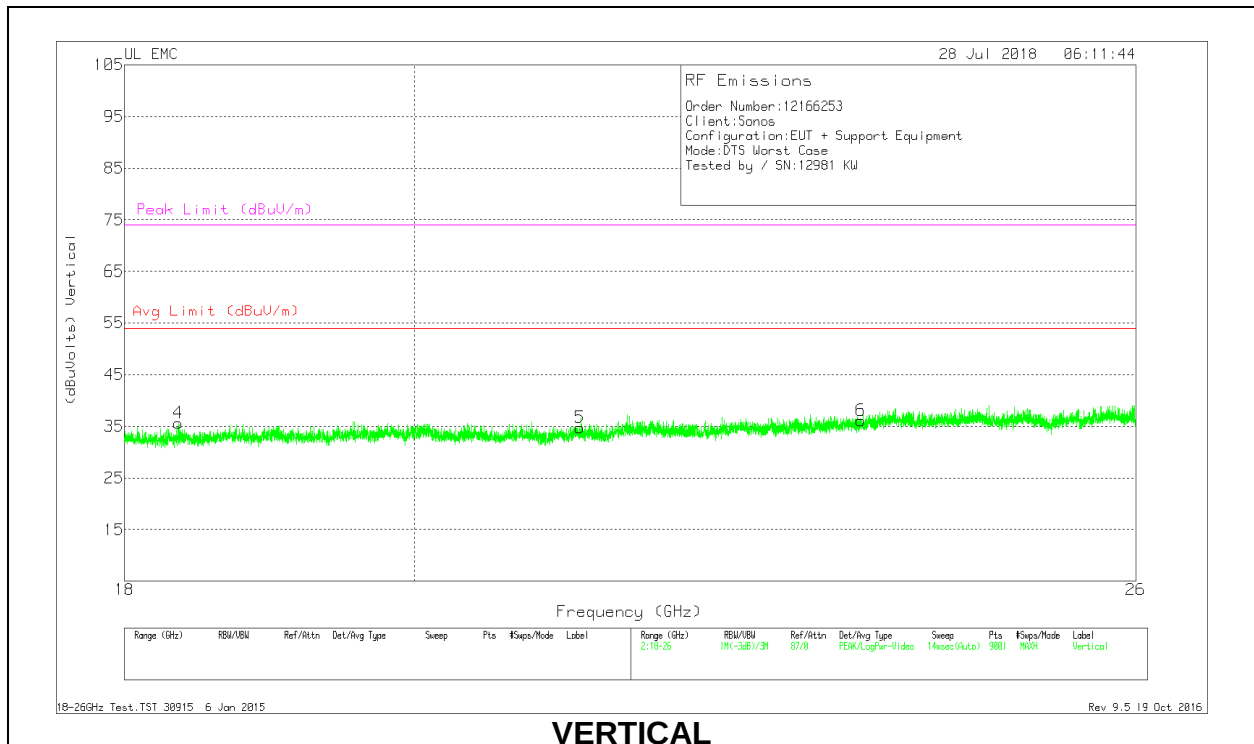
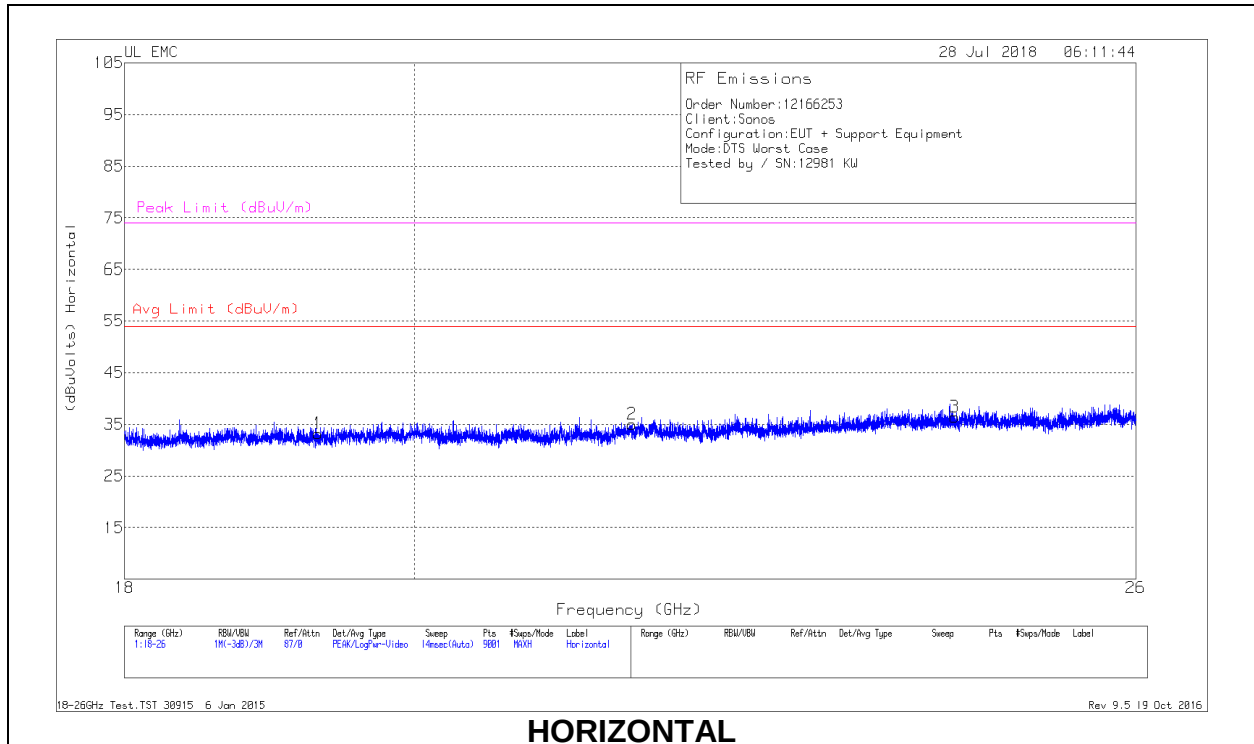
9.3. Worst Case Below 1 GHz



Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 250.0065	41.41	Pk	15.5	-26.3	30.61	46.02	-15.41	0-360	100	H
4	39.6075	46.93	Pk	18.3	-28.7	36.53	40	-3.47	0-360	100	V
5	160.5513	45.66	Pk	16.2	-27.2	34.66	43.52	-8.86	0-360	100	V
1	160.9339	49.78	Pk	16.2	-27.2	38.78	43.52	-4.74	0-360	200	H
3	500.039	35.82	Pk	21.7	-25.9	31.62	46.02	-14.4	0-360	200	H
6	550.0455	36.02	Pk	22.3	-25.8	32.52	46.02	-13.5	0-360	200	V

9.4. Worst Case 18-26 GHz



18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T89 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.312	35.36	Pk	32.4	-25.1	-9.5	33.16	54	-20.84	74	-40.84
2	21.649	36.48	Pk	33.2	-25.2	-9.5	34.98	54	-19.02	74	-39.02
3	24.342	36.82	Pk	33.7	-24.6	-9.5	36.42	54	-17.58	74	-37.58
4	18.356	37.93	Pk	32.4	-25.2	-9.5	35.63	54	-18.37	74	-38.37
5	21.241	36.36	Pk	33.2	-25.3	-9.5	34.76	54	-19.24	74	-39.24
6	23.528	36.92	Pk	33.3	-24.6	-9.5	36.12	54	-17.88	74	-37.88

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

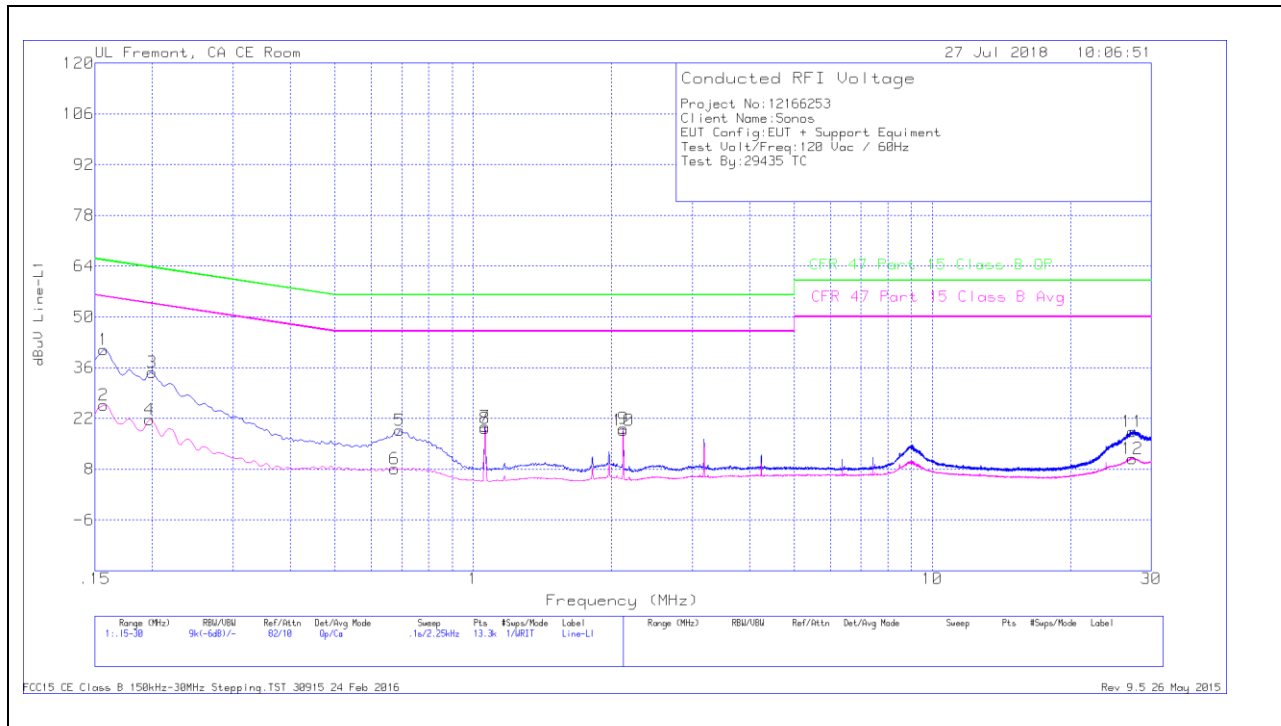
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

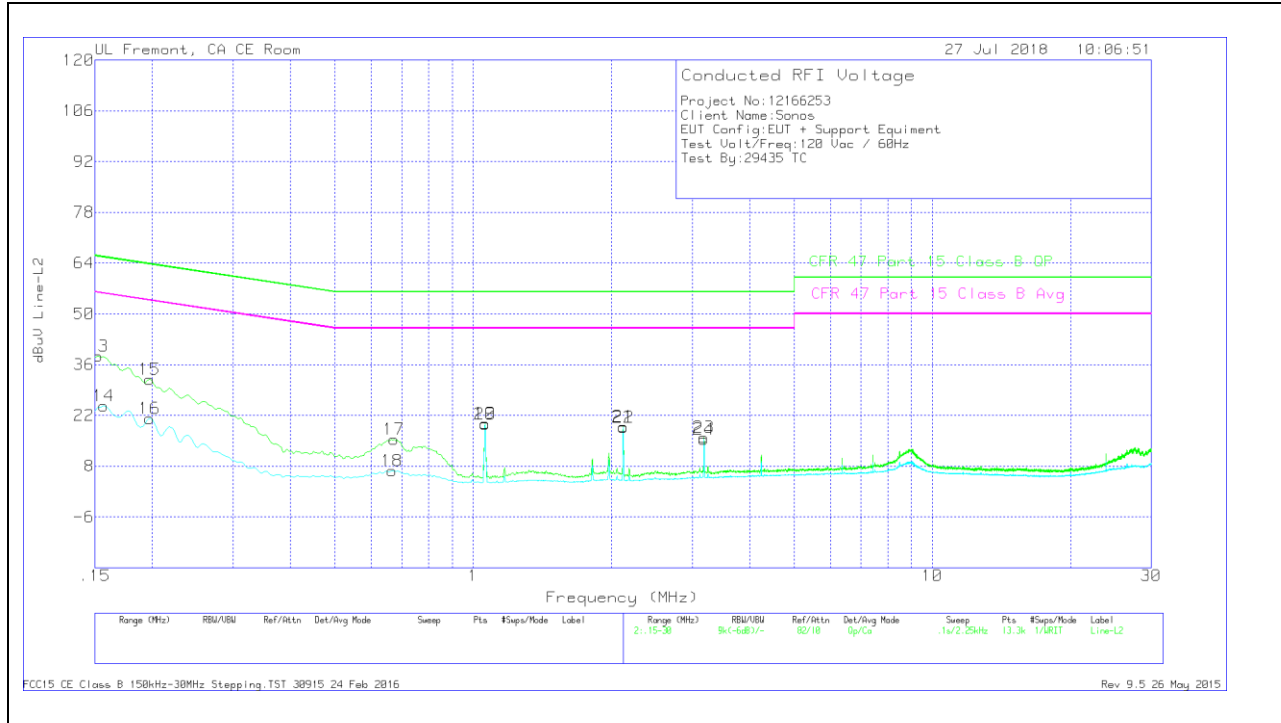


Trace Markers

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	.15675	30.75	Qp	.1	0	10.1	40.95	65.63	-24.68	-	-
2	.15675	15.52	Ca	.1	0	10.1	25.72	-	-	55.63	-29.91
3	.1995	24.53	Qp	0	0	10.1	34.63	63.63	-29	-	-
4	.19725	11.61	Ca	0	0	10.1	21.71	-	-	53.73	-32.02
5	.69225	8.68	Qp	0	0	10.1	18.78	56	-37.22	-	-
6	.67425	-2.03	Ca	0	0	10.1	8.07	-	-	46	-37.93
7	1.06125	9.49	Qp	0	.1	10.1	19.69	56	-36.31	-	-
8	1.06125	9.01	Ca	0	.1	10.1	19.21	-	-	46	-26.79
9	2.121	9.02	Qp	0	.1	10.1	19.22	56	-36.78	-	-
10	2.121	8.48	Ca	0	.1	10.1	18.68	-	-	46	-27.32
11	27.2715	7.39	Qp	.1	.4	10.5	18.39	60	-41.61	-	-
12	27.2805	-1.16	Ca	.1	.4	10.5	10.84	-	-	50	-39.16

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	.15225	28.21	Qp	.1	0	10.1	38.41	65.88	-27.47	-	-
14	.15675	14.39	Ca	.1	0	10.1	24.59	-	-	55.63	-31.04
15	.19725	21.87	Qp	0	0	10.1	31.97	63.73	-31.76	-	-
16	.19725	11.11	Ca	0	0	10.1	21.21	-	-	53.73	-32.52
17	.672	5.29	Qp	0	0	10.1	15.39	56	-40.61	-	-
18	.66525	-3.35	Ca	0	0	10.1	6.75	-	-	46	-39.25
19	1.06125	9.49	Qp	0	.1	10.1	19.69	56	-36.31	-	-
20	1.06125	9.36	Ca	0	.1	10.1	19.56	-	-	46	-26.44
21	2.121	8.76	Qp	0	.1	10.1	18.96	56	-37.04	-	-
22	2.121	8.54	Ca	0	.1	10.1	18.74	-	-	46	-27.26
23	3.183	5.78	Qp	0	.1	10.1	15.98	56	-40.02	-	-
24	3.183	5.15	Ca	0	.1	10.1	15.35	-	-	46	-30.65

Qp - Quasi-Peak detector
Ca - CISPR average detection