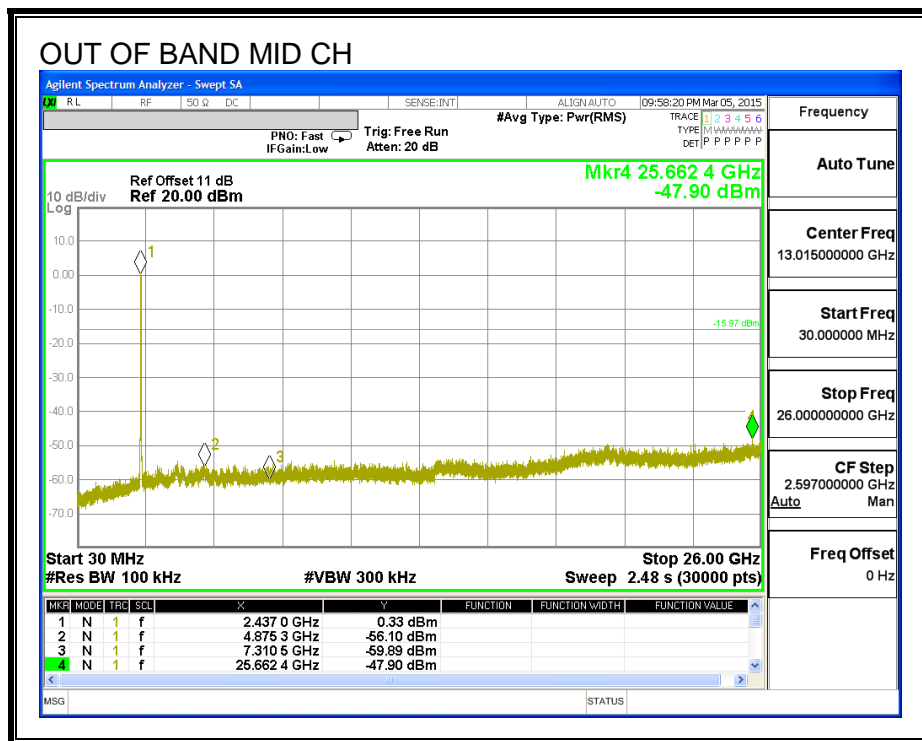
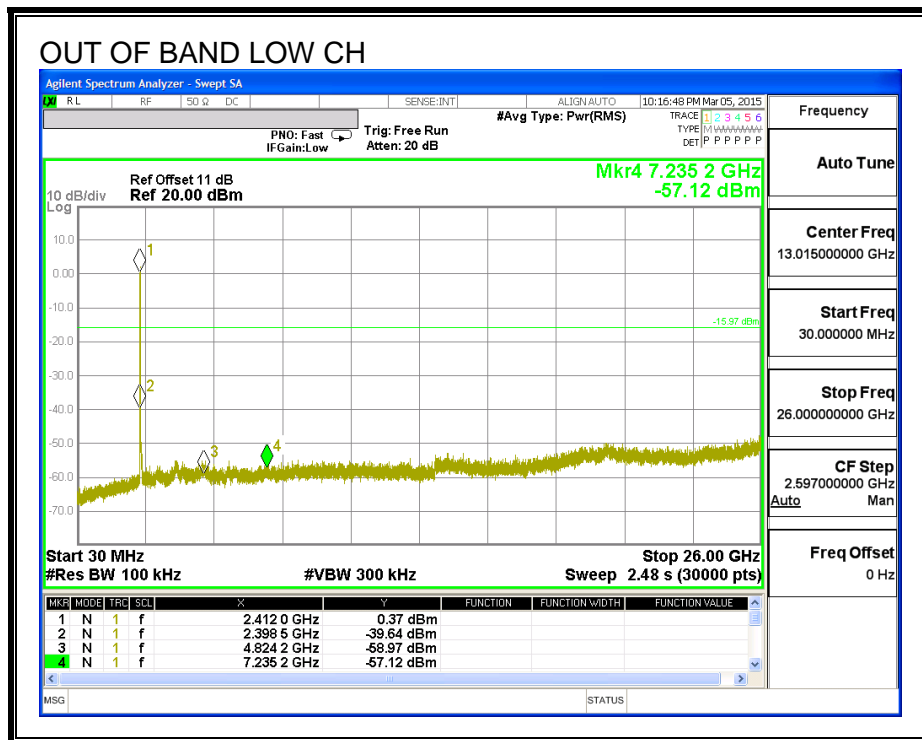
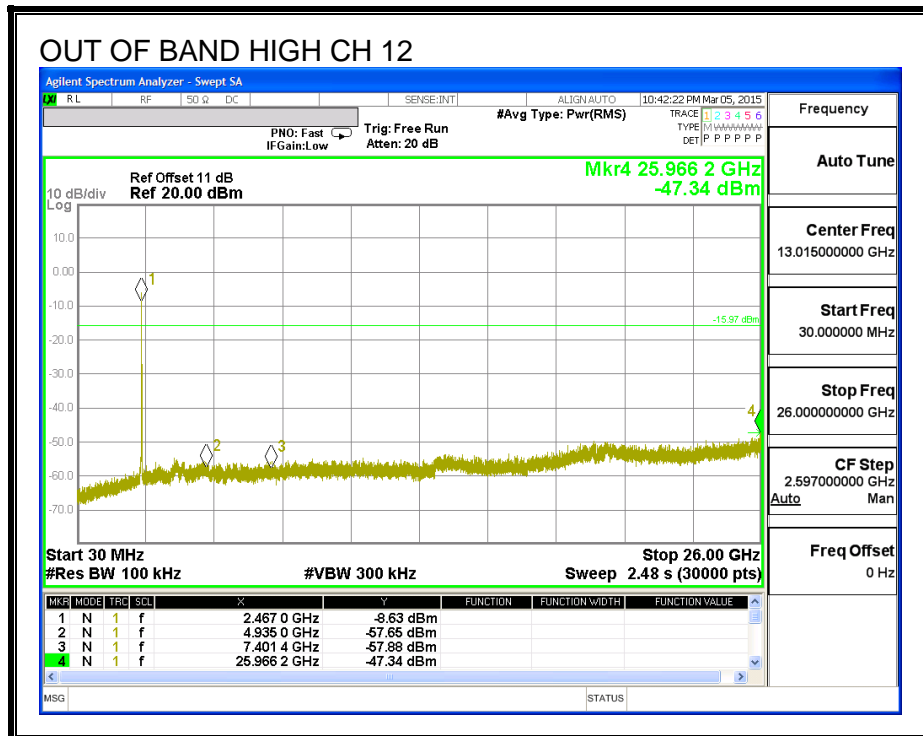
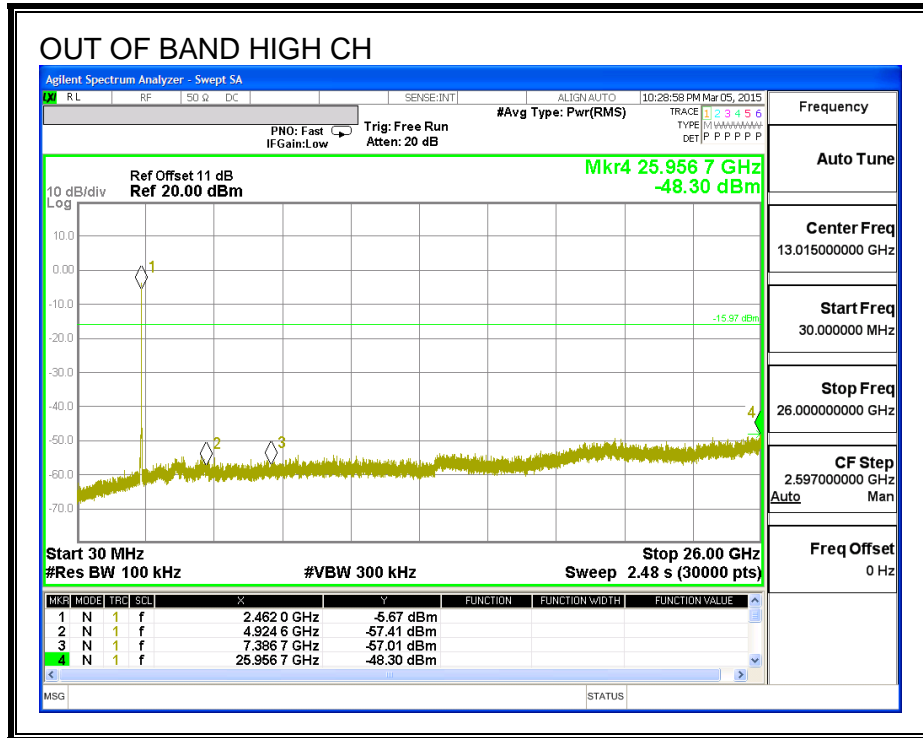
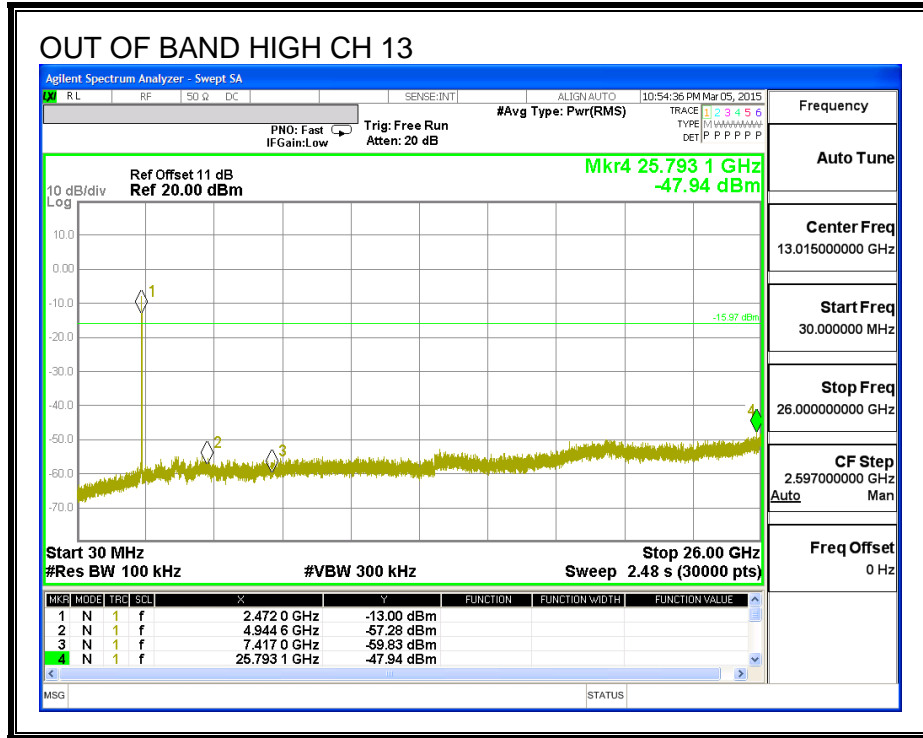


**OUT-OF-BAND EMISSIONS, ANTENNA A**







## 9. RADIATED TEST RESULTS

### 9.1. LIMITS AND PROCEDURE

#### LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
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. 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.

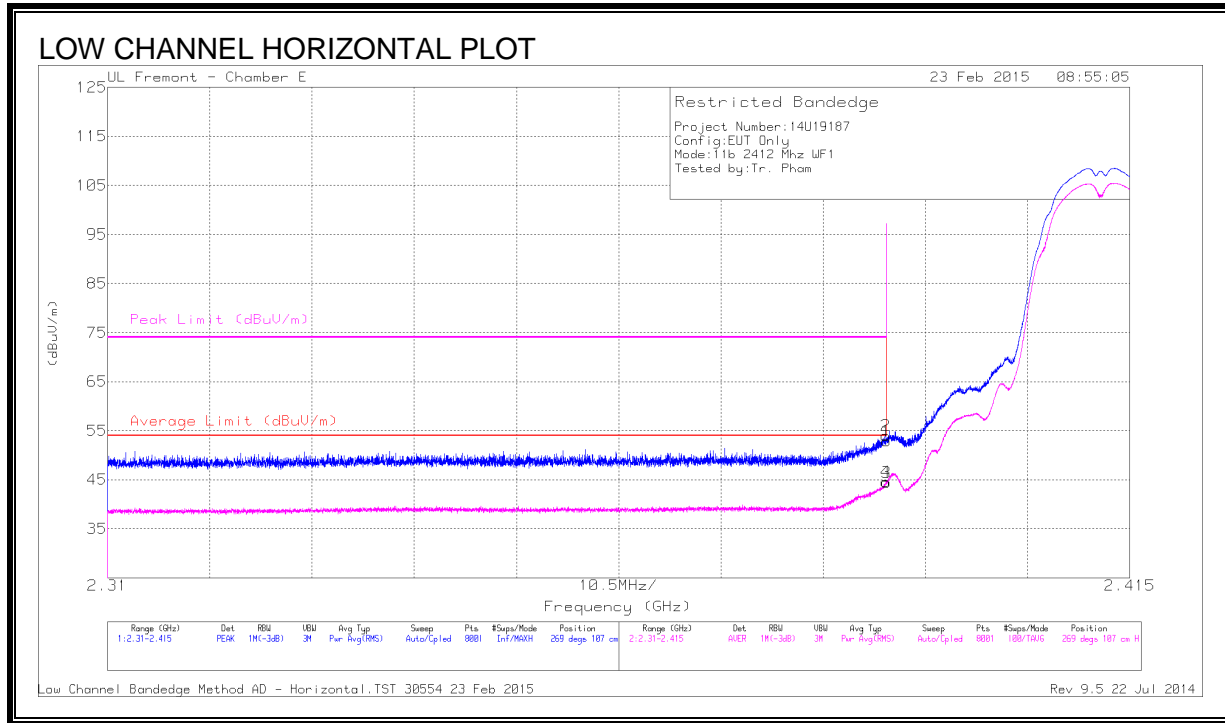
For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

For 2.4 GHz band, the spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.

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. 802.11b 1Tx ANTENNA A MODE IN THE 2.4 GHZ BAND

### RESTRICTED BANDEGE (LOW CHANNEL)



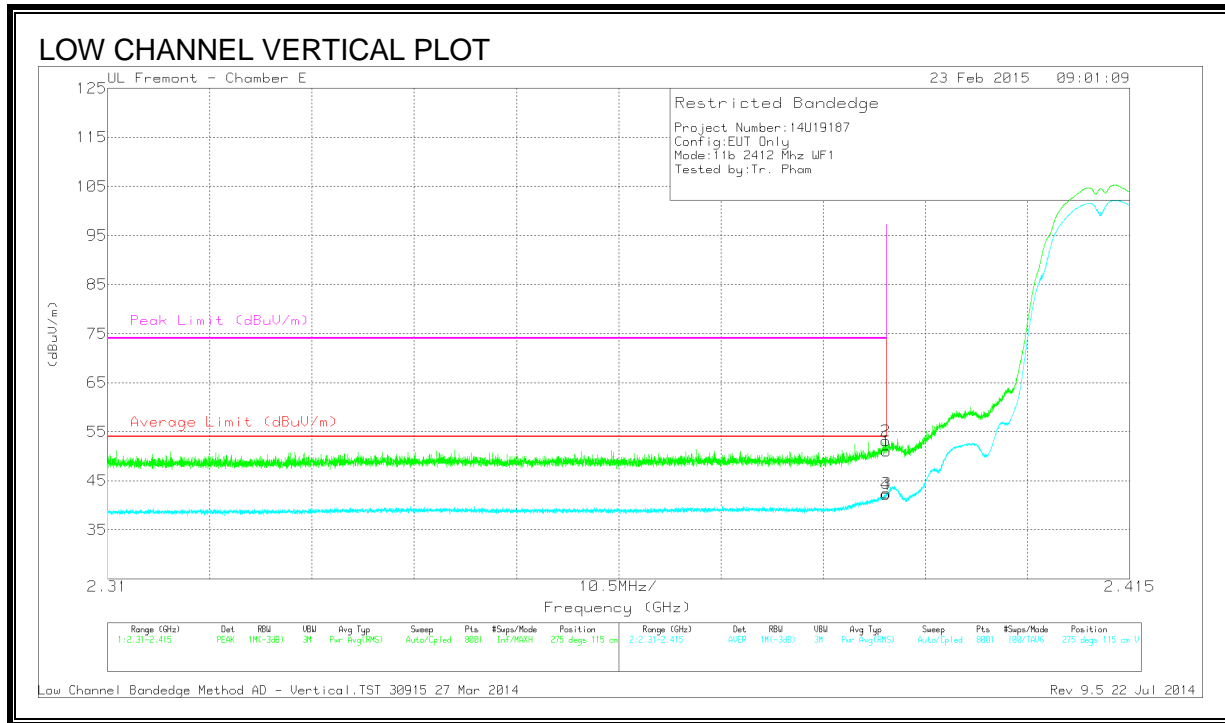
### DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.47	PK	32.1	-24.7	52.87	-	-	74	-21.13	269	107	H
2	* 2.39	46.59	PK	32.1	-24.7	53.99	-	-	74	-20.01	269	107	H
3	* 2.39	37.05	RMS	32.1	-24.7	44.45	54	-9.55	-	-	269	107	H
4	* 2.39	37.19	RMS	32.1	-24.7	44.59	54	-9.41	-	-	269	107	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

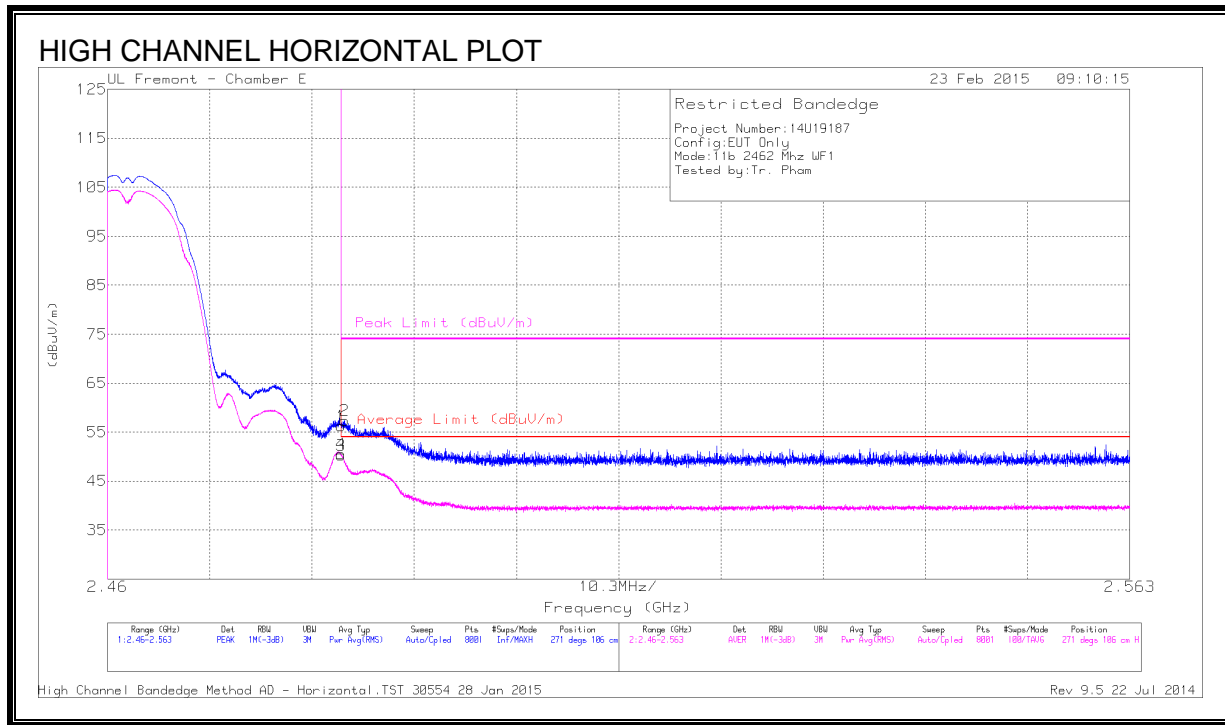
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.63	PK	32.1	-24.7	51.03	-	-	74	-22.97	275	115	V
2	* 2.39	45.8	PK	32.1	-24.7	53.2	-	-	74	-20.8	275	115	V
3	* 2.39	35.04	RMS	32.1	-24.7	42.44	54	-11.56	-	-	275	115	V
4	* 2.39	34.77	RMS	32.1	-24.7	42.17	54	-11.83	-	-	275	115	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**



**DATA**

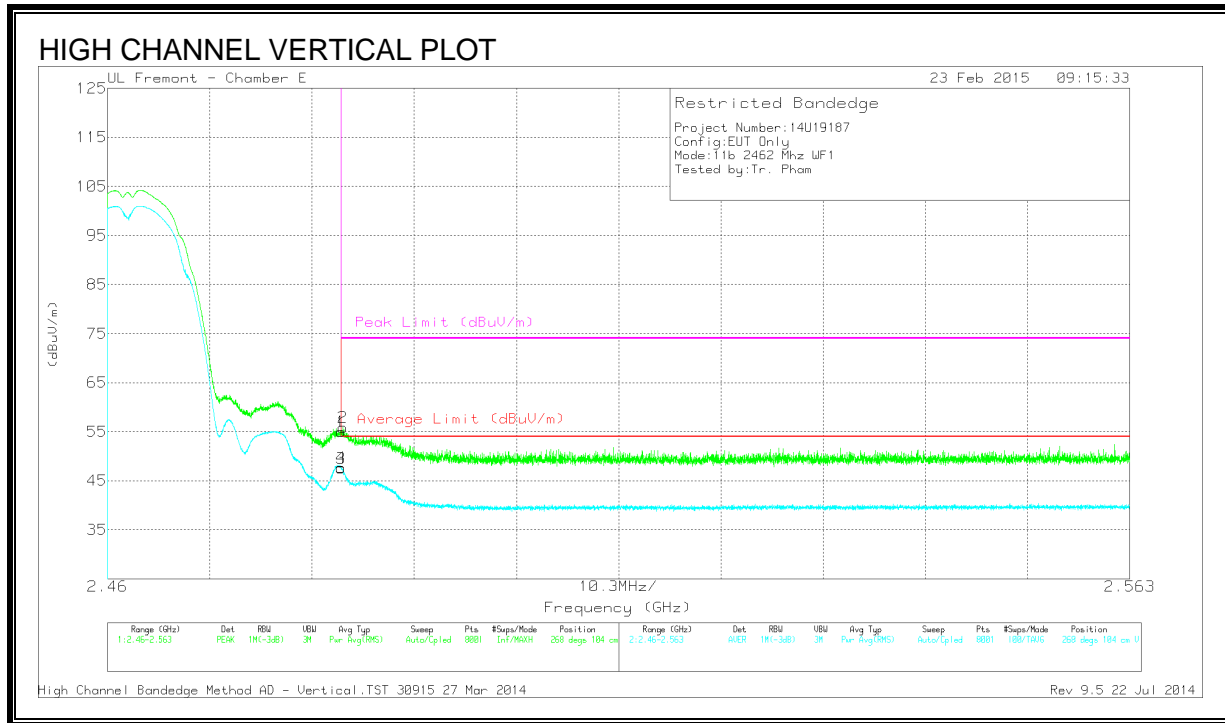
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.39	PK	32.2	-24.3	56.29	-	-	74	-17.71	271	106	H
2	* 2.484	49.42	PK	32.2	-24.3	57.32	-	-	74	-16.68	271	106	H
3	* 2.484	42.43	RMS	32.2	-24.3	50.33	54	-3.67	-	-	271	106	H
4	* 2.484	42.67	RMS	32.2	-24.3	50.57	54	-3.43	-	-	271	106	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection





**DATA**

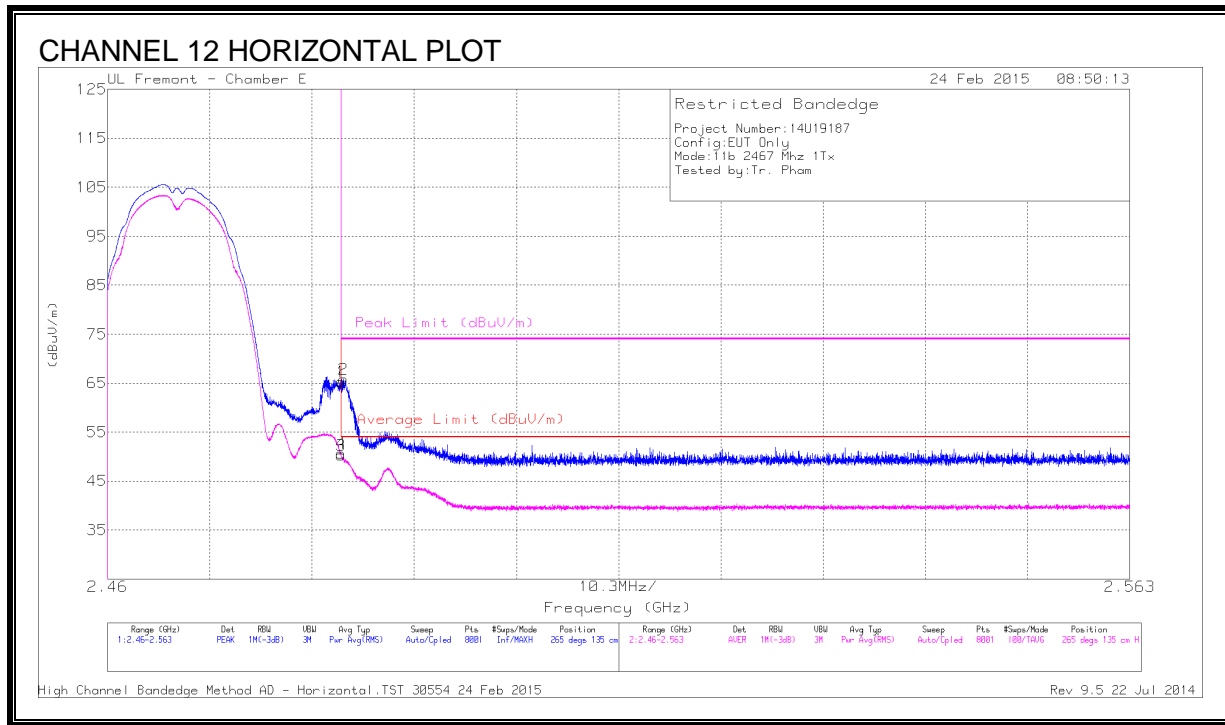
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.07	PK	32.2	-24.3	54.97	-	-	74	-19.03	268	104	V
2	* 2.484	48.01	PK	32.2	-24.3	55.91	-	-	74	-18.09	268	104	V
3	* 2.484	39.65	RMS	32.2	-24.3	47.55	54	-6.45	-	-	268	104	V
4	* 2.484	39.82	RMS	32.2	-24.3	47.72	54	-6.28	-	-	268	104	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 12)**



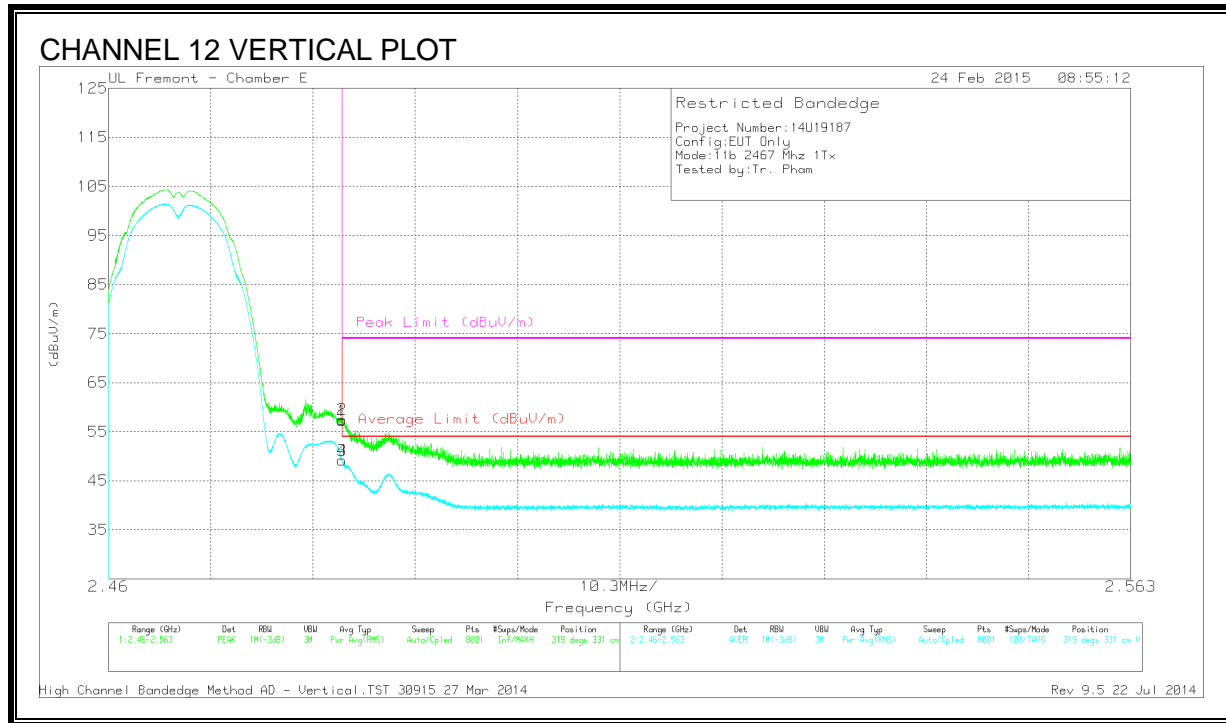
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	57.47	PK	32.2	-24.3	65.37	-	-	74	-8.63	265	135	H
2	* 2.484	57.93	PK	32.2	-24.3	65.83	-	-	74	-8.17	265	135	H
3	* 2.484	42.35	RMS	32.2	-24.3	50.25	54	-3.75	-	-	265	135	H
4	* 2.484	42.71	RMS	32.2	-24.3	50.61	54	-3.39	-	-	265	135	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

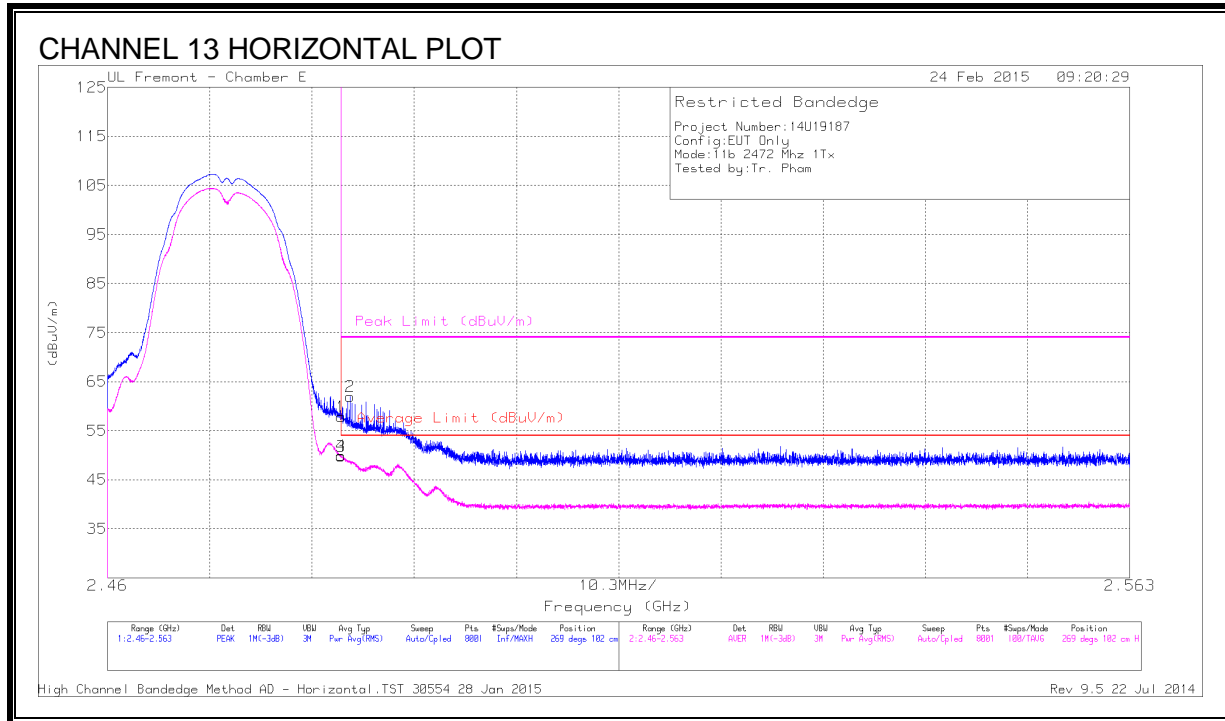
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.33	PK	32.2	-24.3	57.23	-	-	74	-16.77	319	331	V
2	* 2.484	49.58	PK	32.2	-24.3	57.48	-	-	74	-16.52	319	331	V
3	* 2.484	41.33	RMS	32.2	-24.3	49.23	54	-4.77	-	-	319	331	V
4	* 2.484	41.33	RMS	32.2	-24.3	49.23	54	-4.77	-	-	319	331	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 13)**



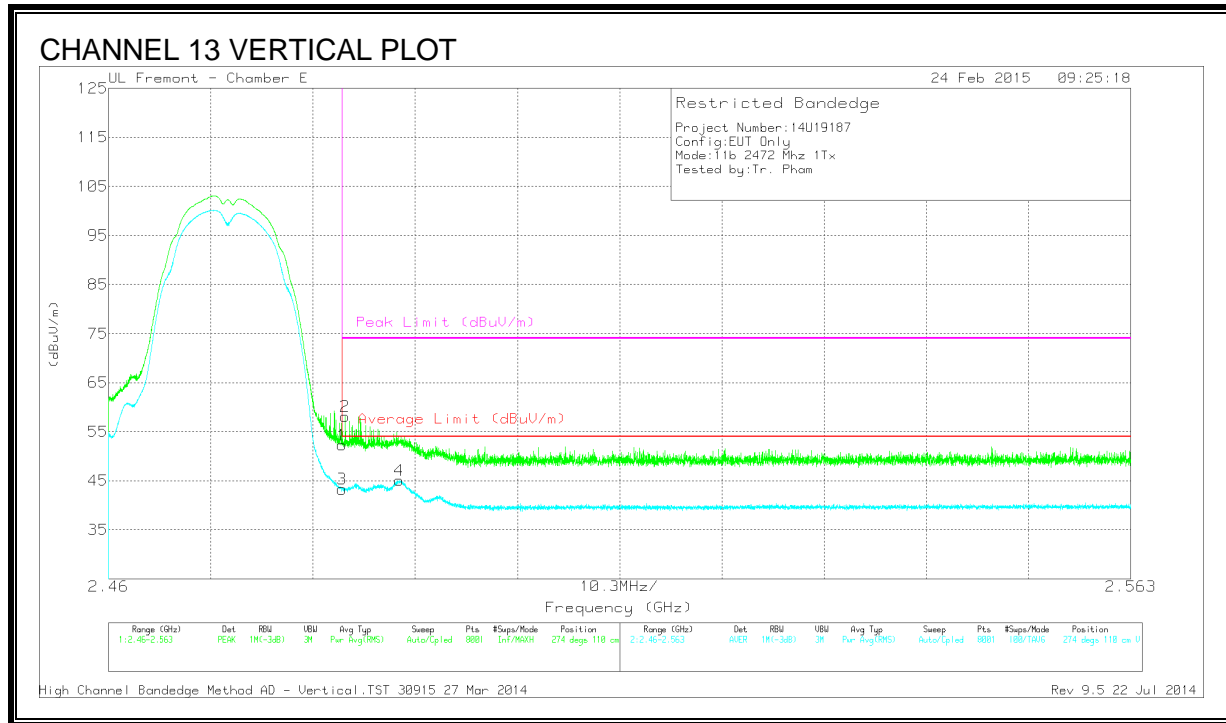
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.97	PK	32.2	-24.3	57.87	-	-	74	-16.13	269	102	H
2	* 2.484	54.01	PK	32.2	-24.3	61.91	-	-	74	-12.09	269	102	H
3	* 2.484	41.89	RMS	32.2	-24.3	49.79	54	-4.21	-	-	269	102	H
4	* 2.484	42.02	RMS	32.2	-24.3	49.92	54	-4.08	-	-	269	102	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

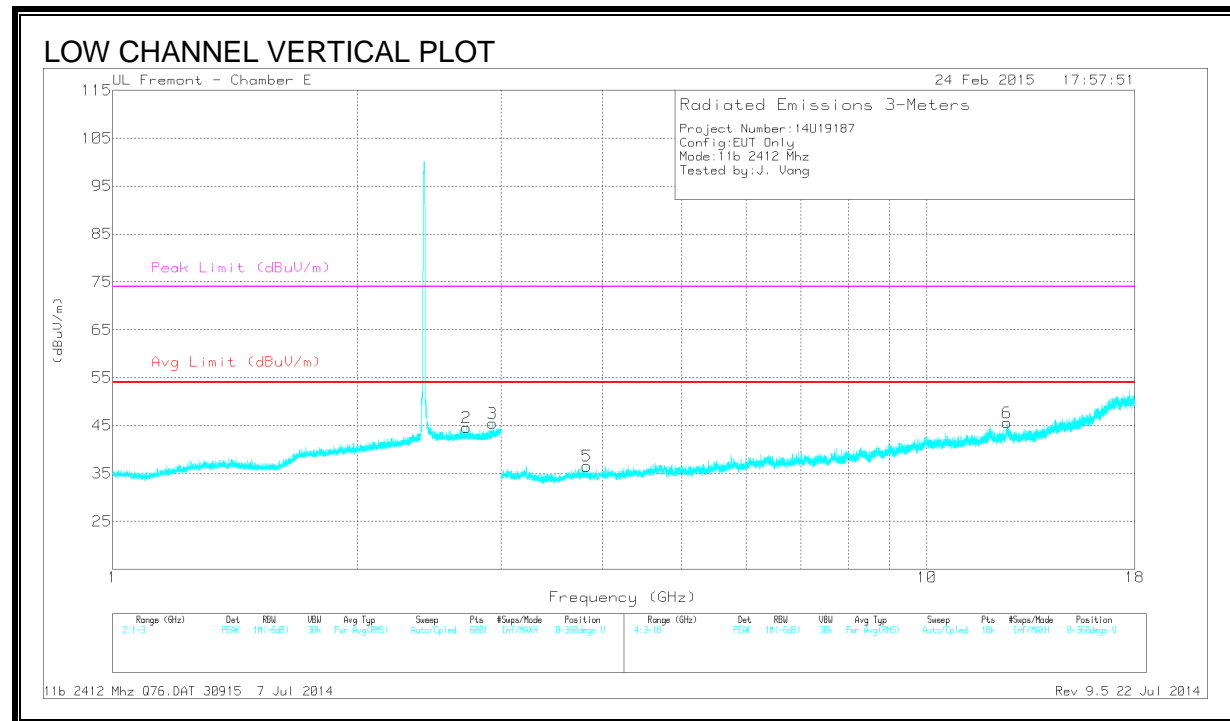
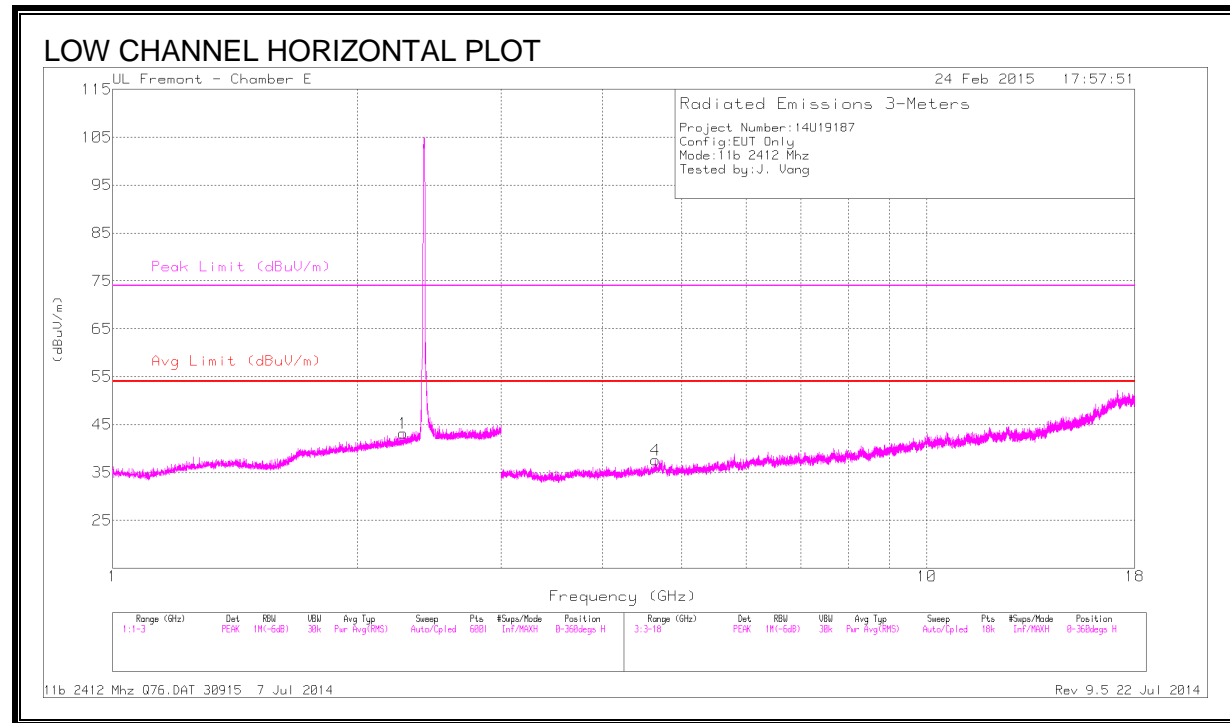
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.37	PK	32.2	-24.3	52.27	-	-	74	-21.73	274	110	V
2	* 2.484	50.22	PK	32.2	-24.3	58.12	-	-	74	-15.88	274	110	V
3	* 2.484	35.38	RMS	32.2	-24.3	43.28	54	-10.72	-	-	274	110	V
4	* 2.489	37.2	RMS	32.2	-24.3	45.1	54	-8.9	-	-	274	110	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

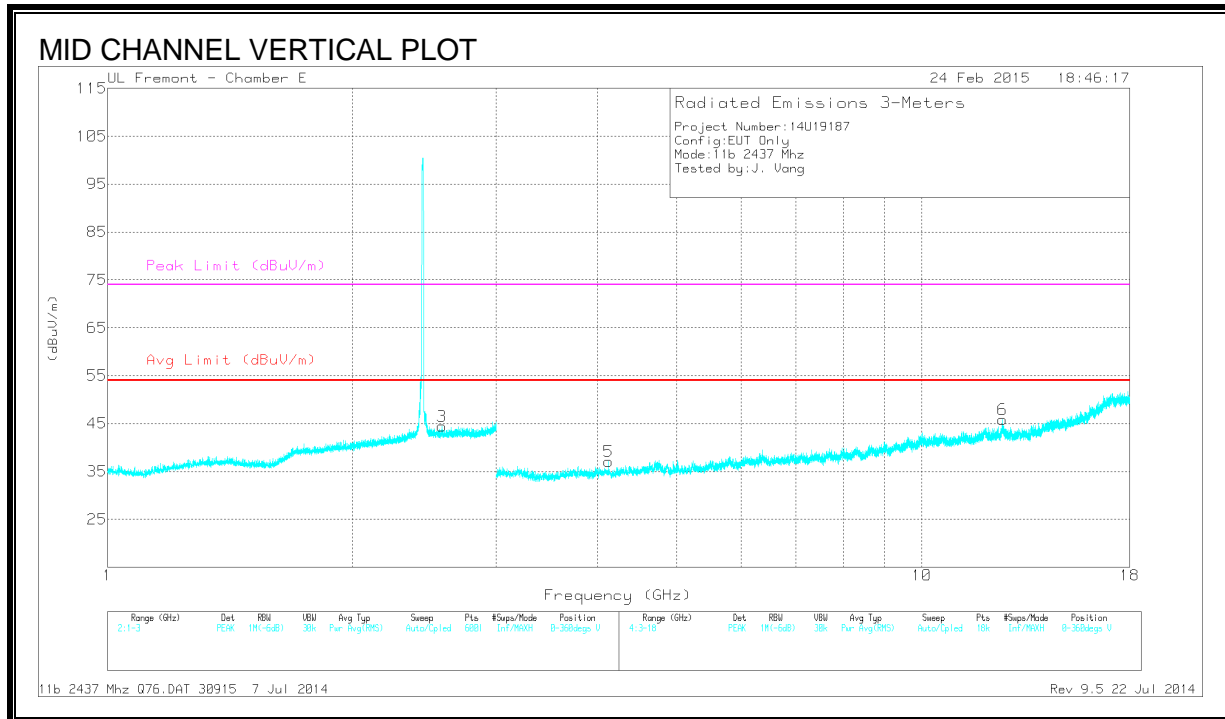
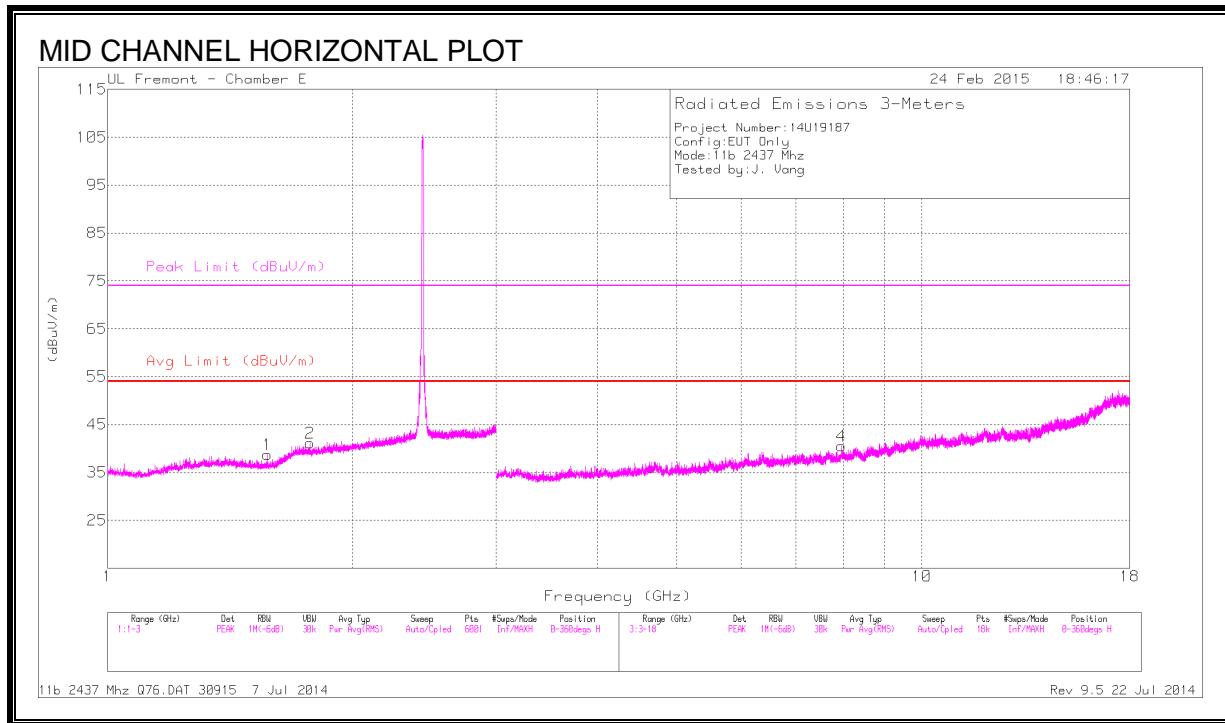
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.272	43.48	PK2	31.7	-25.1	50.08	-	-	74	-23.92	2	101	H
	* 2.276	32.29	MAv1	31.7	-25.1	38.89	54	-15.11	-	-	2	101	H
2	* 2.721	43.77	PK2	32	-24	51.77	-	-	74	-22.23	234	231	V
	* 2.721	31.96	MAv1	32	-24	39.96	54	-14.04	-	-	234	231	V
4	* 4.648	40.27	PK2	33.9	-29.9	44.27	-	-	74	-29.73	29	200	H
	* 4.646	29.41	MAv1	33.9	-29.8	33.51	54	-20.49	-	-	29	200	H
5	* 3.822	41.83	PK2	33.1	-31.4	43.53	-	-	74	-30.47	279	101	V
	* 3.824	30.29	MAv1	33.1	-31.4	31.99	54	-22.01	-	-	279	101	V
6	* 12.549	36.59	PK2	38.7	-23	52.29	-	-	74	-21.71	279	200	V
	* 12.548	25.93	MAv1	38.7	-23	41.63	54	-12.37	-	-	279	200	V
3	2.926	43.54	PK2	32.3	-23.9	51.94	-	-	-	-	302	101	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS**





**DATA**

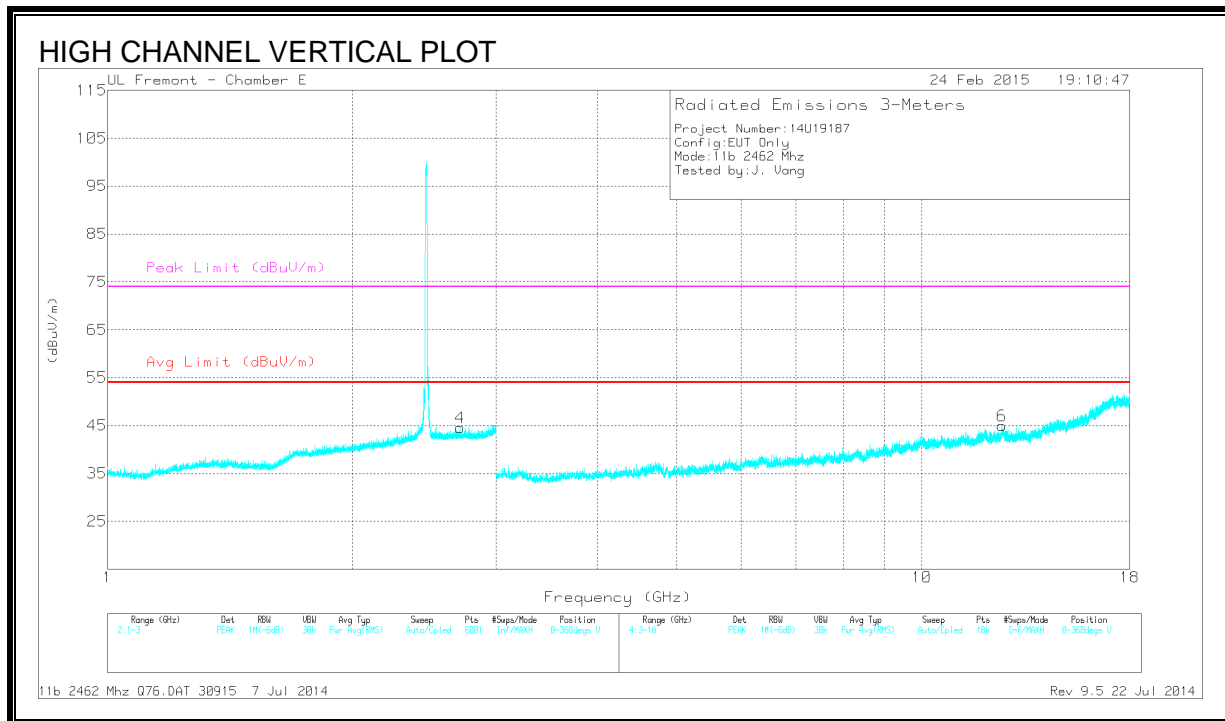
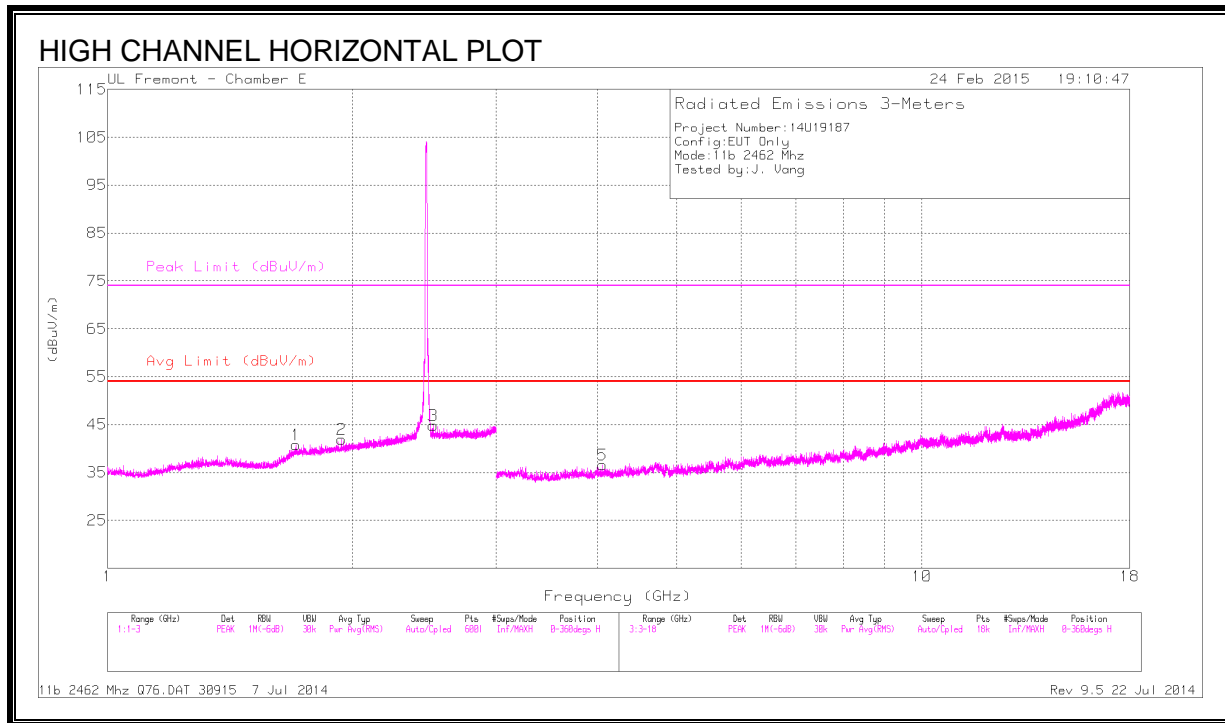
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.572	43.92	PK2	27.7	-26.4	45.22	-	-	74	-28.78	26	139	H
	* 1.571	32.4	MAv1	27.7	-26.4	33.7	54	-20.3	-	-	26	139	H
5	* 4.121	40.99	PK2	33.1	-30.7	43.39	-	-	74	-30.61	79	100	V
	* 4.122	29.46	MAv1	33.1	-30.8	31.76	54	-22.24	-	-	79	100	V
6	* 12.57	37.18	PK2	38.7	-23.5	52.38	-	-	74	-21.62	129	200	V
	* 12.574	25.75	MAv1	38.7	-23.6	40.85	54	-13.15	-	-	129	200	V
2	1.774	43.61	PK2	30.2	-26.2	47.61	-	-	-	-	289	101	H
3	2.575	43.41	PK2	32	-24.1	51.31	-	-	-	-	245	211	V
4	7.964	37.68	PK2	35.7	-26.4	46.98	-	-	-	-	126	100	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

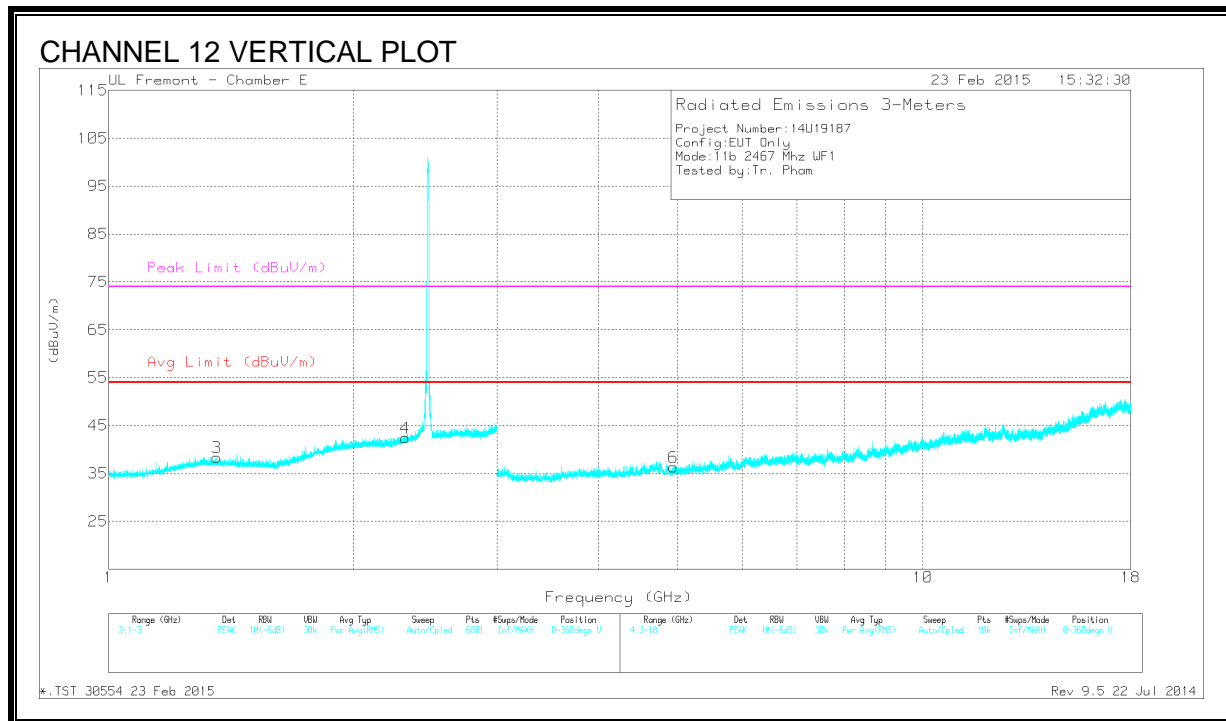
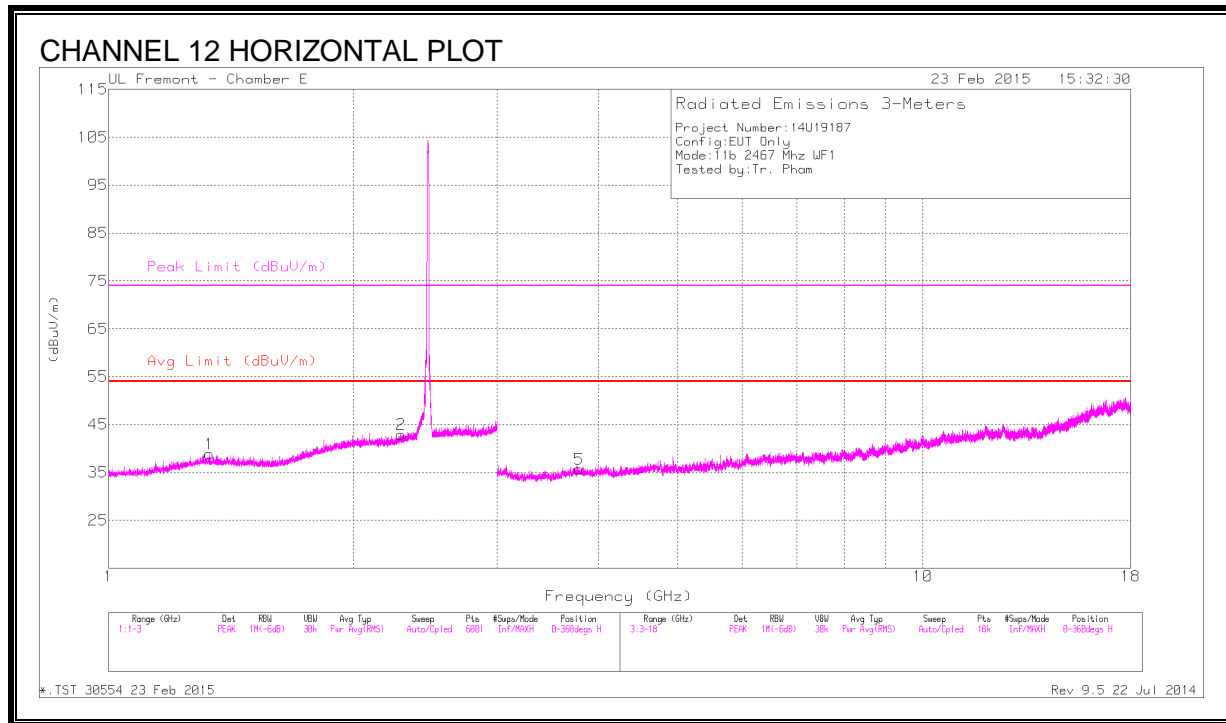
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.703	44.47	PK2	30.2	-26.3	48.37	-	-	74	-25.63	285	111	H
	* 1.706	32.71	MAv1	30.2	-26.2	36.71	54	-17.29	-	-	285	111	H
4	* 2.714	43.41	PK2	32	-23.9	51.51	-	-	74	-22.49	312	233	V
	* 2.713	32.01	MAv1	32	-23.9	40.11	54	-13.89	-	-	312	233	V
5	* 4.057	40.52	PK2	33.1	-30.5	43.12	-	-	74	-30.88	286	100	H
	* 4.057	29.38	MAv1	33.1	-30.5	31.98	54	-22.02	-	-	286	100	H
6	* 12.536	37	PK2	38.6	-23.2	52.4	-	-	74	-21.6	226	200	V
	* 12.537	25.27	MAv1	38.6	-23.2	40.67	54	-13.33	-	-	226	200	V
2	1.939	43.1	PK2	30.4	-25.2	48.3	-	-	-	-	43	101	H
3	2.511	43.76	PK2	32.1	-24.2	51.66	-	-	-	-	43	101	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 12 HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

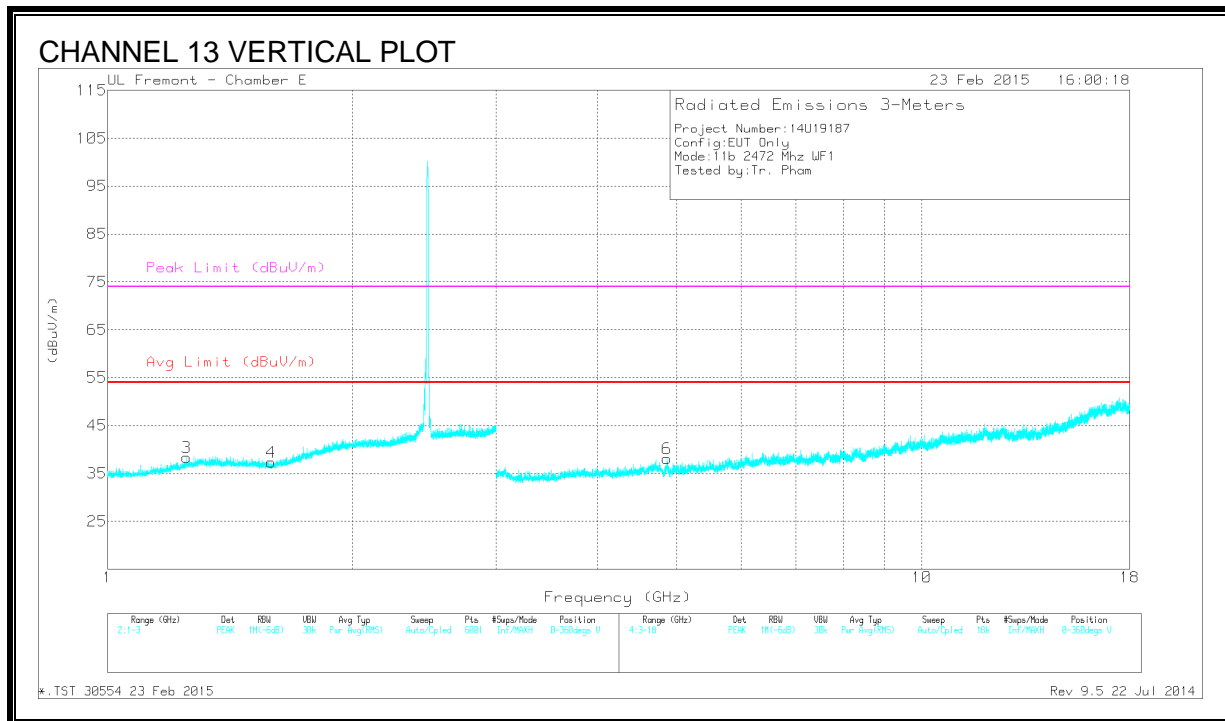
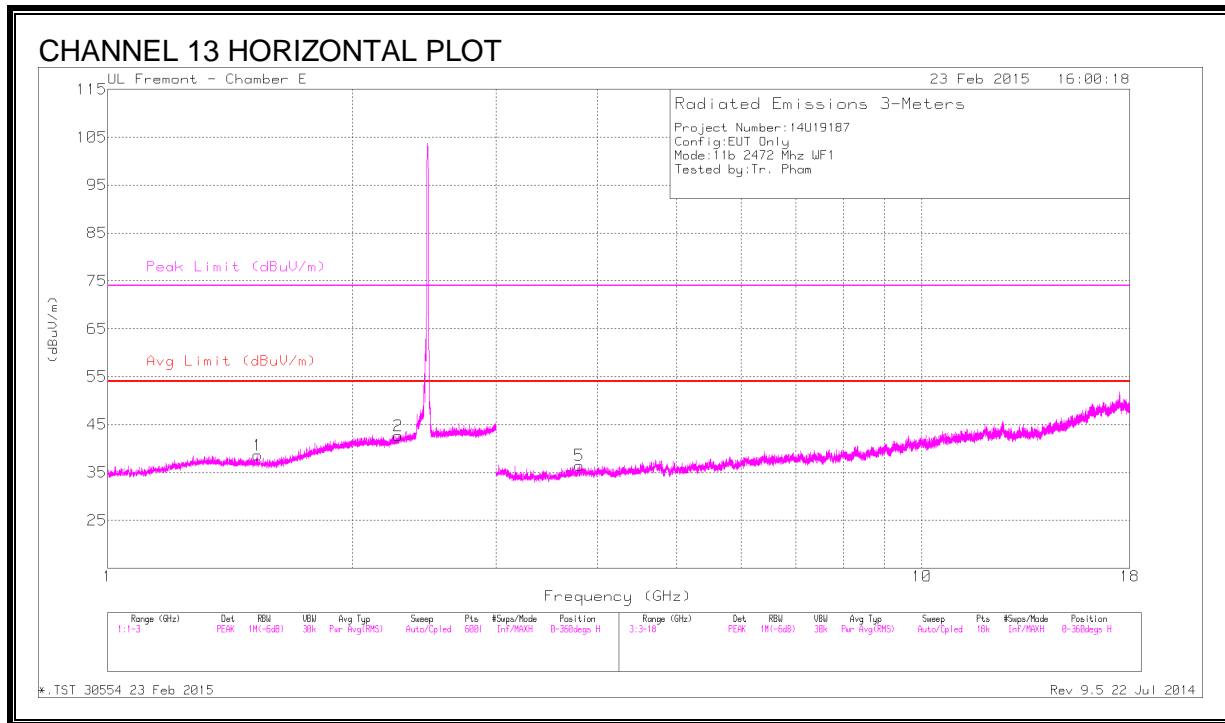
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.331	43.61	PK2	28.9	-26.8	45.71	-	-	74	-28.29	360	100	H
	* 1.33	32.5	MAv1	28.9	-26.8	34.6	54	-19.4	-	-	360	100	H
2	* 2.287	44.63	PK2	31.8	-25.1	51.33	-	-	74	-22.67	360	100	H
	* 2.288	32.32	MAv1	31.8	-25.1	39.02	54	-14.98	-	-	360	100	H
3	* 1.359	44.8	PK2	28.7	-26.6	46.9	-	-	74	-27.1	360	100	V
	* 1.357	32.6	MAv1	28.7	-26.6	34.7	54	-19.3	-	-	360	100	V
4	* 2.314	44.02	PK2	31.9	-25	50.92	-	-	74	-23.08	360	100	V
	* 2.313	32.35	MAv1	31.9	-25	39.25	54	-14.75	-	-	360	100	V
5	* 3.787	41.58	PK2	33.4	-31.3	43.68	-	-	74	-30.32	360	100	H
	* 3.785	30.57	MAv1	33.4	-31.2	32.77	54	-21.23	-	-	360	100	H
6	* 4.934	40.32	PK2	34.1	-30.4	44.02	-	-	74	-29.98	360	100	V
	* 4.934	28.82	MAv1	34.1	-30.4	32.52	54	-21.48	-	-	360	100	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 13 HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.527	44.01	PK2	28.1	-26.3	45.81	-	-	74	-28.19	360	100	H
	* 1.529	32.43	MAv1	28.1	-26.4	34.13	54	-19.87	-	-	360	100	H
2	* 2.276	43.94	PK2	31.8	-25.1	50.64	-	-	74	-23.36	360	100	H
	* 2.276	32.31	MAv1	31.8	-25.1	39.01	54	-14.99	-	-	360	100	H
3	* 1.25	44.24	PK2	28.5	-27.2	45.54	-	-	74	-28.46	360	100	V
	* 1.25	32.89	MAv1	28.5	-27.2	34.19	54	-19.81	-	-	360	100	V
4	* 1.588	44.04	PK2	28	-26.4	45.64	-	-	74	-28.36	360	100	V
	* 1.589	32.46	MAv1	28	-26.4	34.06	54	-19.94	-	-	360	100	V
5	* 3.796	42.29	PK2	33.5	-31.3	44.49	-	-	74	-29.51	360	100	H
	* 3.796	30.58	MAv1	33.5	-31.3	32.78	54	-21.22	-	-	360	100	H
6	* 4.861	41.86	PK2	34.1	-31.1	44.86	-	-	74	-29.14	360	100	V
	* 4.861	30.99	MAv1	34.1	-31.1	33.99	54	-20.01	-	-	360	100	V

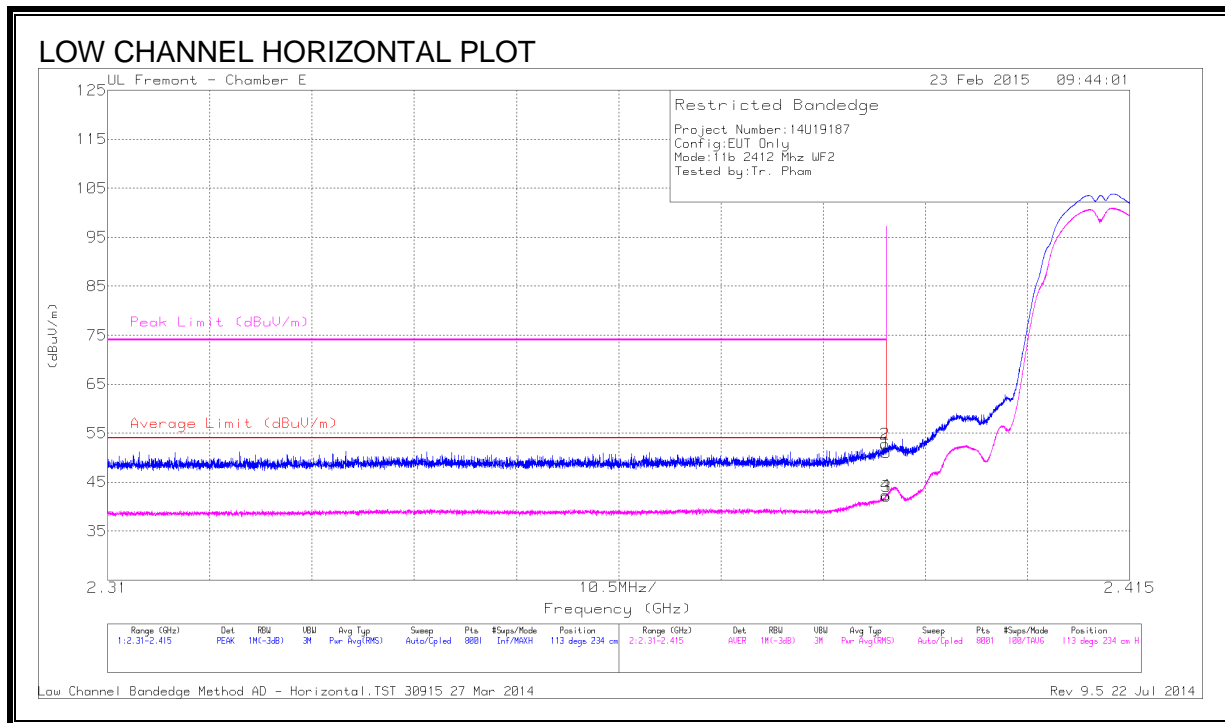
\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 9.3. 802.11b 1Tx ANTENNA B MODE IN THE 2.4 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)



#### DATA

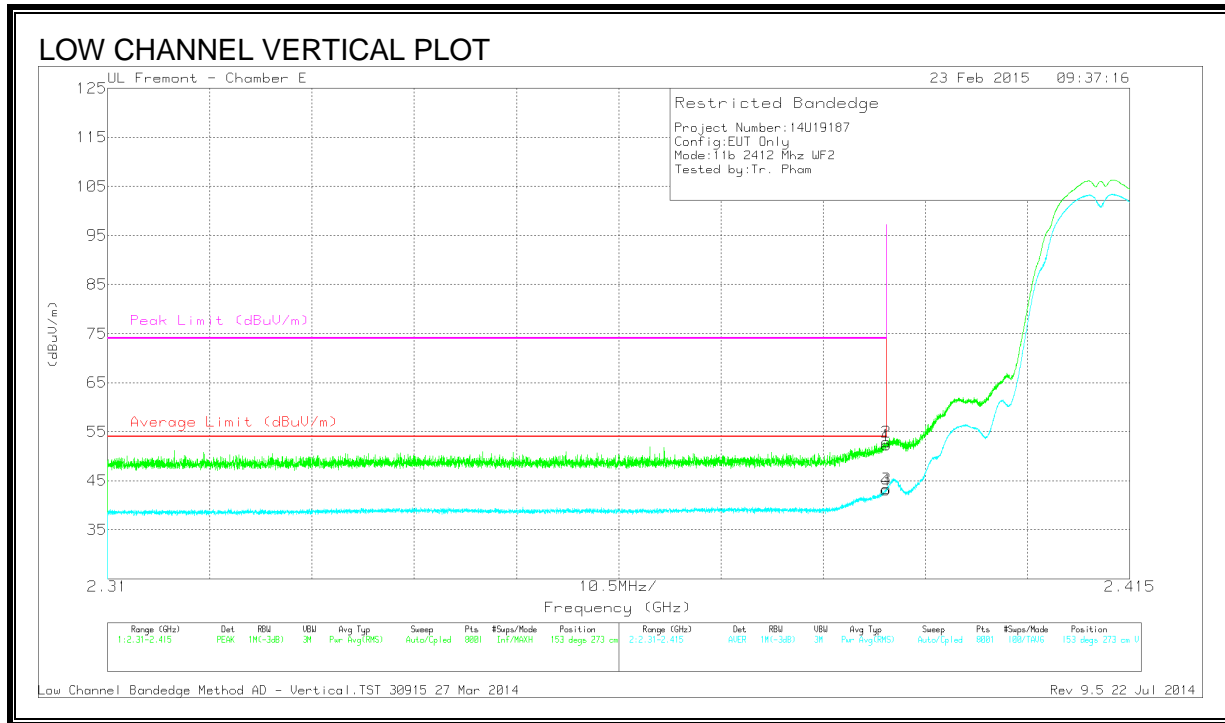
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.59	PK	32.1	-24.7	50.99	-	-	74	-23.01	113	234	H
2	* 2.39	45.36	PK	32.1	-24.7	52.76	-	-	74	-21.24	113	234	H
3	* 2.39	34.74	RMS	32.1	-24.7	42.14	54	-11.86	-	-	113	234	H
4	* 2.39	34.92	RMS	32.1	-24.7	42.32	54	-11.68	-	-	113	234	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection





**DATA**

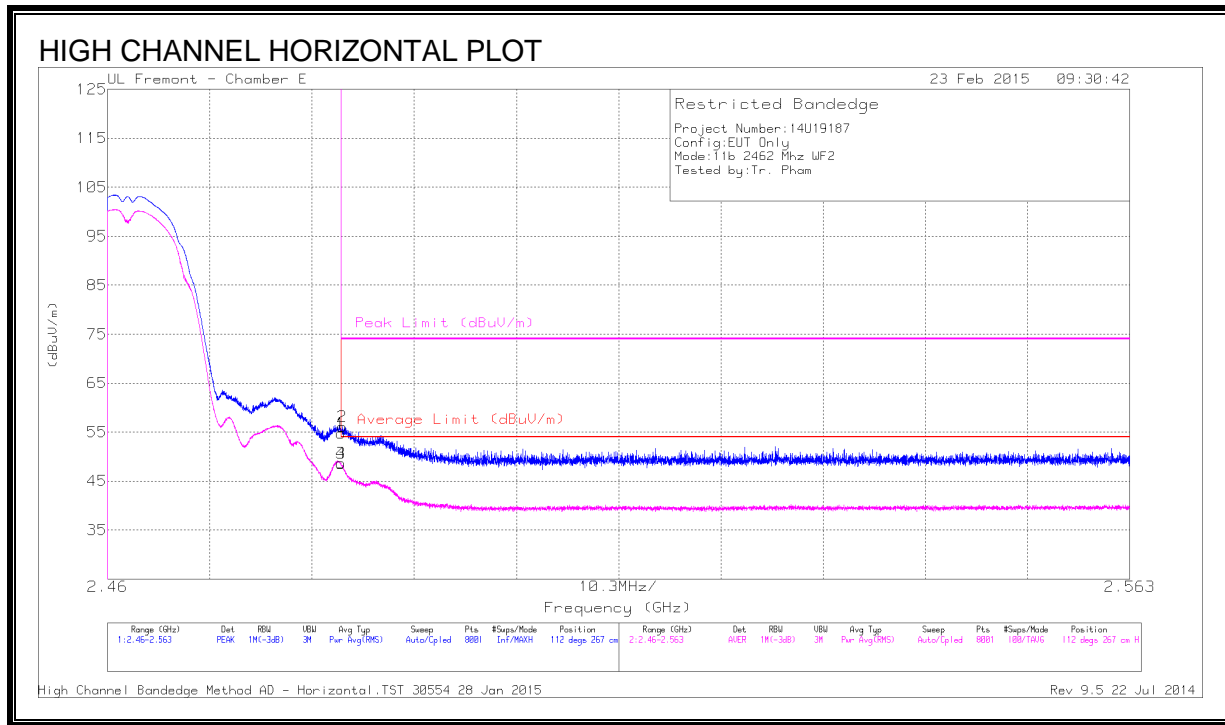
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.87	PK	32.1	-24.7	52.27	-	-	74	-21.73	153	273	V
2	* 2.39	45.45	PK	32.1	-24.7	52.85	-	-	74	-21.15	153	273	V
3	* 2.39	35.96	RMS	32.1	-24.7	43.36	54	-10.64	-	-	153	273	V
4	* 2.39	35.71	RMS	32.1	-24.7	43.11	54	-10.89	-	-	153	273	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**



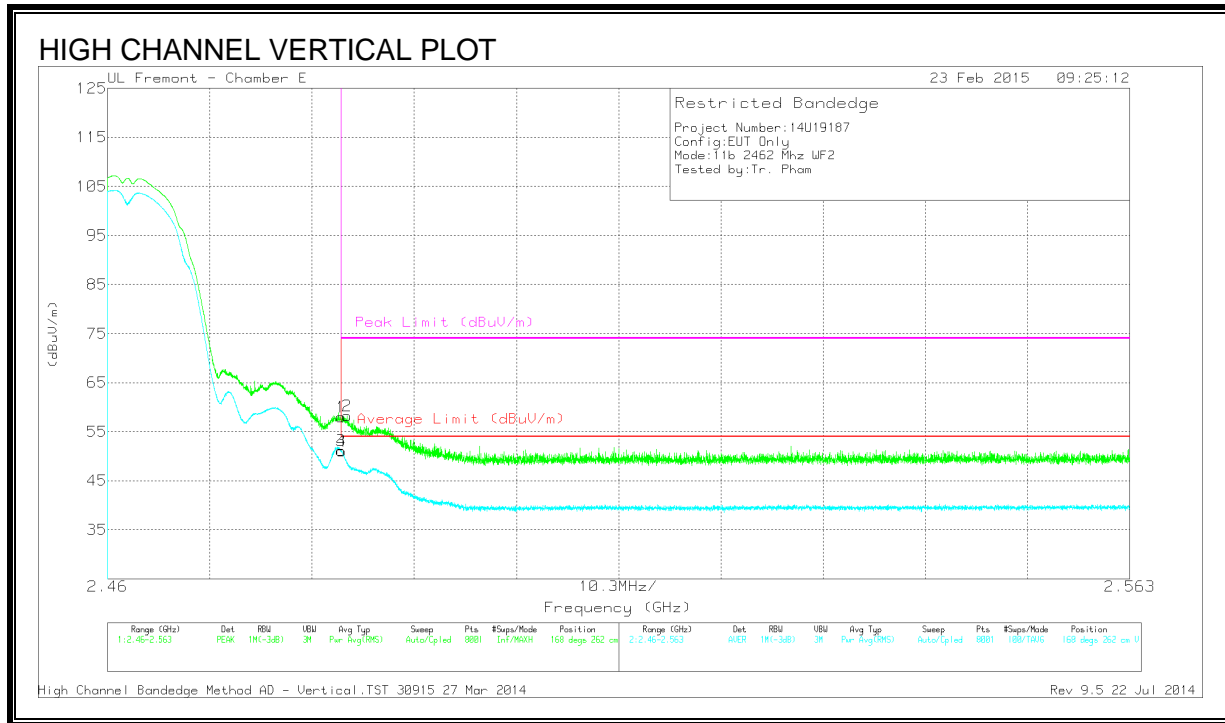
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.83	PK	32.2	-24.3	54.73	-	-	74	-19.27	112	267	H
2	* 2.484	48.19	PK	32.2	-24.3	56.09	-	-	74	-17.91	112	267	H
3	* 2.484	40.72	RMS	32.2	-24.3	48.62	54	-5.38	-	-	112	267	H
4	* 2.484	40.82	RMS	32.2	-24.3	48.72	54	-5.28	-	-	112	267	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

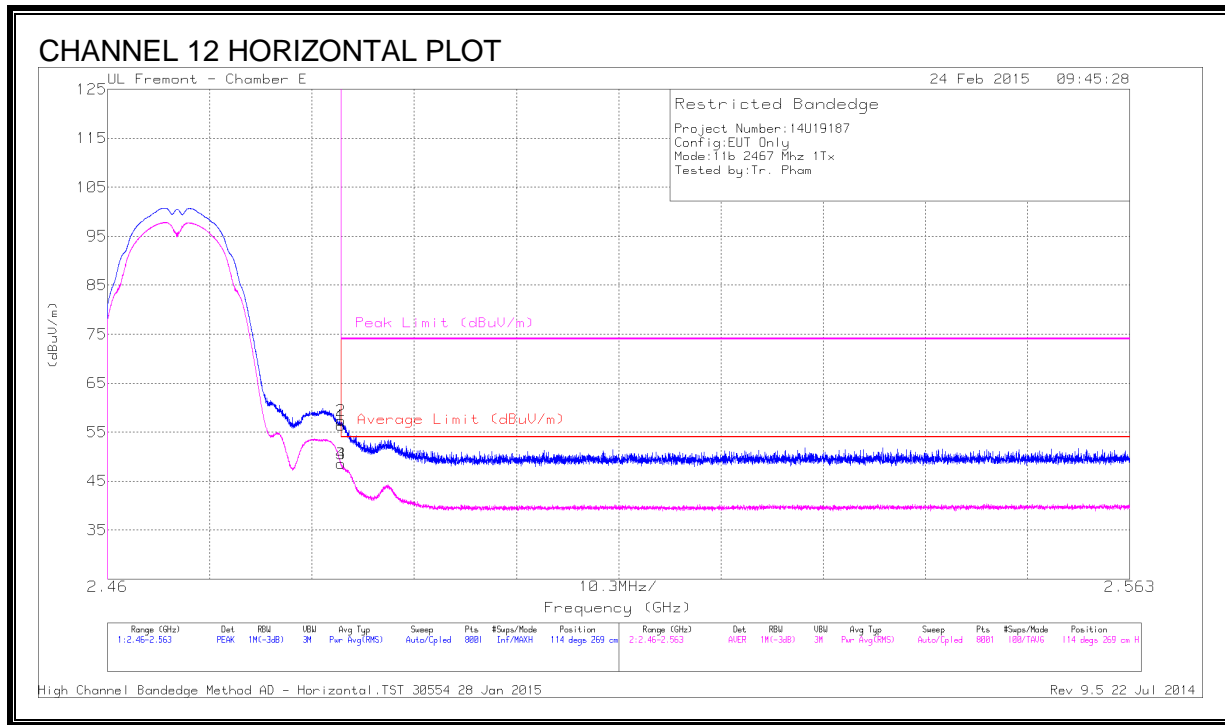
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.09	PK	32.2	-24.3	57.99	-	-	74	-16.01	168	262	V
2	* 2.484	50.37	PK	32.2	-24.3	58.27	-	-	74	-15.73	168	262	V
3	* 2.484	43.25	RMS	32.2	-24.3	51.15	54	-2.85	-	-	168	262	V
4	* 2.484	43.1	RMS	32.2	-24.3	51	54	-3	-	-	168	262	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEGE (CHANNEL 12)**



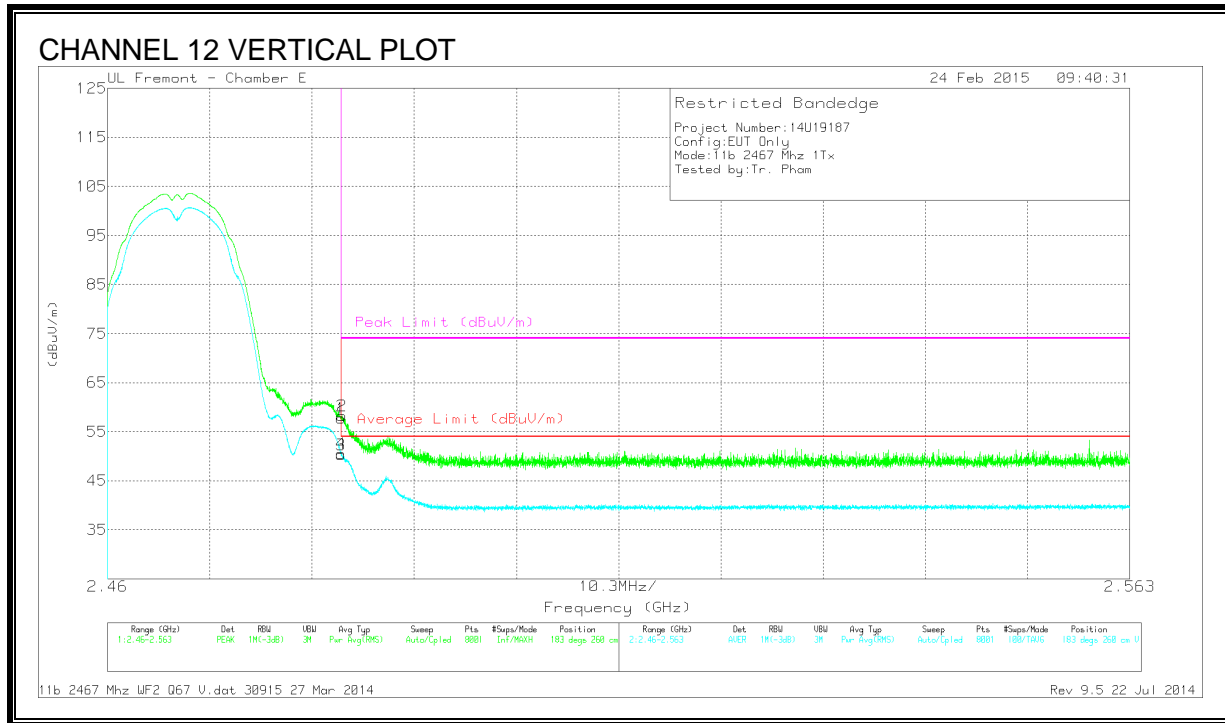
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.53	PK	32.2	-24.3	56.43	-	-	74	-17.57	114	269	H
2	* 2.484	49.5	PK	32.2	-24.3	57.4	-	-	74	-16.6	114	269	H
3	* 2.484	40.7	RMS	32.2	-24.3	48.6	54	-5.4	-	-	114	269	H
4	* 2.484	40.63	RMS	32.2	-24.3	48.53	54	-5.47	-	-	114	269	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

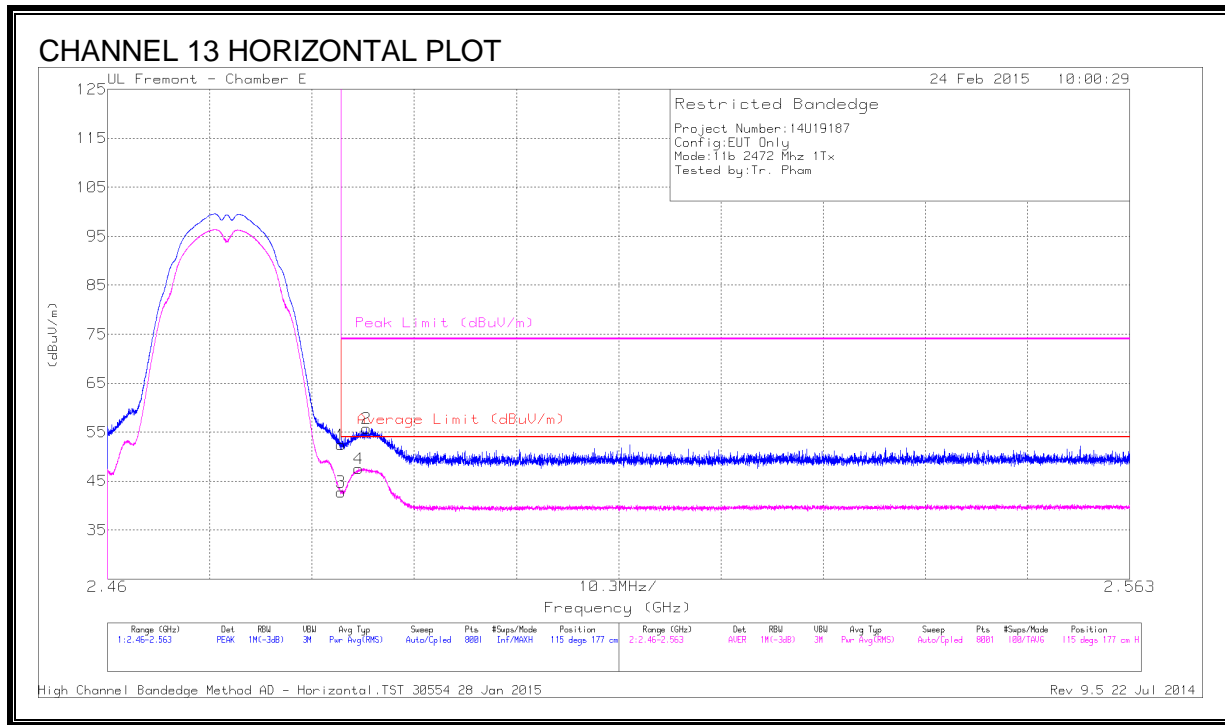
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.86	PK	32.2	-24.3	57.76	-	-	74	-16.24	183	260	V
2	* 2.484	50.31	PK	32.2	-24.3	58.21	-	-	74	-15.79	183	260	V
3	* 2.484	42.36	RMS	32.2	-24.3	50.26	54	-3.74	-	-	183	260	V
4	* 2.484	42.69	RMS	32.2	-24.3	50.59	54	-3.41	-	-	183	260	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 13)**



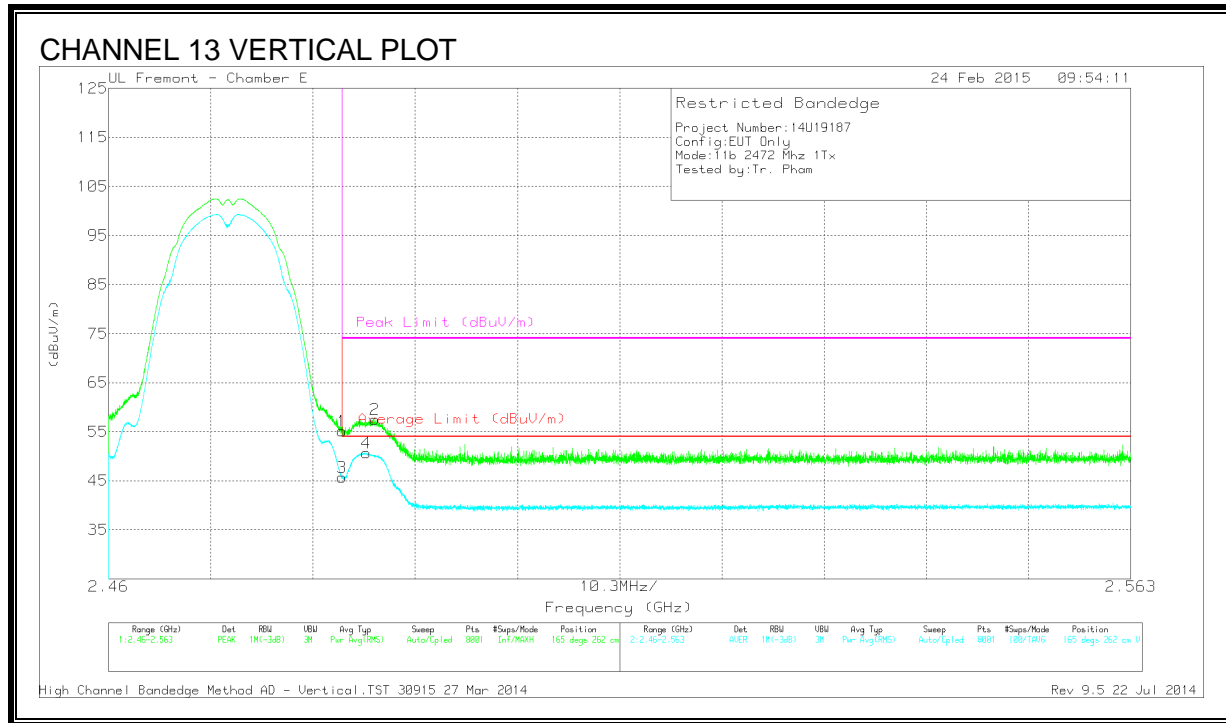
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.51	PK	32.2	-24.3	52.41	-	-	74	-21.59	115	177	H
3	* 2.484	34.88	RMS	32.2	-24.3	42.78	54	-11.22	-	-	115	177	H
4	* 2.485	39.64	RMS	32.2	-24.3	47.54	54	-6.46	-	-	115	177	H
2	* 2.486	47.9	PK	32.2	-24.3	55.8	-	-	74	-18.2	115	177	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

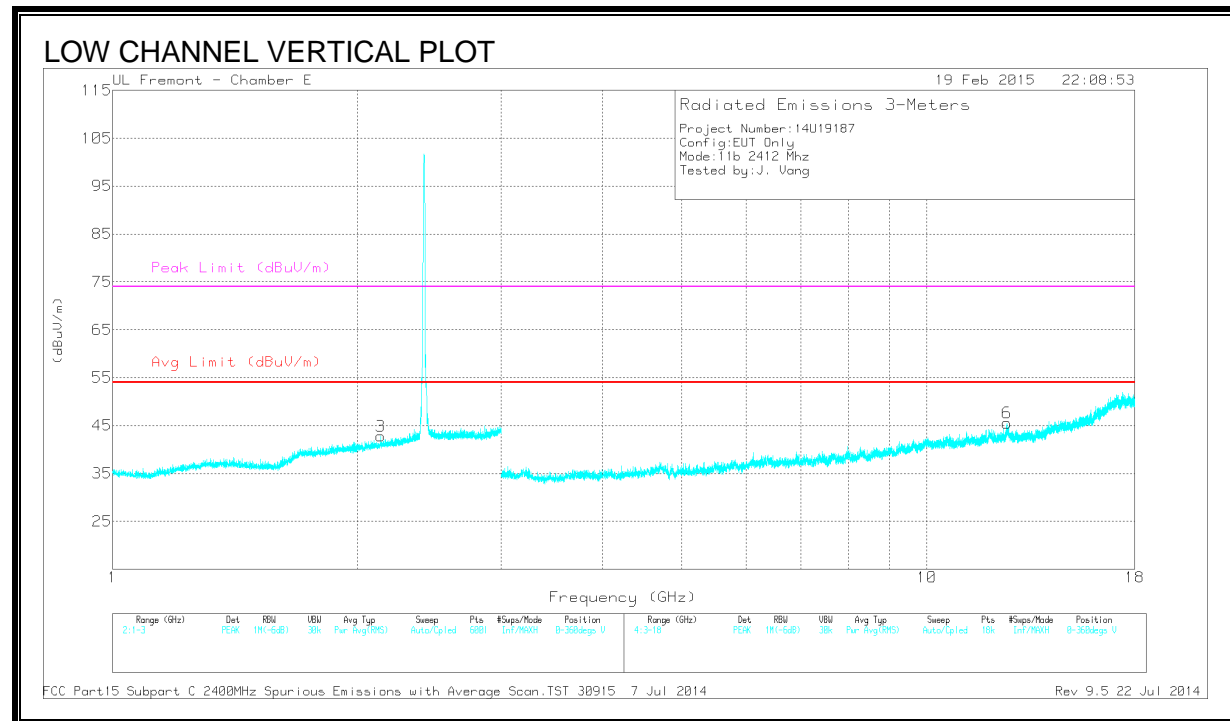
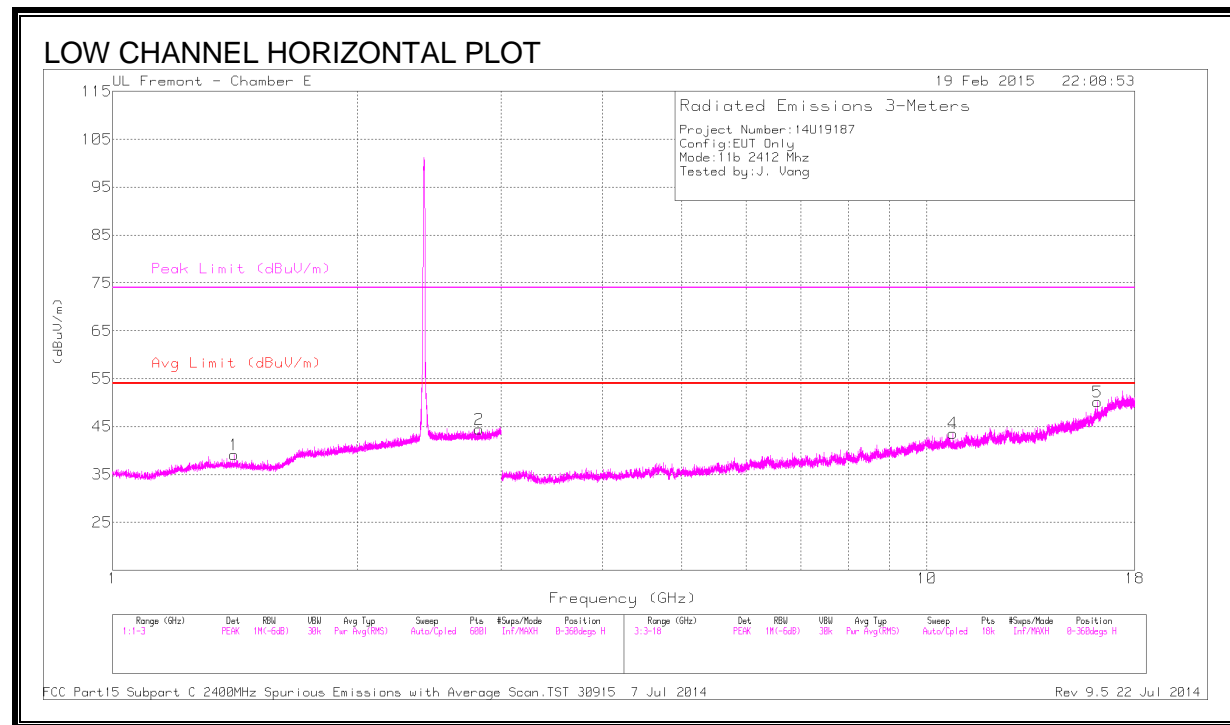
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.18	PK	32.2	-24.3	55.08	-	-	74	-18.92	165	262	V
3	* 2.484	37.75	RMS	32.2	-24.3	45.65	54	-8.35	-	-	165	262	V
4	* 2.486	42.78	RMS	32.2	-24.3	50.68	54	-3.32	-	-	165	262	V
2	* 2.487	49.59	PK	32.2	-24.3	57.49	-	-	74	-16.51	165	262	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS**





**DATA**

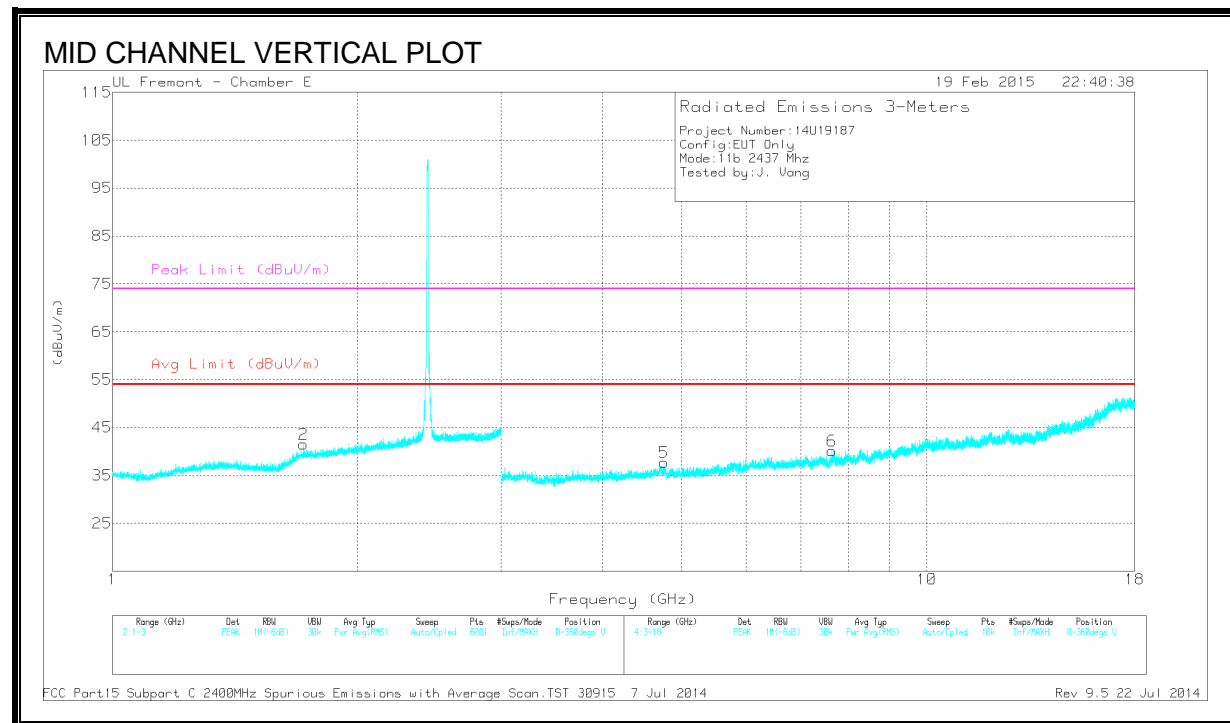
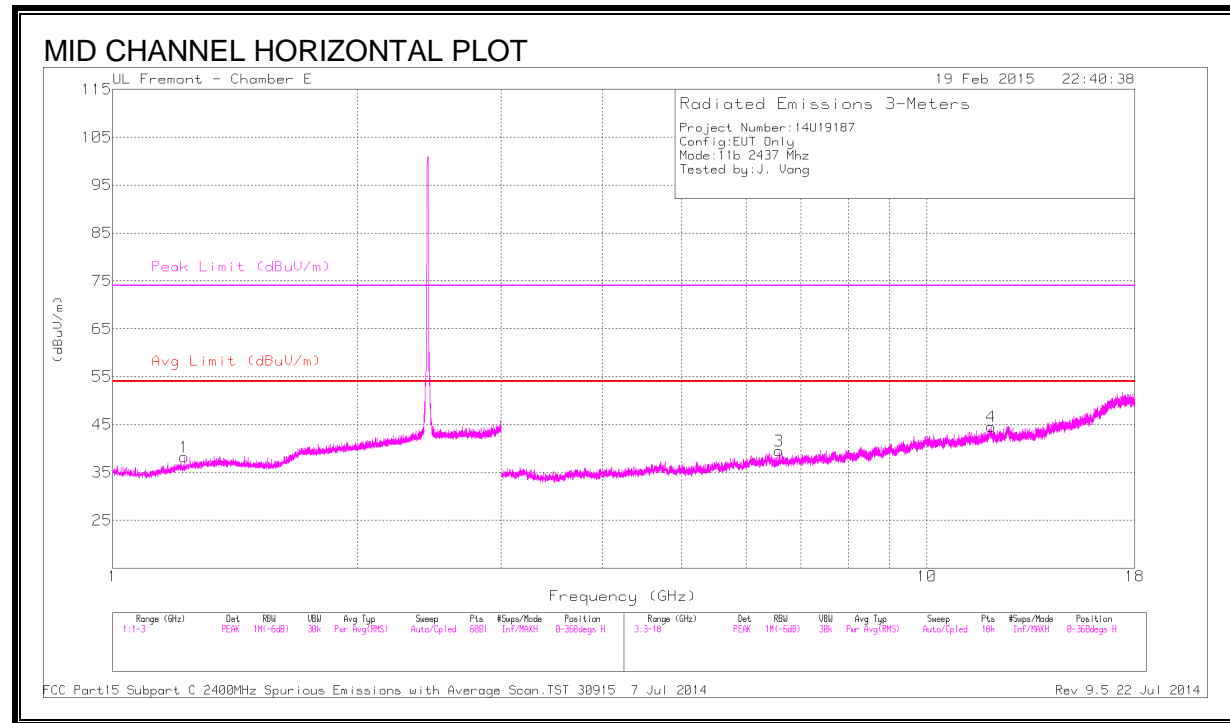
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.409	43.76	PK2	28.3	-26.4	45.66	-	-	74	-28.34	263	183	H
	* 1.411	32.16	MAv1	28.3	-26.4	34.06	54	-19.94	-	-	263	183	H
2	* 2.819	43.35	PK2	32	-24.1	51.25	-	-	74	-22.75	263	200	H
	* 2.821	32.05	MAv1	32	-24.1	39.95	54	-14.05	-	-	263	200	H
4	* 10.754	36.58	PK2	37.2	-23.7	50.08	-	-	74	-23.92	346	102	H
	* 10.753	25.07	MAv1	37.2	-23.7	38.57	54	-15.43	-	-	346	102	H
6	* 12.55	37.08	PK2	38.7	-23	52.78	-	-	74	-21.22	0	102	V
	* 12.549	25.4	MAv1	38.7	-23	41.1	54	-12.9	-	-	0	102	V
3	2.134	43.42	PK2	31	-25	49.42	-	-	-	-	263	200	V
5	16.203	35.52	PK2	40.7	-20.2	56.02	-	-	-	-	346	200	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

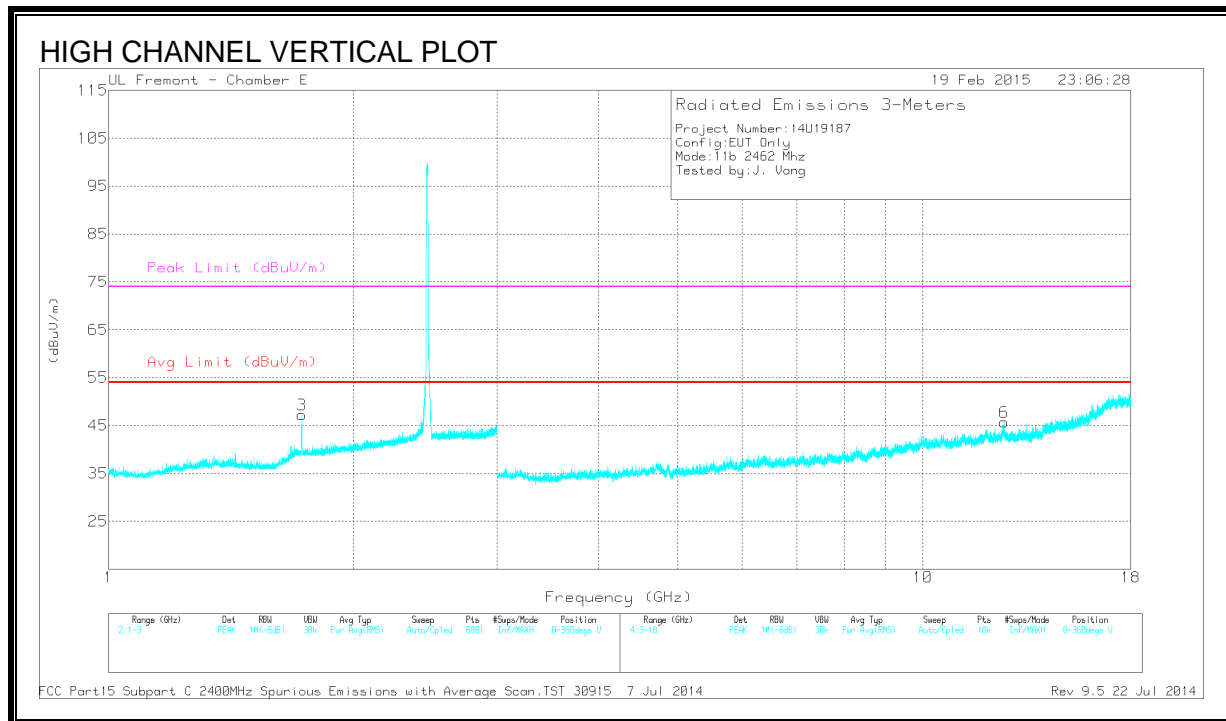
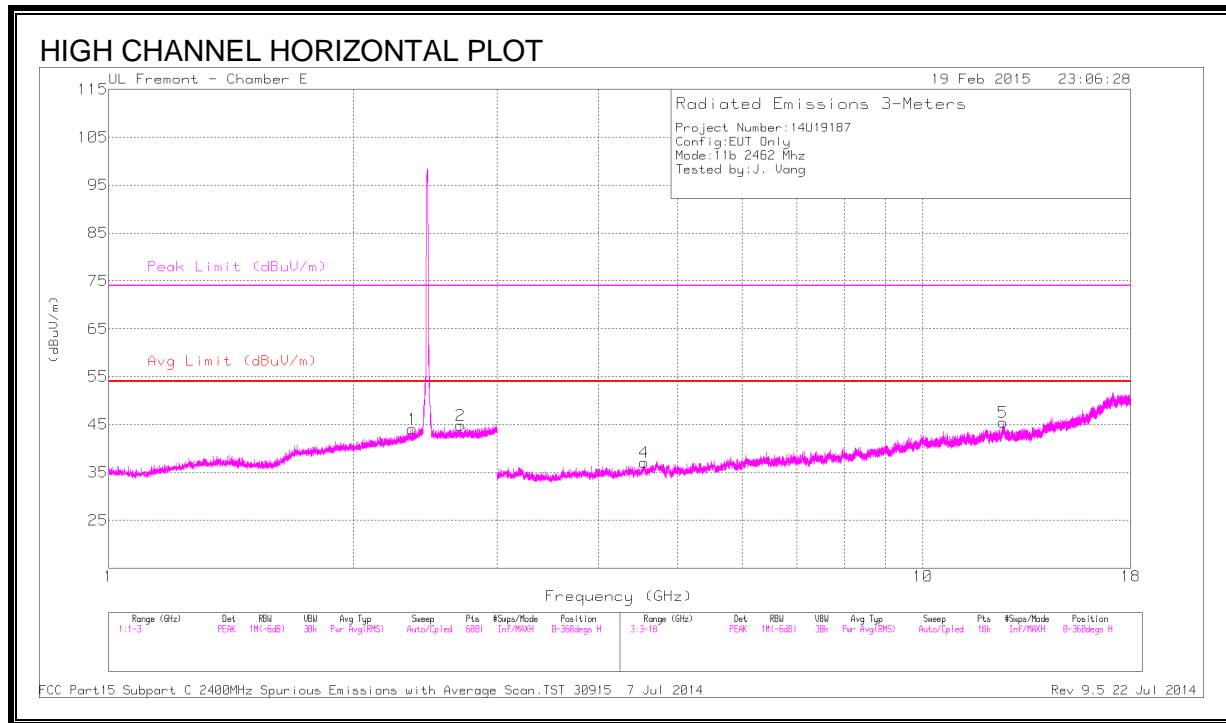
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.225	44.57	PK2	28	-27.4	45.17	-	-	74	-28.83	0	200	H
	* 1.227	32.67	MAv1	28	-27.4	33.27	54	-20.73	-	-	0	200	H
4	* 12	36.8	PK2	38.1	-23.2	51.7	-	-	74	-22.3	82	101	H
	* 12.003	25.22	MAv1	38.1	-23.3	40.02	54	-13.98	-	-	82	101	H
5	* 4.753	42.31	PK2	34	-30.9	45.41	-	-	74	-28.59	4	101	V
	* 4.755	30.87	MAv1	34	-30.9	33.97	54	-20.03	-	-	4	101	V
6	* 7.642	38.08	PK2	35.6	-26.8	46.88	-	-	74	-27.12	4	101	V
	* 7.642	27.31	MAv1	35.6	-26.8	36.11	54	-17.89	-	-	4	101	V
2	1.716	44.06	PK2	30.2	-26.2	48.06	-	-	-	-	110	200	V
3	6.58	39.91	PK2	35.2	-29.3	45.81	-	-	-	-	110	101	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

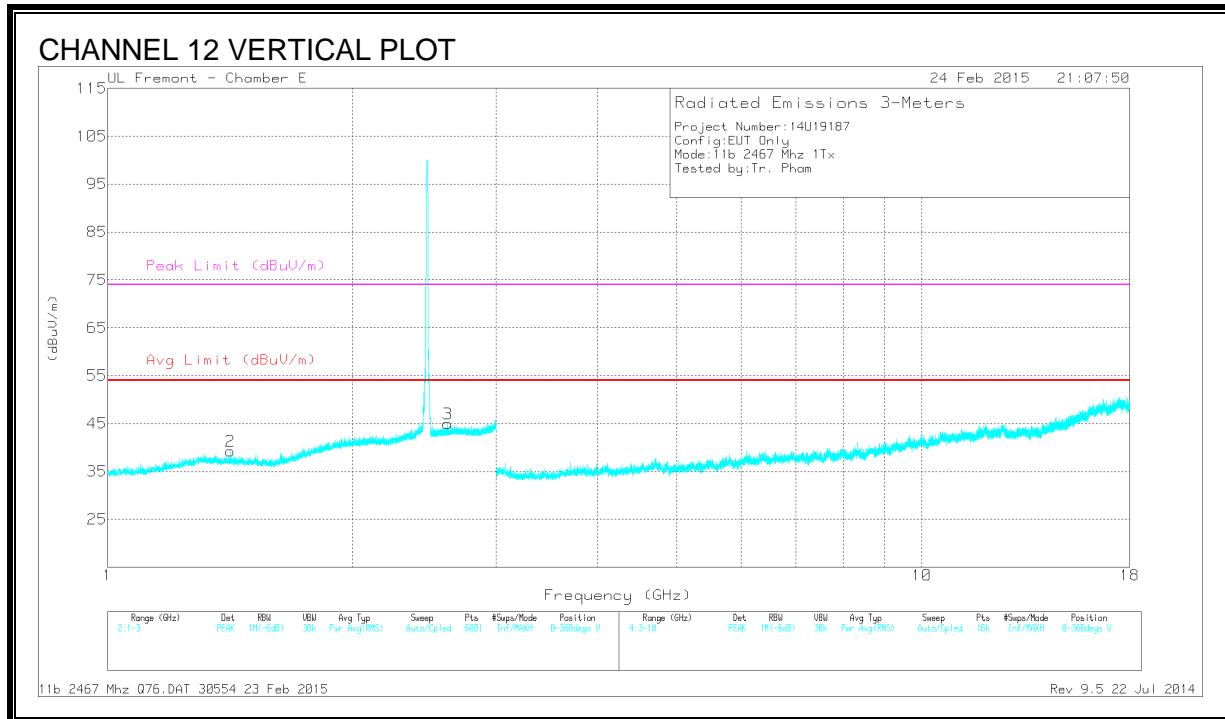
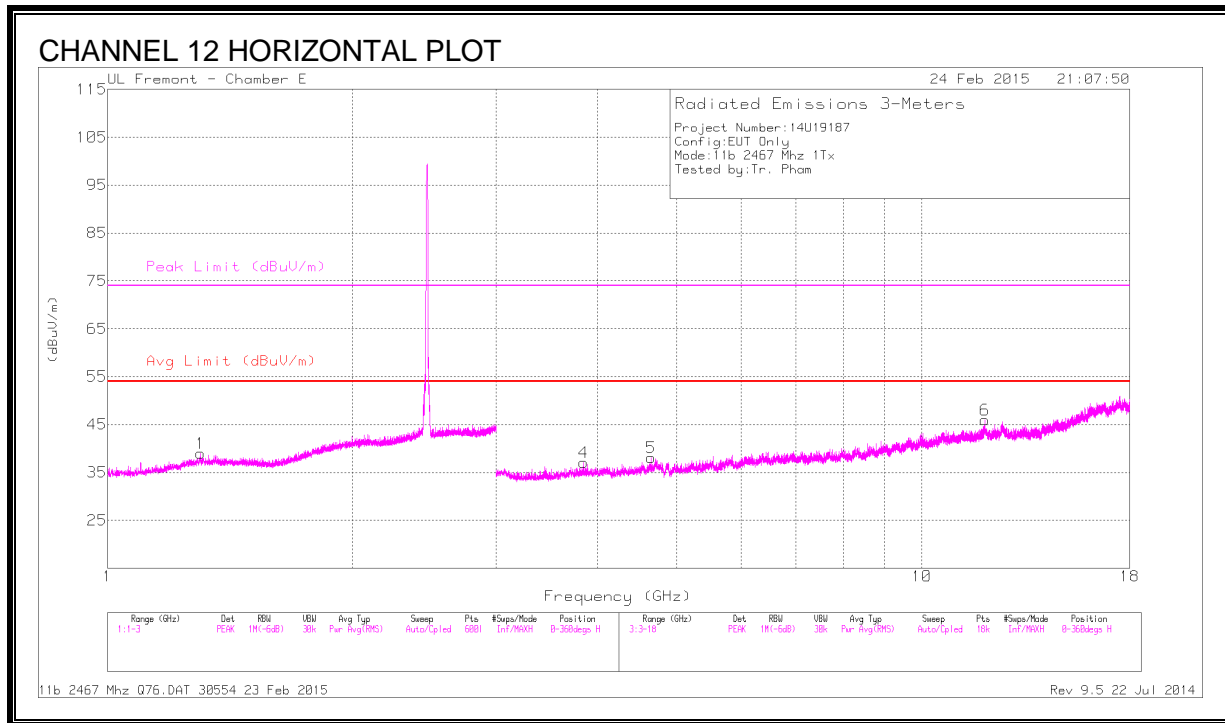
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.361	43.79	PK2	32	-24.8	50.99	-	-	74	-23.01	318	101	H
	* 2.36	31.88	MAv1	32	-24.8	39.08	54	-14.92	-	-	318	101	H
2	* 2.705	43.68	PK2	32	-23.9	51.78	-	-	74	-22.22	53	101	H
	* 2.706	31.66	MAv1	32	-23.9	39.76	54	-14.24	-	-	53	101	H
4	* 4.545	42.37	PK2	33.8	-31.2	44.97	-	-	74	-29.03	192	101	H
	* 4.542	30.53	MAv1	33.8	-31.3	33.03	54	-20.97	-	-	192	101	H
5	* 12.534	36.67	PK2	38.6	-23.1	52.17	-	-	74	-21.83	10	399	H
	* 12.533	25.32	MAv1	38.6	-23.1	40.82	54	-13.18	-	-	10	399	H
6	* 12.582	37.01	PK2	38.7	-23.6	52.11	-	-	74	-21.89	143	201	V
	* 12.58	25.79	MAv1	38.7	-23.6	40.89	54	-13.11	-	-	143	201	V
3	1.727	44.17	PK2	30.2	-26.2	48.17	-	-	-	-	53	200	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 12 HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

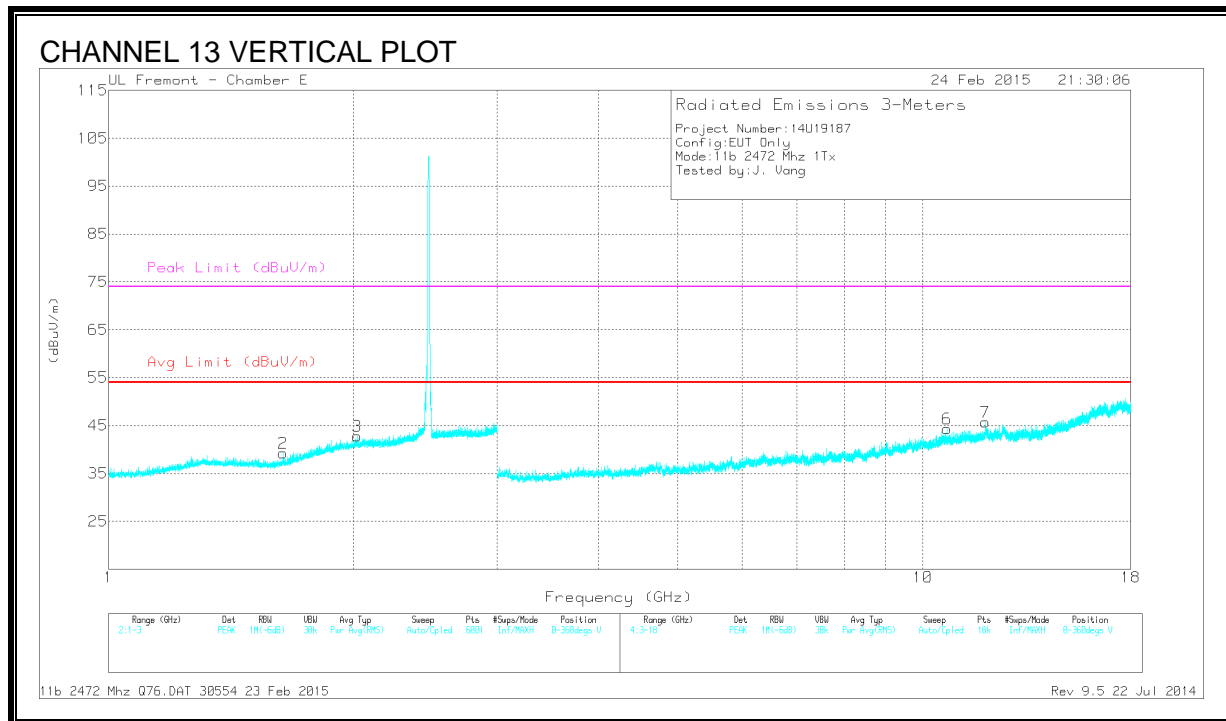
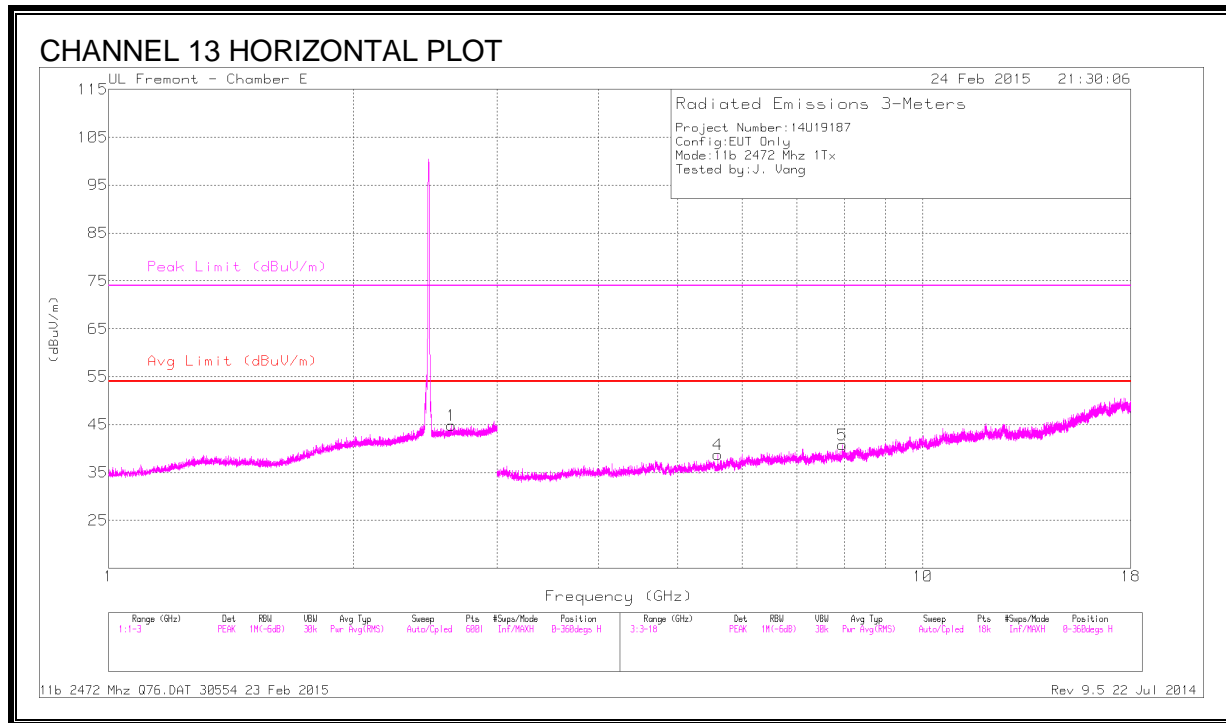
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.299	44.65	PK2	29	-27	46.65	-	-	74	-27.35	36	181	H
	* 1.301	32.8	MAv1	29	-27	34.8	54	-19.2	-	-	36	181	H
2	* 1.414	44.2	PK2	28.5	-26.4	46.3	-	-	74	-27.7	130	201	V
	* 1.416	32.6	MAv1	28.4	-26.4	34.6	54	-19.4	-	-	130	201	V
4	* 3.843	41.85	PK2	33.5	-31.4	43.95	-	-	74	-30.05	254	155	H
	* 3.846	30.93	MAv1	33.5	-31.3	33.13	54	-20.87	-	-	254	155	H
5	* 4.649	40.28	PK2	34.1	-29.9	44.48	-	-	74	-29.52	155	133	H
	* 4.648	29.46	MAv1	34.1	-29.9	33.66	54	-20.34	-	-	155	133	H
6	* 11.955	36.05	PK2	38.5	-22.3	52.25	-	-	74	-21.75	233	213	H
	* 11.955	25.35	MAv1	38.5	-22.3	41.55	54	-12.45	-	-	233	213	H
3	2.615	44	PK2	32.4	-24.2	52.2	-	-	-	-	283	101	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 13 HARMONICS AND SPURIOUS EMISSIONS**





**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 10.711	35.9	PK2	37.9	-23.6	50.2	-	-	74	-23.8	258	121	V
	* 10.71	25.67	MAv1	37.9	-23.6	39.97	54	-14.03	-	-	258	121	V
7	* 11.937	37.07	PK2	38.5	-22.3	53.27	-	-	74	-20.73	313	101	V
	* 11.936	25.44	MAv1	38.5	-22.3	41.64	54	-12.36	-	-	313	101	V
2	1.639	44.13	PK2	28.3	-26.5	45.93	-	-	-	-	322	145	V
3	2.02	42.99	PK2	31.3	-24.9	49.39	-	-	-	-	95	245	V
1	2.637	43.04	PK2	32.4	-24	51.44	-	-	-	-	155	197	H
4	5.599	40.27	PK2	34.5	-30.2	44.57	-	-	-	-	248	158	H
5	7.968	37.78	PK2	35.8	-26.3	47.28	-	-	-	-	109	211	H

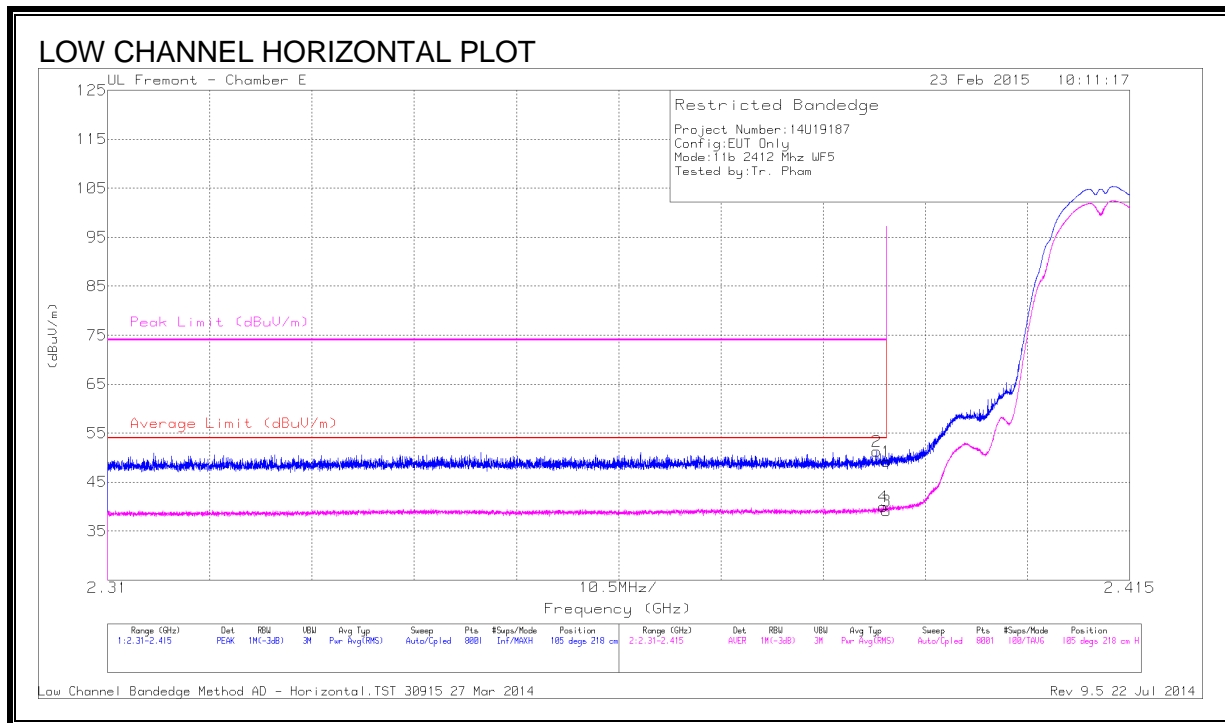
\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 9.4. 802.11b 1Tx ANTENNA D MODE IN THE 2.4 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)



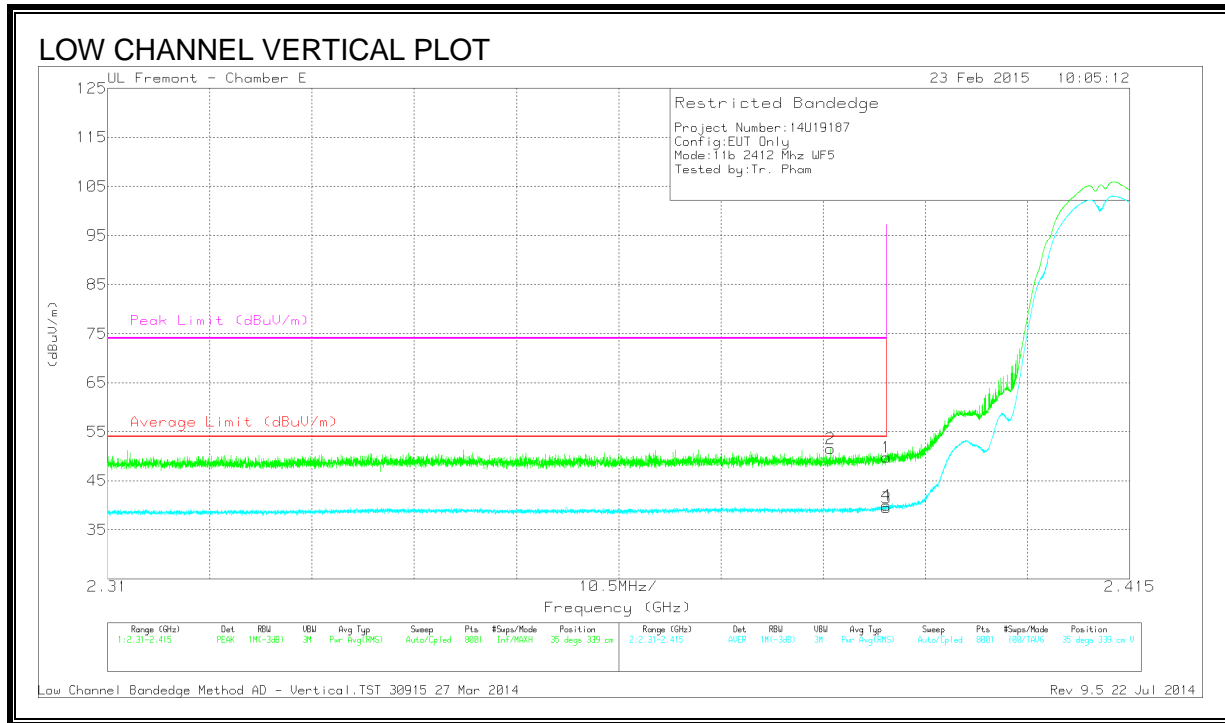
#### DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.82	PK	32.1	-24.7	49.22	-	-	74	-24.78	105	218	H
2	* 2.389	43.85	PK	32.1	-24.7	51.25	-	-	74	-22.75	105	218	H
3	* 2.39	31.72	RMS	32.1	-24.7	39.12	54	-14.88	-	-	105	218	H
4	* 2.39	32.53	RMS	32.1	-24.7	39.93	54	-14.07	-	-	105	218	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

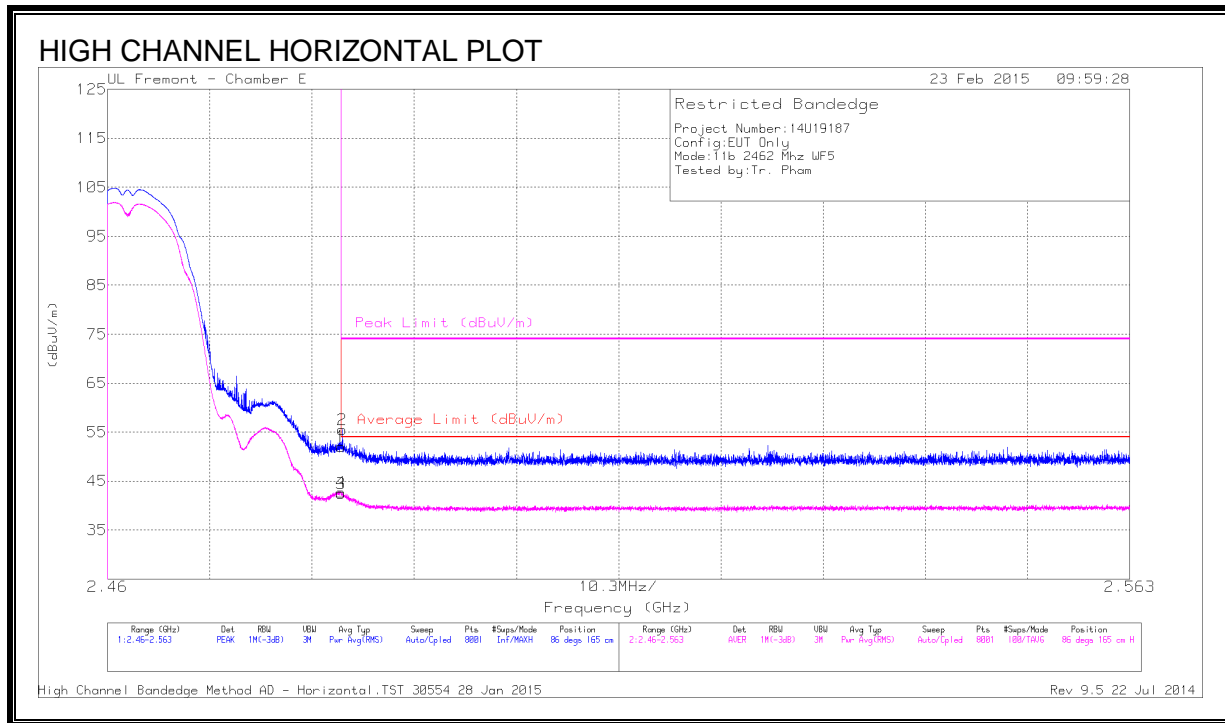
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.38	PK	32.1	-24.7	49.78	-	-	74	-24.22	35	339	V
2	* 2.384	44.11	PK	32	-24.6	51.51	-	-	74	-22.49	35	339	V
3	* 2.39	32.1	RMS	32.1	-24.7	39.5	54	-14.5	-	-	35	339	V
4	* 2.39	32.56	RMS	32.1	-24.7	39.96	54	-14.04	-	-	35	339	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**



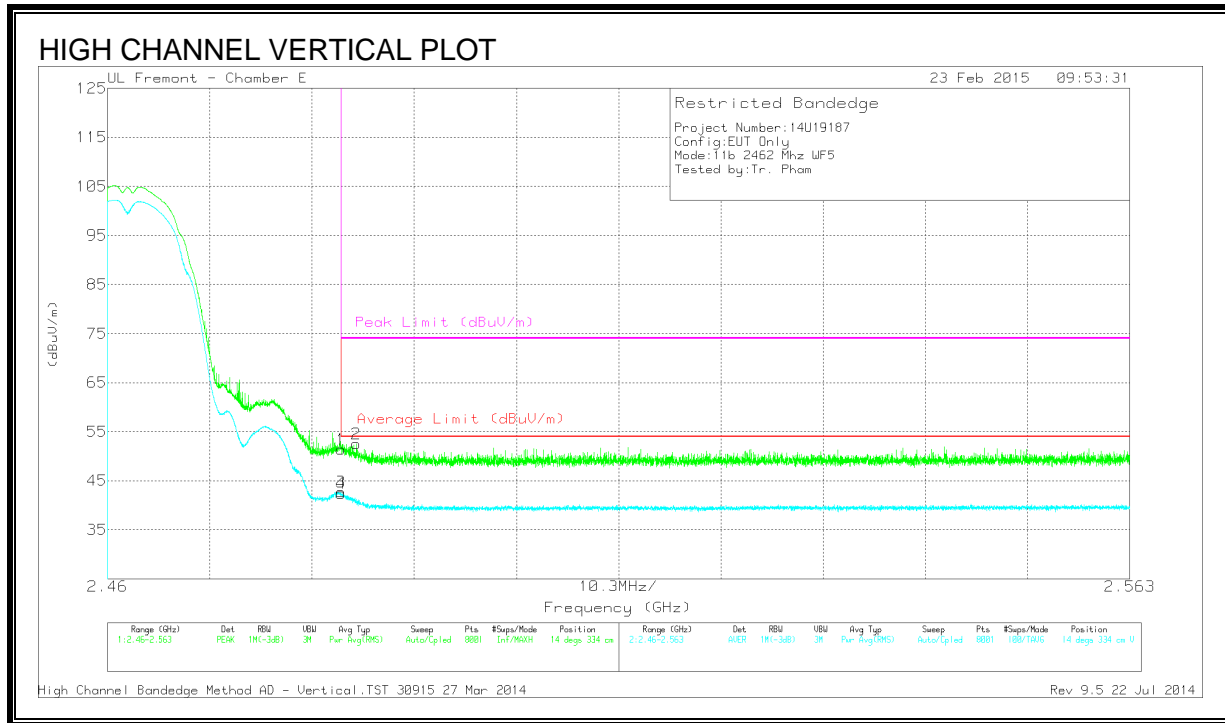
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.19	PK	32.2	-24.3	52.09	-	-	74	-21.91	86	165	H
2	* 2.484	47.59	PK	32.2	-24.3	55.49	-	-	74	-18.51	86	165	H
3	* 2.484	34.52	RMS	32.2	-24.3	42.42	54	-11.58	-	-	86	165	H
4	* 2.484	34.83	RMS	32.2	-24.3	42.73	54	-11.27	-	-	86	165	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

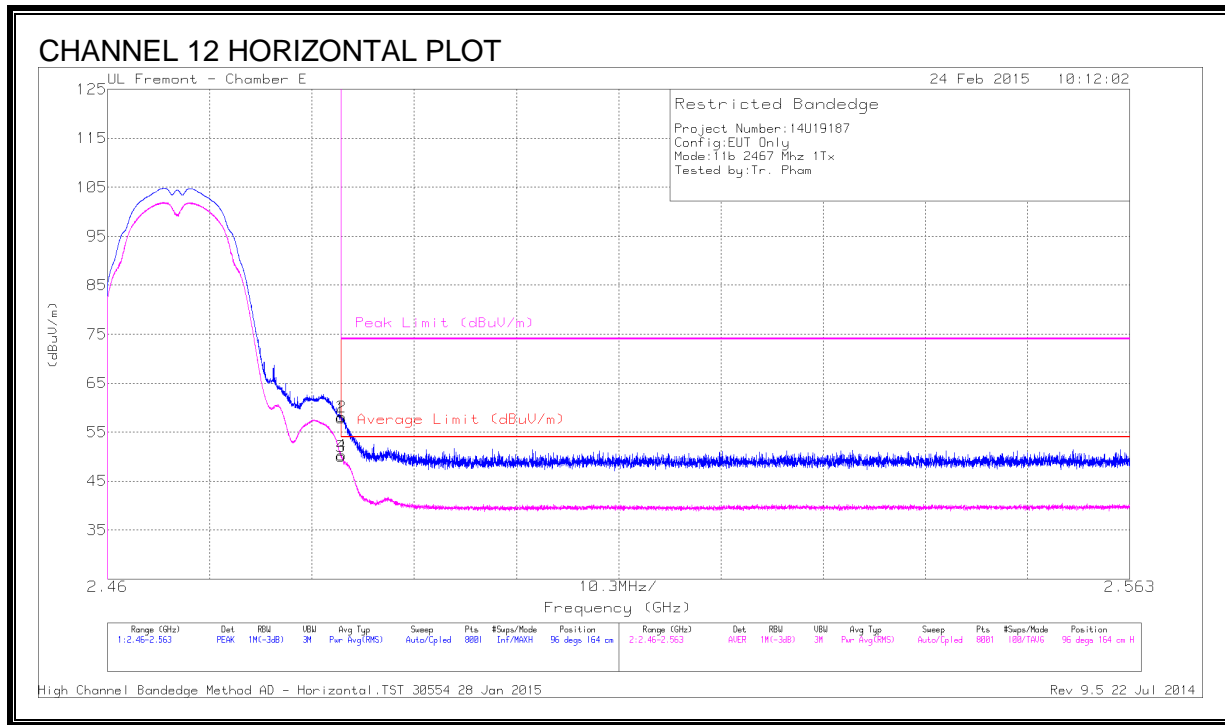
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.54	PK	32.2	-24.3	51.44	-	-	74	-22.56	14	334	V
2	* 2.485	44.61	PK	32.2	-24.3	52.51	-	-	74	-21.49	14	334	V
3	* 2.484	34.82	RMS	32.2	-24.3	42.72	54	-11.28	-	-	14	334	V
4	* 2.484	34.51	RMS	32.2	-24.3	42.41	54	-11.59	-	-	14	334	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 12)**



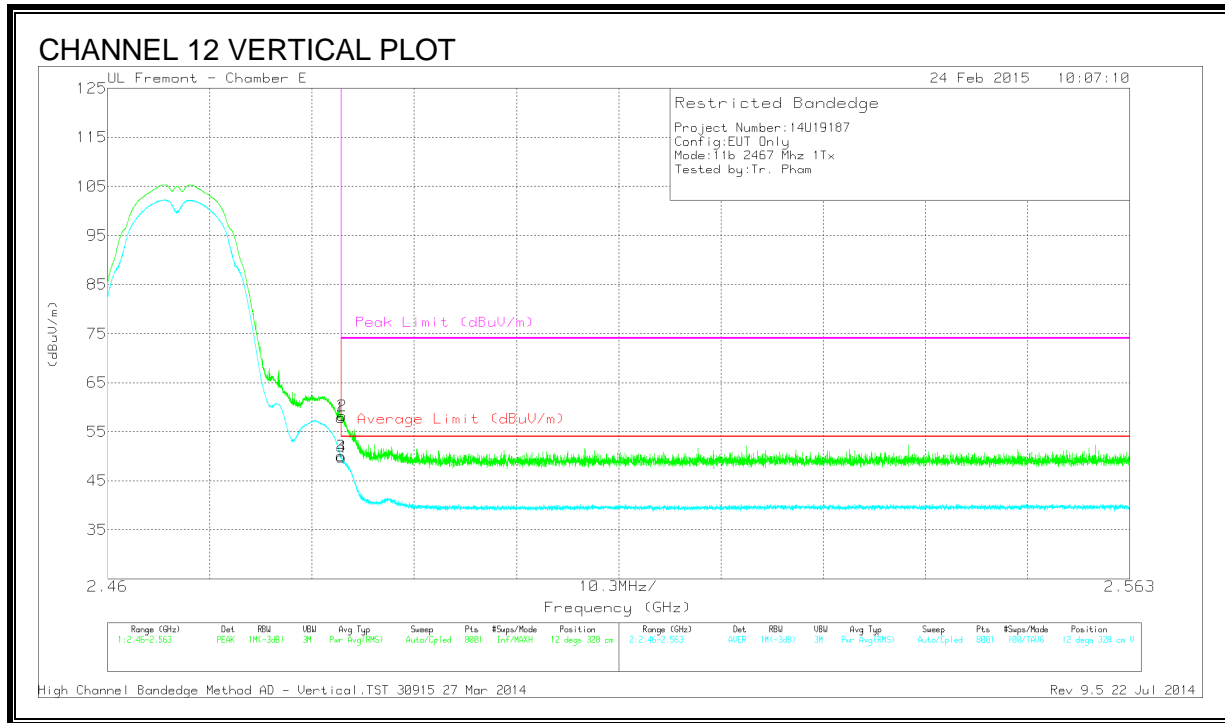
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.01	PK	32.2	-24.3	57.91	-	-	74	-16.09	96	164	H
2	* 2.484	50.24	PK	32.2	-24.3	58.14	-	-	74	-15.86	96	164	H
3	* 2.484	42.18	RMS	32.2	-24.3	50.08	54	-3.92	-	-	96	164	H
4	* 2.484	42.43	RMS	32.2	-24.3	50.33	54	-3.67	-	-	96	164	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

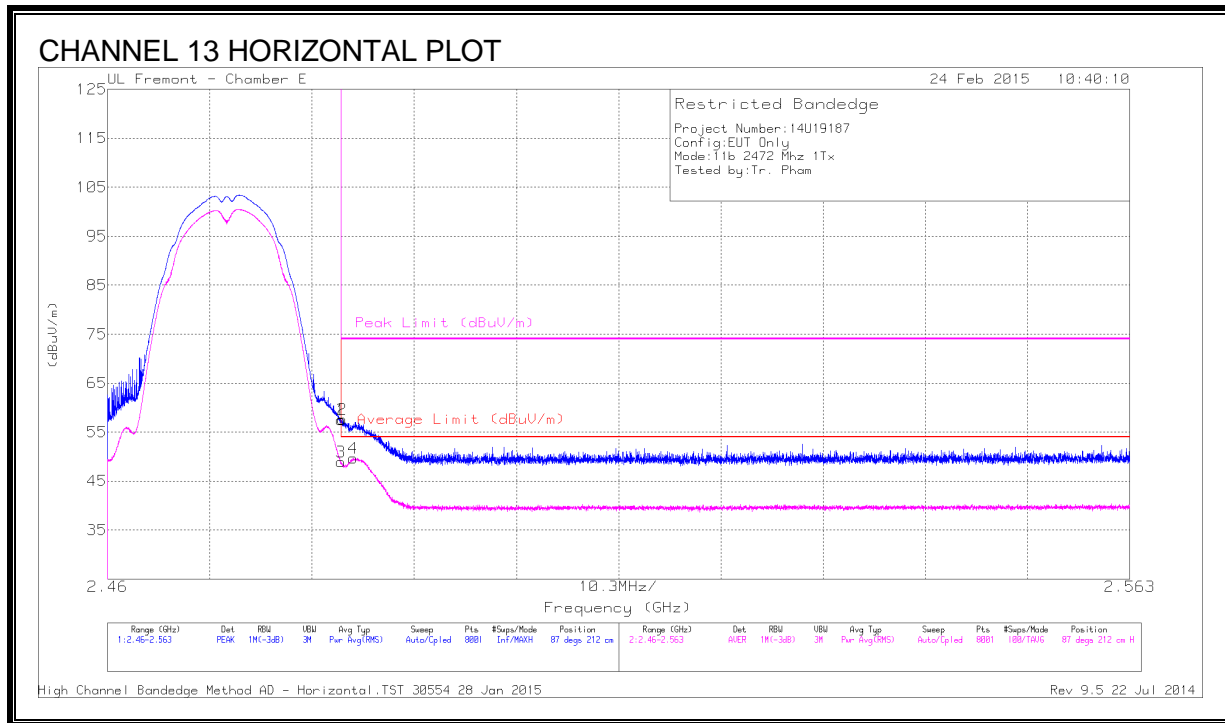
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.91	PK	32.2	-24.3	57.81	-	-	74	-16.19	12	328	V
2	* 2.484	50.31	PK	32.2	-24.3	58.21	-	-	74	-15.79	12	328	V
3	* 2.484	42.13	RMS	32.2	-24.3	50.03	54	-3.97	-	-	12	328	V
4	* 2.484	41.91	RMS	32.2	-24.3	49.81	54	-4.19	-	-	12	328	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 13)**



**DATA**

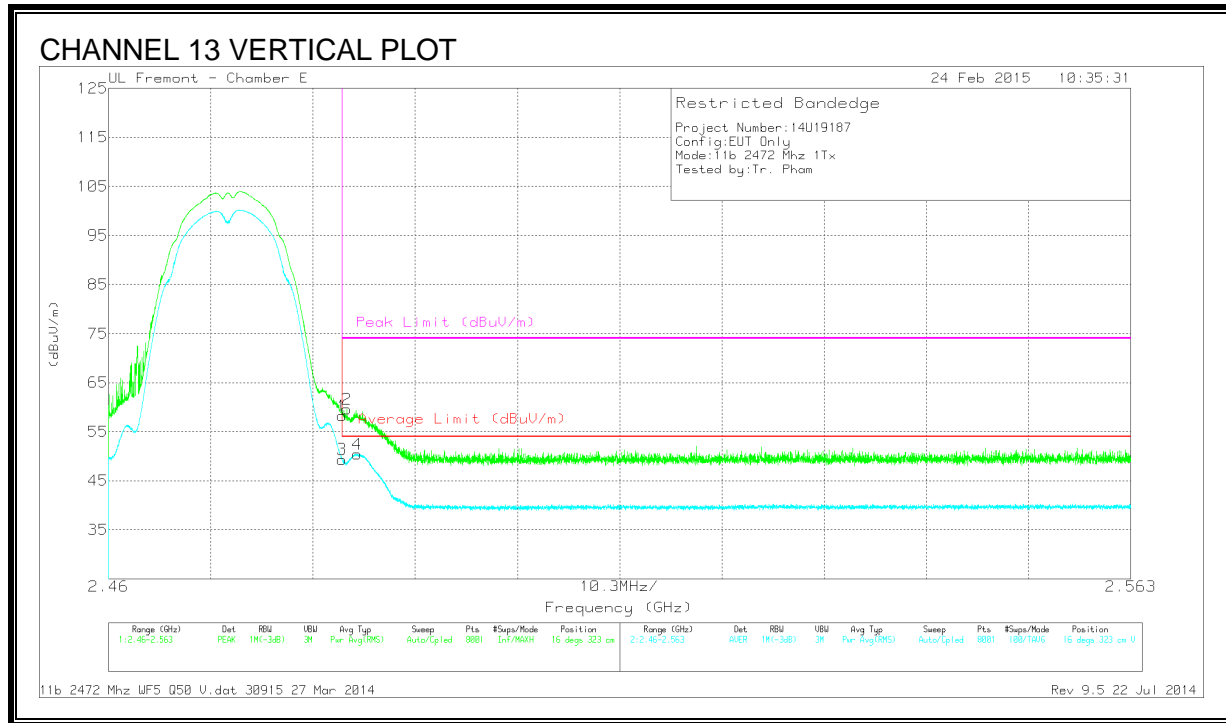
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.61	PK	32.2	-24.3	57.51	-	-	74	-16.49	87	212	H
2	* 2.484	49.69	PK	32.2	-24.3	57.59	-	-	74	-16.41	87	212	H
3	* 2.484	40.98	RMS	32.2	-24.3	48.88	54	-5.12	-	-	87	212	H
4	* 2.485	41.75	RMS	32.2	-24.3	49.65	54	-4.35	-	-	87	212	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection





**DATA**

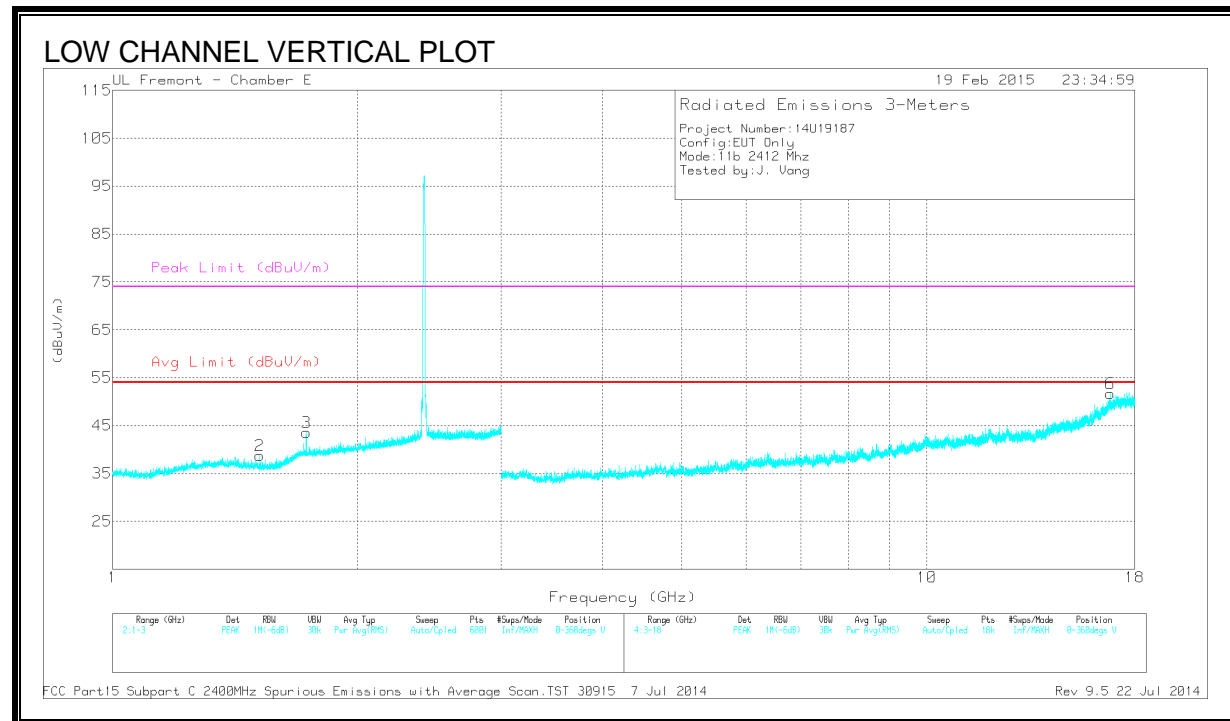
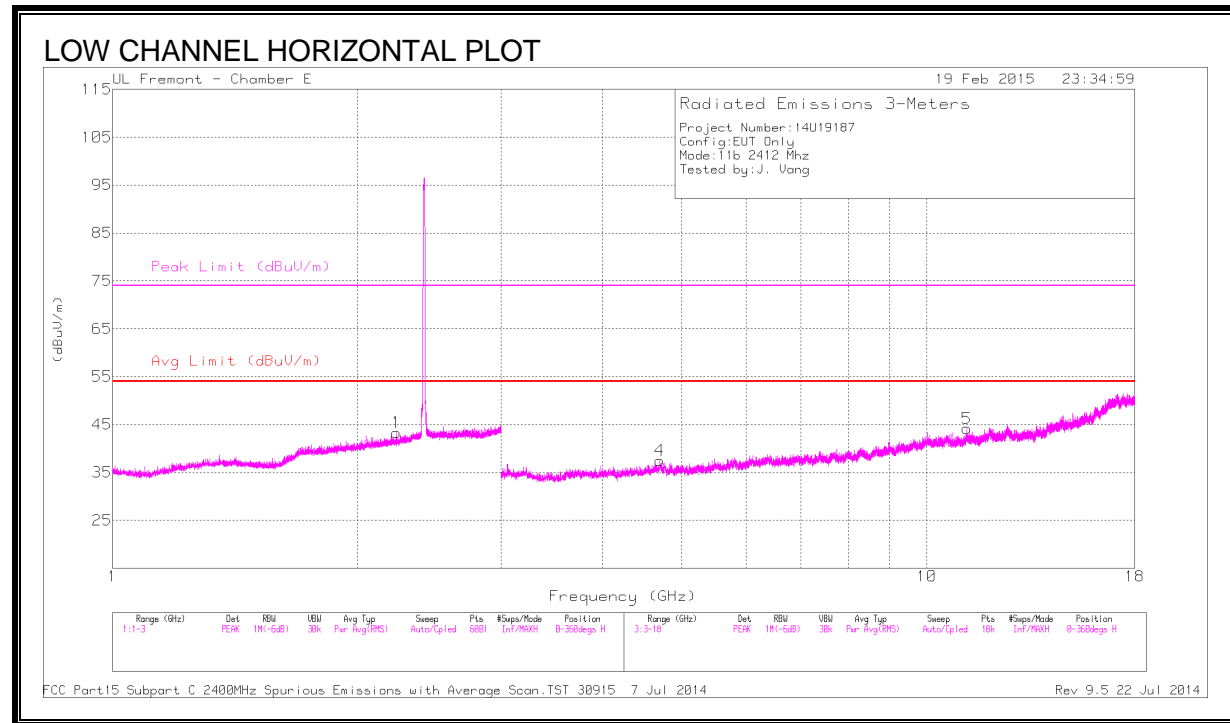
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.32	PK	32.2	-24.3	58.22	-	-	74	-15.78	16	323	V
2	* 2.484	51.74	PK	32.2	-24.3	59.64	-	-	74	-14.36	16	323	V
3	* 2.484	41.46	RMS	32.2	-24.3	49.36	54	-4.64	-	-	16	323	V
4	* 2.485	42.52	RMS	32.2	-24.3	50.42	54	-3.58	-	-	16	323	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

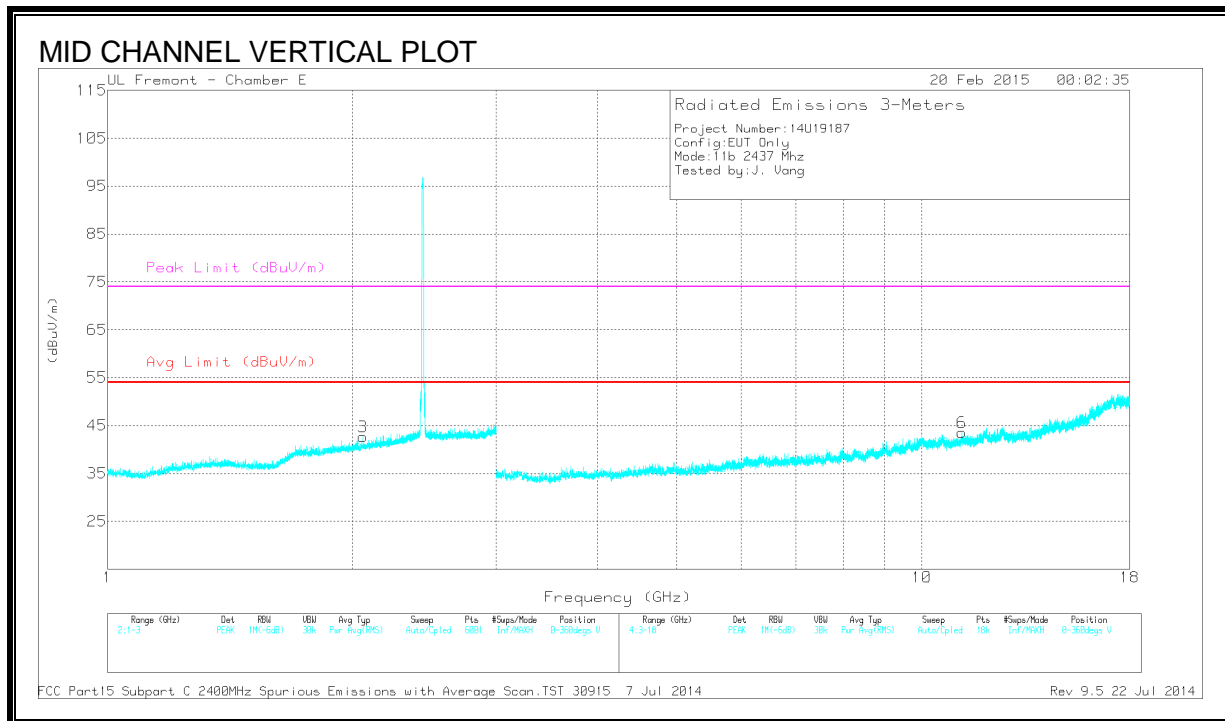
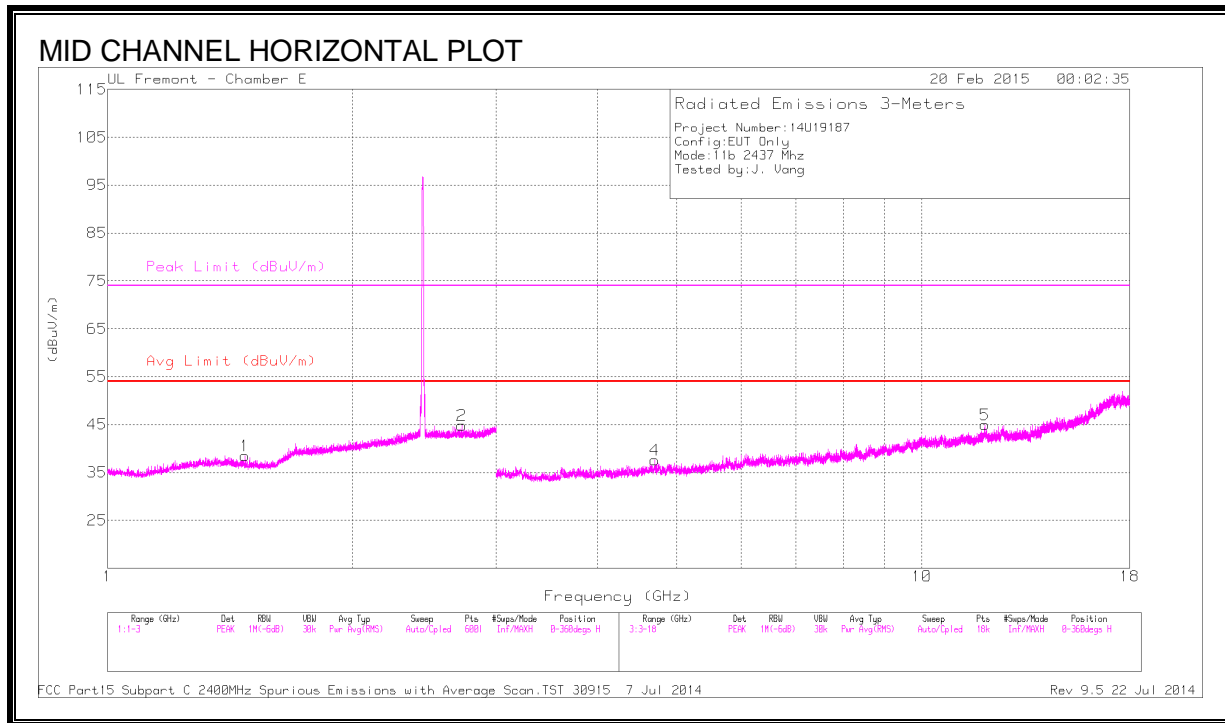
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.23	43.73	PK2	31.5	-25.2	50.03	-	-	74	-23.97	284	251	H
	* 2.229	31.92	MAv1	31.5	-25.2	38.22	54	-15.78	-	-	284	251	H
2	* 1.517	44.48	PK2	27.7	-26.3	45.88	-	-	74	-28.12	305	201	V
	* 1.515	32.12	MAv1	27.6	-26.3	33.42	54	-20.58	-	-	305	201	V
4	* 4.699	41.98	PK2	34	-30.3	45.68	-	-	74	-28.32	189	101	H
	* 4.701	29.97	MAv1	34	-30.3	33.67	54	-20.33	-	-	189	101	H
5	* 11.203	36.1	PK2	37.5	-23.3	50.3	-	-	74	-23.7	340	101	H
	* 11.202	25.05	MAv1	37.5	-23.3	39.25	54	-14.75	-	-	340	101	H
3	1.728	48.35	PK2	30.2	-26.2	52.35	-	-	-	-	305	201	V
6	16.797	35.16	PK2	42	-19.6	57.56	-	-	-	-	340	101	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

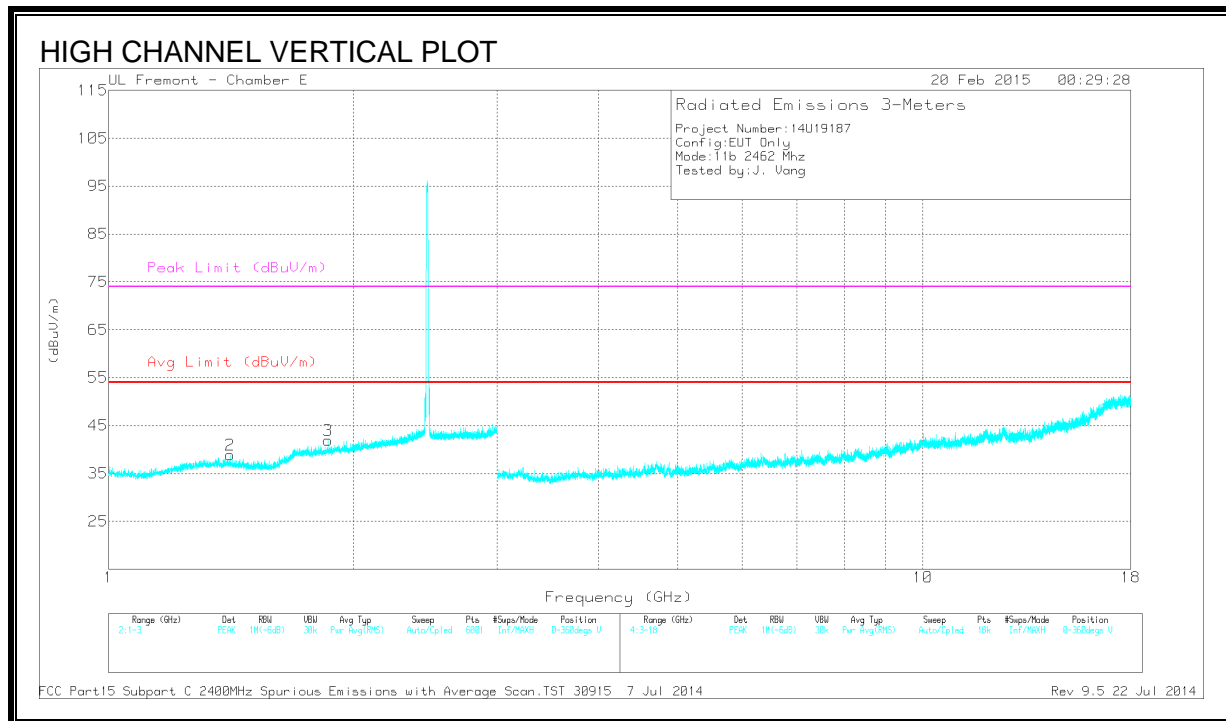
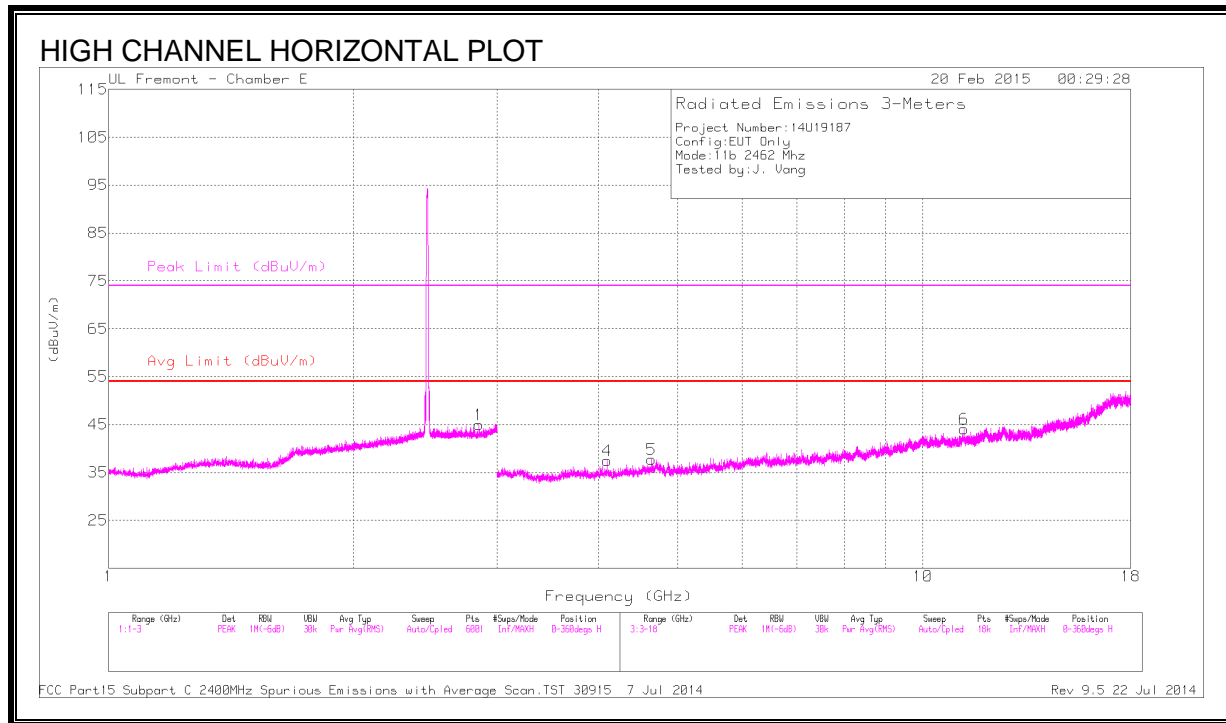
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.474	43.68	PK2	27.8	-26.4	45.08	-	-	74	-28.92	275	337	H
	* 1.477	32.07	MAv1	27.8	-26.4	33.47	54	-20.53	-	-	275	337	H
2	* 2.721	43.22	PK2	32	-24	51.22	-	-	74	-22.78	275	102	H
	* 2.72	32.14	MAv1	32	-24	40.14	54	-13.86	-	-	275	102	H
4	* 4.698	41.95	PK2	34	-30.3	45.65	-	-	74	-28.35	343	123	H
	* 4.701	30.01	MAv1	34	-30.3	33.71	54	-20.29	-	-	343	123	H
5	* 11.961	35.93	PK2	38.1	-22.5	51.53	-	-	74	-22.47	343	200	H
	* 11.959	25.47	MAv1	38.1	-22.4	41.17	54	-12.83	-	-	343	200	H
6	* 11.19	36.92	PK2	37.4	-22.9	51.42	-	-	74	-22.58	98	200	V
	* 11.19	25.13	MAv1	37.4	-22.9	39.63	54	-14.37	-	-	98	200	V
3	2.058	44.06	PK2	30.7	-24.9	49.86	-	-	-	-	275	102	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

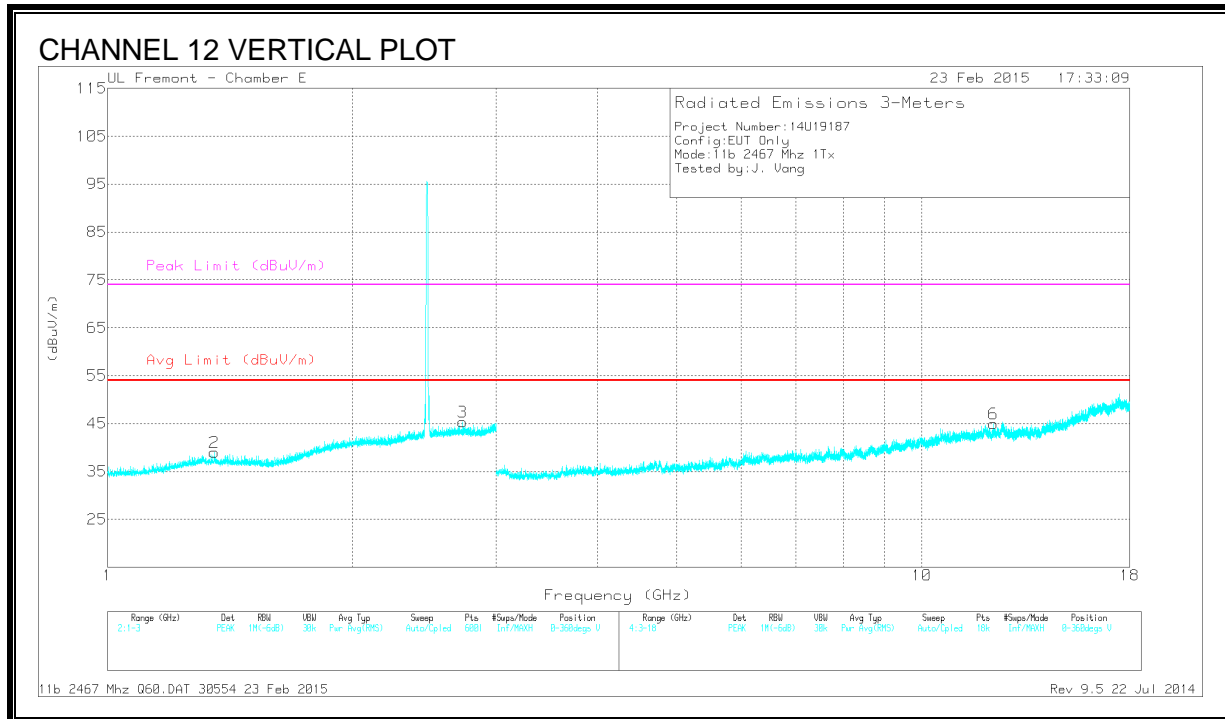
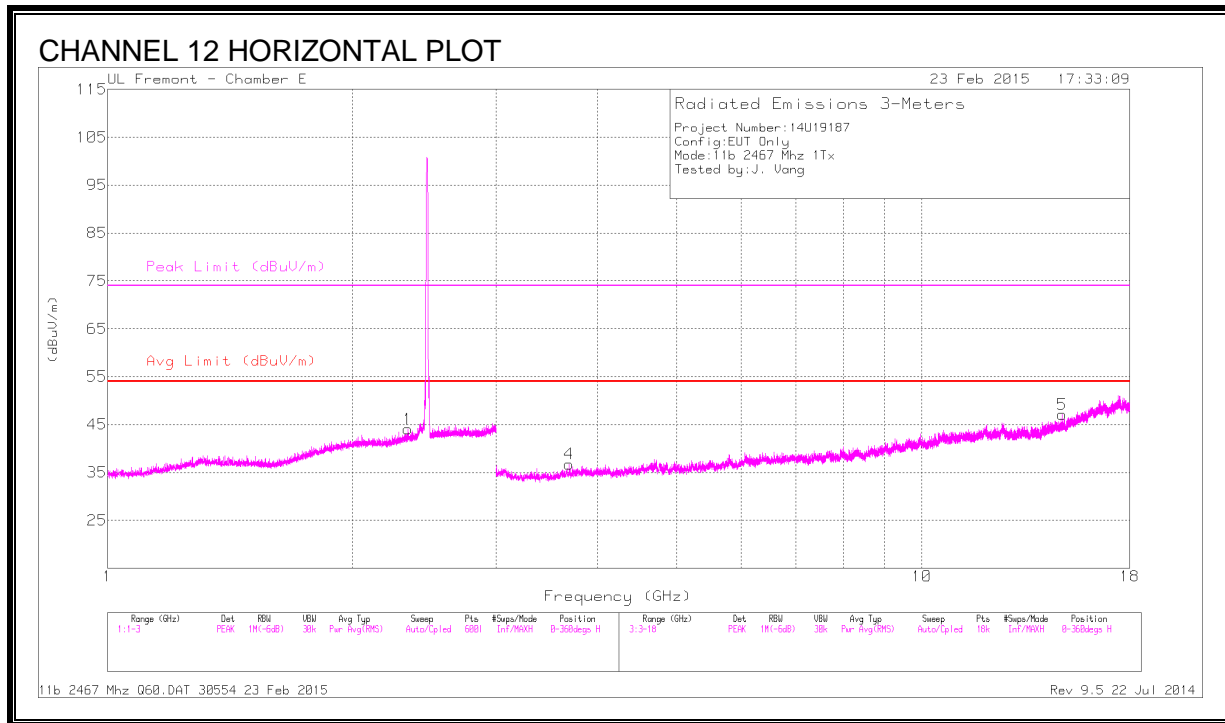
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.849	43.66	PK2	32.1	-24.1	51.66	-	-	74	-22.34	76	101	H
	* 2.849	31.69	MAv1	32.1	-24.1	39.69	54	-14.31	-	-	76	101	H
2	* 1.412	43.96	PK2	28.3	-26.4	45.86	-	-	74	-28.14	147	101	V
	* 1.411	32.12	MAv1	28.3	-26.4	34.02	54	-19.98	-	-	147	101	V
4	* 4.097	41.1	PK2	33.1	-30.5	43.7	-	-	74	-30.3	81	200	H
	* 4.093	29.57	MAv1	33.1	-30.6	32.07	54	-21.93	-	-	81	200	H
5	* 4.646	40.13	PK2	33.9	-29.8	44.23	-	-	74	-29.77	81	102	H
	* 4.645	29.39	MAv1	33.9	-29.8	33.49	54	-20.51	-	-	81	102	H
6	* 11.227	36.69	PK2	37.5	-23.4	50.79	-	-	74	-23.21	81	120	H
	* 11.225	25.67	MAv1	37.5	-23.5	39.67	54	-14.33	-	-	81	120	H
3	1.857	43.84	PK2	30.3	-25.6	48.54	-	-	-	-	147	200	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 12 HARMONICS AND SPURIOUS EMISSIONS**





**DATA**

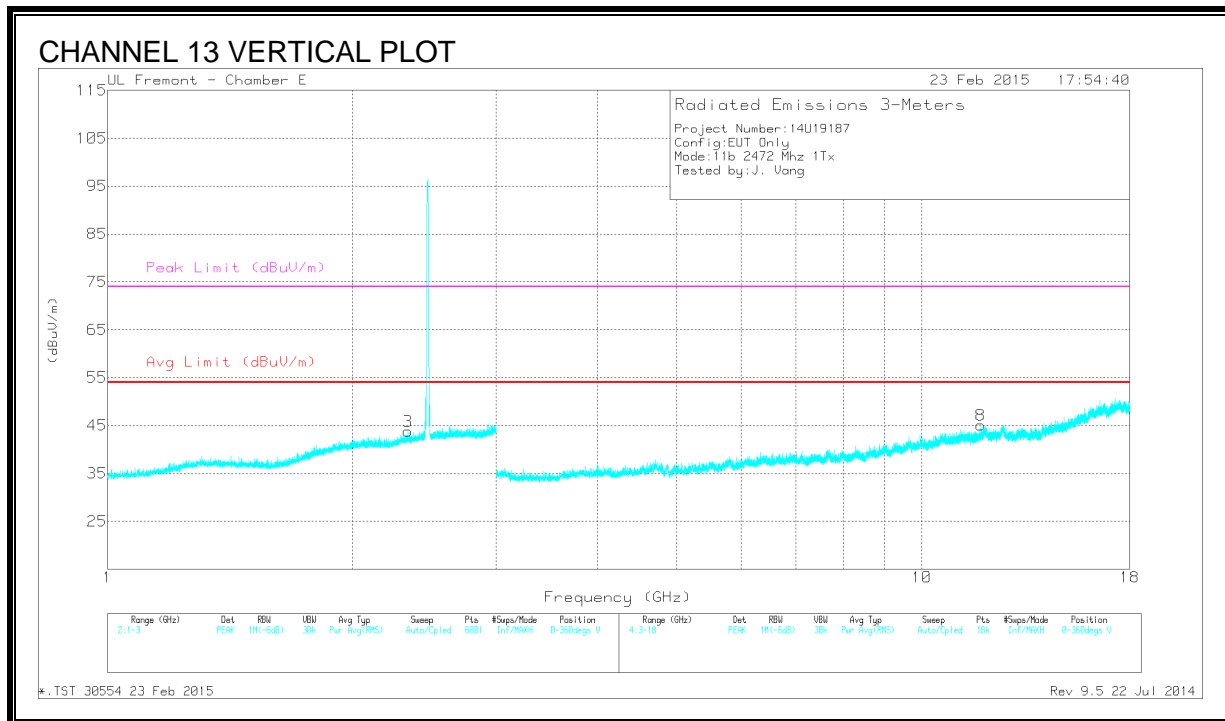
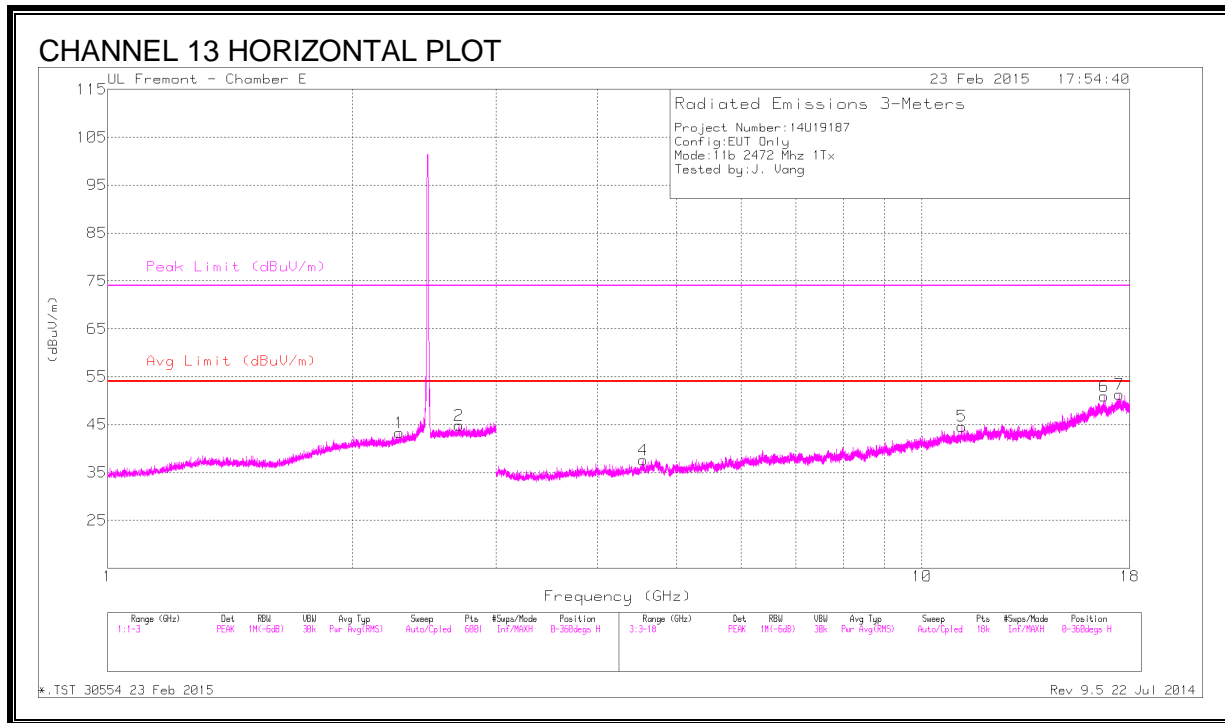
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.337	43.39	PK2	32	-24.7	50.69	-	-	74	-23.31	245	101	H
	* 2.34	32.26	MAv1	32	-24.7	39.56	54	-14.44	-	-	245	101	H
2	* 1.351	43.9	PK2	28.8	-26.6	46.1	-	-	74	-27.9	67	124	V
	* 1.353	32.64	MAv1	28.7	-26.6	34.74	54	-19.26	-	-	67	124	V
3	* 2.729	43.68	PK2	32.4	-24	52.08	-	-	74	-21.92	345	231	V
	* 2.729	31.99	MAv1	32.4	-24	40.39	54	-13.61	-	-	345	231	V
4	* 3.689	40.4	PK2	33.2	-30.8	42.8	-	-	74	-31.2	187	133	H
	* 3.688	30.11	MAv1	33.2	-30.8	32.51	54	-21.49	-	-	187	133	H
6	* 12.249	36.28	PK2	38.8	-23.8	51.28	-	-	74	-22.72	289	101	V
	* 12.246	25.65	MAv1	38.8	-23.9	40.55	54	-13.45	-	-	289	224	V
5	14.876	38.48	PK2	39.5	-24.3	53.68	-	-	-	-	332	112	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 13 HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.283	43.84	PK2	31.8	-25.1	50.54	-	-	74	-23.46	322	110	H
	* 2.282	32.38	MAv1	31.8	-25.1	39.08	54	-14.92	-	-	322	110	H
2	* 2.7	43.41	PK2	32.4	-23.9	51.91	-	-	74	-22.09	160	100	H
	* 2.702	32.08	MAv1	32.4	-23.9	40.58	54	-13.42	-	-	160	100	H
3	* 2.34	43.32	PK2	32	-24.7	50.62	-	-	74	-23.38	230	105	V
	* 2.339	32.36	MAv1	32	-24.6	39.76	54	-14.24	-	-	230	105	V
4	* 4.545	41.76	PK2	34	-31.2	44.56	-	-	74	-29.44	330	170	H
	* 4.546	30.96	MAv1	34	-31.2	33.76	54	-20.24	-	-	330	170	H
5	* 11.192	36.19	PK2	37.8	-23	50.99	-	-	74	-23.01	355	100	H
	* 11.188	25.78	MAv1	37.8	-22.9	40.68	54	-13.32	-	-	355	100	H
8	* 11.813	36.78	PK2	38.3	-23.5	51.58	-	-	74	-22.42	130	113	V
	* 11.813	25.88	MAv1	38.3	-23.4	40.78	54	-13.22	-	-	130	113	V
6	16.752	36.13	PK2	41.1	-19.8	57.43	-	-	-	-	332	122	H
7	17.479	35.26	PK2	41.1	-18	58.36	-	-	-	-	332	122	H

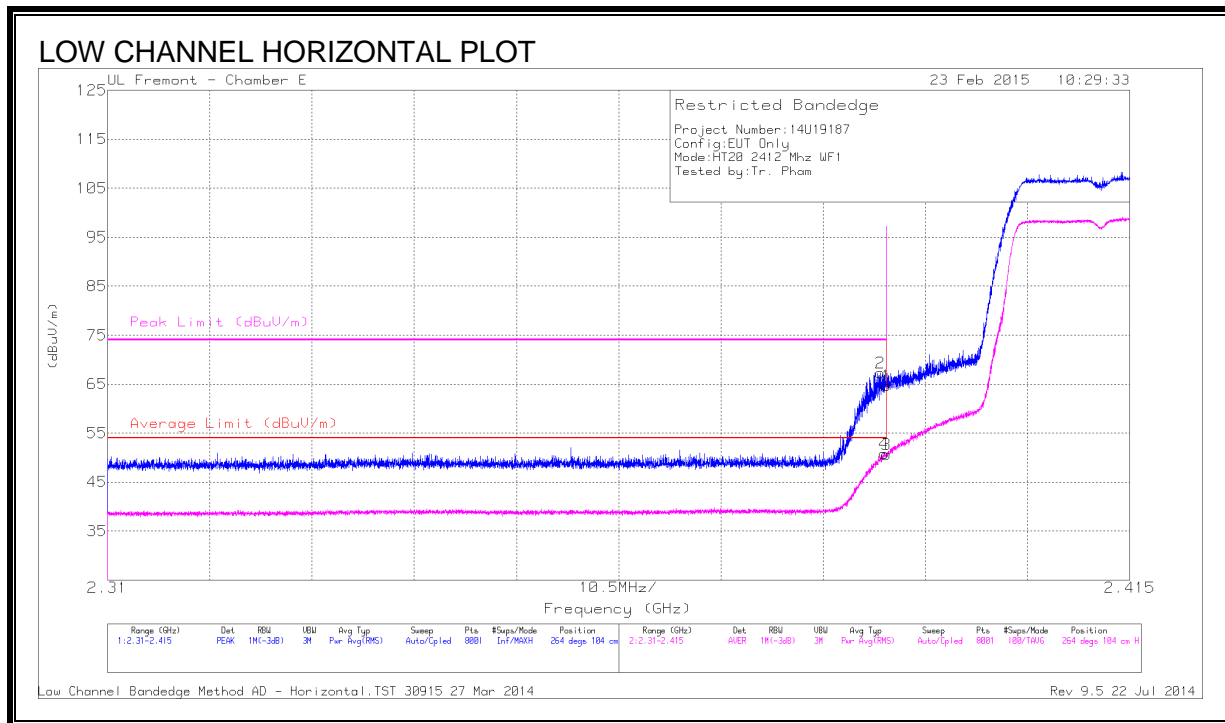
\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 9.5. 802.11n HT20 1Tx ANTENNA A MODE IN THE 2.4 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)



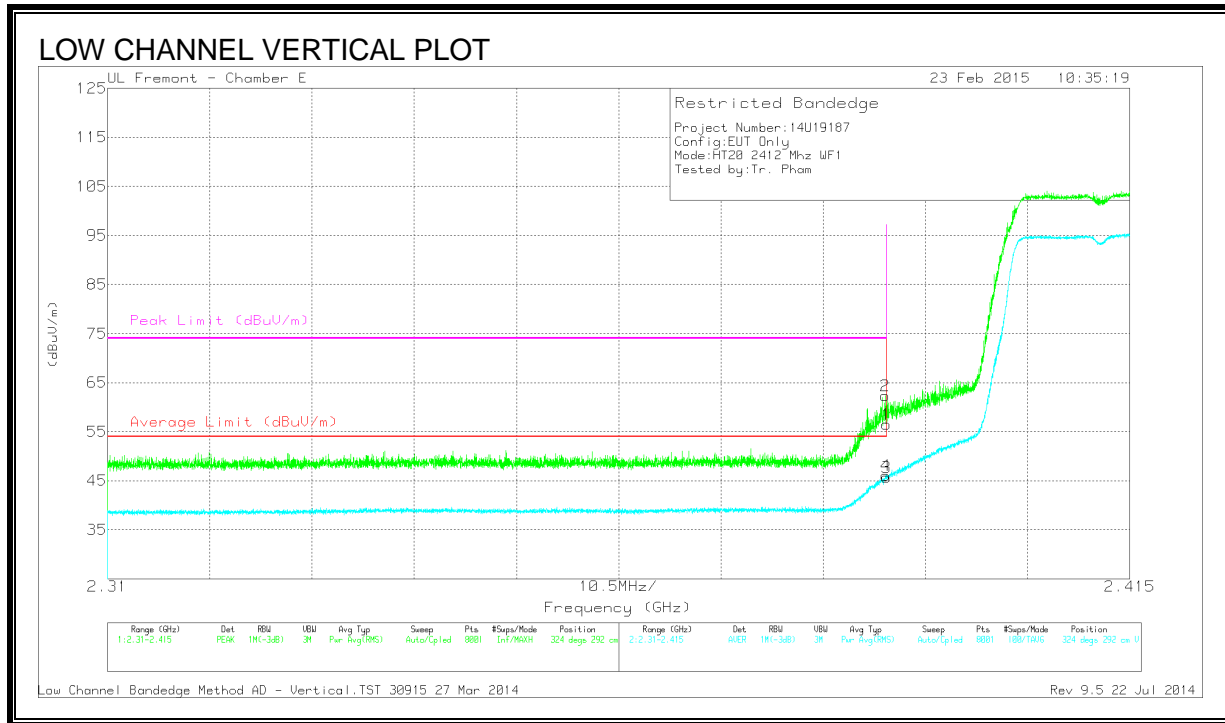
#### DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	57.35	PK	32.1	-24.7	64.75	-	-	74	-9.25	264	104	H
2	* 2.389	59.89	PK	32.1	-24.7	67.29	-	-	74	-6.71	264	104	H
3	* 2.39	43.31	RMS	32.1	-24.7	50.71	54	-3.29	-	-	264	104	H
4	* 2.39	43.41	RMS	32.1	-24.7	50.81	54	-3.19	-	-	264	104	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

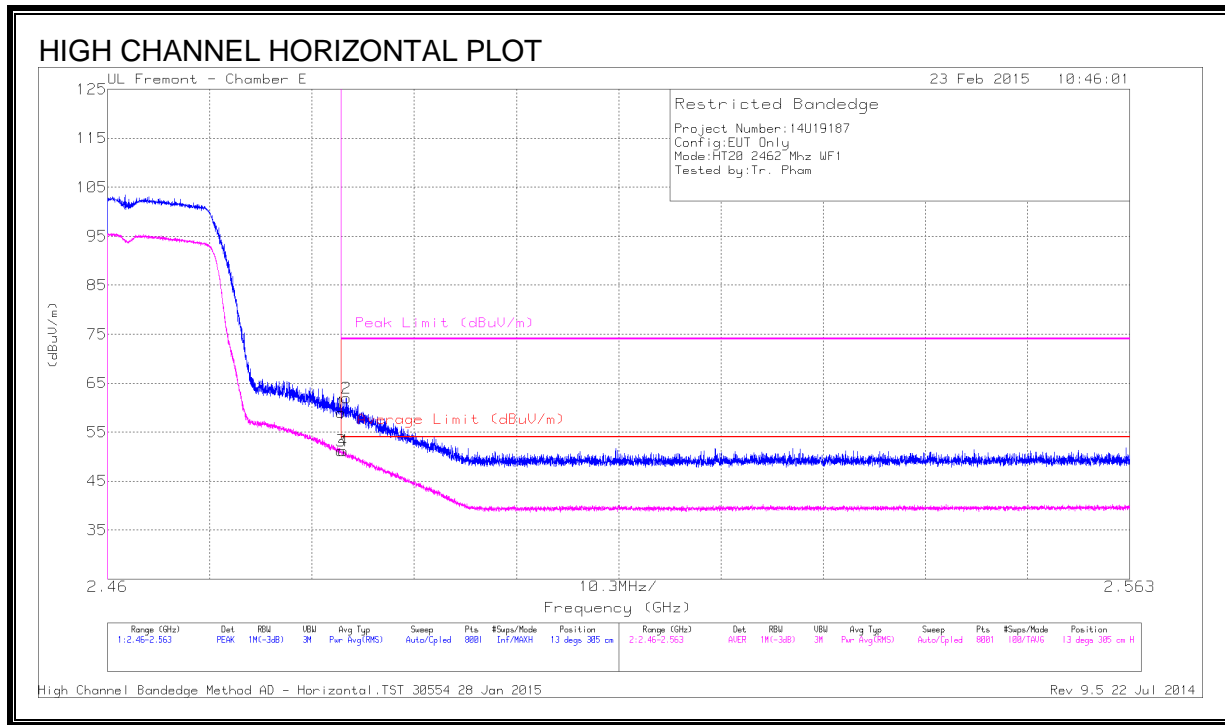
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	49.12	PK	32.1	-24.7	56.52	-	-	74	-17.48	324	292	V
2	* 2.39	54.97	PK	32.1	-24.7	62.37	-	-	74	-11.63	324	292	V
3	* 2.39	38.29	RMS	32.1	-24.7	45.69	54	-8.31	-	-	324	292	V
4	* 2.39	38.65	RMS	32.1	-24.7	46.05	54	-7.95	-	-	324	292	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**



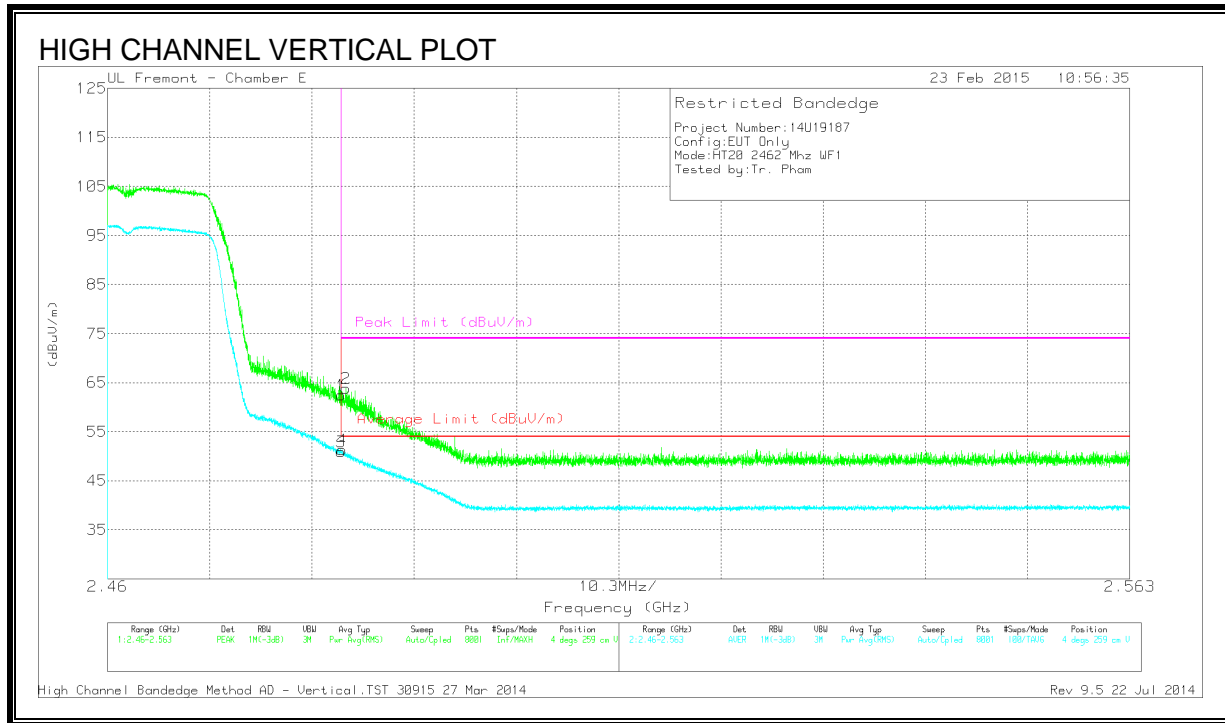
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.05	PK	32.2	-24.3	58.95	-	-	74	-15.05	13	305	H
2	* 2.484	54.08	PK	32.2	-24.3	61.98	-	-	74	-12.02	13	305	H
3	* 2.484	43.32	RMS	32.2	-24.3	51.22	54	-2.78	-	-	13	305	H
4	* 2.484	43.32	RMS	32.2	-24.3	51.22	54	-2.78	-	-	13	305	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

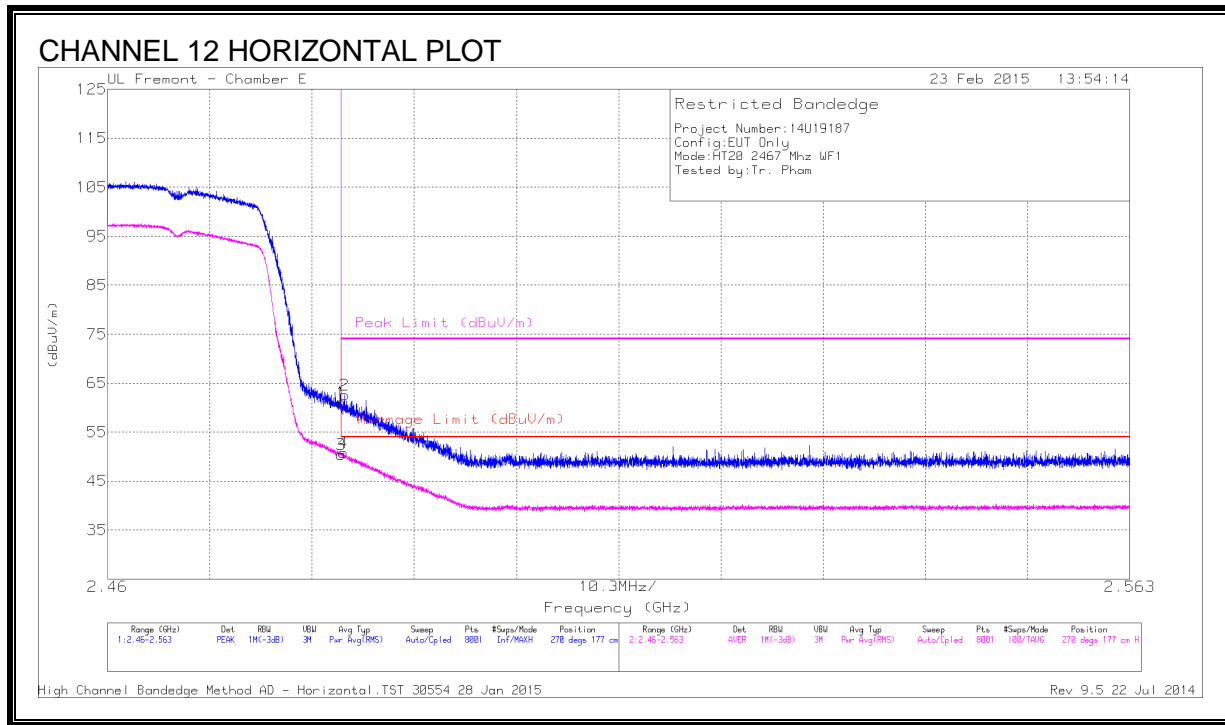
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.52	PK	32.2	-24.3	62.42	-	-	74	-11.58	4	259	V
2	* 2.484	55.9	PK	32.2	-24.3	63.8	-	-	74	-10.2	4	259	V
3	* 2.484	43.01	RMS	32.2	-24.3	50.91	54	-3.09	-	-	4	259	V
4	* 2.484	43.33	RMS	32.2	-24.3	51.23	54	-2.77	-	-	4	259	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 12)**



**DATA**

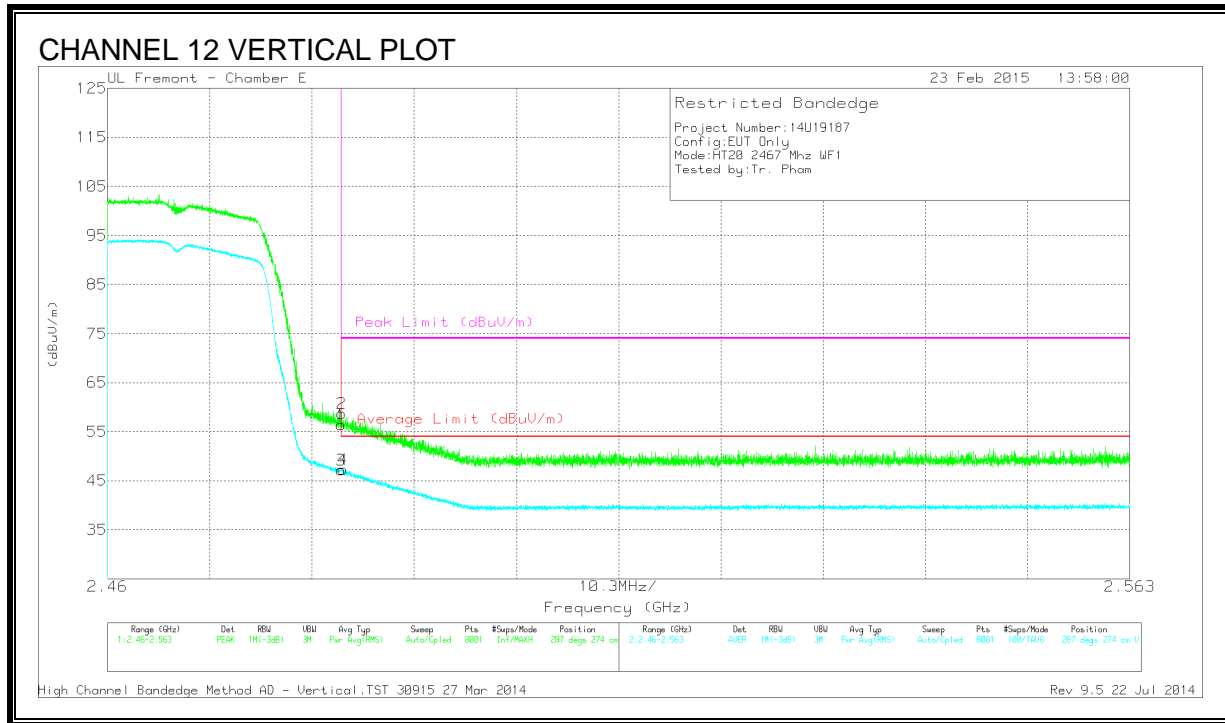
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.21	PK	32.2	-24.3	61.11	-	-	74	-12.89	270	177	H
2	* 2.484	54.64	PK	32.2	-24.3	62.54	-	-	74	-11.46	270	177	H
3	* 2.484	42.47	RMS	32.2	-24.3	50.37	54	-3.63	-	-	270	177	H
4	* 2.484	42.9	RMS	32.2	-24.3	50.8	54	-3.2	-	-	270	177	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection





**DATA**

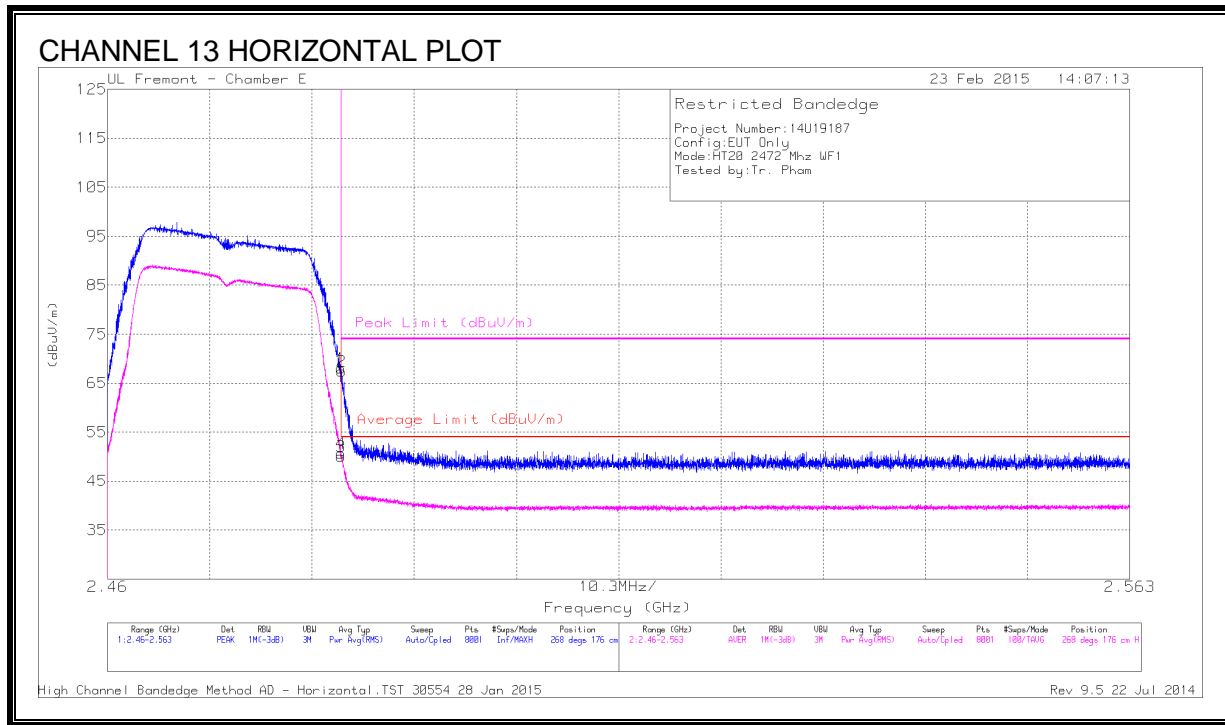
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.52	PK	32.2	-24.3	56.42	-	-	74	-17.58	287	274	V
2	* 2.484	50.87	PK	32.2	-24.3	58.77	-	-	74	-15.23	287	274	V
3	* 2.484	39.32	RMS	32.2	-24.3	47.22	54	-6.78	-	-	287	274	V
4	* 2.484	39.46	RMS	32.2	-24.3	47.36	54	-6.64	-	-	287	274	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 13)**



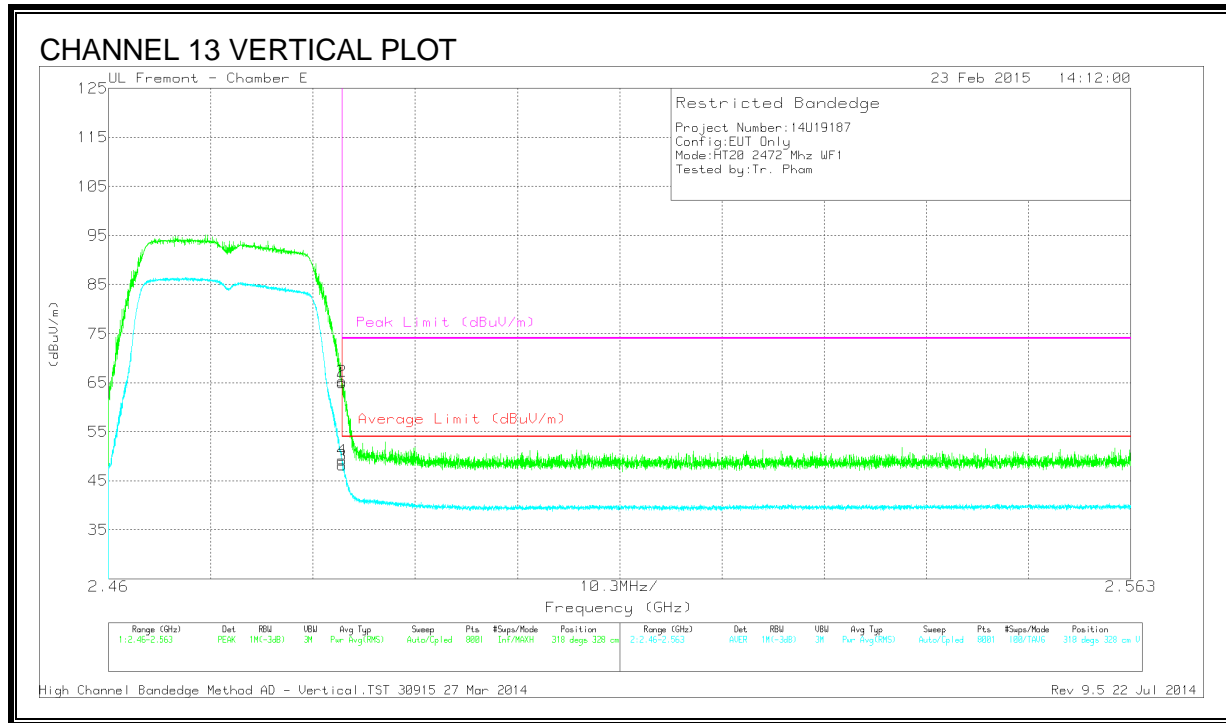
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	60.16	PK	32.2	-24.3	68.06	-	-	74	-5.94	268	176	H
2	* 2.484	59.53	PK	32.2	-24.3	67.43	-	-	74	-6.57	268	176	H
3	* 2.484	42.2	RMS	32.2	-24.3	50.1	54	-3.9	-	-	268	176	H
4	* 2.484	42.78	RMS	32.2	-24.3	50.68	54	-3.32	-	-	268	176	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

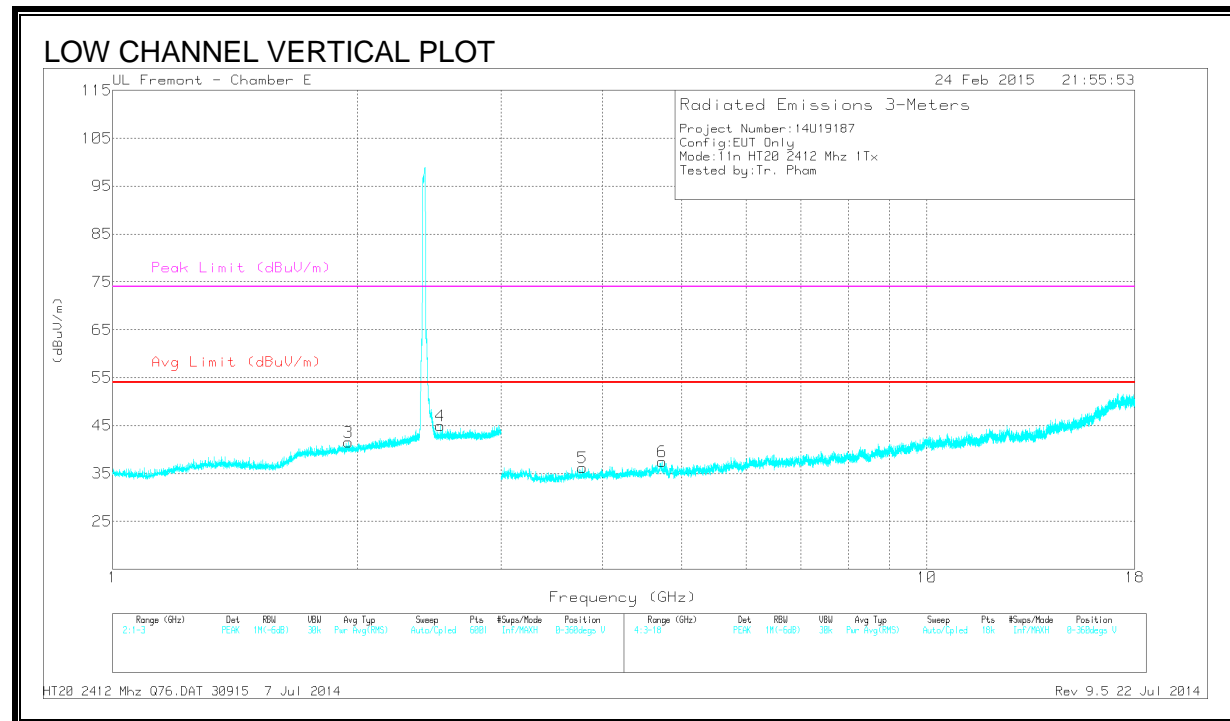
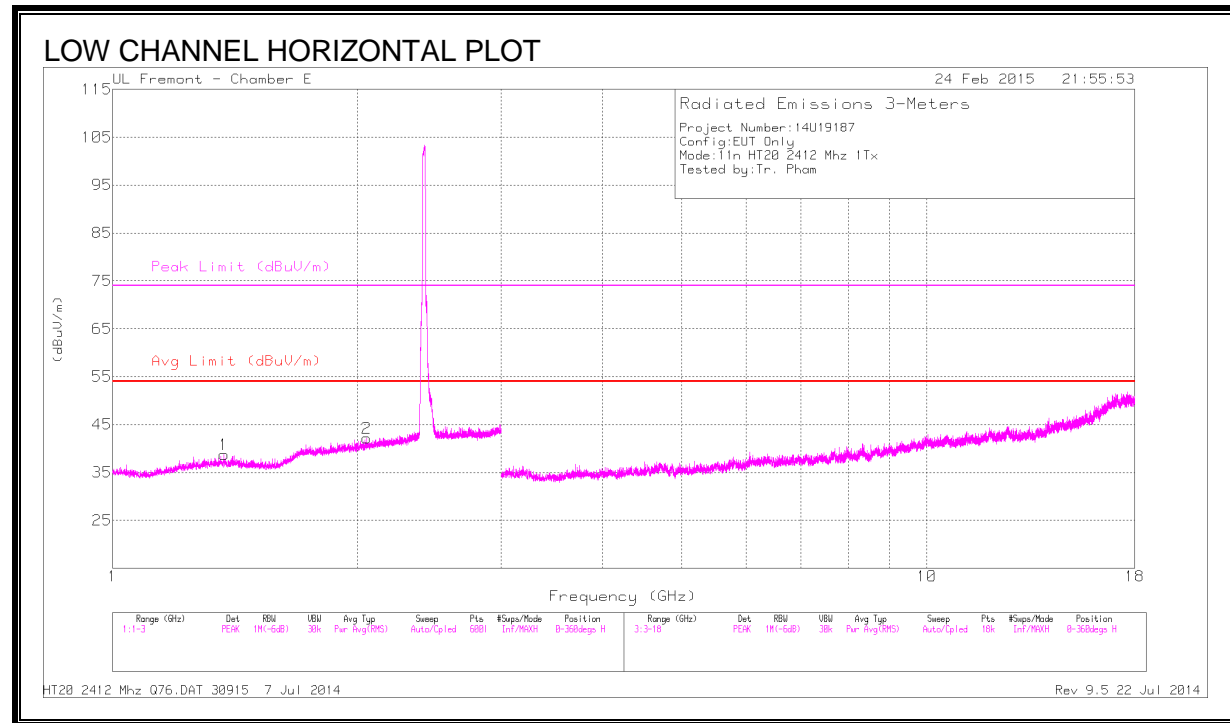
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	57.02	PK	32.2	-24.3	64.92	-	-	74	-9.08	318	328	V
2	* 2.484	57.38	PK	32.2	-24.3	65.28	-	-	74	-8.72	318	328	V
3	* 2.484	40.28	RMS	32.2	-24.3	48.18	54	-5.82	-	-	318	328	V
4	* 2.484	41.22	RMS	32.2	-24.3	49.12	54	-4.88	-	-	318	328	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

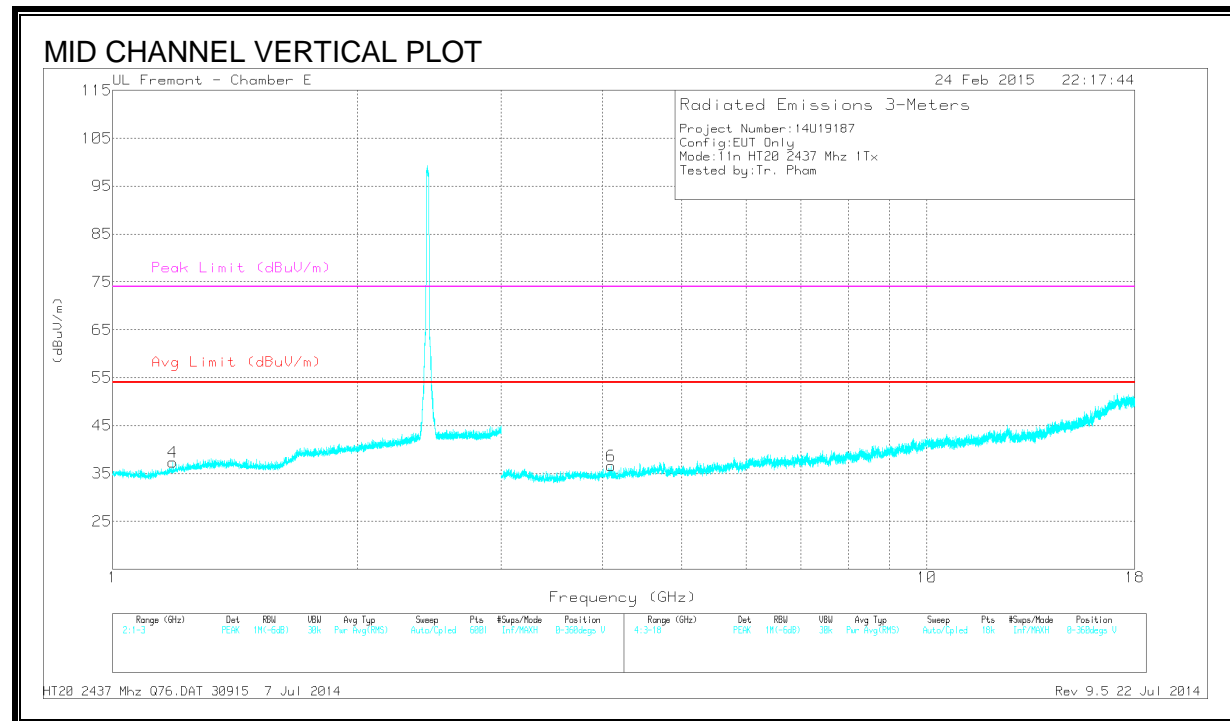
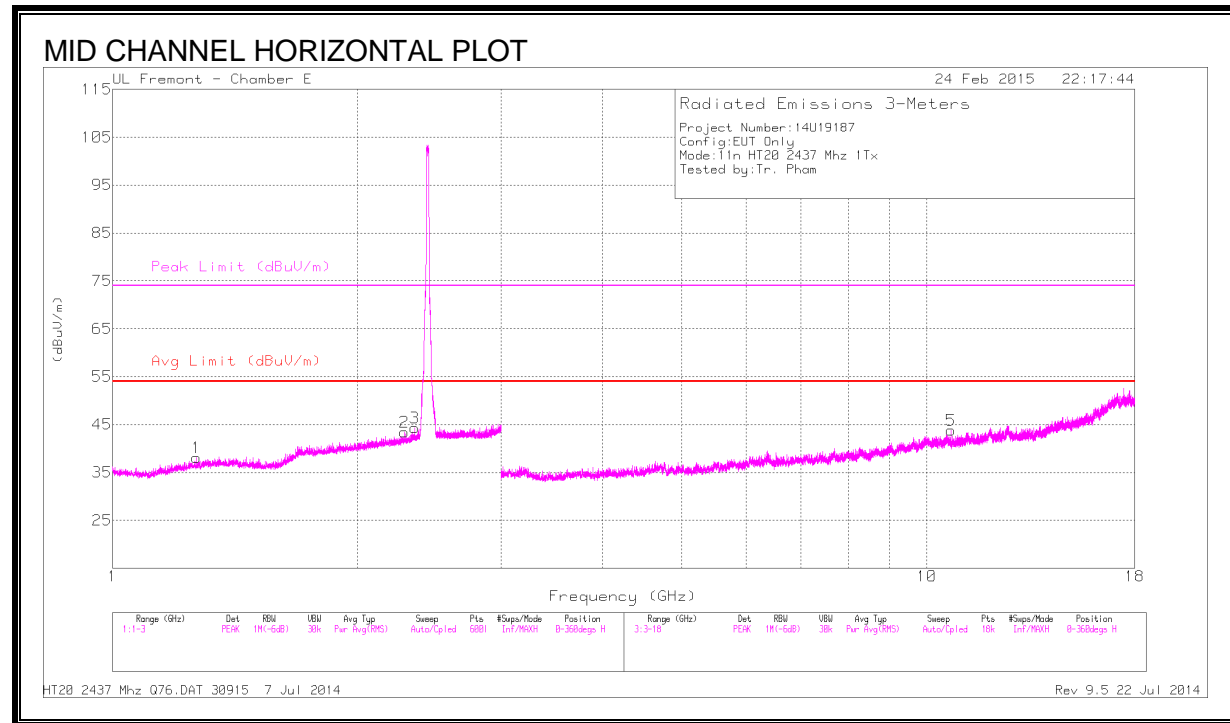
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.369	43.68	PK2	28.4	-26.6	45.48	-	-	74	-28.52	254	132	H
	* 1.369	32.62	MAv1	28.4	-26.6	34.42	54	-19.58	-	-	254	132	H
5	* 3.775	42.67	PK2	33.1	-31.1	44.67	-	-	74	-29.33	54	223	V
	* 3.775	30.65	MAv1	33.1	-31.1	32.65	54	-21.35	-	-	54	223	V
6	* 4.733	43.21	PK2	34	-30.7	46.51	-	-	74	-27.49	287	111	V
	* 4.733	30.94	MAv1	34	-30.7	34.24	54	-19.76	-	-	287	111	V
3	1.947	44.57	PK2	30.5	-25.2	49.87	-	-	-	-	340	230	V
2	2.052	43.24	PK2	30.7	-24.8	49.14	-	-	-	-	287	105	H
4	2.527	43.11	PK2	32	-24.1	51.01	-	-	-	-	345	170	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

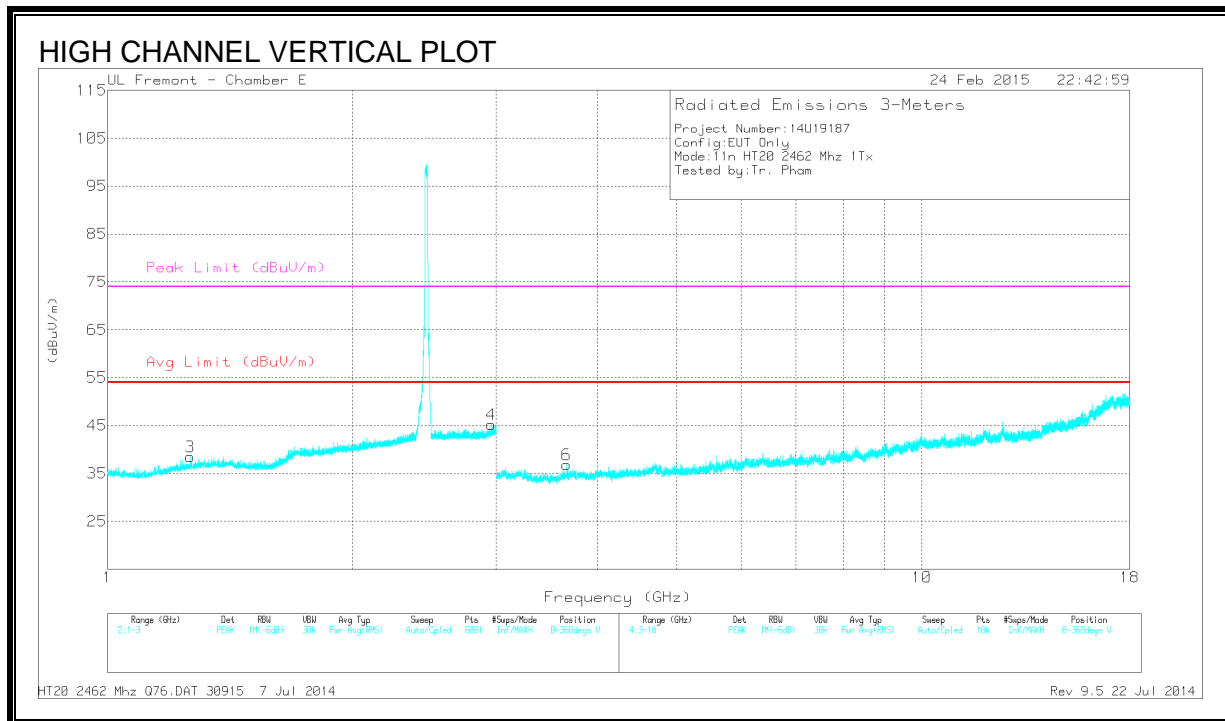
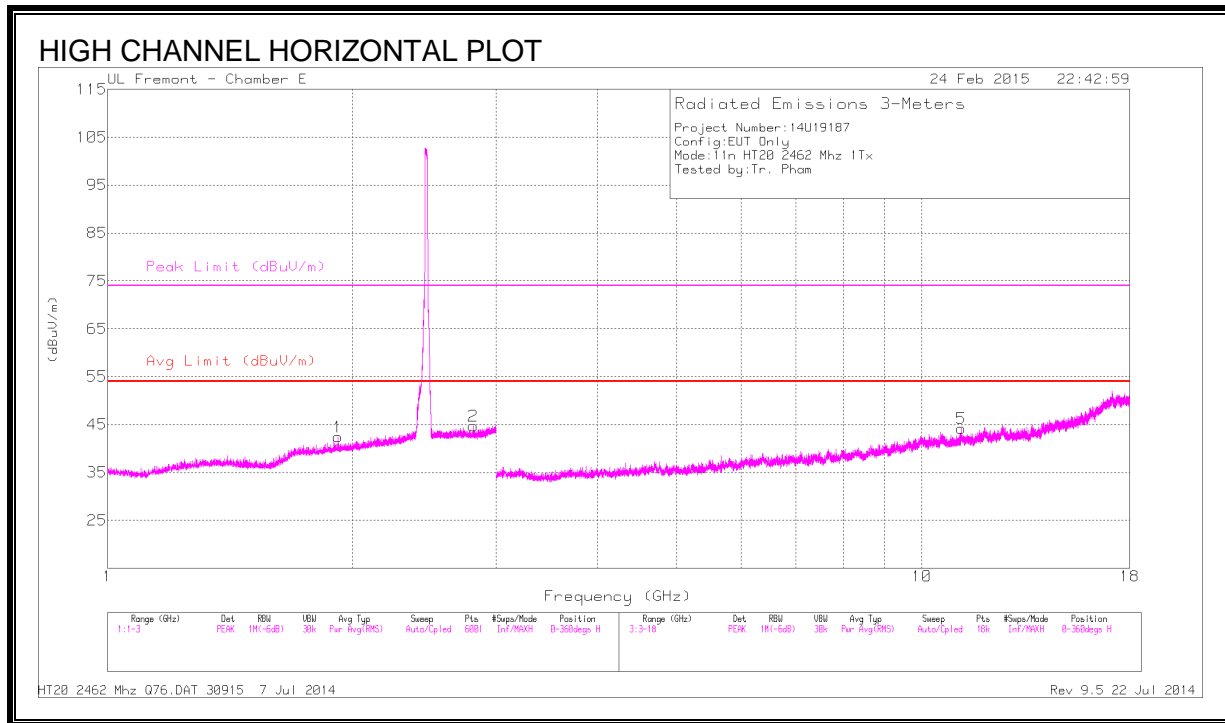
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.266	44.21	PK2	28.3	-27.2	45.31	-	-	74	-28.69	334	108	H
	* 1.266	32.67	MAv1	28.3	-27.2	33.77	54	-20.23	-	-	334	108	H
2	* 2.282	43.98	PK2	31.7	-25.1	50.58	-	-	74	-23.42	245	233	H
	* 2.283	32.23	MAv1	31.7	-25.1	38.83	54	-15.17	-	-	245	233	H
3	* 2.35	43.65	PK2	32	-24.7	50.95	-	-	74	-23.05	94	115	H
	* 2.35	32.3	MAv1	32	-24.7	39.6	54	-14.4	-	-	94	115	H
4	* 1.185	44.04	PK2	27.7	-27.6	44.14	-	-	74	-29.86	80	225	V
	* 1.185	32.95	MAv1	27.7	-27.6	33.05	54	-20.95	-	-	80	225	V
5	* 10.704	36.05	PK2	37.2	-23.6	49.65	-	-	74	-24.35	287	184	H
	* 10.705	25.63	MAv1	37.2	-23.6	39.23	54	-14.77	-	-	287	184	H
6	* 4.094	41.49	PK2	33.1	-30.5	44.09	-	-	74	-29.91	183	101	V
	* 4.094	30.24	MAv1	33.1	-30.5	32.84	54	-21.16	-	-	183	101	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS**





**DATA**

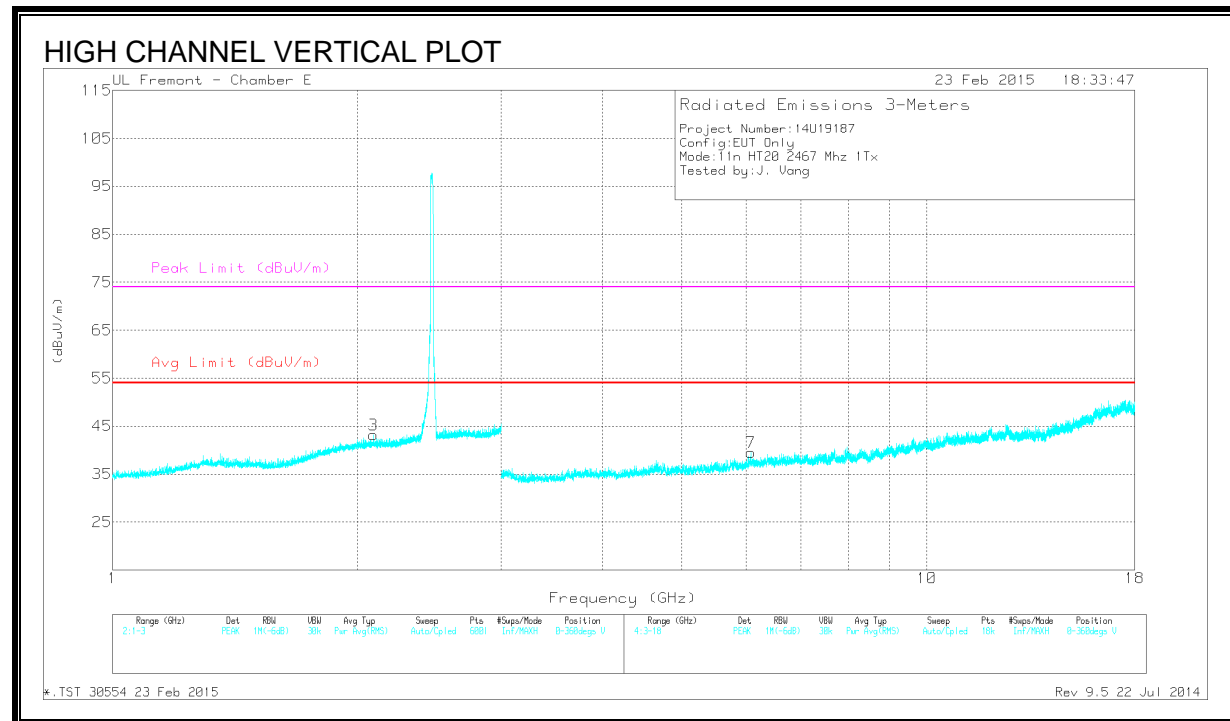
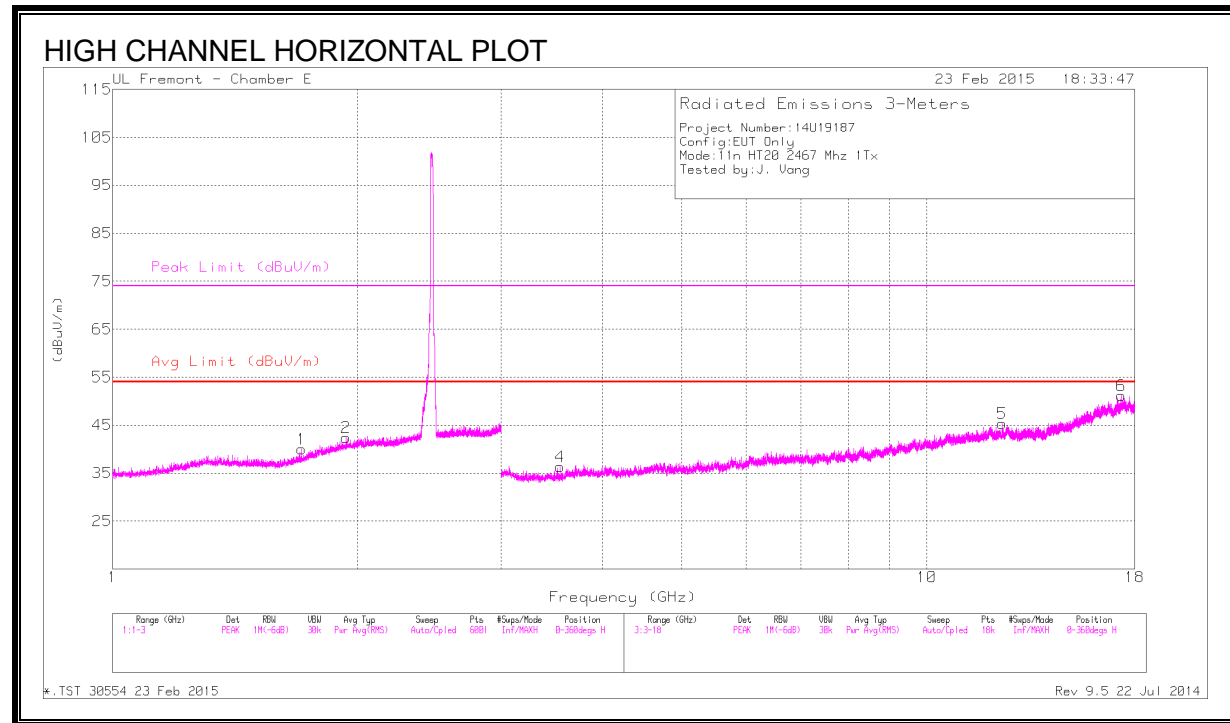
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.814	43.86	PK2	32	-24.1	51.76	-	-	74	-22.24	88	122	H
	* 2.811	32.21	MAv1	32	-24.1	40.11	54	-13.89	-	-	88	122	H
3	* 1.264	43.98	PK2	28.3	-27.2	45.08	-	-	74	-28.92	284	236	V
	* 1.263	32.84	MAv1	28.2	-27.2	33.84	54	-20.16	-	-	284	236	V
5	* 11.183	36.58	PK2	37.4	-23	50.98	-	-	74	-23.02	185	189	H
	* 11.182	25.86	MAv1	37.4	-23	40.26	54	-13.74	-	-	185	189	H
6	* 3.665	42.25	PK2	33	-31.1	44.15	-	-	74	-29.85	50	110	V
	* 3.663	30.67	MAv1	33	-31.2	32.47	54	-21.53	-	-	50	110	V
1	1.918	43.31	PK2	30.4	-25.3	48.41	-	-	-	-	284	212	H
4	2.958	43.47	PK2	32.4	-23.9	51.97	-	-	-	-	33	115	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 12 HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

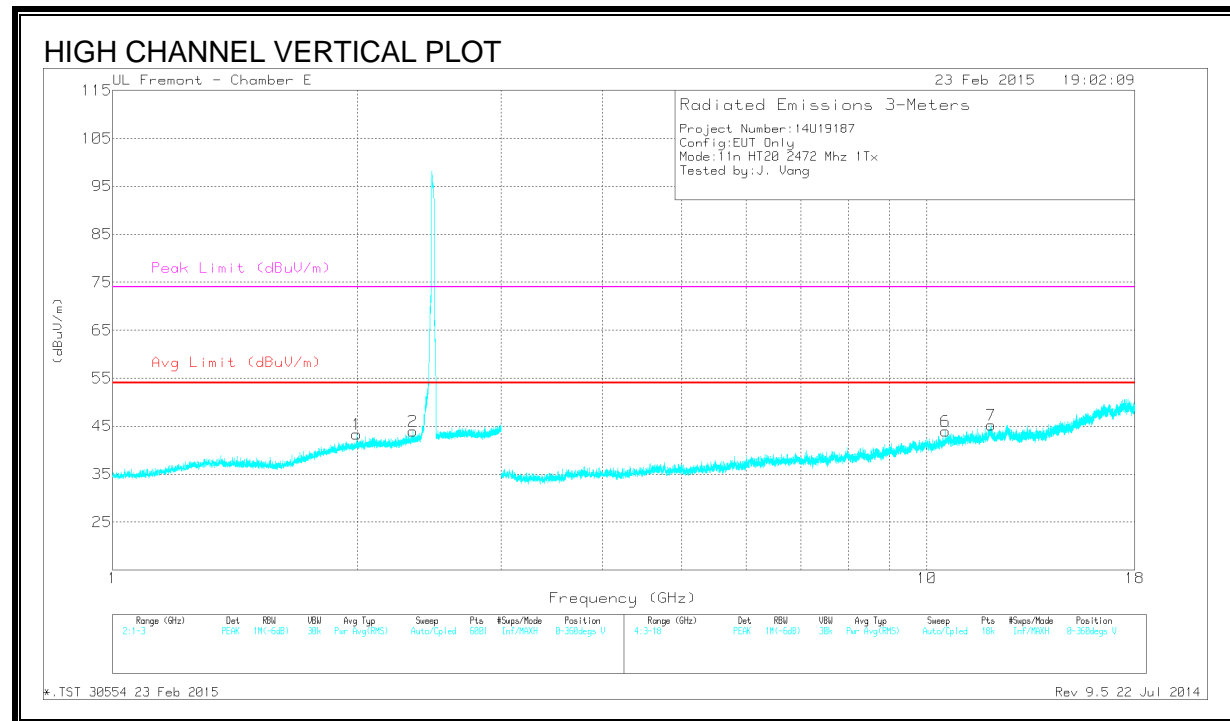
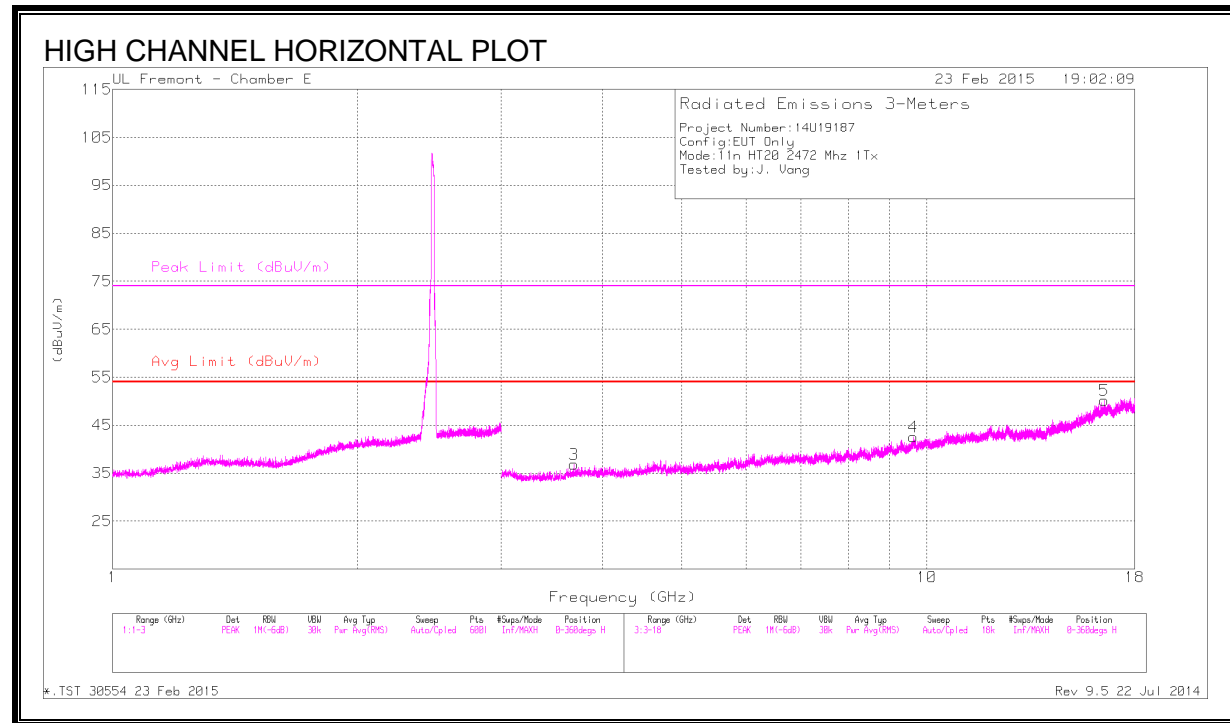
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.709	43.55	PK2	29	-26.2	46.35	-	-	74	-27.65	160	101	H
	* 1.707	32.57	MAv1	29	-26.2	35.37	54	-18.63	-	-	160	101	H
4	* 3.543	41.76	PK2	32.9	-31.7	42.96	-	-	74	-31.04	220	112	H
	* 3.543	30.76	MAv1	32.9	-31.7	31.96	54	-22.04	-	-	220	112	H
5	* 12.372	37.61	PK2	38.9	-24	52.51	-	-	74	-21.49	333	221	H
	* 12.373	26.13	MAv1	38.9	-24	41.03	54	-12.97	-	-	333	221	H
2	1.934	43.9	PK2	31	-25.2	49.7	-	-	-	-	125	105	H
3	2.09	43.94	PK2	31.3	-24.9	50.34	-	-	-	-	125	105	V
7	6.078	39.64	PK2	35.2	-28.5	46.34	-	-	-	-	97	101	V
6	17.323	34.76	PK2	41.2	-19.1	56.86	-	-	-	-	97	101	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 13 HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.338	43.89	PK2	32	-24.7	51.19	-	-	74	-22.81	60	110	V
	* 2.335	32.28	MAv1	32	-24.7	39.58	54	-14.42	-	-	60	110	V
3	* 3.689	41.47	PK2	33.2	-30.8	43.87	-	-	74	-30.13	321	100	H
	* 3.688	30.3	MAv1	33.2	-30.8	32.7	54	-21.3	-	-	321	100	H
7	* 11.998	36.51	PK2	38.6	-23.1	52.01	-	-	74	-21.99	120	210	V
	* 12.002	25.94	MAv1	38.6	-23.2	41.34	54	-12.66	-	-	120	210	V
1	1.995	43.43	PK2	31.3	-25.1	49.63	-	-	-	-	335	233	V
4	9.629	36.4	PK2	36.9	-23.7	49.6	-	-	-	-	335	233	H
6	10.54	36.28	PK2	37.6	-23.6	50.28	-	-	-	-	311	102	V
5	16.526	35.35	PK2	41.2	-20.2	56.35	-	-	-	-	311	102	H

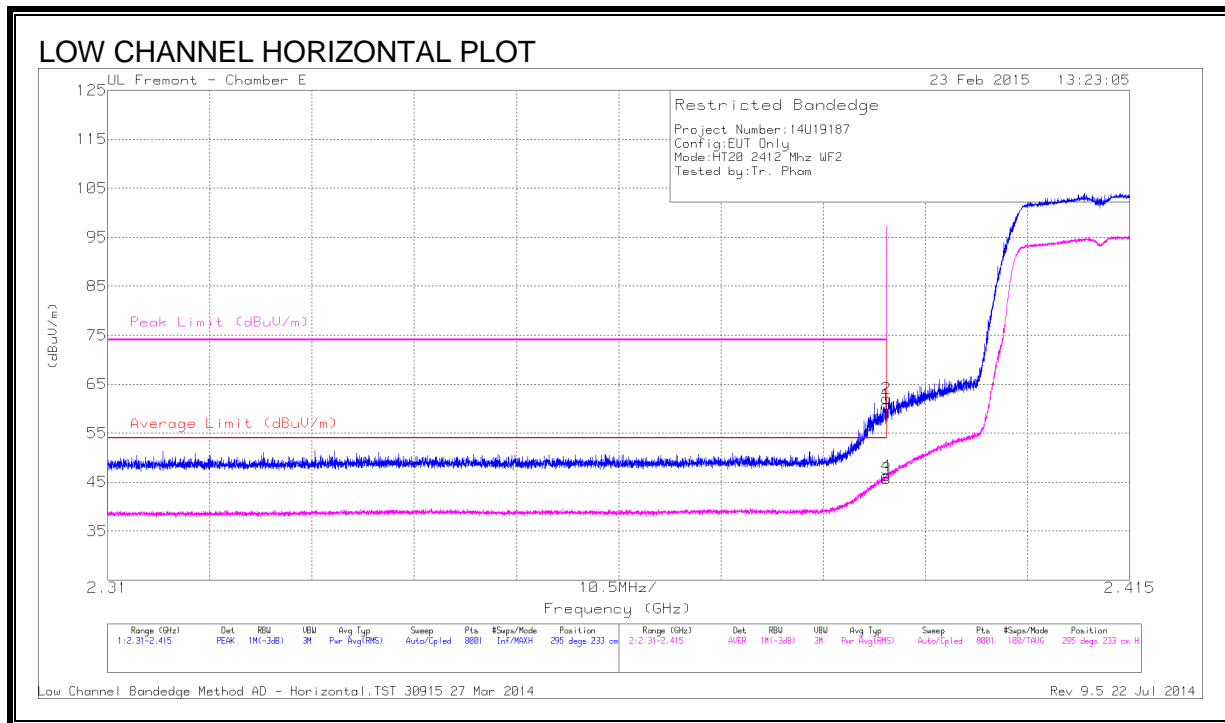
\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.6. 802.11n HT20 1Tx ANTENNA BMODE IN THE 2.4 GHz BAND

### RESTRICTED BANDEDGE (LOW CHANNEL)



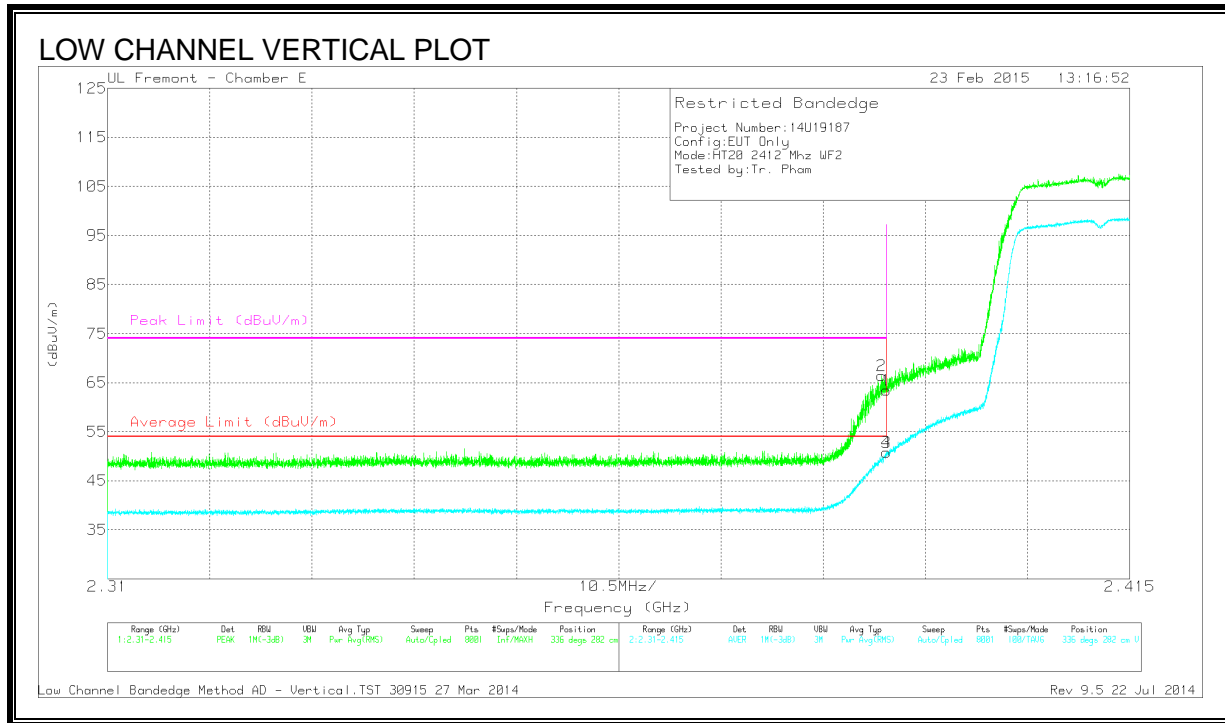
### DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.38	PK	32.1	-24.7	60.78	-	-	74	-13.22	295	233	H
2	* 2.39	54.66	PK	32.1	-24.7	62.06	-	-	74	-11.94	295	233	H
3	* 2.39	38.32	RMS	32.1	-24.7	45.72	54	-8.28	-	-	295	233	H
4	* 2.39	38.97	RMS	32.1	-24.7	46.37	54	-7.63	-	-	295	233	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

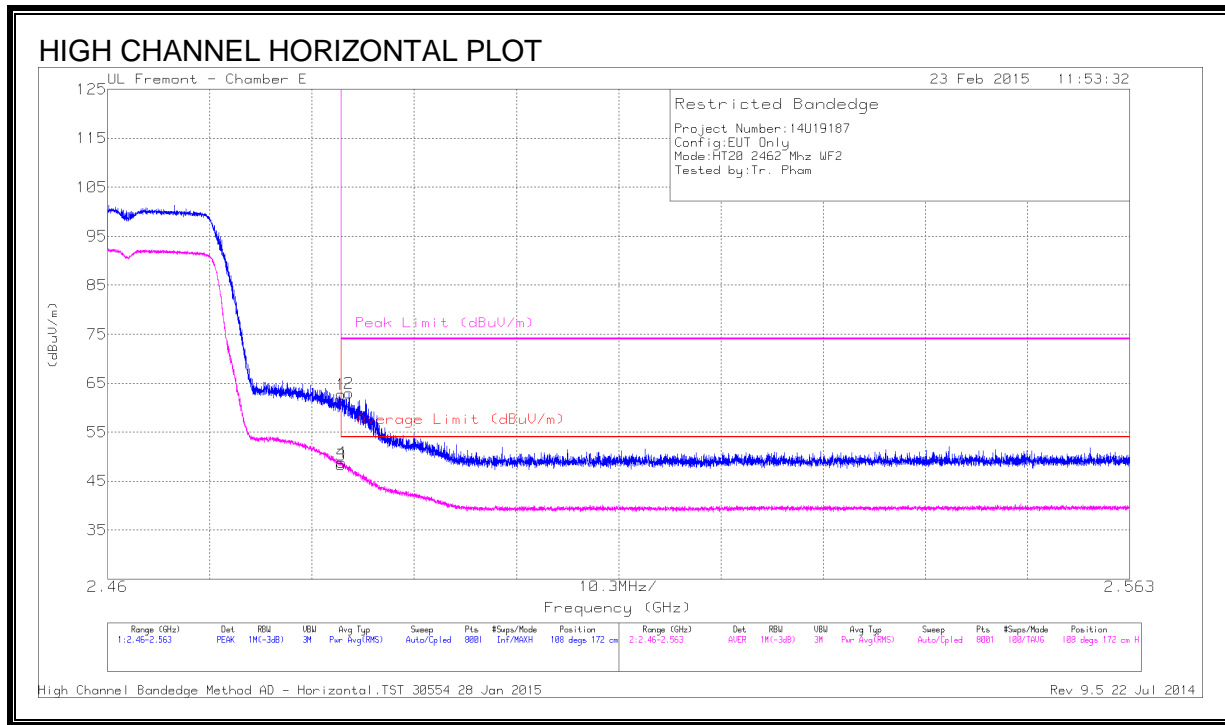
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.1	PK	32.1	-24.7	63.5	-	-	74	-10.5	336	282	V
2	* 2.389	59.01	PK	32.1	-24.7	66.41	-	-	74	-7.59	336	282	V
3	* 2.39	43.35	RMS	32.1	-24.7	50.75	54	-3.25	-	-	336	282	V
4	* 2.39	43.37	RMS	32.1	-24.7	50.77	54	-3.23	-	-	336	282	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**



**DATA**

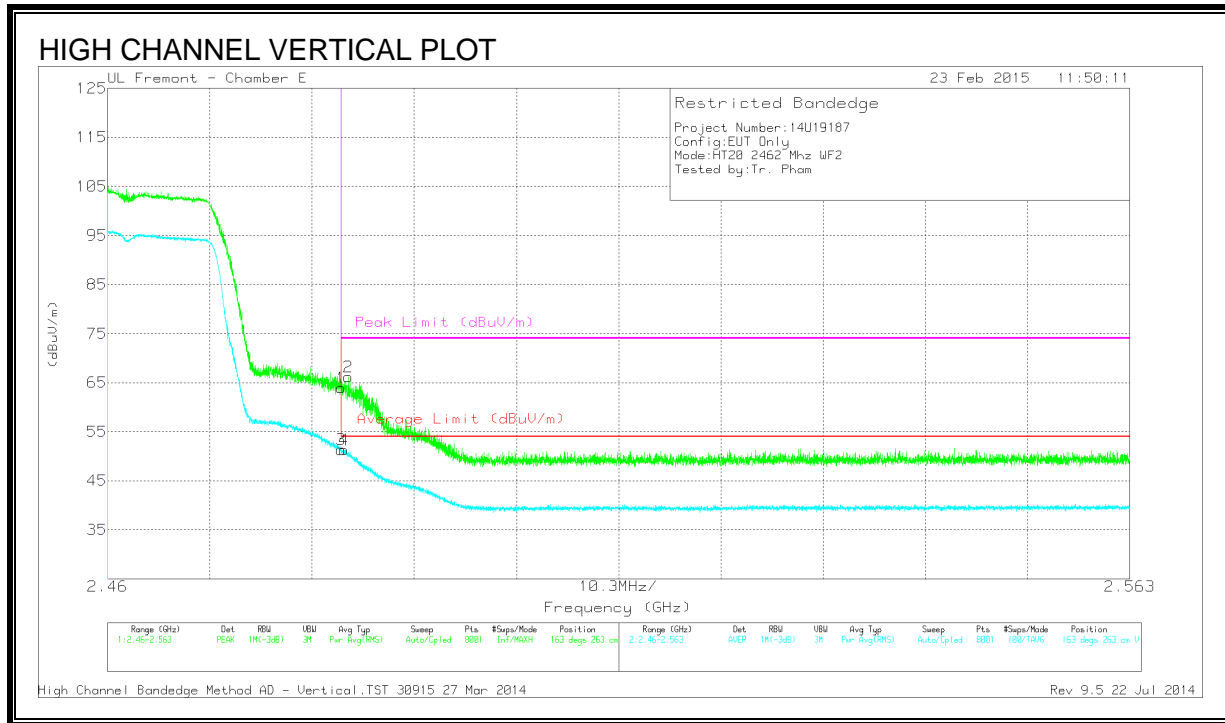
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.78	PK	32.2	-24.3	62.68	-	-	74	-11.32	108	172	H
2	* 2.484	55.11	PK	32.2	-24.3	63.01	-	-	74	-10.99	108	172	H
3	* 2.484	40.45	RMS	32.2	-24.3	48.35	54	-5.65	-	-	108	172	H
4	* 2.484	40.95	RMS	32.2	-24.3	48.85	54	-5.15	-	-	108	172	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection





**DATA**

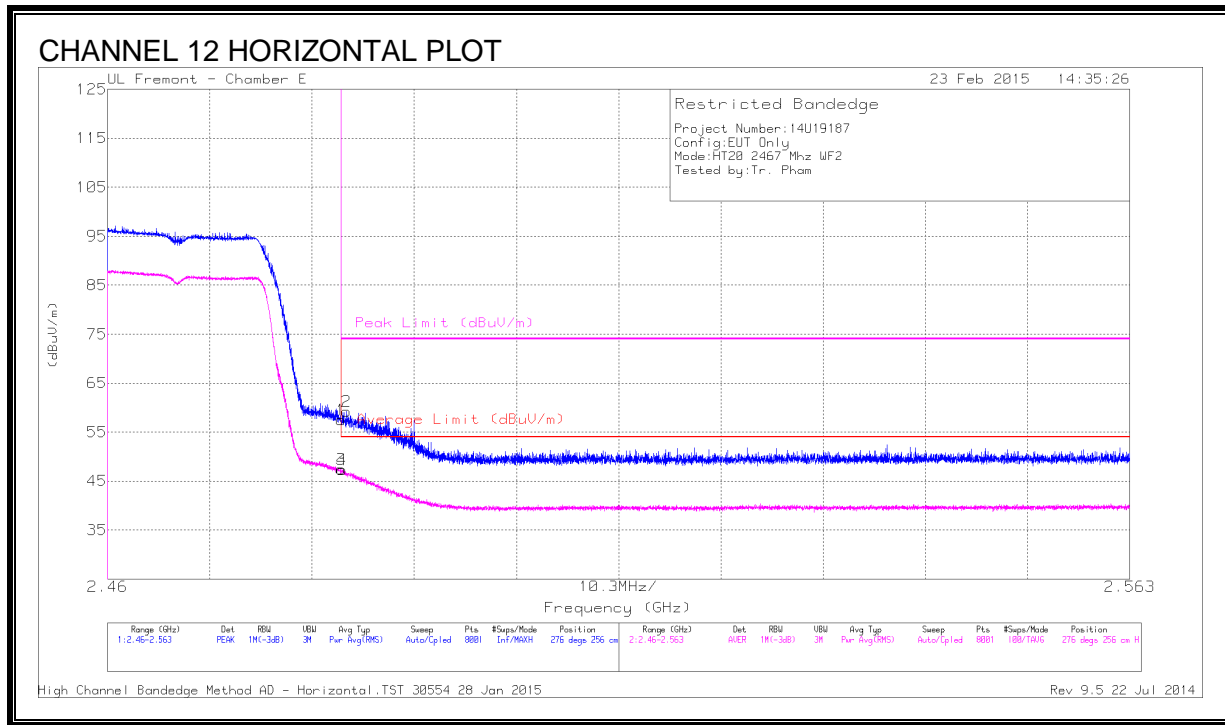
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	56.1	PK	32.2	-24.3	64	-	-	74	-10	163	263	V
2	* 2.484	58.27	PK	32.2	-24.3	66.17	-	-	74	-7.83	163	263	V
3	* 2.484	43.45	RMS	32.2	-24.3	51.35	54	-2.65	-	-	163	263	V
4	* 2.484	43.37	RMS	32.2	-24.3	51.27	54	-2.73	-	-	163	263	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 12)**



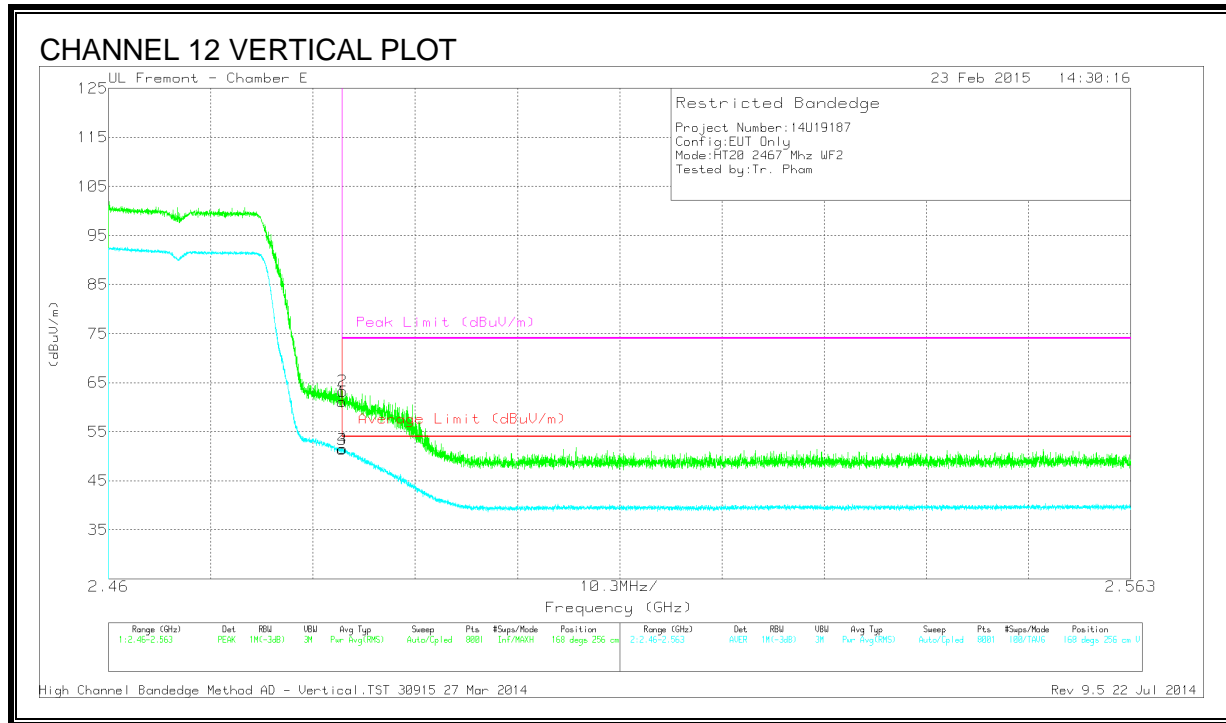
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.57	PK	32.2	-24.3	57.47	-	-	74	-16.53	276	256	H
2	* 2.484	51.33	PK	32.2	-24.3	59.23	-	-	74	-14.77	276	256	H
3	* 2.484	39.58	RMS	32.2	-24.3	47.48	54	-6.52	-	-	276	256	H
4	* 2.484	39.39	RMS	32.2	-24.3	47.29	54	-6.71	-	-	276	256	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

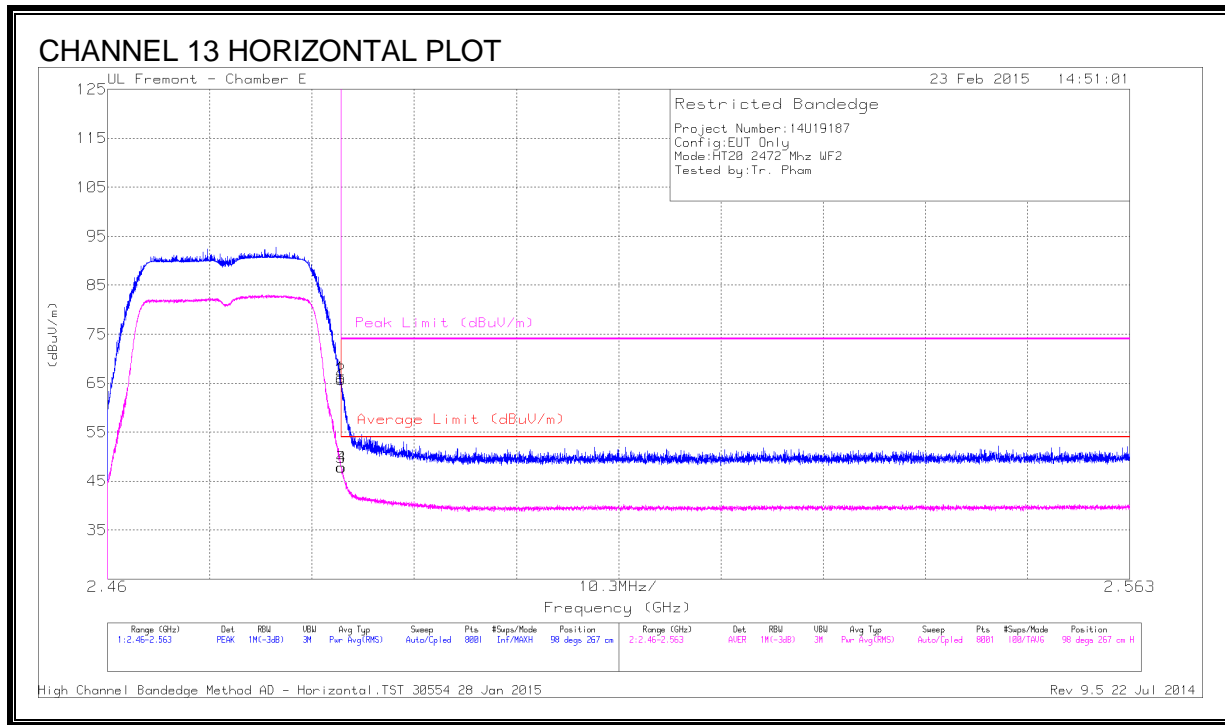
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.19	PK	32.2	-24.3	61.09	-	-	74	-12.91	168	256	V
2	* 2.484	55.37	PK	32.2	-24.3	63.27	-	-	74	-10.73	168	256	V
3	* 2.484	43.46	RMS	32.2	-24.3	51.36	54	-2.64	-	-	168	256	V
4	* 2.484	43.64	RMS	32.2	-24.3	51.54	54	-2.46	-	-	168	256	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 13)**



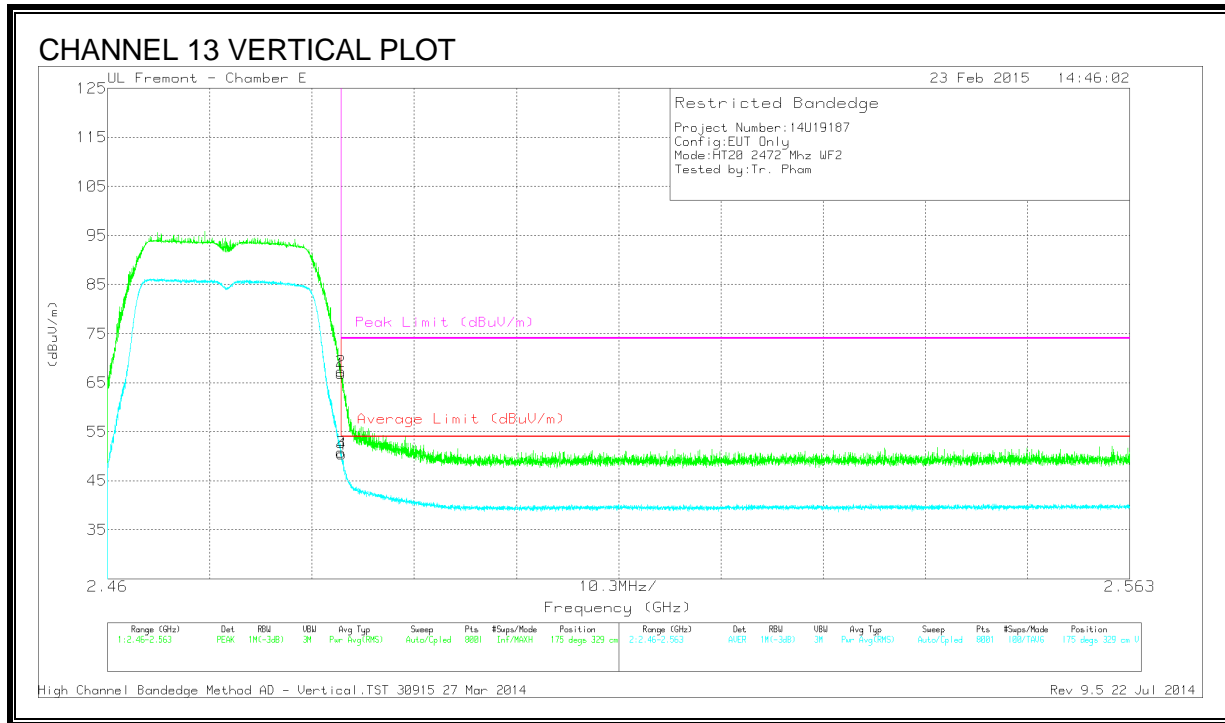
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	58.33	PK	32.2	-24.3	66.23	-	-	74	-7.77	98	267	H
2	* 2.484	57.82	PK	32.2	-24.3	65.72	-	-	74	-8.28	98	267	H
3	* 2.484	39.96	RMS	32.2	-24.3	47.86	54	-6.14	-	-	98	267	H
4	* 2.484	39.96	RMS	32.2	-24.3	47.86	54	-6.14	-	-	98	267	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

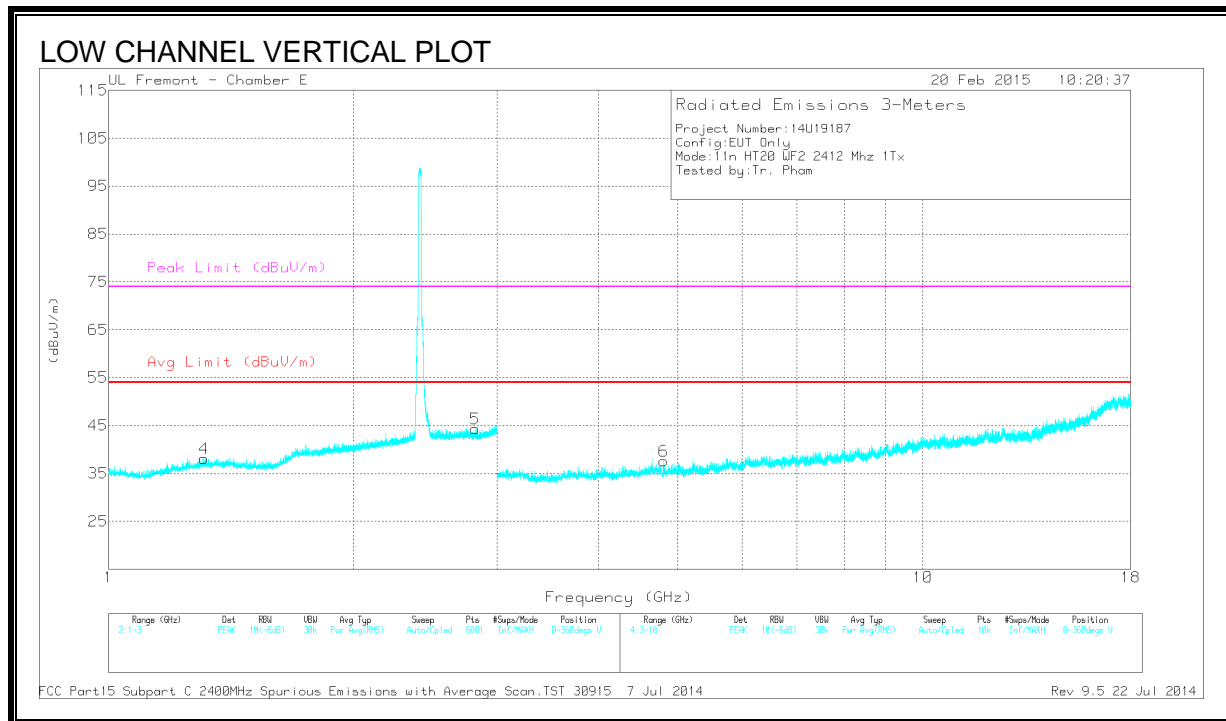
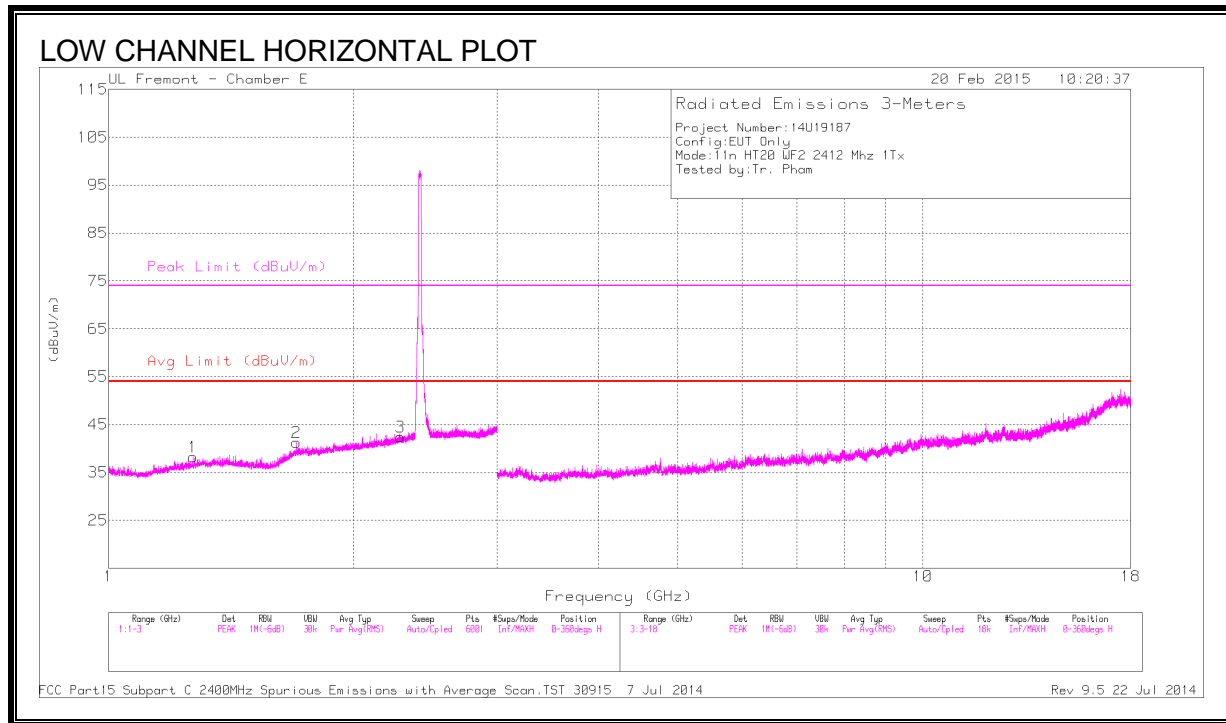
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	58.85	PK	32.2	-24.3	66.75	-	-	74	-7.25	175	329	V
2	* 2.484	59.42	PK	32.2	-24.3	67.32	-	-	74	-6.68	175	329	V
3	* 2.484	42.91	RMS	32.2	-24.3	50.81	54	-3.19	-	-	175	329	V
4	* 2.484	42.54	RMS	32.2	-24.3	50.44	54	-3.56	-	-	175	329	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

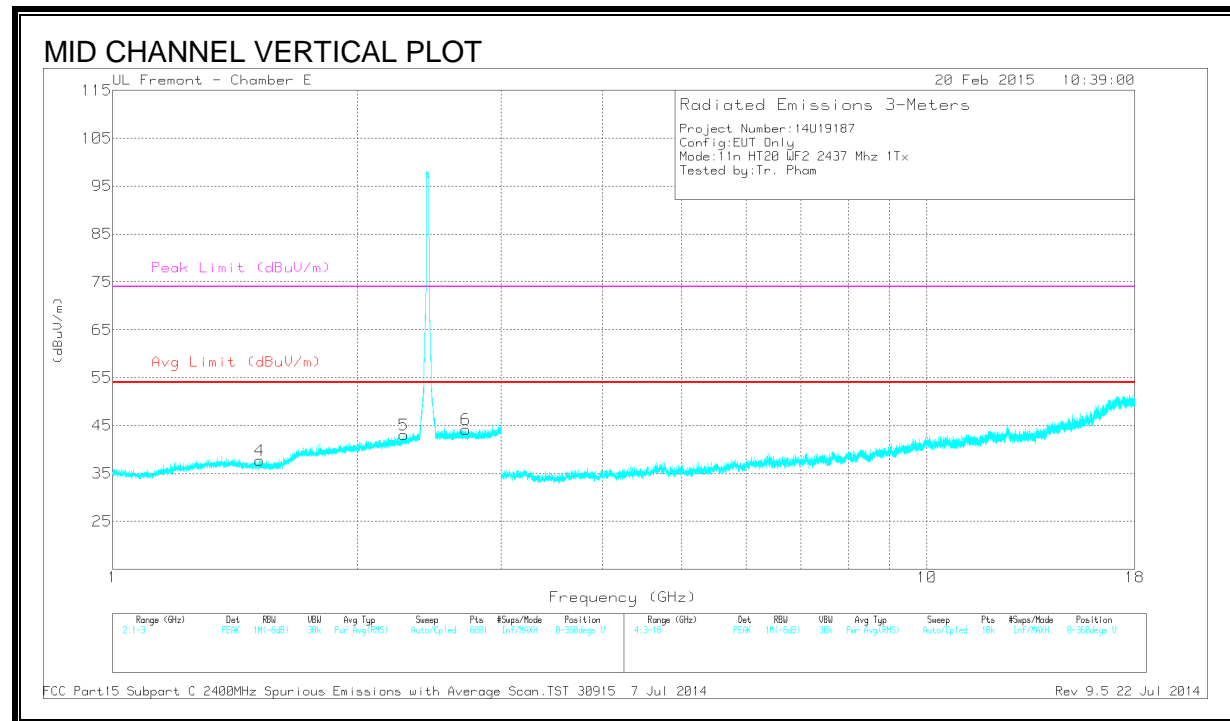
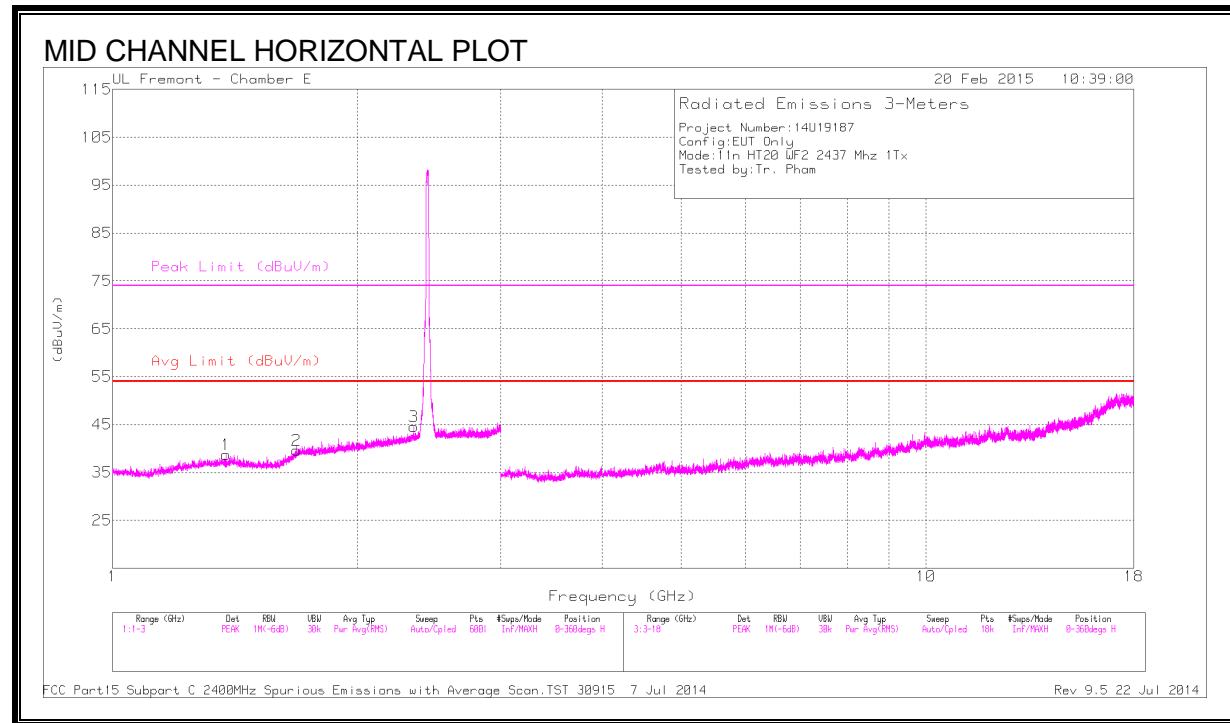
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.27	43.98	PK2	28.3	-27.2	45.08	-	-	74	-28.92	0	101	H
	* 1.27	32.66	MAv1	28.3	-27.2	33.76	54	-20.24	-	-	0	101	H
2	* 1.7	43.99	PK2	30.2	-26.3	47.89	-	-	74	-26.11	0	101	H
	* 1.702	32.65	MAv1	30.2	-26.3	36.55	54	-17.45	-	-	0	101	H
3	* 2.284	43.9	PK2	31.7	-25.1	50.5	-	-	74	-23.5	0	101	H
	* 2.283	32.36	MAv1	31.7	-25.1	38.96	54	-15.04	-	-	0	101	H
4	* 1.309	44.32	PK2	28.5	-26.9	45.92	-	-	74	-28.08	0	101	V
	* 1.309	32.74	MAv1	28.5	-26.9	34.34	54	-19.66	-	-	0	101	V
5	* 2.821	43.56	PK2	32	-24.1	51.46	-	-	74	-22.54	0	101	V
	* 2.822	32.11	MAv1	32	-24.1	40.01	54	-13.99	-	-	0	101	V
6	* 4.809	41.82	PK2	33.9	-31	44.72	-	-	74	-29.28	0	101	V
	* 4.809	30.48	MAv1	33.9	-31	33.38	54	-20.62	-	-	0	101	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS**





**DATA**

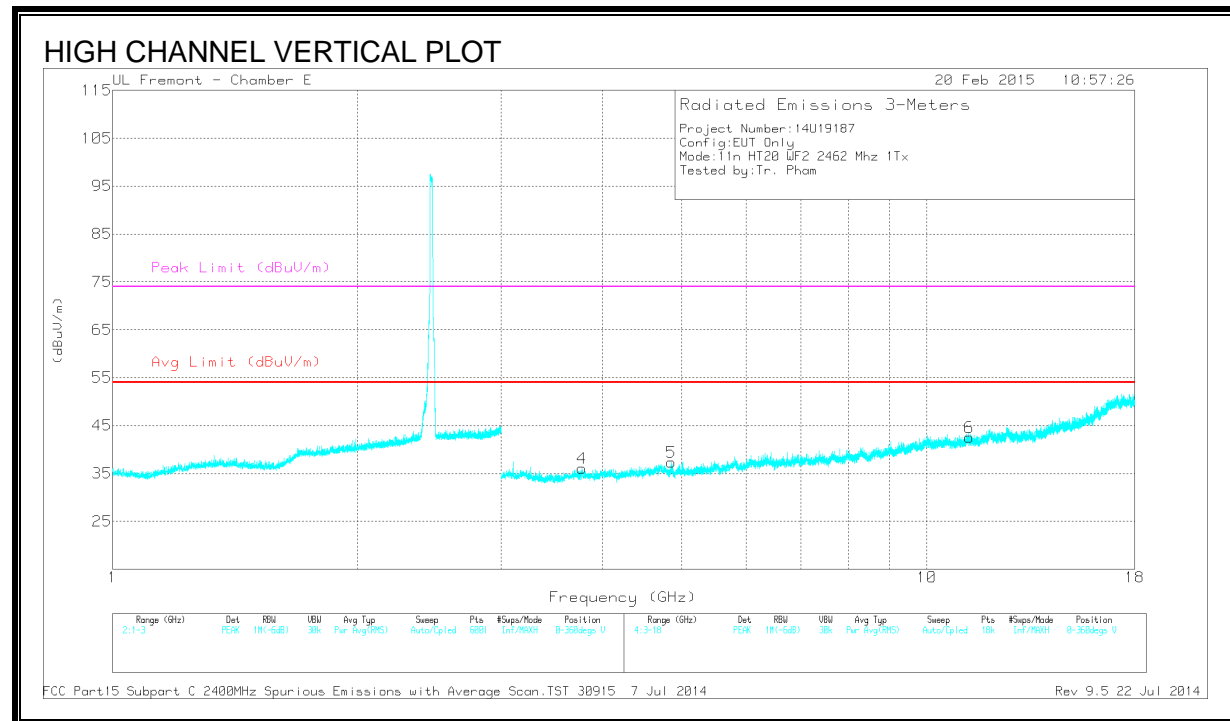
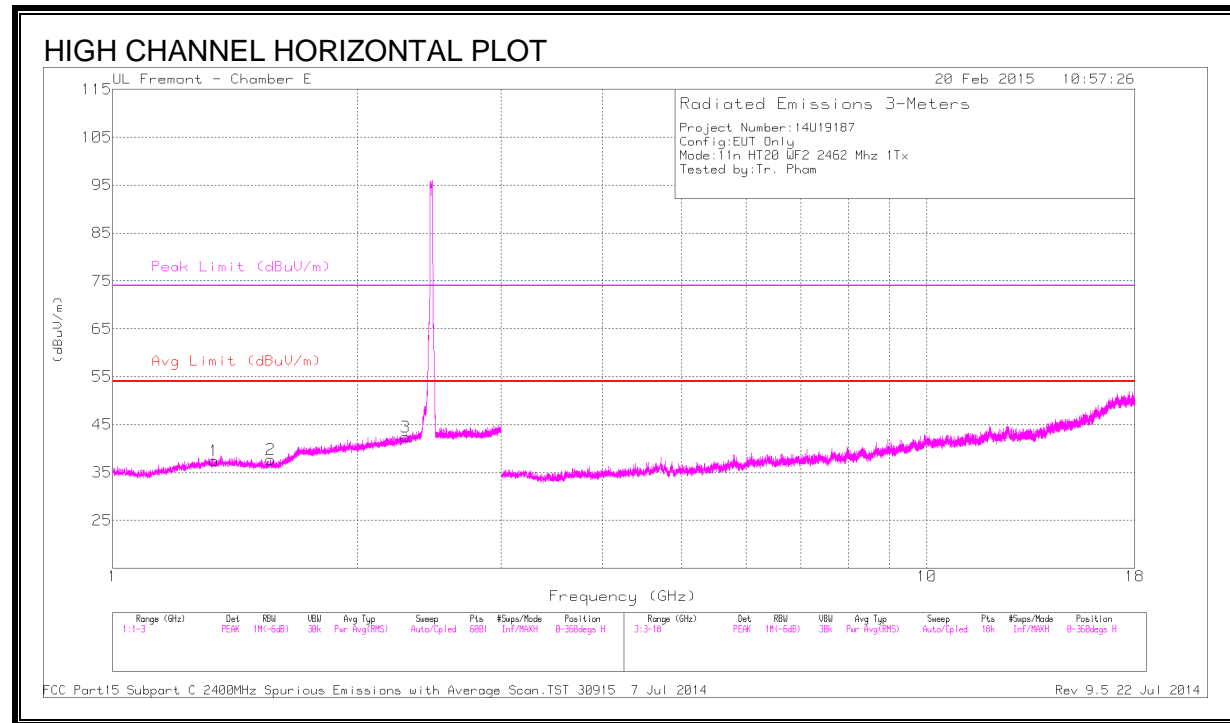
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.379	43.66	PK2	28.4	-26.6	45.46	-	-	74	-28.54	0	101	H
	* 1.377	32.42	MAv1	28.4	-26.6	34.22	54	-19.78	-	-	0	101	H
2	* 1.685	44.02	PK2	29.9	-26.3	47.62	-	-	74	-26.38	0	101	H
	* 1.684	32.63	MAv1	29.8	-26.3	36.13	54	-17.87	-	-	0	101	H
3	* 2.348	43.57	PK2	32	-24.7	50.87	-	-	74	-23.13	0	101	H
	* 2.346	32.44	MAv1	32	-24.7	39.74	54	-14.26	-	-	0	101	H
4	* 1.516	44.42	PK2	27.6	-26.3	45.72	-	-	74	-28.28	0	101	V
	* 1.515	32.73	MAv1	27.6	-26.3	34.03	54	-19.97	-	-	0	101	V
5	* 2.276	44.48	PK2	31.7	-25.1	51.08	-	-	74	-22.92	0	101	V
	* 2.276	32.27	MAv1	31.7	-25.1	38.87	54	-15.13	-	-	0	101	V
6	* 2.713	43.63	PK2	32	-23.9	51.73	-	-	74	-22.27	0	101	V
	* 2.712	31.99	MAv1	32	-23.9	40.09	54	-13.91	-	-	0	101	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

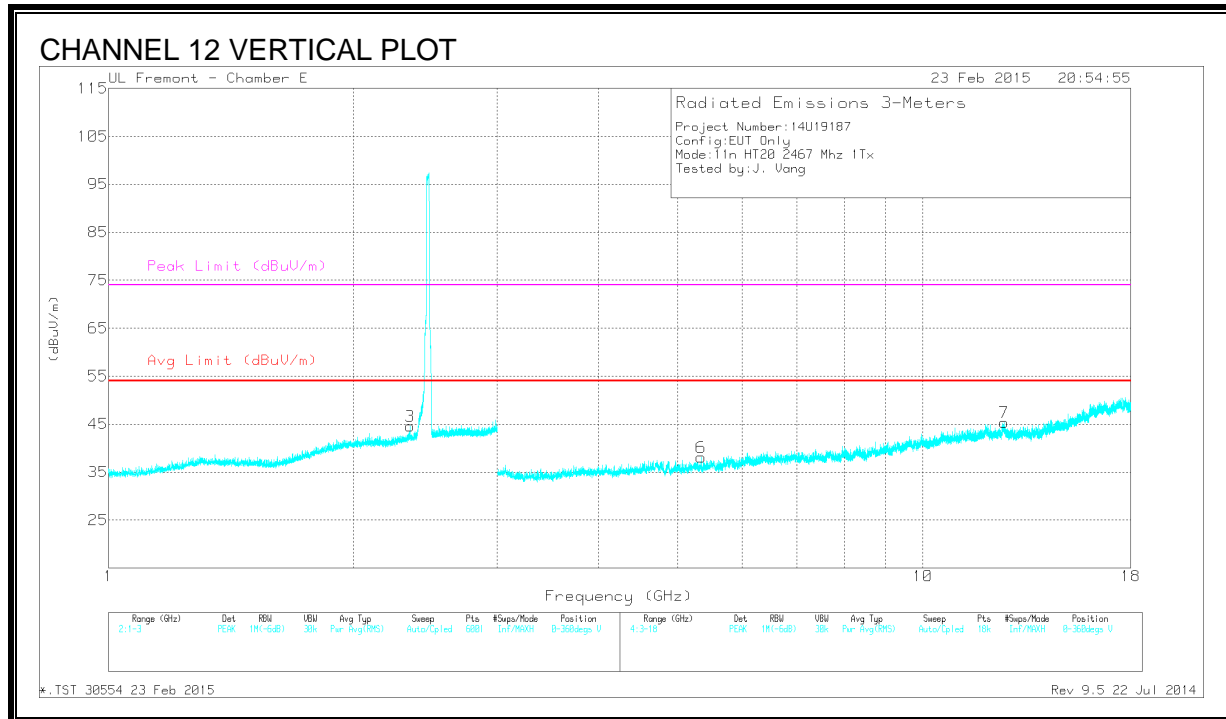
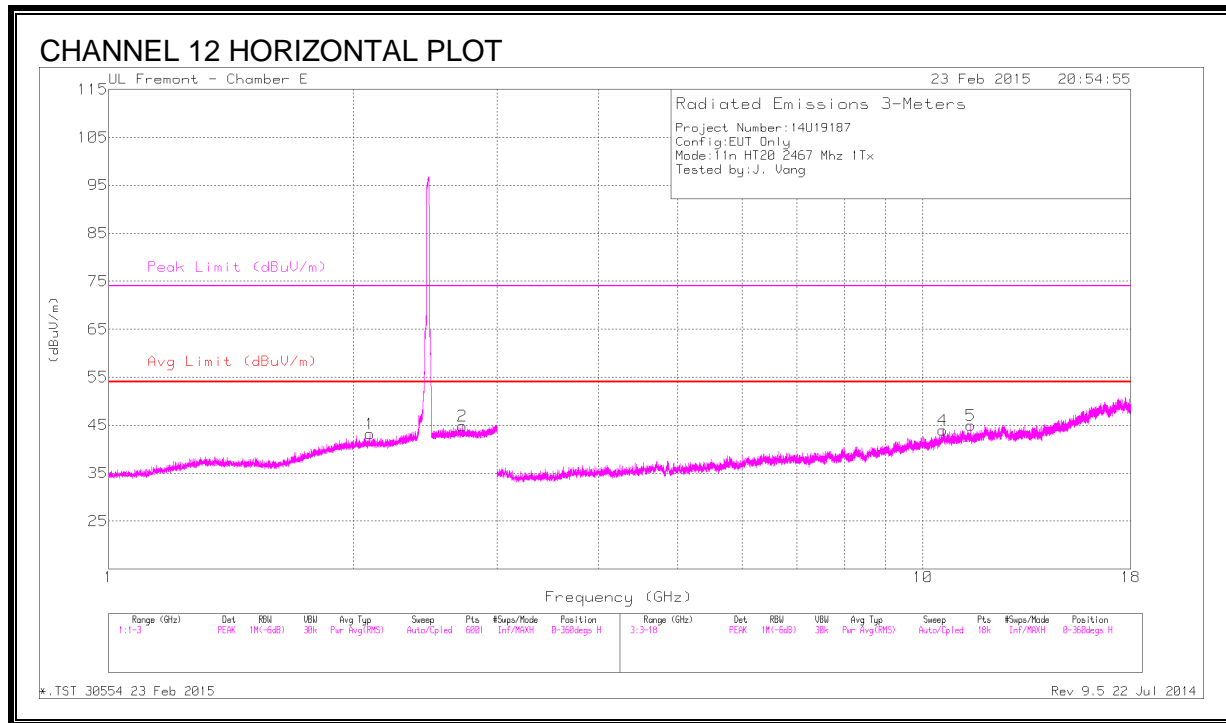
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.333	43.74	PK2	28.4	-26.8	45.34	-	-	74	-28.66	0	100	H
	* 1.332	32.45	MAv1	28.4	-26.8	34.05	54	-19.95	-	-	0	100	H
2	* 1.564	43.82	PK2	27.7	-26.4	45.12	-	-	74	-28.88	0	100	H
	* 1.563	32.5	MAv1	27.7	-26.4	33.8	54	-20.2	-	-	0	100	H
3	* 2.288	43.92	PK2	31.7	-25.1	50.52	-	-	74	-23.48	0	100	H
	* 2.287	32.43	MAv1	31.7	-25.1	39.03	54	-14.97	-	-	0	100	H
4	* 3.77	42.05	PK2	33.1	-31.1	44.05	-	-	74	-29.95	0	100	V
	* 3.771	30.57	MAv1	33.1	-31.1	32.57	54	-21.43	-	-	0	100	V
5	* 4.858	42.63	PK2	33.9	-31.2	45.33	-	-	74	-28.67	0	100	V
	* 4.857	31.05	MAv1	33.9	-31.2	33.75	54	-20.25	-	-	0	100	V
6	* 11.279	37.54	PK2	37.5	-23.5	51.54	-	-	74	-22.46	0	100	V
	* 11.279	25.53	MAv1	37.5	-23.5	39.53	54	-14.47	-	-	0	100	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 12 HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

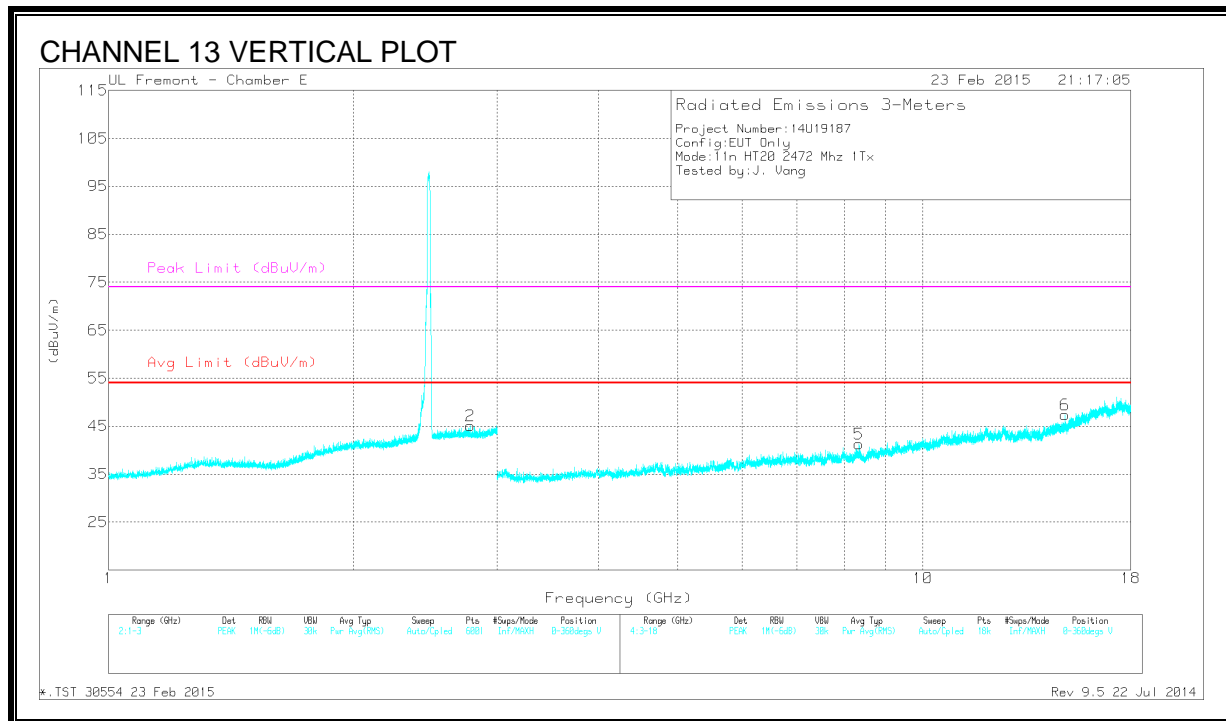
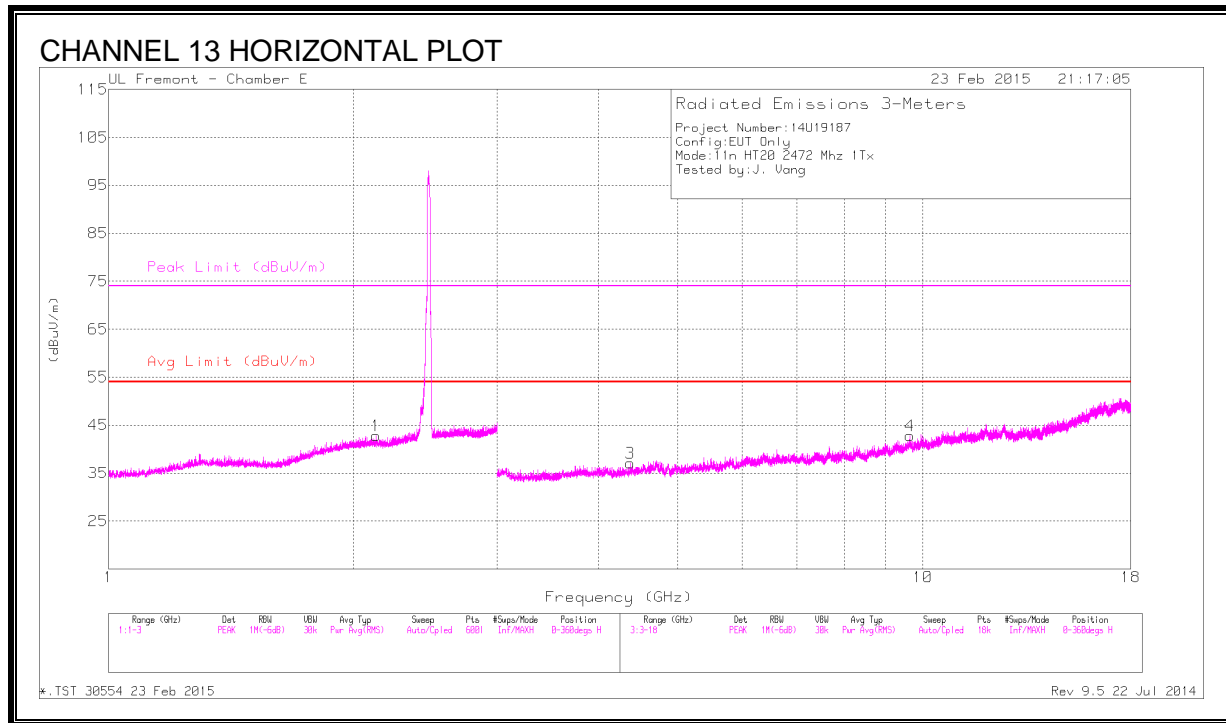
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.719	43.65	PK2	32.4	-24	52.05	-	-	74	-21.95	36	101	H
	* 2.72	32	MAv1	32.4	-24	40.4	54	-13.6	-	-	36	101	H
3	* 2.342	43.9	PK2	32	-24.7	51.2	-	-	74	-22.8	334	211	V
	* 2.344	32.33	MAv1	32	-24.7	39.63	54	-14.37	-	-	334	211	V
5	* 11.438	37.56	PK2	38	-24.1	51.46	-	-	74	-22.54	230	201	H
	* 11.442	26.33	MAv1	38	-24.1	40.23	54	-13.77	-	-	230	201	H
7	* 12.592	37.17	PK2	39	-23.6	52.57	-	-	74	-21.43	65	111	V
	* 12.594	26.57	MAv1	39	-23.6	41.97	54	-12.03	-	-	65	111	V
1	2.095	43.43	PK2	31.3	-24.9	49.83	-	-	-	-	311	101	H
6	5.34	41.5	PK2	34.5	-30.1	45.9	-	-	-	-	165	115	V
4	10.576	35.86	PK2	37.7	-23.3	50.26	-	-	-	-	322	219	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 13 HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.779	43.06	PK2	32.4	-24	51.46	-	-	74	-22.54	333	121	V
	* 2.779	32.17	MAv1	32.4	-24	40.57	54	-13.43	-	-	333	121	V
3	* 4.373	40.55	PK2	33.7	-30.2	44.05	-	-	74	-29.95	97	118	H
	* 4.371	29.66	MAv1	33.7	-30.1	33.26	54	-20.74	-	-	97	118	H
5	* 8.347	38.24	PK2	35.7	-26.4	47.54	-	-	74	-26.46	231	221	V
	* 8.345	27.4	MAv1	35.7	-26.4	36.7	54	-17.3	-	-	231	221	V
1	2.13	43.28	PK2	31.3	-24.9	49.68	-	-	-	-	247	101	H
4	9.636	36.4	PK2	36.9	-23.8	49.5	-	-	-	-	281	183	H
6	14.94	38.75	PK2	39.5	-24.5	53.75	-	-	-	-	109	223	V

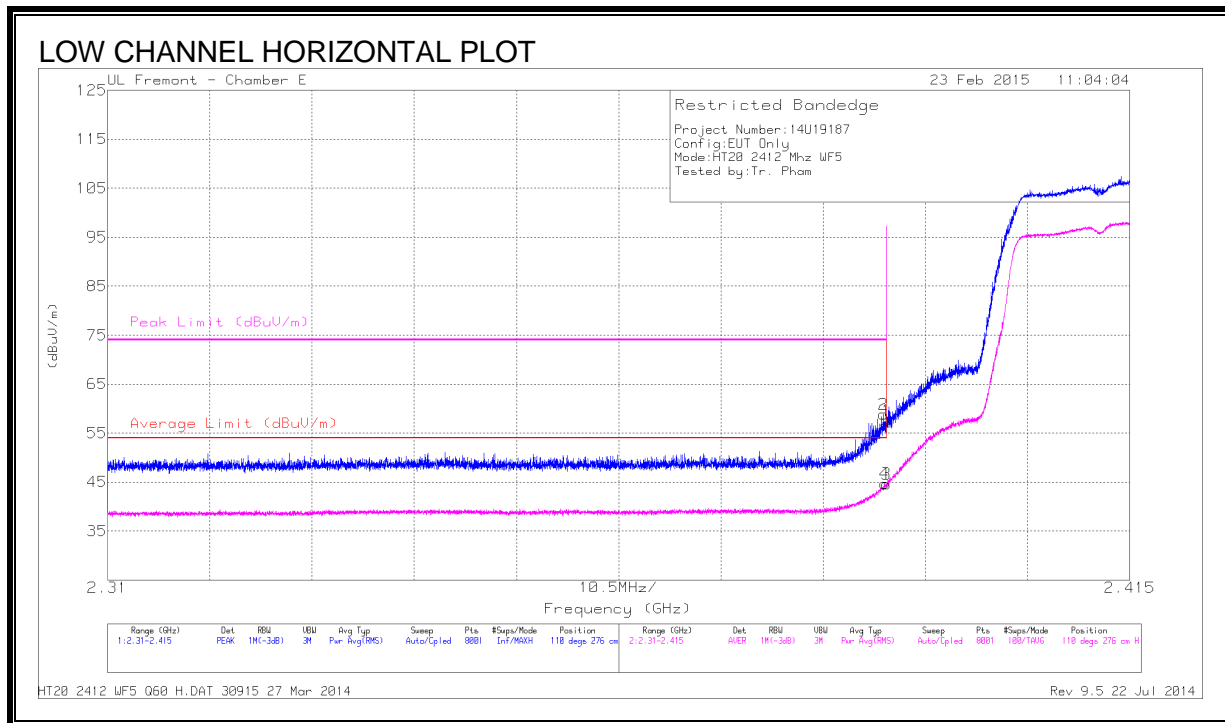
\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 9.7. 802.11n HT20 1Tx ANTENNA D MODE IN THE 2.4 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)



#### DATA

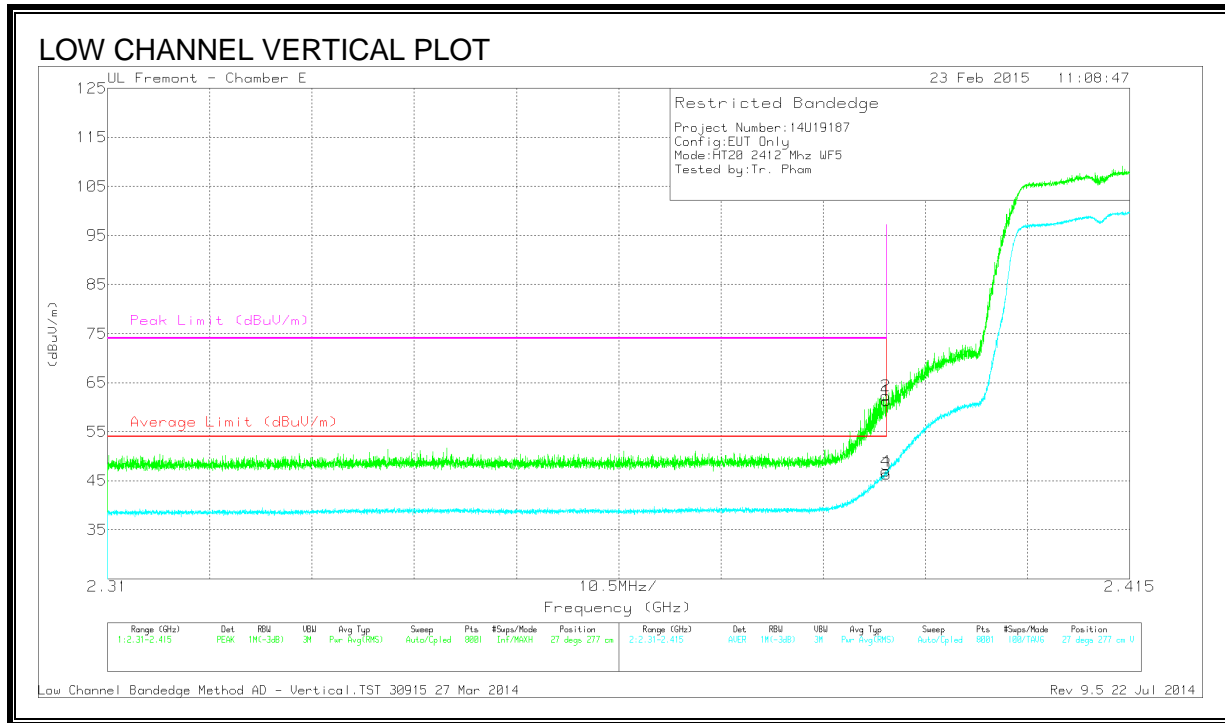
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	50.25	PK	32.1	-24.7	57.65	-	-	74	-16.35	110	276	H
2	* 2.39	51.47	PK	32.1	-24.7	58.87	-	-	74	-15.13	110	276	H
3	* 2.39	37.24	RMS	32.1	-24.7	44.64	54	-9.36	-	-	110	276	H
4	* 2.39	37.32	RMS	32.1	-24.7	44.72	54	-9.28	-	-	110	276	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection





**DATA**

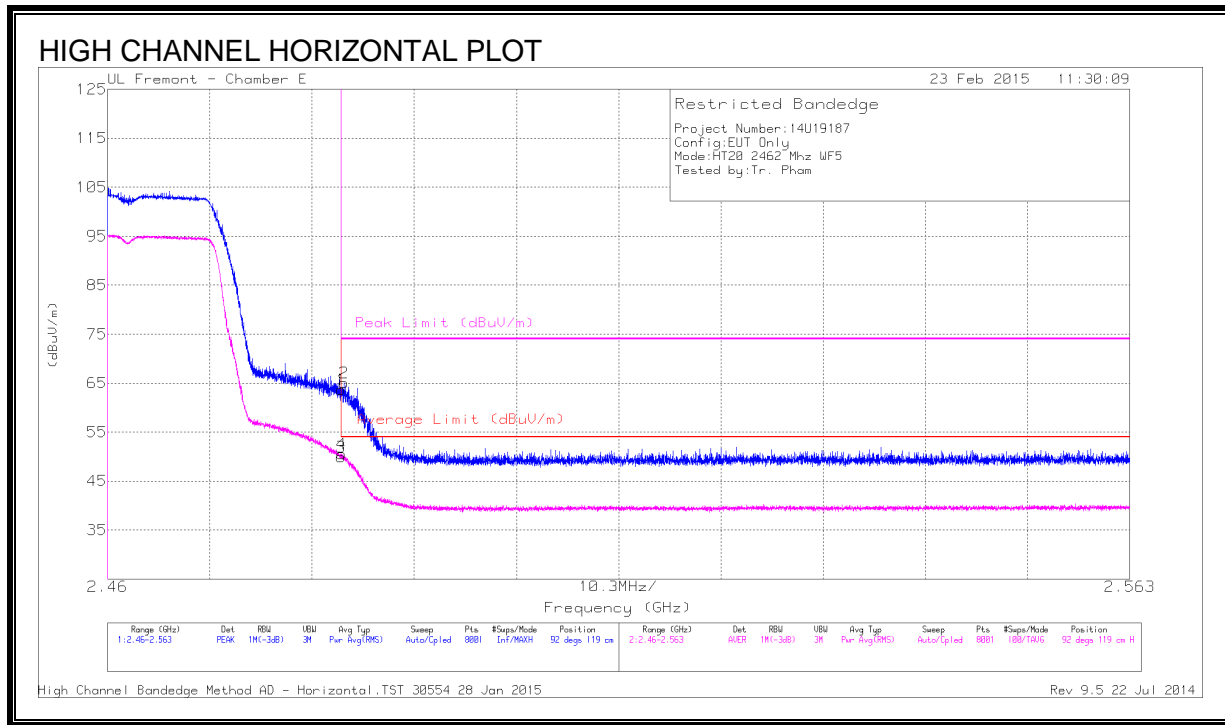
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.93	PK	32.1	-24.7	61.33	-	-	74	-12.67	27	277	V
2	* 2.39	54.9	PK	32.1	-24.7	62.3	-	-	74	-11.7	27	277	V
3	* 2.39	38.98	RMS	32.1	-24.7	46.38	54	-7.62	-	-	27	277	V
4	* 2.39	39.51	RMS	32.1	-24.7	46.91	54	-7.09	-	-	27	277	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**



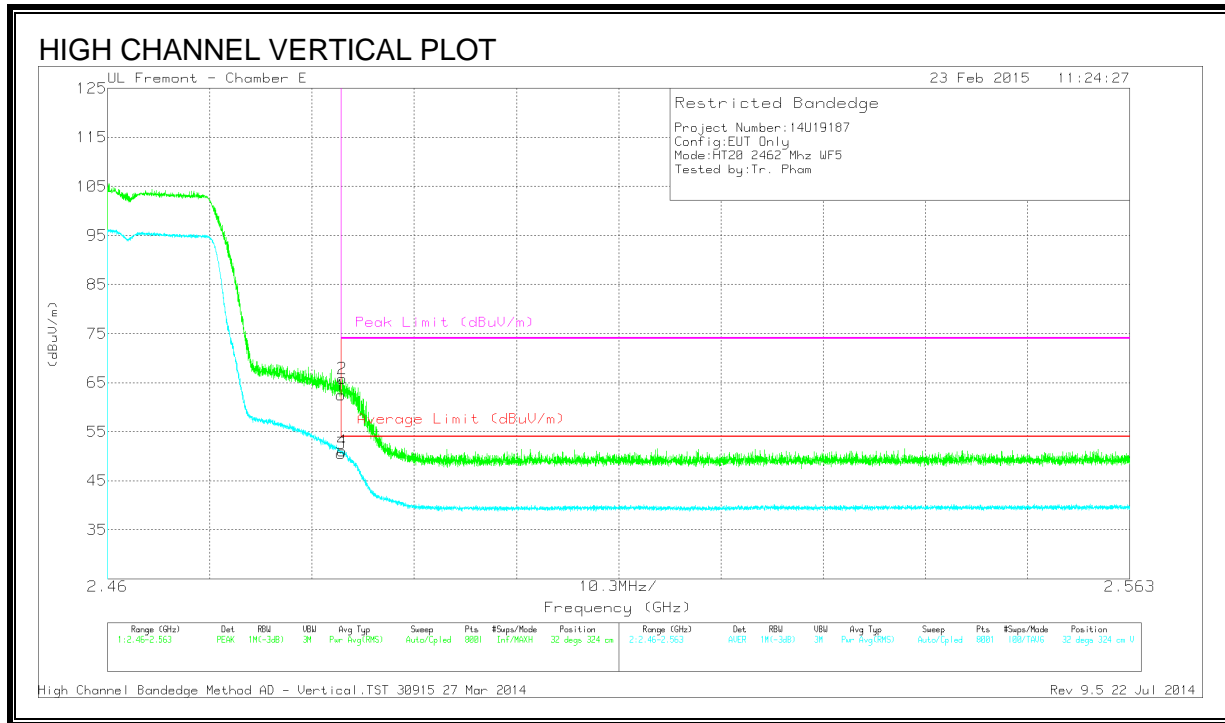
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.8	PK	32.2	-24.3	63.7	-	-	74	-10.3	92	119	H
2	* 2.484	57.22	PK	32.2	-24.3	65.12	-	-	74	-8.88	92	119	H
3	* 2.484	42	RMS	32.2	-24.3	49.9	54	-4.1	-	-	92	119	H
4	* 2.484	42.69	RMS	32.2	-24.3	50.59	54	-3.41	-	-	92	119	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

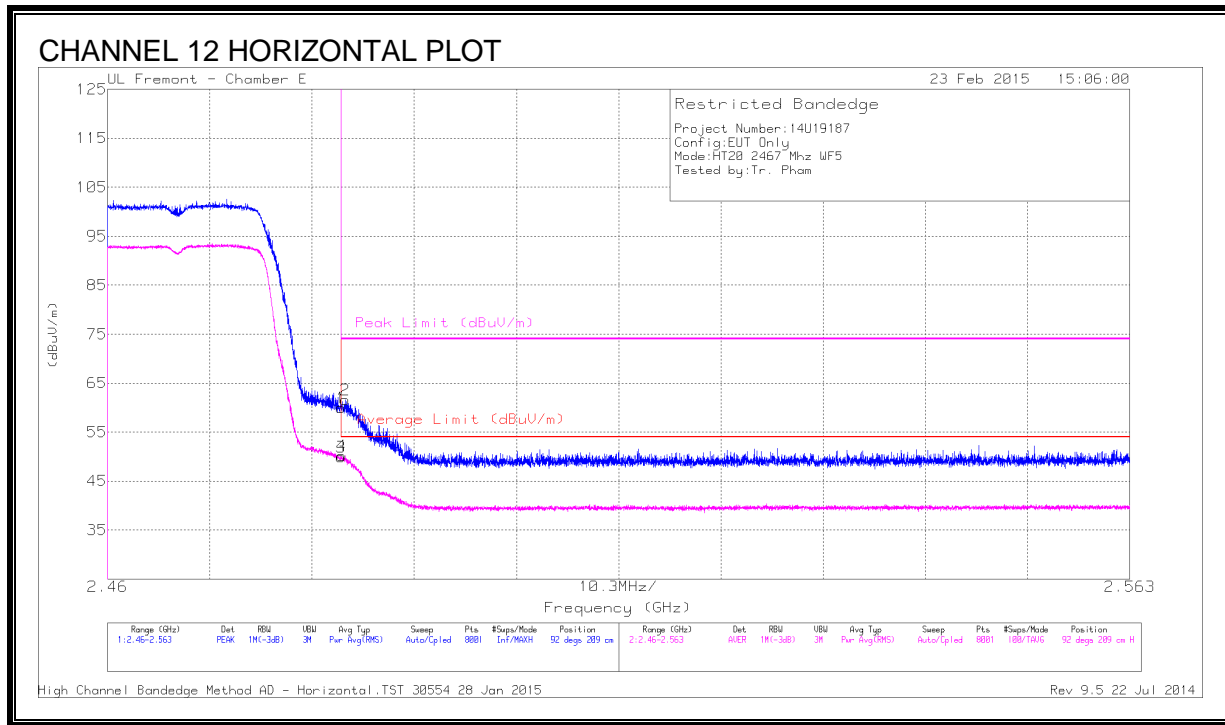
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.61	PK	32.2	-24.3	62.51	-	-	74	-11.49	32	324	V
2	* 2.484	57.97	PK	32.2	-24.3	65.87	-	-	74	-8.13	32	324	V
3	* 2.484	42.7	RMS	32.2	-24.3	50.6	54	-3.4	-	-	32	324	V
4	* 2.484	43.2	RMS	32.2	-24.3	51.1	54	-2.9	-	-	32	324	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 12)**



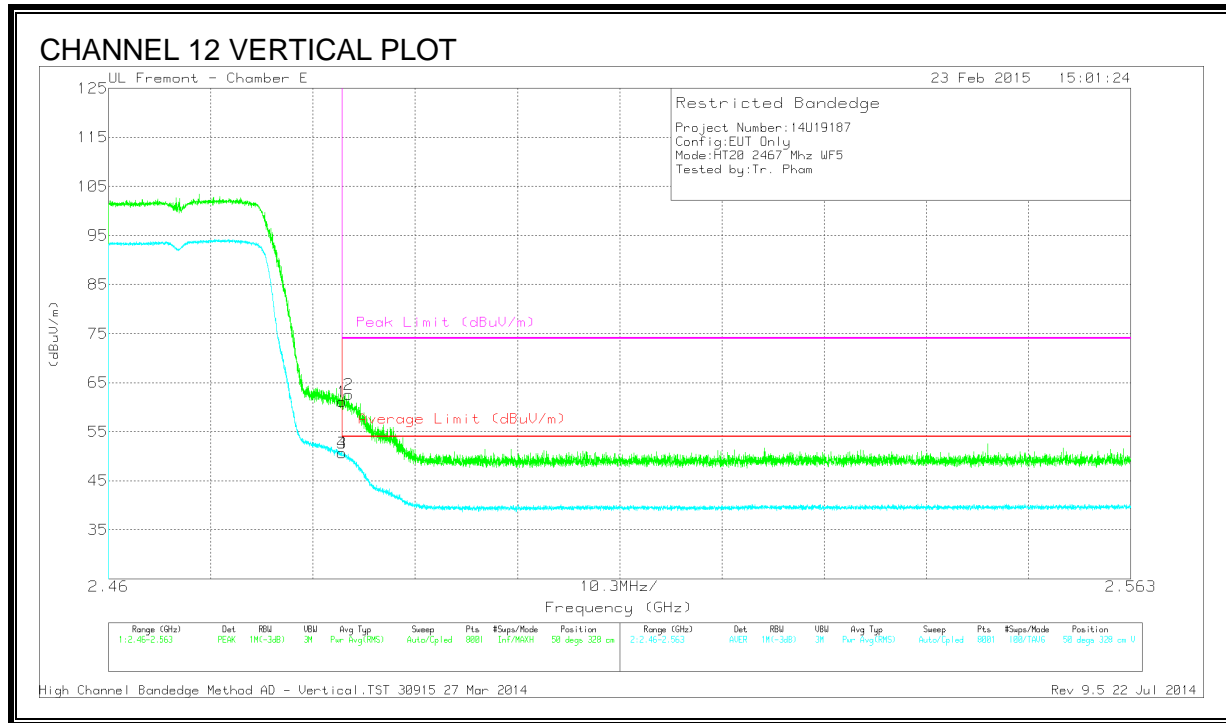
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.07	PK	32.2	-24.3	59.97	-	-	74	-14.03	92	209	H
2	* 2.484	53.64	PK	32.2	-24.3	61.54	-	-	74	-12.46	92	209	H
3	* 2.484	42.01	RMS	32.2	-24.3	49.91	54	-4.09	-	-	92	209	H
4	* 2.484	42.23	RMS	32.2	-24.3	50.13	54	-3.87	-	-	92	209	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

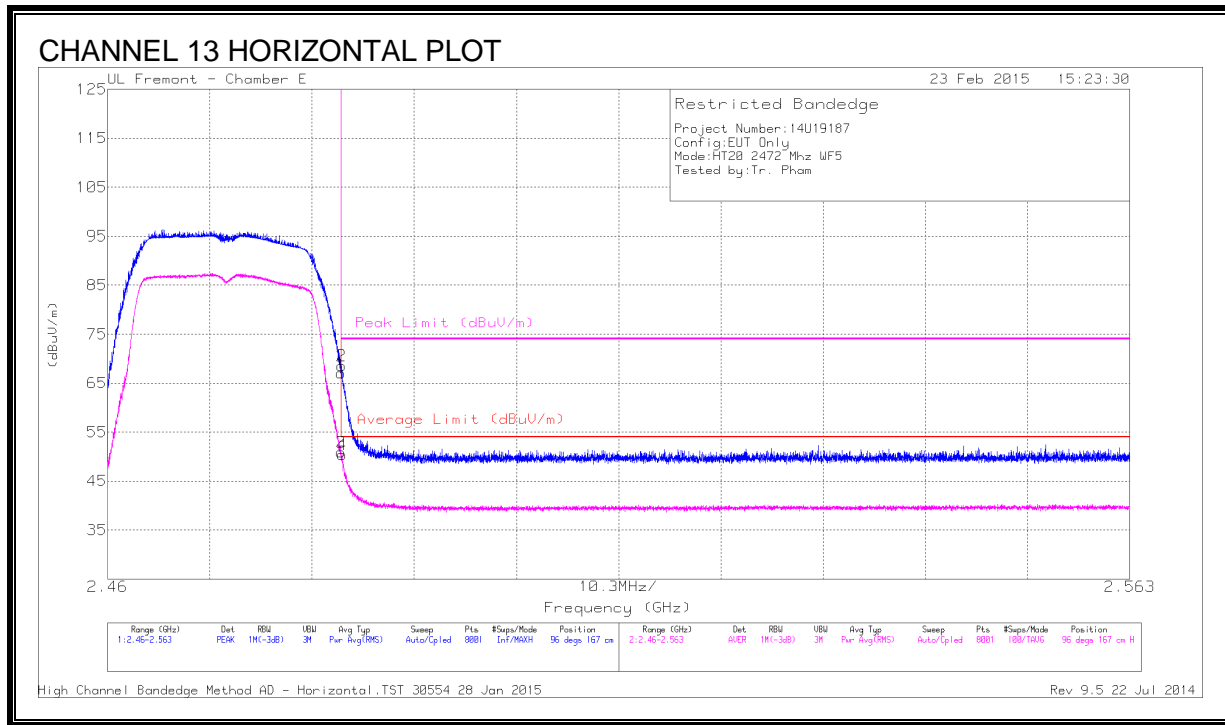
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.25	PK	32.2	-24.3	61.15	-	-	74	-12.85	50	328	V
2	* 2.484	54.67	PK	32.2	-24.3	62.57	-	-	74	-11.43	50	328	V
3	* 2.484	42.77	RMS	32.2	-24.3	50.67	54	-3.33	-	-	50	328	V
4	* 2.484	42.8	RMS	32.2	-24.3	50.7	54	-3.3	-	-	50	328	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 13)**



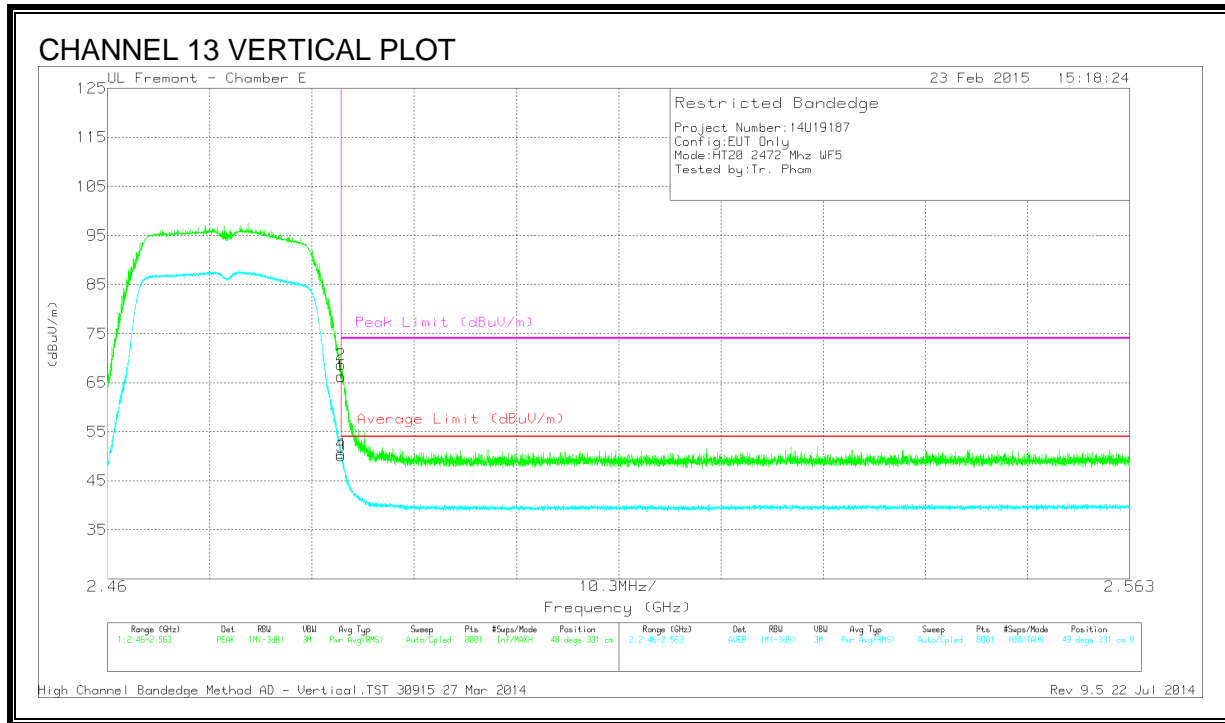
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	59.17	PK	32.2	-24.3	67.07	-	-	74	-6.93	96	167	H
2	* 2.484	60.7	PK	32.2	-24.3	68.6	-	-	74	-5.4	96	167	H
3	* 2.484	42.97	RMS	32.2	-24.3	50.87	54	-3.13	-	-	96	167	H
4	* 2.484	42.56	RMS	32.2	-24.3	50.46	54	-3.54	-	-	96	167	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

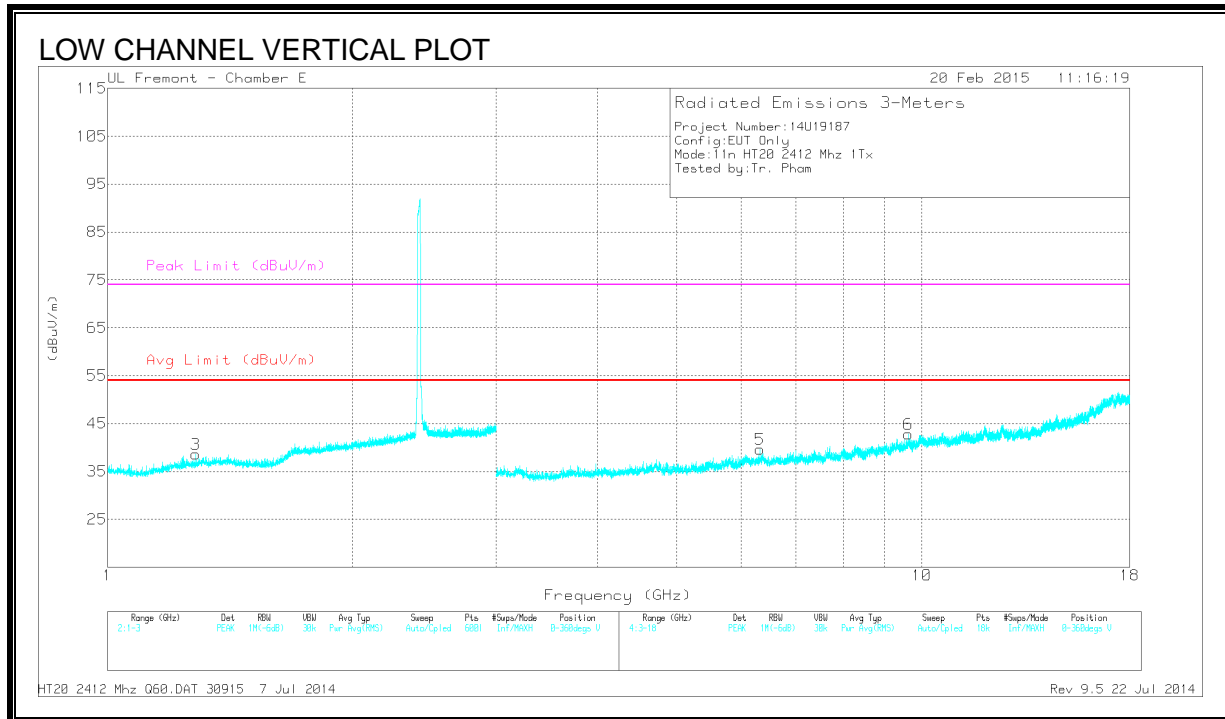
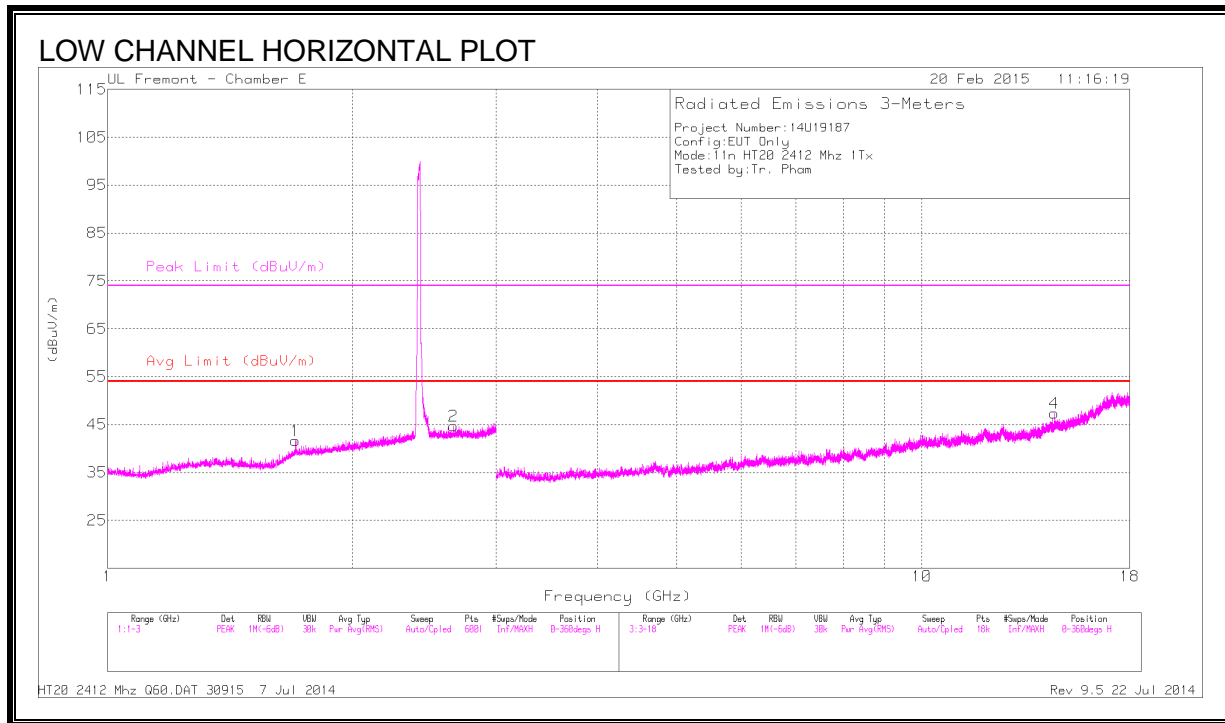
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	58.35	PK	32.2	-24.3	66.25	-	-	74	-7.75	48	331	V
2	* 2.484	60.79	PK	32.2	-24.3	68.69	-	-	74	-5.31	48	331	V
3	* 2.484	42.09	RMS	32.2	-24.3	49.99	54	-4.01	-	-	49	331	V
4	* 2.484	42.61	RMS	32.2	-24.3	50.51	54	-3.49	-	-	49	331	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS**





**DATA**

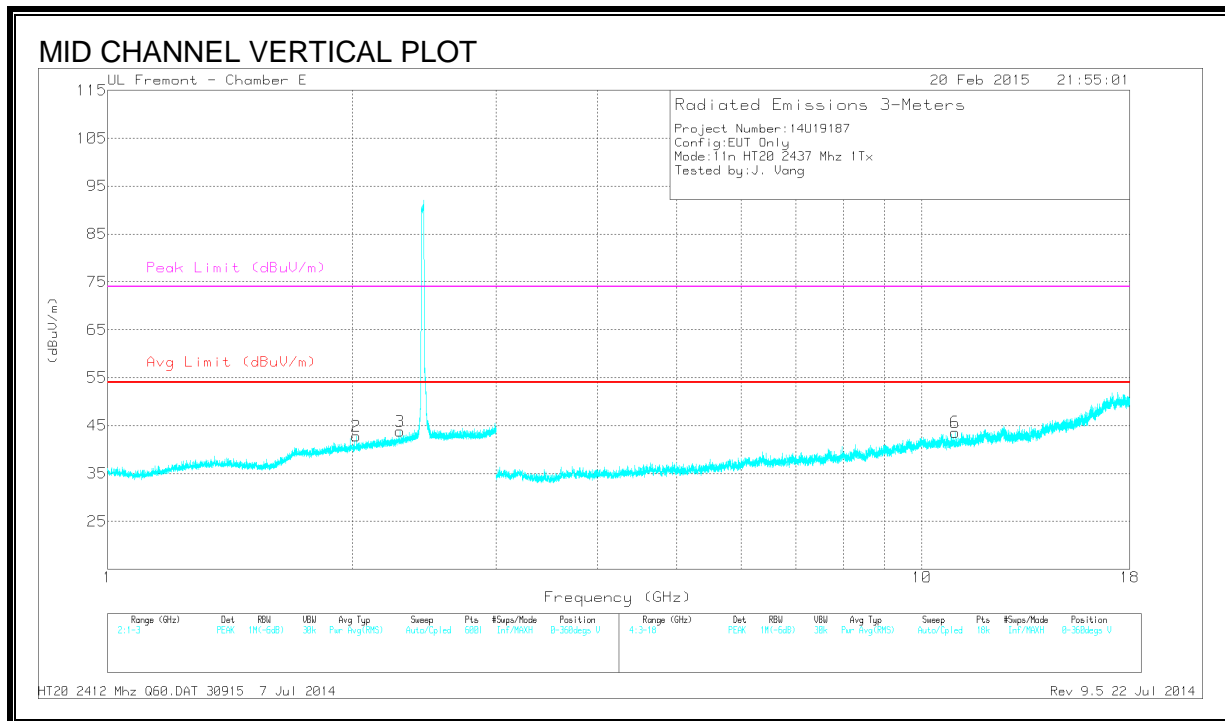
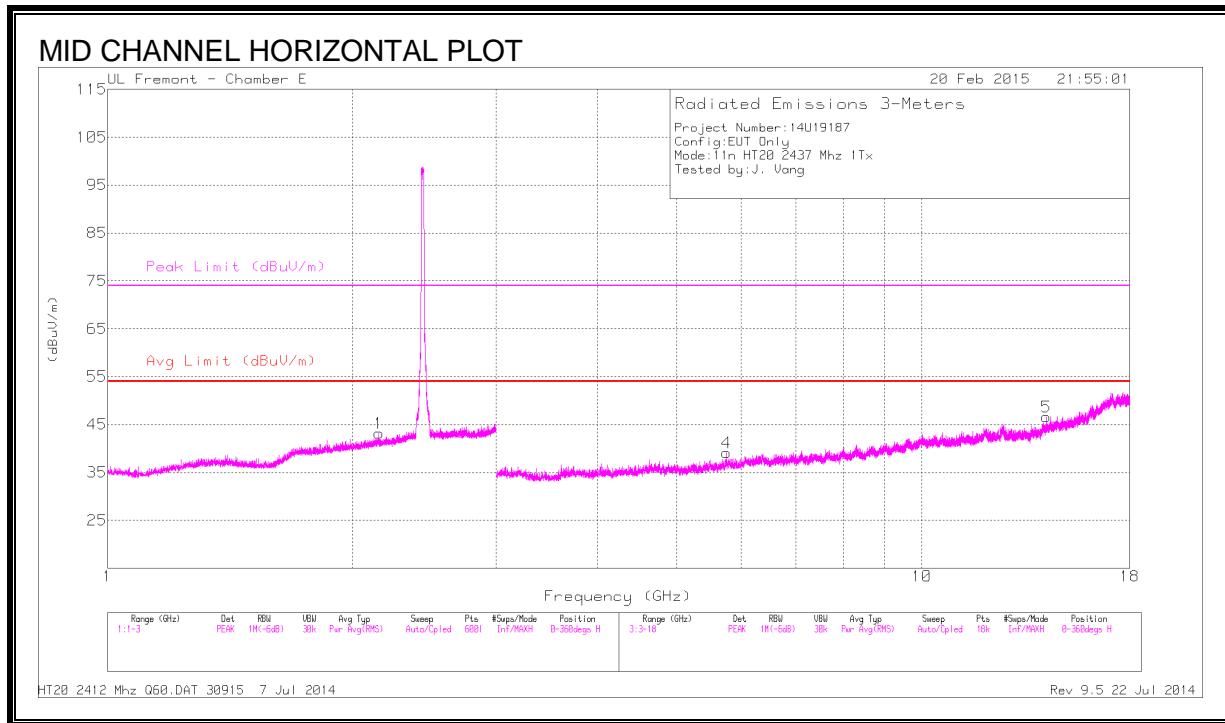
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.702	44	PK2	30.2	-26.3	47.9	-	-	74	-26.1	255	200	H
	* 1.702	32.62	MAv1	30.2	-26.3	36.52	54	-17.48	-	-	255	200	H
2	* 2.659	43.72	PK2	32	-24	51.72	-	-	74	-22.28	296	200	H
	* 2.661	31.6	MAv1	32	-24	39.6	54	-14.4	-	-	296	200	H
3	* 1.283	43.89	PK2	28.4	-27.1	45.19	-	-	74	-28.81	296	102	V
	* 1.282	32.63	MAv1	28.4	-27.1	33.93	54	-20.07	-	-	296	102	V
5	6.33	39.82	PK2	35.3	-28.2	46.92	-	-	-	-	340	200	V
6	9.629	36.26	PK2	36.8	-23.7	49.36	-	-	-	-	340	102	V
4	14.537	38.45	PK2	39.7	-24.6	53.55	-	-	-	-	340	200	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

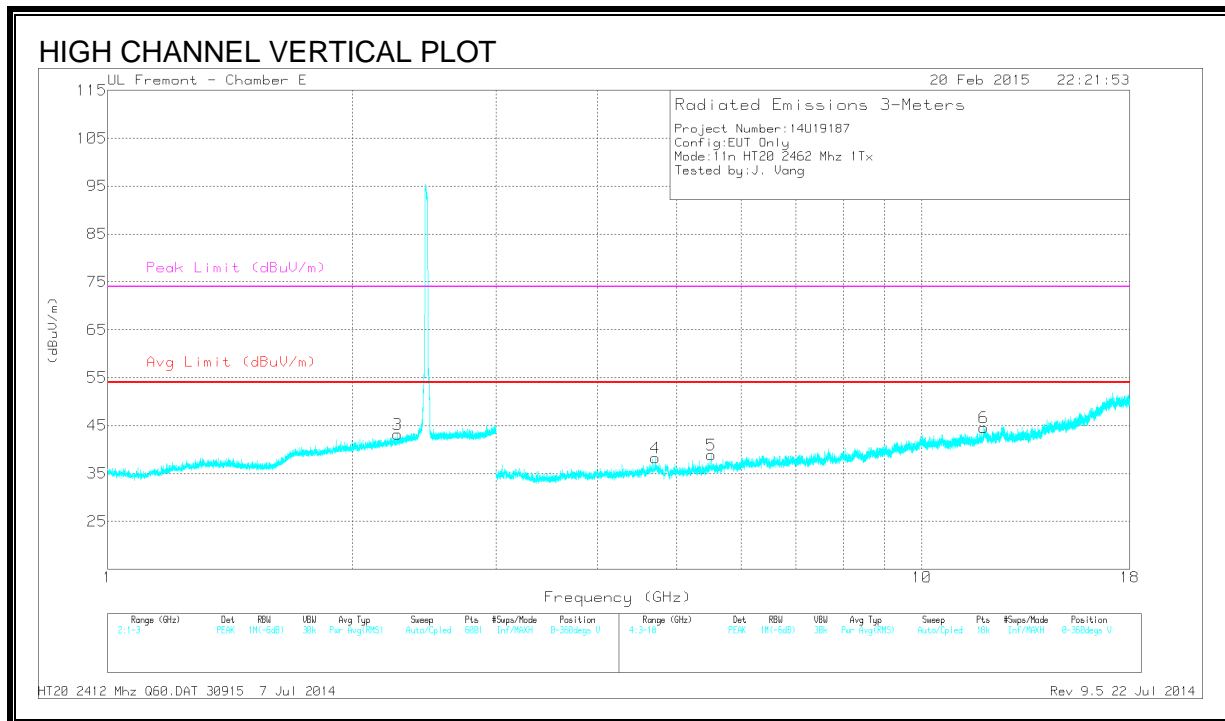
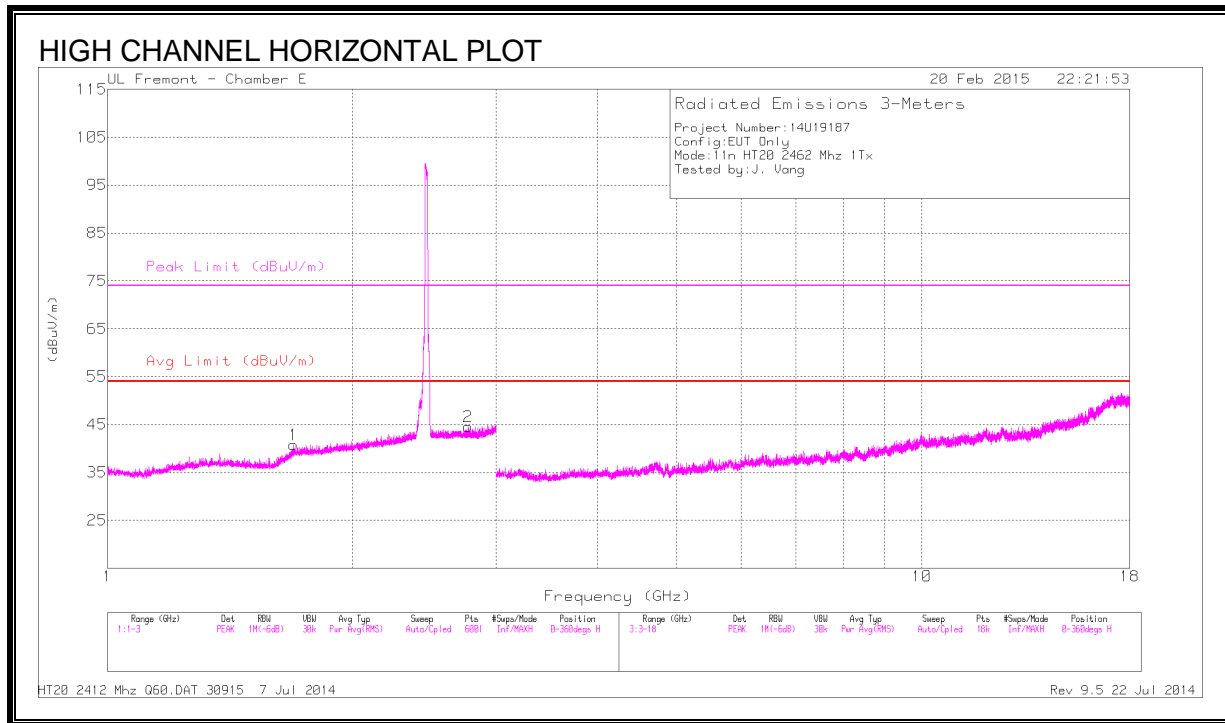
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 2.285	43.91	PK2	31.7	-25.1	50.51	-	-	74	-23.49	98	200	V
	* 2.285	32.43	MAv1	31.7	-25.1	39.03	54	-14.97	-	-	98	200	V
6	* 10.983	36.57	PK2	37.2	-23.6	50.17	-	-	74	-23.83	109	200	V
	* 10.985	24.92	MAv1	37.2	-23.6	38.52	54	-15.48	-	-	109	200	V
2	2.019	43.37	PK2	30.6	-24.9	49.07	-	-	-	-	360	200	V
1	2.153	43.1	PK2	31.1	-25	49.2	-	-	-	-	360	200	H
4	5.758	39.76	PK2	34.6	-28.9	45.46	-	-	-	-	98	101	H
5	14.209	38.76	PK2	39.4	-25	53.16	-	-	-	-	98	200	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

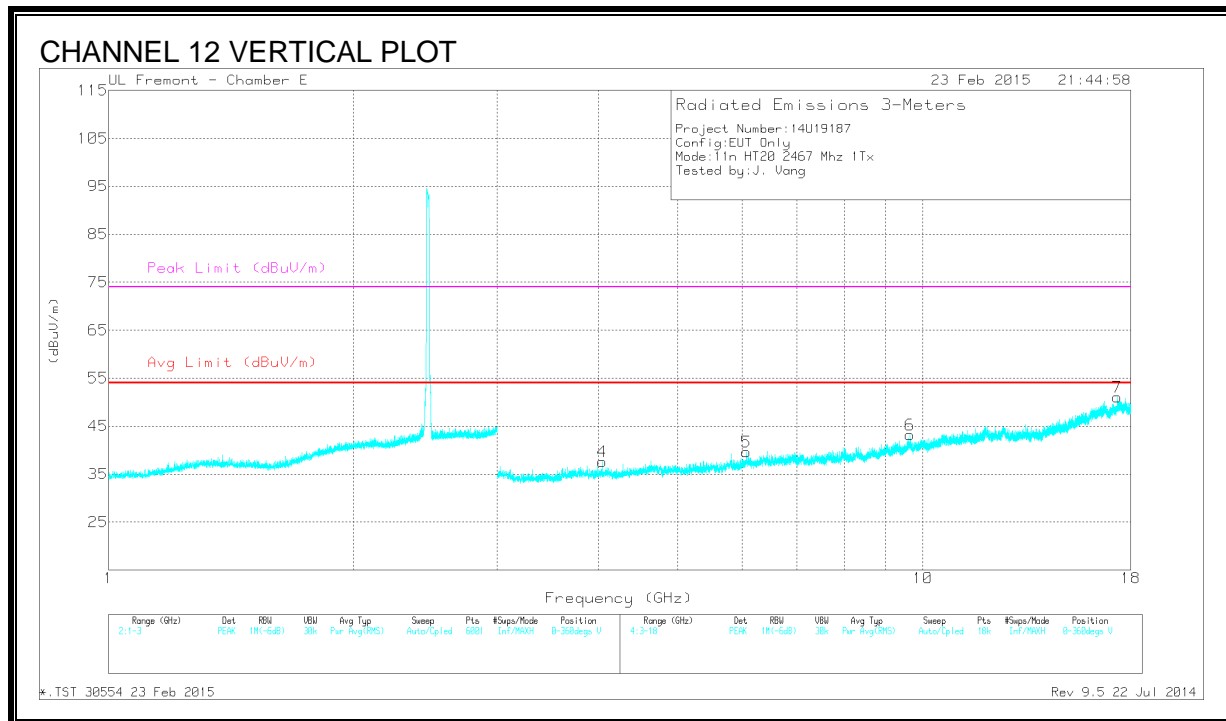
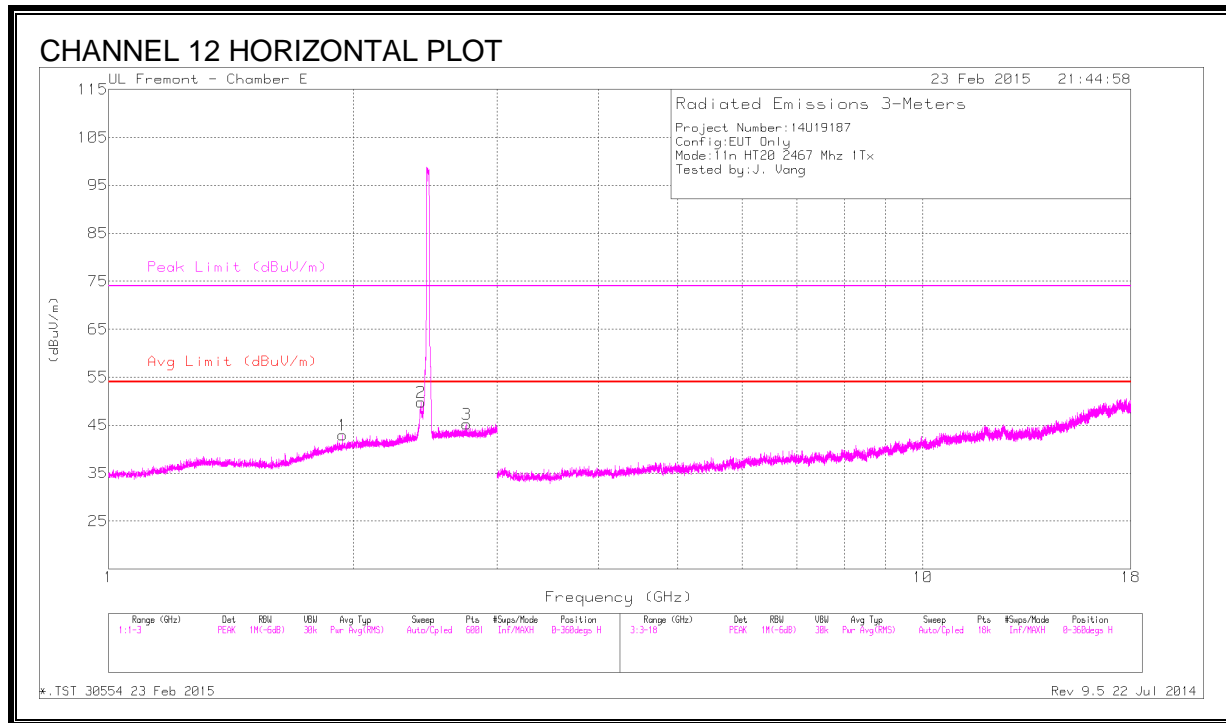
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.695	44.13	PK2	30.1	-26.3	47.93	-	-	74	-26.07	62	177	H
	* 1.693	32.15	MAv1	30.1	-26.2	36.05	54	-17.95	-	-	62	177	H
2	* 2.774	43.37	PK2	32	-23.9	51.47	-	-	74	-22.53	134	115	H
	* 2.774	31.66	MAv1	32	-23.9	39.76	54	-14.24	-	-	134	115	H
3	* 2.27	43.85	PK2	31.6	-25.1	50.35	-	-	74	-23.65	354	157	V
	* 2.27	31.95	MAv1	31.6	-25.1	38.45	54	-15.55	-	-	354	157	V
4	* 4.71	42.02	PK2	34	-30.5	45.52	-	-	74	-28.48	354	200	V
	* 4.711	31.16	MAv1	34	-30.6	34.56	54	-19.44	-	-	354	200	V
6	* 11.921	36.77	PK2	38.1	-22.6	52.27	-	-	74	-21.73	57	200	V
	* 11.922	24.8	MAv1	38.1	-22.5	40.4	54	-13.6	-	-	57	200	V
5	5.513	40.55	PK2	34.4	-30.1	44.85	-	-	-	-	354	200	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 12 HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

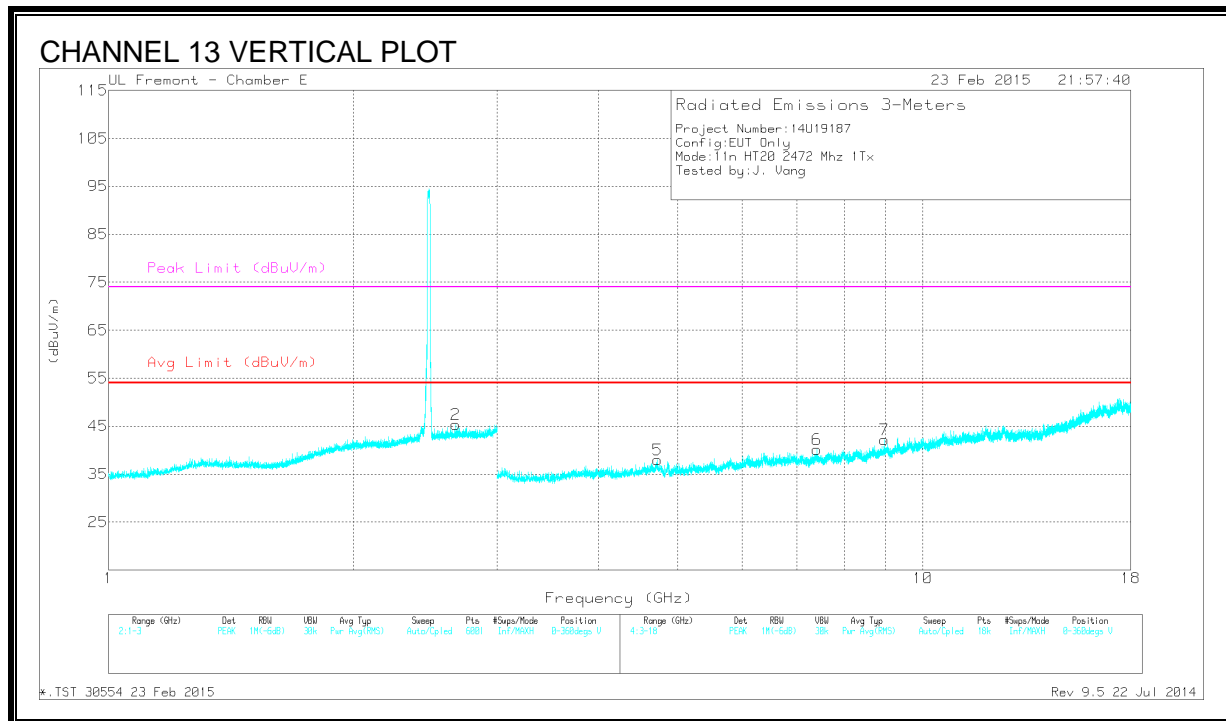
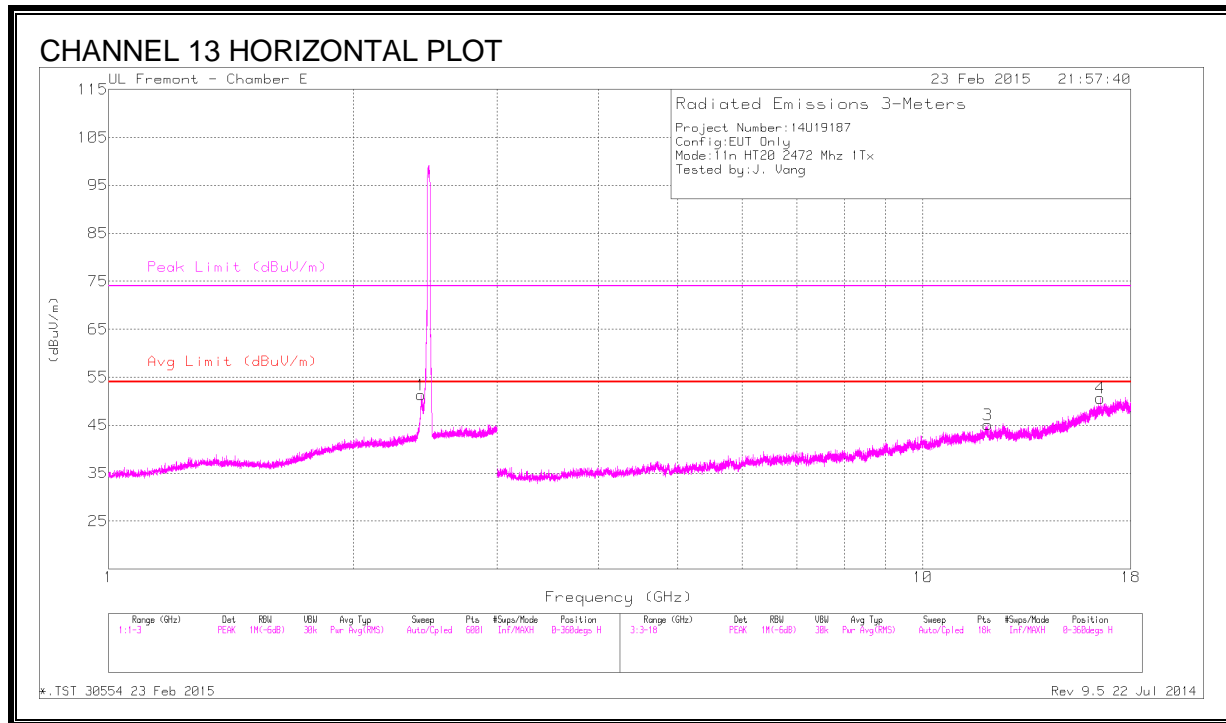
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 2.752	43.58	PK2	32.4	-23.9	52.08	-	-	74	-21.92	121	203	H
	* 2.753	32.12	MAv1	32.4	-23.9	40.62	54	-13.38	-	-	121	203	H
4	* 4.038	41.25	PK2	33.4	-30.8	43.85	-	-	74	-30.15	239	100	V
	* 4.038	30.56	MAv1	33.4	-30.8	33.16	54	-20.84	-	-	239	100	V
1	1.94	44.39	PK2	31	-25.2	50.19	-	-	-	-	159	248	H
2	2.419	47.68	PK2	32.1	-24.6	55.18	-	-	-	-	59	147	H
5	6.067	40.2	PK2	35.2	-28.6	46.8	-	-	-	-	333	233	V
6	9.635	36.48	PK2	36.9	-23.8	49.58	-	-	-	-	36	167	V
7	17.329	35.35	PK2	41.2	-19.2	57.35	-	-	-	-	189	198	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 13 HARMONICS AND SPURIOUS EMISSIONS**





**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.67	43.12	PK2	32.4	-23.9	51.62	-	-	74	-22.38	278	254	V
	* 2.669	32.03	MAv1	32.4	-23.9	40.53	54	-13.47	-	-	278	254	V
3	* 12.011	37.42	PK2	38.6	-23.4	52.62	-	-	74	-21.38	122	101	H
	* 12.012	26	MAv1	38.6	-23.4	41.2	54	-12.8	-	-	122	101	H
5	* 4.721	42.02	PK2	34.2	-30.7	45.52	-	-	74	-28.48	29	175	V
	* 4.72	31.03	MAv1	34.2	-30.7	34.53	54	-19.47	-	-	29	175	V
6	* 7.413	38.89	PK2	35.6	-27.5	46.99	-	-	74	-27.01	301	223	V
	* 7.414	27.68	MAv1	35.6	-27.6	35.68	54	-18.32	-	-	301	223	V
1	2.42	56.22	PK2	32.1	-24.6	63.72	-	-	-	-	221	115	H
7	8.962	37.42	PK2	36.2	-25.6	48.02	-	-	-	-	256	225	V
4	16.506	36.46	PK2	41.2	-20.2	57.46	-	-	-	-	225	125	H

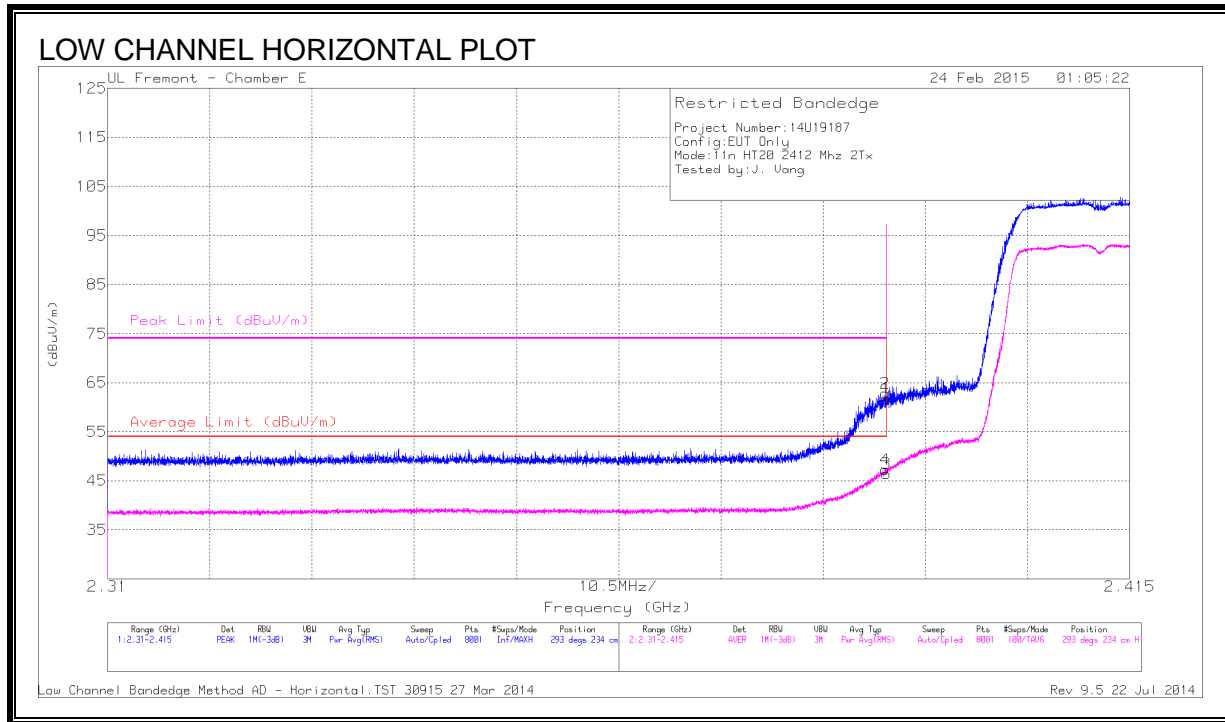
\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.8. 802.11n HT20 2Tx ANTENNA A & B MODE IN THE 2.4 GHz BAND

### RESTRICTED BANDEDGE (LOW CHANNEL)



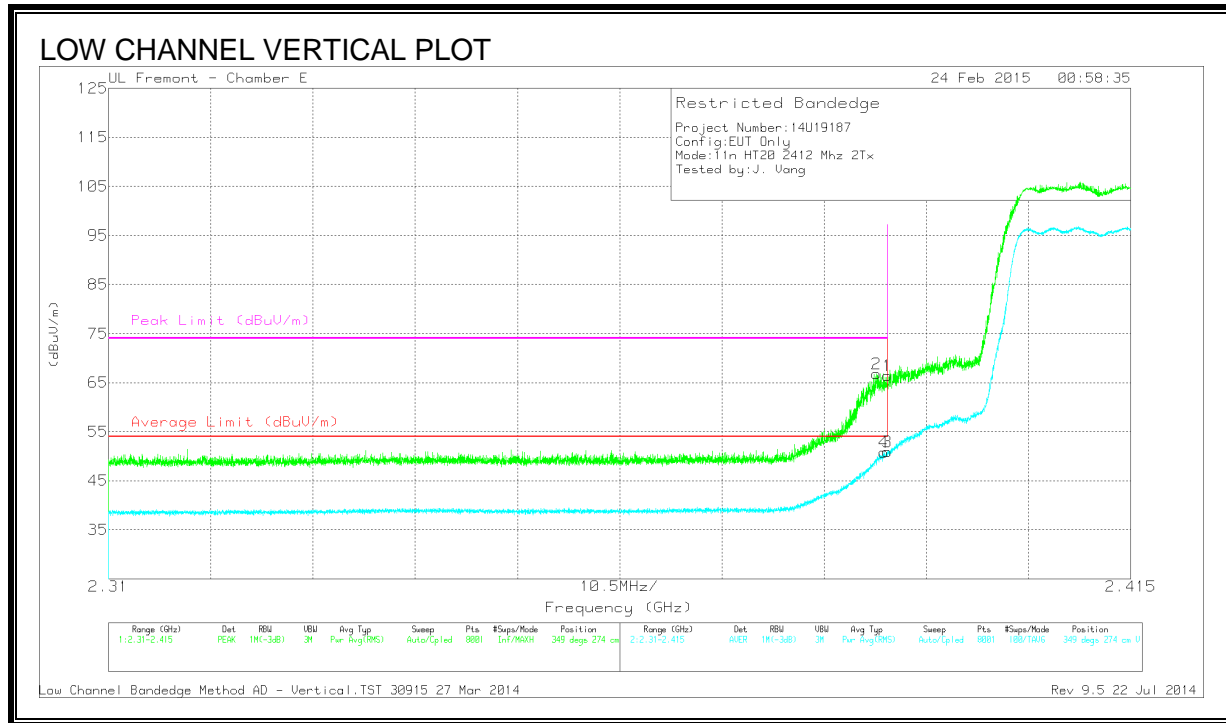
### DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Par d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	54.45	PK	32.1	-24.7	61.85	-	-	74	-12.15	293	234	H
2	* 2.39	55.38	PK	32.1	-24.7	62.78	-	-	74	-11.22	293	234	H
3	* 2.39	39.08	RMS	32.1	-24.7	46.48	54	-7.52	-	-	293	234	H
4	* 2.39	39.94	RMS	32.1	-24.7	47.34	54	-6.66	-	-	293	234	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

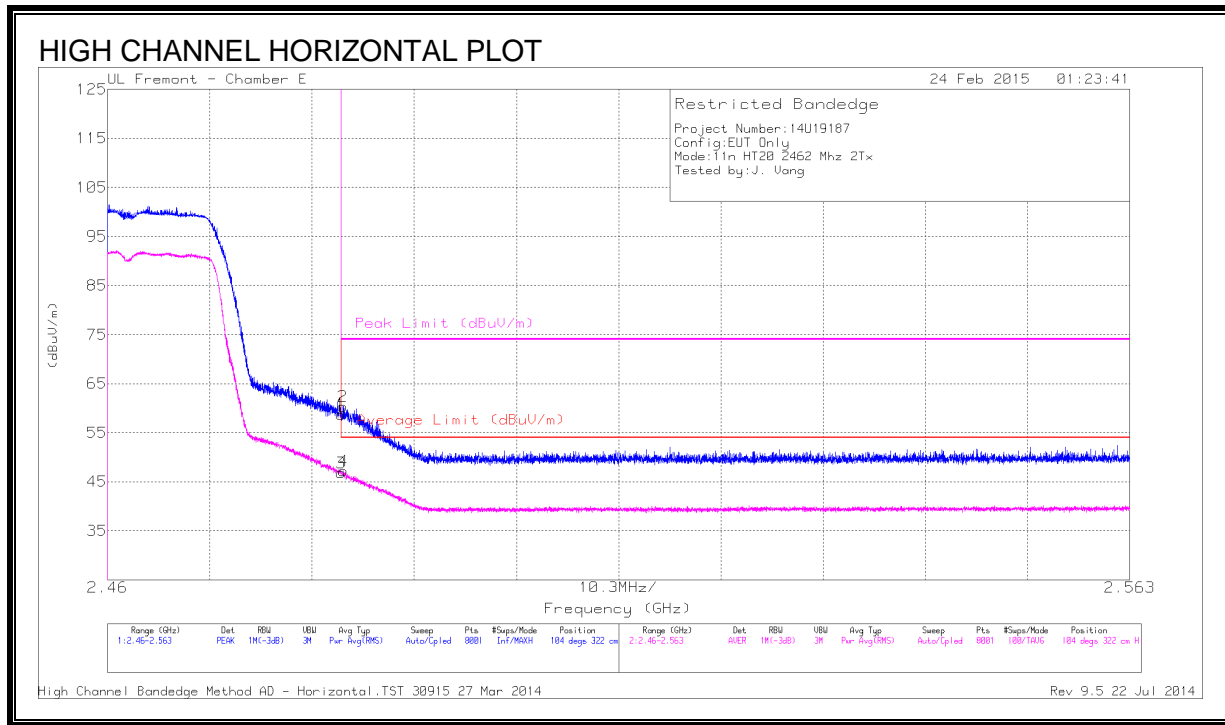
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.06	PK	32.1	-24.7	66.46	-	-	74	-7.54	349	274	V
2	* 2.389	59.44	PK	32.1	-24.7	66.84	-	-	74	-7.16	349	274	V
3	* 2.39	43.49	RMS	32.1	-24.7	50.89	54	-3.11	-	-	349	274	V
4	* 2.39	43.39	RMS	32.1	-24.7	50.79	54	-3.21	-	-	349	274	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**



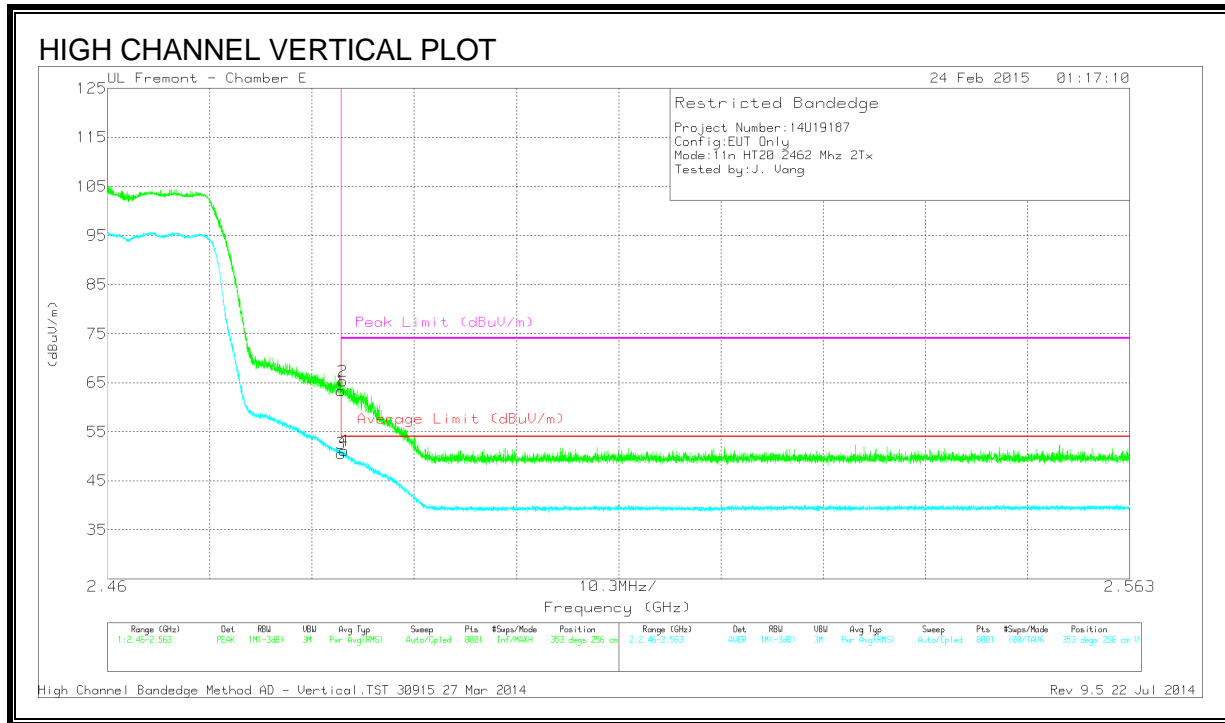
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Par d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.86	PK	32.2	-24.3	58.76	-	-	74	-15.24	104	322	H
2	* 2.484	52.48	PK	32.2	-24.3	60.38	-	-	74	-13.62	104	322	H
3	* 2.484	38.91	RMS	32.2	-24.3	46.81	54	-7.19	-	-	104	322	H
4	* 2.484	39.29	RMS	32.2	-24.3	47.19	54	-6.81	-	-	104	322	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

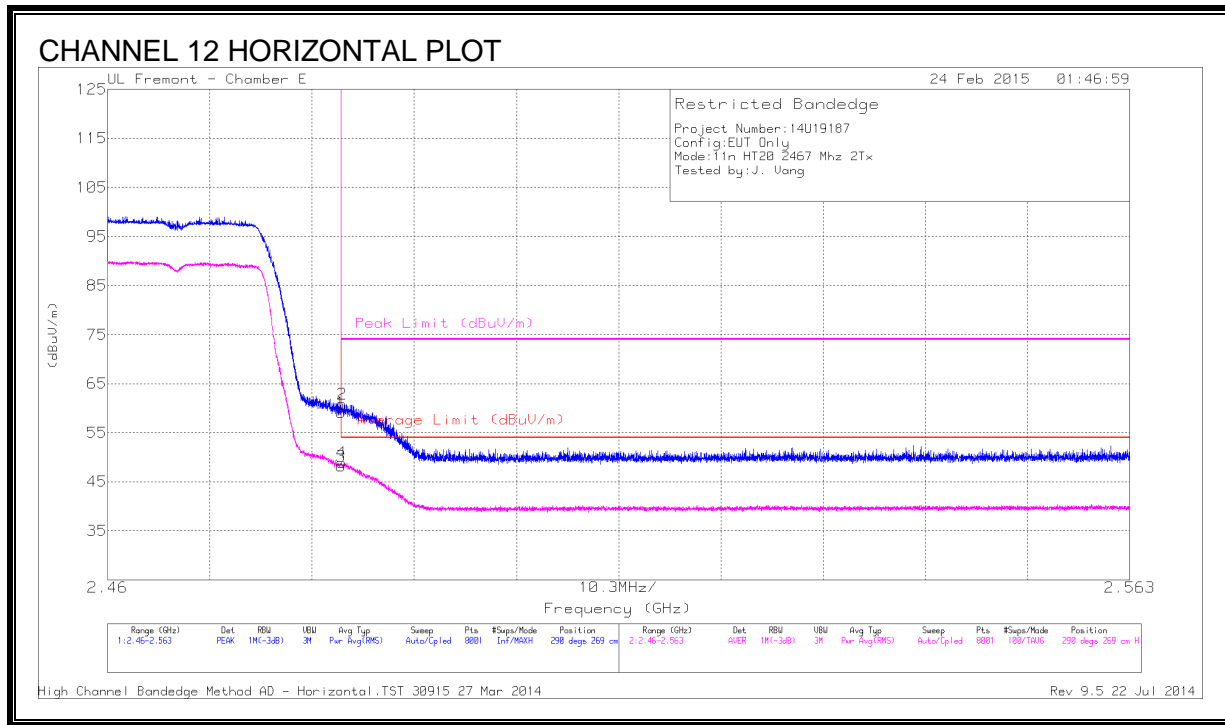
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Par d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.39	PK	32.2	-24.3	63.29	-	-	74	-10.71	353	256	V
2	* 2.484	57.38	PK	32.2	-24.3	65.28	-	-	74	-8.72	353	256	V
3	* 2.484	42.68	RMS	32.2	-24.3	50.58	54	-3.42	-	-	353	256	V
4	* 2.484	43.27	RMS	32.2	-24.3	51.17	54	-2.83	-	-	353	256	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 12)**



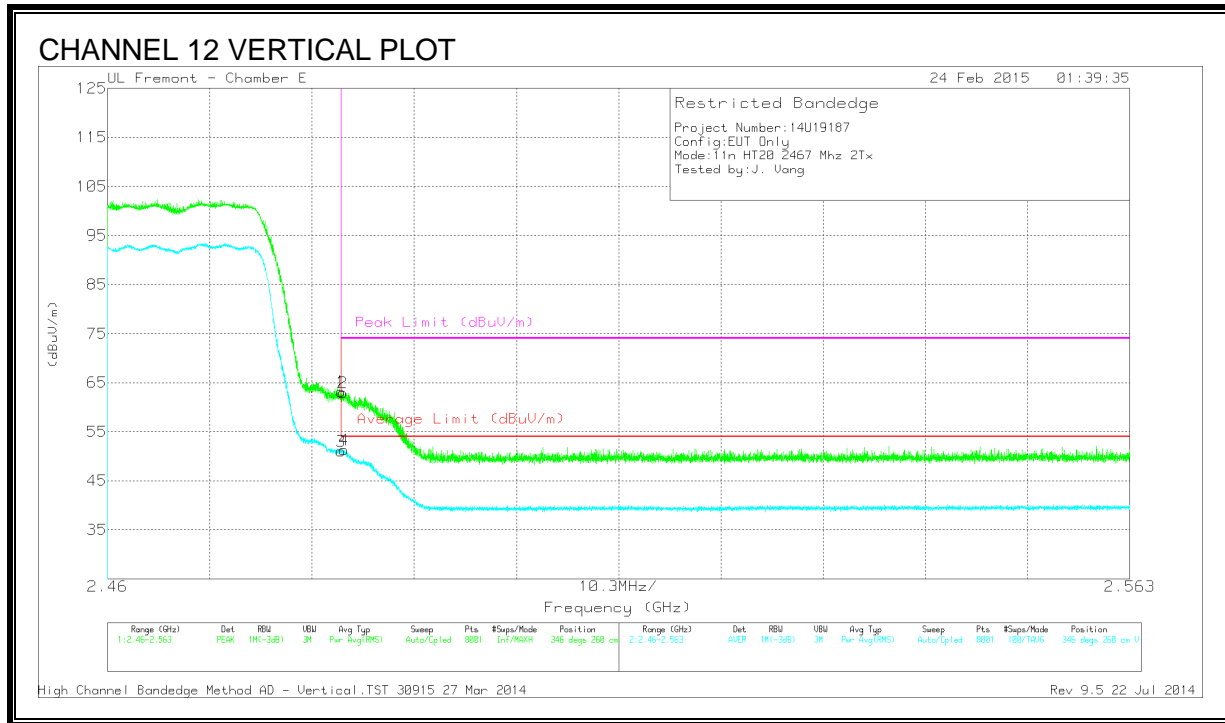
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.26	PK	32.2	-24.3	59.16	-	-	74	-14.84	290	269	H
2	* 2.484	52.94	PK	32.2	-24.3	60.84	-	-	74	-13.16	290	269	H
3	* 2.484	40.3	RMS	32.2	-24.3	48.2	54	-5.8	-	-	290	269	H
4	* 2.484	41.02	RMS	32.2	-24.3	48.92	54	-5.08	-	-	290	269	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection



**DATA**

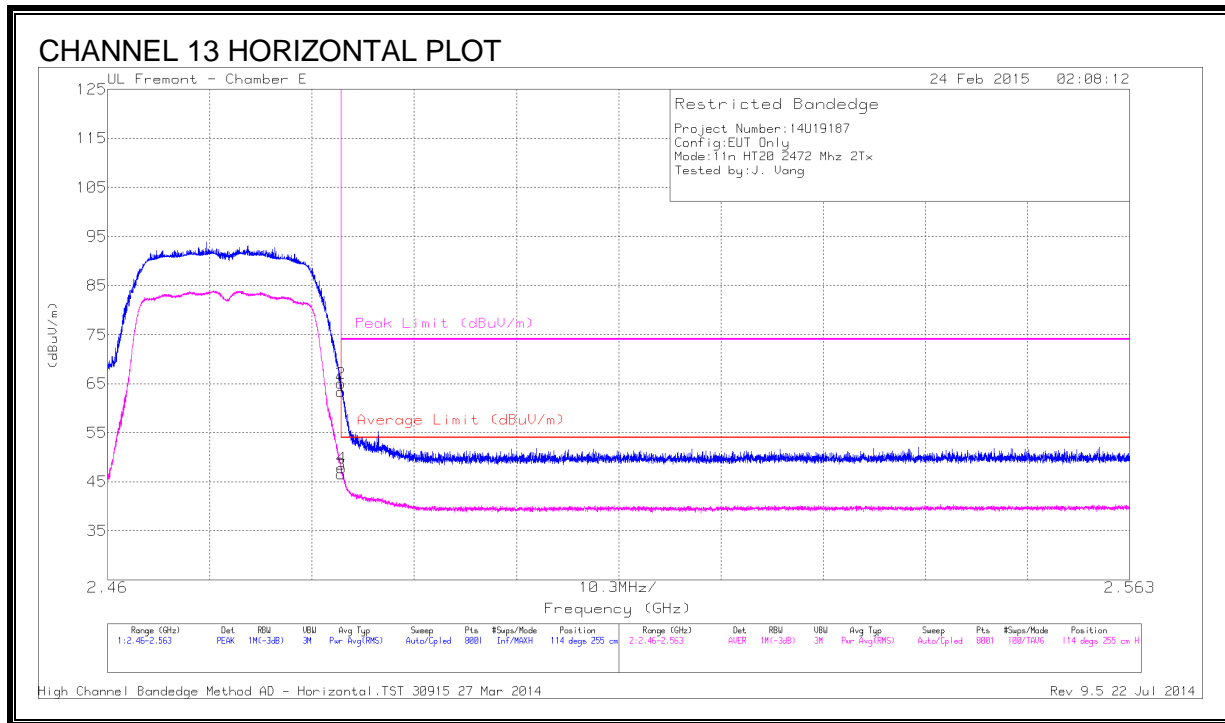
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Par d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.3	PK	32.2	-24.3	63.2	-	-	74	-10.8	346	260	V
2	* 2.484	55.07	PK	32.2	-24.3	62.97	-	-	74	-11.03	346	260	V
3	* 2.484	43.08	RMS	32.2	-24.3	50.98	54	-3.02	-	-	346	260	V
4	* 2.484	43.42	RMS	32.2	-24.3	51.32	54	-2.68	-	-	346	260	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 13)**



**DATA**

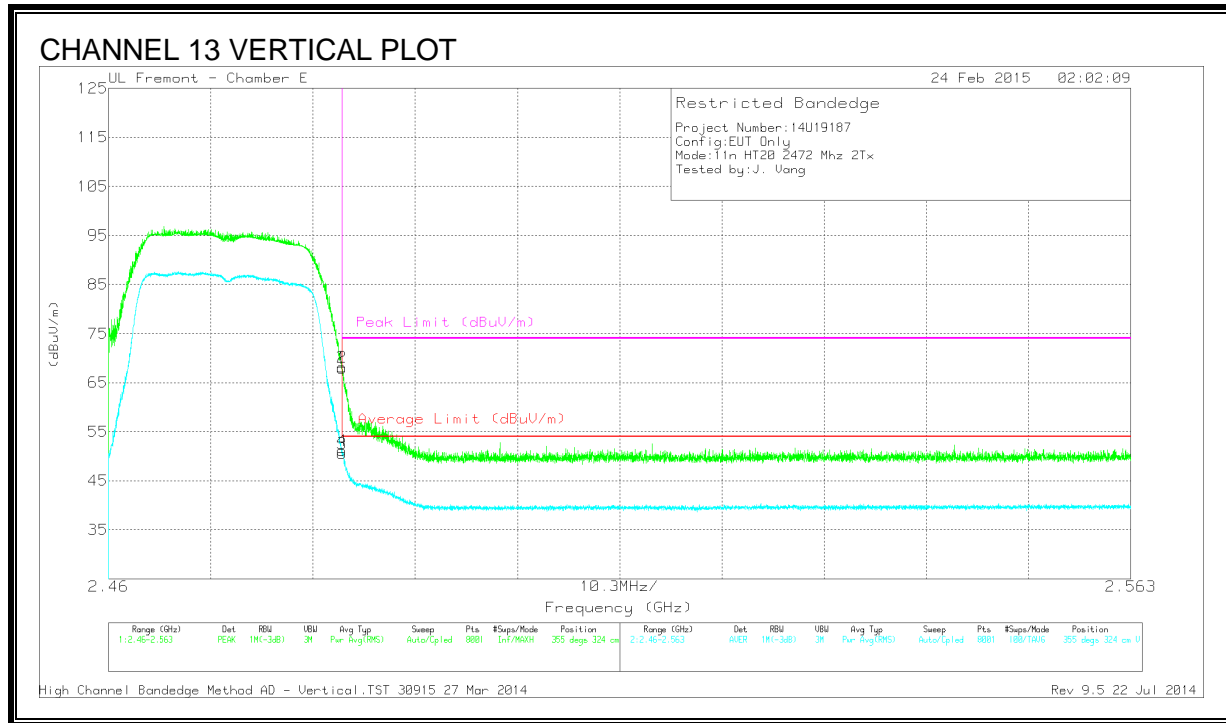
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.49	PK	32.2	-24.3	63.39	-	-	74	-10.61	114	255	H
2	* 2.484	57.17	PK	32.2	-24.3	65.07	-	-	74	-8.93	114	255	H
3	* 2.484	38.67	RMS	32.2	-24.3	46.57	54	-7.43	-	-	114	255	H
4	* 2.484	39.88	RMS	32.2	-24.3	47.78	54	-6.22	-	-	114	255	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection





**DATA**

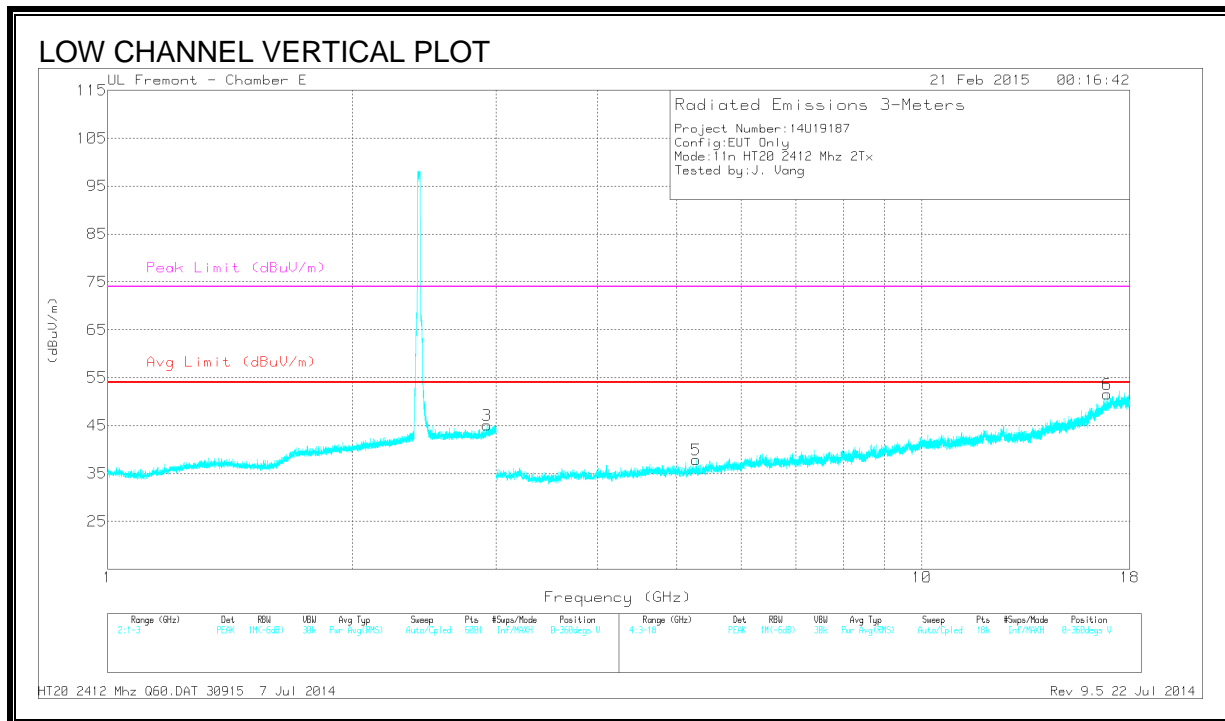
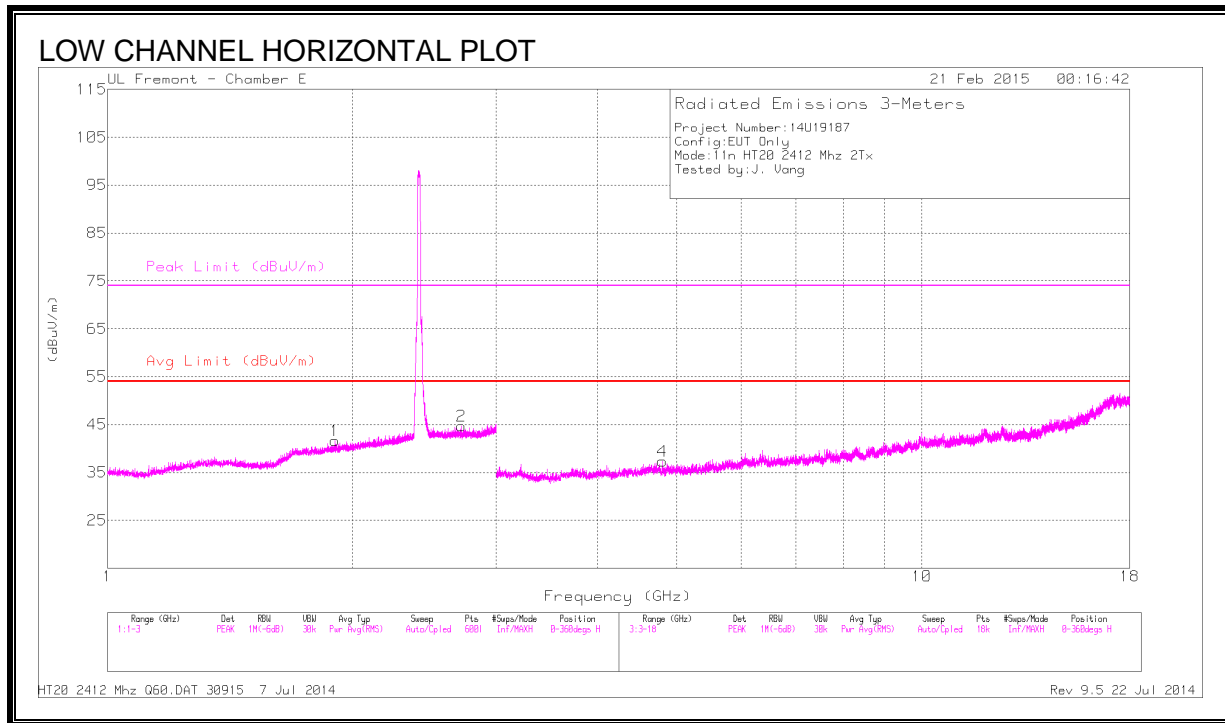
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	60.08	PK	32.2	-24.3	67.98	-	-	74	-6.02	355	324	V
2	* 2.484	60.25	PK	32.2	-24.3	68.15	-	-	74	-5.85	355	324	V
3	* 2.484	42.68	RMS	32.2	-24.3	50.58	54	-3.42	-	-	355	324	V
4	* 2.484	43.23	RMS	32.2	-24.3	51.13	54	-2.87	-	-	355	324	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

**LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

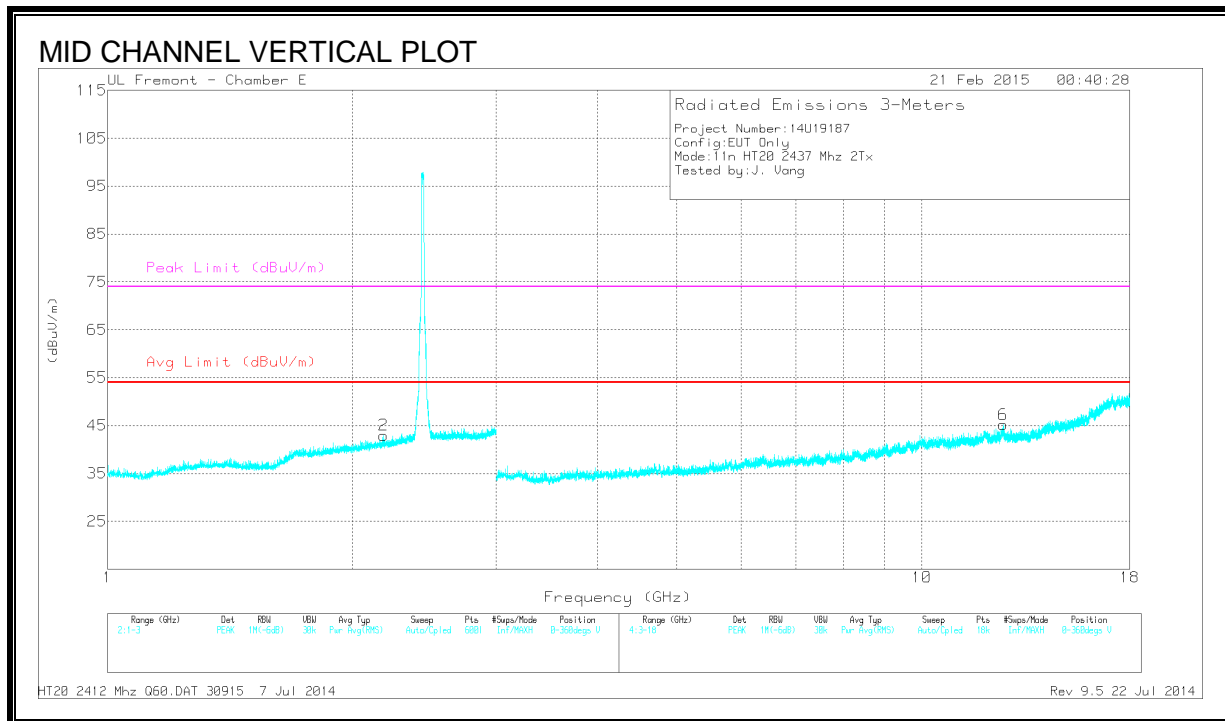
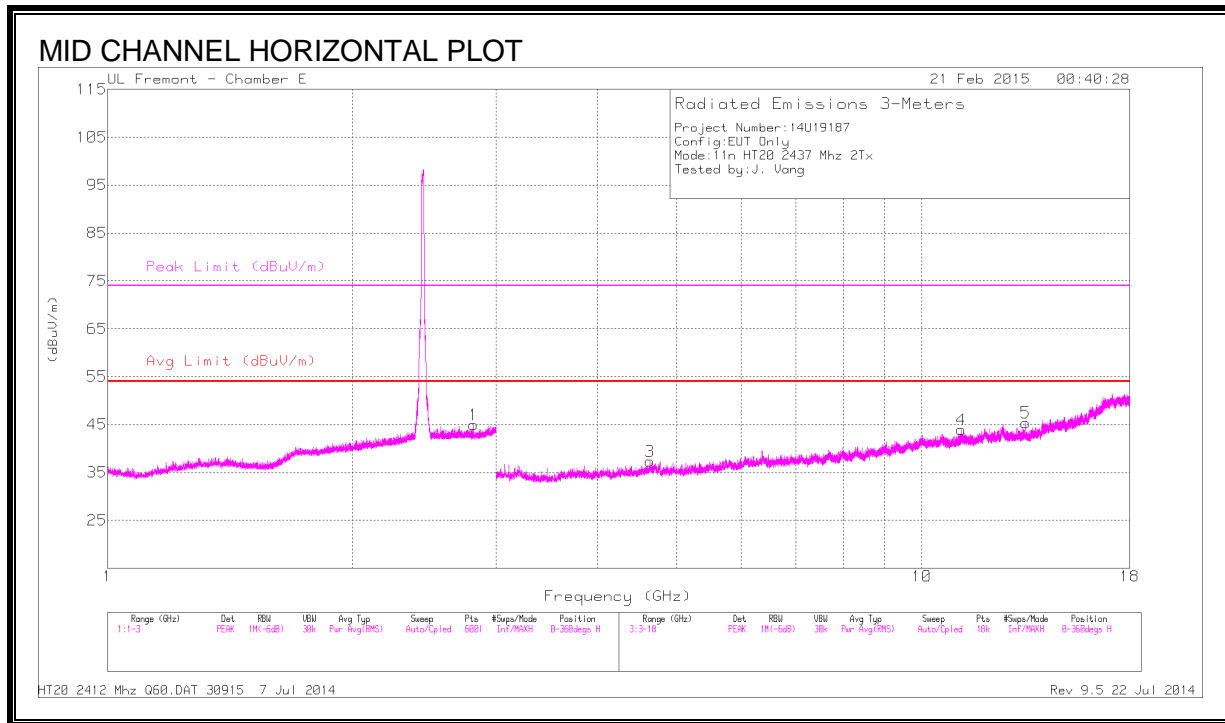
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.72	43.06	PK2	32	-24	51.06	-	-	74	-22.94	359	101	H
	* 2.719	31.57	MAv1	32	-24	39.57	54	-14.43	-	-	359	101	H
4	* 4.803	41.27	PK2	33.9	-30.9	44.27	-	-	74	-29.73	274	101	H
	* 4.8	29.99	MAv1	33.9	-31	32.89	54	-21.11	-	-	274	101	H
1	1.902	44.67	PK2	30.4	-25.4	49.67	-	-	-	-	0	101	H
3	2.924	43.74	PK2	32.3	-23.9	52.14	-	-	-	-	359	200	V
5	5.282	40.63	PK2	34.1	-30.5	44.23	-	-	-	-	274	101	V
6	16.887	35.81	PK2	42.8	-20.3	58.31	-	-	-	-	274	200	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

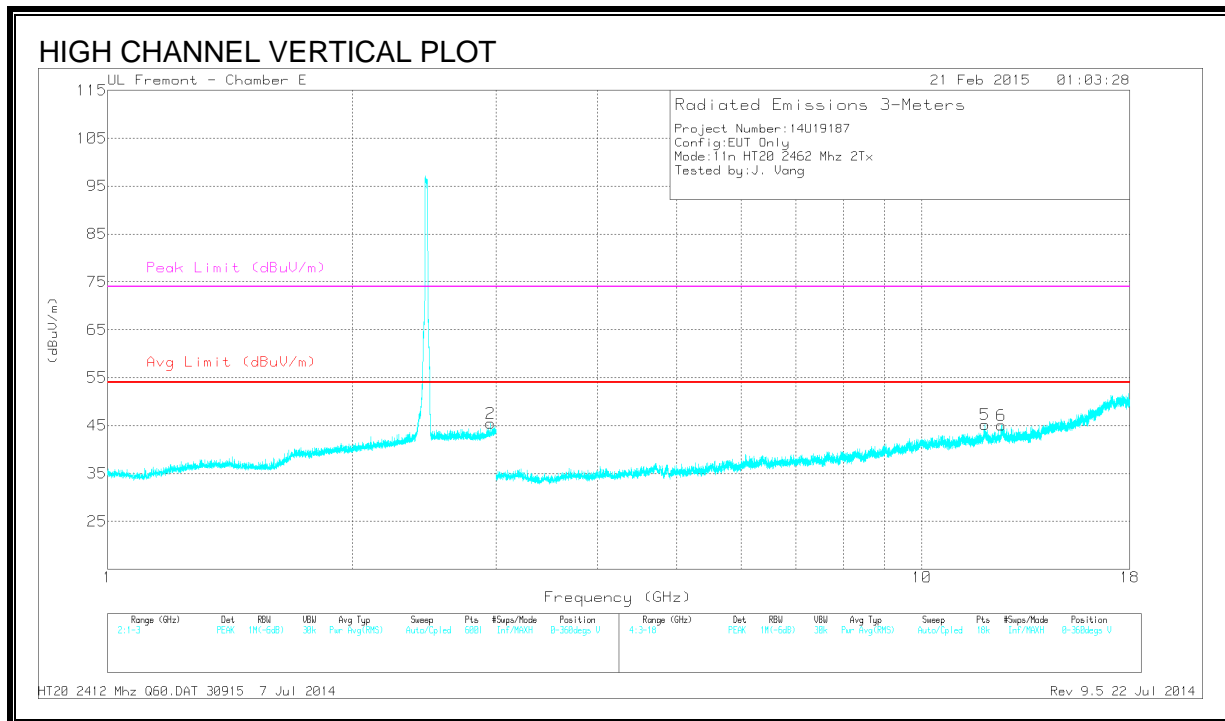
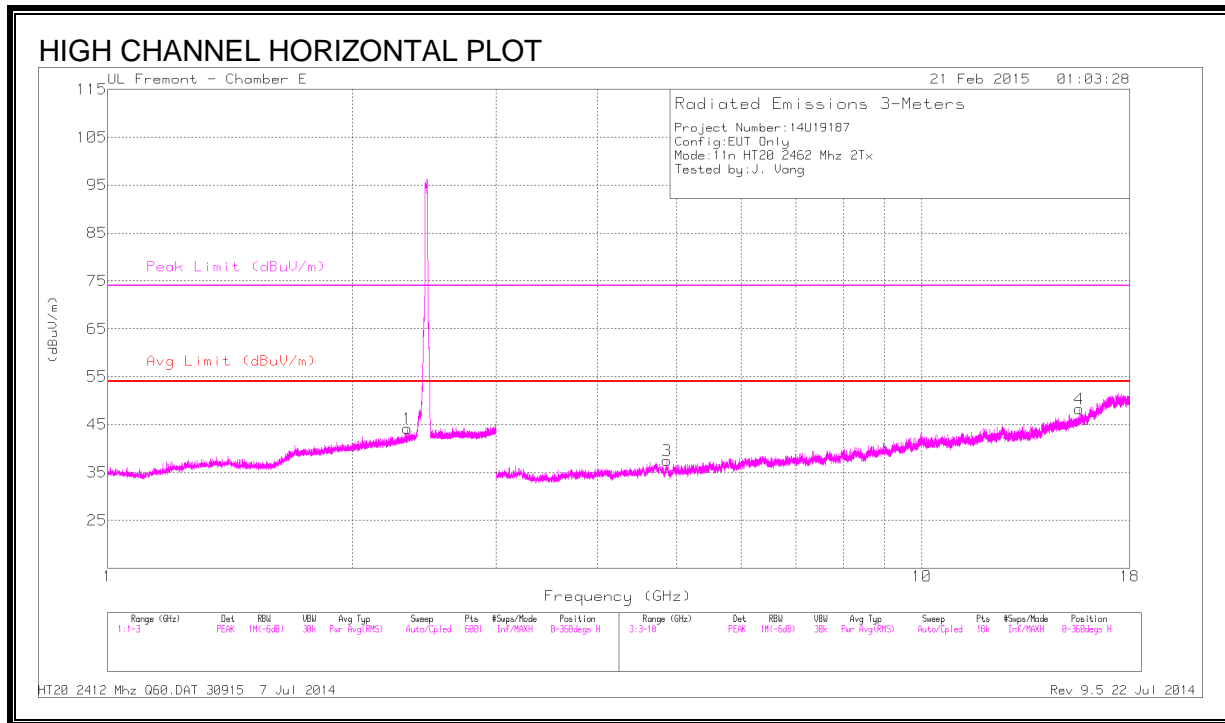
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.815	43.55	PK2	32	-24.1	51.45	-	-	74	-22.55	253	200	H
	* 2.813	31.73	MAv1	32	-24.1	39.63	54	-14.37	-	-	253	200	H
3	* 4.634	39.94	PK2	33.9	-29.8	44.04	-	-	74	-29.96	352	100	H
	* 4.635	28.66	MAv1	33.9	-29.8	32.76	54	-21.24	-	-	352	100	H
4	* 11.18	36.38	PK2	37.4	-23	50.78	-	-	74	-23.22	360	200	H
	* 11.178	25.19	MAv1	37.4	-23.1	39.49	54	-14.51	-	-	360	200	H
6	* 12.586	37.03	PK2	38.7	-23.6	52.13	-	-	74	-21.87	117	200	V
	* 12.584	25.82	MAv1	38.7	-23.6	40.92	54	-13.08	-	-	117	200	V
2	2.181	44.01	PK2	31.3	-25.1	50.21	-	-	-	-	253	200	V
5	13.418	37.72	PK2	38.6	-25	51.32	-	-	-	-	360	200	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

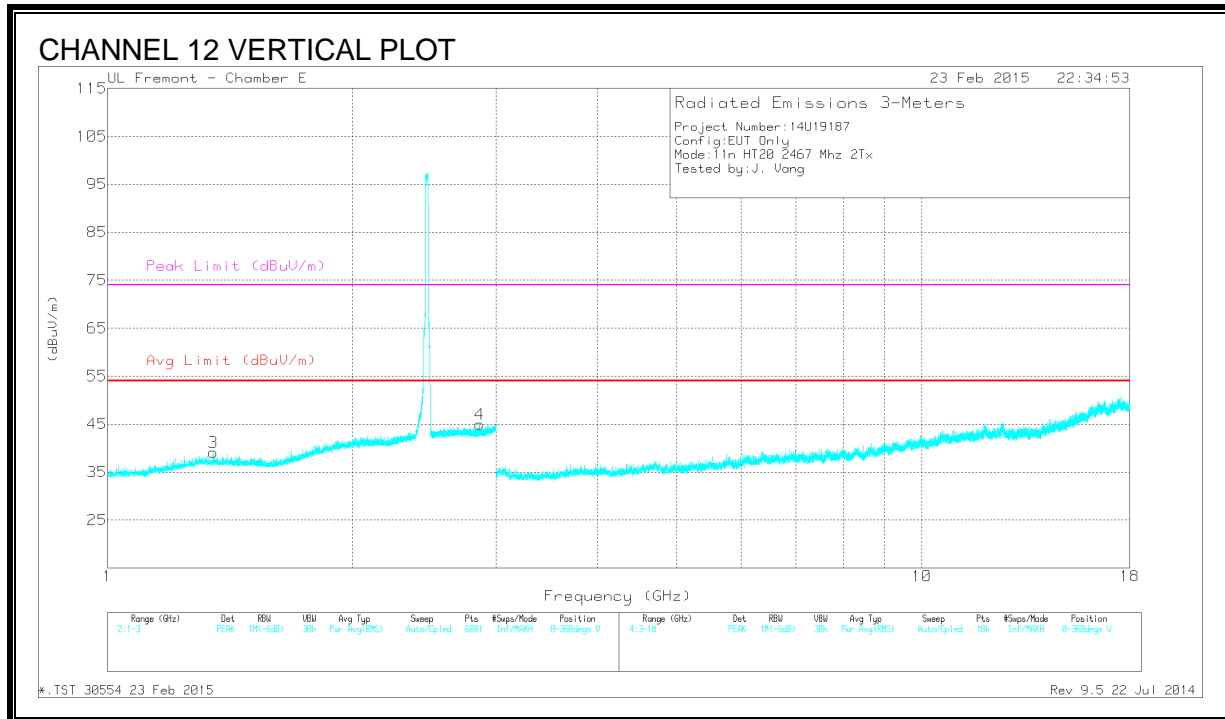
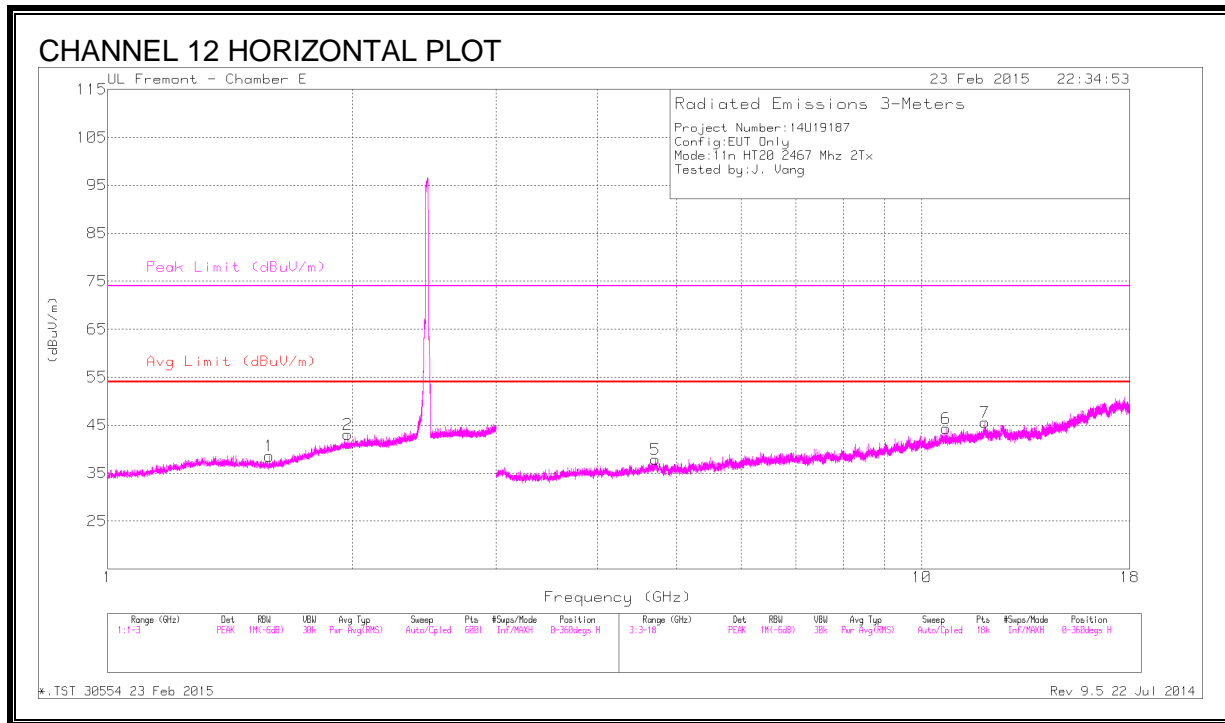
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.334	43.99	PK2	31.9	-24.8	51.09	-	-	74	-22.91	121	200	H
	* 2.333	31.92	MAv1	31.9	-24.8	39.02	54	-14.98	-	-	121	200	H
3	* 4.865	40.89	PK2	33.9	-31	43.79	-	-	74	-30.21	154	200	H
	* 4.864	30.12	MAv1	33.9	-31	33.02	54	-20.98	-	-	154	200	H
4	* 15.605	36.92	PK2	40.1	-22.4	54.62	-	-	74	-19.38	236	200	H
	* 15.602	25.3	MAv1	40	-22.4	42.9	54	-11.1	-	-	236	200	H
5	* 11.941	36.54	PK2	38.1	-22.2	52.44	-	-	74	-21.56	216	200	V
	* 11.943	24.61	MAv1	38.1	-22.1	40.61	54	-13.39	-	-	216	200	V
6	* 12.528	36.56	PK2	38.6	-23.1	52.06	-	-	74	-21.94	204	200	V
	* 12.527	25.34	MAv1	38.6	-23.1	40.84	54	-13.16	-	-	204	200	V
2	2.954	43.43	PK2	32.4	-23.9	51.93	-	-	-	-	121	101	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 12 HARMONICS AND SPURIOUS EMISSIONS**





**DATA**

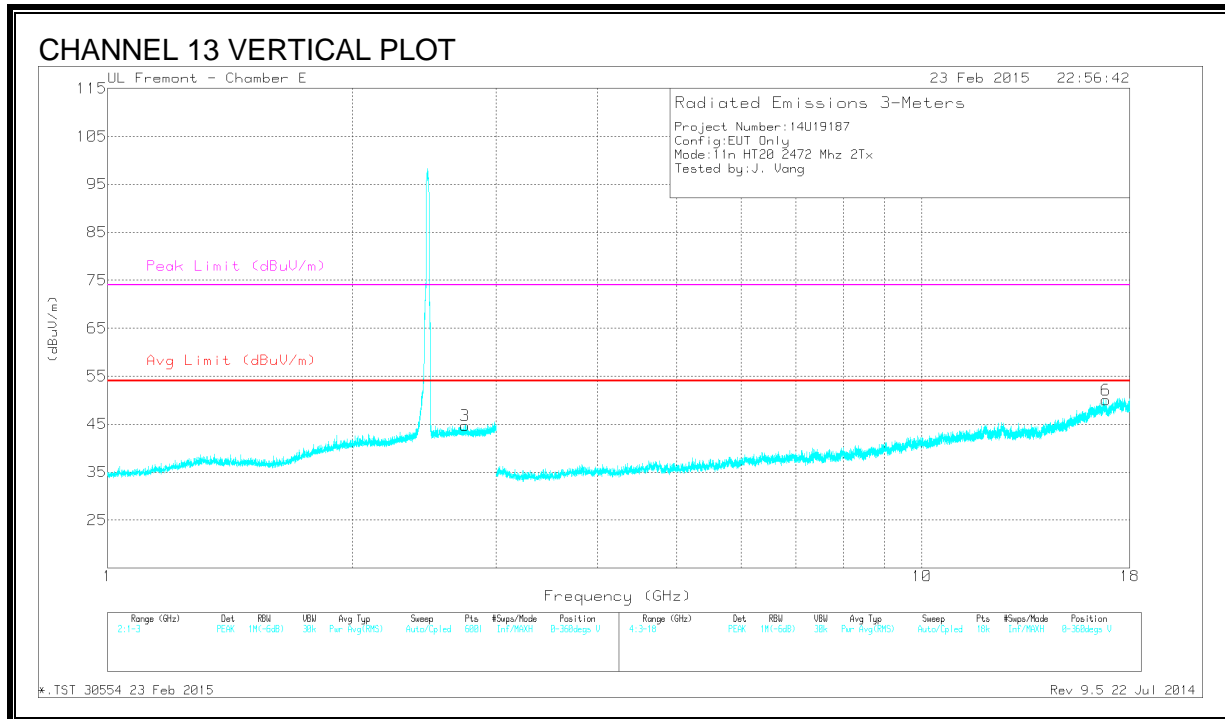
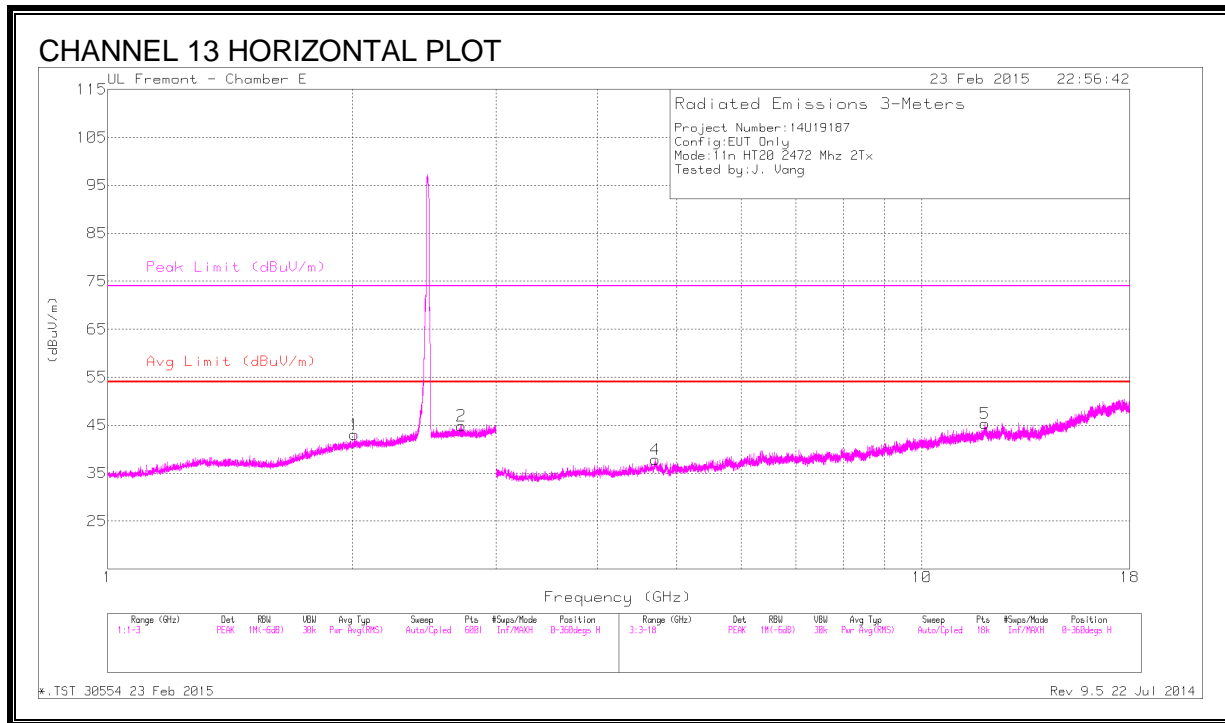
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.579	43.58	PK2	28	-26.4	45.18	-	-	74	-28.82	333	101	H
	* 1.578	32.49	MAv1	28	-26.4	34.09	54	-19.91	-	-	333	101	H
3	* 1.349	43.89	PK2	28.8	-26.6	46.09	-	-	74	-27.91	67	139	V
	* 1.346	32.68	MAv1	28.8	-26.7	34.78	54	-19.22	-	-	67	139	V
4	* 2.861	43.19	PK2	32.5	-24.2	51.49	-	-	74	-22.51	289	221	V
	* 2.863	32.18	MAv1	32.5	-24.2	40.48	54	-13.52	-	-	289	221	V
5	* 4.709	42.12	PK2	34.2	-30.5	45.82	-	-	74	-28.18	244	115	H
	* 4.71	31.21	MAv1	34.2	-30.6	34.81	54	-19.19	-	-	244	115	H
6	* 10.706	36.6	PK2	37.9	-23.6	50.9	-	-	74	-23.1	324	129	H
	* 10.705	25.6	MAv1	37.9	-23.6	39.9	54	-14.1	-	-	324	129	H
7	* 11.955	37.05	PK2	38.5	-22.3	53.25	-	-	74	-20.75	89	201	H
	* 11.959	25.5	MAv1	38.5	-22.4	41.6	54	-12.4	-	-	89	201	H
2	1.971	43.6	PK2	31.1	-25.2	49.5	-	-	-	-	311	111	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 13 HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.717	43.33	PK2	32.4	-23.9	51.83	-	-	74	-22.17	337	101	H
	* 2.717	32.04	MAv1	32.4	-23.9	40.54	54	-13.46	-	-	337	101	H
3	* 2.745	43.56	PK2	32.4	-23.8	52.16	-	-	74	-21.84	289	153	V
	* 2.749	32	MAv1	32.4	-23.8	40.6	54	-13.4	-	-	289	153	V
4	* 4.71	42.5	PK2	34.2	-30.6	46.1	-	-	74	-27.9	89	217	H
	* 4.709	31.34	MAv1	34.2	-30.5	35.04	54	-18.96	-	-	89	217	H
5	* 11.947	36.09	PK2	38.5	-22.2	52.39	-	-	74	-21.61	177	312	H
	* 11.946	25.24	MAv1	38.5	-22.2	41.54	54	-12.46	-	-	177	312	H
1	2.009	43.46	PK2	31.3	-25	49.76	-	-	-	-	318	181	H
6	16.84	35.55	PK2	41	-20.2	56.35	-	-	-	-	280	301	V

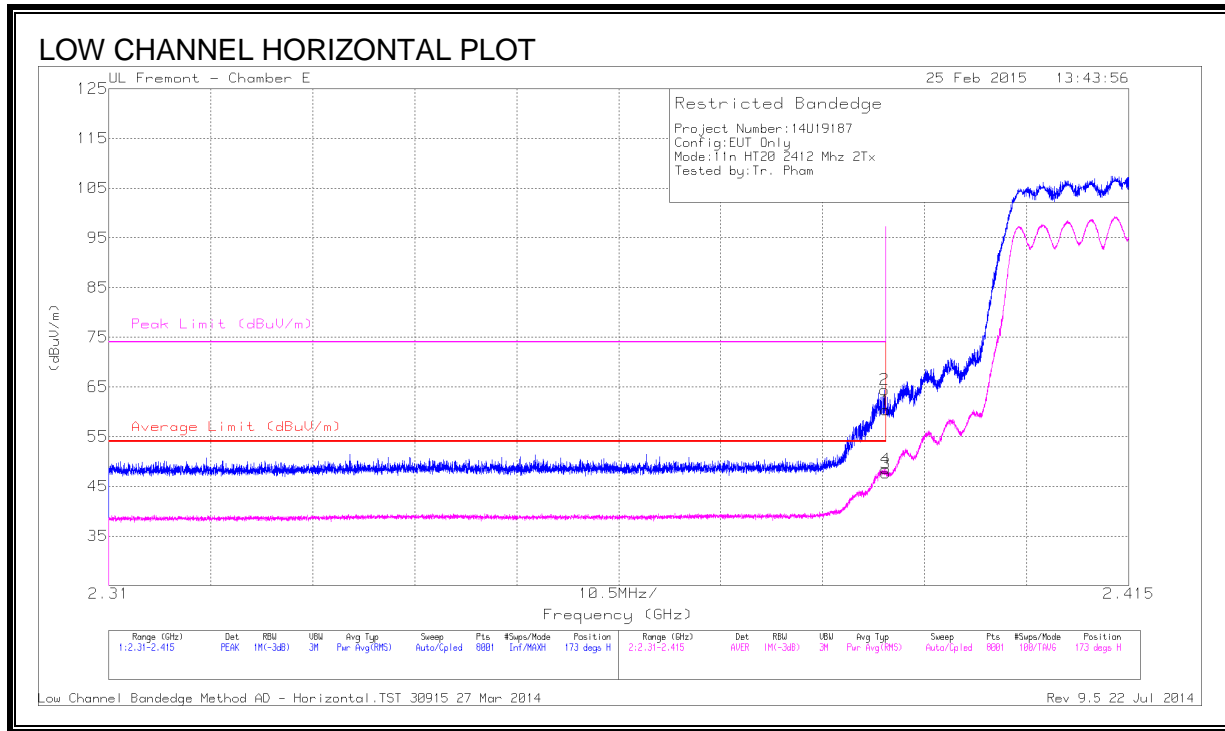
\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.9. 802.11n HT20 2Tx ANTENNA A & D MODE IN THE 2.4 GHz BAND

### RESTRICTED BANDEGE (LOW CHANNEL)



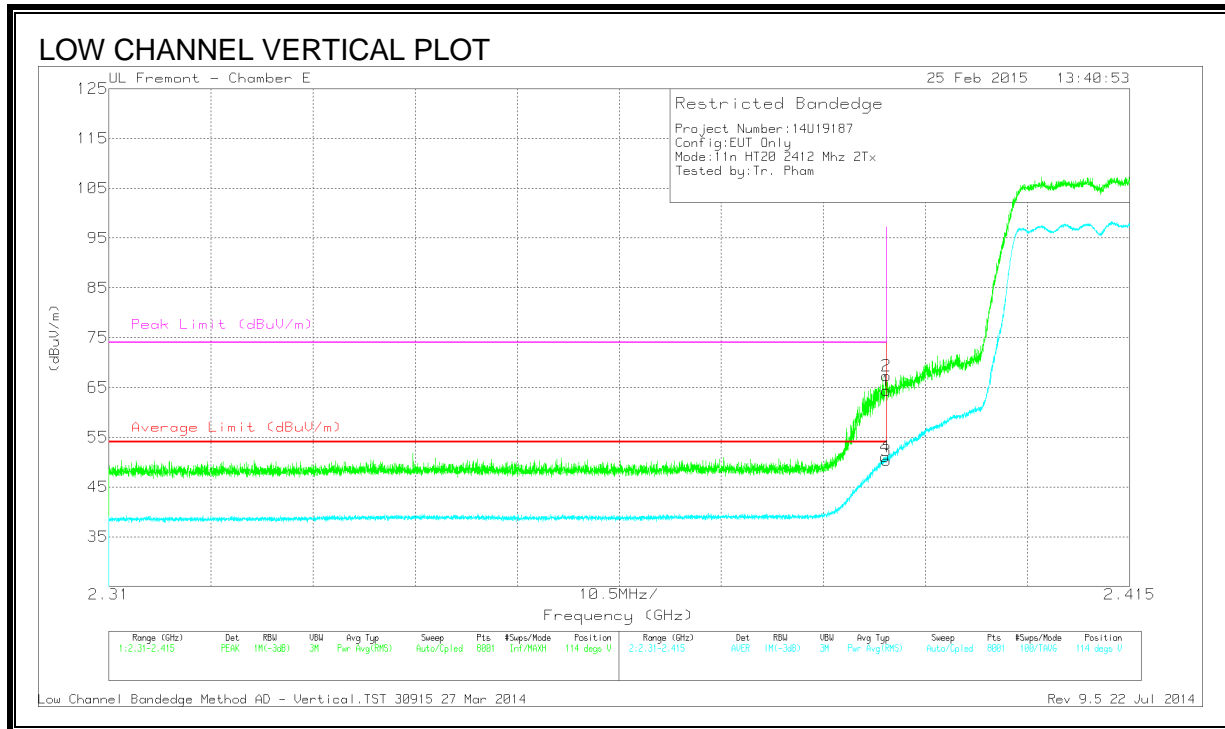
### DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.93	PK	32.1	-24.7	60.33	-	-	74	-13.67	173	280	H
2	* 2.39	57.03	PK	32.1	-24.7	64.43	-	-	74	-9.57	173	280	H
3	* 2.39	40.25	RMS	32.1	-24.7	47.65	54	-6.35	-	-	173	280	H
4	* 2.39	41.09	RMS	32.1	-24.7	48.49	54	-5.51	-	-	173	280	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection



**DATA**

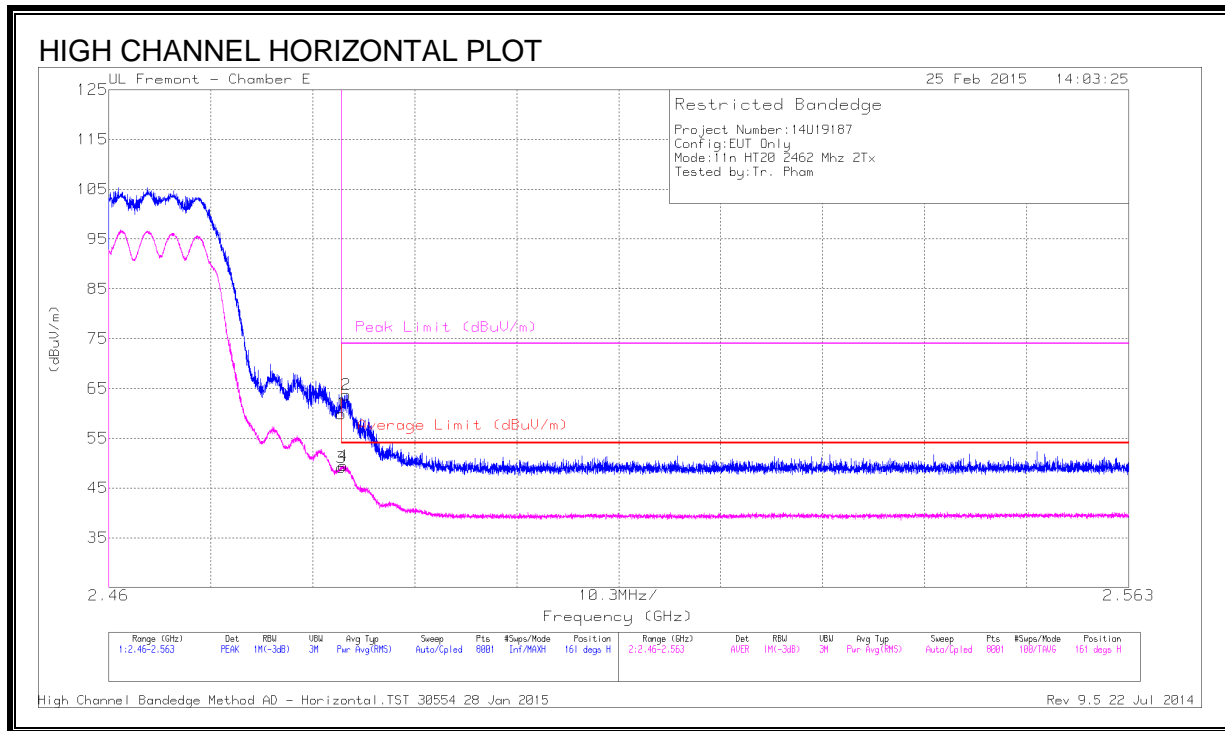
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.97	PK	32.1	-24.7	64.37	-	-	74	-9.63	114	274	V
2	* 2.39	59.96	PK	32.1	-24.7	67.36	-	-	74	-6.64	114	274	V
3	* 2.39	42.91	RMS	32.1	-24.7	50.31	54	-3.69	-	-	114	274	V
4	* 2.39	43.69	RMS	32.1	-24.7	51.09	54	-2.91	-	-	114	274	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**



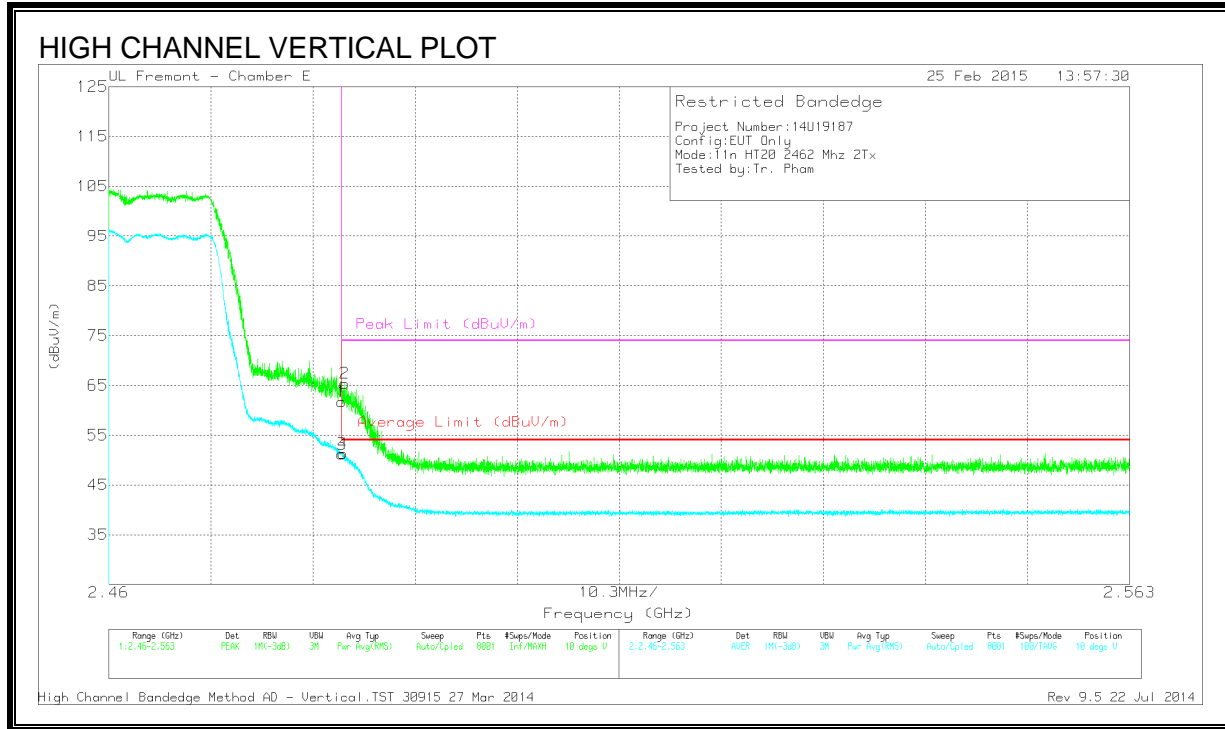
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.98	PK	32.2	-24.3	59.88	-	-	74	-14.12	161	257	H
2	* 2.484	55.83	PK	32.2	-24.3	63.73	-	-	74	-10.27	161	257	H
3	* 2.484	41.19	RMS	32.2	-24.3	49.09	54	-4.91	-	-	161	257	H
4	* 2.484	41.55	RMS	32.2	-24.3	49.45	54	-4.55	-	-	161	257	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection



**DATA**

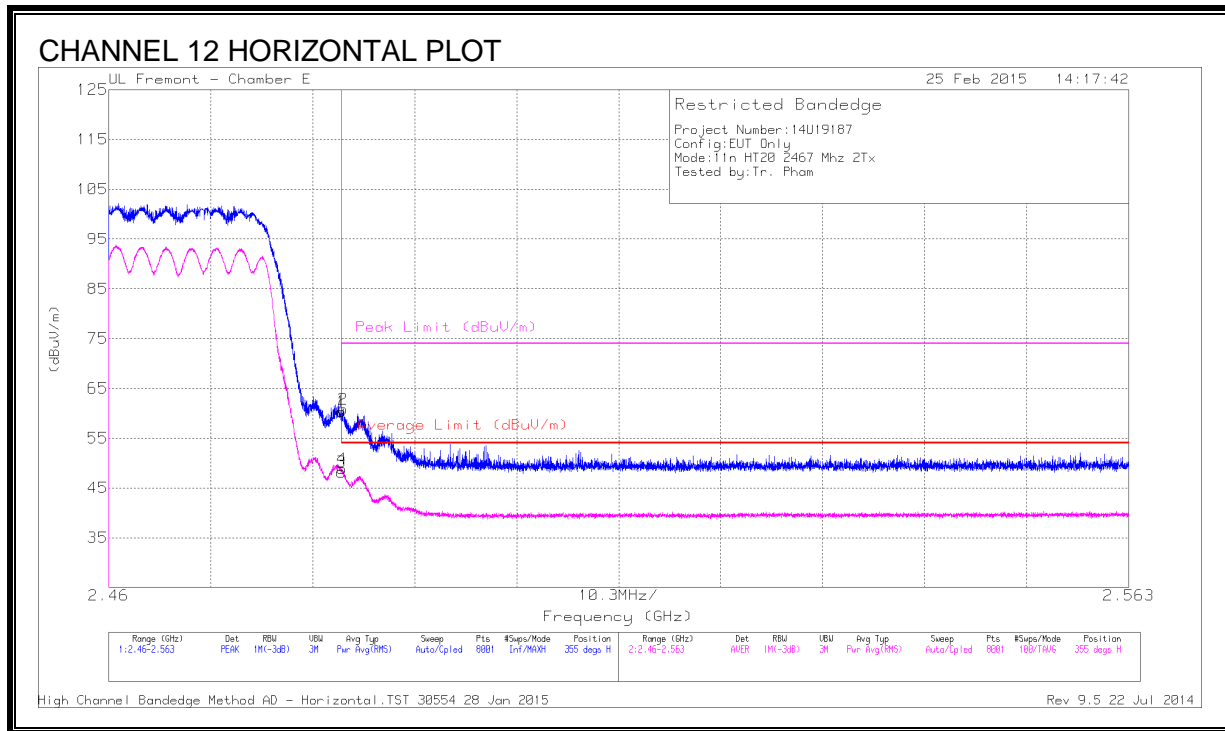
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.85	PK	32.2	-24.3	61.75	-	-	74	-12.25	10	330	V
2	* 2.484	57.51	PK	32.2	-24.3	65.41	-	-	74	-8.59	10	330	V
3	* 2.484	43.32	RMS	32.2	-24.3	51.22	54	-2.78	-	-	10	330	V
4	* 2.484	43.41	RMS	32.2	-24.3	51.31	54	-2.69	-	-	10	330	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 12)**



**DATA**

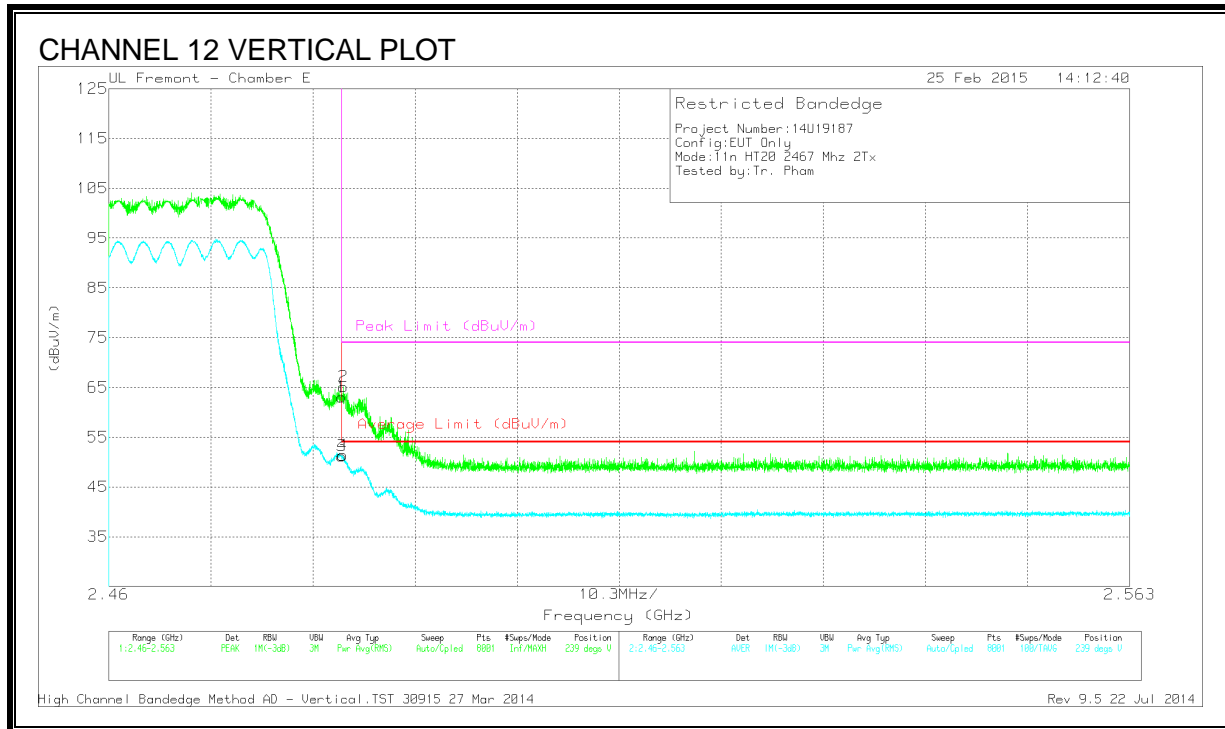
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.46	PK	32.2	-24.3	60.36	-	-	74	-13.64	355	326	H
2	* 2.484	52.91	PK	32.2	-24.3	60.81	-	-	74	-13.19	355	326	H
3	* 2.484	40.31	RMS	32.2	-24.3	48.21	54	-5.79	-	-	355	326	H
4	* 2.484	40.95	RMS	32.2	-24.3	48.85	54	-5.15	-	-	355	326	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection





**DATA**

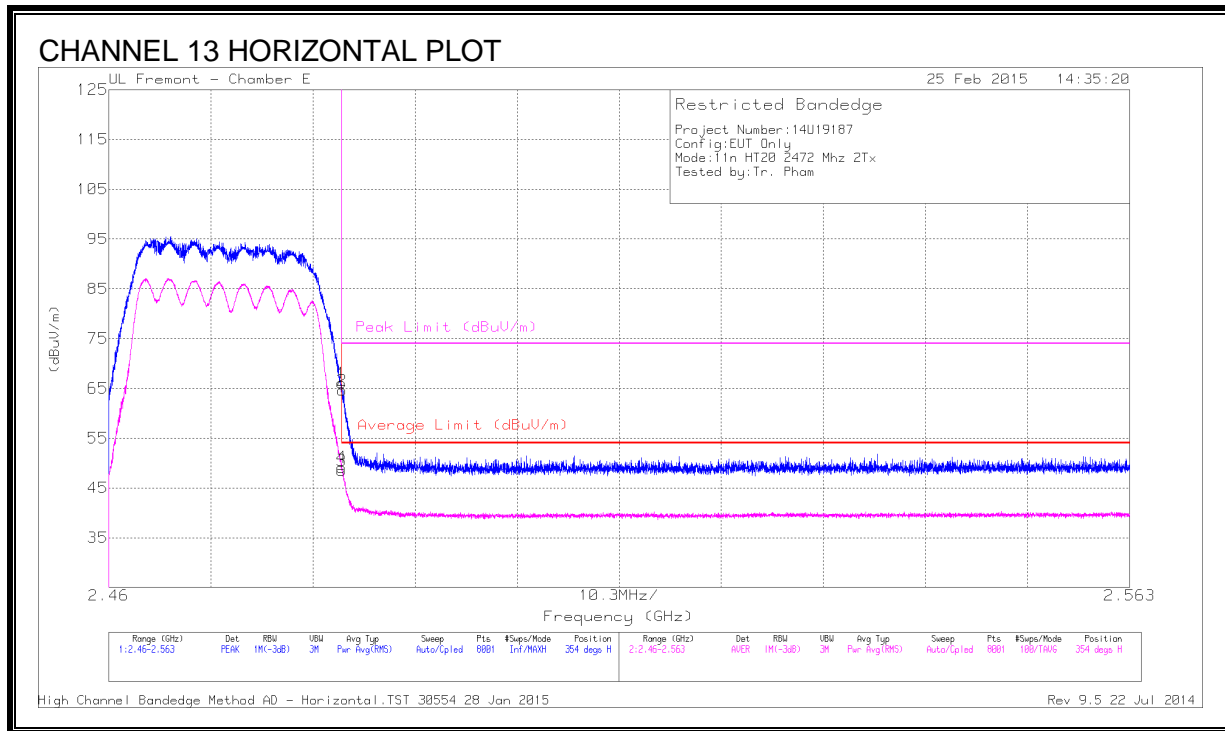
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.17	PK	32.2	-24.3	63.07	-	-	74	-10.93	239	320	V
2	* 2.484	57.27	PK	32.2	-24.3	65.17	-	-	74	-8.83	239	320	V
3	* 2.484	43.34	RMS	32.2	-24.3	51.24	54	-2.76	-	-	239	320	V
4	* 2.484	43.48	RMS	32.2	-24.3	51.38	54	-2.62	-	-	239	320	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 13)**



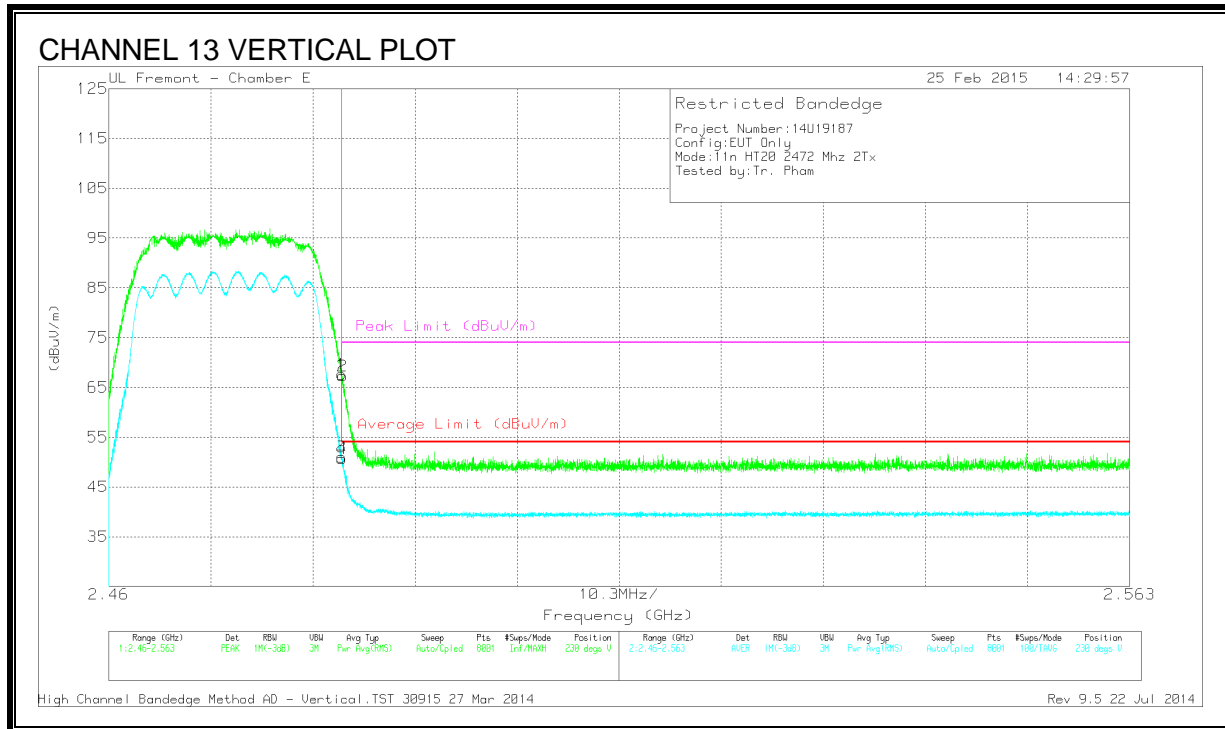
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	58.18	PK	32.2	-24.3	66.08	-	-	74	-7.92	354	258	H
2	* 2.484	56.71	PK	32.2	-24.3	64.61	-	-	74	-9.39	354	258	H
3	* 2.484	40.61	RMS	32.2	-24.3	48.51	54	-5.49	-	-	354	258	H
4	* 2.484	41.22	RMS	32.2	-24.3	49.12	54	-4.88	-	-	354	258	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection



**DATA**

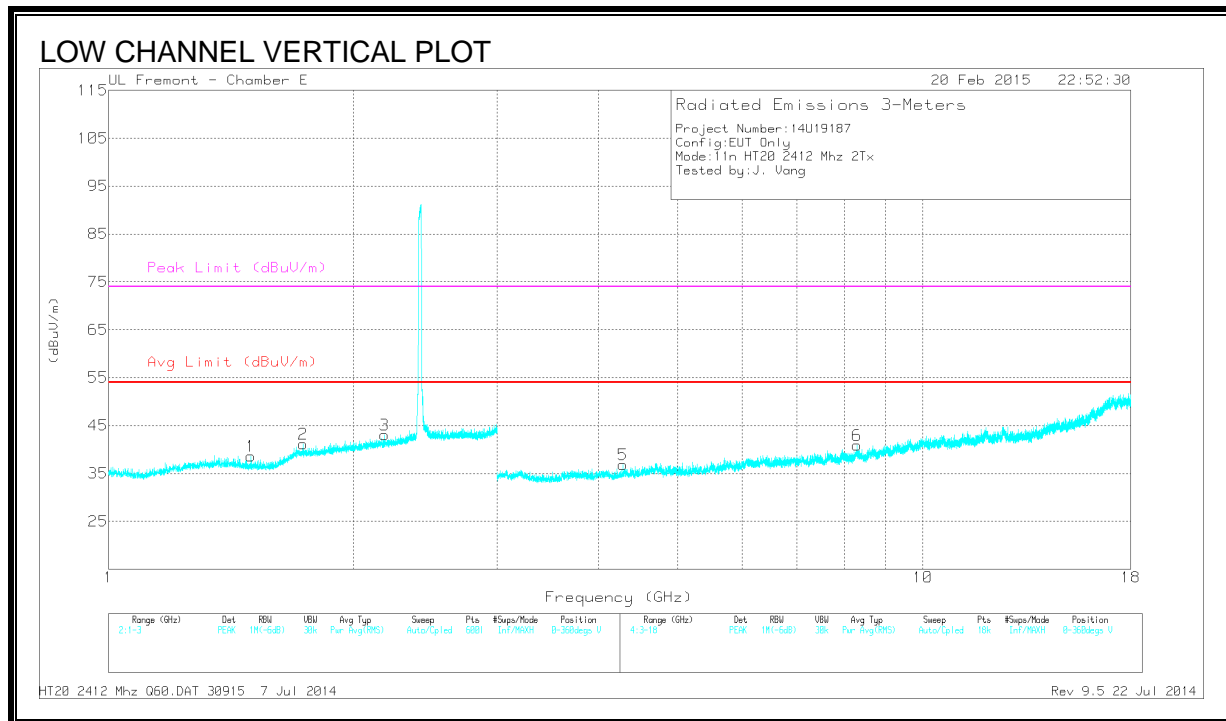
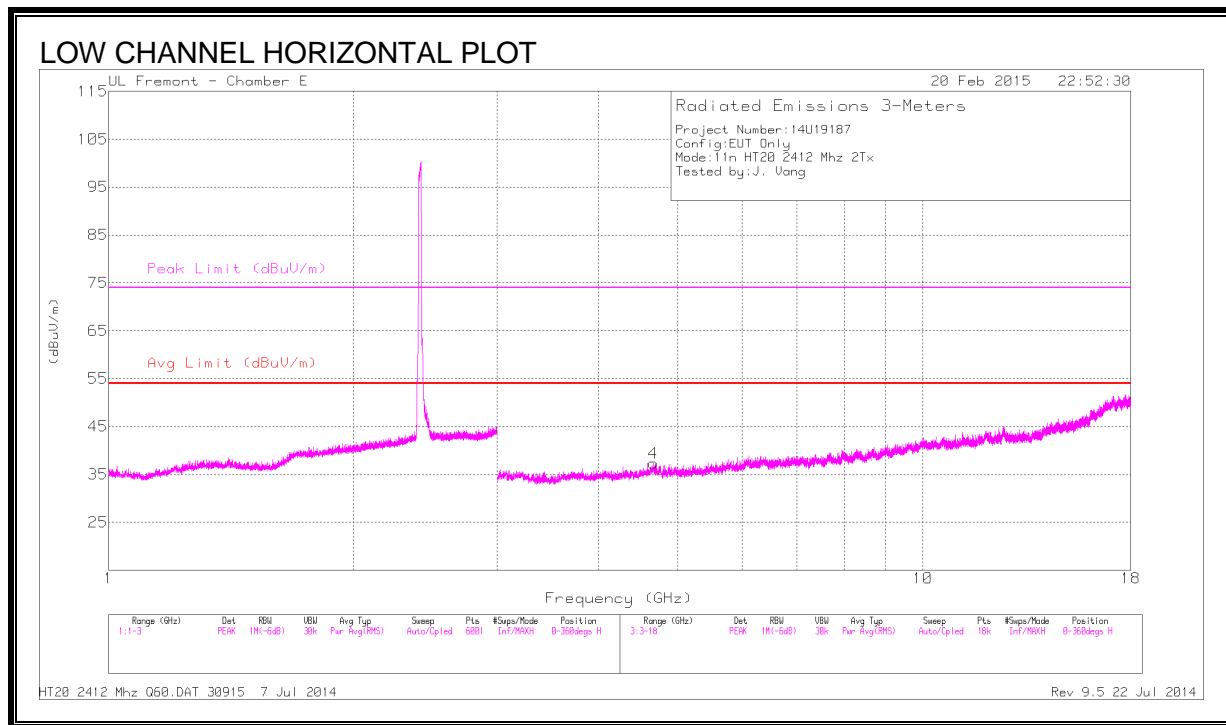
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	59.74	PK	32.2	-24.3	67.64	-	-	74	-6.36	230	319	V
2	* 2.484	59.4	PK	32.2	-24.3	67.3	-	-	74	-6.7	230	319	V
3	* 2.484	43.12	RMS	32.2	-24.3	51.02	54	-2.98	-	-	230	319	V
4	* 2.484	42.83	RMS	32.2	-24.3	50.73	54	-3.27	-	-	230	319	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection

**LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

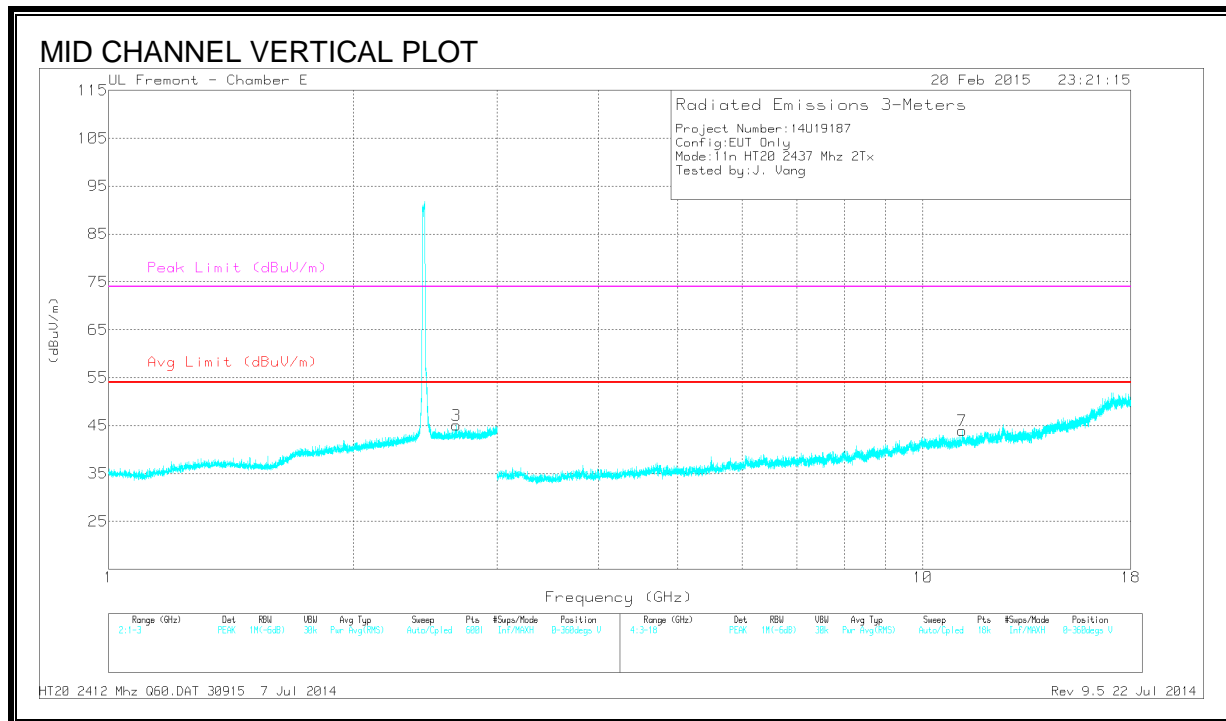
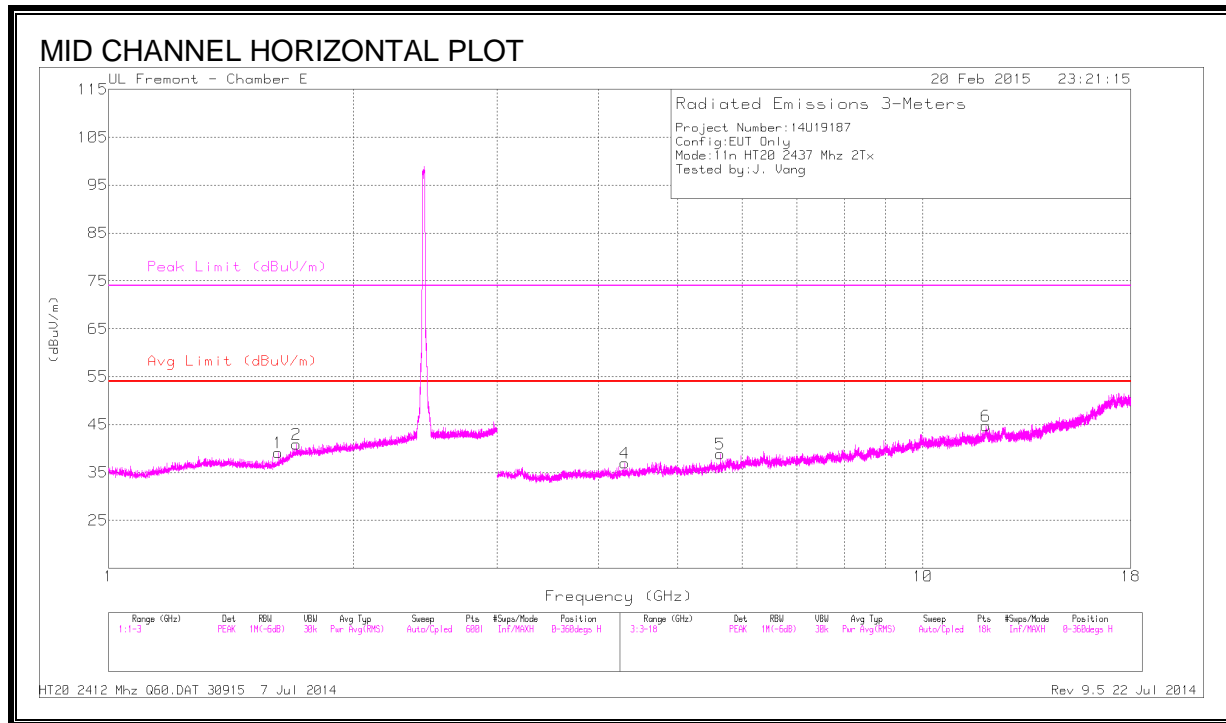
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.497	44.31	PK2	27.7	-26.2	45.81	-	-	74	-28.19	119	200	V
	* 1.495	32	MAv1	27.7	-26.2	33.5	54	-20.5	-	-	119	200	V
4	* 4.668	40.03	PK2	33.9	-30	43.93	-	-	74	-30.07	143	200	H
	* 4.668	28.96	MAv1	33.9	-30	32.86	54	-21.14	-	-	143	200	H
5	* 4.282	40.99	PK2	33.4	-30.9	43.49	-	-	74	-30.51	346	101	V
	* 4.282	29.82	MAv1	33.4	-31	32.22	54	-21.78	-	-	346	101	V
6	* 8.302	37.99	PK2	35.8	-26.2	47.59	-	-	74	-26.41	100	200	V
	* 8.301	26.54	MAv1	35.8	-26.1	36.24	54	-17.76	-	-	100	200	V
2	1.732	44.04	PK2	30.2	-26.1	48.14	-	-	-	-	119	101	V
3	2.182	43.4	PK2	31.3	-25.1	49.6	-	-	-	-	119	101	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

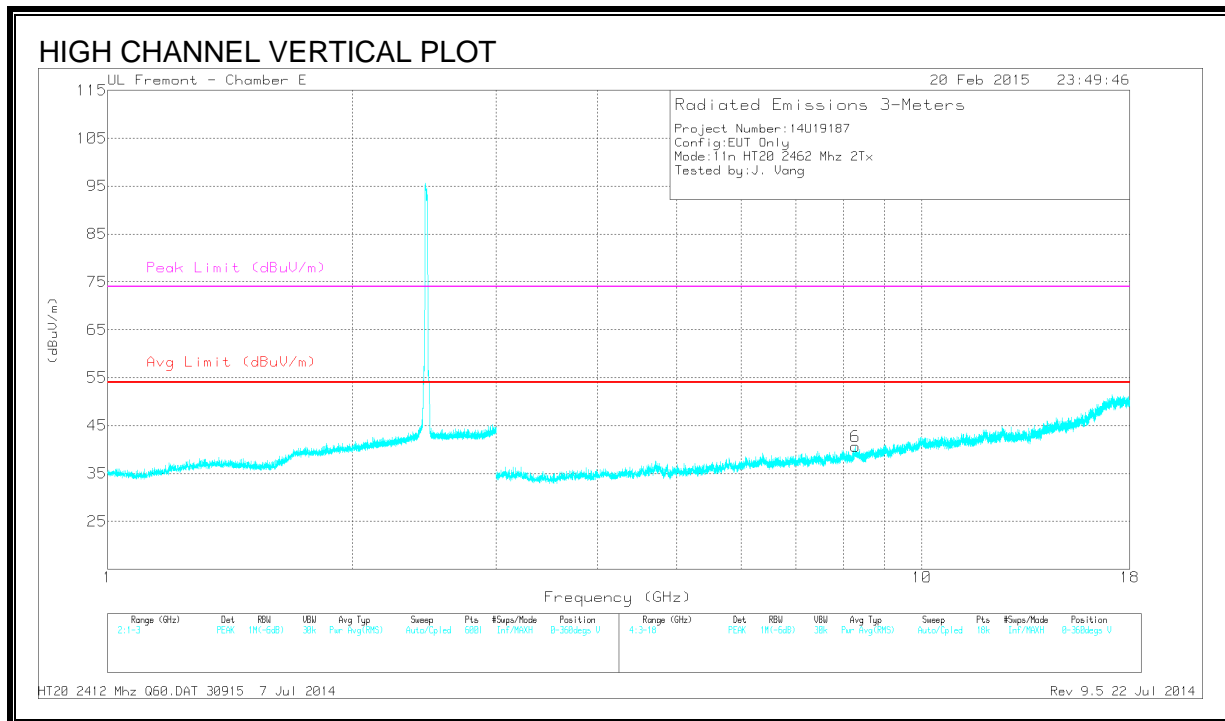
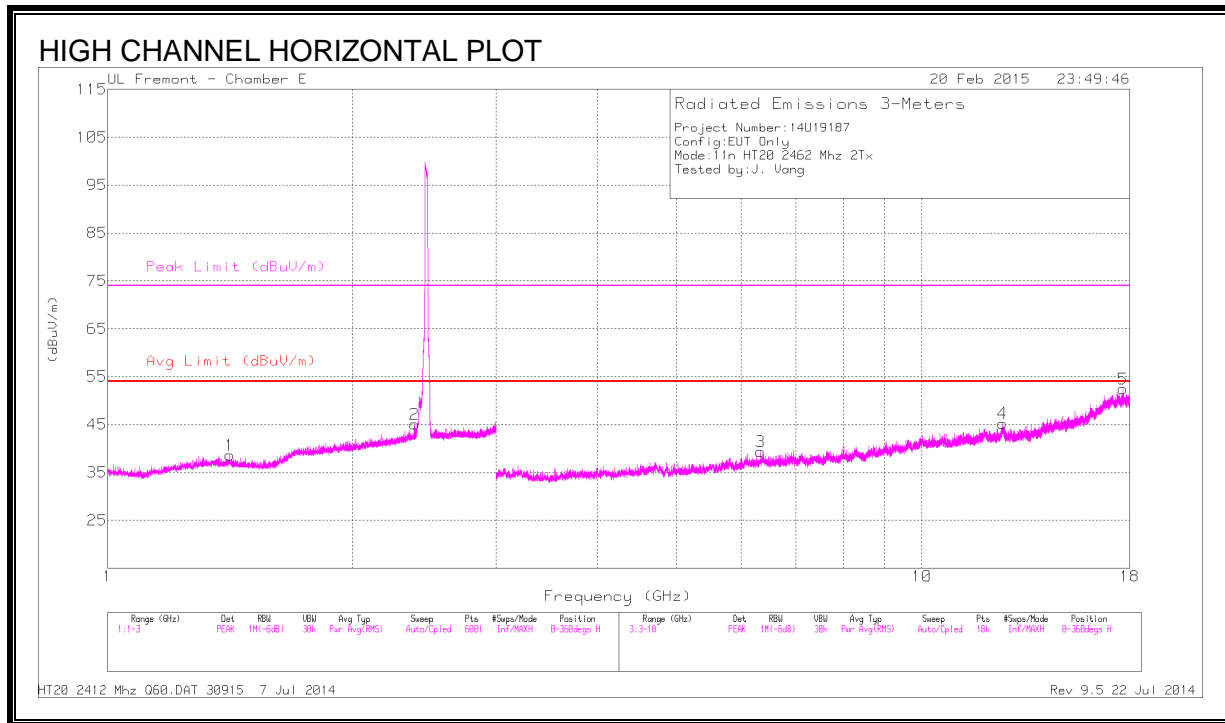
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.616	43.65	PK2	28.1	-26.4	45.35	-	-	74	-28.65	127	200	H
	* 1.614	32.05	MAv1	28.1	-26.4	33.75	54	-20.25	-	-	127	200	H
2	* 1.7	44.2	PK2	30.2	-26.3	48.1	-	-	74	-25.9	127	102	H
	* 1.701	32.59	MAv1	30.2	-26.3	36.49	54	-17.51	-	-	127	102	H
3	* 2.675	43.23	PK2	32	-23.9	51.33	-	-	74	-22.67	49	102	V
	* 2.674	31.57	MAv1	32	-23.9	39.67	54	-14.33	-	-	49	102	V
4	* 4.301	40.91	PK2	33.4	-30.6	43.71	-	-	74	-30.29	164	102	H
	* 4.302	29.39	MAv1	33.4	-30.6	32.19	54	-21.81	-	-	164	102	H
6	* 11.958	36.34	PK2	38.1	-22.4	52.04	-	-	74	-21.96	2	200	H
	* 11.957	24.76	MAv1	38.1	-22.4	40.46	54	-13.54	-	-	2	200	H
7	* 11.186	36.51	PK2	37.4	-23	50.91	-	-	74	-23.09	183	200	V
	* 11.183	25.13	MAv1	37.4	-23	39.53	54	-14.47	-	-	183	200	V
5	5.641	40.1	PK2	34.4	-29.7	44.8	-	-	-	-	164	102	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS**





**DATA**

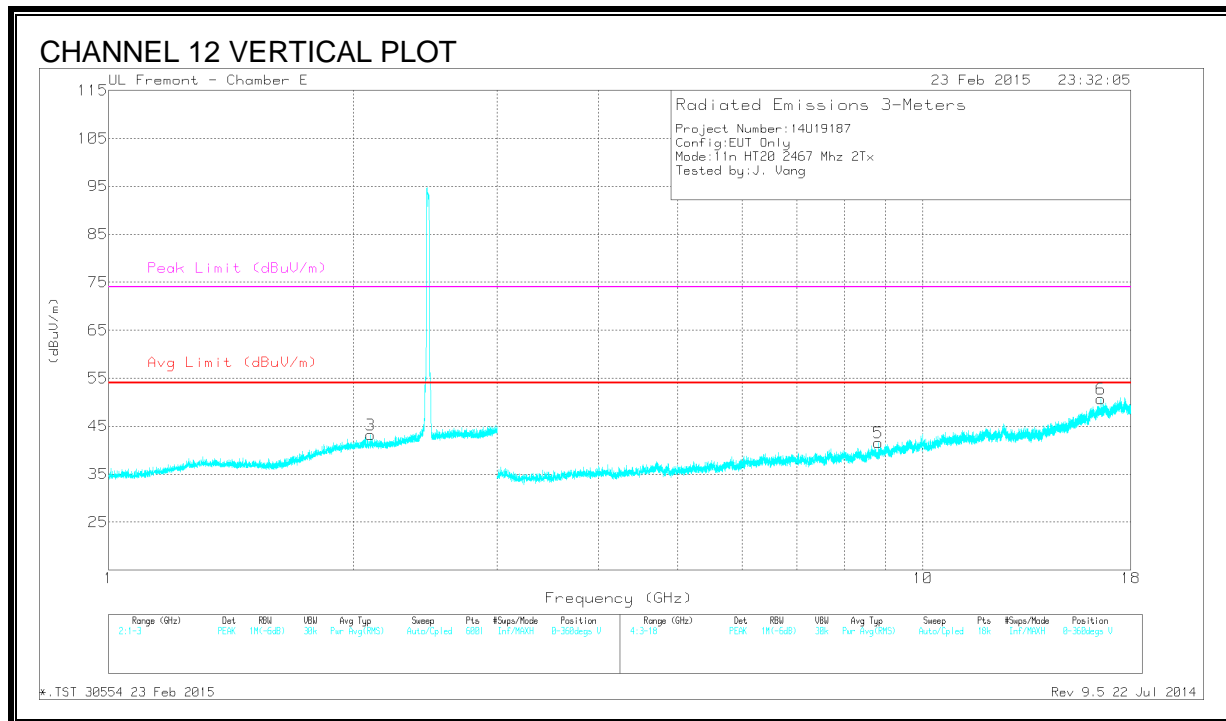
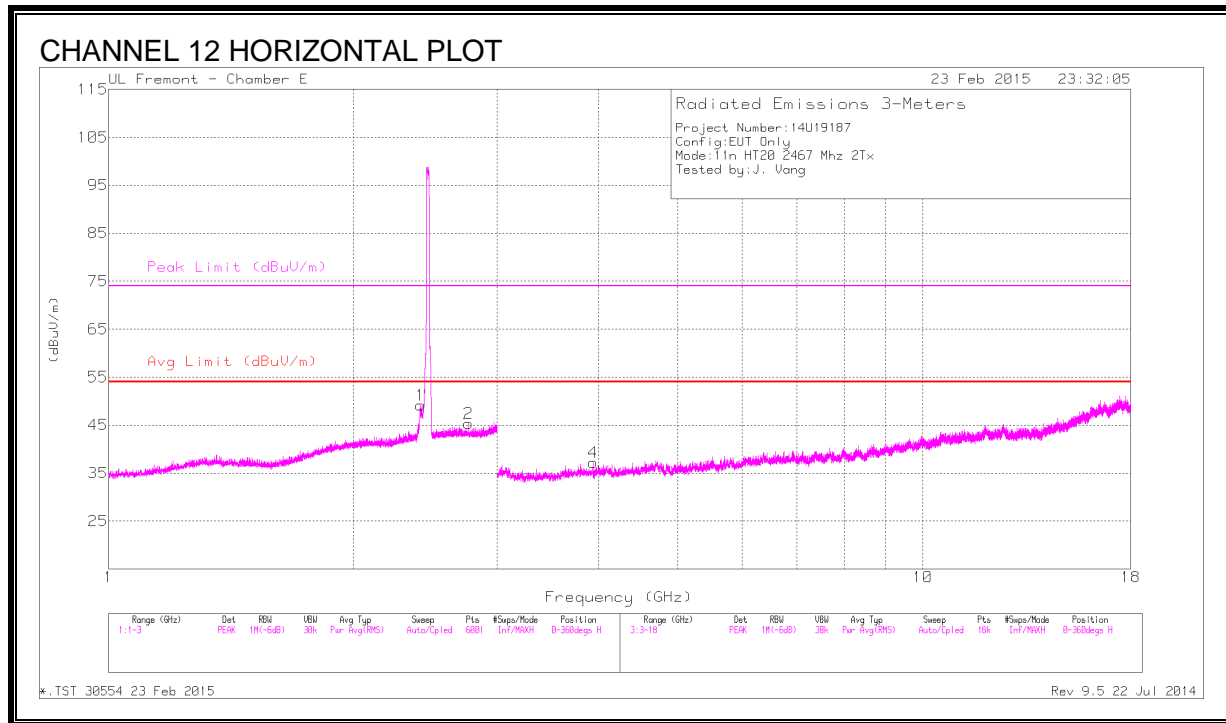
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.414	43.75	PK2	28.3	-26.4	45.65	-	-	74	-28.35	66	200	H
	* 1.411	32.11	MAv1	28.3	-26.4	34.01	54	-19.99	-	-	66	200	H
2	* 2.381	43.56	PK2	32.1	-24.6	51.06	-	-	74	-22.94	66	200	H
	* 2.385	32.27	MAv1	32.1	-24.6	39.77	54	-14.23	-	-	66	200	H
4	* 12.554	36.56	PK2	38.7	-23.1	52.16	-	-	74	-21.84	312	200	H
	* 12.554	25.43	MAv1	38.7	-23.1	41.03	54	-12.97	-	-	312	200	H
6	* 8.281	37.77	PK2	35.8	-26.1	47.47	-	-	74	-26.53	87	102	V
	* 8.282	26.64	MAv1	35.8	-26.1	36.34	54	-17.66	-	-	87	102	V
3	6.339	39.34	PK2	35.3	-28.1	46.54	-	-	-	-	66	102	H
5	17.652	34.67	PK2	42.5	-19.3	57.87	-	-	-	-	66	200	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 12 HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

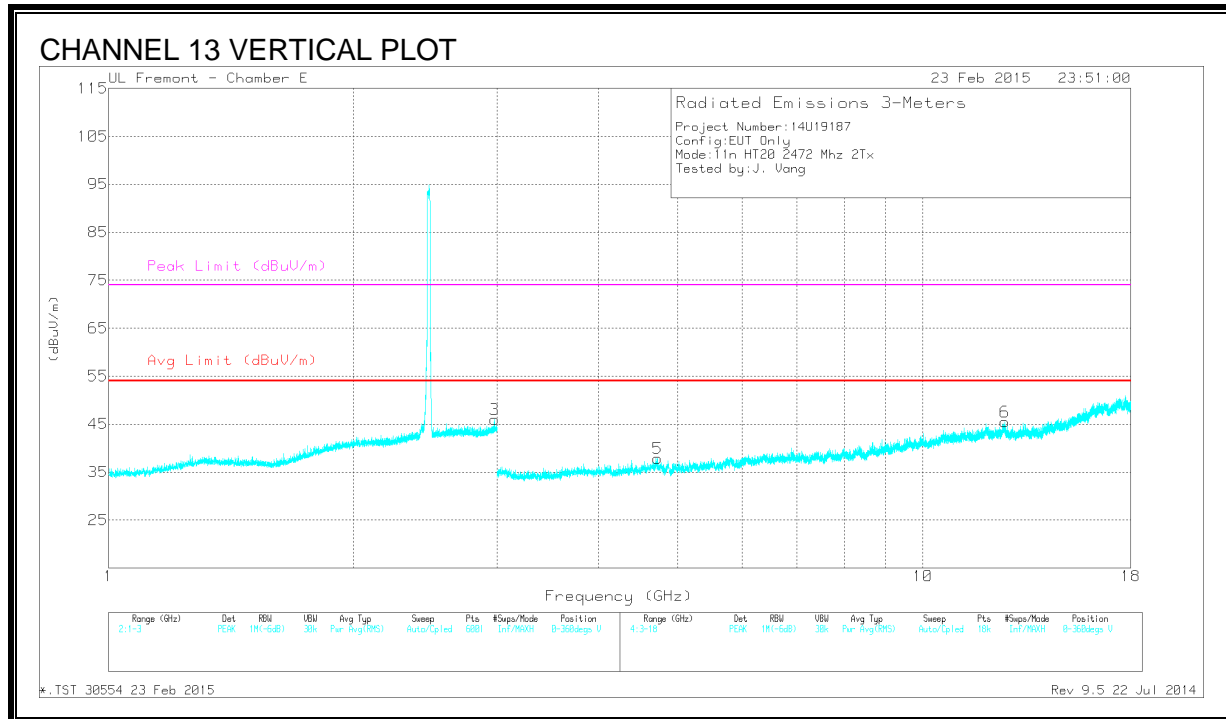
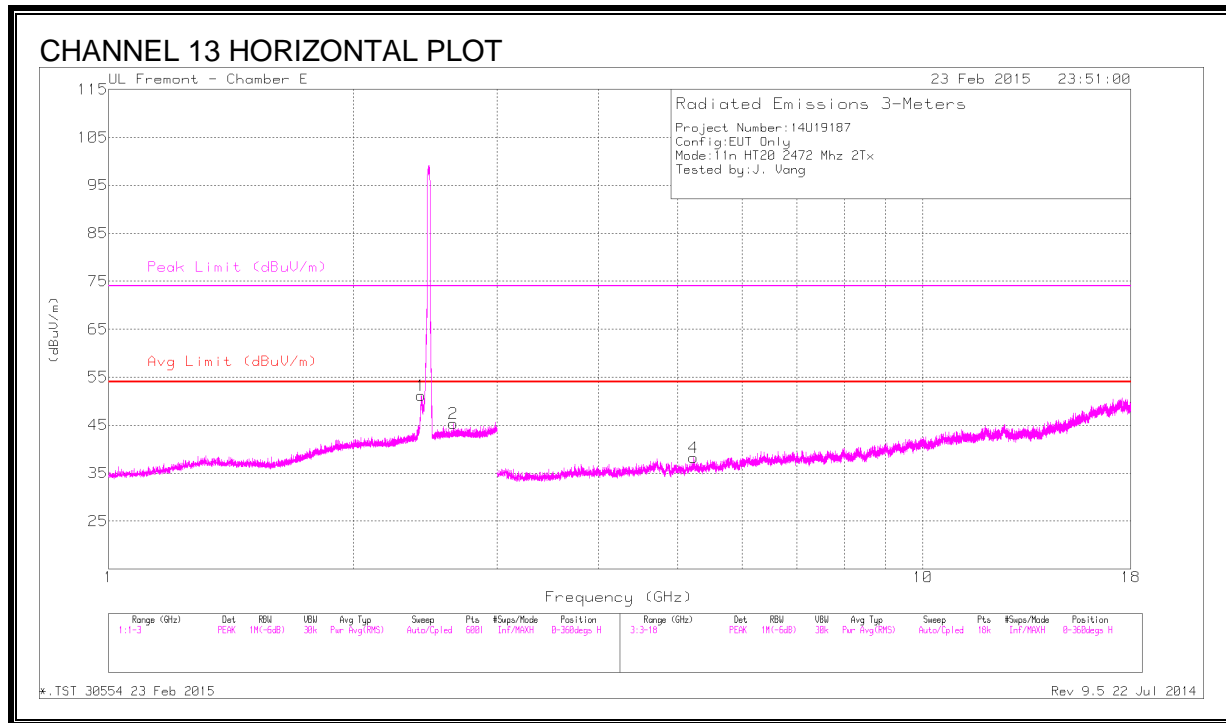
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.769	43.77	PK2	32.4	-24	52.17	-	-	74	-21.83	287	273	H
	* 2.765	32.04	MAv1	32.4	-24	40.44	54	-13.56	-	-	287	273	H
4	* 3.933	41.98	PK2	33.5	-31.4	44.08	-	-	74	-29.92	97	165	H
	* 3.932	30.65	MAv1	33.5	-31.4	32.75	54	-21.25	-	-	97	165	H
3	2.099	43.38	PK2	31.3	-24.9	49.78	-	-	-	-	103	115	V
1	2.415	51.37	PK2	32.1	-24.6	58.87	-	-	-	-	324	312	H
5	8.825	38.8	PK2	36.1	-27	47.9	-	-	-	-	263	288	V
6	16.553	35.59	PK2	41.2	-20.3	56.49	-	-	-	-	98	173	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**CHANNEL 13 HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 4.717	42.23	PK2	34.2	-30.7	45.73	-	-	74	-28.27	259	219	V
	* 4.72	31.08	MAv1	34.2	-30.7	34.58	54	-19.42	-	-	259	219	V
6	* 12.6	38.44	PK2	39	-23.7	53.74	-	-	74	-20.26	168	223	V
	* 12.603	26.62	MAv1	39	-23.7	41.92	54	-12.08	-	-	168	223	V
1	2.42	53.77	PK2	32.1	-24.6	61.27	-	-	-	-	65	230	H
2	2.649	42.79	PK2	32.4	-24	51.19	-	-	-	-	342	189	H
3	2.979	43.8	PK2	32.9	-23.7	53	-	-	-	-	281	192	V
4	5.231	41.11	PK2	34.4	-30.5	45.01	-	-	-	-	169	319	H

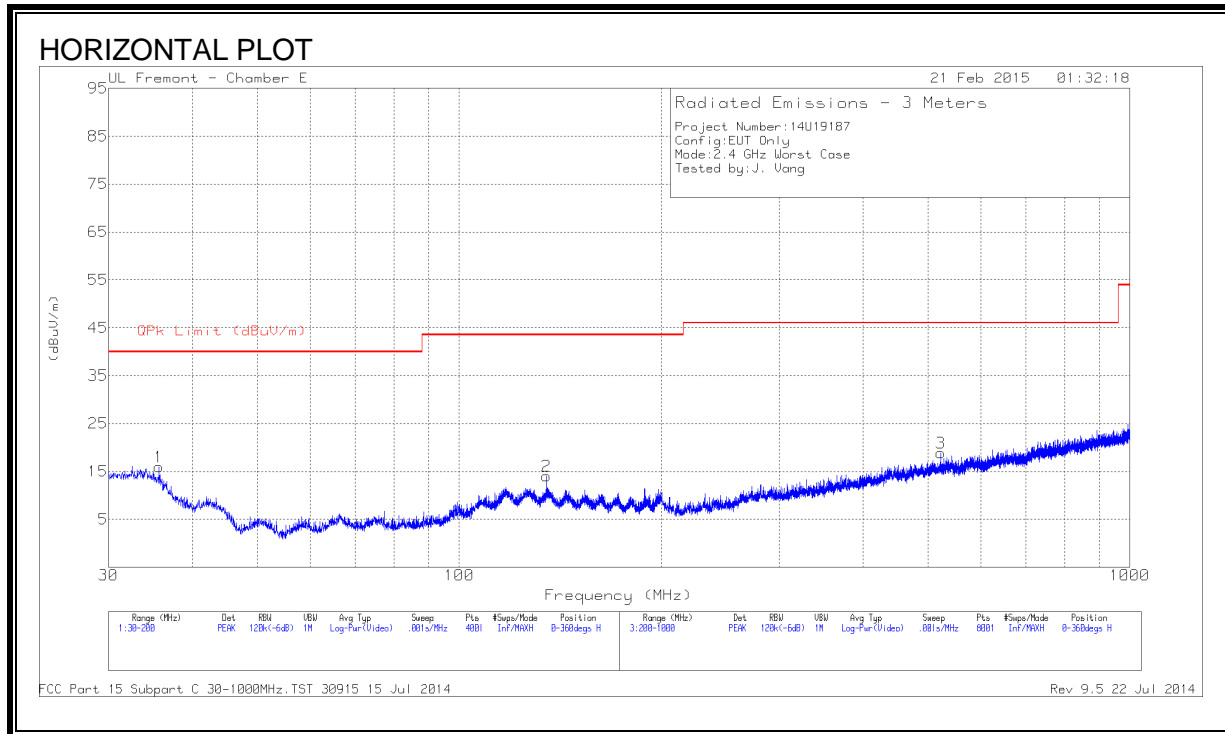
\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

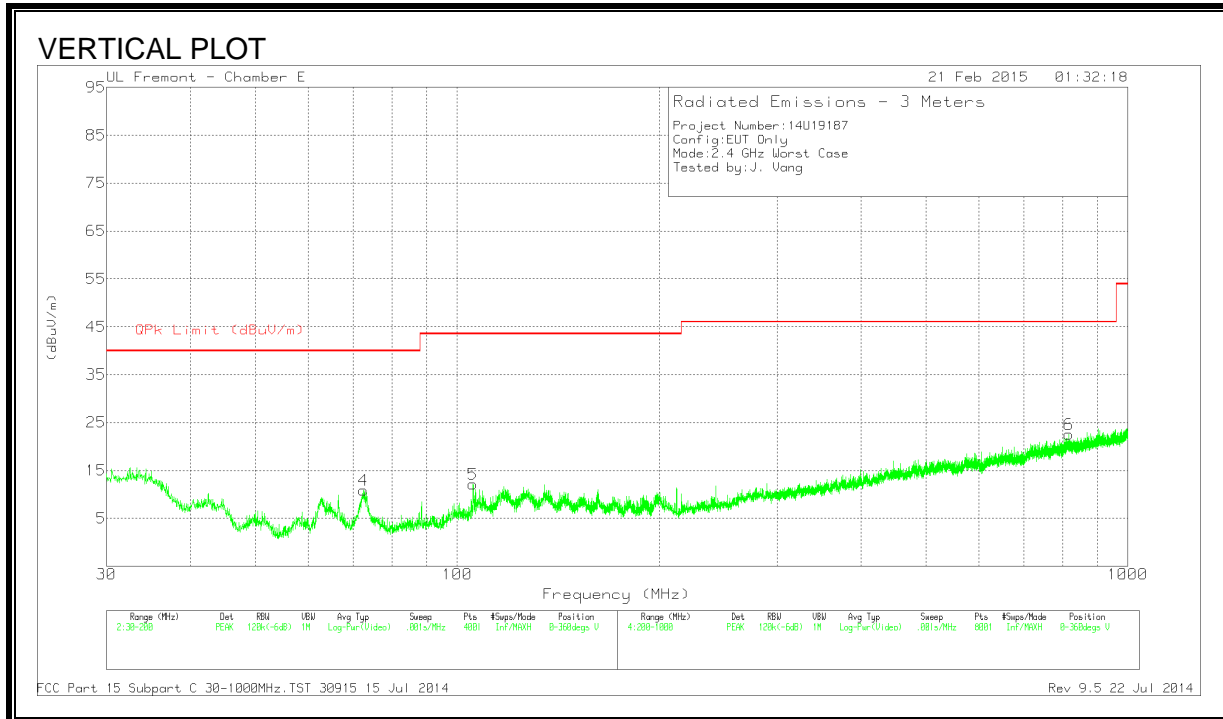
MAv1 - KDB558074 Option 1 Maximum RMS Average

### 9.10. WORST-CASE BELOW 1 GHz

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



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



**WORST CASE DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 135.0175	31.87	PK	13.3	-31.1	14.07	43.52	-29.45	0-360	99	H
1	35.695	30.45	PK	17.2	-31.7	15.95	40	-24.05	0-360	99	H
4	72.5425	33.95	PK	8.5	-31.6	10.85	40	-29.15	0-360	100	V
5	105.6075	31.98	PK	11.5	-31.3	12.18	43.52	-31.34	0-360	100	V
3	522.8	30.23	PK	18	-29.4	18.83	46.02	-27.19	0-360	201	H
6	816.7	29.91	PK	21.4	-28.7	22.61	46.02	-23.41	0-360	301	V

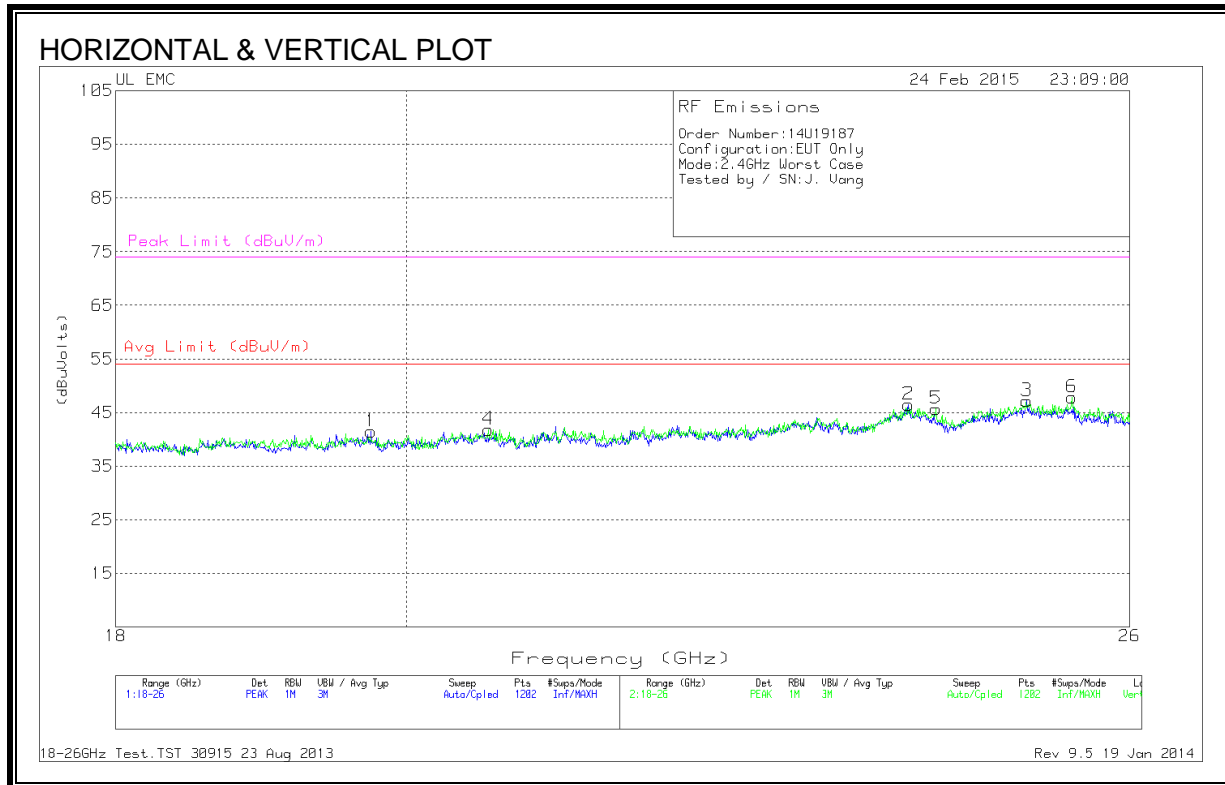
\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector



### 9.11. WORST-CASE ABOVE 18 GHz

#### SPURIOUS EMISSIONS 18000 TO 26000 MHz (WORST-CASE CONFIGURATION.)



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	19.745	42.1	PK	33	-24.1	-9.5	41.5	54	-12.5	74	-32.5
2	23.995	44.5	PK	34.2	-22.7	-9.5	46.5	54	-7.5	74	-27.5
3	25.047	44.77	PK	34.5	-22.6	-9.5	47.1	54	-6.8	74	-26.8
4	20.604	42.23	PK	33	-23.9	-9.5	41.8	54	-12.1	74	-32.1
5	24.235	43.57	PK	34.3	-22.7	-9.5	45.6	54	-8.3	74	-28.3
6	25.46	45.23	PK	34.6	-22.5	-9.5	47.8	54	-6.16	74	-26.1

PK - Peak detector

## 10. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

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.

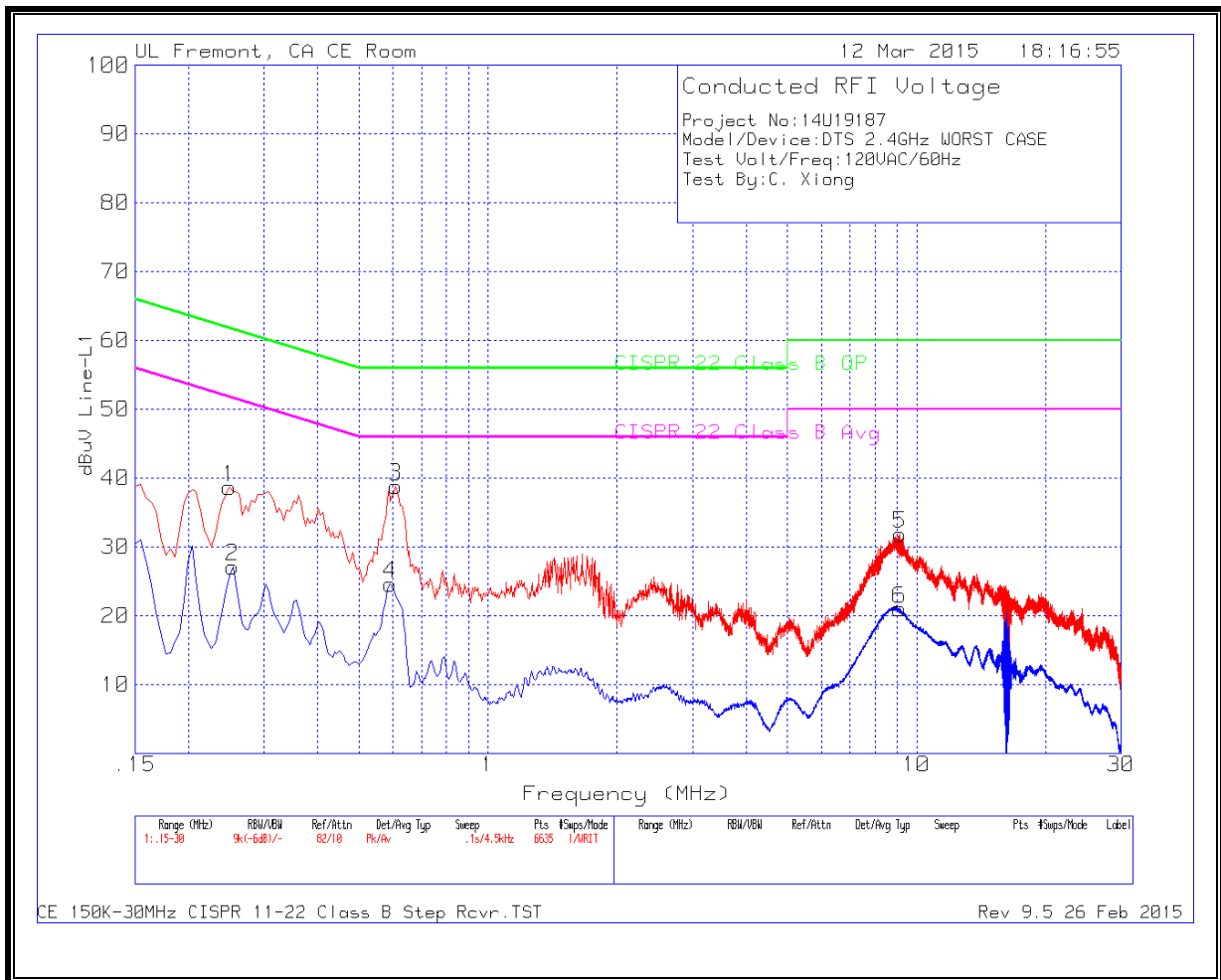
### TEST PROCEDURE

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.

**LINE 1 RESULTS**



**WORST EMISSIONS**

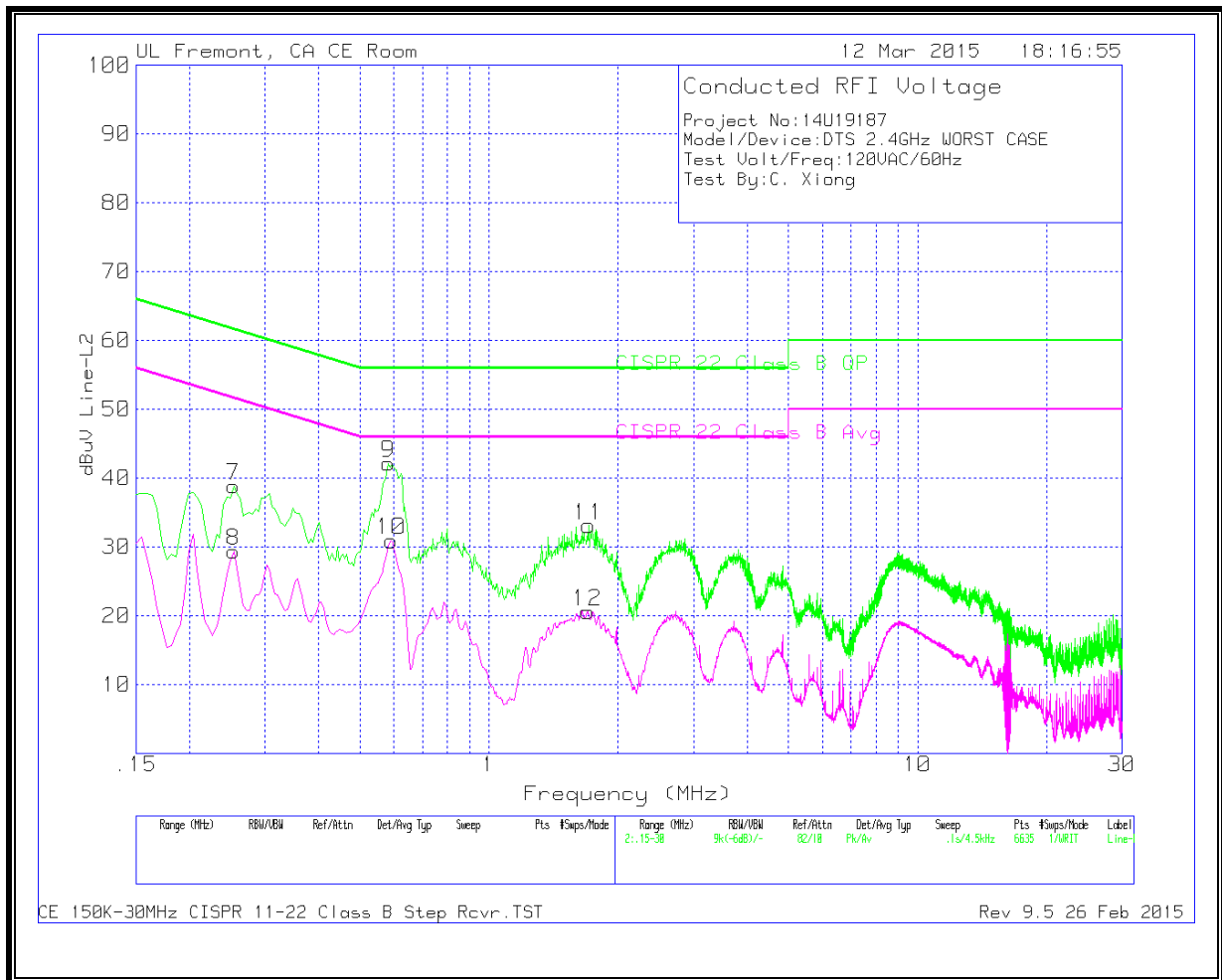
**Line-L1 .15 - 30MHz**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Corrected Reading dBuV	CISPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
1	.249	37.97	Pk	.7	0	38.67	61.79	-23.12	51.79	-13.12
2	.2535	26.41	Av	.7	0	27.11	61.64	-34.53	51.64	-24.53
3	.609	38.51	Pk	.3	0	38.81	56	-17.19	46	-7.19
4	.591	24.32	Av	.3	0	24.62	56	-31.38	46	-21.38
5	9.1545	31.46	Pk	.2	.2	31.86	60	-28.14	50	-18.14
6	9.132	20.62	Av	.2	.2	21.02	60	-38.98	50	-28.98

Pk - Peak detector

Av - Average detection

**LINE 2 RESULTS**



**WORST EMISSIONS**

**Line-L2 .15 - 30MHz**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Corrected Reading dBuV	CISPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
7	.2535	38.17	Pk	.7	0	38.87	61.64	-22.77	51.64	-12.77
8	.2535	28.69	Av	.7	0	29.39	61.64	-32.25	51.64	-22.25
9	.582	41.84	Pk	.3	0	42.14	56	-13.86	46	-3.86
10	.591	30.63	Av	.3	0	30.93	56	-25.07	46	-15.07
11	1.707	32.82	Pk	.2	.1	33.12	56	-22.88	46	-12.88
12	1.698	20.31	Av	.2	.1	20.61	56	-35.39	46	-25.39

Pk - Peak detector

Av - Average detection