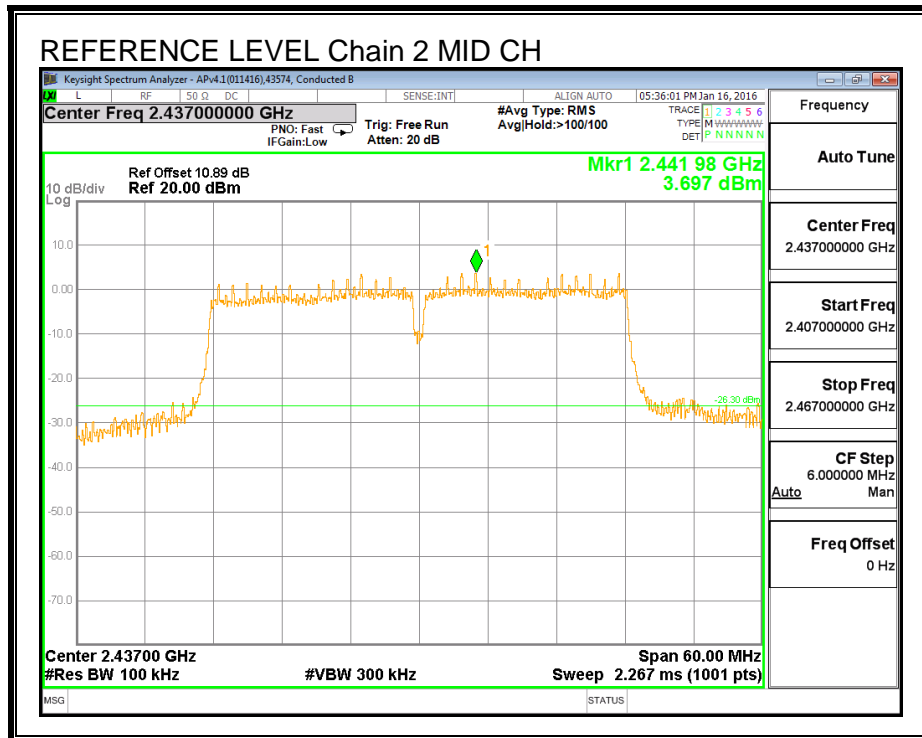
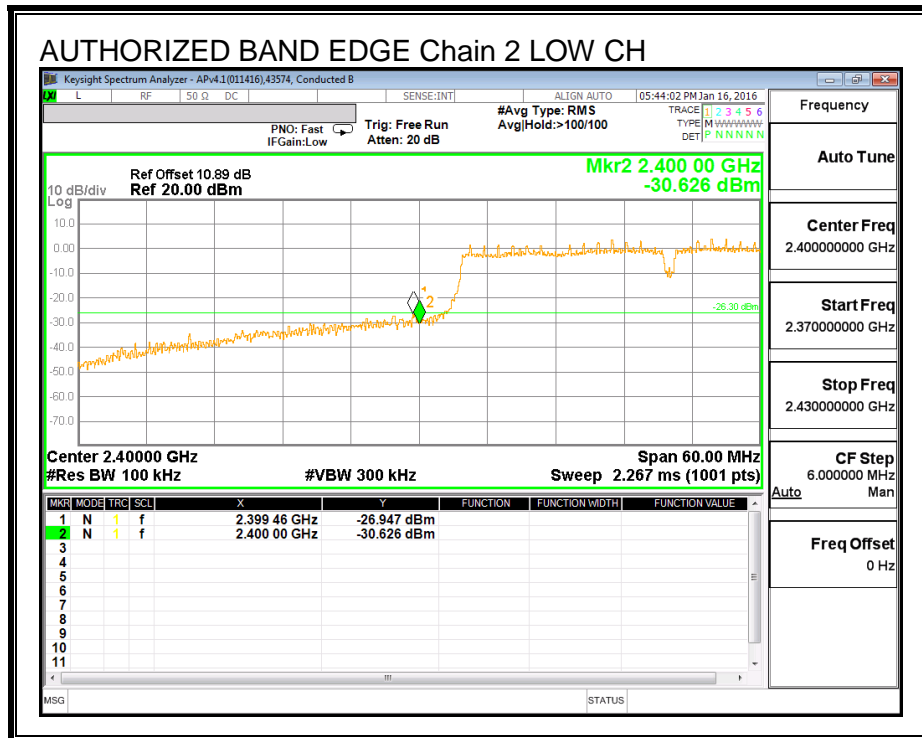


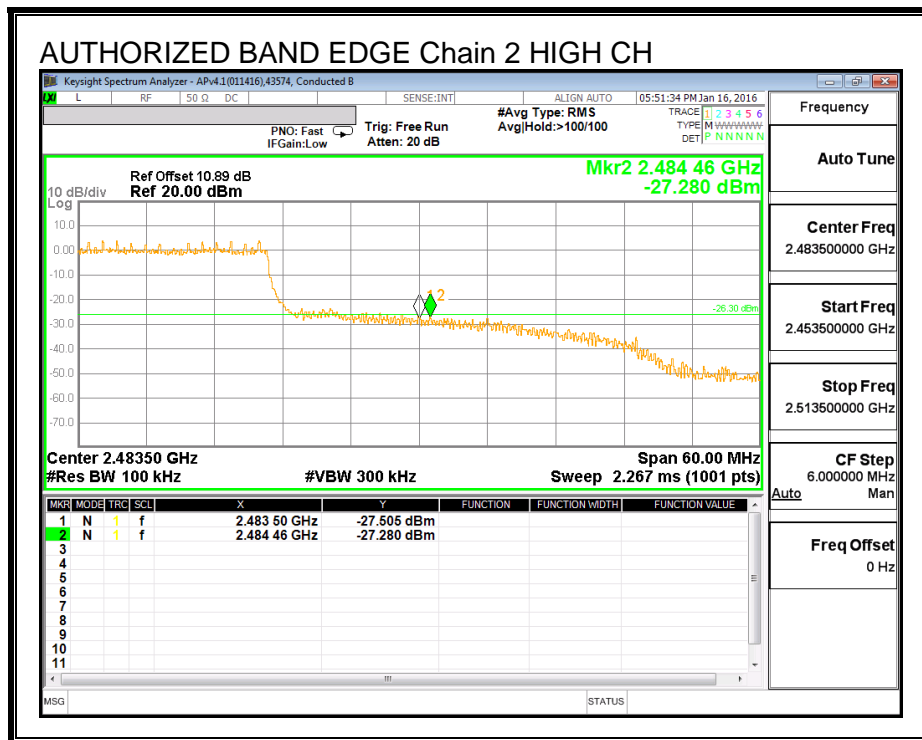
**IN-BAND REFERENCE LEVEL, Chain 2**



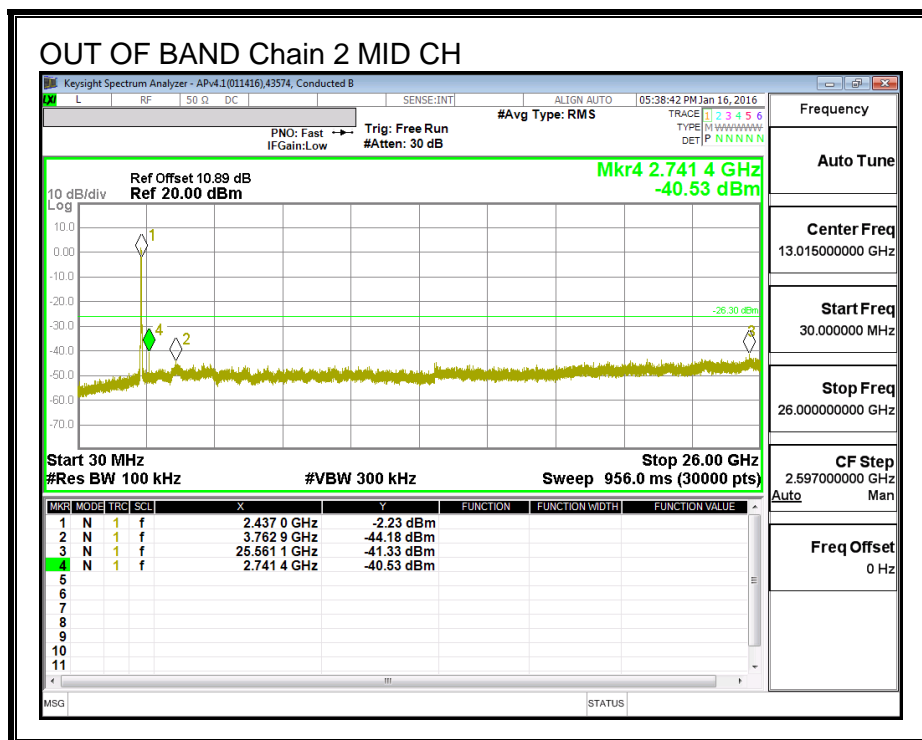
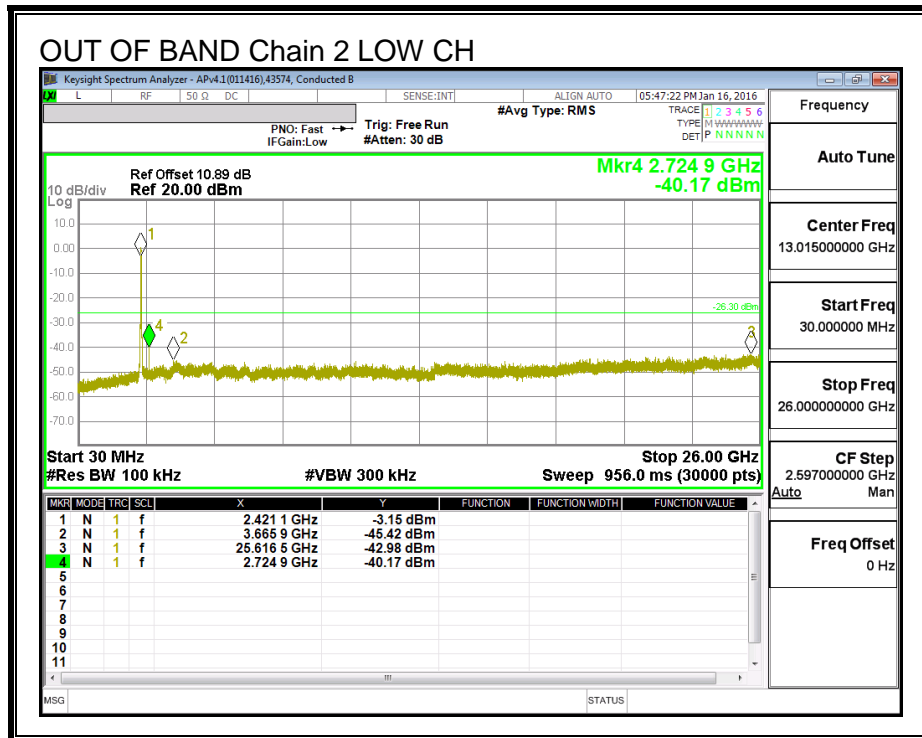
**LOW CHANNEL BANDEDGE, Chain 2**

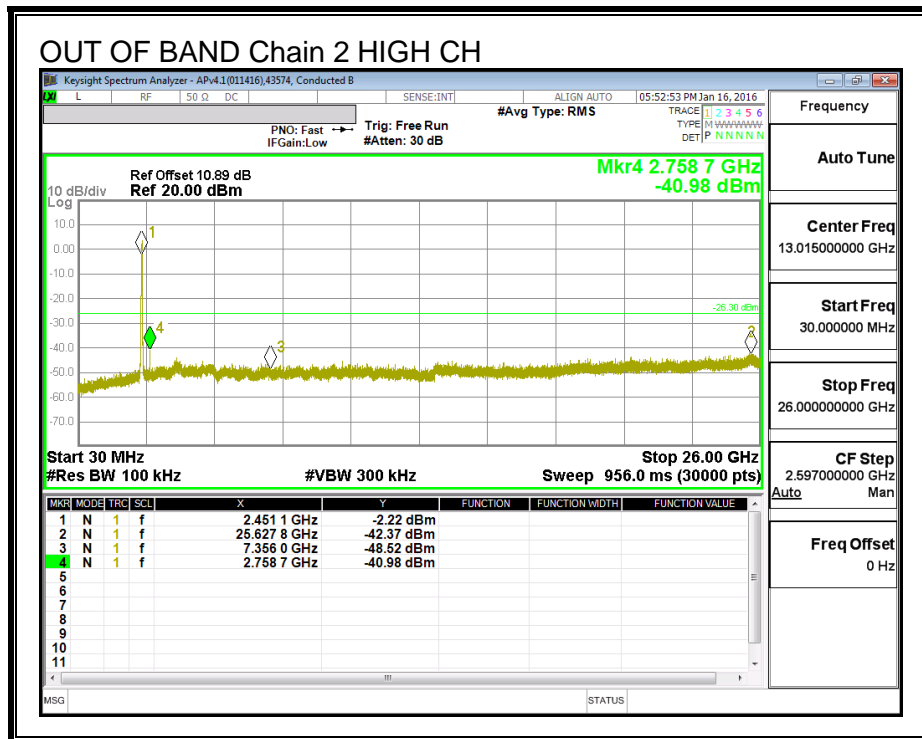


**HIGH CHANNEL BANDEDGE, Chain 2**



**OUT-OF-BAND EMISSIONS, Chain 2**





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## 9. RADIATED TEST RESULTS

### 9.1. LIMITS AND PROCEDURE

#### LIMITS

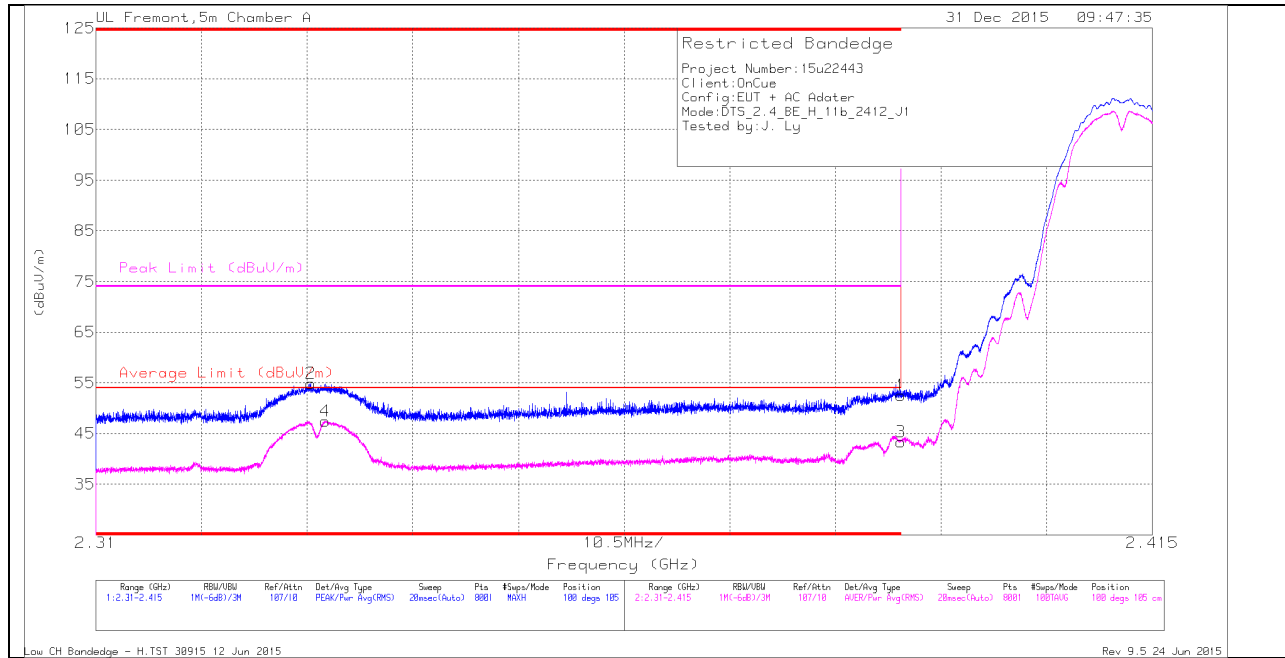
FCC §15.205 and §15.209

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

## 9.2. TX ABOVE 1 GHz 802.11b LEGACY SISO MODE IN THE 2.4 GHz BAND

### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

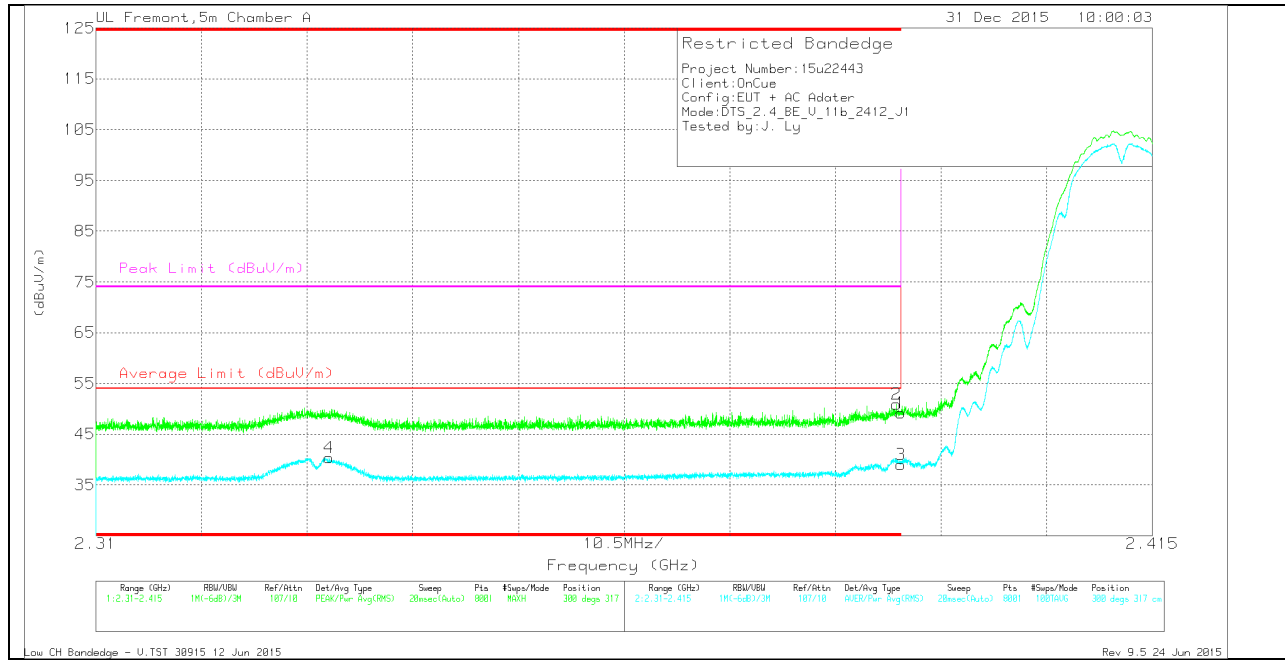
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.4	Pk	32	-19.9	0	52.5	-	-	74	-21.5	100	105	H
3	* 2.39	31.21	RMS	32	-19.9	0	43.31	54	-10.69	-	-	100	105	H
2	* 2.331	42.77	Pk	31.9	-19.8	0	54.87	-	-	74	-19.13	100	105	H
4	* 2.333	35.37	RMS	31.9	-19.8	0	47.47	54	-6.53	-	-	100	105	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	37.02	Pk	32	-19.9	0	49.12	-	-	74	-24.88	300	317	V
3	* 2.39	26.9	RMS	32	-19.9	0	39	54	-15	-	-	300	317	V
2	* 2.39	38.78	Pk	32	-19.9	0	50.88	-	-	74	-23.12	300	317	V
4	* 2.333	28.23	RMS	31.9	-19.8	0	40.33	54	-13.67	-	-	300	317	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

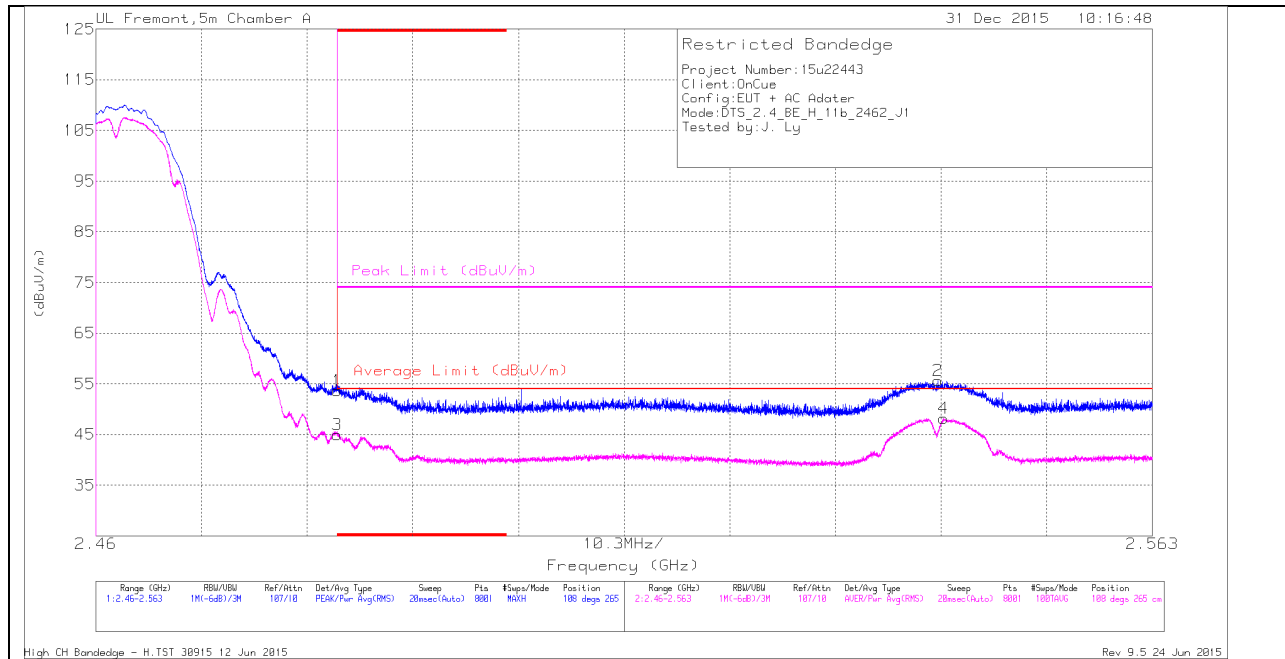
PK - Peak detector

RMS - RMS detection



**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

Trace Markers

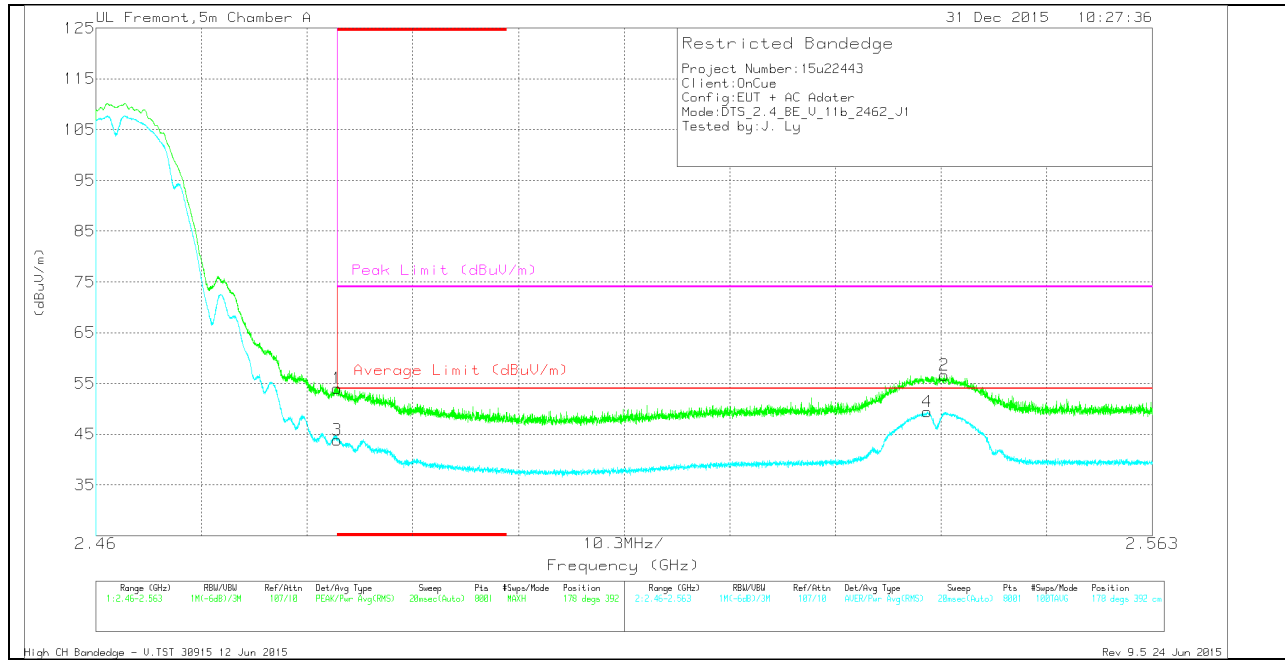
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.6	Pk	32.1	-20	0	53.7	-	-	74	-20.3	108	265	H
3	* 2.484	32.9	RMS	32.1	-20	0	45	54	-9	-	-	108	265	H
2	2.542	43.48	Pk	32.2	-20.1	0	55.58	-	-	74	-18.42	108	265	H
4	2.543	36.1	RMS	32.2	-20.1	0	48.2	54	-5.8	-	-	108	265	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.96	Pk	32.1	-20	0	54.06	-	-	74	-19.94	178	392	V
3	* 2.484	31.7	RMS	32.1	-20	0	43.8	54	-10.2	-	-	178	392	V
2	2.543	44.48	Pk	32.2	-20.1	0	56.58	-	-	74	-17.42	178	392	V
4	2.541	37.28	RMS	32.2	-20.1	0	49.38	54	-4.62	-	-	178	392	V

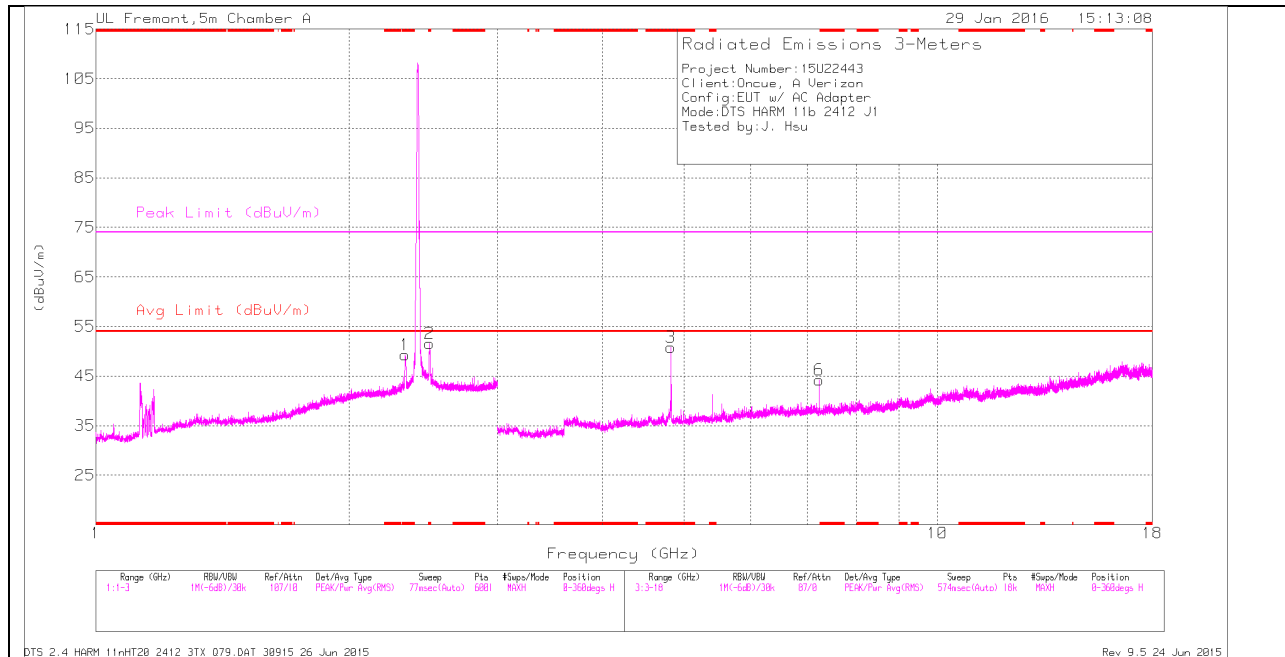
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

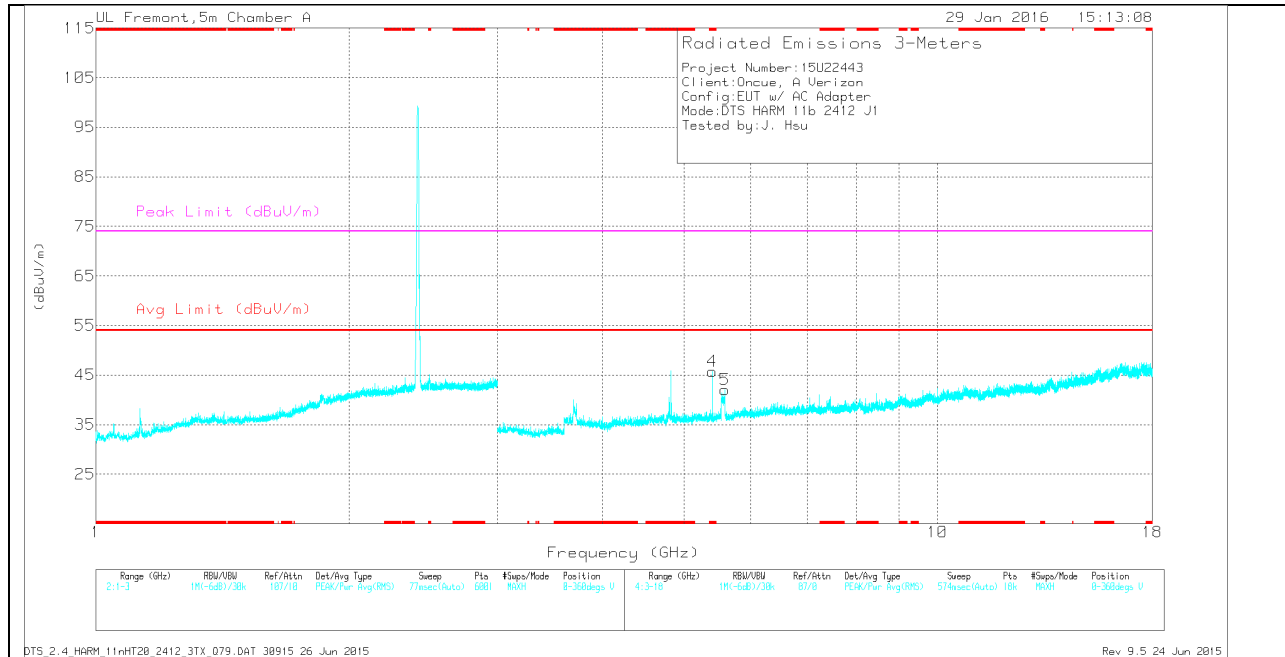
### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL VERTICAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.33	37.19	Pk	31.9	-19.8	0	49.29	-	-	74	-24.71	0-360	100	H
2	* 2.493	39.56	Pk	32.1	-20.1	0	51.56	-	-	74	-22.44	0-360	100	H
3	* 4.824	46.45	Pk	33.9	-29.6	0	50.75	-	-	74	-23.25	0-360	100	H
4	* 5.4	40.48	Pk	34.6	-29.4	0	45.68	-	-	74	-28.32	0-360	100	V
5	5.592	36.8	Pk	34.5	-29.3	0	42	-	-	-	-	0-360	200	V
6	7.236	35.28	Pk	35.5	-26.6	0	44.18	-	-	-	-	0-360	100	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

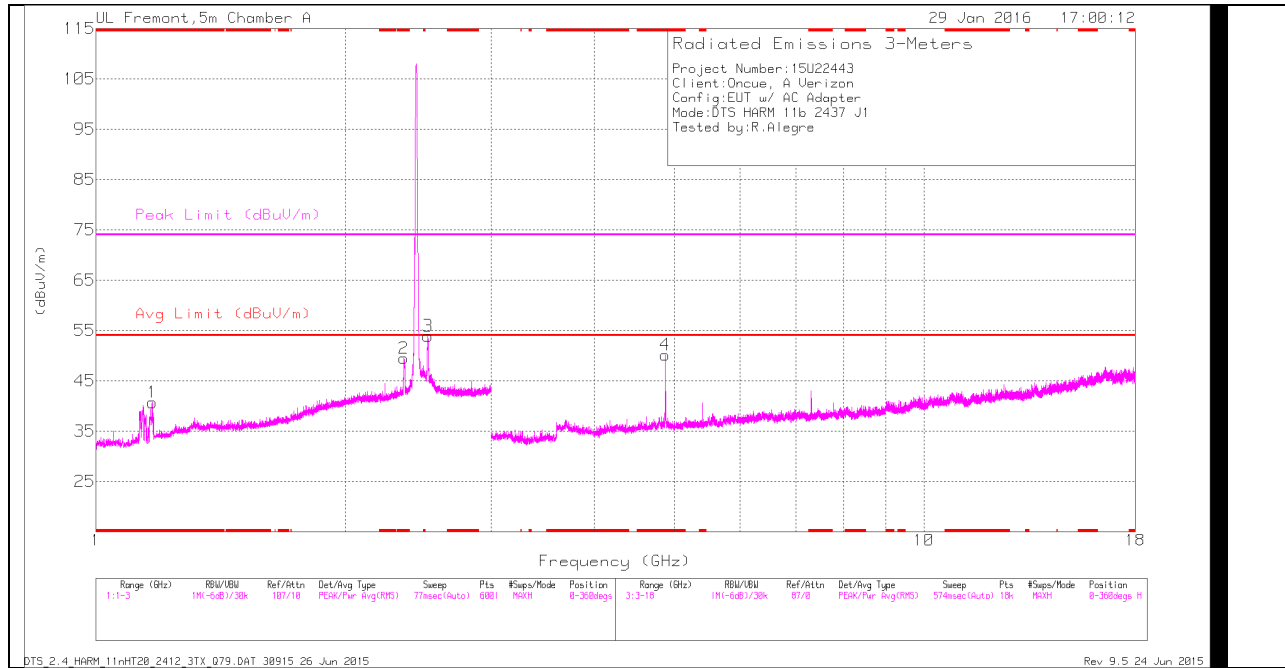
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.331	44.52	PK2	31.9	-19.8	0	56.62	-	-	74	-17.38	41	171	H
* 2.331	36.23	MAv1	31.9	-19.8	0	48.33	54	-5.67	-	-	41	171	H
* 2.493	46.14	PK2	32.1	-20.1	0	58.14	-	-	74	-15.86	35	200	H
* 2.491	38.37	MAv1	32.1	-20.1	0	50.37	54	-3.63	-	-	35	200	H
* 4.824	50.86	PK2	33.9	-29.6	0	55.16	-	-	74	-18.84	300	116	H
* 4.824	47.5	MAv1	33.9	-29.6	0	51.8	54	-2.2	-	-	300	116	H
* 5.4	44.79	PK2	34.6	-29.4	0	49.99	-	-	74	-24.01	58	100	V
* 5.4	38.9	MAv1	34.6	-29.4	0	44.1	54	-9.9	-	-	58	100	V
5.592	46.04	PK2	34.5	-29.3	0	51.24	-	-	74	-22.76	341	272	V
7.236	41.87	PK2	35.5	-26.6	0	50.77	-	-	74	-23.23	62	102	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

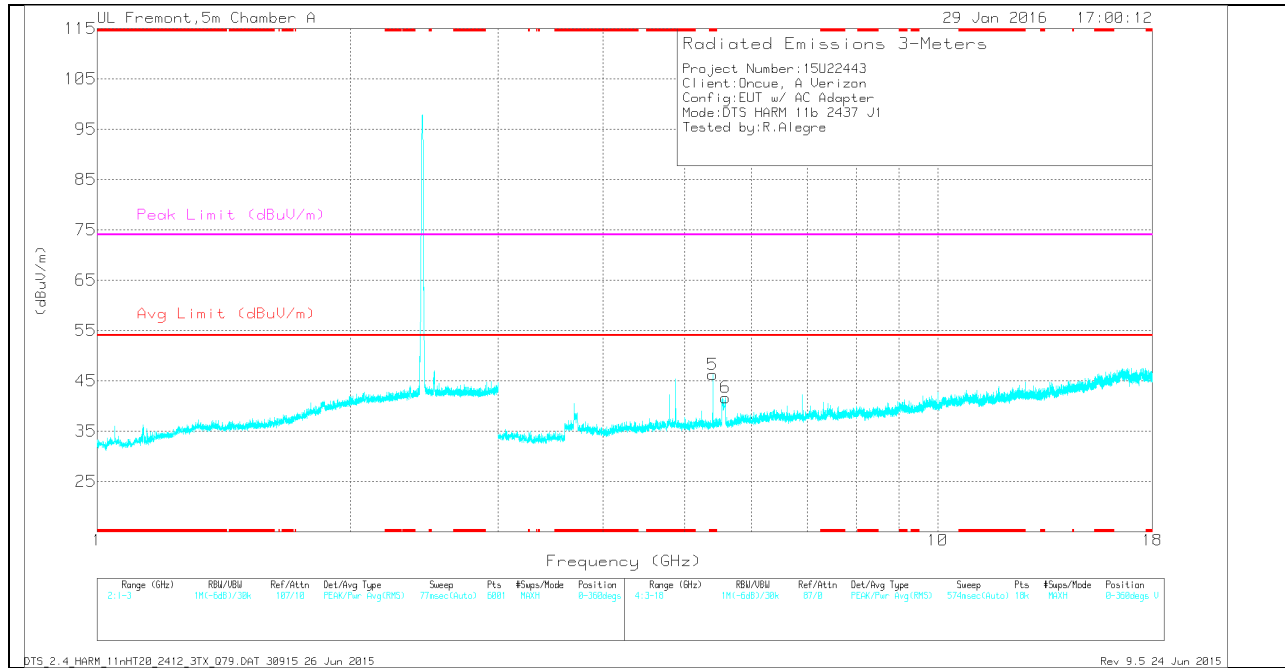
MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**MID CHANNEL VERTICAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**MID CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.17	34.98	Pk	27.8	-22.1	0	40.68	-	-	74	-33.32	0-360	201	H
2	* 2.355	37.34	Pk	31.9	-19.8	0	49.44	-	-	74	-24.56	0-360	100	H
4	* 4.874	45.54	Pk	33.9	-29.3	0	50.14	-	-	74	-23.86	0-360	100	H
5	* 5.4	40.99	Pk	34.6	-29.4	0	46.19	-	-	74	-27.81	0-360	100	V
3	2.518	41.86	Pk	32.1	-20.1	0	53.86	-	-	-	-	0-360	100	H
6	5.592	36.45	Pk	34.5	-29.3	0	41.65	-	-	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.169	31.47	PK2	27.8	-22.1	0	37.17	-	-	74	-36.83	58	210	H
* 1.17	25.55	MAv1	27.8	-22.1	0	31.25	54	-22.75	-	-	58	210	H
* 2.358	41.32	PK2	31.9	-19.8	0	53.42	-	-	74	-20.58	43	110	H
* 2.358	36.3	MAv1	31.9	-19.8	0	48.4	54	-5.6	-	-	43	110	H
* 4.874	47.02	PK2	33.9	-29.3	0	51.62	-	-	74	-22.38	302	127	H
* 4.874	44.84	MAv1	33.9	-29.3	0	49.44	54	-4.56	-	-	302	127	H
* 5.4	42.68	PK2	34.6	-29.4	0	47.88	-	-	74	-26.12	31	110	V
* 5.4	39.86	MAv1	34.6	-29.4	0	45.06	54	-8.94	-	-	31	110	V
2.518	45.43	PK2	32.1	-20.1	0	57.43	-	-	74	-16.57	41	100	H
5.592	40.2	PK2	34.5	-29.3	0	45.4	-	-	74	-28.6	335	257	V

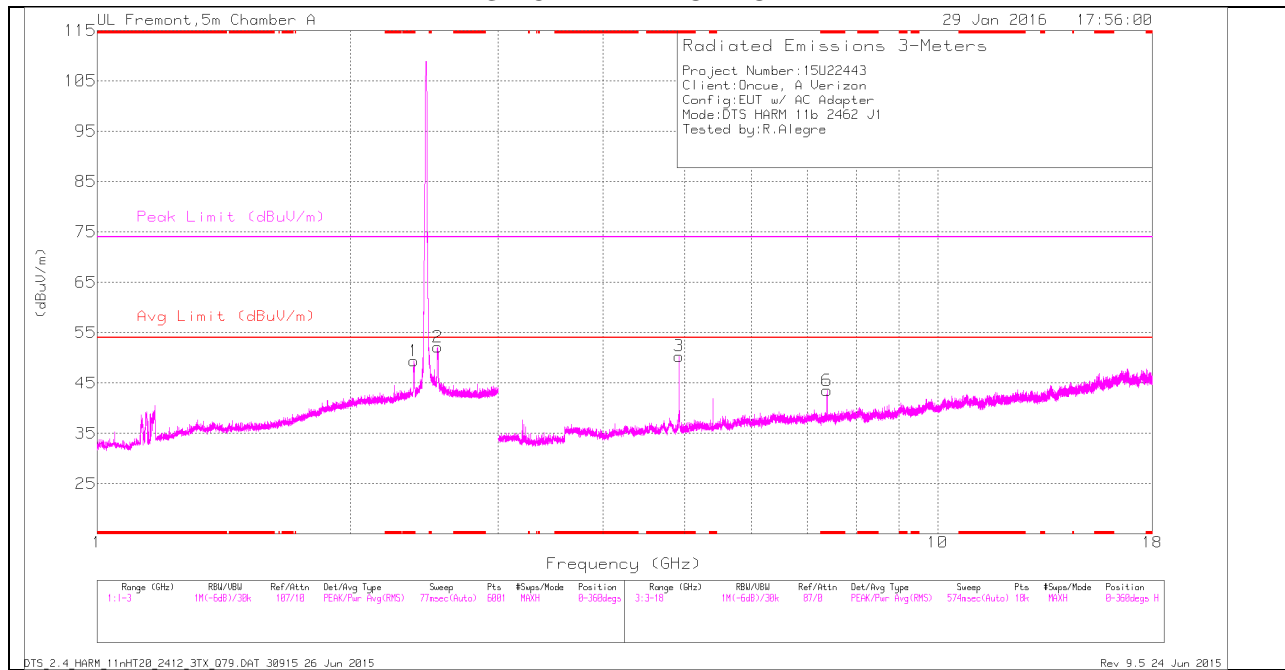
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

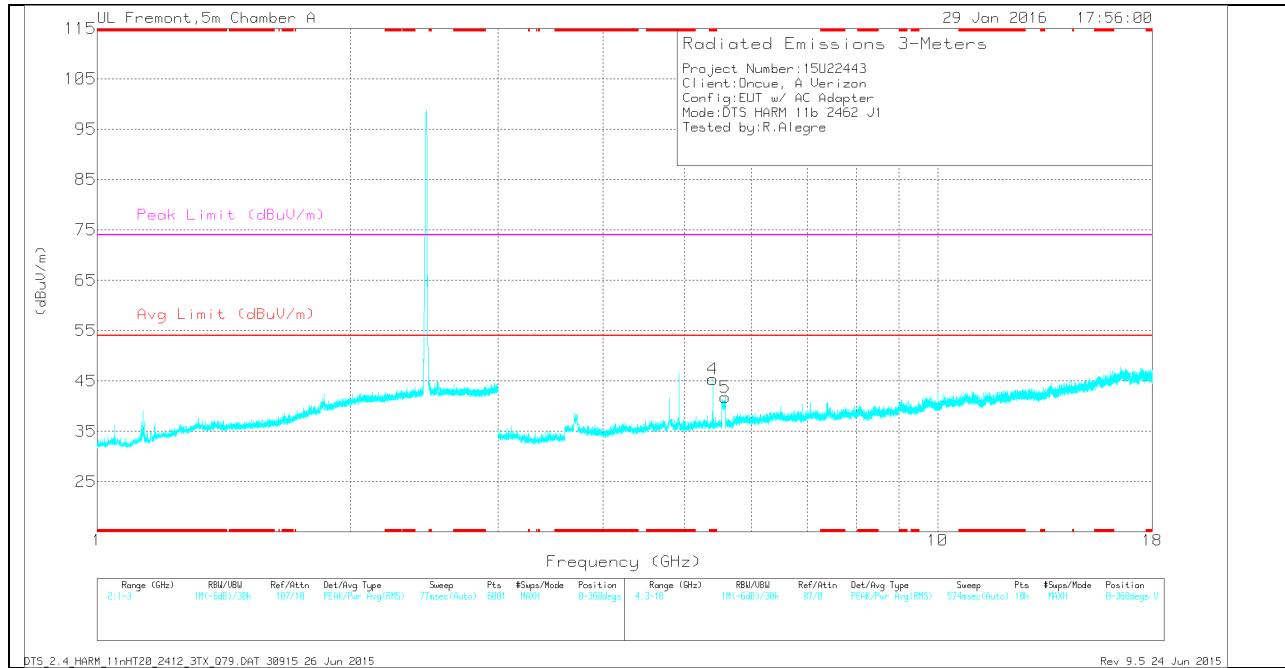


**HIGH CHANNEL HORIZONTAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**HIGH CHANNEL VERTICAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**HIGH CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.383	37.38	Pk	31.9	-19.9	0	49.38	-	-	74	-24.62	0-360	100	H
3	* 4.924	45.73	Pk	33.9	-29.3	0	50.33	-	-	74	-23.67	0-360	100	H
6	* 7.385	33.83	Pk	35.5	-25.8	0	43.53	-	-	74	-30.47	0-360	100	H
4	* 5.4	40.15	Pk	34.6	-29.4	0	45.35	-	-	74	-28.65	0-360	100	V
2	2.541	40.03	Pk	32.2	-20.1	0	52.13	-	-	-	-	0-360	100	H
5	5.588	36.48	Pk	34.5	-29.2	0	41.78	-	-	-	-	0-360	200	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.381	41.42	PK2	31.9	-19.8	0	53.52	-	-	74	-20.48	44	244	H
* 2.381	36.51	MAv1	31.9	-19.9	0	48.51	54	-5.49	-	-	44	244	H
* 4.924	48.04	PK2	33.9	-29.3	0	52.64	-	-	74	-21.36	41	110	H
* 4.924	46.05	MAv1	33.9	-29.3	0	50.65	54	-3.35	-	-	41	110	H
* 7.386	38.83	PK2	35.5	-25.8	0	48.53	-	-	74	-25.47	71	113	H
* 7.387	33.88	MAv1	35.5	-25.7	0	43.68	54	-10.32	-	-	71	113	H
* 5.4	42.52	PK2	34.6	-29.4	0	47.72	-	-	74	-26.28	32	119	V
* 5.4	39.7	MAv1	34.6	-29.4	0	44.9	54	-9.1	-	-	32	119	V
2.54	43.53	PK2	32.2	-20.1	0	55.63	-	-	74	-18.37	41	310	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

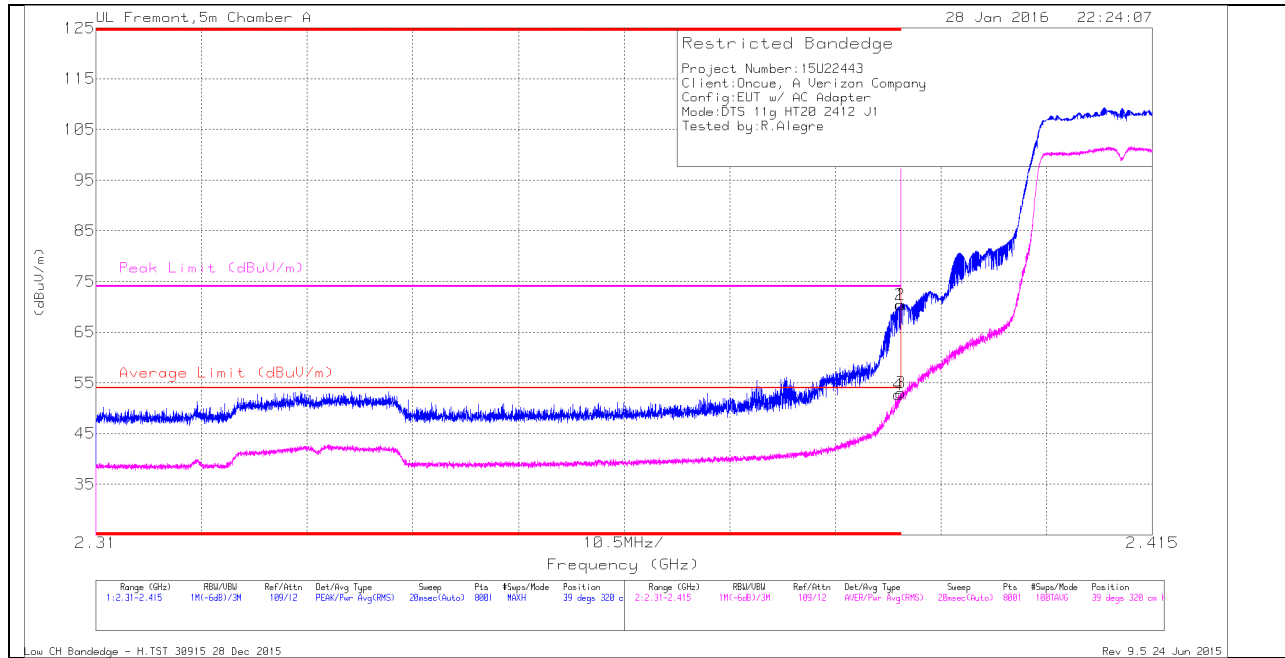
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 9.3. TX ABOVE 1 GHz 802.11g LEGACY SISO MODE IN THE 2.4 GHz BAND

#### RESTRICTED BANDEDGE (CHANNEL 1)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

#### Trace Markers

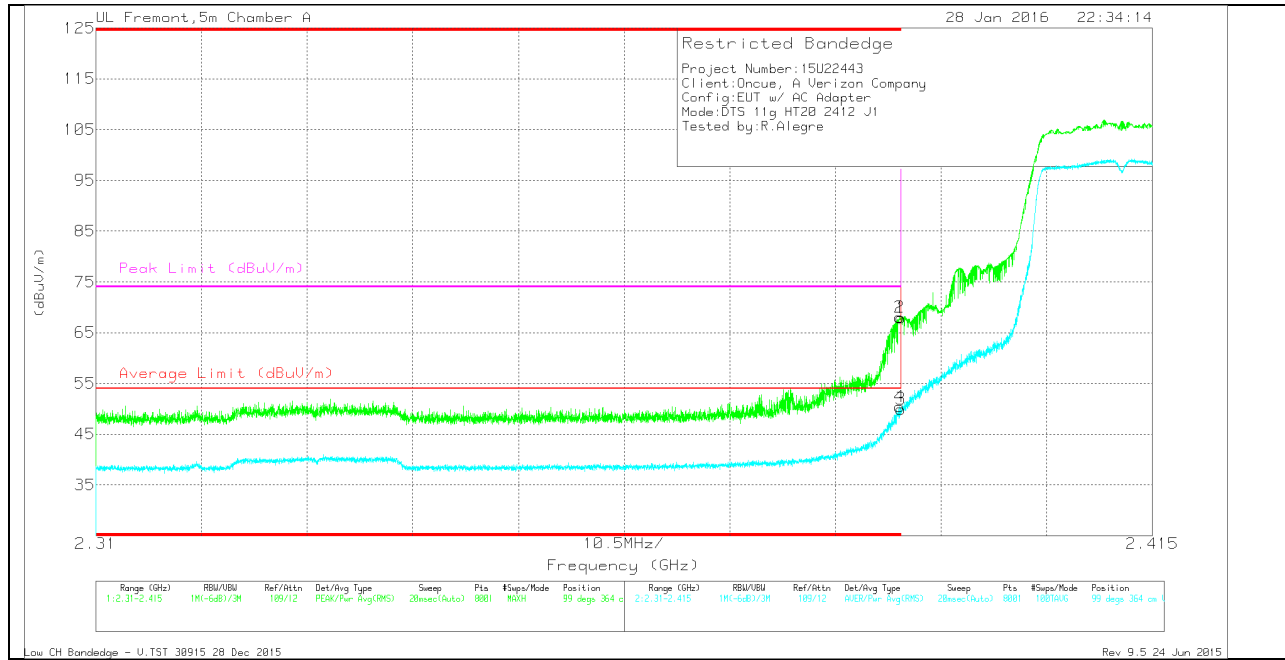
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	58.36	Pk	32	-19.9	0	70.46	-	-	74	-3.54	39	320	H
3	* 2.39	40.95	RMS	32	-19.9	0	53.05	54	-95	-	-	39	320	H
2	* 2.39	58.35	Pk	32	-19.9	0	70.45	-	-	74	-3.55	39	320	H
4	* 2.39	40.57	RMS	32	-19.9	0	52.67	54	-1.33	-	-	39	320	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.78	Pk	32	-19.9	0	67.88	-	-	74	-6.12	99	364	V
3	* 2.39	37.88	RMS	32	-19.9	0	49.98	54	-4.02	-	-	99	364	V
2	* 2.39	56	Pk	32	-19.9	0	68.1	-	-	74	-5.9	99	364	V
4	* 2.39	38.27	RMS	32	-19.9	0	50.37	54	-3.63	-	-	99	364	V

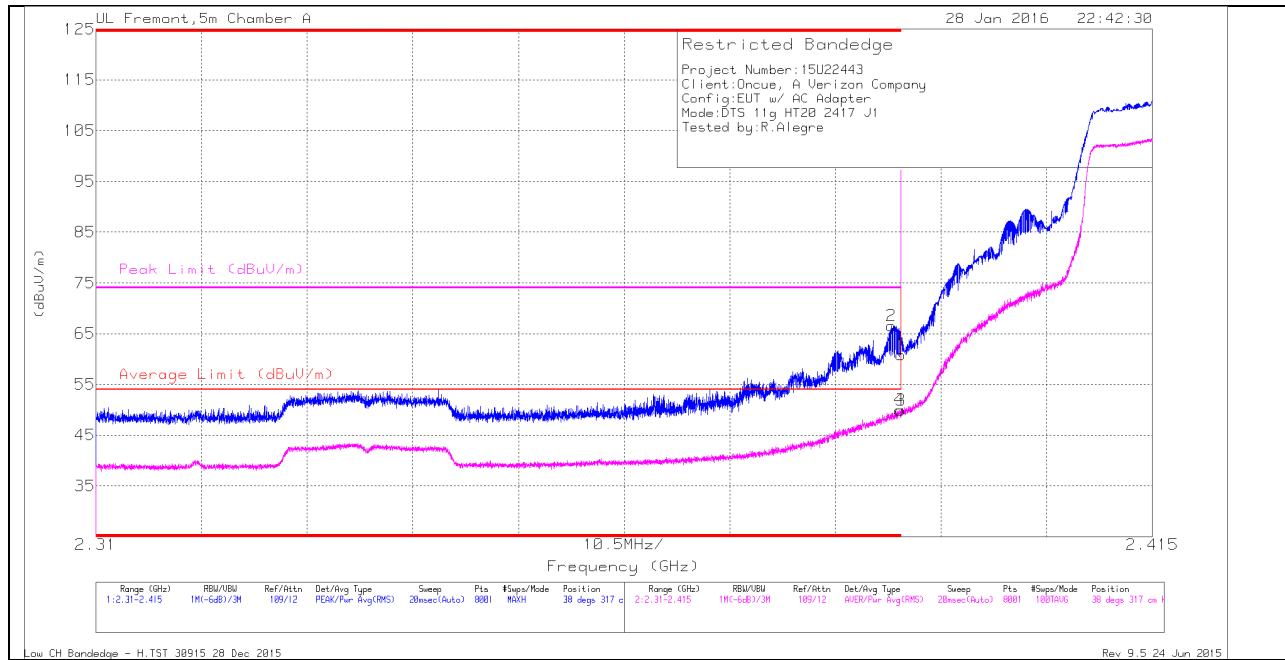
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 2)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

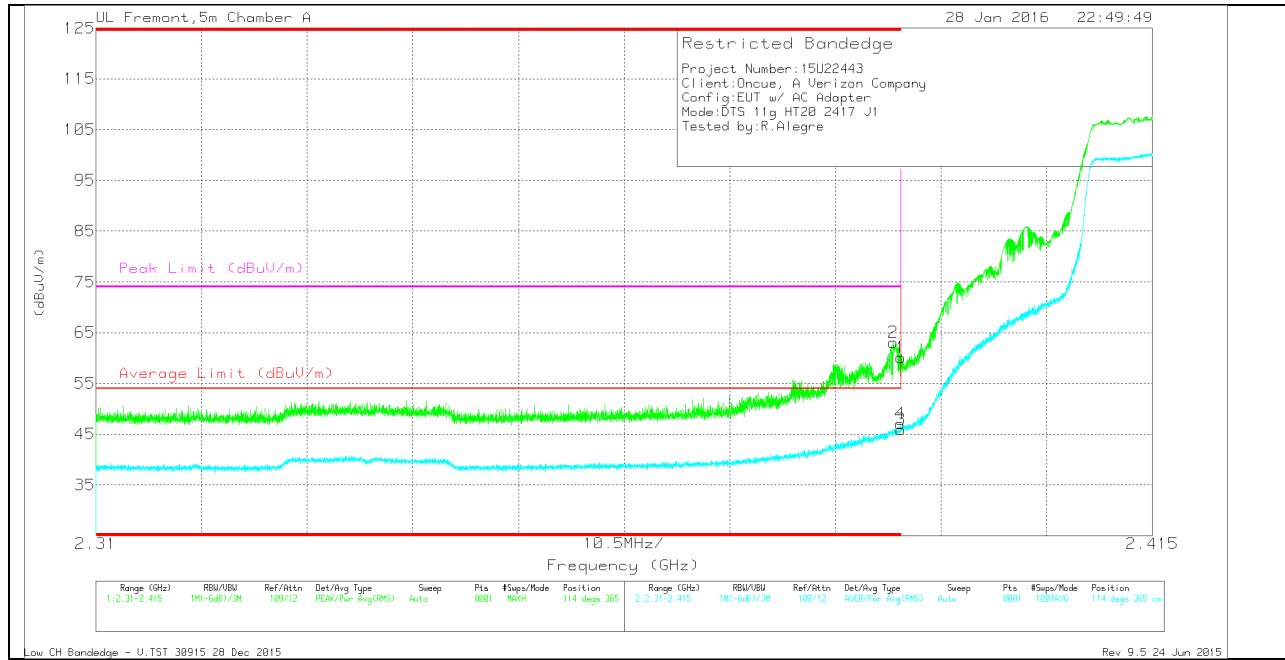
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	54.41	Pk	32	-19.9	0	66.51	-	-	74	-7.49	38	317	H
3	* 2.39	37.85	RMS	32	-19.9	0	49.95	54	-4.05	-	-	38	317	H
1	* 2.39	48.69	Pk	32	-19.9	0	60.79	-	-	74	-13.21	38	317	H
4	* 2.39	37.88	RMS	32	-19.9	0	49.98	54	-4.02	-	-	38	317	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	50.97	Pk	32	-19.9	0	63.07	-	-	74	-10.93	114	365	V
3	* 2.39	33.9	RMS	32	-19.9	0	46	54	-8	-	-	114	365	V
1	* 2.39	48.04	Pk	32	-19.9	0	60.14	-	-	74	-13.86	114	365	V
4	* 2.39	34.94	RMS	32	-19.9	0	47.04	54	-6.96	-	-	114	365	V

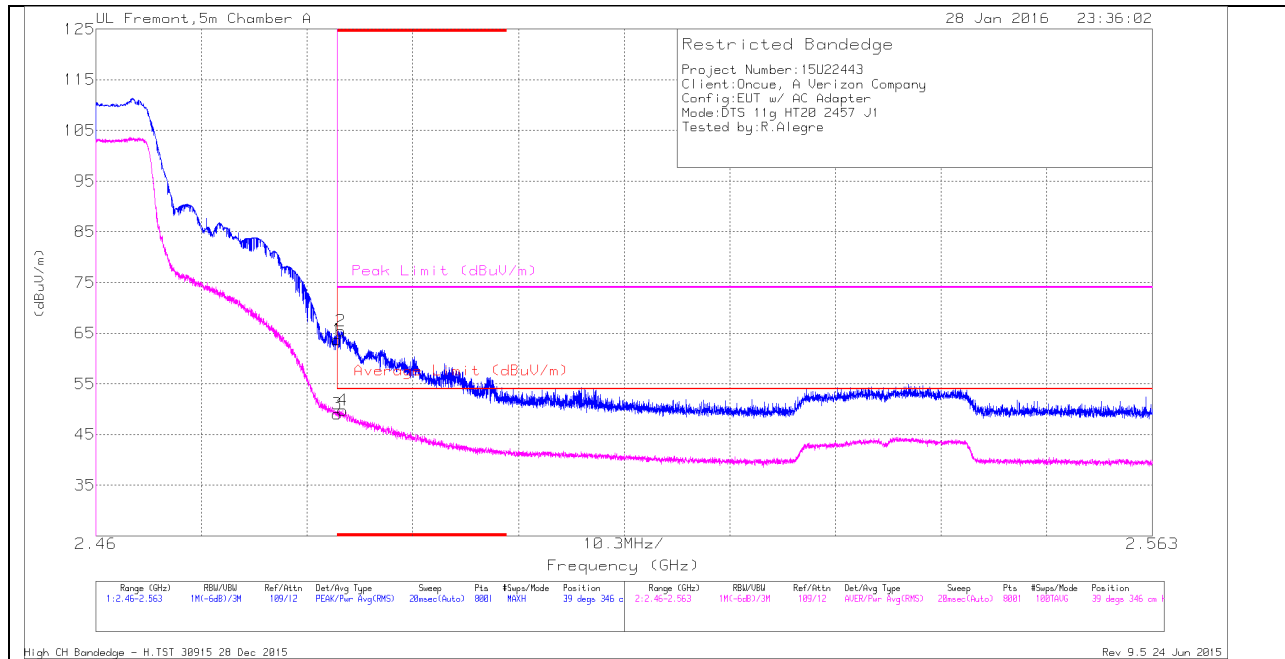
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 10)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.65	Pk	32.1	-20	0	63.75	-	-	74	-10.25	39	346	H
3	* 2.484	36.9	RMS	32.1	-20	0	49	54	-5	-	-	39	346	H
2	* 2.484	53.39	Pk	32.1	-20	0	65.49	-	-	74	-8.51	39	346	H
4	* 2.484	37.72	RMS	32.1	-20	0	49.82	54	-4.18	-	-	39	346	H

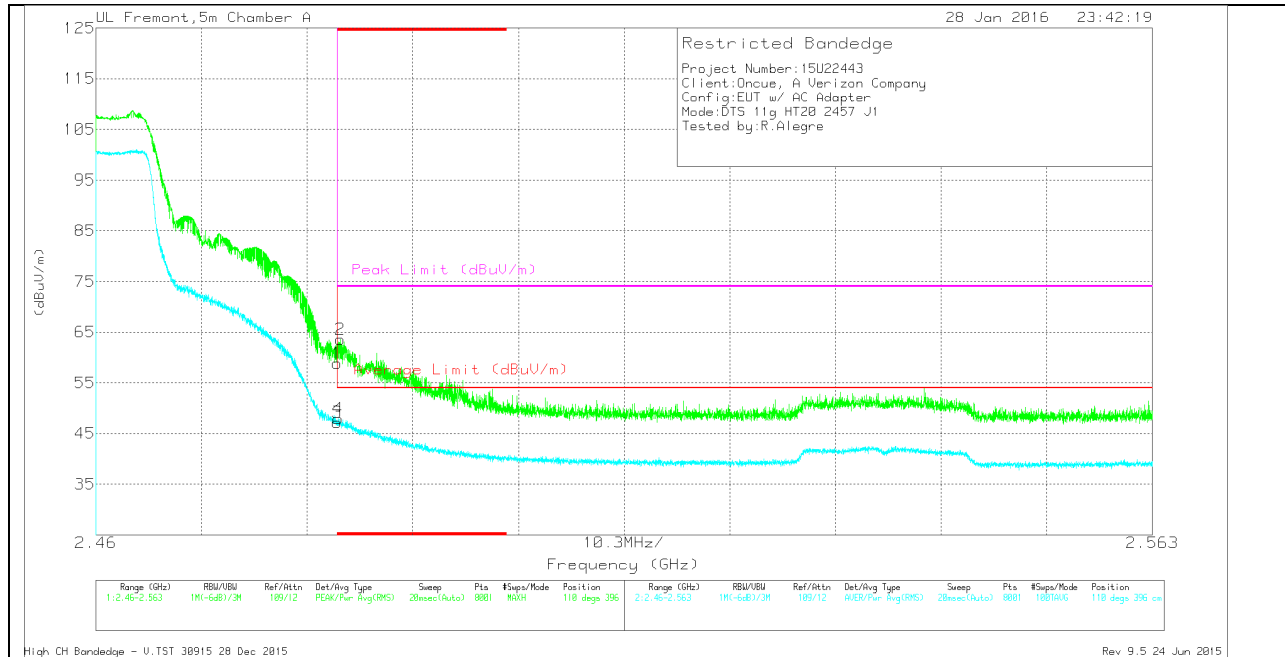
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.71	Pk	32.1	-20	0	58.81	-	-	74	-15.19	110	396	V
3	* 2.484	35.06	RMS	32.1	-20	0	47.16	54	-6.84	-	-	110	396	V
2	* 2.484	51.43	Pk	32.1	-20	0	63.53	-	-	74	-10.47	110	396	V
4	* 2.484	35.81	RMS	32.1	-20	0	47.91	54	-6.09	-	-	110	396	V

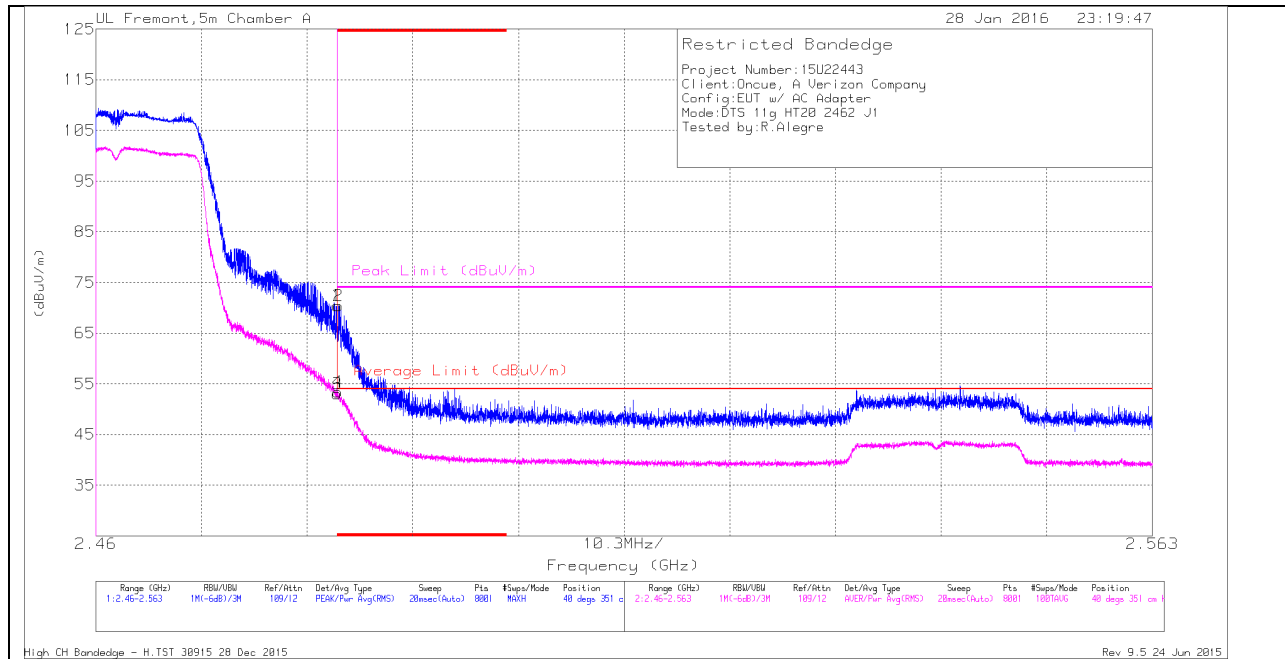
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 11)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

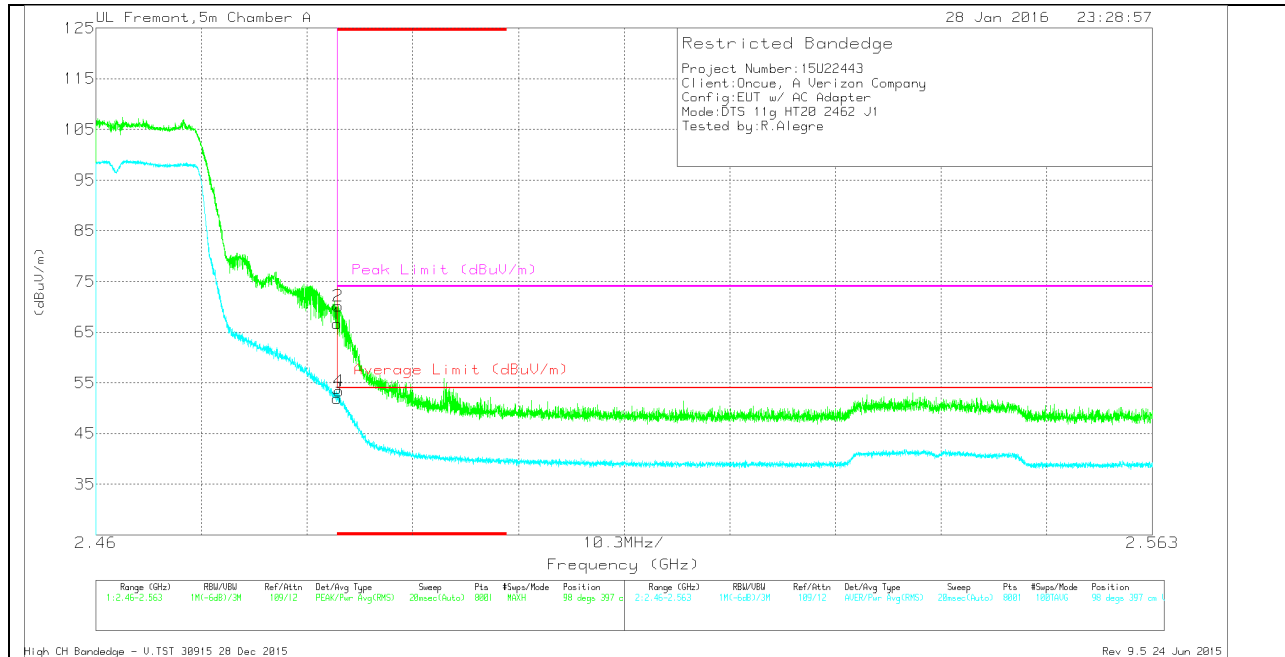
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	58.27	Pk	32.1	-20	0	70.37	-	-	74	-3.63	40	351	H
3	* 2.484	40.96	RMS	32.1	-20	0	53.06	54	-94	-	-	40	351	H
2	* 2.484	58.31	Pk	32.1	-20	0	70.41	-	-	74	-3.59	40	351	H
4	* 2.484	41.29	RMS	32.1	-20	0	53.39	54	-61	-	-	40	351	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.53	Pk	32.1	-20	0	66.63	-	-	74	-7.37	98	397	V
3	* 2.484	39.79	RMS	32.1	-20	0	51.89	54	-2.11	-	-	98	397	V
2	* 2.484	58.01	Pk	32.1	-20	0	70.11	-	-	74	-3.89	98	397	V
4	* 2.484	41.24	RMS	32.1	-20	0	53.34	54	-0.66	-	-	98	397	V

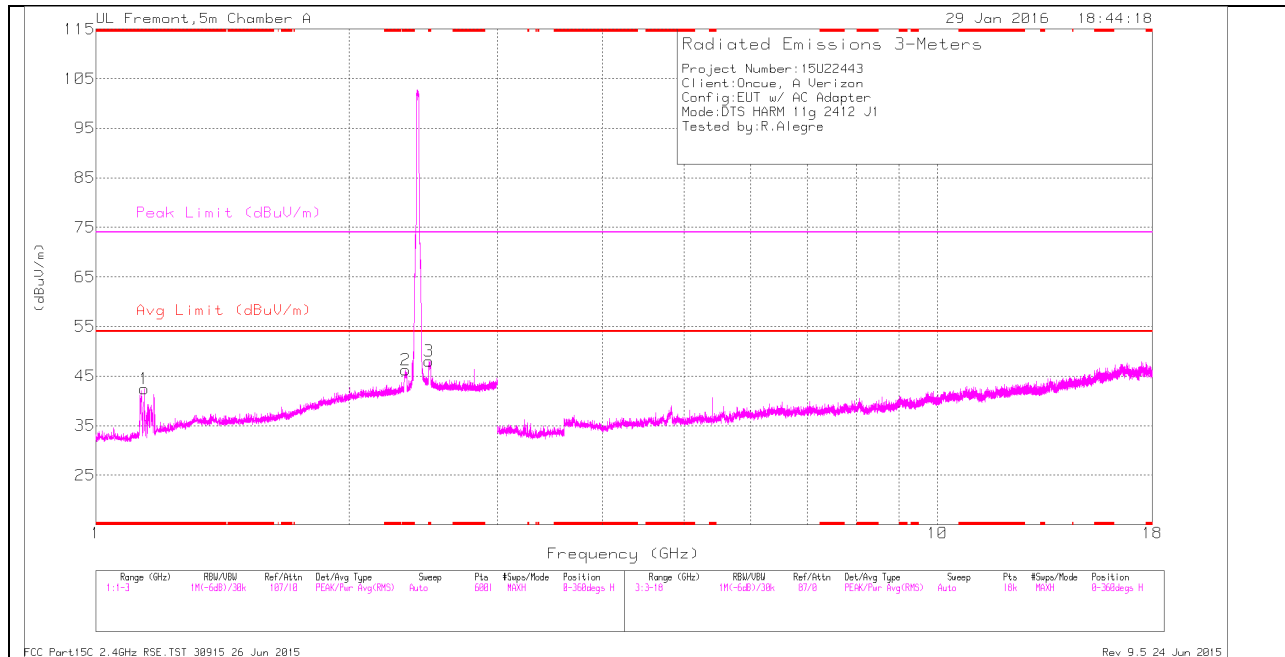
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

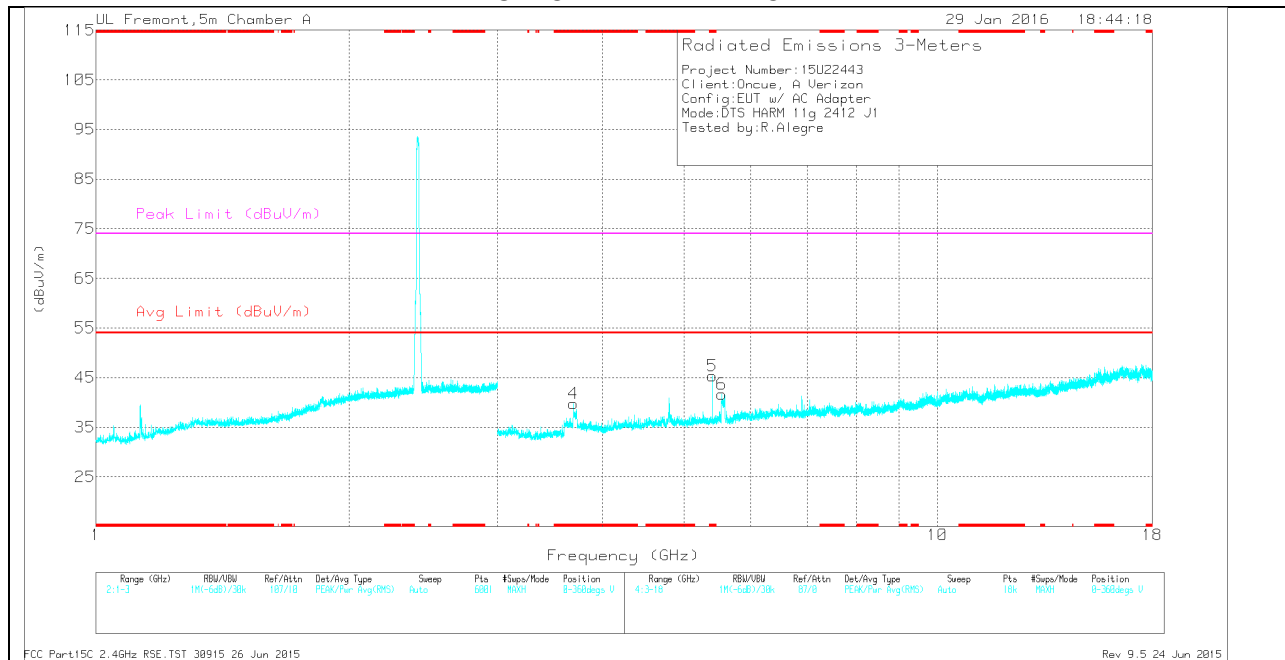
### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.142	37	Pk	27.6	-22.2	0	42.4	-	-	74	-31.6	0-360	100	H
2	* 2.335	34.08	Pk	31.9	-19.8	0	46.18	-	-	74	-27.82	0-360	201	H
3	* 2.487	35.86	Pk	32.1	-20	0	47.96	-	-	74	-26.04	0-360	100	H
4	* 3.694	38.04	Pk	33.2	-31.5	0	39.74	-	-	74	-34.26	0-360	100	V
5	* 5.4	40.17	Pk	34.6	-29.4	0	45.37	-	-	74	-28.63	0-360	100	V
6	5.54	36.02	Pk	34.5	-28.8	0	41.72	-	-	-	-	0-360	200	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

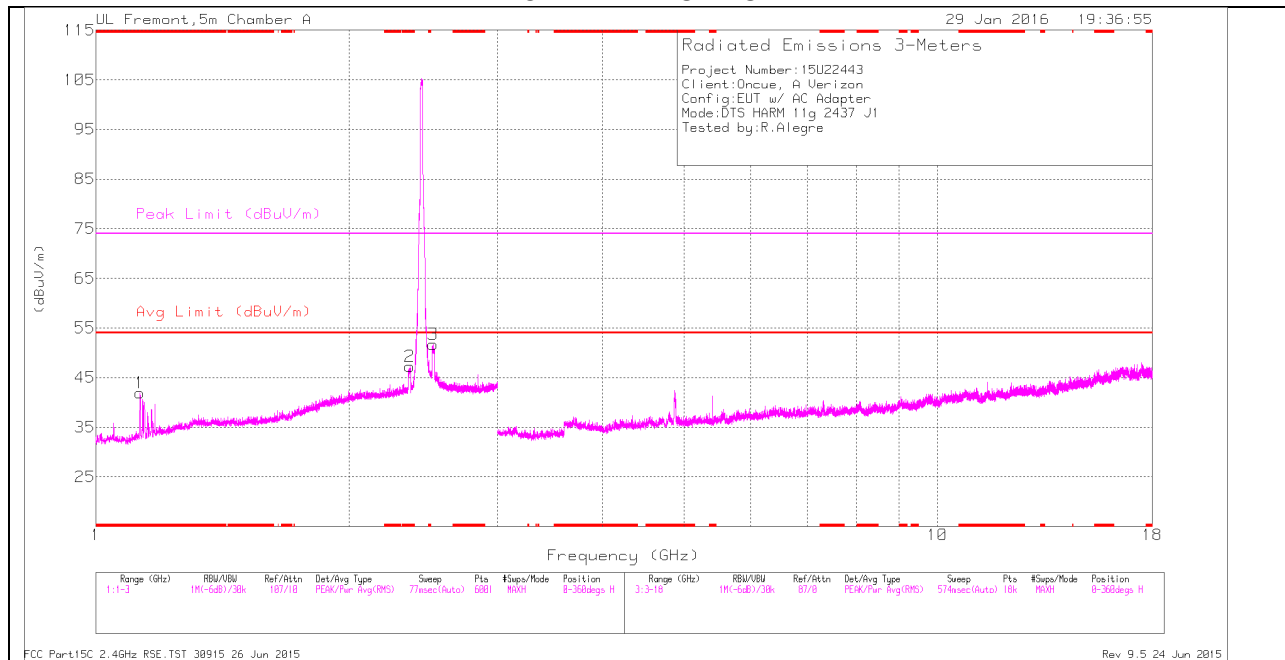
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/ Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.142	31.56	PK2	27.6	-22.2	0	36.96	-	-	74	-37.04	65	101	H
* 1.142	25.76	MAv1	27.6	-22.2	0	31.16	54	-22.84	-	-	65	101	H
* 2.333	42.52	PK2	31.9	-19.8	0	54.62	-	-	74	-19.38	37	331	H
* 2.333	30.61	MAv1	31.9	-19.8	0	42.71	54	-11.29	-	-	37	331	H
* 2.489	43.61	PK2	32.1	-20	0	55.71	-	-	74	-18.29	42	215	H
* 2.49	32.19	MAv1	32.1	-20.1	0	44.19	54	-9.81	-	-	42	215	H
* 3.693	46.62	PK2	33.2	-31.5	0	48.32	-	-	74	-25.68	36	310	V
* 3.693	31.93	MAv1	33.2	-31.5	0	33.63	54	-20.37	-	-	36	310	V
* 5.4	42.47	PK2	34.6	-29.4	0	47.67	-	-	74	-26.33	33	118	V
* 5.4	39.65	MAv1	34.6	-29.4	0	44.85	54	-9.15	-	-	33	118	V
5.54	41.47	PK2	34.5	-28.8	0	47.17	-	-	74	-26.83	335	294	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

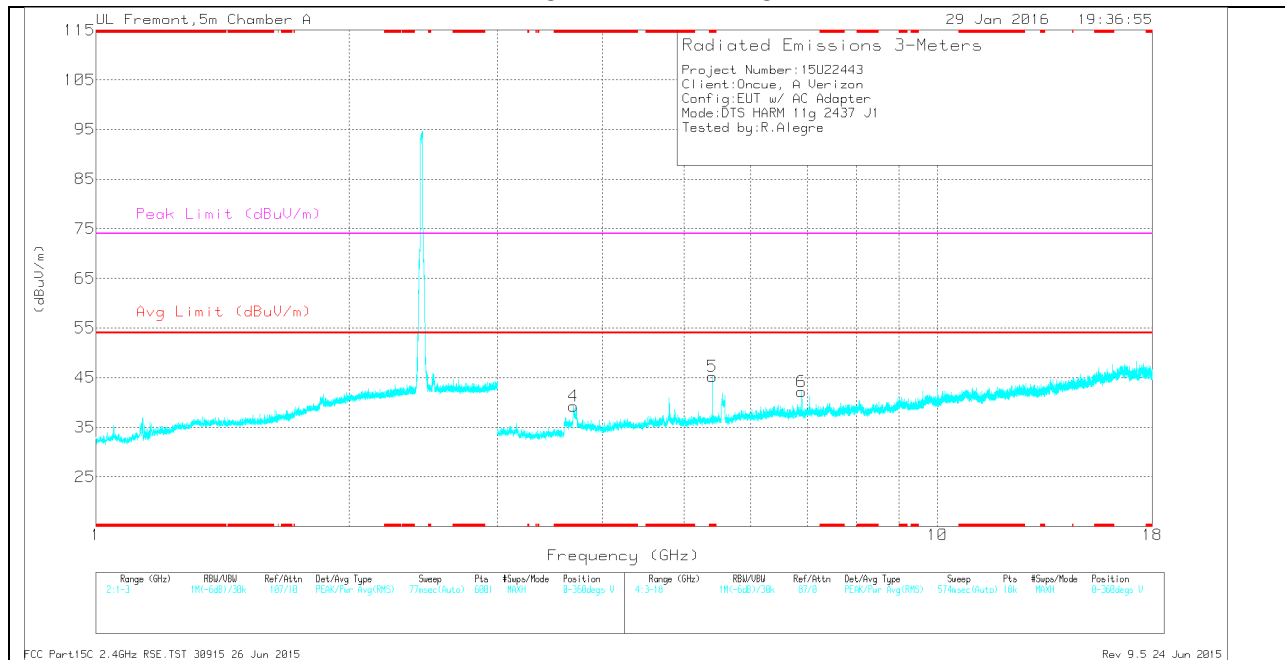
MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



**MID CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.128	36.72	Pk	27.4	-22.2	0	41.92	-	-	74	-32.08	0-360	201	H
2	* 2.36	35.13	Pk	31.9	-19.8	0	47.23	-	-	74	-26.77	0-360	100	H
4	* 3.694	37.56	Pk	33.2	-31.5	0	39.26	-	-	74	-34.74	0-360	200	V
5	* 5.4	40.07	Pk	34.6	-29.4	0	45.27	-	-	74	-28.73	0-360	100	V
3	2.515	39.67	Pk	32.1	-20.1	0	51.67	-	-	-	-	0-360	100	H
6	6.9	33.14	Pk	35.6	-26.6	0	42.14	-	-	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

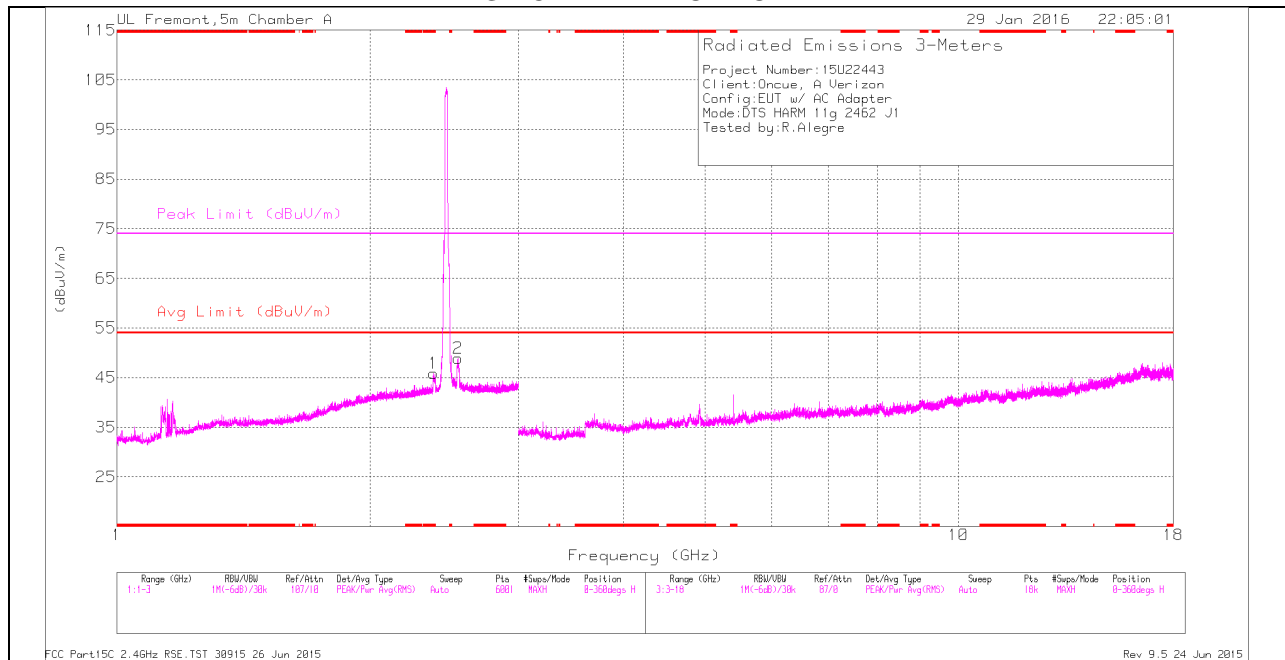
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.126	31.69	PK2	27.4	-22.2	0	36.89	-	-	74	-37.11	49	236	H
* 1.13	26.38	MAV1	27.5	-22.2	0	31.68	54	-22.32	-	-	49	236	H
* 2.359	38.54	PK2	31.9	-19.8	0	50.64	-	-	74	-23.36	46	212	H
* 2.359	32.26	MAV1	31.9	-19.8	0	44.36	54	-9.64	-	-	46	212	H
* 3.694	43.17	PK2	33.2	-31.5	0	44.87	-	-	74	-29.13	338	272	V
* 3.693	33.88	MAV1	33.2	-31.5	0	35.58	54	-18.42	-	-	338	272	V
* 5.4	42.62	PK2	34.6	-29.4	0	47.82	-	-	74	-26.18	32	110	V
* 5.4	39.82	MAV1	34.6	-29.4	0	45.02	54	-8.98	-	-	32	110	V
2.515	43.7	PK2	32.1	-20.1	0	55.7	-	-	74	-18.3	40	146	H
2.516	37.5	MAV1	32.1	-20.1	0	49.5	-	-	-	-	40	146	H
6.9	33.19	PK2	35.6	-26.6	0	42.19	-	-	74	-31.81	52	100	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

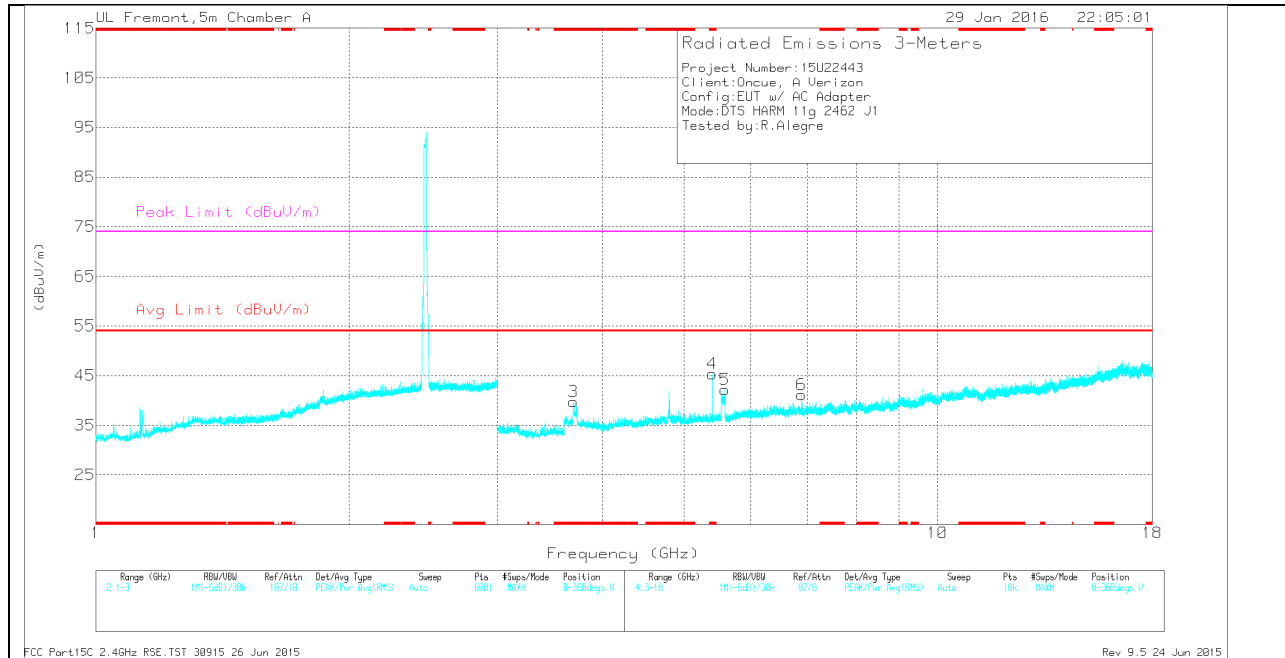
MAV1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL HORIZONTAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**HIGH CHANNEL VERTICAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**HIGH CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38	33.72	Pk	31.9	-19.8	0	45.82	-	-	74	-28.18	0-360	100	H
3	* 3.693	38.03	Pk	33.2	-31.5	0	39.73	-	-	74	-34.27	0-360	200	V
4	* 5.4	40.2	Pk	34.6	-29.4	0	45.4	-	-	74	-28.6	0-360	100	V
2	2.543	36.82	Pk	32.2	-20.1	0	48.92	-	-	-	-	0-360	100	H
5	5.588	36.87	Pk	34.5	-29.2	0	42.17	-	-	-	-	0-360	200	V
6	6.9	32.18	Pk	35.6	-26.6	0	41.18	-	-	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.379	37.81	PK2	31.9	-19.8	0	49.91	-	-	74	-24.09	45	149	H
* 2.381	30.27	MAv1	31.9	-19.8	0	42.37	54	-11.63	-	-	45	149	H
* 3.693	43.37	PK2	33.2	-31.5	0	45.07	-	-	74	-28.93	360	315	V
* 3.693	33.76	MAv1	33.2	-31.5	0	35.46	54	-18.54	-	-	360	315	V
* 5.4	41.12	PK2	34.6	-29.4	0	46.32	-	-	74	-27.68	61	111	V
* 5.4	37.66	MAv1	34.6	-29.4	0	42.86	54	-11.14	-	-	61	111	V
2.544	39.99	PK2	32.2	-20.1	0	52.09	-	-	74	-21.91	35	115	H
5.589	41.45	PK2	34.5	-29.2	0	46.75	-	-	74	-27.25	332	215	V
6.9	33.14	PK2	35.6	-26.6	0	42.14	-	-	74	-31.86	98	104	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

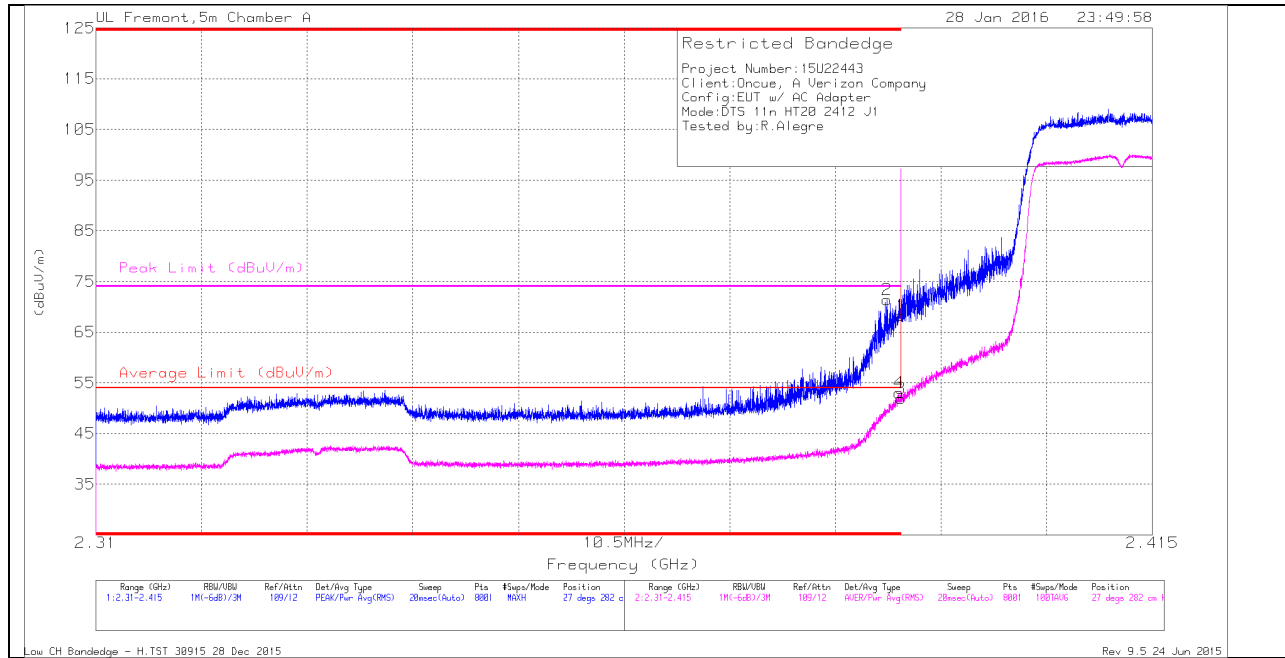
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 9.4. TX ABOVE 1 GHz 802.11n HT20 CDD SISO MODE IN THE 2.4 GHz BAND

#### RESTRICTED BANDEDGE (CHANNEL 1)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

#### Trace Markers

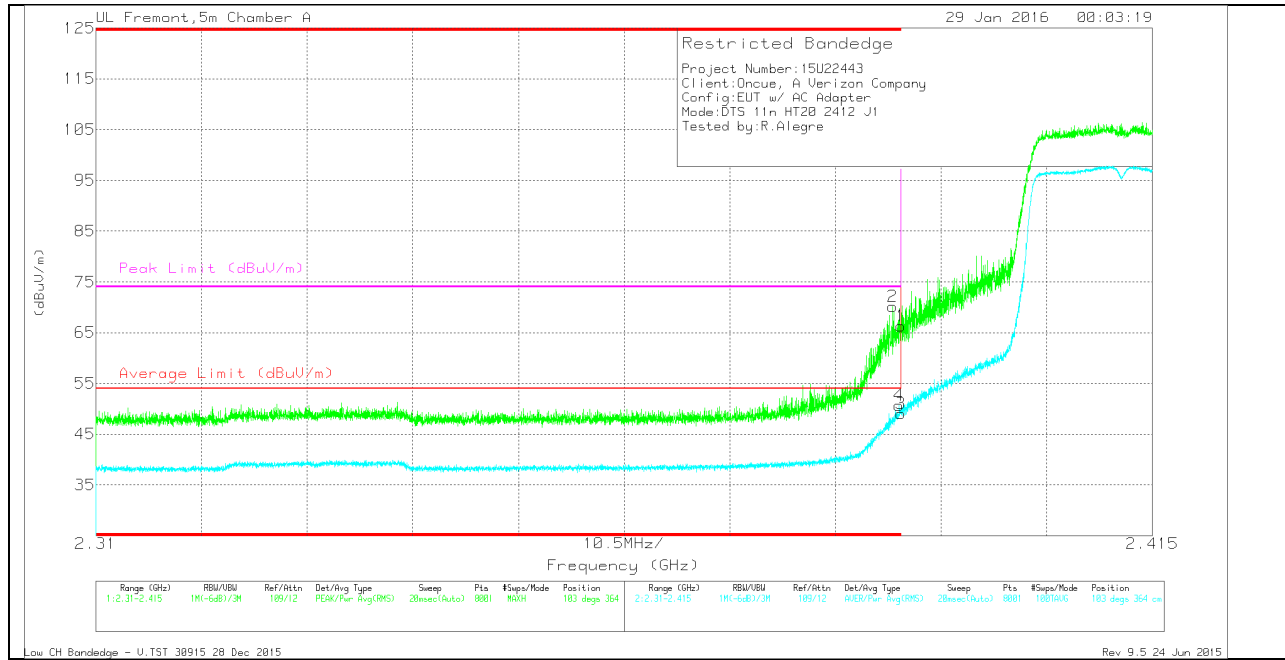
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	59.3	Pk	32	-19.9	0	71.4	-	-	74	-2.6	27	282	H
3	* 2.39	39.8	RMS	32	-19.9	0	51.9	54	-2.1	-	-	27	282	H
1	* 2.39	56.19	Pk	32	-19.9	0	68.29	-	-	74	-5.71	27	282	H
4	* 2.39	40.87	RMS	32	-19.9	0	52.97	54	-1.03	-	-	27	282	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	58.11	Pk	32	-19.9	0	70.21	-	-	74	-3.79	103	364	V
3	* 2.39	36.97	RMS	32	-19.9	0	49.07	54	-4.93	-	-	103	364	V
1	* 2.39	54.22	Pk	32	-19.9	0	66.32	-	-	74	-7.68	103	364	V
4	* 2.39	38.51	RMS	32	-19.9	0	50.61	54	-3.39	-	-	103	364	V

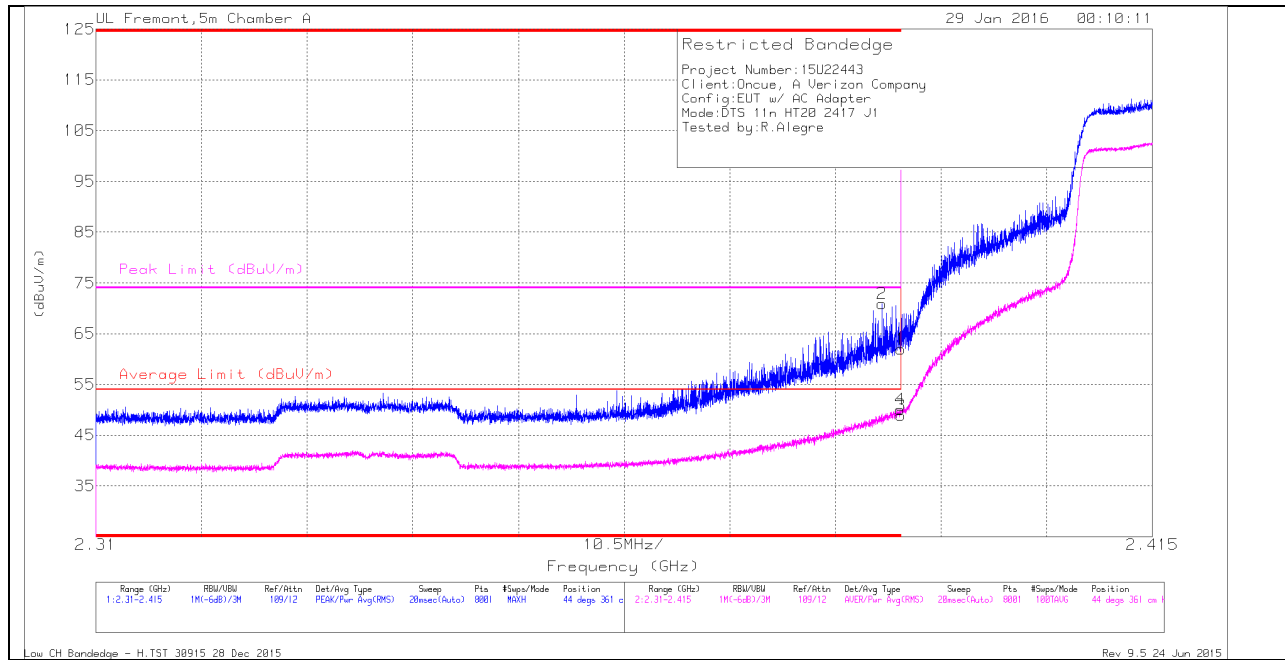
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 2)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

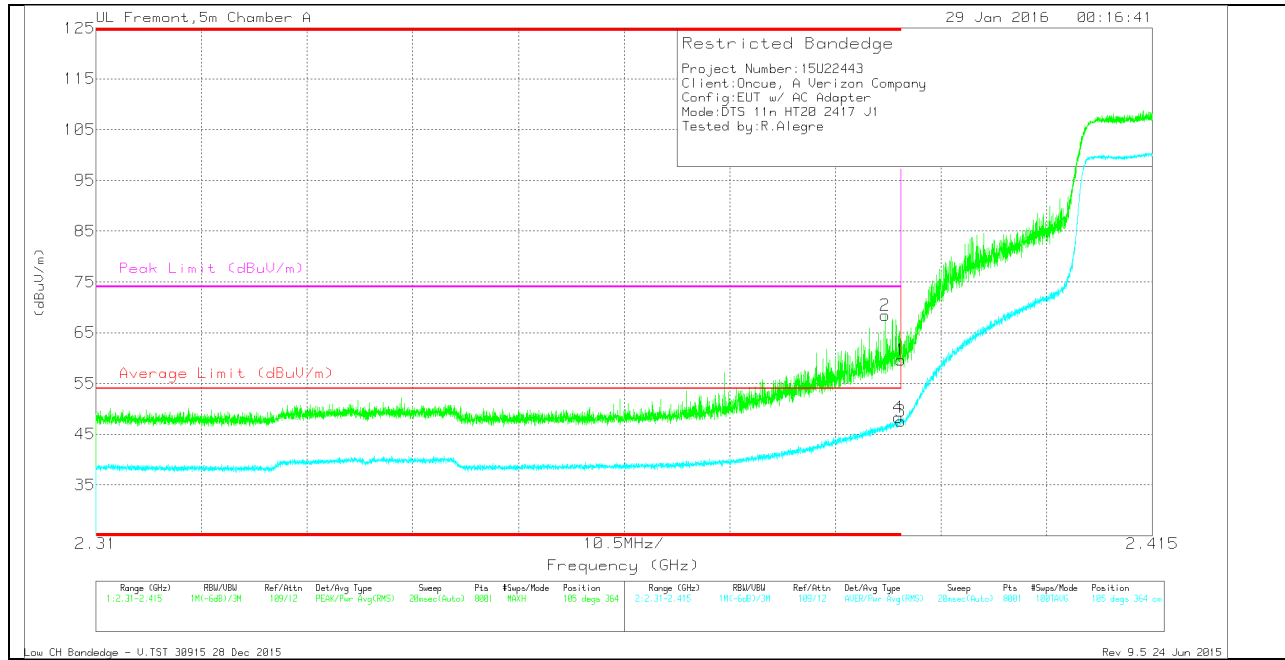
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.388	58.83	Pk	32	-19.9	0	70.93	-	-	74	-3.07	44	361	H
3	* 2.39	36.77	RMS	32	-19.9	0	48.87	54	-5.13	-	-	44	361	H
1	* 2.39	49.84	Pk	32	-19.9	0	61.94	-	-	74	-12.06	44	361	H
4	* 2.39	37.94	RMS	32	-19.9	0	50.04	54	-3.96	-	-	44	361	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.388	56.36	Pk	32	-19.9	0	68.46	-	-	74	-5.54	105	364	V
3	* 2.39	35.42	RMS	32	-19.9	0	47.52	54	-6.48	-	-	105	364	V
1	* 2.39	47.56	Pk	32	-19.9	0	59.66	-	-	74	-14.34	105	364	V
4	* 2.39	36.15	RMS	32	-19.9	0	48.25	54	-5.75	-	-	105	364	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

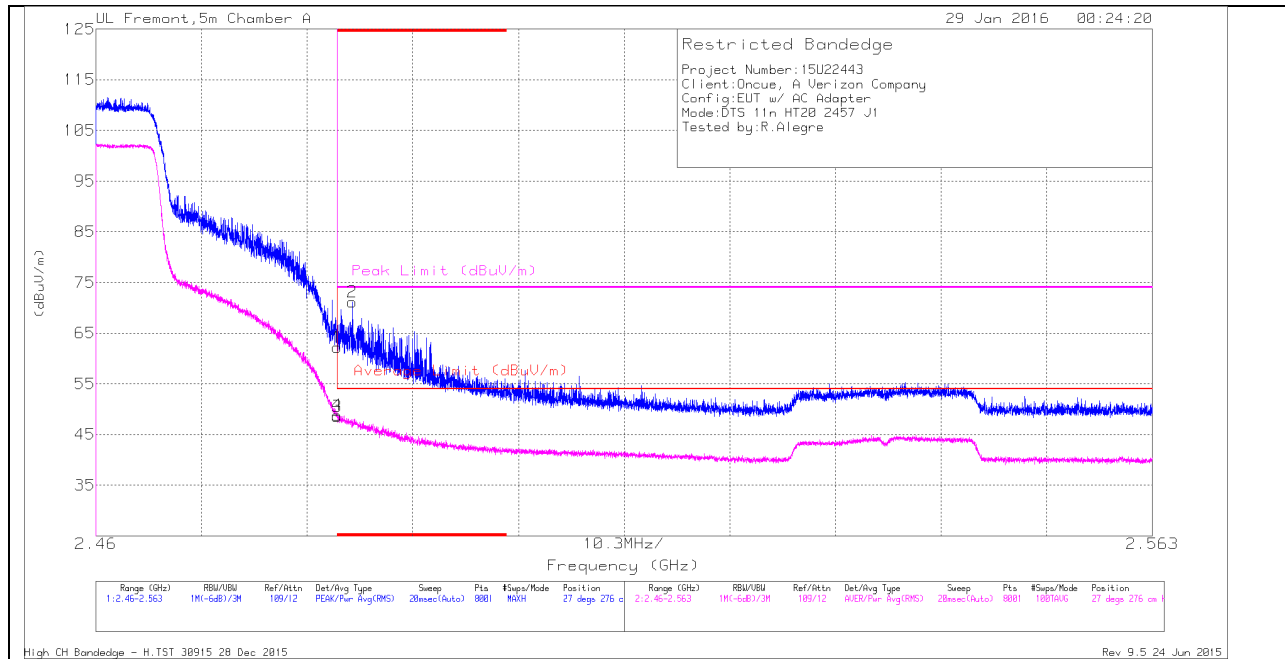
Pk - Peak detector

RMS - RMS detection



**AUTHORIZED BANDEDGE (CHANNEL 10)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

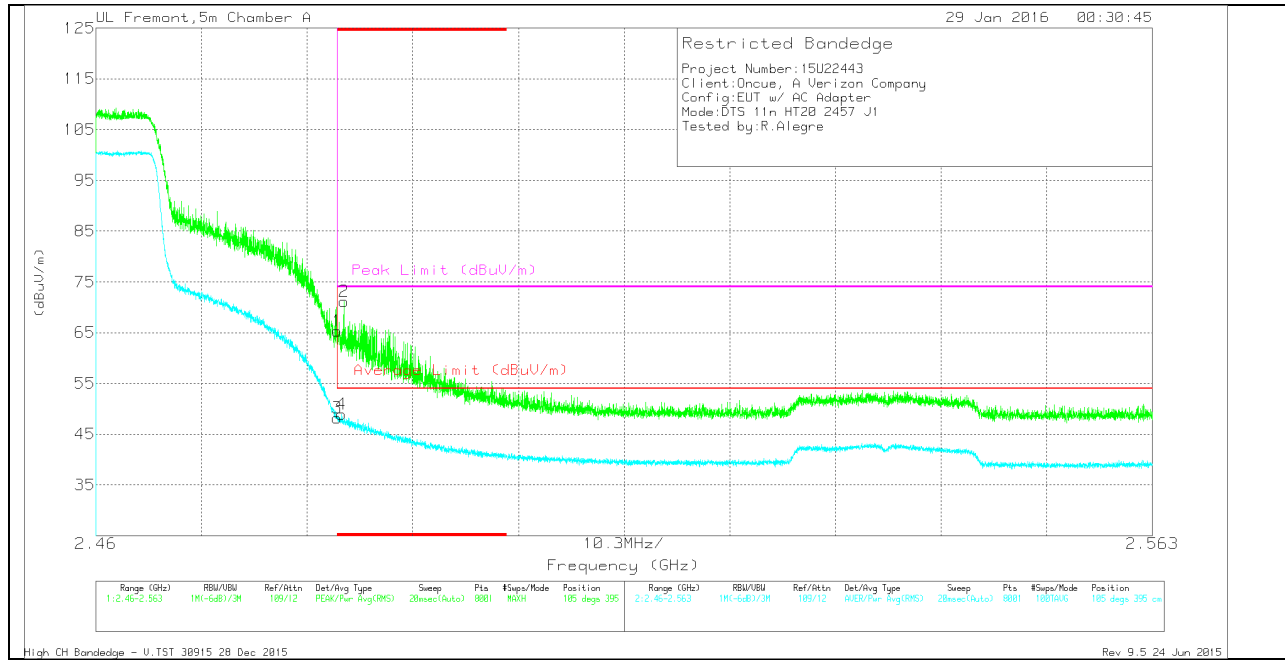
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.1	Pk	32.1	-20	0	62.2	-	-	74	-11.8	27	276	H
3	* 2.484	36.49	RMS	32.1	-20	0	48.59	54	-5.41	-	-	27	276	H
2	* 2.485	59.07	Pk	32.1	-20	0	71.17	-	-	74	-2.83	27	276	H
4	* 2.484	36.73	RMS	32.1	-20	0	48.83	54	-5.17	-	-	27	276	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.22	Pk	32.1	-20	0	65.32	-	-	74	-8.68	105	395	V
3	* 2.484	36.13	RMS	32.1	-20	0	48.23	54	-5.77	-	-	105	395	V
2	* 2.484	59.1	Pk	32.1	-20	0	71.2	-	-	74	-2.8	105	395	V
4	* 2.484	36.79	RMS	32.1	-20	0	48.89	54	-5.11	-	-	105	395	V

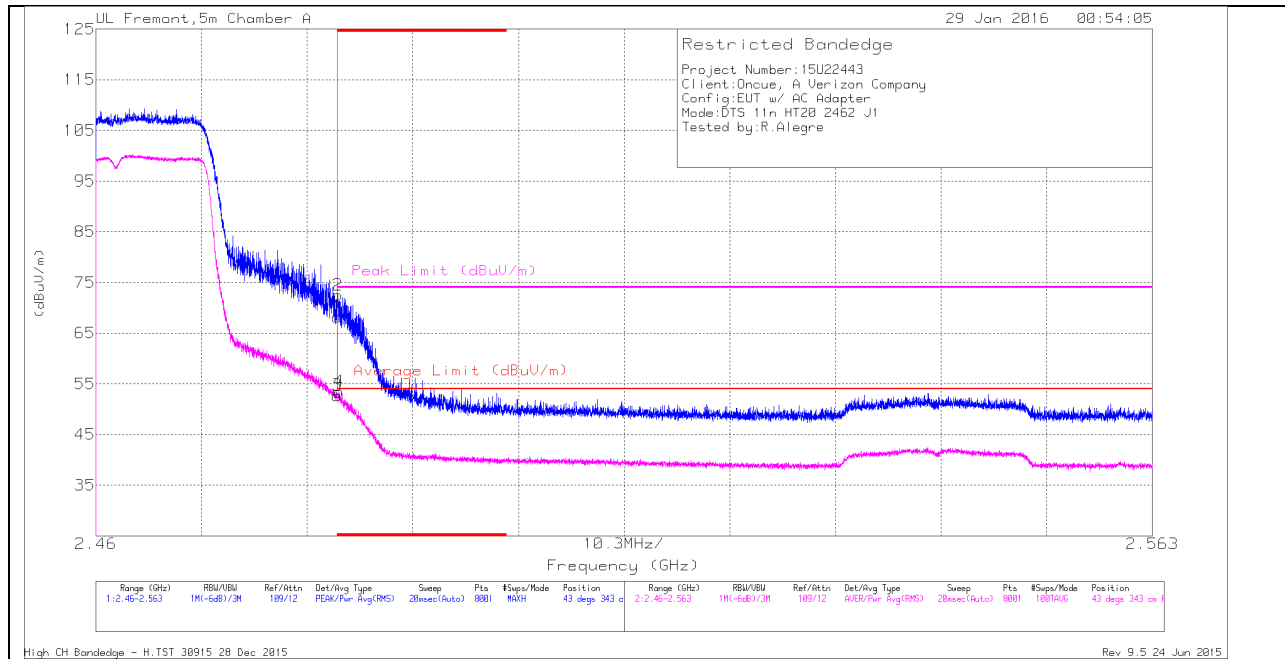
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEGE (CHANNEL 11)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

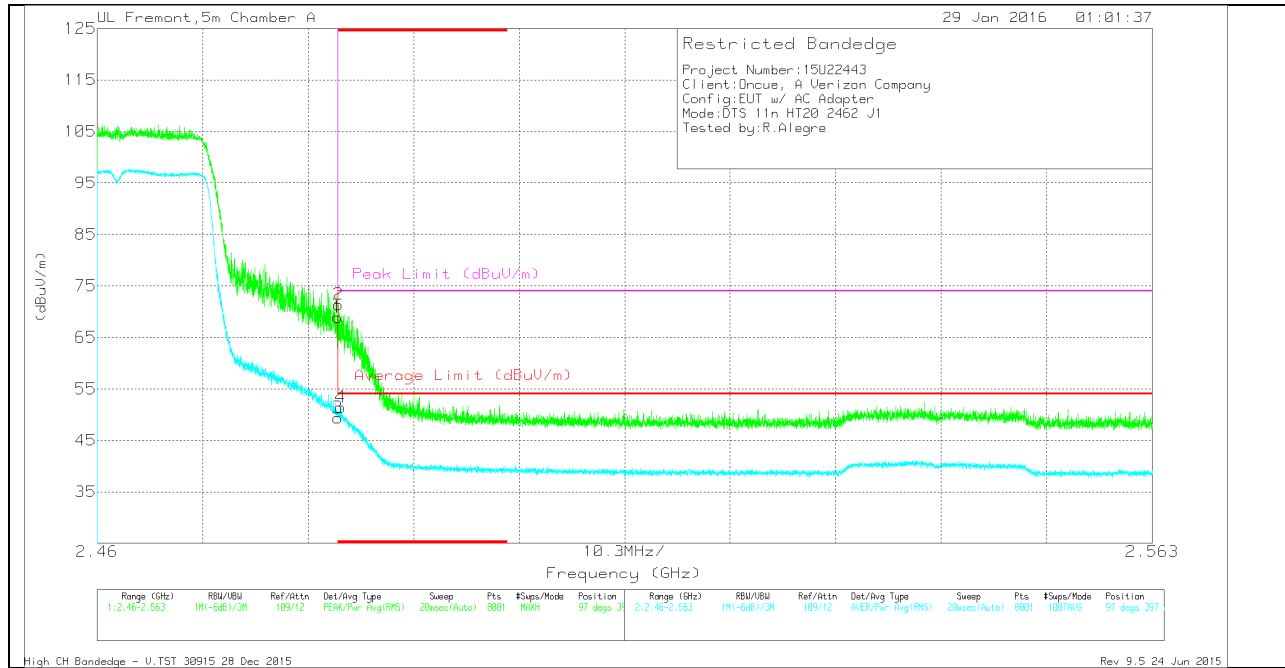
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	56.05	Pk	32.1	-20	0	68.15	-	-	74	-5.85	43	343	H
3	* 2.484	40.61	RMS	32.1	-20	0	52.71	54	-1.29	-	-	43	343	H
2	* 2.484	60.37	Pk	32.1	-20	0	72.47	-	-	74	-1.53	43	343	H
4	* 2.484	41.36	RMS	32.1	-20	0	53.46	54	-54	-	-	43	343	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	56.81	Pk	32.1	-20	0	68.91	-	-	74	-5.09	97	397	V
3	* 2.484	37.29	RMS	32.1	-20	0	49.39	54	-4.61	-	-	97	397	V
2	* 2.484	59.3	Pk	32.1	-20	0	71.4	-	-	74	-2.6	97	397	V
4	* 2.484	39.36	RMS	32.1	-20	0	51.46	54	-2.54	-	-	97	397	V

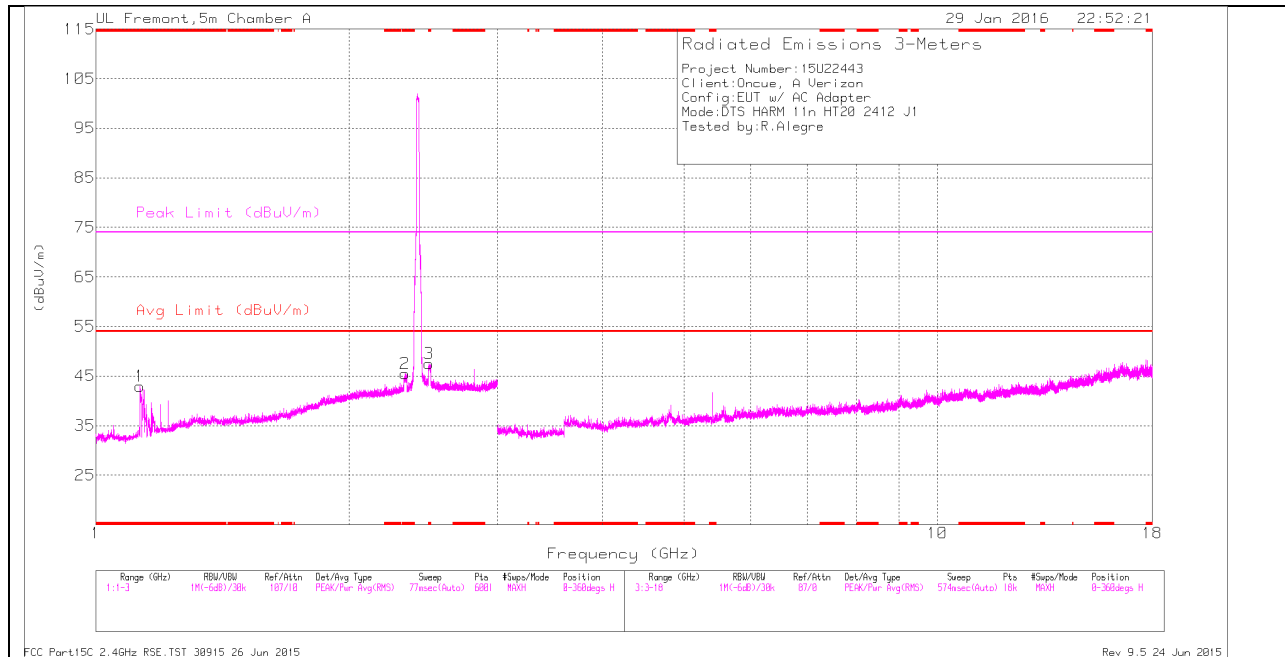
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

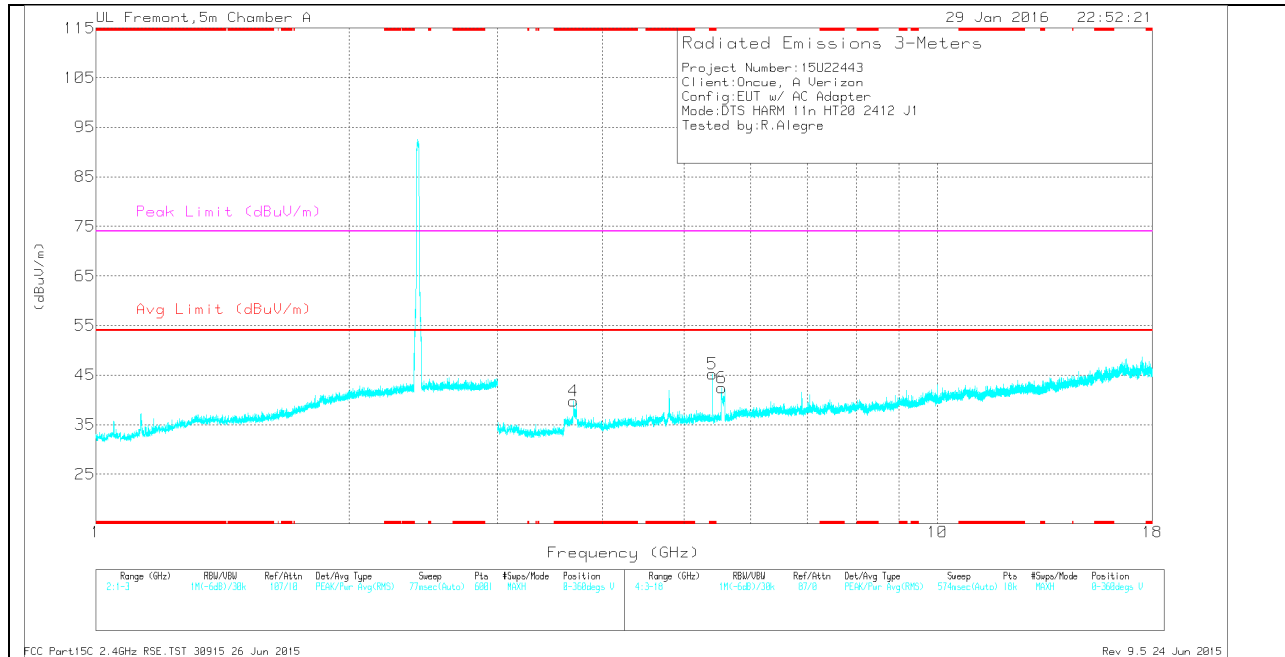
### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL VERTICAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.128	37.58	Pk	27.5	-22.2	0	42.88	-	-	74	-31.12	0-360	101	H
2	* 2.33	33.4	Pk	31.9	-19.8	0	45.5	-	-	74	-28.5	0-360	101	H
3	* 2.486	35.45	Pk	32.1	-20	0	47.55	-	-	74	-26.45	0-360	101	H
4	* 3.693	38.09	Pk	33.2	-31.5	0	39.79	-	-	74	-34.21	0-360	200	V
5	* 5.4	40.01	Pk	34.6	-29.4	0	45.21	-	-	74	-28.79	0-360	100	V
6	5.537	36.71	Pk	34.5	-28.8	0	42.41	-	-	-	-	0-360	200	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

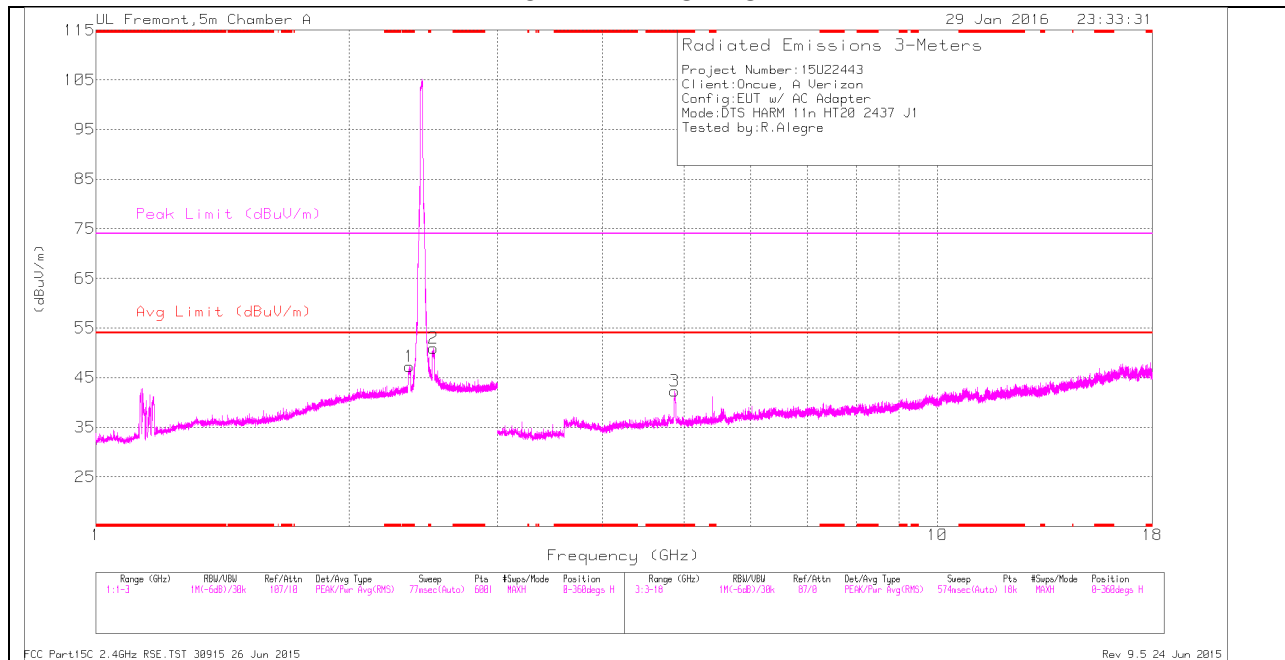
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.129	31.33	PK2	27.5	-22.2	0	36.63	-	-	74	-37.37	59	103	H
* 1.129	27.11	MAV1	27.5	-22.2	0	32.41	54	-21.59	-	-	59	103	H
* 2.33	37.23	PK2	31.9	-19.8	0	49.33	-	-	74	-24.67	44	109	H
* 2.331	30.91	MAV1	31.9	-19.8	0	43.01	54	-10.99	-	-	44	109	H
* 2.487	38.87	PK2	32.1	-20	0	50.97	-	-	74	-23.03	47	126	H
* 2.485	32.51	MAV1	32.1	-20	0	44.61	54	-9.39	-	-	47	126	H
* 3.693	42.88	PK2	33.2	-31.5	0	44.58	-	-	74	-29.42	16	245	V
* 3.693	33.62	MAV1	33.2	-31.5	0	35.32	54	-18.68	-	-	16	245	V
* 5.4	42.16	PK2	34.6	-29.4	0	47.36	-	-	74	-26.64	36	104	V
* 5.4	39.19	MAV1	34.6	-29.4	0	44.39	54	-9.61	-	-	36	104	V
5.539	39.95	PK2	34.5	-28.8	0	45.65	-	-	74	-28.35	329	227	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

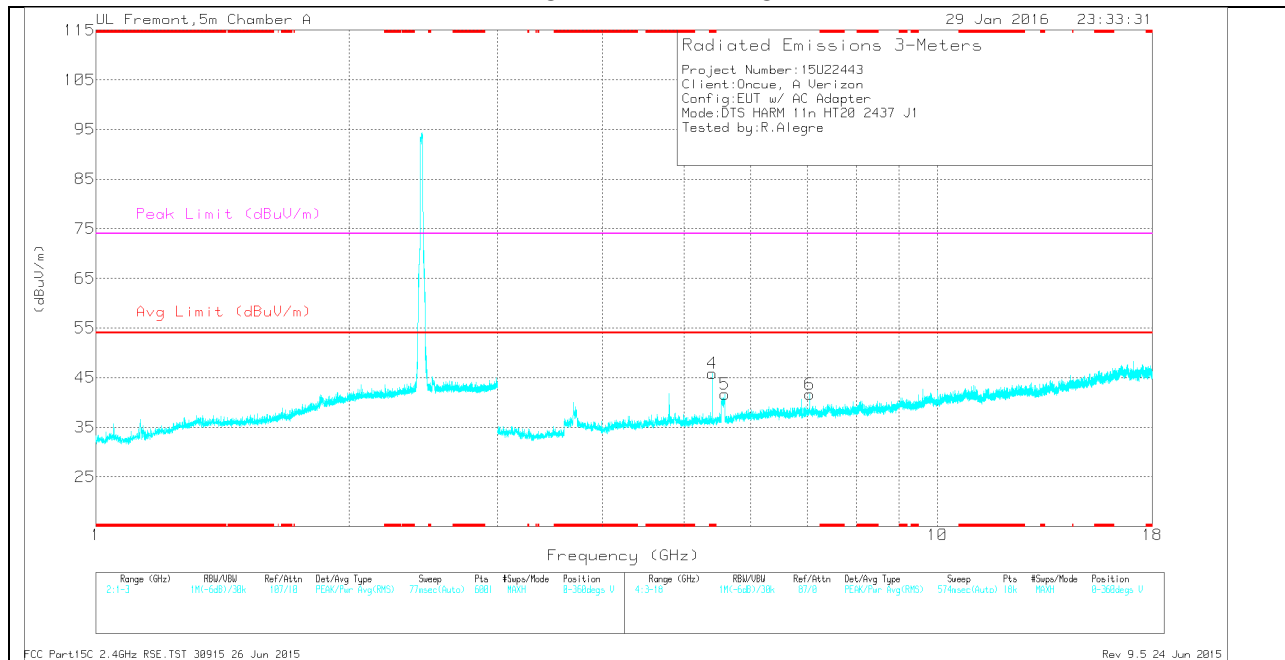
MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**MID CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.359	35.1	Pk	31.9	-19.8	0	47.2	-	-	74	-26.8	0-360	201	H
3	* 4.875	37.71	Pk	33.9	-29.3	0	42.31	-	-	74	-31.69	0-360	100	H
4	* 5.4	40.67	Pk	34.6	-29.4	0	45.87	-	-	74	-28.13	0-360	100	V
2	2.516	38.99	Pk	32.1	-20.1	0	50.99	-	-	-	-	0-360	100	H
5	5.587	36.34	Pk	34.5	-29.2	0	41.64	-	-	-	-	0-360	200	V
6	7.05	32.41	Pk	35.6	-26.3	0	41.71	-	-	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

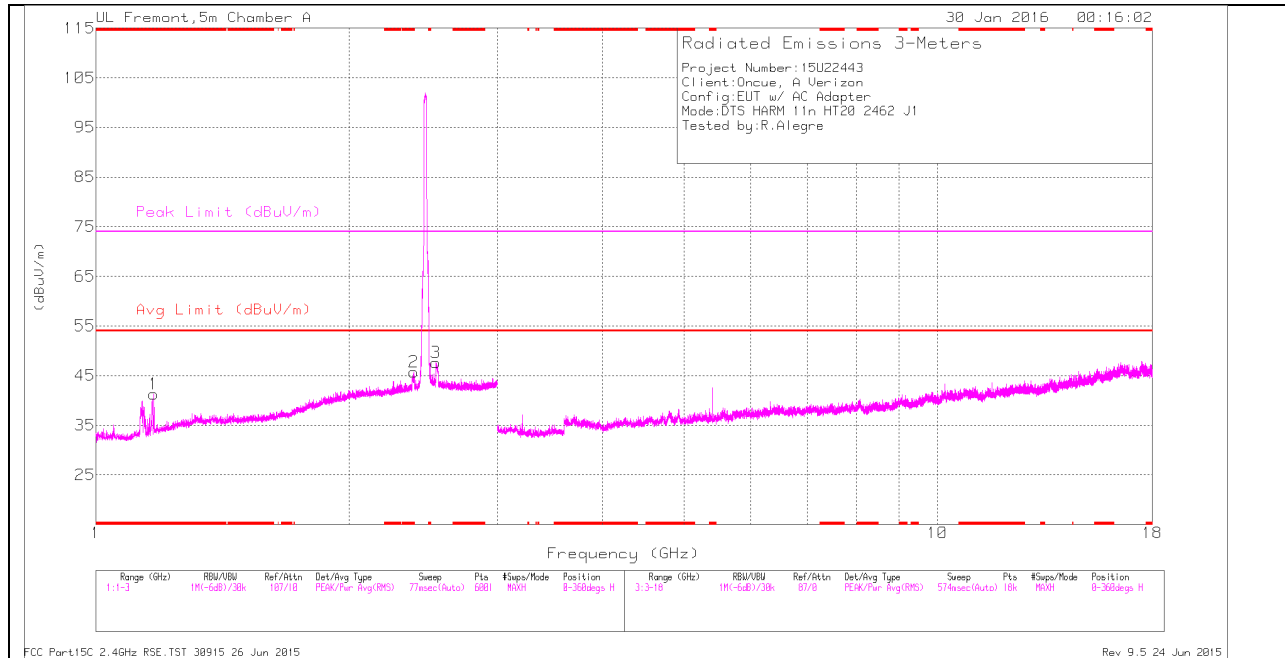
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.358	38.81	PK2	31.9	-19.8	0	50.91	-	-	74	-23.09	41	224	H
* 2.358	32.58	MAv1	31.9	-19.8	0	44.68	54	-9.32	-	-	41	224	H
* 4.874	41.53	PK2	33.9	-29.3	0	46.13	-	-	74	-27.87	293	127	H
* 4.873	34.3	MAv1	33.9	-29.3	0	38.9	54	-15.1	-	-	293	127	H
* 5.4	42.52	PK2	34.6	-29.4	0	47.72	-	-	74	-26.28	27	104	V
* 5.4	39.59	MAv1	34.6	-29.4	0	44.79	54	-9.21	-	-	27	104	V
2.516	42.36	PK2	32.1	-20.1	0	54.36	-	-	74	-19.64	37	218	H
5.589	41.97	PK2	34.5	-29.2	0	47.27	-	-	74	-26.73	329	246	V
7.05	30.37	PK2	35.6	-26.3	0	39.67	-	-	74	-34.33	300	207	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

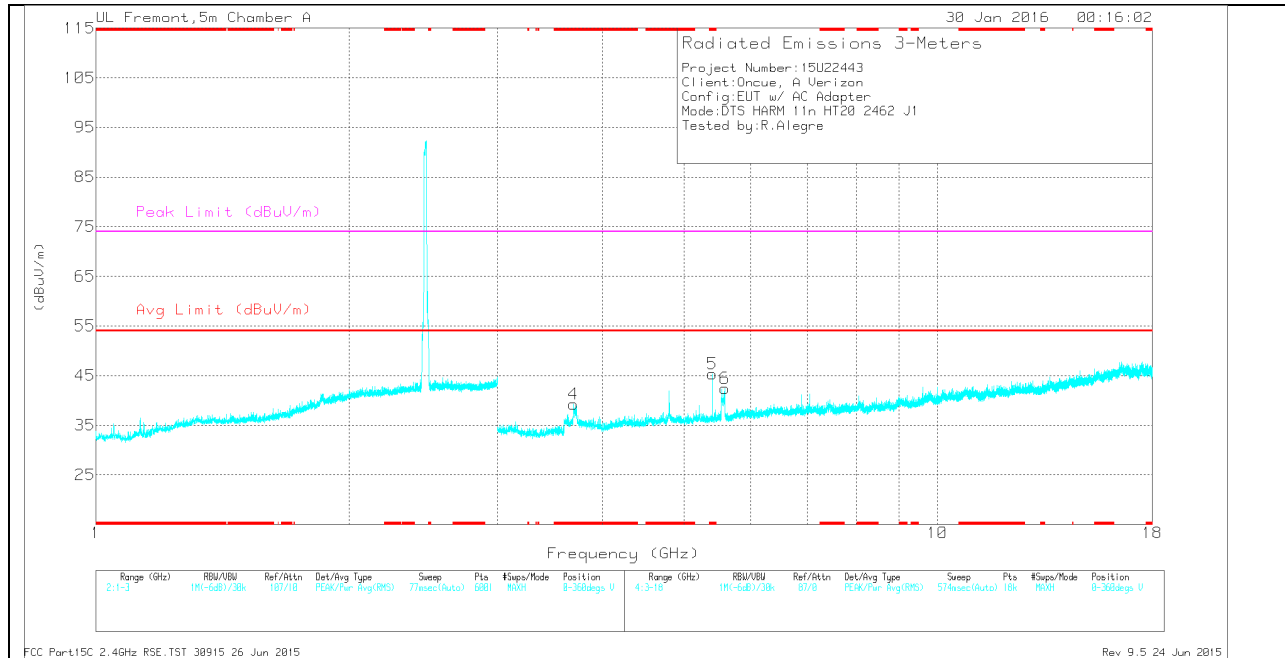
MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL HORIZONTAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**HIGH CHANNEL VERTICAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**HIGH CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.171	35.59	Pk	27.8	-22.1	0	41.29	-	-	74	-32.71	0-360	100	H
2	* 2.385	33.68	Pk	32	-19.9	0	45.78	-	-	74	-28.22	0-360	100	H
4	* 3.693	37.54	Pk	33.2	-31.5	0	39.24	-	-	74	-34.76	0-360	200	V
5	* 5.4	40.13	Pk	34.6	-29.4	0	45.33	-	-	74	-28.67	0-360	100	V
3	2.535	35.58	Pk	32.1	-20.1	0	47.58	-	-	-	-	0-360	201	H
6	5.588	37.07	Pk	34.5	-29.2	0	42.37	-	-	-	-	0-360	200	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.171	31.38	PK2	27.8	-22.1	0	37.08	-	-	74	-36.92	71	163	H
* 1.171	25.35	MAV1	27.8	-22.1	0	31.05	54	-22.95	-	-	71	163	H
* 2.384	36.21	PK2	31.9	-19.9	0	48.21	-	-	74	-25.79	31	210	H
* 2.385	29.79	MAV1	32	-19.9	0	41.89	54	-12.11	-	-	31	210	H
* 3.694	39.49	PK2	33.2	-31.5	0	41.19	-	-	74	-32.81	58	166	V
* 3.694	31.72	MAV1	33.2	-31.5	0	33.42	54	-20.58	-	-	58	166	V
* 5.4	41.79	PK2	34.6	-29.4	0	46.99	-	-	74	-27.01	57	105	V
* 5.4	38.75	MAV1	34.6	-29.4	0	43.95	54	-10.05	-	-	57	105	V
2.534	38.98	PK2	32.1	-20.1	0	50.98	-	-	74	-23.02	36	252	H
5.589	41.11	PK2	34.5	-29.2	0	46.41	-	-	74	-27.59	332	244	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

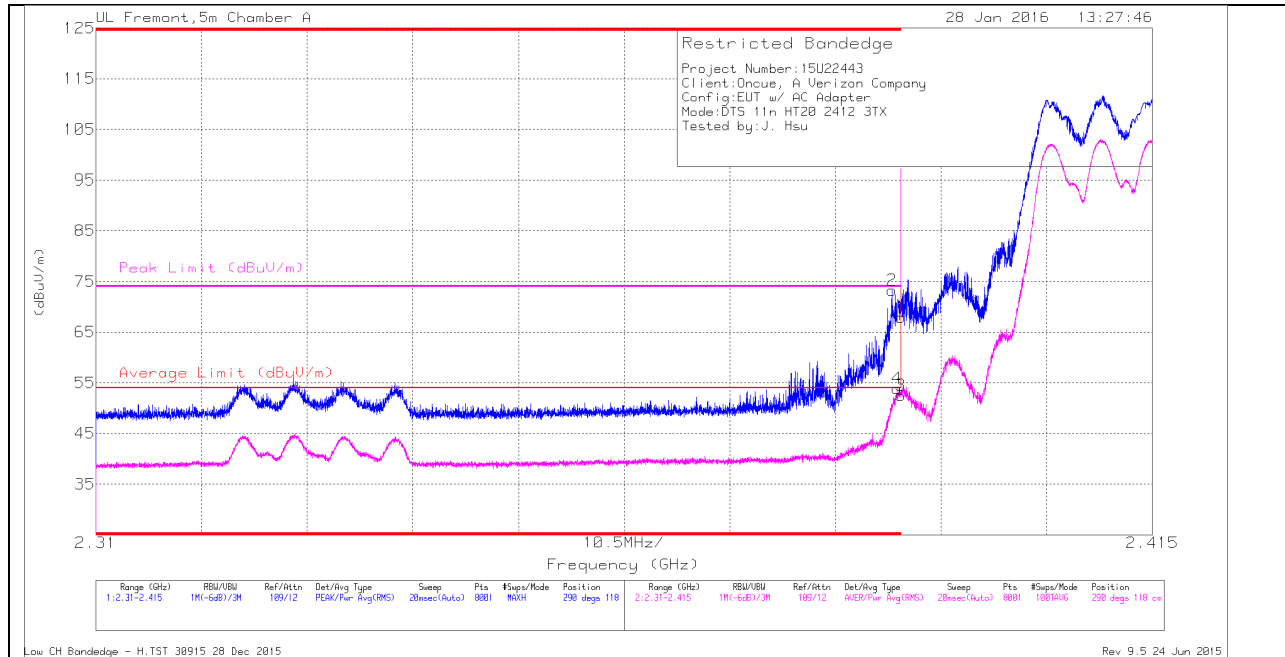
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

## 9.5. TX ABOVE 1 GHz 802.11n HT20 CDD 3TX MODE IN THE 2.4 GHz BAND

### RESTRICTED BANDEDGE (CHANNEL 1)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

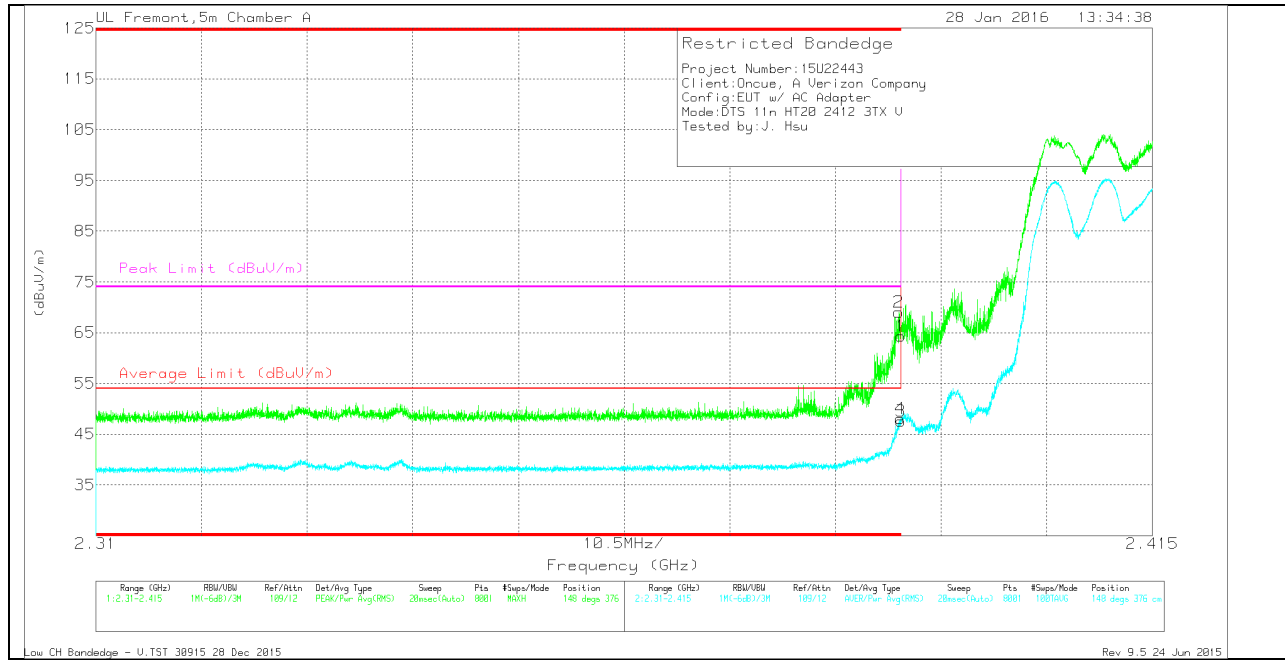
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.78	Pk	32	-19.9	0	67.88	-	-	74	-6.12	290	118	H
3	* 2.39	40.43	RMS	32	-19.9	0	52.53	-	-1.47	-	-	290	118	H
2	* 2.389	61.16	Pk	32	-19.9	0	73.26	-	-	74	-74	290	118	H
4	* 2.39	41.76	RMS	32	-19.9	0	53.86	54	-14	-	-	290	118	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.24	Pk	32	-19.9	0	64.34	-	-	74	-9.66	148	376	V
3	* 2.39	35.46	RMS	32	-19.9	0	47.56	54	-6.44	-	-	148	376	V
2	* 2.39	56.91	Pk	32	-19.9	0	69.01	-	-	74	-4.99	148	376	V
4	* 2.39	35.93	RMS	32	-19.9	0	48.03	54	-5.97	-	-	148	376	V

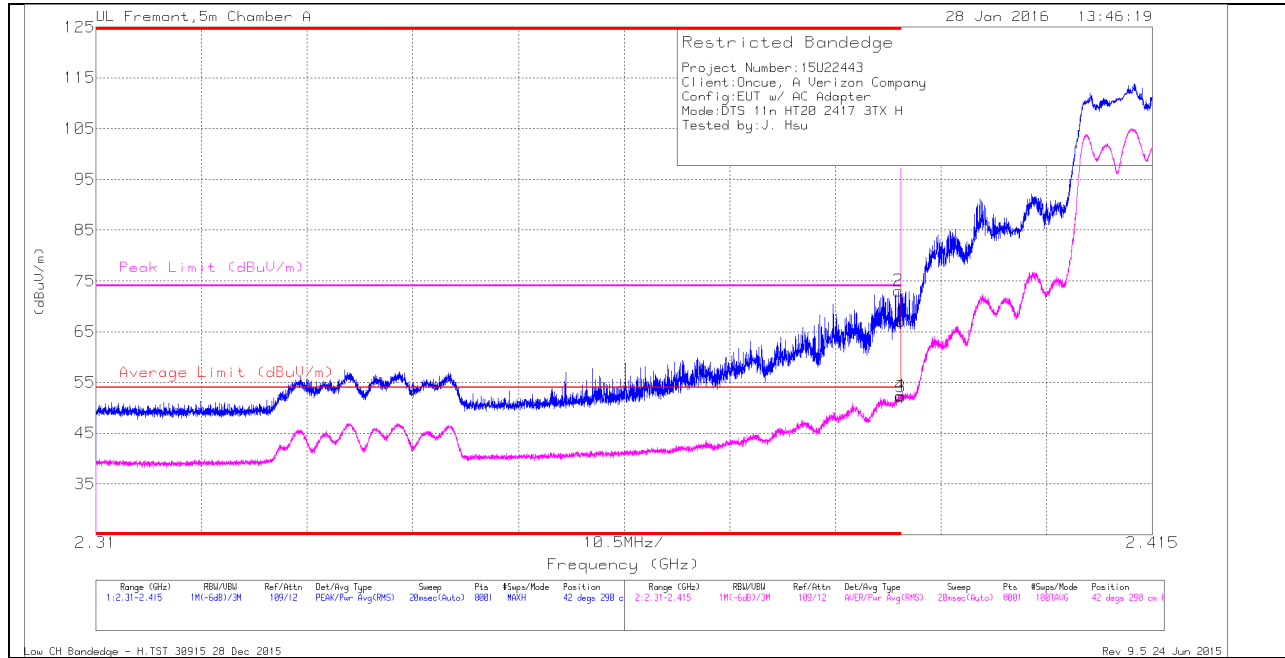
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 2)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	54.98	Pk	32	-19.9	67.08	-	-	74	-6.92	42	290	H
2	* 2.39	60.97	Pk	32	-19.9	73.07	-	-	74	-9.3	42	290	H
3	* 2.39	40.08	RMS	32	-19.9	52.18	54	-1.82	-	-	42	290	H
4	* 2.39	40.35	RMS	32	-19.9	52.45	54	-1.55	-	-	42	290	H

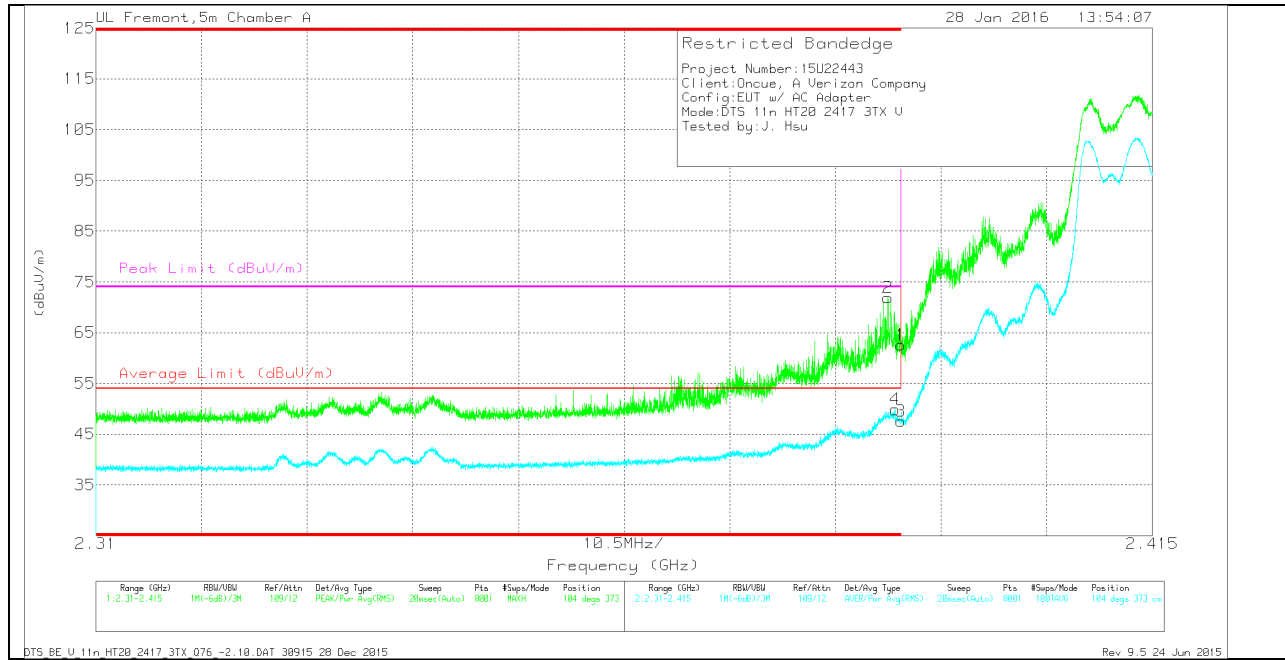
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	50.53	Pk	32	-19.9	0	62.63	-	-	74	-11.37	104	373	V
2	* 2.389	59.8	Pk	32	-19.9	0	71.9	-	-	74	-2.1	104	373	V
3	* 2.39	35.42	RMS	32	-19.9	0	47.52	54	-6.48	-	-	104	373	V
4	* 2.389	37.76	RMS	32	-19.9	0	49.86	54	-4.14	-	-	104	373	V

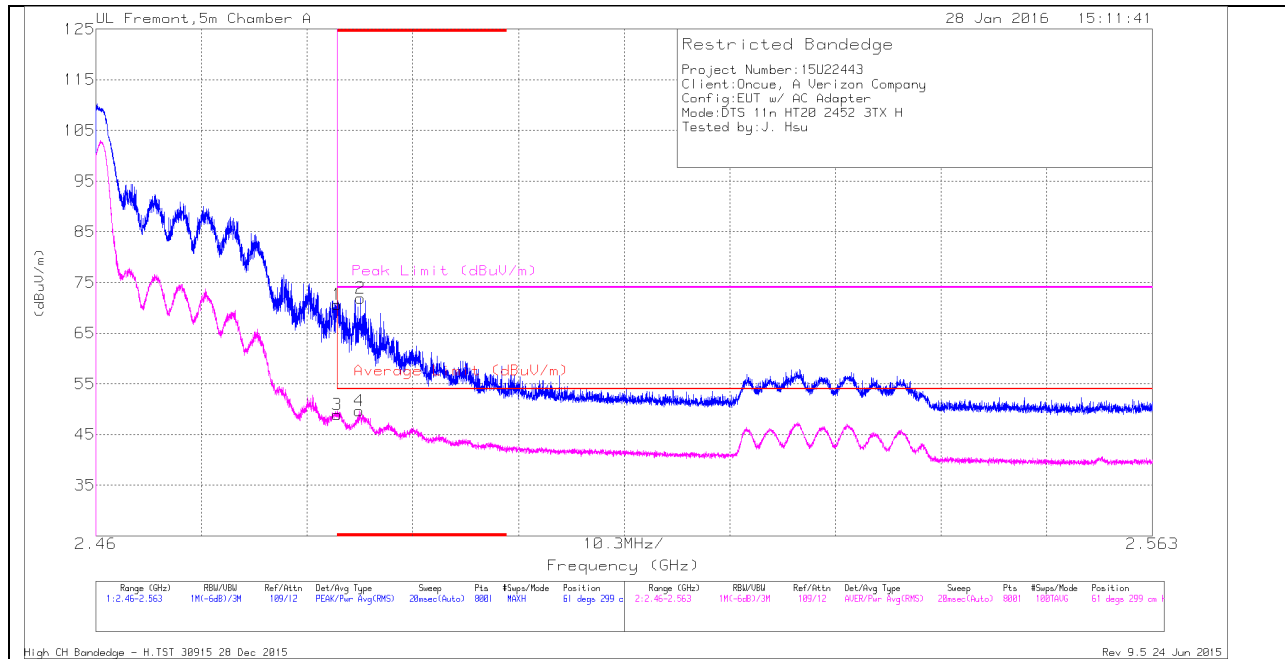
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 9)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

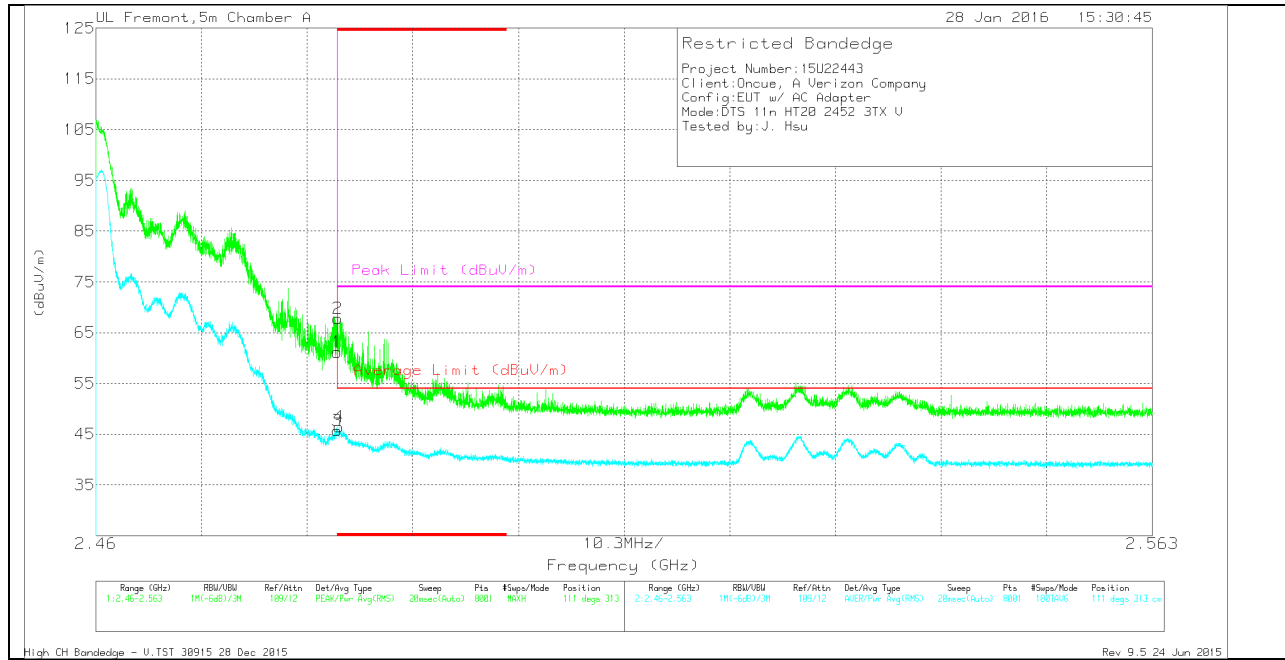
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	58.56	Pk	32.1	-20	0	70.66	-	-	74	-3.34	61	299	H
3	* 2.484	36.86	RMS	32.1	-20	0	48.96	54	-5.04	-	-	61	299	H
2	* 2.486	59.74	Pk	32.1	-20	0	71.84	-	-	74	-2.16	61	299	H
4	* 2.486	37.56	RMS	32.1	-20	0	49.66	54	-4.34	-	-	61	299	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.06	Pk	32.1	-20	0	61.16	-	-	74	-12.84	111	313	V
2	* 2.484	55.65	Pk	32.1	-20	0	67.75	-	-	74	-6.25	111	313	V
3	* 2.484	33.6	RMS	32.1	-20	0	45.7	54	-8.3	-	-	111	313	V
4	* 2.484	34.39	RMS	32.1	-20	0	46.49	54	-7.51	-	-	111	313	V

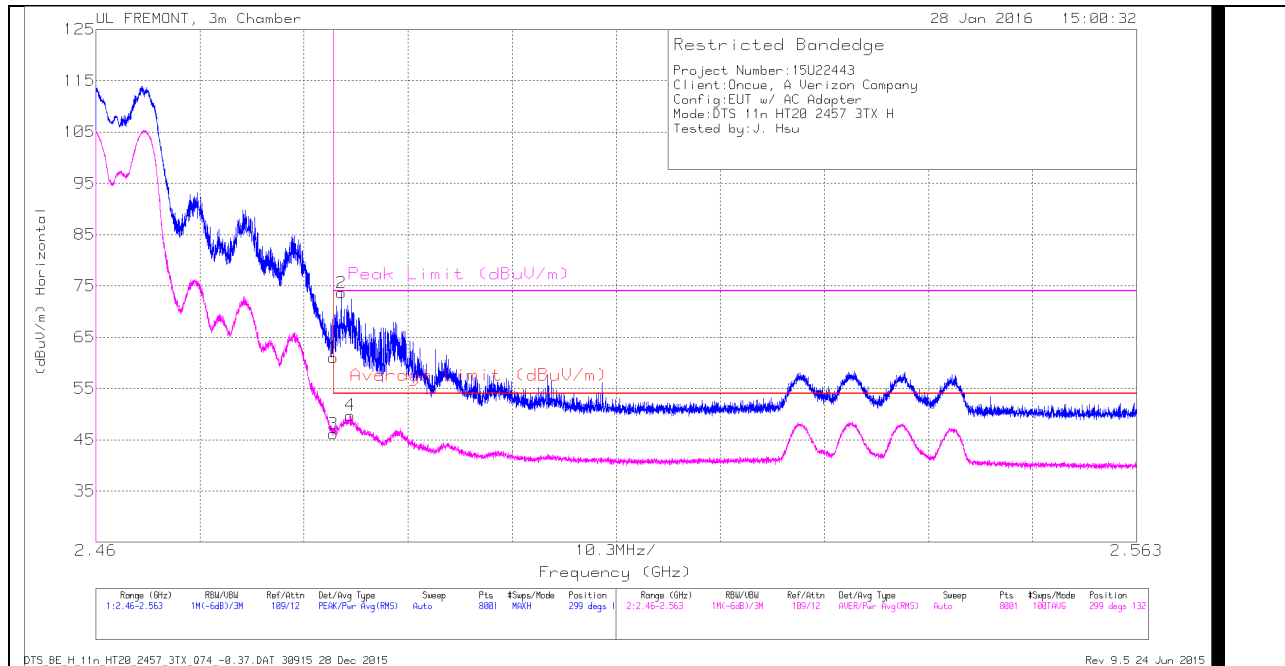
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 10)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

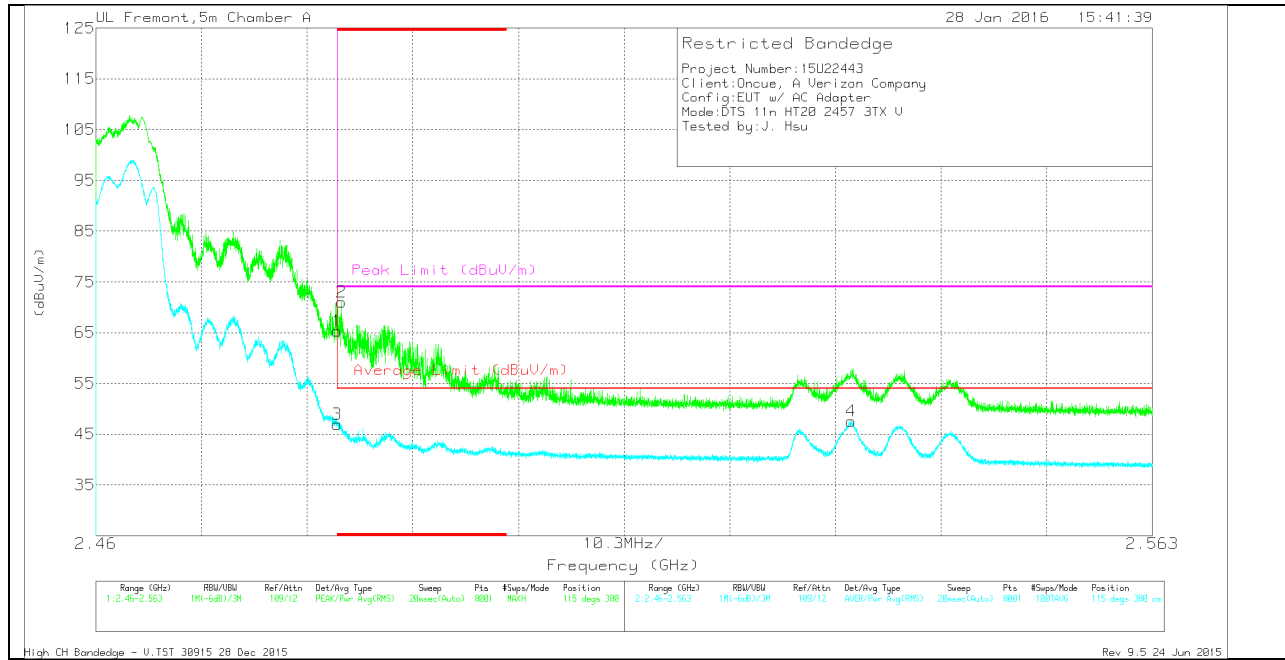
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.484	48.96	Pk	32.1	-20	0	61.06	-	-	74	-12.94	299	132	H
2	2.484	61.53	Pk	32.1	-20	0	73.63	-	-	74	-37	299	132	H
3	2.484	34.03	RMS	32.1	-20	0	46.13	54	-7.87	-	-	299	132	H
4	2.485	37.67	RMS	32.1	-20	0	49.77	54	-4.23	-	-	299	132	H

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.2	Pk	32.1	-20	0	65.3	-	-	74	-8.7	115	380	V
2	* 2.484	58.94	Pk	32.1	-20	0	71.04	-	-	74	-2.96	115	380	V
3	* 2.484	34.84	RMS	32.1	-20	0	46.94	54	-7.06	-	-	115	380	V
4	2.534	35.6	RMS	32.1	-20.1	0	47.6	54	-6.4	-	-	115	380	V

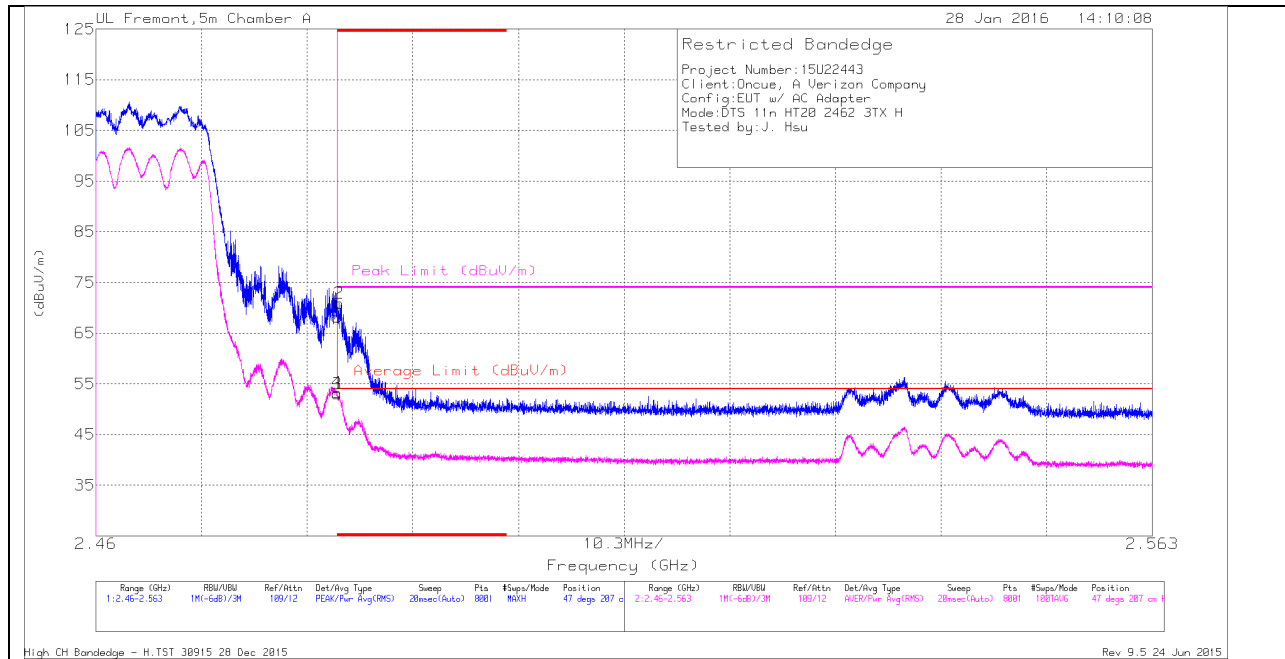
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 11)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

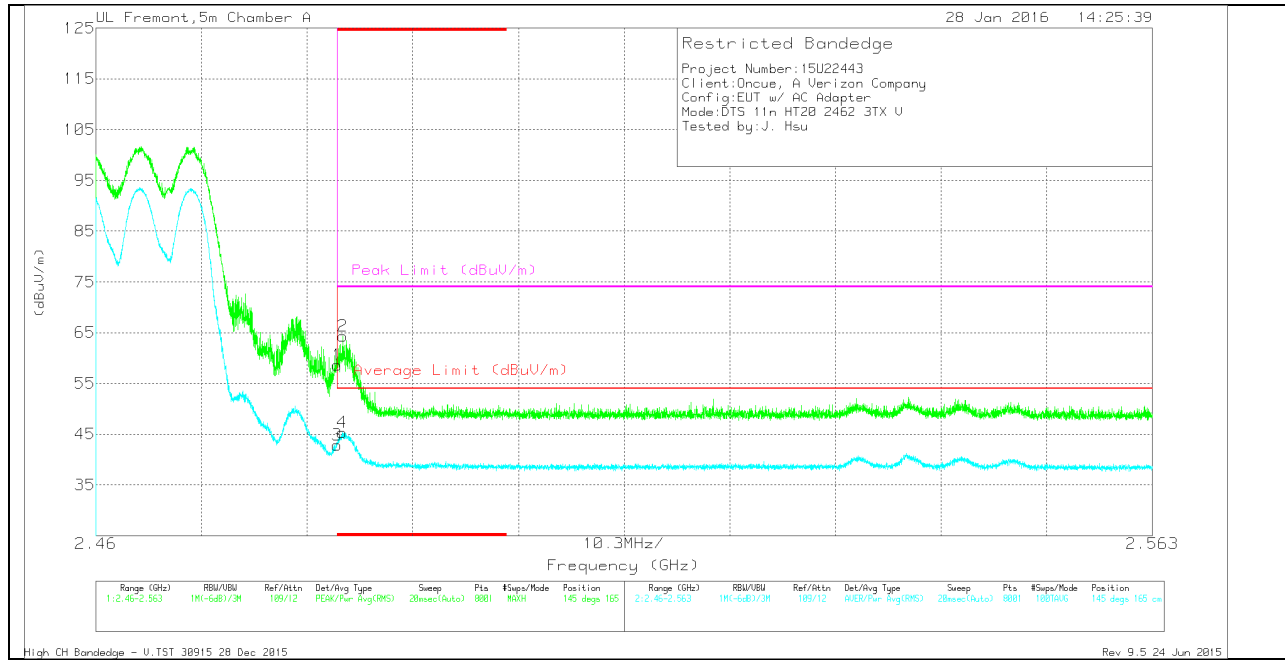
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	56.13	Pk	32.1	-20	0	68.23	-	-	74	-5.77	47	207	H
2	* 2.484	58.83	Pk	32.1	-20	0	70.93	-	-	74	-3.07	47	207	H
3	* 2.484	40.92	RMS	32.1	-20	0	53.02	54	-98	-	-	47	207	H
4	* 2.484	41.21	RMS	32.1	-20	0	53.31	54	-69	-	-	47	207	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.52	Pk	32.1	-20	0	58.62	-	-	74	-15.38	145	165	V
2	* 2.484	52.21	Pk	32.1	-20	0	64.31	-	-	74	-9.69	145	165	V
3	* 2.484	30.73	RMS	32.1	-20	0	42.83	54	-11.17	-	-	145	165	V
4	* 2.484	33.28	RMS	32.1	-20	0	45.38	54	-8.62	-	-	145	165	V

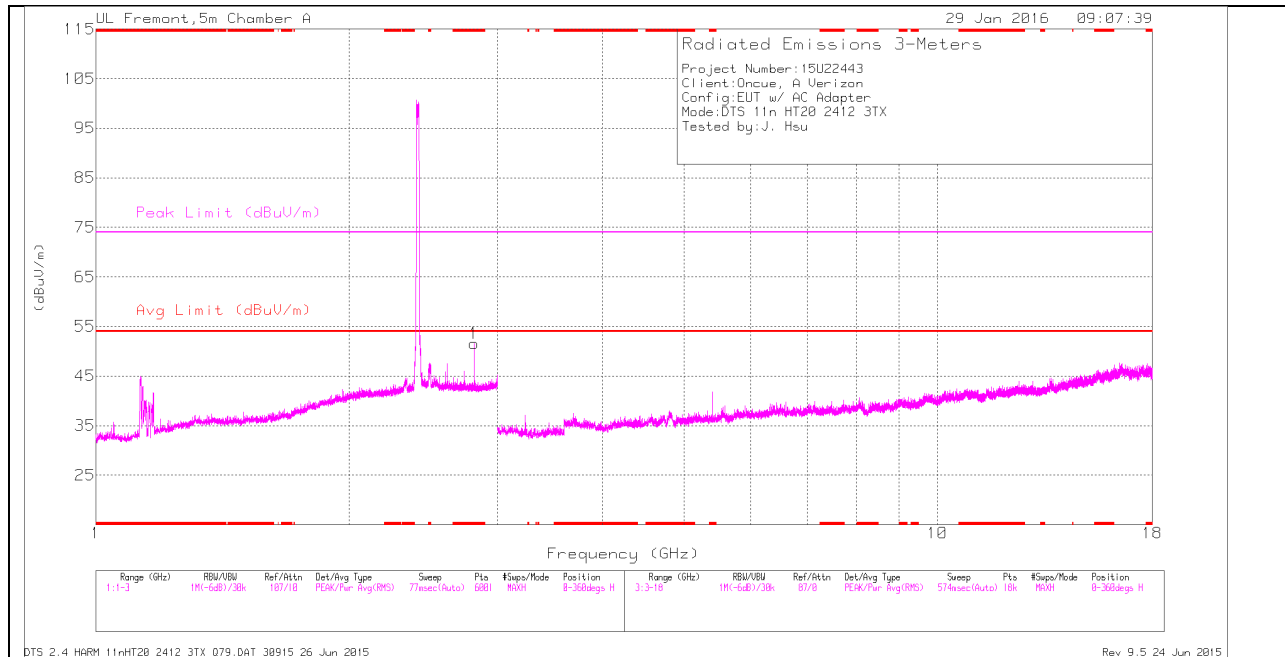
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

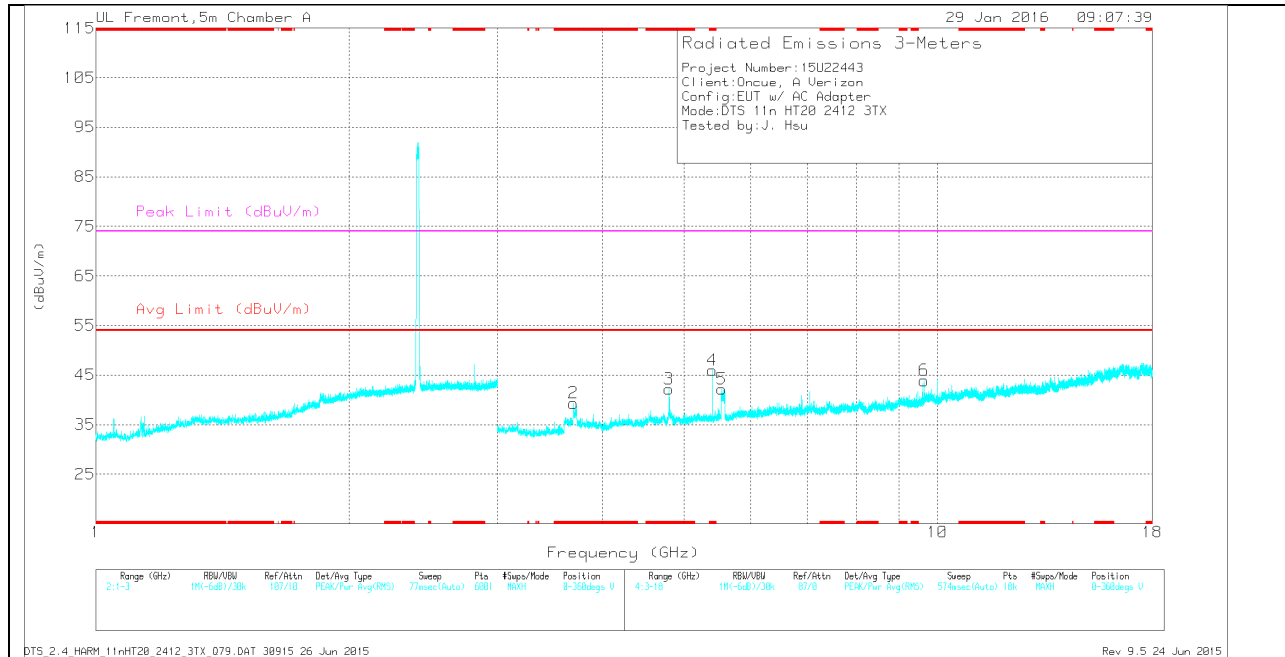
**LOW CHANNEL HORIZONTAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.814	39.5	Pk	32.5	-20.4	0	51.6	-	-	74	-22.4	0-360	100	H
2	* 3.693	37.62	Pk	33.2	-31.5	0	39.32	-	-	74	-34.68	0-360	200	V
3	* 4.8	37.99	Pk	34	-29.8	0	42.19	-	-	74	-31.81	0-360	100	V
4	* 5.4	40.82	Pk	34.6	-29.4	0	46.02	-	-	74	-27.98	0-360	100	V
5	5.538	36.52	Pk	34.5	-28.8	0	42.22	-	-	-	-	0-360	200	V
6	9.647	30.69	Pk	36.7	-23.5	0	43.89	-	-	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

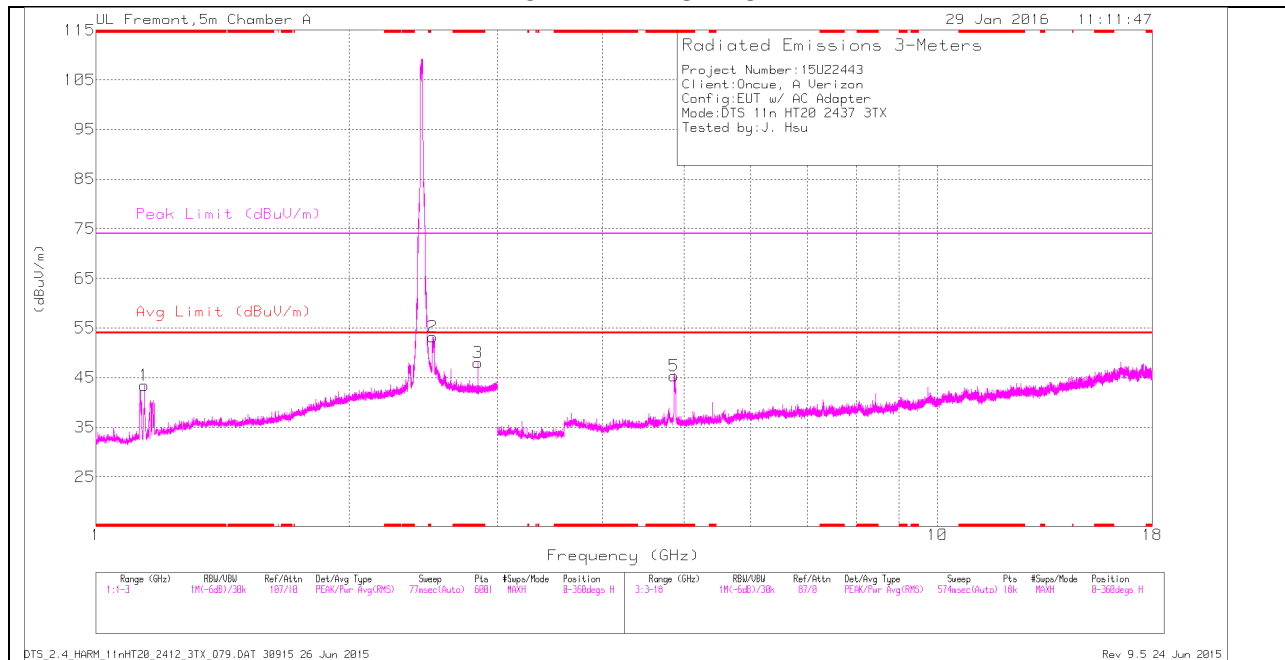
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.814	43.52	PK2	32.5	-20.4	0	55.62	-	-	74	-18.38	339	192	H
* 2.814	38.09	MAv1	32.5	-20.4	0	50.19	54	-3.81	-	-	339	192	H
* 3.693	49.46	PK2	33.2	-31.5	0	51.16	-	-	74	-22.84	350	346	V
* 3.693	33.73	MAv1	33.2	-31.5	0	35.43	54	-18.57	-	-	350	346	V
* 4.8	43.66	PK2	34	-29.8	0	47.86	-	-	74	-26.14	116	110	V
* 4.8	34.21	MAv1	34	-29.8	0	38.41	54	-15.59	-	-	116	110	V
* 5.4	44.99	PK2	34.6	-29.4	0	50.19	-	-	74	-23.81	32	111	V
* 5.4	39.7	MAv1	34.6	-29.4	0	44.9	54	-9.1	-	-	32	111	V
5.54	47.93	PK2	34.5	-28.8	0	53.63	-	-	74	-20.37	342	295	V
9.648	36.97	PK2	36.7	-23.4	0	50.27	-	-	74	-23.73	351	303	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

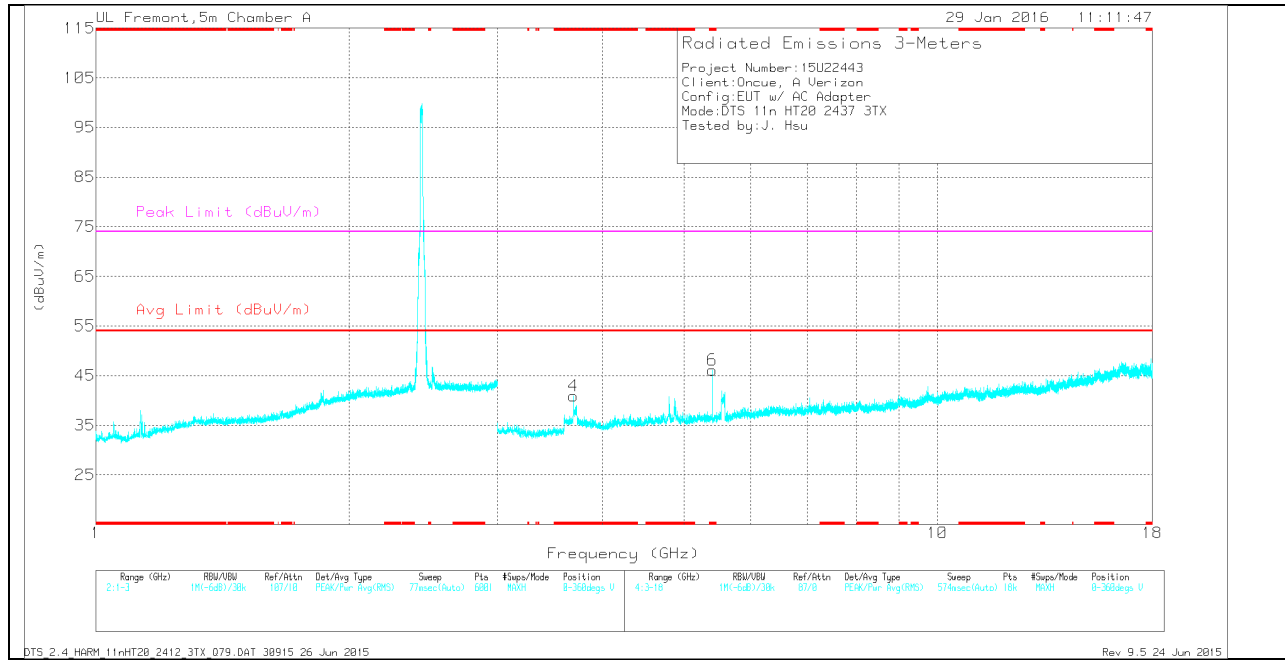
MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**MID CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.142	38.08	Pk	27.6	-22.2	0	43.48	-	-	74	-30.52	0-360	201	H
3	* 2.843	35.93	Pk	32.5	-20.4	0	48.03	-	-	74	-25.97	0-360	201	H
5	* 4.866	40.69	Pk	33.9	-29.2	0	45.39	-	-	74	-28.61	0-360	100	H
4	* 3.693	39.19	Pk	33.2	-31.5	0	40.89	-	-	74	-33.11	0-360	200	V
6	* 5.4	40.9	Pk	34.6	-29.4	0	46.1	-	-	74	-27.9	0-360	100	V
2	2.513	41.27	Pk	32.1	-20.1	0	53.27	-	-	-	-	0-360	100	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

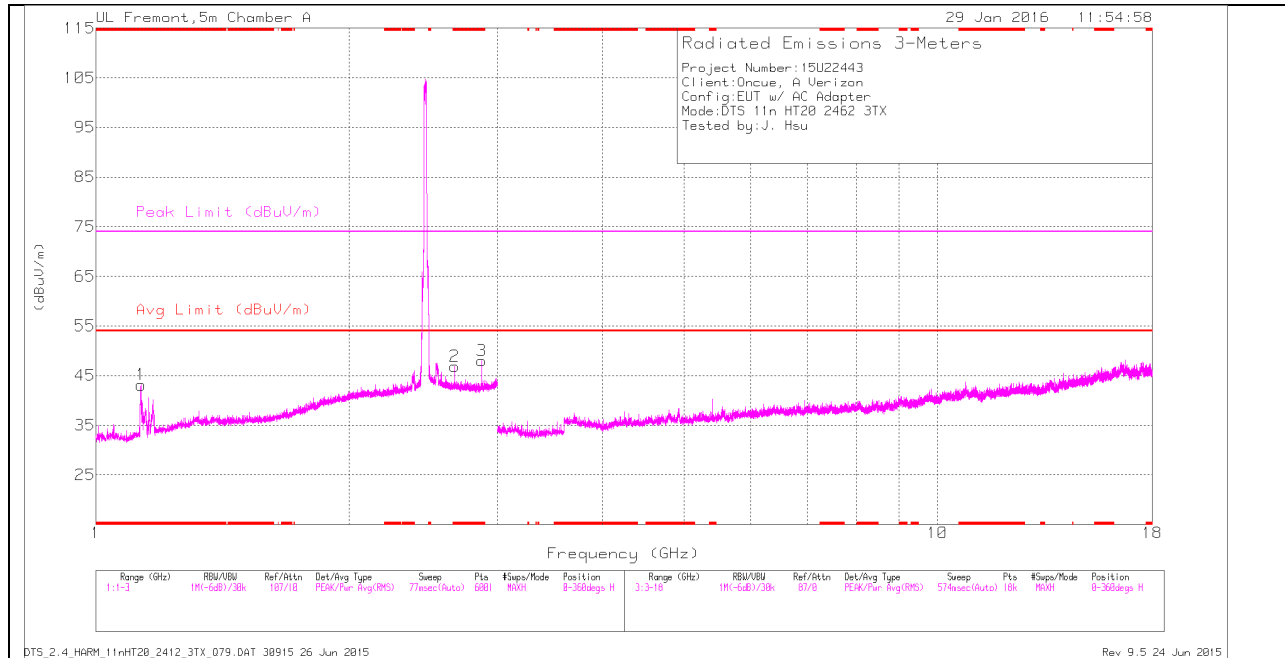
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.141	44.26	PK2	27.6	-22.2	0	49.66	-	-	74	-24.34	44	222	H
* 1.142	25.77	MAv1	27.6	-22.2	0	31.17	54	-22.83	-	-	44	222	H
* 2.843	41.24	PK2	32.5	-20.4	0	53.34	-	-	74	-20.66	338	237	H
* 2.843	34.24	MAv1	32.5	-20.4	0	46.34	54	-7.66	-	-	338	237	H
* 4.865	50.1	PK2	33.9	-29.3	0	54.7	-	-	74	-19.3	327	143	H
* 4.864	33.92	MAv1	33.9	-29.3	0	38.52	54	-15.48	-	-	327	143	H
* 3.693	47.7	PK2	33.2	-31.5	0	49.4	-	-	74	-24.6	15	260	V
* 3.693	33.17	MAv1	33.2	-31.5	0	34.87	54	-19.13	-	-	15	260	V
* 5.4	45.26	PK2	34.6	-29.4	0	50.46	-	-	74	-23.54	54	100	V
* 5.4	39.35	MAv1	34.6	-29.4	0	44.55	54	-9.45	-	-	54	100	V
2.512	50.69	PK2	32.1	-20.1	0	62.69	-	-	74	-11.31	45	119	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

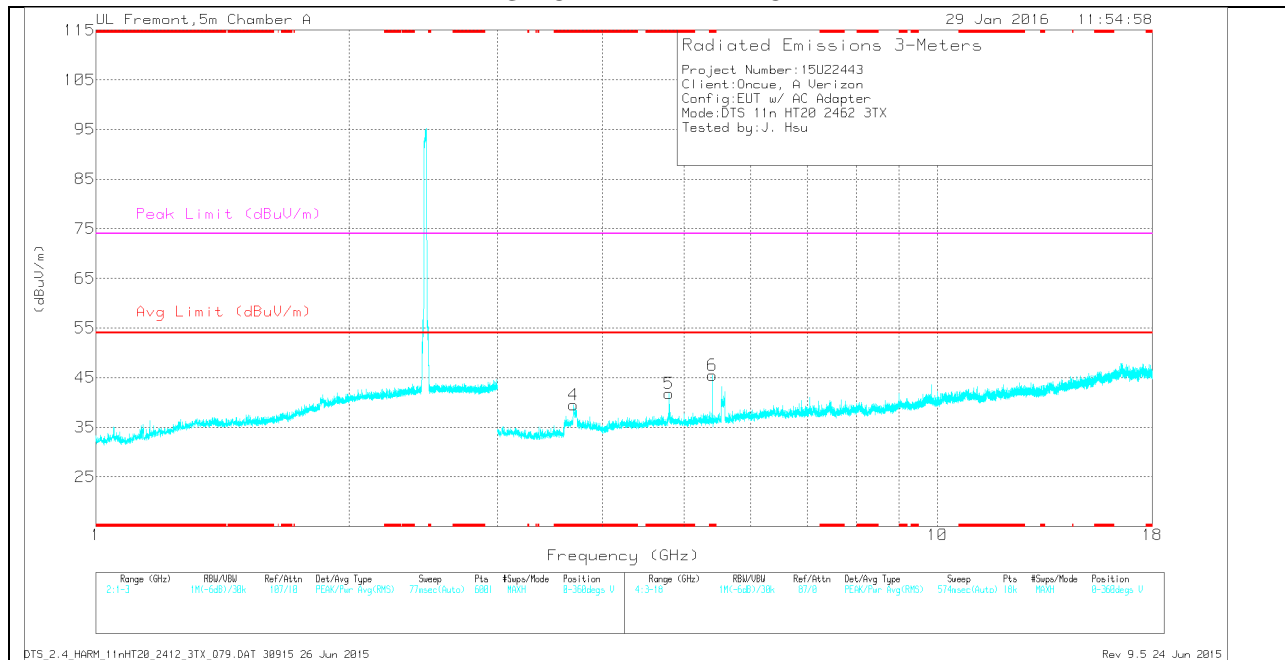
MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL HORIZONTAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**HIGH CHANNEL VERTICAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**HIGH CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.131	37.83	Pk	27.5	-22.2	0	43.13	-	-	74	-30.87	0-360	100	H
2	* 2.667	34.91	Pk	32.2	-20.2	0	46.91	-	-	74	-27.09	0-360	201	H
3	* 2.872	35.81	Pk	32.6	-20.4	0	48.01	-	-	74	-25.99	0-360	201	H
4	* 3.692	37.85	Pk	33.2	-31.5	0	39.55	-	-	74	-34.45	0-360	200	V
5	* 4.8	37.56	Pk	34	-29.8	0	41.76	-	-	74	-32.24	0-360	100	V
6	* 5.4	40.28	Pk	34.6	-29.4	0	45.48	-	-	74	-28.52	0-360	100	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.129	37.69	PK2	27.5	-22.2	0	42.99	-	-	74	-31.01	0	100	H
* 1.129	24.97	MAv1	27.5	-22.2	0	30.27	54	-23.73	-	-	0	100	H
* 2.667	41.66	PK2	32.2	-20.2	0	53.66	-	-	74	-20.34	317	136	H
* 2.667	33.08	MAv1	32.2	-20.2	0	45.08	54	-8.92	-	-	317	136	H
* 2.872	41.46	PK2	32.6	-20.4	0	53.66	-	-	74	-20.34	332	157	H
* 2.872	34.18	MAv1	32.6	-20.4	0	46.38	54	-7.62	-	-	332	157	H
* 3.693	47.79	PK2	33.2	-31.5	0	49.49	-	-	74	-24.51	23	305	V
* 3.693	33.16	MAv1	33.2	-31.5	0	34.86	54	-19.14	-	-	23	305	V
* 4.8	44.08	PK2	34	-29.8	0	48.28	-	-	74	-25.72	113	100	V
* 4.8	35.05	MAv1	34	-29.8	0	39.25	54	-14.75	-	-	113	100	V
* 5.4	44.8	PK2	34.6	-29.4	0	50	-	-	74	-24	32	106	V
* 5.4	39.86	MAv1	34.6	-29.4	0	45.06	54	-8.94	-	-	32	106	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

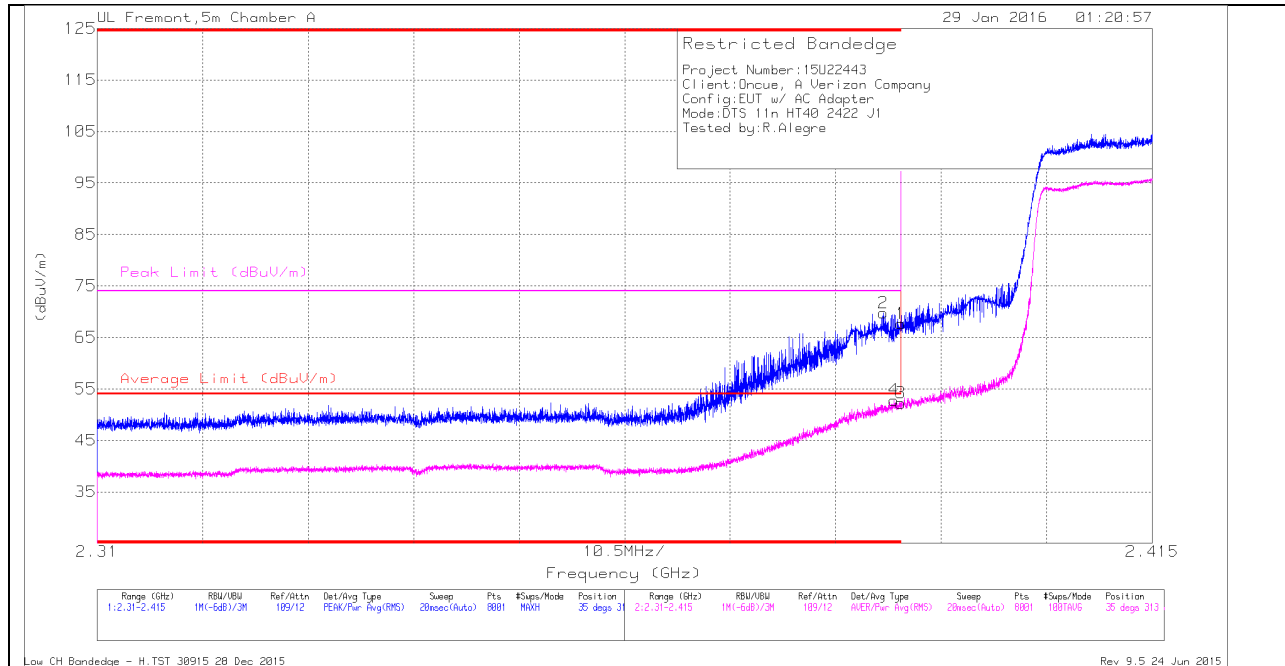
MAv1 - KDB558074 Option 1 Maximum RMS Average



## 9.6. TX ABOVE 1 GHz 802.11n HT40 CDD SISO MODE IN THE 2.4 GHz BAND

### RESTRICTED BANDEDGE (CHANNEL 3)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

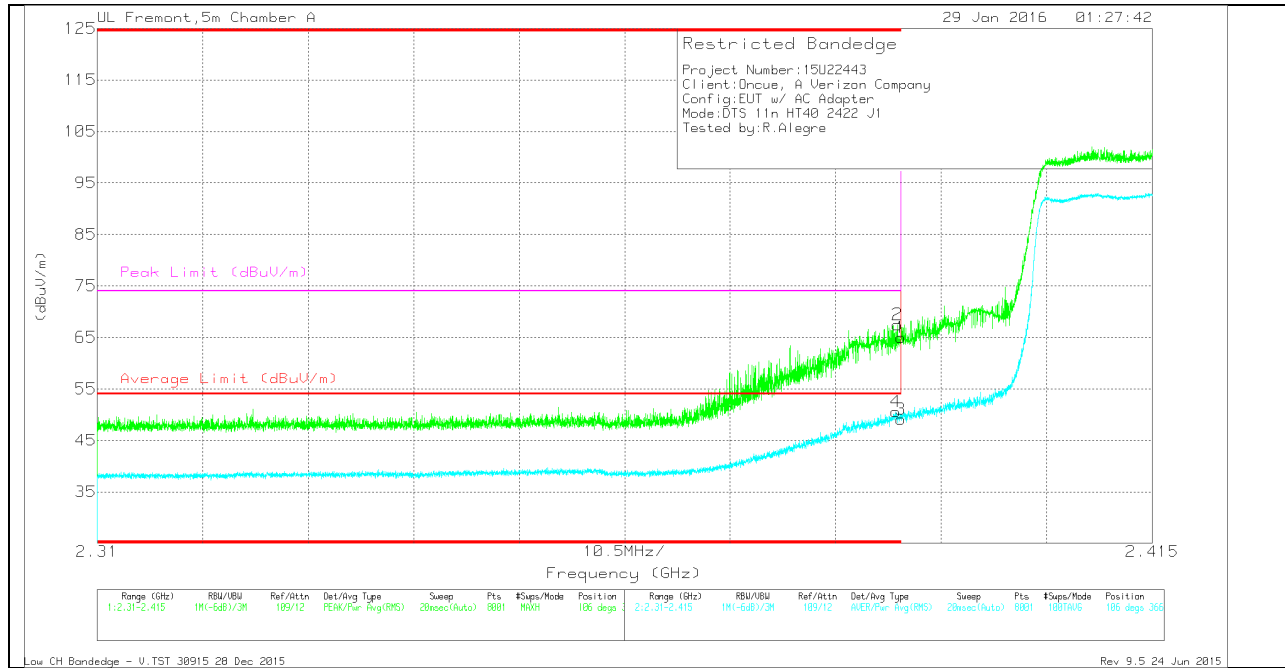
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.388	57.66	Pk	32	-19.9	0	69.76	-	-	74	-4.24	35	313	H
4	* 2.389	40.72	RMS	32	-19.9	0	52.82	54	-1.18	-	-	35	313	H
1	* 2.39	55.55	Pk	32	-19.9	0	67.65	-	-	74	-6.35	35	313	H
3	* 2.39	40.14	RMS	32	-19.9	0	52.24	54	-1.76	-	-	35	313	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.389	38.44	RMS	32	-19.9	0	50.54	54	-3.46	-	-	106	366	V
1	* 2.39	52.9	Pk	32	-19.9	0	65	-	-	74	-9	106	366	V
2	* 2.39	55.37	Pk	32	-19.9	0	67.47	-	-	74	-6.53	106	366	V
3	* 2.39	36.99	RMS	32	-19.9	0	49.09	54	-4.91	-	-	106	366	V

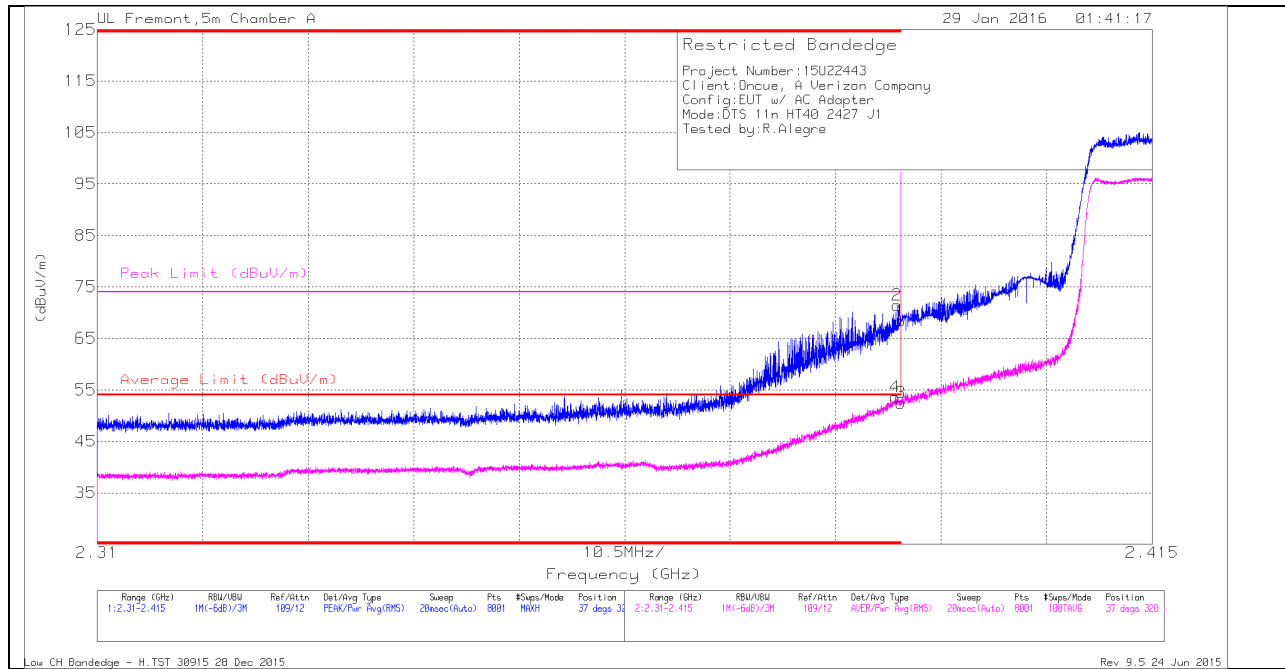
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 4)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

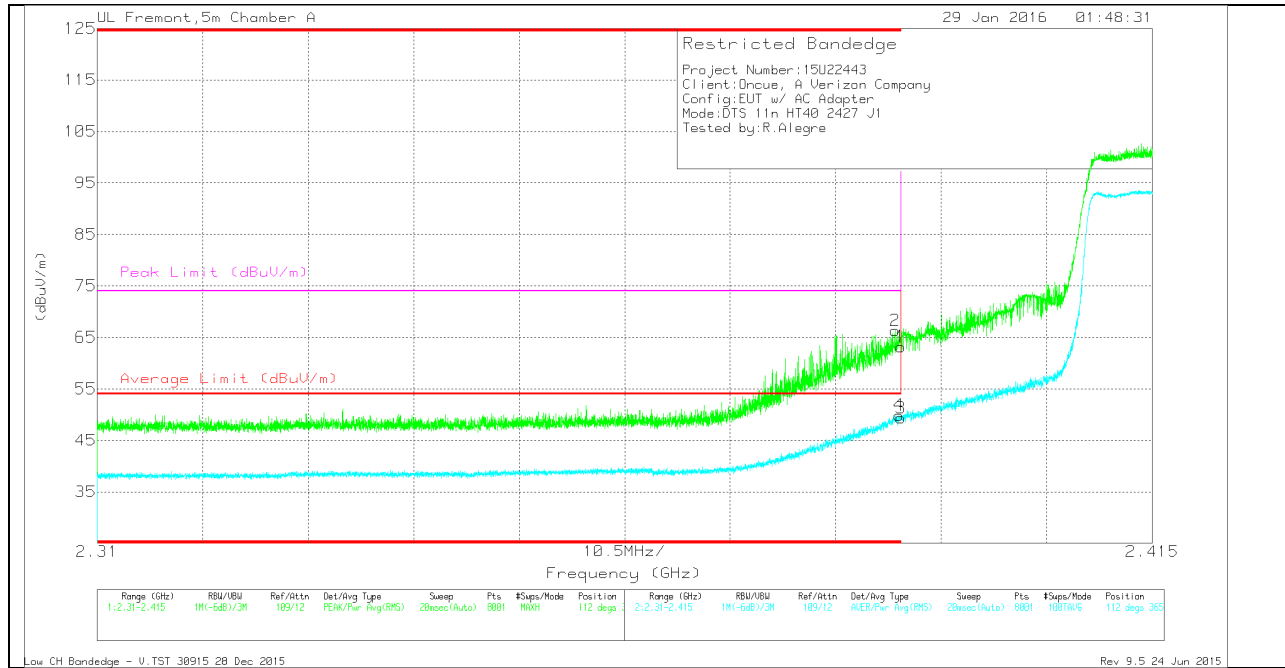
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.389	41.53	RMS	32	-19.9	0	53.63	54	-37	-	-	37	320	H
1	* 2.39	56.29	Pk	32	-19.9	0	68.39	-	-	74	-5.61	37	320	H
2	* 2.39	59.32	Pk	32	-19.9	0	71.42	-	-	74	-2.58	37	320	H
3	* 2.39	40.39	RMS	32	-19.9	0	52.49	54	-1.51	-	-	37	320	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	54.23	Pk	32	-19.9	0	66.33	-	-	74	-7.67	112	365	V
1	* 2.39	51.11	Pk	32	-19.9	0	63.21	-	-	74	-10.79	112	365	V
3	* 2.39	37.23	RMS	32	-19.9	0	49.33	54	-4.67	-	-	112	365	V
4	* 2.39	37.79	RMS	32	-19.9	0	49.89	54	-4.11	-	-	112	365	V

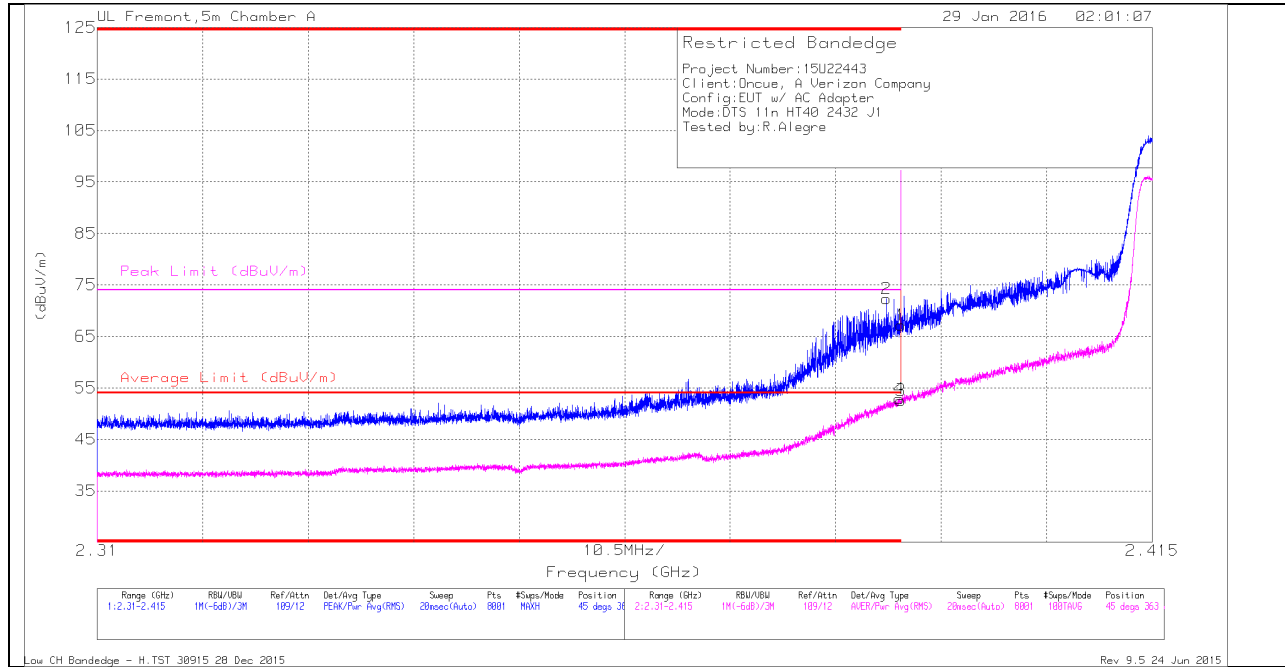
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 5)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

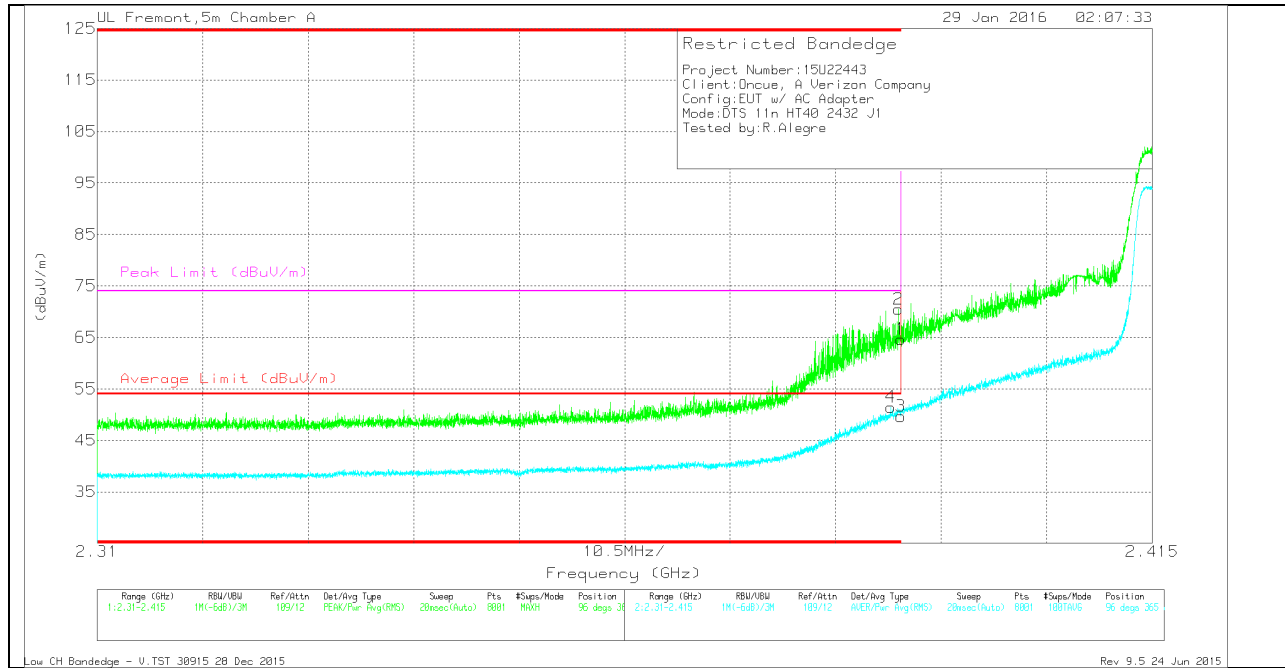
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	60.2	Pk	32	-19.9	0	72.3	-	-	74	-1.7	45	363	H
1	* 2.39	55.09	Pk	32	-19.9	0	67.19	-	-	74	-6.81	45	363	H
3	* 2.39	40.45	RMS	32	-19.9	0	52.55	54	-1.45	-	-	45	363	H
4	* 2.39	40.78	RMS	32	-19.9	0	52.88	54	-1.12	-	-	45	363	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.389	39.37	RMS	32	-19.9	0	51.47	54	-2.53	-	-	96	365	V
1	* 2.39	52.57	Pk	32	-19.9	0	64.67	-	-	74	-9.33	96	365	V
2	* 2.39	58.36	Pk	32	-19.9	0	70.46	-	-	74	-3.54	96	365	V
3	* 2.39	37.57	RMS	32	-19.9	0	49.67	54	-4.33	-	-	96	365	V

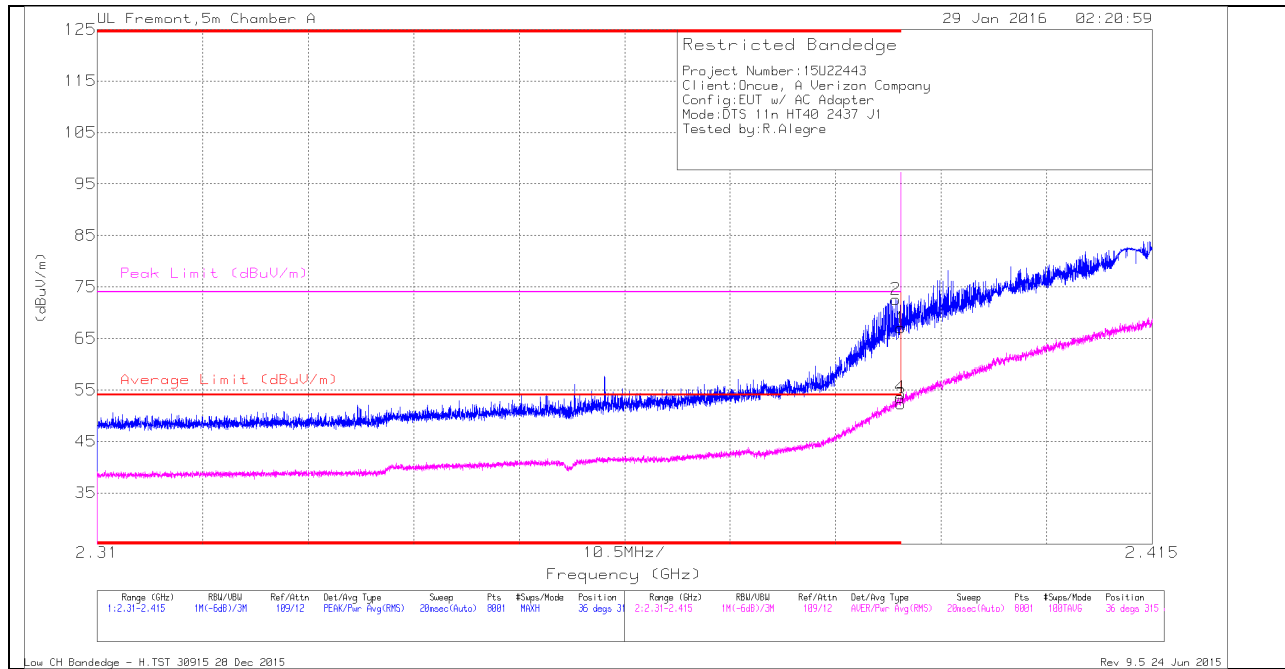
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEGE (LOW CHANNEL 6)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

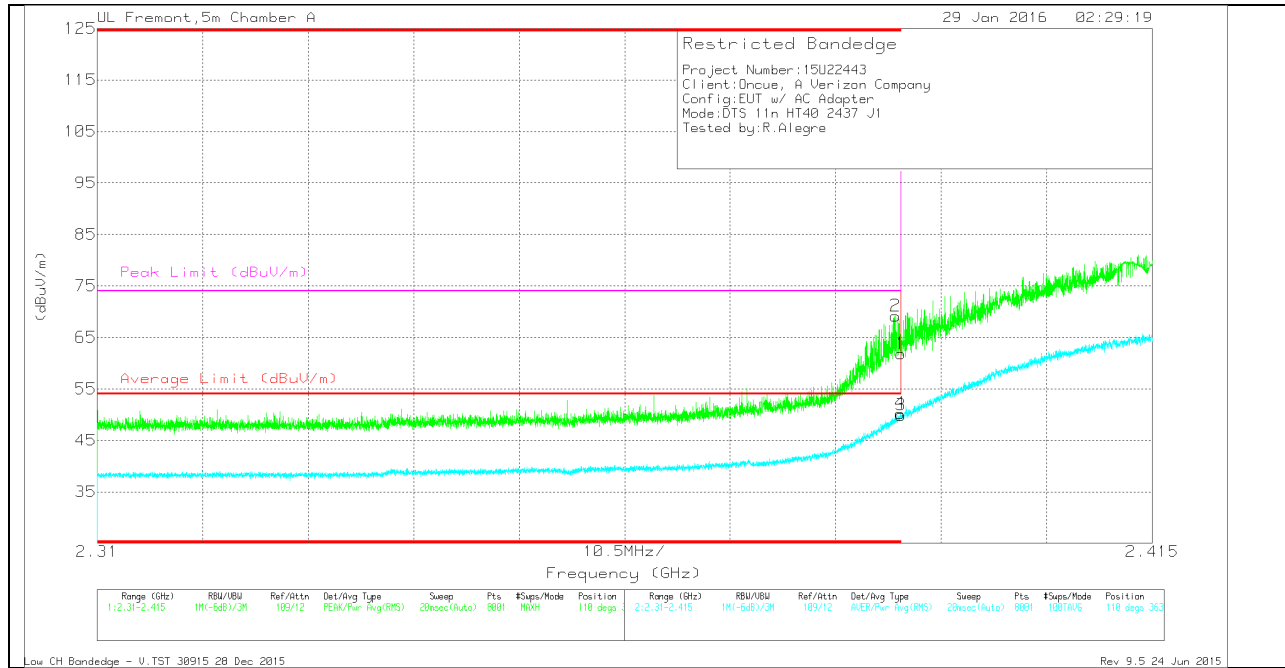
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	60.5	Pk	32	-19.9	0	72.6	-	-	74	-1.4	36	315	H
1	* 2.39	54.97	Pk	32	-19.9	0	67.07	-	-	74	-6.93	36	315	H
3	* 2.39	40.19	RMS	32	-19.9	0	52.29	54	-1.71	-	-	36	315	H
4	* 2.39	41.47	RMS	32	-19.9	0	53.57	54	-0.43	-	-	36	315	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	57.09	Pk	32	-19.9	0	69.19	-	-	74	-4.81	110	363	V
1	* 2.39	49.76	Pk	32	-19.9	0	61.86	-	-	74	-12.14	110	363	V
3	* 2.39	37.81	RMS	32	-19.9	0	49.91	54	-4.09	-	-	110	363	V
4	* 2.39	38.15	RMS	32	-19.9	0	50.25	54	-3.75	-	-	110	363	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

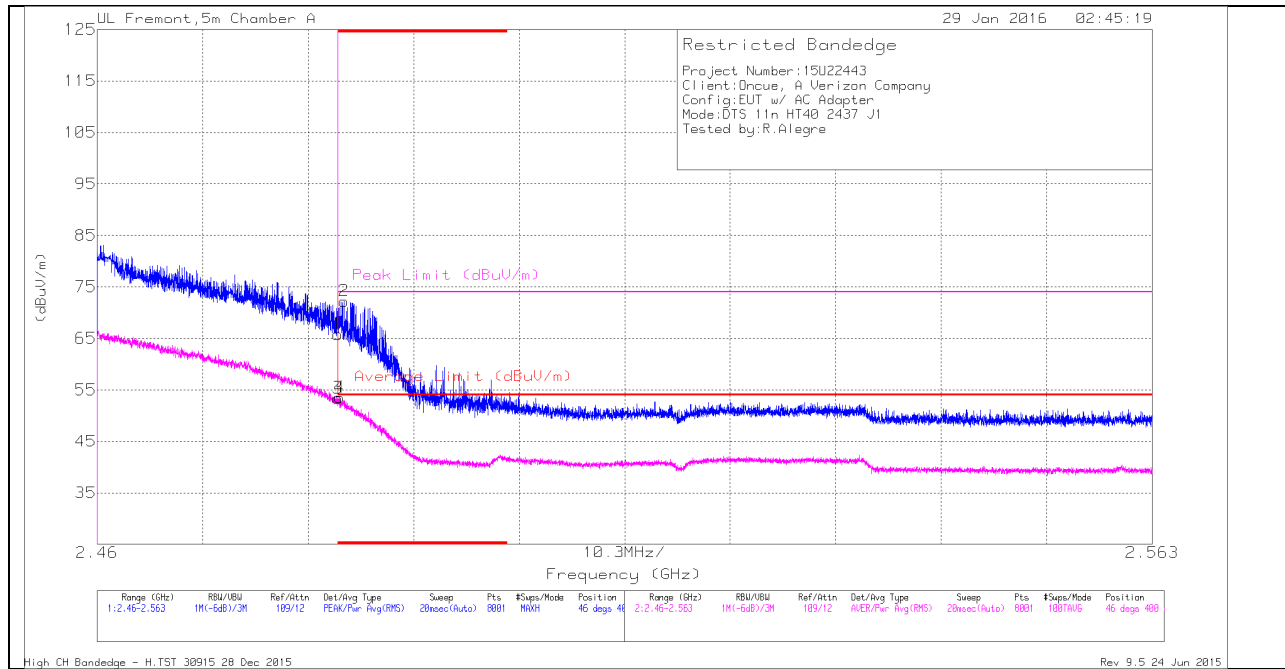
Pk - Peak detector

RMS - RMS detection



**AUTHORIZED BANDEDGE (HIGH CHANNEL 6)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

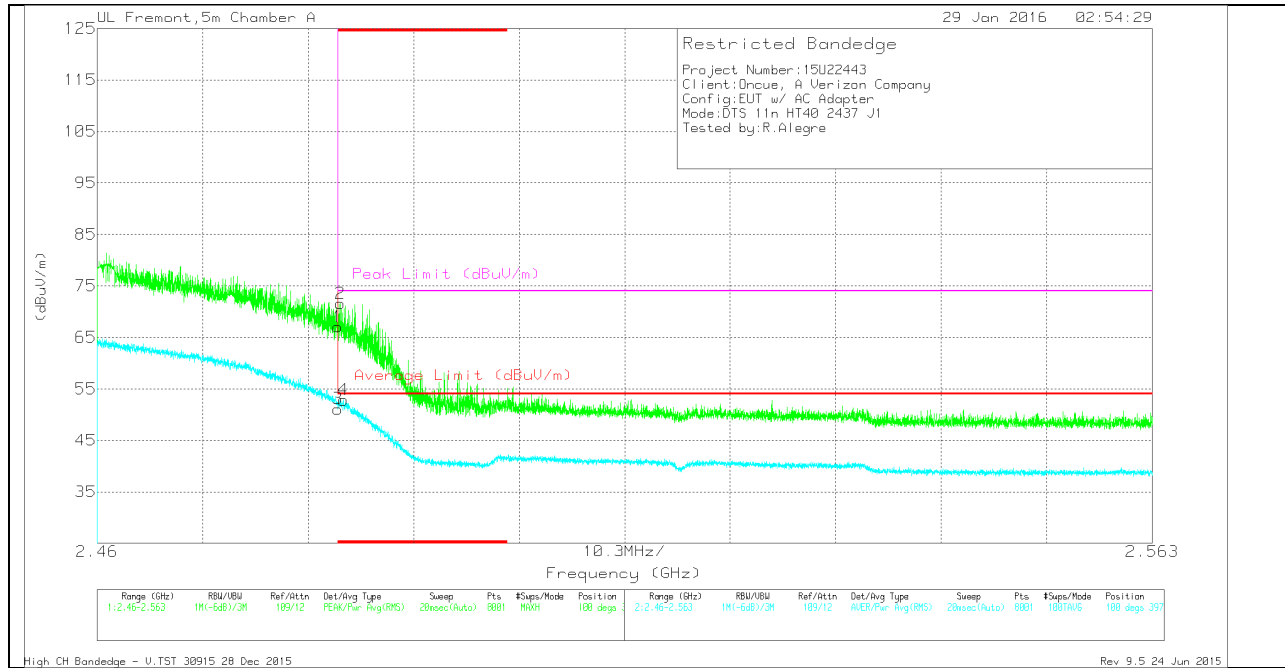
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.7	Pk	32.1	-20	0	65.8	-	-	74	-8.2	46	400	H
2	* 2.484	60.15	Pk	32.1	-20	0	72.25	-	-	74	-1.75	46	400	H
3	* 2.484	41.32	RMS	32.1	-20	0	53.42	54	-58	-	-	46	400	H
4	* 2.484	41.44	RMS	32.1	-20	0	53.54	54	-46	-	-	46	400	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.95	Pk	32.1	-20	0	67.05	-	-	74	-6.95	100	397	V
2	* 2.484	59.49	Pk	32.1	-20	0	71.59	-	-	74	-2.41	100	397	V
3	* 2.484	39.02	RMS	32.1	-20	0	51.12	54	-2.88	-	-	100	397	V
4	* 2.484	40.75	RMS	32.1	-20	0	52.85	54	-1.15	-	-	100	397	V

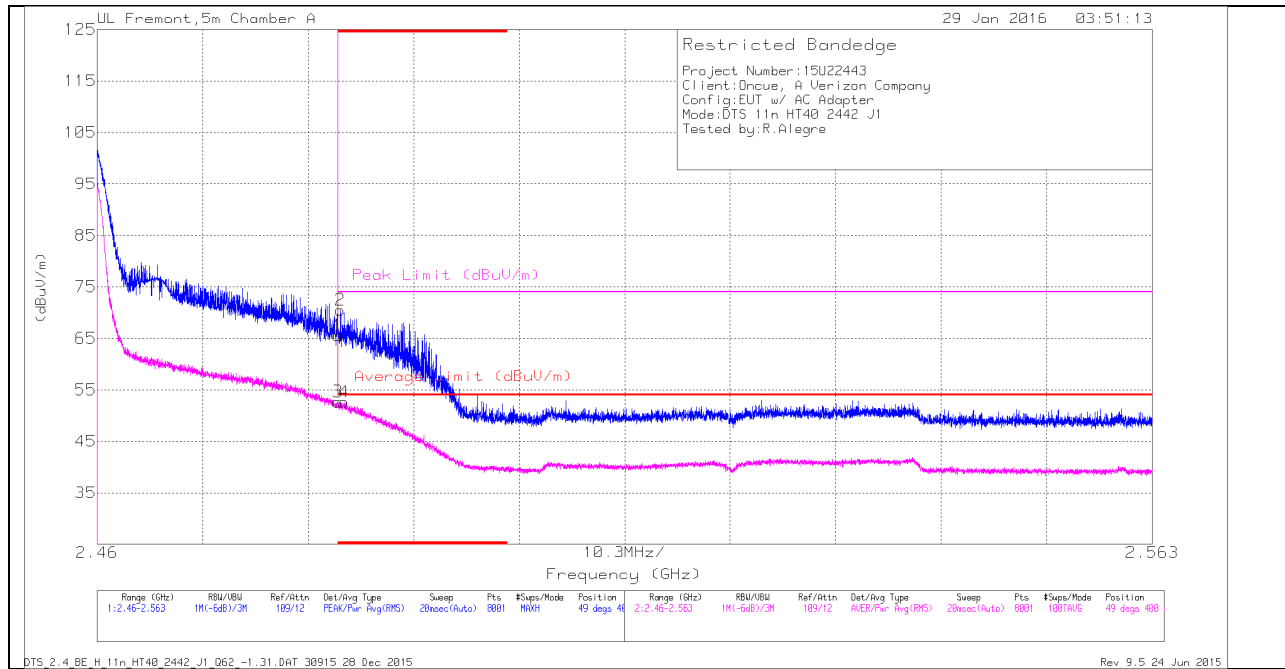
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 7)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

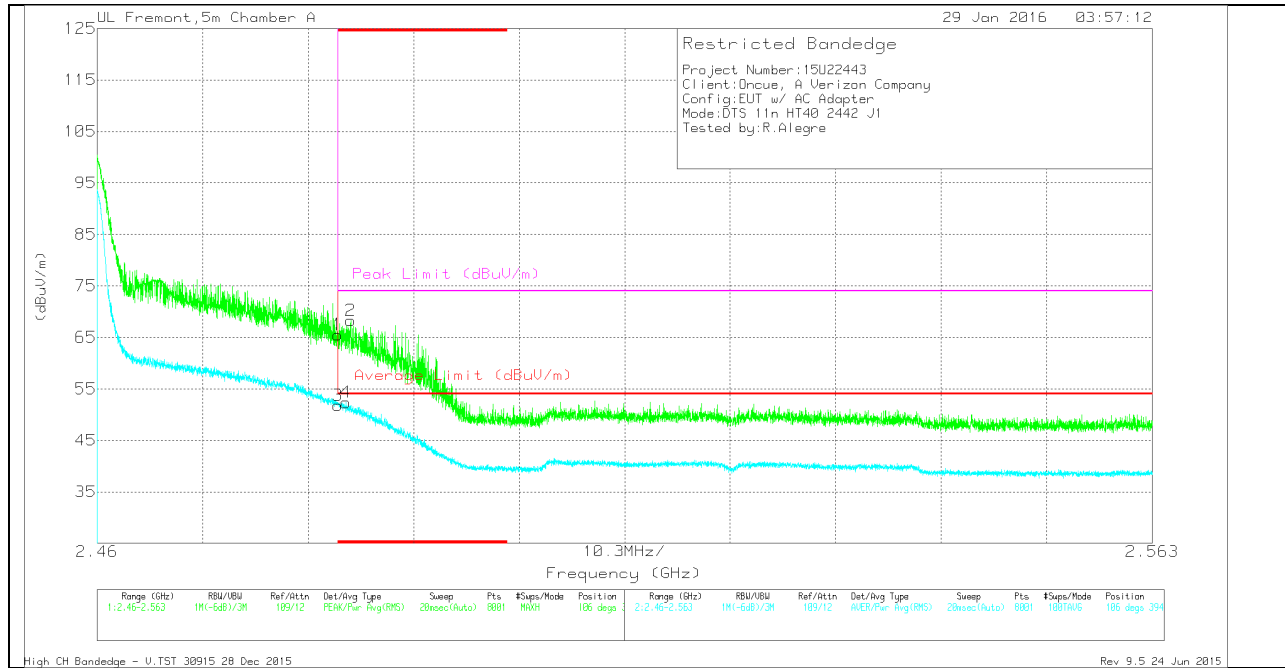
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.5	Pk	32.1	-20	0	65.6	-	-	74	-8.4	49	400	H
2	* 2.484	58.4	Pk	32.1	-20	0	70.5	-	-	74	-3.5	49	400	H
3	* 2.484	40.59	RMS	32.1	-20	0	52.69	54	-1.31	-	-	49	400	H
4	* 2.484	40.54	RMS	32.1	-20	0	52.64	54	-1.36	-	-	49	400	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.42	Pk	32.1	-20	0	65.52	-	-	74	-8.48	106	394	V
3	* 2.484	39.67	RMS	32.1	-20	0	51.77	54	-2.23	-	-	106	394	V
4	* 2.484	40.26	RMS	32.1	-20	0	52.36	54	-1.64	-	-	106	394	V
2	* 2.485	56.19	Pk	32.1	-20	0	68.29	-	-	74	-5.71	106	394	V

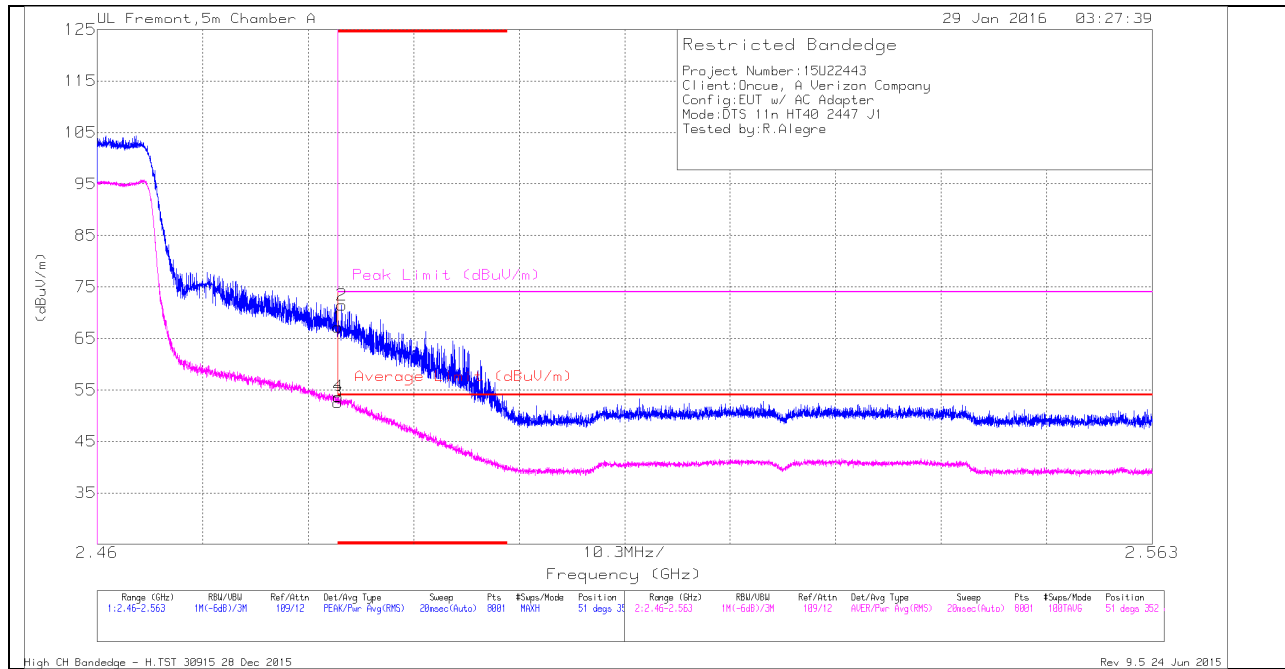
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 8)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

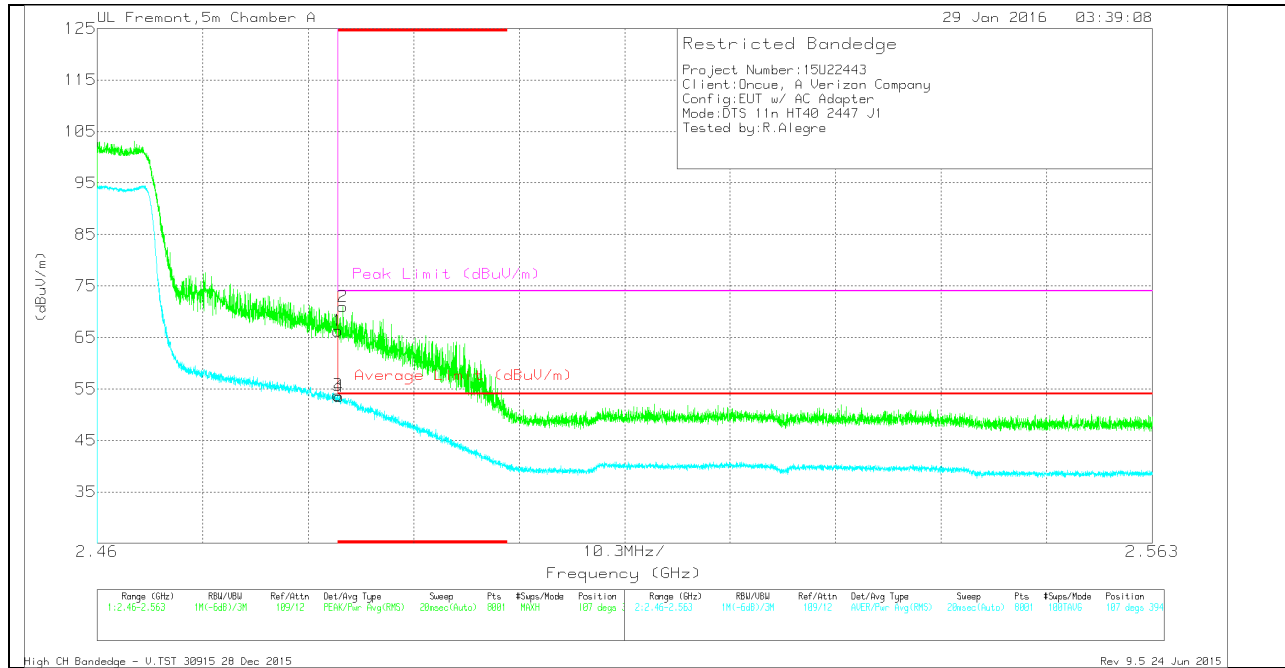
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.08	Pk	32.1	-20	0	67.18	-	-	74	-6.82	51	352	H
2	* 2.484	59.35	Pk	32.1	-20	0	71.45	-	-	74	-2.55	51	352	H
3	* 2.484	40.48	RMS	32.1	-20	0	52.58	54	-1.42	-	-	51	352	H
4	* 2.484	41.58	RMS	32.1	-20	0	53.68	54	-0.32	-	-	51	352	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.18	Pk	32.1	-20	0	66.28	-	-	74	-7.72	107	394	V
2	* 2.484	58.85	Pk	32.1	-20	0	70.95	-	-	74	-3.05	107	394	V
3	* 2.484	41.68	RMS	32.1	-20	0	53.78	54	-22	-	-	107	394	V
4	* 2.484	41.44	RMS	32.1	-20	0	53.54	54	-46	-	-	107	394	V

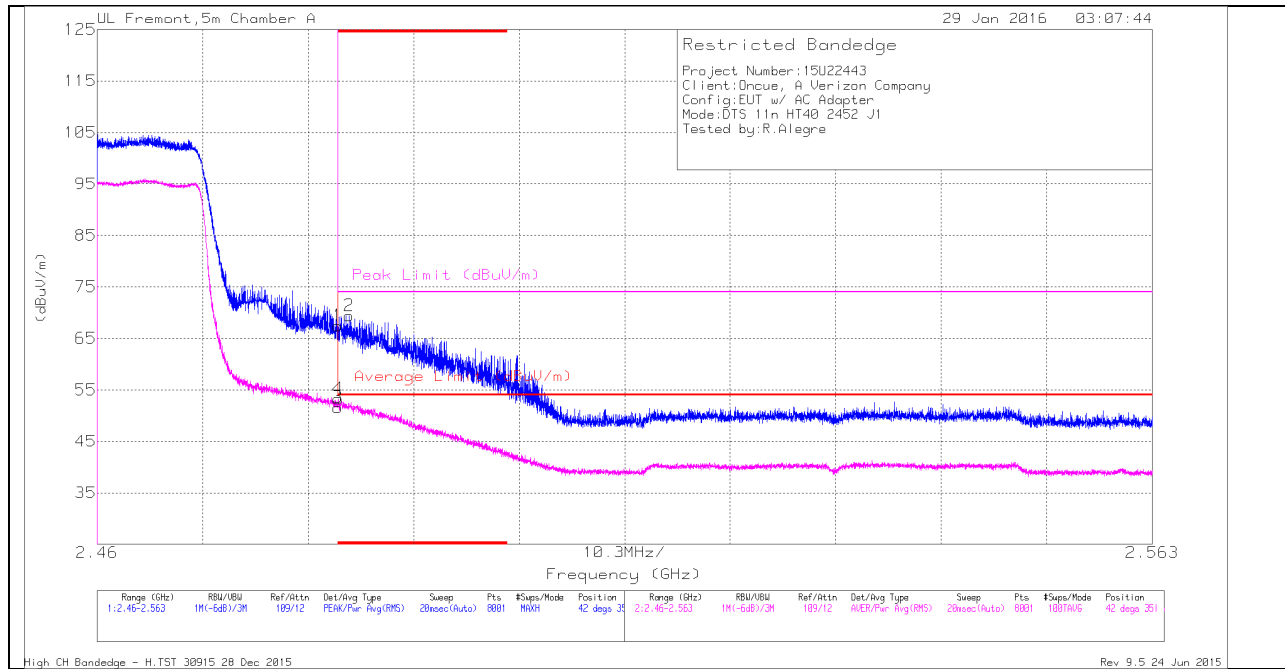
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 9)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

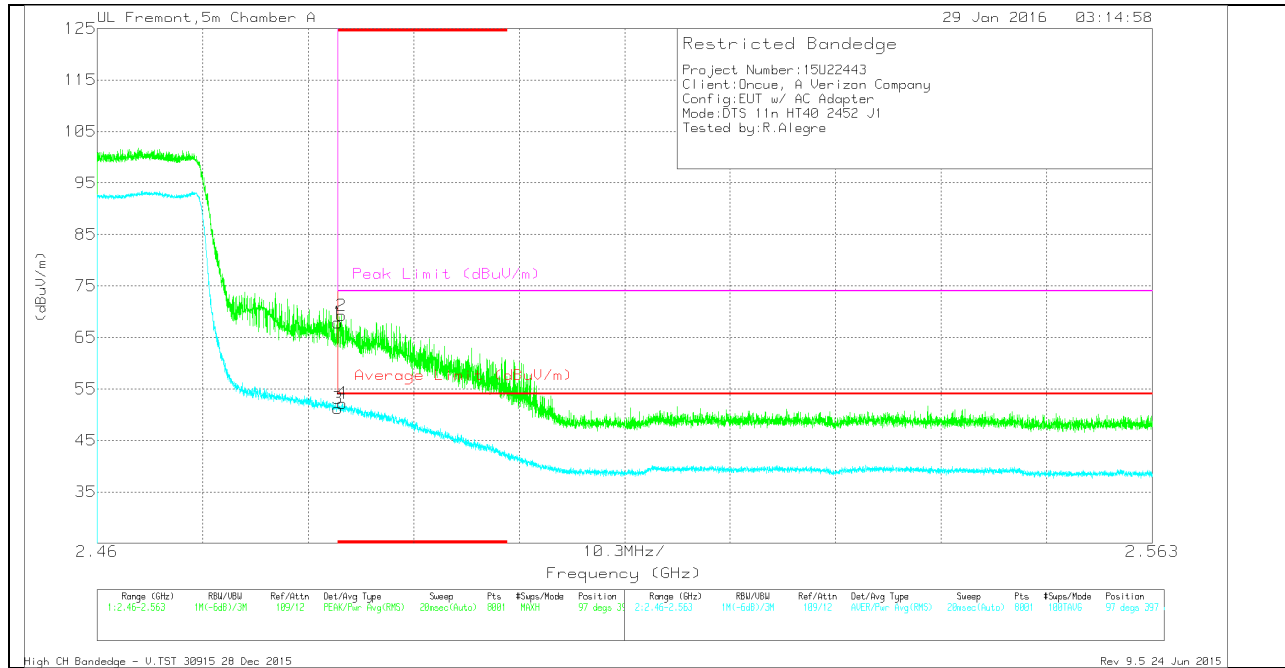
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.36	Pk	32.1	-20	0	67.46	-	-	74	-6.54	42	351	H
3	* 2.484	39.5	RMS	32.1	-20	0	51.6	54	-2.4	-	-	42	351	H
4	* 2.484	41.19	RMS	32.1	-20	0	53.29	54	-.71	-	-	42	351	H
2	* 2.485	57.31	Pk	32.1	-20	0	69.41	-	-	74	-4.59	42	351	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.78	Pk	32.1	-20	0	67.88	-	-	74	-6.12	97	397	V
2	* 2.484	57.13	Pk	32.1	-20	0	69.23	-	-	74	-4.77	97	397	V
3	* 2.484	39.1	RMS	32.1	-20	0	51.2	54	-2.8	-	-	97	397	V
4	* 2.484	40.1	RMS	32.1	-20	0	52.2	54	-1.8	-	-	97	397	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

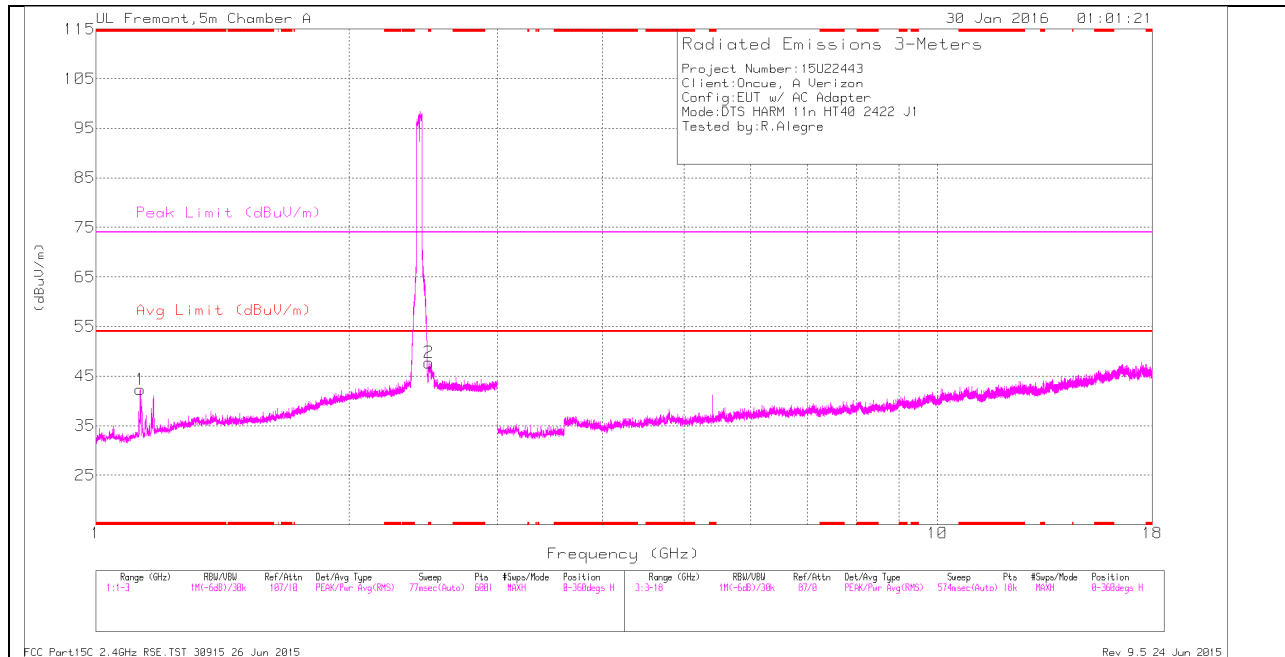
Pk - Peak detector

RMS - RMS detection



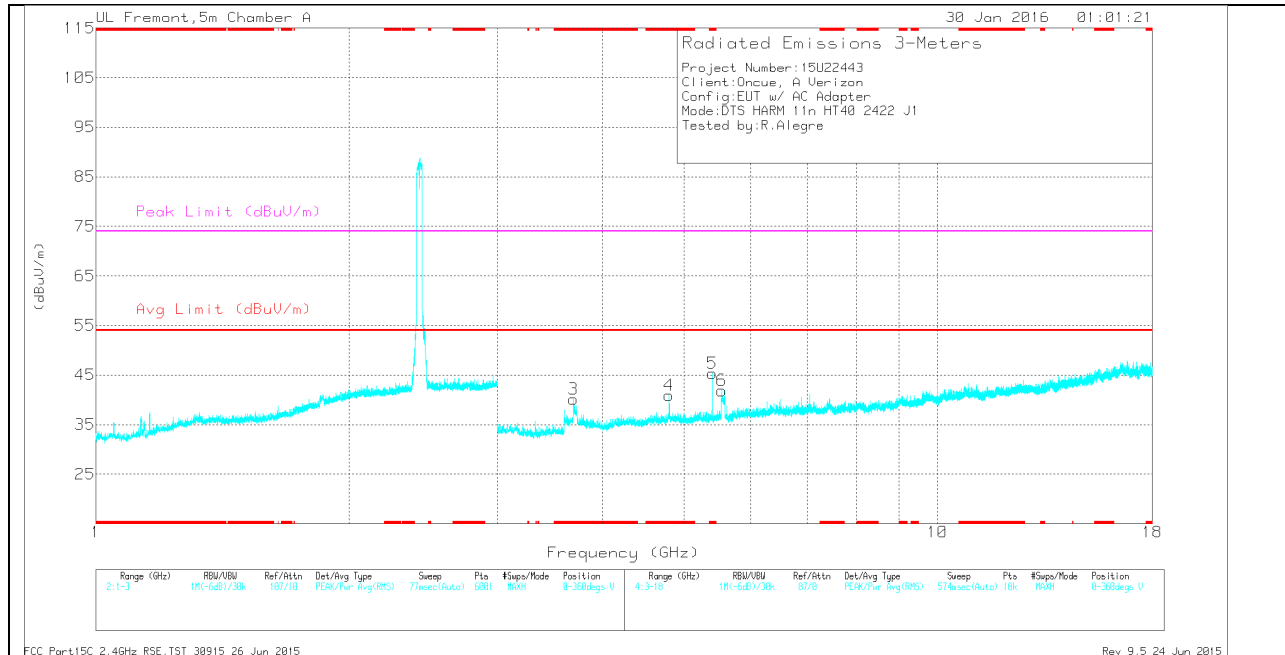
### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.129	37.02	Pk	27.5	-22.2	0	42.32	-	-	74	-31.68	0-360	201	H
2	* 2.486	35.6	Pk	32.1	-20	0	47.7	-	-	74	-26.3	0-360	100	H
3	* 3.693	38.41	Pk	33.2	-31.5	0	40.11	-	-	74	-33.89	0-360	200	V
4	* 4.8	36.75	Pk	34	-29.8	0	40.95	-	-	74	-33.05	0-360	100	V
5	* 5.4	40.13	Pk	34.6	-29.4	0	45.33	-	-	74	-28.67	0-360	100	V
6	5.54	36.16	Pk	34.5	-28.8	0	41.86	-	-	-	-	0-360	200	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

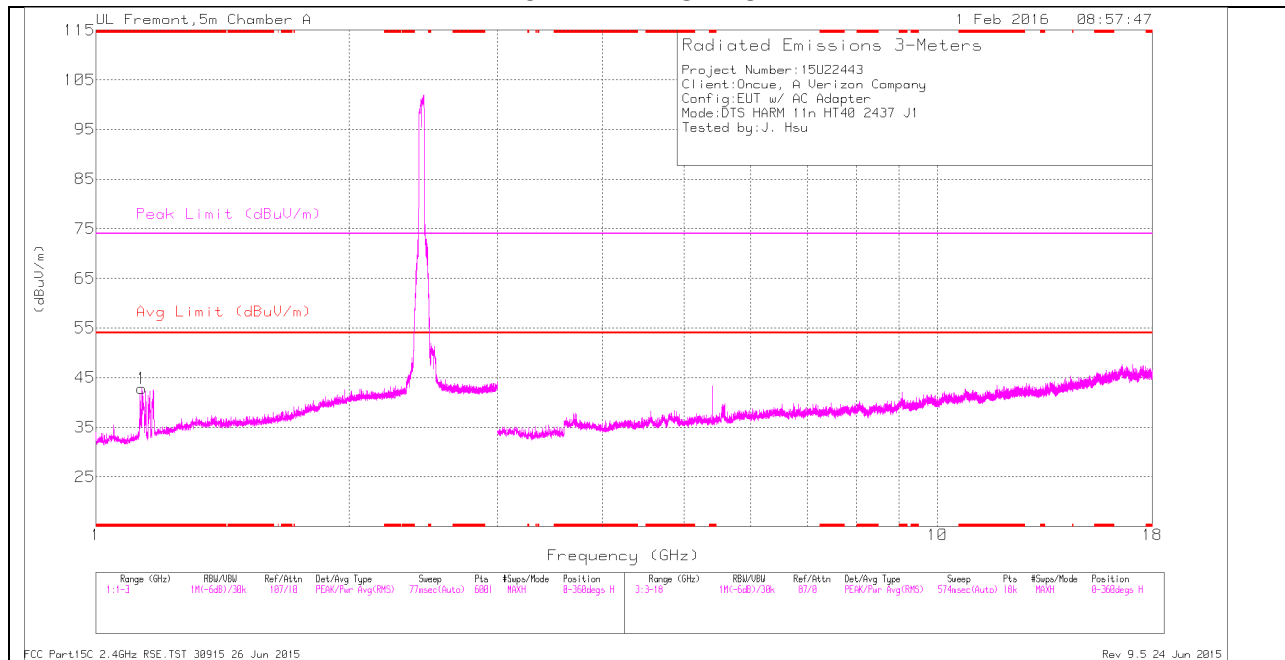
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.129	31.25	PK2	27.5	-22.2	0	36.55	-	-	74	-37.45	38	224	H
* 1.129	26.2	MAv1	27.5	-22.2	0	31.5	54	-22.5	-	-	38	224	H
* 2.485	38.27	PK2	32.1	-20	0	50.37	-	-	74	-23.63	45	121	H
* 2.487	31.79	MAv1	32.1	-20	0	43.89	54	-10.11	-	-	45	121	H
* 3.693	42.83	PK2	33.2	-31.5	0	44.53	-	-	74	-29.47	348	372	V
* 3.693	33.73	MAv1	33.2	-31.5	0	35.43	54	-18.57	-	-	348	372	V
* 4.8	39.24	PK2	34	-29.8	0	43.44	-	-	74	-30.56	115	116	V
* 4.8	34.58	MAv1	34	-29.8	0	38.78	54	-15.22	-	-	115	116	V
* 5.4	42.74	PK2	34.6	-29.4	0	47.94	-	-	74	-26.06	31	114	V
* 5.4	40	MAv1	34.6	-29.4	0	45.2	54	-8.8	-	-	31	114	V
5.54	41.53	PK2	34.5	-28.8	0	47.23	-	-	74	-26.77	329	280	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

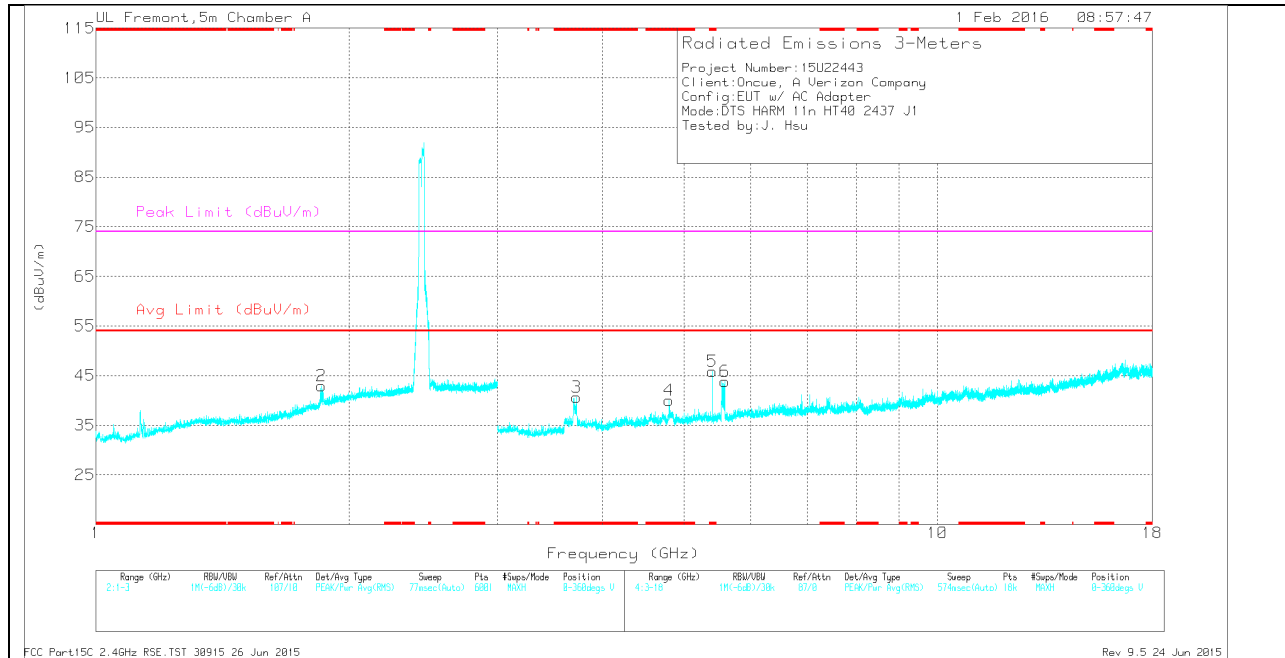
MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**MID CHANNEL VERTICAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.134	37.51	Pk	27.5	-22.2	0	42.81	-	-	74	-31.19	0-360	100	H
3	* 3.726	39.11	Pk	33.3	-31.8	0	40.61	-	-	74	-33.39	0-360	200	V
4	* 4.8	35.85	Pk	34	-29.8	0	40.05	-	-	74	-33.95	0-360	100	V
5	* 5.4	40.65	Pk	34.6	-29.4	0	45.85	-	-	74	-28.15	0-360	100	V
2	1.853	32.17	Pk	30.4	-19.6	0	42.97	-	-	-	-	0-360	200	V
6	5.588	38.53	Pk	34.5	-29.2	0	43.83	-	-	-	-	0-360	200	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

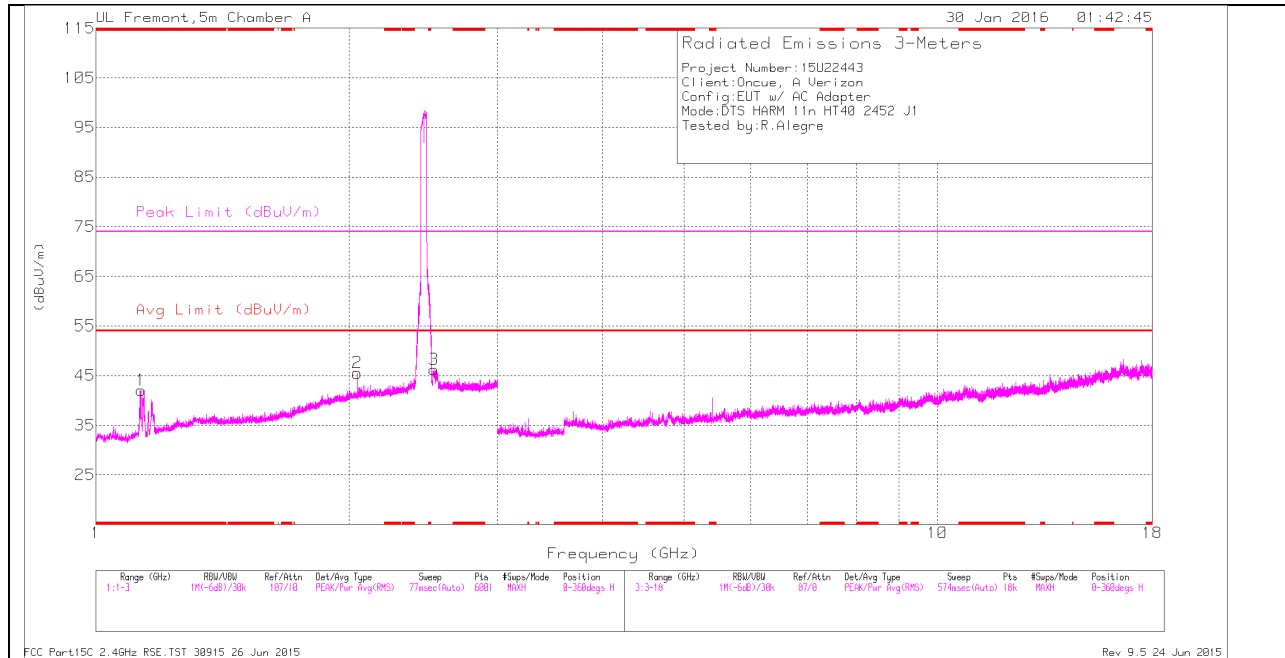
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.136	45.52	PK2	27.5	-22.2	0	50.82	-	-	74	-23.18	42	289	H
* 1.133	25.81	MAv1	27.5	-22.2	0	31.11	54	-22.89	-	-	42	289	H
* 3.725	49.47	PK2	33.3	-31.8	0	50.97	-	-	74	-23.03	25	252	V
* 3.726	34.6	MAv1	33.3	-31.8	0	36.1	54	-17.9	-	-	25	252	V
* 4.8	43.76	PK2	34	-29.8	0	47.96	-	-	74	-26.04	119	130	V
* 4.8	34.88	MAv1	34	-29.8	0	39.08	54	-14.92	-	-	119	130	V
* 5.4	44.4	PK2	34.6	-29.4	0	49.6	-	-	74	-24.4	18	117	V
* 5.4	39.54	MAv1	34.6	-29.4	0	44.74	54	-9.26	-	-	18	117	V
1.852	41.6	PK2	30.4	-19.6	0	52.4	-	-	74	-21.6	12	323	V
5.589	49.1	PK2	34.5	-29.2	0	54.4	-	-	74	-19.6	332	247	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

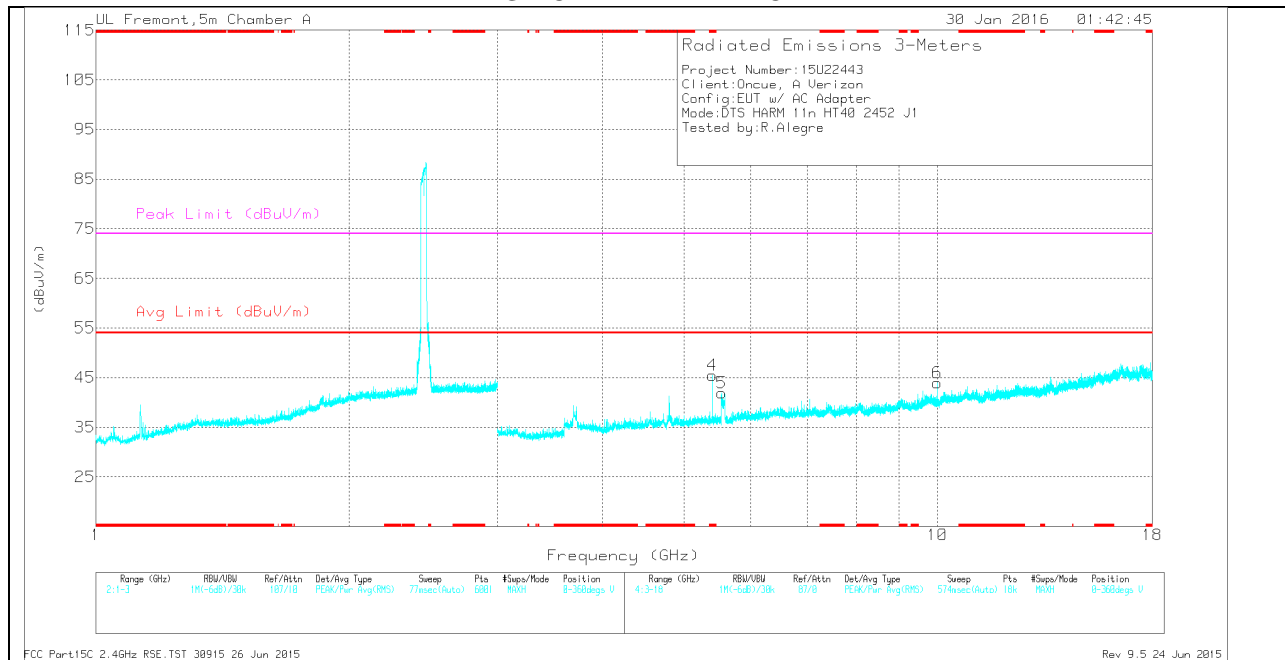
MAv1 - KDB558074 Option 1 Maximum RMS Average

**HIGH CHANNEL HORIZONTAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**HIGH CHANNEL VERTICAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



**HIGH CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.131	36.74	Pk	27.5	-22.2	0	42.04	-	-	74	-31.96	0-360	100	H
4	* 5.4	40.22	Pk	34.6	-29.4	0	45.42	-	-	74	-28.58	0-360	100	V
2	2.043	33.74	Pk	31.3	-19.5	0	45.54	-	-	-	-	0-360	100	H
3	2.521	34.21	Pk	32.1	-20.1	0	46.21	-	-	-	-	0-360	100	H
5	5.54	36.25	Pk	34.5	-28.8	0	41.95	-	-	-	-	0-360	200	V
6	10	30.11	Pk	37	-23.2	0	43.91	-	-	-	-	0-360	200	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.131	29.16	PK2	27.5	-22.2	0	34.46	-	-	74	-39.54	340	204	H
* 1.131	25.23	MAv1	27.5	-22.2	0	30.53	54	-23.47	-	-	340	204	H
* 5.4	42.52	PK2	34.6	-29.4	0	47.72	-	-	74	-26.28	26	110	V
* 5.4	39.65	MAv1	34.6	-29.4	0	44.85	54	-9.15	-	-	26	110	V
2.043	35.56	PK2	31.3	-19.5	0	47.36	-	-	74	-26.64	32	118	H
2.52	37.58	PK2	32.1	-20.1	0	49.58	-	-	74	-24.42	40	364	H
5.54	41.36	PK2	34.5	-28.8	0	47.06	-	-	74	-26.94	331	224	V
10	32.02	PK2	37	-23.2	0	45.82	-	-	74	-28.18	63	246	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

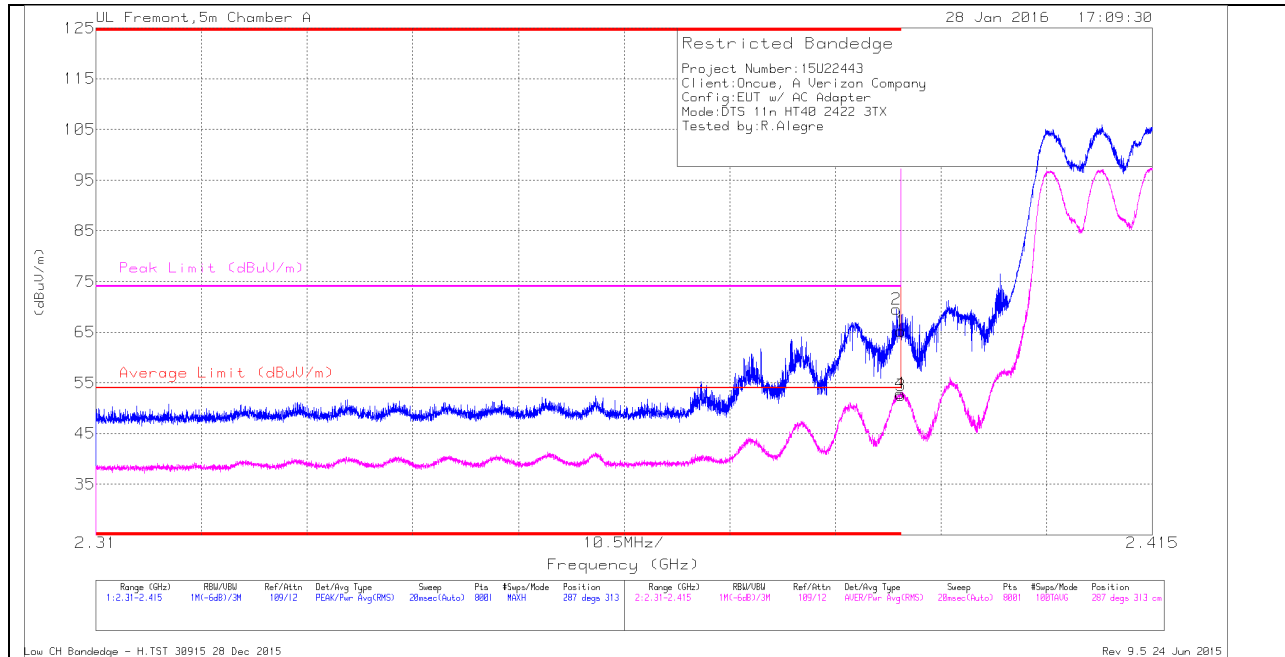
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.7. TX ABOVE 1 GHz 802.11n HT40 CDD 3TX MODE IN THE 2.4 GHz BAND

### RESTRICTED BANDEDGE (CHANNEL 3)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

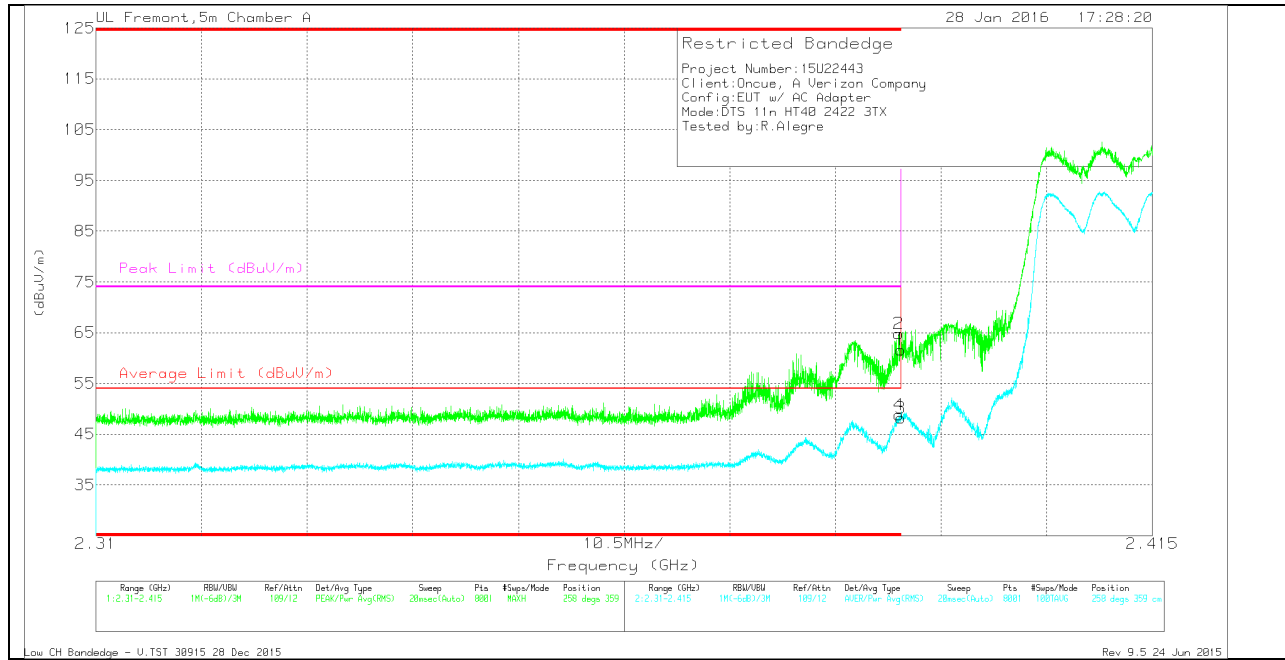
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.11	Pk	32	-19.9	0	65.21	-	-	74	-8.79	287	313	H
2	* 2.39	57.4	Pk	32	-19.9	0	69.5	-	-	74	-4.5	287	313	H
3	* 2.39	40.4	RMS	32	-19.9	0	52.5	54	-1.5	-	-	287	313	H
4	* 2.39	40.81	RMS	32	-19.9	0	52.91	54	-1.09	-	-	287	313	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	49.55	Pk	32	-19.9	0	61.65	-	-	74	-12.35	258	359	V
2	* 2.39	52.7	Pk	32	-19.9	0	64.8	-	-	74	-9.2	258	359	V
3	* 2.39	36.05	RMS	32	-19.9	0	48.15	54	-5.85	-	-	258	359	V
4	* 2.39	36.7	RMS	32	-19.9	0	48.8	54	-5.2	-	-	258	359	V

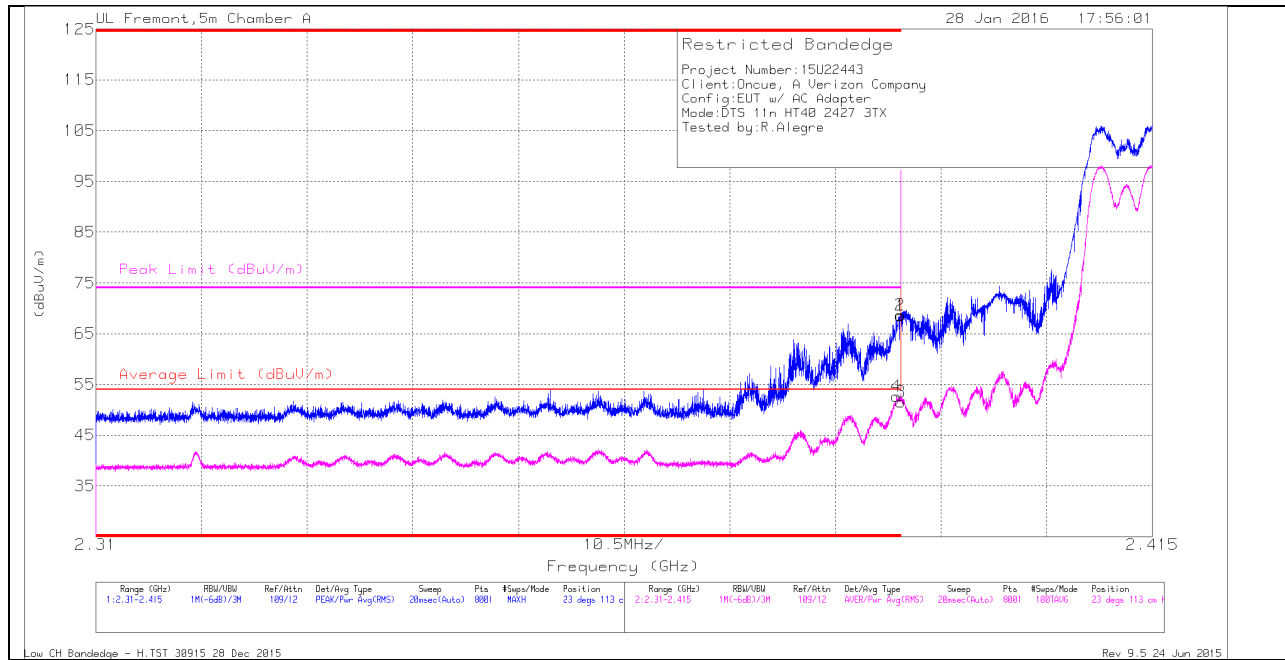
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 4)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

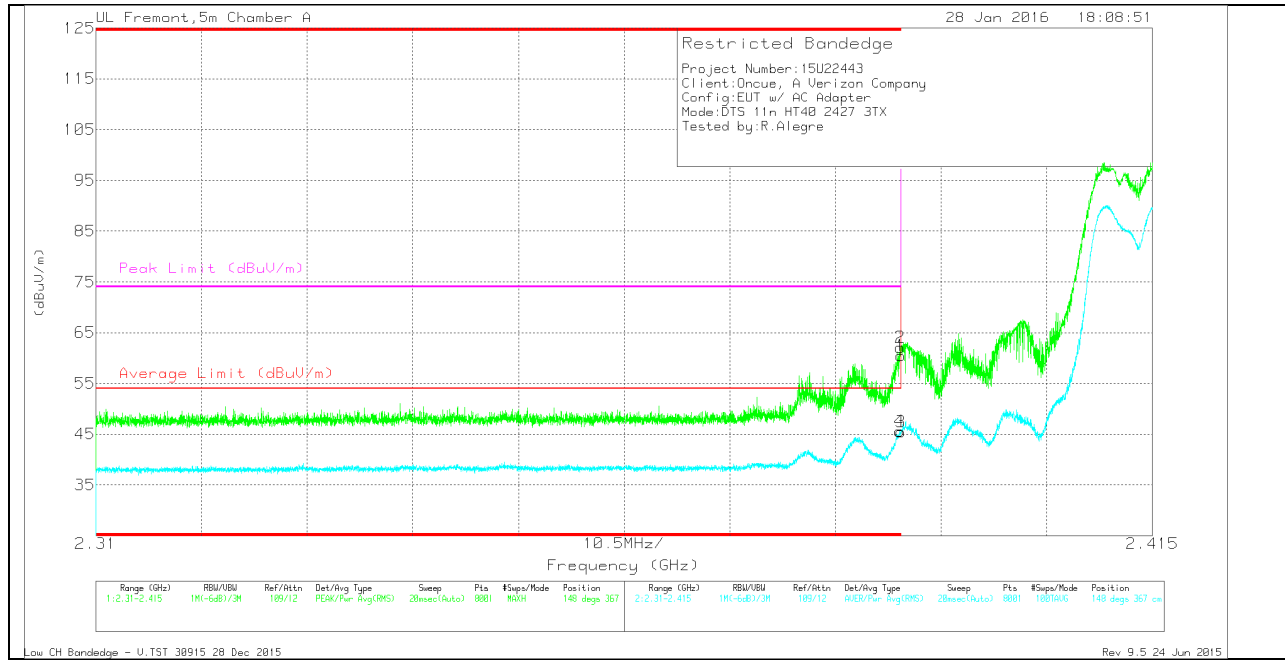
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.5	Pk	32	-19.9	0	68.6	-	-	74	-5.4	23	113	H
2	* 2.39	56.53	Pk	32	-19.9	0	68.63	-	-	74	-5.37	23	113	H
3	* 2.39	39.45	RMS	32	-19.9	0	51.55	54	-2.45	-	-	23	113	H
4	* 2.39	40.55	RMS	32	-19.9	0	52.65	54	-1.35	-	-	23	113	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.39	Pk	32	-19.9	0	60.49	-	-	74	-13.51	148	367	V
2	* 2.39	49.93	Pk	32	-19.9	0	62.03	-	-	74	-11.97	148	367	V
3	* 2.39	33.39	RMS	32	-19.9	0	45.49	54	-8.51	-	-	148	367	V
4	* 2.39	33.47	RMS	32	-19.9	0	45.57	54	-8.43	-	-	148	367	V

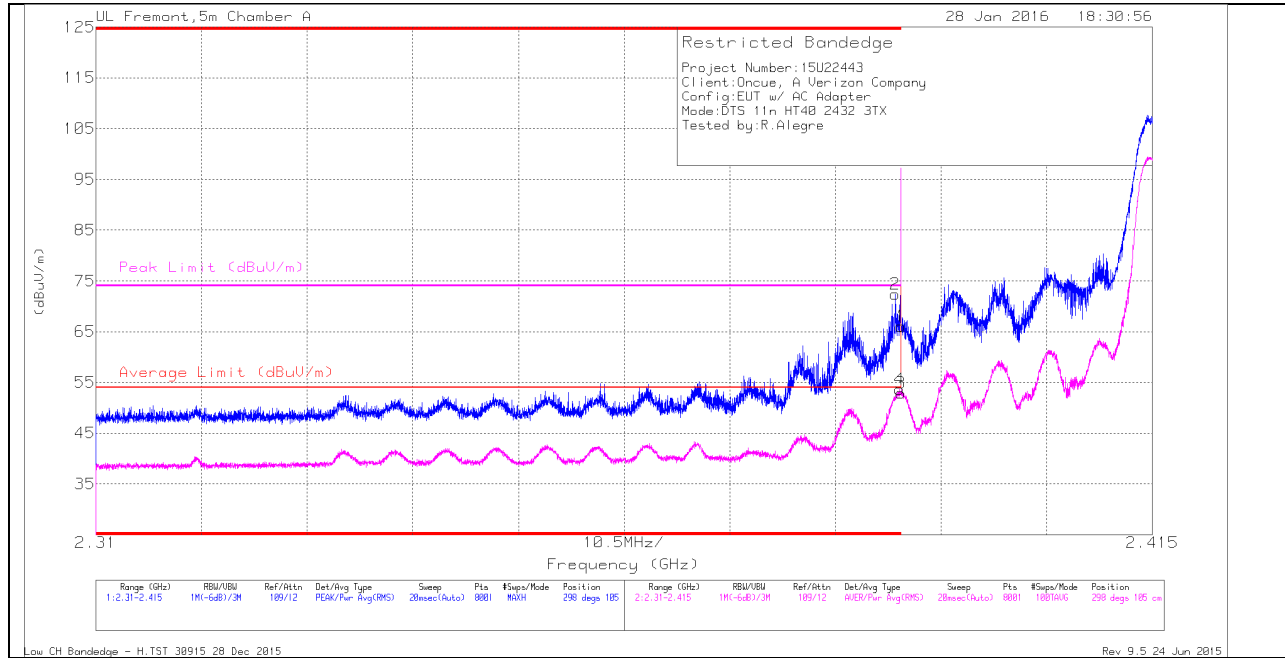
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 5)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

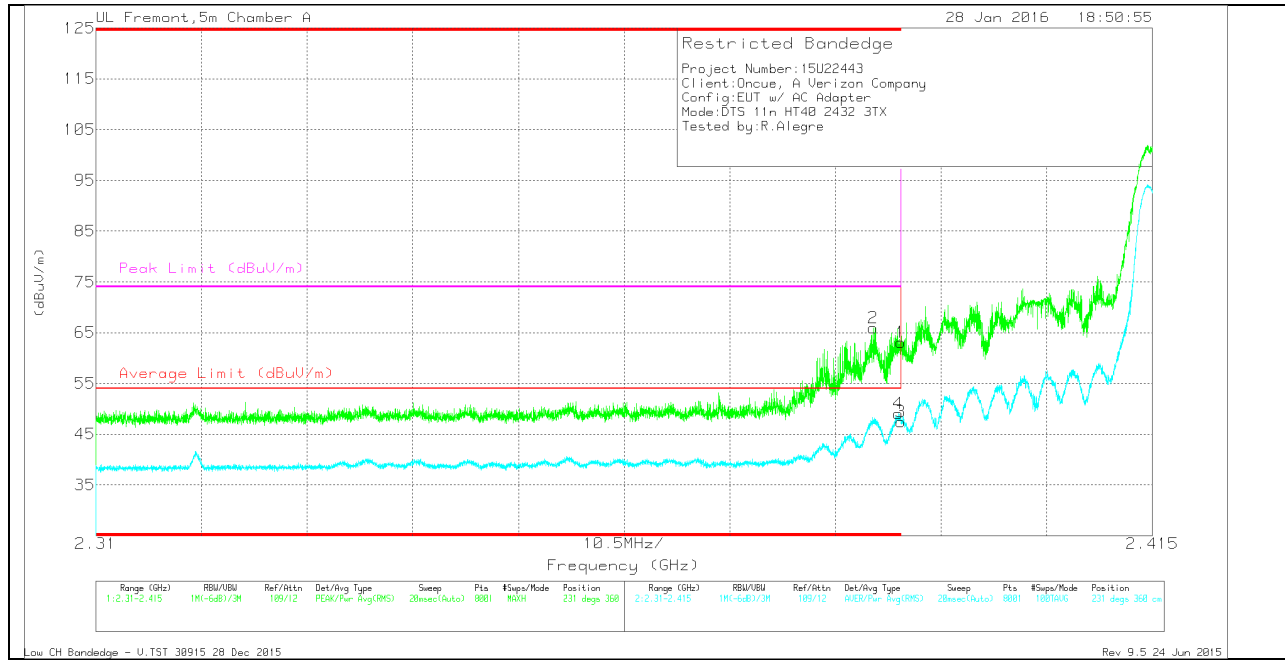
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	60.32	Pk	32	-19.9	0	72.42	-	-	74	-1.58	298	105	H
1	* 2.39	54	Pk	32	-19.9	0	66.1	-	-	74	-7.9	298	105	H
3	* 2.39	40.77	RMS	32	-19.9	0	52.87	54	-1.13	-	-	298	105	H
4	* 2.39	41.57	RMS	32	-19.9	0	53.67	54	-0.33	-	-	298	105	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.387	53.88	Pk	32	-19.9	0	65.98	-	-	74	-8.02	231	360	V
1	* 2.39	50.94	Pk	32	-19.9	0	63.04	-	-	74	-10.96	231	360	V
3	* 2.39	35.39	RMS	32	-19.9	0	47.49	54	-6.51	-	-	231	360	V
4	* 2.39	36.91	RMS	32	-19.9	0	49.01	54	-4.99	-	-	231	360	V

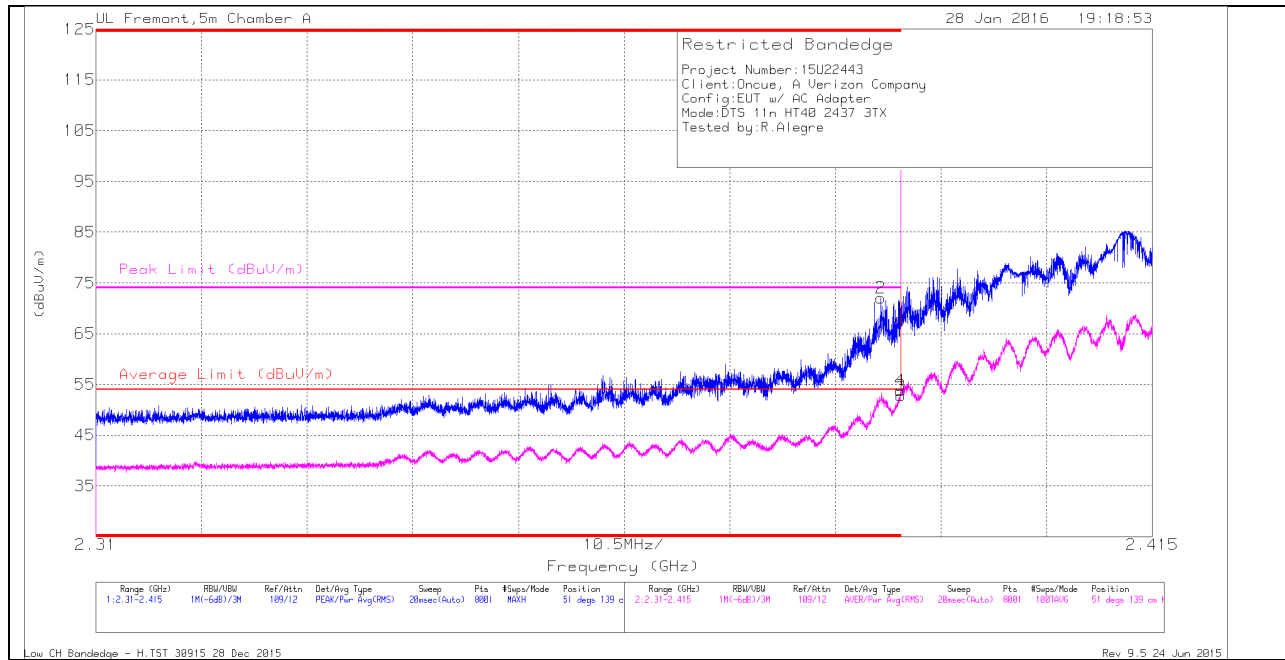
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL 6)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.82	Pk	32	-19.9	0	67.92	-	-	74	-6.08	51	139	H
2	* 2.388	59.95	Pk	32	-19.9	0	72.05	-	-	74	-1.95	51	139	H
3	* 2.39	40.7	RMS	32	-19.9	0	52.8	54	-1.2	-	-	51	139	H
4	* 2.39	41.67	RMS	32	-19.9	0	53.77	54	-23	-	-	51	139	H

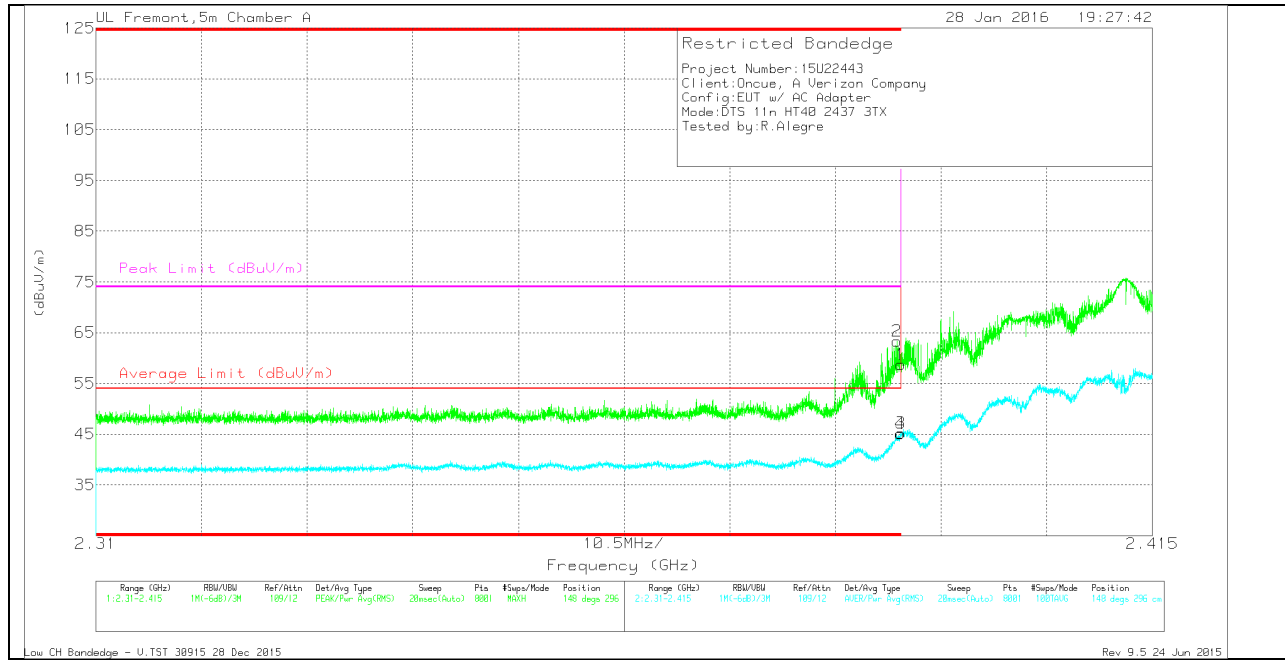
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	46.68	Pk	32	-19.9	0	58.78	-	-	74	-15.22	148	296	V
2	* 2.39	51.26	Pk	32	-19.9	0	63.36	-	-	74	-10.64	148	296	V
3	* 2.39	33.1	RMS	32	-19.9	0	45.2	54	-8.8	-	-	148	296	V
4	* 2.39	32.99	RMS	32	-19.9	0	45.09	54	-8.91	-	-	148	296	V

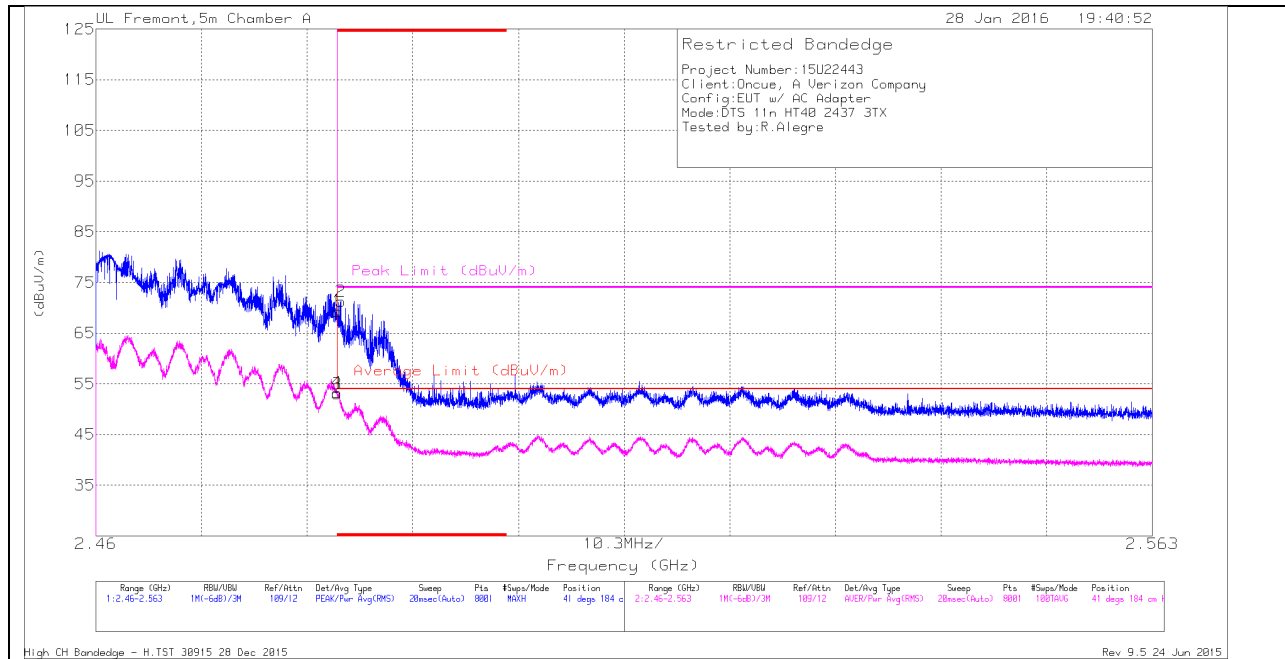
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL 6)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

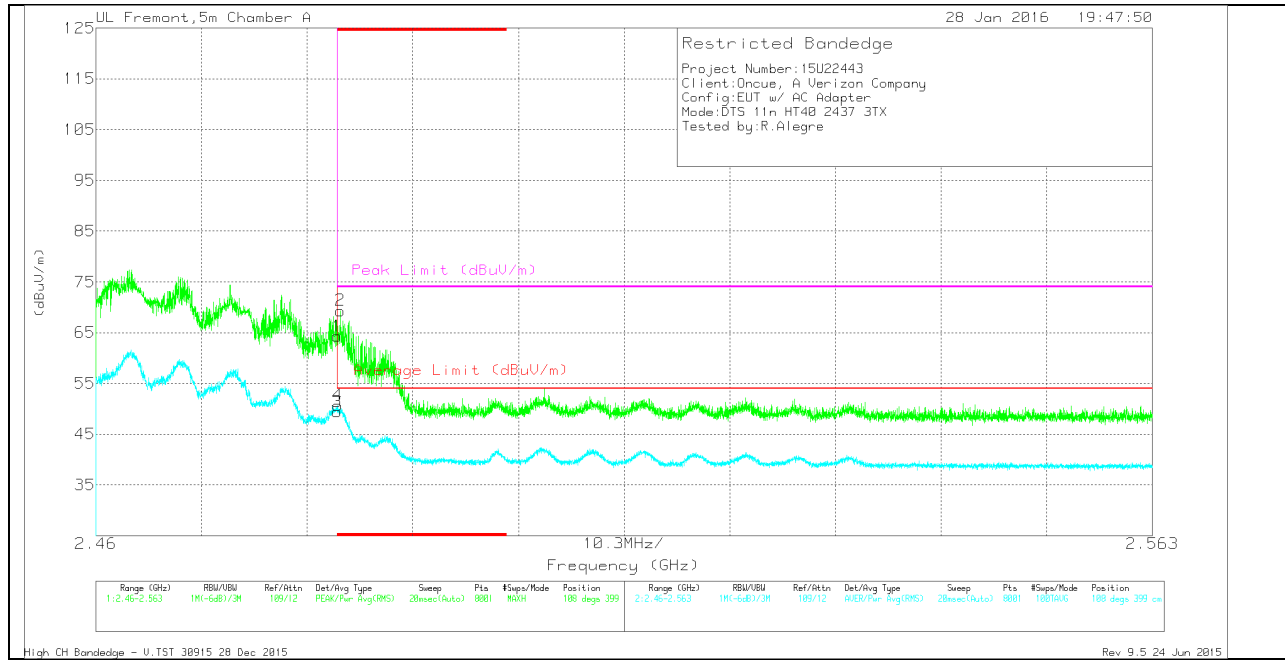
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	57.25	Pk	32.1	-20	0	69.35	-	-	74	-4.65	41	184	H
2	* 2.484	59.19	Pk	32.1	-20	0	71.29	-	-	74	-2.71	41	184	H
3	* 2.484	40.92	RMS	32.1	-20	0	53.02	54	-98	-	-	41	184	H
4	* 2.484	41.12	RMS	32.1	-20	0	53.22	54	-78	-	-	41	184	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.17	Pk	32.1	-20	0	64.27	-	-	74	-9.73	108	399	V
2	* 2.484	57.25	Pk	32.1	-20	0	69.35	-	-	74	-4.65	108	399	V
3	* 2.484	37.34	RMS	32.1	-20	0	49.44	54	-4.56	-	-	108	399	V
4	* 2.484	38.59	RMS	32.1	-20	0	50.69	54	-3.31	-	-	108	399	V

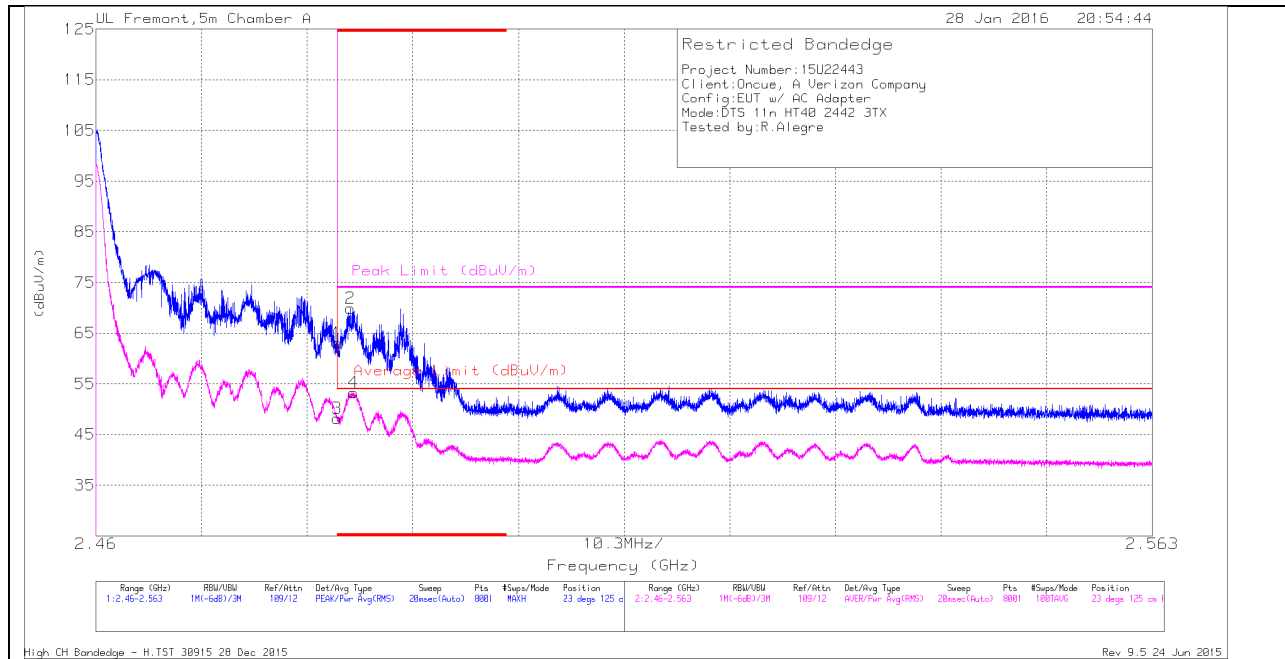
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 7)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

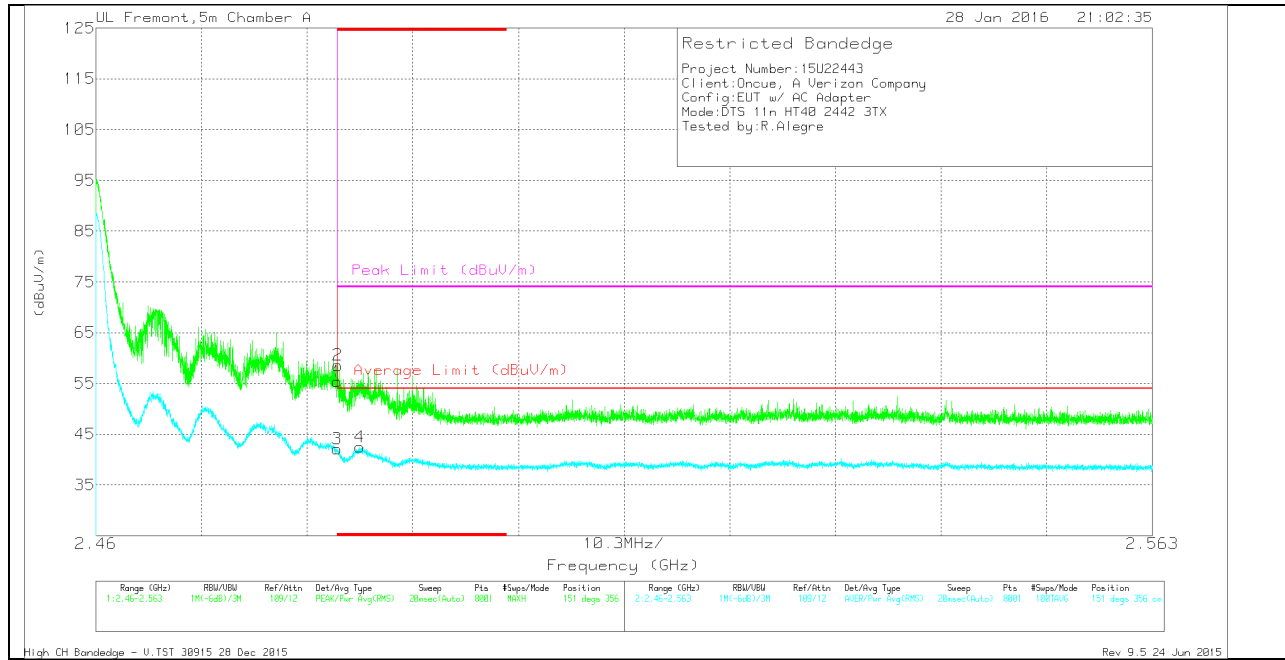
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.98	Pk	32.1	-20	0	63.08	-	-	74	-10.92	23	125	H
3	* 2.484	36.13	RMS	32.1	-20	0	48.23	54	-5.77	-	-	23	125	H
2	* 2.485	57.79	Pk	32.1	-20	0	69.89	-	-	74	-4.11	23	125	H
4	* 2.485	41.2	RMS	32.1	-20	0	53.3	54	-7	-	-	23	125	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.33	Pk	32.1	-20	0	55.43	-	-	74	-18.57	151	356	V
2	* 2.484	46.45	Pk	32.1	-20	0	58.55	-	-	74	-15.45	151	356	V
3	* 2.484	29.97	RMS	32.1	-20	0	42.07	54	-11.93	-	-	151	356	V
4	* 2.486	30.32	RMS	32.1	-20	0	42.42	54	-11.58	-	-	151	356	V

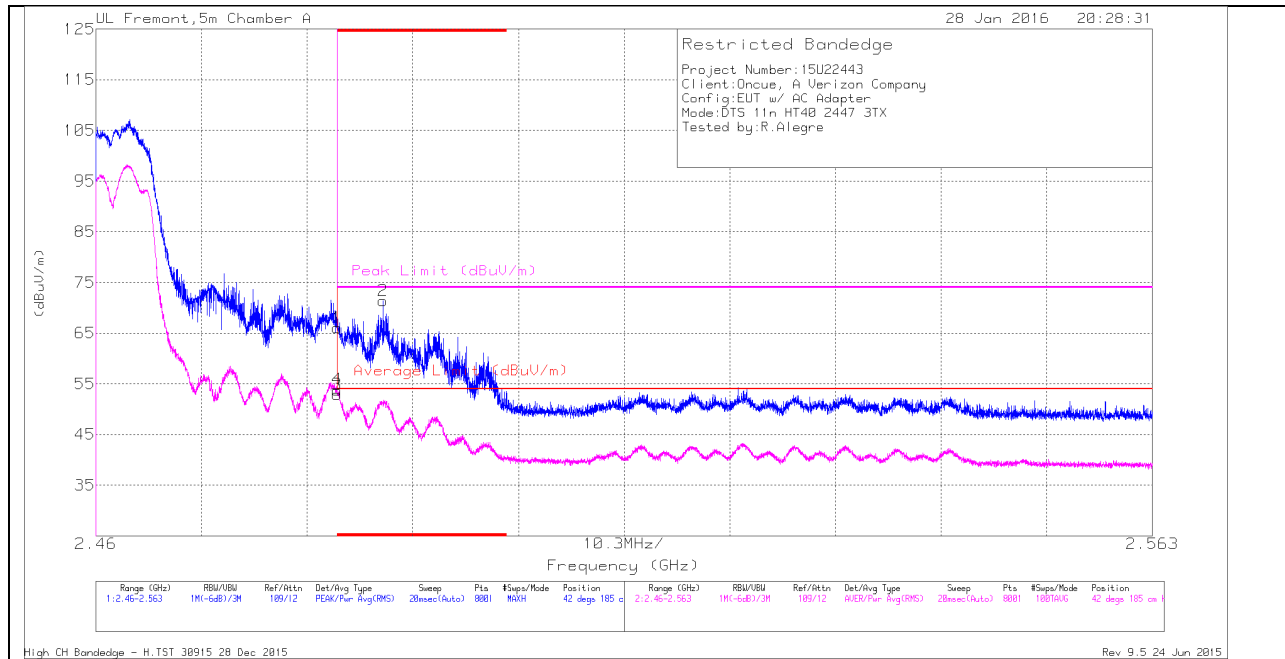
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (CHANNEL 8)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

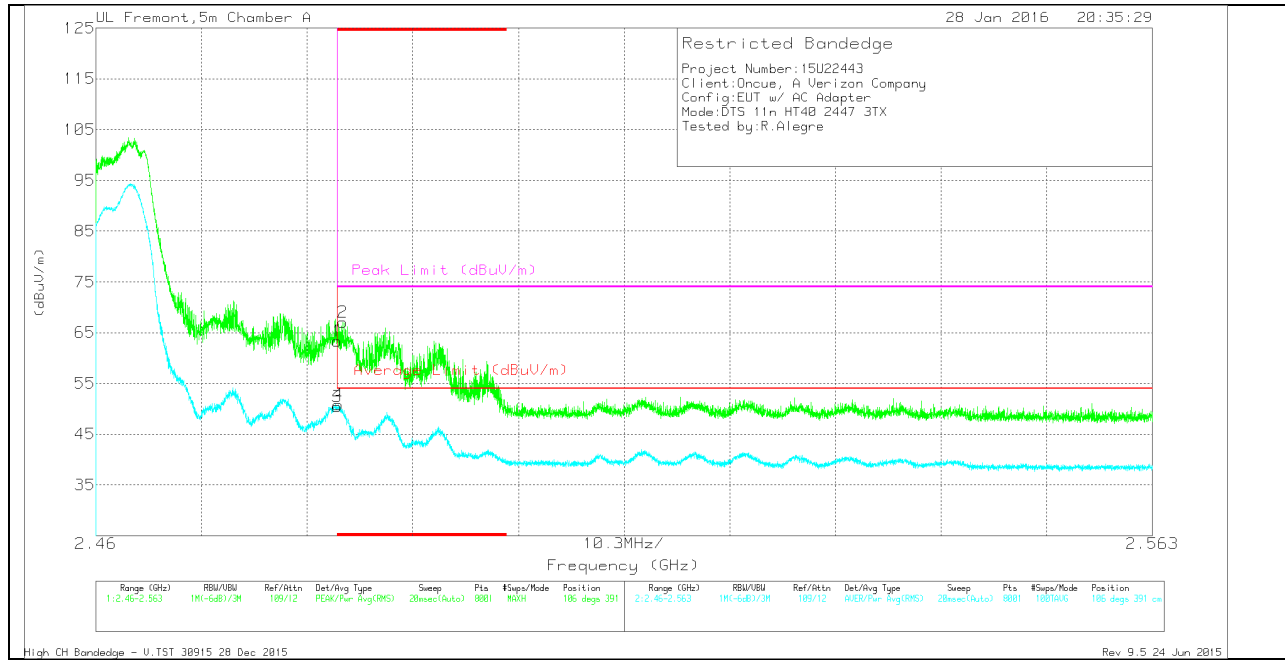
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.94	Pk	32.1	-20	0	66.04	-	-	74	-7.96	42	185	H
3	* 2.484	40.83	RMS	32.1	-20	0	52.93	54	-1.07	-	-	42	185	H
4	* 2.484	41.73	RMS	32.1	-20	0	53.83	54	-1.17	-	-	42	185	H
2	* 2.488	59.35	Pk	32.1	-20	0	71.45	-	-	74	-2.55	42	185	H

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.18	Pk	32.1	-20	0	63.28	-	-	74	-10.72	106	391	V
2	* 2.484	54.93	Pk	32.1	-20	0	67.03	-	-	74	-6.97	106	391	V
3	* 2.484	38.31	RMS	32.1	-20	0	50.41	54	-3.59	-	-	106	391	V
4	* 2.484	38.72	RMS	32.1	-20	0	50.82	54	-3.18	-	-	106	391	V

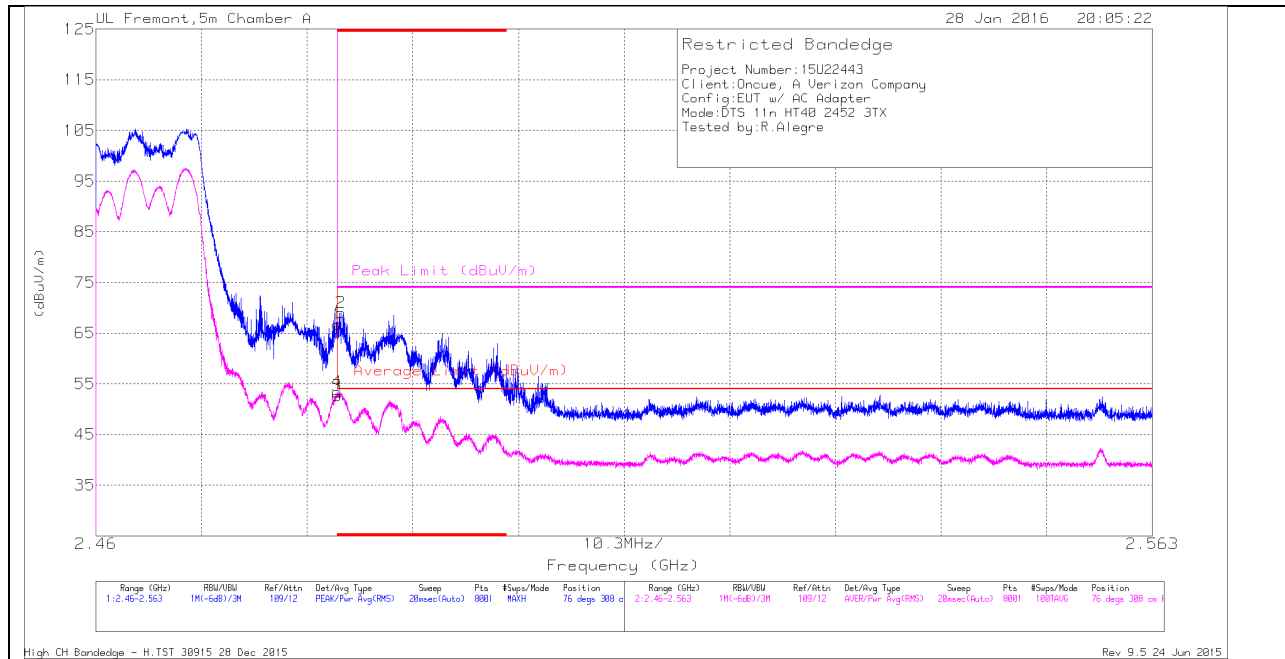
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (CHANNEL 9)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.58	Pk	32.1	-20	0	66.68	-	-	74	-7.32	76	308	H
2	* 2.484	56.99	Pk	32.1	-20	0	69.09	-	-	74	-4.91	76	308	H
3	* 2.484	40.58	RMS	32.1	-20	0	52.68	54	-1.32	-	-	76	308	H
4	* 2.484	41.24	RMS	32.1	-20	0	53.34	54	-0.66	-	-	76	308	H

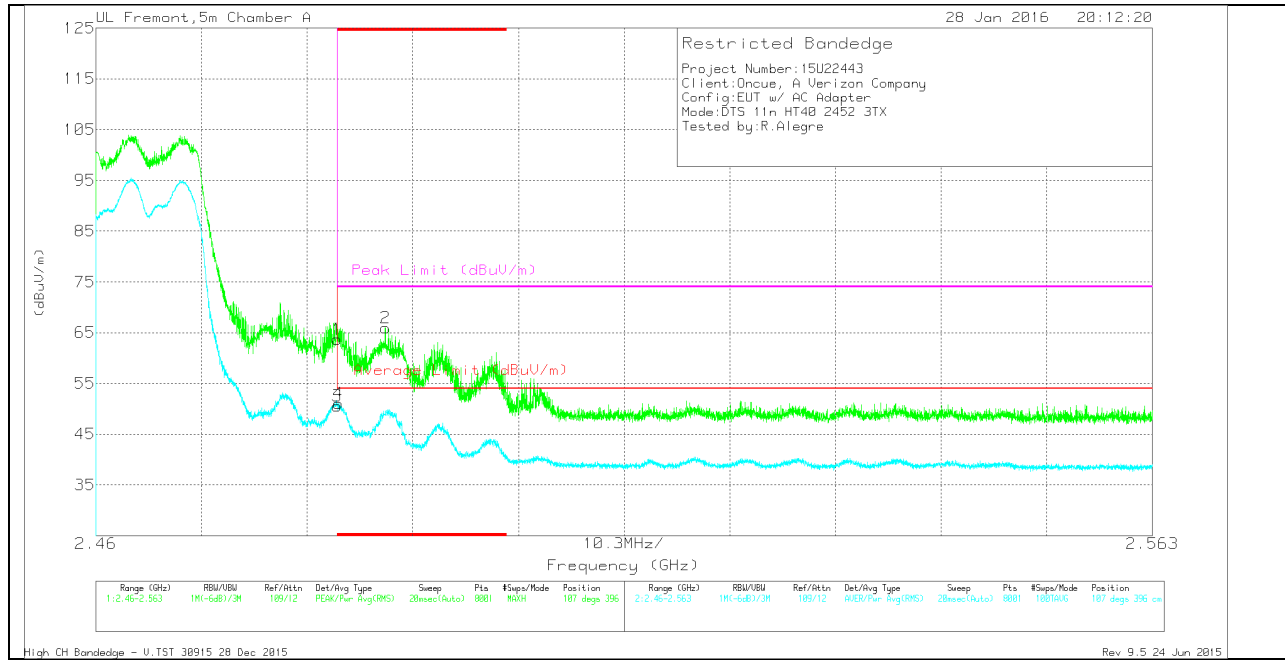
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.57	Pk	32.1	-20	0	63.67	-	-	74	-10.33	107	396	V
3	* 2.484	38.4	RMS	32.1	-20	0	50.5	54	-3.5	-	-	107	396	V
4	* 2.484	38.99	RMS	32.1	-20	0	51.09	54	-2.91	-	-	107	396	V
2	* 2.488	53.85	Pk	32.1	-20	0	65.95	-	-	74	-8.05	107	396	V

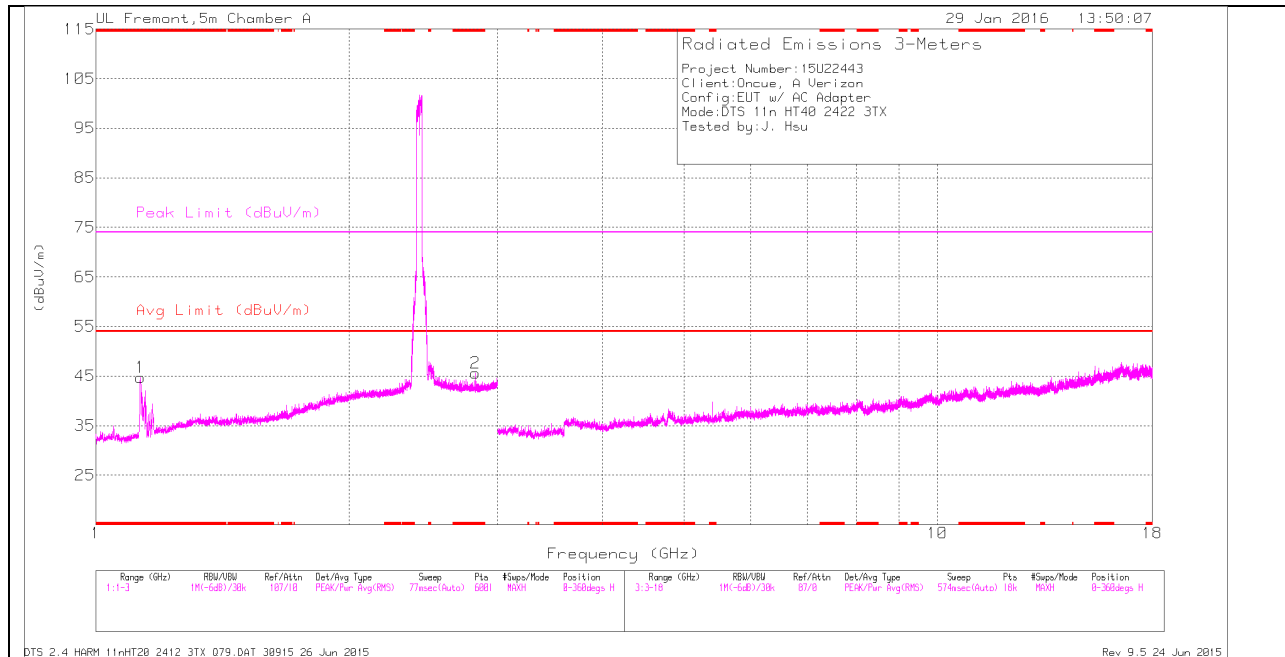
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

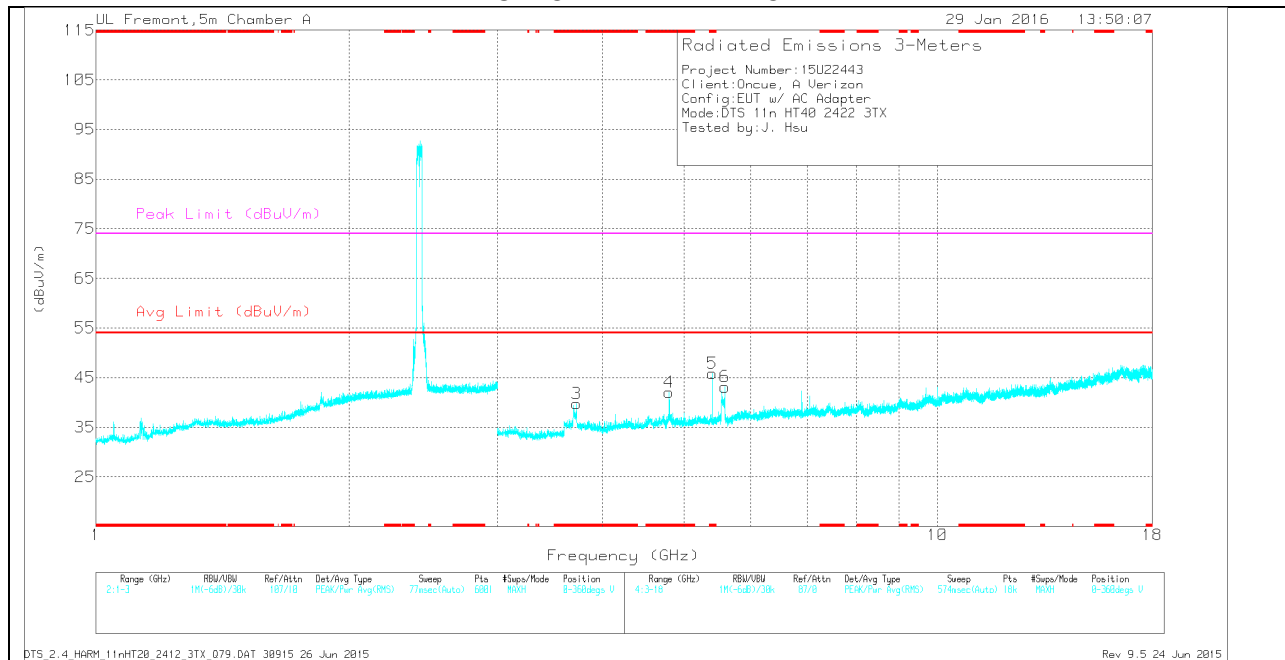
### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.129	39.47	Pk	27.5	-22.2	0	44.77	-	-	74	-29.23	0-360	101	H
2	* 2.826	33.62	Pk	32.5	-20.5	0	45.62	-	-	74	-28.38	0-360	101	H
3	* 3.727	38.27	Pk	33.3	-31.8	0	39.77	-	-	74	-34.23	0-360	200	V
4	* 4.8	37.85	Pk	34	-29.8	0	42.05	-	-	74	-31.95	0-360	100	V
5	* 5.4	40.63	Pk	34.6	-29.4	0	45.83	-	-	74	-28.17	0-360	100	V
6	5.592	37.93	Pk	34.5	-29.3	0	43.13	-	-	-	-	0-360	200	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

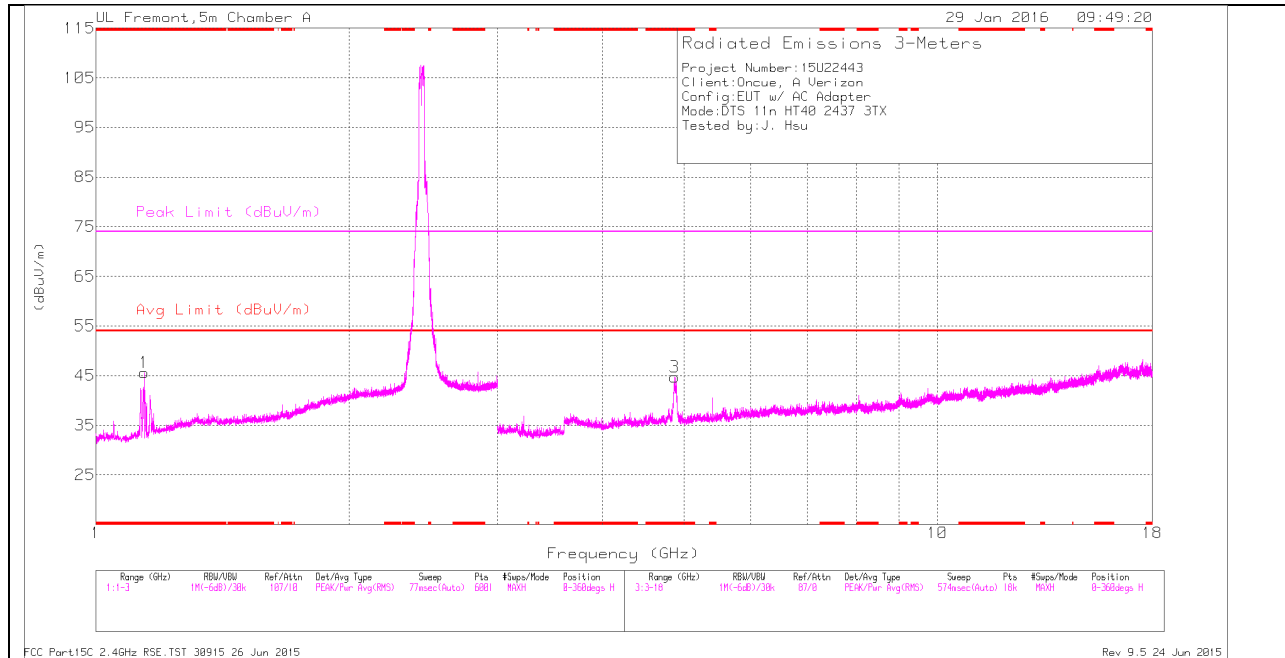
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.13	37.27	PK2	27.5	-22.2	0	42.57	-	-	74	-31.43	0	100	H
* 1.13	25.06	MAV1	27.5	-22.2	0	30.36	54	-23.64	-	-	0	100	H
* 2.825	39.71	PK2	32.5	-20.5	0	51.71	-	-	74	-22.29	319	232	H
* 2.826	30.39	MAV1	32.5	-20.5	0	42.39	54	-11.61	-	-	319	232	H
* 3.728	47.48	PK2	33.3	-31.8	0	48.98	-	-	74	-25.02	2	292	V
* 3.727	32.97	MAV1	33.3	-31.8	0	34.47	54	-19.53	-	-	2	292	V
* 4.8	43.05	PK2	34	-29.8	0	47.25	-	-	74	-26.75	124	142	V
* 4.8	33.71	MAV1	34	-29.8	0	37.91	54	-16.09	-	-	124	142	V
* 5.4	44.54	PK2	34.6	-29.4	0	49.74	-	-	74	-24.26	47	106	V
* 5.4	39.18	MAV1	34.6	-29.4	0	44.38	54	-9.62	-	-	47	106	V
5.592	46.29	PK2	34.5	-29.3	0	51.49	-	-	74	-22.51	338	272	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

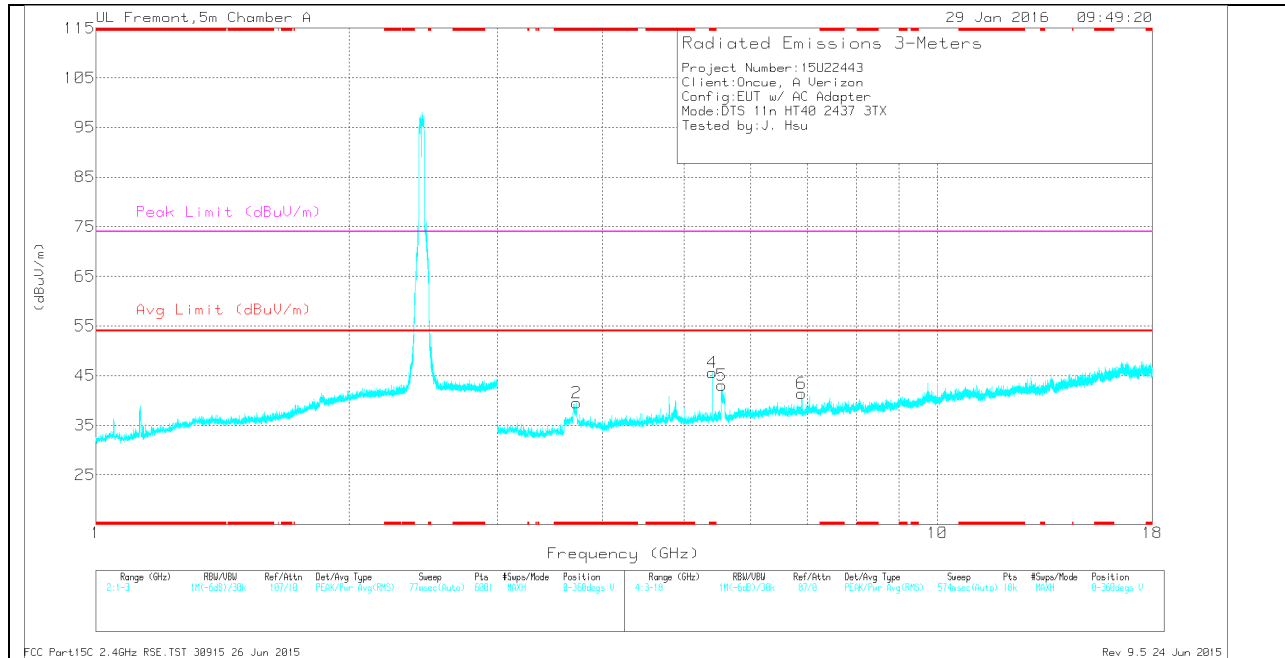
MAV1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**MID CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.142	40.18	Pk	27.6	-22.2	0	45.58	-	-	74	-28.42	0-360	100	H
3	* 4.869	40.1	Pk	33.9	-29.3	0	44.7	-	-	74	-29.3	0-360	201	H
2	* 3.727	37.98	Pk	33.3	-31.8	0	39.48	-	-	74	-34.52	0-360	200	V
4	* 5.4	40.45	Pk	34.6	-29.4	0	45.65	-	-	74	-28.35	0-360	100	V
5	5.54	37.4	Pk	34.5	-28.8	0	43.1	-	-	-	-	0-360	200	V
6	6.9	32.44	Pk	35.6	-26.6	0	41.44	-	-	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

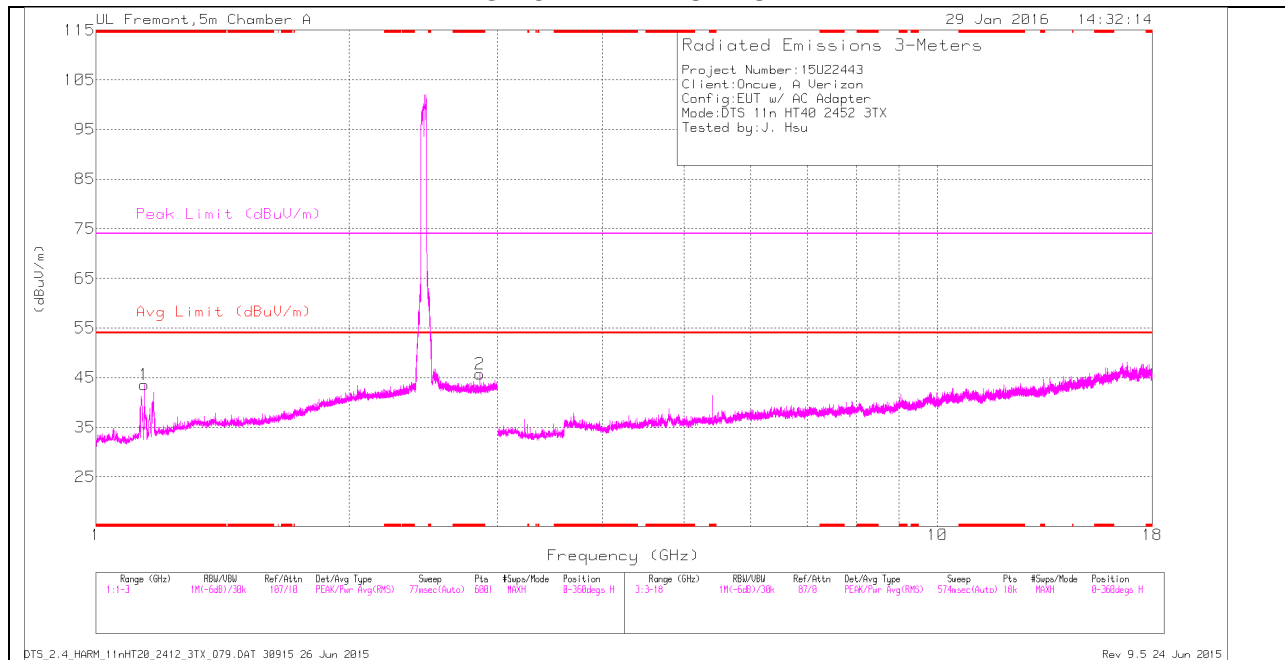
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.14	40.6	PK2	27.5	-22.2	0	45.9	-	-	74	-28.1	316	395	H
* 1.141	24.77	MAv1	27.5	-22.2	0	30.07	54	-23.93	-	-	316	395	H
* 4.871	49.79	PK2	33.9	-29.3	0	54.39	-	-	74	-19.61	318	173	H
* 4.871	35.52	MAv1	33.9	-29.3	0	40.12	54	-13.88	-	-	318	173	H
* 3.726	48.29	PK2	33.3	-31.8	0	49.79	-	-	74	-24.21	354	331	V
* 3.727	33.41	MAv1	33.3	-31.8	0	34.91	54	-19.09	-	-	354	331	V
* 5.4	44.7	PK2	34.6	-29.4	0	49.9	-	-	74	-24.1	59	103	V
* 5.4	39.23	MAv1	34.6	-29.4	0	44.43	54	-9.57	-	-	59	103	V
5.54	48.29	PK2	34.5	-28.8	0	53.99	-	-	74	-20.01	336	263	V
6.9	38.13	PK2	35.6	-26.6	0	47.13	-	-	74	-26.87	40	138	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

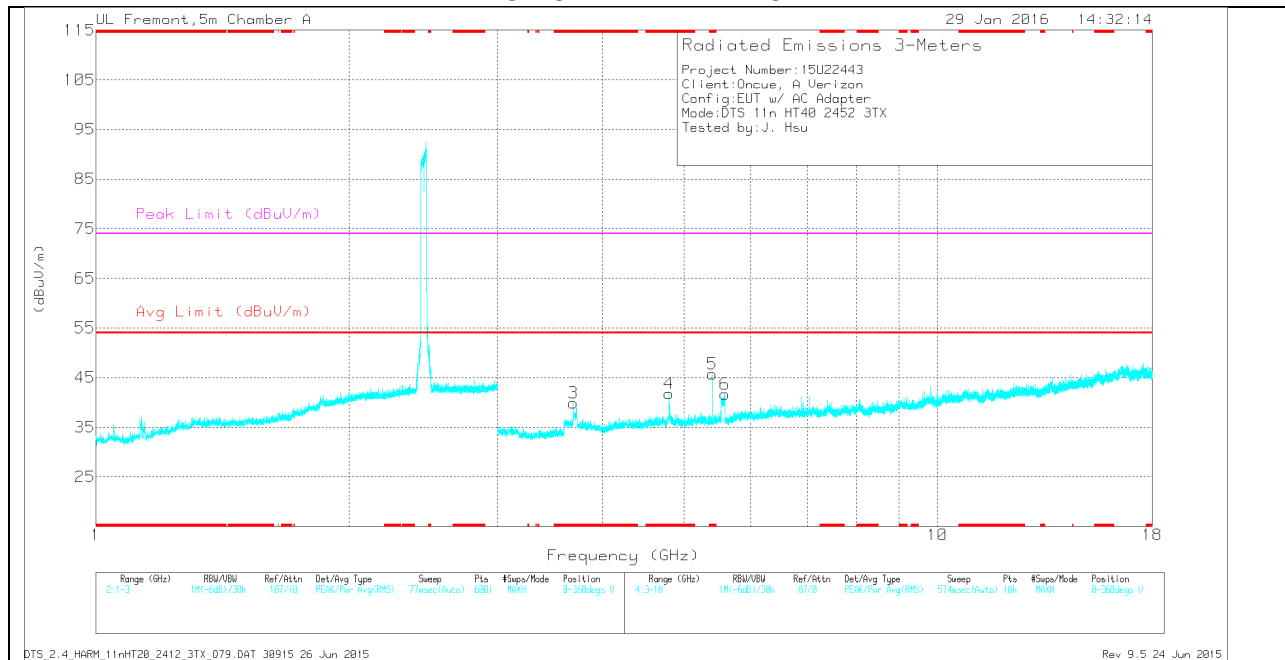
**HIGH CHANNEL HORIZONTAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



**HIGH CHANNEL VERTICAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**HIGH CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.141	38.15	Pk	27.6	-22.2	0	43.55	-	-	74	-30.45	0-360	201	H
2	* 2.861	33.65	Pk	32.6	-20.5	0	45.75	-	-	74	-28.25	0-360	100	H
3	* 3.693	38.19	Pk	33.2	-31.5	0	39.89	-	-	74	-34.11	0-360	200	V
4	* 4.8	37.63	Pk	34	-29.8	0	41.83	-	-	74	-32.17	0-360	100	V
5	* 5.4	40.54	Pk	34.6	-29.4	0	45.74	-	-	74	-28.26	0-360	100	V
6	5.589	36.35	Pk	34.5	-29.2	0	41.65	-	-	-	-	0-360	200	V

\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.14	36.62	PK2	27.5	-22.2	0	41.92	-	-	74	-32.08	360	100	H
* 1.14	24.93	MAv1	27.5	-22.2	0	30.23	54	-23.77	-	-	360	100	H
* 2.861	41.11	PK2	32.6	-20.5	0	53.21	-	-	74	-20.79	26	148	H
* 2.861	31.98	MAv1	32.6	-20.5	0	44.08	54	-9.92	-	-	26	148	H
* 3.693	48.73	PK2	33.2	-31.5	0	50.43	-	-	74	-23.57	360	294	V
* 3.693	33.77	MAv1	33.2	-31.5	0	35.47	54	-18.53	-	-	360	294	V
* 4.8	44.27	PK2	34	-29.8	0	48.47	-	-	74	-25.53	113	100	V
* 4.8	34.68	MAv1	34	-29.8	0	38.88	54	-15.12	-	-	113	100	V
* 5.4	44.72	PK2	34.6	-29.4	0	49.92	-	-	74	-24.08	54	100	V
* 5.4	39.12	MAv1	34.6	-29.4	0	44.32	54	-9.68	-	-	54	100	V
5.589	47.6	PK2	34.5	-29.2	0	52.9	-	-	74	-21.1	326	258	V

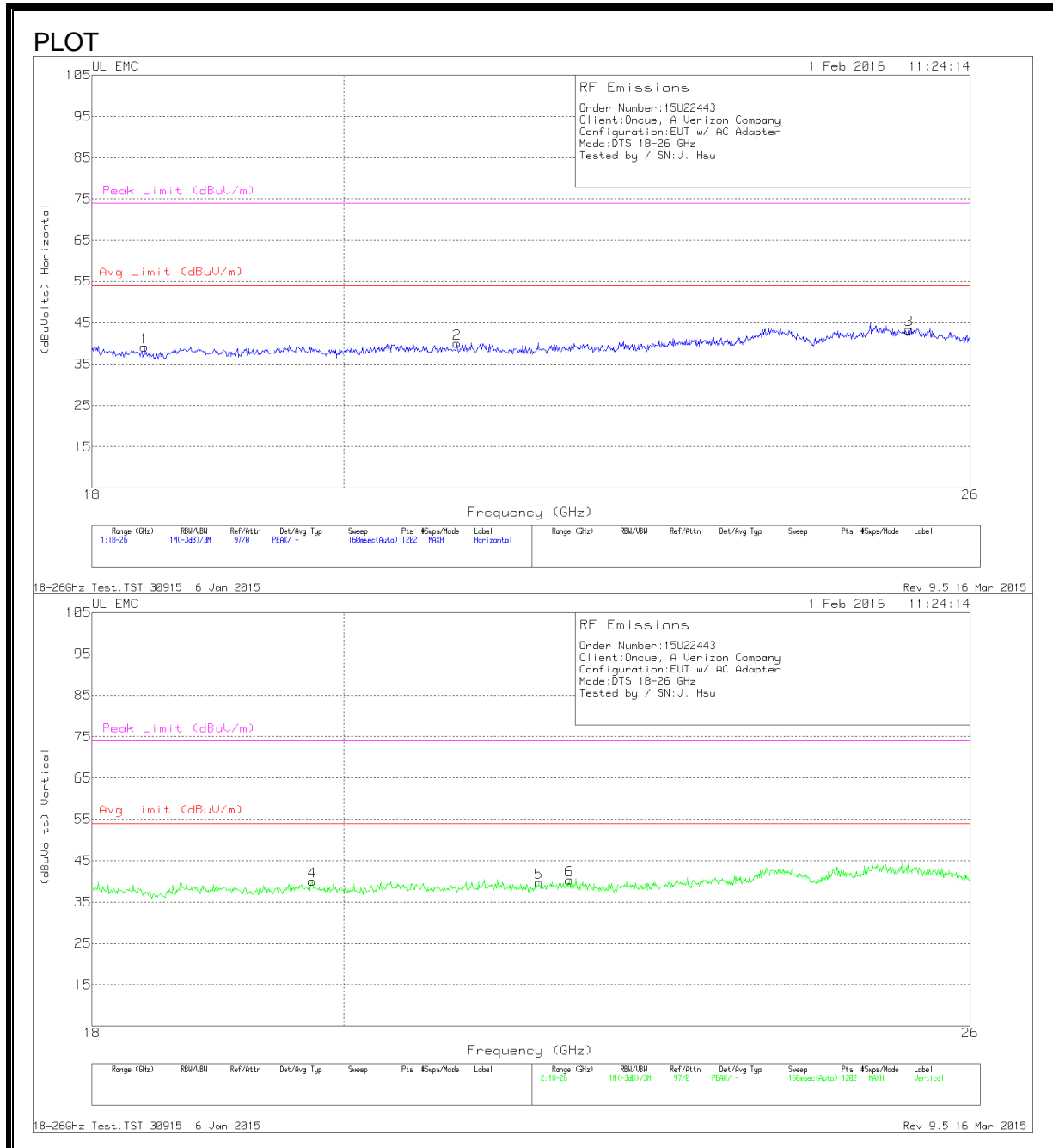
\* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 9.8. WORST-CASE ABOVE 18GHz

### SPURIOUS EMISSIONS 18 – 26GHz



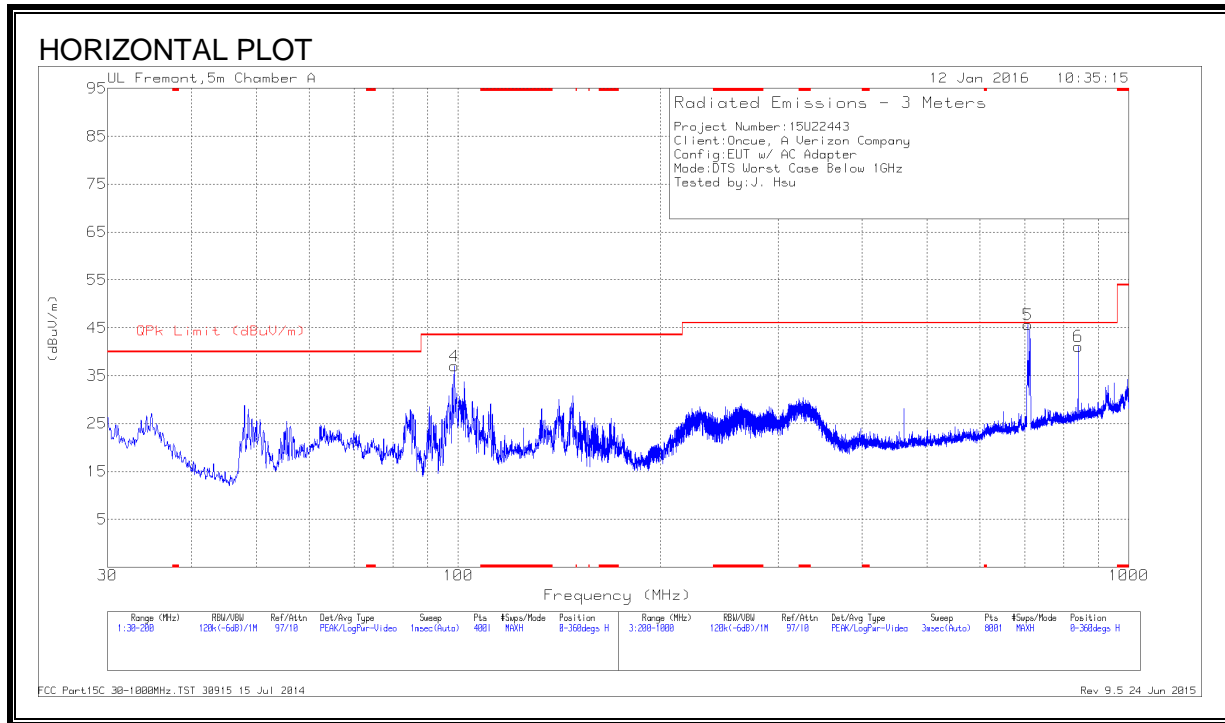
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T477 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	18.4	41.57	Pk	32.3	-25.2	-9.5	39.17	54	-14.83	74	-34.83
2	20.971	42.2	Pk	32.9	-25.6	-9.5	40	54	-14	74	-34
3	25.341	43.23	Pk	34.2	-24.6	-9.5	43.33	54	-10.67	74	-30.67
4	19.739	41.6	Pk	32.8	-24.9	-9.5	40	54	-14	74	-34
5	21.704	40.77	Pk	33	-24.6	-9.5	39.67	54	-14.33	74	-34.33
6	21.983	41.73	Pk	33.1	-25	-9.5	40.33	54	-13.67	74	-33.67

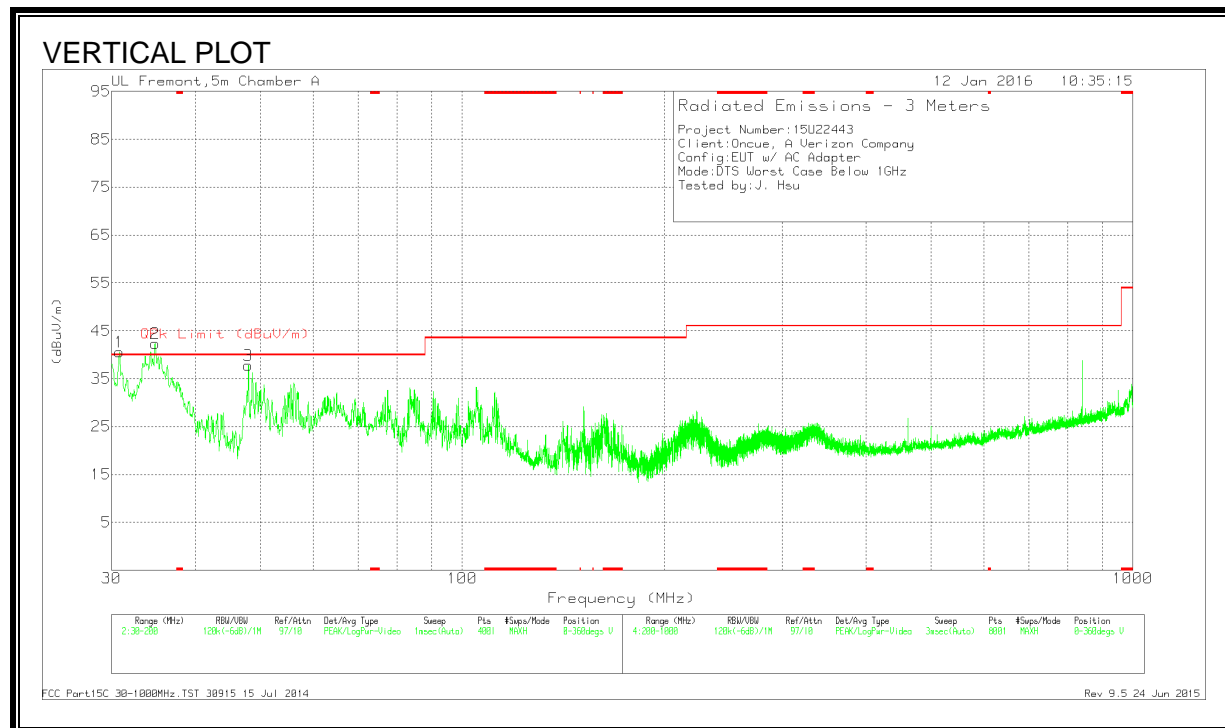
Pk - Peak detector

### 9.9. 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)



Radiated Emissions

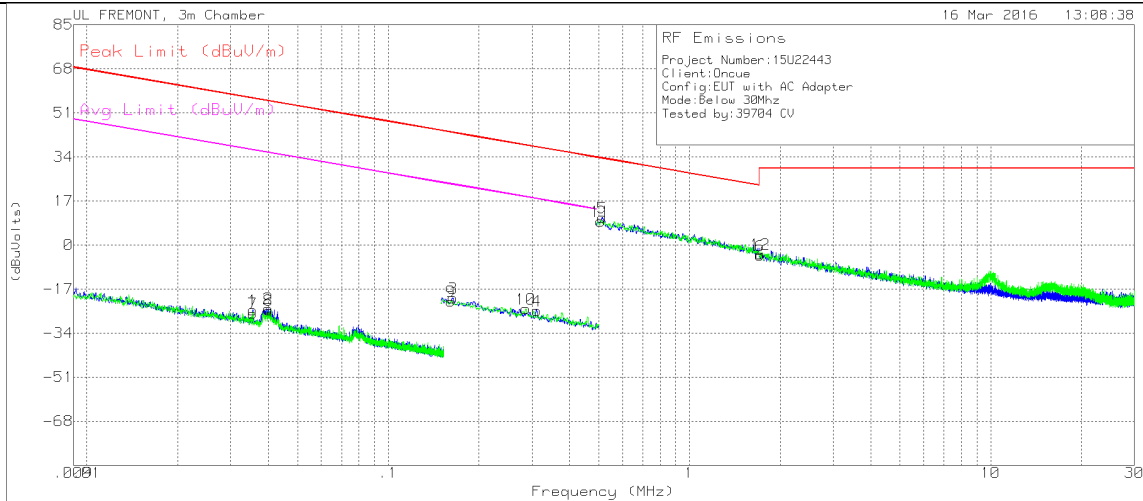
Marker	Frequency (MHz)	Meter Reading g (dBuV)	Det	AF T477 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.8075	47.19	Pk	24.6	-31.2	40.59	40	.59	0-360	101	V
	30.6357	43.24	Qp	24.7	-31.2	36.74	40	-3.26	260	110	V
2	34.845	52.01	Pk	21.6	-31.2	42.41	40	2.41	0-360	101	V
	34.6146	46.78	Qp	21.8	-31.2	37.38	40	-2.62	133	126	V
3	47.9775	56.25	Pk	12.6	-31.1	37.75	40	-2.25	0-360	101	V
	47.8066	53.85	Qp	12.7	-31.1	35.45	40	-4.55	260	116	V
4	98.6588	53.82	Pk	13.8	-30.6	37.02	43.52	-6.5	0-360	299	H
5	706.6	49.49	Pk	24.3	-28.1	45.69	46.02	-.33	0-360	101	H
	706.4982	26.92	Qp	24.3	-28.1	23.12	46.02	-22.9	124	213	H
6	840.9	43.15	Pk	25.8	-27.8	41.15	46.02	-4.87	0-360	399	H
	840.6725	22.82	Qp	25.8	-27.8	20.82	46.02	-25.2	231	247	H

Pk - Peak detector

Qp - Quasi-Peak detector

### 9.10 WORST-CASE BELOW 30 MHz

#### RESULTS



Range (MHz)	RFU/BU	Ref/Attn	Det/Avg Type	Sweep	Pls	#Sps/Mode	Position	Range (MHz)	RFU/BU	Ref/Attn	Det/Avg Type	Sweep	Pls	#Sps/Mode	Position
1: .005-15	10K(-3dB)/30	07/0	PK/Pk	40sec(Auto)	15k	NOH	0-360deg	5: .005-15	10K(-3dB)/30	07/0	PK/Pk	40sec(Auto)	15k	NOH	0-360deg
2: 15-49	10K(-3dB)/30	07/0	PK/Pk	40sec(Auto)	27k	NOH	0-360deg	6: 15-49	10K(-3dB)/30	07/0	PK/Pk	40sec(Auto)	27k	NOH	0-360deg
3: 49-1.705	10K(-3dB)/30	07/0	PK/Pk	40sec(Auto)	15k	NOH	0-360deg	7: 49-1.705	10K(-3dB)/30	07/0	PK/Pk	40sec(Auto)	15k	NOH	0-360deg
4: 1.705-30	10K(-3dB)/30	07/0	PK/Pk	40sec(Auto)	27k	NOH	0-360deg	8: 1.705-30	10K(-3dB)/30	07/0	PK/Pk	40sec(Auto)	27k	NOH	0-360deg

FCC 15.209 Below 30MHz.TST

Rev. 9.5.26 Feb. 2015

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
7	.03551	39.64	Pk	12.5	1.4	-80	-26.46	56.6	-83.06	36.6	-63.06	0-360
1	.03554	40.99	Pk	12.5	1.4	-80	-25.11	56.59	-81.7	36.59	-61.7	0-360
2	.03998	41.99	Pk	12.1	1.4	-80	-24.51	55.57	-80.08	35.57	-60.08	0-360
8	.04012	41.26	Pk	12.1	1.4	-80	-25.24	55.54	-80.78	35.54	-60.78	0-360
9	.16147	45.9	Pk	10.8	1.5	-80	-21.8	43.44	-65.24	23.44	-45.24	0-360
3	.16412	47.18	Pk	10.8	1.5	-80	-20.52	43.3	-63.82	23.3	-43.82	0-360
10	.28651	43.02	Pk	10.8	1.5	-80	-24.68	38.46	-63.14	18.46	-43.14	0-360
4	.31146	42.31	Pk	10.8	1.5	-80	-25.39	37.74	-63.13	17.74	-43.13	0-360

#### Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
11	.50718	37.01	Pk	10.6	1.5	-40	9.11	33.5	-24.39	-	-	0-360
5	.51345	38.43	Pk	10.6	1.5	-40	10.53	33.39	-22.86	-	-	0-360
6	1.71443	23.53	Pk	10.8	1.5	-40	-4.17	29.54	-33.71	-	-	0-360
12	1.71967	24.11	Pk	10.8	1.5	-40	-3.59	29.54	-33.13	-	-	0-360

#### Pk - Peak detector

FCC 15.209 Below 30MHz.TST

Note: The anechoic chamber has been properly calibrated so that the measurement results correspond to what would be obtained from an open field sites.

## 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

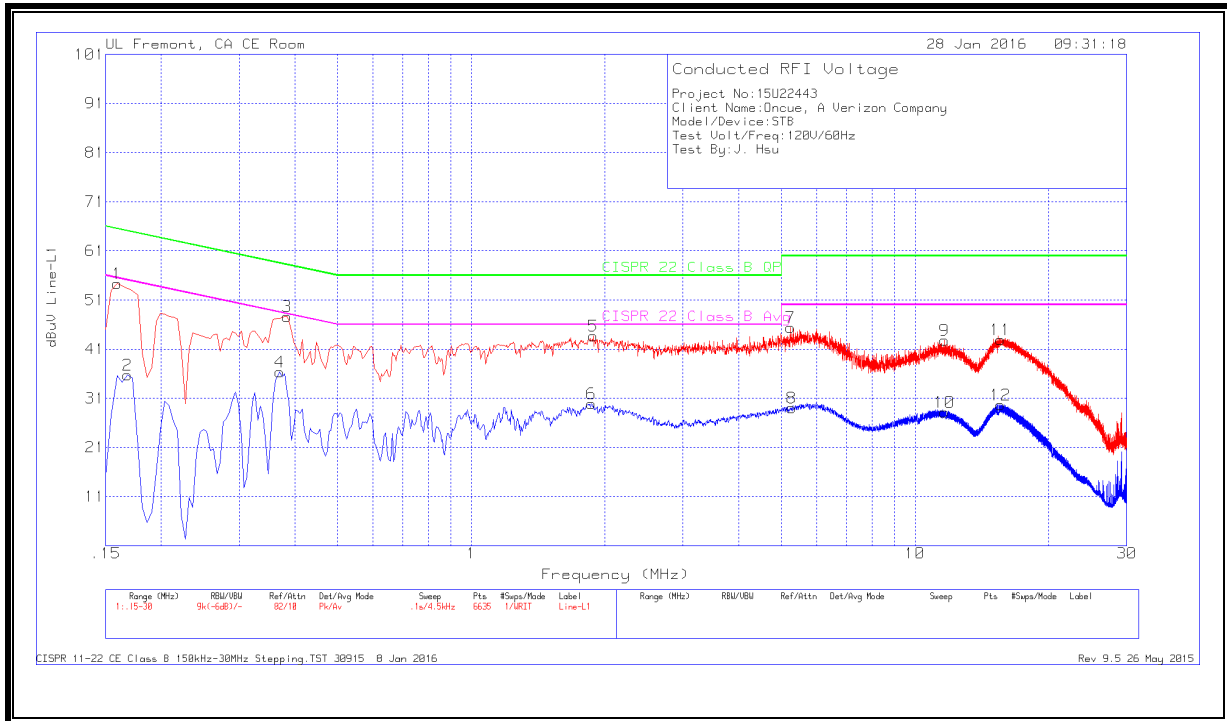
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

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**



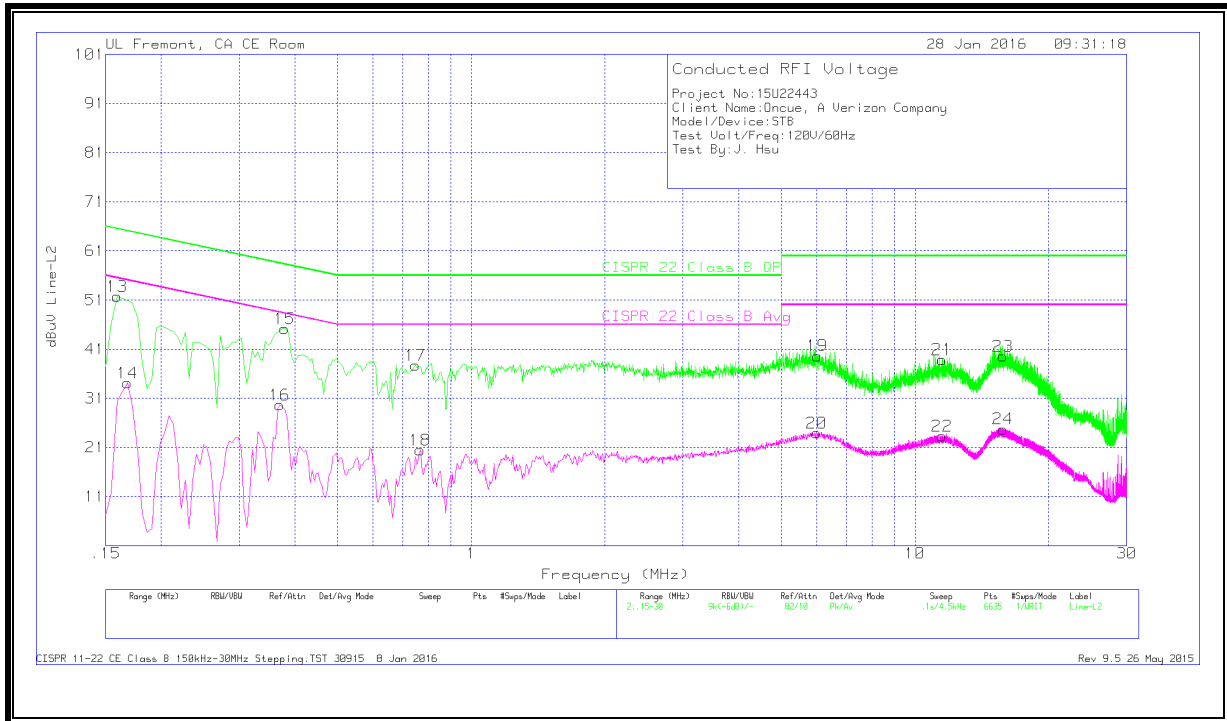
Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T1310 IL L1	LC Cables 1&3	Corrected Reading dBuV	CISPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
1	.159	54.33	Pk	0	0	54.33	65.52	-11.19		
2	.168	35.77	Av	0	0	35.77	-	-	55.06	-19.29
3	.384	47.7	Pk	0	0	47.7	58.19	-10.49		
4	.3705	36.31	Av	0	0	36.31	-	-	48.49	-12.18
5	1.8825	43.56	Pk	0	.1	43.66	56	-12.34		
6	1.8645	29.82	Av	0	.1	29.92	-	-	46	-16.08
7	5.235	45.27	Pk	0	.1	45.37	60	-14.63		
8	5.2755	28.93	Av	0	.1	29.03	-	-	50	-20.97
9	11.652	42.62	Pk	0	.2	42.82	60	-17.18		
10	11.634	27.9	Av	0	.2	28.1	-	-	50	-21.9
11	15.603	42.78	Pk	0	.2	42.98	60	-17.02		
12	15.585	29.5	Av	0	.2	29.7	-	-	50	-20.3

Pk - Peak detector

Av - Average detection

**LINE 2 RESULTS**



Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T1310 IL L2	LC Cables 2&3	Corrected Reading dBuV	CISPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
13	.159	51.72	Pk	0	0	51.72	65.52	-13.8		
14	.168	34.09	Av	0	0	34.09	-	-	55.06	-20.97
15	.3795	45.17	Pk	0	0	45.17	58.29	-13.12		
16	.3705	29.59	Av	0	0	29.59	-	-	48.49	-18.9
17	.7485	37.73	Pk	0	0	37.73	56	-18.27		
18	.7665	20.46	Av	0	0	20.46	-	-	46	-25.54
19	6.018	39.54	Pk	0	.1	39.64	60	-20.36		
20	6.009	23.84	Av	0	.1	23.94	-	-	50	-26.06
21	11.5035	38.69	Pk	0	.2	38.89	60	-21.11		
22	11.508	23.12	Av	0	.2	23.32	-	-	50	-26.68
23	15.783	39.38	Pk	0	.2	39.58	60	-20.42		
24	15.783	24.54	Av	0	.2	24.74	-	-	50	-25.26

Pk - Peak detector

Av - Average detection