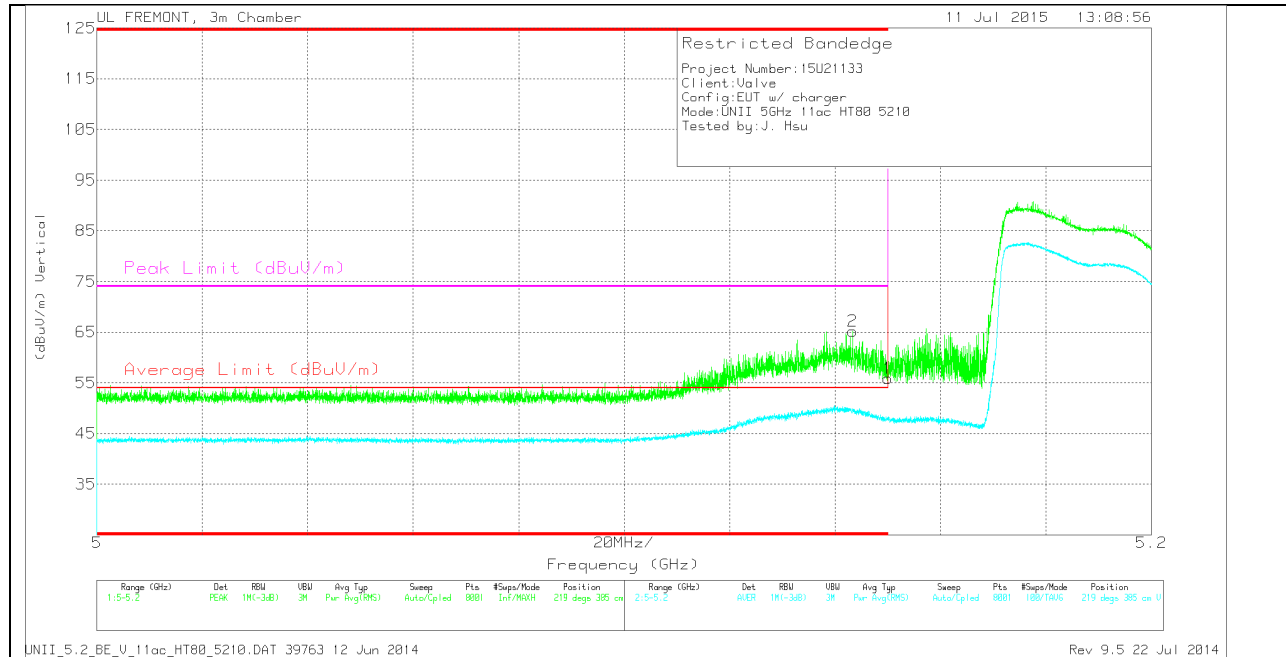


# VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 5.15	42.52	PK	34.2	-20.8	0	55.92	-	-	74	-18.08	219	385	V
2	* 5.143	51.66	PK	34.2	-20.7	0	65.16	-	-	74	-8.84	219	385	V
3	* 5.15	33.3	RMS	34.2	-20.8	1.02	47.72	54	-6.28	-	-	219	385	V
4	* 5.14	36.07	RMS	34.2	-20.8	1.02	50.49	54	-3.51	-	-	219	385	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

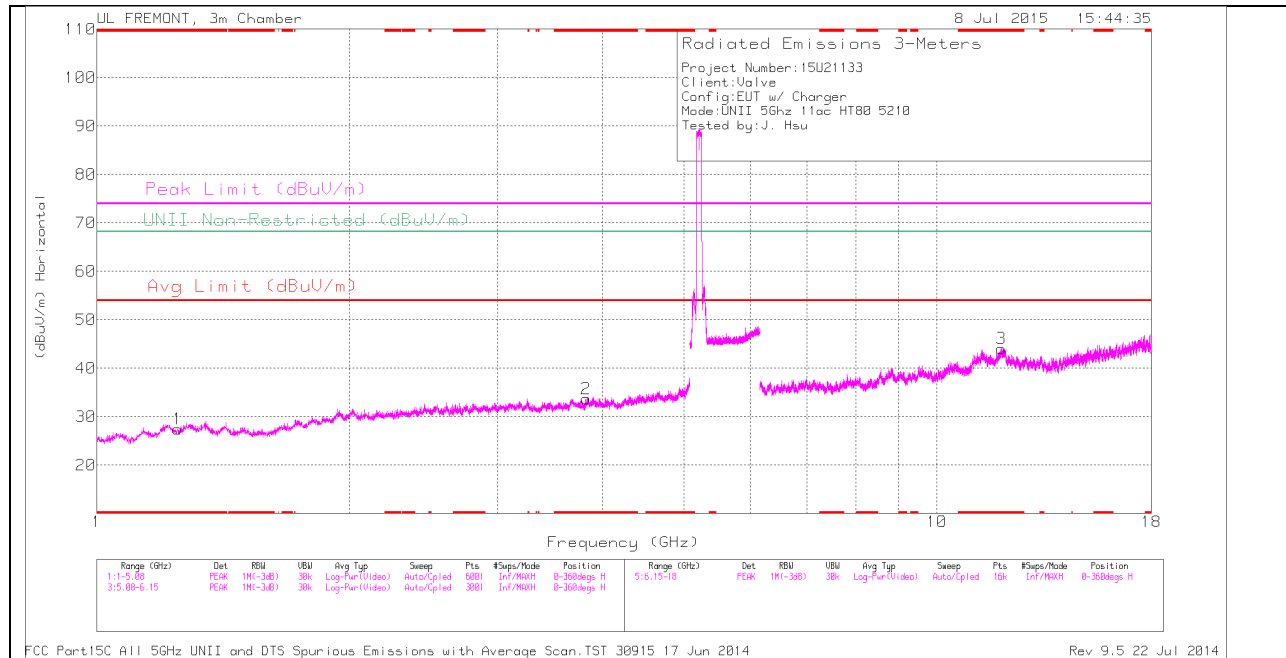
RMS - RMS detection

UNII\_5.2\_BE\_V\_11ac\_HT80\_5210.DAT 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

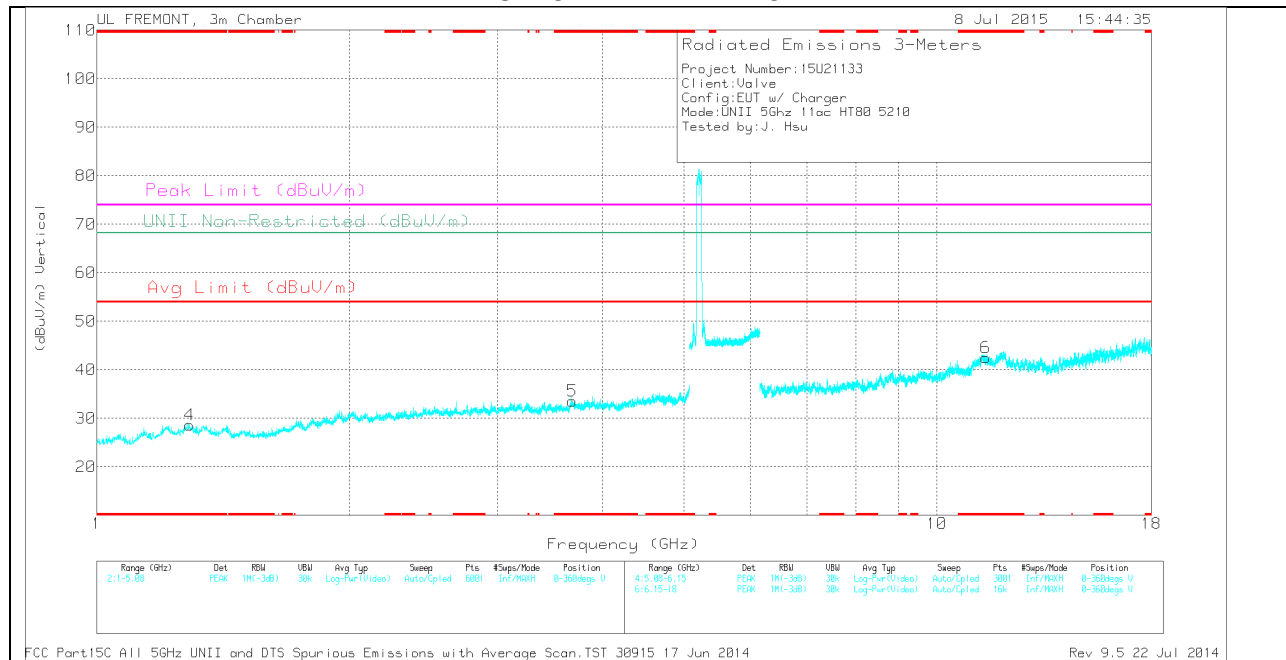
## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.248	30.84	PK	29.4	-32.8	0	27.44	-	-	74	-46.56	-	-	0-360	100	H
2	* 3.82	30.94	PK	33.1	-30.4	0	33.64	-	-	74	-40.36	-	-	0-360	100	H
4	* 1.29	31.77	PK	29.8	-33	0	28.57	-	-	74	-45.43	-	-	0-360	200	V
5	* 3.683	30.26	PK	33	-29.7	0	33.56	-	-	74	-40.44	-	-	0-360	200	V
3	* 11.931	28.53	PK	39.1	-23.6	0	44.03	-	-	74	-29.97	-	-	0-360	100	H
6	* 11.433	27.31	PK	38.3	-23.1	0	42.51	-	-	74	-31.49	-	-	0-360	200	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.246	40.49	PK1	29.4	-32.8	0	37.09	-	-	74	-36.91	-	-	360	100	H
* 1.248	29.07	AD1	29.4	-32.8	1.02	26.69	54	-27.31	-	-	-	-	360	100	H
* 3.821	39.78	PK1	33.1	-30.4	0	42.48	-	-	74	-31.52	-	-	360	100	H
* 3.819	28.58	AD1	33.1	-30.5	1.02	32.2	54	-21.8	-	-	-	-	360	100	H
* 1.288	41.54	PK1	29.8	-33	0	38.34	-	-	74	-35.66	-	-	360	100	V
* 1.289	29.91	AD1	29.8	-33	1.02	27.73	54	-26.27	-	-	-	-	360	100	V
* 3.683	40.5	PK1	33	-29.7	0	43.8	-	-	74	-30.2	-	-	360	100	V
* 3.684	28.54	AD1	33	-29.8	1.02	32.76	54	-21.24	-	-	-	-	360	100	V
* 11.929	37.39	PK1	39.1	-23.6	0	52.89	-	-	74	-21.11	-	-	360	100	H
* 11.933	25.92	AD1	39.1	-23.6	1.02	42.44	54	-11.56	-	-	-	-	360	100	H
* 11.434	36.35	PK1	38.3	-23	0	51.65	-	-	74	-22.35	-	-	360	100	V
* 11.435	25.26	AD1	38.3	-23	1.02	41.58	54	-12.42	-	-	-	-	360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

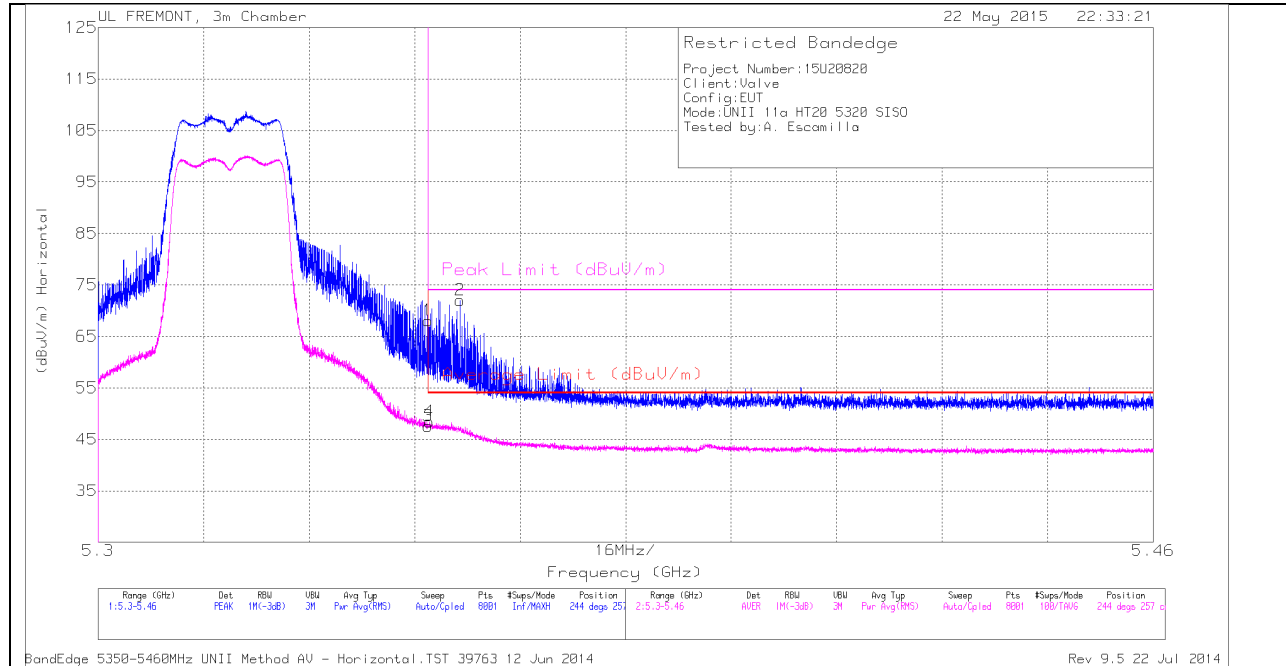
FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

## 12.2. 5.3 GHz

### 12.2.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	5.35	55	PK	34.5	-21.4	68.1	-	-	74	-5.9	244	257	H
3	5.35	34.5	RMS	34.5	-21.4	47.6	54	-6.4	-	-	244	257	H
4	5.35	35.34	RMS	34.5	-21.4	48.44	54	-5.56	-	-	244	257	H
2	5.355	59.02	PK	34.5	-21.5	72.02	-	-	74	-1.98	244	257	H

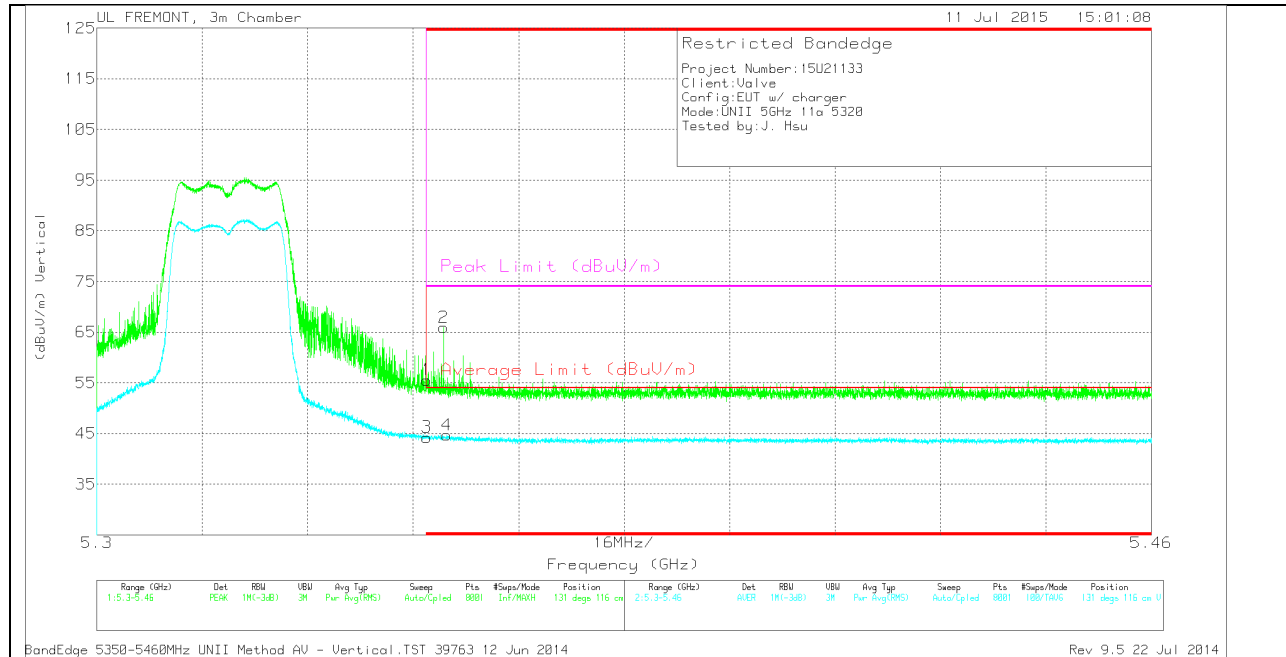
PK - Peak detector

RMS - RMS detection

BandEdge 5350-5460MHz UNII Method AV - Horizontal.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 5.35	41.57	PK	34.5	-20.5	0	55.57	-	-	74	-18.43	131	116	V
2	* 5.353	52.01	PK	34.5	-20.6	0	65.91	-	-	74	-8.09	131	116	V
3	* 5.35	30.16	RMS	34.5	-20.5	.11	44.27	54	-9.73	-	-	131	116	V
4	* 5.353	30.68	RMS	34.5	-20.6	.11	44.69	54	-9.31	-	-	131	116	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

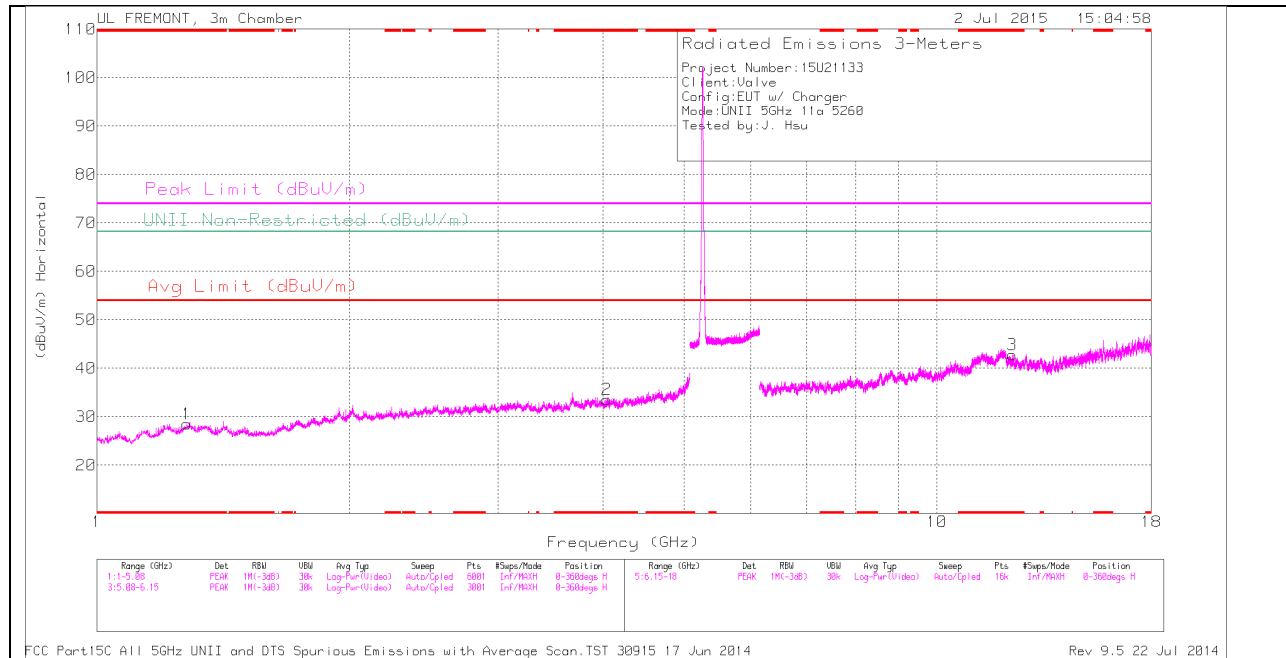
RMS - RMS detection

BandEdge 5350-5460MHz UNII Method AV - Vertical.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

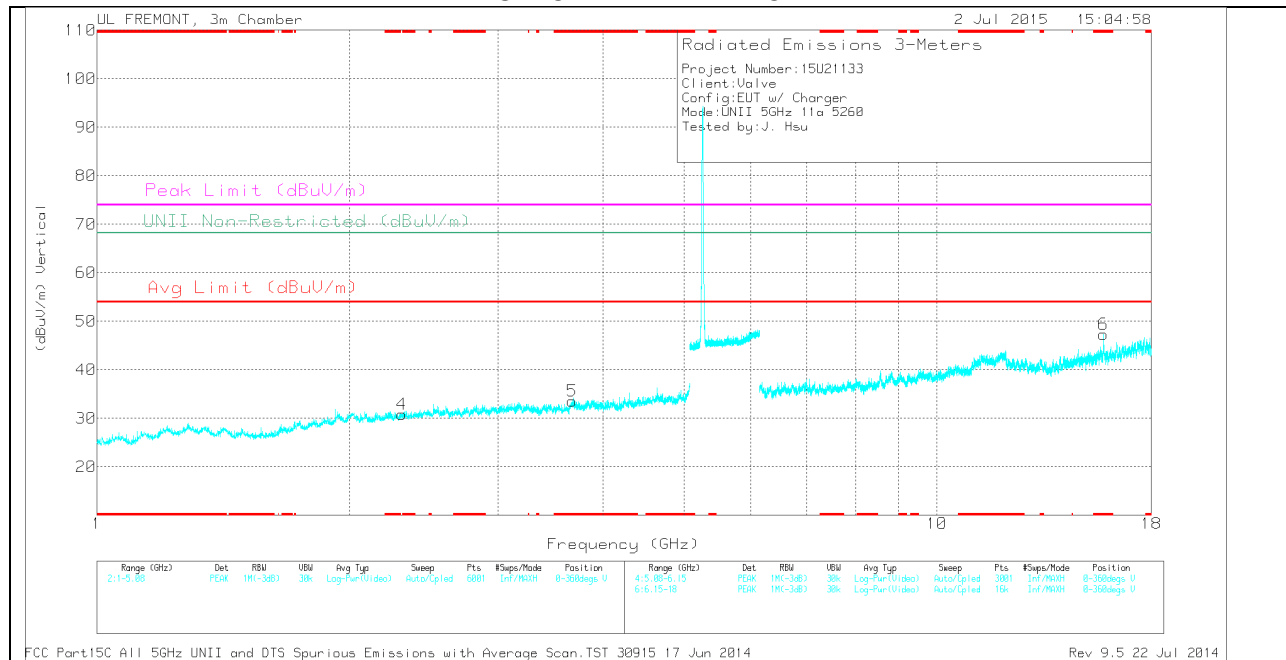
## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.28	31.74	PK	29.7	-33	0	28.44	-	-	74	-45.56	-	-	0-360	200	H
2	* 4.047	30.65	PK	33.3	-30.4	0	33.55	-	-	74	-40.45	-	-	0-360	100	H
5	* 3.681	30.26	PK	33	-29.7	0	33.56	-	-	74	-40.44	-	-	0-360	200	V
3	* 12.297	28.13	PK	38.9	-24.2	0	42.83	-	-	74	-31.17	-	-	0-360	100	H
6	* 15.777	32.58	PK	40.3	-25.5	0	47.38	-	-	74	-26.62	-	-	0-360	100	V
4	2.305	30.99	PK	31.6	-31.8	0	30.79	-	-	-	-	68.2	-37.41	0-360	200	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.281	41.58	PK1	29.7	-33.1	0	38.18	-	-	74	-35.82	-	-	360	100	H
* 1.281	29.94	AD1	29.7	-33	.1	26.74	54	-27.26	-	-	-	-	360	100	H
* 4.049	41.26	PK1	33.3	-30.4	0	44.16	-	-	74	-29.84	-	-	360	100	H
* 4.047	28.76	AD1	33.3	-30.4	.1	31.76	54	-22.24	-	-	-	-	360	100	H
* 3.683	40.32	PK1	33	-29.7	0	43.62	-	-	74	-30.38	-	-	360	100	V
* 3.683	28.51	AD1	33	-29.7	.1	31.91	54	-22.09	-	-	-	-	360	100	V
* 12.298	37.04	PK1	38.9	-24.2	0	51.74	-	-	74	-22.26	-	-	360	100	H
* 12.298	25.77	AD1	38.9	-24.2	.1	40.57	54	-13.43	-	-	-	-	360	100	H
* 15.777	43.75	PK1	40.3	-25.5	0	58.55	-	-	74	-15.45	-	-	259	100	V
* 15.778	30.11	AD1	40.3	-25.5	.1	45.01	54	-8.99	-	-	-	-	259	100	V
2.306	40.92	PK1	31.6	-31.8	0	40.72	-	-	-	-	68.2	-27.48	360	100	V
2.306	29.3	AD1	31.6	-31.8	.1	29.2	-	-	-	-	-	-	360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

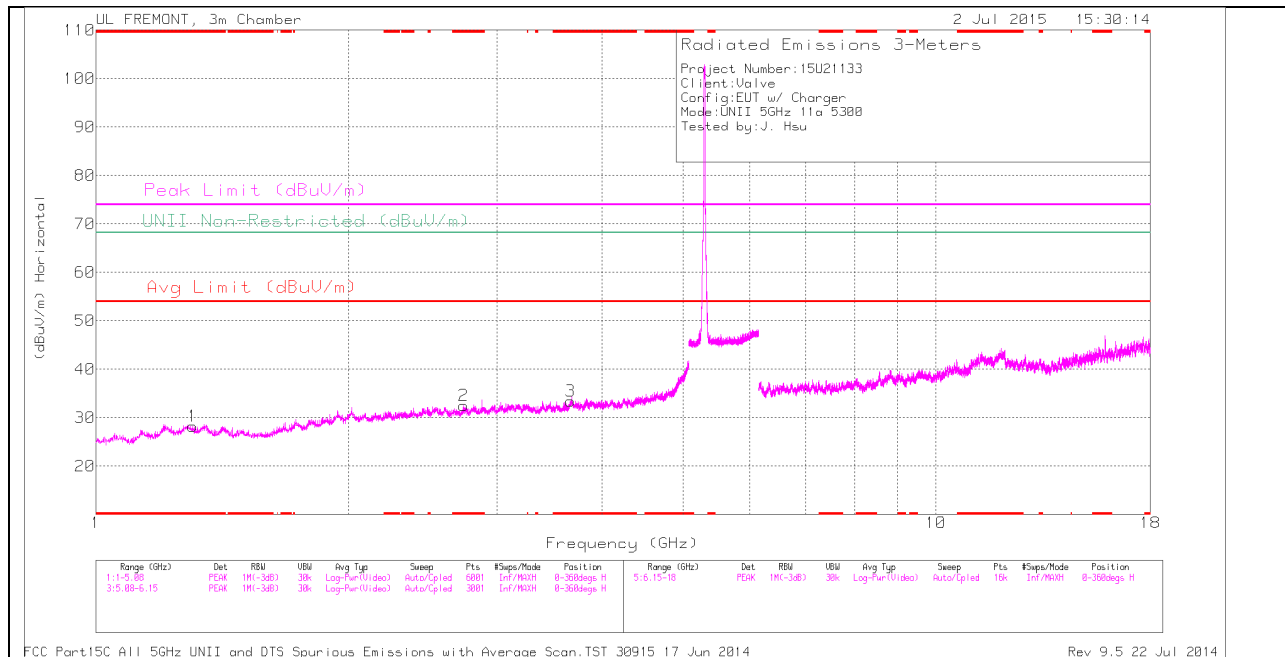
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

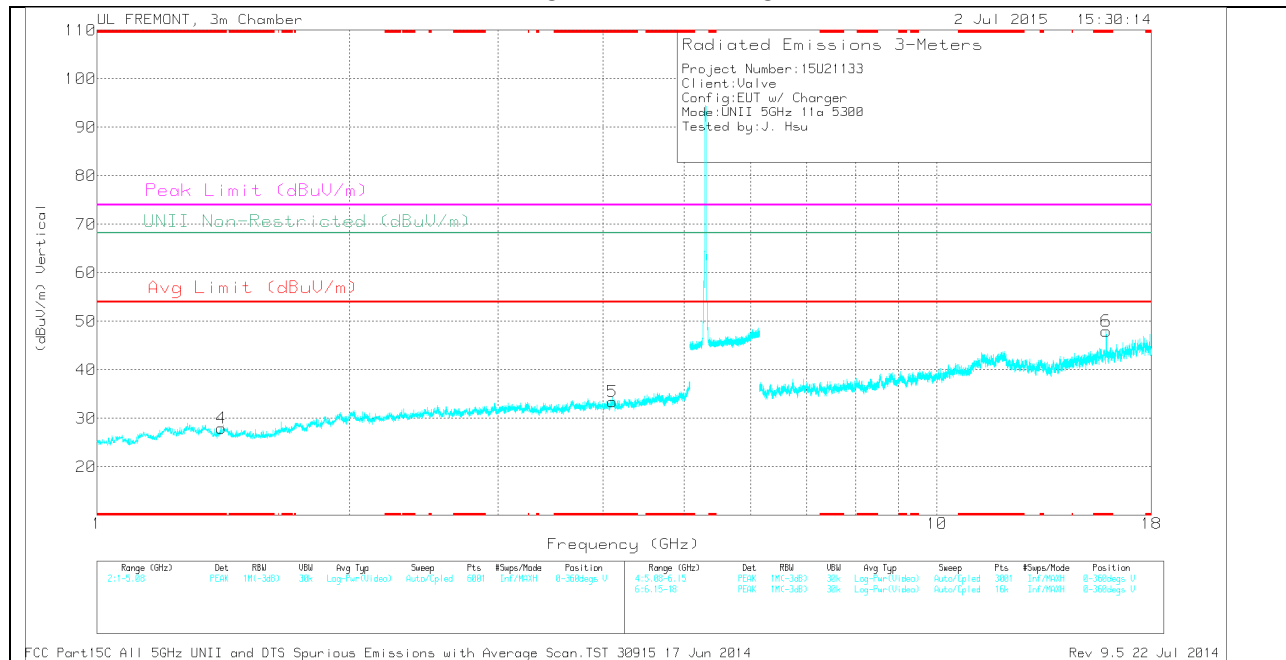
Rev 9.5 22 Jul 2014

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.303	31.41	PK	29.8	-33	0	28.21	-	-	74	-45.79	-	-	0-360	200	H
2	* 2.739	31.75	PK	32.4	-31.6	0	32.55	-	-	74	-41.45	-	-	0-360	200	H
3	* 3.671	30.2	PK	32.9	-29.7	0	33.4	-	-	74	-40.6	-	-	0-360	100	H
4	* 1.406	31.48	PK	28.6	-32.1	0	27.98	-	-	74	-46.02	-	-	0-360	200	V
5	* 4.106	30.38	PK	33.3	-30.2	0	33.48	-	-	74	-40.52	-	-	0-360	200	V
6	* 15.902	32.78	PK	40.3	-25.1	0	47.98	-	-	74	-26.02	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.302	40.6	PK1	29.9	-33	0	37.5	-	-	74	-36.5	-	-	360	100	H
* 1.305	29.24	AD1	29.8	-33	.1	26.14	54	-27.86	-	-	-	-	360	100	H
* 2.739	40.59	PK1	32.4	-31.6	0	41.39	-	-	74	-32.61	-	-	360	100	H
* 2.739	29.29	AD1	32.4	-31.6	.1	30.19	54	-23.81	-	-	-	-	360	100	H
* 3.669	40.32	PK1	32.9	-29.7	0	43.52	-	-	74	-30.48	-	-	360	100	H
* 3.673	28.37	AD1	33	-29.7	.1	31.77	54	-22.23	-	-	-	-	360	100	H
* 1.404	41.08	PK1	28.6	-32.2	0	37.48	-	-	74	-36.52	-	-	360	100	V
* 1.406	29.46	AD1	28.6	-32.1	.1	26.06	54	-27.94	-	-	-	-	360	100	V
* 4.106	40.23	PK1	33.3	-30.2	0	43.33	-	-	74	-30.67	-	-	360	100	V
* 4.104	28.89	AD1	33.3	-30.2	.1	32.09	54	-21.91	-	-	-	-	360	100	V
* 15.899	43.69	PK1	40.3	-25	0	58.99	-	-	74	-15.01	-	-	283	107	V
* 15.899	31.21	AD1	40.3	-25	.1	46.61	54	-7.39	-	-	-	-	283	107	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

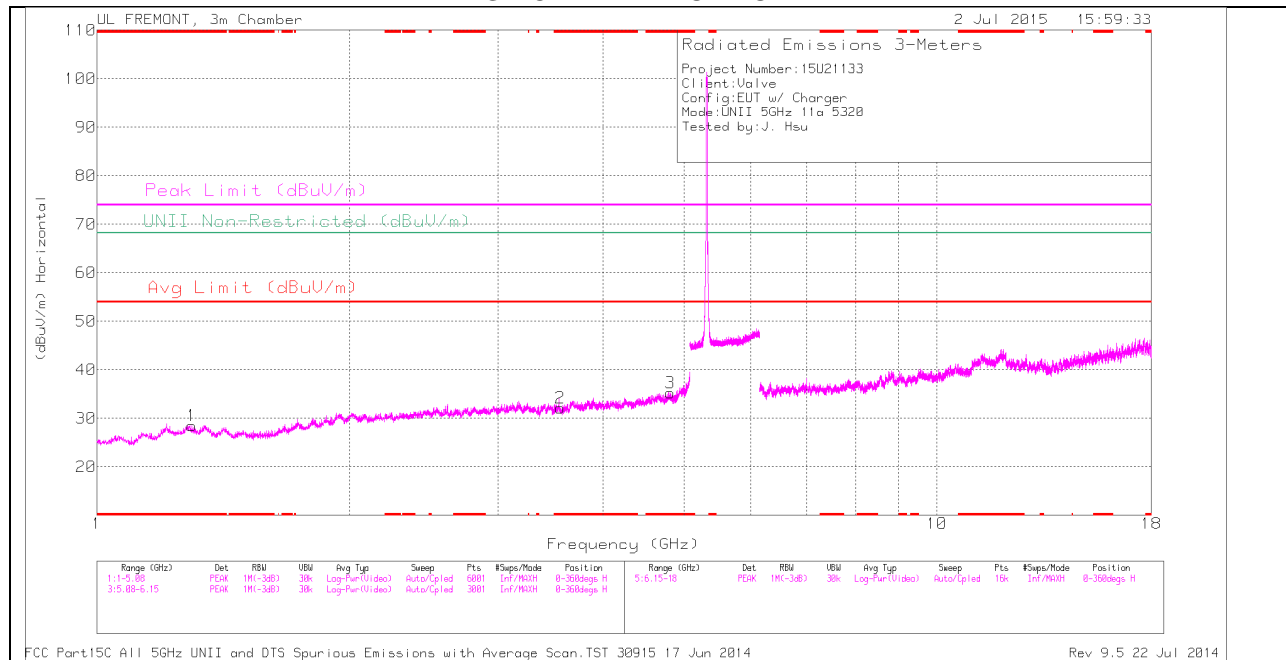
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

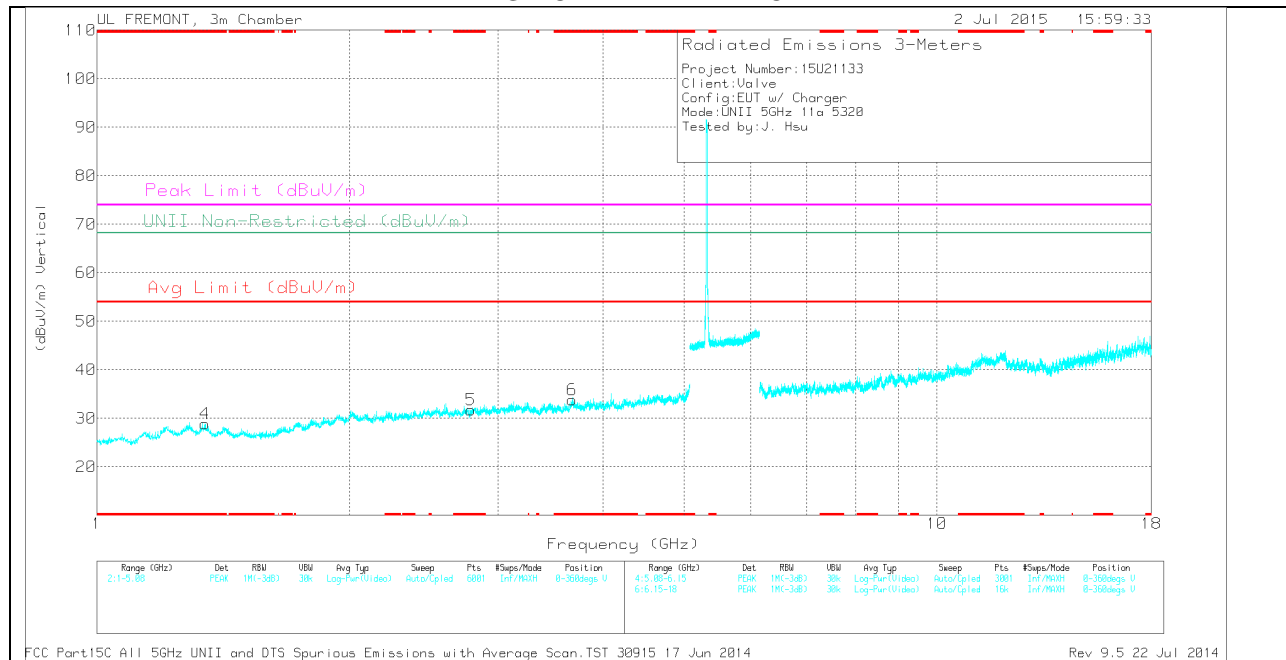
Rev 9.5 22 Jul 2014

### HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.297	31.57	PK	29.9	-33	0	28.47	-	-	74	-45.53	-	-	0-360	200	H
2	* 3.562	30.39	PK	32.8	-31.1	0	32.09	-	-	74	-41.91	-	-	0-360	200	H
3	* 4.813	30.77	PK	34	-29.5	0	35.27	-	-	74	-38.73	-	-	0-360	200	H
4	* 1.345	32.35	PK	29.3	-32.8	0	28.85	-	-	74	-45.15	-	-	0-360	200	V
5	* 2.789	30.89	PK	32.6	-31.7	0	31.79	-	-	74	-42.21	-	-	0-360	100	V
6	* 3.677	30.46	PK	33	-29.7	0	33.76	-	-	74	-40.24	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.297	41.02	PK1	29.9	-33	0	37.92	-	-	74	-36.08	-	-	360	100	H
* 1.297	29.5	AD1	29.9	-33	.1	26.5	54	-27.5	-	-	-	-	360	100	H
* 3.563	40.06	PK1	32.8	-31.1	0	41.76	-	-	74	-32.24	-	-	360	100	H
* 3.564	28.63	AD1	32.8	-31.1	.1	30.43	54	-23.57	-	-	-	-	360	100	H
* 4.811	40.32	PK1	34	-29.6	0	44.72	-	-	74	-29.28	-	-	360	100	H
* 4.811	28.95	AD1	34	-29.6	.1	33.45	54	-20.55	-	-	-	-	360	100	H
* 1.344	41.49	PK1	29.3	-32.8	0	37.99	-	-	74	-36.01	-	-	360	100	V
* 1.343	30.01	AD1	29.3	-32.8	.1	26.61	54	-27.39	-	-	-	-	360	100	V
* 2.787	40.86	PK1	32.6	-31.7	0	41.76	-	-	74	-32.24	-	-	360	100	V
* 2.788	28.94	AD1	32.6	-31.7	.1	29.94	54	-24.06	-	-	-	-	360	100	V
* 3.677	39.97	PK1	33	-29.7	0	43.27	-	-	74	-30.73	-	-	360	100	V
* 3.679	28.31	AD1	33	-29.7	.1	31.71	54	-22.29	-	-	-	-	360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

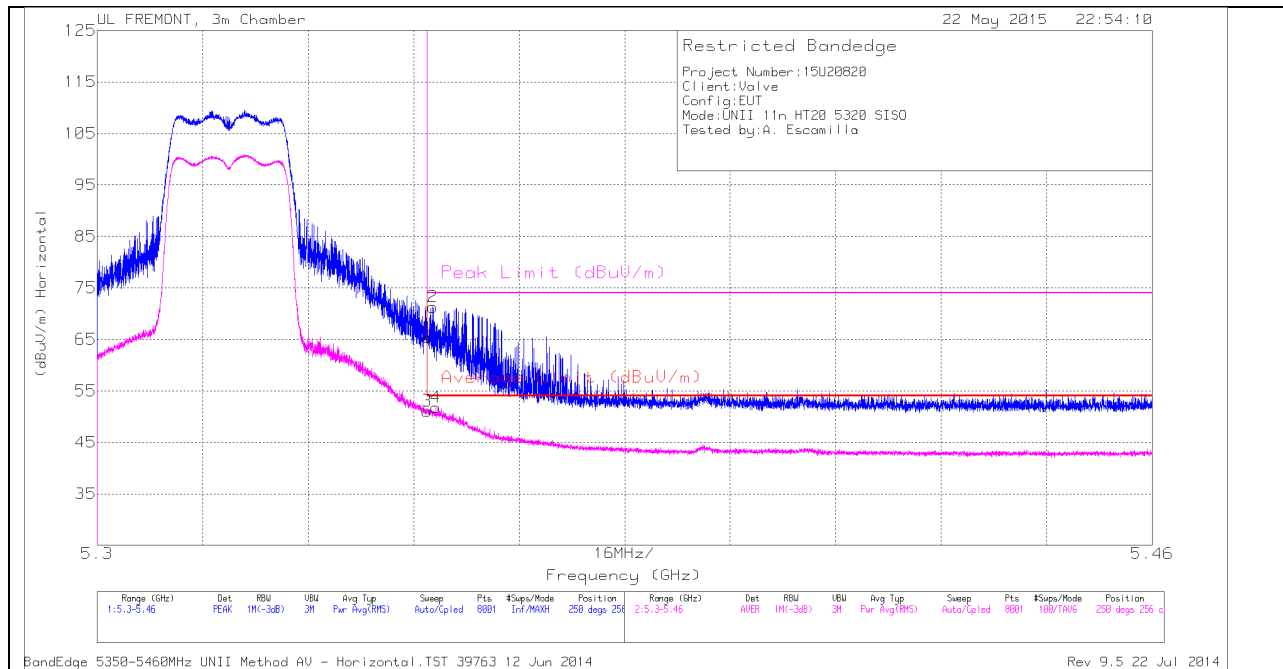
FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

## 12.2.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

### AUTHORIZED BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	52.25	PK	34.5	-21.4	65.35	-	-	74	-8.65	250	256	H
3	5.35	37.99	RMS	34.5	-21.4	51.09	54	-2.91	-	-	250	256	H
2	5.351	58.19	PK	34.5	-21.4	71.29	-	-	74	-2.71	250	256	H
4	5.351	38.66	RMS	34.5	-21.4	51.76	54	-2.24	-	-	250	256	H

PK - Peak detector

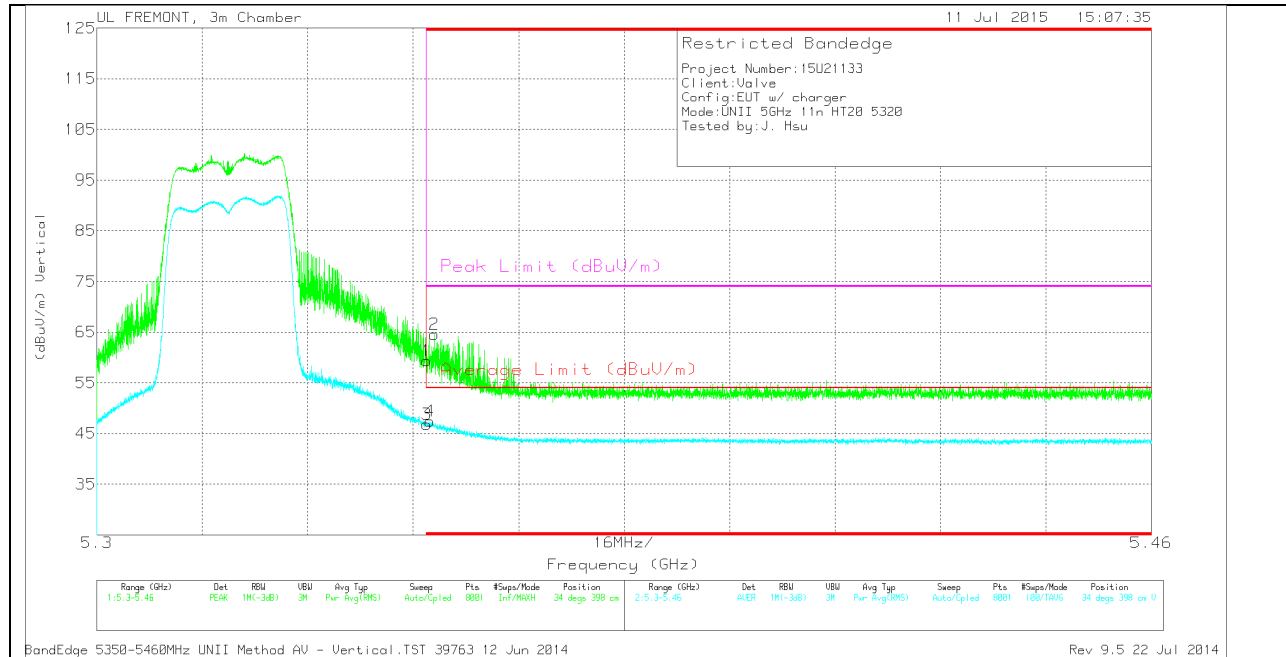
RMS - RMS detection

BandEdge 5350-5460MHz UNII Method AV - Horizontal.TST 39763 12 Jun 2014

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## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filt/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	* 5.35	45.38	PK	34.5	-20.5	59.38	-	-	74	-14.62	34	398	V
2	* 5.351	50.57	PK	34.5	-20.5	64.57	-	-	74	-9.43	34	398	V
3	* 5.35	32.8	RMS	34.5	-20.5	46.8	54	-7.2	-	-	34	398	V
4	* 5.351	33.4	RMS	34.5	-20.5	47.4	54	-6.6	-	-	34	398	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

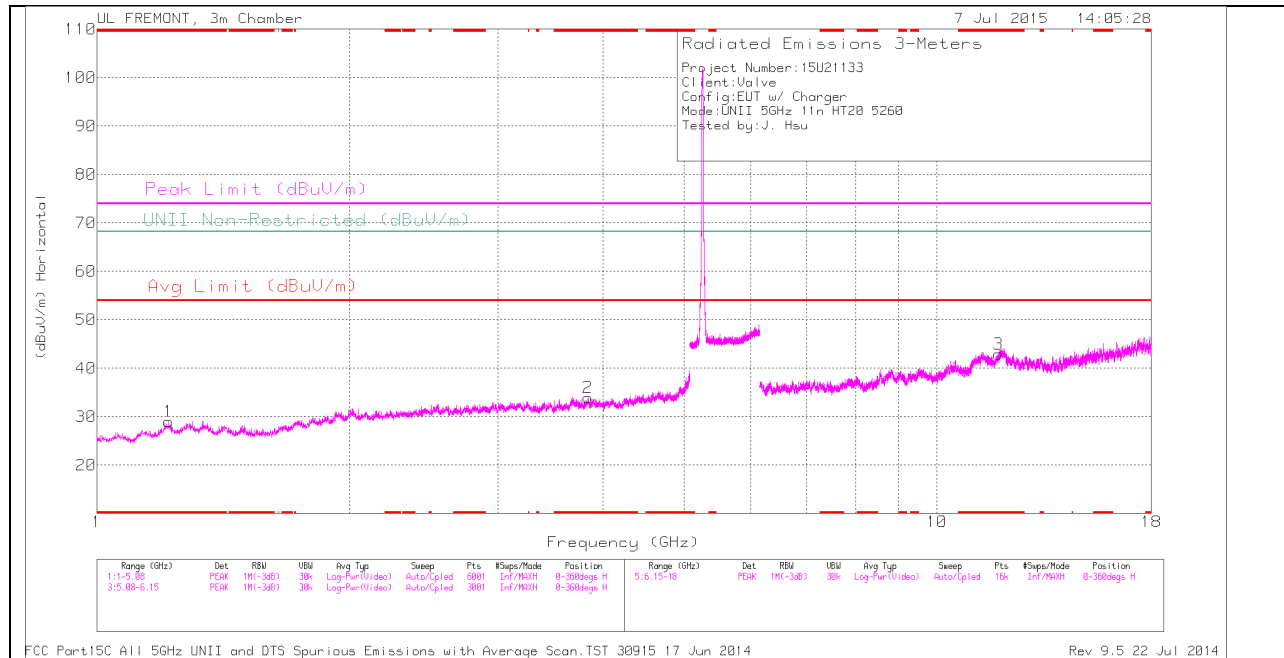
RMS - RMS detection

BandEdge 5350-5460MHz UNII Method AV - Vertical.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

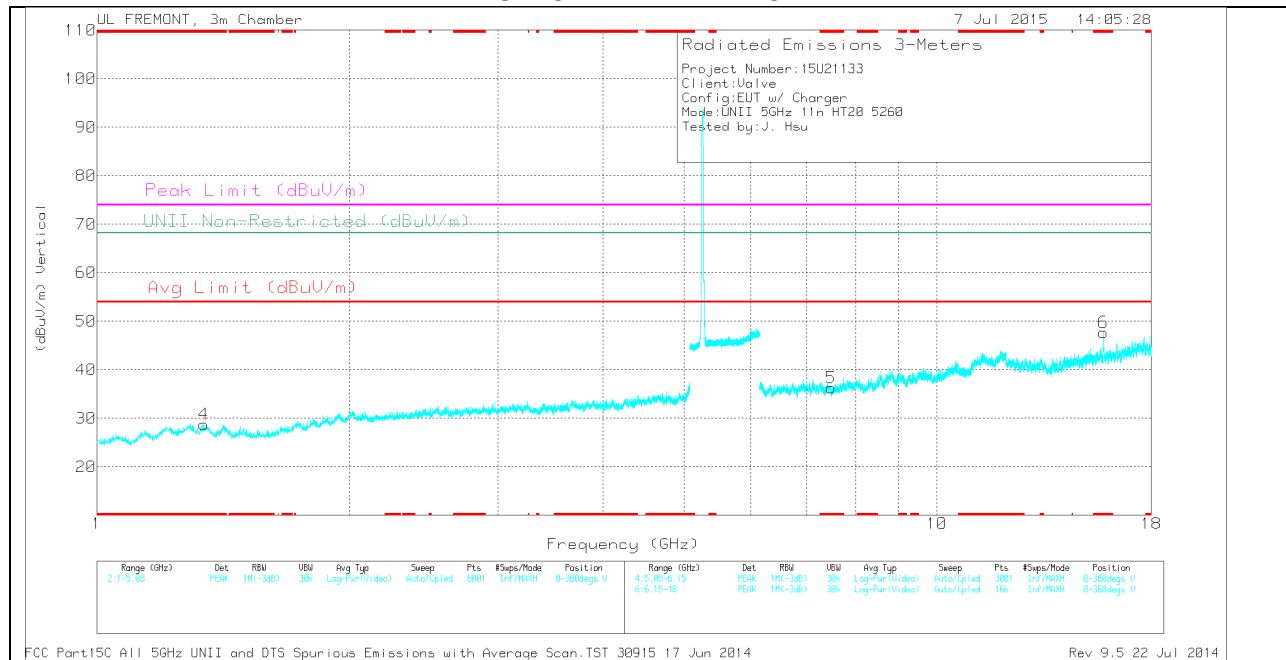
## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.217	32.65	PK	29.1	-32.7	29.05	-	-	74	-44.95	-	-	0-360	100	H
2	* 3.842	31.02	PK	33.1	-30.2	33.92	-	-	74	-40.08	-	-	0-360	200	H
4	* 1.339	32.19	PK	29.4	-32.8	28.79	-	-	74	-45.21	-	-	0-360	100	V
3	* 11.835	27.26	PK	39	-23.4	42.86	-	-	74	-31.14	-	-	0-360	200	H
5	* 7.482	28.41	PK	35.7	-27.8	36.31	-	-	74	-37.69	-	-	0-360	100	V
6	* 15.783	33.13	PK	40.3	-25.7	47.73	-	-	74	-26.27	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.217	41.35	PK1	29.1	-32.7	37.75	-	-	74	-36.25	-	-	360	100	H
* 1.218	29.89	AD1	29.1	-32.7	26.29	54	-27.71	-	-	-	-	360	100	H
* 3.841	40.75	PK1	33.1	-30.2	43.65	-	-	74	-30.35	-	-	360	100	H
* 3.841	28.72	AD1	33.1	-30.2	31.62	54	-22.38	-	-	-	-	360	100	H
* 1.339	41.5	PK1	29.4	-32.8	38.1	-	-	74	-35.9	-	-	360	100	V
* 1.341	29.93	AD1	29.4	-32.8	26.53	54	-27.47	-	-	-	-	360	100	V
* 11.833	37.72	PK1	39	-23.4	53.32	-	-	74	-20.68	-	-	360	100	H
* 11.834	25.69	AD1	39	-23.4	41.29	54	-12.71	-	-	-	-	360	100	H
* 7.482	38.28	PK1	35.7	-27.8	46.18	-	-	74	-27.82	-	-	360	100	V
* 7.481	27.02	AD1	35.7	-27.8	34.92	54	-19.08	-	-	-	-	360	100	V
* 15.785	44.48	PK1	40.3	-25.8	58.98	-	-	74	-15.02	-	-	291	115	V
* 15.783	31.14	AD1	40.3	-25.6	45.84	54	-8.16	-	-	-	-	291	115	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

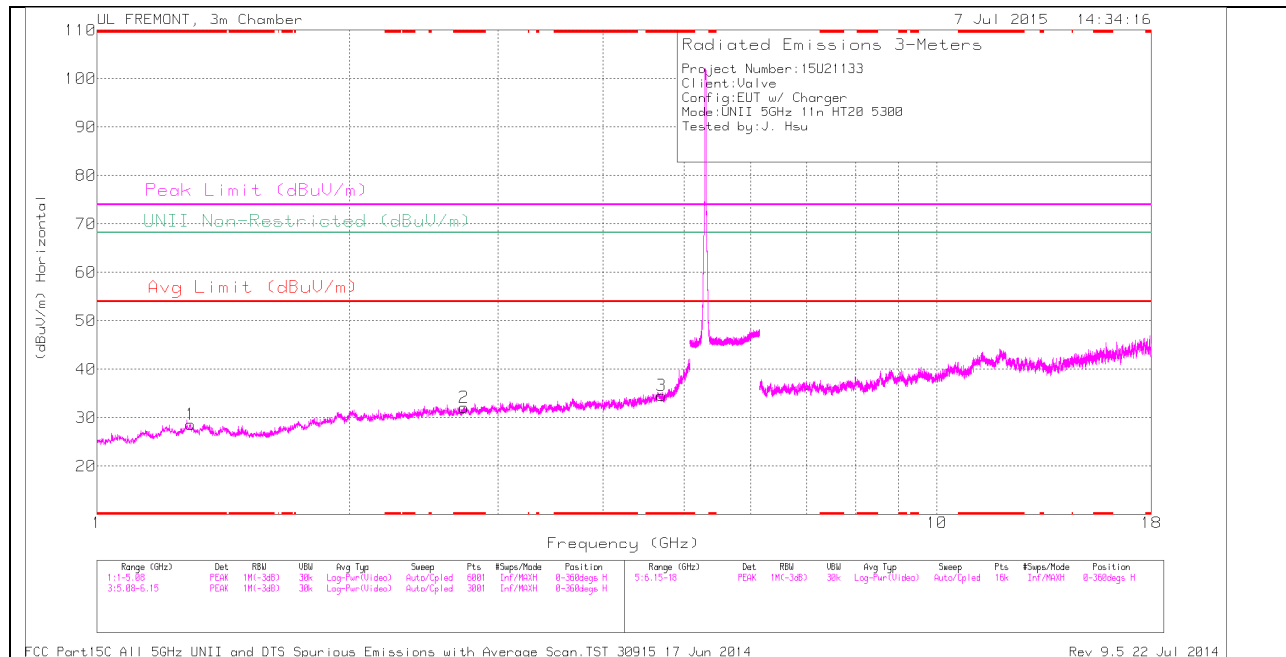
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

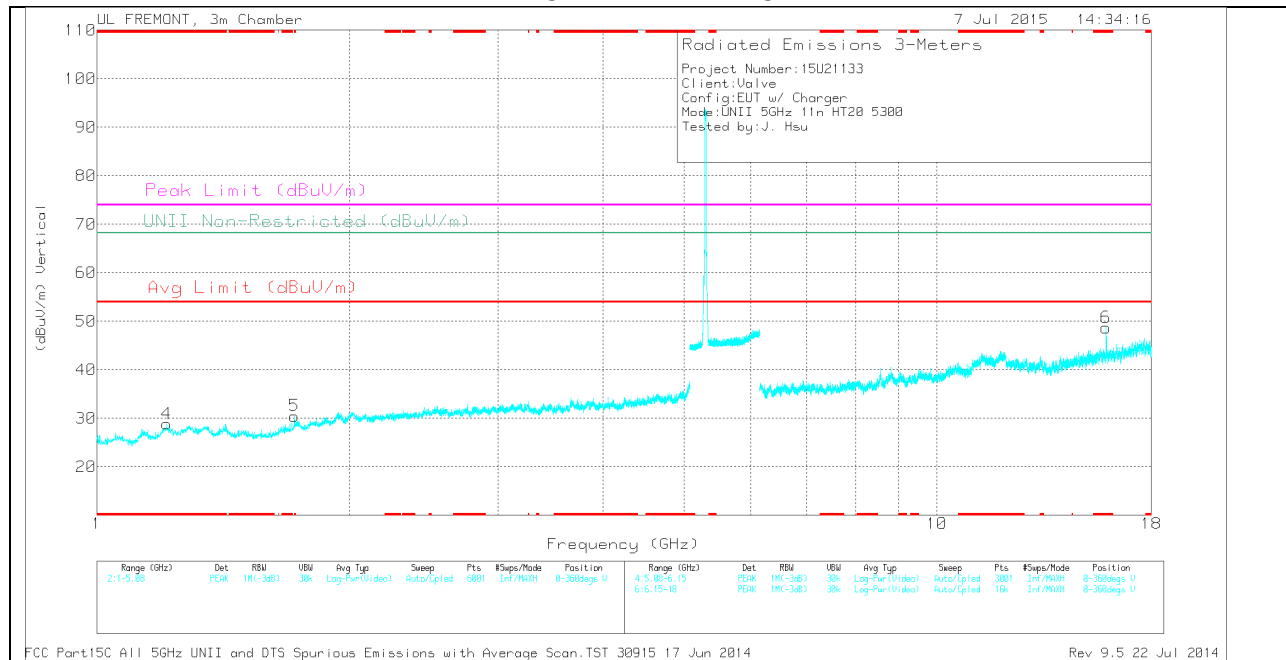
Rev 9.5 22 Jul 2014

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.292	31.78	PK	29.8	-33	28.58	-	-	74	-45.42	-	-	0-360	100	H
2	* 2.734	31.35	PK	32.4	-31.6	32.15	-	-	74	-41.85	-	-	0-360	200	H
3	* 4.695	30.45	PK	34	-29.9	34.55	-	-	74	-39.45	-	-	0-360	200	H
4	* 1.211	32.63	PK	29	-32.7	28.93	-	-	74	-45.07	-	-	0-360	200	V
6	* 15.898	33.29	PK	40.3	-24.9	48.69	-	-	74	-25.31	-	-	0-360	100	V
5	1.719	32.81	PK	29.2	-31.5	30.51	-	-	-	-	68.2	-37.69	0-360	200	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.29	41.25	PK1	29.8	-33	38.05	-	-	74	-35.95	-	-	360	100	H
* 1.29	29.8	AD1	29.8	-33	26.6	54	-27.4	-	-	-	-	360	100	H
* 2.736	41.17	PK1	32.4	-31.6	41.97	-	-	74	-32.03	-	-	360	100	H
* 2.732	29.19	AD1	32.4	-31.5	30.09	54	-23.91	-	-	-	-	360	100	H
* 4.696	40.65	PK1	34	-29.8	44.85	-	-	74	-29.15	-	-	360	100	H
* 4.694	29.11	AD1	34	-29.9	33.21	54	-20.79	-	-	-	-	360	100	H
* 1.211	42.11	PK1	29	-32.7	38.41	-	-	74	-35.59	-	-	360	100	V
* 1.211	30.29	AD1	29	-32.7	26.59	54	-27.41	-	-	-	-	360	100	V
* 15.896	43.29	PK1	40.3	-24.8	58.79	-	-	74	-15.21	-	-	292	110	V
* 15.898	30.6	AD1	40.3	-24.9	46	54	-8	-	-	-	-	292	110	V
1.719	40.56	PK1	29.2	-31.5	38.26	-	-	-	-	68.2	-29.94	360	100	V
1.719	29.14	AD1	29.2	-31.5	26.84	-	-	-	-	-	-	360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

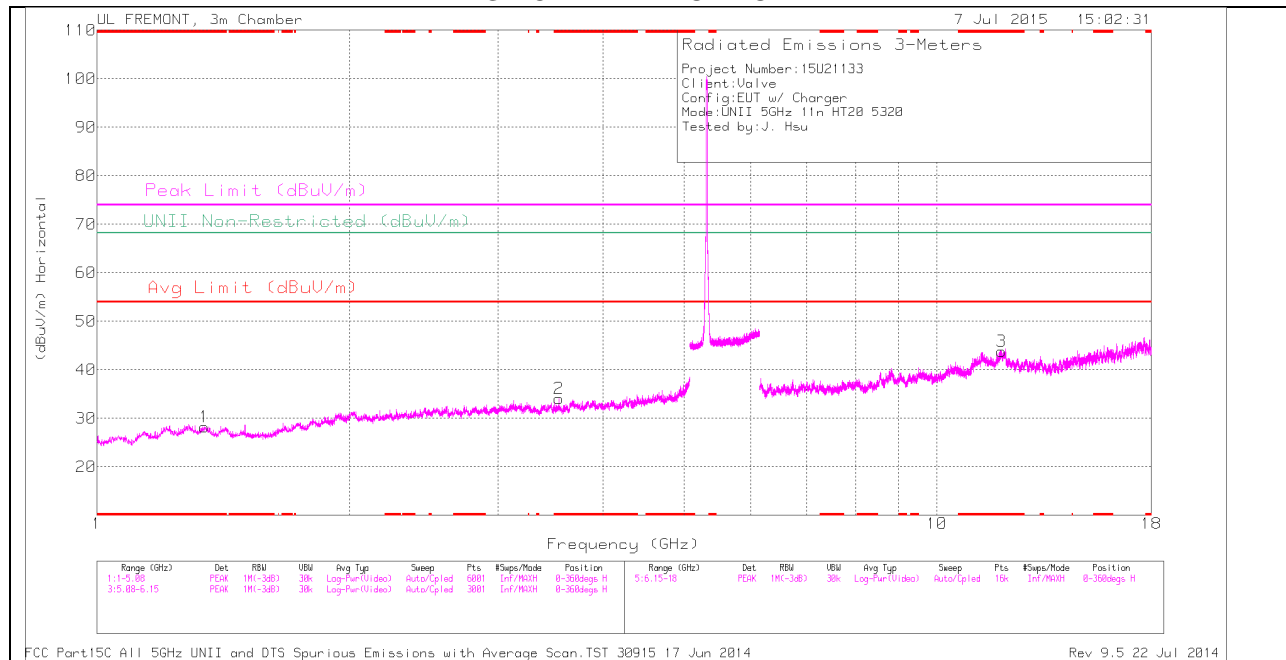
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

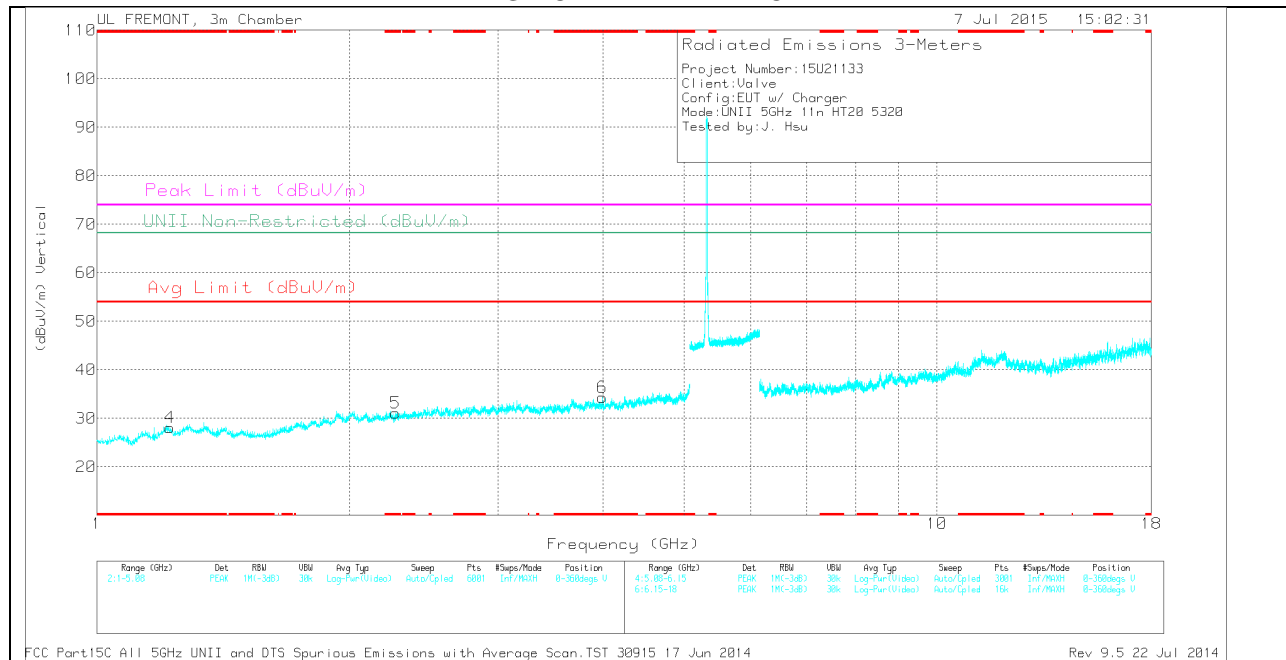
### HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.343	31.68	PK	29.3	-32.8	28.18	-	-	74	-45.82	-	-	0-360	200	H
2	* 3.547	32.49	PK	32.8	-31.2	34.09	-	-	74	-39.91	-	-	0-360	200	H
4	* 1.22	31.69	PK	29.1	-32.7	28.09	-	-	74	-45.91	-	-	0-360	100	V
5	* 2.266	31.1	PK	31.5	-31.5	31.1	-	-	74	-42.9	-	-	0-360	100	V
6	* 3.995	31.92	PK	33.2	-30.8	34.32	-	-	74	-39.68	-	-	0-360	200	V
3	* 11.941	28.28	PK	39.1	-23.6	43.78	-	-	74	-30.22	-	-	0-360	100	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.341	41.78	PK1	29.4	-32.8	38.38	-	-	74	-35.62	-	-	360	100	H
* 1.345	30.04	AD1	29.3	-32.8	26.54	54	-27.46	-	-	-	-	360	100	H
* 3.547	40.68	PK1	32.8	-31.2	42.28	-	-	74	-31.72	-	-	360	100	H
* 3.547	30.2	AD1	32.8	-31.2	31.8	54	-22.2	-	-	-	-	360	100	H
* 1.22	41.56	PK1	29.1	-32.7	37.96	-	-	74	-36.04	-	-	360	100	V
* 1.219	29.93	AD1	29.1	-32.7	26.33	54	-27.67	-	-	-	-	360	100	V
* 2.266	40.87	PK1	31.5	-31.5	40.87	-	-	74	-33.13	-	-	360	100	V
* 2.268	28.76	AD1	31.6	-31.5	28.86	54	-25.14	-	-	-	-	360	100	V
* 3.993	40.55	PK1	33.2	-30.8	42.95	-	-	74	-31.05	-	-	360	100	V
* 3.997	28.98	AD1	33.2	-30.7	31.48	54	-22.52	-	-	-	-	360	100	V
* 11.94	37.67	PK1	39.1	-23.6	53.17	-	-	74	-20.83	-	-	360	100	H
* 11.943	25.92	AD1	39.1	-23.7	41.32	54	-12.68	-	-	-	-	360	100	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

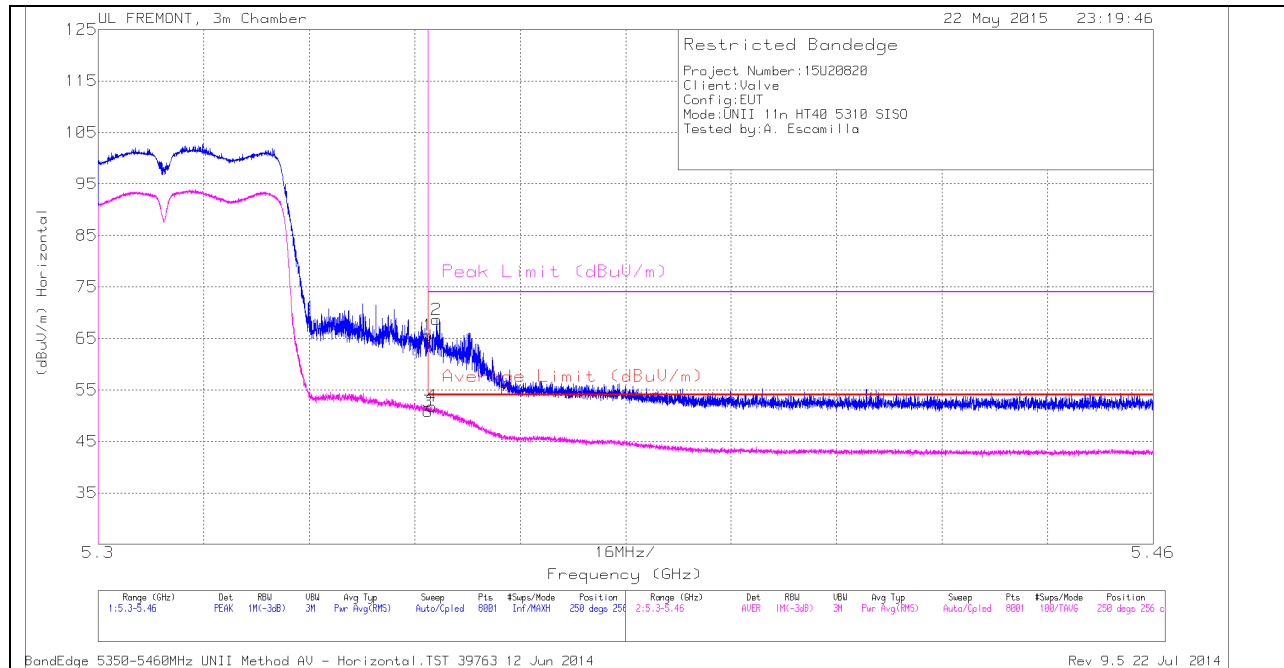
AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

**12.2.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND  
AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	5.35	52.51	PK	34.5	-21.4	0	65.61	-	-	74	-8.39	250	256	H
3	5.35	37.69	RMS	34.5	-21.4	.8	50.79	54	-3.21	-	-	250	256	H
2	5.351	55.52	PK	34.5	-21.4	0	68.62	-	-	74	-5.38	250	256	H
4	5.351	38.72	RMS	34.5	-21.4	.8	51.82	54	-2.18	-	-	250	256	H

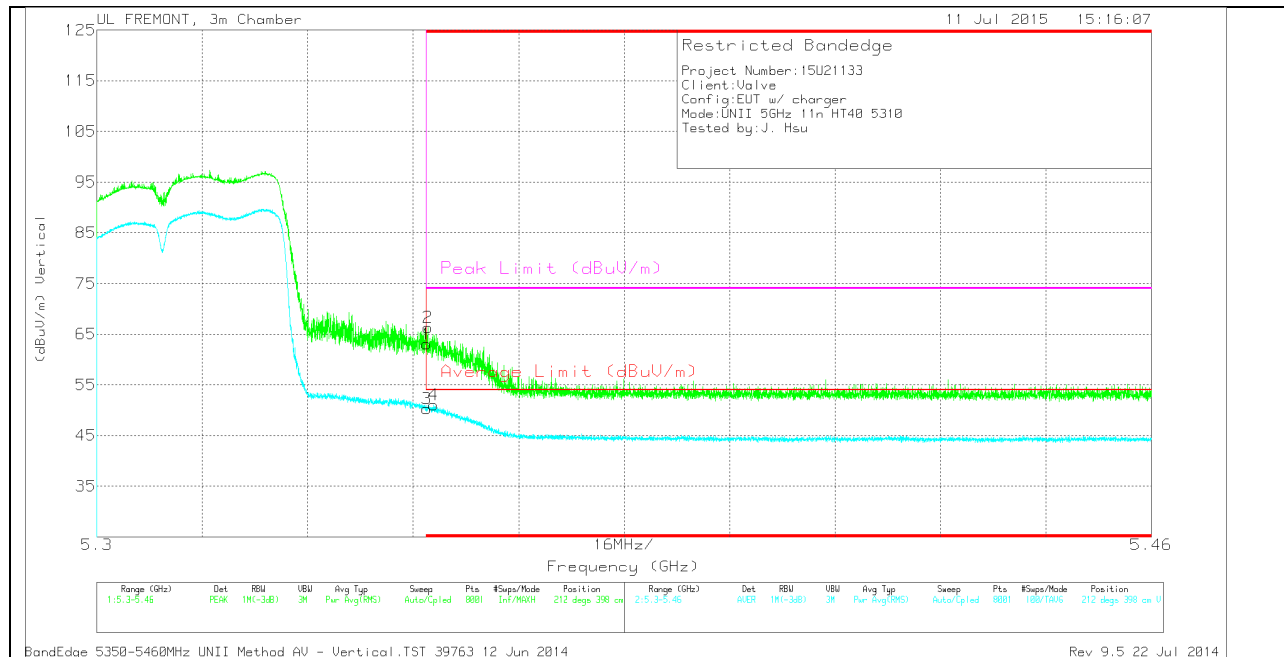
PK - Peak detector

RMS - RMS detection

BandEdge 5350-5460MHz UNII Method AV - Horizontal.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 5.35	49.12	PK	34.5	-20.5	0	63.12	-	-	74	-10.88	212	398	V
2	* 5.35	52.33	PK	34.5	-20.5	0	66.33	-	-	74	-7.67	212	398	V
3	* 5.35	35.54	RMS	34.5	-20.5	.8	50.34	54	-3.66	-	-	212	398	V
4	* 5.351	36.27	RMS	34.5	-20.5	.8	51.07	54	-2.93	-	-	212	398	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

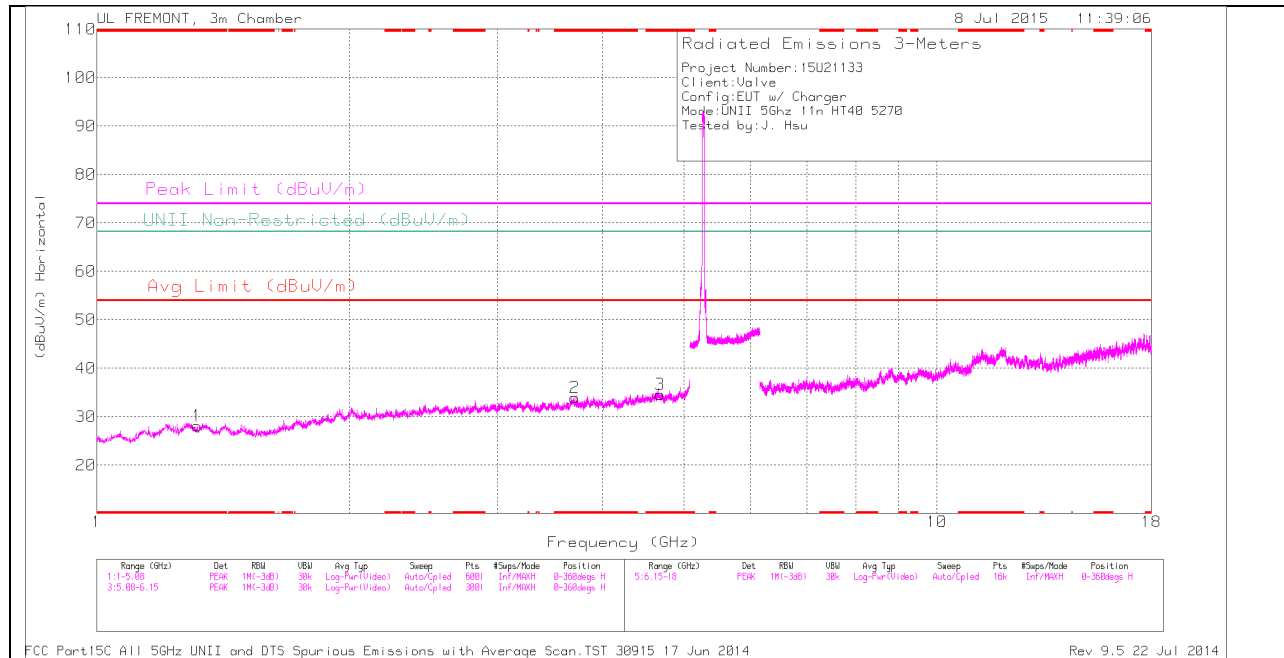
RMS - RMS detection

BandEdge 5350-5460MHz UNII Method AV - Vertical.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

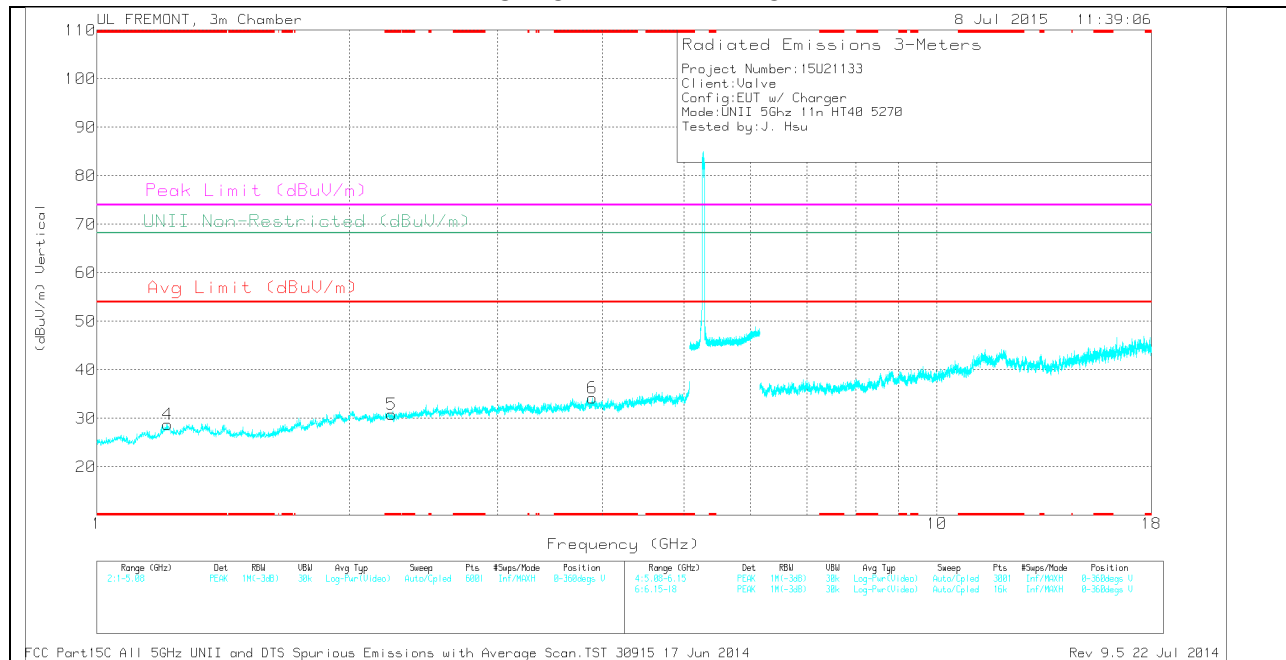
## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.316	31.35	PK	29.7	-33	0	28.05	-	-	74	-45.95	-	-	0-360	100	H
2	* 3.708	31.1	PK	33	-30.2	0	33.9	-	-	74	-40.1	-	-	0-360	100	H
3	* 4.684	30.42	PK	34	-29.8	0	34.62	-	-	74	-39.38	-	-	0-360	200	H
4	* 1.215	32.35	PK	29.1	-32.7	0	28.75	-	-	74	-45.25	-	-	0-360	100	V
5	* 2.242	31.02	PK	31.5	-31.7	0	30.82	-	-	74	-43.18	-	-	0-360	100	V
6	* 3.887	30.97	PK	33.2	-30	0	34.17	-	-	74	-39.83	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.317	40.72	PK1	29.7	-33	0	37.42	-	-	74	-36.58	-	-	360	100	H
* 1.316	29.23	AD1	29.7	-33	.8	26.73	54	-27.27	-	-	-	-	360	100	H
* 3.707	39.66	PK1	33	-30.3	0	42.36	-	-	74	-31.64	-	-	360	100	H
* 3.709	28.28	AD1	33	-30.2	.8	31.88	54	-22.12	-	-	-	-	360	100	H
* 4.684	39.93	PK1	34	-29.8	0	44.13	-	-	74	-29.87	-	-	360	100	H
* 4.682	28.52	AD1	34	-29.9	.8	33.42	54	-20.58	-	-	-	-	360	100	H
* 1.216	41.25	PK1	29.1	-32.7	0	37.65	-	-	74	-36.35	-	-	360	100	V
* 1.213	29.92	AD1	29.1	-32.7	.8	27.12	54	-26.88	-	-	-	-	360	100	V
* 2.241	41.04	PK1	31.5	-31.7	0	40.84	-	-	74	-33.16	-	-	360	100	V
* 2.242	29.38	AD1	31.5	-31.7	.8	29.98	54	-24.02	-	-	-	-	360	100	V
* 3.888	39.96	PK1	33.2	-30	0	43.16	-	-	74	-30.84	-	-	360	100	V
* 3.889	28.44	AD1	33.2	-30	.8	32.44	54	-21.56	-	-	-	-	360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

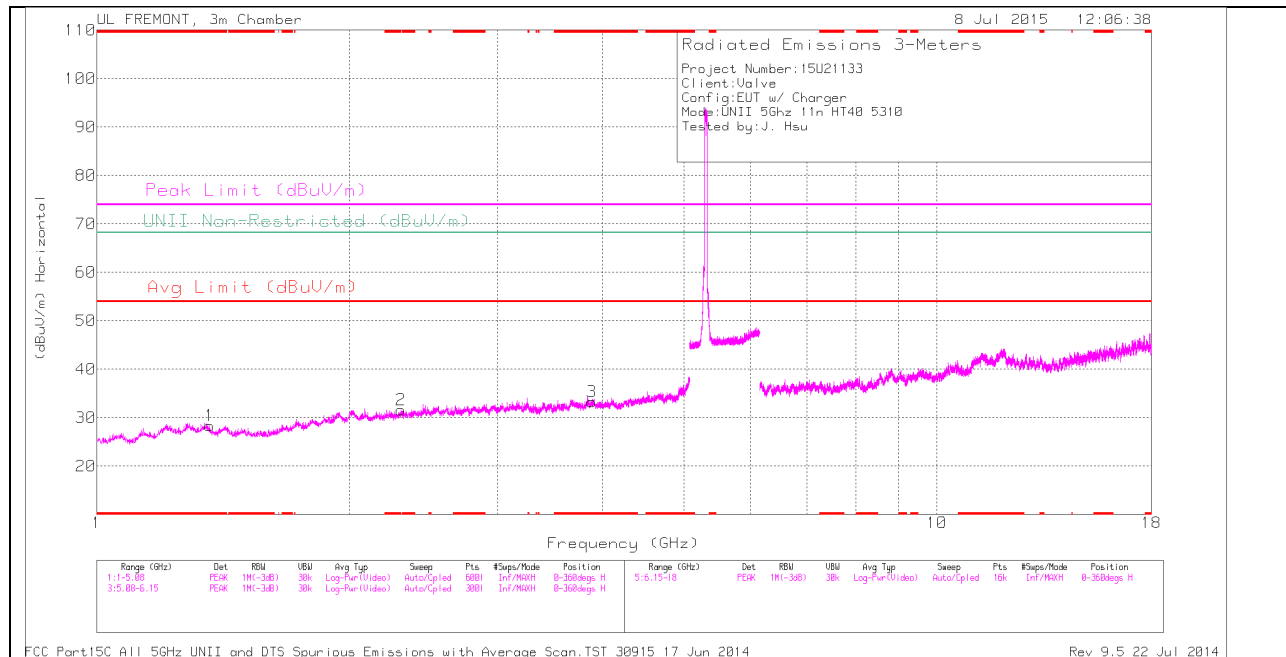
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

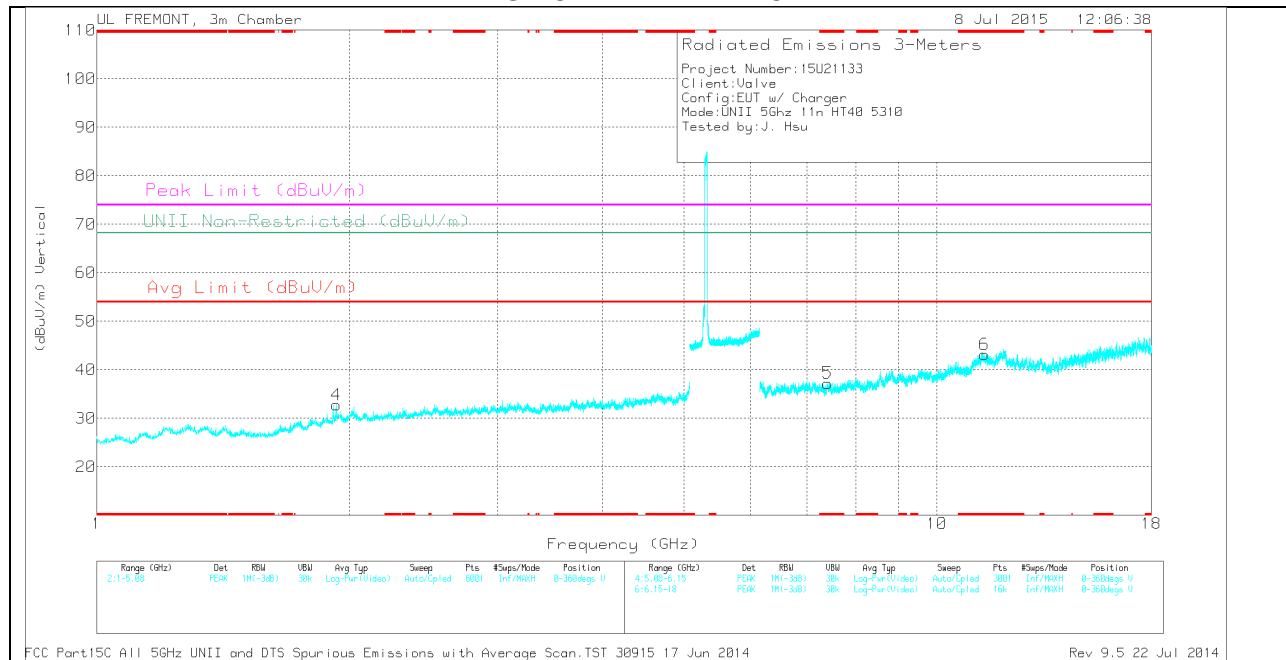
# HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.362	31.93	PK	29.1	-32.7	0	28.33	-	-	74	-45.67	-	-	0-360	100	H
3	* 3.884	30.02	PK	33.2	-29.9	0	33.32	-	-	74	-40.68	-	-	0-360	100	H
5	* 7.405	29.06	PK	35.6	-27.4	0	37.26	-	-	74	-36.74	-	-	0-360	200	V
6	* 11.391	28.17	PK	38.2	-23.2	0	43.17	-	-	74	-30.83	-	-	0-360	100	V
4	1.927	33.52	PK	31.2	-31.9	0	32.82	-	-	-	-	68.2	-35.38	0-360	200	V
2	2.303	31.79	PK	31.6	-31.8	0	31.59	-	-	-	-	68.2	-36.61	0-360	100	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.361	40.85	PK1	29.1	-32.7	0	37.25	-	-	74	-36.75	-	-	359	100	H
* 1.361	29.52	AD1	29.1	-32.7	.8	26.72	54	-27.28	-	-	-	-	359	100	H
* 3.885	39.17	PK1	33.2	-29.9	0	42.47	-	-	74	-31.53	-	-	359	100	H
* 3.886	27.93	AD1	33.2	-29.9	.8	32.03	54	-21.97	-	-	-	-	359	100	H
* 7.404	38.7	PK1	35.6	-27.5	0	46.8	-	-	74	-27.2	-	-	359	100	V
* 7.403	27.35	AD1	35.6	-27.5	.8	36.25	54	-17.75	-	-	-	-	359	100	V
* 11.393	37.38	PK1	38.2	-23.2	0	52.38	-	-	74	-21.62	-	-	359	100	V
* 11.393	25.75	AD1	38.2	-23.2	.8	41.55	54	-12.45	-	-	-	-	359	100	V
1.925	29.58	AD1	31.2	-31.9	.8	29.68	-	-	-	-	-	-	359	100	V
1.928	41.15	PK1	31.2	-31.9	0	40.45	-	-	-	-	68.2	-27.75	359	100	V
2.302	29.33	AD1	31.6	-31.8	.8	29.93	-	-	-	-	-	-	359	100	H
2.304	41.54	PK1	31.6	-31.8	0	41.34	-	-	-	-	68.2	-26.86	359	100	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

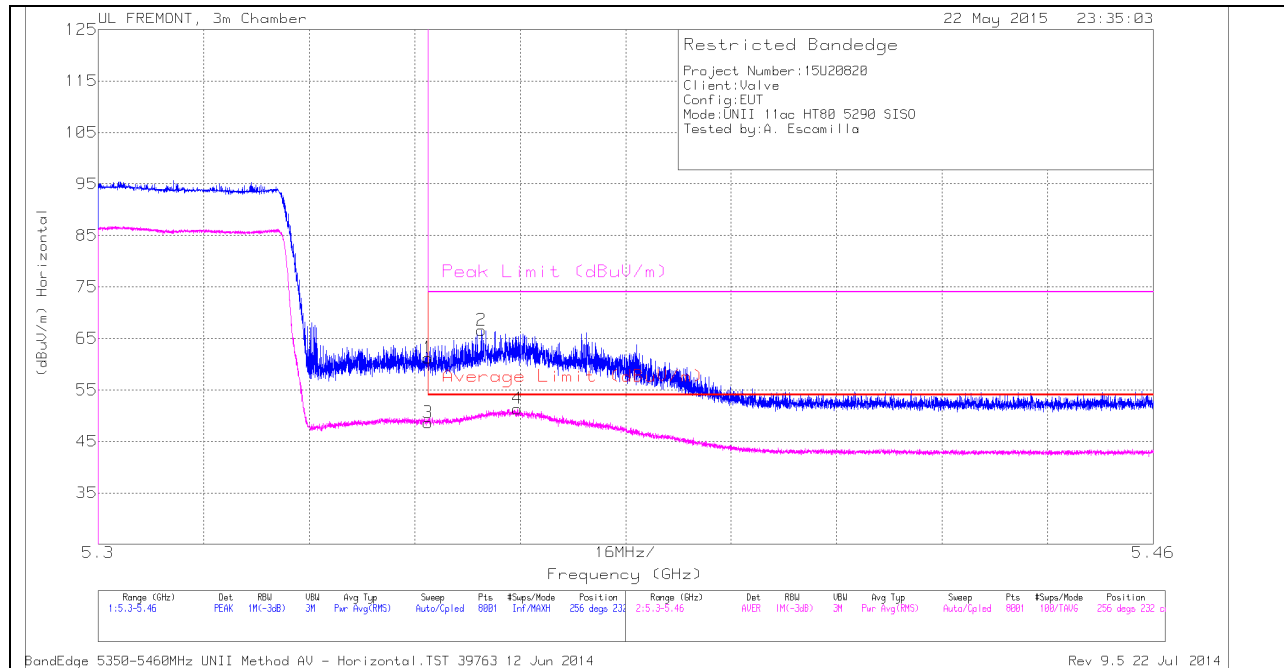
AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

**12.2.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.3 GHz BAND  
AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	5.35	48.15	PK	34.5	-21.4	0	61.25	-	-	74	-12.75	256	232	H
3	5.35	35.54	RMS	34.5	-21.4	1.02	48.64	54	-5.36	-	-	256	232	H
2	5.358	53.62	PK	34.5	-21.5	0	66.62	-	-	74	-7.38	256	232	H
4	5.364	38.26	RMS	34.5	-21.4	1.02	51.36	54	-2.64	-	-	256	232	H

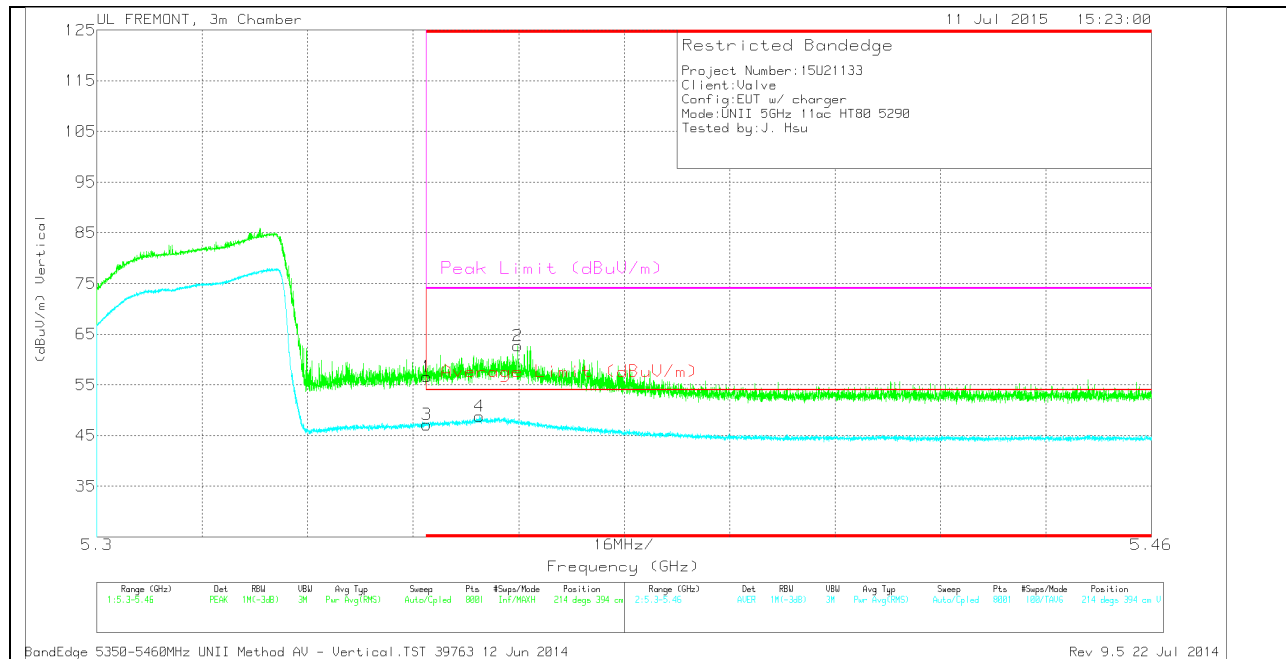
PK - Peak detector

RMS - RMS detection

BandEdge 5350-5460MHz UNII Method AV - Horizontal.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 5.35	42.62	PK	34.5	-20.5	0	56.62	-	-	74	-17.38	214	394	V
2	* 5.364	48.77	PK	34.5	-20.6	0	62.67	-	-	74	-11.33	214	394	V
3	* 5.35	32.11	RMS	34.5	-20.5	1.02	47.13	54	-6.87	-	-	214	394	V
4	* 5.358	33.86	RMS	34.5	-20.6	1.02	48.78	54	-5.22	-	-	214	394	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

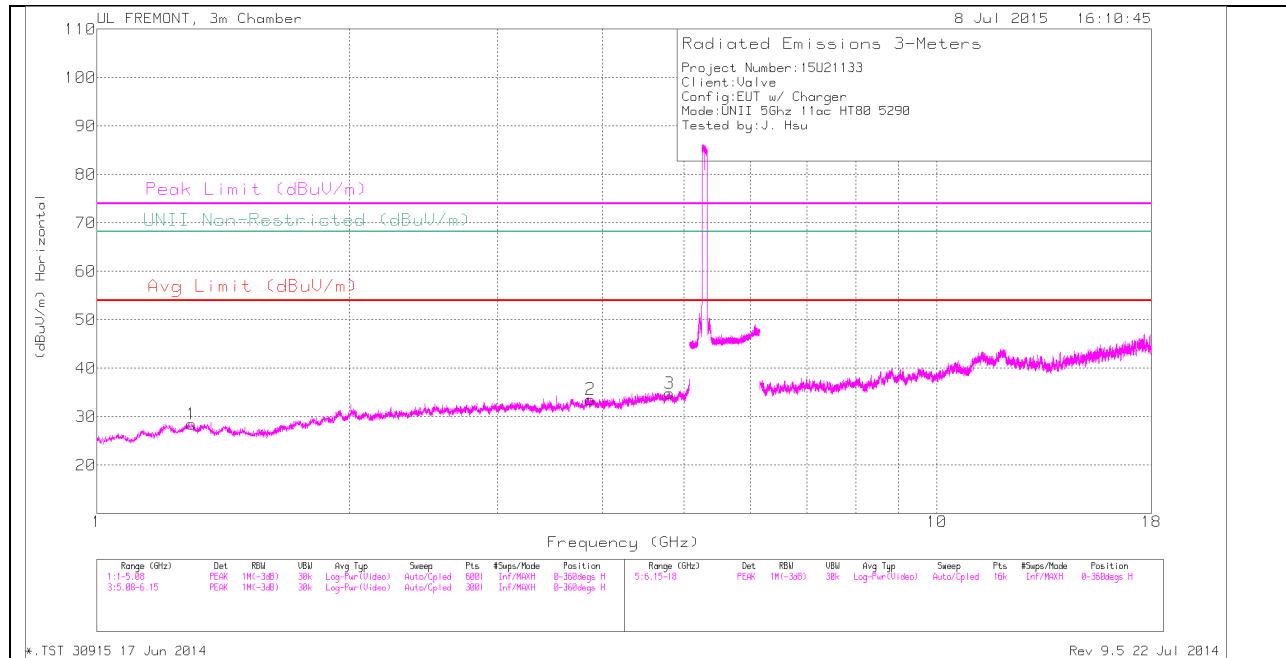
RMS - RMS detection

BandEdge 5350-5460MHz UNII Method AV - Vertical.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

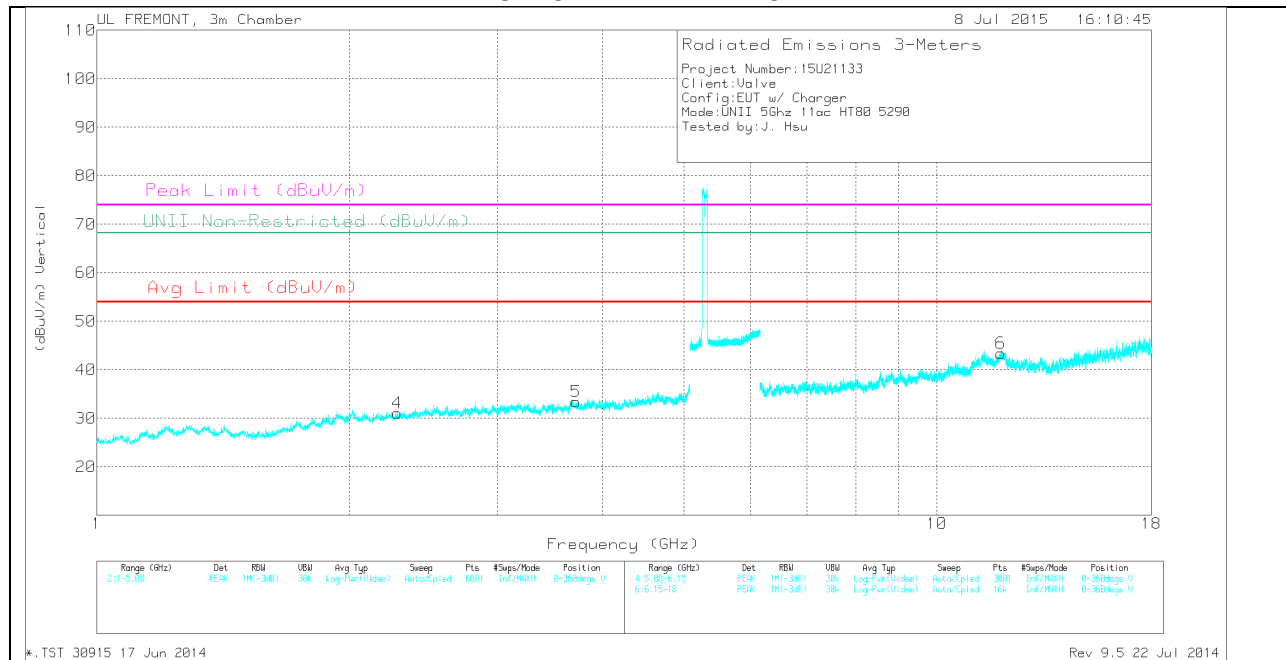
## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.296	31.75	PK	29.8	-33	0	28.55	-	-	74	-45.45	-	-	0-360	100	H
4	2.278	31.05	PK	31.6	-31.6	0	31.05	-	-	74	-42.95	-	-	0-360	100	V
5	3.719	30.6	PK	33	-30.2	0	33.4	-	-	74	-40.6	-	-	0-360	100	V
2	3.87	30.52	PK	33.2	-30.1	0	33.62	-	-	74	-40.38	-	-	0-360	200	H
3	4.801	30.11	PK	34	-29.3	0	34.81	-	-	74	-39.19	-	-	0-360	100	H
6	11.912	27.96	PK	39.1	-23.6	0	43.46	-	-	74	-30.54	-	-	0-360	200	V

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.295	41.15	PK1	29.8	-33	0	37.95	-	-	74	-36.05	-	-	360	100	H
1.297	29.54	AD1	29.9	-33	1.02	27.46	54	-26.54	-	-	-	-	360	100	H
2.278	28.9	AD1	31.6	-31.6	1.02	29.92	54	-24.08	-	-	-	-	360	100	V
2.28	40.52	PK1	31.6	-31.6	0	40.52	-	-	74	-33.48	-	-	360	100	V
3.72	28.43	AD1	33	-30.2	1.02	32.25	54	-21.75	-	-	-	-	360	100	V
3.721	40.42	PK1	33	-30.2	0	43.22	-	-	74	-30.78	-	-	360	100	V
3.87	28.22	AD1	33.1	-30.1	1.02	32.24	54	-21.76	-	-	-	-	360	100	H
3.872	39.76	PK1	33.2	-30.2	0	42.76	-	-	74	-31.24	-	-	360	100	H
4.802	40.56	PK1	34	-29.3	0	45.26	-	-	74	-28.74	-	-	360	100	H
4.803	28.45	AD1	34	-29.3	1.02	34.17	54	-19.83	-	-	-	-	360	100	H
11.91	25.55	AD1	39.1	-23.5	1.02	42.17	54	-11.83	-	-	-	-	360	100	V
11.912	36.81	PK1	39.1	-23.6	0	52.31	-	-	74	-21.69	-	-	360	100	V

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

\*.TST 30915 17 Jun 2014

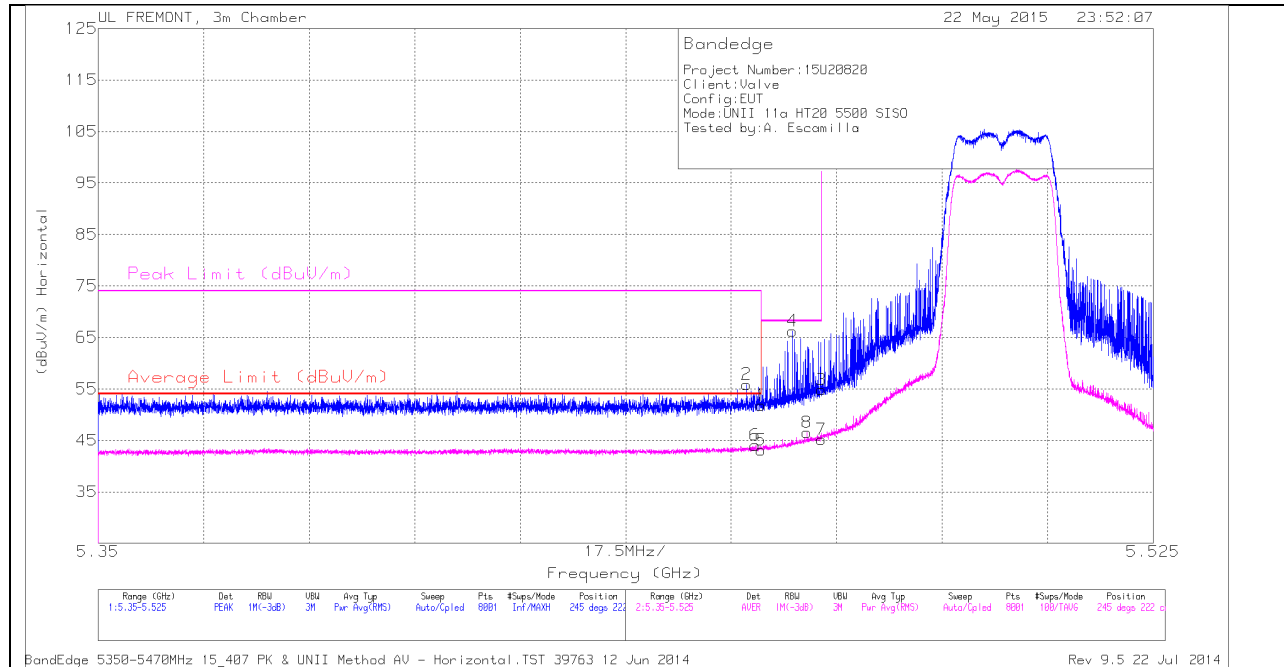
Rev 9.5 22 Jul 2014

## 12.3. 5.5-5.6 GHz

### 12.3.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.5 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	5.458	42.67	PK	34.6	-21.4	0	55.87	-	-	74	-18.13	245	222	H
6	5.459	30.84	RMS	34.6	-21.4	.11	44.04	54	-9.96	-	-	245	222	H
1	5.46	38.62	PK	34.6	-21.4	0	51.82	-	-	74	-22.18	245	222	H
5	5.46	29.91	RMS	34.6	-21.4	.11	43.11	54	-10.89	-	-	245	222	H
4	5.465	52.94	PK	34.6	-21.3	0	66.24	-	-	68.2	-1.96	245	222	H
8	5.468	33.23	RMS	34.6	-21.3	.11	46.53	-	-	-	-	245	222	H
3	5.47	41.52	PK	34.6	-21.3	0	54.82	-	-	68.2	-13.38	245	222	H
7	5.47	31.88	RMS	34.6	-21.3	.11	45.18	-	-	-	-	245	222	H

PK - Peak detector

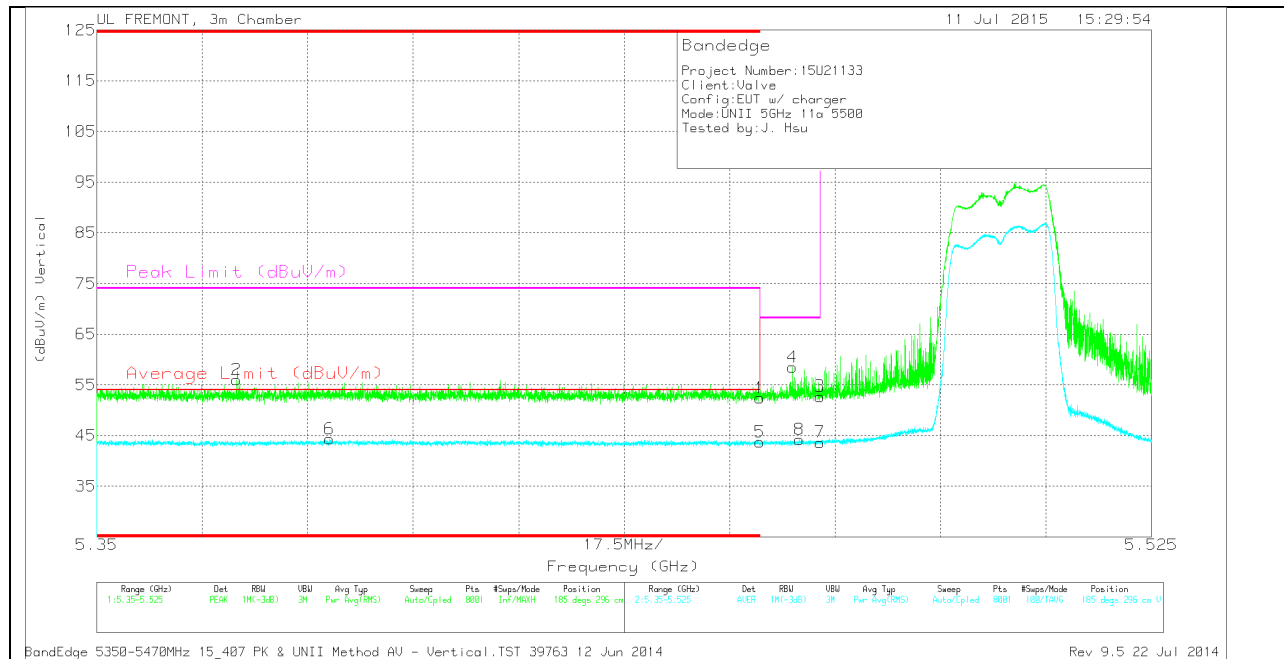
RMS - RMS detection

BandEdge 5350-5470MHz 15\_407 PK & UNII Method AV - Horizontal.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014



## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filter (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	* 5.46	38.52	PK	34.6	-20.7	0	52.42	-	-	74	-21.58	185	296	V
2	* 5.373	41.96	PK	34.6	-20.6	0	55.96	-	-	74	-18.04	185	296	V
5	* 5.46	29.65	RMS	34.6	-20.7	.11	43.66	54	-10.34	-	-	185	296	V
6	* 5.389	30.17	RMS	34.6	-20.6	.11	44.28	54	-9.72	-	-	185	296	V
4	5.465	44.53	PK	34.6	-20.6	0	58.53	-	-	68.2	-9.67	185	296	V
8	5.467	30.08	RMS	34.6	-20.6	.11	44.19	-	-	-	-	185	296	V
3	5.47	38.71	PK	34.6	-20.6	0	52.71	-	-	68.2	-15.49	185	296	V
7	5.47	29.54	RMS	34.6	-20.6	.11	43.65	-	-	-	-	185	296	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

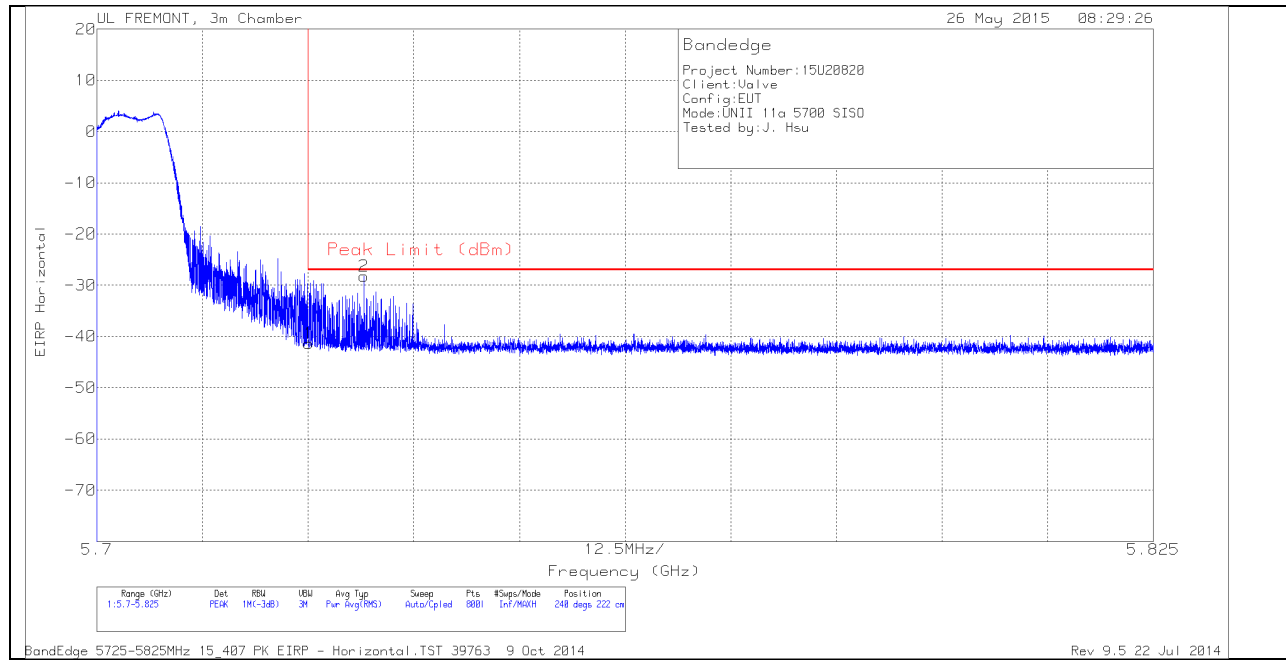
RMS - RMS detection

BandEdge 5350-5470MHz 15\_407 PK & UNII Method AV - Vertical.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

## AUTHORIZED BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

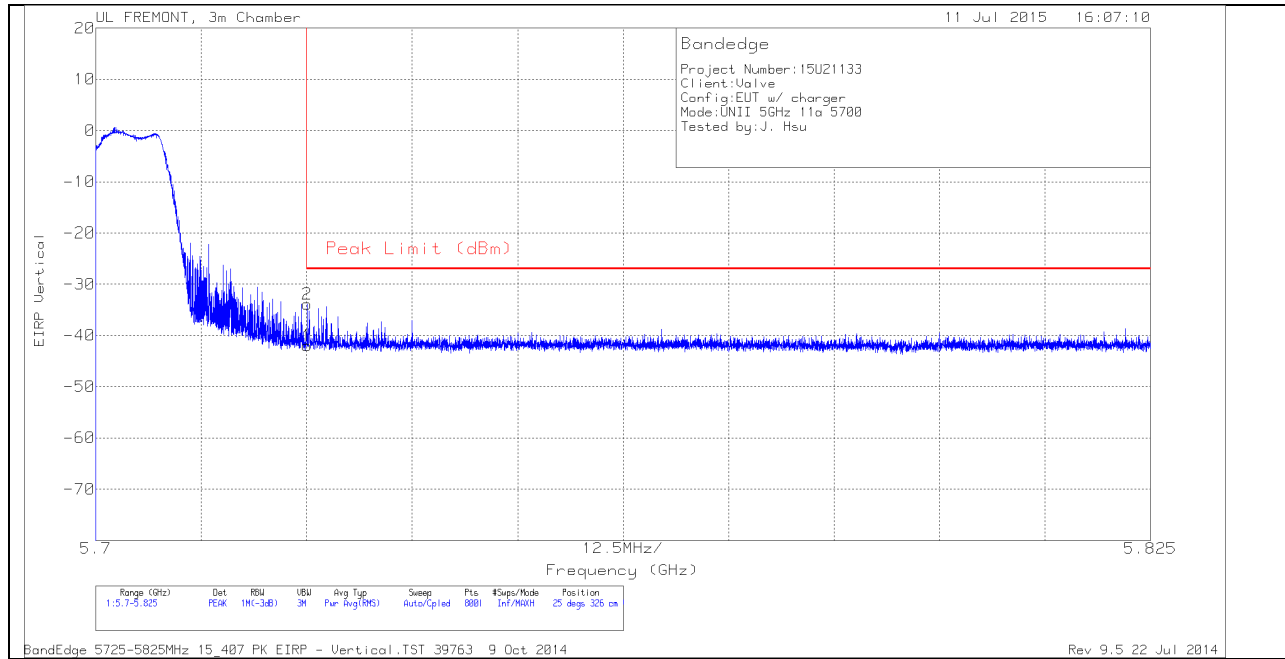
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-66.9	PK	34.8	-21.1	11.8	-41.4	-27	-14.4	240	222	H
2	5.732	-53.75	PK	34.8	-21.1	11.8	-28.25	-27	-1.25	240	222	H

PK - Peak detector

BandEdge 5725-5825MHz 15\_407 PK EIRP - Horizontal.TST 39763 9 Oct 2014

Rev 9.5 22 Jul 2014

### VERTICAL PEAK AND AVERAGE PLOT



### VERTICAL DATA

#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.27	PK	34.8	-20.3	11.8	0	-41.97	-27	-14.97	25	326	V
2	5.725	-60.2	PK	34.8	-20.3	11.8	0	-33.9	-27	-6.9	25	326	V

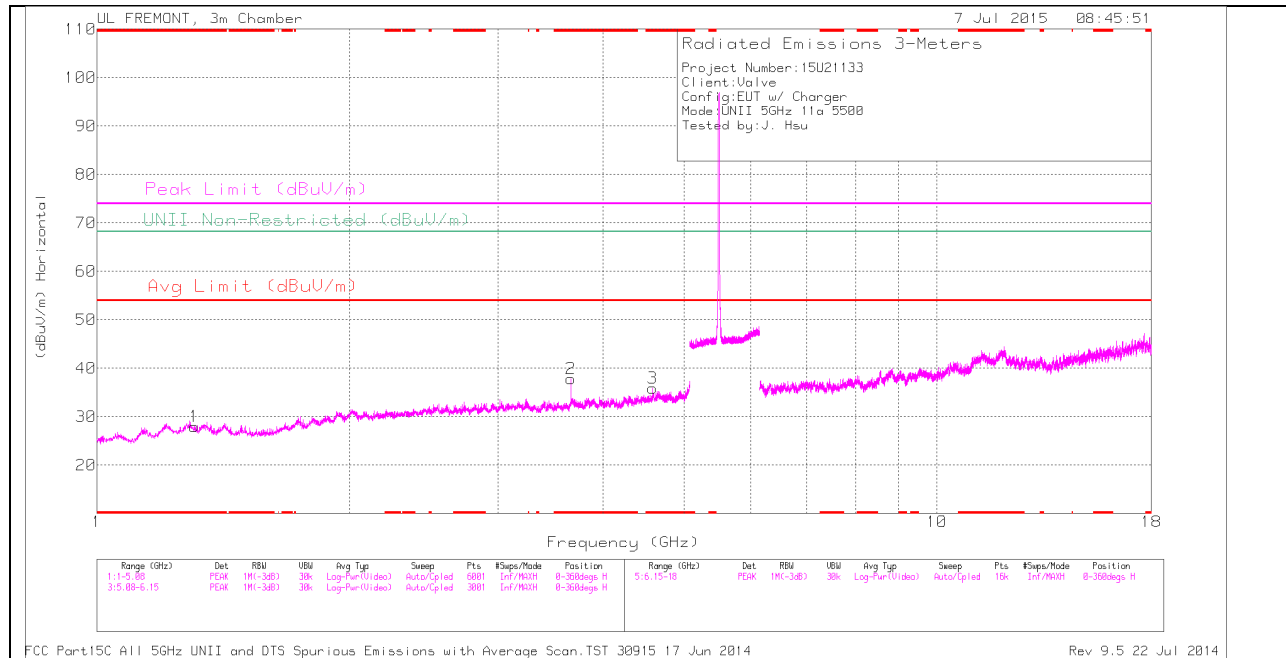
PK - Peak detector

BandEdge 5725-5825MHz 15\_407 PK EIRP - Vertical.TST 39763 9 Oct 2014

Rev 9.5 22 Jul 2014

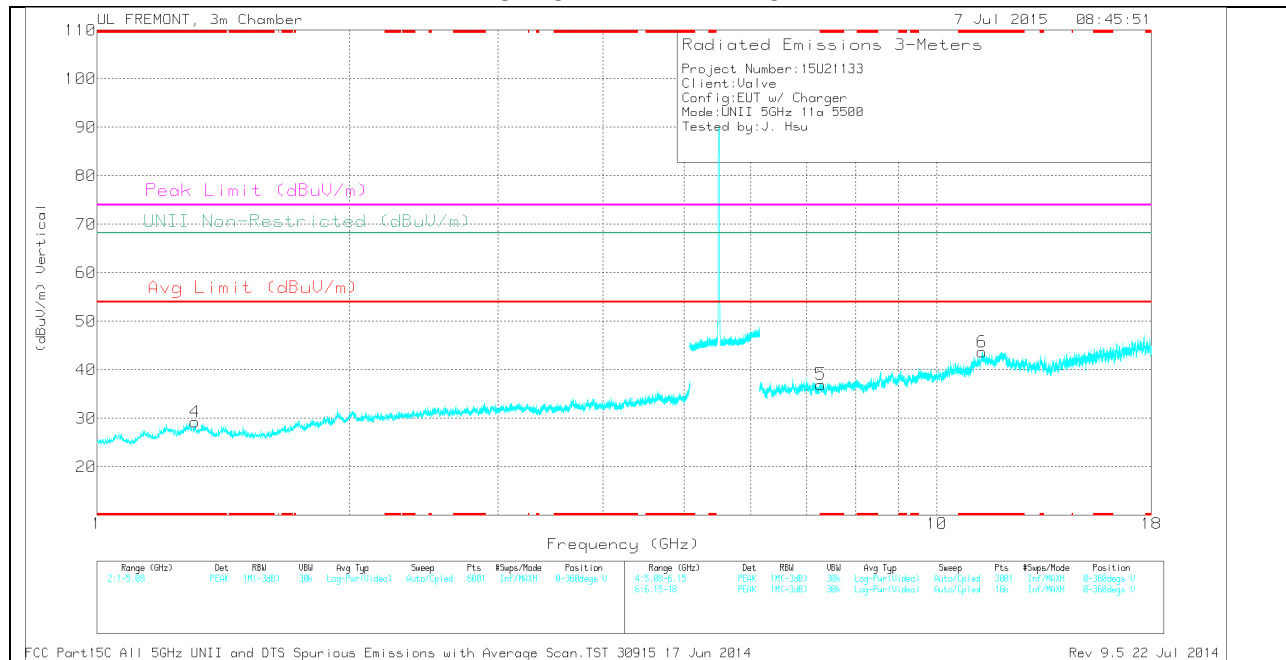
## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.307	31.2	PK	29.8	-33	0	28	-	-	74	-46	-	-	0-360	100	H
2	* 3.667	34.59	PK	32.9	-29.7	0	37.79	-	-	74	-36.21	-	-	0-360	200	H
3	* 4.59	31.91	PK	33.9	-29.9	0	35.91	-	-	74	-38.09	-	-	0-360	100	H
4	* 1.309	32.5	PK	29.8	-33	0	29.3	-	-	74	-44.7	-	-	0-360	100	V
5	* 7.273	29.9	PK	35.6	-28.5	0	37	-	-	74	-37	-	-	0-360	100	V
6	* 11.31	28.63	PK	38.1	-23.1	0	43.63	-	-	74	-30.37	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.308	41.34	PK1	29.8	-33	0	38.14	-	-	74	-35.86	-	-	360	100	H
* 1.307	29.35	AD1	29.8	-33	.11	26.26	54	-27.74	-	-	-	-	360	100	H
* 3.666	42.62	PK1	32.9	-29.8	0	45.72	-	-	74	-28.28	-	-	293	106	H
* 3.667	34.66	AD1	32.9	-29.8	.11	37.87	54	-16.13	-	-	-	-	293	106	H
* 4.589	40.33	PK1	33.8	-29.9	0	44.23	-	-	74	-29.77	-	-	293	106	H
* 4.592	28.7	AD1	33.9	-29.8	.11	32.91	54	-21.09	-	-	-	-	293	106	H
* 1.309	40.55	PK1	29.8	-33	0	37.35	-	-	74	-36.65	-	-	293	106	V
* 1.308	29.3	AD1	29.8	-33	.11	26.21	54	-27.79	-	-	-	-	293	106	V
* 7.275	39.09	PK1	35.6	-28.5	0	46.19	-	-	74	-27.81	-	-	293	106	V
* 7.275	27.83	AD1	35.6	-28.5	.11	35.04	54	-18.96	-	-	-	-	293	106	V
* 11.312	36.49	PK1	38.1	-23.1	0	51.49	-	-	74	-22.51	-	-	293	106	V
* 11.312	25.5	AD1	38.1	-23.1	.11	40.61	54	-13.39	-	-	-	-	293	106	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

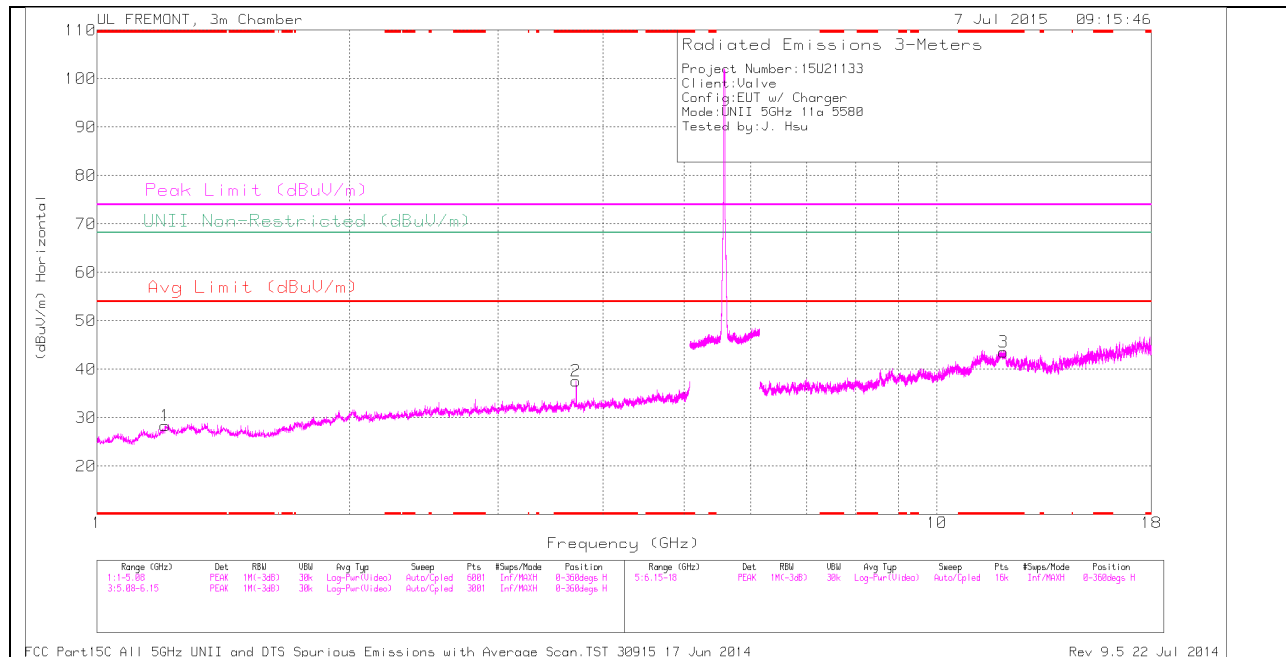
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

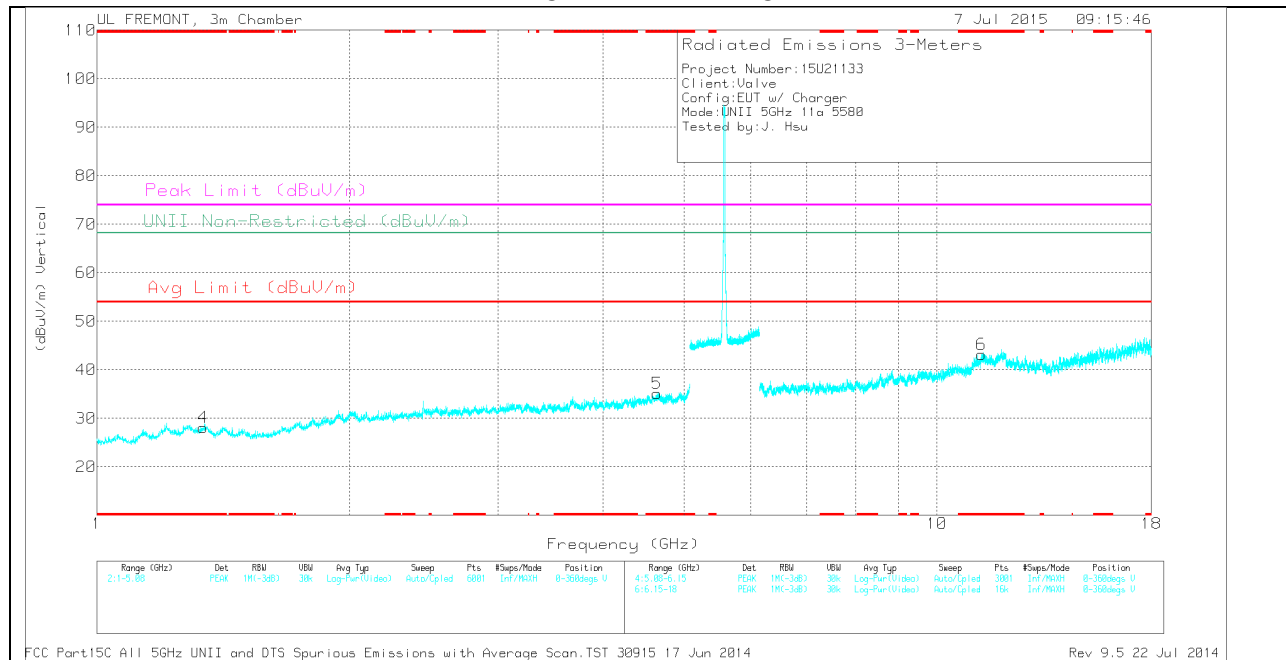
Rev 9.5 22 Jul 2014

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.205	31.96	PK	29	-32.6	0	28.36	-	-	74	-45.64	-	-	0-360	100	H
2	* 3.72	34.76	PK	33	-30.2	0	37.56	-	-	74	-36.44	-	-	0-360	100	H
4	* 1.339	31.55	PK	29.4	-32.8	0	28.15	-	-	74	-45.85	-	-	0-360	100	V
5	* 4.643	30.76	PK	33.9	-29.6	0	35.06	-	-	74	-38.94	-	-	0-360	200	V
3	* 11.989	27.85	PK	39.1	-23.4	0	43.55	-	-	74	-30.45	-	-	0-360	200	H
6	* 11.29	27.81	PK	38	-22.6	0	43.21	-	-	74	-30.79	-	-	0-360	200	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.205	41.35	PK1	29	-32.6	0	37.75	-	-	74	-36.25	-	-	360	100	H
* 1.207	30.01	AD1	29	-32.6	.11	26.52	54	-27.48	-	-	-	-	360	100	H
* 3.72	41.56	PK1	33	-30.2	0	44.36	-	-	74	-29.64	-	-	259	121	H
* 3.72	32.71	AD1	33	-30.2	.11	35.62	54	-18.38	-	-	-	-	259	121	H
* 1.337	41.5	PK1	29.4	-32.8	0	38.1	-	-	74	-35.9	-	-	259	121	V
* 1.34	29.96	AD1	29.4	-32.8	.11	26.67	54	-27.33	-	-	-	-	259	121	V
* 4.644	40.43	PK1	33.9	-29.6	0	44.73	-	-	74	-29.27	-	-	259	121	V
* 4.645	28.61	AD1	33.9	-29.6	.11	33.02	54	-20.98	-	-	-	-	259	121	V
* 11.988	36.76	PK1	39.1	-23.4	0	52.46	-	-	74	-21.54	-	-	259	121	H
* 11.991	25.39	AD1	39.1	-23.4	.11	41.2	54	-12.8	-	-	-	-	259	121	H
* 11.291	36.17	PK1	38	-22.6	0	51.57	-	-	74	-22.43	-	-	259	121	V
* 11.292	24.92	AD1	38	-22.6	.11	40.43	54	-13.57	-	-	-	-	259	121	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

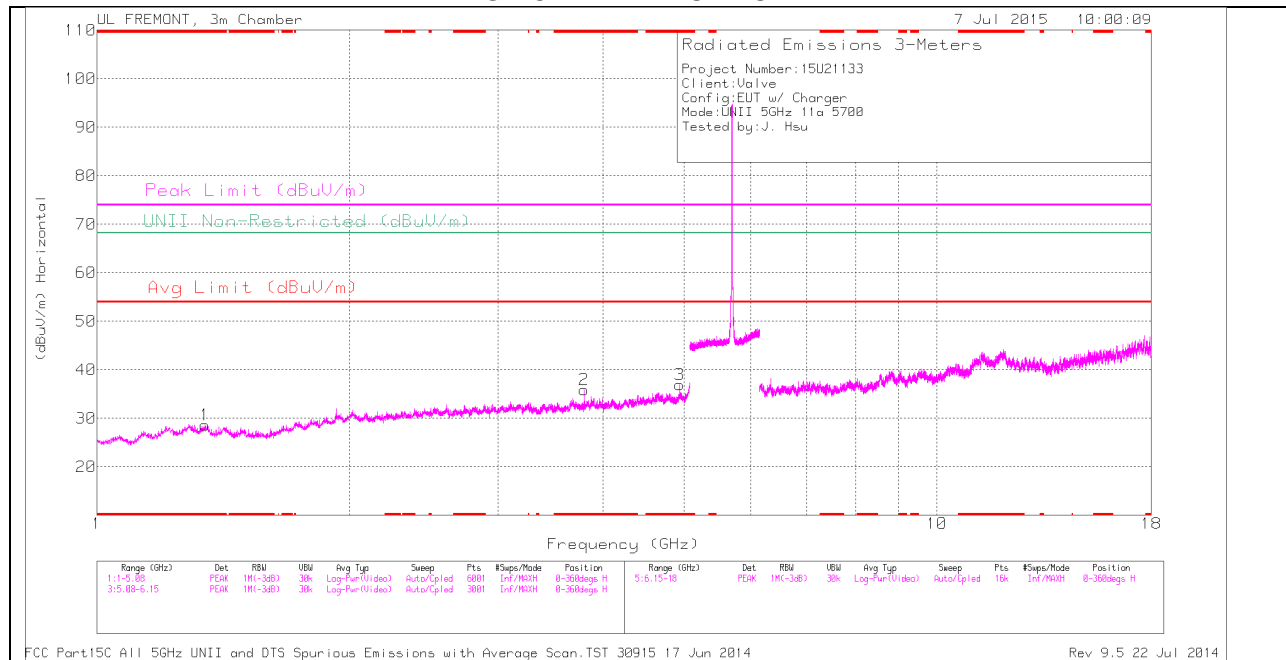
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

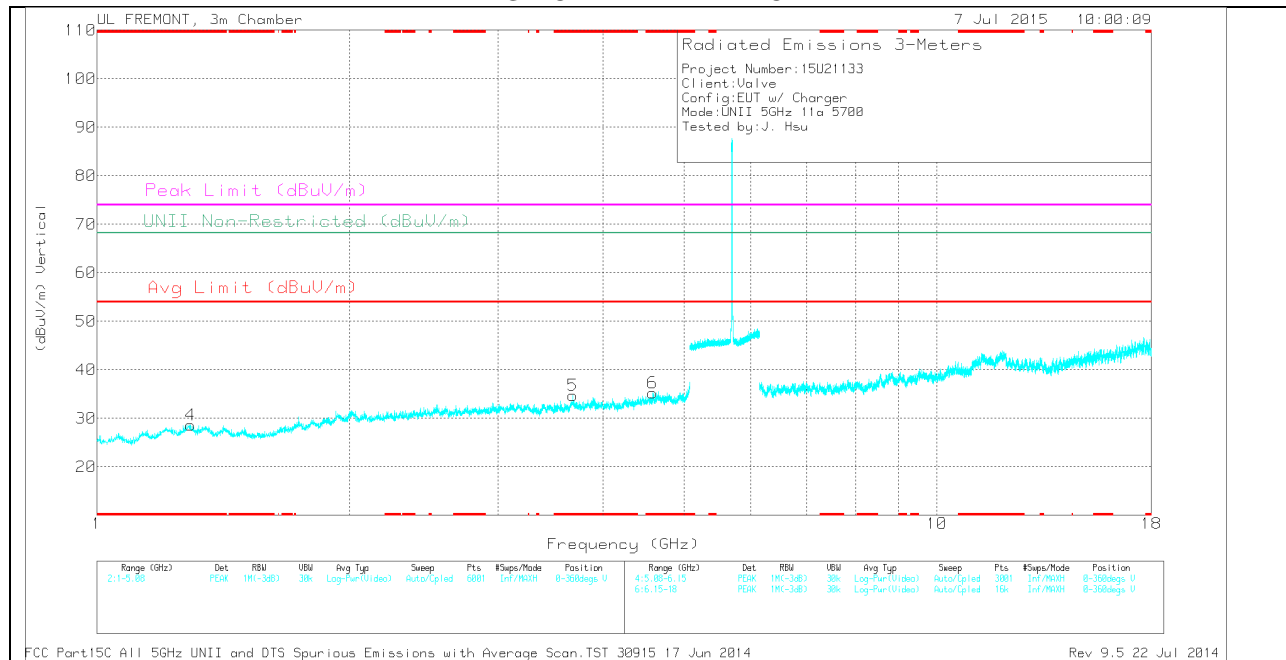
Rev 9.5 22 Jul 2014

### HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.345	32.09	PK	29.3	-32.8	0	28.59	-	-	74	-45.41	-	-	0-360	200	H
2	* 3.8	33.77	PK	33.1	-31	0	35.87	-	-	74	-38.13	-	-	0-360	100	H
3	* 4.939	31.6	PK	34	-28.7	0	36.9	-	-	74	-37.1	-	-	0-360	200	H
4	* 1.292	31.8	PK	29.8	-33	0	28.6	-	-	74	-45.4	-	-	0-360	200	V
5	* 3.685	31.5	PK	33	-29.8	0	34.7	-	-	74	-39.3	-	-	0-360	200	V
6	* 4.586	31.37	PK	33.8	-29.9	0	35.27	-	-	74	-38.73	-	-	0-360	200	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.346	41.92	PK1	29.3	-32.8	0	38.42	-	-	74	-35.58	-	-	360	100	H
* 1.344	30.05	AD1	29.3	-32.8	.11	26.66	54	-27.34	-	-	-	-	360	100	H
* 3.8	41.12	PK1	33.1	-31	0	43.22	-	-	74	-30.78	-	-	360	100	H
* 3.8	30.7	AD1	33.1	-31	.11	32.91	54	-21.09	-	-	-	-	360	100	H
* 4.939	39.91	PK1	34	-28.7	0	45.21	-	-	74	-28.79	-	-	360	100	H
* 4.937	28.52	AD1	34	-28.7	.11	33.93	54	-20.07	-	-	-	-	360	100	H
* 1.294	41.27	PK1	29.8	-33	0	38.07	-	-	74	-35.93	-	-	360	100	V
* 1.29	29.88	AD1	29.8	-33	.11	26.79	54	-27.21	-	-	-	-	360	100	V
* 3.684	40.97	PK1	33	-29.8	0	44.17	-	-	74	-29.83	-	-	360	100	V
* 3.684	28.74	AD1	33	-29.8	.11	32.05	54	-21.95	-	-	-	-	360	100	V
* 4.587	40.69	PK1	33.8	-29.9	0	44.59	-	-	74	-29.41	-	-	360	100	V
* 4.586	28.92	AD1	33.8	-29.9	.11	32.93	54	-21.07	-	-	-	-	360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

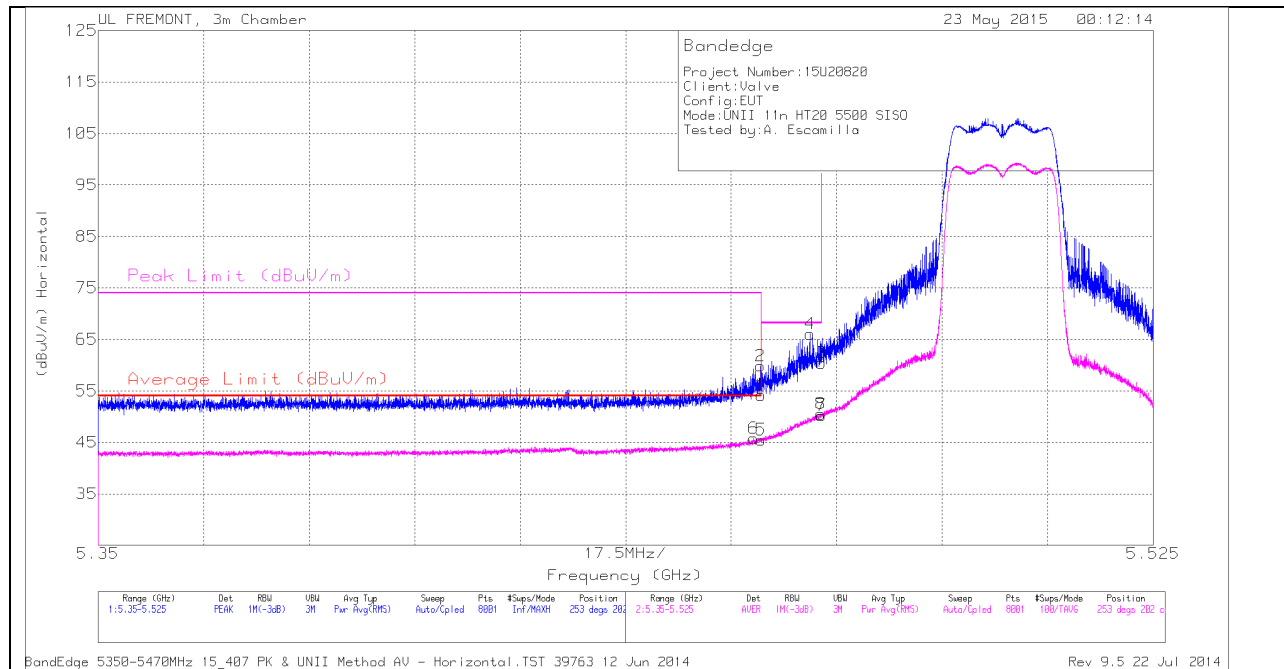
AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

# **12.3.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)**

## **HORIZONTAL PEAK AND AVERAGE PLOT**



## **HORIZONTAL DATA**

### **Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	5.459	32.59	RMS	34.6	-21.4	45.79	54	-8.21	-	-	253	202	H
1	5.46	41	PK	34.6	-21.4	54.2	-	-	74	-19.8	253	202	H
2	5.46	46.63	PK	34.6	-21.4	59.83	-	-	74	-14.17	253	202	H
5	5.46	32.29	RMS	34.6	-21.4	45.49	54	-8.51	-	-	253	202	H
4	5.468	52.75	PK	34.6	-21.3	66.05	-	-	68.2	-2.15	253	202	H
3	5.47	47.13	PK	34.6	-21.3	60.43	-	-	68.2	-7.77	253	202	H
7	5.47	36.92	RMS	34.6	-21.3	50.22	-	-	-	-	253	202	H
8	5.47	37.22	RMS	34.6	-21.3	50.52	-	-	-	-	253	202	H

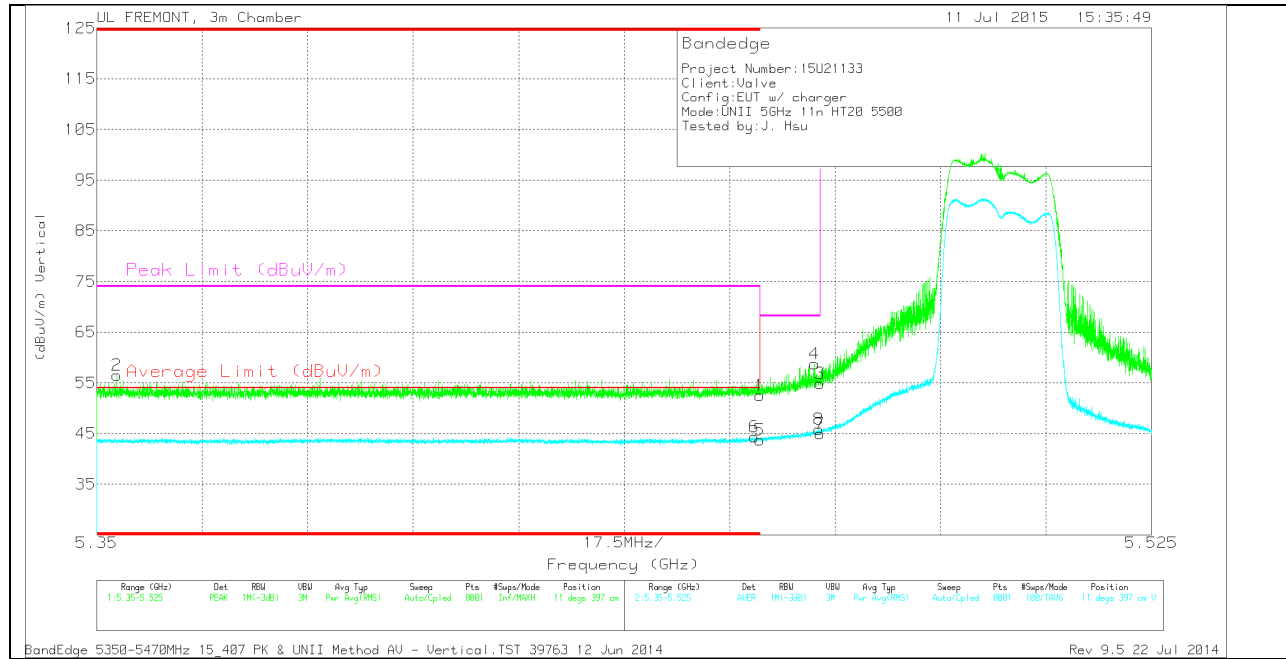
PK - Peak detector

RMS - RMS detection

BandEdge 5350-5470MHz 15\_407 PK & UNII Method AV - Horizontal.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

# VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 5.46	38.62	PK	34.6	-20.7	52.52	-	-	74	-21.48	11	397	V
2	* 5.353	42.61	PK	34.5	-20.6	56.51	-	-	74	-17.49	11	397	V
5	* 5.46	29.81	RMS	34.6	-20.7	43.71	54	-10.29	-	-	11	397	V
6	* 5.459	30.4	RMS	34.6	-20.7	44.3	54	-9.7	-	-	11	397	V
4	5.469	44.78	PK	34.6	-20.6	58.78	-	-	68.2	-9.42	11	397	V
3	5.47	40.92	PK	34.6	-20.6	54.92	-	-	68.2	-13.28	11	397	V
7	5.47	30.95	RMS	34.6	-20.6	44.95	-	-	-	-	11	397	V
8	5.47	31.78	RMS	34.6	-20.6	45.78	-	-	-	-	11	397	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

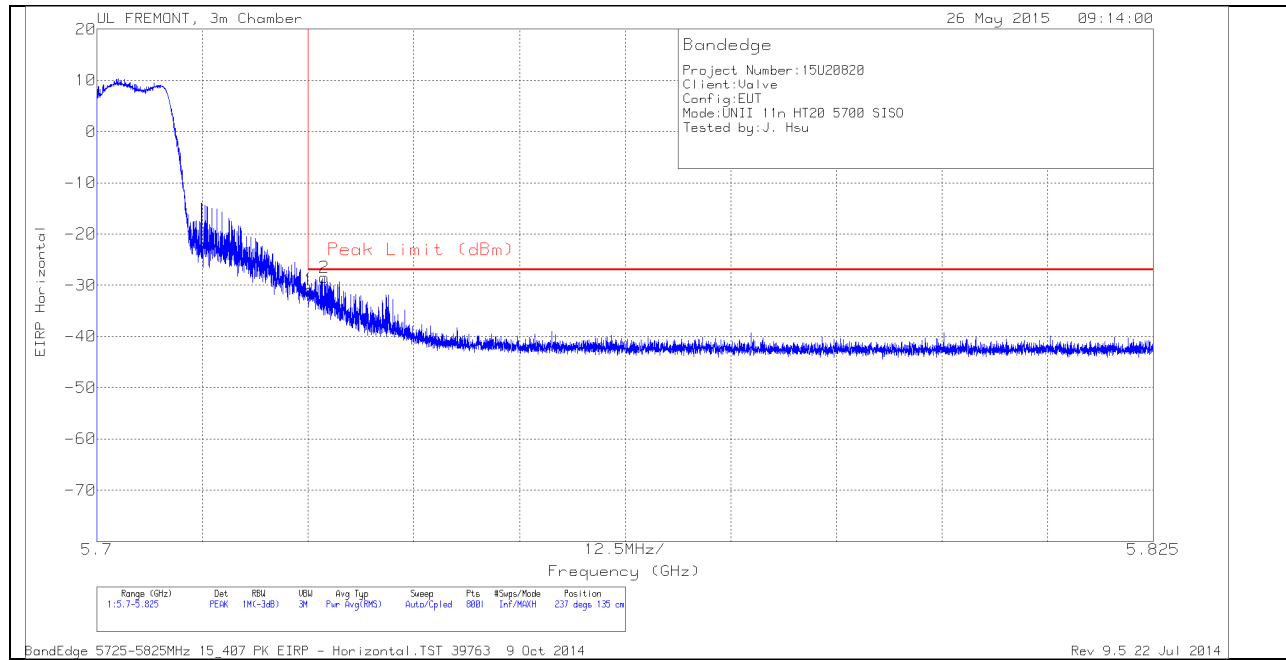
RMS - RMS detection

BandEdge 5350-5470MHz 15\_407 PK & UNII Method AV - Vertical.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

## AUTHORIZED BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

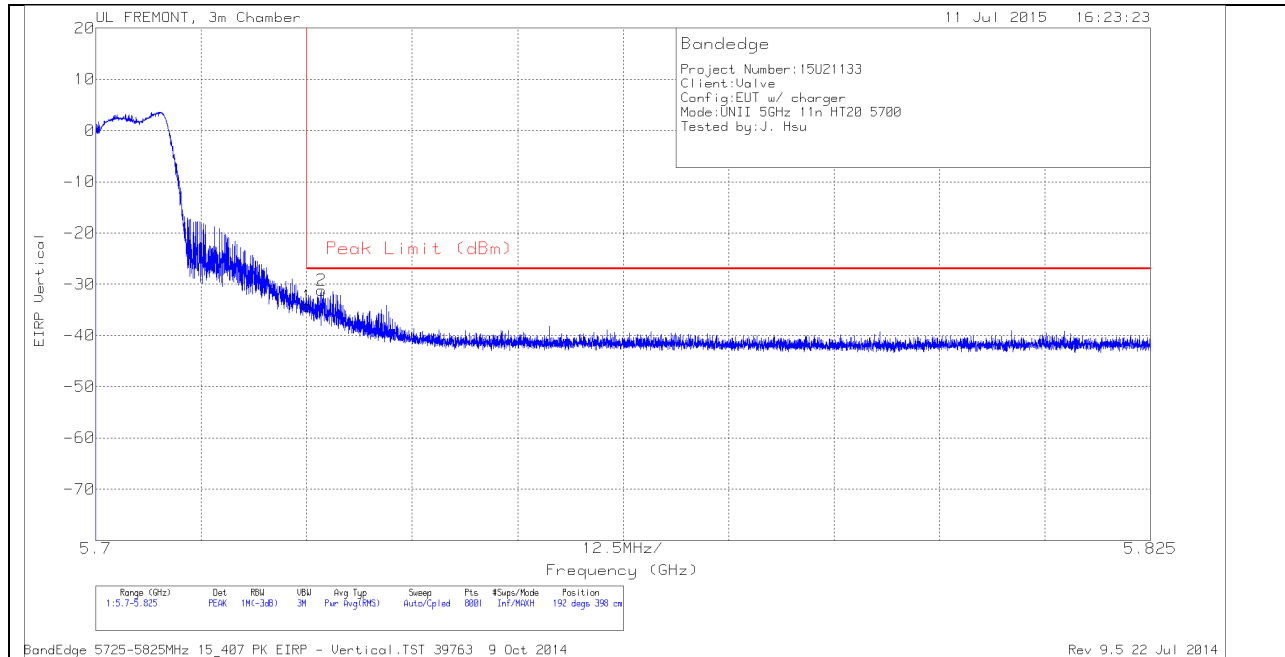
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-56.43	PK	34.8	-21.1	11.8	-30.93	-27	-3.93	237	135	H
2	5.727	-54.01	PK	34.8	-21.1	11.8	-28.51	-27	-1.51	237	135	H

PK - Peak detector

BandEdge 5725-5825MHz 15\_407 PK EIRP - Horizontal.TST 39763 9 Oct 2014

Rev 9.5 22 Jul 2014

### VERTICAL PEAK AND AVERAGE PLOT



### VERTICAL DATA

#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-60.59	PK	34.8	-20.3	11.8	-34.29	-27	-7.29	192	398	V
2	5.727	-57.51	PK	34.8	-20.3	11.8	-31.21	-27	-4.21	192	398	V

PK - Peak detector

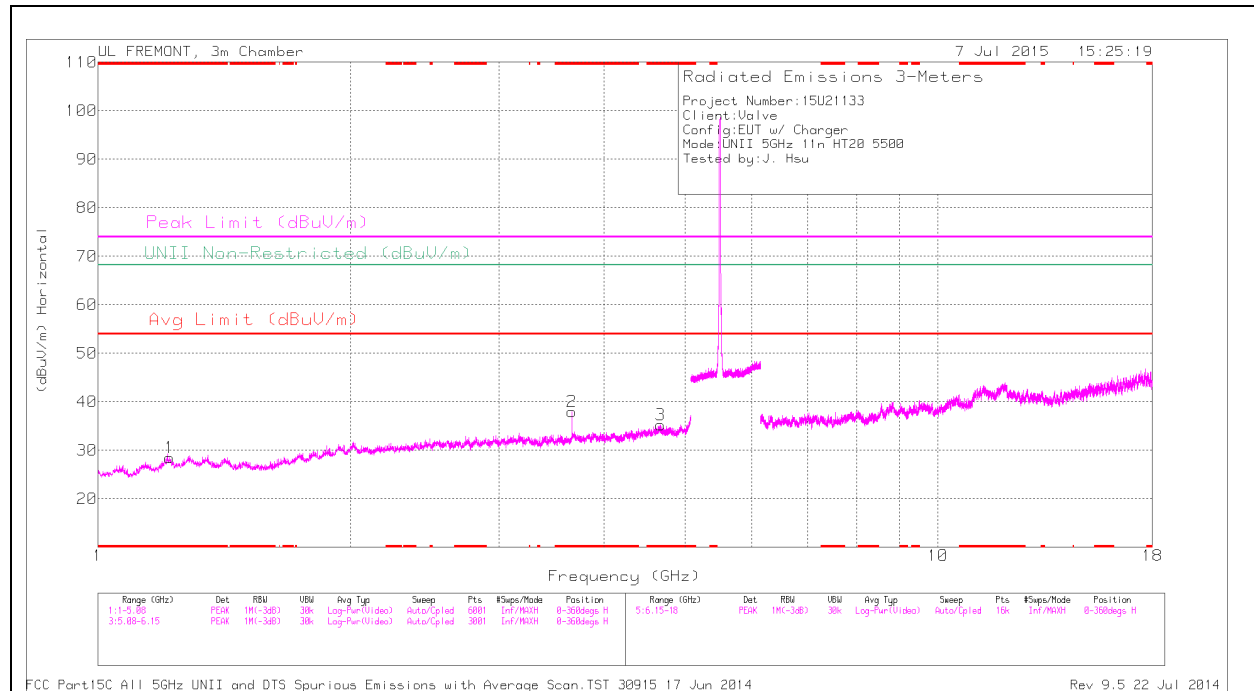
BandEdge 5725-5825MHz 15\_407 PK EIRP - Vertical.TST 39763 9 Oct 2014

Rev 9.5 22 Jul 2014



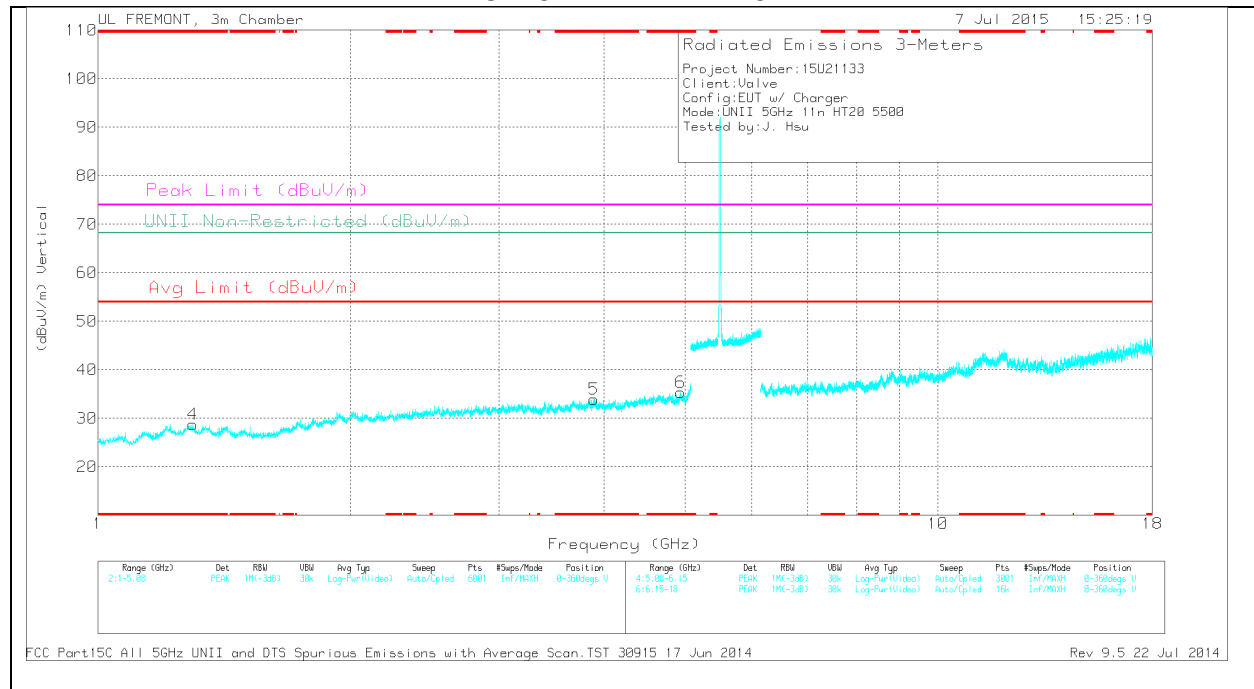
## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.218	32.11	PK	29.1	-32.7	28.51	-	-	74	-45.49	-	-	0-360	100	H
2	* 3.667	34.78	PK	32.9	-29.7	37.98	-	-	74	-36.02	-	-	0-360	100	H
3	* 4.674	31.03	PK	34	-29.8	35.23	-	-	74	-38.77	-	-	0-360	100	H
4	* 1.296	31.87	PK	29.9	-33	28.77	-	-	74	-45.23	-	-	0-360	200	V
5	* 3.895	30.66	PK	33.2	-29.9	33.96	-	-	74	-40.04	-	-	0-360	100	V
6	* 4.938	30.07	PK	34	-28.7	35.37	-	-	74	-38.63	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.219	41.57	PK1	29.1	-32.7	37.97	-	-	74	-36.03	-	-	360	100	H
* 1.217	29.95	AD1	29.1	-32.7	26.35	54	-27.65	-	-	-	-	360	100	H
* 3.667	42.58	PK1	32.9	-29.8	45.68	-	-	74	-28.32	-	-	289	106	H
* 3.667	34.82	AD1	32.9	-29.7	38.02	54	-15.98	-	-	-	-	289	106	H
* 4.676	40.06	PK1	34	-29.8	44.26	-	-	74	-29.74	-	-	289	106	H
* 4.674	28.71	AD1	34	-29.7	33.01	54	-20.99	-	-	-	-	289	106	H
* 1.298	40.86	PK1	29.9	-33	37.76	-	-	74	-36.24	-	-	289	106	V
* 1.297	29.64	AD1	29.9	-33	26.54	54	-27.46	-	-	-	-	289	106	V
* 3.897	39.79	PK1	33.2	-30	42.99	-	-	74	-31.01	-	-	289	106	V
* 3.897	28.52	AD1	33.2	-30	31.72	54	-22.28	-	-	-	-	289	106	V
* 4.937	39.66	PK1	34	-28.7	44.96	-	-	74	-29.04	-	-	289	106	V
* 4.938	28.34	AD1	34	-28.7	33.64	54	-20.36	-	-	-	-	289	106	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

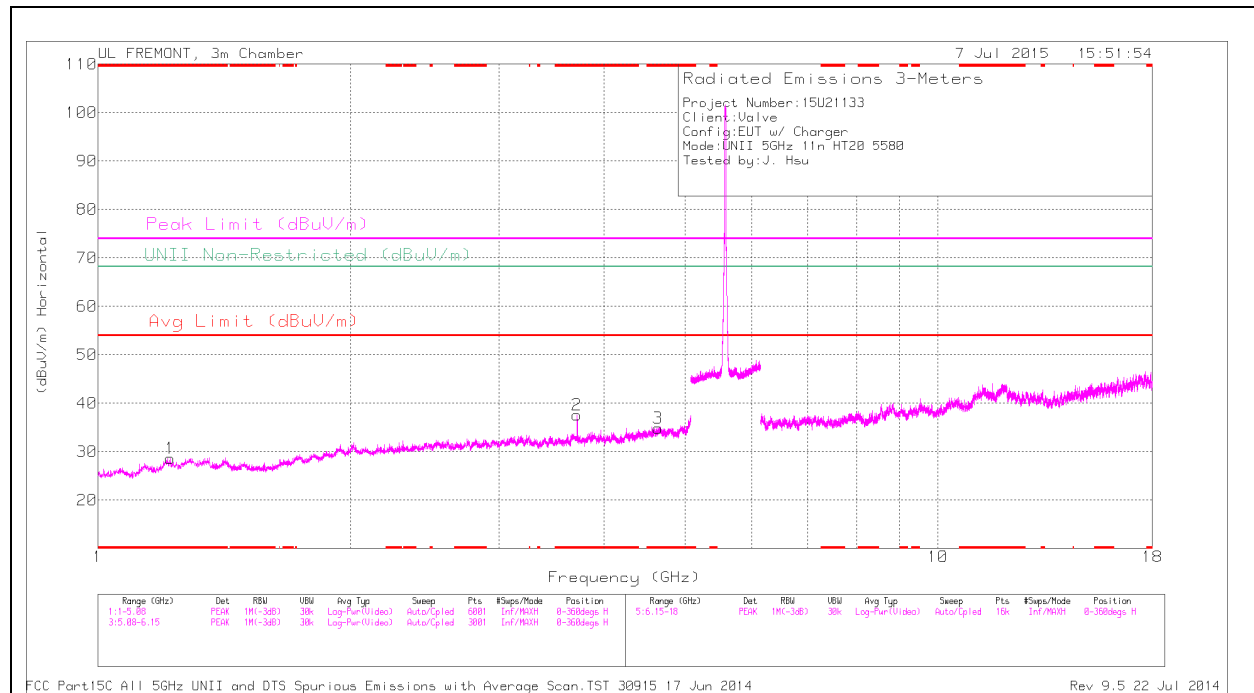
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

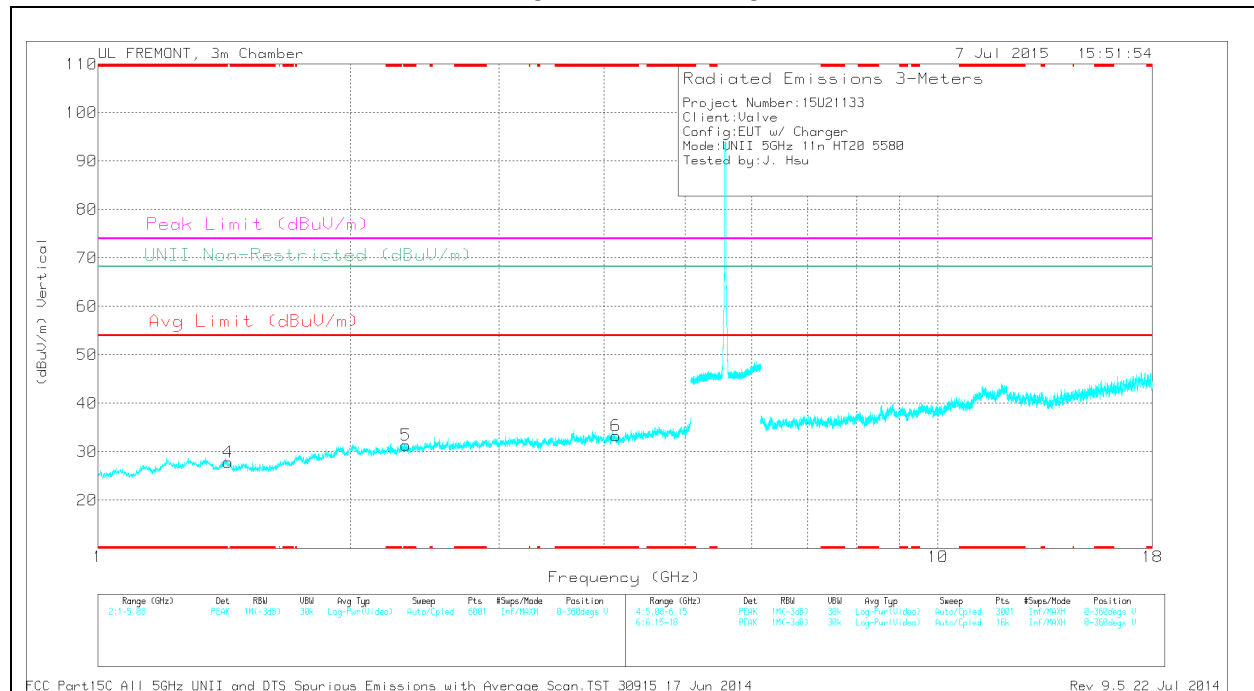
Rev 9.5 22 Jul 2014

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.219	32.21	PK	29.1	-32.7	28.61	-	-	74	-45.39	-	-	0-360	100	H
2	* 3.72	34.77	PK	33	-30.2	37.57	-	-	74	-36.43	-	-	0-360	100	H
3	* 4.644	30.61	PK	33.9	-29.6	34.91	-	-	74	-39.09	-	-	0-360	200	H
5	* 2.326	31.52	PK	31.7	-31.9	31.32	-	-	74	-42.68	-	-	0-360	100	V
6	* 4.134	30.49	PK	33.3	-30.5	33.29	-	-	74	-40.71	-	-	0-360	200	V
4	1.428	31.42	PK	28.5	-32.1	27.82	-	-	-	-	68.2	-40.38	0-360	200	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.218	41.11	PK1	29.1	-32.7	37.51	-	-	74	-36.49	-	-	360	100	H
* 1.218	29.96	AD1	29.1	-32.7	26.36	54	-27.64	-	-	-	-	360	100	H
* 3.72	40.81	PK1	33	-30.2	43.61	-	-	74	-30.39	-	-	360	100	H
* 3.72	30.92	AD1	33	-30.2	33.72	54	-20.28	-	-	-	-	360	100	H
* 4.646	39.82	PK1	34	-29.6	44.22	-	-	74	-29.78	-	-	318	212	H
* 4.645	28.41	AD1	33.9	-29.6	32.71	54	-21.29	-	-	-	-	318	212	H
* 2.326	40.95	PK1	31.7	-31.9	40.75	-	-	74	-33.25	-	-	318	212	V
* 2.326	29.33	AD1	31.7	-31.9	29.13	54	-24.87	-	-	-	-	318	212	V
* 4.133	40.03	PK1	33.3	-30.5	42.83	-	-	74	-31.17	-	-	318	212	V
* 4.134	28.51	AD1	33.3	-30.5	31.31	54	-22.69	-	-	-	-	318	212	V
1.428	41.44	PK1	28.5	-32.1	37.84	-	-	-	-	68.2	-30.36	318	212	V
1.428	29.6	AD1	28.5	-32.1	26	-	-	-	-	-	-	318	212	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

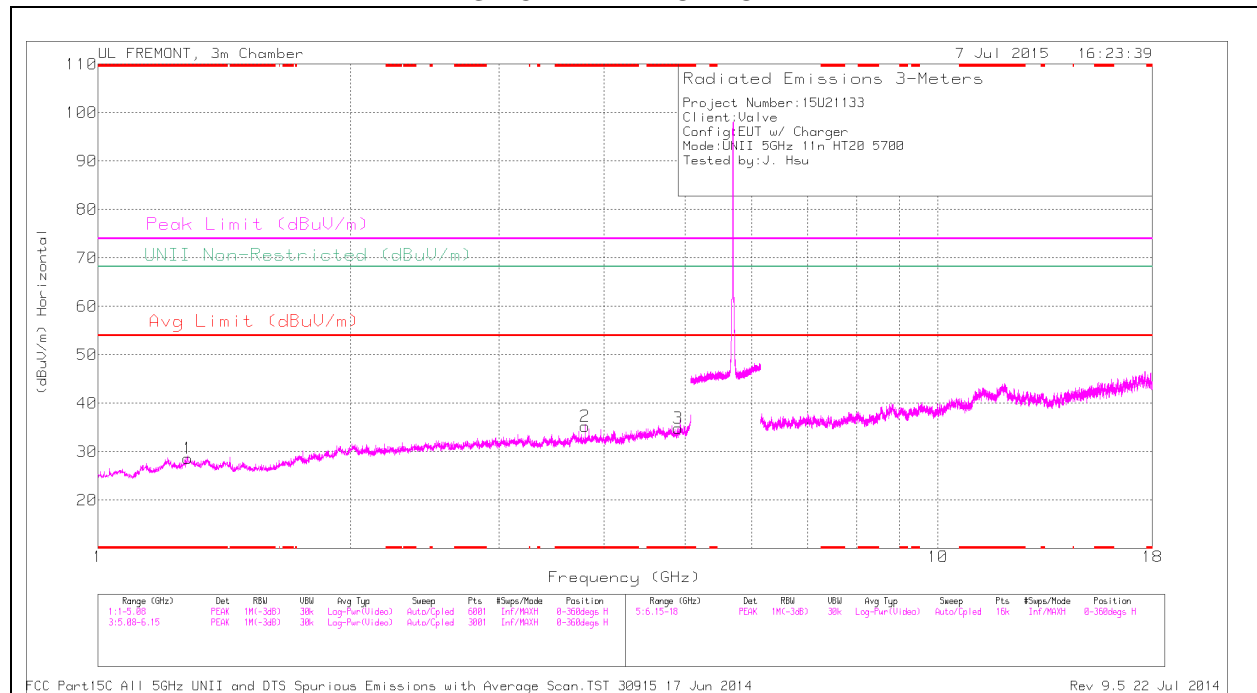
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

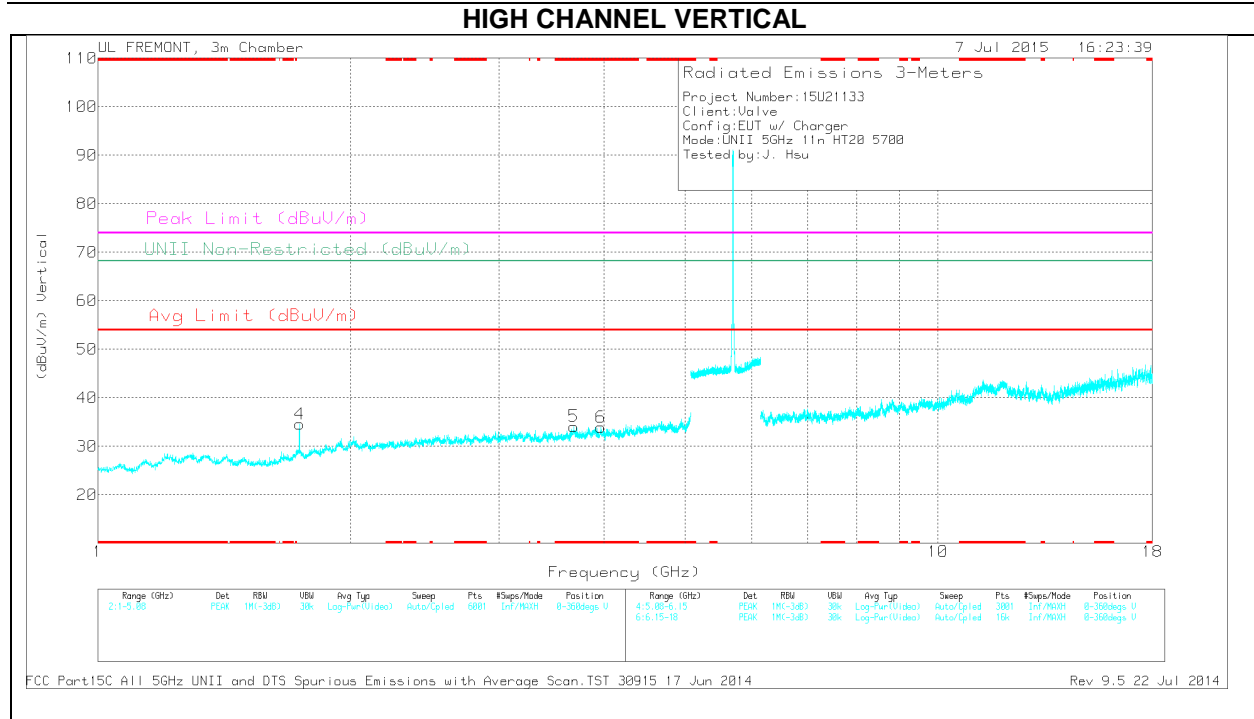
FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.279	31.89	PK	29.7	-33	28.59	-	-	74	-45.41	-	-	0-360	100	H
2	* 3.8	33.18	PK	33.1	-31	35.28	-	-	74	-38.72	-	-	0-360	100	H
3	* 4.903	30.06	PK	34	-29.2	34.86	-	-	74	-39.14	-	-	0-360	200	H
5	* 3.683	30.84	PK	33	-29.7	34.14	-	-	74	-39.86	-	-	0-360	100	V
6	* 3.965	31.56	PK	33.2	-30.8	33.96	-	-	74	-40.04	-	-	0-360	200	V
4	1.737	36.64	PK	29.4	-31.5	34.54	-	-	-	-	68.2	-33.66	0-360	200	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.279	41.16	PK1	29.7	-33	37.86	-	-	74	-36.14	-	-	359	100	H
* 1.279	29.9	AD1	29.7	-33	26.6	54	-27.4	-	-	-	-	359	100	H
* 3.8	40.83	PK1	33.1	-31	42.93	-	-	74	-31.07	-	-	359	100	H
* 3.8	30.7	AD1	33.1	-31	32.8	54	-21.2	-	-	-	-	359	100	H
* 4.904	39.94	PK1	34	-29.2	44.74	-	-	74	-29.26	-	-	359	100	H
* 4.902	28.48	AD1	34	-29.3	33.18	54	-20.82	-	-	-	-	359	100	H
* 3.682	40.27	PK1	33	-29.7	43.57	-	-	74	-30.43	-	-	175	335	V
* 3.684	28.52	AD1	33	-29.8	31.72	54	-22.28	-	-	-	-	175	335	V
* 3.967	40.49	PK1	33.2	-30.8	42.89	-	-	74	-31.11	-	-	175	335	V
* 3.967	28.96	AD1	33.2	-30.8	31.36	54	-22.64	-	-	-	-	175	335	V
1.737	28.96	AD1	29.4	-31.5	26.86	-	-	-	-	-	-	175	335	V
1.739	41.03	PK1	29.5	-31.5	39.03	-	-	-	-	68.2	-29.17	175	335	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

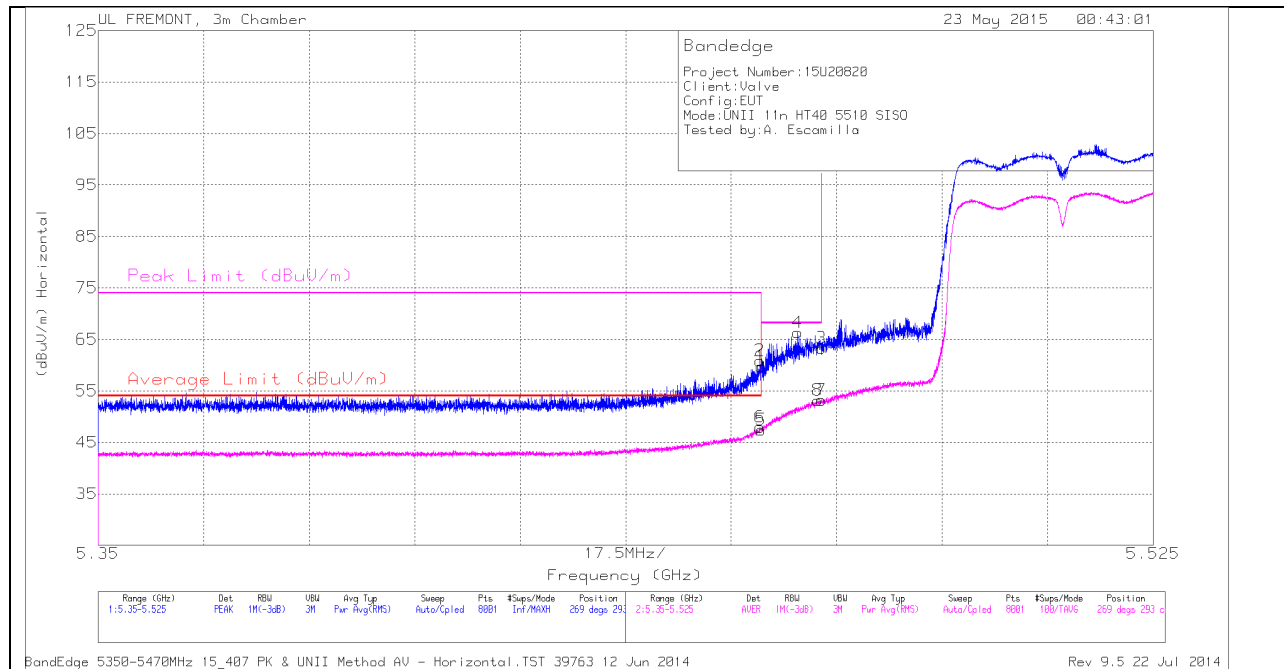
AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

# **12.3.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)**

## **HORIZONTAL PEAK AND AVERAGE PLOT**



## **HORIZONTAL DATA**

### **Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	5.46	46.56	PK	34.6	-21.4	0	59.76	-	-	74	-14.24	269	293	H
2	5.46	47.66	PK	34.6	-21.4	0	60.86	-	-	74	-13.14	269	293	H
5	5.46	34.21	RMS	34.6	-21.4	.8	47.41	54	-6.59	-	-	269	293	H
6	5.46	34.76	RMS	34.6	-21.4	.8	47.96	54	-6.04	-	-	269	293	H
4	5.466	53.02	PK	34.6	-21.3	0	66.32	-	-	68.2	-1.88	269	293	H
8	5.469	39.87	RMS	34.6	-21.3	.8	53.17	-	-	-	-	269	293	H
3	5.47	49.99	PK	34.6	-21.3	0	63.29	-	-	68.2	-4.91	269	293	H
7	5.47	39.92	RMS	34.6	-21.3	.8	53.22	-	-	-	-	269	293	H

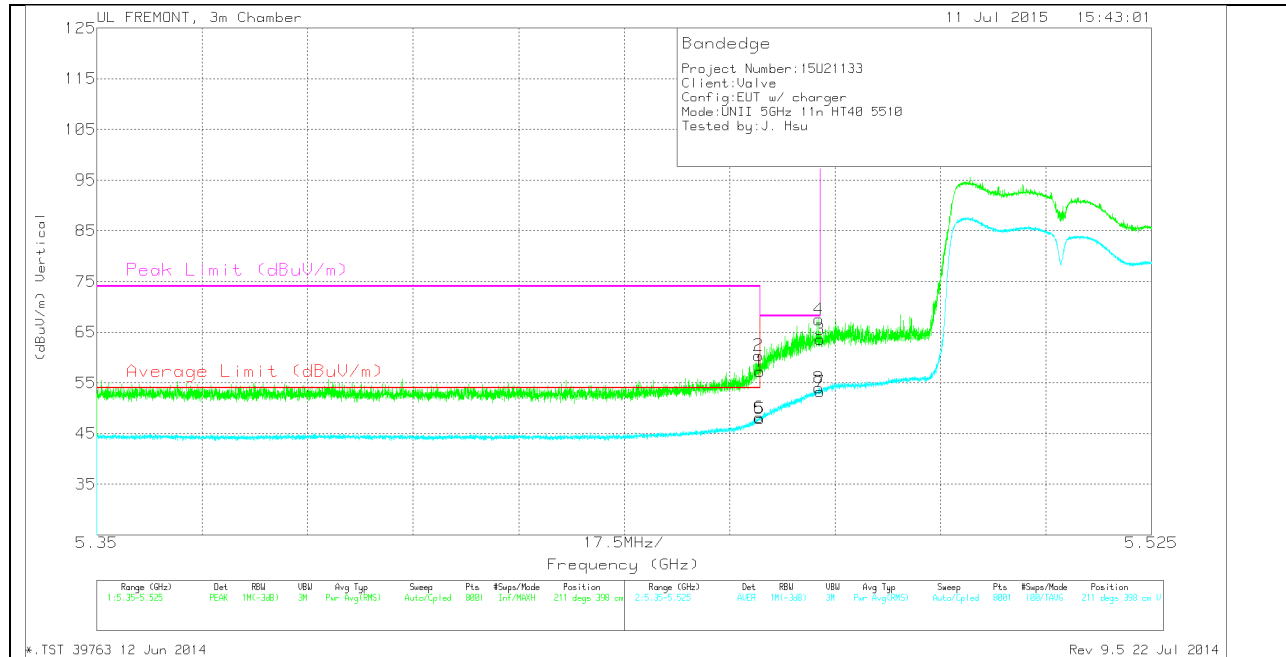
PK - Peak detector

RMS - RMS detection

BandEdge 5350-5470MHz 15\_407 PK & UNII Method AV - Horizontal.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

# VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	5.46	43.38	PK	34.6	-20.7	0	57.28	-	-	74	-16.72	211	398	V
2	5.46	46.51	PK	34.6	-20.7	0	60.41	-	-	74	-13.59	211	398	V
5	5.46	33.25	RMS	34.6	-20.7	.8	47.95	54	-6.05	-	-	211	398	V
6	5.46	33.43	RMS	34.6	-20.7	.8	48.13	54	-5.87	-	-	211	398	V
3	5.47	49.58	PK	34.6	-20.6	0	63.58	-	-	68.2	-4.62	211	398	V
4	5.47	53.49	PK	34.6	-20.6	0	67.49	-	-	68.2	-7.1	211	398	V
7	5.47	38.52	RMS	34.6	-20.6	.8	53.32	-	-	-	-	211	398	V
8	5.47	39.23	RMS	34.6	-20.6	.8	54.03	-	-	-	-	211	398	V

PK - Peak detector

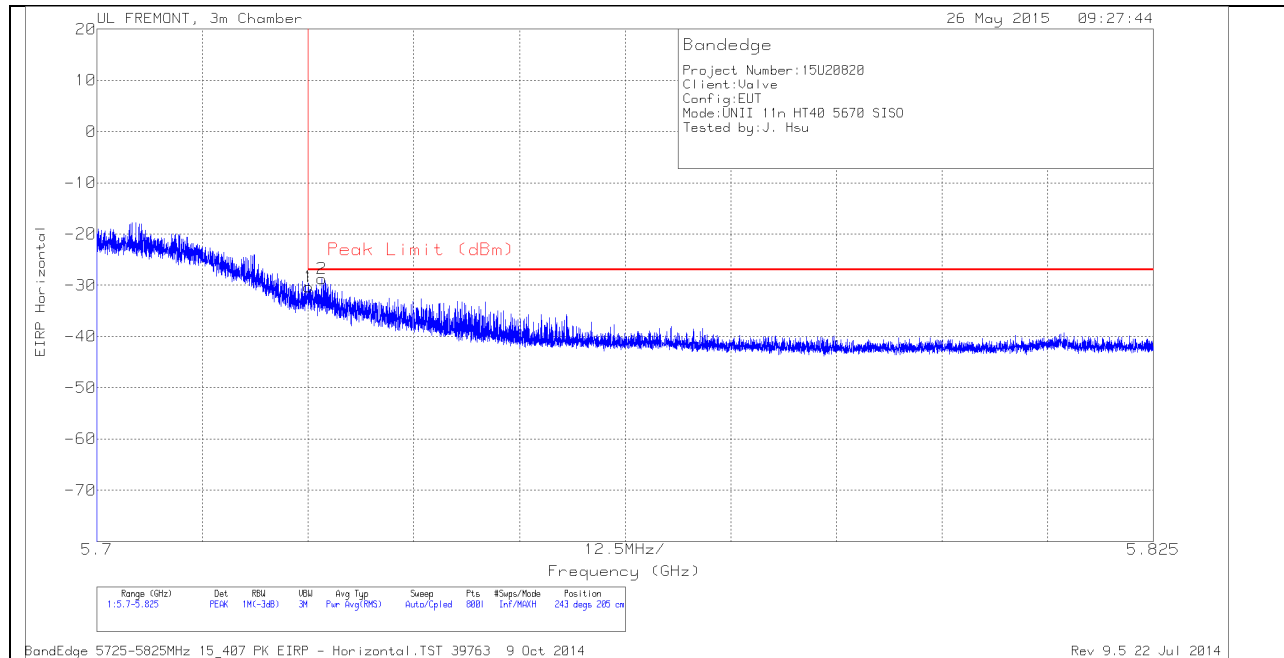
RMS - RMS detection

\*.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

## AUTHORIZED BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

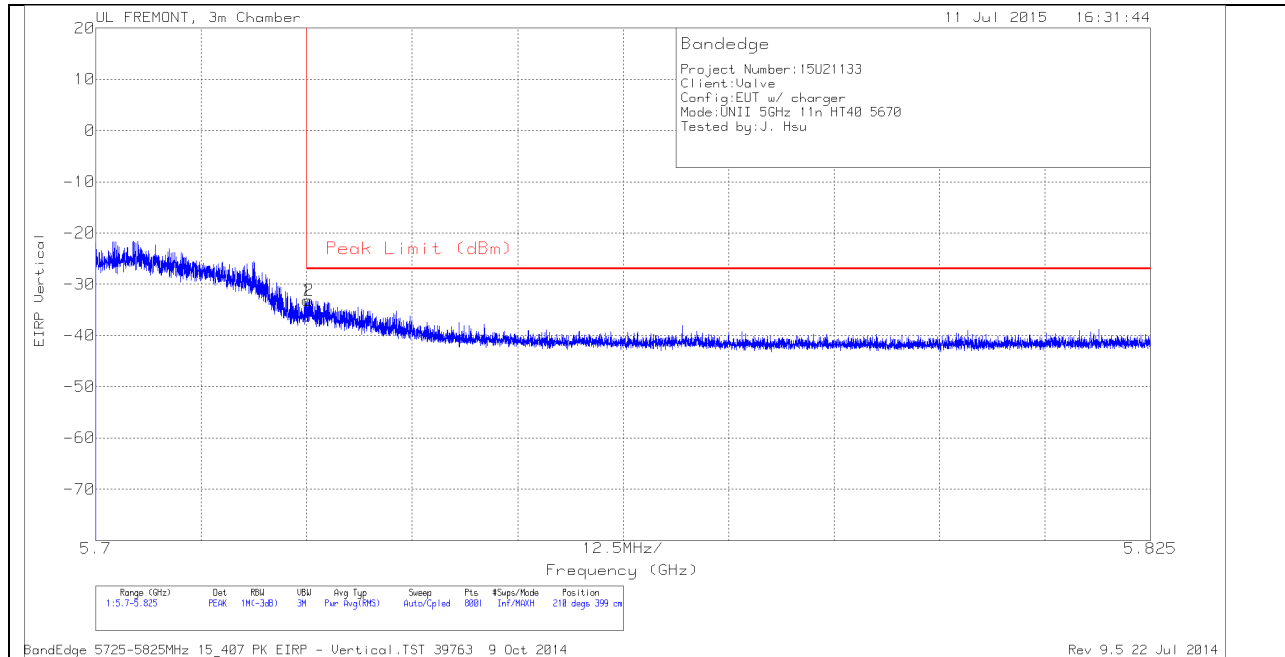
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-55.81	PK	34.8	-21.1	11.8	-30.31	-27	-3.31	243	205	H
2	5.727	-54.18	PK	34.8	-21.1	11.8	-28.68	-27	-1.68	243	205	H

PK - Peak detector

BandEdge 5725-5825MHz 15\_407 PK EIRP - Horizontal.TST 39763 9 Oct 2014

Rev 9.5 22 Jul 2014

### VERTICAL PEAK AND AVERAGE PLOT



### VERTICAL DATA

#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-59.44	PK	34.8	-20.3	11.8	-33.14	-27	-6.14	210	399	V
2	5.725	-59.41	PK	34.8	-20.3	11.8	-33.11	-27	-6.11	210	399	V

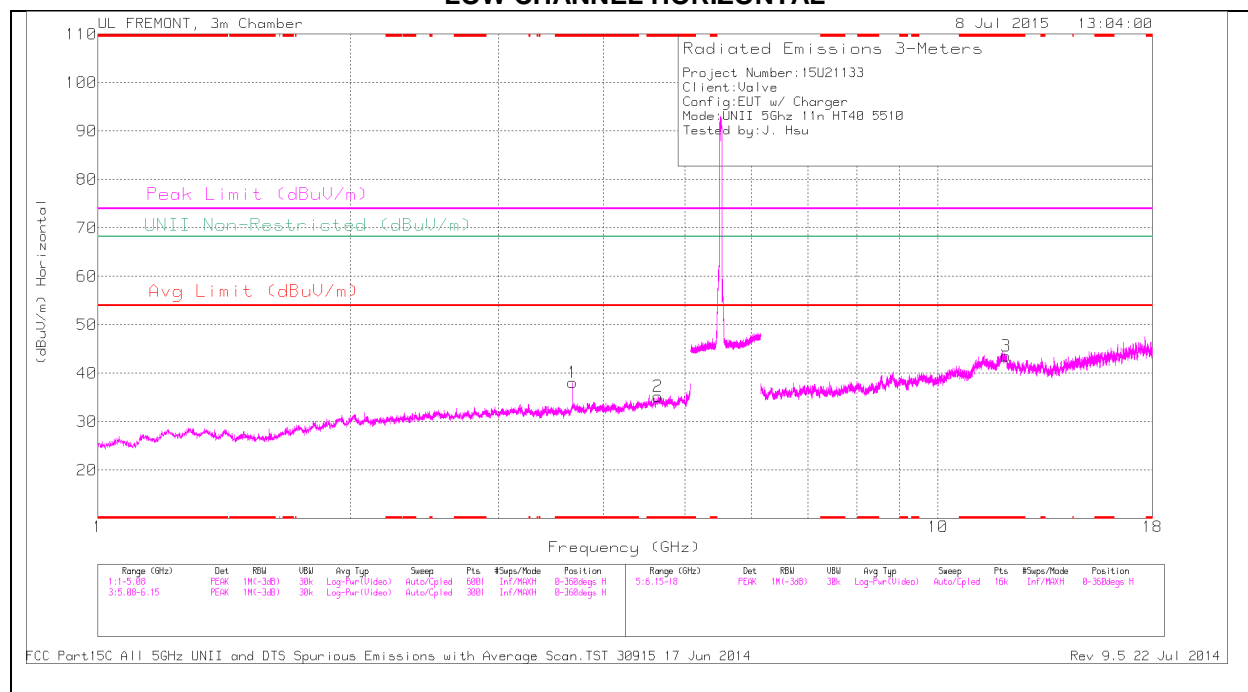
PK - Peak detector

BandEdge 5725-5825MHz 15\_407 PK EIRP - Vertical.TST 39763 9 Oct 2014

Rev 9.5 22 Jul 2014

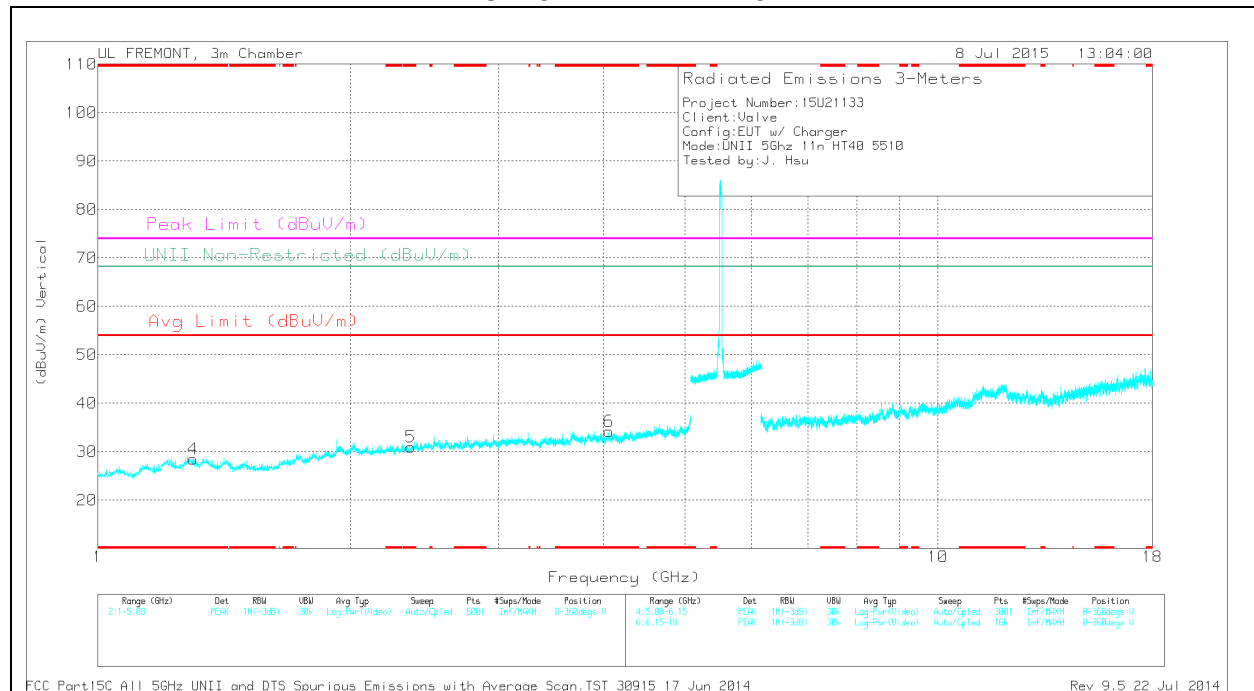
## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.674	34.84	PK	33	-29.7	0	38.14	-	-	74	-35.86	-	-	0-360	200	H
2	* 4.645	30.93	PK	33.9	-29.6	0	35.23	-	-	74	-38.77	-	-	0-360	200	H
4	* 1.298	31.55	PK	29.9	-33	0	28.45	-	-	74	-45.55	-	-	0-360	100	V
5	* 2.359	31.11	PK	31.9	-32.1	0	30.91	-	-	74	-43.09	-	-	0-360	100	V
6	* 4.057	31.11	PK	33.3	-30.2	0	34.21	-	-	74	-39.79	-	-	0-360	200	V
3	* 12.046	27.99	PK	39.1	-23.5	0	43.59	-	-	74	-30.41	-	-	0-360	100	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.674	42.35	PK1	33	-29.7	0	45.65	-	-	74	-28.35	-	-	298	179	H
* 3.673	34.67	AD1	33	-29.7	.8	38.77	54	-15.23	-	-	-	-	298	179	H
* 4.646	40.03	PK1	34	-29.6	0	44.43	-	-	74	-29.57	-	-	298	179	H
* 4.647	28.58	AD1	34	-29.6	.8	33.78	54	-20.22	-	-	-	-	298	179	H
* 1.299	40.81	PK1	29.9	-33	0	37.71	-	-	74	-36.29	-	-	298	179	V
* 1.3	29.58	AD1	29.9	-33	.8	27.28	54	-26.72	-	-	-	-	298	179	V
* 2.36	41.01	PK1	31.9	-32.1	0	40.81	-	-	74	-33.19	-	-	298	179	V
* 2.359	29.37	AD1	31.9	-32.1	.8	29.97	54	-24.03	-	-	-	-	298	179	V
* 4.056	40.56	PK1	33.3	-30.2	0	43.66	-	-	74	-30.34	-	-	298	179	V
* 4.055	28.73	AD1	33.3	-30.1	.8	32.73	54	-21.27	-	-	-	-	298	179	V
* 12.048	37.09	PK1	39.1	-23.5	0	52.69	-	-	74	-21.31	-	-	298	179	H
* 12.047	25.66	AD1	39.1	-23.5	.8	42.06	54	-11.94	-	-	-	-	298	179	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

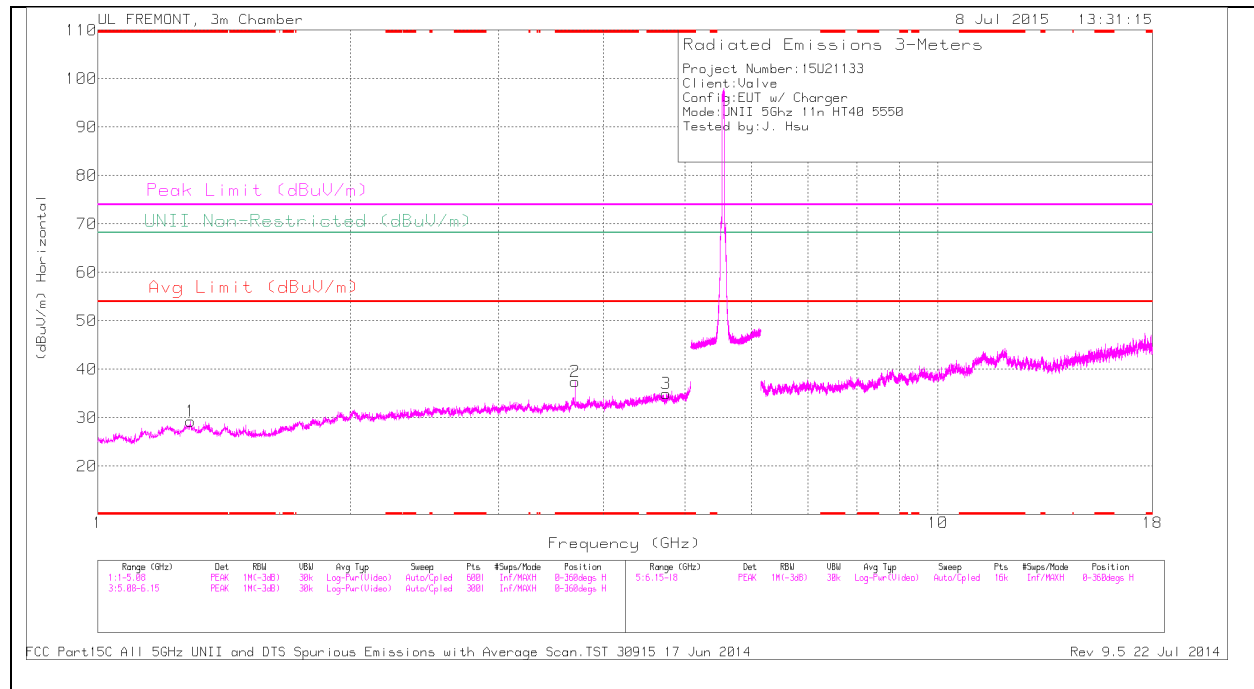
AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

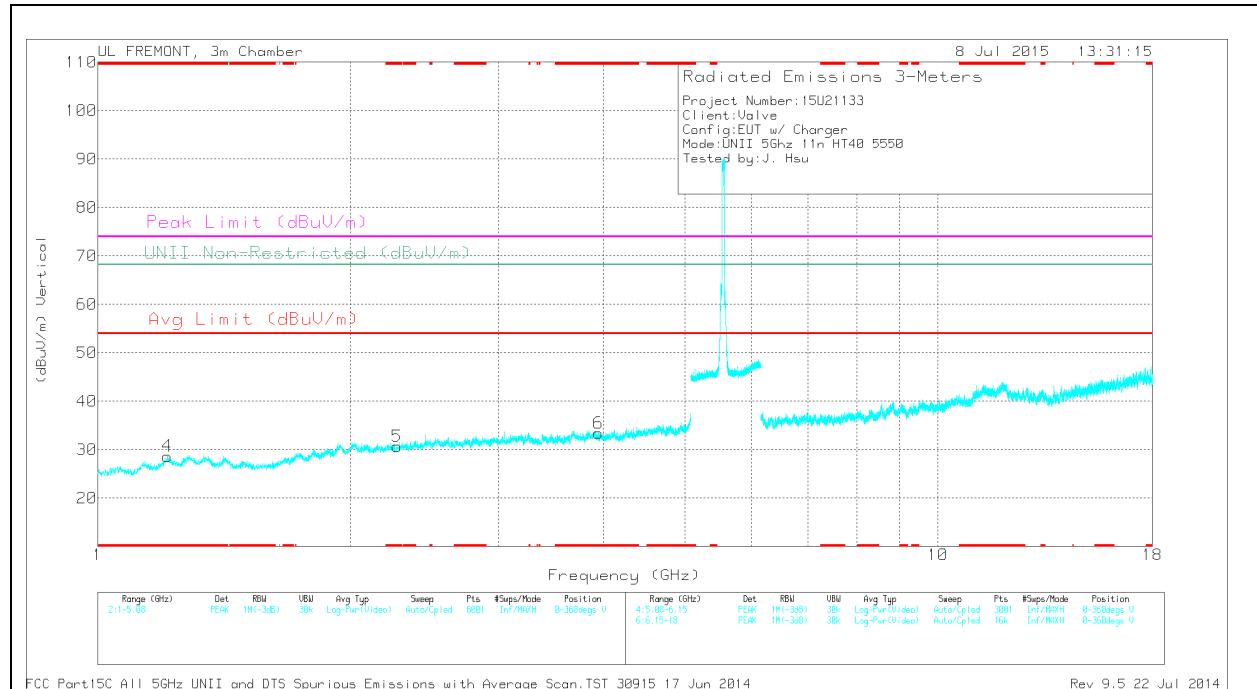


MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cb/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.289	32.42	PK	29.8	-33	0	29.22	-	-	74	-44.78	-	-	0-360	100	H
2	* 3.7	34.63	PK	33	-30.2	0	37.43	-	-	74	-36.57	-	-	0-360	100	H
3	* 4.744	30.84	PK	34	-29.9	0	34.94	-	-	74	-39.06	-	-	0-360	200	H
4	* 1.211	32.39	PK	29	-32.7	0	28.69	-	-	74	-45.31	-	-	0-360	100	V
5	* 2.27	30.62	PK	31.6	-31.5	0	30.72	-	-	74	-43.28	-	-	0-360	100	V
6	* 3.944	30.78	PK	33.2	-30.6	0	33.38	-	-	74	-40.62	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.289	40.95	PK1	29.8	-33	0	37.75	-	-	74	-36.25	-	-	360	100	H
* 1.289	29.96	AD1	29.8	-33	.8	27.56	54	-26.44	-	-	-	-	360	100	H
* 3.7	40.8	PK1	33	-30.2	0	43.6	-	-	74	-30.4	-	-	360	100	H
* 3.7	30.25	AD1	33	-30.2	.8	33.85	54	-20.15	-	-	-	-	360	100	H
* 4.745	40.17	PK1	34	-29.9	0	44.27	-	-	74	-29.73	-	-	360	100	H
* 4.743	28.65	AD1	34	-30	.8	33.45	54	-20.55	-	-	-	-	360	100	H
* 1.209	41.82	PK1	29	-32.7	0	38.12	-	-	74	-35.88	-	-	360	100	V
* 1.209	30.25	AD1	29	-32.7	.8	27.35	54	-26.65	-	-	-	-	360	100	V
* 2.271	40.82	PK1	31.6	-31.5	0	40.92	-	-	74	-33.08	-	-	360	100	V
* 2.27	29.08	AD1	31.6	-31.5	.8	29.98	54	-24.02	-	-	-	-	360	100	V
* 3.944	40.03	PK1	33.2	-30.6	0	42.63	-	-	74	-31.37	-	-	360	100	V
* 3.945	28.58	AD1	33.2	-30.7	.8	31.88	54	-22.12	-	-	-	-	360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

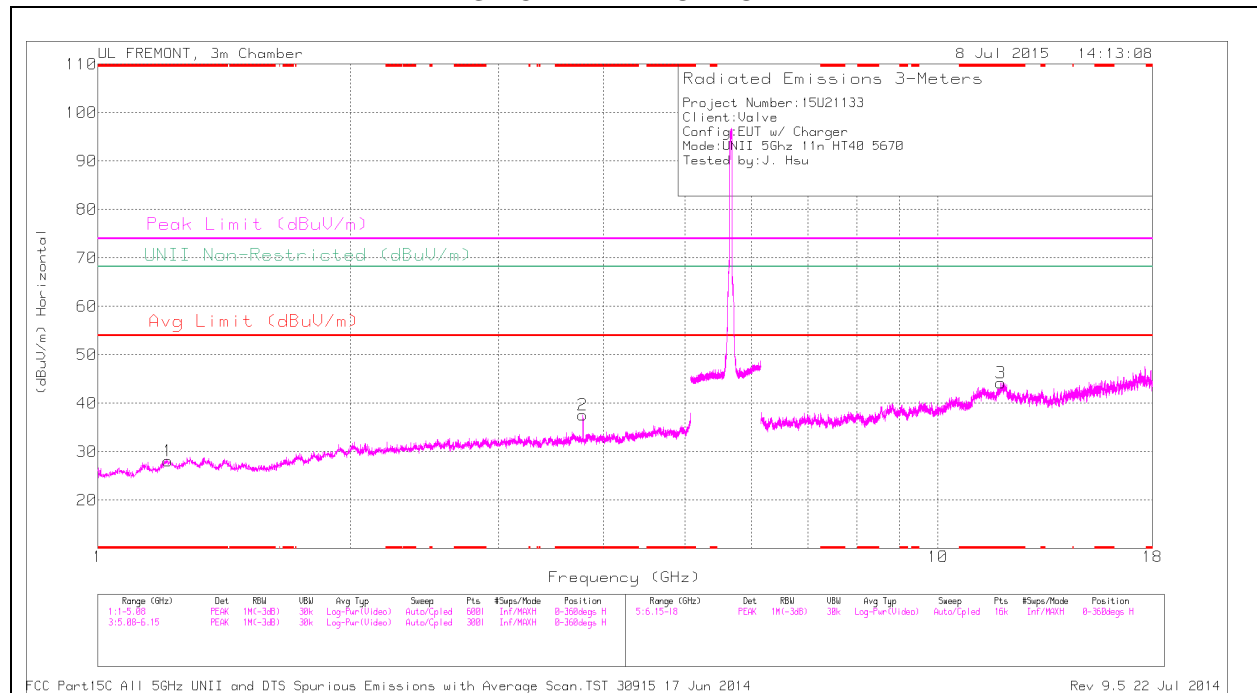
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

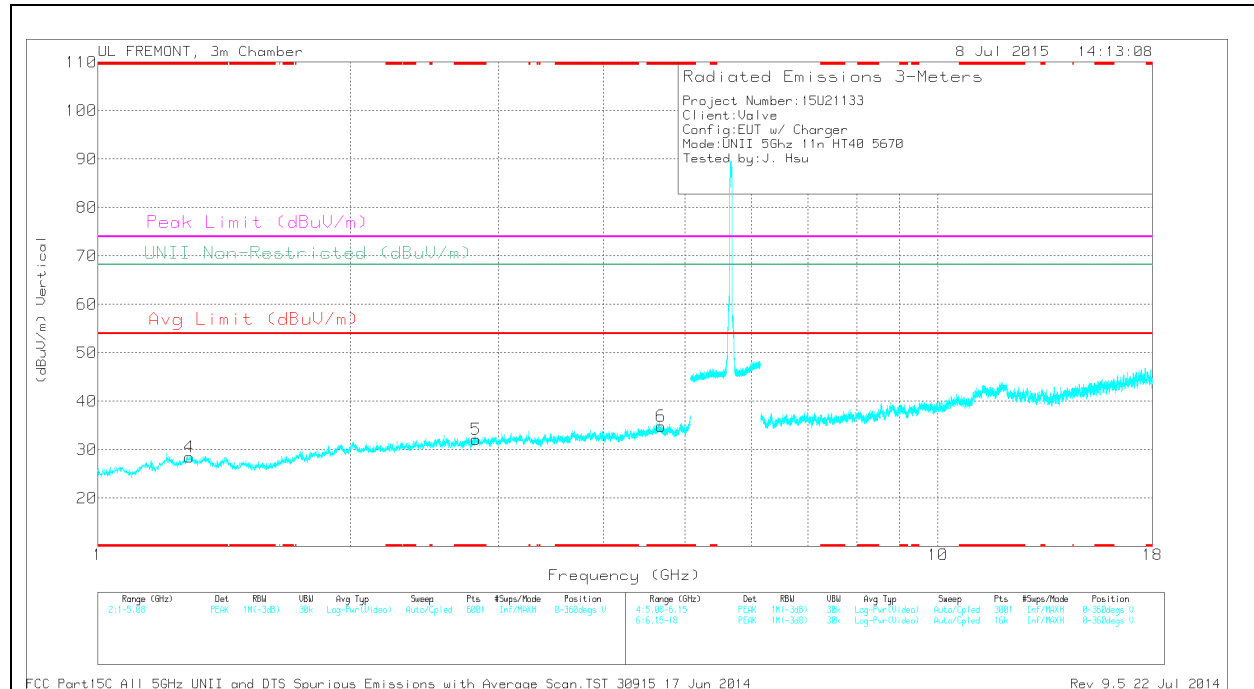
Rev 9.5 22 Jul 2014

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.211	31.85	PK	29	-32.7	0	28.15	-	-	74	-45.85	-	-	0-360	200	H
2	* 3.78	35.39	PK	33.1	-30.9	0	37.59	-	-	74	-36.41	-	-	0-360	200	H
4	* 1.284	31.77	PK	29.7	-33	0	28.47	-	-	74	-45.53	-	-	0-360	100	V
5	* 2.821	31.28	PK	32.6	-31.8	0	32.08	-	-	74	-41.92	-	-	0-360	100	V
6	* 4.685	30.6	PK	34	-29.8	0	34.8	-	-	74	-39.2	-	-	0-360	100	V
3	* 11.88	28.38	PK	39.1	-23.3	0	44.18	-	-	74	-29.82	-	-	0-360	100	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.21	41.38	PK1	29	-32.7	0	37.68	-	-	74	-36.32	-	-	360	100	H
* 1.21	30.22	AD1	29	-32.7	.8	27.32	54	-26.68	-	-	-	-	360	100	H
* 3.78	41.16	PK1	33.1	-30.9	0	43.36	-	-	74	-30.64	-	-	360	100	H
* 3.78	30.76	AD1	33.1	-30.9	.8	33.76	54	-20.24	-	-	-	-	360	100	H
* 1.285	41.41	PK1	29.7	-33	0	38.11	-	-	74	-35.89	-	-	360	100	V
* 1.282	29.97	AD1	29.7	-33	.8	27.47	54	-26.53	-	-	-	-	360	100	V
* 2.821	40.93	PK1	32.6	-31.7	0	41.83	-	-	74	-32.17	-	-	360	100	V
* 2.823	29.47	AD1	32.6	-31.8	.8	31.07	54	-22.93	-	-	-	-	360	100	V
* 4.683	39.97	PK1	34	-29.8	0	44.17	-	-	74	-29.83	-	-	360	100	V
* 4.684	28.54	AD1	34	-29.8	.8	33.54	54	-20.46	-	-	-	-	360	100	V
* 11.881	36.84	PK1	39.1	-23.3	0	52.64	-	-	74	-21.36	-	-	360	100	H
* 11.88	25.42	AD1	39.1	-23.3	.8	42.02	54	-11.98	-	-	-	-	360	100	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

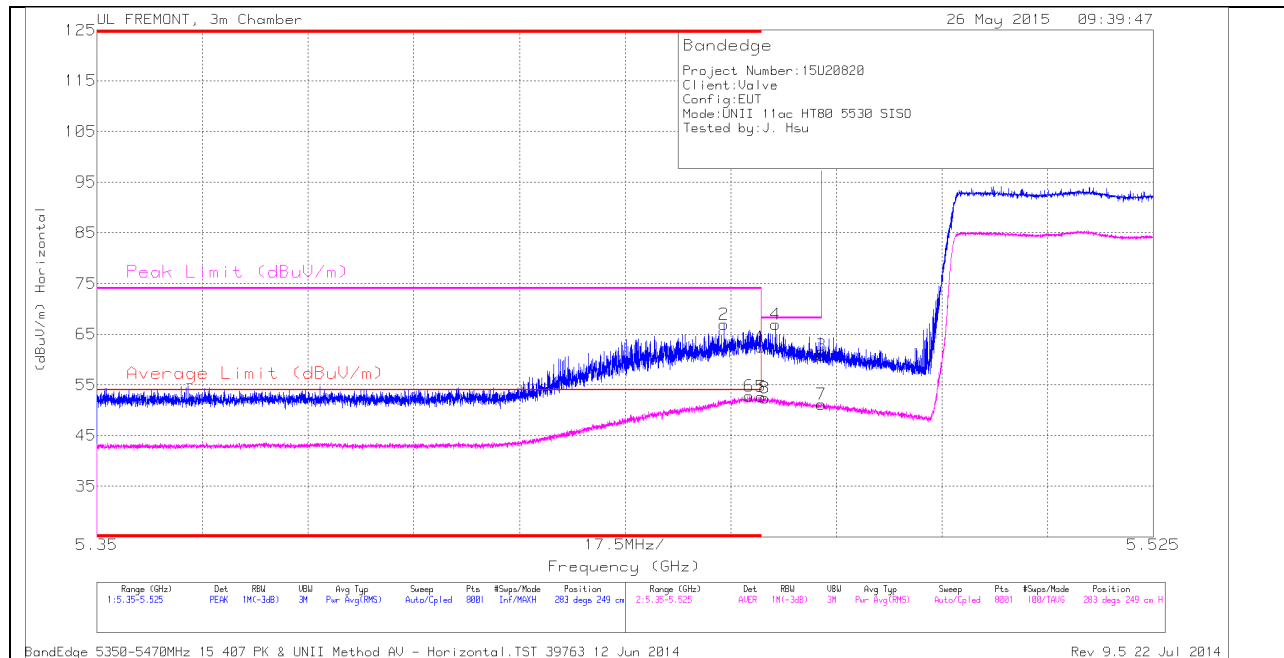
AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

# **12.3.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)**

## **HORIZONTAL PEAK AND AVERAGE PLOT**



## **HORIZONTAL DATA**

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 5.46	49.28	PK	34.6	-21.4	0	62.48	-	-	74	-11.52	283	249	H
2	* 5.454	53.72	PK	34.6	-21.4	0	66.92	-	-	74	-7.08	283	249	H
5	* 5.46	39.49	RMS	34.6	-21.4	1.02	52.69	54	-1.31	-	-	283	249	H
6	* 5.458	39.54	RMS	34.6	-21.4	1.02	52.74	54	-1.26	-	-	283	249	H
8	5.461	39.23	RMS	34.6	-21.4	1.02	52.43	-	-	-	-	283	249	H
4	5.462	53.71	PK	34.6	-21.4	0	66.91	-	-	68.2	-1.29	283	249	H
3	5.47	47.51	PK	34.6	-21.3	0	60.81	-	-	68.2	-7.39	283	249	H
7	5.47	37.87	RMS	34.6	-21.3	1.02	51.17	-	-	-	-	283	249	H

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

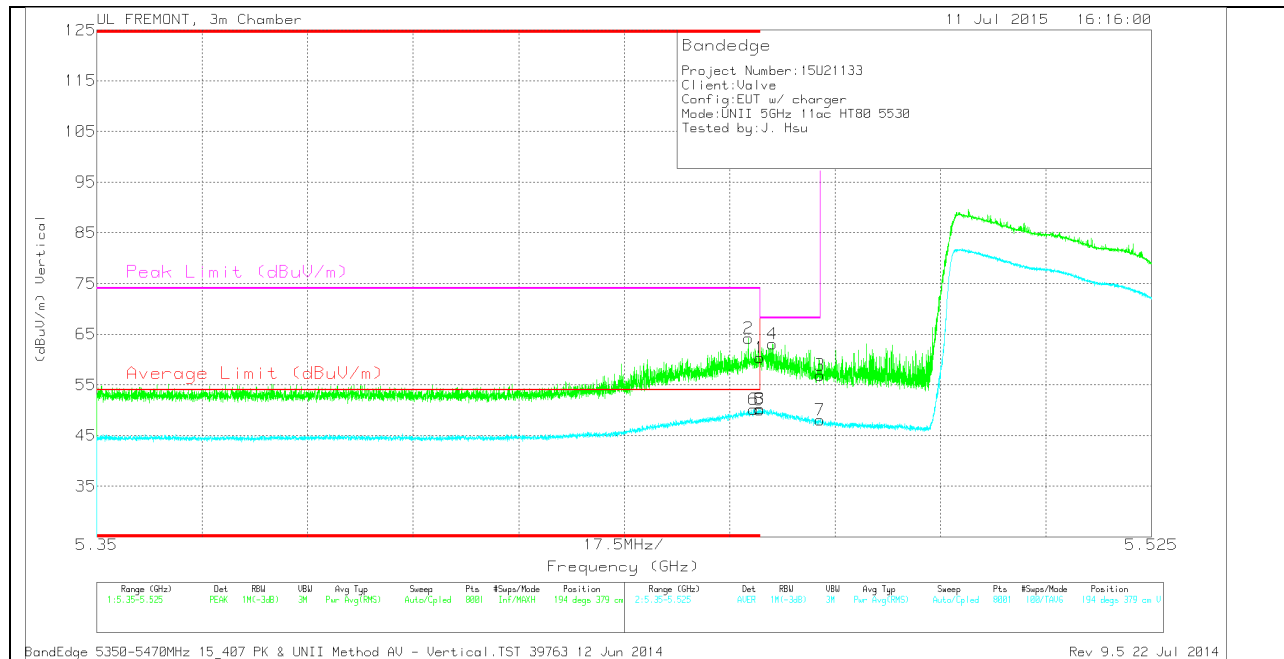
PK - Peak detector

RMS - RMS detection

BandEdge 5350-5470MHz 15\_407 PK & UNII Method AV - Horizontal.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 5.46	46.49	PK	34.6	-20.7	0	60.39	-	-	74	-13.61	194	379	V
2	* 5.458	50.21	PK	34.6	-20.6	0	64.21	-	-	74	-9.79	194	379	V
5	* 5.46	35.12	RMS	34.6	-20.7	1.02	50.04	54	-3.96	-	-	194	379	V
6	* 5.459	35.22	RMS	34.6	-20.7	1.02	50.14	54	-3.86	-	-	194	379	V
8	5.46	35.39	RMS	34.6	-20.7	1.02	50.31	-	-	-	-	194	379	V
4	5.462	49.19	PK	34.6	-20.7	0	63.09	-	-	68.2	-5.11	194	379	V
3	5.47	42.93	PK	34.6	-20.6	0	56.93	-	-	68.2	-11.27	194	379	V
7	5.47	33	RMS	34.6	-20.6	1.02	48.02	-	-	-	-	194	379	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

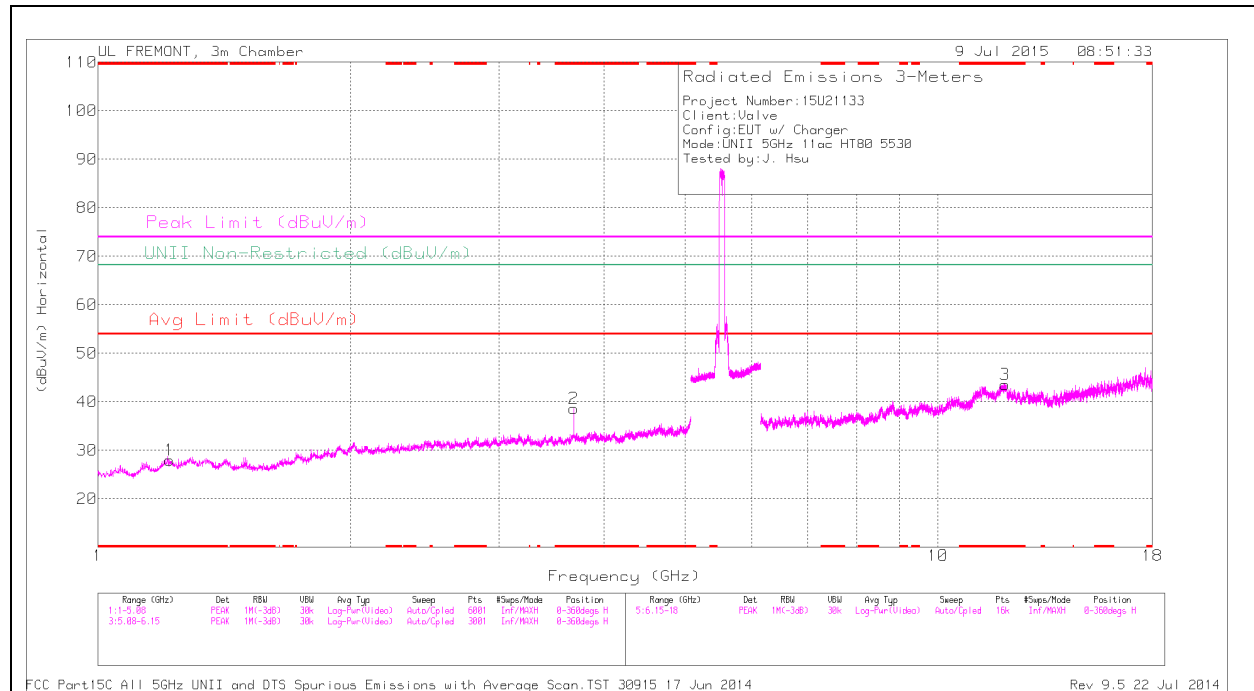
BandEdge 5350-5470MHz 15\_407 PK & UNII Method AV - Vertical.TST 39763 12 Jun 2014

Rev 9.5 22 Jul 2014



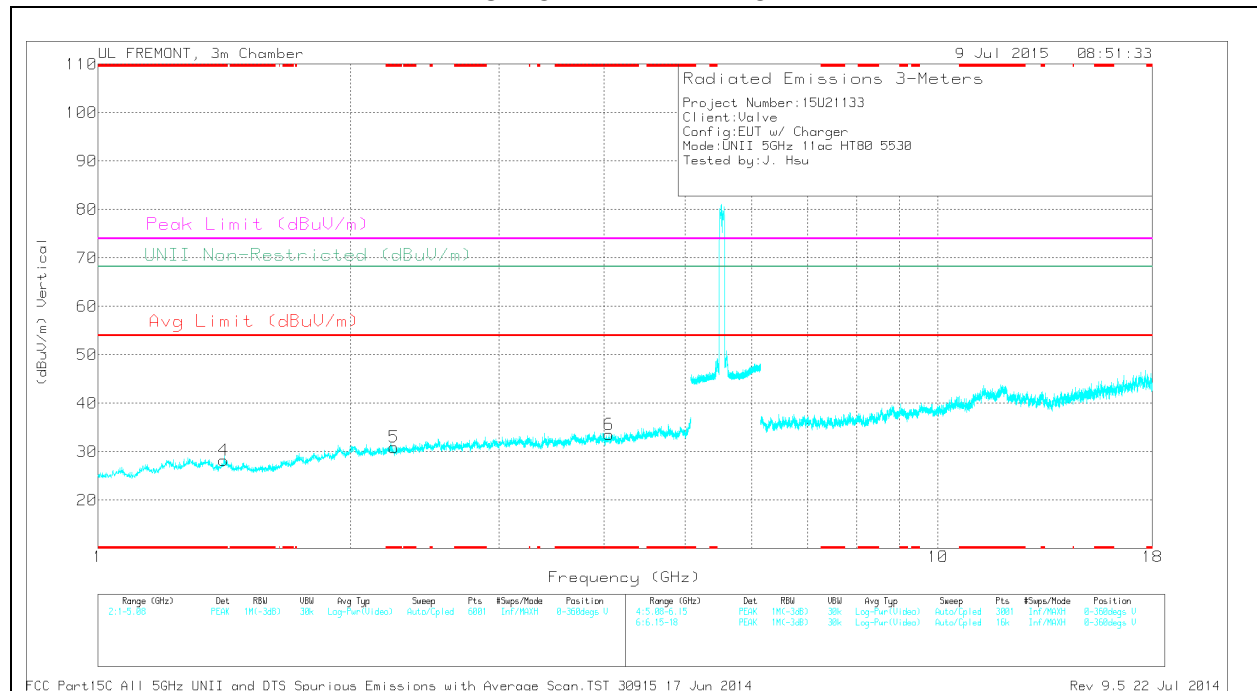
## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.217	31.55	PK	29.1	-32.7	0	27.95	-	-	74	-46.05	-	-	0-360	200	H
2	* 3.687	35.54	PK	33	-29.9	0	38.64	-	-	74	-35.36	-	-	0-360	100	H
4	* 1.411	31.74	PK	28.6	-32.1	0	28.24	-	-	74	-45.76	-	-	0-360	200	V
5	* 2.251	31	PK	31.5	-31.6	0	30.9	-	-	74	-43.1	-	-	0-360	200	V
6	* 4.056	30.4	PK	33.3	-30.2	0	33.5	-	-	74	-40.5	-	-	0-360	200	V
3	* 12.015	28	PK	39.1	-23.5	0	43.6	-	-	74	-30.4	-	-	0-360	100	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.218	41.87	PK1	29.1	-32.7	0	38.27	-	-	74	-35.73	-	-	0	100	H
* 1.218	29.88	AD1	29.1	-32.7	1.02	27.3	54	-26.7	-	-	-	-	0	100	H
* 3.686	41.61	PK1	33	-29.9	0	44.71	-	-	74	-29.29	-	-	0	100	H
* 3.687	31.27	AD1	33	-29.9	1.02	35.39	54	-18.61	-	-	-	-	0	100	H
* 1.411	41.2	PK1	28.6	-32.1	0	37.7	-	-	74	-36.3	-	-	0	100	V
* 1.413	29.79	AD1	28.6	-32.1	1.02	27.31	54	-26.69	-	-	-	-	0	100	V
* 2.25	40.92	PK1	31.5	-31.7	0	40.72	-	-	74	-33.28	-	-	0	100	V
* 2.251	29.01	AD1	31.5	-31.6	1.02	29.93	54	-24.07	-	-	-	-	0	100	V
* 4.056	40.14	PK1	33.3	-30.2	0	43.24	-	-	74	-30.76	-	-	0	100	V
* 4.056	28.82	AD1	33.3	-30.1	1.02	33.04	54	-20.96	-	-	-	-	0	100	V
* 12.016	36.64	PK1	39.1	-23.6	0	52.14	-	-	74	-21.86	-	-	0	100	H
* 12.016	25.29	AD1	39.1	-23.6	1.02	41.81	54	-12.19	-	-	-	-	0	100	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

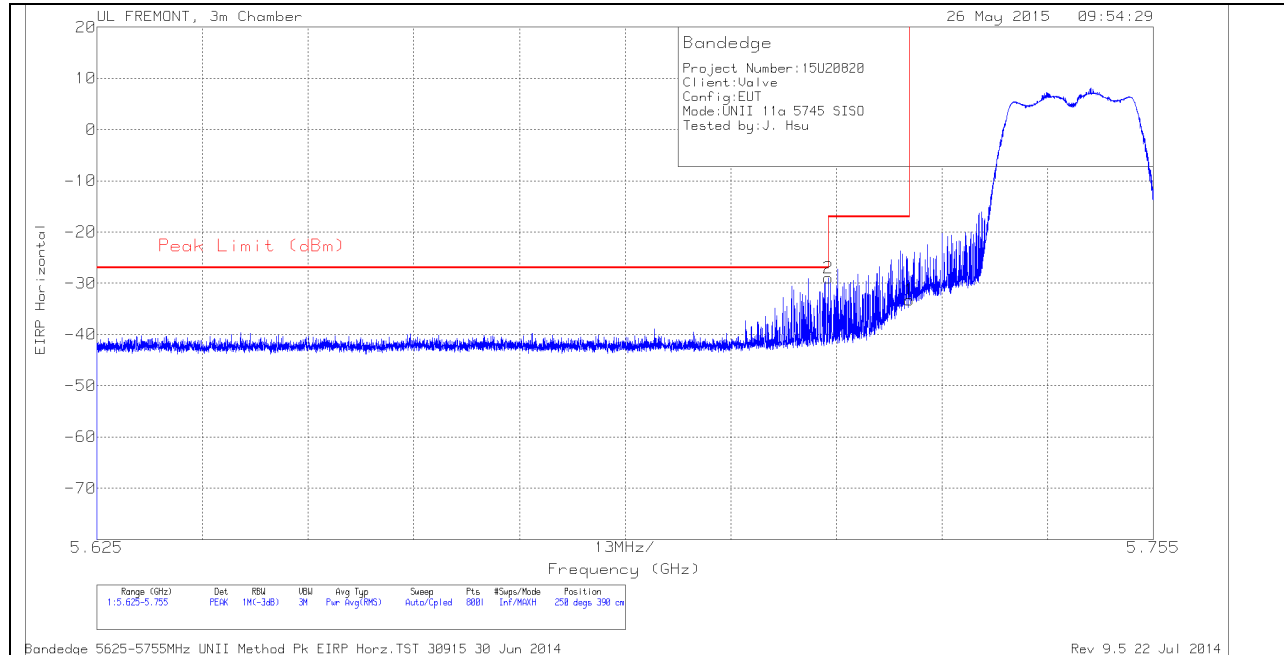
FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

## 12.4. 5.8 GHz

### 12.4.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

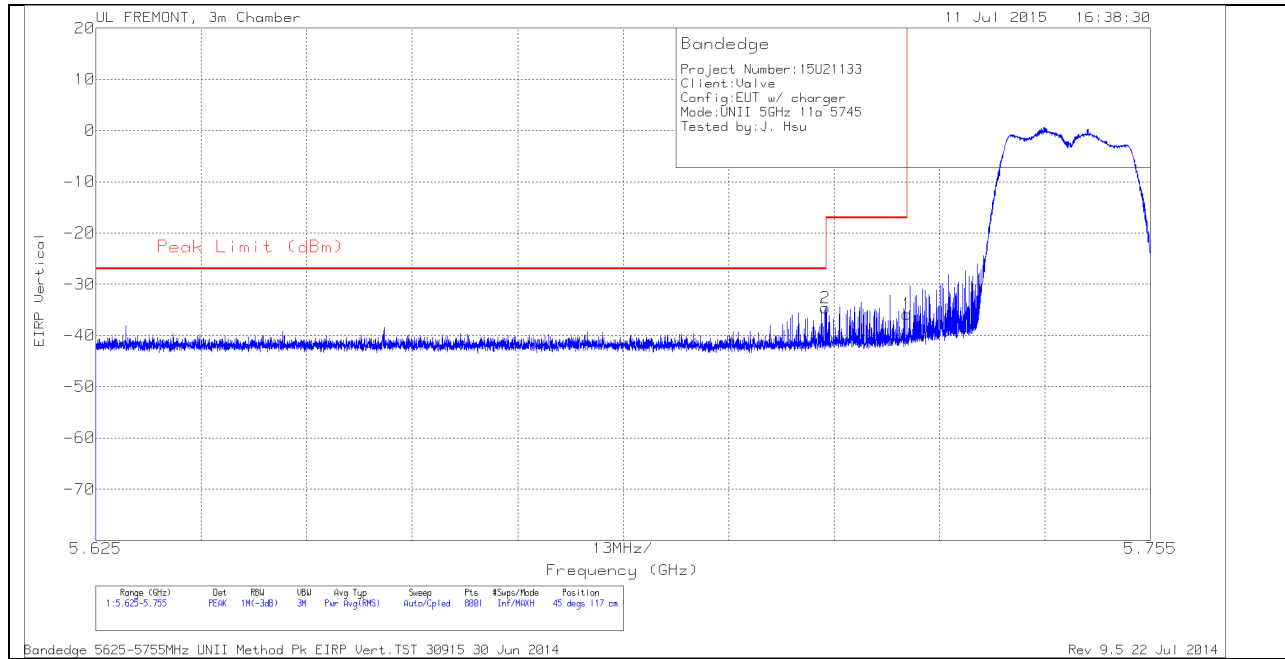
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.715	-54.52	PK	34.8	-21.1	11.8	-29.02	-27	-2.02	250	390	H
1	5.725	-58.82	PK	34.8	-21.1	11.8	-33.32	-17	-16.32	250	390	H

PK - Peak detector

Bandedge 5625-5755MHz UNII Method Pk EIRP Horiz.TST 30915 30 Jun 2014

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# VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.715	-60.87	PK	34.8	-20.3	11.8	-34.57	-27	-7.57	45	117	V
1	5.725	-62.09	PK	34.8	-20.3	11.8	-35.79	-17	-18.79	45	117	V

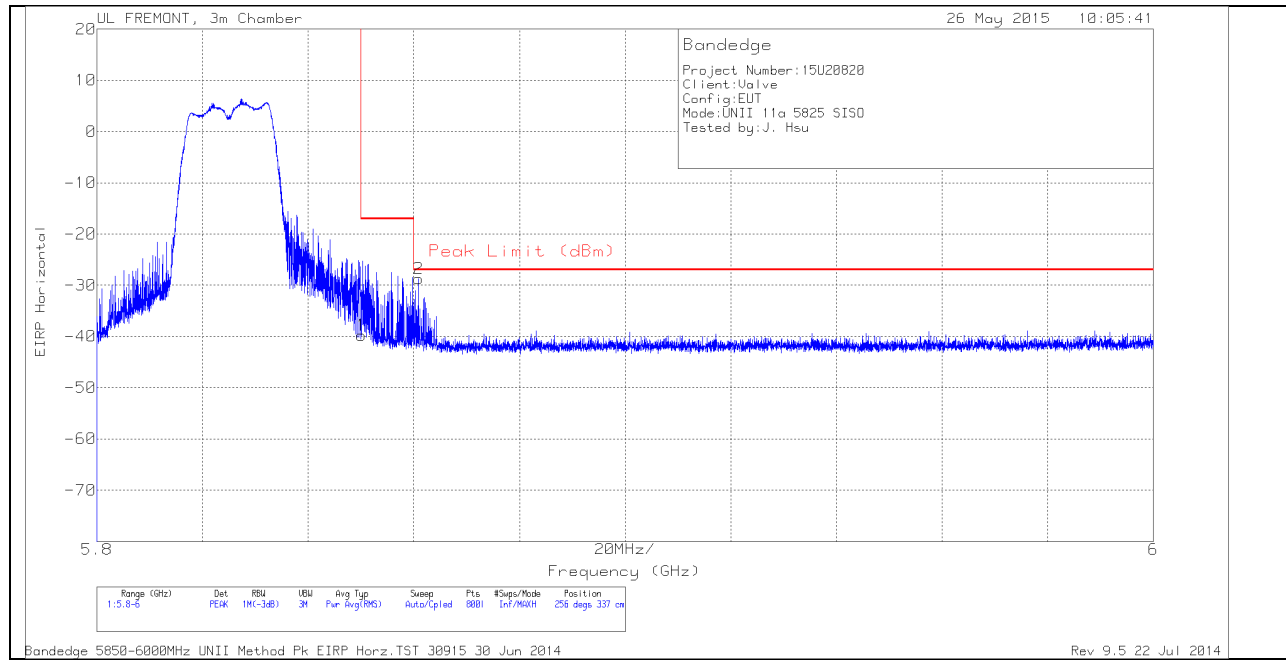
PK - Peak detector

Bandedge 5625-5755MHz UNII Method Pk EIRP Vert. TST 30915 30 Jun 2014

Rev 9.5 22 Jul 2014

## AUTHORIZED BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

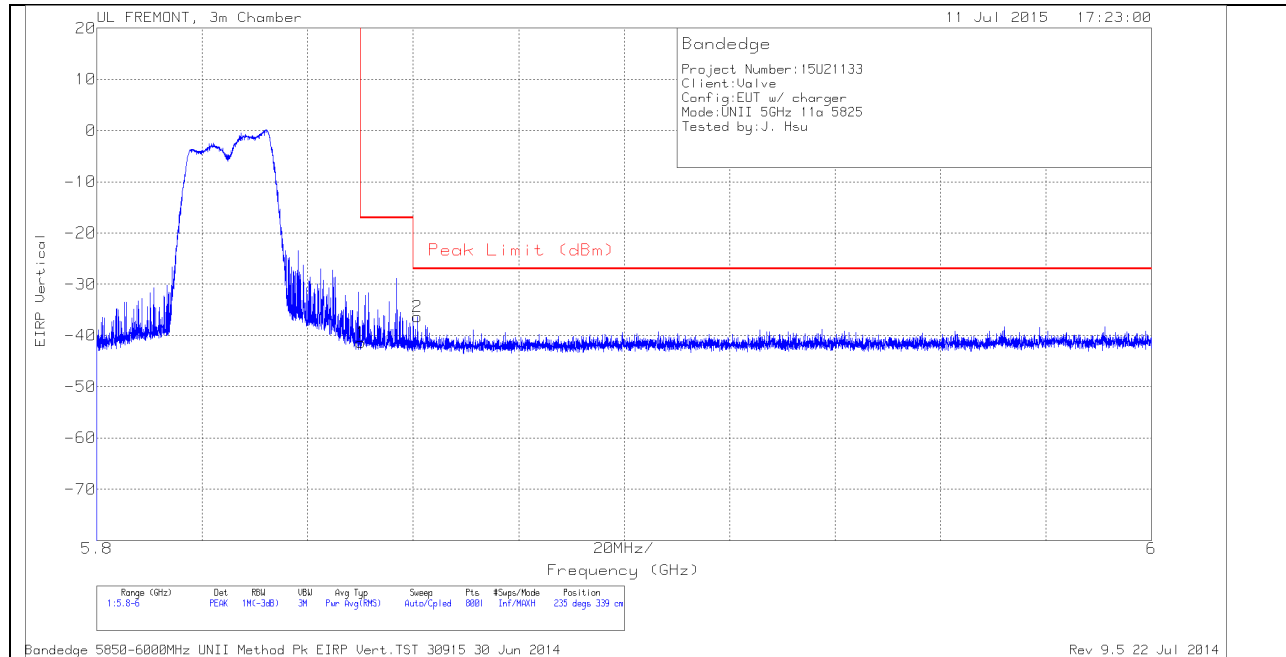
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.15	PK	34.9	-21.3	11.8	-39.75	-17	-22.75	256	337	H
2	5.861	-54.14	PK	34.9	-21.3	11.8	-28.74	-27	-1.74	256	337	H

PK - Peak detector

Bandedge 5850-6000MHz UNII Method Pk EIRP Horiz.TST 30915 30 Jun 2014

Rev 9.5 22 Jul 2014

### VERTICAL PEAK AND AVERAGE PLOT



### VERTICAL DATA

#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.52	PK	34.9	-20.6	11.8	-41.42	-17	-24.42	235	339	V
2	5.861	-62.53	PK	34.9	-20.5	11.8	-36.33	-27	-9.33	235	339	V

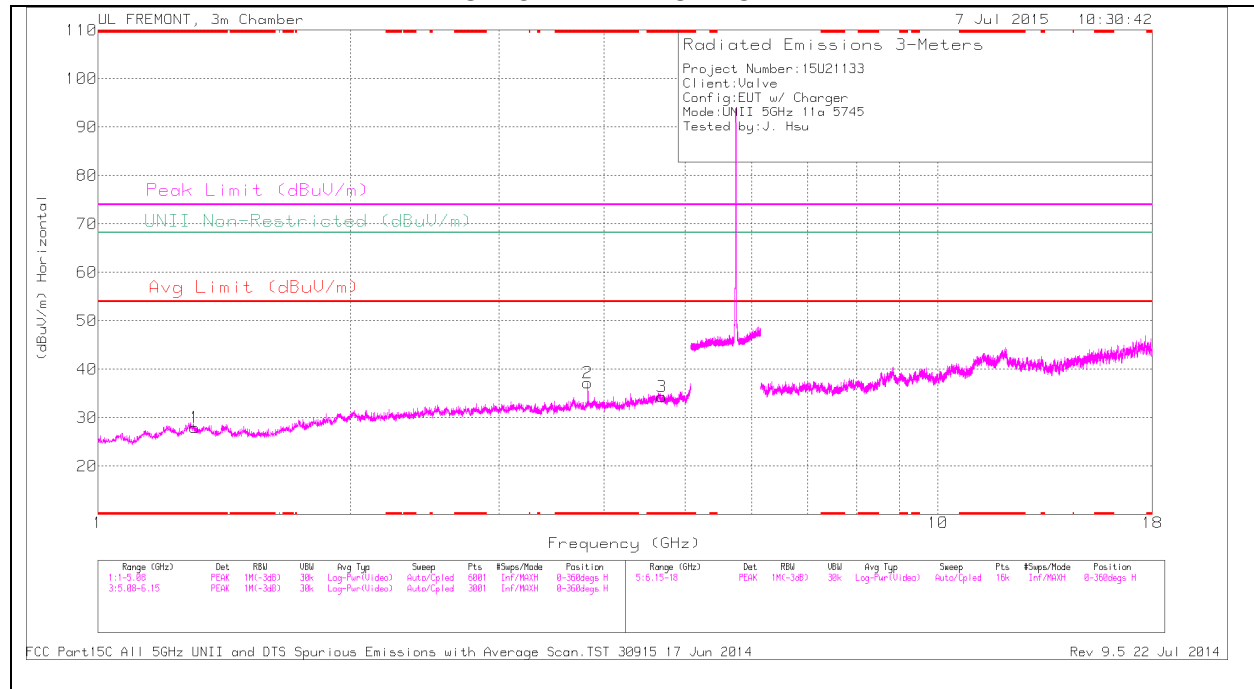
PK - Peak detector

Bandedge 5850-6000MHz UNII Method Pk EIRP Vert. TST 30915 30 Jun 2014

Rev 9.5 22 Jul 2014

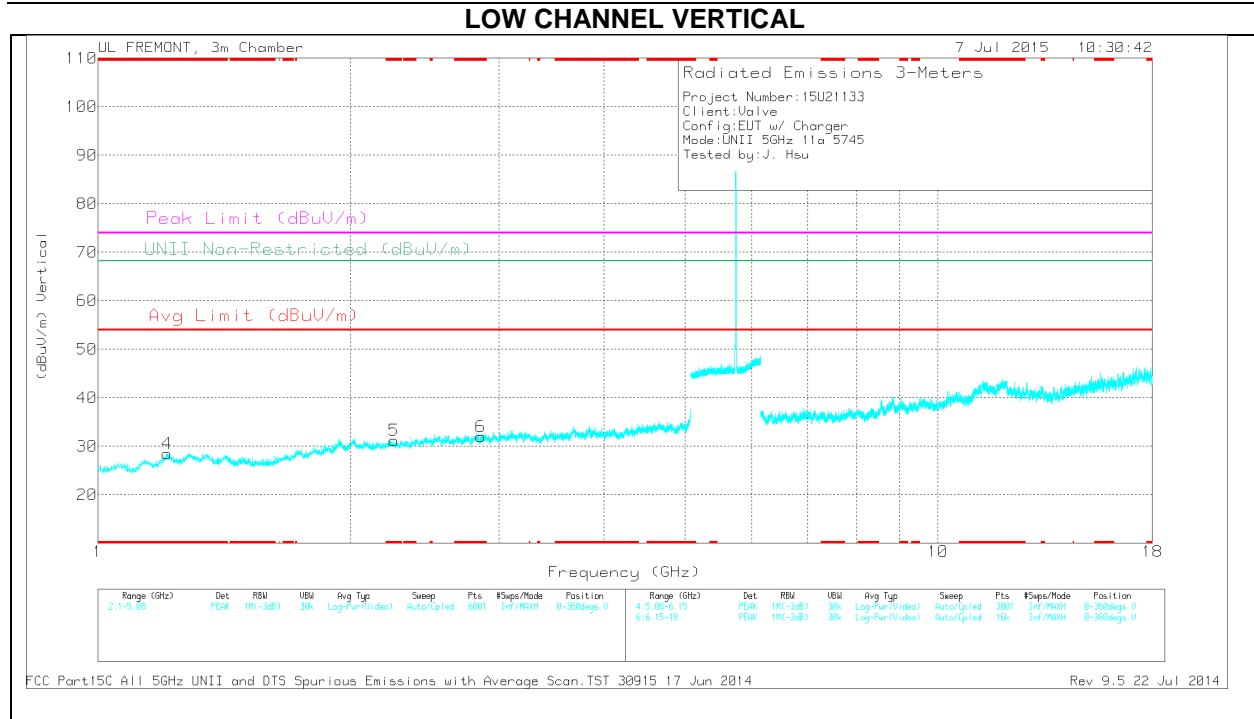
## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.





Note: Emission was scanned up to 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.303	31.1	PK	29.9	-33	0	28	-	-	74	-46	-	-	0-360	100	H
2	* 3.83	34.41	PK	33.1	-30.3	0	37.21	-	-	74	-36.79	-	-	0-360	100	H
3	* 4.694	30.27	PK	34	-29.9	0	34.37	-	-	74	-39.63	-	-	0-360	100	H
4	* 1.209	32.2	PK	29	-32.7	0	28.5	-	-	74	-45.5	-	-	0-360	100	V
5	* 2.251	31.41	PK	31.5	-31.7	0	31.21	-	-	74	-42.79	-	-	0-360	200	V
6	* 2.856	30.98	PK	32.6	-31.6	0	31.98	-	-	74	-42.02	-	-	0-360	200	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.303	40.76	PK1	29.9	-33	0	37.66	-	-	74	-36.34	-	-	360	100	H
* 1.301	29.27	AD1	29.9	-33	.11	26.28	54	-27.72	-	-	-	-	360	100	H
* 3.83	42.33	PK1	33.1	-30.3	0	45.13	-	-	74	-28.87	-	-	306	162	H
* 3.83	33.13	AD1	33.1	-30.3	.11	36.04	54	-17.96	-	-	-	-	306	162	H
* 4.695	39.94	PK1	34	-29.9	0	44.04	-	-	74	-29.96	-	-	306	162	H
* 4.693	28.46	AD1	34	-29.9	.11	32.67	54	-21.33	-	-	-	-	306	162	H
* 1.209	42.07	PK1	29	-32.7	0	38.37	-	-	74	-35.63	-	-	306	162	V
* 1.21	30.22	AD1	29	-32.7	.11	26.63	54	-27.37	-	-	-	-	306	162	V
* 2.251	40.65	PK1	31.5	-31.6	0	40.55	-	-	74	-33.45	-	-	306	162	V
* 2.249	28.99	AD1	31.5	-31.7	.11	28.9	54	-25.1	-	-	-	-	306	162	V
* 2.856	40.61	PK1	32.6	-31.6	0	41.61	-	-	74	-32.39	-	-	306	162	V
* 2.855	28.89	AD1	32.6	-31.6	.11	30	54	-24	-	-	-	-	306	162	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

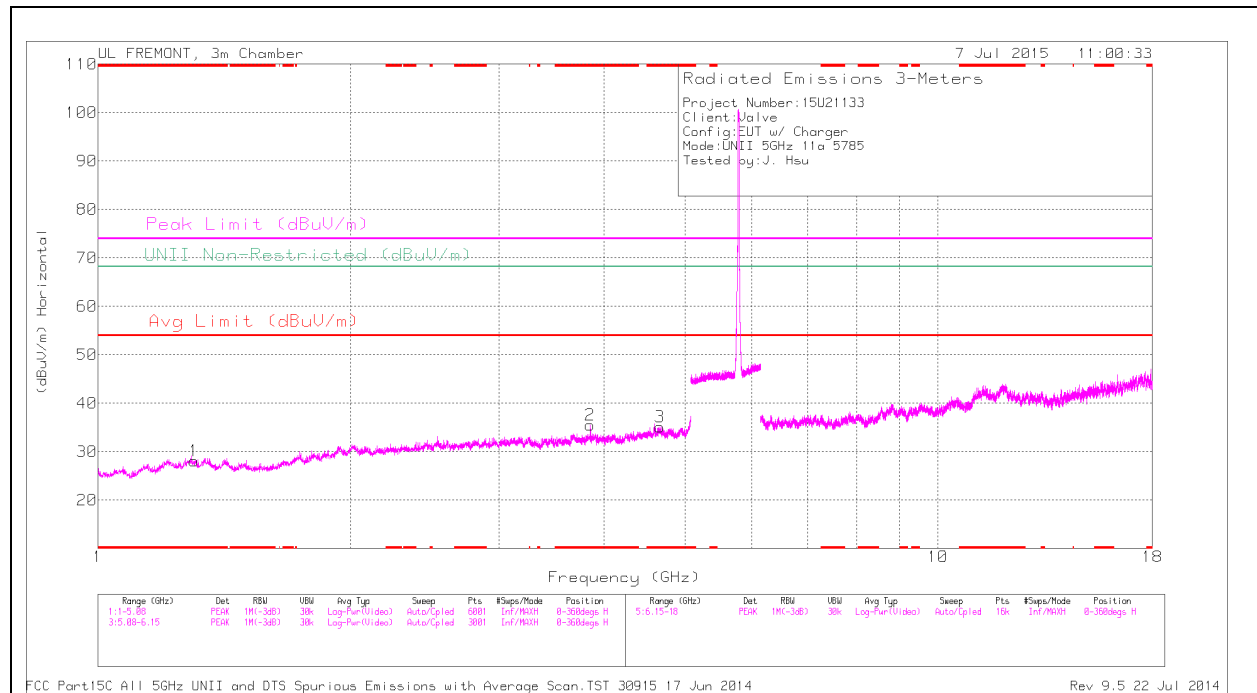
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

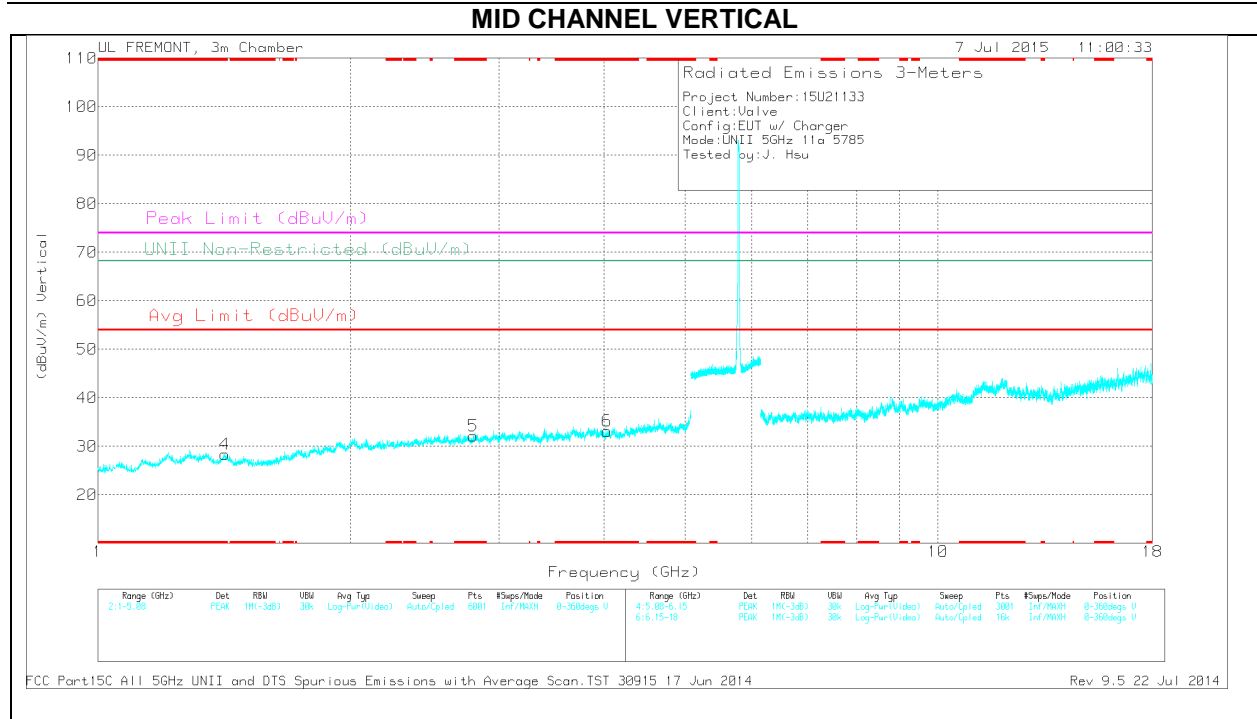
FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; 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 T119 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.301	31.26	PK	29.9	-33	0	28.16	-	-	74	-45.84	-	-	0-360	200	H
2	* 3.857	32.66	PK	33.1	-30.2	0	35.56	-	-	74	-38.44	-	-	0-360	200	H
3	* 4.663	30.7	PK	34	-29.6	0	35.1	-	-	74	-38.9	-	-	0-360	100	H
4	* 1.416	31.99	PK	28.5	-32.1	0	28.39	-	-	74	-45.61	-	-	0-360	100	V
5	* 2.797	31.16	PK	32.6	-31.6	0	32.16	-	-	74	-41.84	-	-	0-360	100	V
6	* 4.04	30.31	PK	33.2	-30.4	0	33.11	-	-	74	-40.89	-	-	0-360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.3	40.96	PK1	29.9	-33	0	37.86	-	-	74	-36.14	-	-	360	100	H
* 1.3	29.43	AD1	29.9	-33	.11	26.44	54	-27.56	-	-	-	-	360	100	H
* 3.856	40.35	PK1	33.1	-30.1	0	43.35	-	-	74	-30.65	-	-	360	100	H
* 3.857	29.46	AD1	33.1	-30.2	.11	32.47	54	-21.53	-	-	-	-	360	100	H
* 4.664	40.63	PK1	34	-29.6	0	45.03	-	-	74	-28.97	-	-	360	100	H
* 4.663	28.61	AD1	34	-29.6	.11	33.12	54	-20.88	-	-	-	-	360	100	H
* 1.417	41.69	PK1	28.5	-32.1	0	38.09	-	-	74	-35.91	-	-	360	100	V
* 1.416	29.99	AD1	28.5	-32.1	.11	26.5	54	-27.5	-	-	-	-	360	100	V
* 2.798	40.79	PK1	32.6	-31.6	0	41.79	-	-	74	-32.21	-	-	360	100	V
* 2.798	29.3	AD1	32.6	-31.6	.11	30.41	54	-23.59	-	-	-	-	360	100	V
* 4.041	40.64	PK1	33.2	-30.4	0	43.44	-	-	74	-30.56	-	-	360	100	V
* 4.038	28.78	AD1	33.2	-30.5	.11	31.59	54	-22.41	-	-	-	-	360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

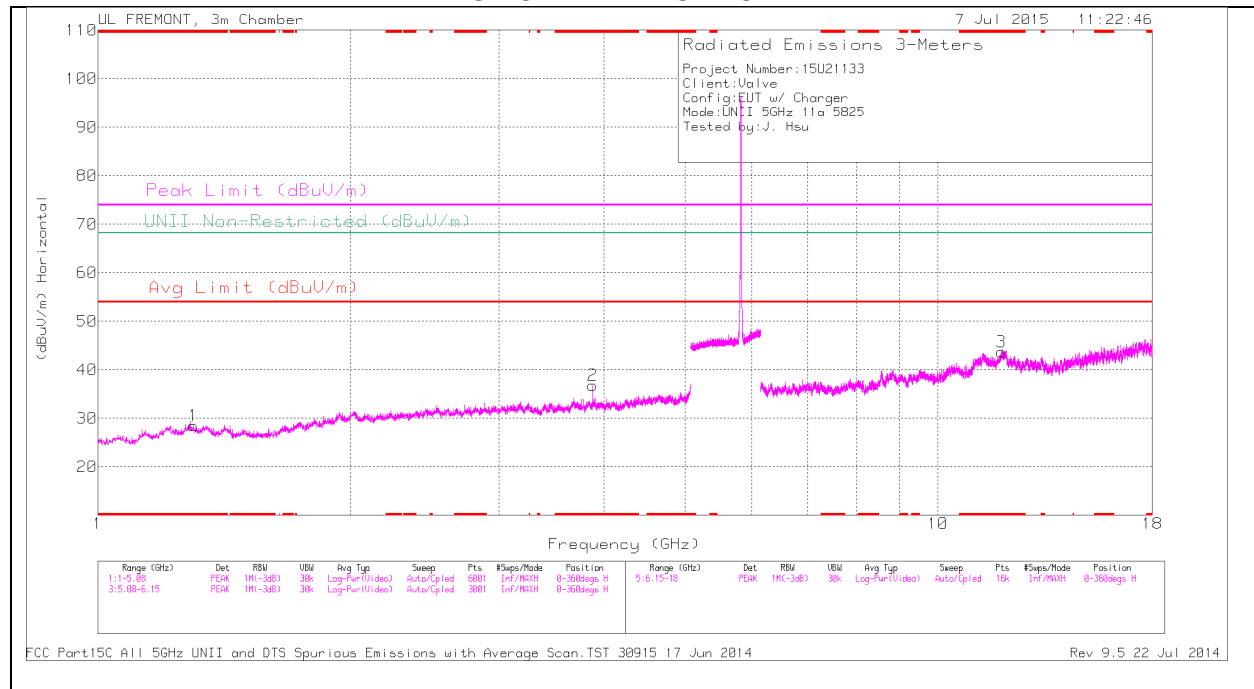
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

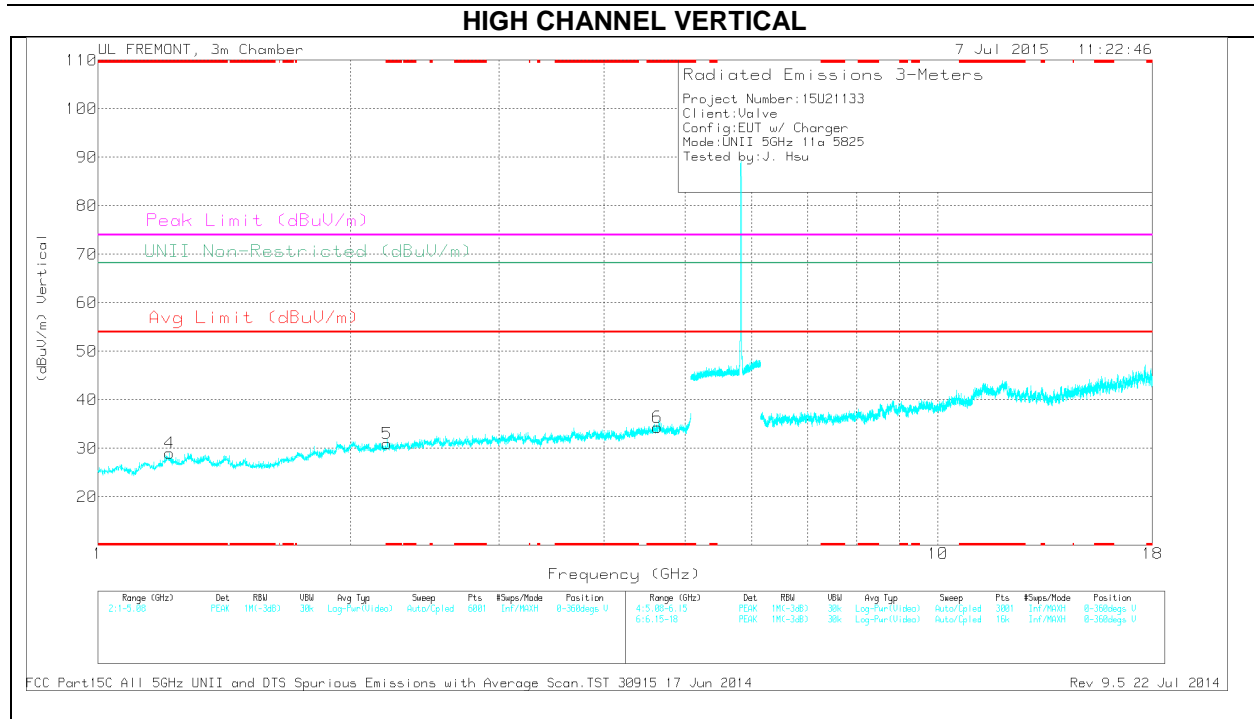
FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

Rev 9.5 22 Jul 2014

# HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; 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 T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.299	31.55	PK	29.9	-33	0	28.45	-	-	74	-45.55	-	-	0-360	100	H
2	* 3.883	33.49	PK	33.2	-29.9	0	36.79	-	-	74	-37.21	-	-	0-360	200	H
4	* 1.217	32.56	PK	29.1	-32.7	0	28.96	-	-	74	-45.04	-	-	0-360	100	V
5	* 2.21	31.42	PK	31.4	-31.8	0	31.02	-	-	74	-42.98	-	-	0-360	200	V
6	* 4.637	30.09	PK	33.9	-29.6	0	34.39	-	-	74	-39.61	-	-	0-360	200	V
3	* 11.903	28.06	PK	39.1	-23.5	0	43.66	-	-	74	-30.34	-	-	0-360	100	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.298	40.98	PK1	29.9	-33	0	37.88	-	-	74	-36.12	-	-	360	100	H
* 1.298	29.56	AD1	29.9	-33	.11	26.57	54	-27.43	-	-	-	-	360	100	H
* 3.884	40.24	PK1	33.2	-29.9	0	43.54	-	-	74	-30.46	-	-	360	100	H
* 3.883	29.69	AD1	33.2	-29.9	.11	33.1	54	-20.9	-	-	-	-	360	100	H
* 1.215	41.55	PK1	29.1	-32.7	0	37.95	-	-	74	-36.05	-	-	360	100	V
* 1.218	29.88	AD1	29.1	-32.7	.11	26.39	54	-27.61	-	-	-	-	360	100	V
* 2.212	41.21	PK1	31.4	-31.7	0	40.91	-	-	74	-33.09	-	-	360	100	V
* 2.211	29.47	AD1	31.4	-31.7	.11	29.28	54	-24.72	-	-	-	-	360	100	V
* 4.635	39.62	PK1	33.9	-29.6	0	43.92	-	-	74	-30.08	-	-	360	100	V
* 4.636	28.45	AD1	33.9	-29.6	.11	32.86	54	-21.14	-	-	-	-	360	100	V
* 11.901	37.32	PK1	39.1	-23.5	0	52.92	-	-	74	-21.08	-	-	360	100	H
* 11.901	25.56	AD1	39.1	-23.5	.11	41.27	54	-12.73	-	-	-	-	360	100	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

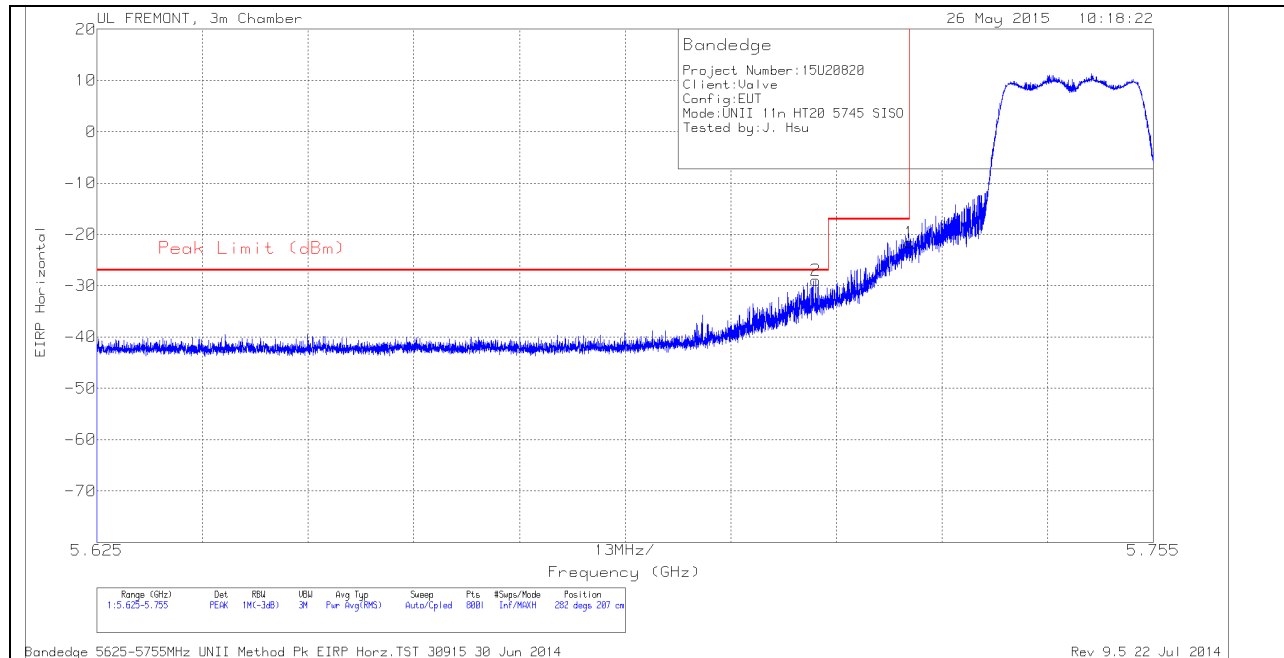
FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 17 Jun 2014

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## 12.4.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

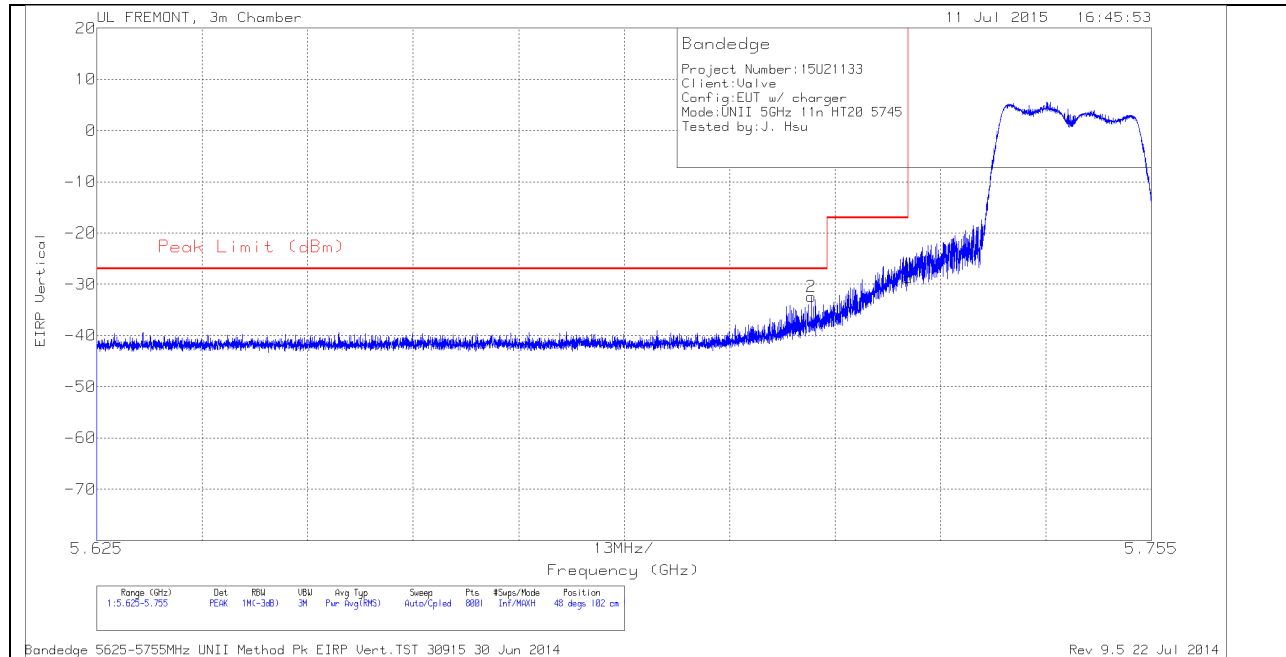
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	-54.57	PK	34.8	-21	11.8	-28.97	-27	-1.97	282	207	H
1	5.725	-47.05	PK	34.8	-21.1	11.8	-21.55	-17	-4.55	282	207	H

PK - Peak detector

Bandedge 5625-5755MHz UNII Method Pk EIRP Horiz.TST 30915 30 Jun 2014

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## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	-58.64	PK	34.8	-20.4	11.8	-32.44	-27	-5.44	48	102	V
1	5.725	-55.04	PK	34.8	-20.3	11.8	-28.74	-17	-11.74	48	102	V

PK - Peak detector

Bandedge 5625-5755MHz UNII Method Pk EIRP Vert.TST 30915 30 Jun 2014

Rev 9.5 22 Jul 2014