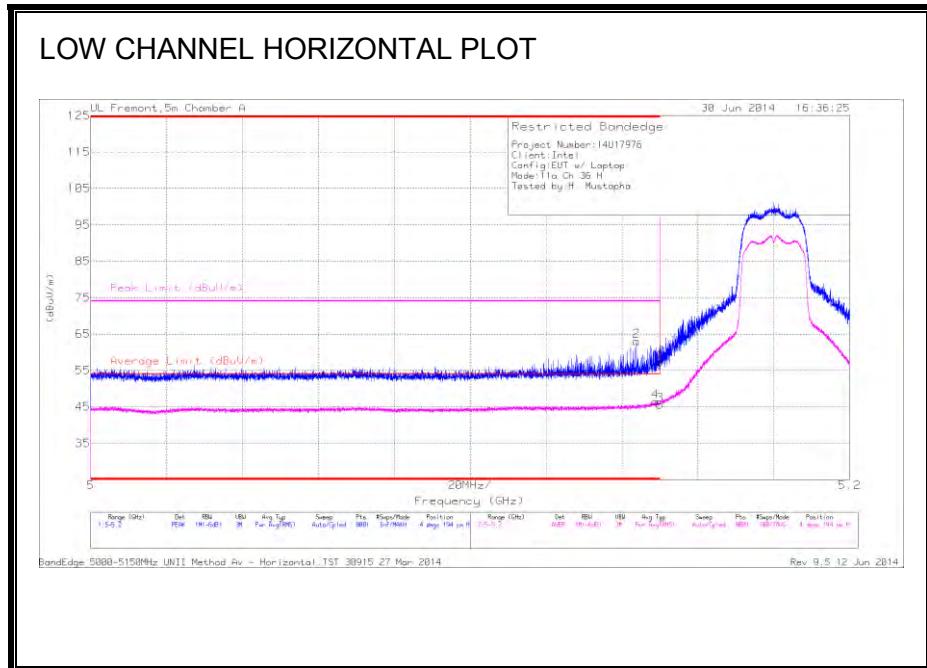


## 9.2. TRANSMITTER ABOVE 1 GHz

### 9.2.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND

#### BANDEDGE (LOW CHANNEL)



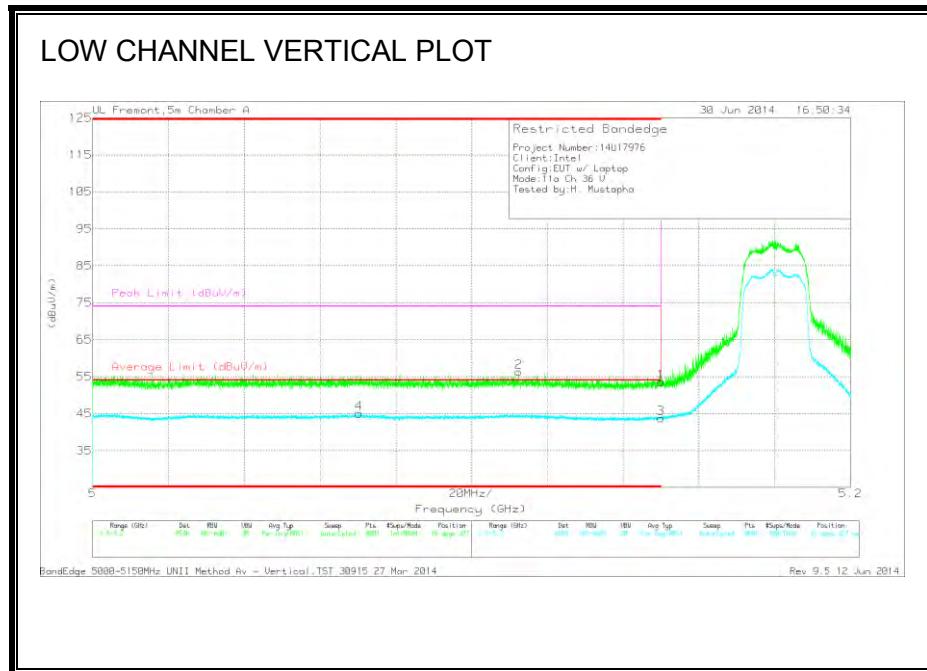
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ft tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.77	PK	34	-20.5	0	57.27	-	-	74	-16.73	4	194	H
2	* 5.144	49.92	PK	34	-20.8	0	63.12	-	-	74	-10.88	4	194	H
3	* 5.15	32.11	RMS	34	-20.5	0	45.61	54	-8.39	-	-	4	194	H
4	* 5.149	32.93	RMS	34	-20.5	0	46.43	54	-7.57	-	-	4	194	H

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

PK - Peak detector

RMS - RMS detection



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBmV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBmV/m)	Average Limit (dBmV/m)	Margin (dB)	Peak Limit (dBmV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.09	PK	34	-20.5	0	53.59	-	-	74	-20.41	16	327	V
2	* 5.112	42.38	PK	33.9	-20	0	56.28	-	-	74	-17.72	16	327	V
3	* 5.15	30.13	RMS	34	-20.5	0	43.63	54	-10.37	-	-	16	327	V
4	* 5.07	31.1	RMS	33.8	-20	0	44.90	54	-9.10	-	-	16	327	V

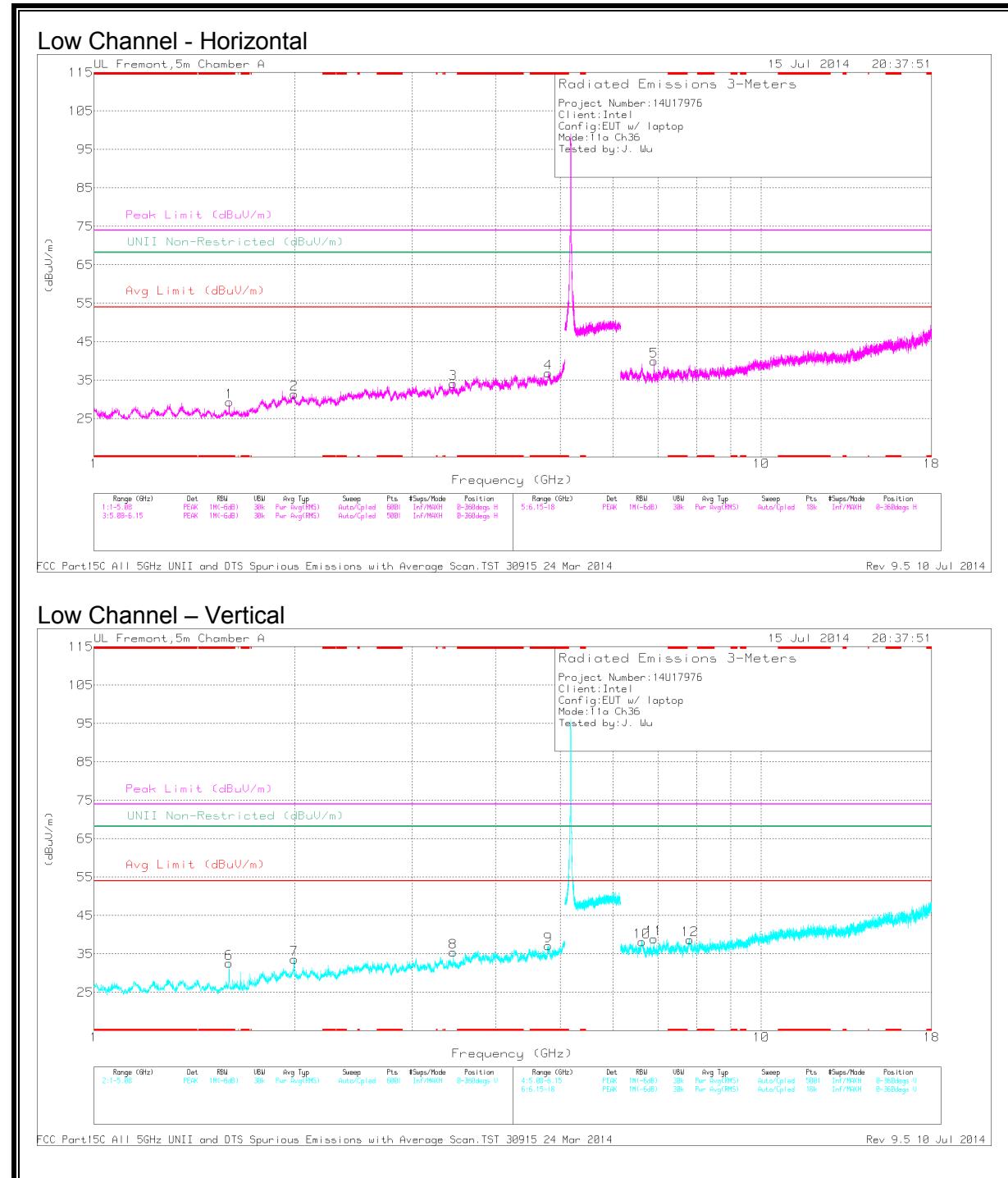
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

## **HARMONICS AND SPURIOUS EMISSIONS**

### **▪ LOW CHANNEL**



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/Cbl/Fltr /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	* 1.595	51.15	PK1	28.8	-35.6	0	44.35	-	-	74	-29.65	-	-	38	374	H
	* 1.597	31.69	AD1	28.8	-35.6	0	24.89	54	-29.11	-	-	-	-	38	374	H
4	* 4.798	38.87	PK1	34	-29.3	0	43.57	-	-	74	-30.43	-	-	0	351	H
	* 4.795	27.95	AD1	34	-29.3	0	32.65	54	-21.35	-	-	-	-	0	351	H
6	* 1.594	51.78	PK1	28.8	-35.6	0	44.98	-	-	74	-29.02	-	-	21	252	V
	* 1.596	32.1	AD1	28.8	-35.6	0	25.3	54	-28.7	-	-	-	-	21	252	V
9	* 4.799	39.42	PK1	34	-29.2	0	44.22	-	-	74	-29.78	-	-	302	209	V
	* 4.799	28.01	AD1	34	-29.2	0	32.81	54	-21.19	-	-	-	-	302	209	V
7	1.992	44.6	PK1	32	-34.8	0	41.8	-	-	-	-	68.2	-26.4	90	138	V
2	1.997	41.67	PK1	32.1	-35.2	0	38.57	-	-	-	-	68.2	-29.63	327	292	H
3	3.453	42.19	PK1	33	-31.6	0	43.59	-	-	-	-	68.2	-24.61	50	224	H
8	3.453	41.6	PK1	33	-31.6	0	43	-	-	-	-	68.2	-25.2	226	327	V
10	6.62	36.55	PK1	35.5	-25.8	0	46.25	-	-	-	-	68.2	-21.95	202	345	V
5	6.907	40.95	PK1	35.3	-27.7	0	48.55	-	-	-	-	68.2	-19.65	331	262	H
11	6.906	38.25	PK1	35.3	-27.7	0	45.85	-	-	-	-	68.2	-22.35	172	324	V
12	7.815	35.08	PK1	35.5	-24.4	0	46.18	-	-	-	-	68.2	-22.02	360	126	V

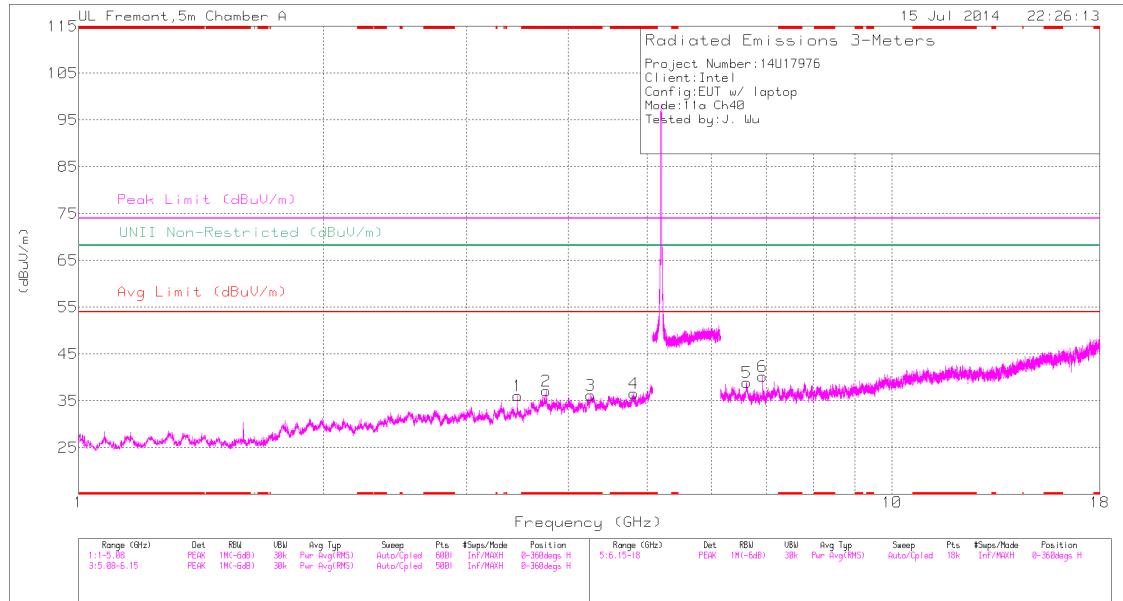
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ MID CHANNEL

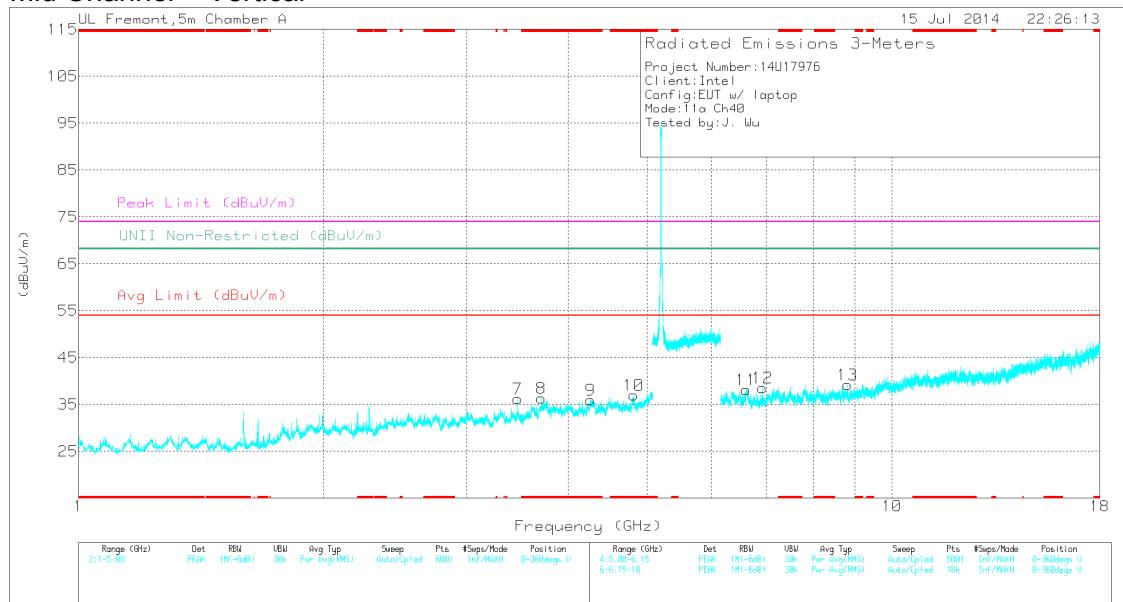
Mid Channel - Horizontal



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

Mid Channel – Vertical



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

## Trace Markers

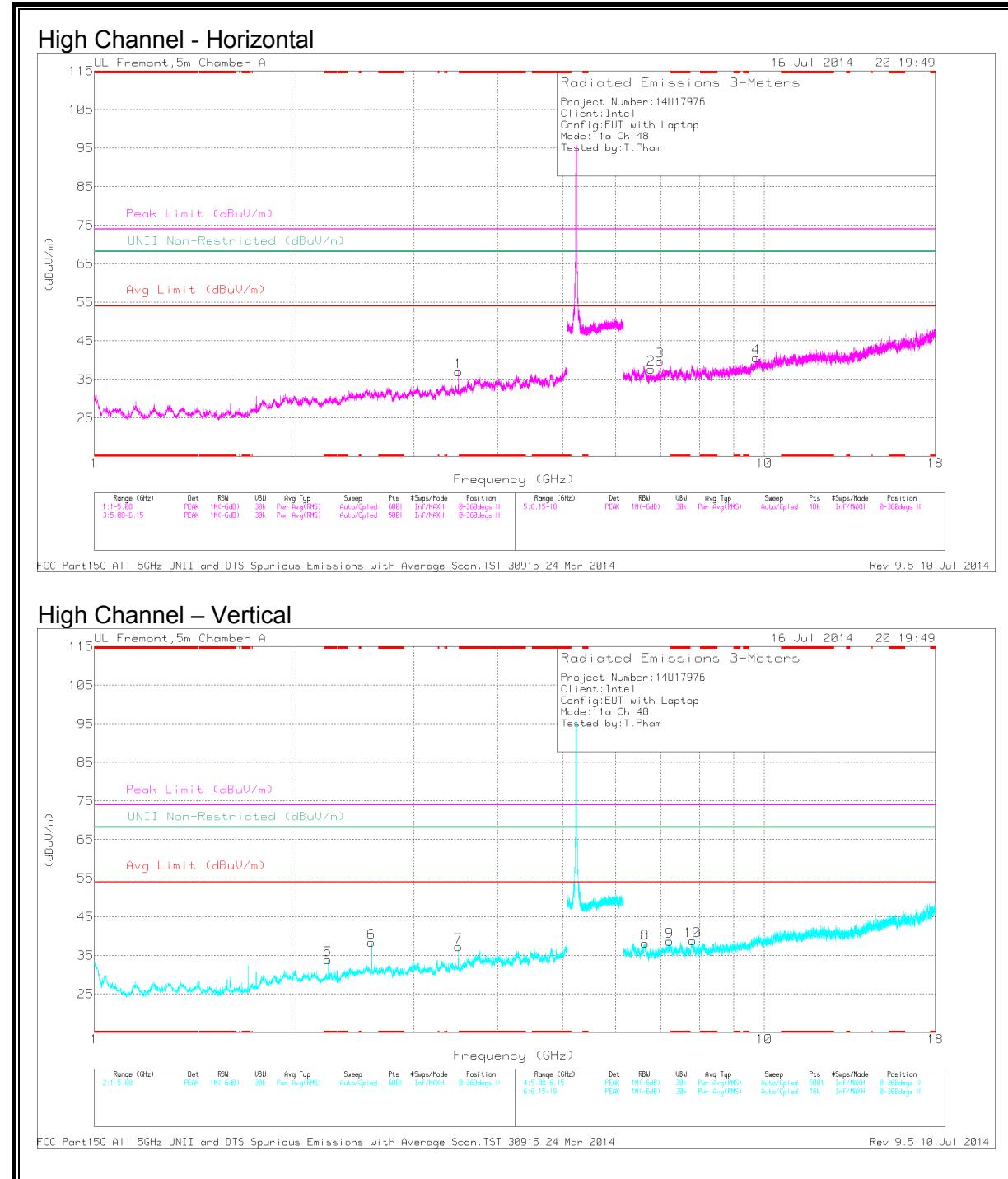
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.755	40.27	PK1	33.5	-30.3	0	43.47	-	-	74	-30.53	-	-	261	217	H
	* 3.757	28.38	AD1	33.5	-30	0	31.88	54	-22.12	-	-	-	-	261	217	H
3	* 4.264	38.88	PK1	34	-28.1	0	44.78	-	-	74	-29.22	-	-	153	132	H
	* 4.265	27.07	AD1	34	-28.2	0	32.87	54	-21.13	-	-	-	-	153	132	H
4	* 4.817	39.48	PK1	34	-29.1	0	44.38	-	-	74	-29.62	-	-	9	109	H
	* 4.817	28.29	AD1	34	-29.1	0	33.19	54	-20.81	-	-	-	-	9	109	H
8	* 3.704	39.54	PK1	33.4	-30.3	0	42.64	-	-	74	-31.36	-	-	314	270	V
	* 3.713	28.17	AD1	33.4	-30.2	0	31.37	54	-22.63	-	-	-	-	314	270	V
9	* 4.26	38.7	PK1	34	-28.2	0	44.5	-	-	74	-29.5	-	-	112	143	V
	* 4.267	27.14	AD1	34	-28.3	0	32.84	54	-21.16	-	-	-	-	112	143	V
10	* 4.815	39.54	PK1	34	-29	0	44.54	-	-	74	-29.46	-	-	139	306	V
	* 4.813	28.23	AD1	34	-29	0	33.23	54	-20.77	-	-	-	-	139	306	V
1	3.467	42.26	PK1	33	-31.2	0	44.06	-	-	-	-	68.2	-24.14	45	222	H
7	3.467	42.75	PK1	33	-31.2	0	44.55	-	-	-	-	68.2	-23.65	253	329	V
11	6.615	36.86	PK1	35.5	-25.7	0	46.66	-	-	-	-	68.2	-21.54	332	147	V
5	6.628	36.51	PK1	35.4	-25.8	0	46.11	-	-	-	-	68.2	-22.09	279	236	H
6	6.934	40.8	PK1	35.3	-27.6	0	48.5	-	-	-	-	68.2	-19.7	332	177	H
12	6.933	37.76	PK1	35.3	-27.6	0	45.46	-	-	-	-	68.2	-22.74	6	147	V
13	8.81	35.34	PK1	35.8	-25.9	0	45.24	-	-	-	-	68.2	-22.96	243	210	V

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ HIGH CHANNEL



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 2.23	41.59	PK1	31.3	-33.6	0	39.29	-	-	74	-34.71	-	-	225	316	V
	* 2.231	28.56	AD1	31.3	-33.6	0	26.26	54	-27.74	-	-	-	-	225	316	V
6	2.592	47.67	PK1	33	-33.3	0	47.37	-	-	-	-	68.2	-20.83	172	123	V
1	3.493	43.44	PK1	33	-31.6	0	44.84	-	-	-	-	68.2	-23.36	142	213	H
7	3.493	43.79	PK1	33	-31.6	0	45.19	-	-	-	-	68.2	-23.01	253	234	V
8	6.635	37.5	PK1	35.4	-26	0	46.9	-	-	-	-	68.2	-21.3	332	100	V
2	6.772	36.69	PK1	35.3	-27.4	0	44.59	-	-	-	-	68.2	-23.61	253	200	H
3	6.987	40.41	PK1	35.3	-27.7	0	48.01	-	-	-	-	68.2	-20.19	332	173	H
9	7.221	35.93	PK1	35.2	-25.4	0	45.73	-	-	-	-	68.2	-22.47	332	202	V
10	7.822	35.33	PK1	35.5	-24.4	0	46.43	-	-	-	-	68.2	-21.77	332	170	V
4	9.722	34.53	PK1	36.8	-23.9	0	47.43	-	-	-	-	68.2	-20.77	332	202	H

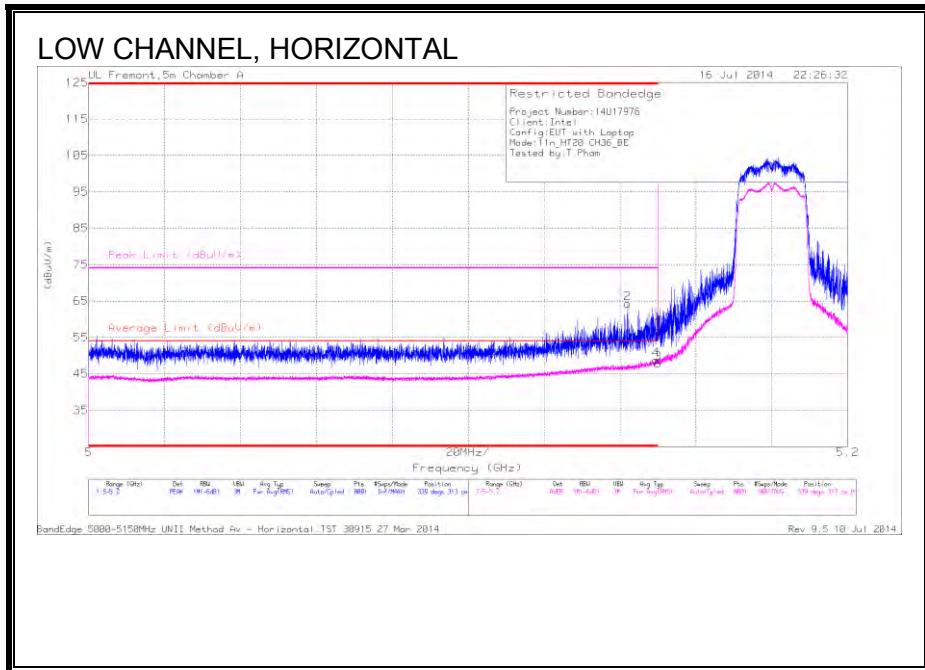
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

## 9.2.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND

### BANDEDGE (LOW CHANNEL)



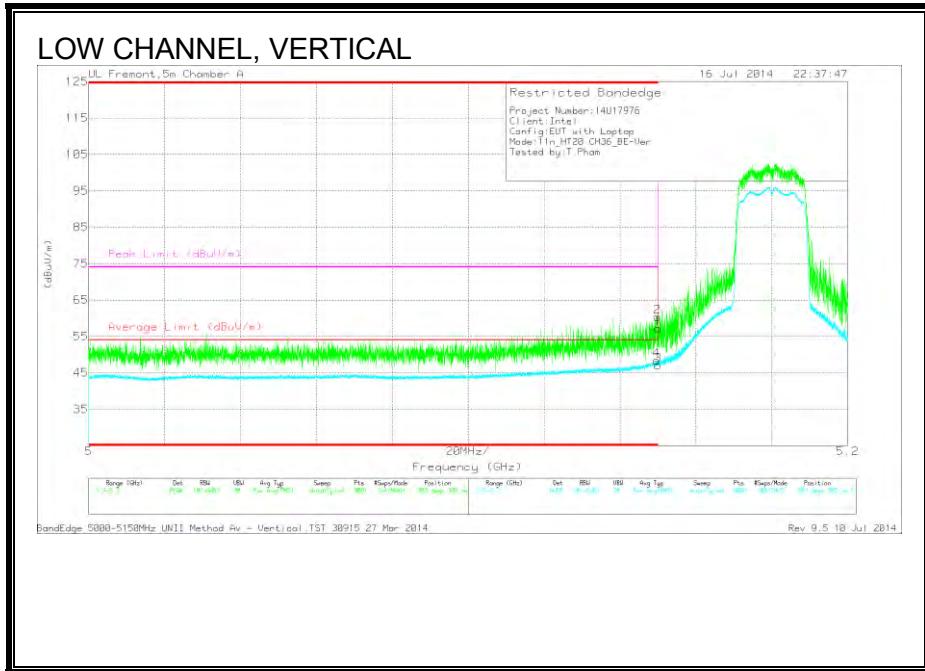
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/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	* 5.15	43.47	PK	34	-20.5	56.97	-	-	74	-17.03	339	313	H
2	* 5.142	51.11	PK	34	-20.8	64.31	-	-	74	-9.69	339	313	H
3	* 5.15	34.28	RMS	34	-20.5	47.78	54	-6.22	-	-	339	313	H
4	* 5.15	35.36	RMS	34	-20.5	48.86	54	-5.14	-	-	339	313	H

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

PK - Peak detector

RMS - RMS detection



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/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	* 5.15	43.71	PK	34	-20.5	57.21	-	-	74	-16.79	303	309	V
2	* 5.15	46.8	PK	34	-20.5	60.3	-	-	74	-13.7	303	309	V
3	* 5.15	33.52	RMS	34	-20.5	47.02	54	-6.98	-	-	303	309	V
4	* 5.15	34.96	RMS	34	-20.5	48.46	54	-5.54	-	-	303	309	V

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

PK - Peak detector

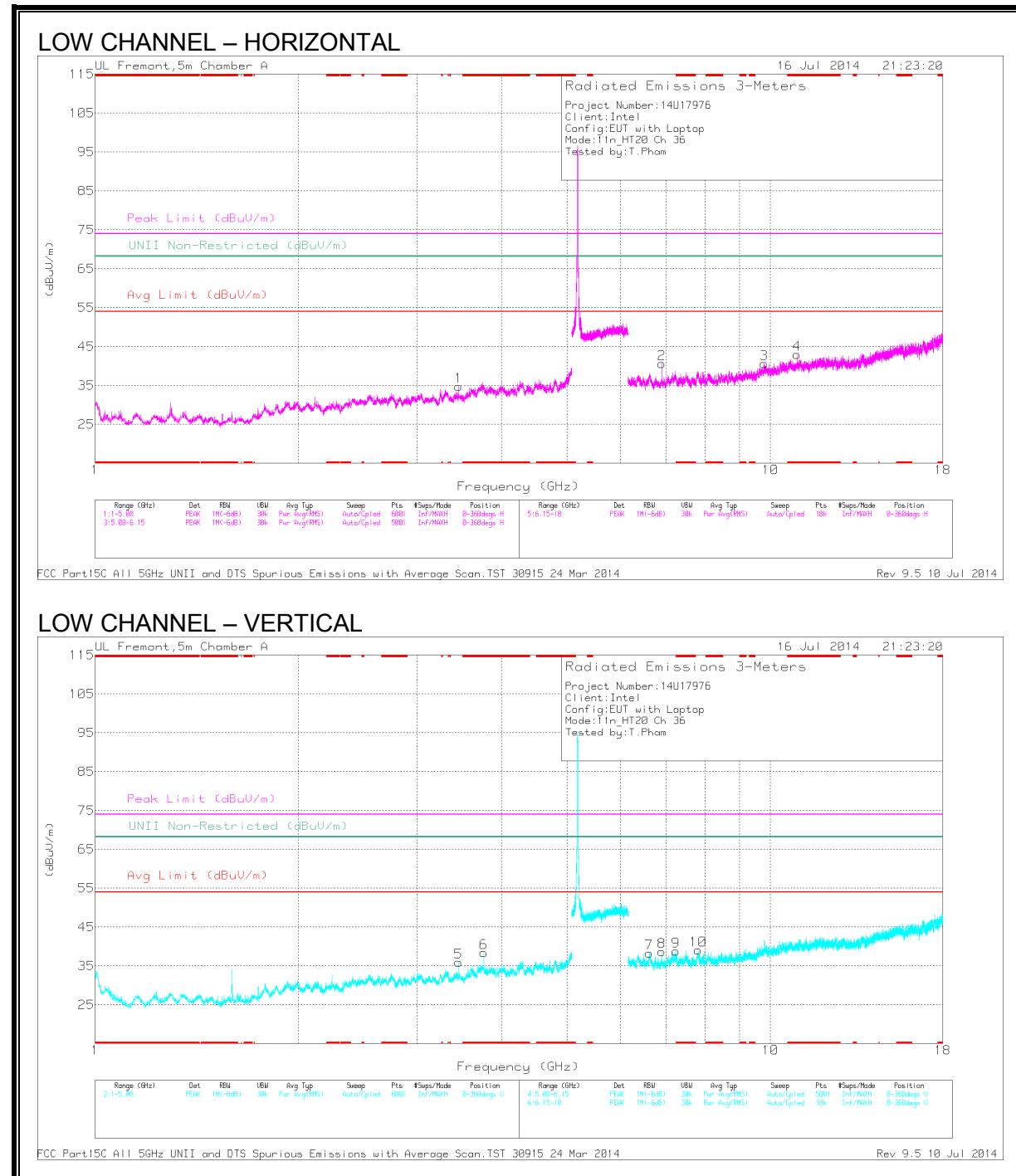
RMS - RMS detection

BandEdge 5000-5150MHz UNII Method Av - Vertical.TST 30915 27 Mar 2014

Rev 9.5 10 Jul 2014

## **HARMONICS AND SPURIOUS EMISSIONS**

### **LOW CHANNEL**



## Trace Markers

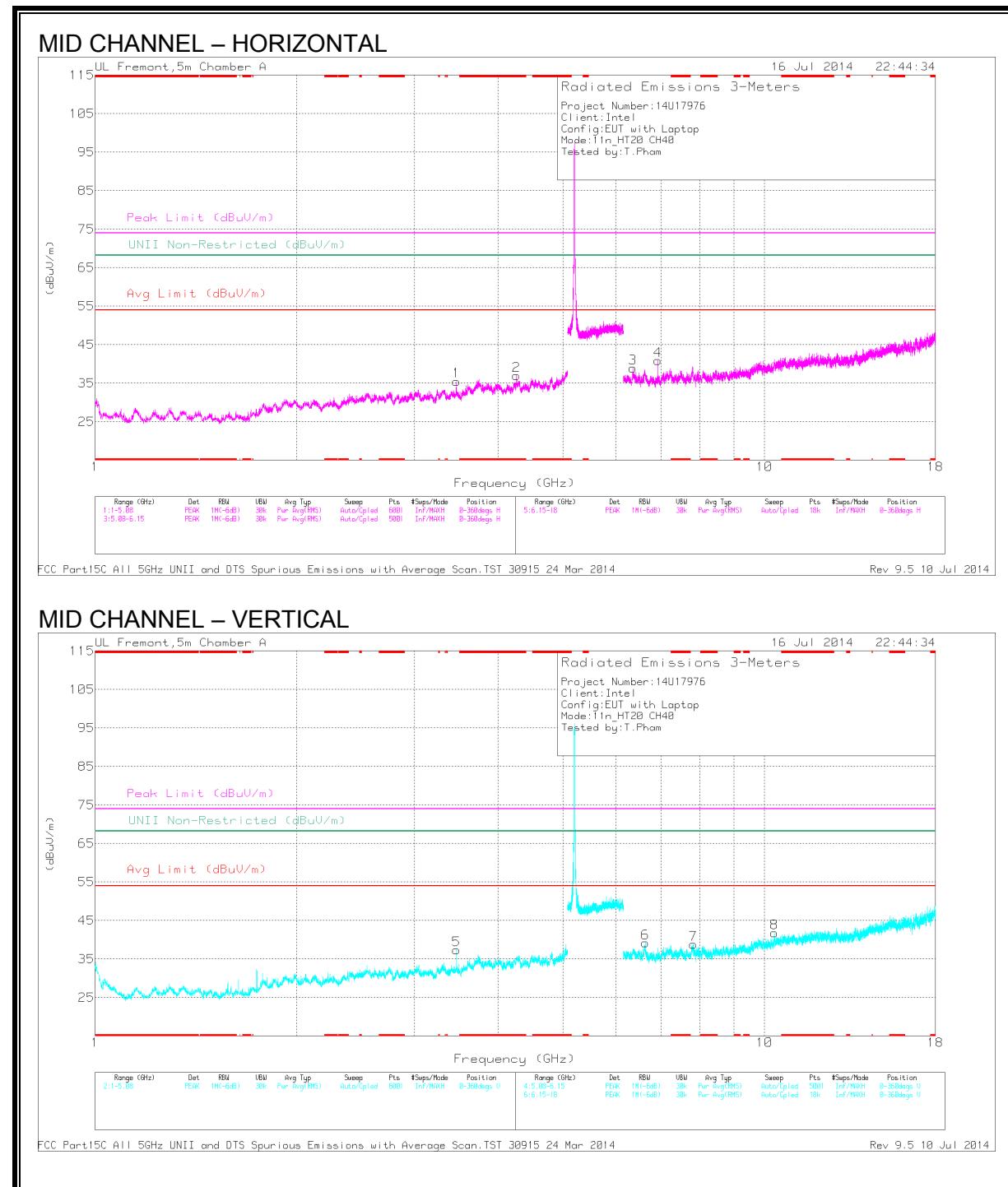
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 3.761	39.36	PK1	33.5	-29.7	0	43.16	-	-	74	-30.84	-	-	307	200	V
	* 3.765	28.29	AD1	33.5	-29.8	0	31.99	54	-22.01	-	-	-	-	307	200	V
4	* 10.942	33.46	PK1	37.8	-22.3	0	48.96	-	-	74	-25.04	-	-	332	200	H
	* 10.942	22.4	AD1	37.8	-22.3	0	37.9	54	-16.1	-	-	-	-	332	200	H
1	3.453	42.79	PK1	33	-31.6	0	44.19	-	-	-	-	68.2	-24.01	144	219	H
5	3.453	42.13	PK1	33	-31.6	0	43.53	-	-	-	-	68.2	-24.67	307	280	V
7	6.619	35.86	PK1	35.5	-25.8	0	45.56	-	-	-	-	68.2	-22.64	281	189	V
2	6.907	41.79	PK1	35.3	-27.7	0	49.39	-	-	-	-	68.2	-18.81	332	261	H
8	6.904	36.28	PK1	35.3	-27.6	0	43.98	-	-	-	-	68.2	-24.22	281	100	V
9	7.24	36.81	PK1	35.2	-25.1	0	46.91	-	-	-	-	68.2	-21.29	281	202	V
10	7.819	34.77	PK1	35.5	-24.3	0	45.97	-	-	-	-	68.2	-22.23	281	100	V
3	9.787	34.37	PK1	36.9	-22.8	0	48.47	-	-	-	-	68.2	-19.73	332	200	H

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ MID CHANNEL



## Trace Markers

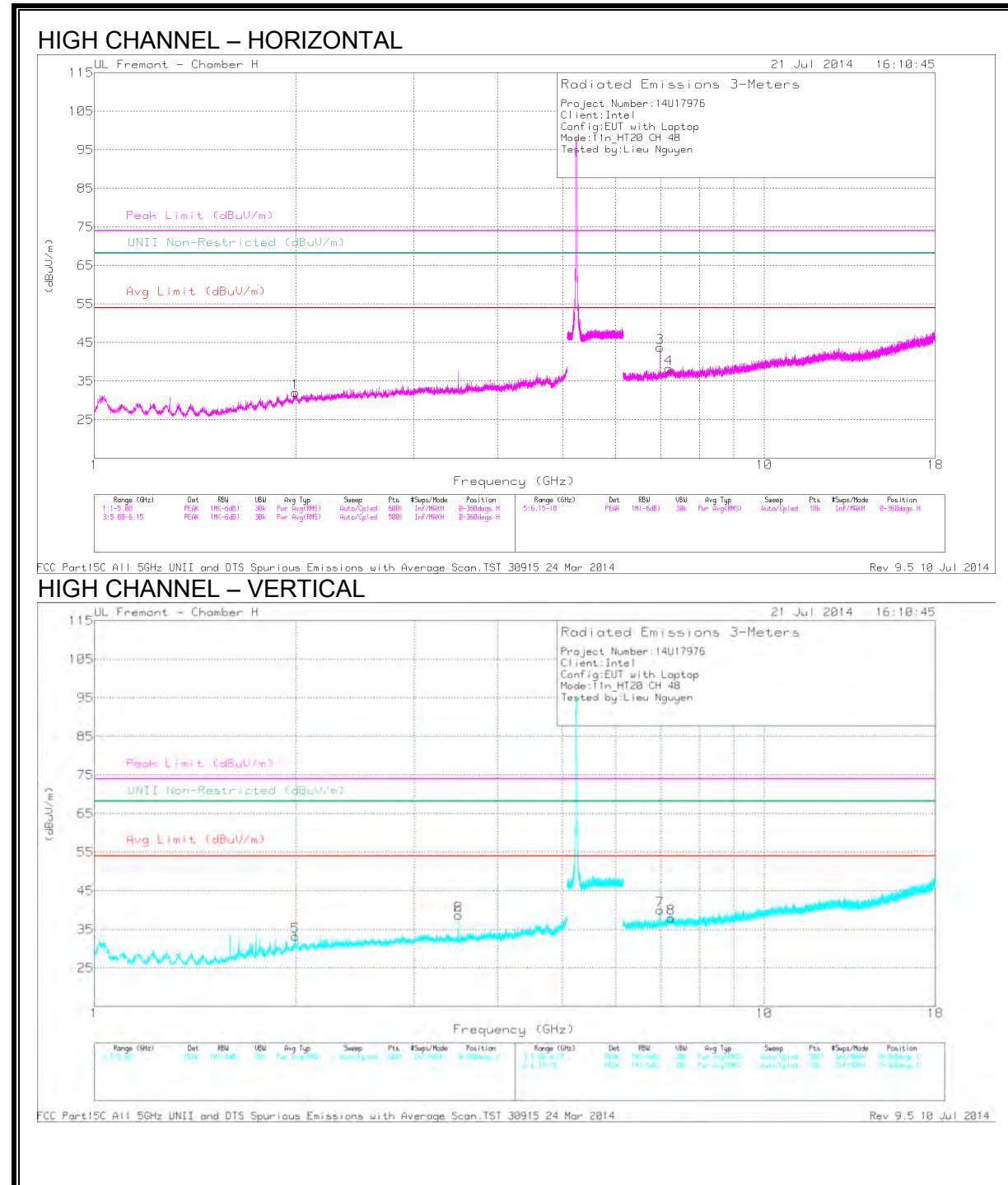
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.262	38.51	PK1	34	-28	44.51	-	-	74	-29.49	-	-	100	397	H
	* 4.262	26.83	AD1	34	-28	32.83	54	-21.17	-	-	-	-	100	397	H
1	3.466	42.8	PK1	33	-31.2	44.6	-	-	-	-	68.2	-23.6	142	220	H
5	3.466	42.41	PK1	33	-31.2	44.21	-	-	-	-	68.2	-23.99	243	204	V
3	6.356	37.11	PK1	35.5	-27.4	45.21	-	-	-	-	68.2	-22.99	243	100	H
6	6.634	37.01	PK1	35.4	-26	46.41	-	-	-	-	68.2	-21.79	243	202	V
4	6.932	36.78	PK1	35.3	-27.7	44.38	-	-	-	-	68.2	-23.82	243	100	H
7	7.822	35.92	PK1	35.5	-24.4	47.02	-	-	-	-	68.2	-21.18	243	100	V
8	10.351	33.85	PK1	37.3	-22.2	48.95	-	-	-	-	68.2	-19.25	243	202	V

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ HIGH CHANNEL



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fit 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
8	* 7.254	38.04	PK1	36.2	-29.1	0	45.14	-	-	74	-28.86	-	-	330	113	V
	* 7.254	27.12	AD1	36.2	-29.1	0	34.22	54	-19.78	-	-	-	-	330	113	V
1	1.994	45.74	PK1	31.3	-34.5	0	42.54	-	-	-	-	68.2	-25.66	109	143	V
5	1.997	43.41	PK1	31.3	-34.5	0	40.21	-	-	-	-	68.2	-27.99	214	172	H
2	3.493	45.34	PK1	32.8	-33.5	0	44.64	-	-	-	-	68.2	-23.56	121	355	V
6	3.493	46.16	PK1	32.8	-33.5	0	45.46	-	-	-	-	68.2	-22.74	121	198	V
3	6.986	42.02	PK1	35.8	-29.9	0	47.92	-	-	-	-	68.2	-20.28	165	269	V
7	6.987	45.57	PK1	35.8	-29.9	0	51.47	-	-	-	-	68.2	-16.73	153	217	H
4	7.204	39.05	PK1	36.1	-29.5	0	45.65	-	-	-	-	68.2	-22.55	153	217	H

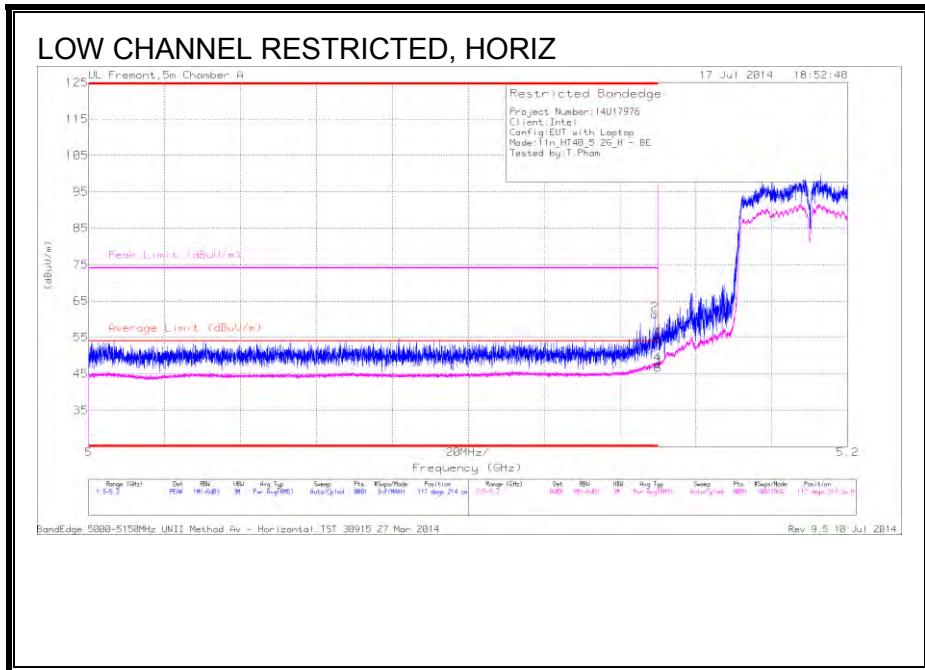
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

### 9.2.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND

#### BANDEDGE (LOW CHANNEL)



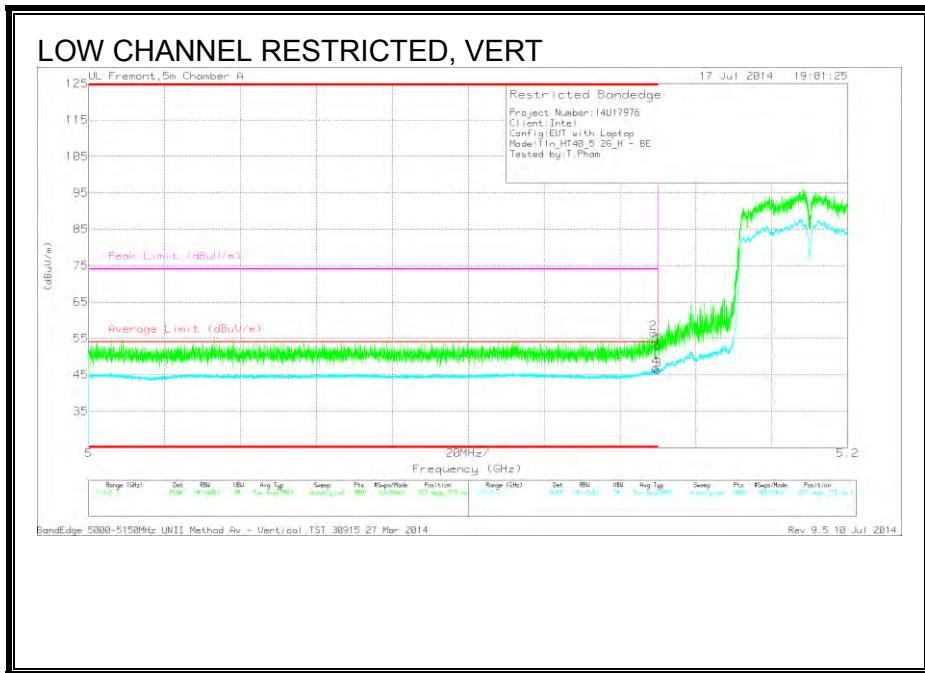
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBmV)	Det	AF T136 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBmV/m)	Average Limit (dBmV/m)	Margin (dB)	Peak Limit (dBmV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.96	PK	34	-20.5	0	54.46	-	-	74	-19.54	117	214	H
2	* 5.149	47.87	PK	34	-20.5	0	61.37	-	-	74	-12.63	117	214	H
3	* 5.15	33.16	RMS	34	-20.5	0.75	47.41	54	-6.59	-	-	117	214	H
4	* 5.15	34.07	RMS	34	-20.5	0.75	48.32	54	-5.68	-	-	117	214	H

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

PK - Peak detector

RMS - RMS detection



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/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	* 5.15	39.59	PK	34	-20.5	0	53.09	-	-	74	-20.91	327	279	V
2	* 5.149	42.97	PK	34	-20.5	0	56.47	-	-	74	-17.53	327	279	V
3	* 5.15	32.11	RMS	34	-20.5	0.75	46.36	54	-7.64	-	-	327	279	V
4	* 5.149	32.58	RMS	34	-20.5	0.75	46.83	54	-7.17	-	-	327	279	V

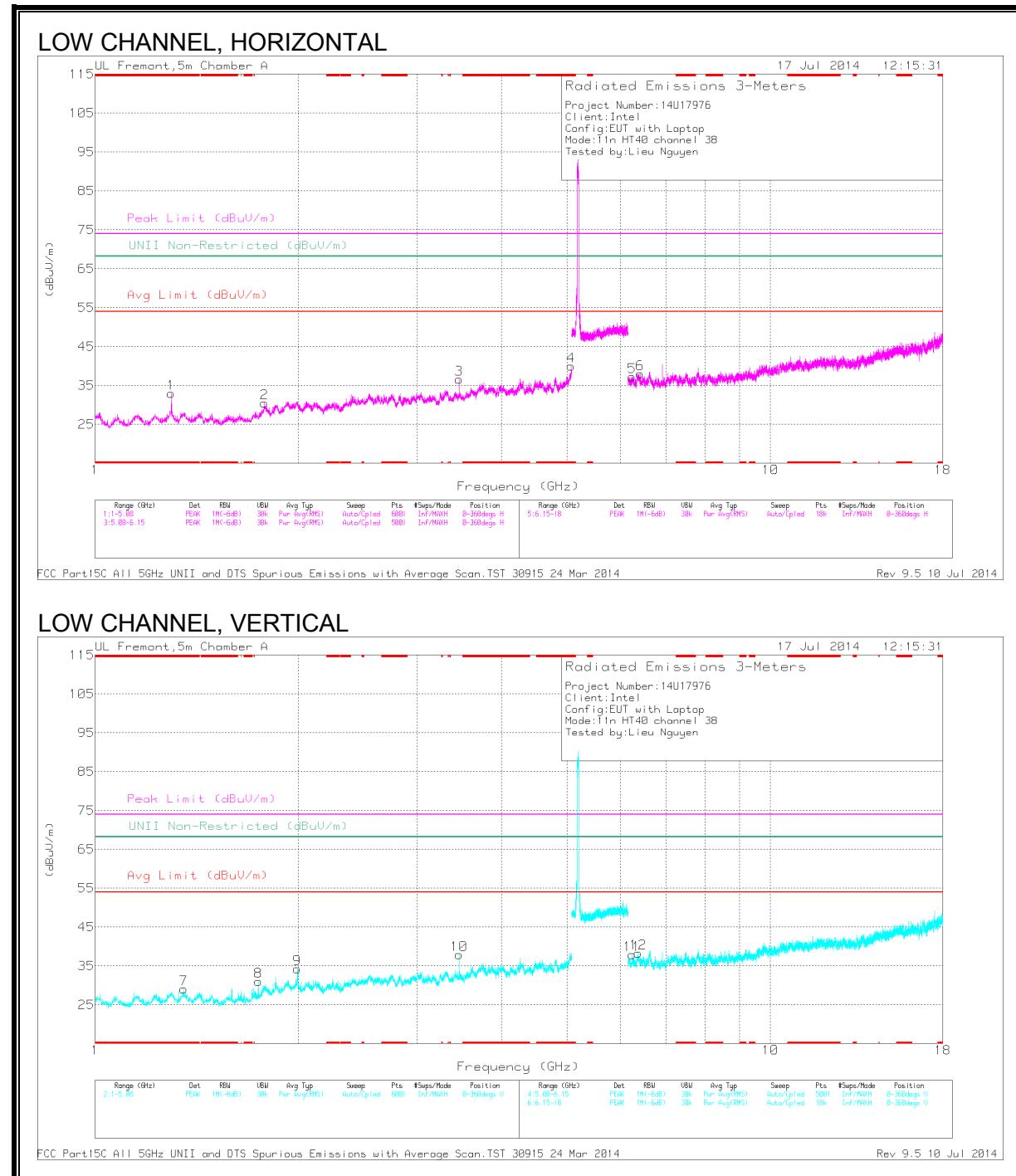
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

## **HARMONICS AND SPURIOUS EMISSIONS**

### **▪ LOW CHANNEL**



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.296	45.22	PK1	30.2	-36.7	0	38.72	-	-	74	-35.28	-	-	86	246	H
	* 1.295	31.33	AD1	30.2	-36.7	0.75	25.58	54	-28.42	-	-	-	-	86	246	H
4	* 5.072	42.43	PK1	33.8	-27.2	0	49.03	-	-	74	-24.97	-	-	355	327	H
	* 5.074	29.61	AD1	33.8	-27.3	0.75	36.86	54	-17.14	-	-	-	-	355	327	H
7	* 1.353	43.54	PK1	30	-36.8	0	36.74	-	-	74	-37.26	-	-	134	344	V
	* 1.352	31.24	AD1	30	-36.8	0.75	25.19	54	-28.81	-	-	-	-	134	344	V
8	1.745	48.29	PK1	29.8	-35.2	0	42.89	-	-	-	-	68.2	-25.31	184	271	V
2	1.783	44.24	PK1	30.3	-34.4	0	40.14	-	-	-	-	68.2	-28.06	255	299	H
9	1.991	46.66	PK1	32	-34.8	0	43.86	-	-	-	-	68.2	-24.34	93	101	V
3	3.46	43.16	PK1	33	-31.4	0	44.76	-	-	-	-	68.2	-23.44	46	263	H
10	3.46	43.33	PK1	33	-31.4	0	44.93	-	-	-	-	68.2	-23.27	245	233	V
11	6.234	37.15	PK1	35.4	-28.2	0	44.35	-	-	-	-	68.2	-23.85	292	249	V
5	6.237	36.77	PK1	35.4	-28	0	44.17	-	-	-	-	68.2	-24.03	202	304	H
12	6.368	37.34	PK1	35.5	-27.1	0	45.74	-	-	-	-	68.2	-22.46	8	307	V
6	6.42	37.42	PK1	35.5	-27.8	0	45.12	-	-	-	-	68.2	-23.08	235	218	H

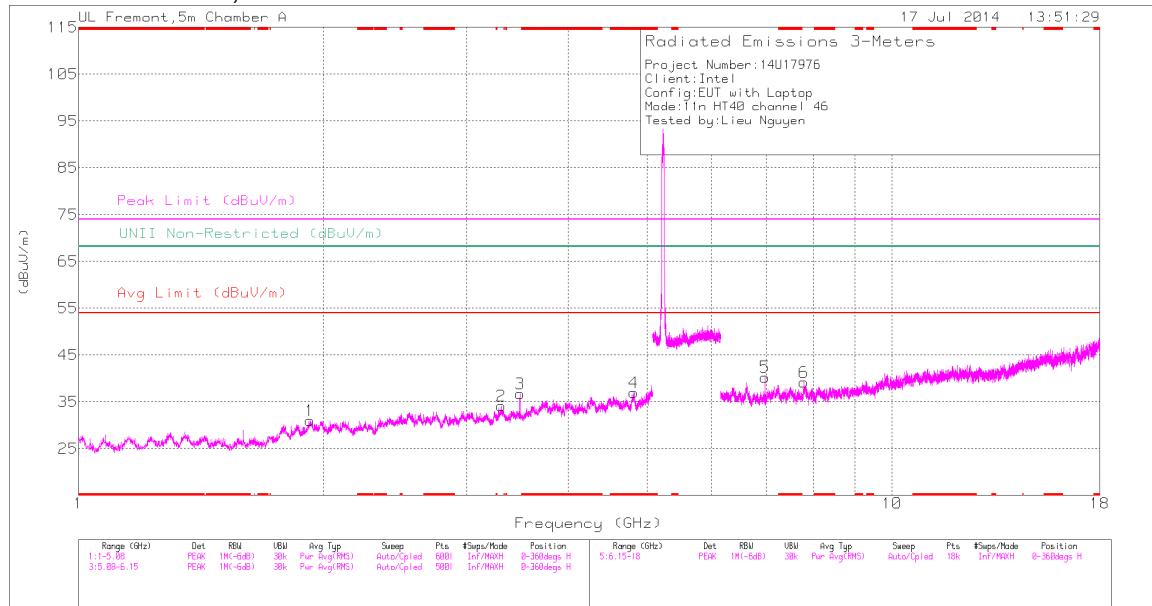
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ HIGH CHANNEL

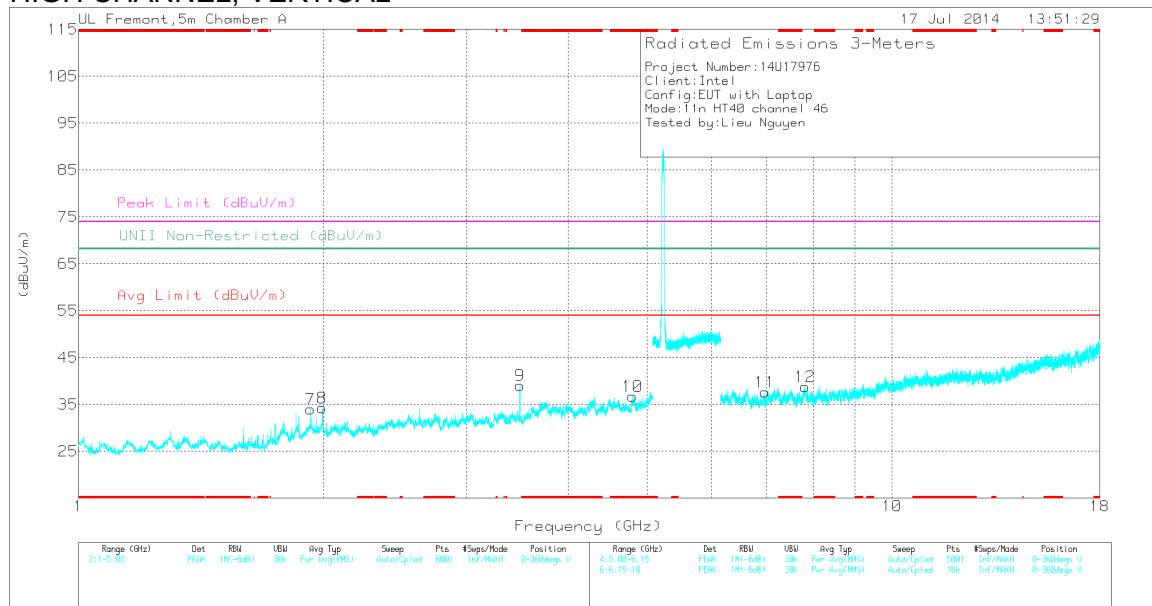
HIGH CHANNEL, HORIZONTAL



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

HIGH CHANNEL, VERTICAL



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/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
4	* 4.81	39.99	PK1	34	-29	0	44.99	-	-	74	-29.01	-	-	160	324	H
	* 4.811	27.99	AD1	34	-29	0.75	33.74	54	-20.26	-	-	-	-	160	324	H
10	* 4.796	39.9	PK1	34	-29.3	0	44.6	-	-	74	-29.4	-	-	2	338	V
	* 4.795	28.06	AD1	34	-29.3	0.75	33.51	54	-20.49	-	-	-	-	2	338	V
1	1.924	41.97	PK1	31.8	-34.6	0	39.17	-	-	-	-	68.2	-29.03	201	154	H
7	1.93	42.66	PK1	31.8	-34.6	0	39.86	-	-	-	-	68.2	-28.34	152	126	V
8	1.993	44.13	PK1	32.1	-34.9	0	41.33	-	-	-	-	68.2	-26.87	140	132	V
2	3.311	39.75	PK1	32.9	-31	0	41.65	-	-	-	-	68.2	-26.55	224	301	H
3	3.487	43.33	PK1	33	-31.7	0	44.63	-	-	-	-	68.2	-23.57	50	259	H
9	3.487	43.49	PK1	33	-31.7	0	44.79	-	-	-	-	68.2	-23.41	246	268	V
5	6.973	39.97	PK1	35.3	-27.8	0	47.47	-	-	-	-	68.2	-20.73	330	174	H
11	6.973	37.8	PK1	35.3	-27.8	0	45.3	-	-	-	-	68.2	-22.9	318	312	V
6	7.787	36.37	PK1	35.5	-25.4	0	46.47	-	-	-	-	68.2	-21.73	328	148	H
12	7.82	35.49	PK1	35.5	-24.3	0	46.69	-	-	-	-	68.2	-21.51	154	287	V

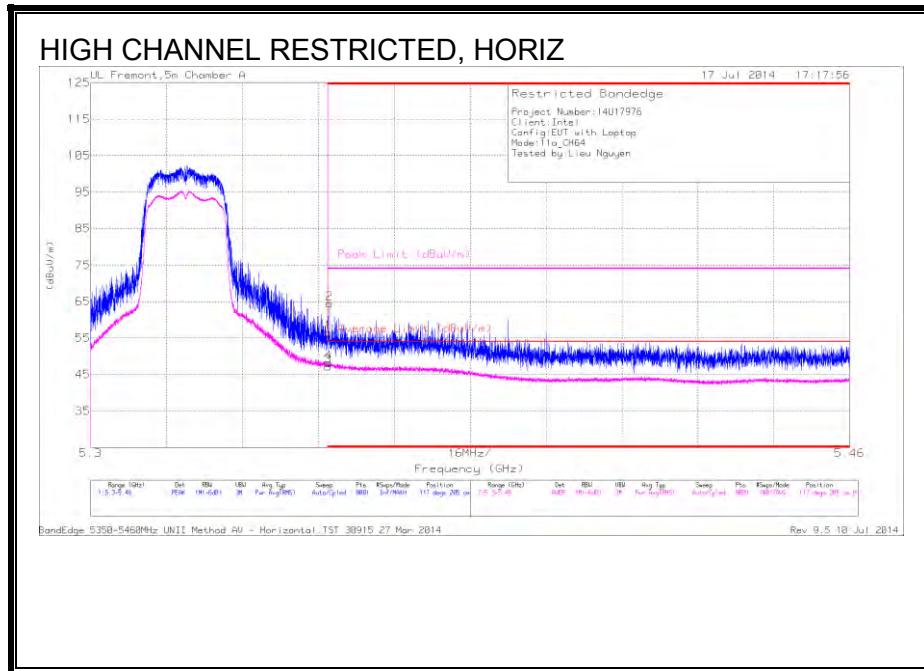
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

### 9.2.4. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND

#### RESTRICTED BANDEDGE (HIGH CHANNEL)



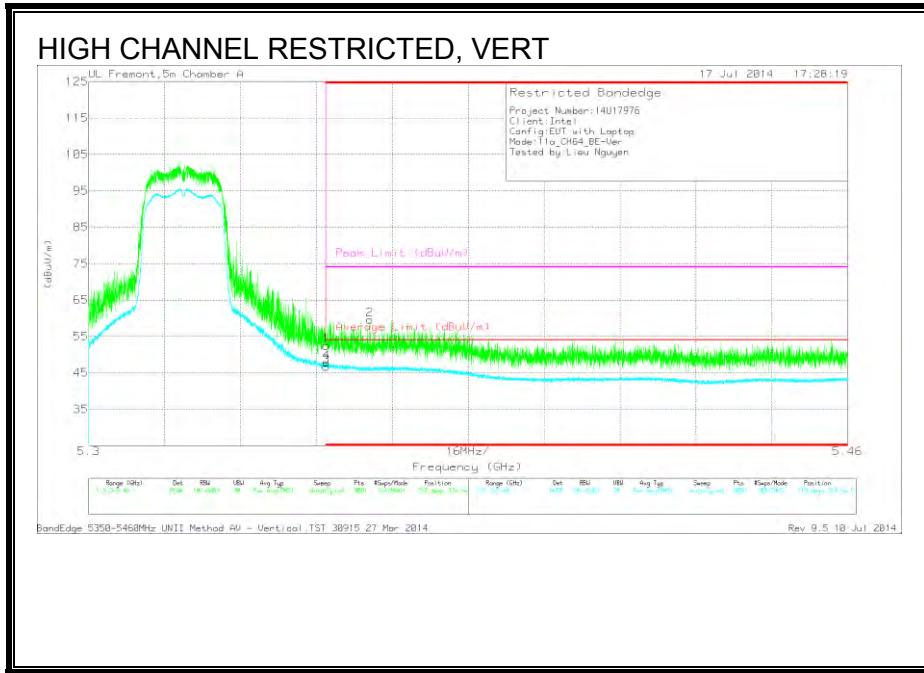
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbf/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	41.74	PK	34.3	-19.6	0	56.44	-	-	74	-17.56	117	205	H
2	* 5.35	49.69	PK	34.3	-19.6	0	64.39	-	-	74	-9.61	117	205	H
3	* 5.35	32.54	RMS	34.3	-19.6	0	47.24	54	-6.76	-	-	117	205	H
4	* 5.35	33.49	RMS	34.3	-19.6	0	48.19	54	-5.81	-	-	117	205	H

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

PK - Peak detector

RMS - RMS detection



## 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	* 5.35	37.67	PK	34.3	-19.6	0	52.37	-	-	74	-21.63	218	324	V
2	* 5.359	45.12	PK	34.3	-19.8	0	59.62	-	-	74	-14.38	218	324	V
3	* 5.35	32	RMS	34.3	-19.6	0	46.7	54	-7.3	-	-	218	324	V
4	* 5.35	33.15	RMS	34.3	-19.6	0	47.85	54	-6.15	-	-	218	324	V

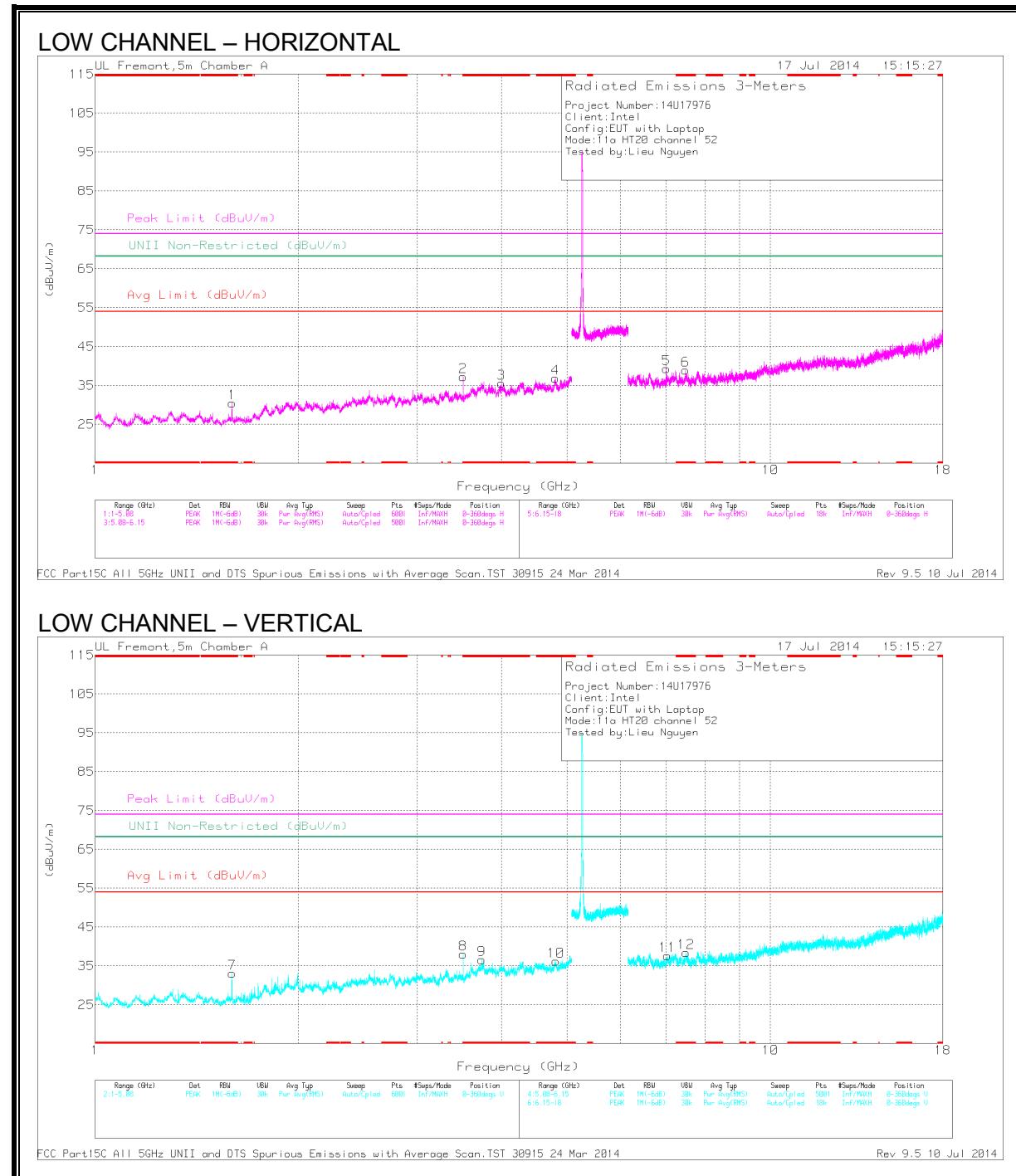
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### ▪ LOW CHANNEL



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Rtr/Ps d (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	* 1.595	47.27	PK1	28.8	-35.6	0	40.47	-	-	74	-33.53	-	-	336	216	H
	* 1.595	30.57	AD1	28.8	-35.5	0	23.87	54	-30.13	-	-	-	-	336	216	H
2	* 3.507	43.15	PK1	33.1	-31.8	0	44.45	-	-	74	-29.55	-	-	49	292	H
	* 3.507	36.63	AD1	33.1	-31.8	0	37.93	54	-16.07	-	-	-	-	49	292	H
3	* 3.997	38.62	PK1	33.7	-29.6	0	42.72	-	-	74	-31.28	-	-	9	188	H
	* 3.994	27.41	AD1	33.7	-29.7	0	31.41	54	-22.59	-	-	-	-	9	188	H
4	* 4.803	39.81	PK1	34	-29.1	0	44.71	-	-	74	-29.29	-	-	159	284	H
	* 4.803	27.86	AD1	34	-29.1	0	32.76	54	-21.24	-	-	-	-	159	284	H
7	* 1.594	50.91	PK1	28.8	-35.5	0	44.21	-	-	74	-29.79	-	-	176	353	V
	* 1.595	31.7	AD1	28.8	-35.6	0	24.9	54	-29.1	-	-	-	-	176	353	V
8	* 3.507	43.04	PK1	33.1	-31.8	0	44.34	-	-	74	-29.66	-	-	284	261	V
	* 3.507	36.23	AD1	33.1	-31.8	0	37.53	54	-16.47	-	-	-	-	284	261	V
9	* 3.74	39.83	PK1	33.5	-29.7	0	43.63	-	-	74	-30.37	-	-	284	100	V
	* 3.741	28.13	AD1	33.5	-29.7	0	31.93	54	-22.07	-	-	-	-	284	100	V
10	* 4.817	39.94	PK1	34	-29.1	0	44.84	-	-	74	-29.16	-	-	284	202	V
	* 4.817	28.49	AD1	34	-29.1	0	33.39	54	-20.61	-	-	-	-	284	202	V
6	* 7.49	35.37	PK1	35.3	-25.4	0	45.27	-	-	74	-28.73	-	-	284	202	H
	* 7.489	24.83	AD1	35.3	-25.4	0	34.73	54	-19.27	-	-	-	-	284	202	H
12	* 7.502	35.39	PK1	35.3	-24.8	0	45.89	-	-	74	-28.11	-	-	206	375	V
	* 7.502	24.06	AD1	35.3	-24.8	0	34.56	54	-19.44	-	-	-	-	206	375	V
5	7.013	36.04	PK1	35.3	-27.2	0	44.14	-	-	-	-	68.2	-24.06	284	202	H
11	7.037	36.62	PK1	35.3	-26.7	0	45.22	-	-	-	-	68.2	-22.98	284	100	V

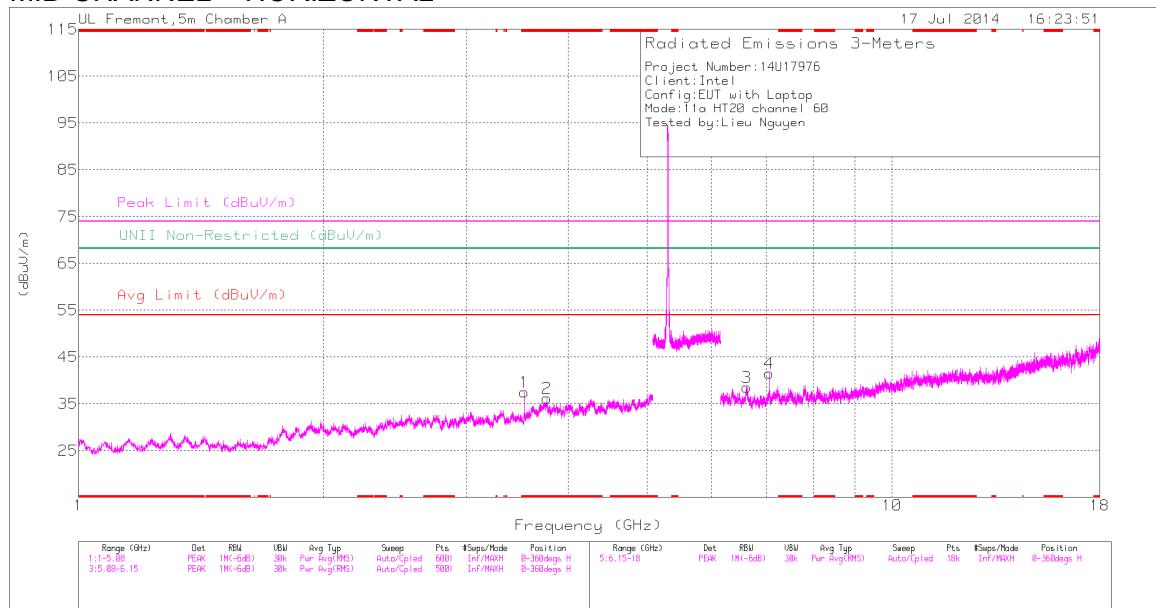
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ MID CHANNEL

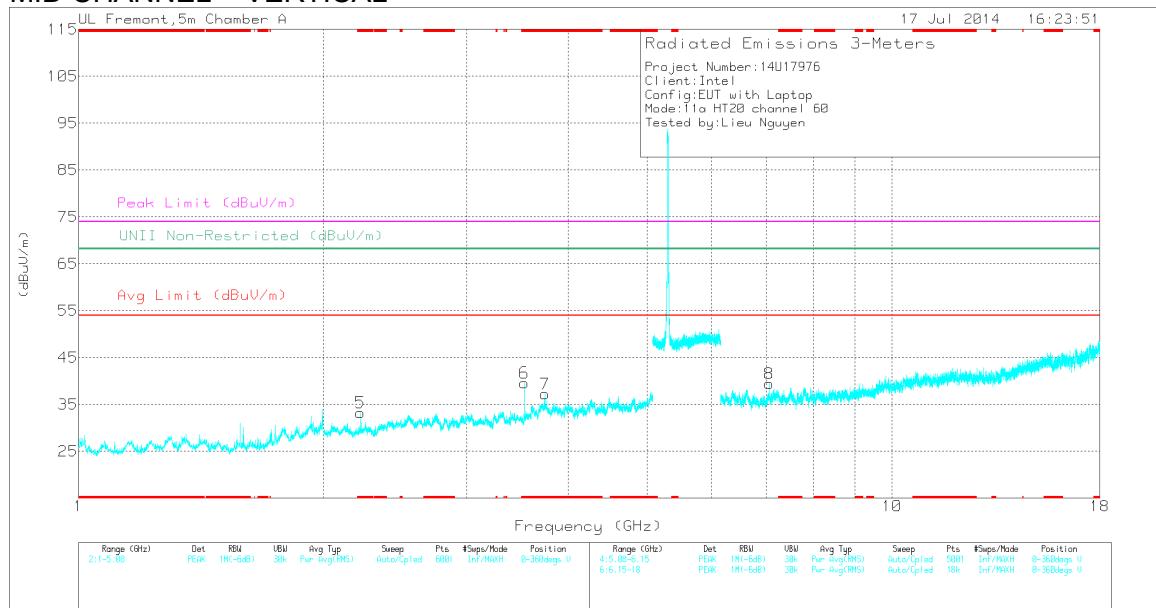
MID CHANNEL – HORIZONTAL



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

MID CHANNEL – VERTICAL



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/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	* 3.533	43.48	PK1	33.1	-31.7	0	44.88	-	-	74	-29.12	-	-	51	219	H
	* 3.533	36.8	AD1	33.1	-31.7	0	38.2	54	-15.8	-	-	-	-	51	219	H
2	* 3.764	39.34	PK1	33.5	-29.8	0	43.04	-	-	74	-30.96	-	-	51	287	H
	* 3.765	27.95	AD1	33.5	-30	0	31.45	54	-22.55	-	-	-	-	51	287	H
5	* 2.218	43.19	PK1	31.3	-33.5	0	40.99	-	-	74	-33.01	-	-	209	373	V
	* 2.22	28.81	AD1	31.3	-33.5	0	26.61	54	-27.39	-	-	-	-	209	373	V
6	* 3.533	44.17	PK1	33.1	-31.7	0	45.57	-	-	74	-28.43	-	-	226	231	V
	* 3.533	37.27	AD1	33.1	-31.7	0	38.67	54	-15.33	-	-	-	-	226	231	V
7	* 3.741	39.77	PK1	33.5	-29.7	0	43.57	-	-	74	-30.43	-	-	226	100	V
	* 3.742	28.34	AD1	33.5	-29.7	0	32.14	54	-21.86	-	-	-	-	226	100	V
3	6.63	37.1	PK1	35.4	-25.8	0	46.7	-	-	-	-	68.2	-21.5	226	202	H
4	7.067	40.96	PK1	35.3	-26.8	0	49.46	-	-	-	-	68.2	-18.74	326	165	H
8	7.067	39.89	PK1	35.3	-26.8	0	48.39	-	-	-	-	68.2	-19.81	9	202	V

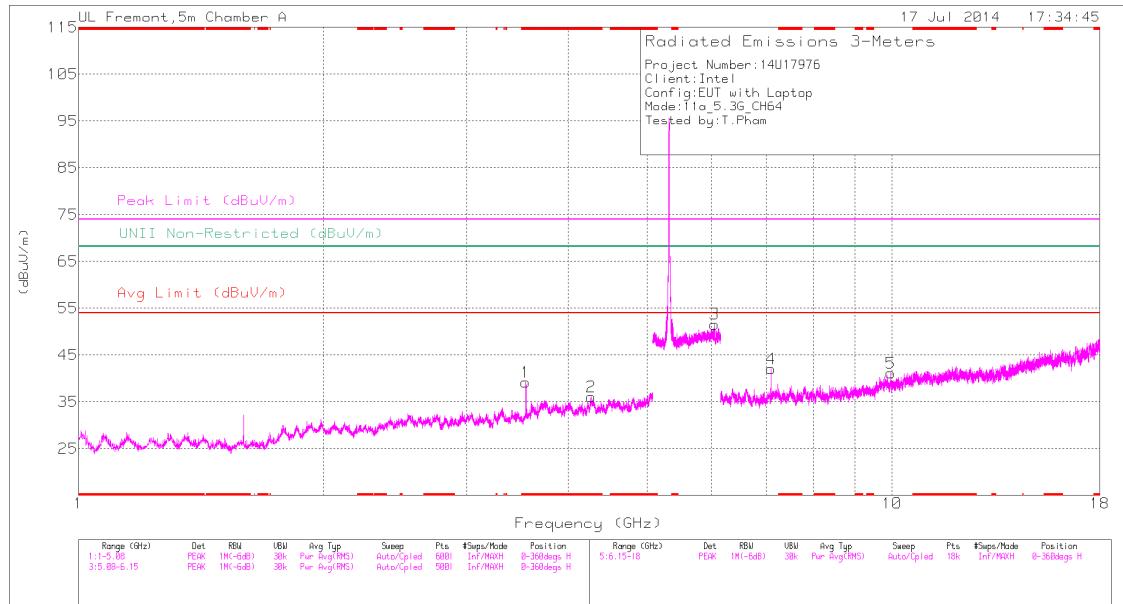
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ HIGH CHANNEL

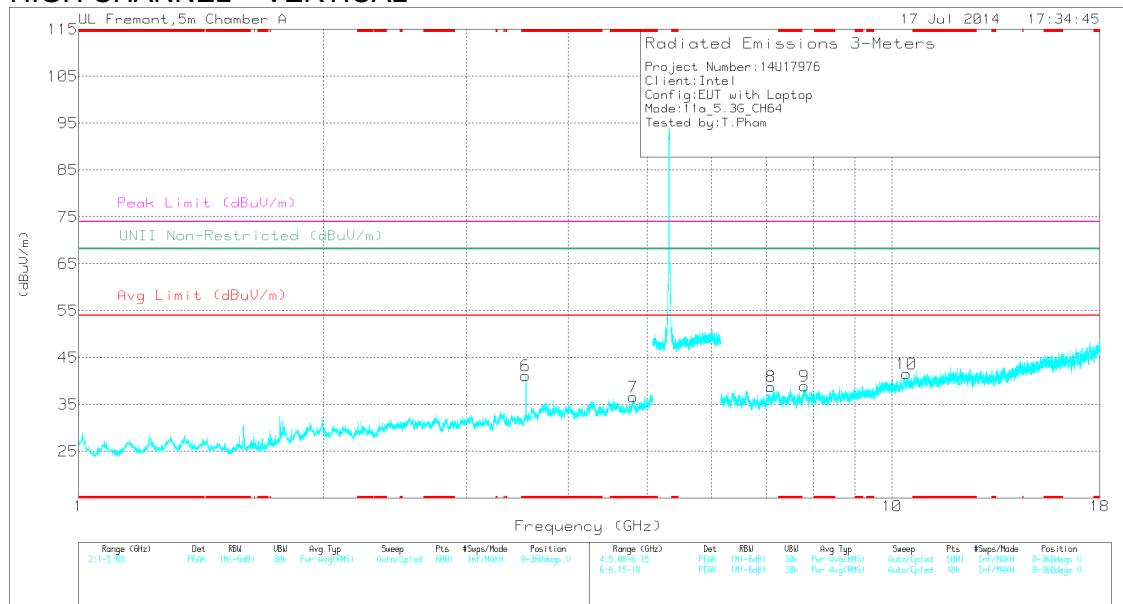
HIGH CHANNEL – HORIZONTAL



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

HIGH CHANNEL – VERTICAL



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/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	* 3.546	44.53	PK1	33.1	-31.3	0	46.33	-	-	74	-27.67	-	-	127	243	H
	* 3.547	38.52	AD1	33.1	-31.3	0	40.32	54	-13.68	-	-	-	-	127	243	H
2	* 4.267	38.54	PK1	34	-28.3	0	44.24	-	-	74	-29.76	-	-	274	255	H
	* 4.265	26.61	AD1	34	-28.2	0	32.41	54	-21.59	-	-	-	-	274	255	H
6	* 3.547	44.47	PK1	33.1	-31.3	0	46.27	-	-	74	-27.73	-	-	240	264	V
	* 3.547	38.86	AD1	33.1	-31.3	0	40.66	54	-13.34	-	-	-	-	240	264	V
7	* 4.81	39.55	PK1	34	-29	0	44.55	-	-	74	-29.45	-	-	240	200	V
	* 4.809	28.35	AD1	34	-29	0	33.35	54	-20.65	-	-	-	-	240	200	V
3	6.044	41.5	PK1	35.3	-18.6	0	58.2	-	-	-	-	68.2	-10	5	250	H
4	7.093	40.98	PK1	35.3	-27.9	0	48.38	-	-	-	-	68.2	-19.82	324	186	H
8	7.093	39.14	PK1	35.3	-27.9	0	46.54	-	-	-	-	68.2	-21.66	352	215	V
9	7.797	35.37	PK1	35.5	-25.2	0	45.67	-	-	-	-	68.2	-22.53	352	200	V
5	9.966	33.52	PK1	37.1	-23.4	0	47.22	-	-	-	-	68.2	-20.98	324	202	H
10	10.425	33.09	PK1	37.4	-21.7	0	48.79	-	-	-	-	68.2	-19.41	352	200	V

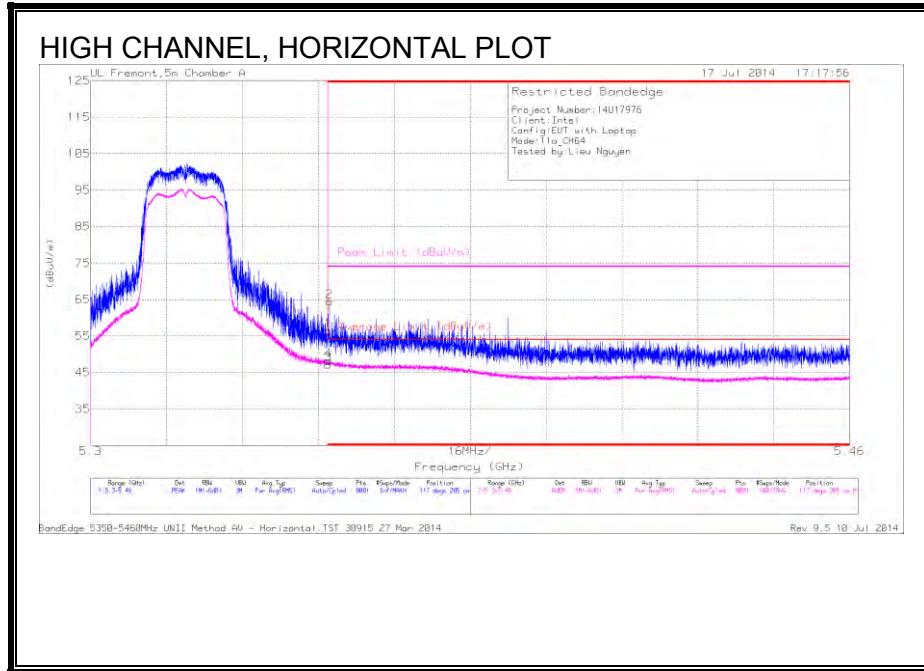
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

### BANDEDGE (HIGH CHANNEL)



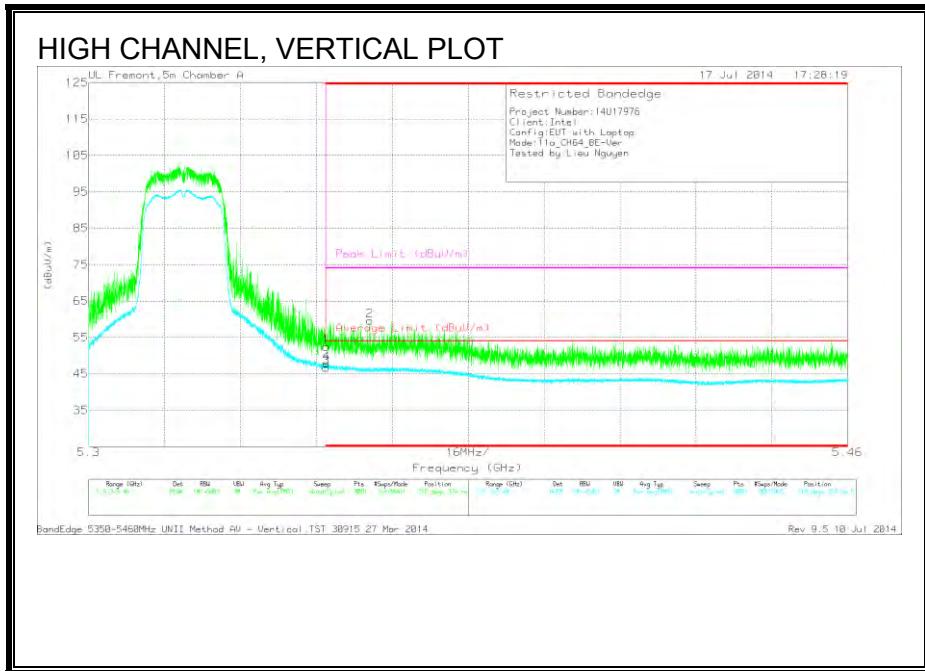
### Trace Markers

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	* 5.35	41.74	PK	34.3	-19.6	0	56.44	-	-	74	-17.56	117	205	H
2	* 5.35	49.69	PK	34.3	-19.6	0	64.39	-	-	74	-9.61	117	205	H
3	* 5.35	32.54	RMS	34.3	-19.6	0	47.24	54	-6.76	-	-	117	205	H
4	* 5.35	33.49	RMS	34.3	-19.6	0	48.19	54	-5.81	-	-	117	205	H

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

PK - Peak detector

RMS - RMS detection



### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/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	* 5.35	37.67	PK	34.3	-19.6	0	52.37	-	-	74	-21.63	218	324	V
2	* 5.359	45.12	PK	34.3	-19.8	0	59.62	-	-	74	-14.38	218	324	V
3	* 5.35	32	RMS	34.3	-19.6	0	46.7	54	-7.3	-	-	218	324	V
4	* 5.35	33.15	RMS	34.3	-19.6	0	47.85	54	-6.15	-	-	218	324	V

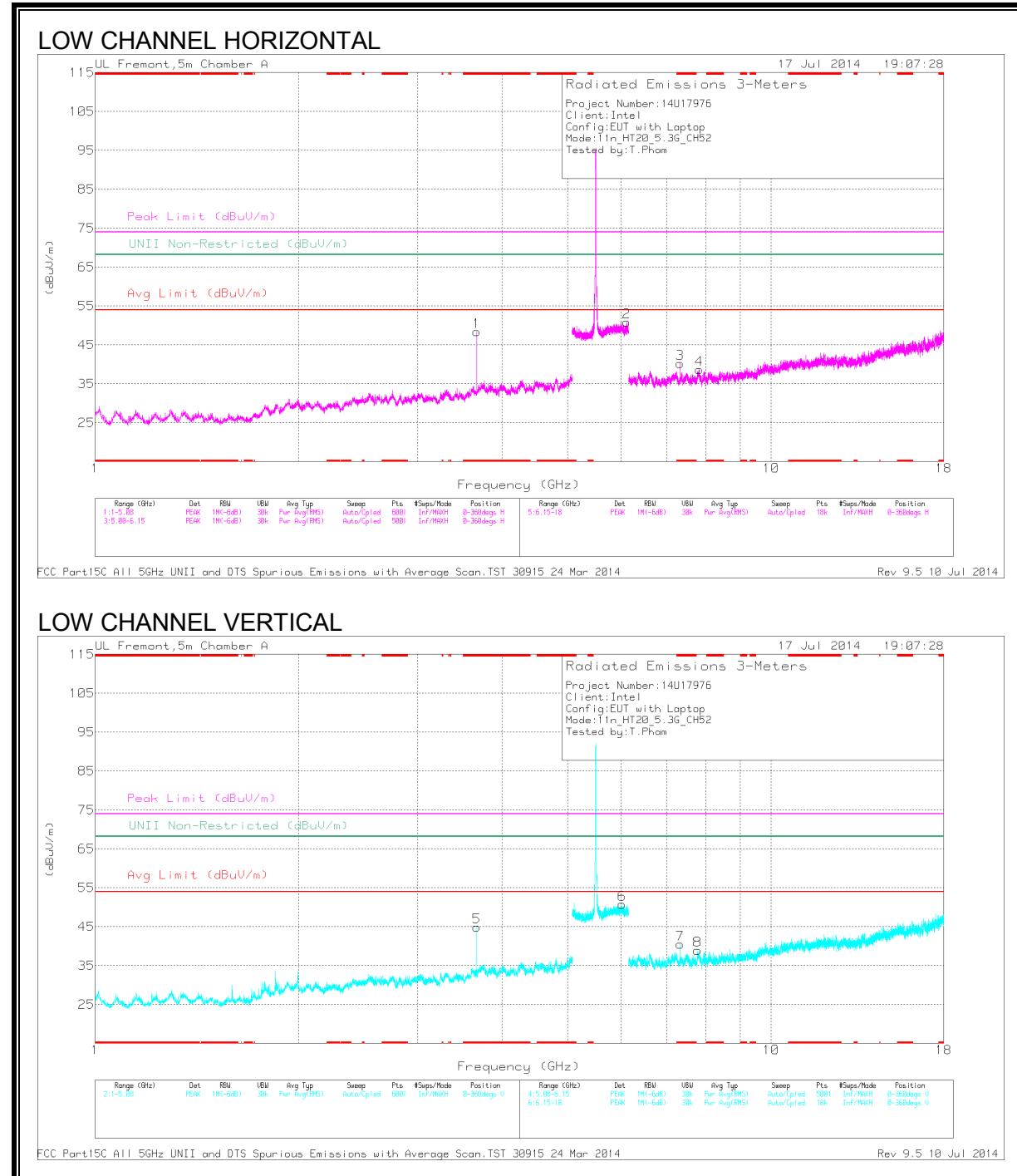
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### ▪ LOW CHANNEL



## 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)	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	* 3.667	49.61	PK1	33.3	-32.2	0	50.71	-	-	74	-23.29	-	-	128	197	H
	* 3.667	46.57	AD1	33.3	-32.2	0	47.67	54	-6.33	-	-	-	-	128	197	H
5	* 3.667	49.45	PK1	33.3	-32.2	0	50.55	-	-	74	-23.45	-	-	72	353	V
	* 3.667	46.63	AD1	33.3	-32.2	0	47.73	54	-6.27	-	-	-	-	72	353	V
3	* 7.333	40.45	PK1	35.2	-26.7	0	48.95	-	-	74	-25.05	-	-	316	205	H
	* 7.333	32.25	AD1	35.2	-26.7	0	40.75	54	-13.25	-	-	-	-	316	205	H
7	* 7.333	38.51	PK1	35.2	-26.7	0	47.01	-	-	74	-26.99	-	-	6	125	V
	* 7.333	30.59	AD1	35.2	-26.7	0	39.09	54	-14.91	-	-	-	-	6	125	V
6	6.017	41.91	PK1	35.3	-18.9	0	58.31	-	-	-	-	68.2	-9.89	72	100	V
2	6.117	41.47	PK1	35.4	-18.6	0	58.27	-	-	-	-	68.2	-9.93	72	200	H
8	7.783	36.56	PK1	35.5	-25.5	0	46.56	-	-	-	-	68.2	-21.64	6	253	V
4	7.826	35.11	PK1	35.5	-24.8	0	45.81	-	-	-	-	68.2	-22.39	316	201	H

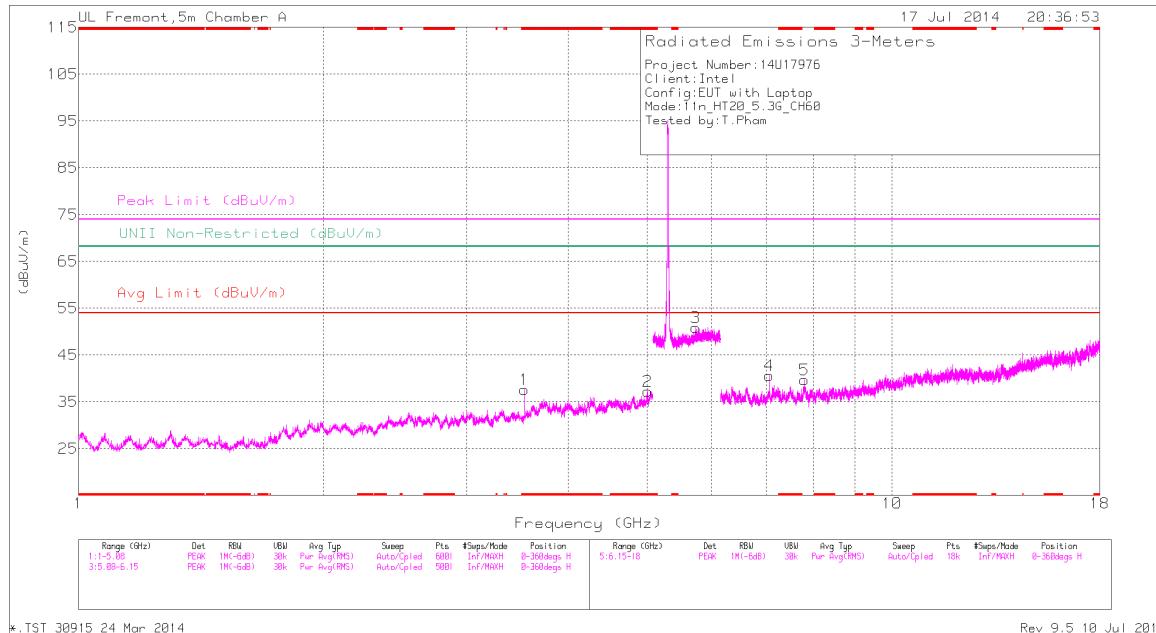
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

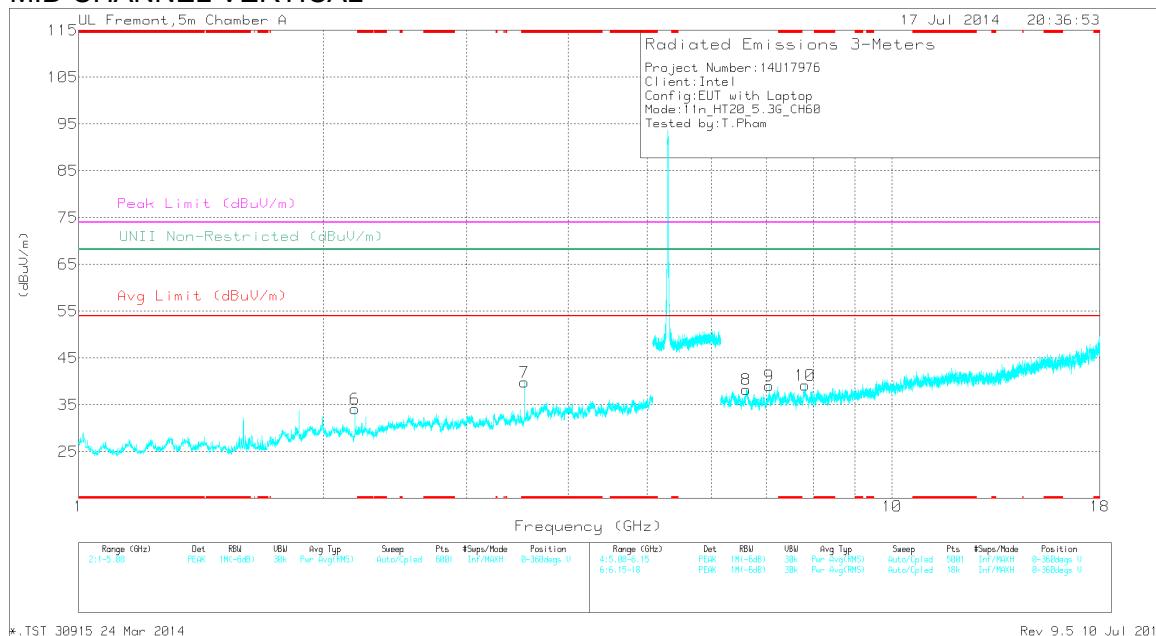
AD1 - KDB789033 Method: AD Primary Power Average

▪ MID CHANNEL

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



## Trace Markers

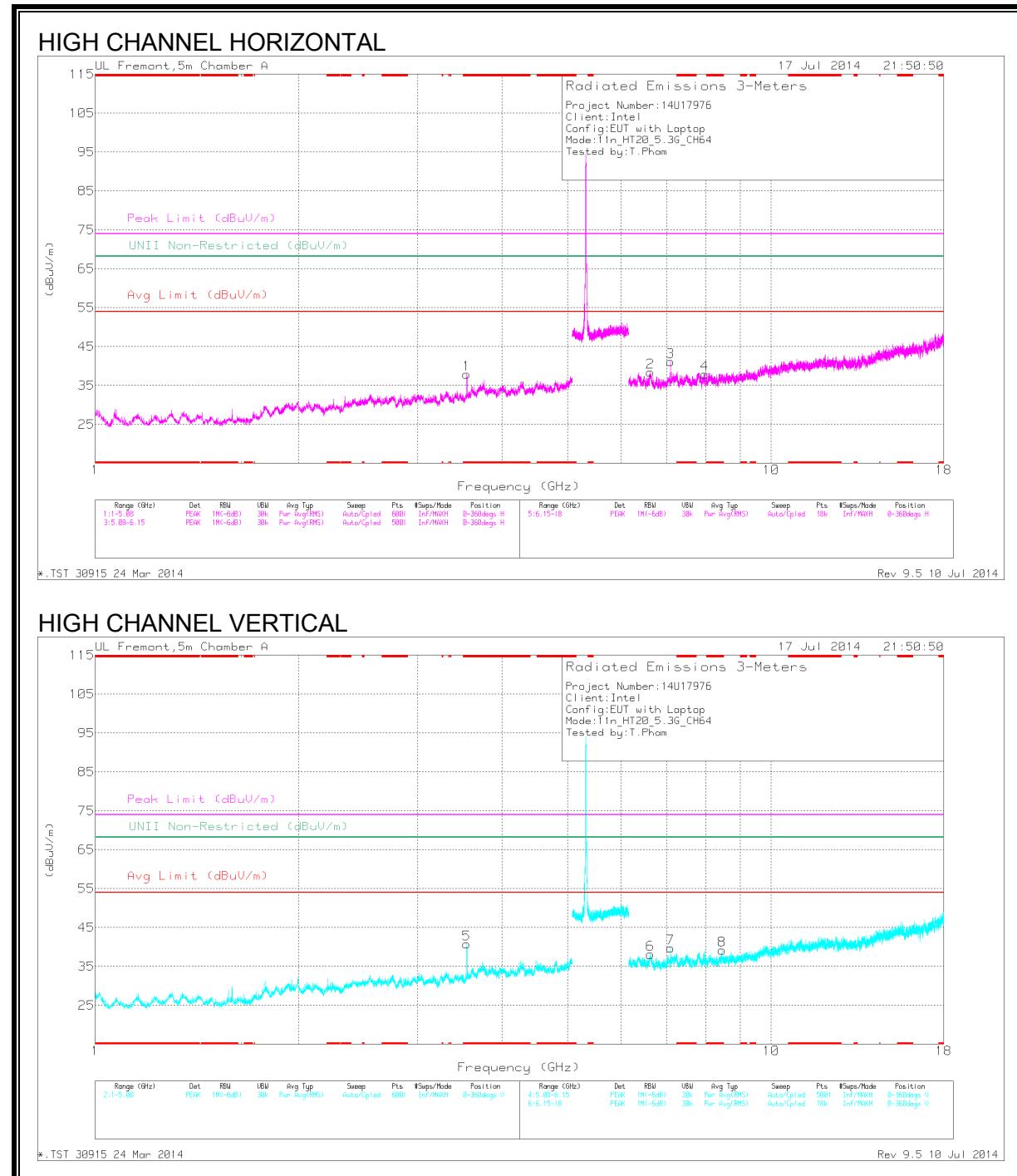
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.534	43.69	PK1	33.1	-31.7	0	45.09	-	-	74	-28.91	-	-	333	323	H
	* 3.533	37.08	AD1	33.1	-31.7	0	38.48	54	-15.52	-	-	-	-	333	323	H
2	* 5.004	39.12	PK1	33.9	-28.6	0	44.42	-	-	74	-29.58	-	-	333	200	H
	* 5.007	27.94	AD1	33.9	-28.7	0	33.14	54	-20.86	-	-	-	-	333	200	H
7	* 3.533	44.76	PK1	33.1	-31.7	0	46.16	-	-	74	-27.84	-	-	246	269	V
	* 3.533	38.92	AD1	33.1	-31.7	0	40.32	54	-13.68	-	-	-	-	246	269	V
6	2.186	41.56	PK1	31.3	-34.6	0	38.26	-	-	-	-	68.2	-29.94	329	321	V
3	5.74	42.42	PK1	34.6	-19.4	0	57.62	-	-	-	-	68.2	-10.58	246	100	H
8	6.615	36.66	PK1	35.5	-25.7	0	46.46	-	-	-	-	68.2	-21.74	246	100	V
4	7.067	37.08	PK1	35.3	-26.8	0	45.58	-	-	-	-	68.2	-22.62	246	202	H
9	7.067	36.48	PK1	35.3	-26.8	0	44.98	-	-	-	-	68.2	-23.22	246	373	V
5	7.807	35.63	PK1	35.5	-24.7	0	46.43	-	-	-	-	68.2	-21.77	246	237	H
10	7.822	35.77	PK1	35.5	-24.4	0	46.87	-	-	-	-	68.2	-21.33	246	381	V

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ HIGH CHANNEL



## 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)	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	* 3.547	42.96	PK1	33.1	-31.3	0	44.76	-	-	74	-29.24	-	-	42	328	H
	* 3.547	36.56	AD1	33.1	-31.3	0	38.36	54	-15.64	-	-	-	-	42	328	H
5	* 3.546	44.5	PK1	33.1	-31.3	0	46.3	-	-	74	-27.7	-	-	247	263	V
	* 3.547	39.24	AD1	33.1	-31.3	0	41.04	54	-12.96	-	-	-	-	247	263	V
8	* 8.455	35.63	PK1	35.7	-25.5	0	45.83	-	-	74	-28.17	-	-	5	316	V
	* 8.453	24.31	AD1	35.7	-25.5	0	34.51	54	-19.49	-	-	-	-	5	316	V
2	6.62	36.37	PK1	35.5	-25.9	0	45.97	-	-	-	-	68.2	-22.23	247	339	H
6	6.626	36.26	PK1	35.4	-25.8	0	45.86	-	-	-	-	68.2	-22.34	170	100	V
3	7.093	40.93	PK1	35.3	-27.9	0	48.33	-	-	-	-	68.2	-19.87	317	186	H
7	7.093	39.9	PK1	35.3	-27.9	0	47.3	-	-	-	-	68.2	-20.9	9	100	V
4	7.978	36.28	PK1	35.5	-25.7	0	46.08	-	-	-	-	68.2	-22.12	170	310	H

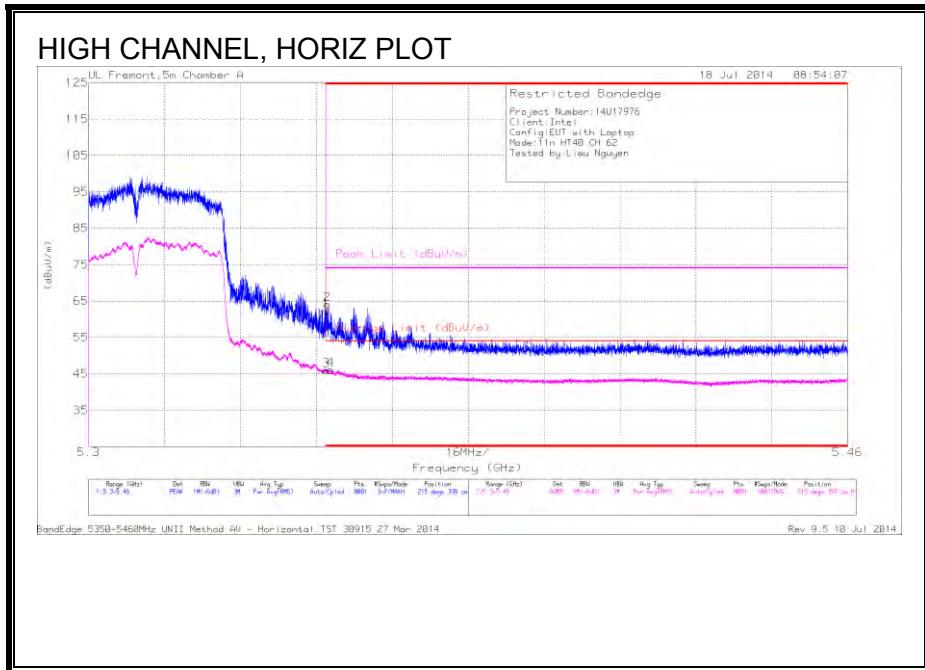
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

## 9.2.6. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND

### BANDEDGE (HIGH CHANNEL)



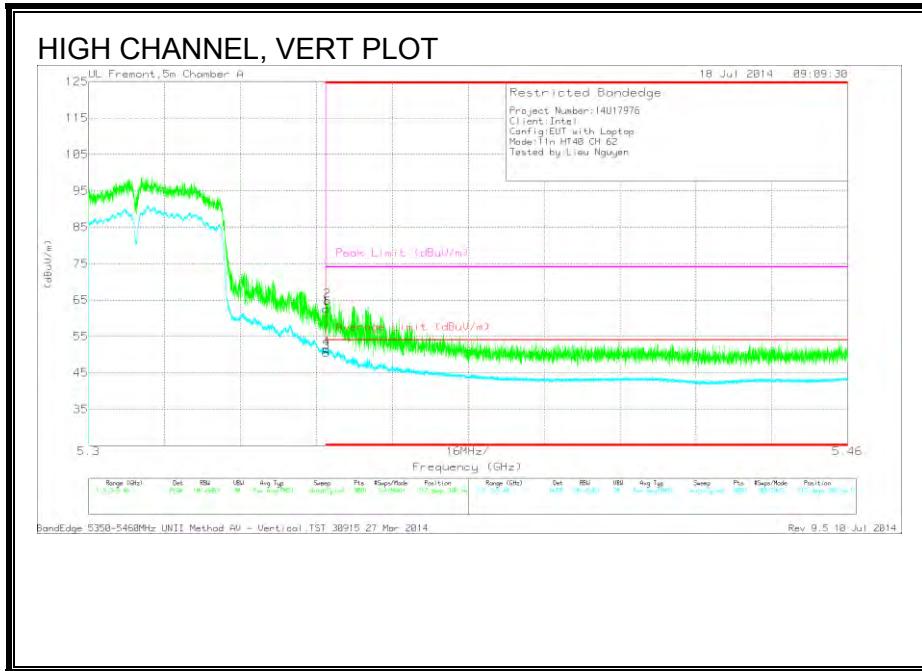
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/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	* 5.35	47.68	PK	34.3	-19.6	0	62.38	-	-	74	-11.62	215	399	H
2	* 5.35	49.34	PK	34.3	-19.6	0	64.04	-	-	74	-9.96	215	399	H
3	* 5.35	31.26	RMS	34.3	-19.6	0.75	46.71	54	-7.29	-	-	215	399	H
4	* 5.351	31.43	RMS	34.3	-19.6	0.75	46.88	54	-7.12	46.88	54	-7.12	46.88	54

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

PK - Peak detector

RMS - RMS detection



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/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	47.92	PK	34.3	-19.6	0	62.62	-	-	74	-11.38	212	398	V
2	* 5.35	50.14	PK	34.3	-19.6	0	64.84	-	-	74	-9.16	212	398	V
3	* 5.35	35.81	RMS	34.3	-19.6	0.75	51.26	54	-2.74	-	-	212	398	V
4	* 5.35	36.89	RMS	34.3	-19.6	0.75	52.34	54	-1.66	-	-	212	398	V

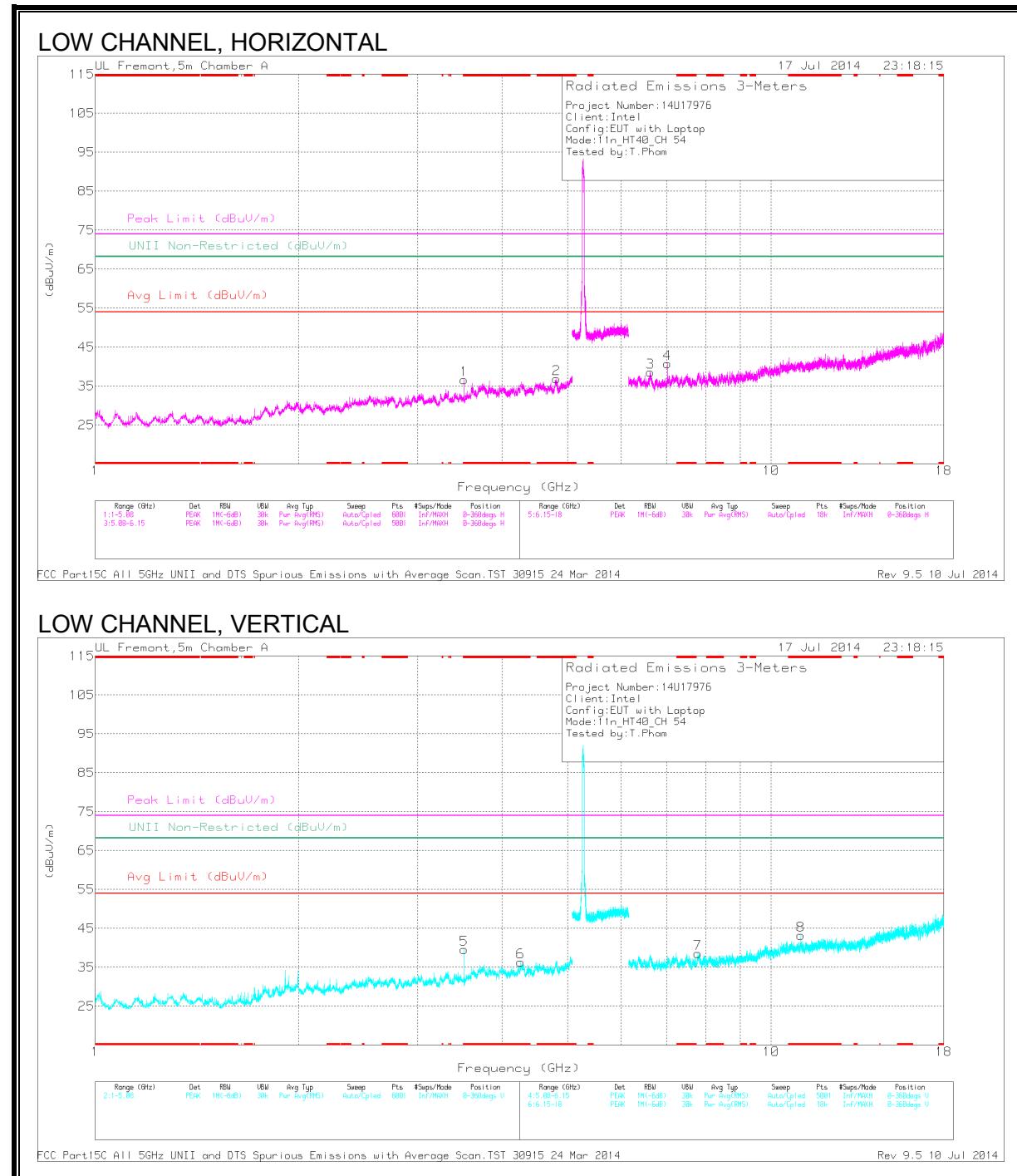
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

## **HARMONICS AND SPURIOUS EMISSIONS**

### **▪ LOW CHANNEL**



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Dct	AF T136 (dB/m)	Amp/Cbl/Fit 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	* 3.513	43.9	PK1	33.1	-32.2	0	44.8	-	-	74	-29.2	-	-	45	294	H
	* 3.513	36.71	AD1	33.1	-32.2	.75	38.36	54	-15.64	-	-	-	-	45	294	H
2	* 4.809	39.73	PK1	34	-29	0	44.73	-	-	74	-29.27	-	-	45	100	H
	* 4.809	28.32	AD1	34	-29	.75	34.07	54	-19.93	-	-	-	-	45	100	H
5	* 3.513	44.84	PK1	33.1	-32.2	0	45.74	-	-	74	-28.26	-	-	276	231	V
	* 3.513	37.78	AD1	33.1	-32.2	.75	39.43	54	-14.57	-	-	-	-	276	231	V
6	* 4.264	38.84	PK1	34	-28.2	0	44.64	-	-	74	-29.36	-	-	276	300	V
	* 4.265	26.67	AD1	34	-28.2	.75	33.22	54	-20.78	-	-	-	-	276	300	V
8	* 11.056	32.89	PK1	37.7	-21.7	0	48.89	-	-	74	-25.11	-	-	35	200	V
	* 11.056	22.46	AD1	37.7	-21.7	.75	39.19	54	-14.81	-	-	-	-	35	200	V
3	6.624	36.75	PK1	35.5	-25.8	0	46.45	-	-	-	-	68.2	-21.75	276	200	H
4	7.026	38.95	PK1	35.3	-26.8	0	47.45	-	-	-	-	68.2	-20.75	309	236	H
7	7.791	35.07	PK1	35.5	-25.3	0	45.27	-	-	-	-	68.2	-22.93	35	200	V

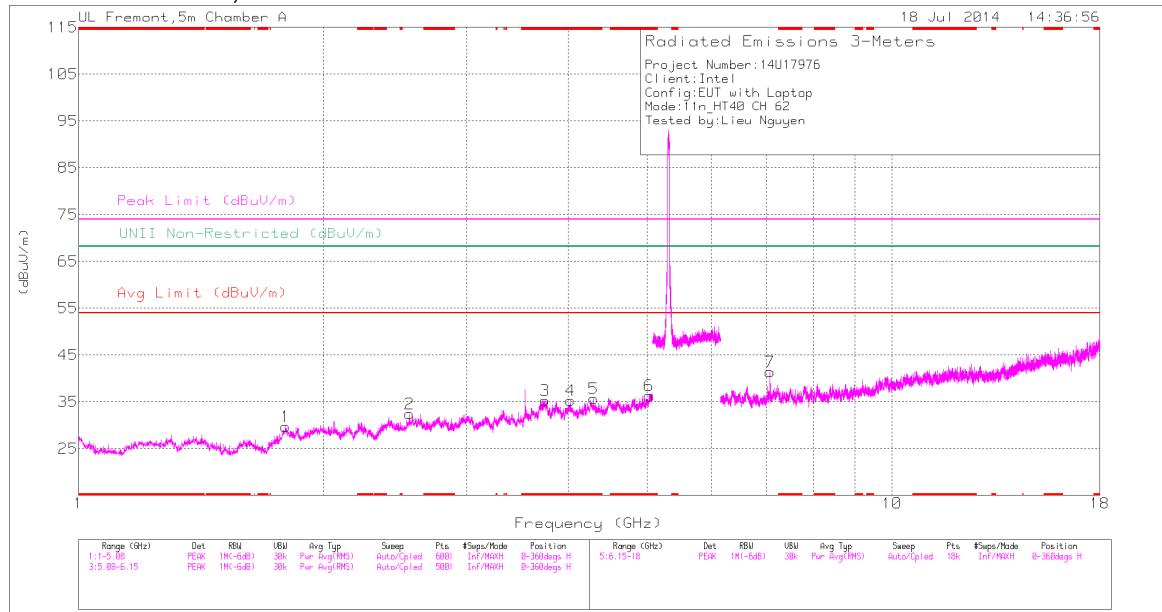
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

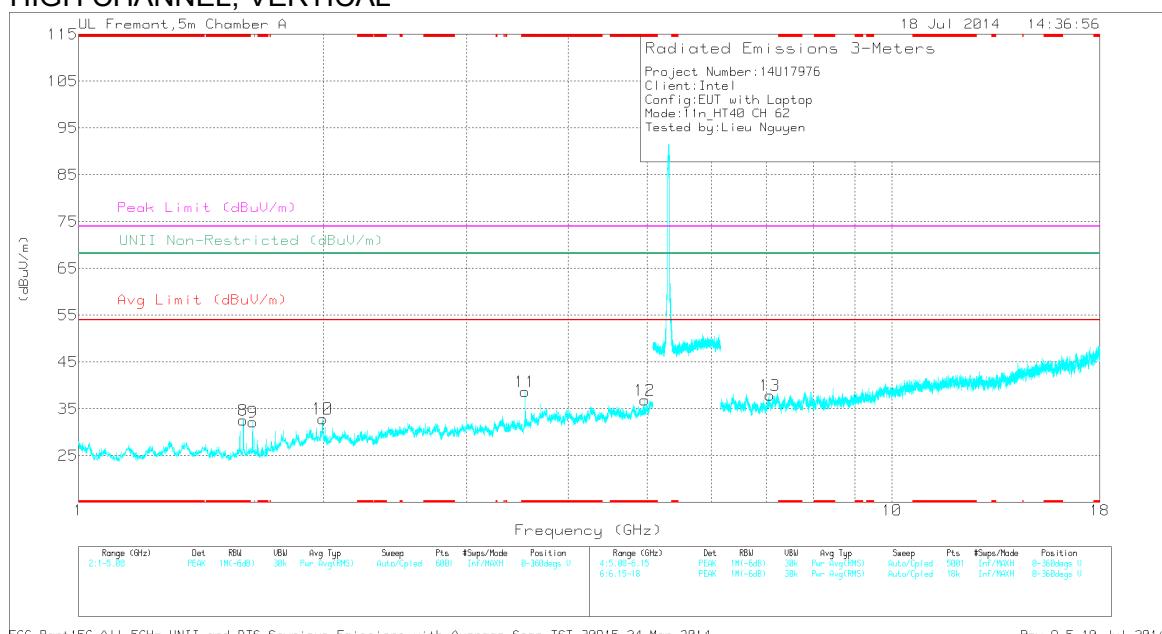
AD1 - KDB789033 Method: AD Primary Power Average

▪ HIGH CHANNEL

HIGH CHANNEL, HORIZONTAL



HIGH CHANNEL, VERTICAL



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/Cbl/Fit 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
3	* 3.745	38.57	PK1	33.5	-30	0	42.07	-	-	74	-31.93	-	-	209	169	H
	* 3.746	27.5	AD1	33.5	-30	.75	31.75	54	-22.25	-	-	-	-	209	169	H
4	* 4.022	38.19	PK1	33.7	-29.9	0	41.99	-	-	74	-32.01	-	-	102	148	H
	* 4.024	26.78	AD1	33.7	-30	.75	31.23	54	-22.77	-	-	-	-	102	148	H
5	* 4.297	38.83	PK1	34	-29.7	0	43.13	-	-	74	-30.87	-	-	97	317	H
	* 4.301	27.44	AD1	34	-29.8	.75	32.39	54	-21.61	-	-	-	-	97	317	H
6	* 5.029	38.73	PK1	33.8	-28.2	0	44.33	-	-	74	-29.67	-	-	0	273	H
	* 5.03	27.33	AD1	33.8	-28.1	.75	33.78	54	-20.22	-	-	-	-	0	273	H
8	* 1.595	49.57	PK1	28.8	-35.6	0	42.77	-	-	74	-31.23	-	-	172	216	V
	* 1.596	30.74	AD1	28.8	-35.6	.75	24.69	54	-29.31	-	-	-	-	172	216	V
11	* 3.54	43.03	PK1	33.1	-31.7	0	44.43	-	-	74	-29.57	-	-	254	306	V
	* 3.54	36.7	AD1	33.1	-31.7	.75	38.85	54	-15.15	-	-	-	-	254	306	V
12	* 4.961	38.66	PK1	33.9	-29.1	0	43.46	-	-	74	-30.54	-	-	2	114	V
	* 4.96	26.97	AD1	33.9	-29.1	.75	32.52	54	-21.48	-	-	-	-	2	114	V
9	1.635	42.11	PK1	28.9	-35.9	0	35.11	-	-	-	-	68.2	-33.09	310	294	V
1	1.798	41.62	PK1	30.5	-34.4	0	37.72	-	-	-	-	68.2	-30.48	80	167	H
10	1.993	44.05	PK1	32.1	-34.9	0	41.25	-	-	-	-	68.2	-26.95	108	117	V
2	2.552	39.99	PK1	32.9	-32.6	0	40.29	-	-	-	-	68.2	-27.91	203	186	H
7	7.08	39.98	PK1	35.3	-27.7	0	47.58	-	-	-	-	68.2	-20.62	317	211	H
13	7.08	38.51	PK1	35.3	-27.7	0	46.11	-	-	-	-	68.2	-22.09	7	186	V

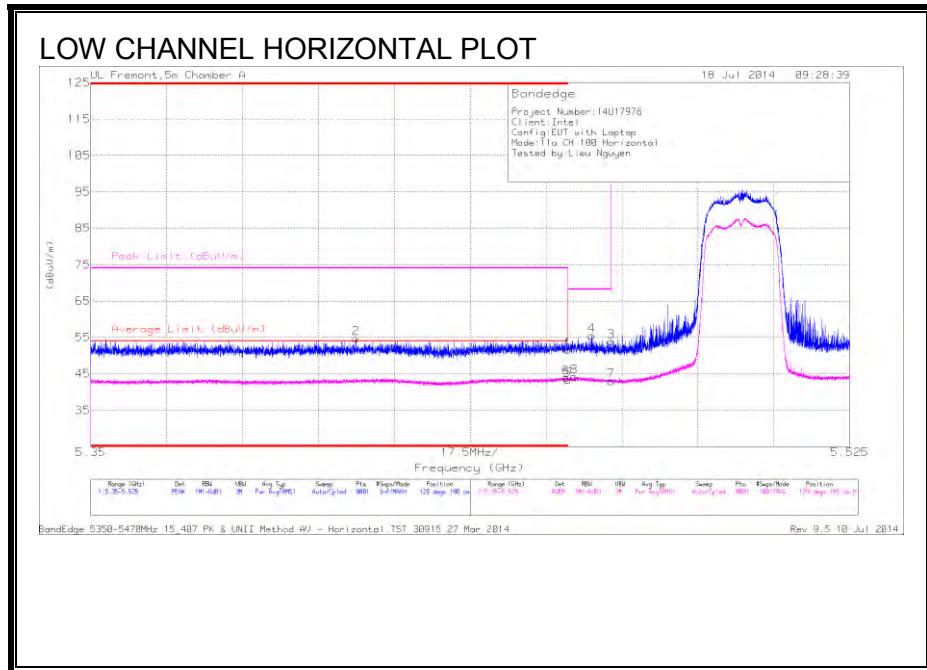
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

### 9.2.7. TX ABOVE 1 GHz 802.11a MODE IN THE 5.6 GHz BAND

#### BANDEDGE (LOW CHANNEL)



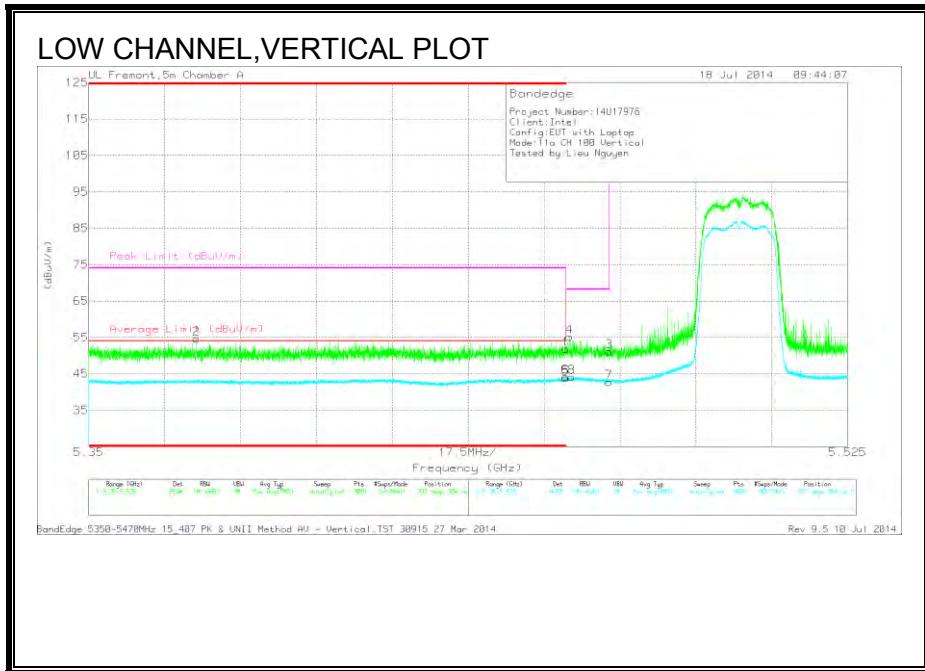
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/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	37.07	PK	34.4	-19.8	0	51.67	-	-	74	-22.33	129	188	H
2	* 5.411	39.97	PK	34.4	-19.6	0	54.77	-	-	74	-19.23	129	188	H
5	* 5.46	28.74	RMS	34.4	-19.8	0	43.34	54	-10.66	-	-	129	188	H
6	* 5.46	29.38	RMS	34.4	-19.8	0	43.98	54	-10.02	-	-	129	188	H
8	5.461	29.47	RMS	34.4	-19.7	0	44.17	-	-	-	-	129	188	H
4	5.466	41.04	PK	34.4	-19.9	0	55.54	-	-	68.2	-12.66	129	188	H
3	5.47	39.77	PK	34.4	-20.3	0	53.87	-	-	68.2	-14.33	129	188	H
7	5.47	28.93	RMS	34.4	-20.3	0	43.03	-	-	-	-	129	188	H

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

PK - Peak detector

RMS - RMS detection



### Trace Markers

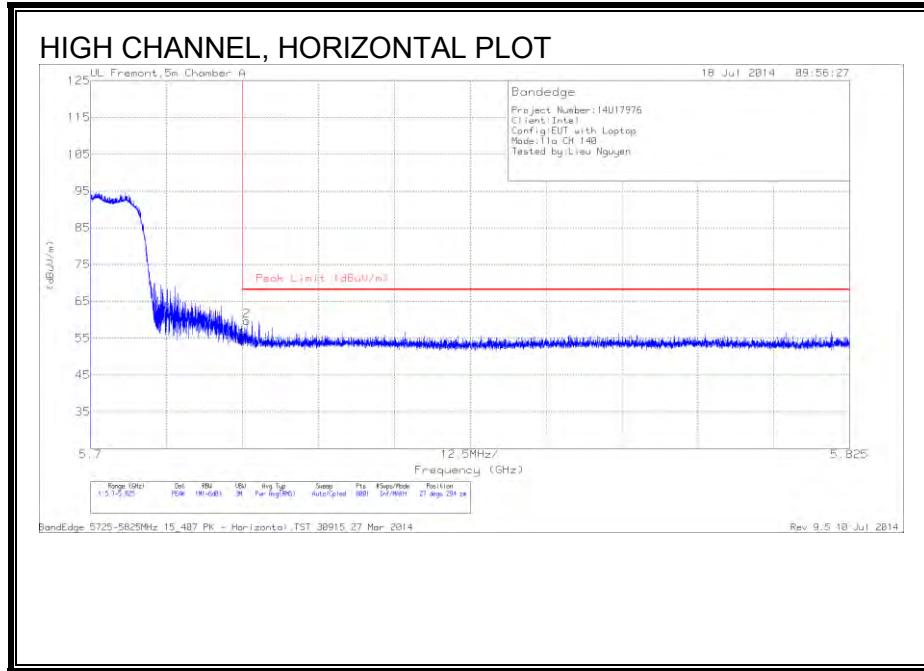
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	37.21	PK	34.4	-19.8	0	51.81	-	-	74	-22.19	337	304	V
2	* 5.375	39.95	PK	34.3	-19.6	0	54.65	-	-	74	-19.35	337	304	V
5	* 5.46	29.19	RMS	34.4	-19.8	0	43.79	54	-10.21	-	-	337	304	V
6	* 5.46	29.66	RMS	34.4	-19.8	0	44.26	54	-9.74	-	-	337	304	V
4	5.461	40.44	PK	34.4	-19.7	0	55.14	-	-	68.2	-13.06	337	304	V
8	5.461	29.44	RMS	34.4	-19.7	0	44.14	-	-	-	-	337	304	V
3	5.47	37.01	PK	34.4	-20.3	0	51.11	-	-	68.2	-17.09	337	304	V
7	5.47	28.63	RMS	34.4	-20.3	0	42.73	-	-	-	-	337	304	V

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

PK - Peak detector

RMS - RMS detection

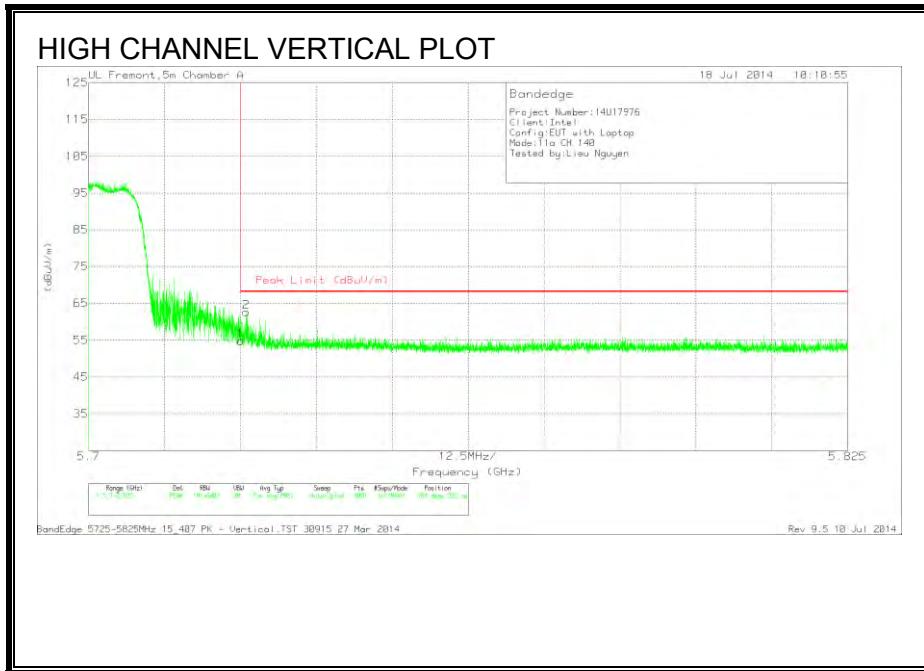
**BANDEDGE (HIGH CHANNEL)**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dB <sub>µV</sub> )	Det	AF T136 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dB <sub>µV/m</sub> )	Peak Limit (dB <sub>µV/m</sub> )	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.52	PK	34.6	-19.6	0	54.52	68.2	-13.68	27	294	H
2	5.726	44.82	PK	34.6	-19.7	0	59.72	68.2	-8.48	27	294	H

PK - Peak detector



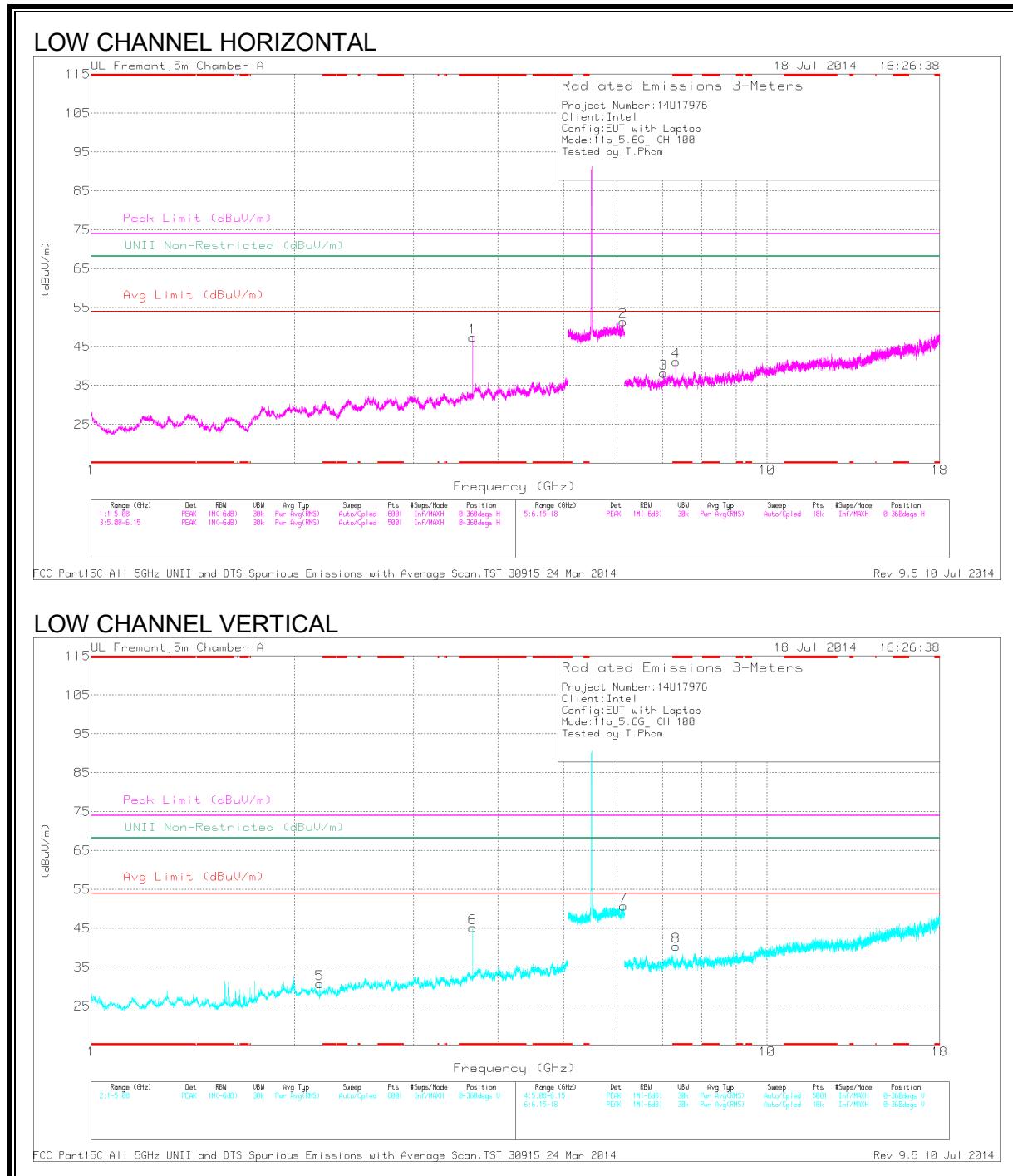
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.83	PK	34.6	-19.6	0	54.83	68.2	-13.37	188	262	V
2	5.726	47.7	PK	34.6	-19.7	0	62.6	68.2	-5.6	188	262	V

PK - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### ▪ LOW CHANNEL



## 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)	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	* 3.667	49.77	PK1	33.3	-32.2	0	50.87	-	-	74	-23.13	-	-	133	206	H
	* 3.667	47.29	AD1	33.3	-32.2	0	48.39	54	-5.61	-	-	-	-	133	206	H
6	* 3.667	48.63	PK1	33.3	-32.2	0	49.73	-	-	74	-24.27	-	-	235	322	V
	* 3.667	45.86	AD1	33.3	-32.2	0	46.96	54	-7.04	-	-	-	-	235	322	V
4	* 7.333	39.65	PK1	35.2	-26.7	0	48.15	-	-	74	-25.85	-	-	332	202	H
	* 7.333	31.64	AD1	35.2	-26.7	0	40.14	54	-13.86	-	-	-	-	332	202	H
8	* 7.333	38.76	PK1	35.2	-26.7	0	47.26	-	-	74	-26.74	-	-	0	186	V
	* 7.333	29.99	AD1	35.2	-26.7	0	38.49	54	-15.51	-	-	-	-	0	186	V
5	2.182	43.33	PK1	31.4	-34.7	0	40.03	-	-	-	-	68.2	-28.17	182	304	V
2	6.119	41.16	PK1	35.4	-18.4	0	58.16	-	-	-	-	68.2	-10.04	355	129	H
7	6.13	40.83	PK1	35.4	-18.9	0	57.33	-	-	-	-	68.2	-10.87	355	240	V
3	7.024	36.08	PK1	35.3	-26.9	0	44.48	-	-	-	-	68.2	-23.72	360	100	H

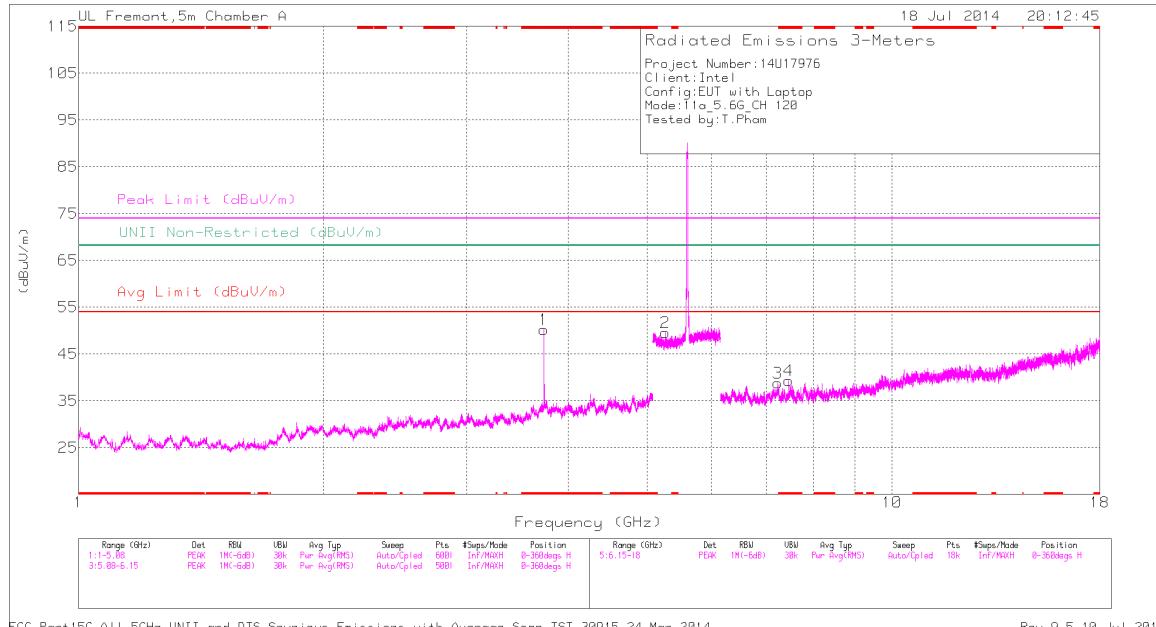
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

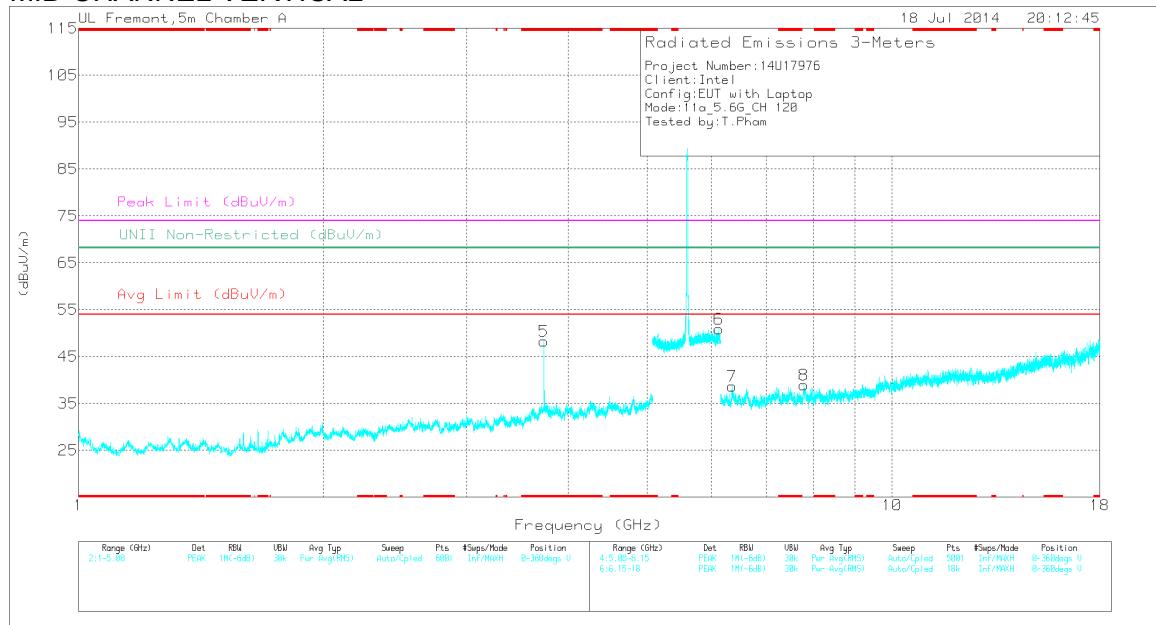
AD1 - KDB789033 Method: AD Primary Power Average

▪ MID CHANNEL

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



## 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)	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	* 3.733	50.21	PK1	33.5	-29.9	0	53.81	-	-	74	-20.19	-	-	134	226	H
	* 3.733	48.2	AD1	33.5	-30	0	51.7	54	-2.3	-	-	-	-	134	226	H
5	* 3.733	49.43	PK1	33.5	-30	0	52.93	-	-	74	-21.07	-	-	243	318	V
	* 3.733	46.95	AD1	33.5	-29.9	0	50.55	54	-3.45	-	-	-	-	243	318	V
4	* 7.467	39.05	PK1	35.3	-26	0	48.35	-	-	74	-25.65	-	-	333	156	H
	* 7.467	31.36	AD1	35.3	-26	0	40.66	54	-13.34	-	-	-	-	333	156	H
2	5.261	41.68	PK1	34.2	-19.8	0	56.08	-	-	-	-	68.2	-12.12	243	200	H
6	6.12	40.98	PK1	35.4	-18.2	0	58.18	-	-	-	-	68.2	-10.02	243	224	V
7	6.357	37	PK1	35.5	-27.3	0	45.2	-	-	-	-	68.2	-23	333	202	V
3	7.238	35.97	PK1	35.2	-25	0	46.17	-	-	-	-	68.2	-22.03	243	200	H
8	7.797	36.09	PK1	35.5	-25.2	0	46.39	-	-	-	-	68.2	-21.81	333	100	V

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

PK1 - KDB789033 Method: Peak

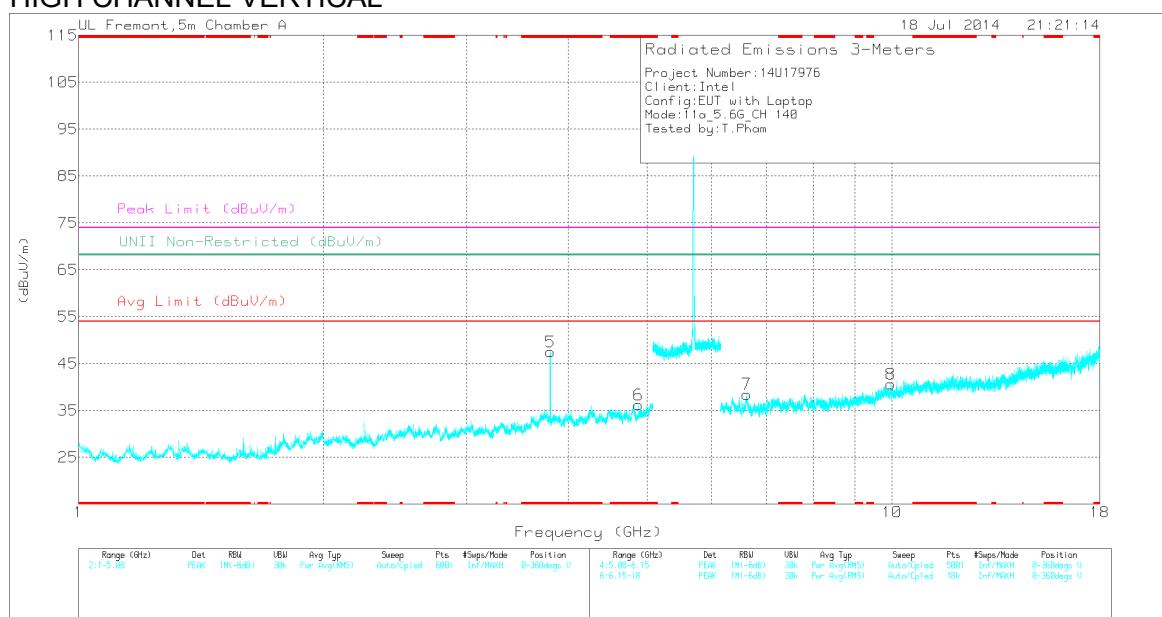
AD1 - KDB789033 Method: AD Primary Power Average

▪ HIGH CHANNEL

**HIGH CHANNEL HORIZONTAL**



**HIGH CHANNEL VERTICAL**



## Trace Markers

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/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
* 3.8	50.26	PK1	33.6	-31.4	0	52.46	-	-	74	-21.54	-	-	131	218	H
* 3.8	47.83	AD1	33.6	-31.4	0	50.03	54	-3.97	-	-	-	-	131	218	H
* 4.266	37.24	PK1	34	-28.3	0	42.94	-	-	74	-31.06	-	-	131	200	H
* 4.266	26.88	AD1	34	-28.3	0	32.58	54	-21.42	-	-	-	-	131	200	H
* 3.8	50.18	PK1	33.6	-31.4	0	52.38	-	-	74	-21.62	-	-	243	353	V
* 3.8	47.89	AD1	33.6	-31.4	0	50.09	54	-3.91	-	-	-	-	243	353	V
* 4.882	37.46	PK1	34	-28.7	0	42.76	-	-	74	-31.24	-	-	243	100	V
* 4.883	26.35	AD1	34	-28.8	0	31.55	54	-22.45	-	-	-	-	243	100	V
6.609	36.08	PK1	35.5	-25.6	0	45.98	-	-	-	-	68.2	-22.22	243	100	H
6.629	36.12	PK1	35.4	-25.8	0	45.72	-	-	-	-	68.2	-22.48	243	202	V
7.816	35.39	PK1	35.5	-24.4	0	46.49	-	-	-	-	68.2	-21.71	243	202	H
9.958	33.39	PK1	37.1	-23.2	0	47.29	-	-	-	-	68.2	-20.91	243	100	V

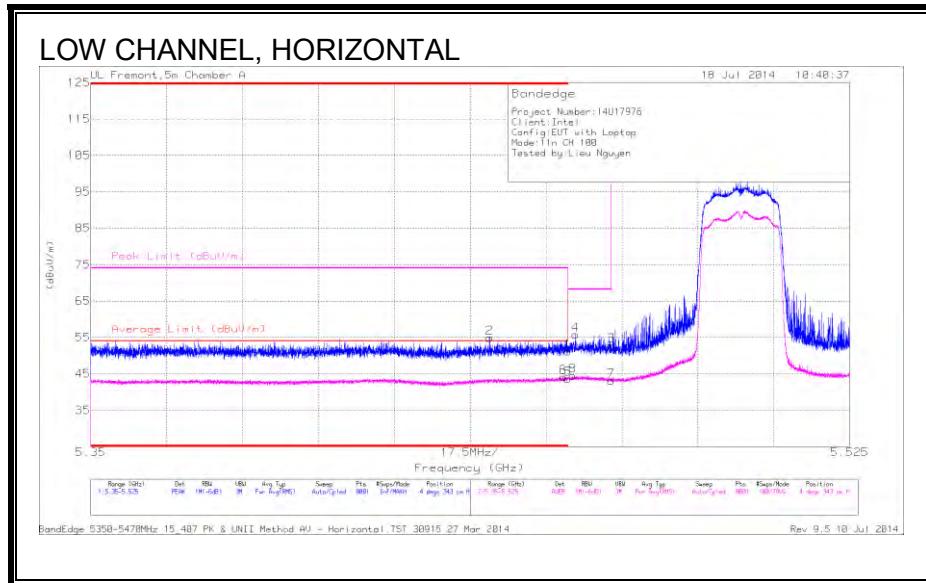
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

## 9.2.8. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND

### BANDEDGE (LOW CHANNEL)



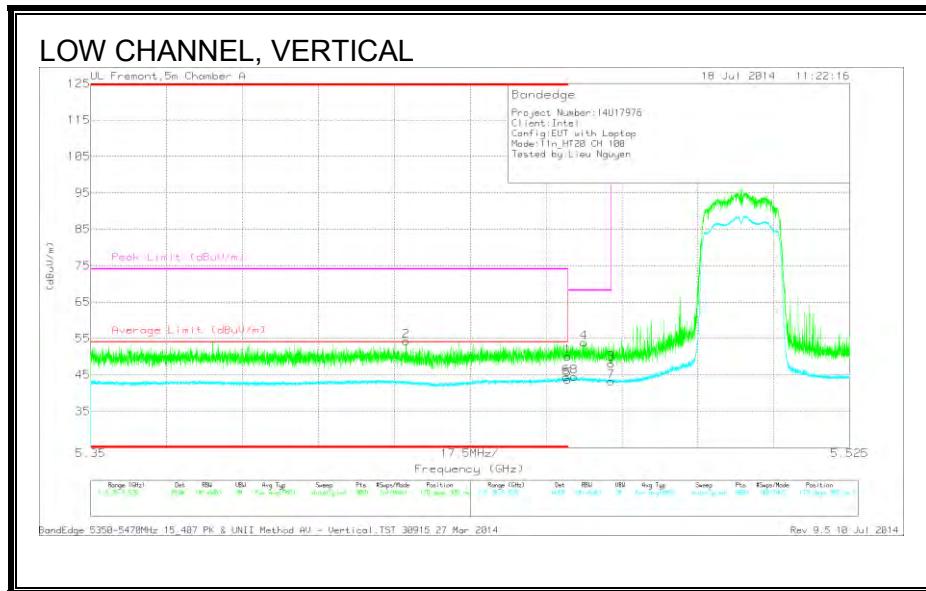
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/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	36.57	PK	34.4	-19.8	0	51.17	-	-	74	-22.83	4	343	H
2	* 5.442	40.41	PK	34.4	-19.9	0	54.91	-	-	74	-19.09	4	343	H
5	* 5.46	28.97	RMS	34.4	-19.8	0	43.57	54	-10.43	-	-	4	343	H
6	* 5.459	29.47	RMS	34.4	-19.8	0	44.07	54	-9.93	-	-	4	343	H
8	5.461	29.73	RMS	34.4	-19.7	0	44.43	-	-	-	-	4	343	H
4	5.462	41.05	PK	34.4	-19.7	0	55.75	-	-	68.2	-12.45	4	343	H
3	5.47	38.69	PK	34.4	-20.3	0	52.79	-	-	68.2	-15.41	4	343	H
7	5.47	28.94	RMS	34.4	-20.3	0	43.04	-	-	-	-	4	343	H

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

PK - Peak detector

RMS - RMS detection



### Trace Markers

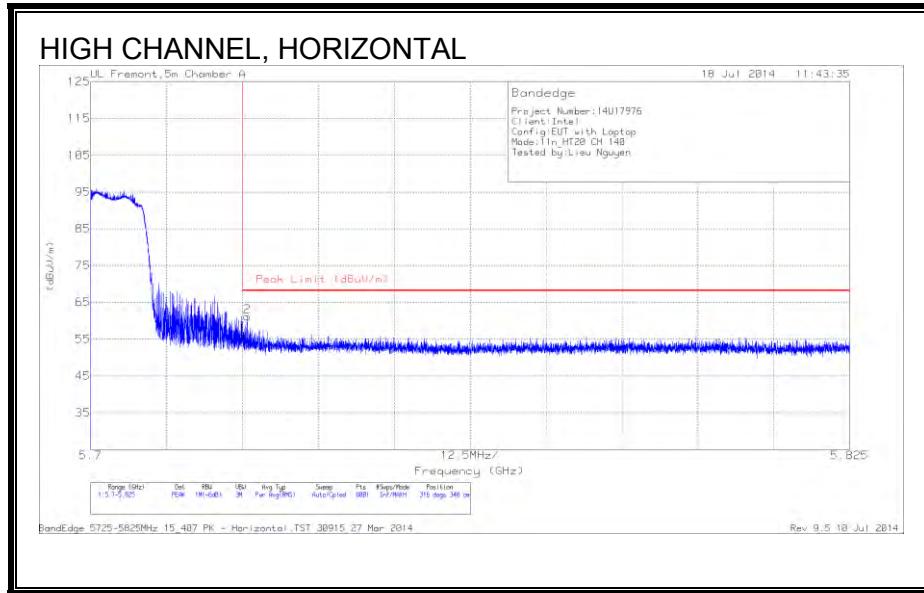
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	35.49	PK	34.4	-19.8	0	50.09	-	-	74	-23.91	179	309	V
2	* 5.423	39.72	PK	34.4	-19.8	0	54.32	-	-	74	-19.68	179	309	V
5	* 5.46	29.13	RMS	34.4	-19.8	0	43.73	54	-10.27	-	-	179	309	V
6	* 5.46	29.71	RMS	34.4	-19.8	0	44.31	54	-9.69	-	-	179	309	V
8	5.461	29.76	RMS	34.4	-19.7	0	44.46	-	-	-	-	179	309	V
4	5.464	39.28	PK	34.4	-19.8	0	53.88	-	-	68.2	-14.32	179	309	V
3	5.47	33.91	PK	34.4	-20.3	0	48.01	-	-	68.2	-20.19	179	309	V
7	5.47	29.16	RMS	34.4	-20.3	0	43.26	-	-	-	-	179	309	V

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

PK - Peak detector

RMS - RMS detection

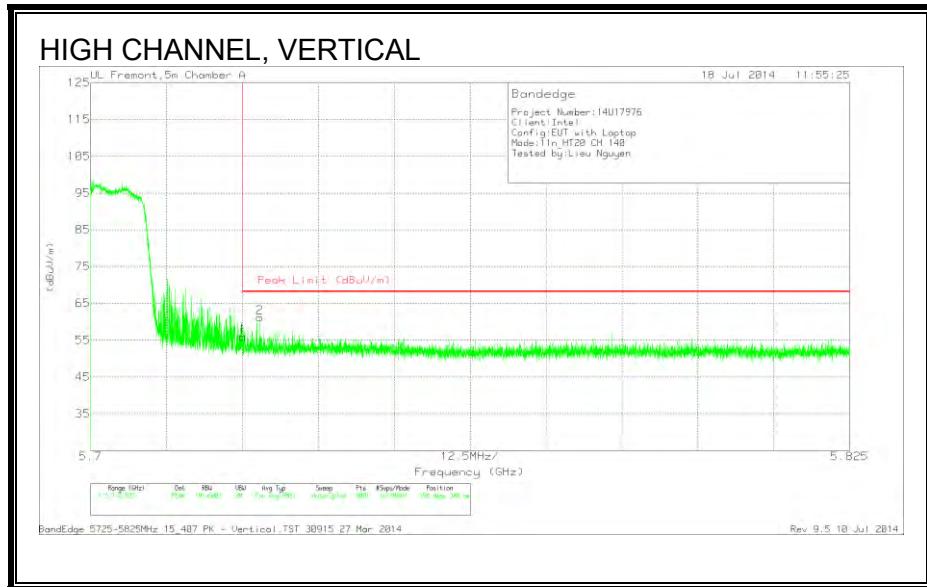
**BANDEDGE (HIGH CHANNEL)**



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.89	PK	34.6	-19.6	0	55.89	68.2	-12.31	316	340	H
2	5.726	46.29	PK	34.6	-19.7	0	61.19	68.2	-7.01	316	340	H

PK - Peak detector



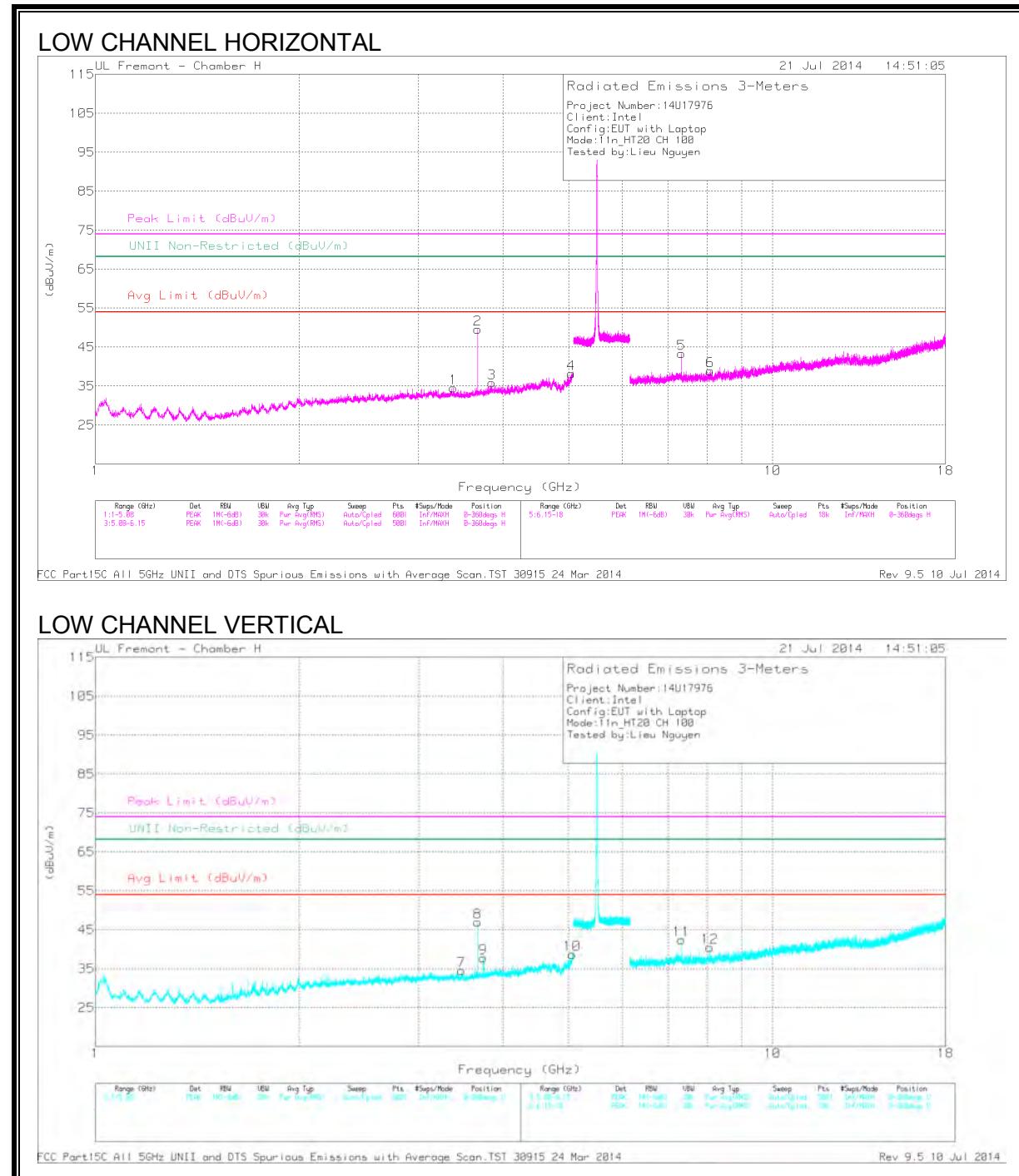
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.95	PK	34.6	-19.6	0	55.95	68.2	-12.25	198	340	V
2	5.728	46.27	PK	34.6	-19.7	0	61.17	68.2	-7.03	198	340	V

PK - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### ▪ LOW CHANNEL



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filt 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
2	* 3.667	51.86	PK1	33.1	-32.5	0	52.46	-	-	74	-21.54	-	-	193	199	H
	* 3.667	49.33	AD1	33.1	-32.5	0	49.93	54	-4.07	-	-	-	-	193	199	H
3	* 3.849	42.24	PK1	33.3	-32.8	0	42.74	-	-	74	-31.26	-	-	228	359	H
	* 3.849	30.61	AD1	33.3	-32.8	0	31.11	54	-22.89	-	-	-	-	228	359	H
4	* 5.04	40.65	PK1	34.4	-30.4	0	44.65	-	-	74	-29.35	-	-	255	335	H
	* 5.041	29.63	AD1	34.4	-30.3	0	33.73	54	-20.27	-	-	-	-	255	335	H
8	* 3.667	50.67	PK1	33.1	-32.5	0	51.27	-	-	74	-22.73	-	-	132	372	V
	* 3.667	47.87	AD1	33.1	-32.5	0	48.47	54	-5.53	-	-	-	-	132	372	V
9	* 3.738	42.42	PK1	33.2	-33	0	42.62	-	-	74	-31.38	-	-	183	299	V
	* 3.739	30.45	AD1	33.2	-33.1	0	30.55	54	-23.45	-	-	-	-	183	299	V
10	* 5.059	41	PK1	34.4	-29.2	0	46.2	-	-	74	-27.8	-	-	283	158	V
	* 5.062	29.42	AD1	34.4	-29.1	0	34.72	54	-19.28	-	-	-	-	283	158	V
5	* 7.333	43.24	PK1	36.2	-29.9	0	49.54	-	-	74	-24.46	-	-	149	227	H
	* 7.333	36.13	AD1	36.2	-29.9	0	42.43	54	-11.57	-	-	-	-	149	227	H
6	* 8.087	38.15	PK1	36	-28.2	0	45.95	-	-	74	-28.05	-	-	225	152	H
	* 8.087	26.87	AD1	36	-28.2	0	34.67	54	-19.33	-	-	-	-	225	152	H
11	* 7.333	42.73	PK1	36.2	-29.9	0	49.03	-	-	74	-24.97	-	-	194	160	V
	* 7.333	34.74	AD1	36.2	-29.9	0	41.04	54	-12.96	-	-	-	-	194	160	V
12	* 8.082	38.1	PK1	36	-28	0	46.1	-	-	74	-27.9	-	-	276	105	V
	* 8.081	27.01	AD1	36	-28	0	35.01	54	-18.99	-	-	-	-	276	105	V
1	3.38	41.59	PK1	32.8	-33.1	0	41.29	-	-	-	-	68.2	-26.91	266	394	H
7	3.472	41.86	PK1	32.8	-33.1	0	41.56	-	-	-	-	68.2	-26.64	90	227	V

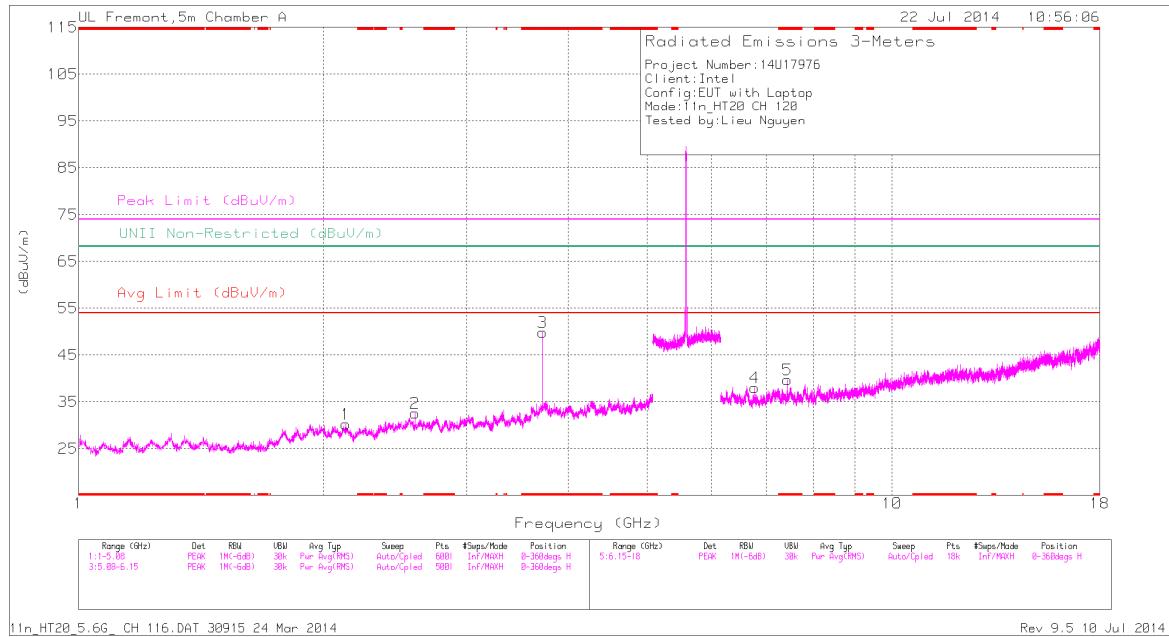
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

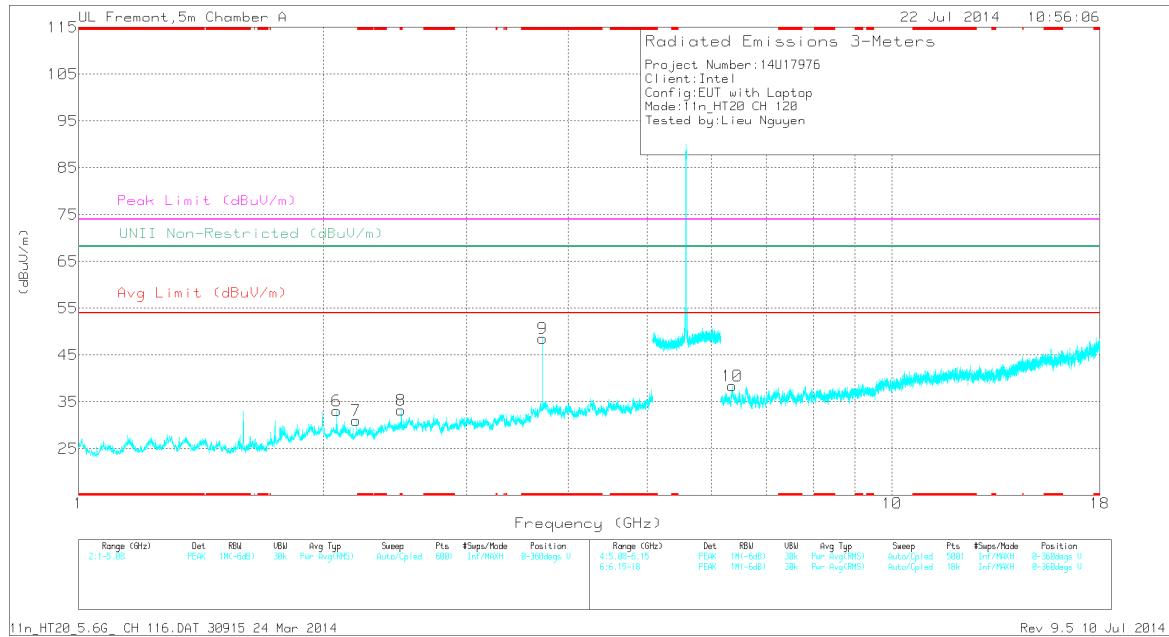
AD1 - KDB789033 Method: AD Primary Power Average

▪ MID CHANNEL

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



## 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)	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	* 3.72	48.68	PK1	33.4	-30.3	0	51.78	-	-	74	-22.22	-	-	-	134	198	H
	* 3.72	46.31	AD1	33.4	-30.3	0	49.41	54	-4.59	-	-	-	-	-	134	198	H
8	* 2.493	40.22	PK1	32.8	-33.6	0	39.42	-	-	74	-34.58	-	-	301	278	V	
	* 2.491	27.64	AD1	32.8	-33.6	0	26.84	54	-27.16	-	-	-	-	301	278	V	
9	* 3.72	48.51	PK1	33.4	-30.3	0	51.61	-	-	74	-22.39	-	-	217	241	V	
	* 3.72	45.98	AD1	33.4	-30.3	0	49.08	54	-4.92	-	-	-	-	217	241	V	
5	* 7.44	37.34	PK1	35.3	-26.6	0	46.04	-	-	74	-27.96	-	-	330	186	H	
	* 7.44	29.9	AD1	35.3	-26.6	0	38.6	54	-15.4	-	-	-	-	330	186	H	
6	2.077	42.9	PK1	31.8	-34.6	0	40.1	-	-	-	-	68.2	-28.1	203	287	V	
1	2.129	39.75	PK1	31.6	-34.2	0	37.15	-	-	-	-	68.2	-31.05	265	252	H	
7	2.193	43.82	PK1	31.3	-34.4	0	40.72	-	-	-	-	68.2	-27.48	32	311	V	
2	2.592	39.39	PK1	33	-33.4	0	38.99	-	-	-	-	68.2	-29.21	172	118	H	
10	6.358	37.3	PK1	35.5	-27.3	0	45.5	-	-	-	-	68.2	-22.7	36	115	V	
4	6.774	35.9	PK1	35.3	-27.4	0	43.8	-	-	-	-	68.2	-24.4	345	261	H	

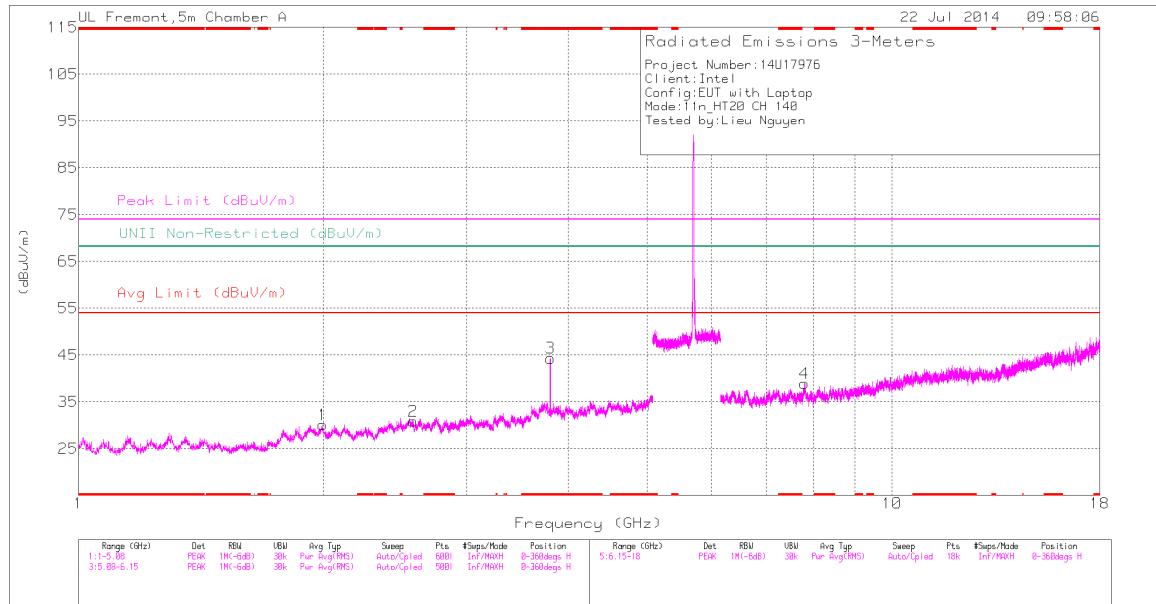
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

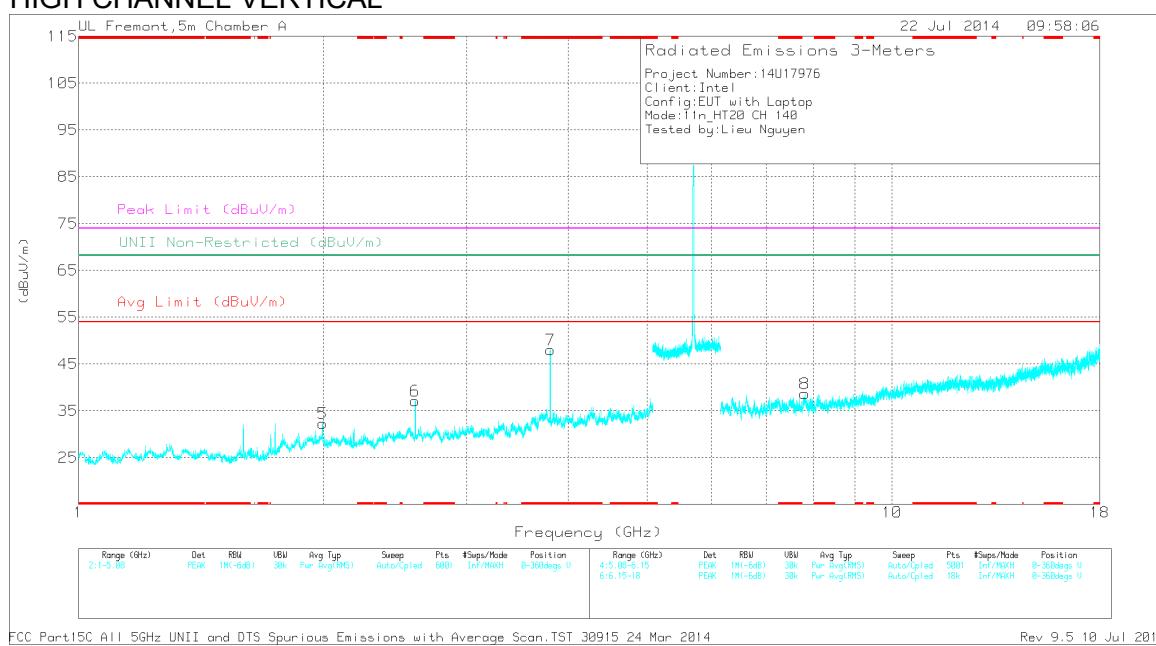
AD1 - KDB789033 Method: AD Primary Power Average

▪ HIGH CHANNEL

**HIGH CHANNEL HORIZONTAL**



**HIGH CHANNEL VERTICAL**



## 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)	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	* 3.8	45.86	PK1	33.6	-31.4	0	48.06	-	-	74	-25.94	-	-	76	113	H
	* 3.8	41.9	AD1	33.6	-31.4	0	44.1	54	-9.9	-	-	-	-	76	113	H
7	* 3.8	48.59	PK1	33.6	-31.3	0	50.89	-	-	74	-23.11	-	-	219	272	V
	* 3.8	45.89	AD1	33.6	-31.4	0	48.09	54	-5.91	-	-	-	-	219	272	V
5	1.995	45.57	PK1	32.1	-35.1	0	42.57	-	-	-	-	68.2	-25.63	134	102	V
1	1.997	41.41	PK1	32.1	-35.3	0	38.21	-	-	-	-	68.2	-29.99	146	140	H
2	2.58	39.29	PK1	33	-33.3	0	38.99	-	-	-	-	68.2	-29.21	80	157	H
6	2.595	39.07	PK1	33	-33.5	0	38.57	-	-	-	-	68.2	-29.63	286	281	V
4	7.807	35.42	PK1	35.5	-24.7	0	46.22	-	-	-	-	68.2	-21.98	4	176	H
8	7.812	34.88	PK1	35.5	-24.5	0	45.88	-	-	-	-	68.2	-22.32	259	202	V

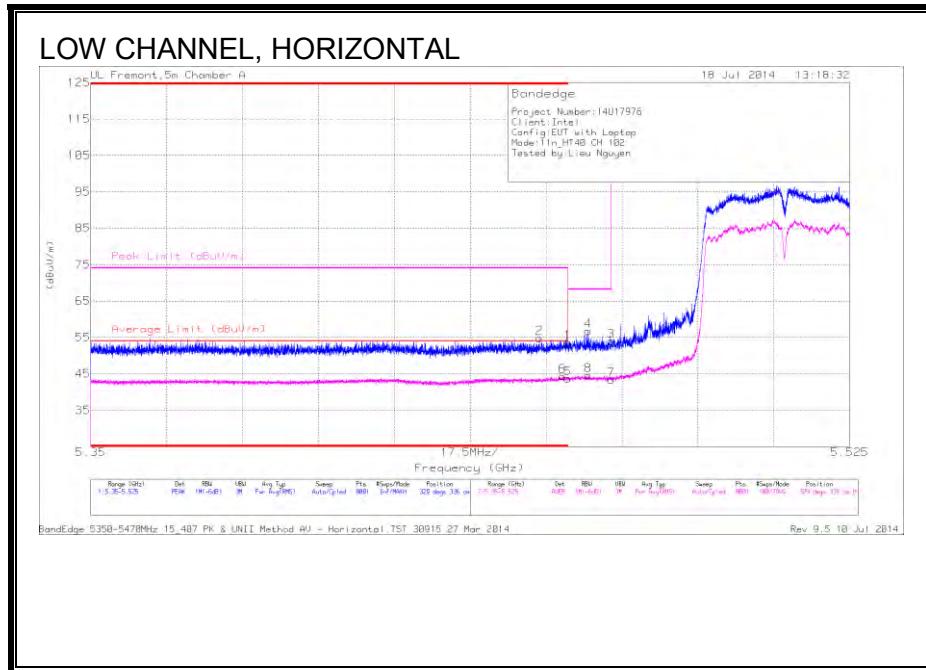
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

## 9.2.9. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND

### BANDEDGE (LOW CHANNEL)



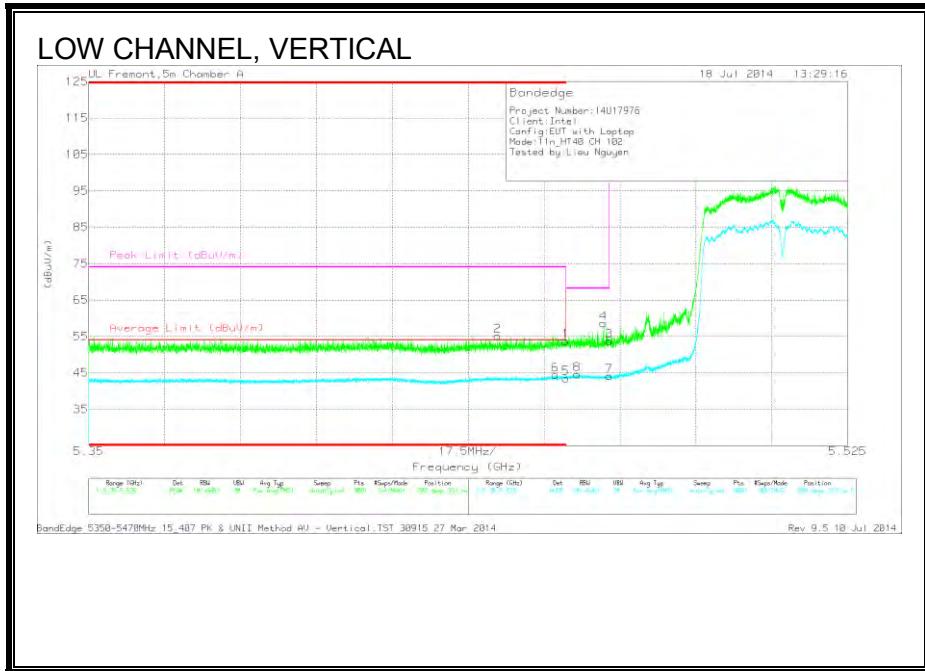
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/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	* 5.46	39.09	PK	34.4	-19.8	0	53.69	-	-	74	-20.31	329	336	H
2	* 5.453	40.42	PK	34.4	-20	0	54.82	-	-	74	-19.18	329	336	H
5	* 5.46	29.11	RMS	34.4	-19.8	.75	44.46	54	-9.54	-	-	329	336	H
6	* 5.459	29.74	RMS	34.4	-19.8	.75	45.09	54	-8.91	-	-	329	336	H
4	5.465	42.29	PK	34.4	-19.9	0	56.79	-	-	68.2	-11.41	329	336	H
8	5.465	30.1	RMS	34.4	-19.9	.75	45.35	-	-	-	-	329	336	H
3	5.47	39.95	PK	34.4	-20.3	0	54.05	-	-	68.2	-14.15	329	336	H
7	5.47	29.21	RMS	34.4	-20.3	.75	44.06	-	-	-	-	329	336	H

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

PK - Peak detector

RMS - RMS detection



### Trace Markers

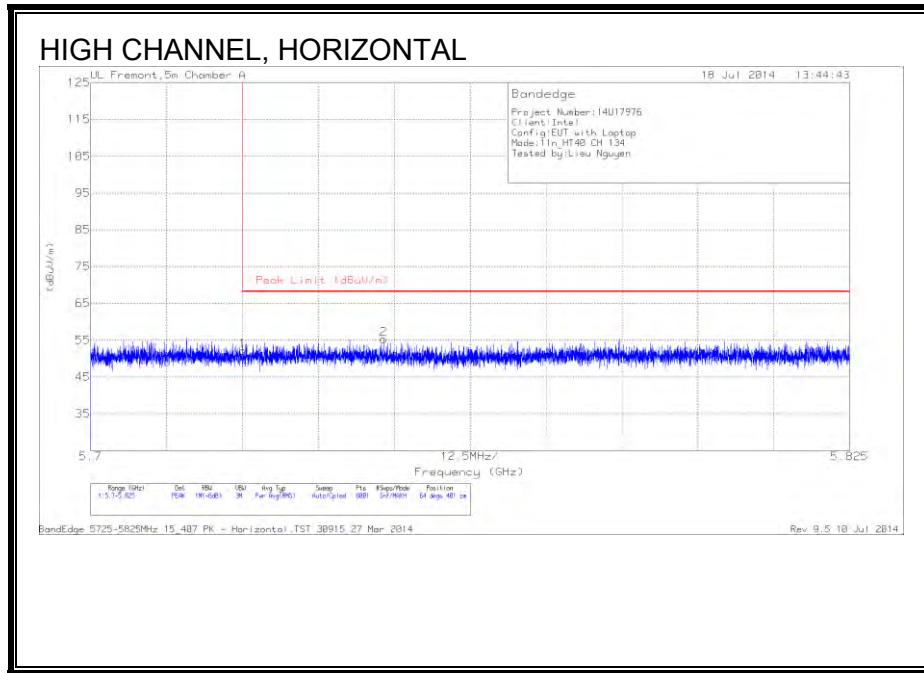
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	39.16	PK	34.4	-19.8	0	53.76	-	-	74	-20.24	209	333	V
2	* 5.444	40.65	PK	34.4	-19.9	0	55.15	-	-	74	-18.85	209	333	V
5	* 5.46	28.92	RMS	34.4	-19.8	.75	44.27	54	-9.73	-	-	209	333	V
6	* 5.458	29.97	RMS	34.4	-19.9	.75	45.22	54	-8.78	-	-	209	333	V
8	5.463	29.93	RMS	34.4	-19.7	.75	45.38	-	-	-	-	209	333	V
4	5.469	44.41	PK	34.4	-20.2	0	58.61	-	-	68.2	-9.59	209	333	V
3	5.47	39.62	PK	34.4	-20.3	0	53.72	-	-	68.2	-14.48	209	333	V
7	5.47	29.96	RMS	34.4	-20.3	.75	44.81	-	-	-	-	209	333	V

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

PK - Peak detector

RMS - RMS detection

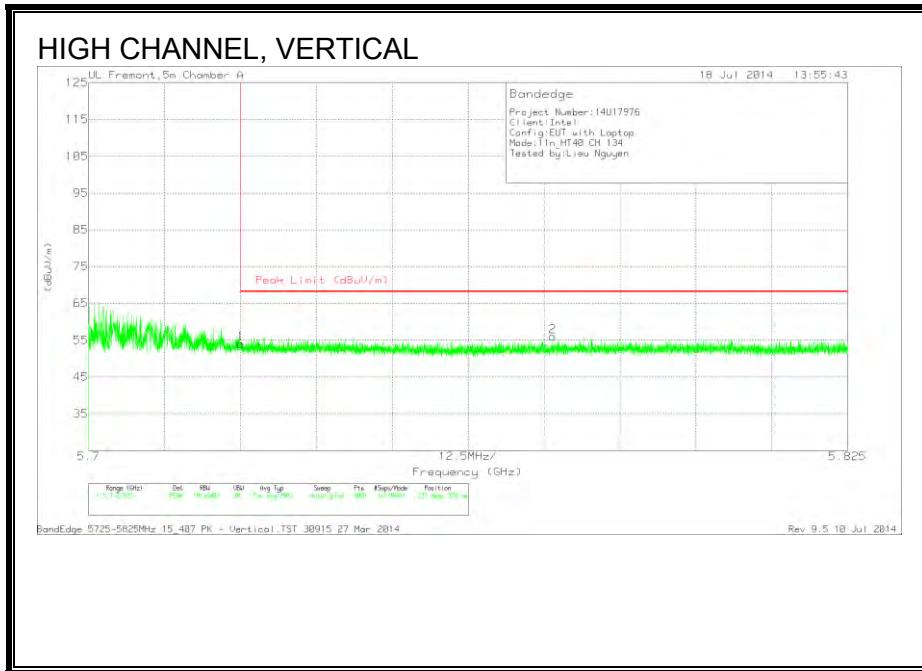
**BANDEDGE (HIGH CHANNEL)**



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.04	PK	34.6	-19.6	0	52.04	68.2	-16.16	64	401	H
2	5.748	40.12	PK	34.6	-19.5	0	55.22	68.2	-12.98	64	401	H

PK - Peak detector



### Trace Markers

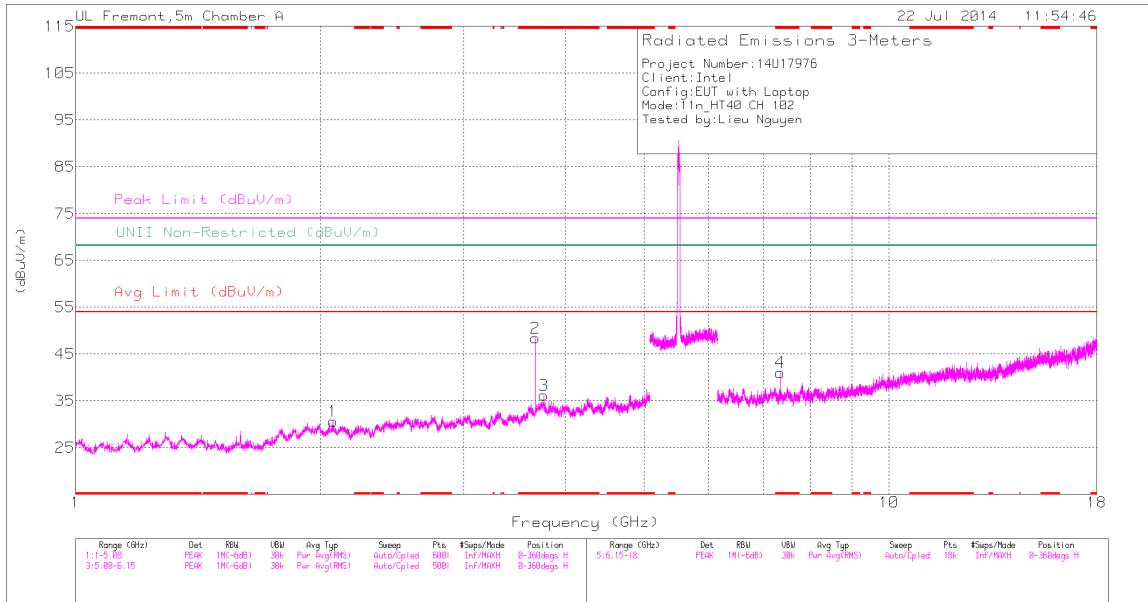
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.99	PK	34.6	-19.6	0	53.99	68.2	-14.21	237	370	V
2	5.776	40.69	PK	34.7	-19.4	0	55.99	68.2	-12.21	237	370	V

PK - Peak detector

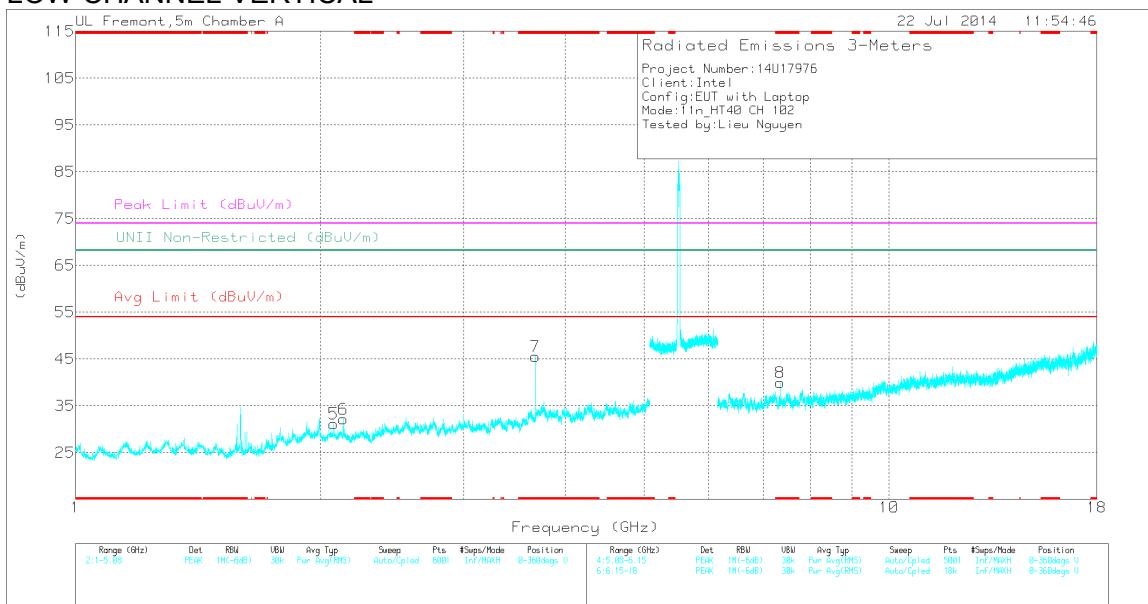
## HARMONICS AND SPURIOUS EMISSIONS

### ▪ LOW CHANNEL

#### LOW CHANNEL HORIZONTAL



#### LOW CHANNEL VERTICAL



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/Cbl/Fit 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
2	* 3.673	48.86	PK1	33.3	-31.8	0	50.36	-	-	74	-23.64	-	-	134	202	H
	* 3.673	45.78	AD1	33.3	-31.8	.75	48.03	54	-5.97	-	-	-	-	134	202	H
3	* 3.763	40.23	PK1	33.5	-29.6	0	44.13	-	-	74	-29.87	-	-	110	314	H
	* 3.762	27.16	AD1	33.5	-29.6	.75	31.81	54	-22.19	-	-	-	-	110	314	H
7	* 3.673	49.01	PK1	33.3	-31.8	0	50.51	-	-	74	-23.49	-	-	230	244	V
	* 3.673	45.67	AD1	33.3	-31.8	.75	47.92	54	-6.08	-	-	-	-	230	244	V
4	* 7.347	39.23	PK1	35.2	-27.1	0	47.33	-	-	74	-26.67	-	-	329	155	H
	* 7.347	31.74	AD1	35.2	-27.1	.75	40.59	54	-13.41	-	-	-	-	329	155	H
8	* 7.347	36.8	PK1	35.2	-27.1	0	44.9	-	-	74	-29.1	-	-	7	200	V
	* 7.347	27.86	AD1	35.2	-27.1	.75	36.71	54	-17.29	-	-	-	-	7	200	V
1	2.07	40.7	PK1	31.9	-34.7	0	37.9	-	-	-	-	68.2	-30.3	9	218	H
5	2.079	40.63	PK1	31.8	-34.6	0	37.83	-	-	-	-	68.2	-30.37	322	247	V
6	2.134	40.16	PK1	31.6	-34	0	37.76	-	-	-	-	68.2	-30.44	128	226	V

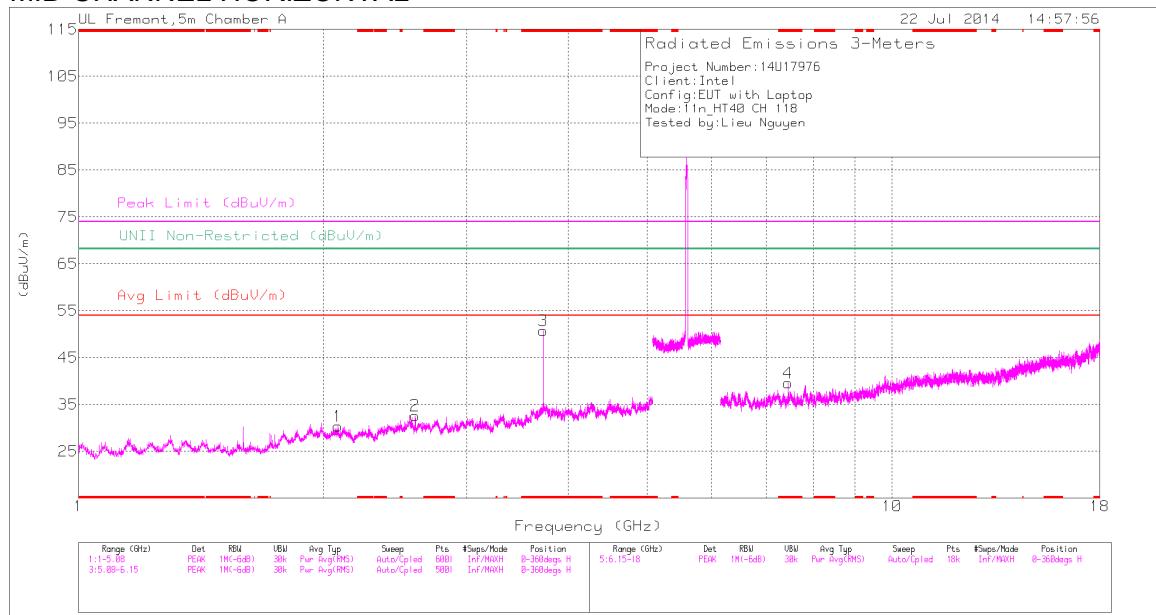
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

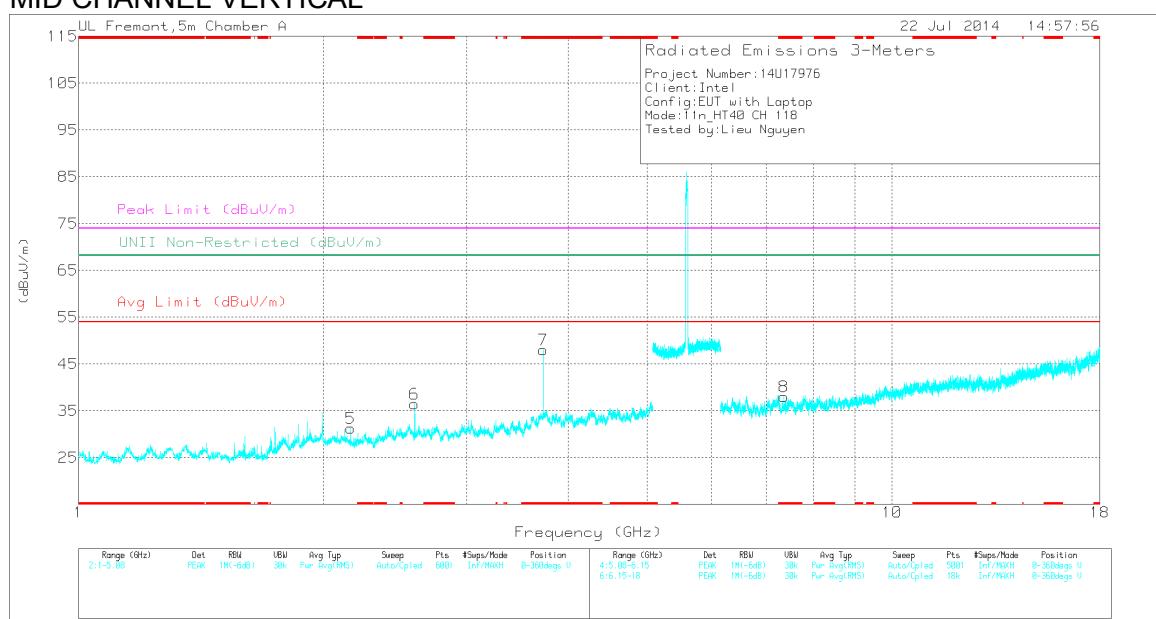
AD1 - KDB789033 Method: AD Primary Power Average

▪ MID CHANNEL

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



## Trace Markers

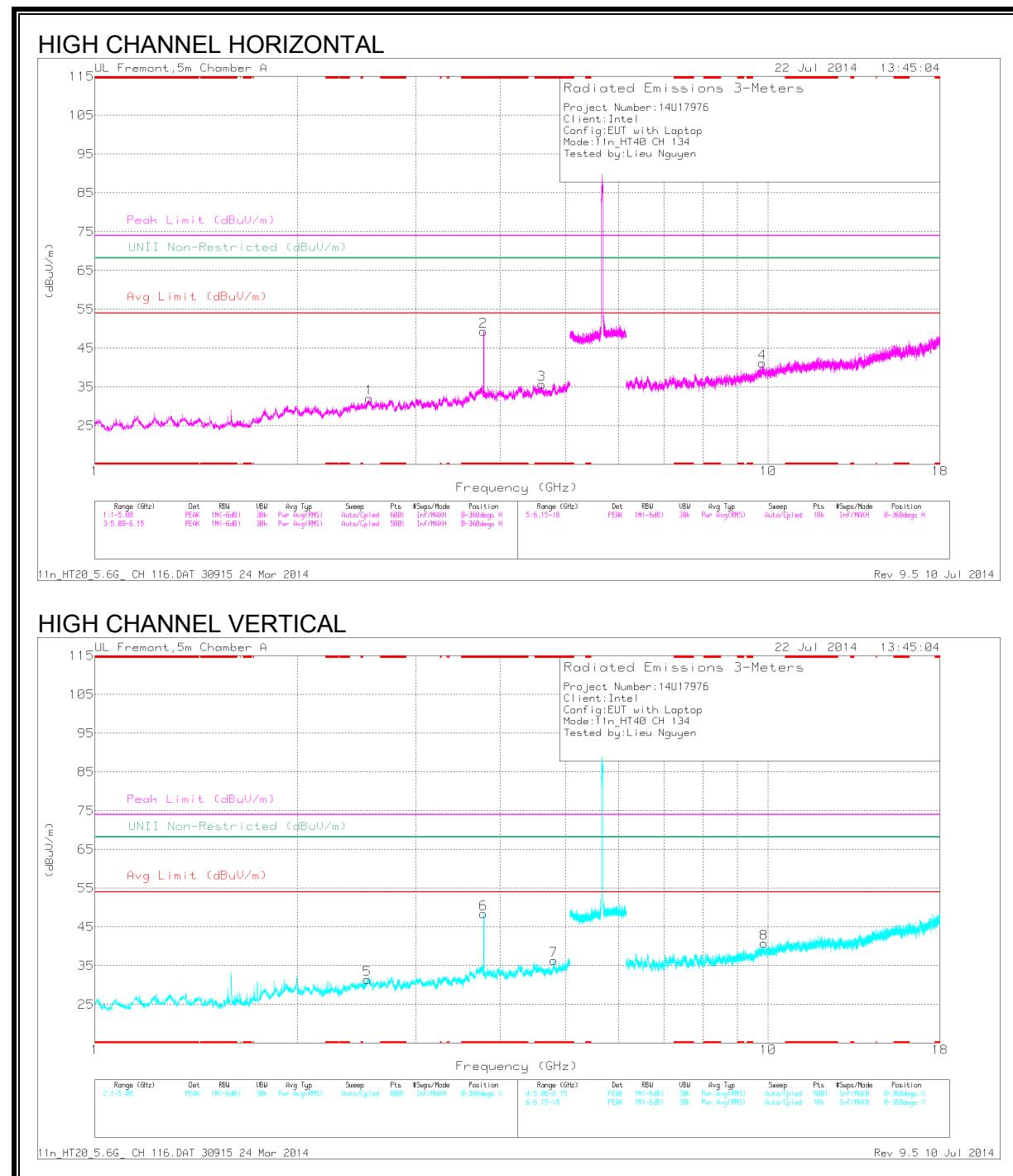
Marker	Frequency (GHz)	Meter Reading (dBuV)	Dct	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 3.727	47.8	PK1	33.4	-30.1	0	51.1	-	-	74	-22.9	-	-	127	198	H
	* 3.727	44.4	AD1	33.4	-30.1	.75	48.45	54	-5.55	-	-	-	-	127	198	H
7	* 3.727	48.27	PK1	33.4	-30.1	0	51.57	-	-	74	-22.43	-	-	174	281	V
	* 3.727	44.85	AD1	33.4	-30.1	.75	48.9	54	-5.1	-	-	-	-	174	281	V
4	* 7.453	38.01	PK1	35.3	-26.4	0	46.91	-	-	74	-27.09	-	-	328	150	H
	* 7.453	29.14	AD1	35.3	-26.4	.75	38.79	54	-15.21	-	-	-	-	328	150	H
8	* 7.362	36.02	PK1	35.3	-26.6	0	44.72	-	-	74	-29.28	-	-	75	126	V
	* 7.359	24.41	AD1	35.3	-26.6	.75	33.86	54	-20.14	-	-	-	-	75	126	V
1	2.082	40.12	PK1	31.8	-34.6	0	37.32	-	-	-	68.2	-30.88	185	280	H	
5	2.159	41.43	PK1	31.5	-33.8	0	39.13	-	-	-	68.2	-29.07	37	270	V	
6	2.591	41.41	PK1	33	-33.4	0	41.01	-	-	-	68.2	-27.19	60	261	V	
2	2.595	39.63	PK1	33	-33.5	0	39.13	-	-	-	68.2	-29.07	337	349	H	

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ HIGH CHANNEL



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)	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
2	* 3.78	49.1	PK1	33.6	-31	0	51.7	-	-	74	-22.3	-	-	132	194	H
	* 3.78	46.14	AD1	33.6	-31	.75	49.49	54	-4.51	-	-	-	-	132	194	H
3	* 4.613	38.18	PK1	34	-29.7	0	42.48	-	-	74	-31.52	-	-	186	351	H
	* 4.611	26.97	AD1	34	-29.7	.75	32.02	54	-21.98	-	-	-	-	186	351	H
6	* 3.78	50.27	PK1	33.6	-31	0	52.87	-	-	74	-21.13	-	-	243	354	V
	* 3.78	47.57	AD1	33.6	-31	.75	50.92	54	-3.08	-	-	-	-	243	354	V
7	* 4.807	38.77	PK1	34	-29.1	0	43.67	-	-	74	-30.33	-	-	207	296	V
	* 4.808	27.41	AD1	34	-29.1	.75	33.06	54	-20.94	-	-	-	-	207	296	V
5	2.54	39.29	PK1	32.9	-32.9	0	39.29	-	-	-	68.2	-28.91	122	130	V	
1	2.555	40.28	PK1	32.9	-32.8	0	40.38	-	-	-	68.2	-27.82	262	212	H	
4	9.806	34	PK1	36.9	-23.3	0	47.6	-	-	-	68.2	-20.6	297	156	H	
8	9.852	33.46	PK1	37	-22.9	0	47.56	-	-	-	68.2	-20.64	342	133	V	

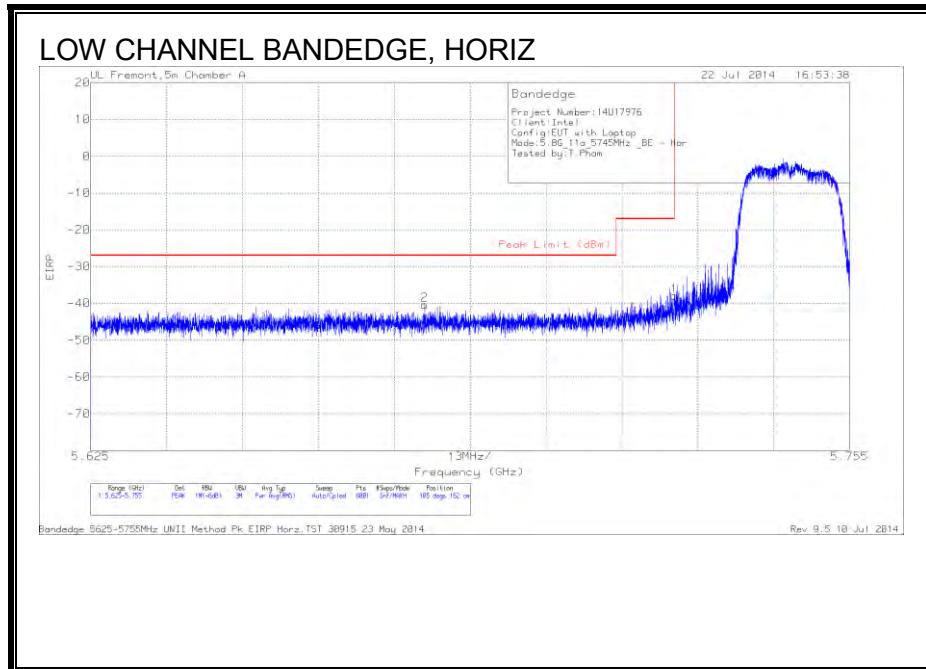
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

### 9.2.10. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND

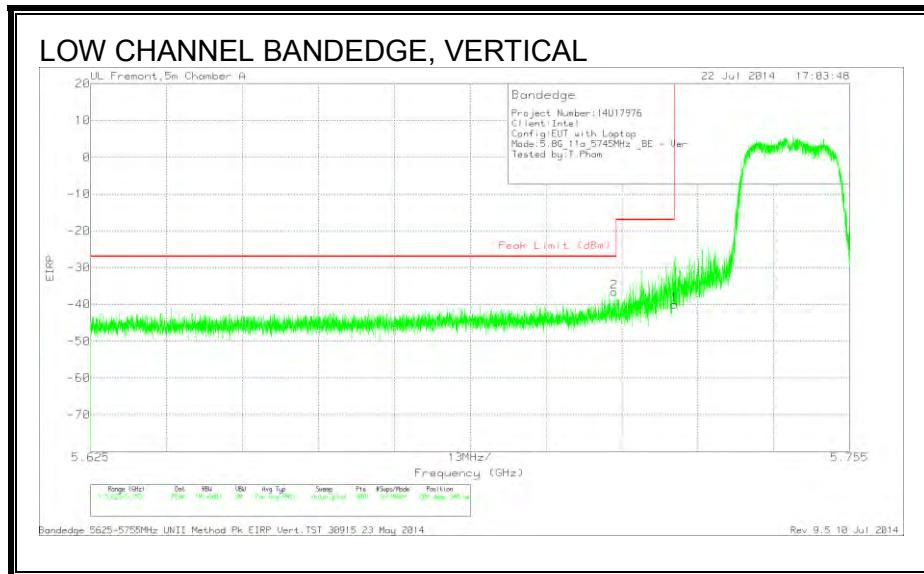
#### BANDEDGE (LOW CHANNEL)



#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (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
2	5.682	-66.95	PK	34.5	-19.7	11.8	0	-40.35	-27	-13.35	105	162	H
1	5.725	-64.7	PK	34.6	-19.6	11.8	0	-37.9	-17	-20.9	105	162	H

PK - Peak detector

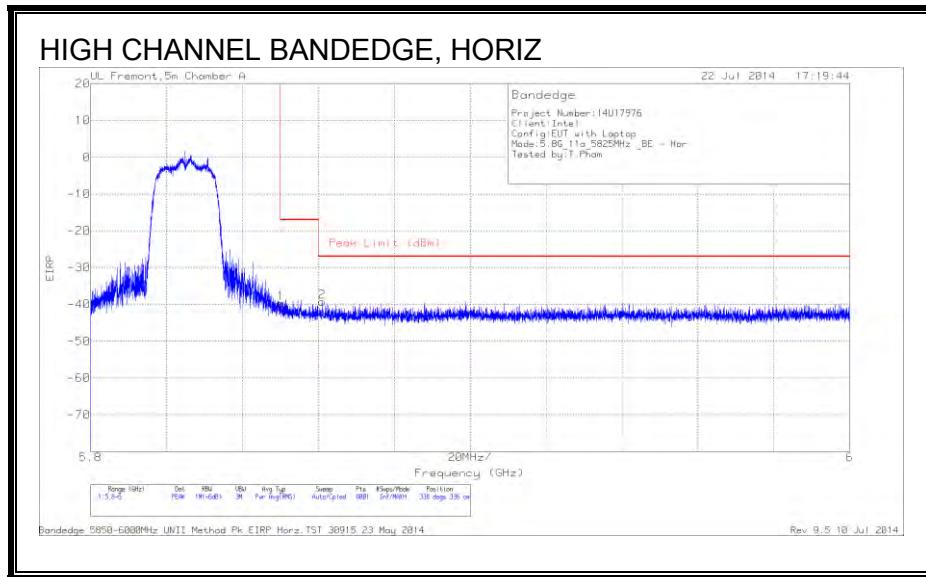


## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.715	-63.35	PK	34.6	-19.6	11.8	0	-36.55	-27	-9.55	208	340	V
1	5.725	-66.85	PK	34.6	-19.6	11.8	0	-40.05	-17	-23.05	208	340	V

PK - Peak detector

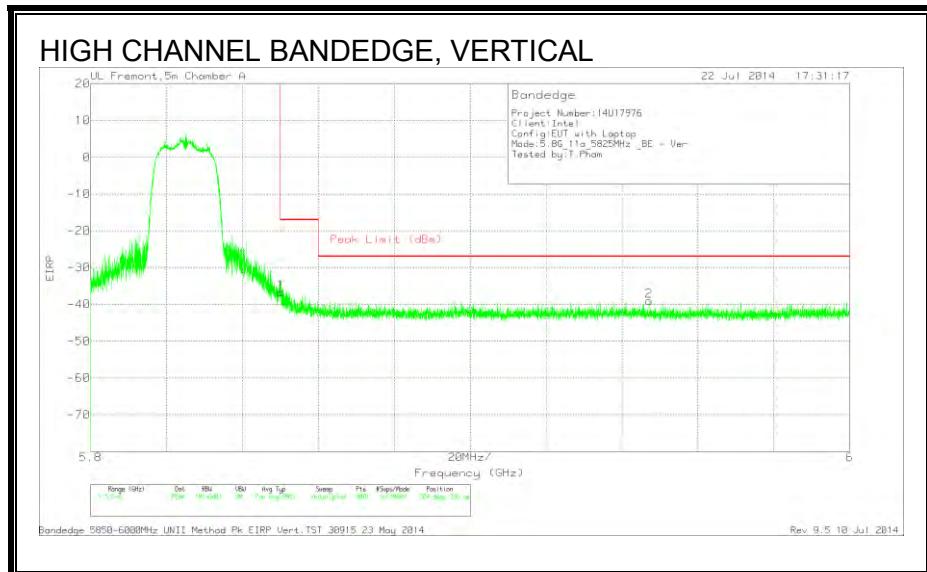
**BANDEDGE (HIGH CHANNEL)**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.1	PK	34.9	-19.2	11.8	0	-39.6	-17	-22.6	338	336	H
2	5.861	-66.48	PK	34.9	-19.5	11.8	0	-39.28	-27	-12.28	338	336	H

PK - Peak detector



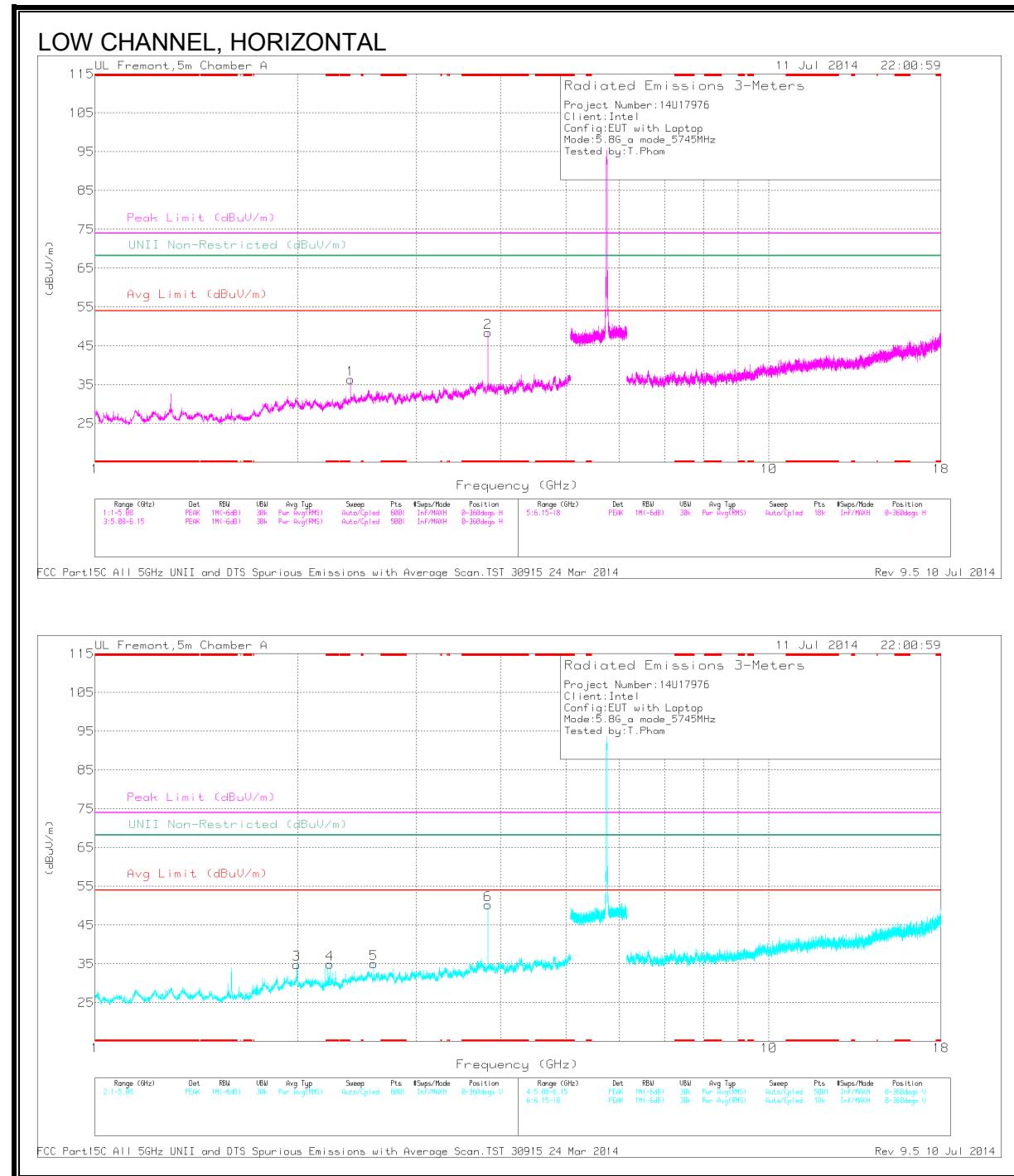
## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.16	PK	34.9	-19.2	11.8	0	-36.66	-17	-19.66	204	336	V
2	5.947	-66.54	PK	35.1	-19.4	11.8	0	-39.04	-27	-12.04	204	336	V

PK - Peak detector

## **HARMONICS AND SPURIOUS EMISSIONS**

### **LOW CHANNEL**



## Trace Markers

### Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ft 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
2	* 3.83	49.98	PK1	33.7	-31.2	0	52.48	-	-	74	-21.52	-	-	146	195	H
	* 3.83	46.14	AD1	33.7	-31.2	0	48.64	54	-5.36	-	-	-	-	146	195	H
4	* 2.228	41.85	PK1	31.3	-33.5	0	39.65	-	-	74	-34.35	-	-	217	236	V
	* 2.231	28.78	AD1	31.3	-33.6	0	26.48	54	-27.52	-	-	-	-	217	236	V
6	* 3.83	50.75	PK1	33.7	-31.2	0	53.25	-	-	74	-20.75	-	-	218	195	V
	* 3.83	47.28	AD1	33.7	-31.2	0	49.78	54	-4.22	-	-	-	-	218	195	V
3	1.995	45.57	PK1	32.1	-35	0	42.67	-	-	-	-	68.2	-25.53	97	113	V
1	2.393	41.15	PK1	32.3	-34.4	0	39.05	-	-	-	-	68.2	-29.15	67	174	H
5	2.591	43.88	PK1	33	-33.4	0	43.48	-	-	-	-	68.2	-24.72	16	122	V

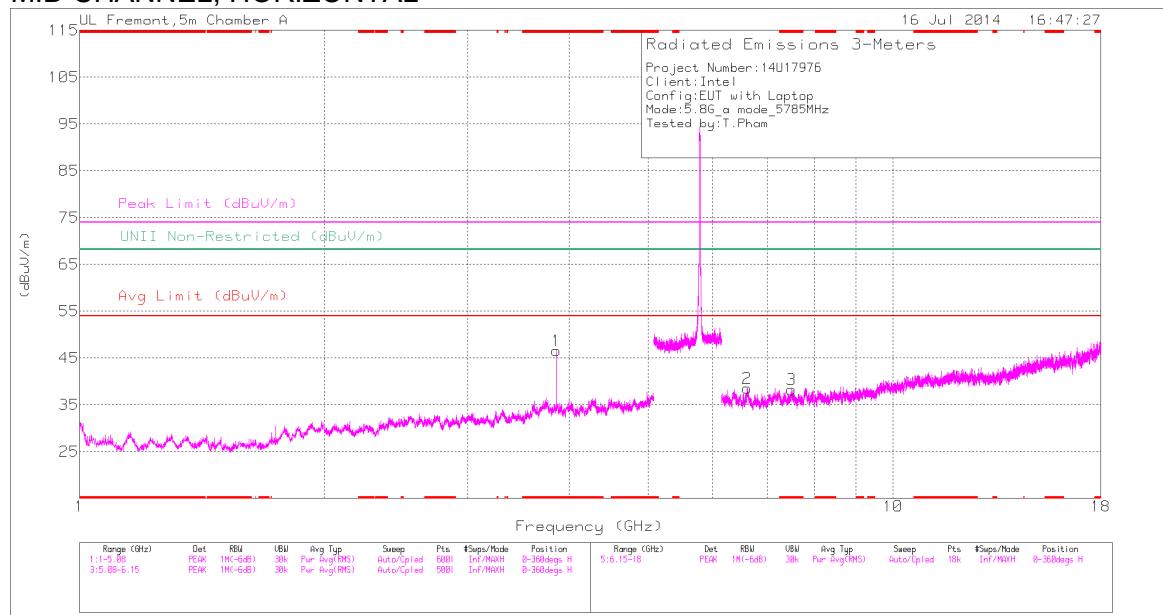
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ **MID CHANNEL**

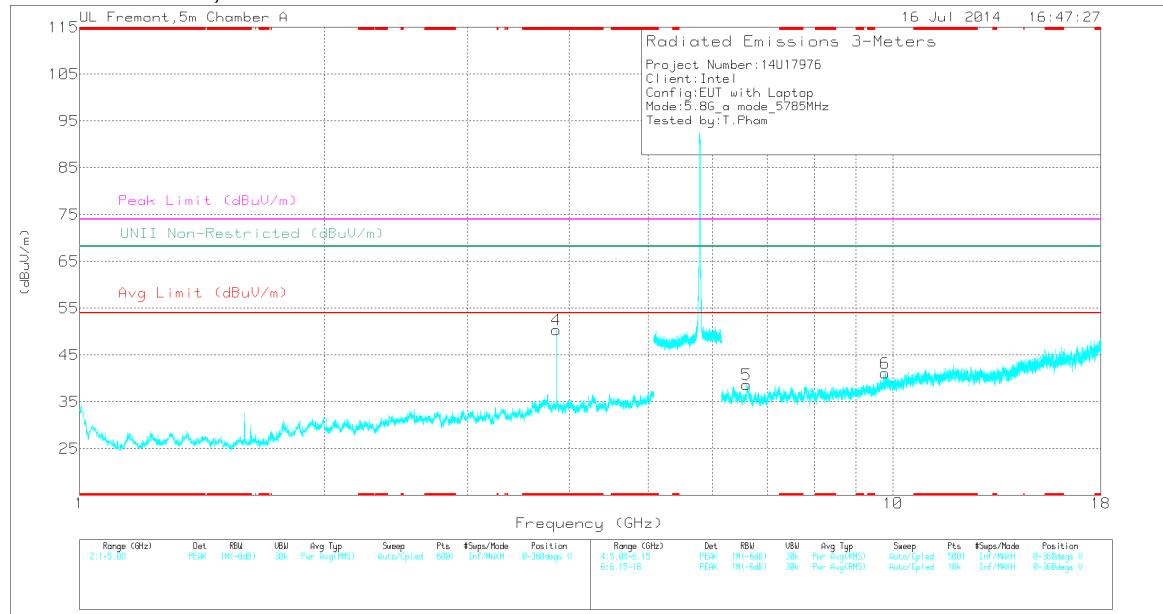
**MID CHANNEL, HORIZONTAL**



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

**MID CHANNEL, VERTICAL**



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ft 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	* 3.857	51.19	PK1	33.7	-31.1	0	53.79	-	-	74	-20.21	-	-	134	210	H
	* 3.857	47.83	AD1	33.7	-31.1	0	50.43	54	-3.57	-	-	-	-	134	210	H
4	* 3.857	50.74	PK1	33.7	-31.1	0	53.34	-	-	74	-20.66	-	-	206	227	V
	* 3.857	46.95	AD1	33.7	-31.1	0	49.55	54	-4.45	-	-	-	-	206	227	V
3	* 7.501	35.38	PK1	35.3	-24.8	0	45.88	-	-	74	-28.12	-	-	156	304	H
	* 7.503	24.03	AD1	35.3	-24.7	0	34.63	54	-19.37	-	-	-	-	156	304	H
5	6.611	35.69	PK1	35.5	-25.5	0	45.69	-	-	-	-	68.2	-22.51	156	200	V
2	6.626	36.39	PK1	35.4	-25.8	0	45.99	-	-	-	-	68.2	-22.21	8	386	H
6	9.781	34.77	PK1	36.9	-23.7	0	47.97	-	-	-	-	68.2	-20.23	271	308	V

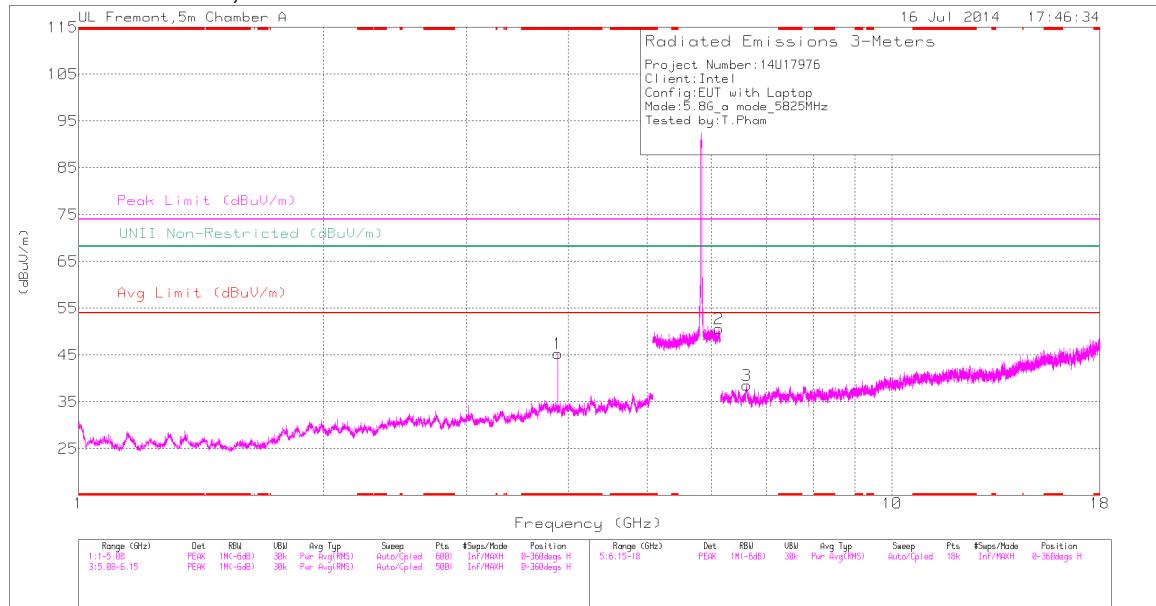
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ **HIGH CHANNEL**

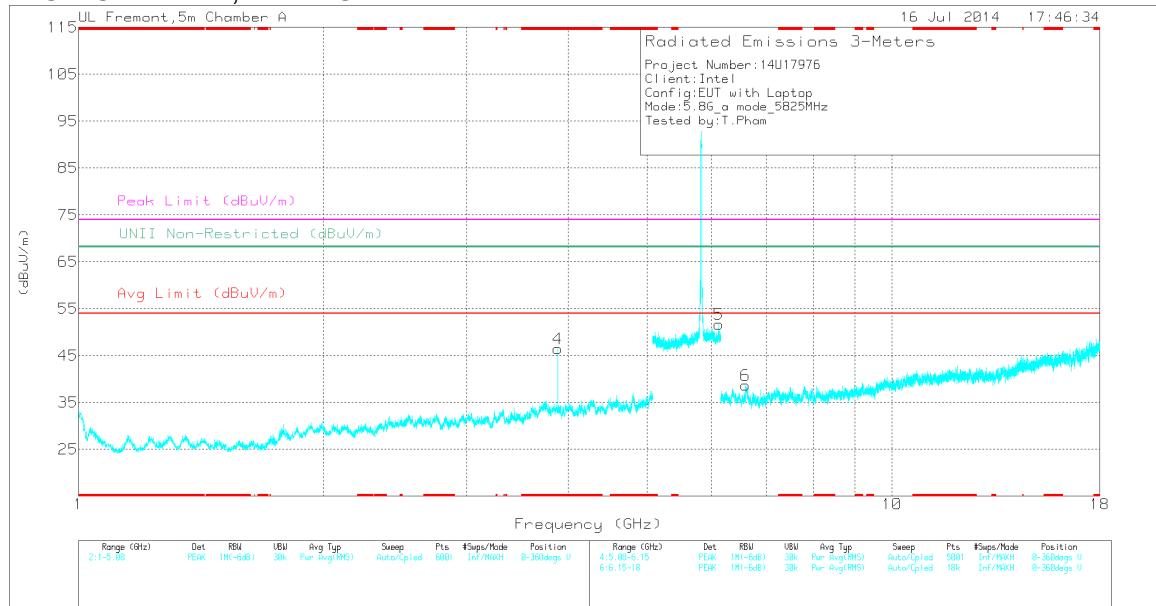
**HIGH CHANNEL, HORIZONTAL**



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

**HIGH CHANNEL, VERTICAL**



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ft 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	* 3.883	49.83	PK1	33.8	-31.5	0	52.13	-	-	74	-21.87	-	-	15	314	H
	* 3.883	45.45	AD1	33.8	-31.5	0	47.75	54	-6.25	-	-	-	-	15	314	H
4	* 3.883	49.78	PK1	33.8	-31.5	0	52.08	-	-	74	-21.92	-	-	205	226	V
	* 3.883	45.8	AD1	33.8	-31.5	0	48.1	54	-5.9	-	-	-	-	205	226	V
5	6.121	41.32	PK1	35.4	-18.1	0	58.62	-	-	-	-	68.2	-9.58	101	100	V
2	6.122	41.58	PK1	35.4	-18.2	0	58.78	-	-	-	-	68.2	-9.42	101	281	H
6	6.599	35.96	PK1	35.5	-26.7	0	44.76	-	-	-	-	68.2	-23.44	101	100	V
3	6.619	36.33	PK1	35.5	-25.8	0	46.03	-	-	-	-	68.2	-22.17	101	220	H

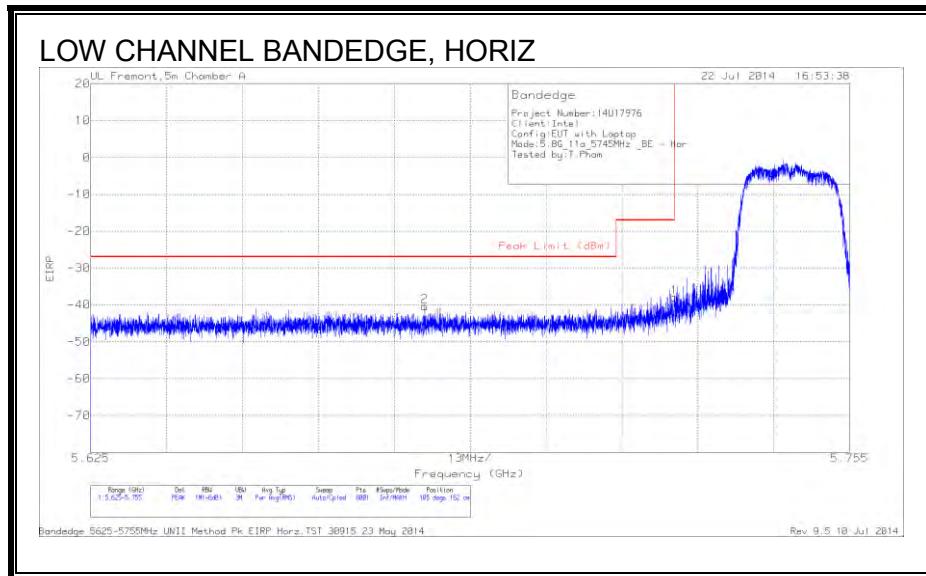
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

### 9.2.11. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND

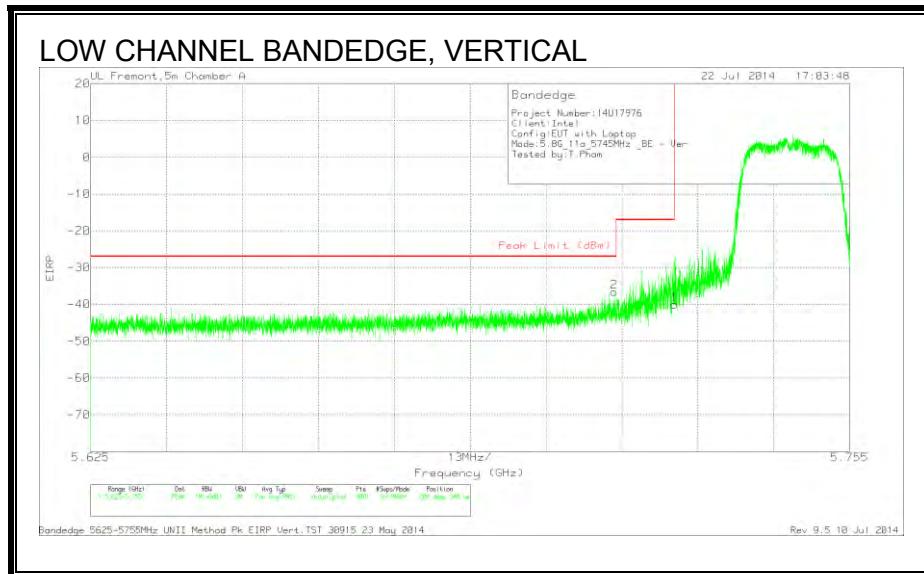
#### BANDEDGE (LOW CHANNEL)



#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.682	-66.95	PK	34.5	-19.7	11.8	0	-40.35	-27	-13.35	105	162	H
1	5.725	-64.7	PK	34.6	-19.6	11.8	0	-37.9	-17	-20.9	105	162	H

PK - Peak detector

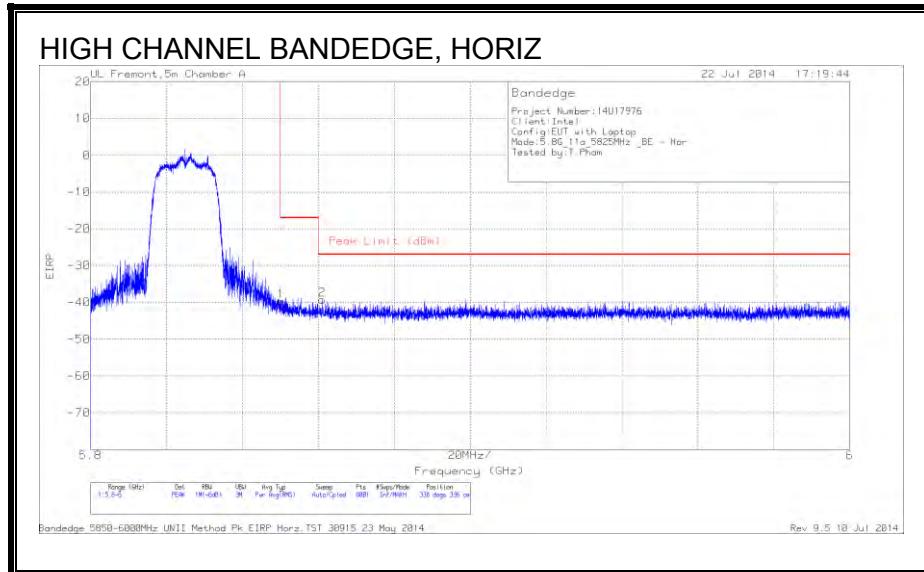


## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.715	-63.35	PK	34.6	-19.6	11.8	0	-36.55	-27	-9.55	208	340	V
1	5.725	-66.85	PK	34.6	-19.6	11.8	0	-40.05	-17	-23.05	208	340	V

PK - Peak detector

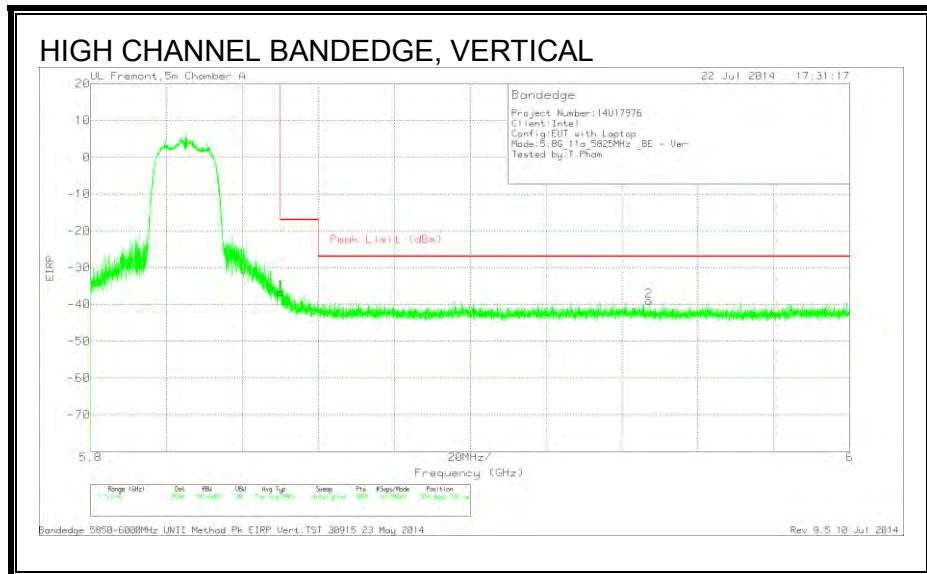
**BANDEDGE (HIGH CHANNEL)**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.1	PK	34.9	-19.2	11.8	0	-39.6	-17	-22.6	338	336	H
2	5.861	-66.48	PK	34.9	-19.5	11.8	0	-39.28	-27	-12.28	338	336	H

PK - Peak detector



## Trace Markers

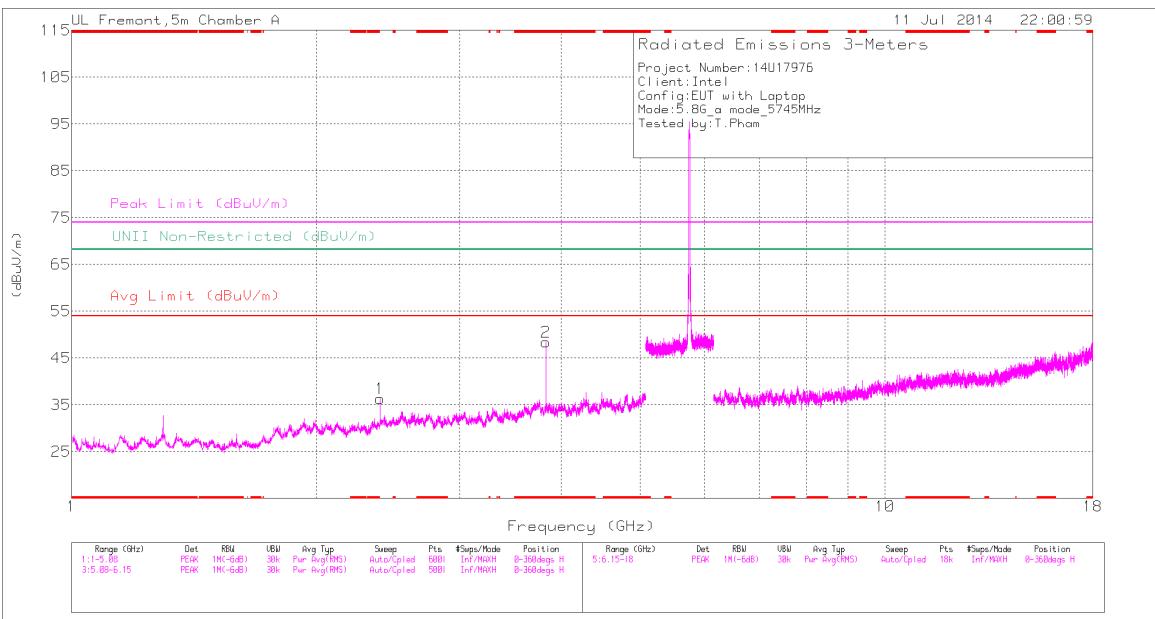
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.16	PK	34.9	-19.2	11.8	0	-36.66	-17	-19.66	204	336	V
2	5.947	-66.54	PK	35.1	-19.4	11.8	0	-39.04	-27	-12.04	204	336	V

PK - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### ▪ LOW CHANNEL

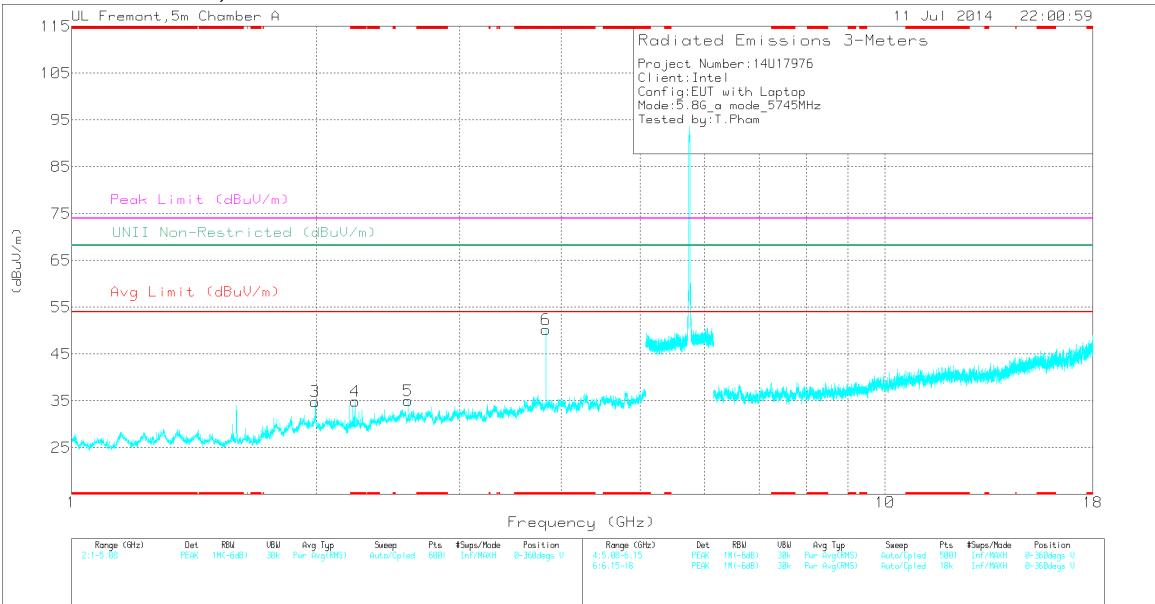
#### LOW CHANNEL, HORIZONTAL



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

#### LOW CHANNEL, VERTICAL



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ft 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
2	* 3.83	49.98	PK1	33.7	-31.2	0	52.48	-	-	74	-21.52	-	-	146	195	H
	* 3.83	46.14	AD1	33.7	-31.2	0	48.64	54	-5.36	-	-	-	-	146	195	H
4	* 2.228	41.85	PK1	31.3	-33.5	0	39.65	-	-	74	-34.35	-	-	217	236	V
	* 2.231	28.78	AD1	31.3	-33.6	0	26.48	54	-27.52	-	-	-	-	217	236	V
6	* 3.83	50.75	PK1	33.7	-31.2	0	53.25	-	-	74	-20.75	-	-	218	195	V
	* 3.83	47.28	AD1	33.7	-31.2	0	49.78	54	-4.22	-	-	-	-	218	195	V
3	1.995	45.57	PK1	32.1	-35	0	42.67	-	-	-	-	68.2	-25.53	97	113	V
1	2.393	41.15	PK1	32.3	-34.4	0	39.05	-	-	-	-	68.2	-29.15	67	174	H
5	2.591	43.88	PK1	33	-33.4	0	43.48	-	-	-	-	68.2	-24.72	16	122	V

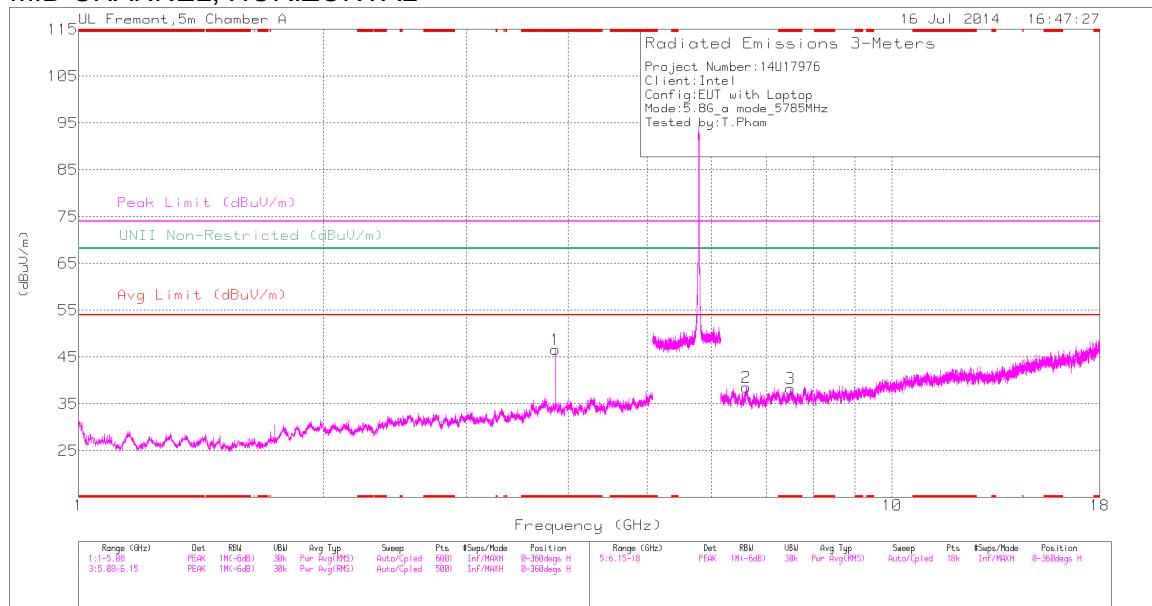
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

**MID CHANNEL**

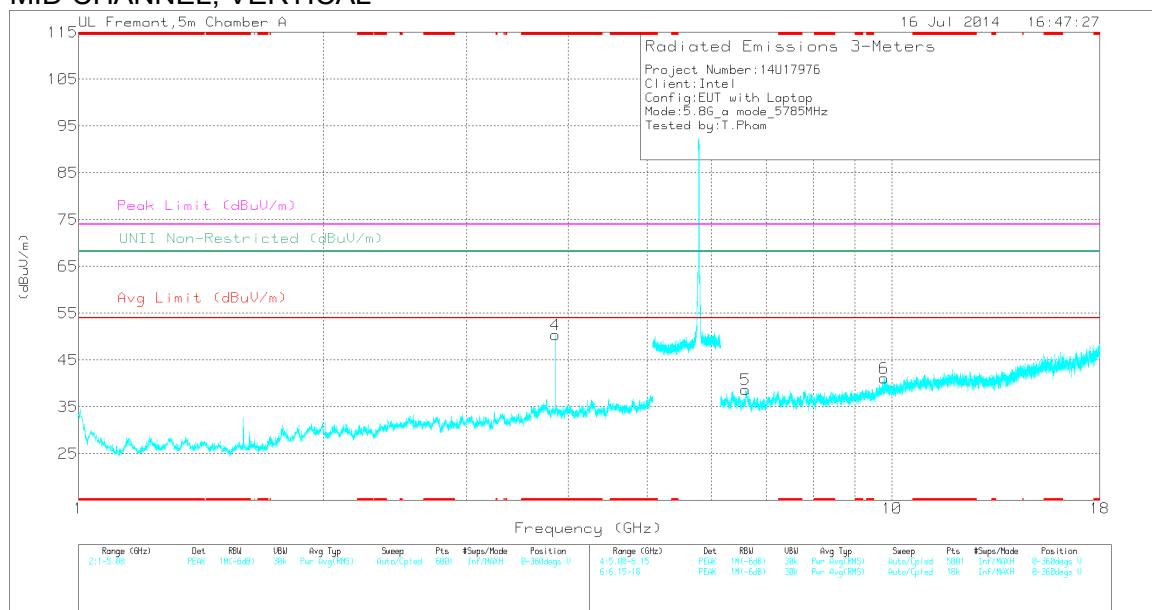
**MID CHANNEL, HORIZONTAL**



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

**MID CHANNEL, VERTICAL**



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ft 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	* 3.857	51.19	PK1	33.7	-31.1	0	53.79	-	-	74	-20.21	-	-	134	210	H
	* 3.857	47.83	AD1	33.7	-31.1	0	50.43	54	-3.57	-	-	-	-	134	210	H
4	* 3.857	50.74	PK1	33.7	-31.1	0	53.34	-	-	74	-20.66	-	-	206	227	V
	* 3.857	46.95	AD1	33.7	-31.1	0	49.55	54	-4.45	-	-	-	-	206	227	V
3	* 7.501	35.38	PK1	35.3	-24.8	0	45.88	-	-	74	-28.12	-	-	156	304	H
	* 7.503	24.03	AD1	35.3	-24.7	0	34.63	54	-19.37	-	-	-	-	156	304	H
5	6.611	35.69	PK1	35.5	-25.5	0	45.69	-	-	-	-	68.2	-22.51	156	200	V
2	6.626	36.39	PK1	35.4	-25.8	0	45.99	-	-	-	-	68.2	-22.21	8	386	H
6	9.781	34.77	PK1	36.9	-23.7	0	47.97	-	-	-	-	68.2	-20.23	271	308	V

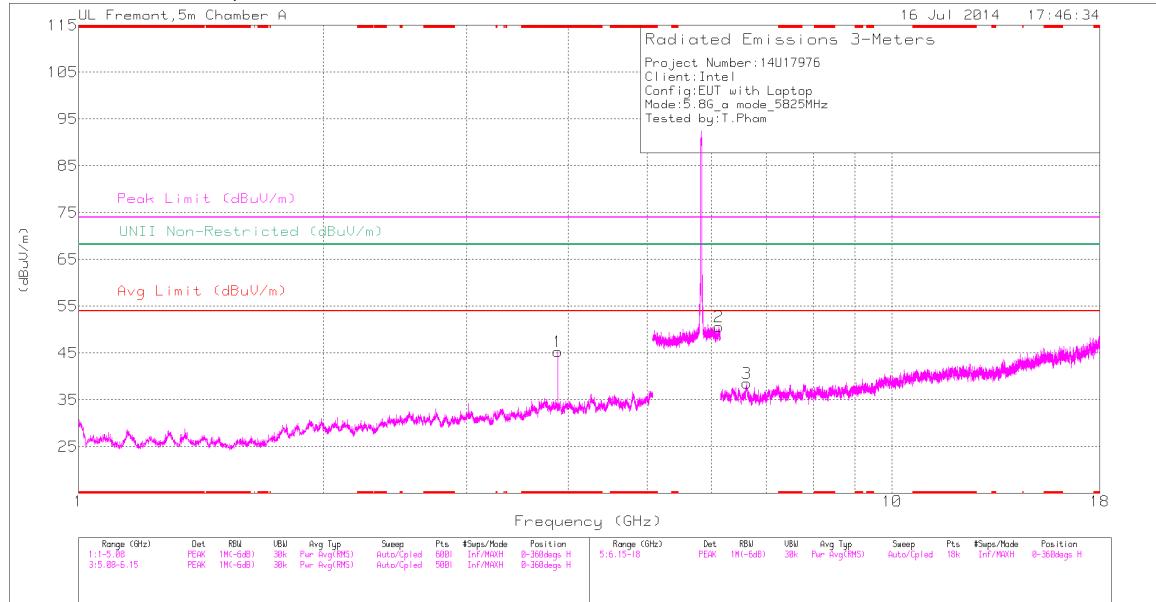
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ **HIGH CHANNEL**

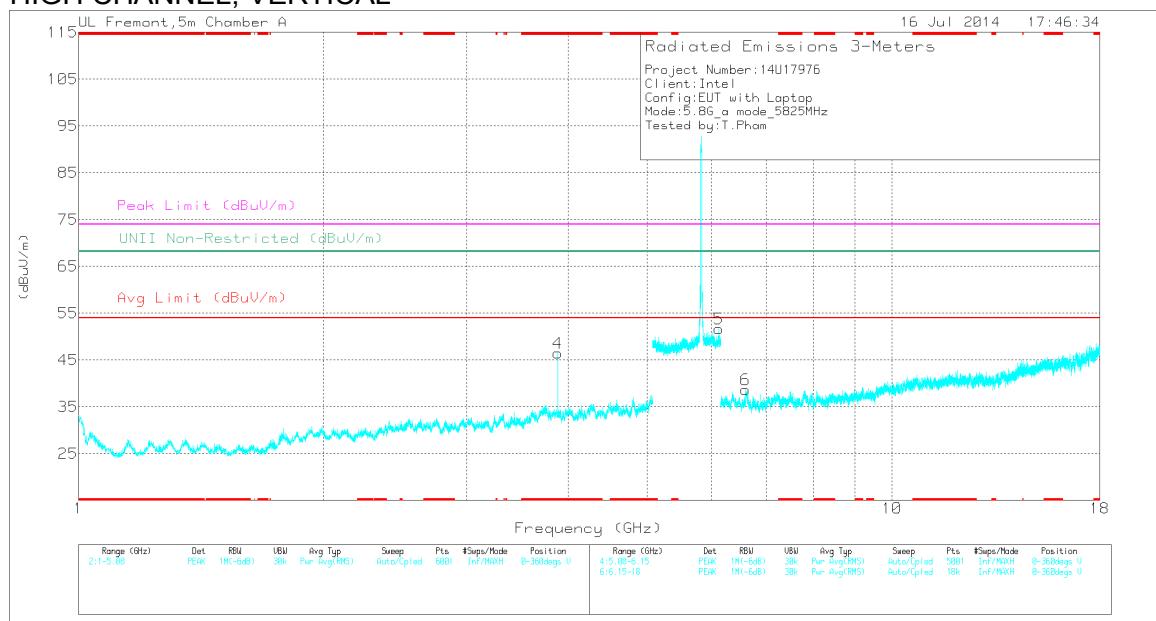
**HIGH CHANNEL, HORIZONTAL**



FCC Part 15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

**HIGH CHANNEL, VERTICAL**



FCC Part 15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ft 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	* 3.883	49.83	PK1	33.8	-31.5	0	52.13	-	-	74	-21.87	-	-	15	314	H
	* 3.883	45.45	AD1	33.8	-31.5	0	47.75	54	-6.25	-	-	-	-	15	314	H
4	* 3.883	49.78	PK1	33.8	-31.5	0	52.08	-	-	74	-21.92	-	-	205	226	V
	* 3.883	45.8	AD1	33.8	-31.5	0	48.1	54	-5.9	-	-	-	-	205	226	V
5	6.121	41.32	PK1	35.4	-18.1	0	58.62	-	-	-	-	68.2	-9.58	101	100	V
2	6.122	41.58	PK1	35.4	-18.2	0	58.78	-	-	-	-	68.2	-9.42	101	281	H
6	6.599	35.96	PK1	35.5	-26.7	0	44.76	-	-	-	-	68.2	-23.44	101	100	V
3	6.619	36.33	PK1	35.5	-25.8	0	46.03	-	-	-	-	68.2	-22.17	101	220	H

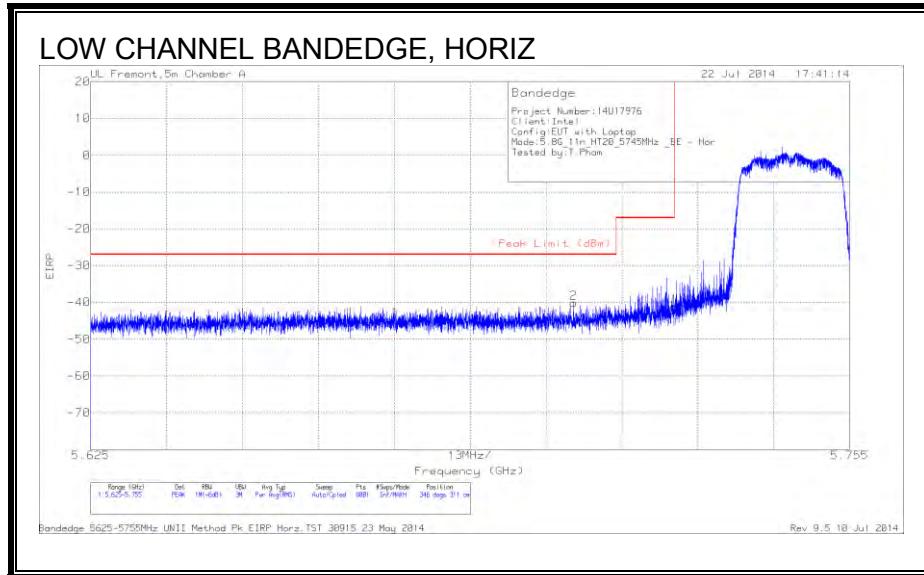
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

## 9.2.12. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND

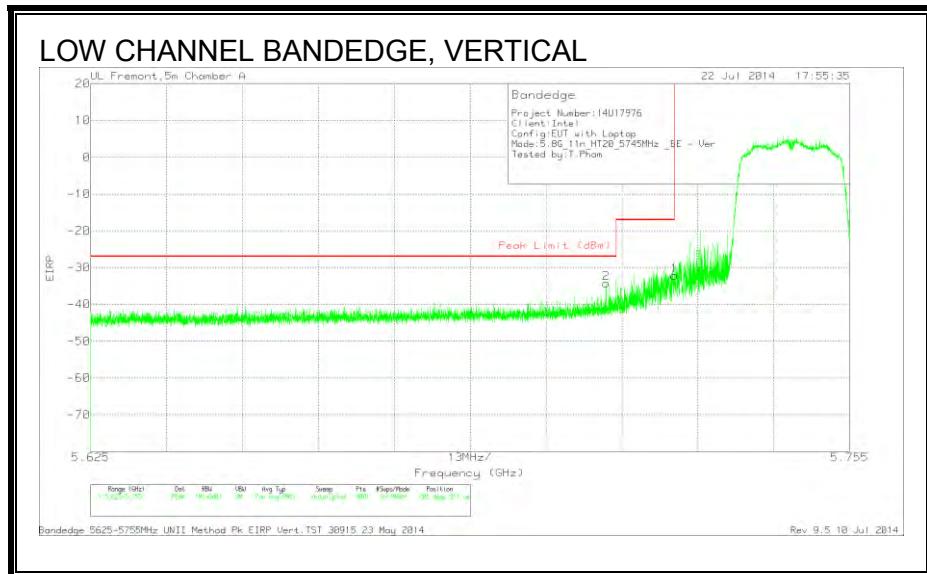
### BANEDGE (LOW CHANNEL)



### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Conversio n Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.708	-66.7	PK	34.5	-19.8	11.8	0	-40.2	-27	-13.2	346	311	H
1	5.725	-67.98	PK	34.6	-19.6	11.8	0	-41.18	-17	-24.18	346	311	H

PK - Peak detector

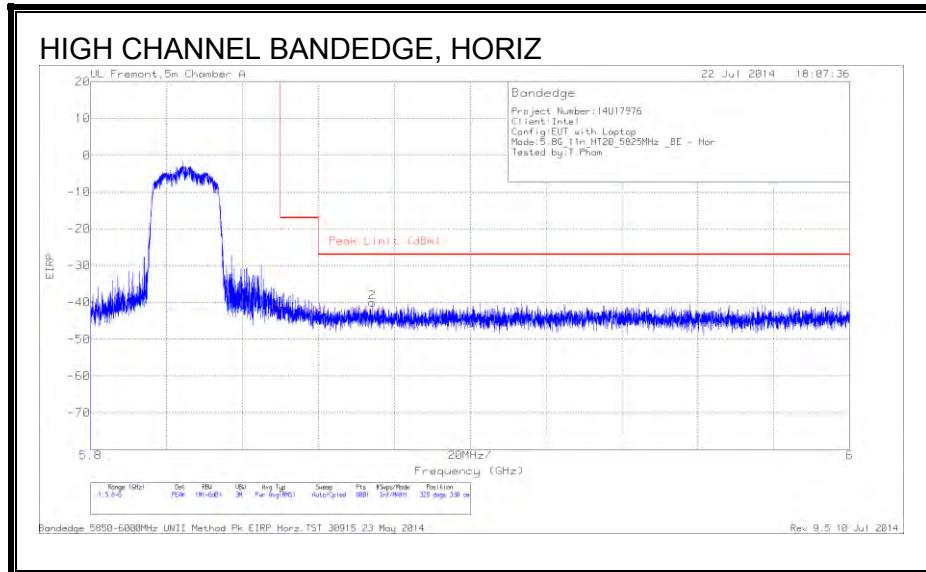


## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	-60.99	PK	34.5	-19.6	11.8	0	-34.29	-27	-7.29	205	311	V
1	5.725	-58.97	PK	34.6	-19.6	11.8	0	-32.17	-17	-15.17	205	311	V

PK - Peak detector

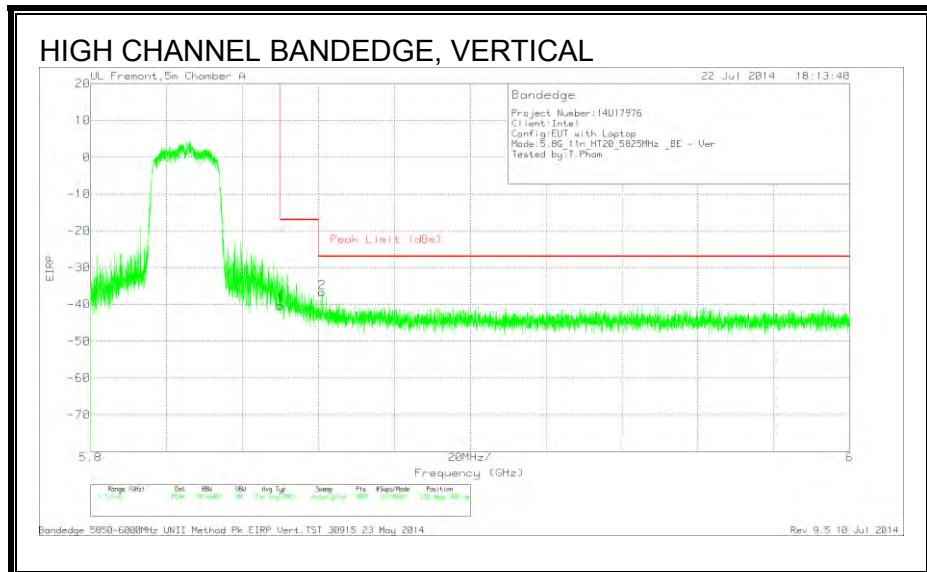
**BANDEDGE (HIGH CHANNEL)**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.12	PK	34.9	-19.2	11.8	0	-41.62	-17	-24.62	329	330	H
2	5.874	-67.31	PK	34.9	-19.4	11.8	0	-40.01	-27	-13.01	329	330	H

PK - Peak detector



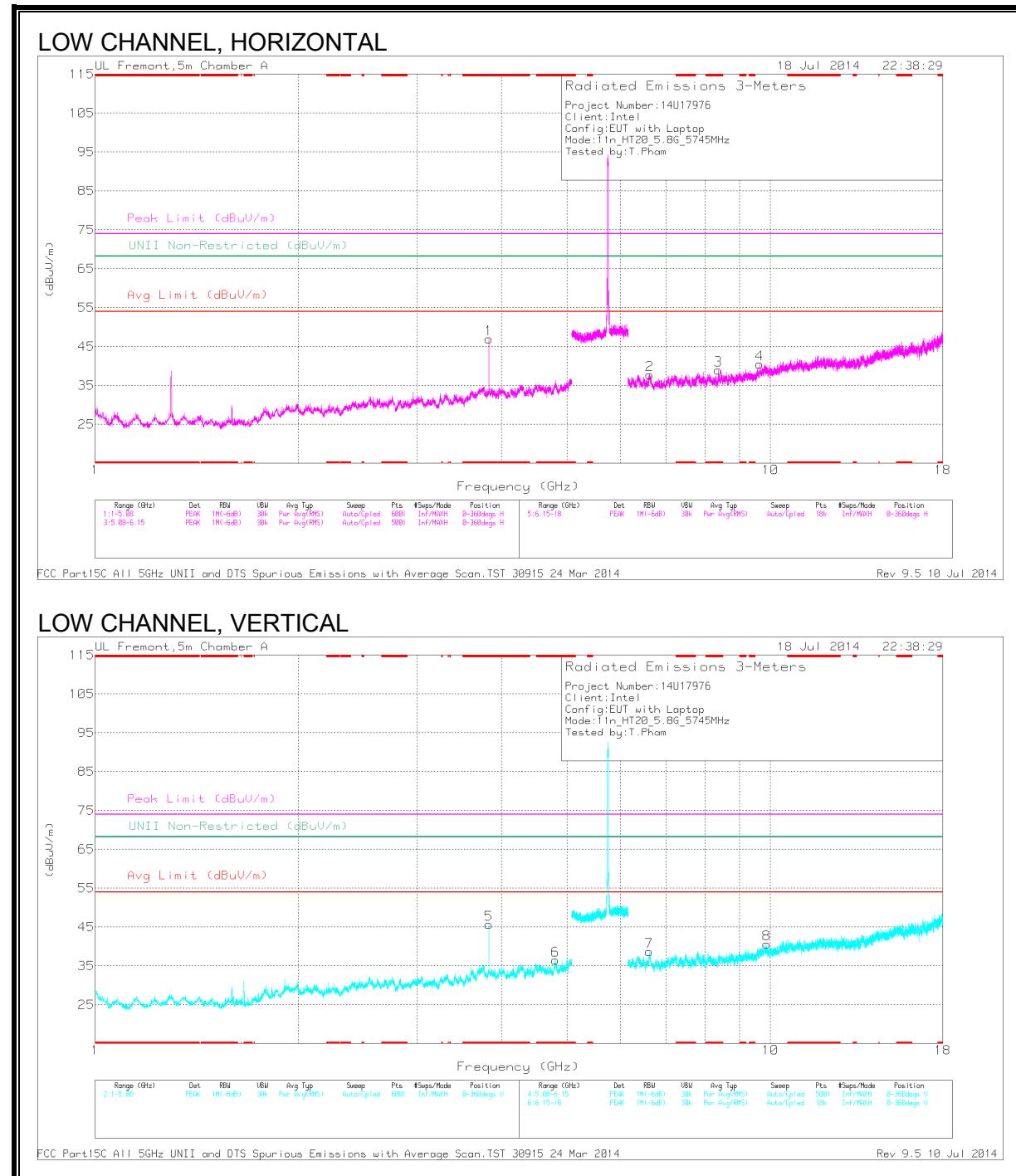
## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.9	PK	34.9	-19.2	11.8	0	-40.4	-17	-23.4	236	300	V
2	5.861	-63.85	PK	34.9	-19.5	11.8	0	-36.65	-27	-9.65	236	300	V

PK - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ft 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	* 3.83	50.91	PK1	33.7	-31.2	0	53.41	-	-	74	-20.59	-	-	10	371	H
	* 3.83	48.16	AD1	33.7	-31.2	0	50.66	54	-3.34	-	-	-	-	10	371	H
5	* 3.83	48.92	PK1	33.7	-31.2	0	51.42	-	-	74	-22.58	-	-	115	279	V
	* 3.83	45.91	AD1	33.7	-31.2	0	48.41	54	-5.59	-	-	-	-	115	279	V
6	* 4.805	38.52	PK1	34	-29.1	0	43.42	-	-	74	-30.58	-	-	115	153	V
	* 4.806	27.44	AD1	34	-29.1	0	32.34	54	-21.66	-	-	-	-	115	153	V
3	* 8.372	35.73	PK1	35.7	-26	0	45.43	-	-	74	-28.57	-	-	221	202	H
	* 8.37	24.14	AD1	35.7	-26.2	0	33.64	54	-20.36	-	-	-	-	221	202	H
7	6.616	35.97	PK1	35.5	-25.7	0	45.77	-	-	-	68.2	-22.43	62	100	V	
2	6.626	36.21	PK1	35.4	-25.8	0	45.81	-	-	-	68.2	-22.39	115	100	H	
4	9.638	34.64	PK1	36.8	-24	0	47.44	-	-	-	68.2	-20.76	221	100	H	
8	9.869	34.17	PK1	37	-23.6	0	47.57	-	-	-	68.2	-20.63	62	202	V	

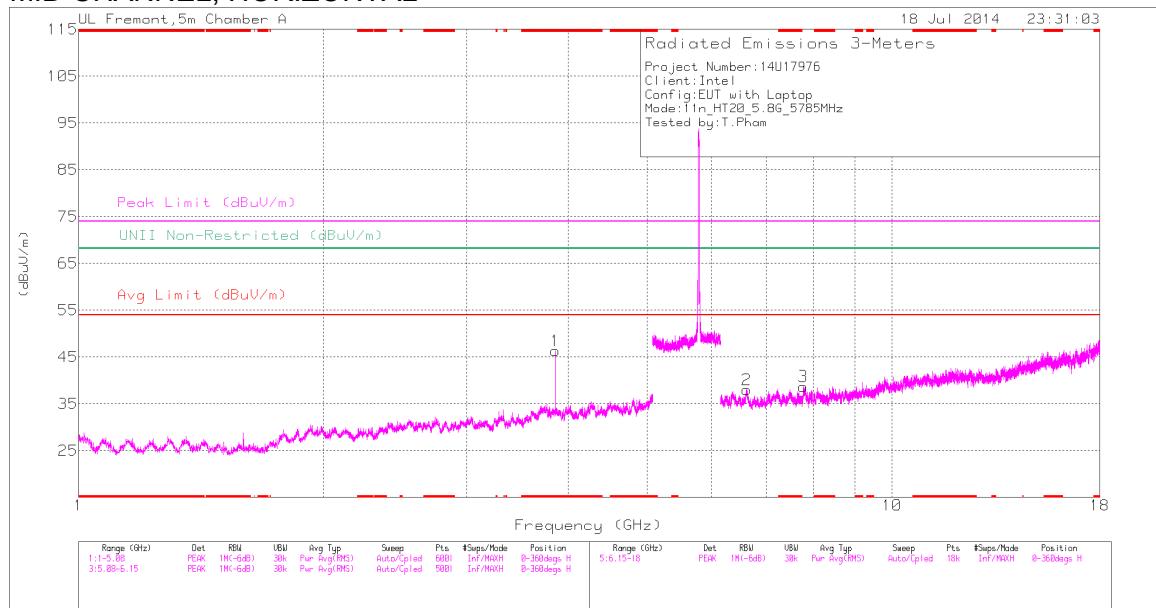
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ **MID CHANNEL**

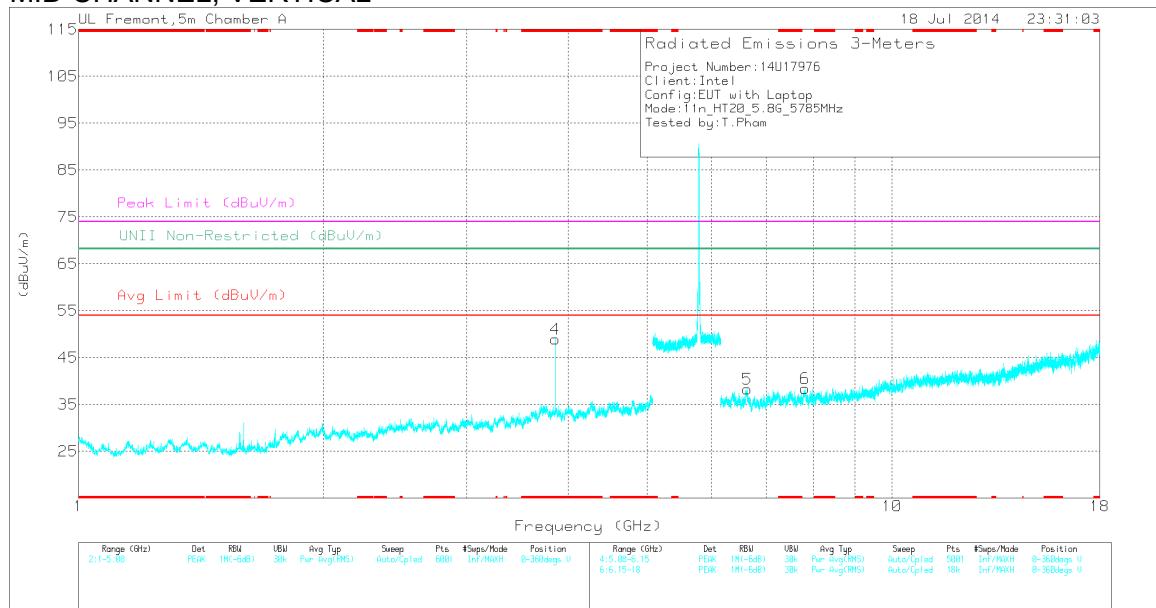
**MID CHANNEL, HORIZONTAL**



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Rev 9.5 10 Jul 2014

**MID CHANNEL, VERTICAL**



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ft 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	* 3.857	48.89	PK1	33.7	-31.1	0	51.49	-	-	74	-22.51	-	-	14	313	H
	* 3.857	46.06	AD1	33.7	-31.1	0	48.66	54	-5.34	-	-	-	-	14	313	H
4	* 3.856	50.66	PK1	33.7	-31.1	0	53.26	-	-	74	-20.74	-	-	239	300	V
	* 3.857	47.84	AD1	33.7	-31.1	0	50.44	54	-3.56	-	-	-	-	239	300	V
2	6.628	37.07	PK1	35.4	-25.8	0	46.67	-	-	-	-	68.2	-21.53	239	100	H
5	6.638	35.82	PK1	35.4	-26.2	0	45.02	-	-	-	-	68.2	-23.18	239	100	V
3	7.778	35.43	PK1	35.4	-25.6	0	45.23	-	-	-	-	68.2	-22.97	239	100	H
6	7.818	34.81	PK1	35.5	-24.4	0	45.91	-	-	-	-	68.2	-22.29	239	100	V

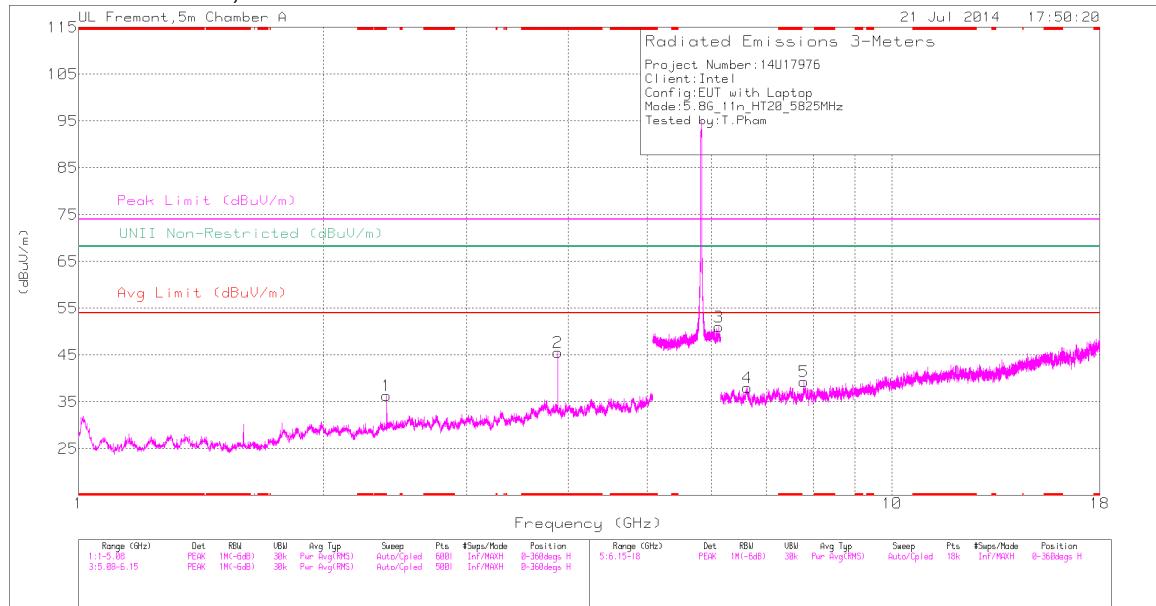
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ **HIGH CHANNEL**

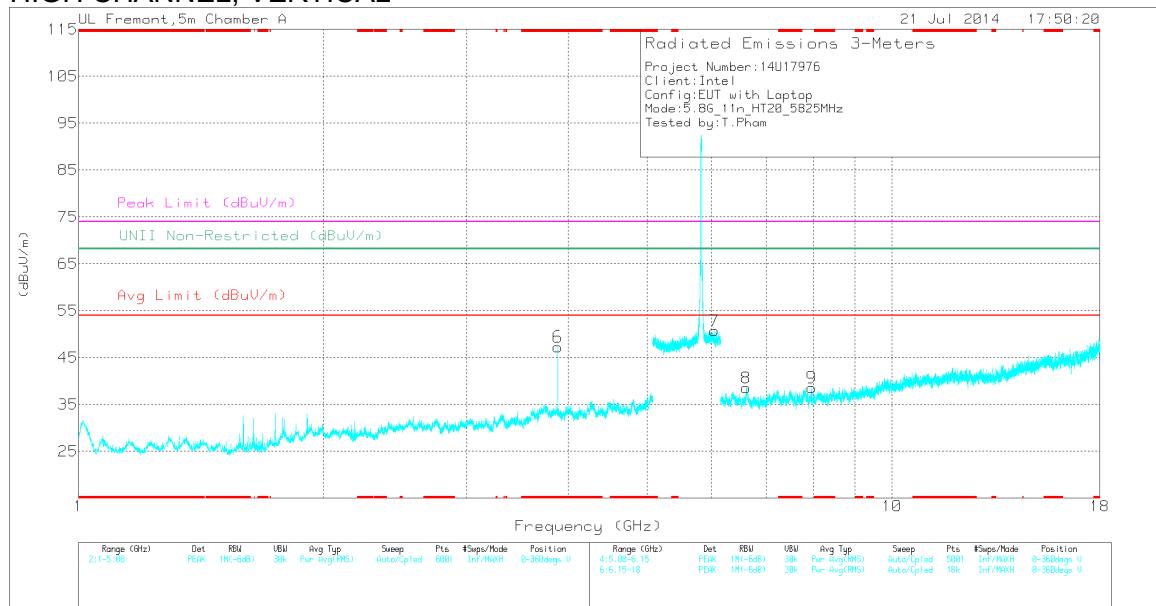
**HIGH CHANNEL, HORIZONTAL**



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

**HIGH CHANNEL, VERTICAL**



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ft 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
2	* 3.883	47.11	PK1	33.8	-31.5	0	49.41	-	-	74	-24.59	-	-	169	100	H
	* 3.883	42.76	AD1	33.8	-31.5	0	45.06	54	-8.94	-	-	-	-	169	100	H
6	* 3.883	50.16	PK1	33.8	-31.5	0	52.46	-	-	74	-21.54	-	-	225	388	V
	* 3.883	46.5	AD1	33.8	-31.5	0	48.8	54	-5.2	-	-	-	-	225	388	V
1	2.391	39.58	PK1	32.2	-34.4	0	37.38	-	-	-	-	68.2	-30.82	53	205	H
7	6.048	41.55	PK1	35.4	-18.5	0	58.45	-	-	-	-	68.2	-9.75	225	296	V
3	6.124	40.59	PK1	35.4	-18.4	0	57.59	-	-	-	-	68.2	-10.61	225	100	H
8	6.617	35.94	PK1	35.5	-25.7	0	45.74	-	-	-	-	68.2	-22.46	310	202	V
4	6.637	37.07	PK1	35.4	-26.2	0	46.27	-	-	-	-	68.2	-21.93	159	100	H
5	7.793	35.32	PK1	35.5	-25.3	0	45.52	-	-	-	-	68.2	-22.68	310	100	H
9	7.968	35.76	PK1	35.5	-25.7	0	45.56	-	-	-	-	68.2	-22.64	193	202	V

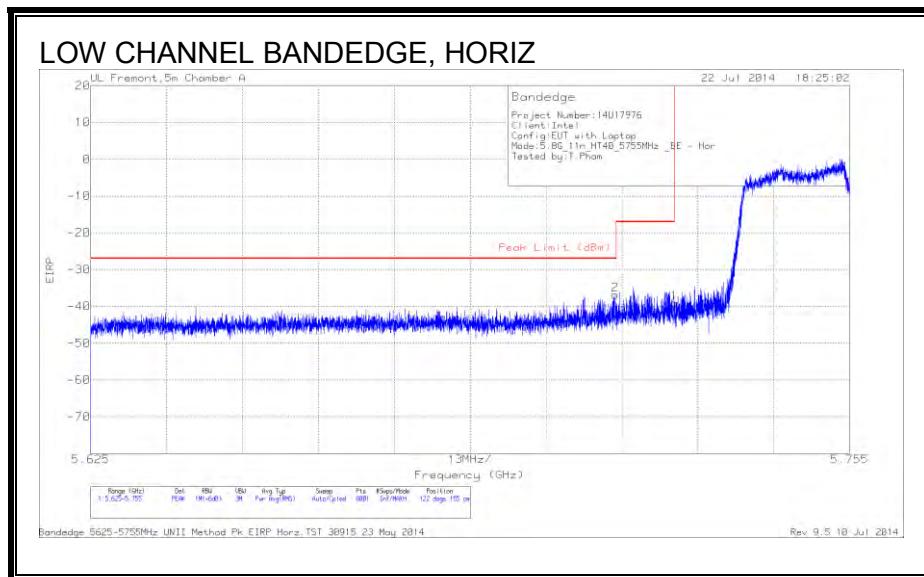
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

### 9.2.13. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND

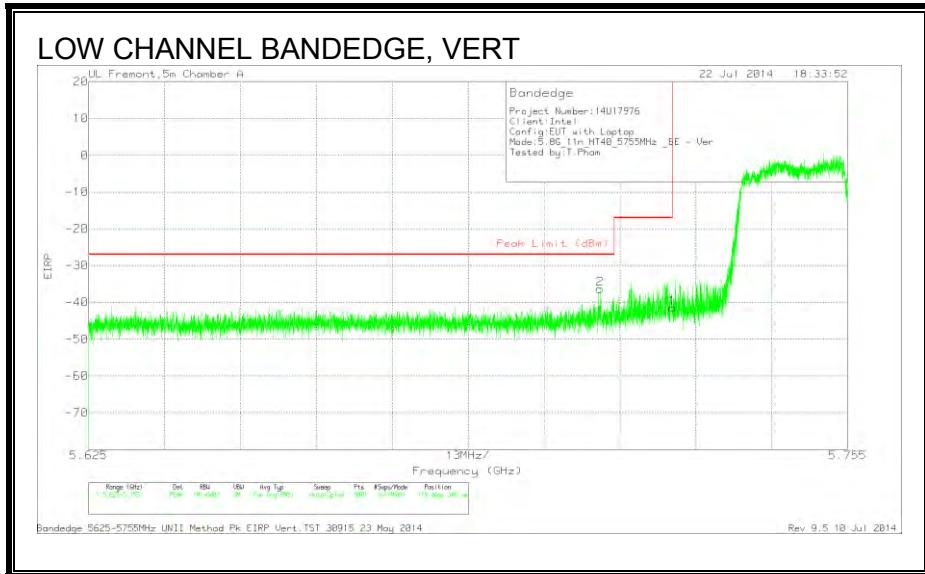
#### BANDEdge (Low Channel)



#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.715	-63.65	PK	34.6	-19.6	11.8	0	-36.85	-27	-9.85	122	155	H
1	5.725	-65.82	PK	34.6	-19.6	11.8	0	-39.02	-17	-22.02	122	155	H

PK - Peak detector

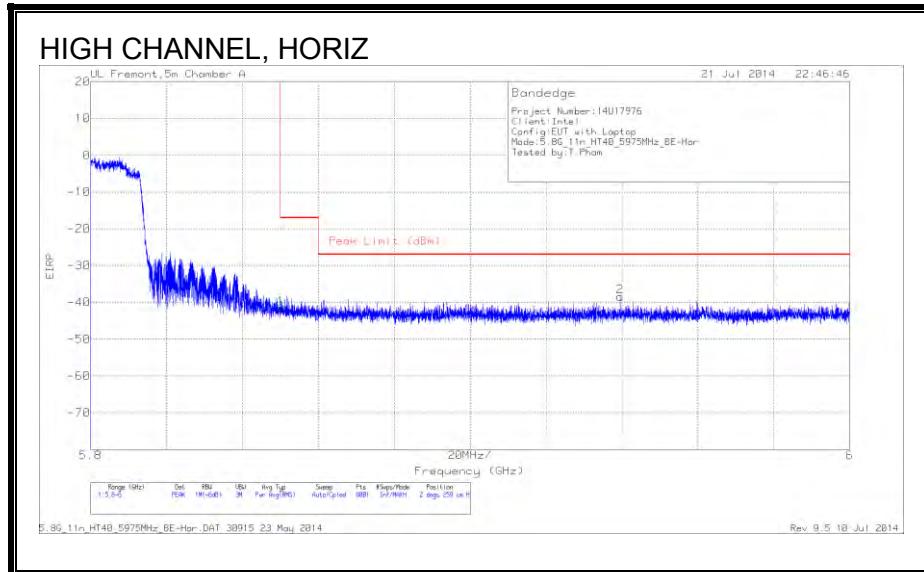


### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	-63.08	PK	34.5	-19.6	11.8	0	-36.38	-27	-9.38	119	346	V
1	5.725	-68.27	PK	34.6	-19.6	11.8	0	-41.47	-17	-24.47	119	346	V

PK - Peak detector

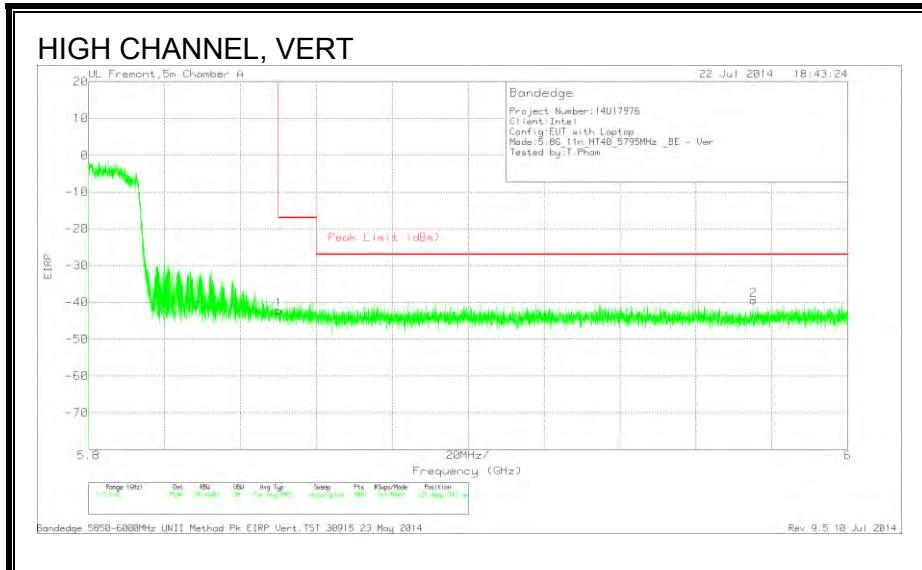
**BANDEDGE (HIGH CHANNEL)**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (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	-69.12	PK	34.9	-19.2	11.8	-41.62	-17	-24.62	2	259	H
2	5.94	-66.07	PK	35.1	-19.2	11.8	-38.37	-27	-11.37	2	259	H

PK - Peak detector



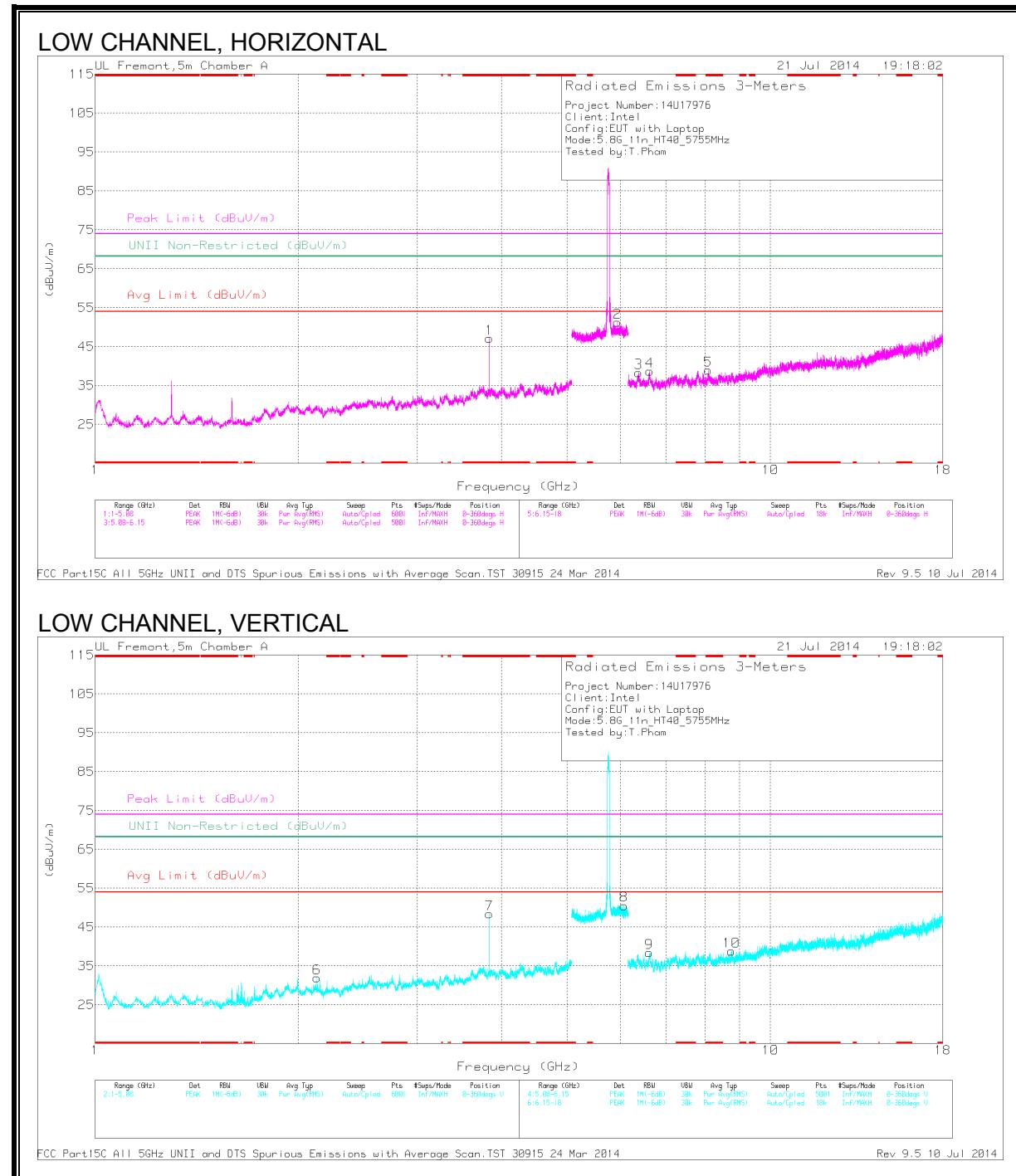
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.67	PK	34.9	-19.2	11.8	0	-42.17	-17	-25.17	125	343	V
2	5.975	-66.86	PK	35.2	-19.6	11.8	0	-39.46	-27	-12.46	125	343	V

PK - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL



## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ft 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	* 3.837	48.44	PK1	33.7	-30.9	0	51.24	-	-	74	-22.76	-	-	117	192	H
	* 3.837	44.36	AD1	33.7	-30.9	.75	47.91	54	-6.09	-	-	-	-	117	192	H
7	* 3.837	50.24	PK1	33.7	-30.9	0	53.04	-	-	74	-20.96	-	-	211	302	V
	* 3.837	46.61	AD1	33.7	-30.9	.75	50.16	54	-3.84	-	-	-	-	211	302	V
5	* 8.091	35.7	PK1	35.5	-25.4	0	45.8	-	-	74	-28.2	-	-	138	214	H
	* 8.088	24.24	AD1	35.5	-25.5	.75	34.99	54	-19.01	-	-	-	-	138	214	H
6	2.131	40.68	PK1	31.6	-34.1	0	38.18	-	-	-	-	68.2	-30.02	360	378	V
2	5.936	42.2	PK1	35.1	-19.3	0	58	-	-	-	-	68.2	-10.2	32	200	H
8	6.075	42.2	PK1	35.4	-19	0	58.6	-	-	-	-	68.2	-9.6	130	200	V
3	6.383	37.82	PK1	35.5	-27.2	0	46.12	-	-	-	-	68.2	-22.08	130	100	H
9	6.617	36.53	PK1	35.5	-25.7	0	46.33	-	-	-	-	68.2	-21.87	138	100	V
4	6.629	35.95	PK1	35.4	-25.8	0	45.55	-	-	-	-	68.2	-22.65	130	306	H
10	8.76	34.81	PK1	35.8	-25.2	0	45.41	-	-	-	-	68.2	-22.79	138	100	V

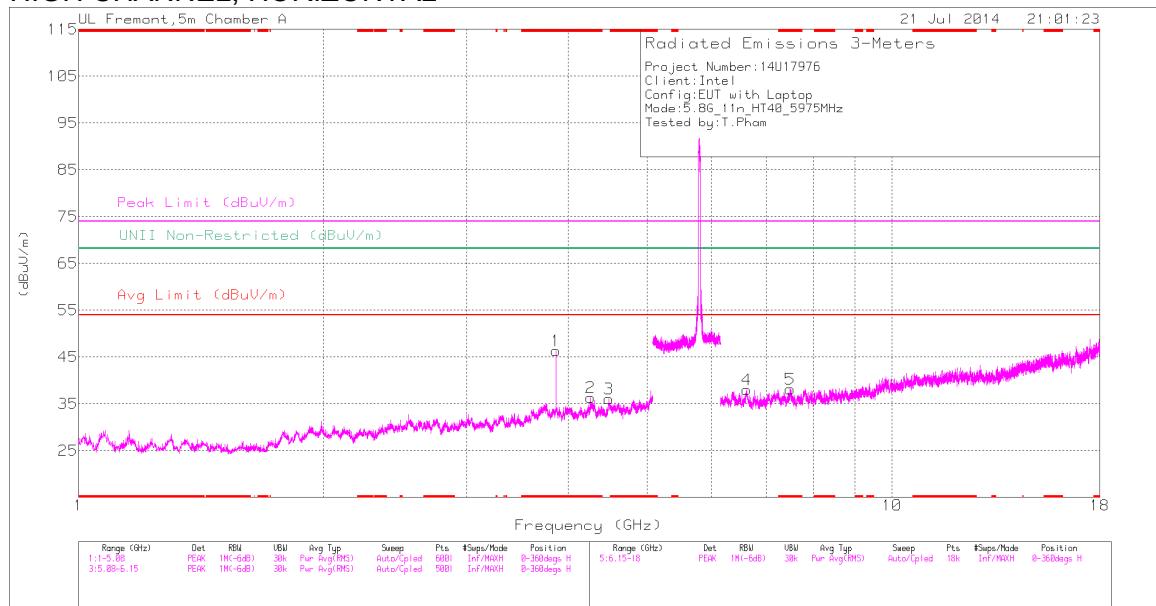
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

▪ **HIGH CHANNEL**

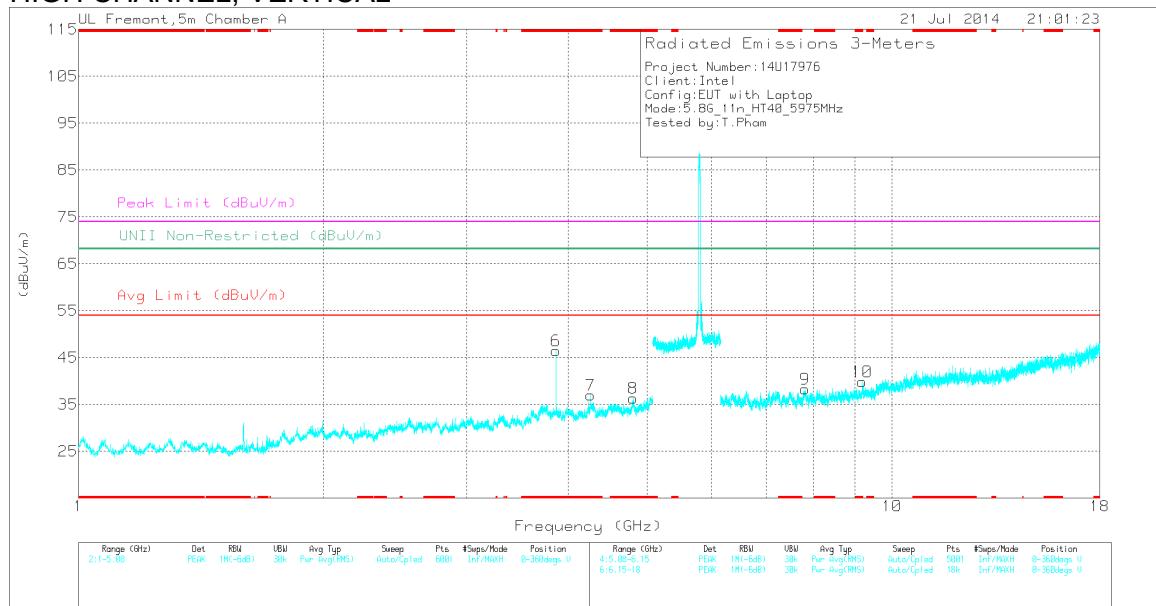
**HIGH CHANNEL, HORIZONTAL**



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

**HIGH CHANNEL, VERTICAL**



FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 10 Jul 2014

## Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ft 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	* 3.864	48.51	PK1	33.7	-30.8	0	51.41	-	-	74	-22.59	-	-	150	108	H
	* 3.863	44.3	AD1	33.7	-30.8	.75	47.95	54	-6.05	-	-	-	-	150	108	H
2	* 4.263	37.72	PK1	34	-28.1	0	43.62	-	-	74	-30.38	-	-	37	228	H
	* 4.265	26.24	AD1	34	-28.2	.75	32.79	54	-21.21	-	-	-	-	37	228	H
6	* 3.863	46.57	PK1	33.7	-30.8	0	49.47	-	-	74	-24.53	-	-	17	308	V
	* 3.863	40.91	AD1	33.7	-30.8	.75	44.56	54	-9.44	-	-	-	-	17	308	V
7	* 4.261	38.38	PK1	34	-28.1	0	44.28	-	-	74	-29.72	-	-	346	297	V
	* 4.263	26	AD1	34	-28.1	.75	32.65	54	-21.35	-	-	-	-	346	297	V
8	* 4.808	39.44	PK1	34	-29.1	0	44.34	-	-	74	-29.66	-	-	346	100	V
	* 4.805	27.96	AD1	34	-29.1	.75	33.61	54	-20.39	-	-	-	-	346	100	V
5	* 7.495	35.1	PK1	35.3	-25.1	0	45.3	-	-	74	-28.7	-	-	270	100	H
	* 7.494	23.83	AD1	35.3	-25.2	.75	34.68	54	-19.32	-	-	-	-	270	100	H
10	* 9.192	34.41	PK1	36.1	-24.2	0	46.31	-	-	74	-27.69	-	-	5	100	V
	* 9.191	23.25	AD1	36.1	-24.1	.75	36	54	-18	-	-	-	-	5	100	V
3	4.488	37.79	PK1	33.9	-28.7	0	42.99	-	-	-	-	68.2	-25.21	37	200	H
4	6.625	36.17	PK1	35.4	-25.8	0	45.77	-	-	-	-	68.2	-22.43	346	202	H
9	7.817	35.01	PK1	35.5	-24.4	0	46.11	-	-	-	-	68.2	-22.09	270	202	V

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

### 9.3. WORST-CASE 18-26 GHz

#### HARMONICS AND SPURIOUS EMISSIONS



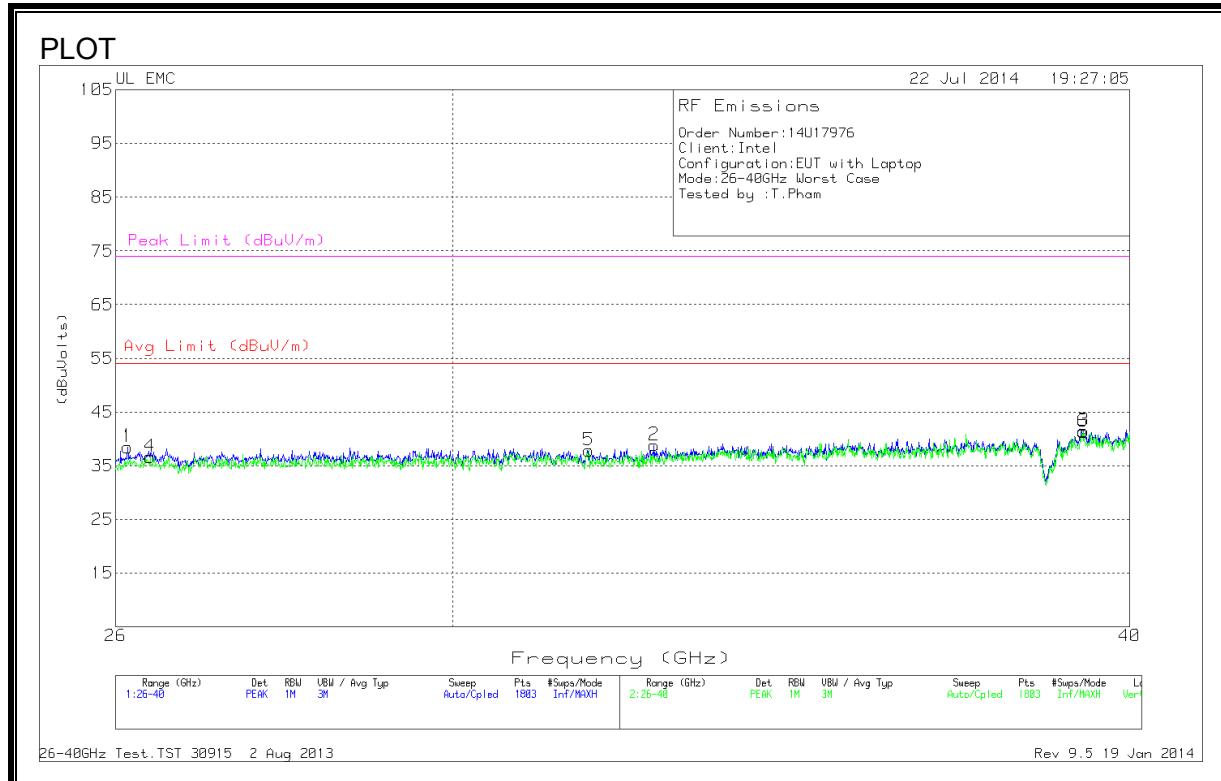
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T89 (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	18.087	41.5	PK	32.4	-24.9	-9.5	39.5	54	-14.5	74	-34.5
2	21.91	42.2	PK	33.3	-24	-9.5	42	54	-12	74	-32
3	23.955	43.77	PK	33.6	-22.7	-9.5	45.17	54	-8.83	74	-28.83
4	18.973	41.17	PK	32.5	-24.5	-9.5	39.67	54	-14.33	74	-34.33
5	22.117	41.97	PK	33.3	-23.6	-9.5	42.17	54	-11.83	74	-31.83
6	23.968	43.33	PK	33.6	-22.6	-9.5	44.83	54	-9.17	74	-29.17

PK - Peak detector

## 9.4. WORST-CASE 26-40 GHz

### HARMONICS AND SPURIOUS EMISSIONS



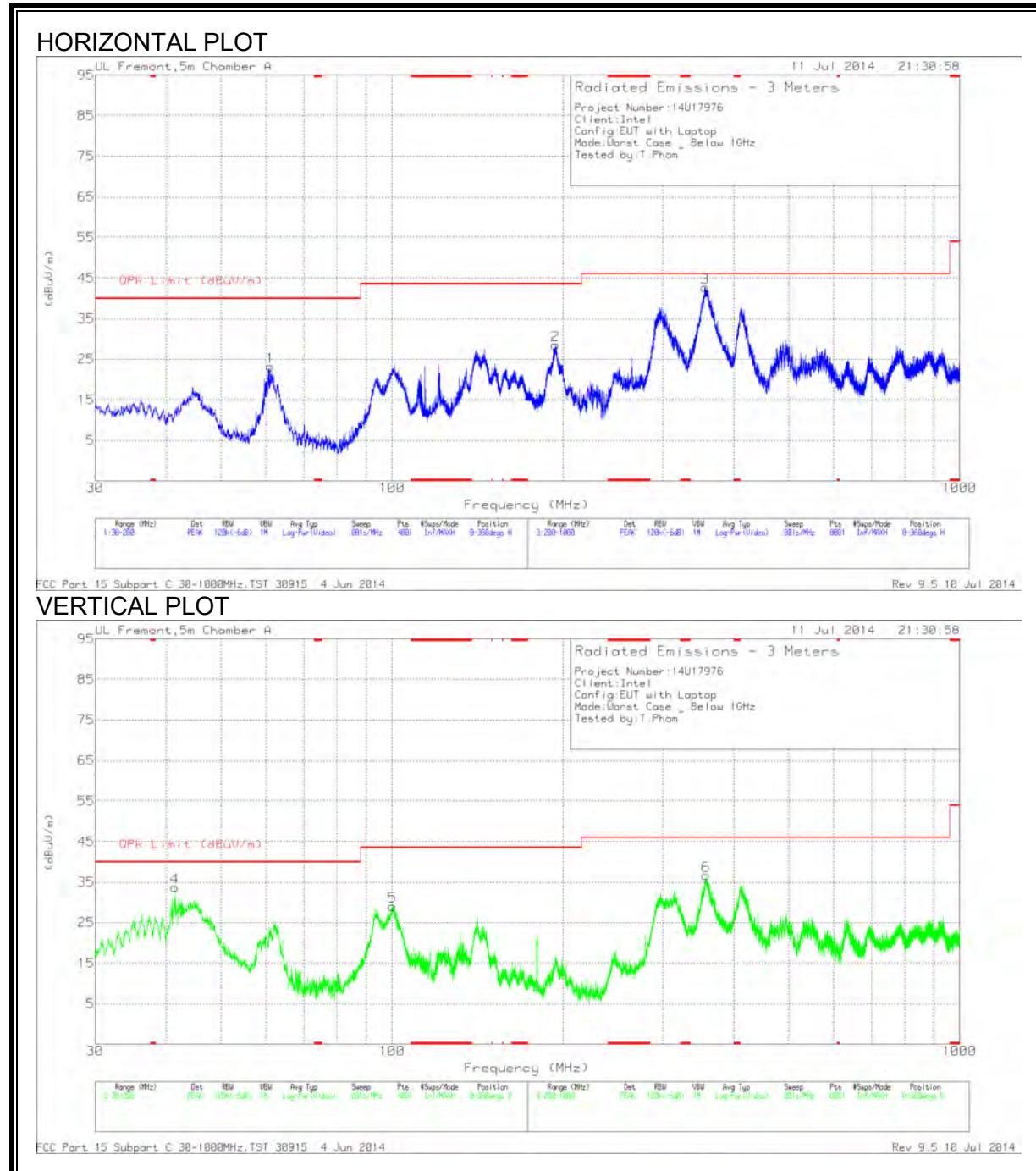
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 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	26.132	46.6	PK	35.6	-34.2	-9.5	38.5	54	-15.5	74	-35.5
2	32.681	48.03	PK	36.5	-36.2	-9.5	38.83	54	-15.17	74	-35.17
3	39.223	48.5	PK	38.5	-36	-9.5	41.5	54	-12.5	74	-32.5
4	26.381	44.87	PK	35.5	-34.2	-9.5	36.67	54	-17.33	74	-37.33
5	31.788	47.33	PK	36.3	-36.3	-9.5	37.83	54	-16.17	74	-36.17
6	39.215	48.43	PK	38.4	-36	-9.5	41.33	54	-12.67	74	-32.67

PK - Peak detector

## 9.5. WORST-CASE BELOW 1 GHz

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



Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB/m)	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	41.4325	51.47	PK	13.2	-30.9	0	33.77	40	-6.23	0-360	101	V
1	61.0675	45.97	PK	7.8	-30.6	0	23.17	40	-16.83	0-360	400	H
5	100.0825	49.29	PK	10.2	-30.4	0	29.09	43.52	-14.43	0-360	101	V
2	194.0075	46.77	PK	11.8	-30	0	28.57	43.52	-14.95	0-360	101	H
3	355.833	53.13	QP	14.5	-28.9	0	38.73	46.02	-7.29	338	104	H
6	357.8	50.99	PK	14.6	-28.9	0	36.69	46.02	-9.33	0-360	300	V

PK - Peak detector

QP - Quasi-Peak detector

## 10. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

RSS-Gen 7.2.2

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.

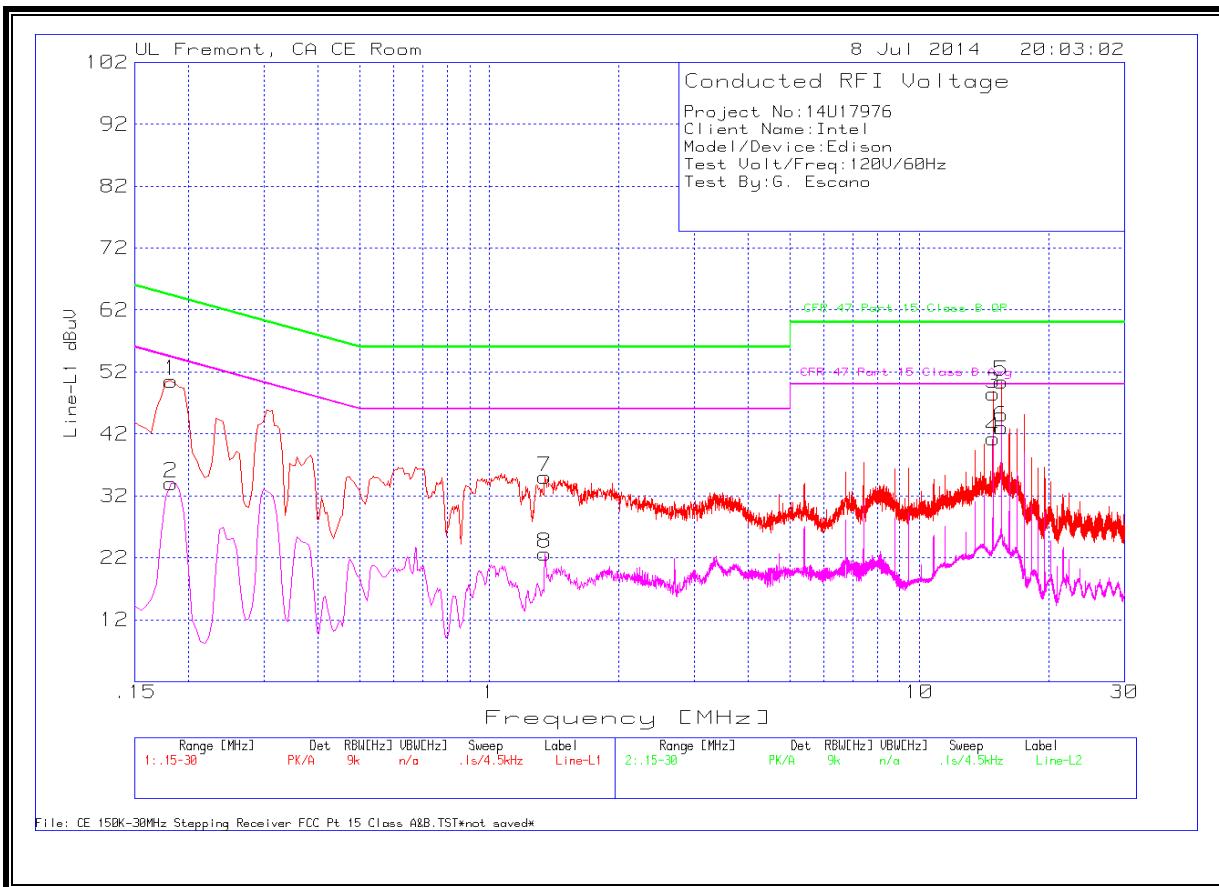
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

### RESULTS

## 6 WORST EMISSIONS

### LINE 1 RESULTS

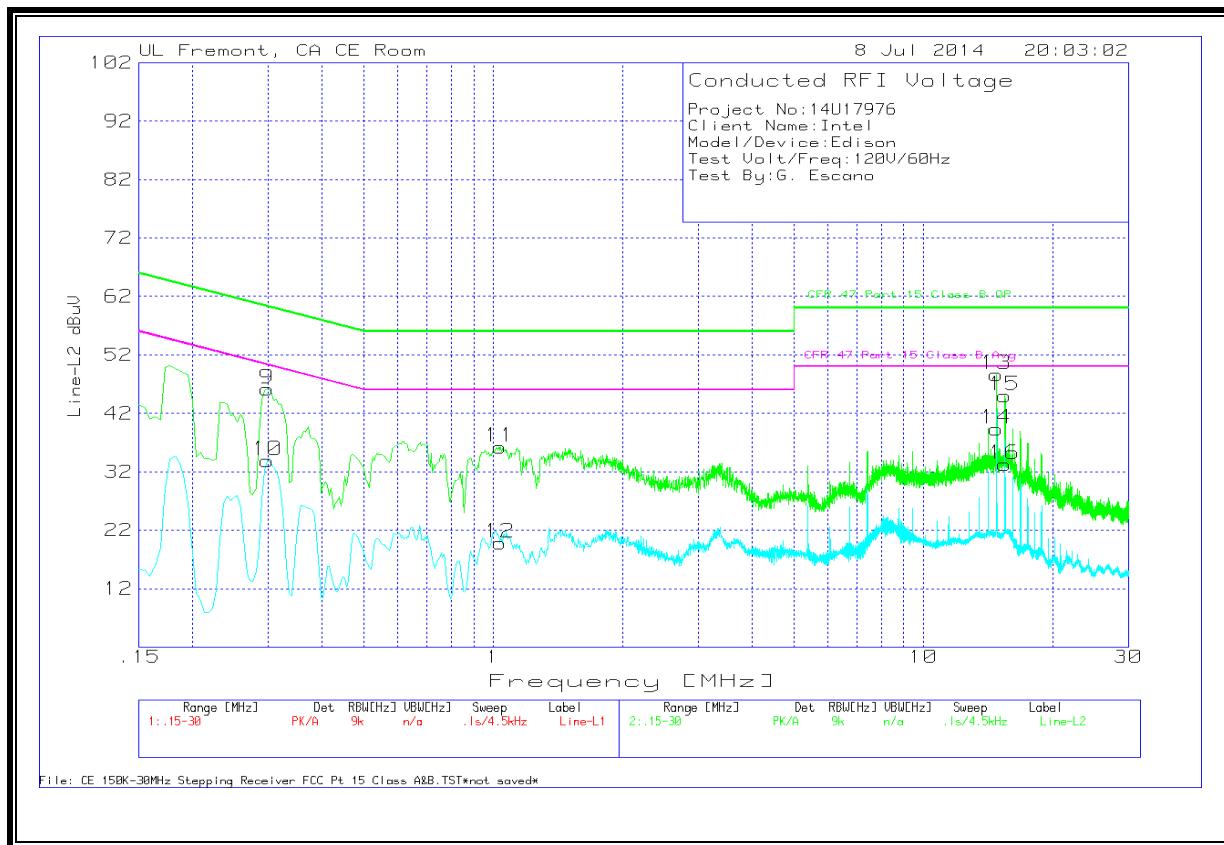


### Line-L1 .15 - 30MHz

#### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1 (dB)	LC Cables 1&3 (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	Margin to Limit (dB)	CFR 47 Part 15 Class B Avg	Margin to Limit (dB)
1	.1815	49.42	PK	1.1	0	50.52	64.4	-13.88	-	-
2	.1815	32.97	Av	1.1	0	34.07	64.4	-30.33	54.4	-20.33
7	1.347	34.71	PK	.2	.1	35.01	56	-20.99	-	-
8	1.347	22.4	Av	.2	.1	22.7	56	-33.3	46	-23.3
3	14.8335	48.14	PK	.2	.2	48.54	60	-11.46	-	-
4	14.8335	40.82	Av	.2	.2	41.22	60	-18.78	50	-8.78
5	15.5085	49.95	PK	.3	.2	50.45	60	-9.55	-	-
6	15.5085	42.59	Av	.3	.2	43.09	60	-16.91	50	-6.91

## LINE 2 RESULTS



### Line-L2 .15 - 30MHz

#### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2 (dB)	LC Cables 2&3 (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	Margin to Limit (dB)	CFR 47 Part 15 Class B Avg	Margin to Limit (dB)
9	.2985	45.54	PK	.6	0	46.14	60.3	-14.16	-	-
10	.2985	33.28	Av	.6	0	33.88	60.3	-26.42	50.3	-16.42
11	1.0365	35.96	PK	.3	0	36.26	56	-19.74	-	-
12	1.0365	19.49	Av	.3	0	19.79	56	-36.21	46	-26.21
13	14.811	48.08	PK	.3	.2	48.58	60	-11.42	-	-
14	14.811	38.81	Av	.3	.2	39.31	60	-20.69	50	-10.69
15	15.468	44.55	PK	.3	.2	45.05	60	-14.95	-	-
16	15.468	32.8	Av	.3	.2	33.3	60	-26.7	50	-16.7

PK - Peak detector

Av - average detection