

RESULTS

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Mid	5775	5.13	30.00	30	36	30.00

Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Mid	5775	13.20	13.30	13.60	18.14	30.00	-11.86

Note: the power readings above are measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.

POWER SPECTRAL DENSITY**LIMITS**

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DIRECTIONAL ANTENNA GAIN

For PSD, the TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Chain 2 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.66	5.93	6.04	9.78

RESULTS

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Directional Gain for PPSD (dBi)
Low	5775	9.78

Limits

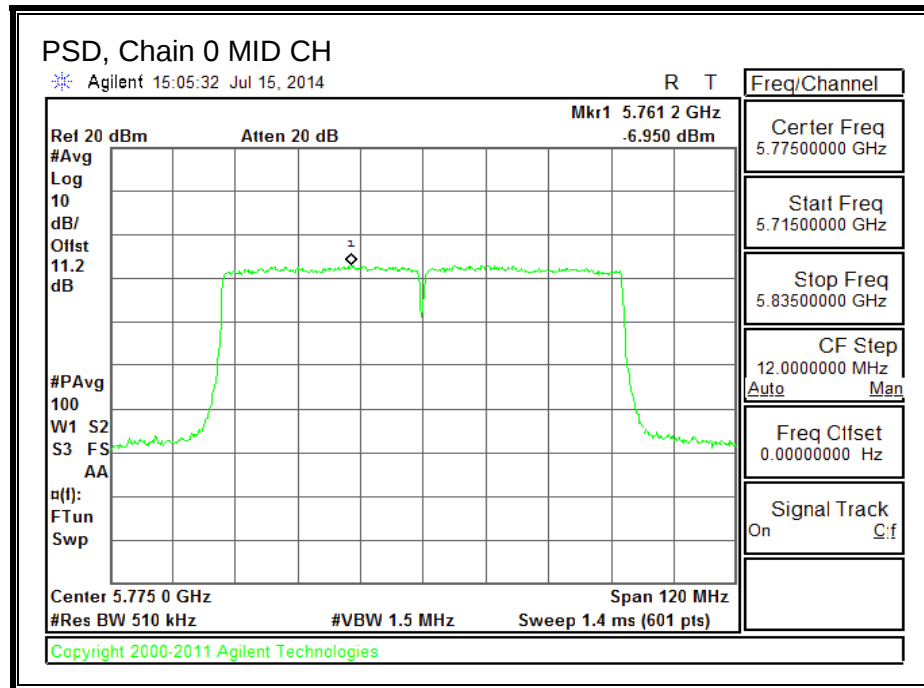
Channel	Frequency (MHz)	FCC PPSD Limit (dBm)
Low	5775	26.22

Duty Cycle CF (dB)	0.19	Included in Calculations of PPSD
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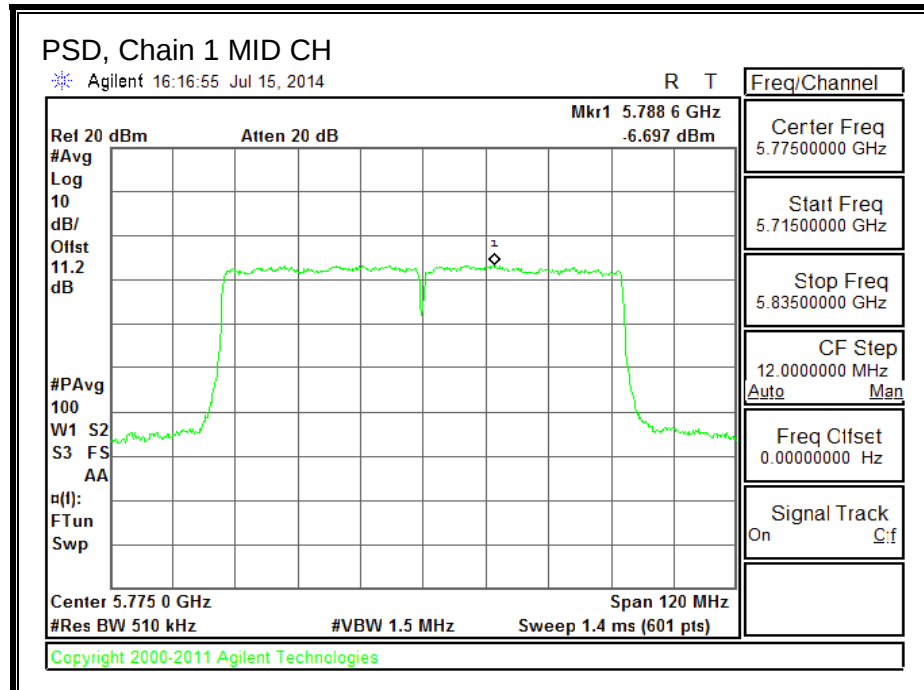
PPSD Results

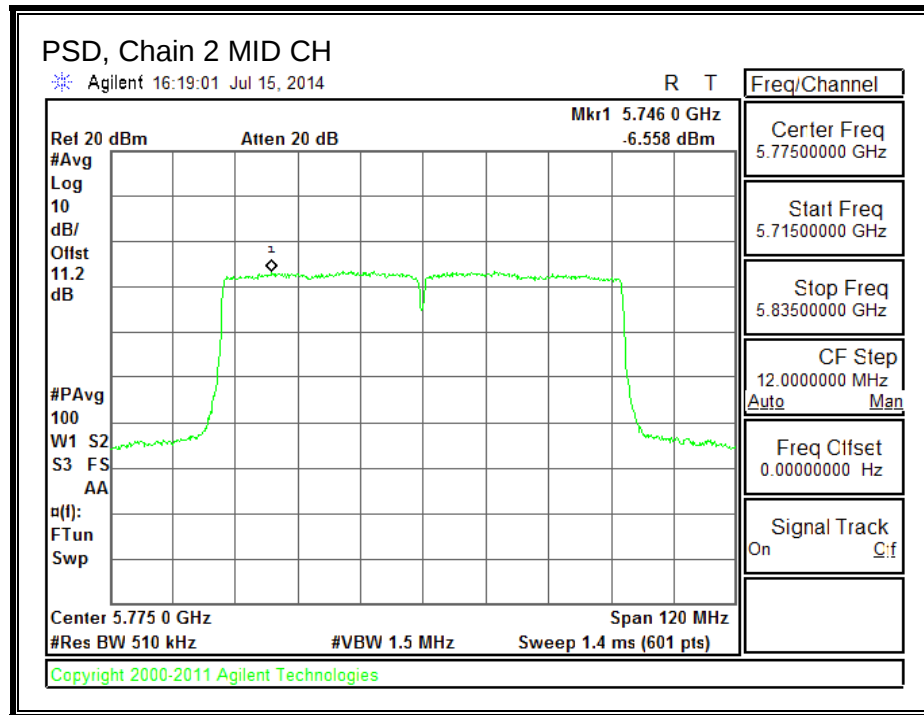
Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Chain 2 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5775	-6.950	-6.697	-6.558	-1.77	26.22	-27.99

PSD, Chain 0



PSD, Chain 1



PSD, Chain 2

12.2.3. **RADIATED TEST RESULTS**

LIMITS

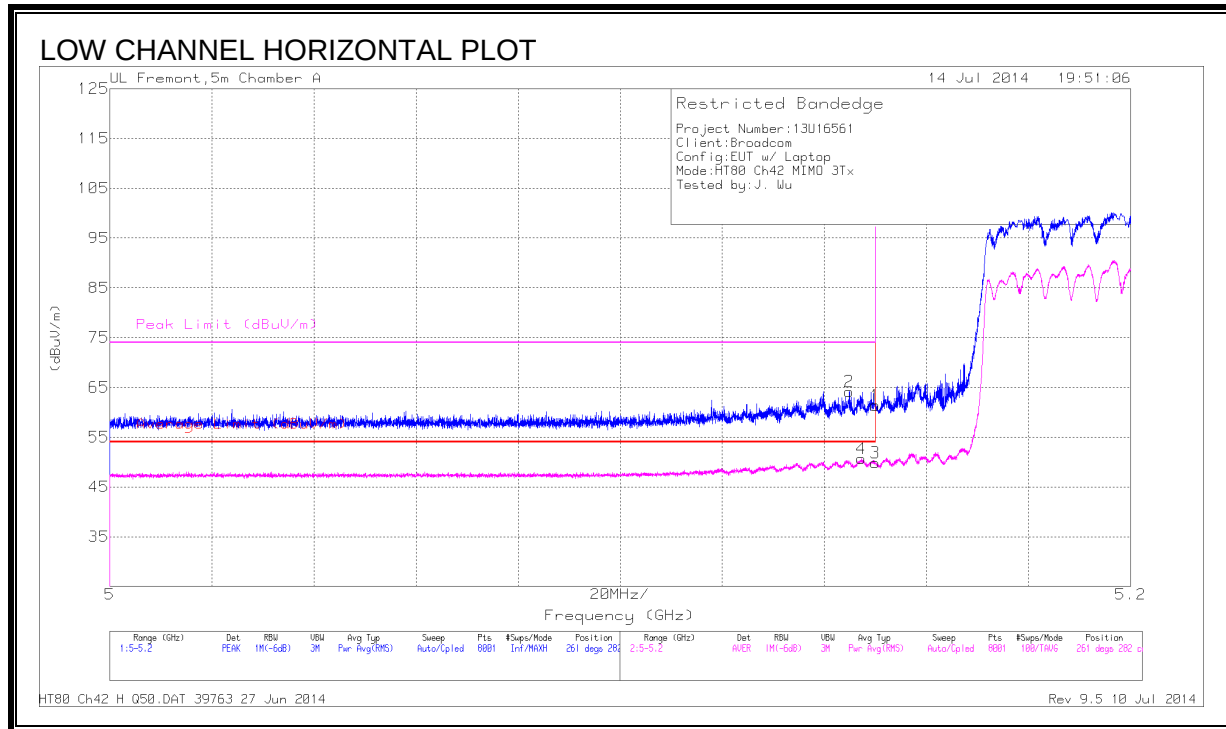
FCC §15.205 and §15.209

IC RSS-210 Clause 2.6 (Transmitter)

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

12.2.3.1. TX ABOVE 1 GHz 802.11ac VHT80 CDD 3Tx MODE IN THE 5.2GHz BAND

RESTRICTED BANDEGE (LOW CHANNEL)

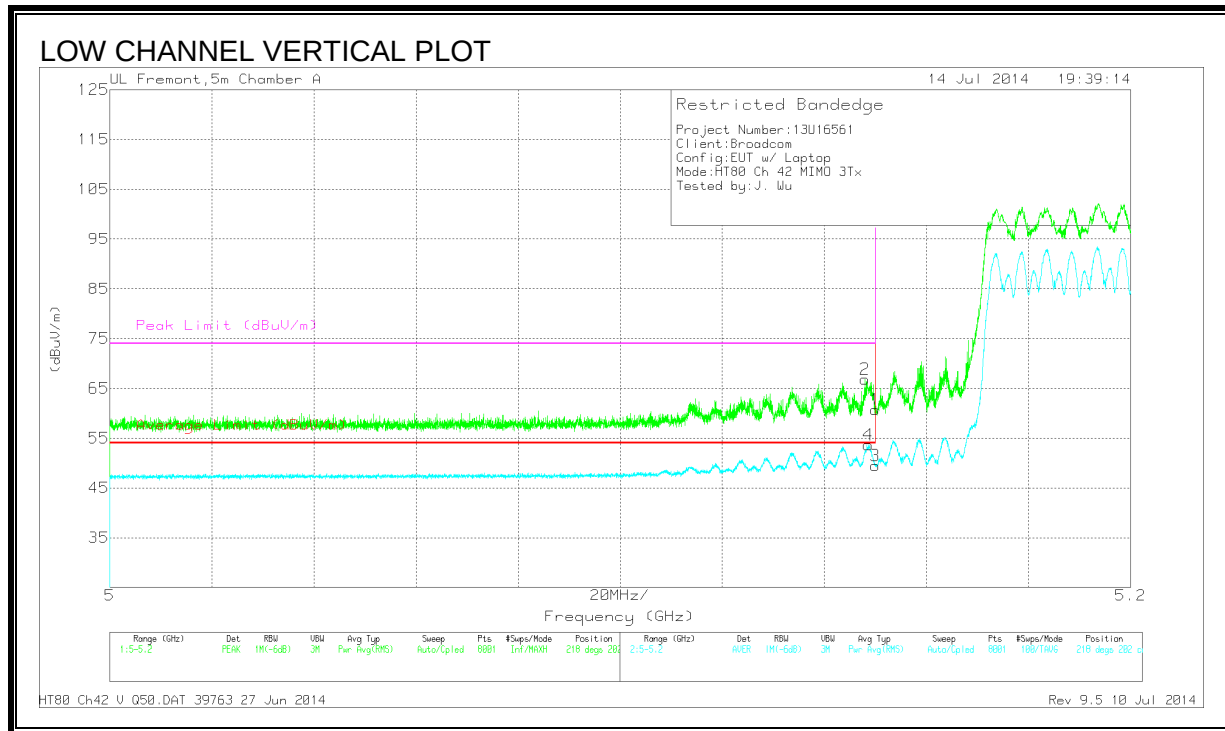


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Bypass (dB)	Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.145	15.26	PK	34	8.9	6	0	64.16	-	-	74	-9.84	261	282	H
4	* 5.147	1.57	RMS	34	8.9	6	.19	50.66	54	-3.34	-	-	261	282	H
1	* 5.15	12.4	PK	34	9	6	0	61.4	-	-	74	-12.6	261	282	H
3	* 5.15	.65	RMS	34	9	6	.19	49.84	54	-4.16	-	-	261	282	H

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

PK - Peak detector

RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Bypass (dB)	Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.148	17.94	PK	34	8.9	6	0	66.84	-	-	74	-7.16	218	202	V
4	* 5.149	4.45	RMS	34	9	6	-19	53.64	54	-36	-	-	218	202	V
1	* 5.15	11.77	PK	34	9	6	0	60.77	-	-	74	-13.23	218	202	V
3	* 5.15	.27	RMS	34	9	6	-19	49.46	54	-4.54	-	-	218	202	V

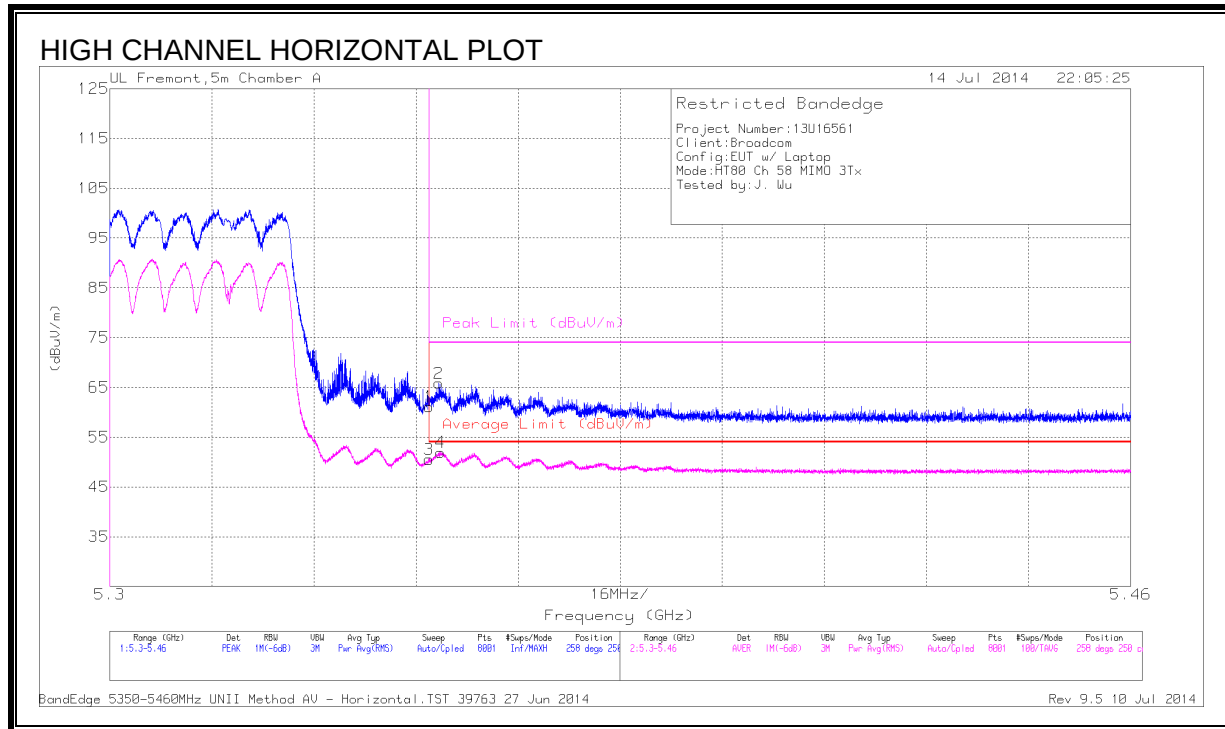
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

12.2.3.2. TX ABOVE 1 GHz 802.11ac VHT80 CDD 3Tx MODE IN THE 5.3GHz BAND

RESTRICTED BANDEGE (HIGH CHANNEL)

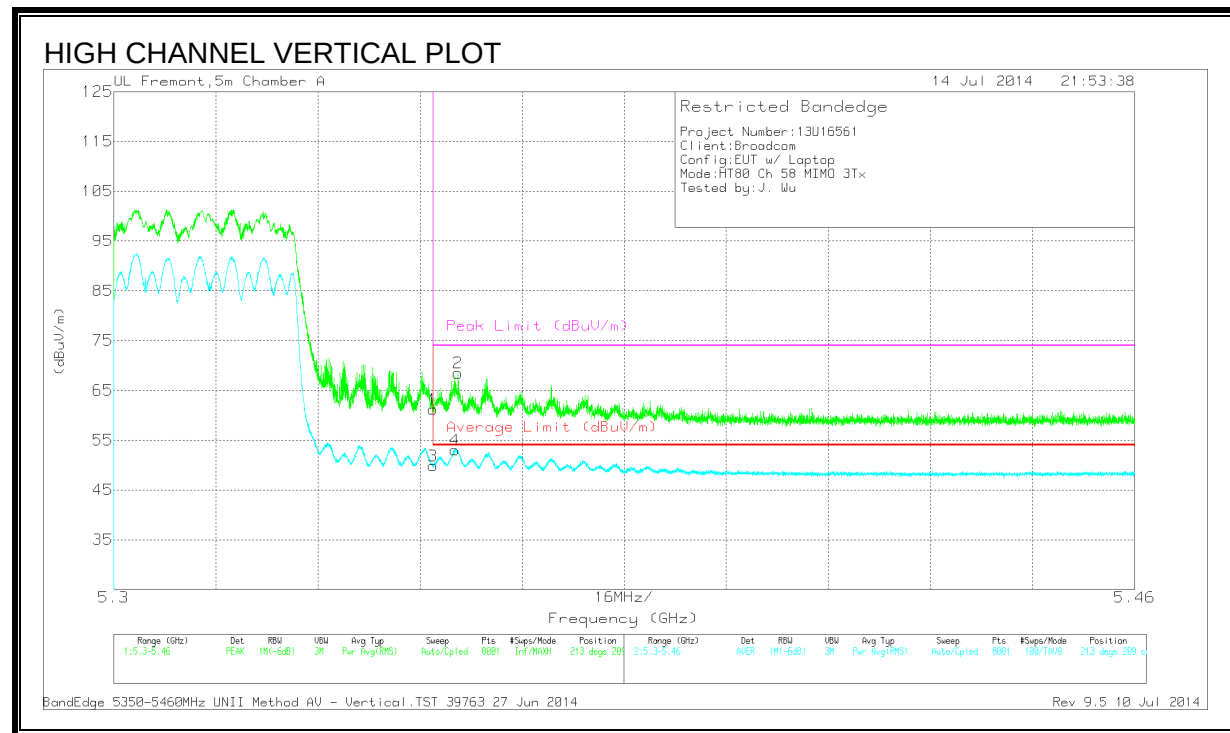


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Bypass (dB)	Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	11.63	PK	34.3	9.2	6	0	61.13	-	-	74	-12.87	258	250	H
3	* 5.35	1.02	RMS	34.3	9.2	6	.19	50.71	54	-3.29	-	-	258	250	H
2	* 5.352	16.35	PK	34.3	9.2	6	0	65.85	-	-	74	-8.15	258	250	H
4	* 5.352	2.44	RMS	34.3	9.2	6	.19	52.13	54	-1.87	-	-	258	250	H

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

PK - Peak detector

RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Bypass (dB)	Pad	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	11.67	PK	34.3	9.2	6	0	61.17	-	-	74	-12.83	213	209	V
3	* 5.35	.31	RMS	34.3	9.2	6	.19	50	54	-4	-	-	213	209	V
4	* 5.353	3.48	RMS	34.3	9.2	6	.19	53.17	54	-.83	-	-	213	209	V
2	* 5.354	18.99	PK	34.3	9.2	6	0	68.49	-	-	74	-5.51	213	209	V

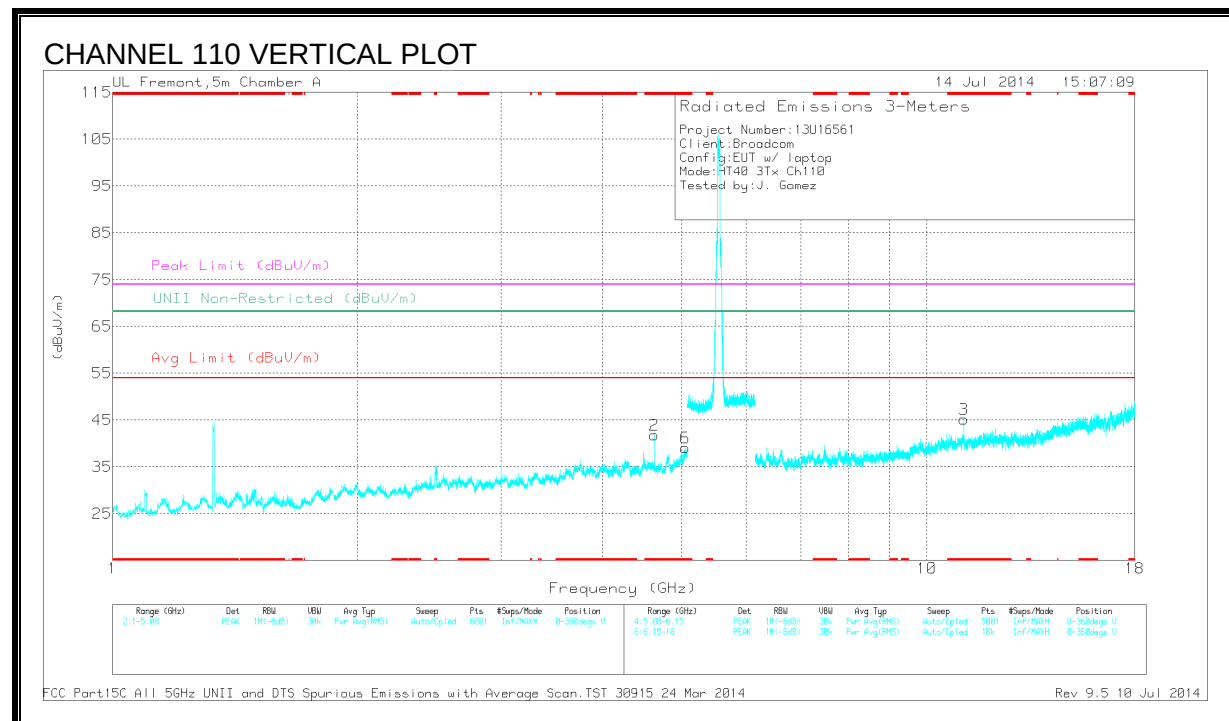
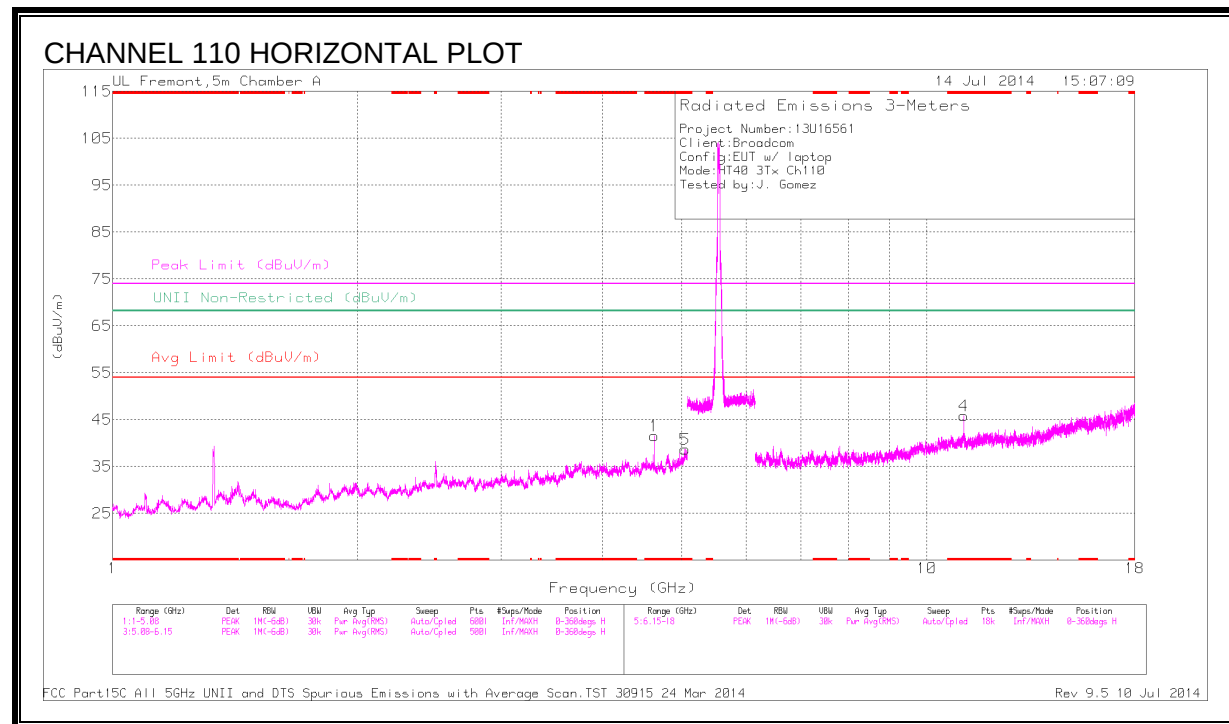
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

12.2.3.3. TX ABOVE 1 GHz 802.11n HT40 CDD 3Tx MODE IN THE 5.6GHz BAND

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.625	46.03	PK1	34	-29.7	50.33	-	-	74	-23.67	-	-	168	290	H
	* 4.625	40.63	AD1	34	-29.7	44.93	54	-9.07	-	-	-	-	168	290	H
5	* 5.048	42.39	PK1	33.8	-27.4	48.79	-	-	74	-25.21	-	-	176	381	H
	* 5.049	30	AD1	33.8	-27.4	36.4	54	-17.6	-	-	-	-	176	381	H
2	* 4.625	43.7	PK1	34	-29.7	48	-	-	74	-26	-	-	231	181	V
	* 4.625	37.29	AD1	34	-29.7	41.59	54	-12.41	-	-	-	-	231	181	V
6	* 5.044	41.34	PK1	33.8	-27.6	47.54	-	-	74	-26.46	-	-	223	246	V
	* 5.048	30.05	AD1	33.8	-27.4	36.45	54	-17.55	-	-	-	-	223	246	V
4	* 11.099	36.89	PK1	37.7	-22.3	52.29	-	-	74	-21.71	-	-	100	196	H
	* 11.099	26.16	AD1	37.7	-22.3	41.56	54	-12.44	-	-	-	-	100	196	H
3	* 11.101	36.35	PK1	37.7	-22.4	51.65	-	-	74	-22.35	-	-	173	159	V
	* 11.101	25.53	AD1	37.7	-22.4	40.83	54	-13.17	-	-	-	-	173	159	V

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

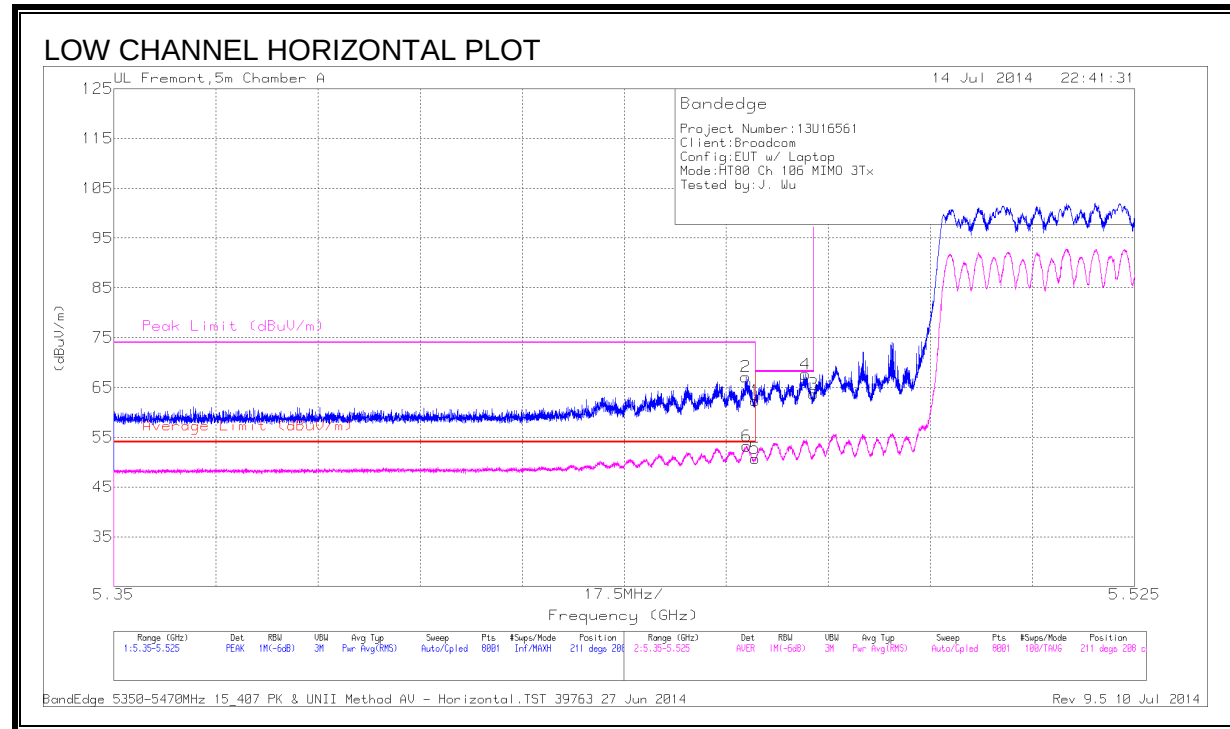
PK - Peak detector

PK1 - KDB 789033 Method: Peak

AD1 - KDB 789033 Method: AD Primary Power Average

12.2.3.4. TX ABOVE 1 GHz 802.11ac VHT80 CDD 3Tx MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

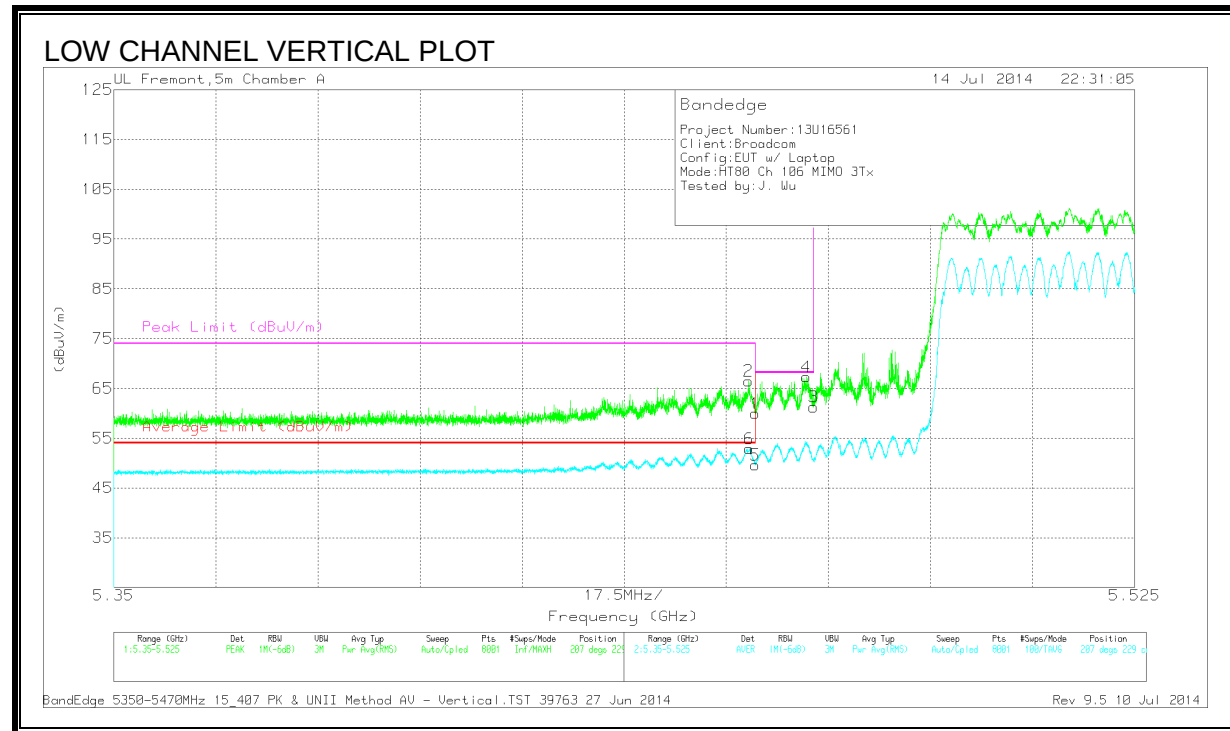


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Bypass (dB)	Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.458	17.42	PK	34.4	9.3	6	0	67.12	-	-	74	-6.88	211	208	V
6	* 5.458	3.33	RMS	34.4	9.3	6	.19	53.22	54	-78	-	-	211	208	V
1	* 5.46	12.63	PK	34.4	9.3	6	0	62.33	-	-	74	-11.67	211	208	V
5	* 5.46	.84	RMS	34.4	9.3	6	.19	50.73	54	-3.27	-	-	211	208	V
4	5.469	17.93	PK	34.4	9.3	6	0	67.63	-	-	68.2	-57	211	208	V
3	5.47	13.97	PK	34.4	9.3	6	0	63.67	-	-	68.2	-4.53	211	208	V

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

PK - Peak detector

RMS - RMS detection

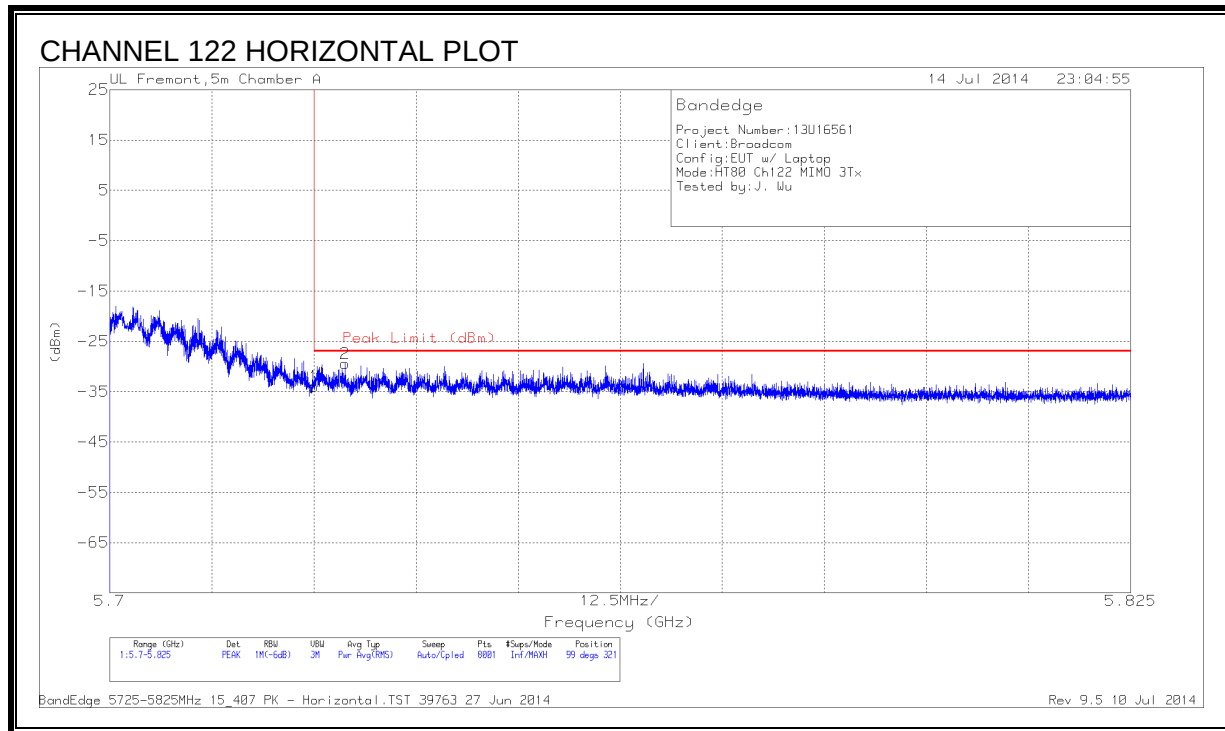


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Bypass (dB)	Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.459	16.79	PK	34.4	9.3	6	0	66.49	-	-	74	-7.51	207	229	V
6	* 5.459	3.01	RMS	34.4	9.3	6	.19	52.9	54	-1.1	-	-	207	229	V
1	* 5.46	10.28	PK	34.4	9.3	6	0	59.98	-	-	74	-14.02	207	229	V
5	* 5.46	-.28	RMS	34.4	9.3	6	.19	49.61	54	-4.39	-	-	207	229	V
4	5.469	17.62	PK	34.4	9.3	6	0	67.32	-	-	68.2	-.88	207	229	V
3	5.47	11.57	PK	34.4	9.3	6	0	61.27	-	-	68.2	-6.93	207	229	V

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

PK - Peak detector

RMS - RMS detection

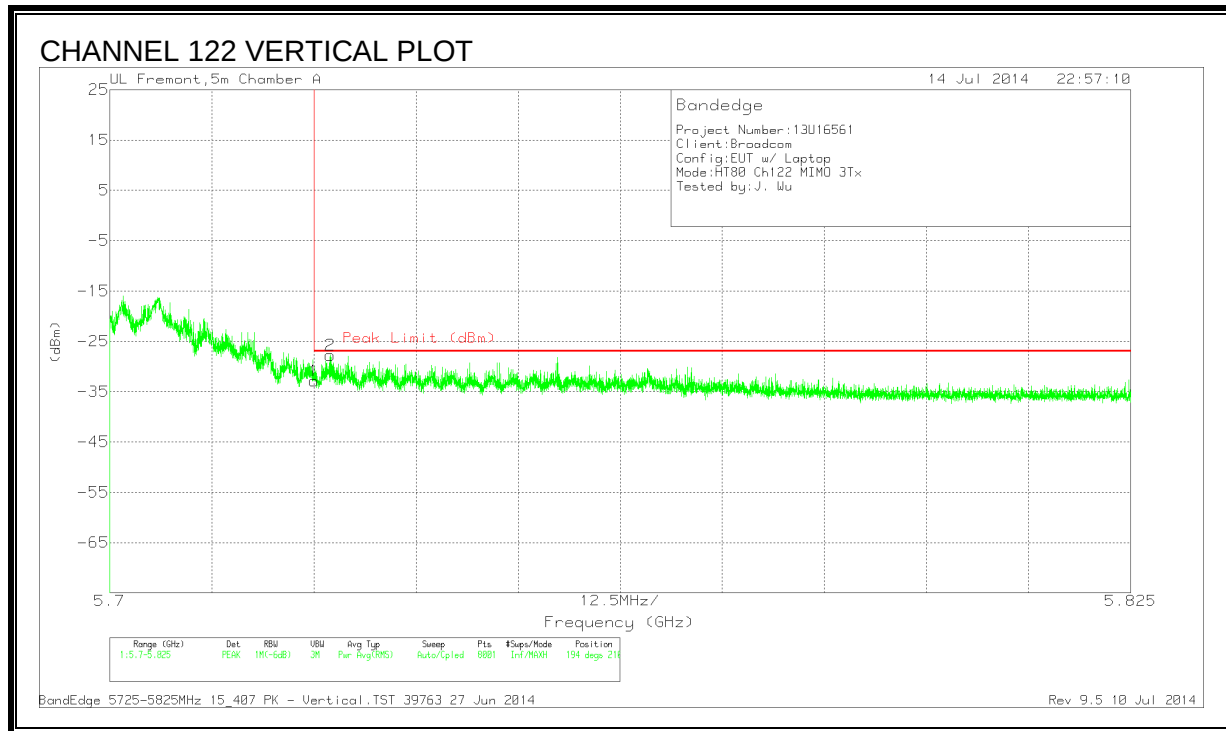
RESTRICTED BANDEDGE (CHANNEL 122)

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	Pad	Corrected Reading (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-95.94	PK	34.6	9.6	11.8	6	-33.94	-27	-6.94	99	321	H
2	5.729	-91.44	PK	34.6	9.6	11.8	6	-29.44	-27	-2.44	99	321	H

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

PK - Peak detector

RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	Pad	Corrected Reading (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-94.84	PK	34.6	9.6	11.8	6	-32.84	-27	-5.84	194	210	V
2	5.727	-89.76	PK	34.6	9.6	11.8	6	-27.76	-27	-.76	194	210	V

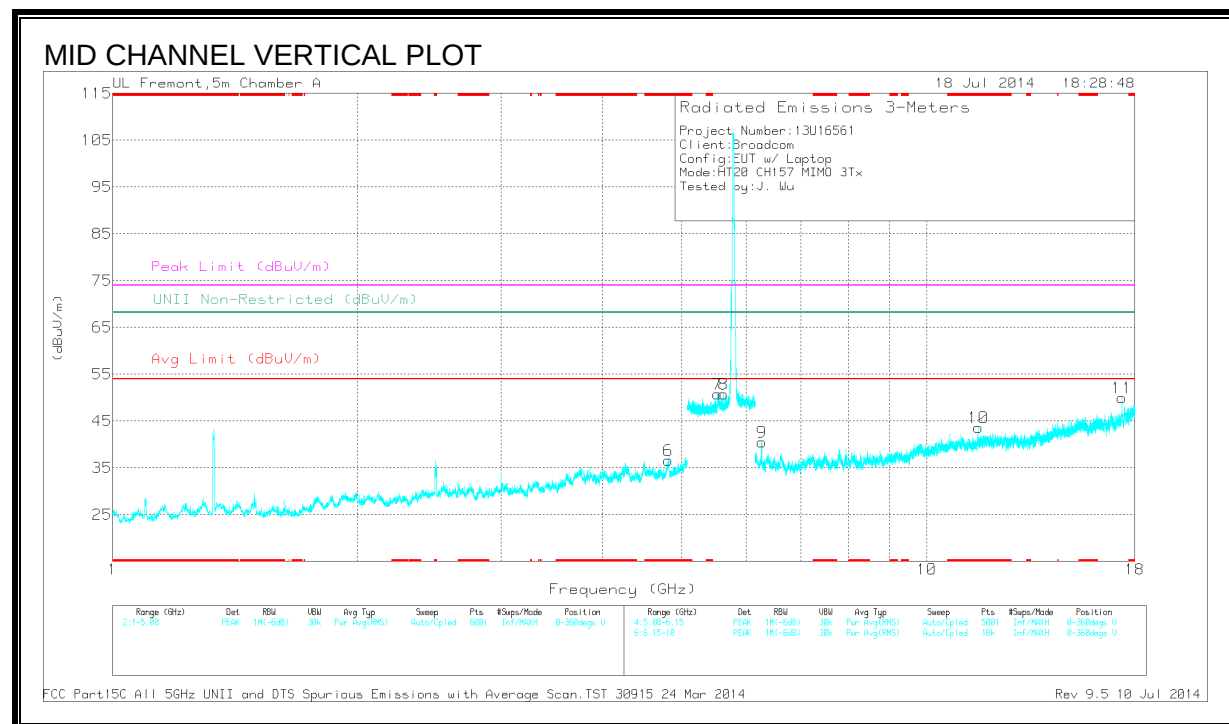
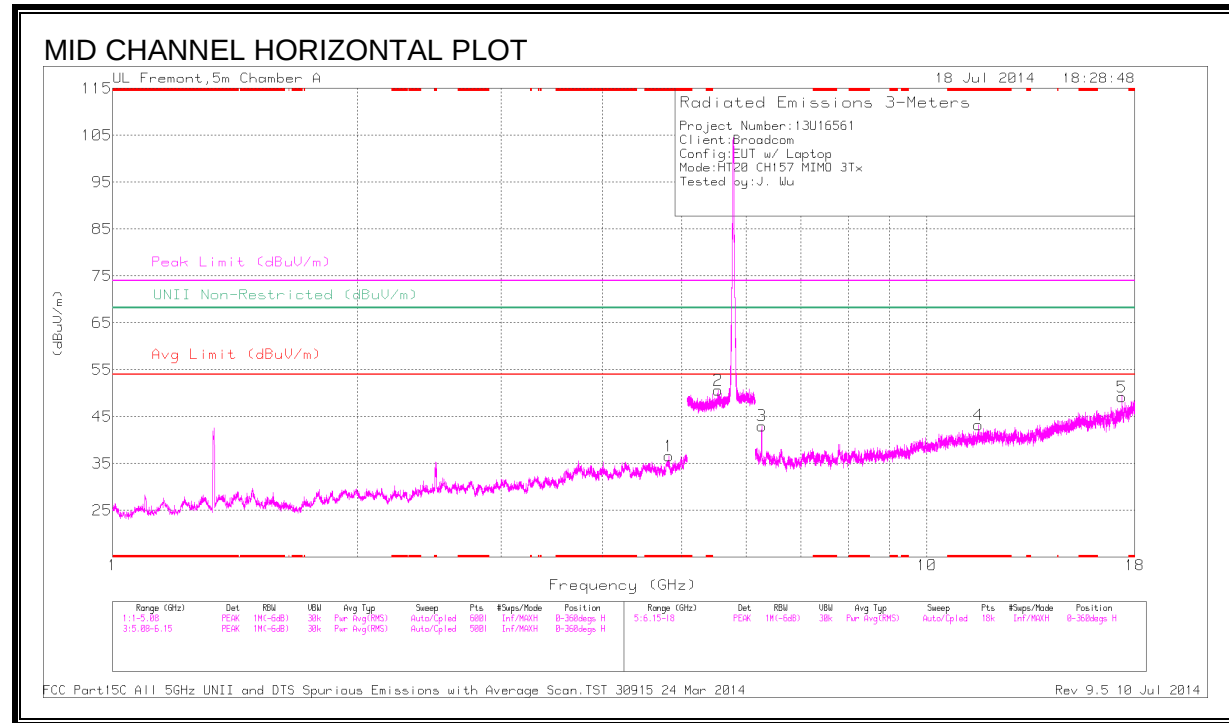
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

12.2.3.5. TX ABOVE 1 GHz 802.11n HT20 CDD 3Tx MODE IN THE 5.8GHz BAND

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.821	43.49	PK1	34	-29.3	48.19	-	-	74	-25.81	-	-	173	338	H
	* 4.821	35.84	AD1	34	-29.3	40.54	54	-13.46	-	-	-	-	173	338	H
6	* 4.814	39.02	PK1	34	-29	44.02	-	-	74	-29.98	-	-	210	351	V
	* 4.813	28.49	AD1	34	-29	33.49	54	-20.51	-	-	-	-	210	351	V
4	* 11.573	35.45	PK1	38.4	-22.3	51.55	-	-	74	-22.45	-	-	98	223	H
	* 11.568	25.58	AD1	38.4	-22.4	41.58	54	-12.42	-	-	-	-	98	223	H
10	* 11.567	35.57	PK1	38.4	-22.5	51.47	-	-	74	-22.53	-	-	96	397	V
	* 11.572	24.54	AD1	38.4	-22.2	40.74	54	-13.26	-	-	-	-	96	397	V
7	5.539	44.46	PK1	34.4	-19.7	59.16	-	-	-	-	68.2	-9.04	201	221	V
2	5.544	44.3	PK1	34.4	-19.9	58.8	-	-	-	-	68.2	-9.4	111	262	H
8	5.629	44.28	PK1	34.4	-20.2	58.48	-	-	-	-	68.2	-9.72	200	197	V
3	6.267	45.02	PK1	35.5	-27.8	52.72	-	-	-	-	68.2	-15.48	266	243	H
9	6.263	38.87	PK1	35.5	-27.7	46.67	-	-	-	-	68.2	-21.53	190	180	V
5	17.354	35.61	PK1	41	-19.3	57.31	-	-	-	-	68.2	-10.89	126	211	H
11	17.359	40.22	PK1	41	-19.1	62.12	-	-	-	-	68.2	-6.08	191	129	V

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

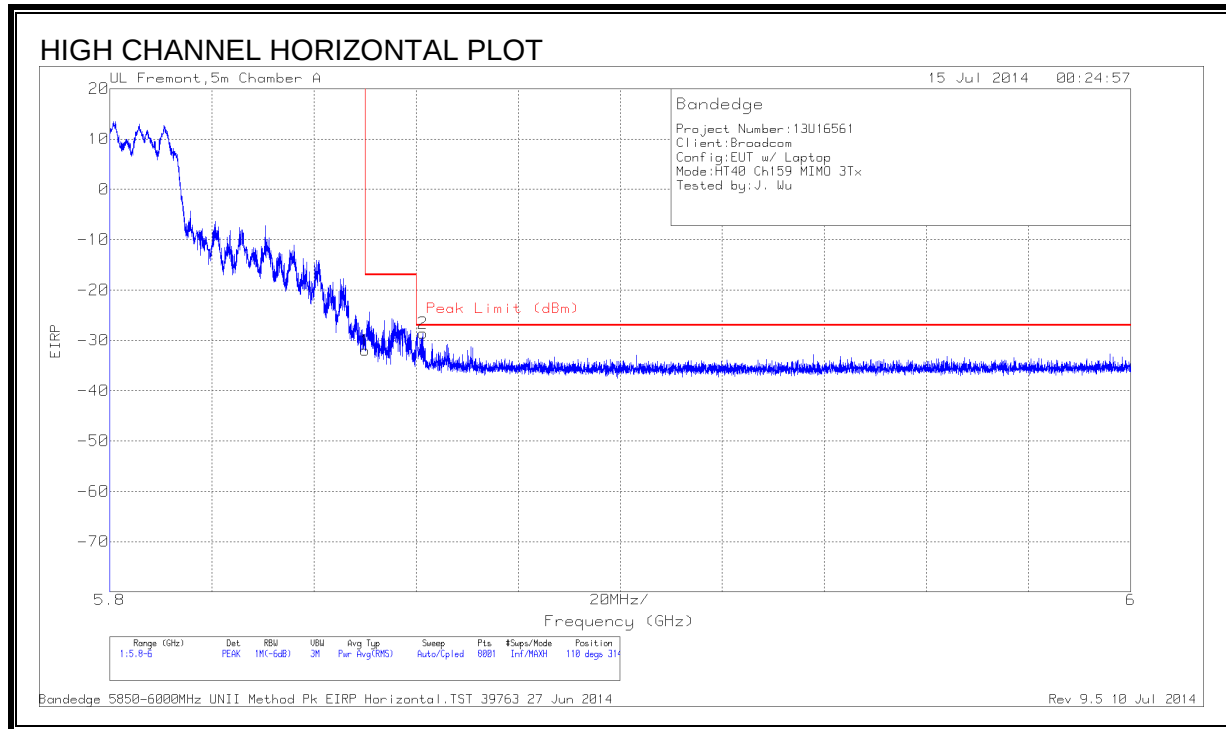
PK - Peak detector

PK1 - KDB 789033 Method: Peak

AD1 - KDB 789033 Method: AD Primary Power Average

12.2.3.6. TX ABOVE 1 GHz 802.11n HT40 CDD 3Tx MODE IN THE 5.8GHz BAND

RESTRICTED BANDEGE (HIGH CHANNEL)

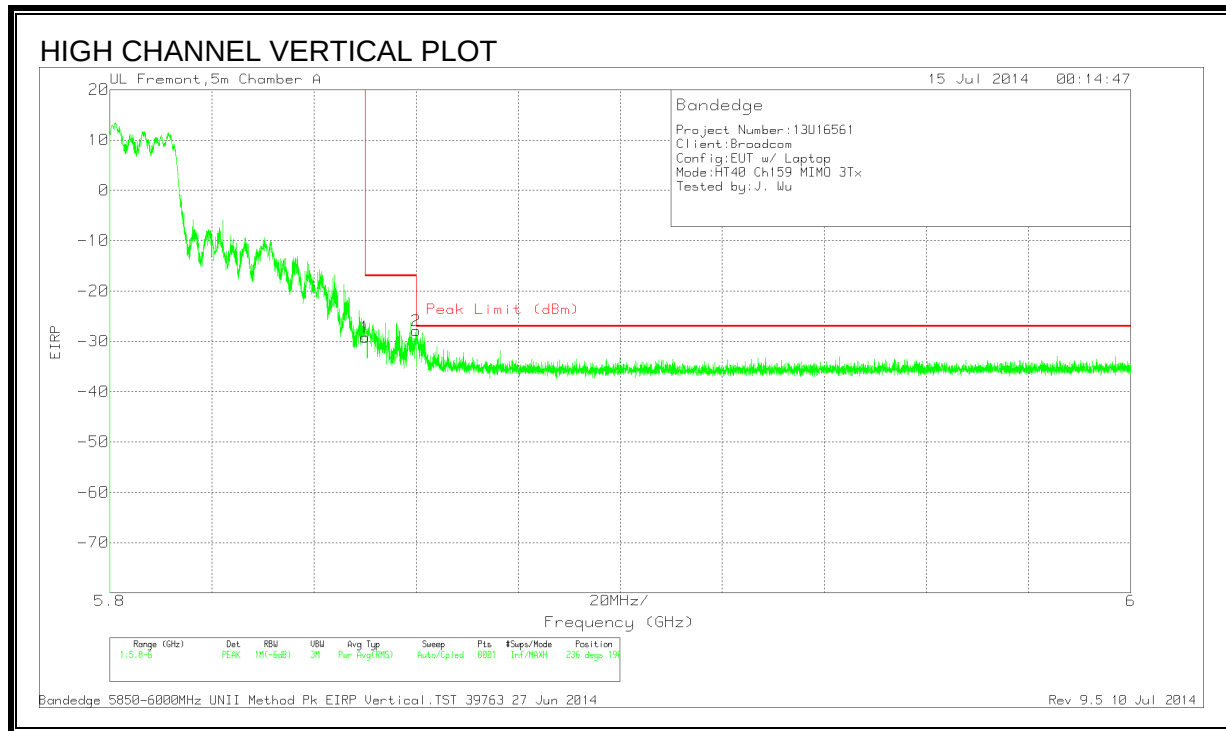


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	Pad	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-94.42	PK	34.9	9.7	11.8	6	-32.02	-17	-15.02	110	314	H
2	5.861	-90.97	PK	34.9	9.7	11.8	6	-28.57	-27	-1.57	110	314	H

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

PK - Peak detector

RMS - RMS detection

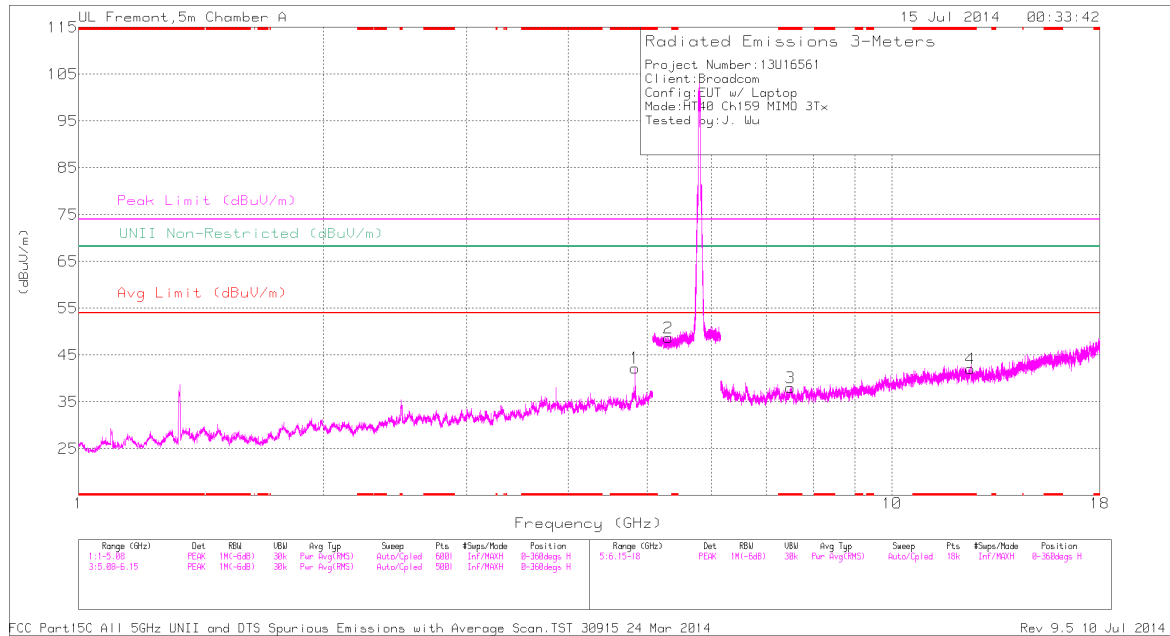
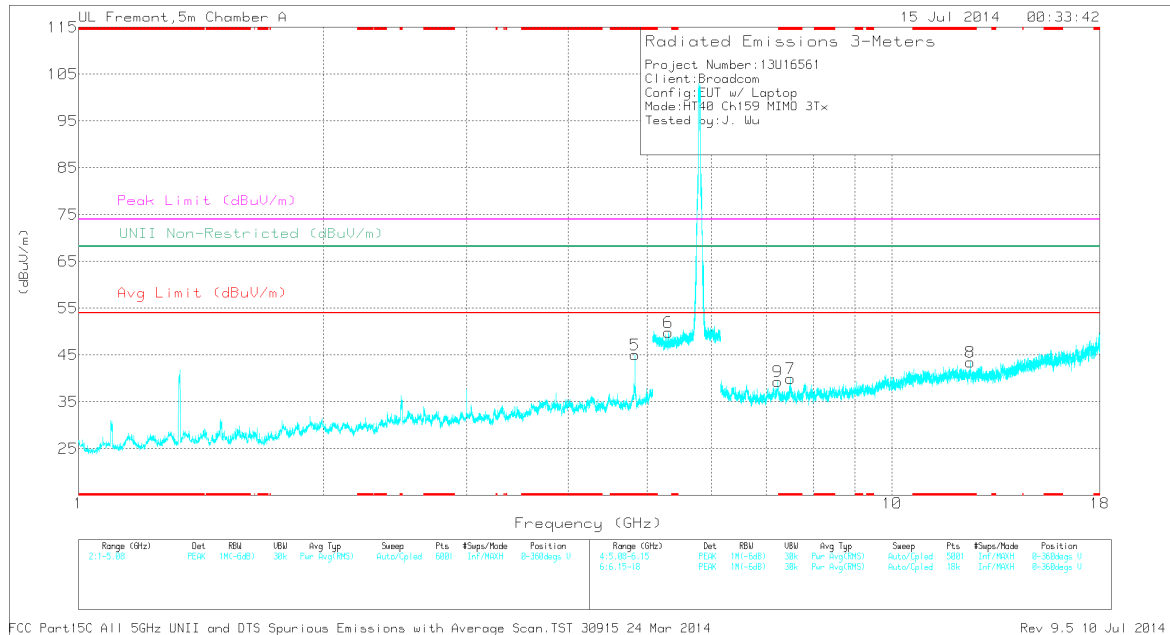


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	Pad	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-91.57	PK	34.9	9.7	11.8	6	-29.17	-17	-12.17	236	190	V
2	5.86	-90.28	PK	34.9	9.7	11.8	6	-27.88	-27	-.88	236	190	V

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

PK - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS**HIGH CHANNEL HORIZONTAL PLOT****HIGH CHANNEL VERTICAL PLOT**

DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.829	44.74	PK1	34	-29.5	49.24	-	-	74	-24.76	-	-	311	180	H
	* 4.829	38.13	AD1	34	-29.5	42.63	54	-11.37	-	-	-	-	311	180	H
5	* 4.829	47.05	PK1	34	-29.5	51.55	-	-	74	-22.45	-	-	200	221	V
	* 4.829	41.7	AD1	34	-29.5	46.2	54	-7.8	-	-	-	-	200	221	V
3	* 7.497	35.64	PK1	35.3	-25	45.94	-	-	74	-28.06	-	-	177	281	H
	* 7.496	24.22	AD1	35.3	-25	34.52	54	-19.48	-	-	-	-	177	281	H
4	* 12.476	33.57	PK1	38.9	-22.2	50.27	-	-	74	-23.73	-	-	10	229	H
	* 12.477	21.89	AD1	38.9	-22.2	38.59	54	-15.41	-	-	-	-	10	229	H
7	* 7.498	39.76	PK1	35.3	-25	50.06	-	-	74	-23.94	-	-	76	215	V
	* 7.498	26.47	AD1	35.3	-25	36.77	54	-17.23	-	-	-	-	76	215	V
8	* 12.474	33.13	PK1	38.9	-22.1	49.93	-	-	74	-24.07	-	-	85	202	V
	* 12.474	21.85	AD1	38.9	-22.1	38.65	54	-15.35	-	-	-	-	85	202	V
2	5.312	42.52	PK1	34.3	-19.7	57.12	-	-	-	-	68.2	-11.08	319	210	H
6	5.31	42.67	PK1	34.3	-19.8	57.17	-	-	-	-	68.2	-11.03	213	211	V
9	7.234	35.8	PK1	35.2	-25.1	45.9	-	-	-	-	68.2	-22.3	305	100	V

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

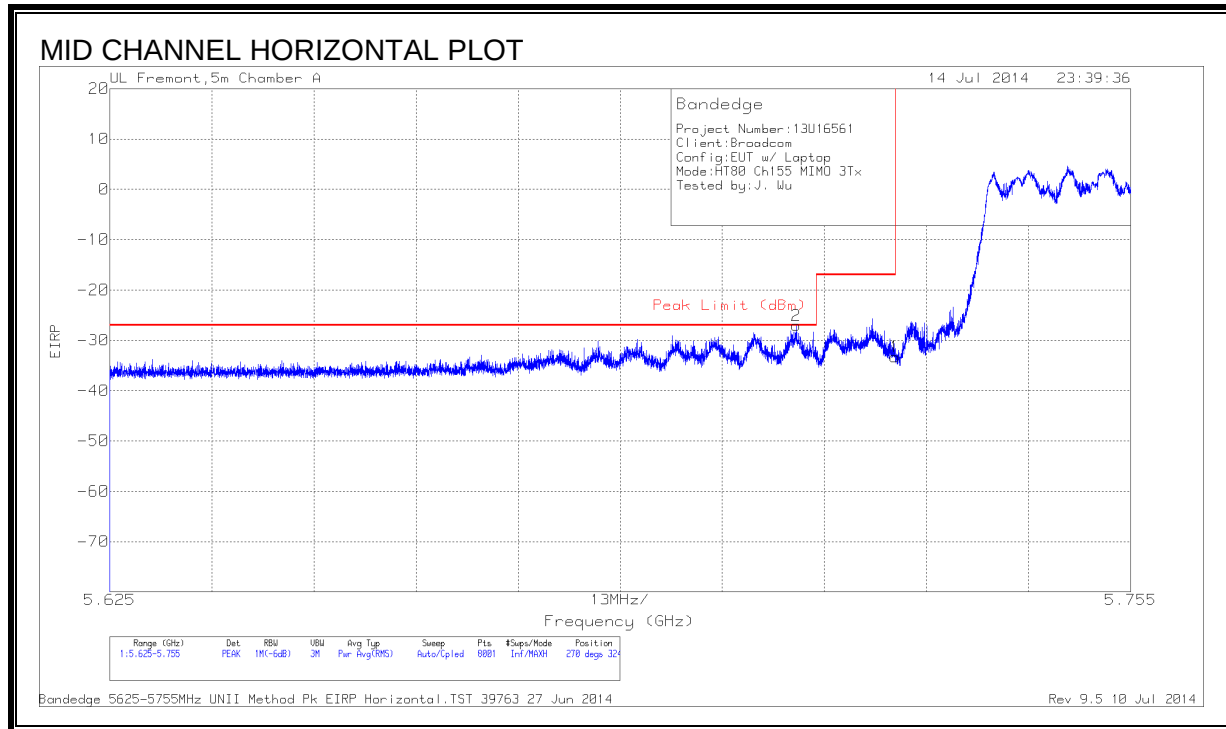
PK - Peak detector

PK1 - KDB 789033 Method: Peak

AD1 - KDB 789033 Method: AD Primary Power Average

12.2.3.7. TX ABOVE 1 GHz 802.11ac VHT80 CDD 3Tx MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW EDGE)

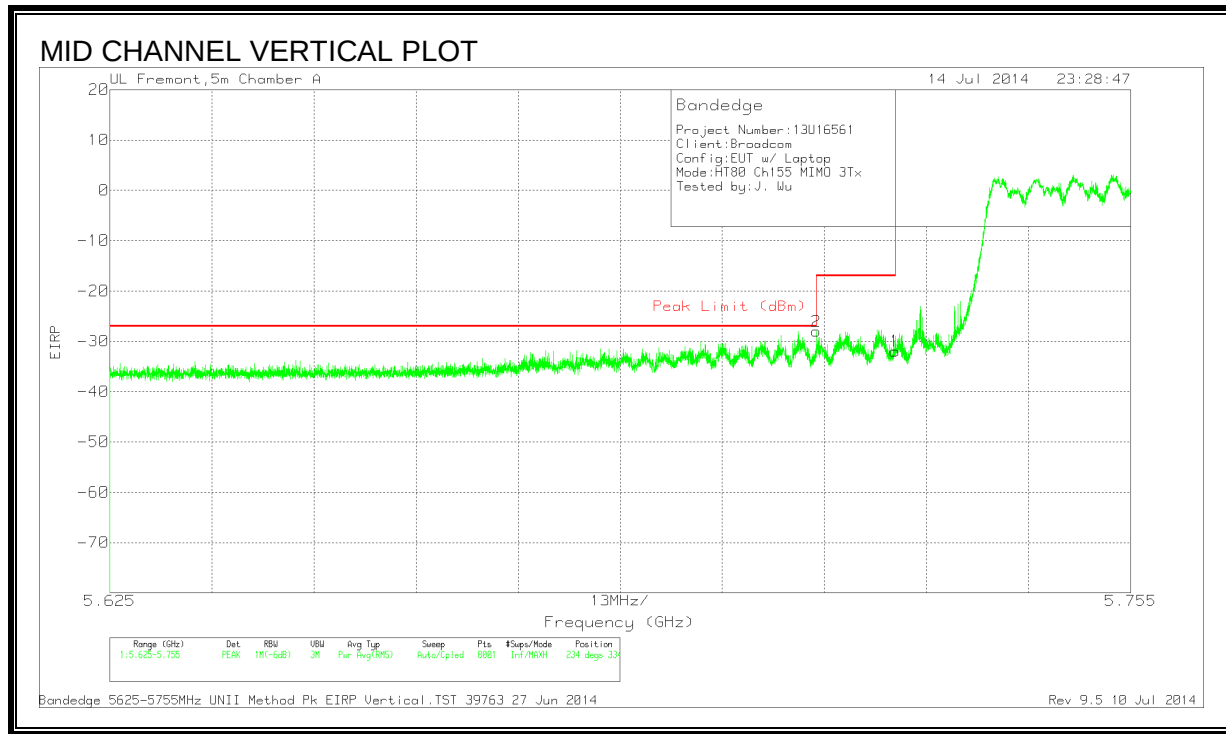


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	Pad	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.712	-88.87	PK	34.5	9.5	11.8	6	-27.07	-27	-.07	270	324	H
1	5.725	-95.26	PK	34.6	9.6	11.8	6	-33.26	-17	-16.26	270	324	H

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

PK - Peak detector

RMS - RMS detection

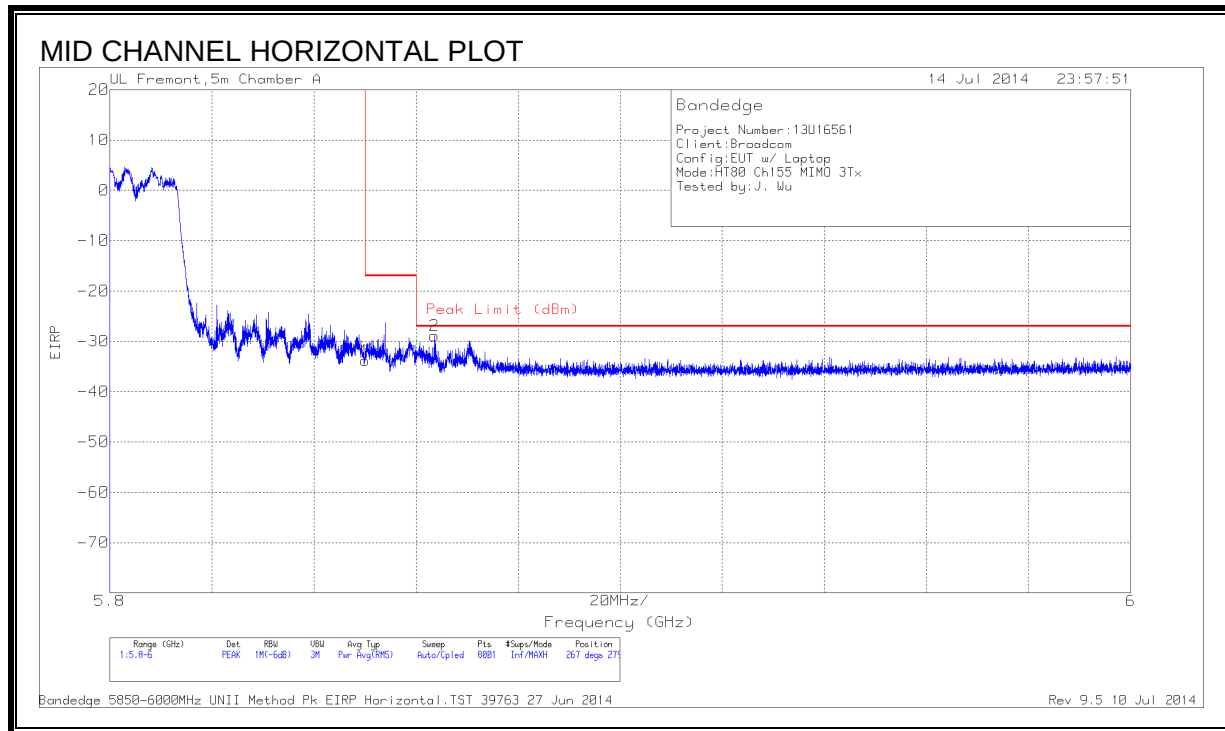


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	Pad	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.715	-89.91	PK	34.6	9.5	11.8	6	-28.01	-27	-1.01	234	334	V
1	5.725	-93.96	PK	34.6	9.6	11.8	6	-31.96	-17	-14.96	234	334	V

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

PK - Peak detector

RMS - RMS detection

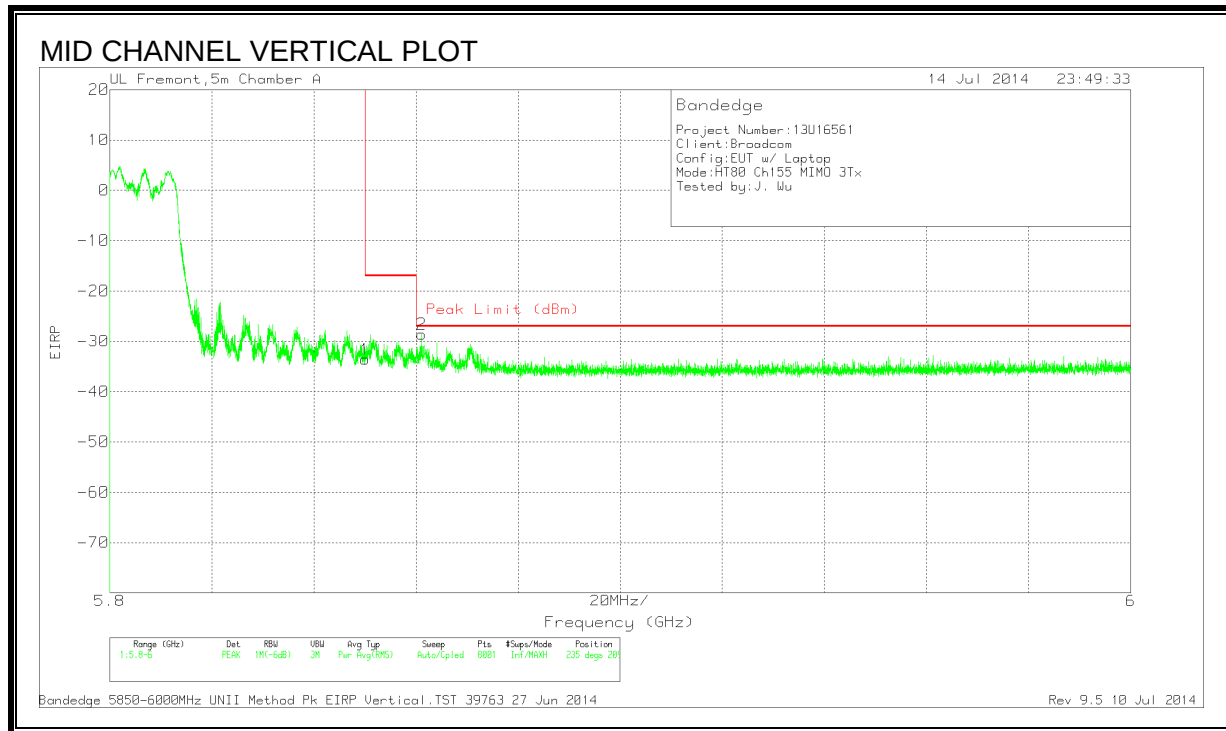
RESTRICTED BANDEGE (HIGH EDGE)

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	Pad	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-96.23	PK	34.9	9.7	11.8	6	-33.83	-17	-16.83	267	279	H
2	5.864	-91.3	PK	34.9	9.7	11.8	6	-28.9	-27	-1.9	267	279	H

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

PK - Peak detector

RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	Pad	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-95.96	PK	34.9	9.7	11.8	6	-33.56	-17	-16.56	235	209	V
2	5.861	-90.99	PK	34.9	9.7	11.8	6	-28.59	-27	-1.59	235	209	V

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

PK - Peak detector

RMS - RMS detection

END OF REPORT