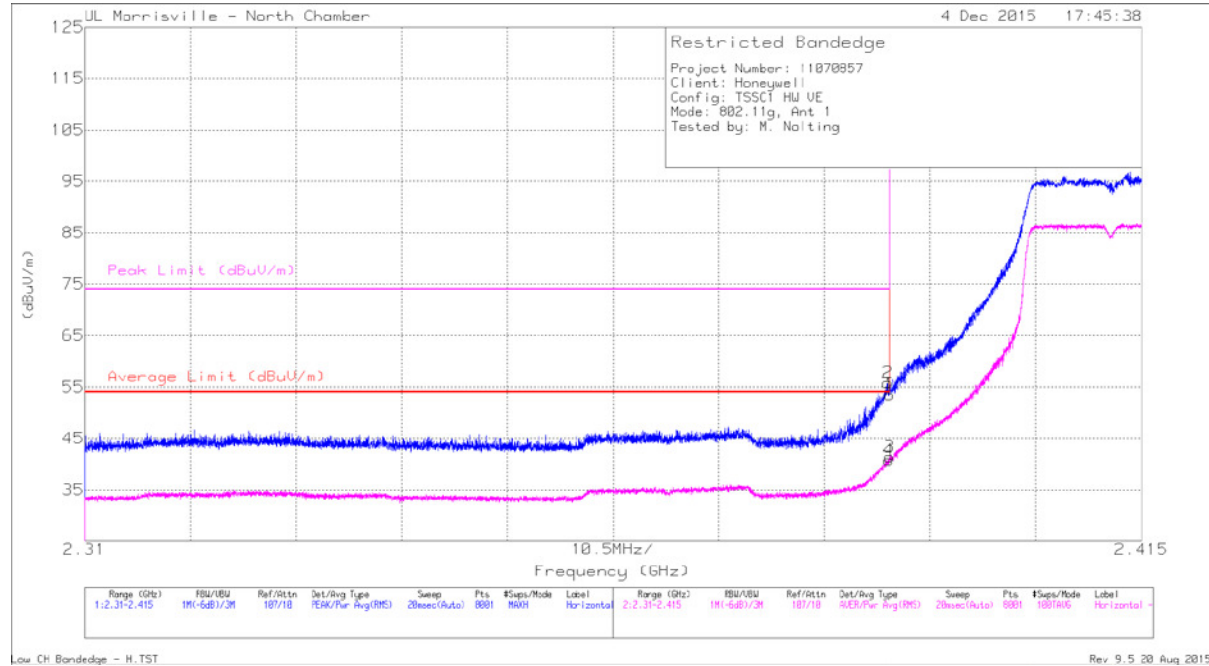


8.4. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

LOW CHANNEL RESTRICTED, HORIZ, ANT 1



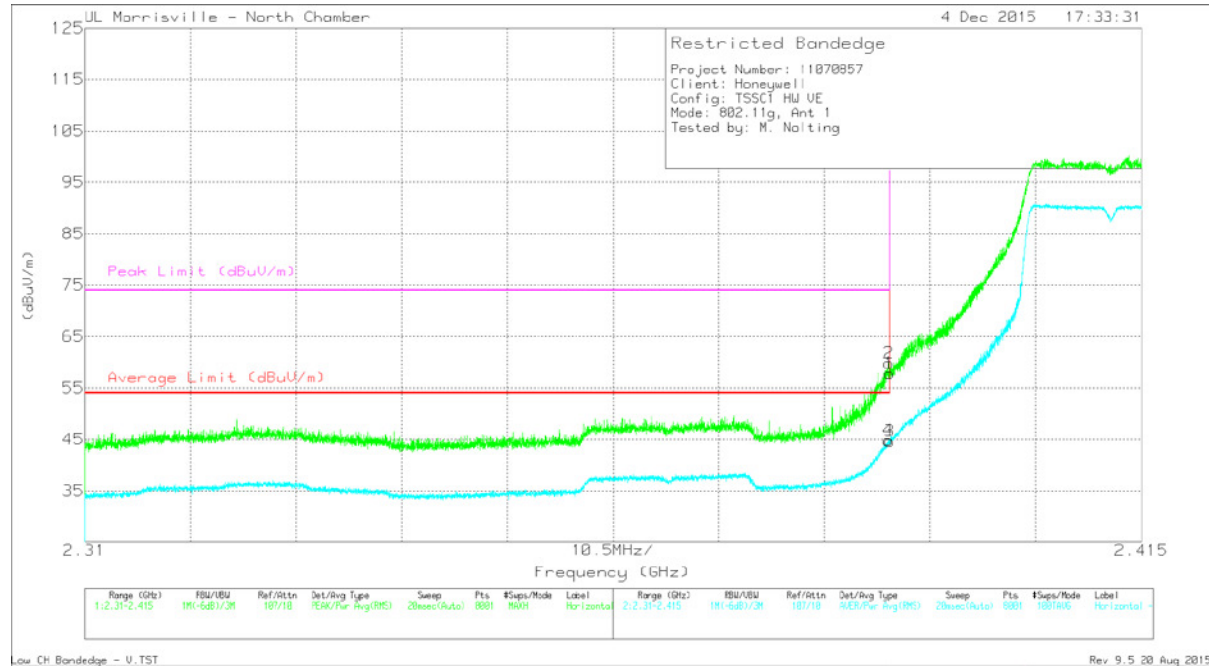
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 2.39	46.44	Pk	31.9	-24.8	0	53.54	-	-	74	-20.46	57	101	H
2	* 2.39	48.74	Pk	31.9	-24.8	0	55.84	-	-	74	-18.16	57	101	H
3	* 2.39	34.31	RMS	31.9	-24.8	.11	41.52	54	-12.48	-	-	57	101	H
4	* 2.39	33.69	RMS	31.9	-24.8	.11	40.9	54	-13.1	-	-	57	101	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERT, ANT 1



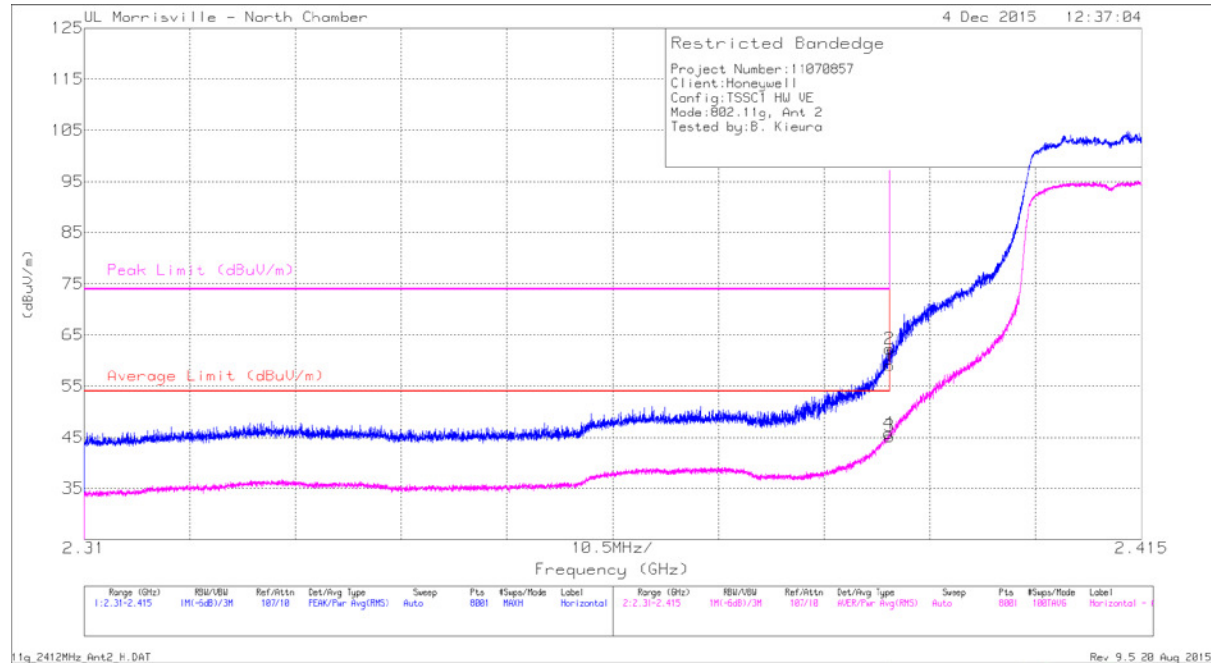
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	50.73	Pk	31.9	-24.8	0	57.83	-	-	74	-16.17	156	110	V
2	* 2.39	52.74	Pk	31.9	-24.8	0	59.84	-	-	74	-14.16	156	110	V
3	* 2.39	37.44	RMS	31.9	-24.8	.11	44.65	54	-9.35	-	-	156	110	V
4	* 2.39	37.6	RMS	31.9	-24.8	.11	44.81	54	-9.19	-	-	156	110	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, HORIZ, ANT 2



Trace Markers

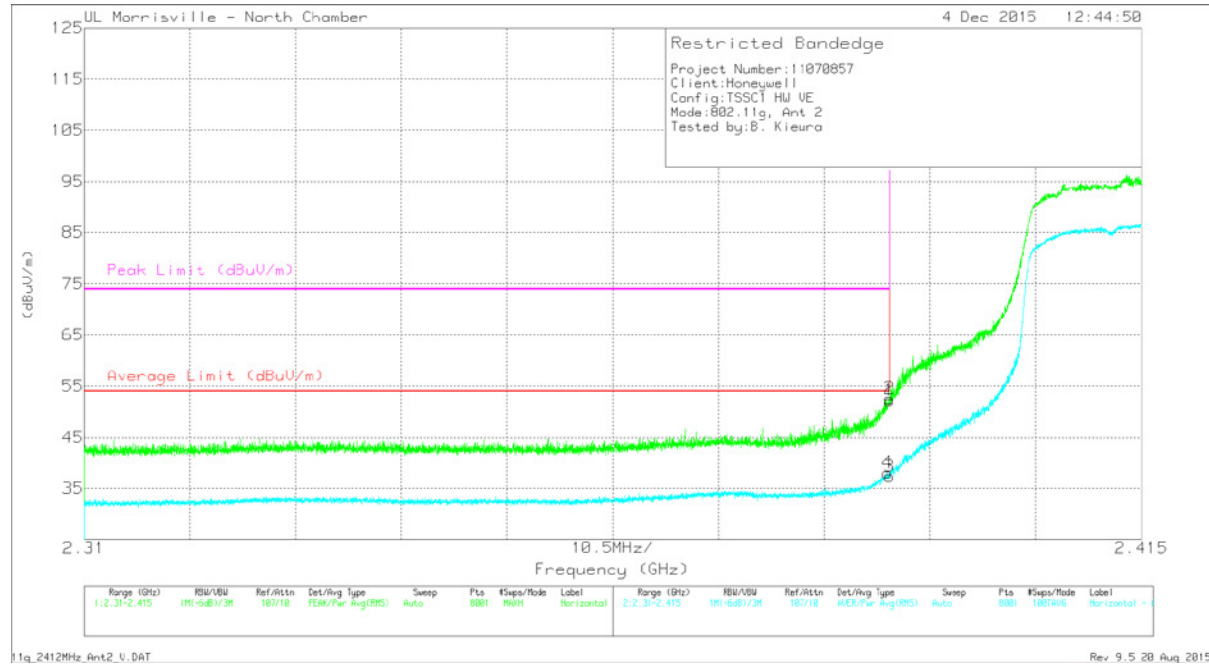
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.96	Pk	31.9	-24.8	0	59.06	-	-	74	-14.94	124	132	H
2	* 2.39	55.2	Pk	31.9	-24.8	0	62.3	-	-	74	-11.7	124	132	H
3	* 2.39	38.14	RMS	31.9	-24.8	.11	45.35	54	-8.65	-	-	124	132	H
4	* 2.39	38.68	RMS	31.9	-24.8	.11	45.89	54	-8.11	-	-	124	132	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERT, ANT 2



Trace Markers

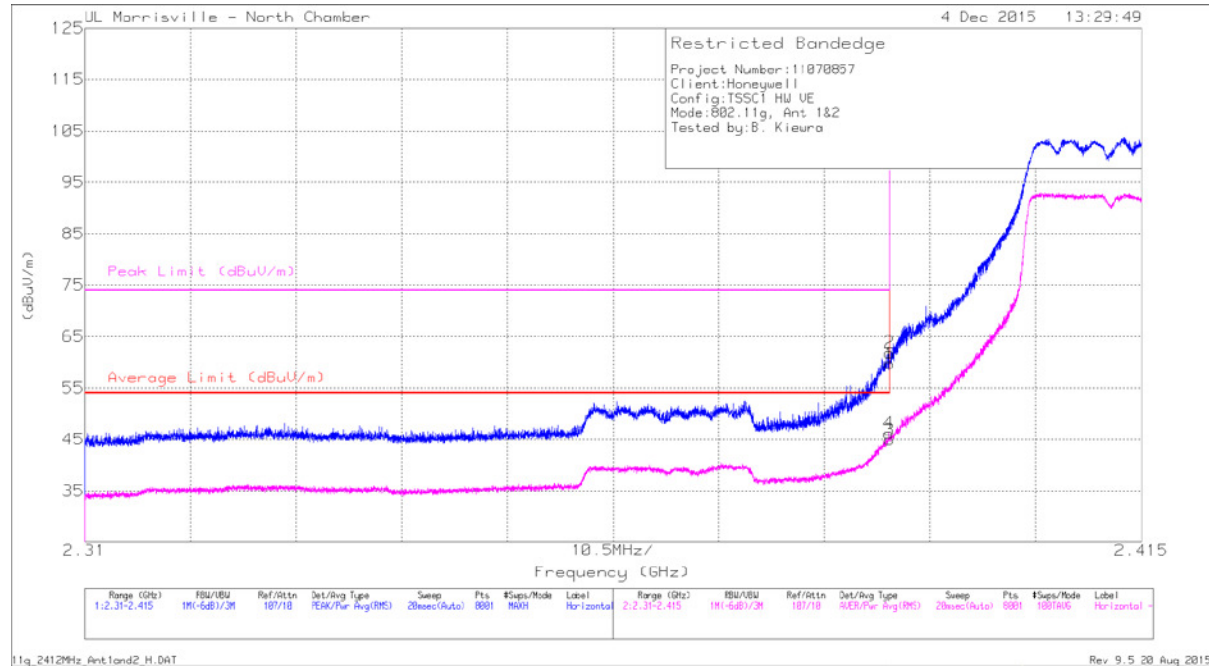
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.14	Pk	31.9	-24.8	0	52.24	-	-	74	-21.76	127	102	V
2	* 2.39	45.51	Pk	31.9	-24.8	0	52.61	-	-	74	-21.39	127	102	V
3	* 2.39	30.29	RMS	31.9	-24.8	.11	37.5	54	-16.5	-	-	127	102	V
4	* 2.39	31	RMS	31.9	-24.8	.11	38.21	54	-15.79	-	-	127	102	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, HORIZ, ANT 1/2



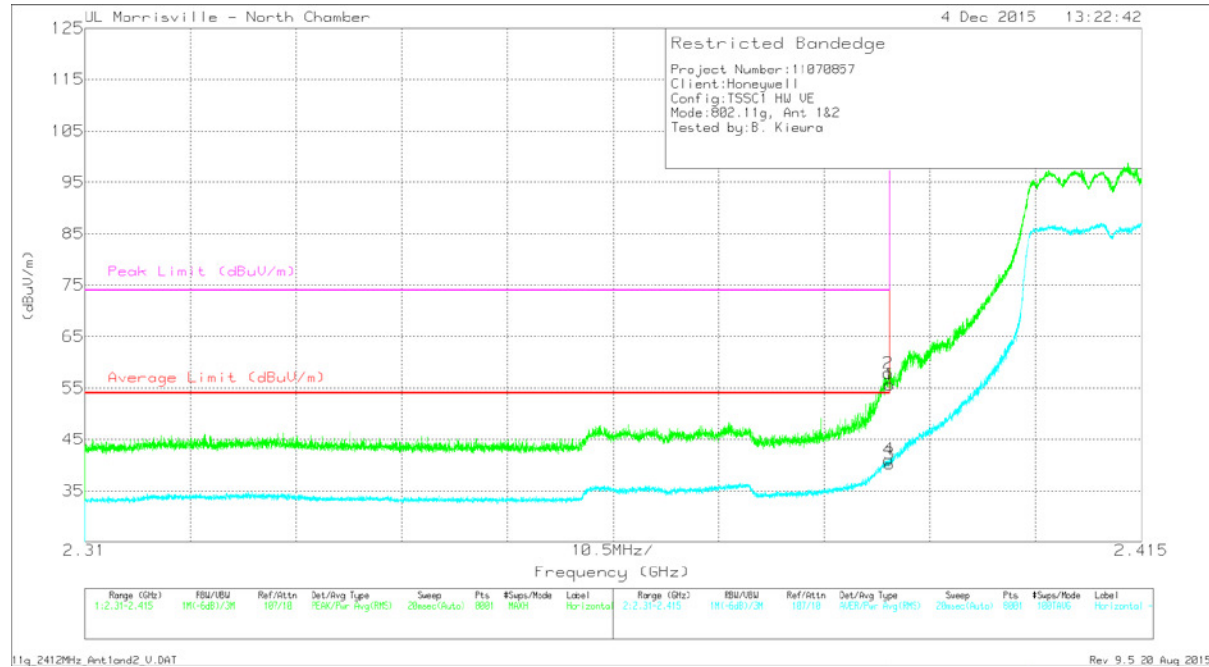
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.61	Pk	31.9	-24.8	0	59.71	-	-	74	-14.29	106	128	H
2	* 2.39	54.73	Pk	31.9	-24.8	0	61.83	-	-	74	-12.17	106	128	H
3	* 2.39	37.82	RMS	31.9	-24.8	.11	45.03	54	-8.97	-	-	106	128	H
4	* 2.39	39.09	RMS	31.9	-24.8	.11	46.3	54	-7.7	-	-	106	128	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERT, ANT 1/2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.56	Pk	31.9	-24.8	0	55.66	-	-	74	-18.34	23	102	V
2	* 2.39	50.76	Pk	31.9	-24.8	0	57.86	-	-	74	-16.14	23	102	V
3	* 2.39	33.15	RMS	31.9	-24.8	.11	40.36	54	-13.64	-	-	23	102	V
4	* 2.39	33.97	RMS	31.9	-24.8	.11	41.18	54	-12.82	-	-	23	102	V

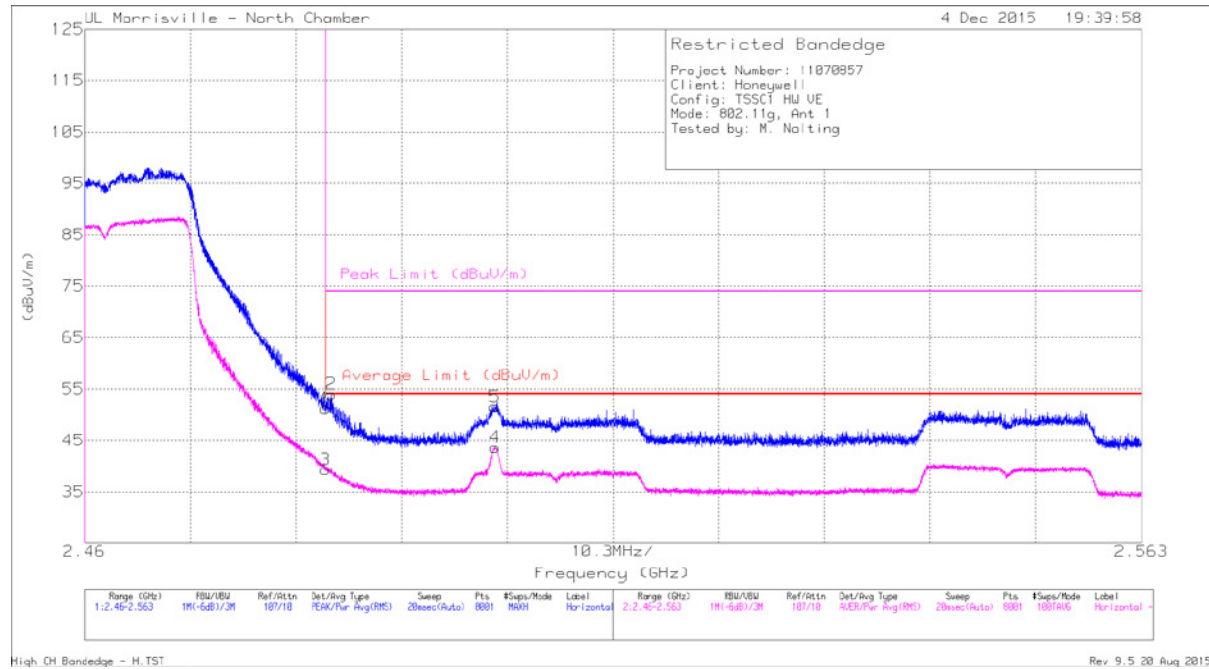
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

RESTRICTED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL RESTRICTED, HORIZ, ANT 1



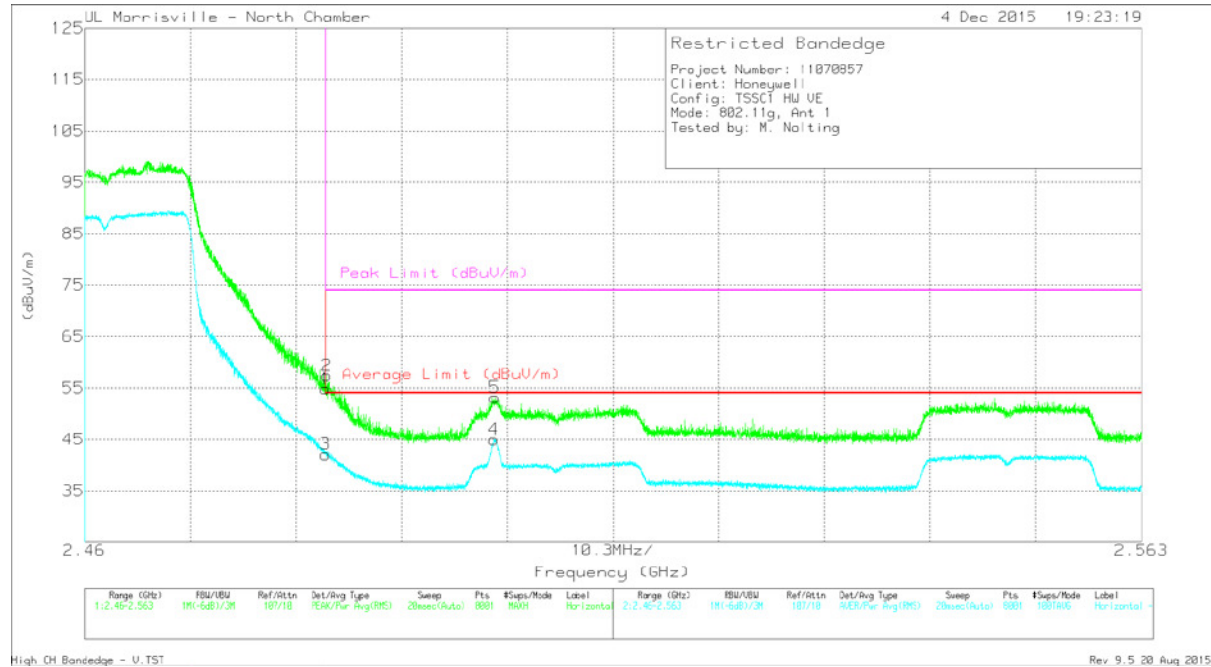
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.96	Pk	32.1	-24.8	0	51.26	-	-	74	-22.74	60	155	H
2	* 2.484	46.71	Pk	32.1	-24.8	0	54.01	-	-	74	-19.99	60	155	H
3	* 2.484	32.03	RMS	32.1	-24.8	.11	39.44	54	-14.56	-	-	60	155	H
5	* 2.5	44.15	Pk	32.1	-24.7	0	51.55	-	-	74	-22.45	60	155	H
4	2.5	36.23	RMS	32.1	-24.7	.11	43.74	54	-10.26	-	-	60	155	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL RESTRICTED, VERT, ANT 1



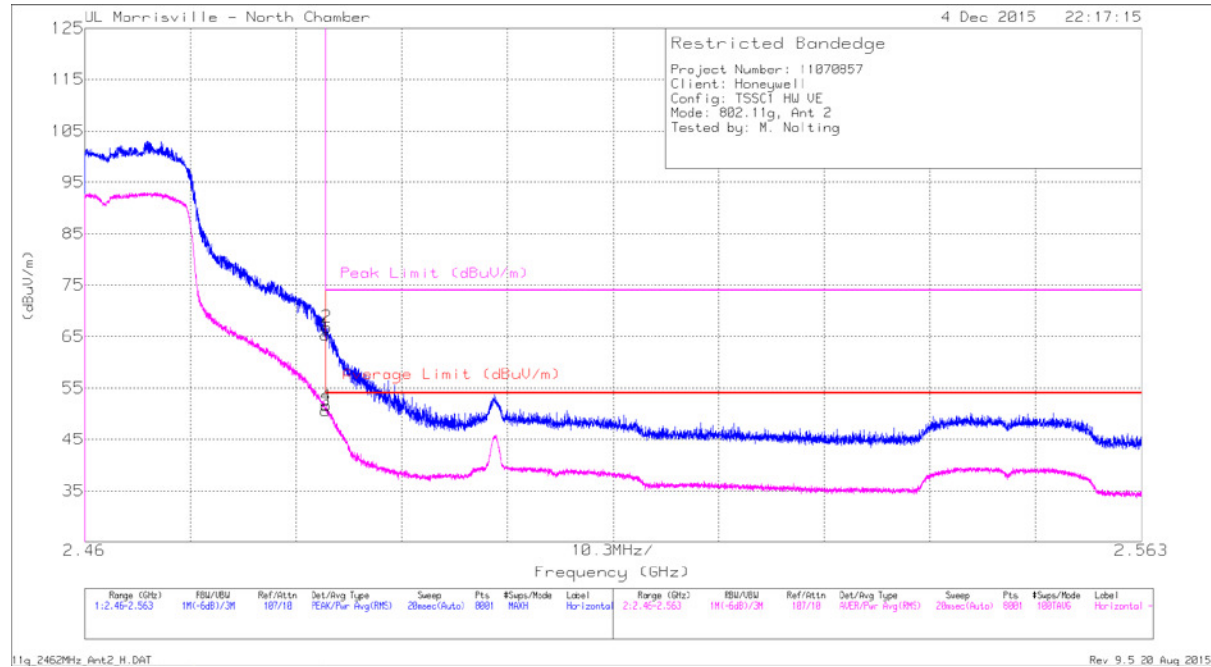
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.54	Pk	32.1	-24.8	0	54.84	-	-	74	-19.16	89	116	V
2	* 2.484	50.12	Pk	32.1	-24.8	0	57.42	-	-	74	-16.58	89	116	V
5	* 2.5	45.76	Pk	32.1	-24.7	0	53.16	-	-	74	-20.84	89	116	V
3	* 2.484	34.69	RMS	32.1	-24.8	.11	42.1	54	-11.9	-	-	89	116	V
4	* 2.5	37.46	RMS	32.1	-24.7	.11	44.97	54	-9.03	-	-	89	116	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL RESTRICTED, HORIZ, ANT 2



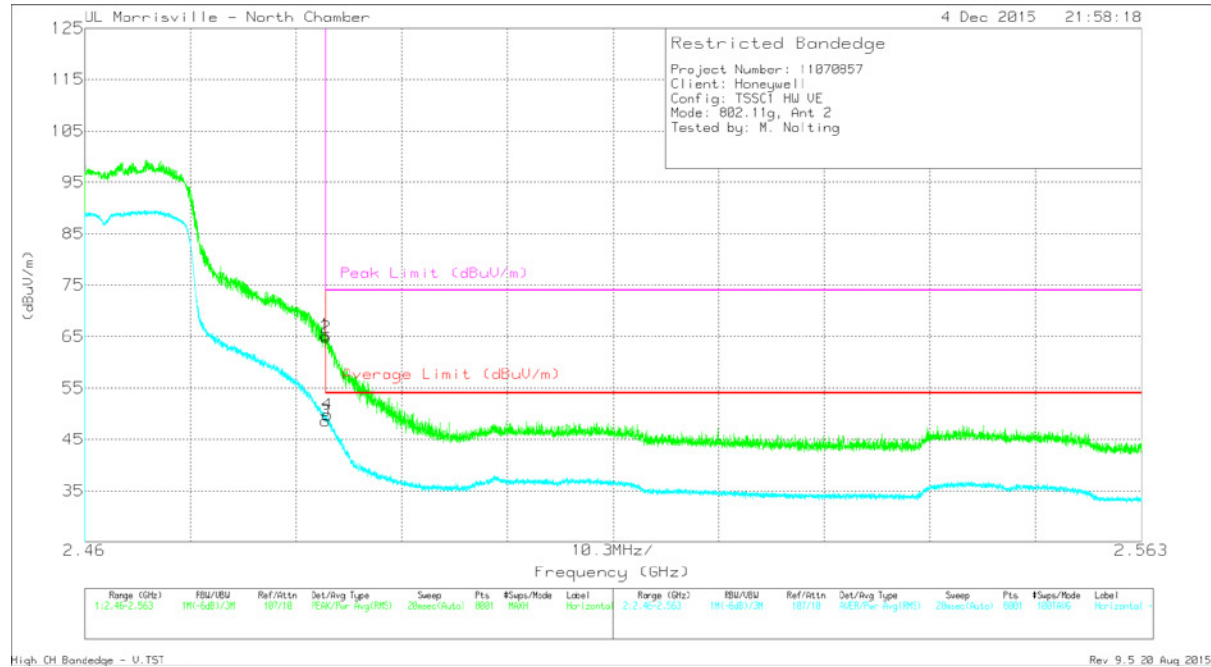
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	57.98	Pk	32.1	-24.8	0	65.28	-	-	74	-8.72	114	128	H
2	* 2.484	59.54	Pk	32.1	-24.8	0	66.84	-	-	74	-7.16	114	128	H
3	* 2.484	43.14	RMS	32.1	-24.8	.11	50.55	54	-3.45	-	-	114	128	H
4	* 2.484	44.12	RMS	32.1	-24.8	.11	51.53	54	-2.47	-	-	114	128	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL RESTRICTED, VERT, ANT 2



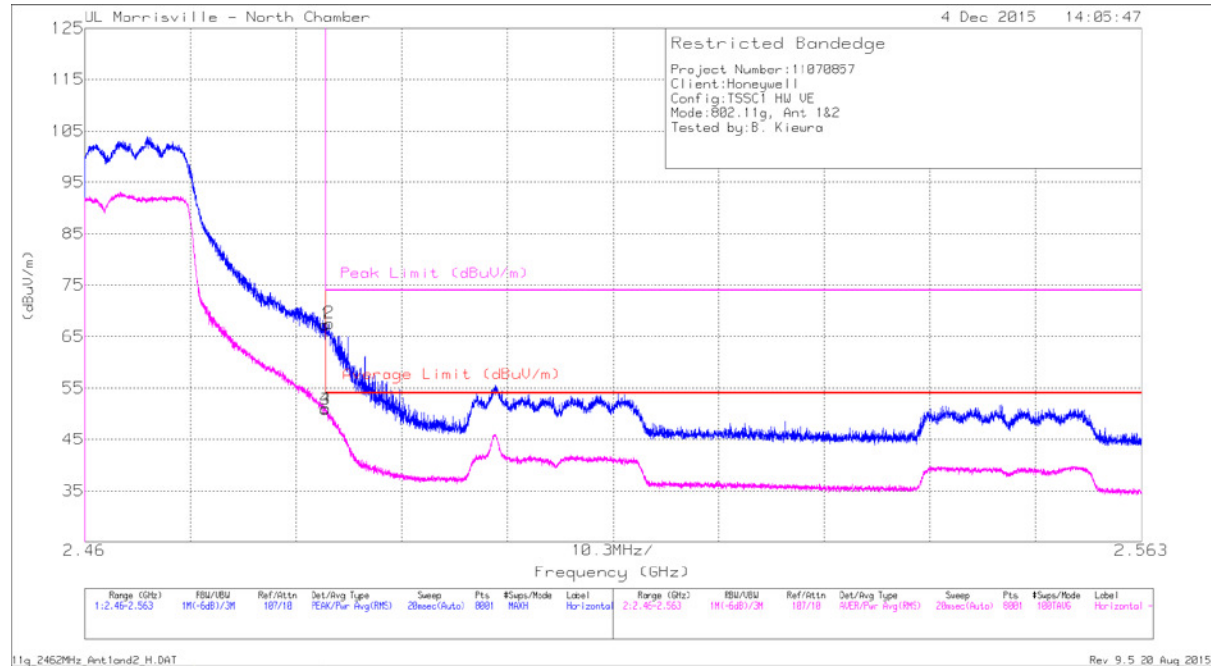
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	57.98	Pk	32.1	-24.8	0	65.28	-	-	74	-8.72	258	287	V
2	* 2.484	57.55	Pk	32.1	-24.8	0	64.85	-	-	74	-9.15	258	287	V
3	* 2.484	41.12	RMS	32.1	-24.8	.11	48.53	54	-5.47	-	-	258	287	V
4	* 2.484	42.31	RMS	32.1	-24.8	.11	49.72	54	-4.28	-	-	258	287	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL RESTRICTED, HORIZ, ANT 1/2



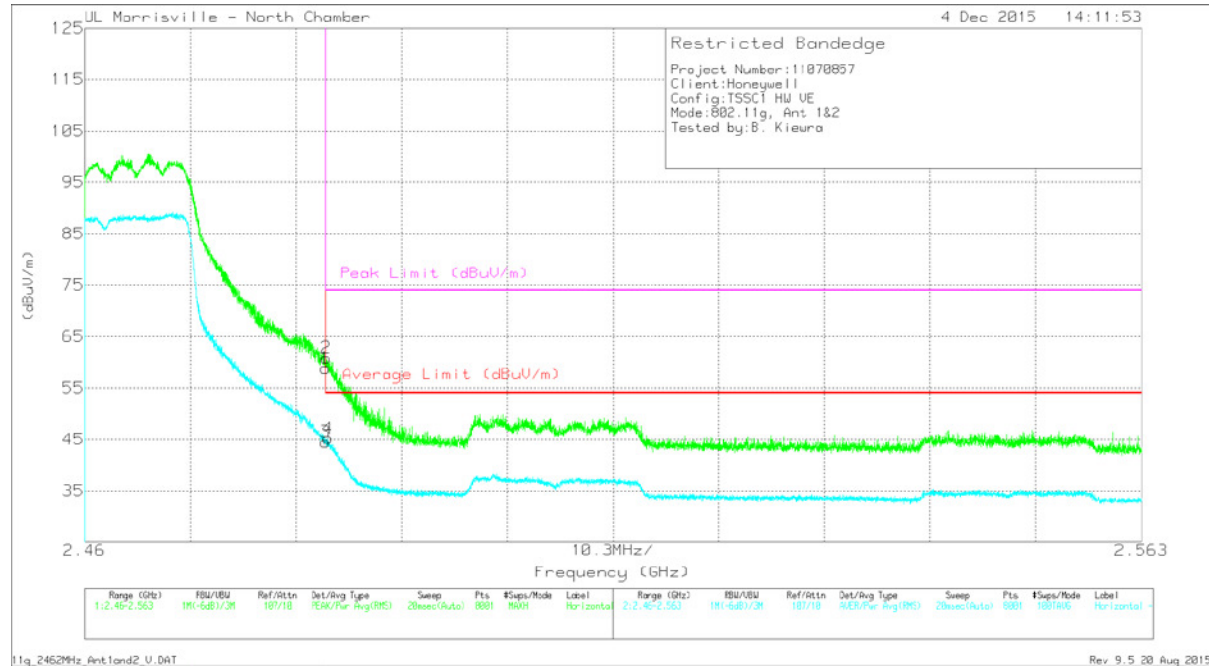
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	60.07	Pk	32.1	-24.8	0	67.37	-	-	74	-6.63	120	137	H
2	* 2.484	60.31	Pk	32.1	-24.8	0	67.61	-	-	74	-6.39	120	137	H
3	* 2.484	43.38	RMS	32.1	-24.8	.11	50.79	54	-3.21	-	-	120	137	H
4	* 2.484	43.64	RMS	32.1	-24.8	.11	51.05	54	-2.95	-	-	120	137	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL RESTRICTED, VERT, ANT 1/2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (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	* 2.484	51.54	Pk	32.1	-24.8	0	58.84	-	-	74	-15.16	269	365	V
2	* 2.484	53.55	Pk	32.1	-24.8	0	60.85	-	-	74	-13.15	269	365	V
3	* 2.484	37.08	RMS	32.1	-24.8	.11	44.49	54	-9.51	-	-	269	365	V
4	* 2.484	37.77	RMS	32.1	-24.8	.11	45.18	54	-8.82	-	-	269	365	V

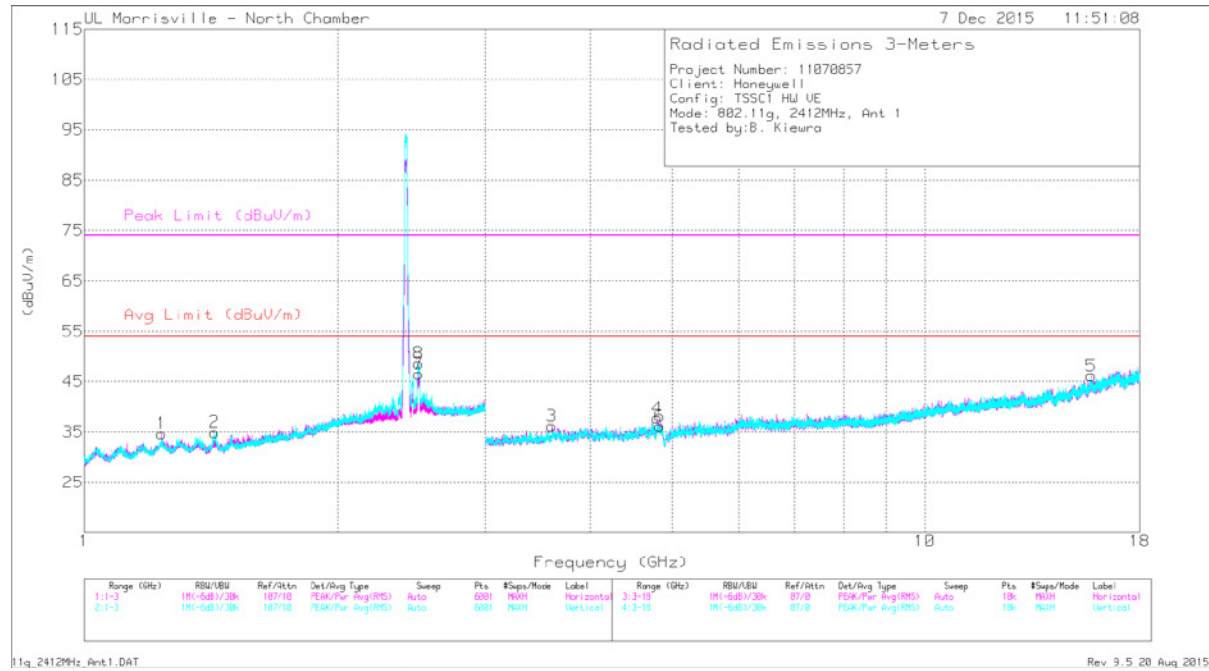
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, 1-18GHz, ANT 1



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.236	37.43	PK2	28.9	-26.2	0	40.13	-	-	74	-33.87	166	376	H
	* 1.237	25.34	MAv1	28.9	-26.2	0	28.04	54	-25.96	-	-	166	376	H
7	* 2.5	45.2	PK2	32.1	-24.7	0	52.6	-	-	74	-21.4	306	146	H
	* 2.5	35.92	MAv1	32.1	-24.7	0	43.32	54	-10.68	-	-	306	146	H
8	* 2.5	49.06	PK2	32.1	-24.7	0	56.46	-	-	74	-17.54	160	150	V
	* 2.5	38.34	MAv1	32.1	-24.7	0	45.74	54	-8.26	-	-	160	150	V
3	* 3.603	40.45	PK2	33.2	-32.4	0	41.25	-	-	74	-32.75	115	332	H
	* 3.605	28.84	MAv1	33.2	-32.3	0	29.74	54	-24.26	-	-	115	332	H
4	* 4.806	42.72	PK2	34.1	-32.3	0	44.52	-	-	74	-29.48	25	128	H
	* 4.804	30.13	MAv1	34.1	-32.3	0	31.93	54	-22.07	-	-	25	128	H
5	* 15.777	35.45	PK2	40.8	-25.4	0	50.85	-	-	74	-23.15	266	242	H
	* 15.779	24.25	MAv1	40.8	-25.4	0	39.65	54	-14.35	-	-	266	242	H
6	* 4.82	40.61	PK2	34.1	-32.2	0	42.51	-	-	74	-31.49	360	143	H
	* 4.818	29.83	MAv1	34.1	-32.2	.11	31.84	54	-22.16	-	-	360	143	H
2	1.429	32.23	Pk	28.2	-25.5	0	34.93	-	-	-	-	0-360	199	V

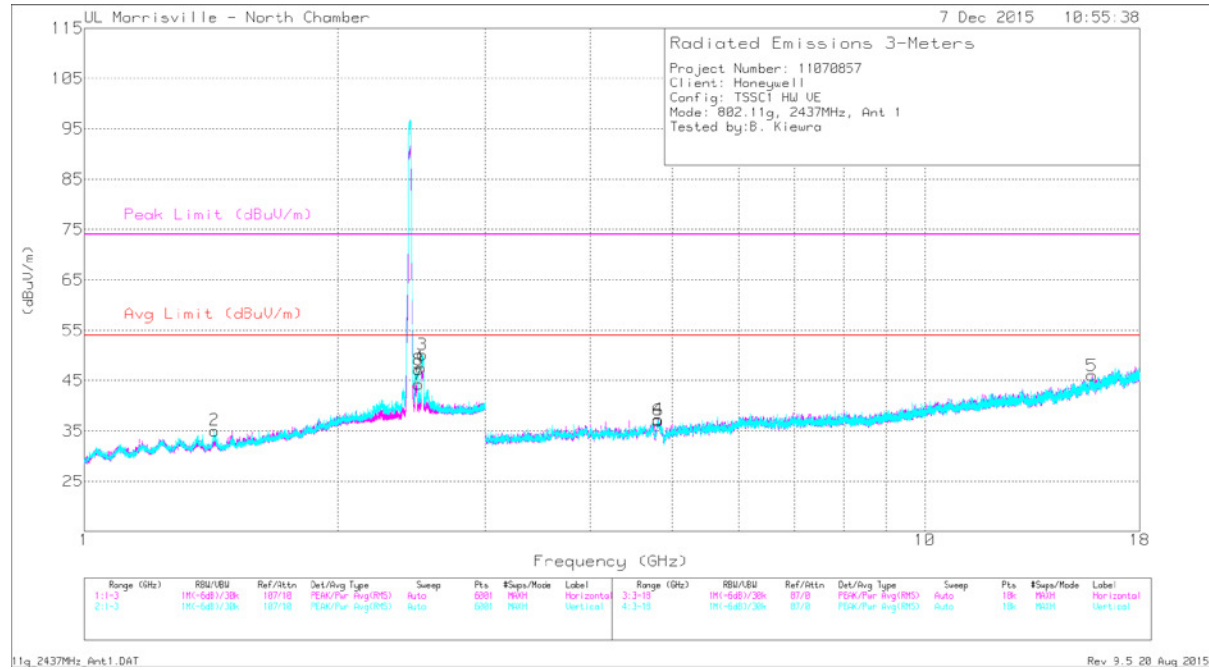
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, 1-18GHz, ANT 1



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7	* 2.5	41.82	PK2	32.1	-24.7	0	49.22	-	-	74	-24.78	306	148	H
	* 2.5	34.43	MAv1	32.1	-24.7	0	41.83	54	-12.17	-	-	306	148	H
8	* 2.5	45.18	PK2	32.1	-24.7	0	52.58	-	-	74	-21.42	161	189	V
	* 2.5	36.39	MAv1	32.1	-24.7	0	43.79	54	-10.21	-	-	161	189	V
4	* 4.819	41.98	PK2	34.1	-32.2	0	43.88	-	-	74	-30.12	131	318	H
	* 4.82	30.03	MAv1	34.1	-32.2	0	31.93	54	-22.07	-	-	131	318	H
6	* 4.819	41.71	PK2	34.1	-32.2	0	43.61	-	-	74	-30.39	99	268	V
	* 4.819	30.11	MAv1	34.1	-32.2	0	32.01	54	-21.99	-	-	99	268	V
5	* 15.807	36.29	PK2	40.9	-25.4	0	51.79	-	-	74	-22.21	134	253	H
	* 15.806	24.63	MAv1	40.9	-25.4	0	40.13	54	-13.87	-	-	134	253	H
2	1.428	32.39	Pk	28.2	-25.5	0	35.09	-	-	-	-	0-360	199	V
1	2.517	40.15	Pk	32.1	-24.6	0	47.65	-	-	-	-	0-360	101	H
3	2.526	42.63	Pk	32.1	-24.6	0	50.13	-	-	-	-	0-360	101	V

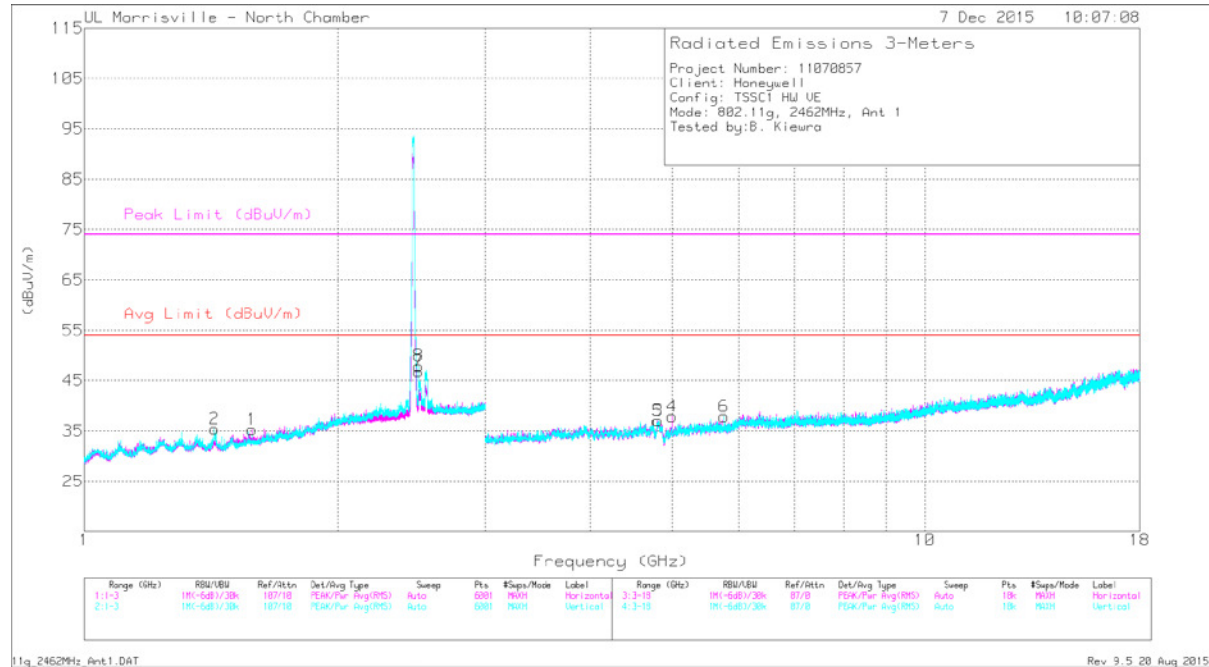
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, 1-18GHz, ANT 1



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.584	37.01	PK2	28.4	-24.9	0	40.51	-	-	74	-33.49	228	239	H
	* 1.584	26.1	MAv1	28.4	-24.9	0	29.6	54	-24.4	-	-	228	239	H
7	* 2.5	44.81	PK2	32.1	-24.7	0	52.21	-	-	74	-21.79	307	147	H
	* 2.5	35.5	MAv1	32.1	-24.7	0	42.9	54	-11.1	-	-	307	147	H
8	* 2.5	47.54	PK2	32.1	-24.7	0	54.94	-	-	74	-19.06	158	188	V
	* 2.5	37.5	MAv1	32.1	-24.7	0	44.9	54	-9.1	-	-	158	188	V
3	* 4.811	42.26	PK2	34.1	-32.3	0	44.06	-	-	74	-29.94	354	140	H
	* 4.812	30.3	MAv1	34.1	-32.3	0	32.1	54	-21.9	-	-	354	140	H
4	* 5	42.44	PK2	34.1	-33.5	0	43.04	-	-	74	-30.96	315	123	H
	* 5	34.08	MAv1	34.1	-33.5	0	34.68	54	-19.32	-	-	315	123	H
5	* 4.814	41.66	PK2	34.1	-32.2	0	43.56	-	-	74	-30.44	288	166	V
	* 4.815	30.18	MAv1	34.1	-32.2	0	32.08	54	-21.92	-	-	288	166	V
2	1.428	32.71	Pk	28.2	-25.5	0	35.41	-	-	-	-	0-360	200	V
6	5.77	35.46	Pk	34.7	-32.3	0	37.86	-	-	-	-	0-360	101	V

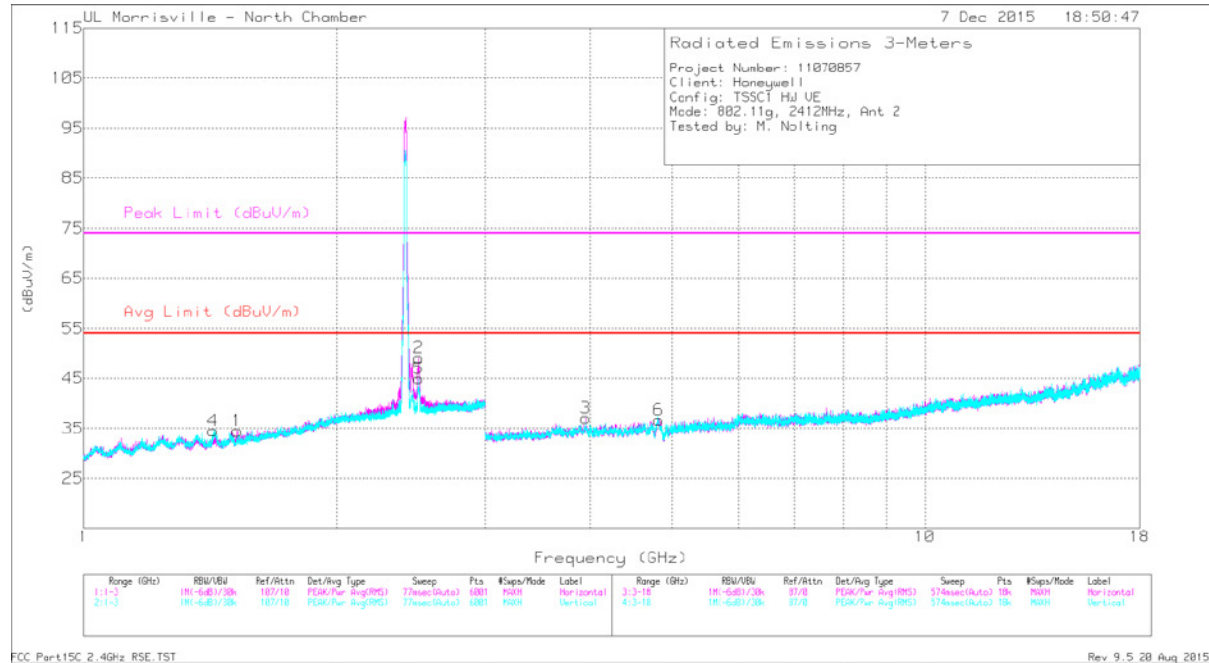
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

LOW CHANNEL, 1-18GHz, ANT 2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.521	36.59	PK2	28	-25.1	0	39.49	-	-	74	-34.51	235	200	H
	* 1.523	25.3	MAv1	28	-25.1	0	28.2	54	-25.8	-	-	235	200	H
2	* 2.5	47.88	PK2	32.1	-24.7	0	55.28	-	-	74	-18.72	118	105	H
	* 2.5	38.87	MAv1	32.1	-24.7	0	46.27	54	-7.73	-	-	118	105	H
4	* 1.426	38.27	PK2	28.2	-25.5	0	40.97	-	-	74	-33.03	232	199	V
	* 1.426	26.23	MAv1	28.2	-25.5	0	28.93	54	-25.07	-	-	232	199	V
5	* 2.5	44.4	PK2	32.1	-24.7	0	51.8	-	-	74	-22.2	187	257	V
	* 2.5	35.92	MAv1	32.1	-24.7	0	43.32	54	-10.68	-	-	187	257	V
3	* 3.951	40.9	PK2	33.7	-32.4	0	42.2	-	-	74	-31.8	67	101	H
	* 3.951	29.24	MAv1	33.7	-32.4	0	30.54	54	-23.46	-	-	67	101	H
6	* 4.821	40.48	PK2	34.1	-32.2	0	42.38	-	-	74	-31.62	153	200	V
	* 4.818	29.33	MAv1	34.1	-32.2	.11	31.34	54	-22.66	-	-	153	200	V

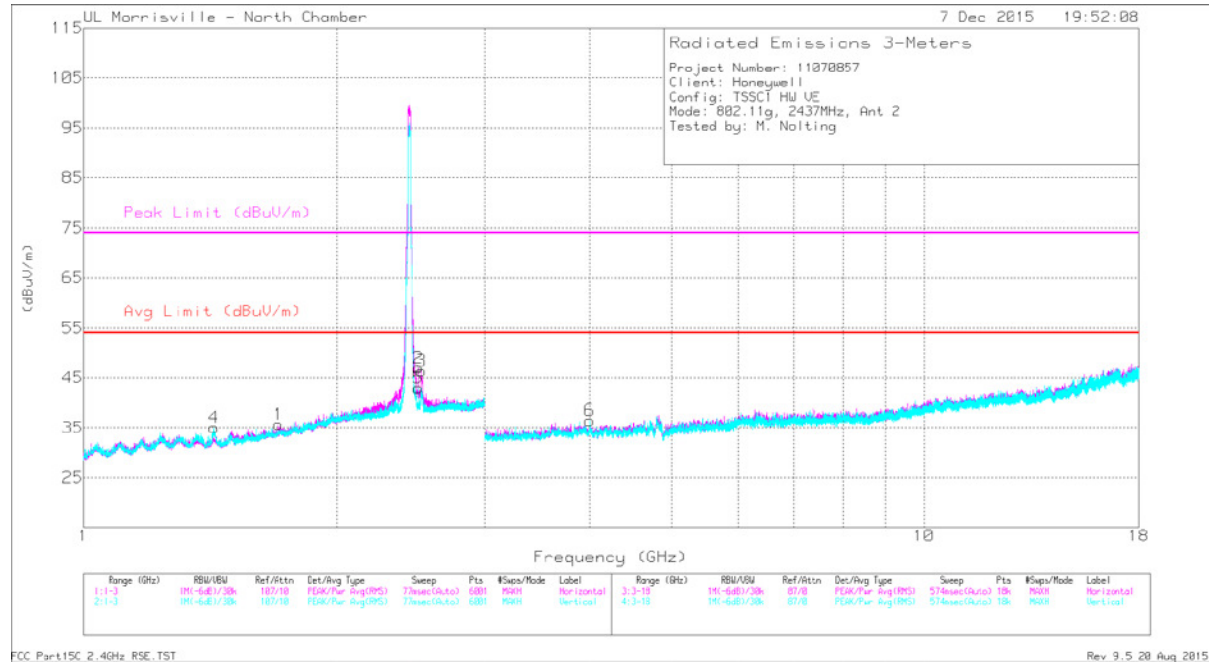
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, 1-18GHz, ANT 2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.7	36.73	PK2	29.2	-24.7	0	41.23	-	-	74	-32.77	86	101	H
	* 1.71	24.76	MAv1	29.2	-24.7	0	29.26	54	-24.74	-	-	86	101	H
2	* 2.5	45.13	PK2	32.1	-24.7	0	52.53	-	-	74	-21.47	117	105	H
	* 2.5	37.53	MAv1	32.1	-24.7	0	44.93	54	-9.07	-	-	117	105	H
4	* 1.426	38.18	PK2	28.2	-25.5	0	40.88	-	-	74	-33.12	188	200	V
	* 1.427	26.38	MAv1	28.2	-25.5	0	29.08	54	-24.92	-	-	188	200	V
5	* 2.5	42.93	PK2	32.1	-24.7	0	50.33	-	-	74	-23.67	189	255	V
	* 2.5	34.84	MAv1	32.1	-24.7	0	42.24	54	-11.76	-	-	189	255	V
6	* 4.002	40.64	PK2	33.8	-32.6	0	41.84	-	-	74	-32.16	144	200	V
	* 4.005	29.21	MAv1	33.8	-32.7	0	30.31	54	-23.69	-	-	144	200	V
3	2.522	38.89	Pk	32.1	-24.6	0	46.39	-	-	-	-	0-360	101	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

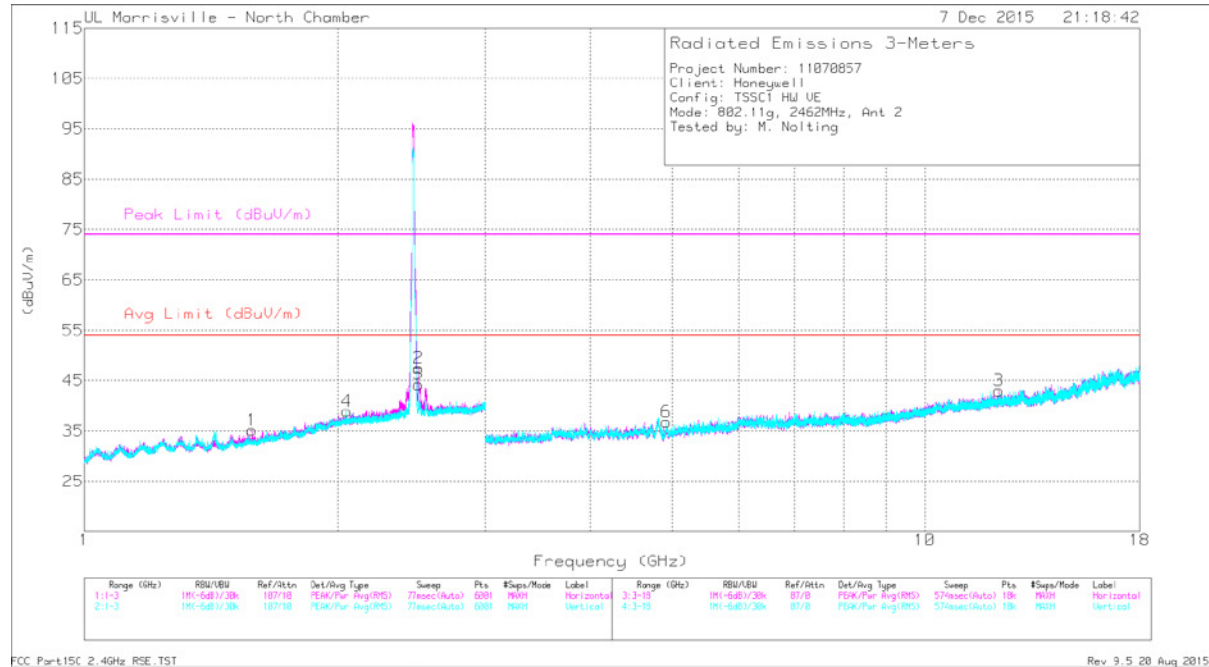
Pk - Peak detector

Radiated Emissions

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, 1-18GHz, ANT 2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.584	38.03	PK2	28.4	-24.9	0	41.53	-	-	74	-32.47	84	336	H
	* 1.584	26.61	MAv1	28.4	-24.9	0	30.11	54	-23.89	-	-	84	336	H
2	* 2.5	46.67	PK2	32.1	-24.7	0	54.07	-	-	74	-19.93	119	106	H
	* 2.5	38.24	MAv1	32.1	-24.7	0	45.64	54	-8.36	-	-	119	106	H
5	* 2.5	43.37	PK2	32.1	-24.7	0	50.77	-	-	74	-23.23	189	257	V
	* 2.5	35.39	MAv1	32.1	-24.7	0	42.79	54	-11.21	-	-	189	257	V
3	* 12.237	35.93	PK2	39	-27	0	47.93	-	-	74	-26.07	95	102	H
	* 12.239	24.59	MAv1	39	-26.9	0	36.69	54	-17.31	-	-	95	102	H
6	* 4.929	41.46	PK2	34.1	-32.6	0	42.96	-	-	74	-31.04	193	106	V
	* 4.924	29.71	MAv1	34.1	-32.5	.11	31.42	54	-22.58	-	-	193	106	V
4	2.052	31.94	Pk	31.7	-24.7	0	38.94	-	-	-	-	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

UL Morrisville - North Chamber

8 Dec 2015 18:01:50

Radiated Emissions 3-Meters

Project Number: 11070857
 Client: Honeywell
 Config: TSSCI H4 UE
 Mode: 802.11g, 2412MHz, Ant 1&2
 Tested by: M. Nolting

Peak Limit (dBuV/m)

Avg Limit (dBuV/m)

Frequency (GHz)

Range (GHz)	RBW/VBW	Ref/Attn	Det/Avg Type	Sweep	Fls	Maps/Mode	Label
1:1-2	181-640/30k	187/10	PEAK/Pwr Avg(RMS)	77usec/Auto	6001	PS08	Horizontal
2:1-2	181-640/30k	187/10	PEAK/Pwr Avg(RMS)	77usec/Auto	6001	PS08	Vertical

Range (GHz)	RBW/VBW	Ref/Attn	Det/Avg Type	Sweep	Fls	Maps/Mode	Label
3:3-18	181-640/30k	97/0	PEAK/Pwr Avg(RMS)	574usec/Auto	10k	PS08	Horizontal
4:3-18	181-640/30k	97/0	PEAK/Pwr Avg(RMS)	574usec/Auto	10k	PS08	Vertical

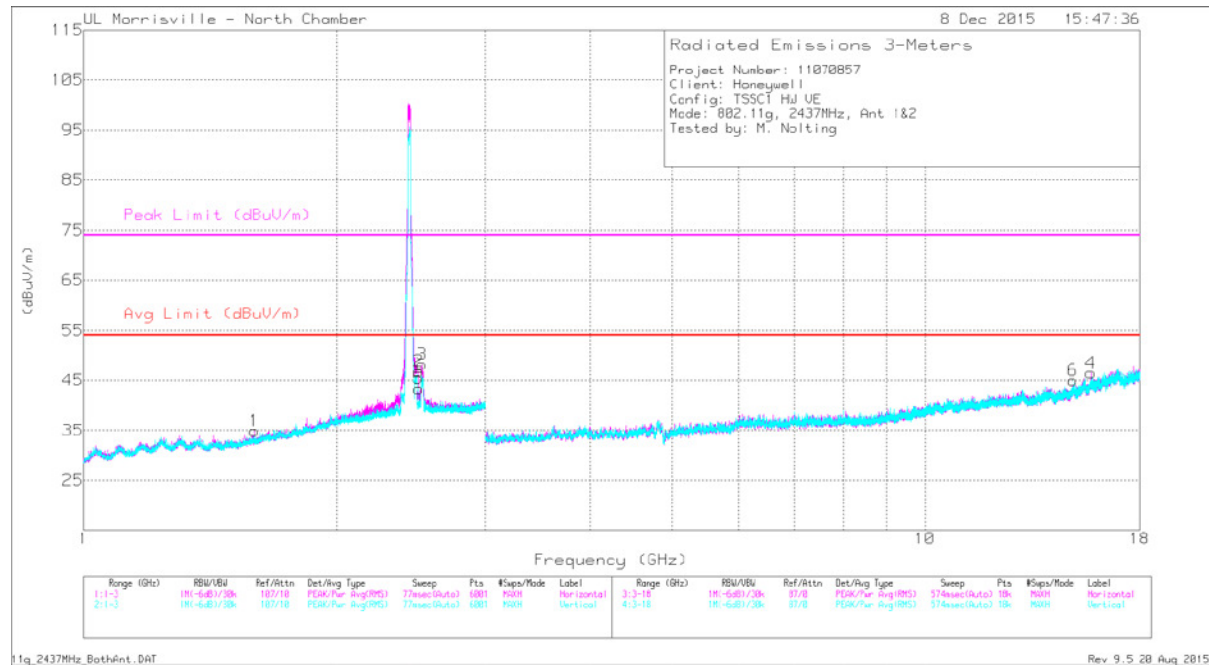
FCC Part15C 2.4GHz_RSE_TST

Rev. 9.5.20 Aug 2015

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (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)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.499	48.43	PK2	32.1	-24.7	0	55.83	-	-	74	-18.17	118	107	H
	* 2.5	38.47	MAv1	32.1	-24.7	0	45.87	54	-8.13	-	-	118	107	H
4	* 2.5	45.15	PK2	32.1	-24.7	0	52.55	-	-	74	-21.45	138	256	V
	* 2.5	35.31	MAv1	32.1	-24.7	0	42.71	54	-11.29	-	-	138	256	V
2	* 11.285	35.08	PK2	38.1	-26.3	0	46.88	-	-	74	-27.12	315	200	H
	* 11.284	23.8	MAv1	38.1	-26.3	0	35.6	54	-18.4	-	-	315	200	H
6	* 8.066	37.43	PK2	35.9	-29.3	0	44.03	-	-	74	-29.97	8	102	V
	* 8.07	26.11	MAv1	35.9	-29.4	0	32.61	54	-21.39	-	-	8	102	V
5	3.397	36.46	Pk	33	-33.2	0	36.26	-	-	-	-	0-360	101	V
3	14.689	31.39	Pk	39.8	-26.6	0	44.59	-	-	-	-	0-360	199	H

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, 1-18GHz, ANT 1/2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (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)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.592	36.36	PK2	28.5	-24.9	0	39.96	-	-	74	-34.04	37	101	H
	* 1.598	24.25	MAv1	28.5	-24.9	0	27.85	54	-26.15	-	-	37	101	H
2	* 2.5	45.58	PK2	32.1	-24.7	0	52.98	-	-	74	-21.02	119	105	H
	* 2.5	37.55	MAv1	32.1	-24.7	0	44.95	54	-9.05	-	-	119	105	H
5	* 2.5	42.92	PK2	32.1	-24.7	0	50.32	-	-	74	-23.68	139	255	V
	* 2.5	34.41	MAv1	32.1	-24.7	0	41.81	54	-12.19	-	-	139	255	V
4	* 15.747	35.97	PK2	40.8	-25.5	0	51.27	-	-	74	-22.73	135	200	H
	* 15.752	24.38	MAv1	40.8	-25.4	0	39.78	54	-14.22	-	-	135	200	H
3	2.522	40.71	Pk	32.1	-24.6	0	48.21	-	-	-	-	0-360	101	H
6	14.998	31.9	Pk	39.9	-26.8	0	45	-	-	-	-	0-360	101	V

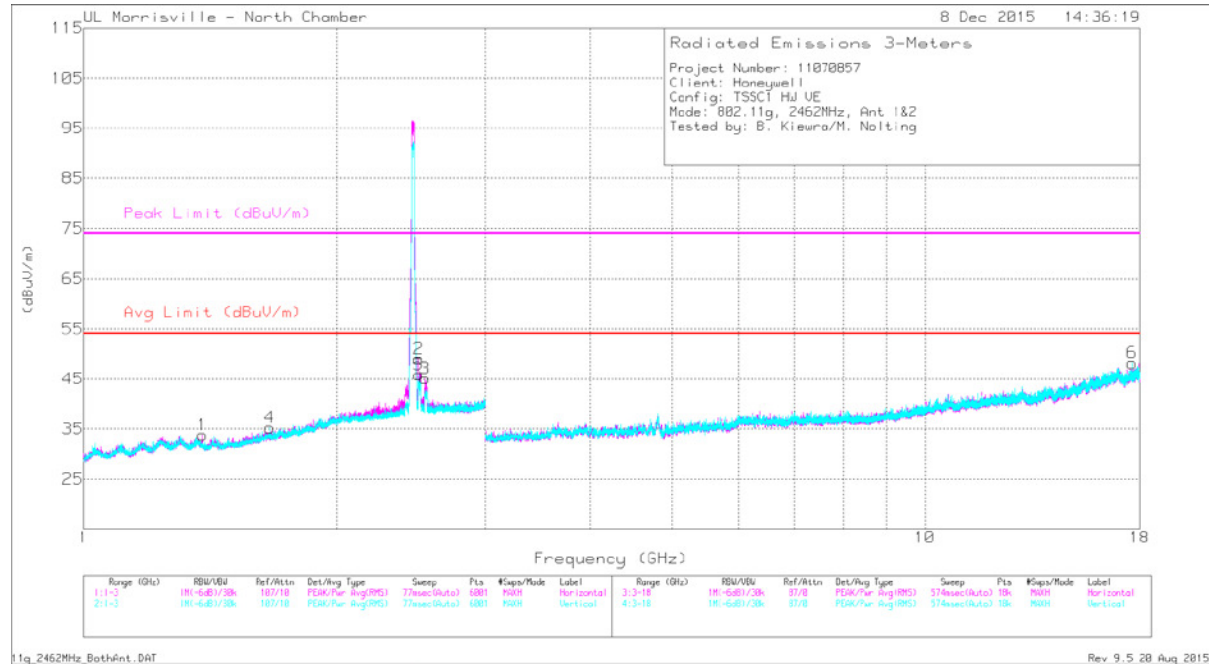
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, 1-18GHz, ANT 1/2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl /Ftr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.379	36.99	PK2	28.4	-25.6	0	39.79	-	-	74	-34.21	352	200	H
	* 1.376	24.41	MAv1	28.4	-25.6	0	27.21	54	-26.79	-	-	352	200	H
2	* 2.5	48.94	PK2	32.1	-24.7	0	56.34	-	-	74	-17.66	118	106	H
	* 2.5	38.83	MAv1	32.1	-24.7	0	46.23	54	-7.77	-	-	118	106	H
4	* 1.662	36.31	PK2	28.9	-24.8	0	40.41	-	-	74	-33.59	5	199	V
	* 1.66	24.42	MAv1	28.9	-24.8	0	28.52	54	-25.48	-	-	5	199	V
5	* 2.5	47.09	PK2	32.1	-24.7	0	54.49	-	-	74	-19.51	187	255	V
	* 2.5	35.87	MAv1	32.1	-24.7	0	43.27	54	-10.73	-	-	187	255	V
3	2.544	37.58	Pk	32.2	-24.7	0	45.08	-	-	-	-	0-360	101	H
6	17.617	31.37	Pk	41.8	-25	0	48.17	-	-	-	-	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

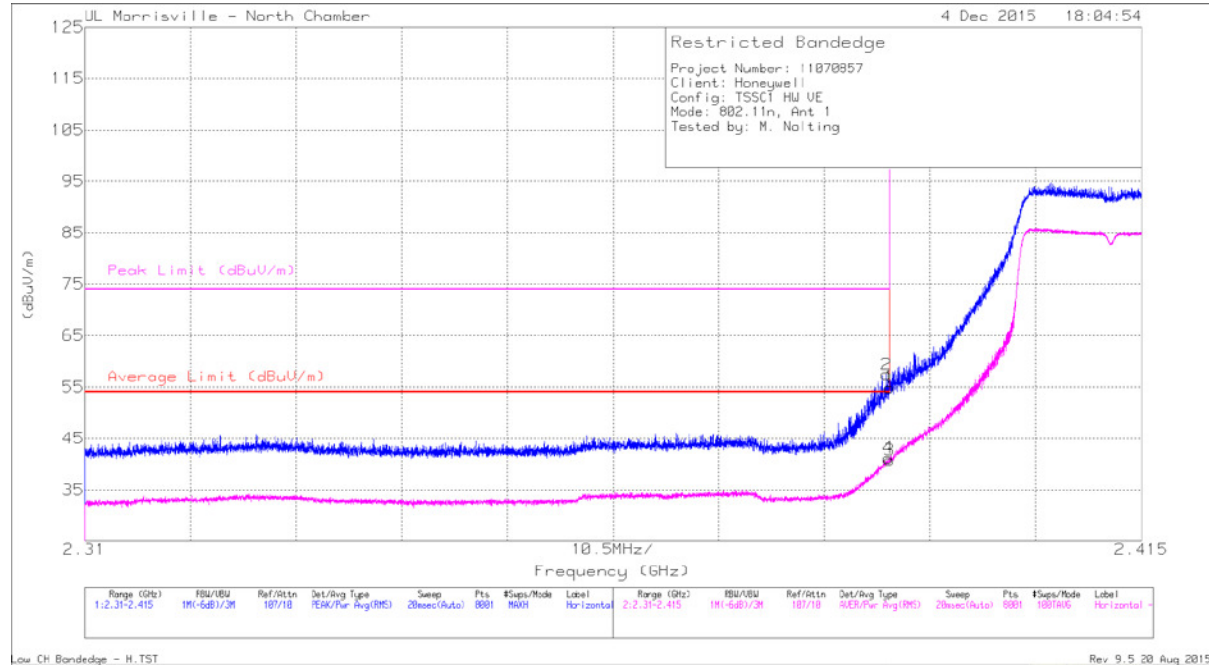
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

8.5. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

LOW CHANNEL RESTRICTED, HORIZ, ANT 1



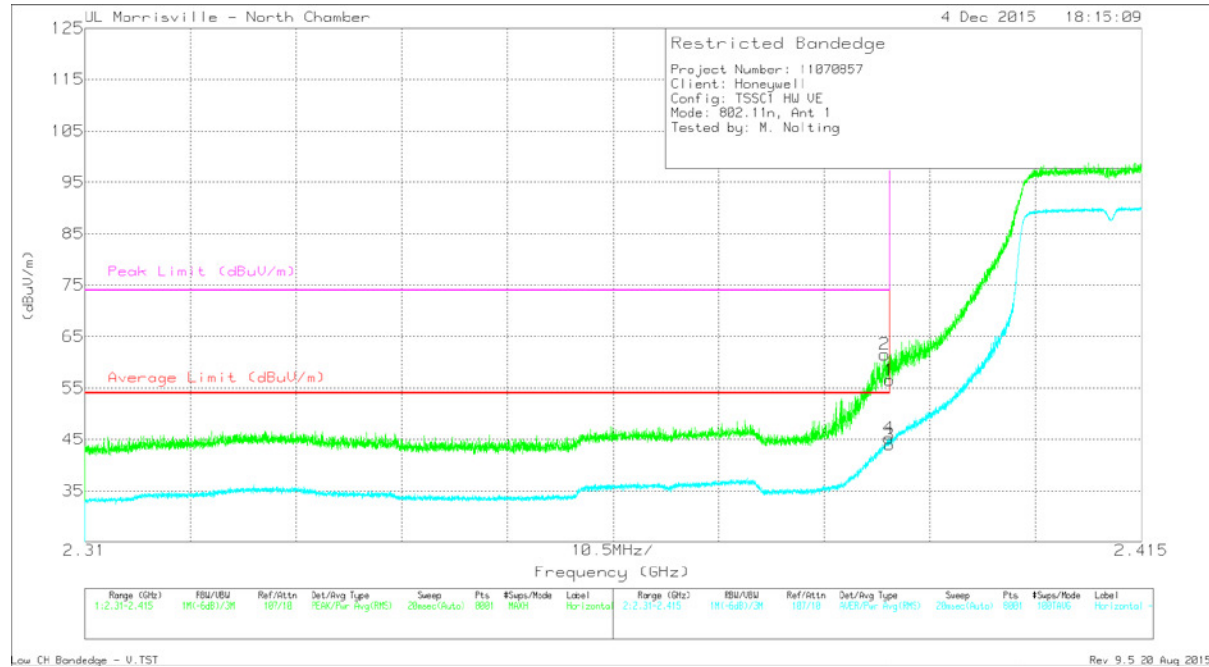
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	47.78	Pk	31.9	-24.8	54.88	-	-	74	-19.12	58	116	H
2	* 2.39	50.29	Pk	31.9	-24.8	57.39	-	-	74	-16.61	58	116	H
3	* 2.39	33.69	RMS	31.9	-24.8	40.79	54	-13.21	-	-	58	116	H
4	* 2.39	34.09	RMS	31.9	-24.8	41.19	54	-12.81	-	-	58	116	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERT, ANT 1



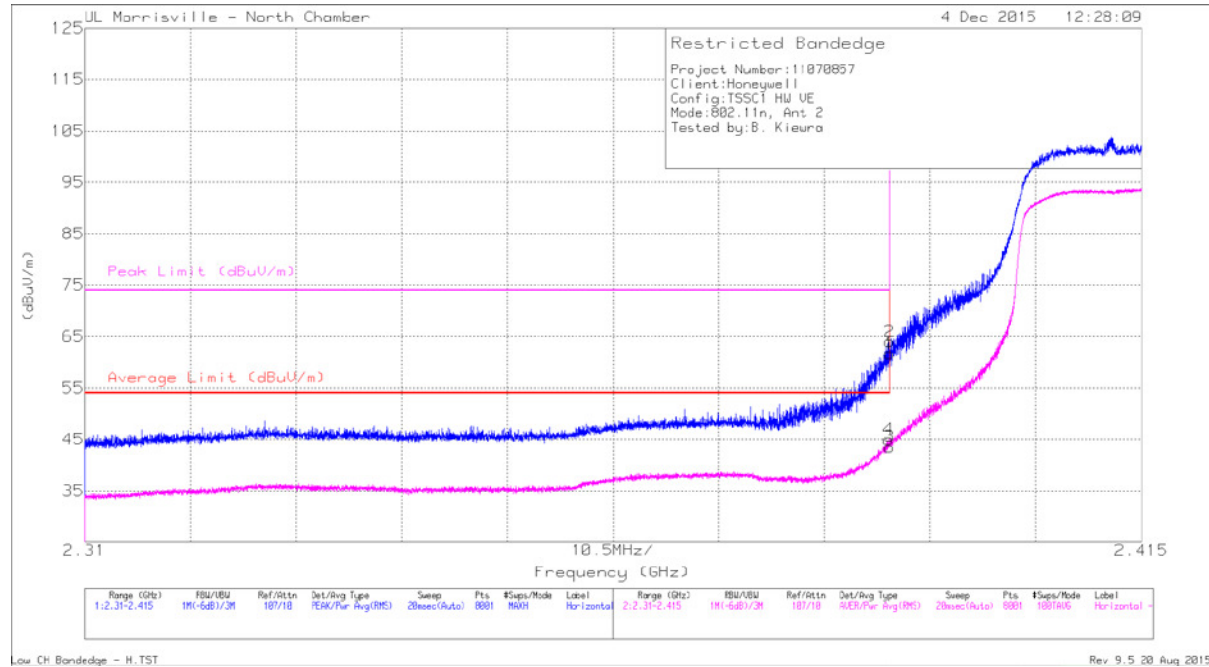
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	49.42	Pk	31.9	-24.8	56.52	-	-	74	-17.48	155	133	V
2	* 2.39	54.42	Pk	31.9	-24.8	61.52	-	-	74	-12.48	155	133	V
3	* 2.39	36.9	RMS	31.9	-24.8	44	54	-10	-	-	155	133	V
4	* 2.39	38.14	RMS	31.9	-24.8	45.24	54	-8.76	-	-	155	133	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, HORIZ, ANT 2



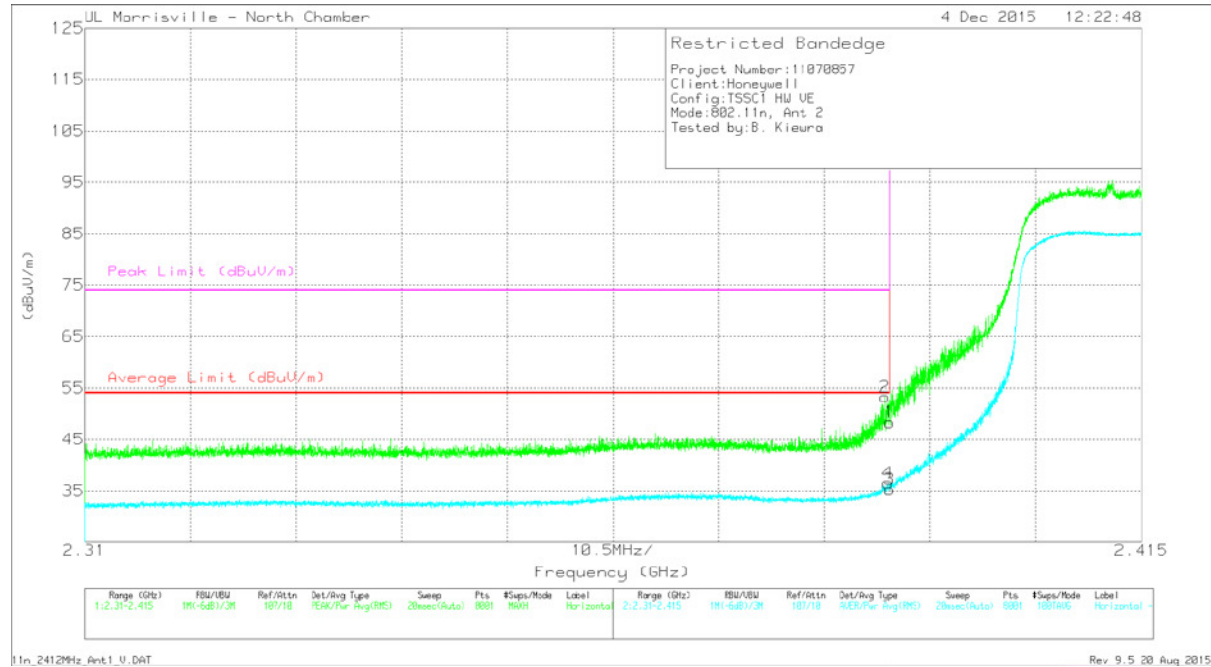
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	54.59	Pk	31.9	-24.8	61.69	-	-	74	-12.31	122	134	H
2	* 2.39	56.88	Pk	31.9	-24.8	63.98	-	-	74	-10.02	122	134	H
3	* 2.39	36.45	RMS	31.9	-24.8	43.55	54	-10.45	-	-	122	134	H
4	* 2.39	37.87	RMS	31.9	-24.8	44.97	54	-9.03	-	-	122	134	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERT, ANT 2



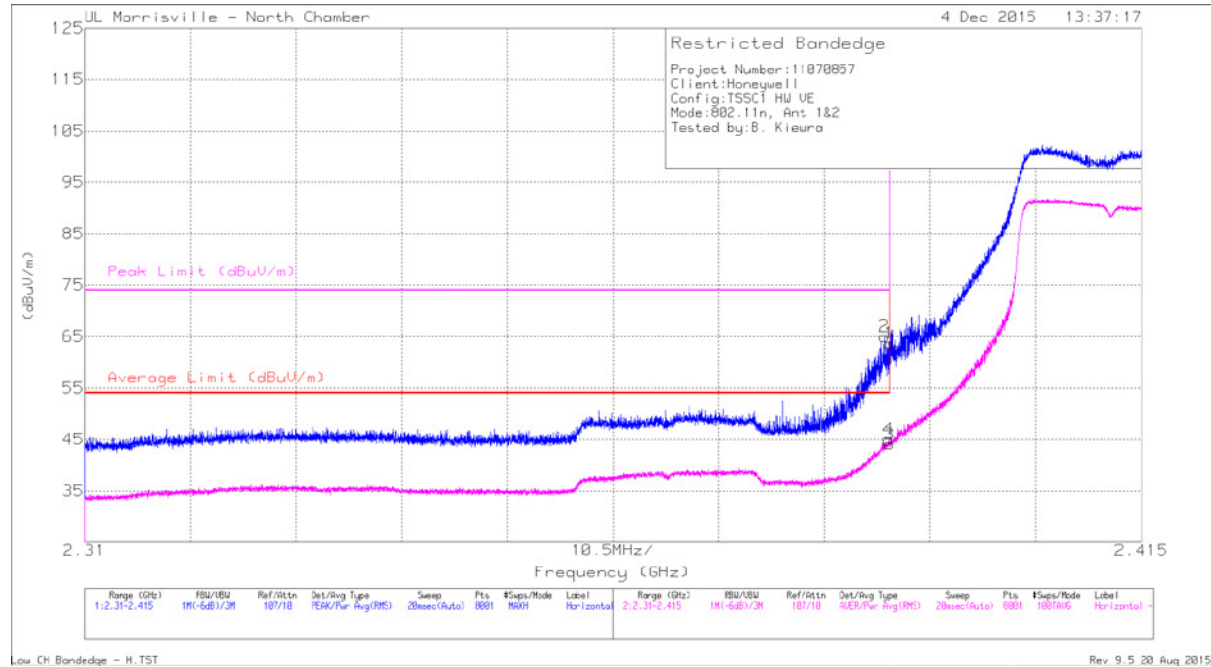
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.23	Pk	31.9	-24.8	48.33	-	-	74	-25.67	50	116	V
2	* 2.39	46.13	Pk	31.9	-24.8	53.23	-	-	74	-20.77	50	116	V
3	* 2.39	28.2	RMS	31.9	-24.8	35.3	54	-18.7	-	-	50	116	V
4	* 2.39	29.41	RMS	31.9	-24.8	36.51	54	-17.49	-	-	50	116	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, HORIZ, ANT 1/2



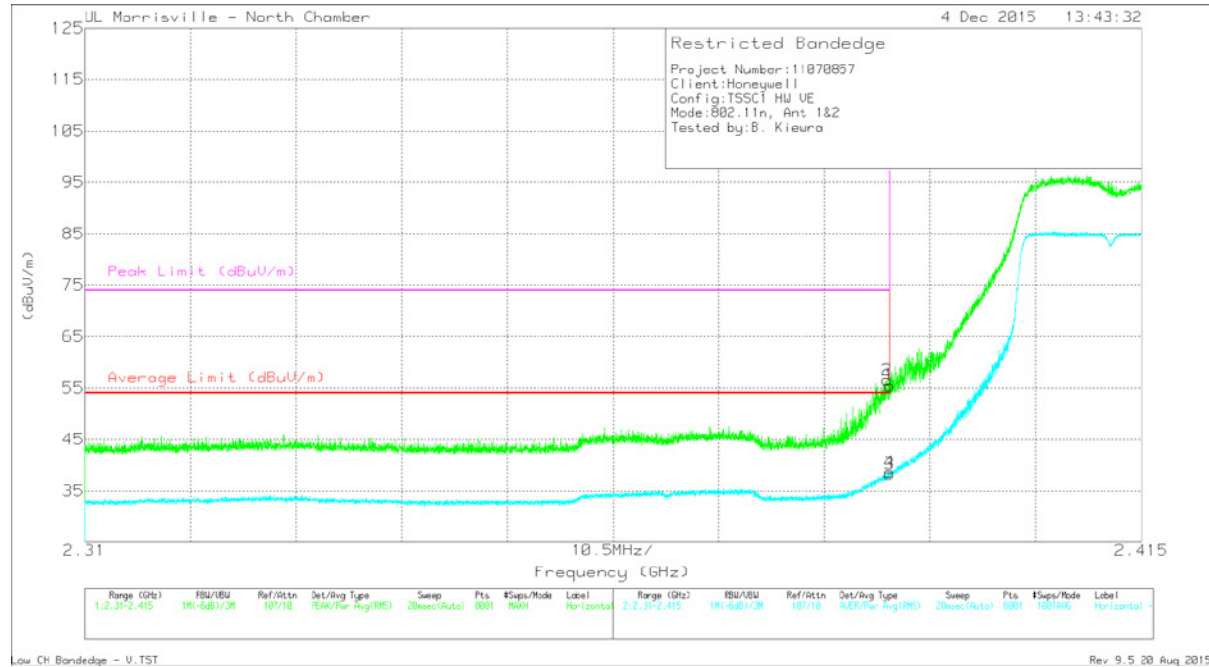
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	57.93	Pk	31.9	-24.8	65.03	-	-	74	-8.97	105	105	H
1	* 2.39	56.58	Pk	31.9	-24.8	63.68	-	-	74	-10.32	105	105	H
3	* 2.39	36.99	RMS	31.9	-24.8	44.09	54	-9.91	-	-	105	105	H
4	* 2.39	37.93	RMS	31.9	-24.8	45.03	54	-8.97	-	-	105	105	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERT, ANT 1/2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.37	Pk	31.9	-24.8	55.47	-	-	74	-18.53	23	112	V
2	* 2.39	49.44	Pk	31.9	-24.8	56.54	-	-	74	-17.46	23	112	V
3	* 2.39	31.18	RMS	31.9	-24.8	38.28	54	-15.72	-	-	23	112	V
4	* 2.39	31.51	RMS	31.9	-24.8	38.61	54	-15.39	-	-	23	112	V

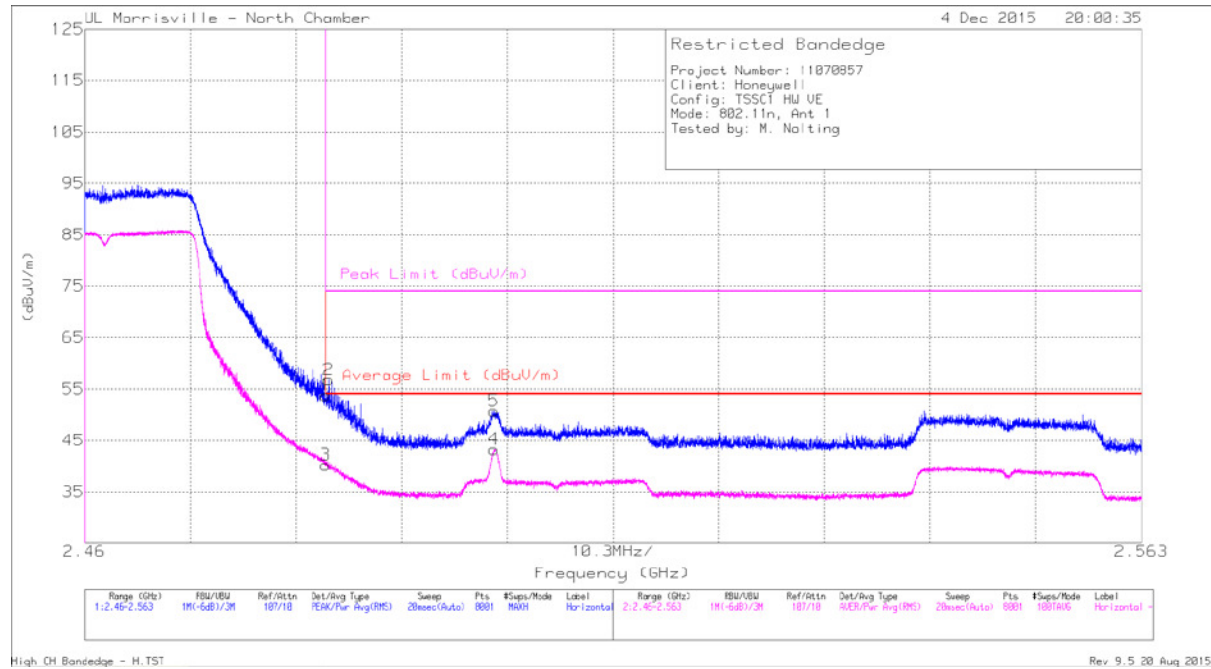
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

RESTRICTED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL RESTRICTED, HORIZ, ANT 1



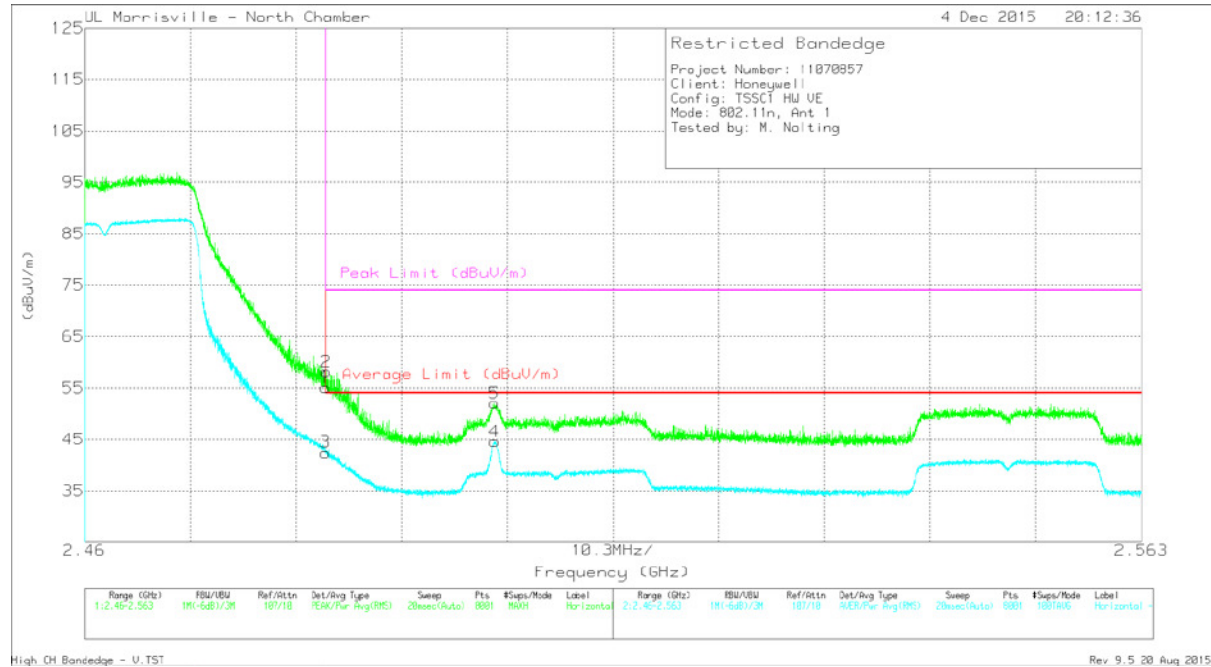
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1	* 2.484	46.51	Pk	32.1	-24.8	53.81	-	-	74	-20.19	57	136	H
2	* 2.484	49.47	Pk	32.1	-24.8	56.77	-	-	74	-17.23	57	136	H
3	* 2.484	32.93	RMS	32.1	-24.8	40.23	54	-13.77	-	-	57	136	H
5	* 2.5	43.32	Pk	32.1	-24.7	50.72	-	-	74	-23.28	57	136	H
4	* 2.5	35.88	RMS	32.1	-24.7	43.28	54	-10.72	-	-	57	136	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL RESTRICTED, VERT, ANT 1



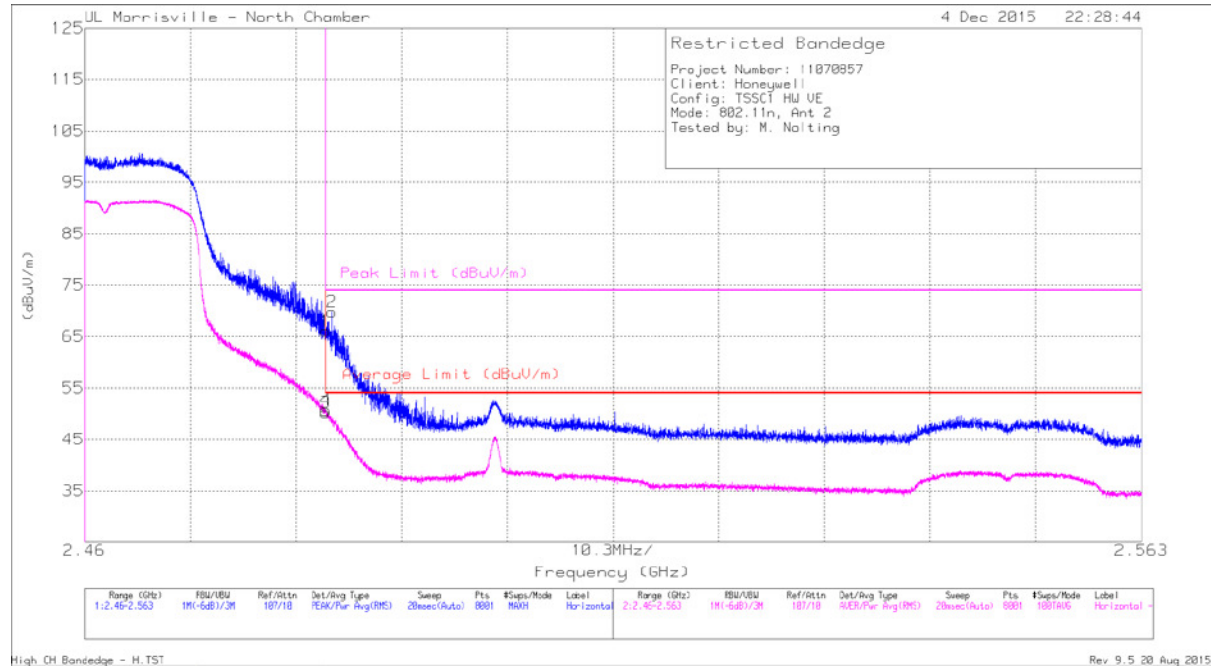
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.83	Pk	32.1	-24.8	55.13	-	-	74	-18.87	90	116	V
2	* 2.484	50.84	Pk	32.1	-24.8	58.14	-	-	74	-15.86	90	116	V
3	* 2.484	35.14	RMS	32.1	-24.8	42.44	54	-11.56	-	-	90	116	V
5	* 2.5	44.63	Pk	32.1	-24.7	52.03	-	-	74	-21.97	90	116	V
4	* 2.5	37.15	RMS	32.1	-24.7	44.55	54	-9.45	-	-	90	116	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL RESTRICTED, HORIZ, ANT 2



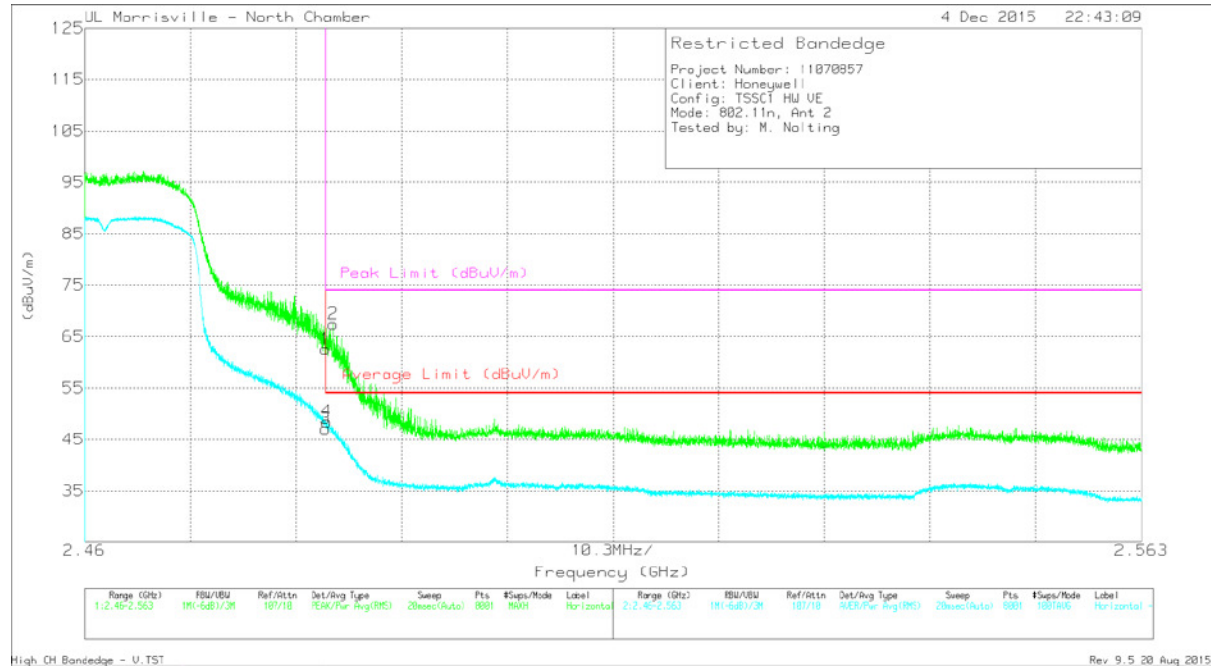
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	58.76	Pk	32.1	-24.8	66.06	-	-	74	-7.94	115	129	H
2	* 2.484	62.47	Pk	32.1	-24.8	69.77	-	-	74	-4.23	115	129	H
3	* 2.484	42.91	RMS	32.1	-24.8	50.21	54	-3.79	-	-	115	129	H
4	* 2.484	43.34	RMS	32.1	-24.8	50.64	54	-3.36	-	-	115	129	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL RESTRICTED, VERT, ANT 2



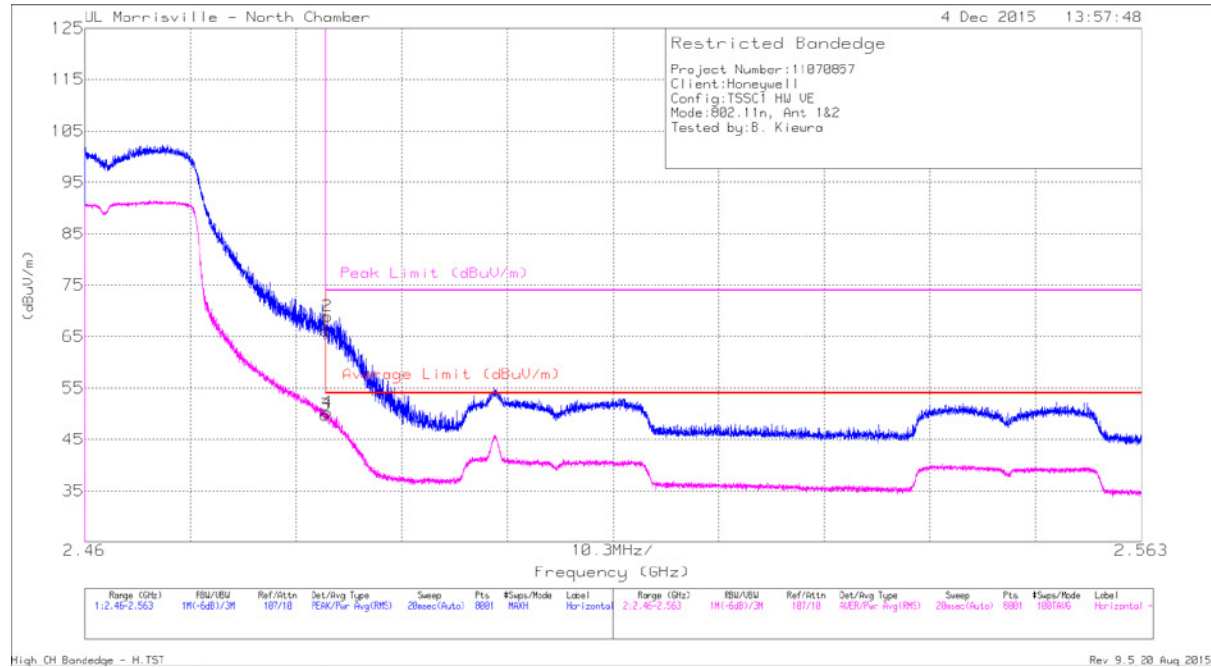
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.28	Pk	32.1	-24.8	62.58	-	-	74	-11.42	255	289	V
2	* 2.484	60.16	Pk	32.1	-24.8	67.46	-	-	74	-6.54	255	289	V
3	* 2.484	39.81	RMS	32.1	-24.8	47.11	54	-6.89	-	-	255	289	V
4	* 2.484	41.14	RMS	32.1	-24.8	48.44	54	-5.56	-	-	255	289	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL RESTRICTED, HORIZ, ANT 1/2



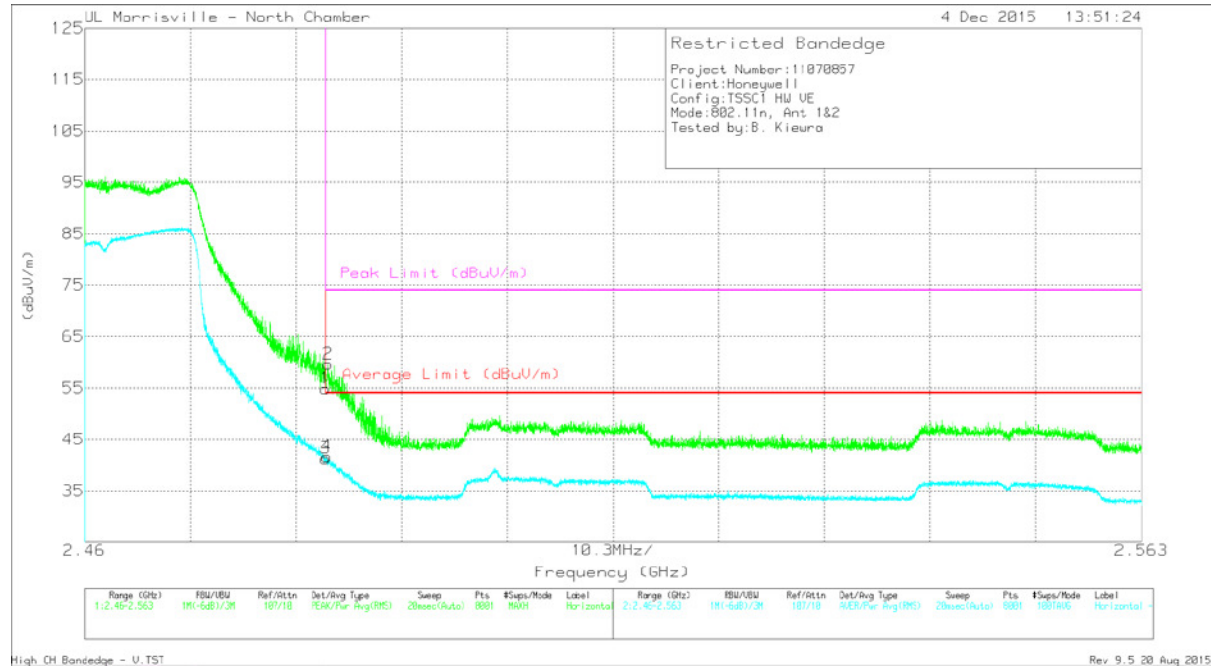
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	58.82	Pk	32.1	-24.8	66.12	-	-	74	-7.88	108	137	H
2	* 2.484	61.65	Pk	32.1	-24.8	68.95	-	-	74	-5.05	108	137	H
3	* 2.484	42.46	RMS	32.1	-24.8	49.76	54	-4.24	-	-	108	137	H
4	* 2.484	42.92	RMS	32.1	-24.8	50.22	54	-3.78	-	-	108	137	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL RESTRICTED, VERT, ANT 1/2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.6	Pk	32.1	-24.8	54.9	-	-	74	-19.1	22	116	V
2	* 2.484	52.36	Pk	32.1	-24.8	59.66	-	-	74	-14.34	22	116	V
3	* 2.484	34.04	RMS	32.1	-24.8	41.34	54	-12.66	-	-	22	116	V
4	* 2.484	34.37	RMS	32.1	-24.8	41.67	54	-12.33	-	-	22	116	V

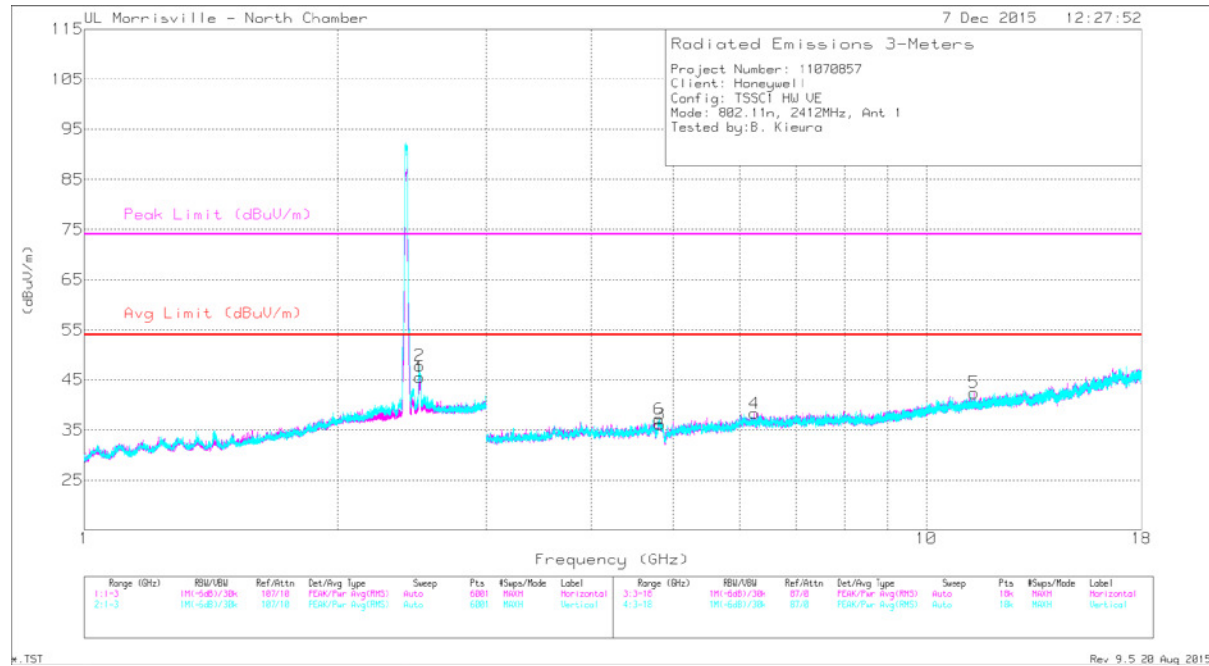
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, 1-18GHz, ANT 1



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.5	44.2	PK2	32.1	-24.7	51.6	-	-	74	-22.4	309	165	H
	* 2.5	35.45	MAv1	32.1	-24.7	42.85	54	-11.15	-	-	309	165	H
2	* 2.5	46.9	PK2	32.1	-24.7	54.3	-	-	74	-19.7	159	202	V
	* 2.5	38.51	MAv1	32.1	-24.7	45.91	54	-8.09	-	-	159	202	V
3	* 4.828	40.4	PK2	34.1	-32.2	42.3	-	-	74	-31.7	283	149	H
	* 4.83	29.41	MAv1	34.1	-32.2	31.31	54	-22.69	-	-	283	149	H
5	* 11.386	34.93	PK2	38.2	-26.1	47.03	-	-	74	-26.97	119	333	H
	* 11.383	23.46	MAv1	38.2	-26.1	35.56	54	-18.44	-	-	119	333	H
6	* 4.815	41.48	PK2	34.1	-32.2	43.38	-	-	74	-30.62	148	394	V
	* 4.815	30.16	MAv1	34.1	-32.2	32.06	54	-21.94	-	-	148	394	V
4	6.244	34.6	Pk	35.4	-31.7	38.3	-	-	-	-	0-360	101	H

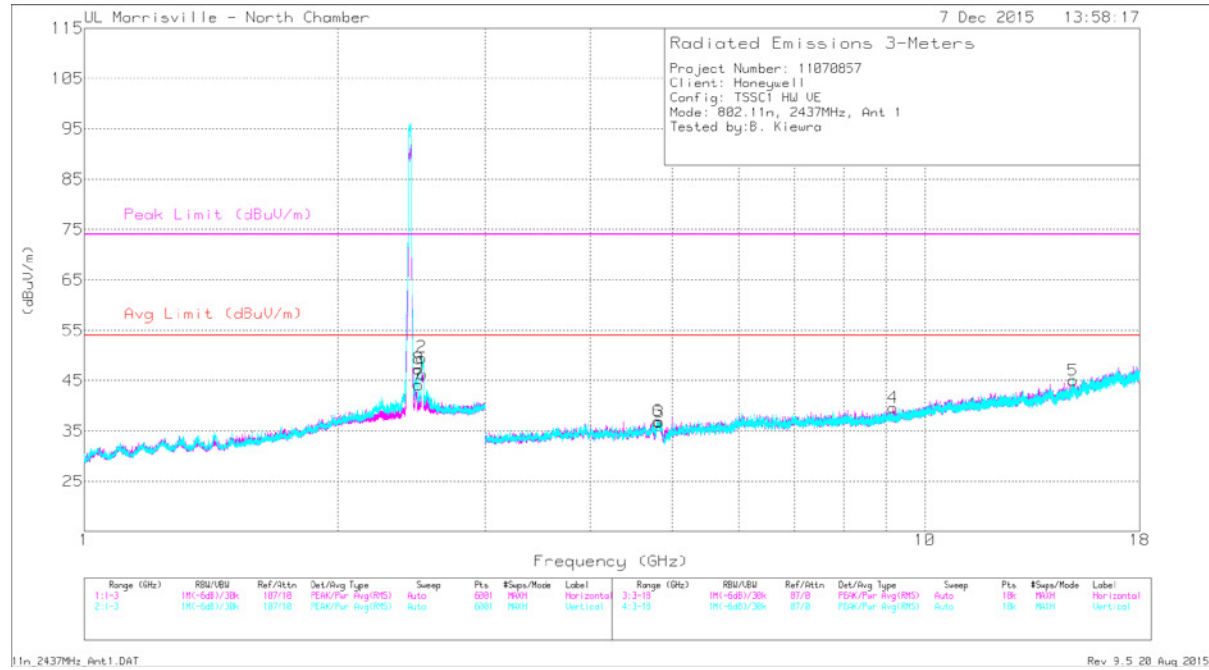
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, 1-18GHz, ANT 1



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7	* 2.5	42.71	PK2	32.1	-24.7	50.11	-	-	74	-23.89	309	147	H
	* 2.5	34.51	MAV1	32.1	-24.7	41.91	54	-12.09	-	-	309	147	H
8	* 2.5	44.34	PK2	32.1	-24.7	51.74	-	-	74	-22.26	162	187	V
	* 2.5	36.23	MAV1	32.1	-24.7	43.63	54	-10.37	-	-	162	187	V
3	* 4.833	40.16	PK2	34.1	-32.1	42.16	-	-	74	-31.84	209	266	H
	* 4.834	28.92	MAV1	34.1	-32.1	30.92	54	-23.08	-	-	209	266	H
4	* 9.167	37.3	PK2	36.4	-28.7	45	-	-	74	-29	179	228	H
	* 9.168	25.11	MAV1	36.4	-28.7	32.81	54	-21.19	-	-	179	228	H
6	* 4.818	42.18	PK2	34.1	-32.2	44.08	-	-	74	-29.92	310	232	V

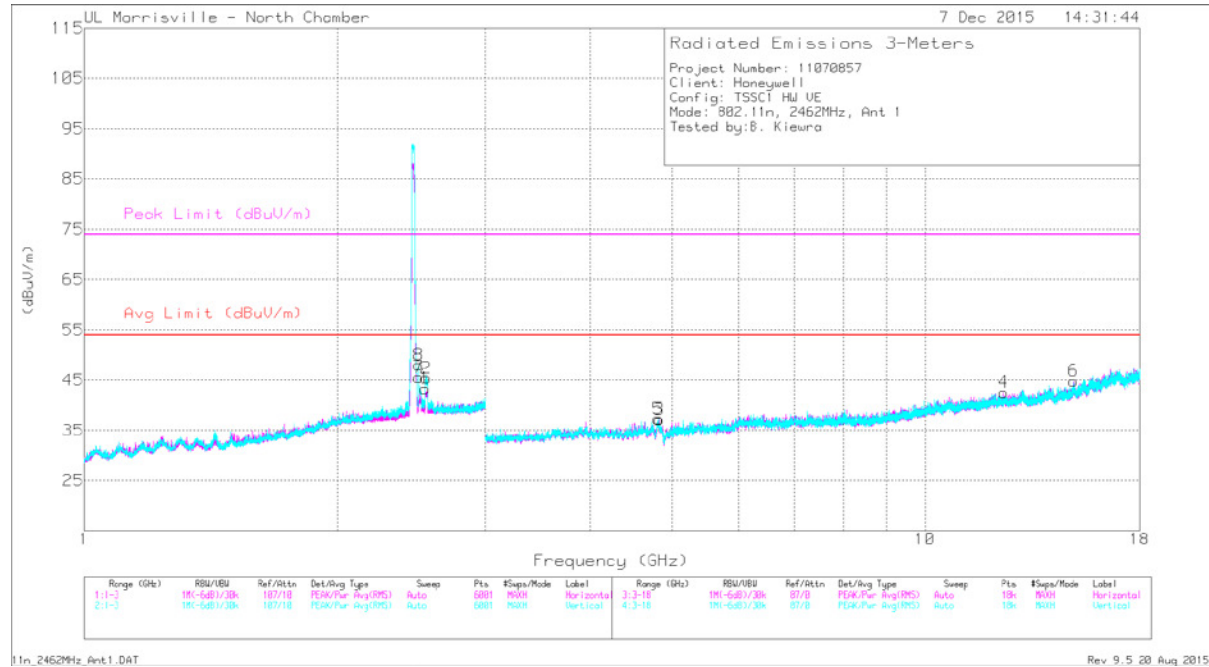
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, 1-18GHz, ANT 1



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7	* 2.5	44.1	PK2	32.1	-24.7	51.5	-	-	74	-22.5	307	147	H
	* 2.5	35.31	MAv1	32.1	-24.7	42.71	54	-11.29	-	-	307	147	H
8	* 2.5	45.96	PK2	32.1	-24.7	53.36	-	-	74	-20.64	162	187	V
	* 2.5	37.12	MAv1	32.1	-24.7	44.52	54	-9.48	-	-	162	187	V
3	* 4.828	40.28	PK2	34.1	-32.2	42.18	-	-	74	-31.82	221	166	H
	* 4.829	29.33	MAv1	34.1	-32.2	31.23	54	-22.77	-	-	221	166	H
4	* 12.408	35.6	PK2	39.1	-27.3	47.4	-	-	74	-26.6	290	210	H
	* 12.41	24.36	MAv1	39.1	-27.3	36.16	54	-17.84	-	-	290	210	H
5	* 4.818	41.14	PK2	34.1	-32.2	43.04	-	-	74	-30.96	320	183	V
	* 4.819	29.99	MAv1	34.1	-32.2	31.89	54	-22.11	-	-	320	183	V
1	2.544	35.84	Pk	32.2	-24.7	43.34	-	-	-	-	0-360	200	H
2	2.549	37.78	Pk	32.2	-24.6	45.38	-	-	-	-	0-360	200	V
6	15.023	31.53	Pk	39.9	-26.6	44.83	-	-	-	-	0-360	101	V

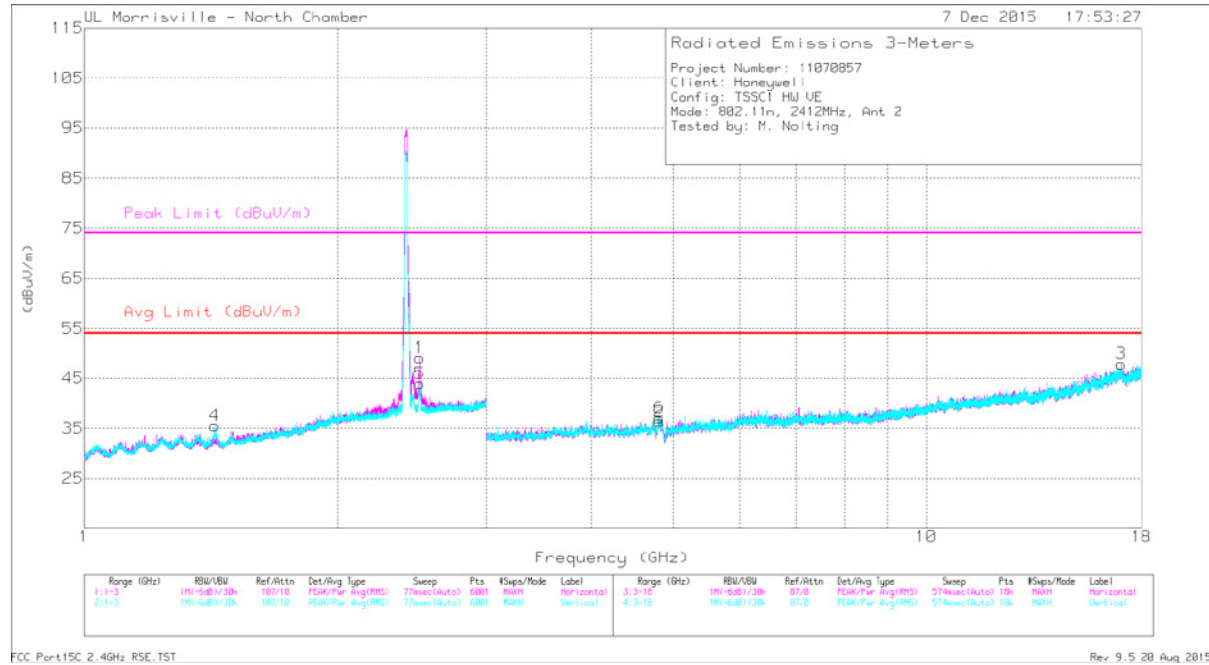
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

LOW CHANNEL, 1-18GHz, ANT 2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.5	47.54	PK2	32.1	-24.7	54.94	-	-	74	-19.06	125	104	H
	* 2.5	38.51	MAv1	32.1	-24.7	45.91	54	-8.09	-	-	125	104	H
5	* 2.5	44.34	PK2	32.1	-24.7	51.74	-	-	74	-22.26	186	255	V
	* 2.5	35.46	MAv1	32.1	-24.7	42.86	54	-11.14	-	-	186	255	V
2	* 4.821	41.09	PK2	34.1	-32.2	42.99	-	-	74	-31.01	98	200	H
	* 4.822	29.62	MAv1	34.1	-32.2	31.52	54	-22.48	-	-	98	200	H
6	* 4.829	41.14	PK2	34.1	-32.2	43.04	-	-	74	-30.96	317	105	V
	* 4.822	29.74	MAv1	34.1	-32.2	31.64	54	-22.36	-	-	317	105	V
4	1.429	32.8	Pk	28.2	-25.5	35.5	-	-	-	-	0-360	200	V
3	17.037	31.71	Pk	42.1	-25.9	47.91	-	-	-	-	0-360	199	H

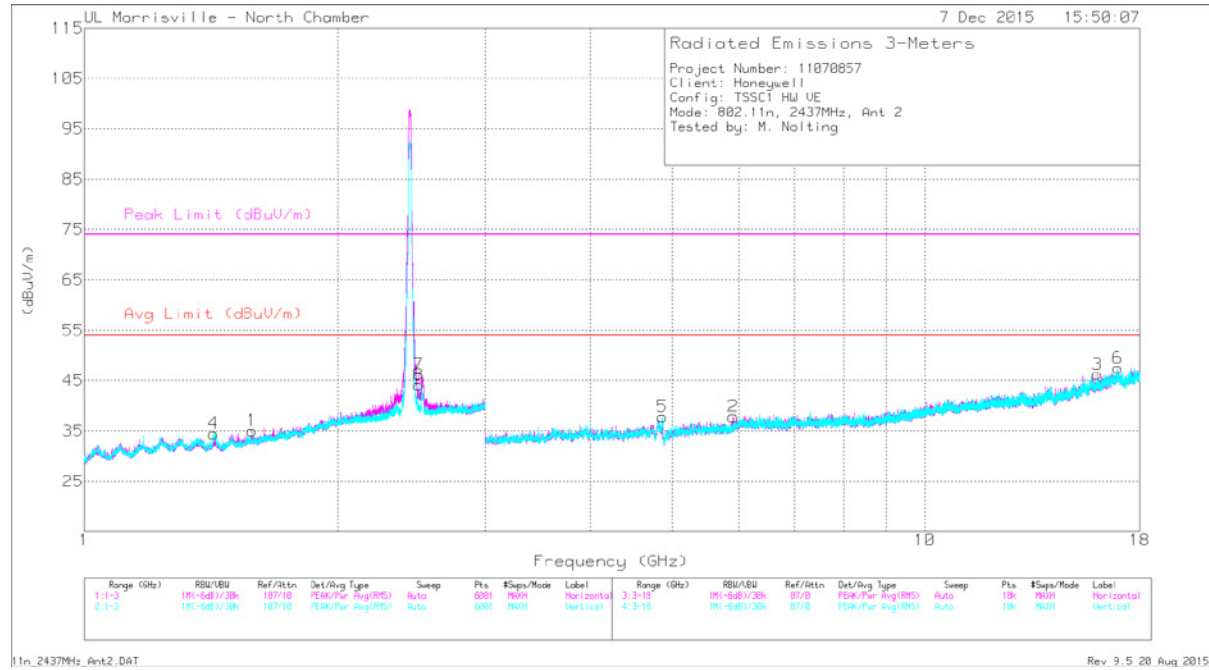
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, 1-18GHz, ANT 2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.584	38.33	PK2	28.4	-24.9	41.83	-	-	74	-32.17	85	350	H
	* 1.584	26.9	MAv1	28.4	-24.9	30.4	54	-23.6	-	-	85	350	H
7	* 2.5	46.44	PK2	32.1	-24.7	53.84	-	-	74	-20.16	116	105	H
	* 2.5	37.97	MAv1	32.1	-24.7	45.37	54	-8.63	-	-	116	105	H
4	* 1.426	37.61	PK2	28.2	-25.5	40.31	-	-	74	-33.69	233	199	V
	* 1.427	26.15	MAv1	28.2	-25.5	28.85	54	-25.15	-	-	233	199	V
8	* 2.5	43.01	PK2	32.1	-24.7	50.41	-	-	74	-23.59	191	255	V
	* 2.5	33.96	MAv1	32.1	-24.7	41.36	54	-12.64	-	-	191	255	V
3	* 16.043	36.74	PK2	41.2	-26.6	51.34	-	-	74	-22.66	343	199	H
	* 16.034	25.38	MAv1	41.2	-26.6	39.98	54	-14.02	-	-	343	199	H
5	* 4.871	44.84	PK2	34.1	-32.1	46.84	-	-	74	-27.16	196	110	V
	* 4.875	32.55	MAv1	34.1	-32.2	34.45	54	-19.55	-	-	196	110	V
2	5.914	35.45	Pk	35	-32.6	37.85	-	-	-	-	0-360	101	H
6	16.957	30.32	Pk	42.2	-25	47.52	-	-	-	-	0-360	101	V

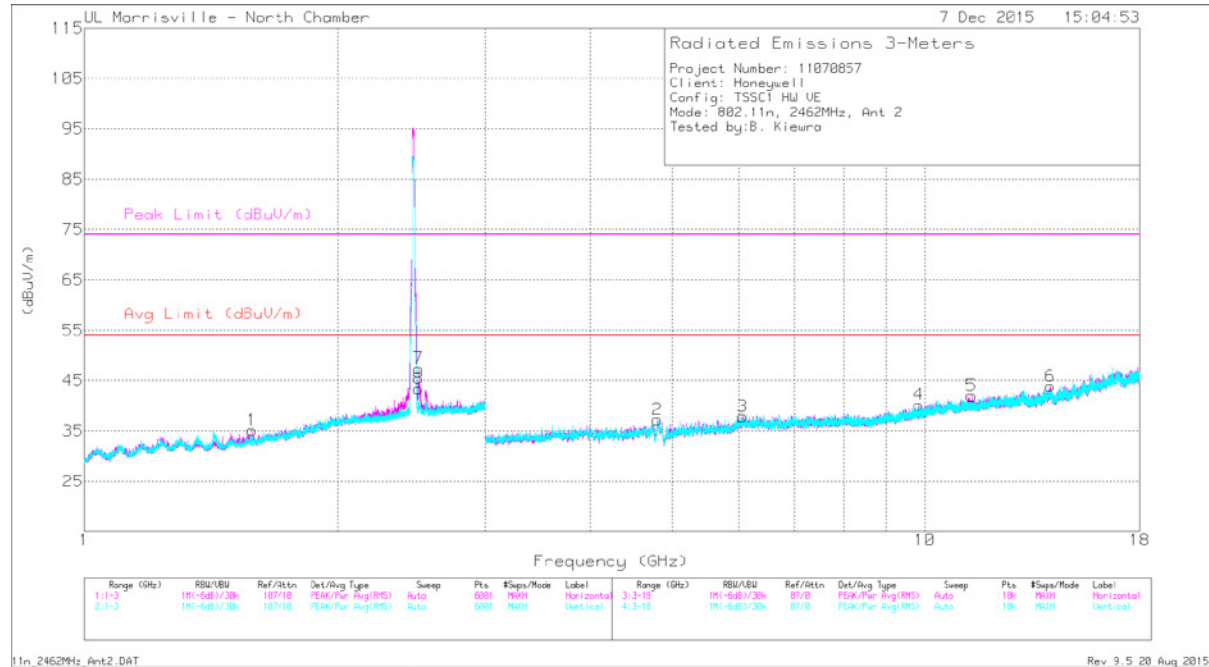
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, 1-18GHz, ANT 2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.584	37.2	PK2	28.4	-24.9	40.7	-	-	74	-33.3	82	345	H
	* 1.584	26.45	MAV1	28.4	-24.9	29.95	54	-24.05	-	-	82	345	H
7	* 2.5	47.03	PK2	32.1	-24.7	54.43	-	-	74	-19.57	116	105	H
	* 2.5	38.43	MAV1	32.1	-24.7	45.83	54	-8.17	-	-	116	105	H
8	* 2.5	43.58	PK2	32.1	-24.7	50.98	-	-	74	-23.02	197	318	V
	* 2.5	34.68	MAV1	32.1	-24.7	42.08	54	-11.92	-	-	197	318	V
2	* 4.811	41.45	PK2	34.1	-32.3	43.25	-	-	74	-30.75	318	344	H
	* 4.811	30.15	MAV1	34.1	-32.3	31.95	54	-22.05	-	-	318	344	H
5	* 11.357	34.22	PK2	38.2	-25.9	46.52	-	-	74	-27.48	84	104	H
	* 11.355	23.23	MAV1	38.2	-25.9	35.53	54	-18.47	-	-	84	104	H
3	6.067	33.17	Pk	35.2	-30.5	37.87	-	-	-	-	0-360	101	H
4	9.839	31.51	Pk	37.1	-28.4	40.21	-	-	-	-	0-360	101	H
6	14.1	32.08	Pk	39.3	-27.5	43.88	-	-	-	-	0-360	199	H

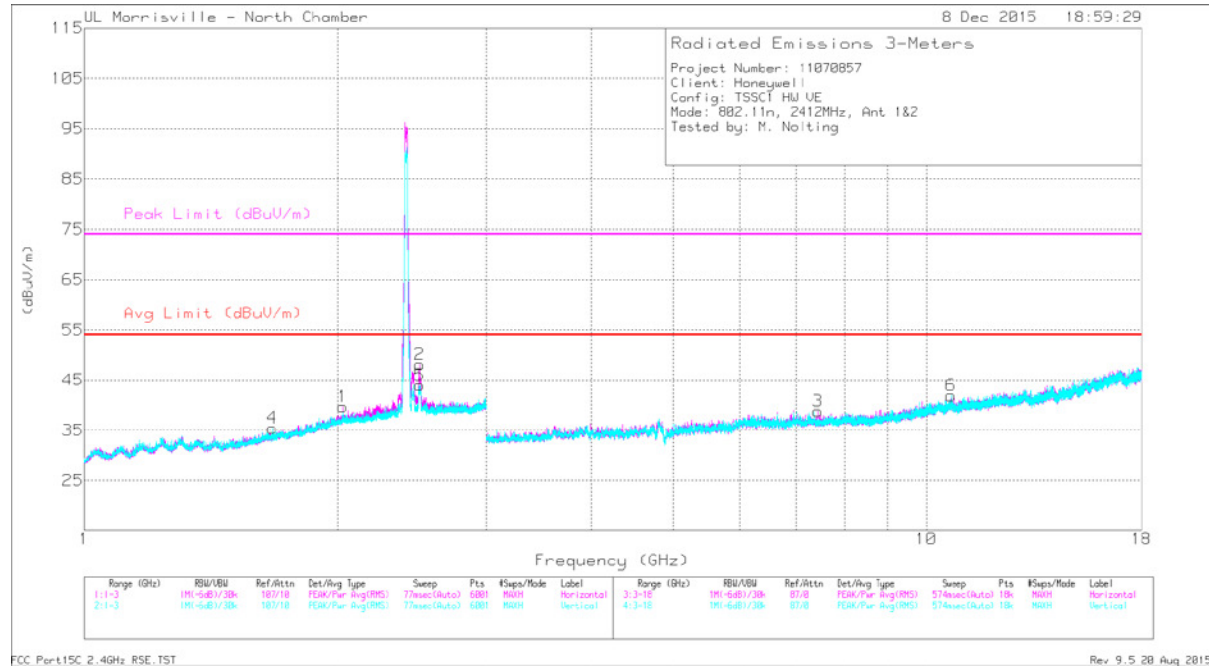
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

LOW CHANNEL, 1-18GHz, ANT 1/2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.5	47.5	PK2	32.1	-24.7	54.9	-	-	74	-19.1	121	105	H
	* 2.5	38	MAv1	32.1	-24.7	45.4	54	-8.6	-	-	121	105	H
4	* 1.669	36.82	PK2	29	-24.9	40.92	-	-	74	-33.08	25	200	V
	* 1.669	24.31	MAv1	29	-24.8	28.51	54	-25.49	-	-	25	200	V
5	* 2.5	44.65	PK2	32.1	-24.7	52.05	-	-	74	-21.95	142	256	V
	* 2.5	34.9	MAv1	32.1	-24.7	42.3	54	-11.7	-	-	142	256	V
3	* 7.422	37.81	PK2	35.8	-30.1	43.51	-	-	74	-30.49	3	102	H
	* 7.423	26.47	MAv1	35.8	-30.1	32.17	54	-21.83	-	-	3	102	H
6	* 10.696	35	PK2	37.8	-26	46.8	-	-	74	-27.2	72	150	V
	* 10.696	23.62	MAv1	37.8	-26.1	35.32	54	-18.68	-	-	72	150	V
1	2.027	32.76	Pk	31.7	-24.8	39.66	-	-	-	-	0-360	102	H

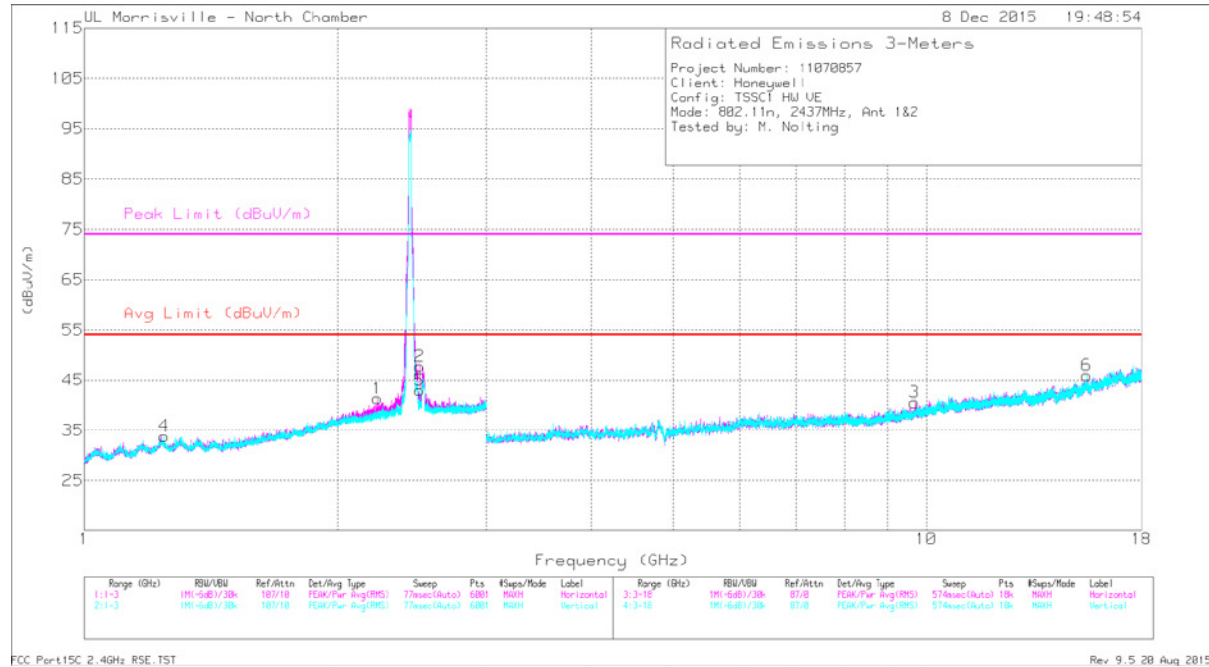
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, 1-18GHz, ANT 1/2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 2.228	40.88	PK2	31.6	-24.8	47.68	-	-	74	-26.32	98	104	H
	* 2.231	28.6	MAV1	31.6	-24.8	35.4	54	-18.6	-	-	98	104	H
2	* 2.5	45.57	PK2	32.1	-24.7	52.97	-	-	74	-21.03	118	106	H
	* 2.5	37.34	MAV1	32.1	-24.7	44.74	54	-9.26	-	-	118	106	H
4	* 1.241	37.03	PK2	29	-26.2	39.83	-	-	74	-34.17	265	198	V
	* 1.238	24.91	MAV1	28.9	-26.2	27.61	54	-26.39	-	-	265	198	V
5	* 2.5	42.93	PK2	32.1	-24.7	50.33	-	-	74	-23.67	139	254	V
	* 2.5	34.12	MAV1	32.1	-24.7	41.52	54	-12.48	-	-	139	254	V
6	* 15.501	35.19	PK2	40.4	-24.8	50.79	-	-	74	-23.21	44	102	V
	* 15.502	23.99	MAV1	40.4	-24.8	39.59	54	-14.41	-	-	44	102	V
3	9.68	32.11	Pk	36.9	-28.5	40.51	-	-	-	-	0-360	101	H

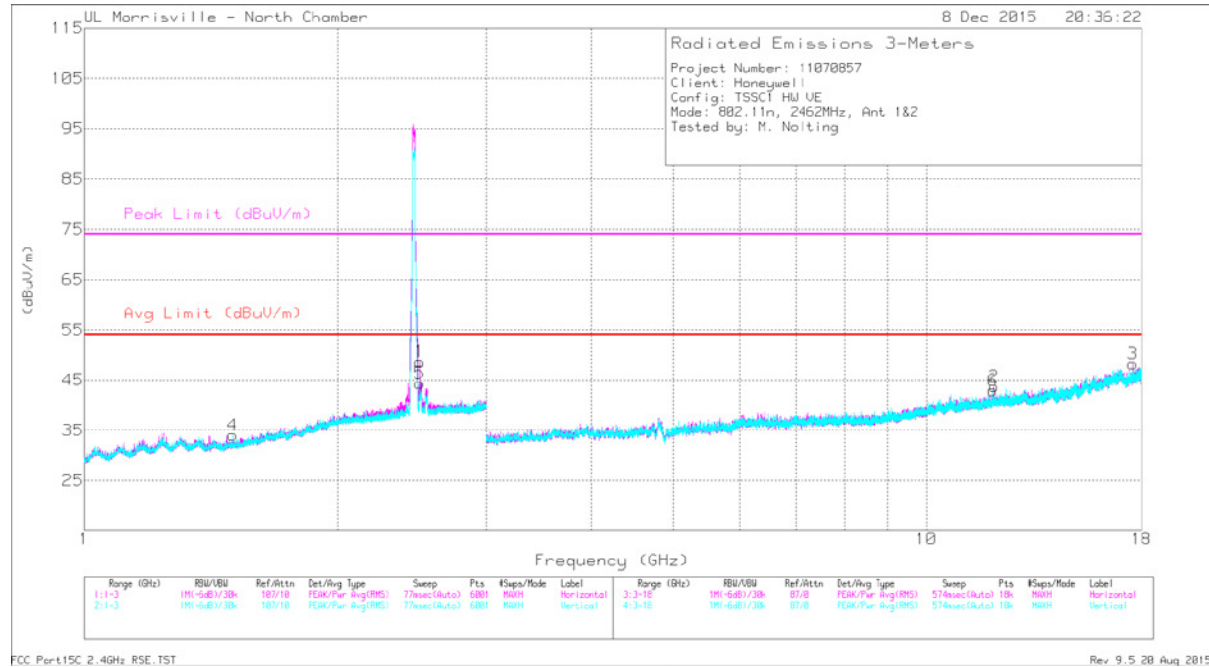
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, 1-18GHz, ANT 1/2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0072 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 2.5	47.48	PK2	32.1	-24.7	54.88	-	-	74	-19.12	119	106	H
	* 2.5	38.22	MAv1	32.1	-24.7	45.62	54	-8.38	-	-	119	106	H
4	* 1.498	36.47	PK2	27.9	-25.2	39.17	-	-	74	-34.83	57	101	V
	* 1.496	24.41	MAv1	27.9	-25.2	27.11	54	-26.89	-	-	57	101	V
5	* 2.5	44.94	PK2	32.1	-24.7	52.34	-	-	74	-21.66	140	254	V
	* 2.5	35.17	MAv1	32.1	-24.7	42.57	54	-11.43	-	-	140	254	V
2	* 12.039	35.23	PK2	38.9	-26.6	47.53	-	-	74	-26.47	228	102	H
	* 12.039	24.06	MAv1	38.9	-26.6	36.36	54	-17.64	-	-	228	102	H
6	* 11.987	35.28	PK2	38.9	-26.8	47.38	-	-	74	-26.62	225	199	V
	* 11.987	24.07	MAv1	38.9	-26.8	36.17	54	-17.83	-	-	225	199	V
3	17.558	31.49	Pk	41.8	-25.1	48.19	-	-	-	-	0-360	199	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

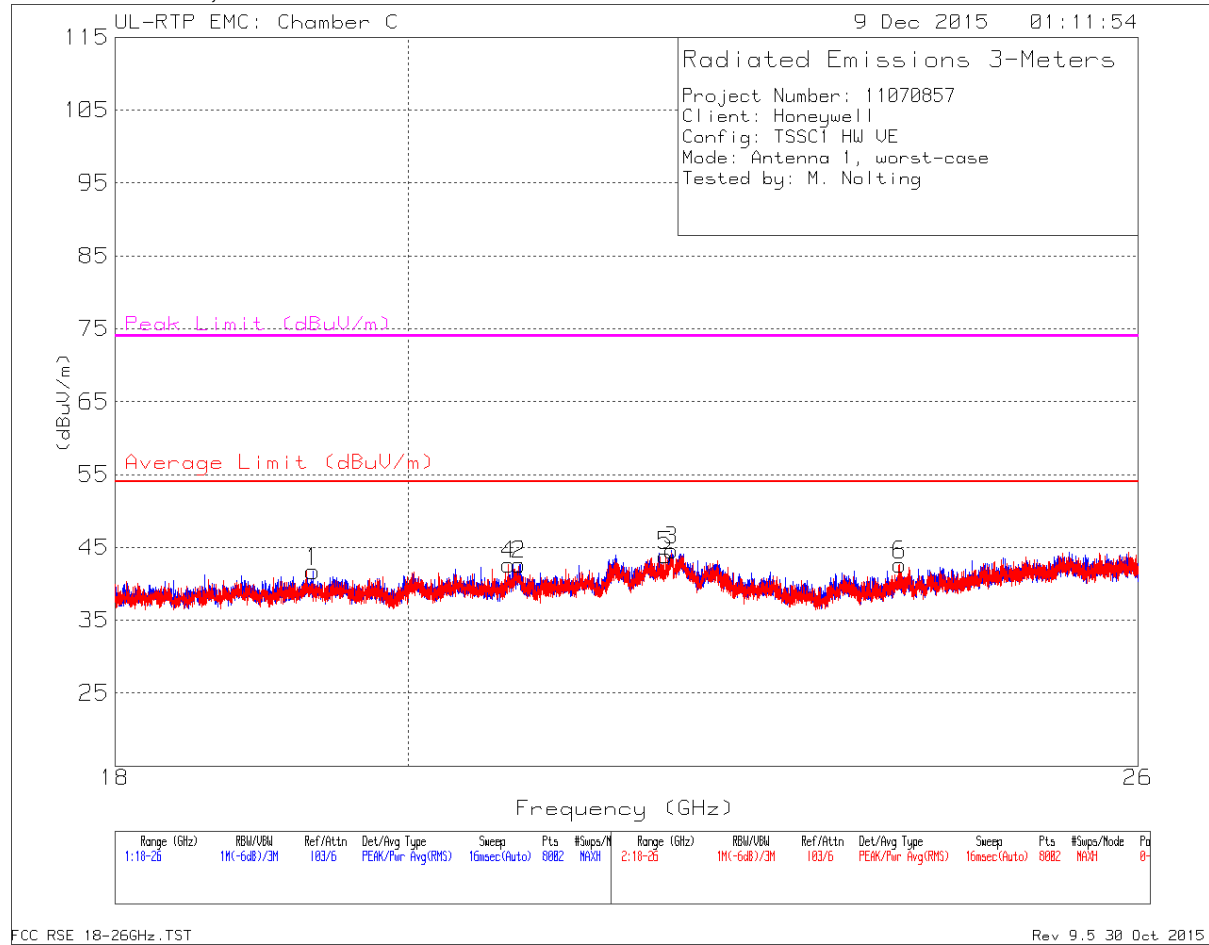
Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

8.6. WORST-CASE 18-26 GHz

WORST-CASE, ANT 1



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Ave. Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.331	50.21	Pk	32.7	-41.2	41.71	54	-12.29	74	-32.29	0-360	150	H
4	* 20.737	50.42	Pk	33	-40.8	42.62	54	-11.38	74	-31.38	0-360	200	V
2	* 20.816	49.94	Pk	33.3	-40.6	42.64	54	-11.36	74	-31.36	0-360	200	H
6	* 23.867	48.89	Pk	33.5	-39.8	42.59	54	-11.41	74	-31.41	0-360	200	V
5	21.939	47.97	Pk	36.3	-40.4	43.87	54	-10.13	74	-30.13	0-360	200	V
3	21.989	48.67	Pk	36.6	-40.7	44.57	54	-9.43	74	-29.43	0-360	200	H

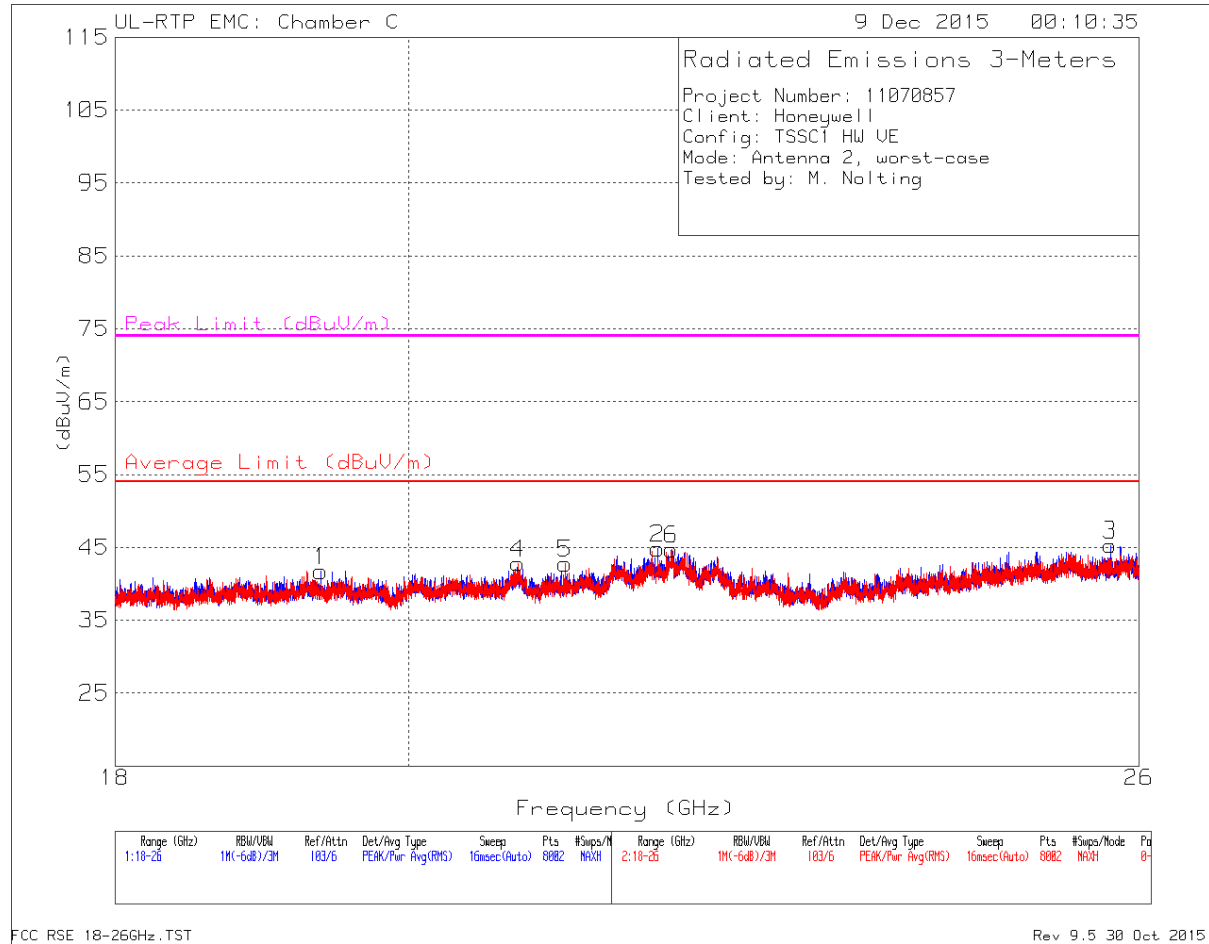
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

FCC RSE 18-26GHz.TST

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WORST-CASE, ANT 2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Avg. Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	21.876	49.42	Pk	36	-40.6	44.82	54	-9.18	74	-29.18	0-360	101	H
3	25.734	48.89	Pk	34.1	-37.7	45.29	54	-8.71	74	-28.71	0-360	200	H
4	* 20.804	50.22	Pk	33.3	-40.7	42.82	54	-11.18	74	-31.18	0-360	150	V
5	* 21.159	50.36	Pk	33.3	-40.9	42.76	54	-11.24	74	-31.24	0-360	125	V
6	21.983	48.73	Pk	36.6	-40.6	44.73	54	-9.27	74	-29.27	0-360	125	V
1	* 19.38	49.75	Pk	32.7	-40.7	41.75	54	-12.25	74	-32.25	0-360	175	H

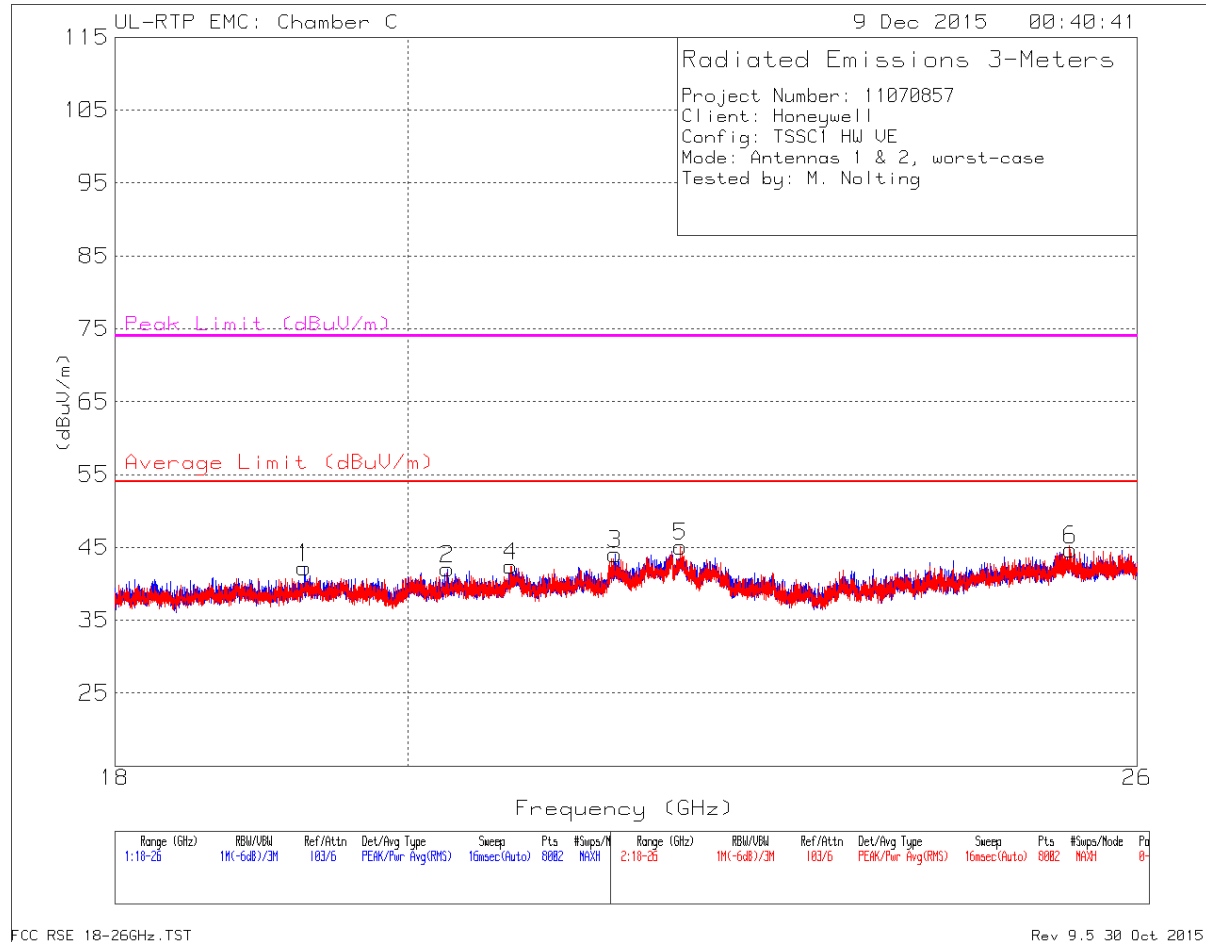
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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WORST-CASE, ANT 1/2



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Ave. Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.271	50.2	Pk	32.6	-40.6	42.2	54	-11.8	74	-31.8	0-360	101	H
2	* 20.289	50.34	Pk	32.7	-41	42.04	54	-11.96	74	-31.96	0-360	175	H
4	* 20.757	50.33	Pk	33.1	-41	42.43	54	-11.57	74	-31.57	0-360	200	V
5	* 22.062	49.02	Pk	36.6	-40.5	45.12	54	-8.88	74	-28.88	0-360	200	V
3	21.552	50.06	Pk	34.4	-40.4	44.06	54	-9.94	74	-29.94	0-360	101	H
6	25.386	48.78	Pk	34	-38.1	44.68	54	-9.32	74	-29.32	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

FCC RSE 18-26GHz.TST

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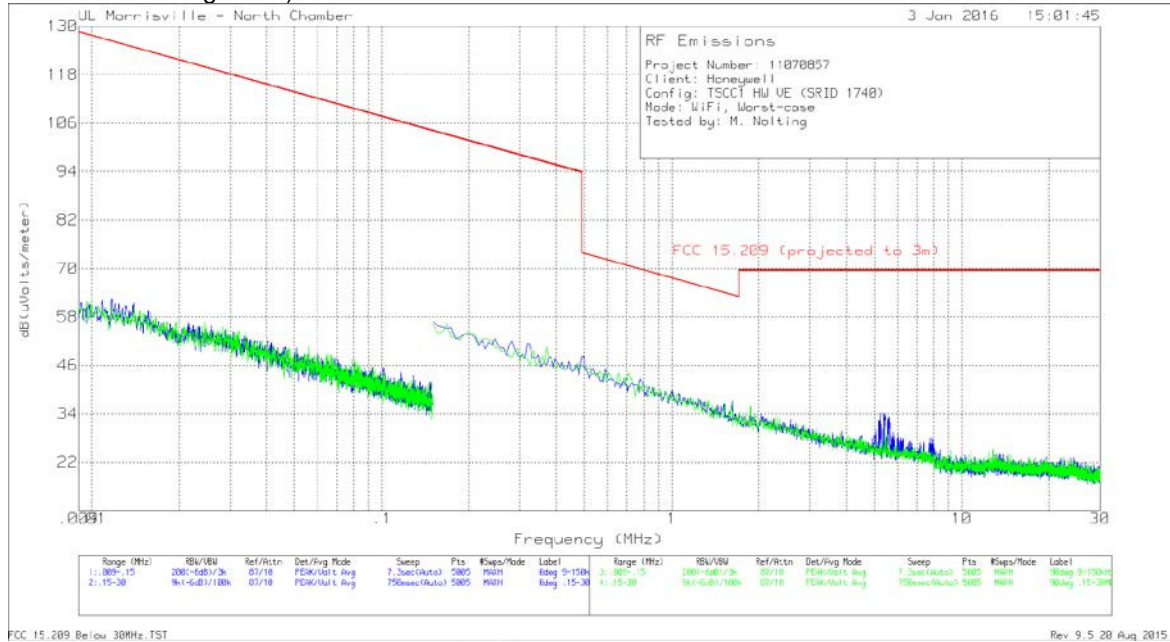
8.7. WORST-CASE BELOW 1 GHz

Note: The worst-case modes and channels tested for a given antenna configuration were based on the highest measured E.I.R.P.

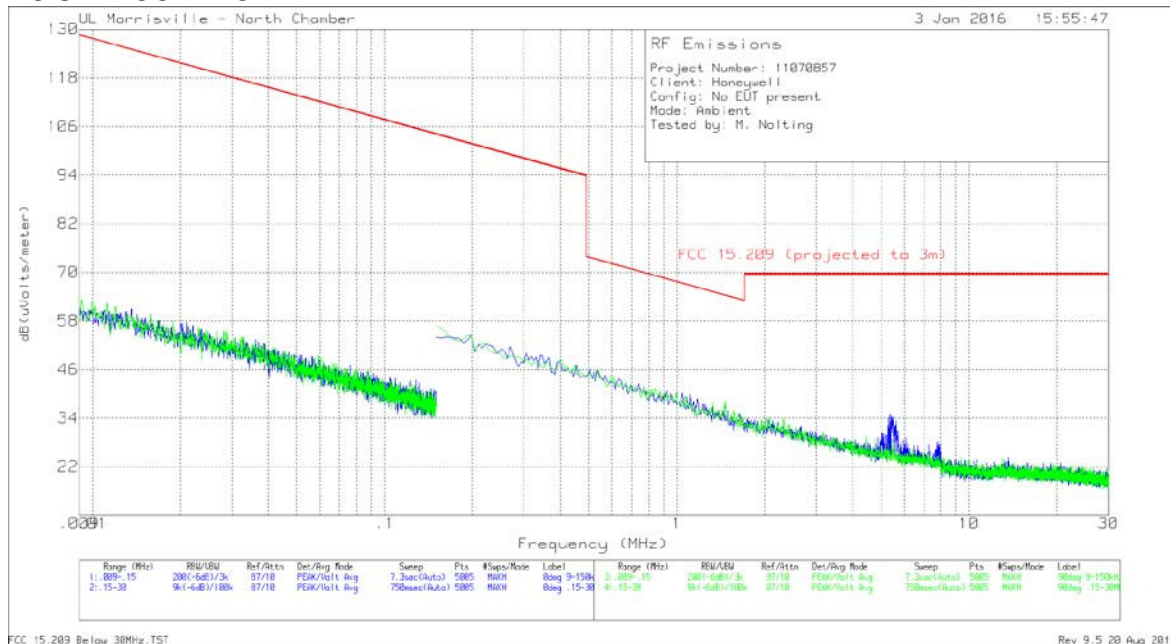
SPURIOUS EMISSIONS 0.009-30MHz

Note: All measurements were made at a test distance of 3 m. The limits in the plots and tabular data are the FCC/IC limits extrapolated from the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz – 30 MHz) to the measurement distance to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were $40 \cdot \log(\text{specification distance} / \text{test distance})$ per FCC 15.31 (f) (2).

EUT PLOT (Antenna-2 results presented here. The results are similar for antenna 1 alone and antennas 1&2 together.)

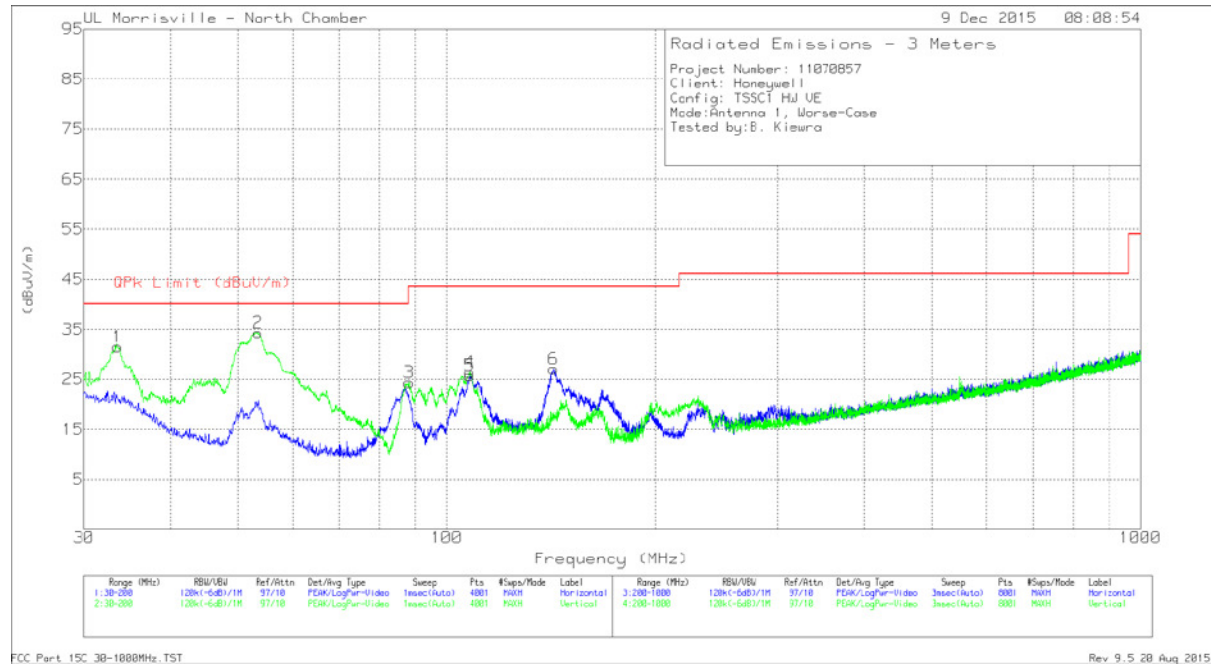


NOISE-FLOOR PLOT



The above plots demonstrate there were no EUT-related emissions of interest relative to the FCC 15.209 limit below 30MHz.

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, ANT 1)

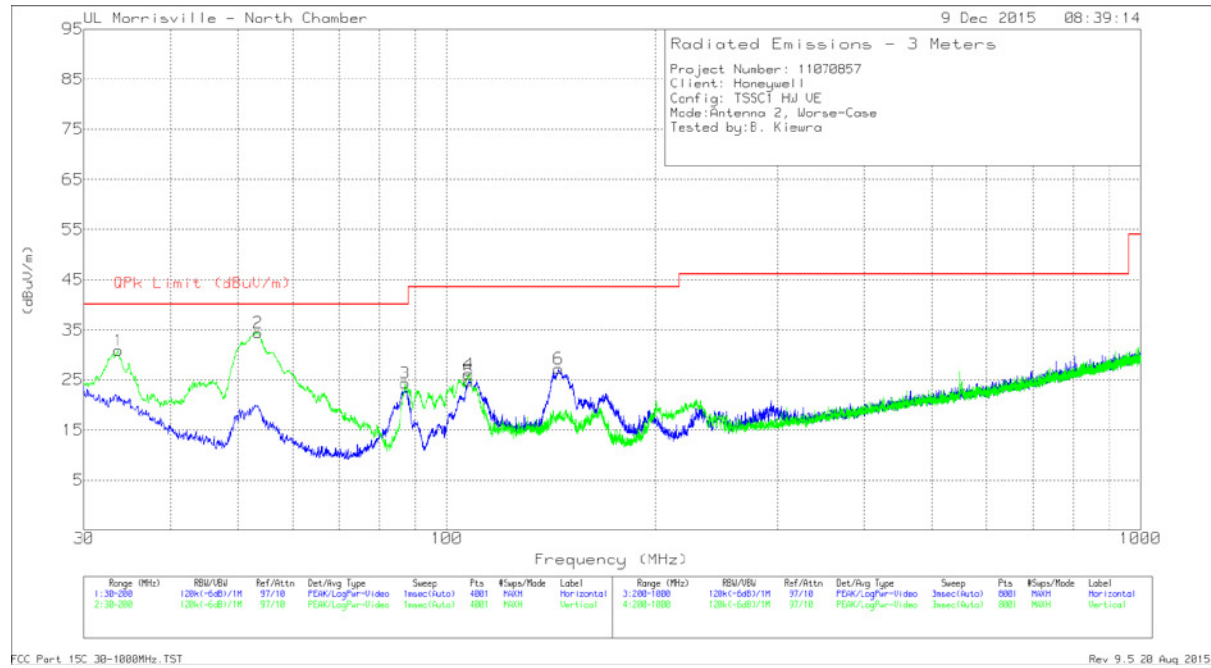


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0073 AF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	33.528	39.68	Pk	23.4	-31.6	31.48	40	-8.52	0-360	102	V
2	53.276	51.06	Qp	12	-31.5	31.56	40	-8.44	301	111	V
3	88.310	43.88	Pk	11.5	-31	24.38	43.52	-19.14	0-360	102	V
4	107.903	40.71	Pk	16.5	-30.8	26.41	43.52	-17.11	0-360	102	V
5	107.903	40.06	Pk	16.5	-30.8	25.76	43.52	-17.76	0-360	299	H
6	142.710	40.25	Pk	17.3	-30.5	27.05	43.52	-16.47	0-360	199	H

Pk - Peak detector

Qp - Quasi-Peak detector

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, ANT 2)

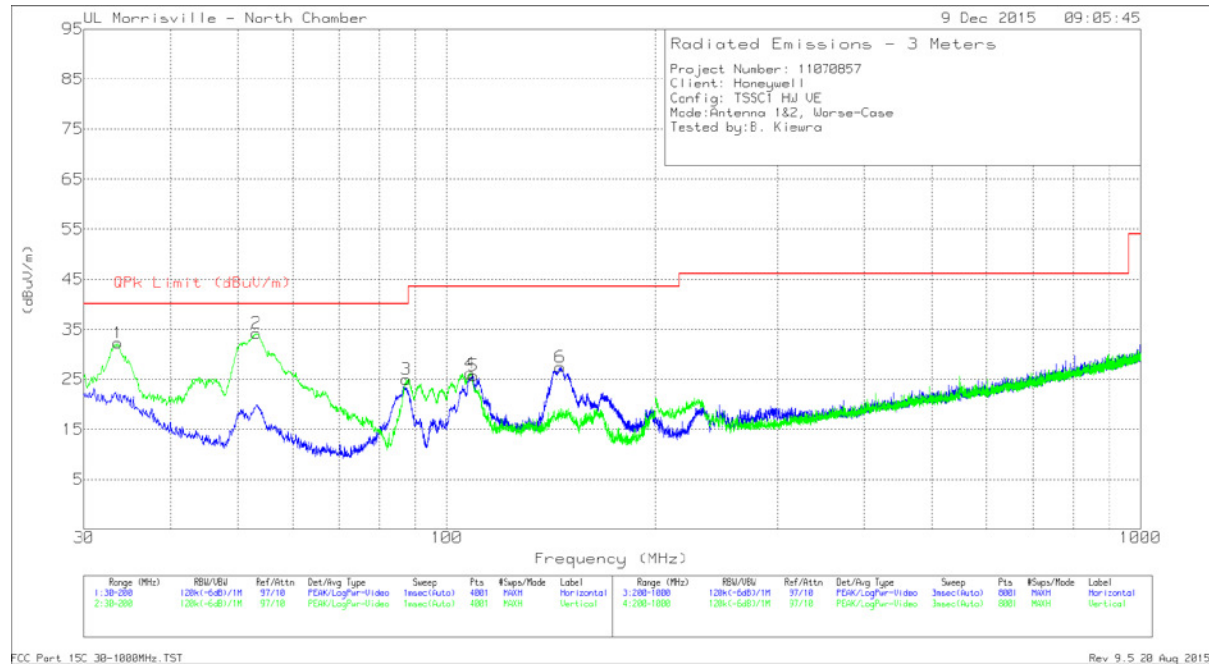


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0073 AF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	33.613	39.22	Pk	23.3	-31.7	30.82	40	-9.18	0-360	102	V
2	53.050	51.45	Qp	12	-31.6	31.85	40	-8.15	296	102	V
3	87.205	43.92	Pk	11.5	-31.1	24.32	40	-15.68	0-360	102	V
4	107.478	40.48	Pk	16.4	-30.8	26.08	43.52	-17.44	0-360	102	V
5	107.648	39.25	Pk	16.4	-30.8	24.85	43.52	-18.67	0-360	299	H
6	145.048	40.51	Pk	17.1	-30.4	27.21	43.52	-16.31	0-360	200	H

Pk - Peak detector

Qp - Quasi-Peak detector

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, ANT 1/2)



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0073 AF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	33.549	40.41	Pk	23.4	-31.6	32.21	40	-7.79	0-360	102	V
2	53.191	50.83	Qp	12	-31.5	31.33	40	-8.67	301	106	V
3	87.545	44.61	Pk	11.5	-31.1	25.01	40	-14.99	0-360	102	V
4	* 108.115	40.46	Pk	16.5	-30.8	26.16	43.52	-17.36	0-360	102	V
5	* 109.263	39.75	Pk	16.8	-30.8	25.75	43.52	-17.77	0-360	299	H
6	145.770	40.99	Pk	17	-30.5	27.49	43.52	-16.03	0-360	199	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

Qp - Quasi-Peak detector

END OF REPORT