

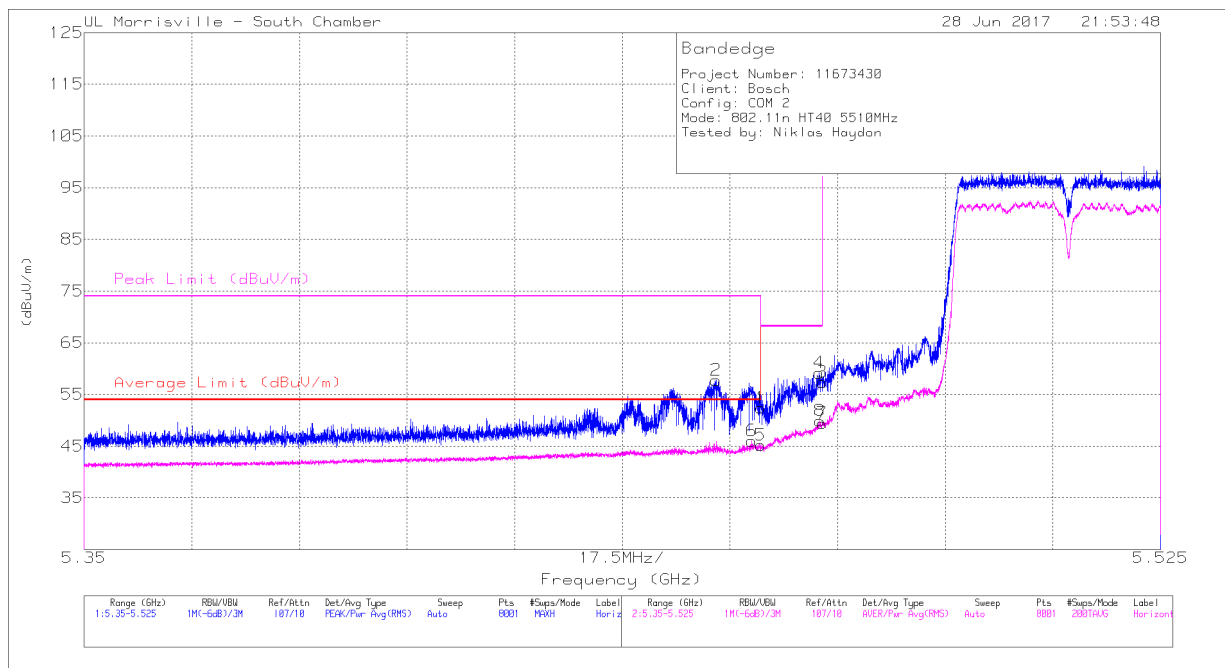
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.336	42.67	PK-U	28.7	-34.8	0	36.57	-	-	74	-37.43	-	-	221	324	H
	* 1.334	30.26	ADR	28.7	-34.8	4.09	28.25	54	-25.75	-	-	-	-	221	324	H
2	* 3.993	39.97	PK-U	33.3	-32.2	0	41.07	-	-	74	-32.93	-	-	249	256	H
	* 3.991	28.24	ADR	33.3	-32.2	4.09	33.43	54	-20.57	-	-	-	-	249	256	H
4	* 1.438	41.9	PK-U	28.7	-35	0	35.6	-	-	74	-38.4	-	-	263	258	V
	* 1.439	30.29	ADR	28.7	-35	4.09	28.08	54	-25.92	-	-	-	-	263	258	V
5	* 4.295	40.53	PK-U	33.4	-32.4	0	41.53	-	-	74	-32.47	-	-	32	313	V
	* 4.297	28.61	ADR	33.4	-32.4	4.09	33.7	54	-20.3	-	-	-	-	32	313	V
3	* 12.271	35.22	PK-U	38.9	-25.2	0	48.92	-	-	74	-25.08	-	-	192	150	H
	* 12.274	22.79	ADR	38.9	-25.2	4.09	40.58	54	-13.42	-	-	-	-	192	150	H
6	* 11.571	34.23	PK-U	38.3	-25.1	0	47.43	-	-	74	-26.57	-	-	193	132	V
	* 11.569	22.6	ADR	38.3	-25.1	4.09	39.89	54	-14.11	-	-	-	-	193	132	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

# **RESTRICTED BANDEDGE (LOW CHANNEL INTERNAL CHAIN 1)**

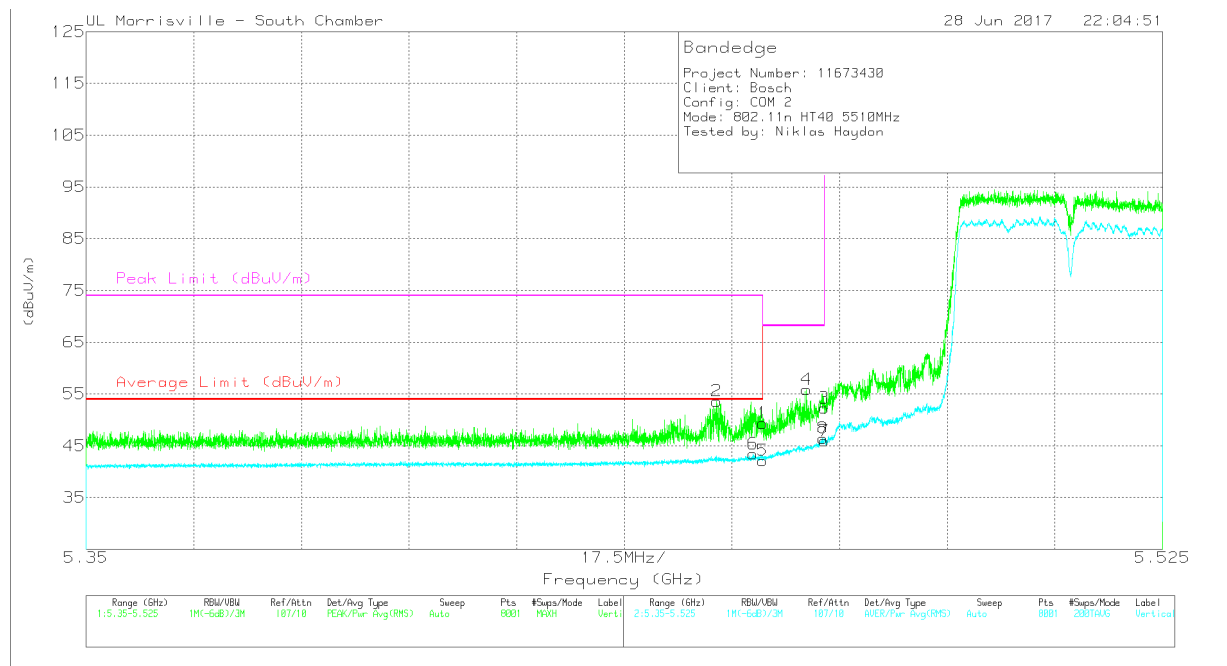


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	41.47	Pk	34.5	-23.6	0	52.37	-	-	74	-21.63	330	100	H
2	* 5.453	46.82	Pk	34.5	-23.6	0	57.72	-	-	74	-16.28	330	100	H
5	* 5.46	30.2	RMS	34.5	-23.6	4.09	45.19	54	-8.81	-	-	330	100	H
6	* 5.459	31.01	RMS	34.5	-23.6	4.09	46	54	-8	-	-	330	100	H
4	5.469	48.25	Pk	34.5	-23.6	0	59.15	-	-	68.2	-9.05	330	100	H
3	5.47	46.48	Pk	34.5	-23.6	0	57.38	-	-	68.2	-10.82	330	100	H
7	5.47	34.4	RMS	34.5	-23.6	4.09	49.39	-	-	-	-	330	100	H
8	5.47	34.92	RMS	34.5	-23.6	4.09	49.91	-	-	-	-	330	100	H

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

Pk - Peak detector

RMS - RMS detection

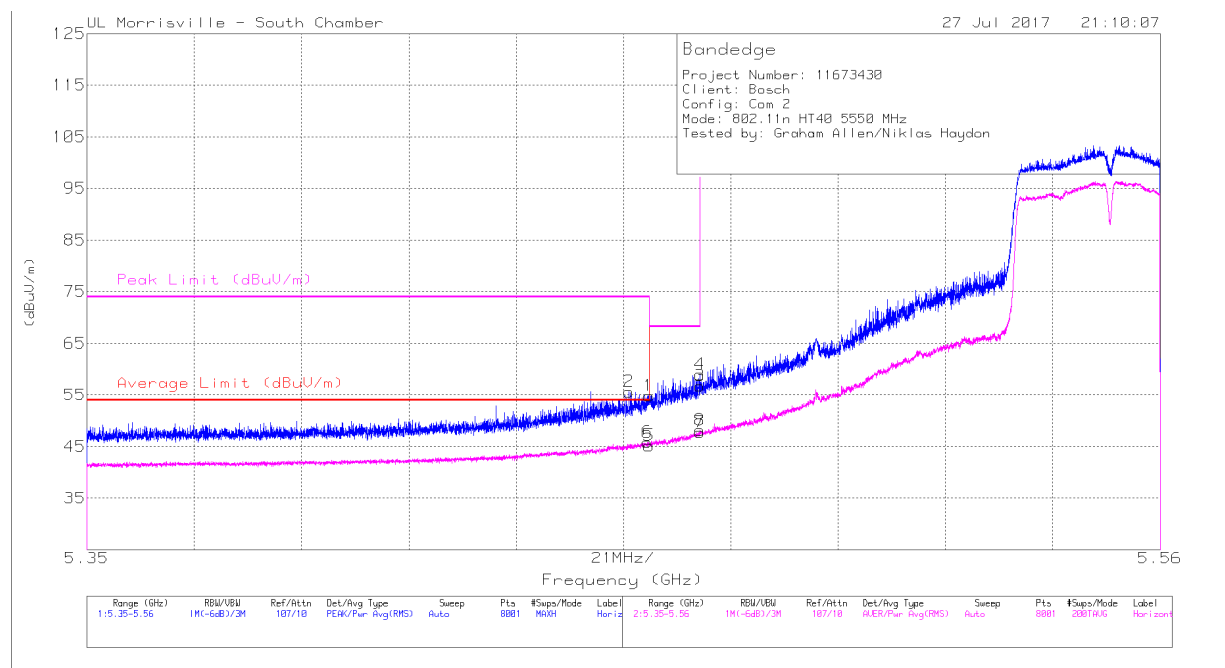


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.45	Pk	34.5	-23.6	0	49.35	-	-	74	-24.65	293	375	V
2	* 5.453	42.72	Pk	34.5	-23.6	0	53.62	-	-	74	-20.38	293	375	V
5	* 5.46	27.15	RMS	34.5	-23.6	4.09	42.14	54	-11.86	-	-	293	375	V
6	* 5.458	28.45	RMS	34.5	-23.6	4.09	43.44	54	-10.56	-	-	293	375	V
4	5.467	44.98	Pk	34.5	-23.6	0	55.88	-	-	68.2	-12.32	293	375	V
3	5.47	41.37	Pk	34.5	-23.6	0	52.27	-	-	68.2	-15.93	293	375	V
7	5.47	30.93	RMS	34.5	-23.6	4.09	45.92	-	-	-	-	293	375	V
8	5.47	31.45	RMS	34.5	-23.6	4.09	46.44	-	-	-	-	293	375	V

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

Pk - Peak detector

RMS - RMS detection

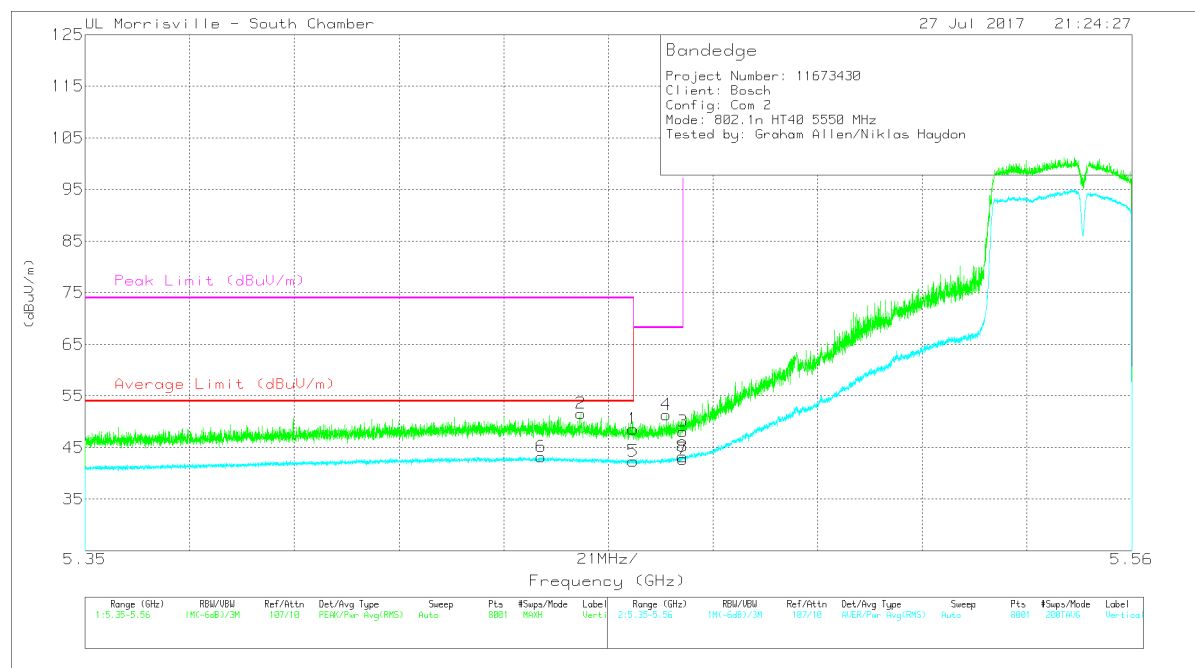


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.456	44.72	Pk	34.5	-23.6	0	55.62	-	-	74	-18.38	102	129	H
1	* 5.46	43.94	Pk	34.5	-23.6	0	54.84	-	-	74	-19.16	102	129	H
5	* 5.46	30.2	RMS	34.5	-23.6	4.09	45.19	54	-8.81	-	-	102	129	H
6	* 5.46	30.85	RMS	34.5	-23.6	4.09	45.84	54	-8.16	-	-	102	129	H
3	5.47	45.86	Pk	34.5	-23.6	0	56.76	-	-	68.2	-11.44	102	129	H
4	5.47	48.04	Pk	34.5	-23.6	0	58.94	-	-	68.2	-9.26	102	129	H
7	5.47	32.78	RMS	34.5	-23.6	4.09	47.77	-	-	-	-	102	129	H
8	5.47	33.18	RMS	34.5	-23.6	4.09	48.17	-	-	-	-	102	129	H

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

Pk - Peak detector

RMS - RMS detection



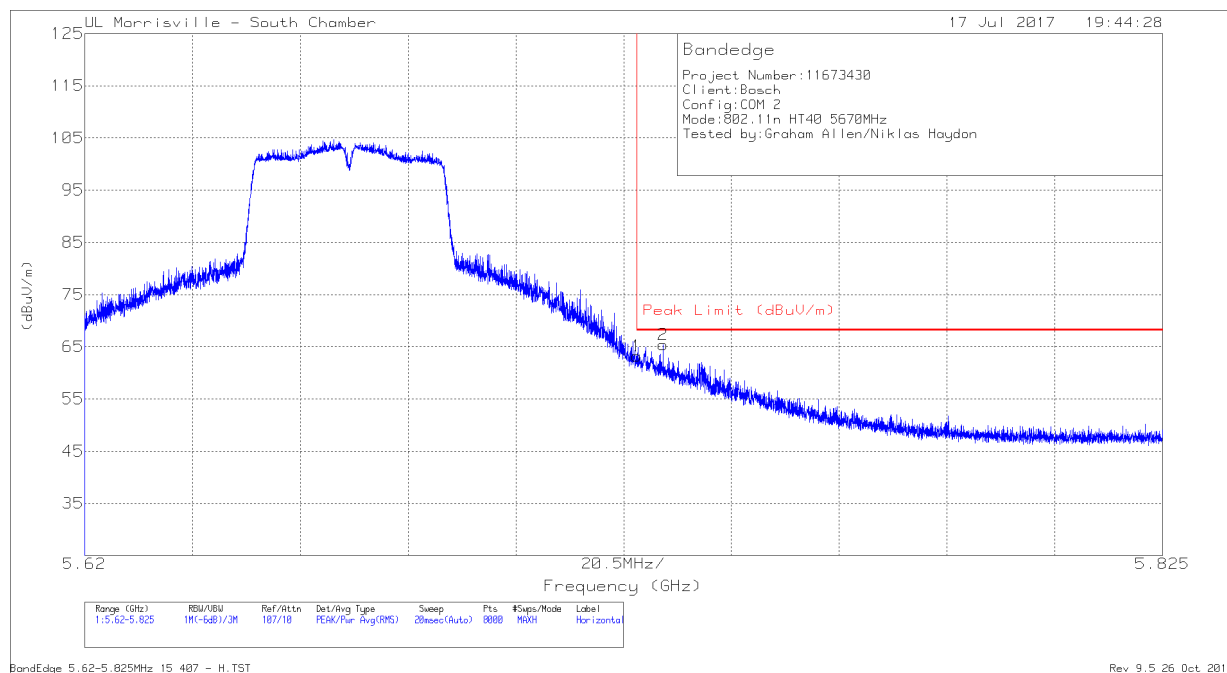
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 5.441	28.35	RMS	34.4	-23.6	4.09	43.24	54	-10.76	-	-	29	393	V
2	* 5.45	40.71	Pk	34.5	-23.6	0	51.61	-	-	74	-22.39	29	393	V
1	* 5.46	37.72	Pk	34.5	-23.6	0	48.62	-	-	74	-25.38	29	393	V
5	* 5.46	27.35	RMS	34.5	-23.6	4.09	42.34	54	-11.66	-	-	29	393	V
4	5.467	40.44	Pk	34.5	-23.6	0	51.34	-	-	68.2	-16.86	29	393	V
3	5.47	37.23	Pk	34.5	-23.6	0	48.13	-	-	68.2	-20.07	29	393	V
7	5.47	27.81	RMS	34.5	-23.6	4.09	42.8	-	-	-	-	29	393	V
8	5.47	28.27	RMS	34.5	-23.6	4.09	43.26	-	-	-	-	29	393	V

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

Pk - Peak detector

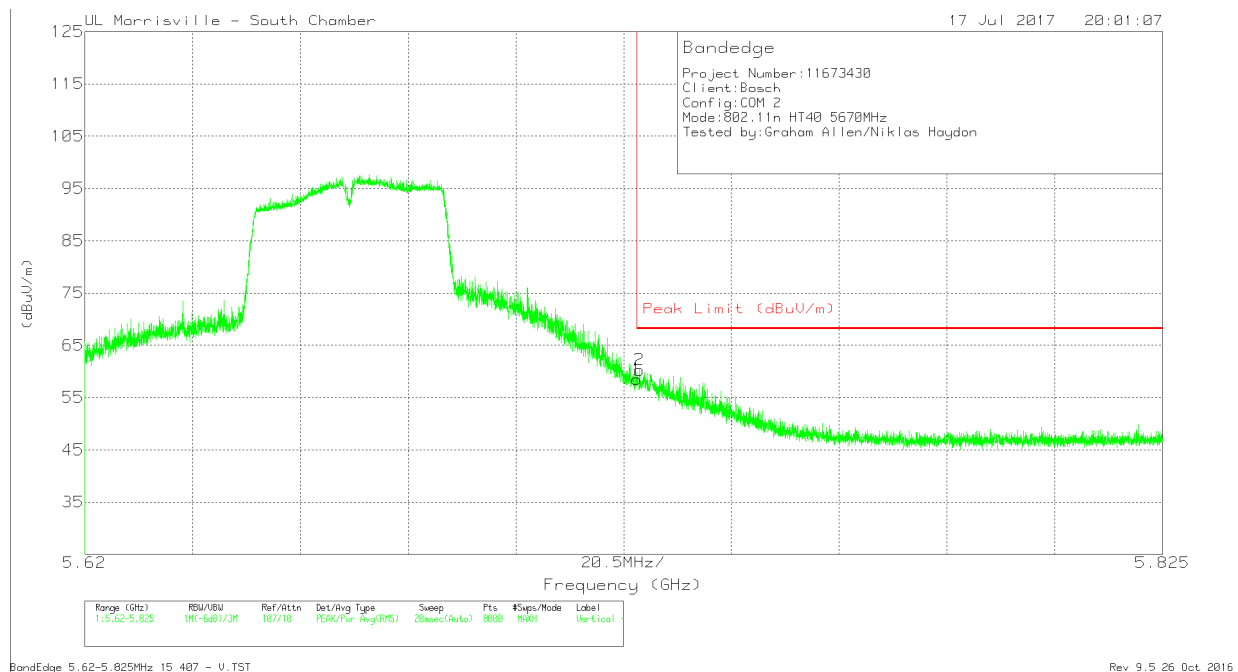
RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL INTERNAL CHAIN 1)**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	52.11	Pk	34.6	-23.5	0	63.21	68.2	-4.99	322	104	H
2	5.73	54.27	Pk	34.6	-23.5	0	65.37	68.2	-2.83	322	104	H

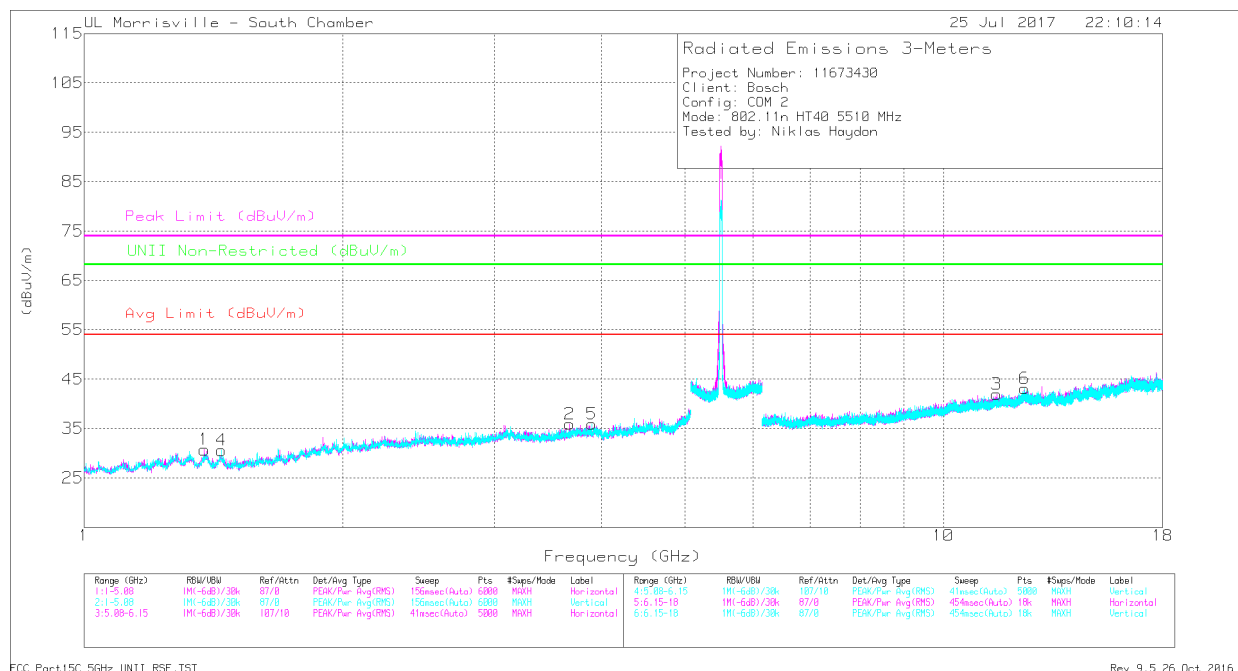
Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	47.38	Pk	34.6	-23.5	0	58.48	68.2	-9.72	289	378	V
2	5.725	49.17	Pk	34.6	-23.5	0	60.27	68.2	-7.93	289	378	V

Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS – INTERNAL CHAIN 1



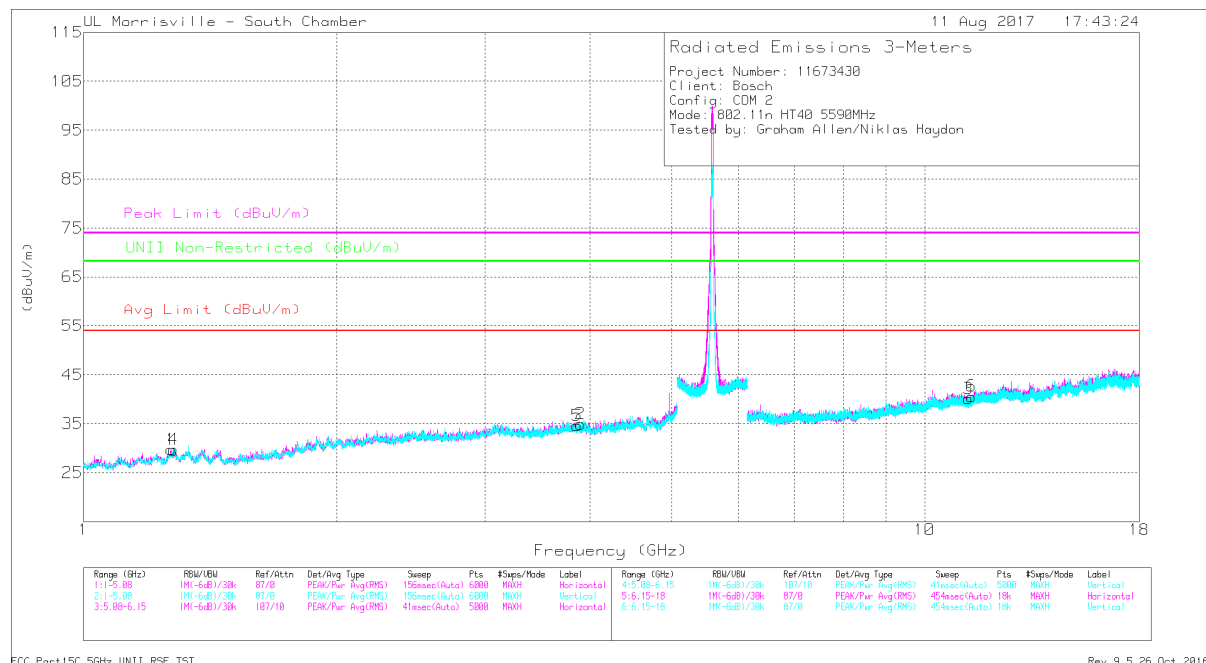
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.38	42.41	PK-U	28.9	-34.8	0	36.51	-	-	74	-37.49	-	-	332	303	H
	* 1.382	30.29	ADR	28.9	-34.8	4.09	28.48	54	-25.52	-	-	-	-	332	303	H
2	* 3.673	40.82	PK-U	33.1	-32.5	0	41.42	-	-	74	-32.58	-	-	200	110	H
	* 3.674	30.59	ADR	33.1	-32.5	4.09	35.28	54	-18.72	-	-	-	-	200	110	H
4	* 1.445	42.14	PK-U	28.7	-35	0	35.84	-	-	74	-38.16	-	-	109	319	V
	* 1.443	30.44	ADR	28.7	-35	4.09	28.23	54	-25.77	-	-	-	-	109	319	V
5	* 3.897	40.43	PK-U	33.3	-32.6	0	41.13	-	-	74	-32.87	-	-	115	312	V
	* 3.897	28.52	ADR	33.3	-32.6	4.09	33.31	54	-20.69	-	-	-	-	115	312	V
3	* 11.536	34.34	PK-U	38.3	-24.9	0	47.74	-	-	74	-26.26	-	-	31	150	H
	* 11.535	22.57	ADR	38.3	-24.9	4.09	40.06	54	-13.94	-	-	-	-	31	150	H
6	* 12.438	34	PK-U	38.9	-24.3	0	48.6	-	-	74	-25.4	-	-	131	103	V
	* 12.439	22.43	ADR	38.9	-24.3	4.09	41.12	54	-12.88	-	-	-	-	131	103	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



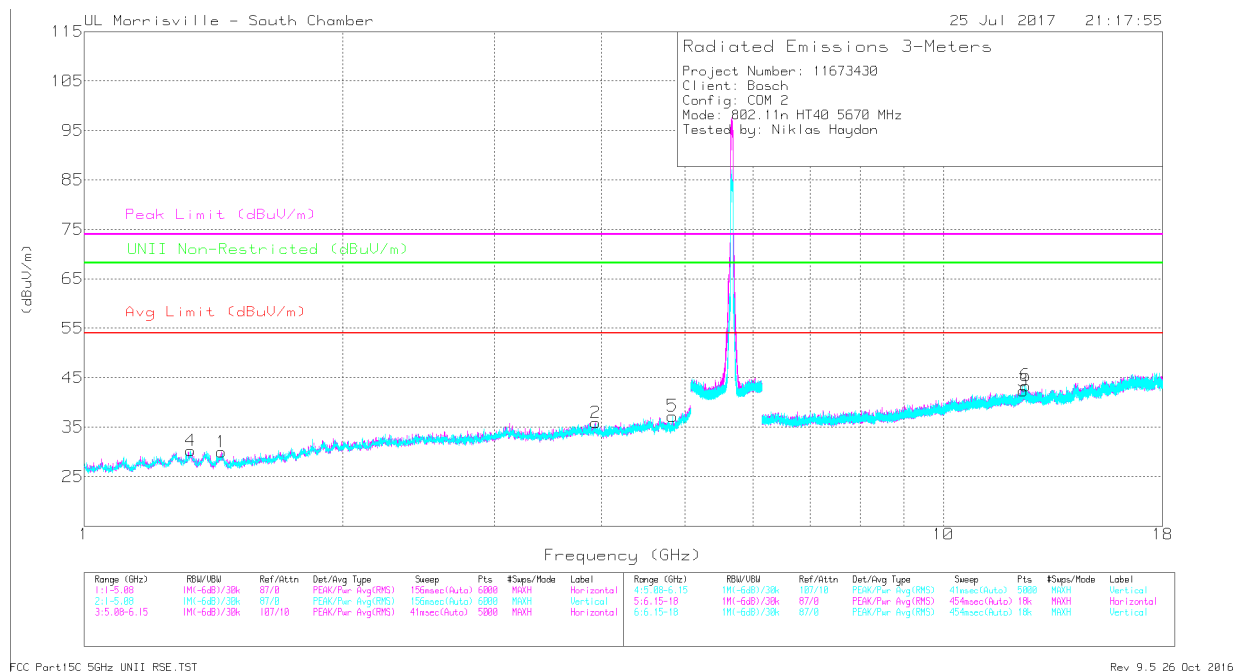


Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.272	42.25	PK-U	29	-35.1	0	36.15	-	-	74	-37.85	-	-	215	371	H
	* 1.272	30.34	ADR	29	-35.1	4.09	28.33	54	-25.67	-	-	-	-	215	371	H
2	* 3.894	40.81	PK-U	33.3	-32.6	0	41.51	-	-	74	-32.49	-	-	220	160	H
	* 3.895	28.52	ADR	33.3	-32.6	4.09	33.31	54	-20.69	-	-	-	-	220	160	H
3	* 11.267	34.4	PK-U	38	-24.9	0	47.5	-	-	74	-26.5	-	-	21	147	H
	* 11.268	21.94	ADR	38	-24.9	4.09	39.13	54	-14.87	-	-	-	-	21	147	H
4	* 1.276	42.73	PK-U	29	-35.1	0	36.63	-	-	74	-37.37	-	-	321	292	V
	* 1.277	30.37	ADR	29	-35.1	4.09	28.36	54	-25.64	-	-	-	-	321	292	V
5	* 3.862	41.08	PK-U	33.3	-32.8	0	41.58	-	-	74	-32.42	-	-	27	253	V
	* 3.861	28.82	ADR	33.3	-32.8	4.09	33.41	54	-20.59	-	-	-	-	27	253	V
6	* 11.367	34.11	PK-U	38.1	-24.9	0	47.31	-	-	74	-26.69	-	-	64	369	V
	* 11.367	21.97	ADR	38.1	-24.9	4.09	39.26	54	-14.74	-	-	-	-	64	369	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



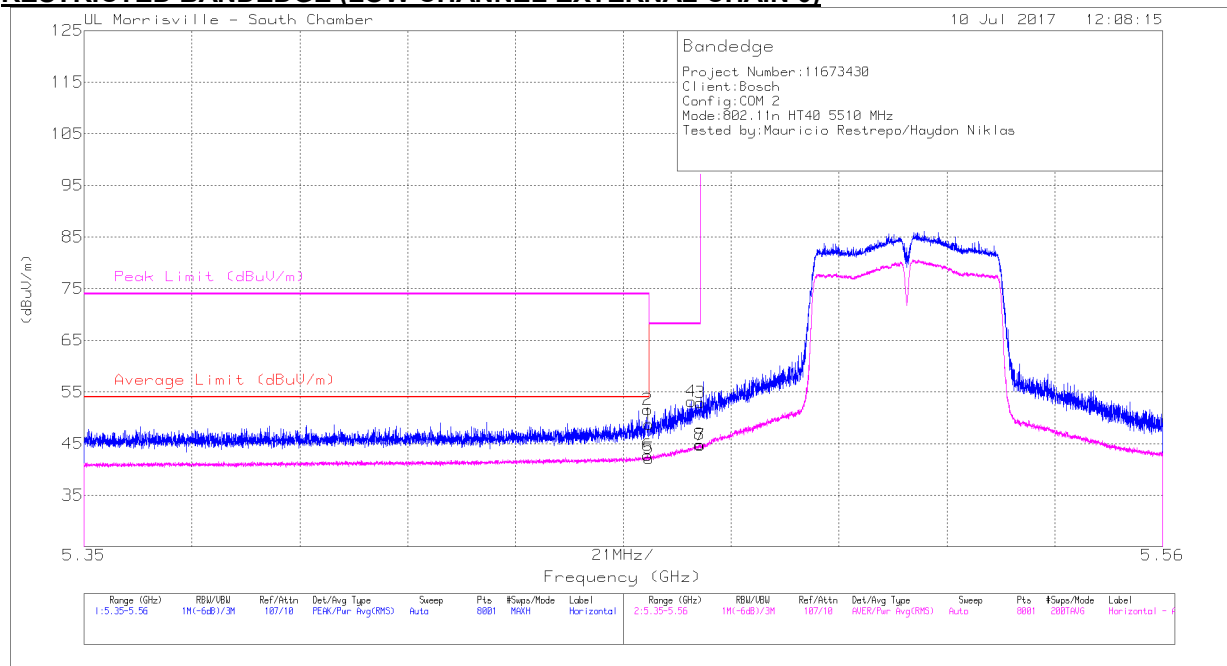
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.445	42.18	PK-U	28.7	-35	0	35.88	-	-	74	-38.12	-	-	2	377	H
	* 1.444	30.4	ADR	28.7	-35	4.09	28.19	54	-25.81	-	-	-	-	2	377	H
2	* 3.935	40.19	PK-U	33.3	-32.3	0	41.19	-	-	74	-32.81	-	-	45	331	H
	* 3.935	28.41	ADR	33.3	-32.3	4.09	33.5	54	-20.5	-	-	-	-	45	331	H
4	* 1.33	42.34	PK-U	28.8	-34.8	0	36.34	-	-	74	-37.66	-	-	134	162	V
	* 1.331	30.48	ADR	28.7	-34.8	4.09	28.47	54	-25.53	-	-	-	-	134	162	V
5	* 4.837	38.85	PK-U	34	-31	0	41.85	-	-	74	-32.15	-	-	122	154	V
	* 4.837	27.08	ADR	34	-31	4.09	34.17	54	-19.83	-	-	-	-	122	154	V
3	* 12.392	34.04	PK-U	38.9	-24.4	0	48.54	-	-	74	-25.46	-	-	228	142	H
	* 12.394	22.56	ADR	38.9	-24.4	4.09	41.15	54	-12.85	-	-	-	-	228	142	H
6	* 12.474	33.31	PK-U	38.9	-24.4	0	47.81	-	-	74	-26.19	-	-	103	160	V
	* 12.475	22.03	ADR	38.9	-24.4	4.09	40.62	54	-13.38	-	-	-	-	103	160	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

# **RESTRICTED BANDEDGE (LOW CHANNEL EXTERNAL CHAIN 0)**

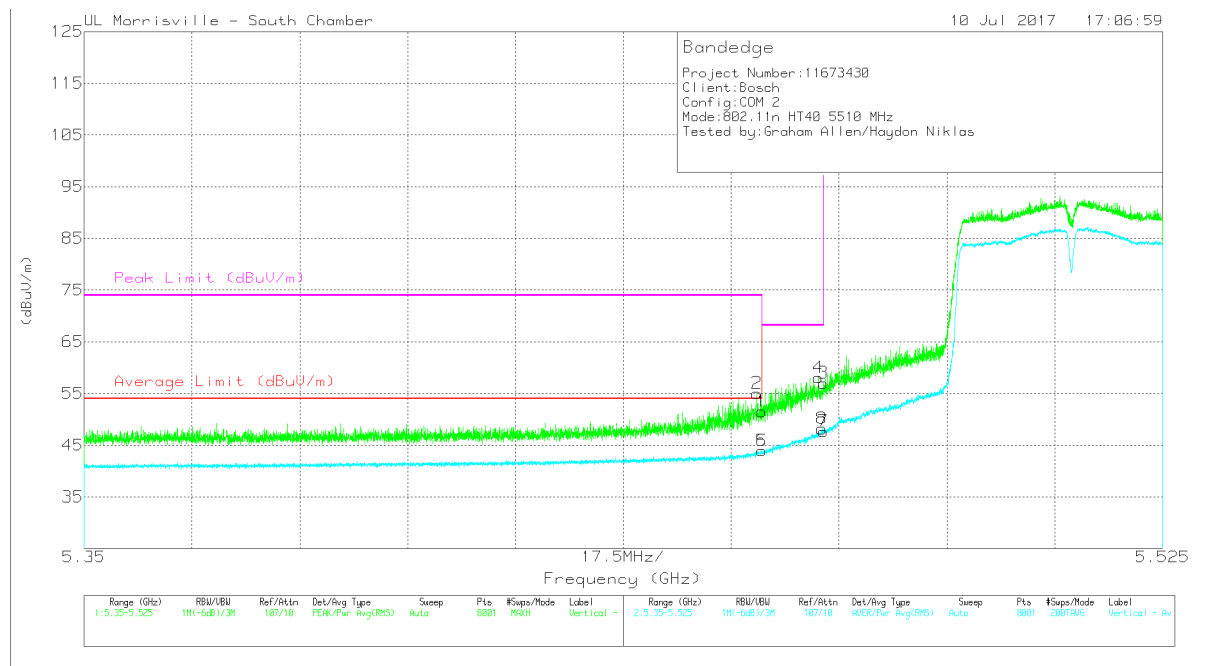


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	37.81	Pk	34.5	-23.6	0	48.71	-	-	74	-25.29	76	103	H
2	* 5.46	40.66	Pk	34.5	-23.6	0	51.56	-	-	74	-22.44	76	103	H
5	* 5.46	27.09	RMS	34.5	-23.6	4.09	42.08	54	-11.92	-	-	76	103	H
6	* 5.46	27.72	RMS	34.5	-23.6	4.09	42.71	54	-11.29	-	-	76	103	H
4	5.468	42.26	Pk	34.5	-23.6	0	53.16	-	-	68.2	-15.04	76	103	H
3	5.47	42.05	Pk	34.5	-23.6	0	52.95	-	-	68.2	-15.25	76	103	H
7	5.47	29.7	RMS	34.5	-23.6	4.09	44.69	-	-	-	-	76	103	H
8	5.47	29.81	RMS	34.5	-23.6	4.09	44.8	-	-	-	-	76	103	H

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

Pk - Peak detector

RMS - RMS detection

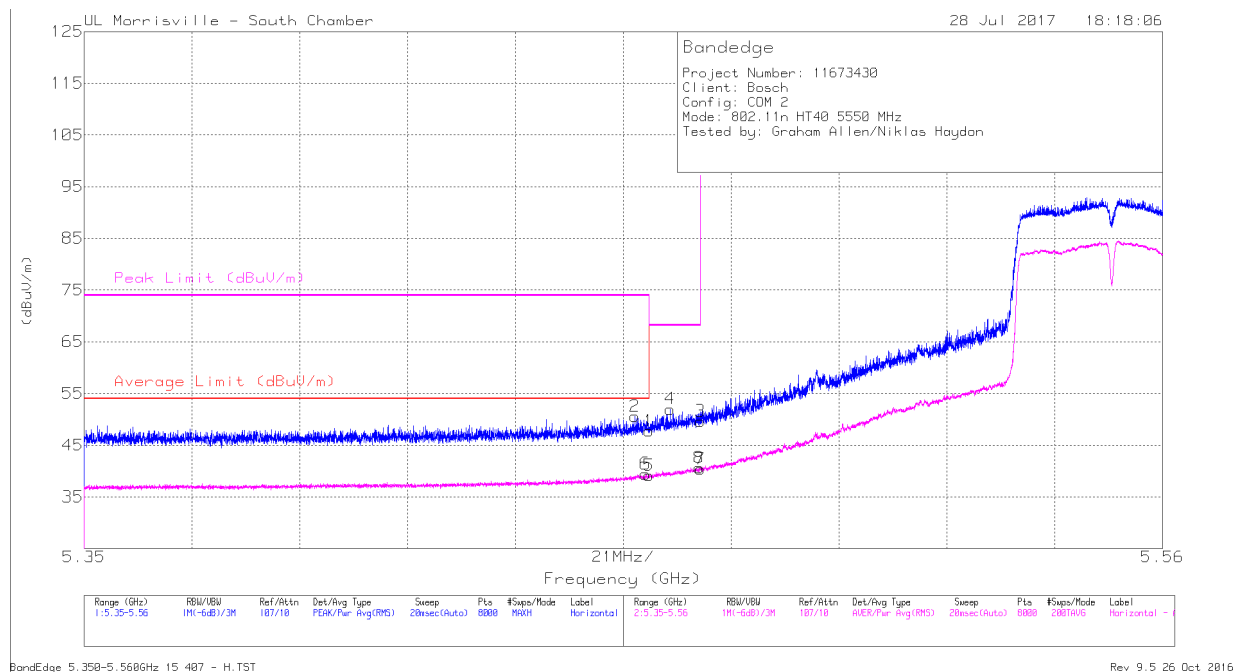


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	40.62	Pk	34.5	-23.6	0	51.52	-	-	74	-22.48	197	114	V
2	* 5.459	44.15	Pk	34.5	-23.6	0	55.05	-	-	74	-18.95	197	114	V
5	* 5.46	28.95	RMS	34.5	-23.6	4.09	43.94	54	-10.06	-	-	197	114	V
6	* 5.46	28.97	RMS	34.5	-23.6	4.09	43.96	54	-10.04	-	-	197	114	V
4	5.469	47.2	Pk	34.5	-23.6	0	58.1	-	-	68.2	-10.1	197	114	V
3	5.47	46.13	Pk	34.5	-23.6	0	57.03	-	-	68.2	-11.17	197	114	V
7	5.47	32.71	RMS	34.5	-23.6	4.09	47.7	-	-	-	-	197	114	V
8	5.47	33.21	RMS	34.5	-23.6	4.09	48.2	-	-	-	-	197	114	V

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

Pk - Peak detector

RMS - RMS detection

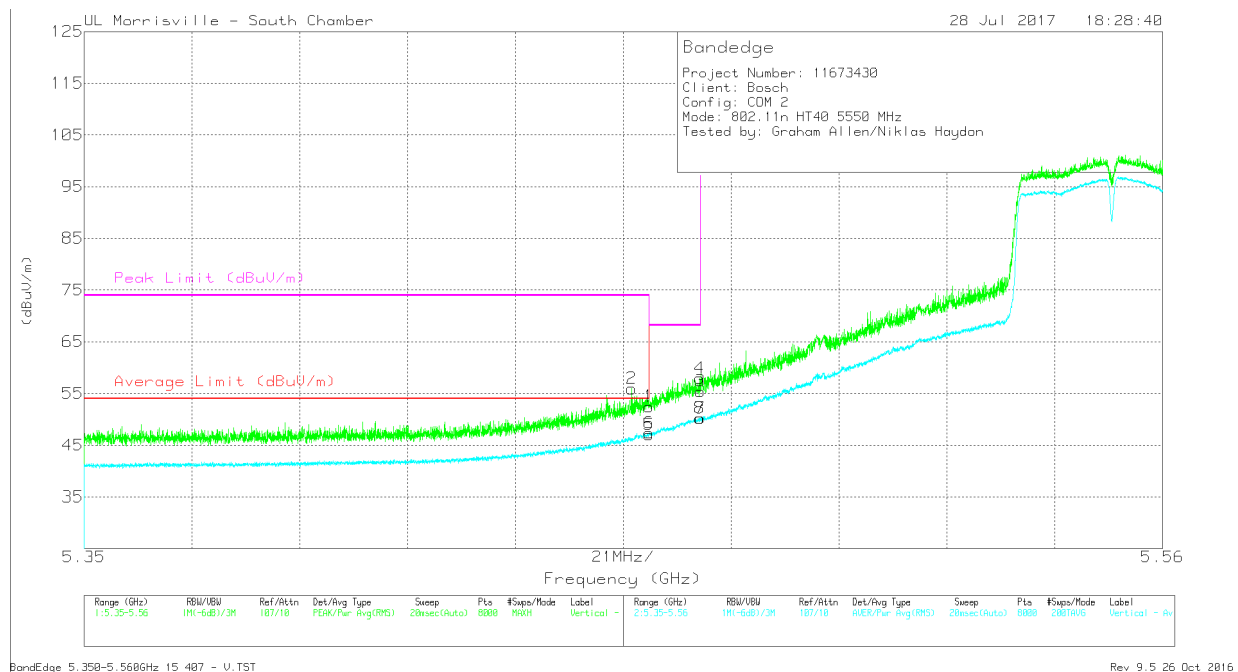


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	36.85	Pk	34.5	-23.6	0	47.75	-	-	74	-26.25	72	110	H
2	* 5.457	39.65	Pk	34.5	-23.6	0	50.55	-	-	74	-23.45	72	110	H
5	* 5.46	28.22	RMS	34.5	-23.6	4.09	43.21	54	-10.79	-	-	72	110	H
6	* 5.459	28.55	RMS	34.5	-23.6	4.09	43.54	54	-10.46	-	-	72	110	H
4	5.464	41.1	Pk	34.5	-23.6	0	52	-	-	68.2	-16.2	72	110	H
3	5.47	38.74	Pk	34.5	-23.6	0	49.64	-	-	68.2	-18.56	72	110	H
7	5.47	29.5	RMS	34.5	-23.6	4.09	44.49	-	-	-	-	72	110	H
8	5.47	29.73	RMS	34.5	-23.6	4.09	44.72	-	-	-	-	72	110	H

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

Pk - Peak detector

RMS - RMS detection



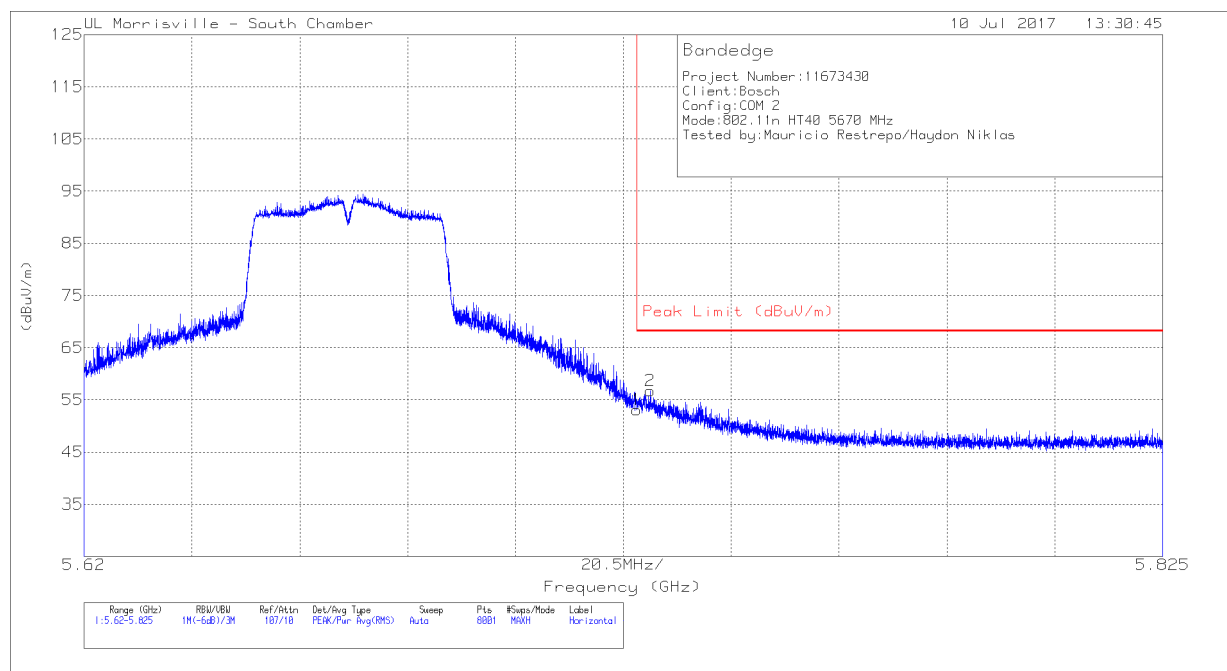
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	41.57	Pk	34.5	-23.6	0	52.47	-	-	74	-21.53	200	117	V
2	* 5.457	45.05	Pk	34.5	-23.6	0	55.95	-	-	74	-18.05	200	117	V
5	* 5.46	32.05	RMS	34.5	-23.6	4.09	47.04	54	-6.96	-	-	200	117	V
6	* 5.46	32.41	RMS	34.5	-23.6	4.09	47.4	54	-6.6	-	-	200	117	V
3	5.47	44.54	Pk	34.5	-23.6	0	55.44	-	-	68.2	-12.76	200	117	V
4	5.47	47.06	Pk	34.5	-23.6	0	57.96	-	-	68.2	-10.24	200	117	V
7	5.47	35.23	RMS	34.5	-23.6	4.09	50.22	-	-	-	-	200	117	V
8	5.47	35.21	RMS	34.5	-23.6	4.09	50.2	-	-	-	-	200	117	V

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

Pk - Peak detector

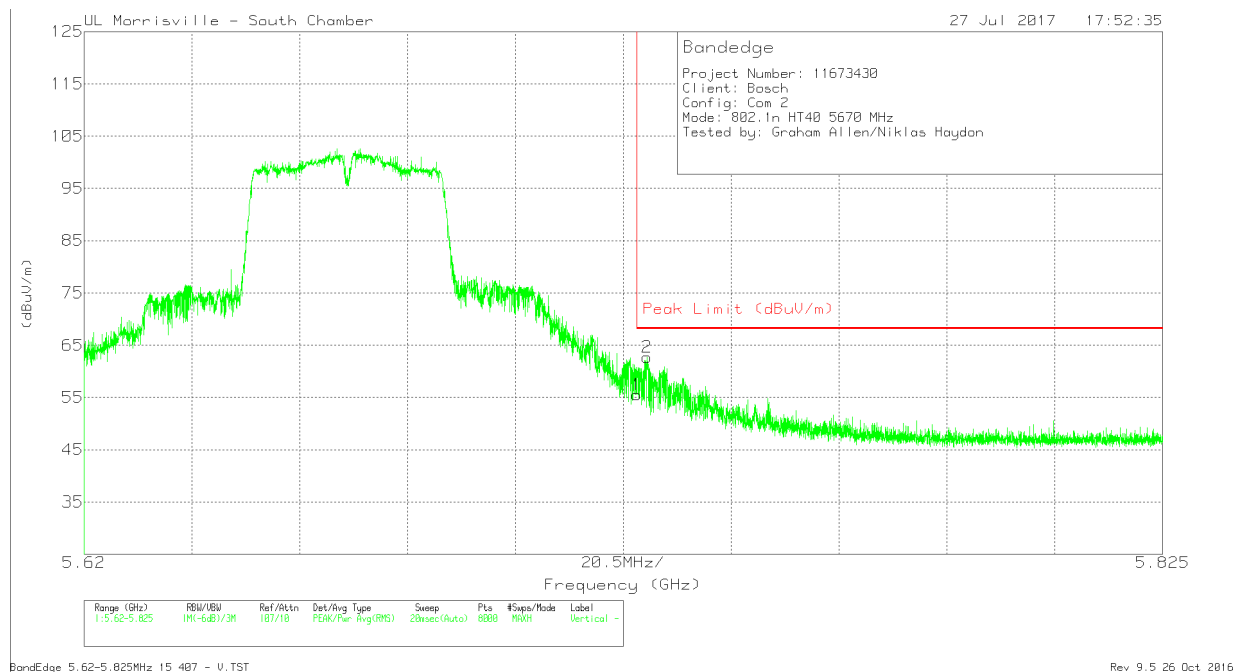
RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL EXTERNAL CHAIN 0)**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.97	Pk	34.6	-23.5	0	53.07	68.2	-15.13	69	103	H
2	5.728	45.65	Pk	34.6	-23.5	0	56.75	68.2	-11.45	69	103	H

Pk - Peak detector

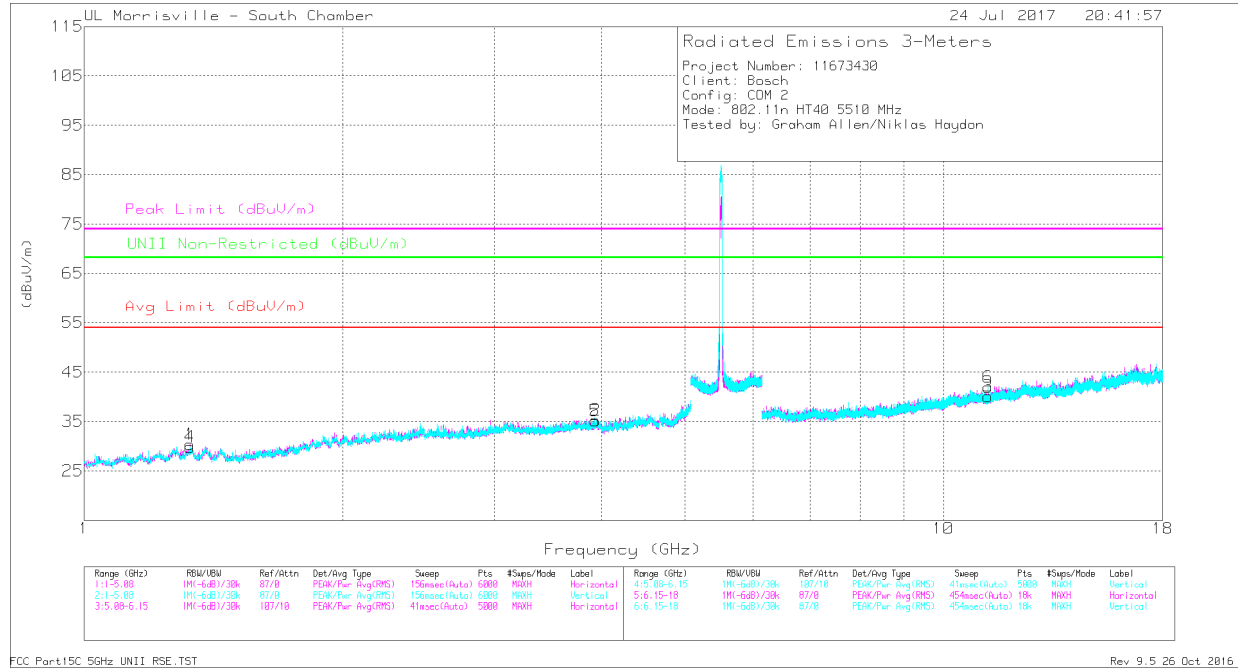


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.42	Pk	34.6	-23.5	0	55.52	68.2	-12.68	298	110	V
2	5.727	51.58	Pk	34.6	-23.5	0	62.68	68.2	-5.52	298	110	V

Pk - Peak detector



# HARMONICS AND SPURIOUS EMISSIONS – EXTERNAL CHAIN 0

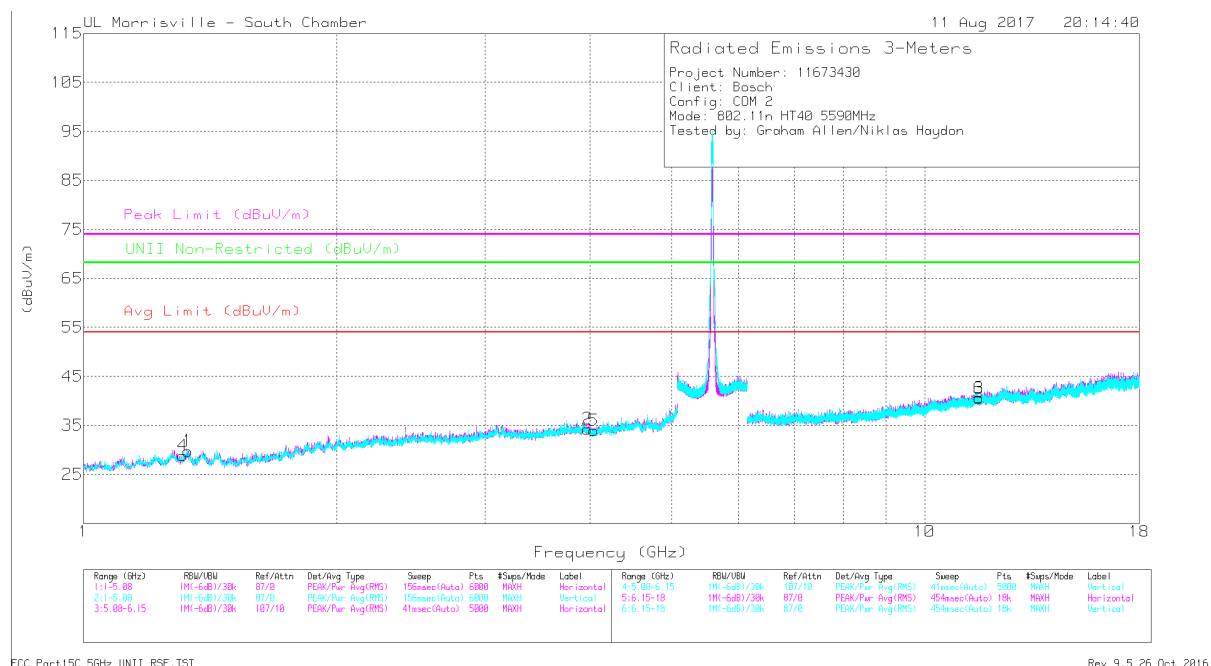


Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.328	42.07	PK-U	28.8	-34.9	0	35.97	-	-	74	-38.03	-	-	73	273	H
	* 1.327	30.37	ADR	28.8	-34.9	4.09	28.36	54	-25.64	-	-	-	-	73	273	H
2	* 3.937	40.8	PK-U	33.3	-32.2	0	41.9	-	-	74	-32.1	-	-	102	196	H
	* 3.936	28.46	ADR	33.3	-32.2	4.09	33.65	54	-20.35	-	-	-	-	102	196	H
3	* 11.272	33.85	PK-U	38	-24.8	0	47.05	-	-	74	-26.95	-	-	89	344	H
	* 11.272	21.95	ADR	38	-24.8	4.09	39.24	54	-14.76	-	-	-	-	89	344	H
4	* 1.329	42.66	PK-U	28.8	-34.9	0	36.56	-	-	74	-37.44	-	-	75	359	V
	* 1.329	30.37	ADR	28.8	-34.9	4.09	28.36	54	-25.64	-	-	-	-	75	359	V
5	* 3.931	40.39	PK-U	33.3	-32.3	0	41.39	-	-	74	-32.61	-	-	58	302	V
	* 3.931	28.41	ADR	33.3	-32.3	4.09	33.5	54	-20.5	-	-	-	-	58	302	V
6	* 11.273	34.14	PK-U	38	-24.8	0	47.34	-	-	74	-26.66	-	-	245	219	V
	* 11.272	21.6	ADR	38	-24.8	4.09	38.89	54	-15.11	-	-	-	-	245	219	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

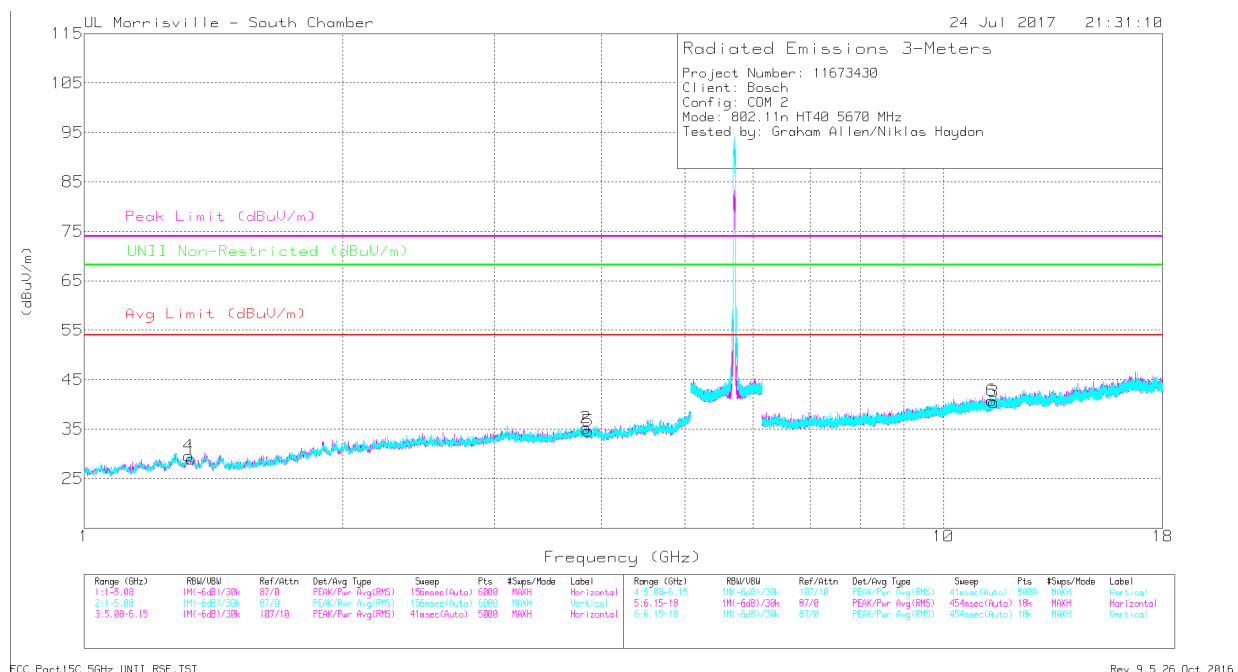


Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.328	42.15	PK-U	28.8	-34.9	0	36.05	-	-	74	-37.95	-	-	148	173	H
	* 1.329	30.37	ADR	28.8	-34.9	4.09	28.36	54	-25.64	-	-	-	-	148	173	H
2	* 3.975	40.2	PK-U	33.3	-31.9	0	41.6	-	-	74	-32.4	-	-	59	271	H
	* 3.975	28.07	ADR	33.3	-31.9	4.09	33.56	54	-20.44	-	-	-	-	59	271	H
3	* 11.603	35.23	PK-U	38.3	-25.2	0	48.33	-	-	74	-25.67	-	-	215	125	H
	* 11.603	22.75	ADR	38.3	-25.2	4.09	39.94	54	-14.06	-	-	-	-	215	125	H
4	* 1.314	41.94	PK-U	29.1	-35	0	36.04	-	-	74	-37.96	-	-	127	281	V
	* 1.313	29.53	ADR	29.1	-35	4.09	27.72	54	-26.28	-	-	-	-	127	281	V
5	* 4.043	40.45	PK-U	33.3	-32.9	0	40.85	-	-	74	-33.15	-	-	4	145	V
	* 4.043	28.4	ADR	33.3	-32.9	4.09	32.89	54	-21.11	-	-	-	-	4	145	V
6	* 11.606	34.45	PK-U	38.4	-25.2	0	47.65	-	-	74	-26.35	-	-	45	350	V
	* 11.606	22.56	ADR	38.4	-25.2	4.09	39.85	54	-14.15	-	-	-	-	45	350	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



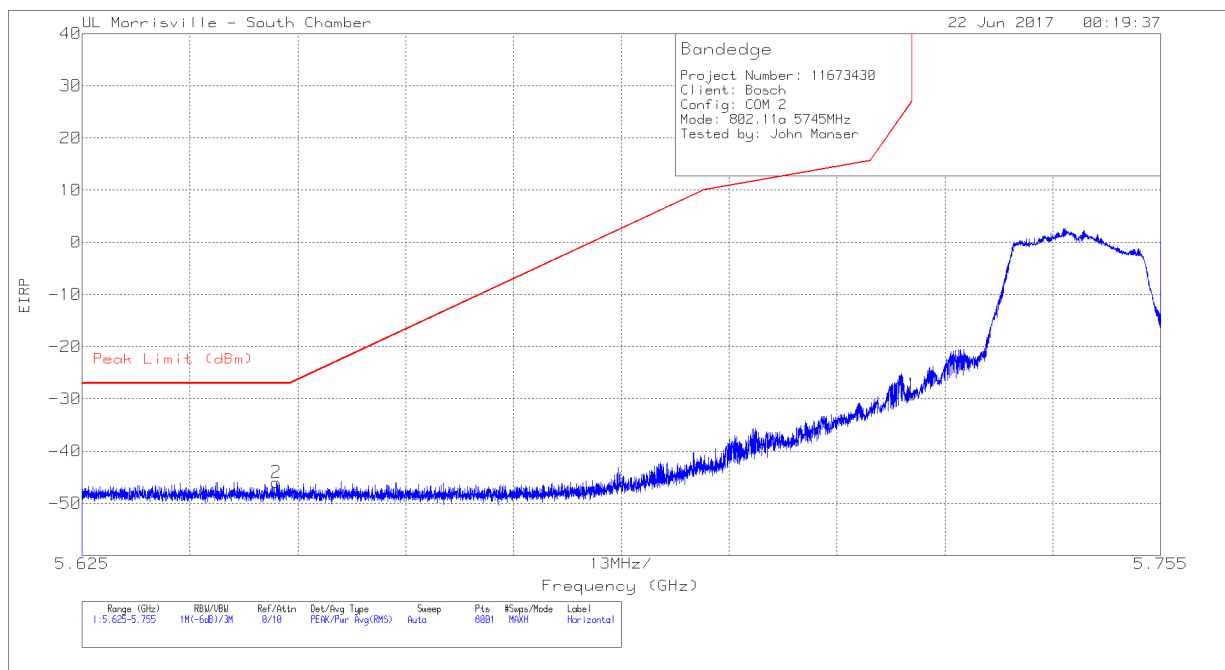
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.331	42.67	PK-U	28.7	-34.8	0	36.57	-	-	74	-37.43	-	-	324	400	H
	* 1.331	30.57	ADR	28.7	-34.8	4.09	28.56	54	-25.44	-	-	-	-	324	400	H
2	* 3.835	41.92	PK-U	33.4	-33	0	42.32	-	-	74	-31.68	-	-	310	149	H
	* 3.835	28.98	ADR	33.4	-32.9	4.09	33.57	54	-20.43	-	-	-	-	310	149	H
3	* 11.444	34.74	PK-U	38.2	-25.1	0	47.84	-	-	74	-26.16	-	-	130	292	H
	* 11.444	22.6	ADR	38.2	-25.1	4.09	39.79	54	-14.21	-	-	-	-	130	292	H
4	* 1.32	42.95	PK-U	29	-35	0	36.95	-	-	74	-37.05	-	-	186	207	V
	* 1.321	30.07	ADR	29	-35	4.09	28.16	54	-25.84	-	-	-	-	186	207	V
5	* 3.861	41.97	PK-U	33.3	-32.8	0	42.47	-	-	74	-31.53	-	-	149	339	V
	* 3.861	28.85	ADR	33.3	-32.8	4.09	33.44	54	-20.56	-	-	-	-	149	339	V
6	* 11.384	34.56	PK-U	38.1	-25	0	47.66	-	-	74	-26.34	-	-	185	258	V
	* 11.384	22.22	ADR	38.1	-25	4.09	39.41	54	-14.59	-	-	-	-	185	258	V

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

PK-U - U-NII: Maximum Peak

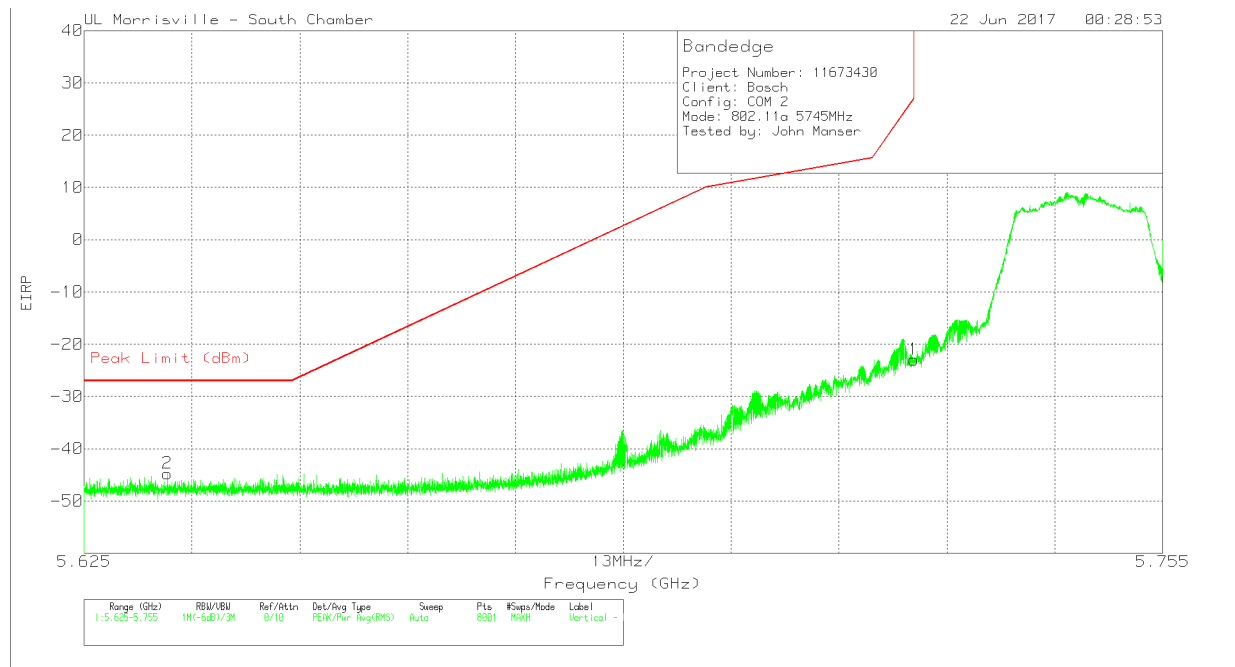
ADR - U-NII AD primary method, RMS average

## 9.12. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL INTERNAL CHAIN 0)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (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	5.648	-68.87	Pk	34.6	-23.5	11.8	0	-45.97	-27	-18.97	1	296	H
1	5.725	-52.09	Pk	34.6	-23.5	11.8	0	-29.19	27	-56.19	1	296	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
Pk - Peak detector

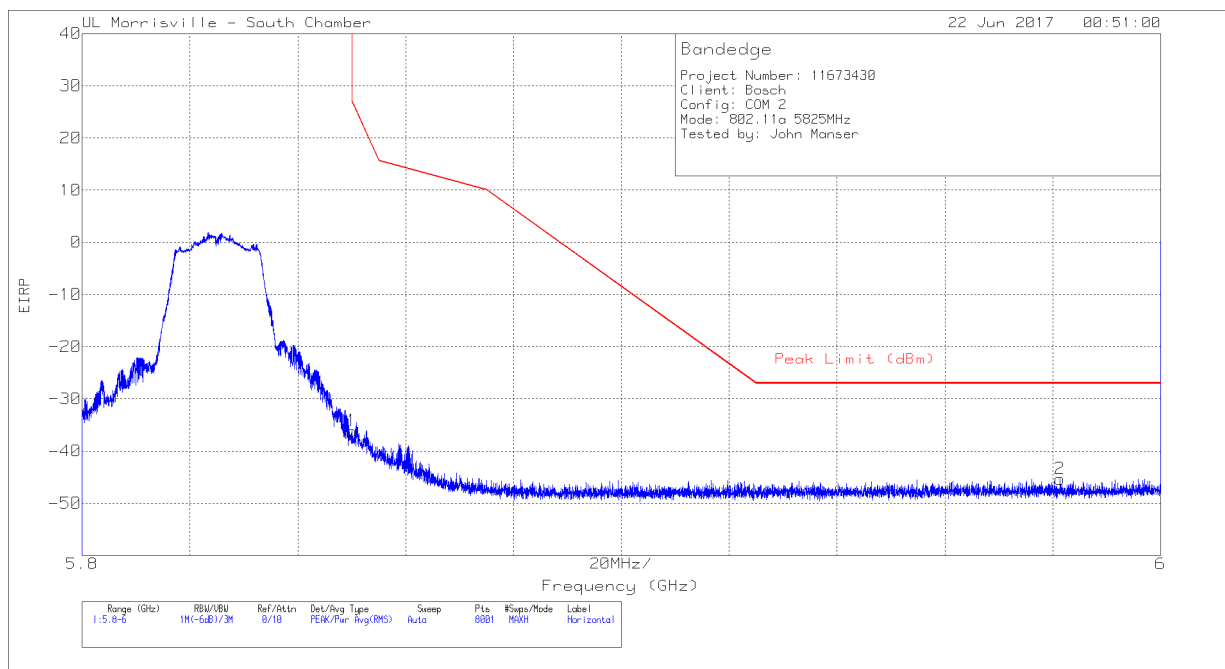


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.635	-67.53	Pk	34.6	-23.6	11.8	0	-44.73	-27	-17.73	189	117	V
1	5.725	-45.85	Pk	34.6	-23.5	11.8	0	-22.95	27	-49.95	189	117	V

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

Pk - Peak detector

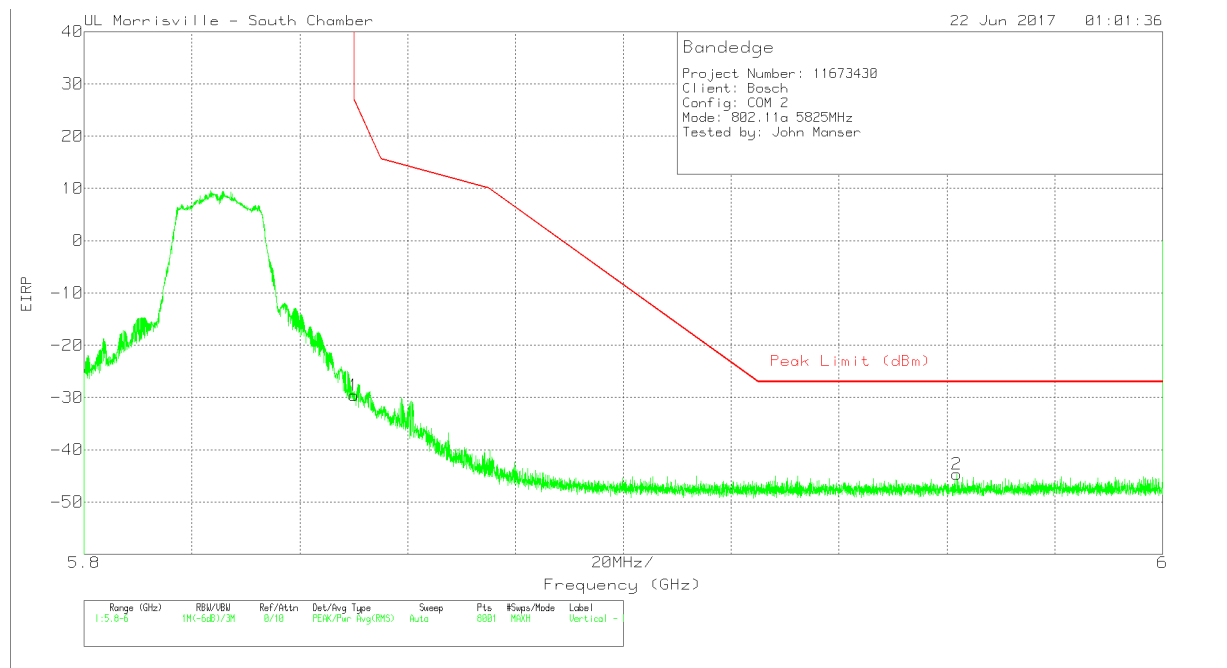
**AUTHORIZED BANDEDGE (HIGH CHANNEL INTERNAL CHAIN 0)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-59.51	Pk	34.8	-23.2	11.8	0	-36.11	26.99	-63.1	359	309	H
2	5.981	-69.33	Pk	35.1	-22.9	11.8	0	-45.33	-27	-18.33	359	309	H

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

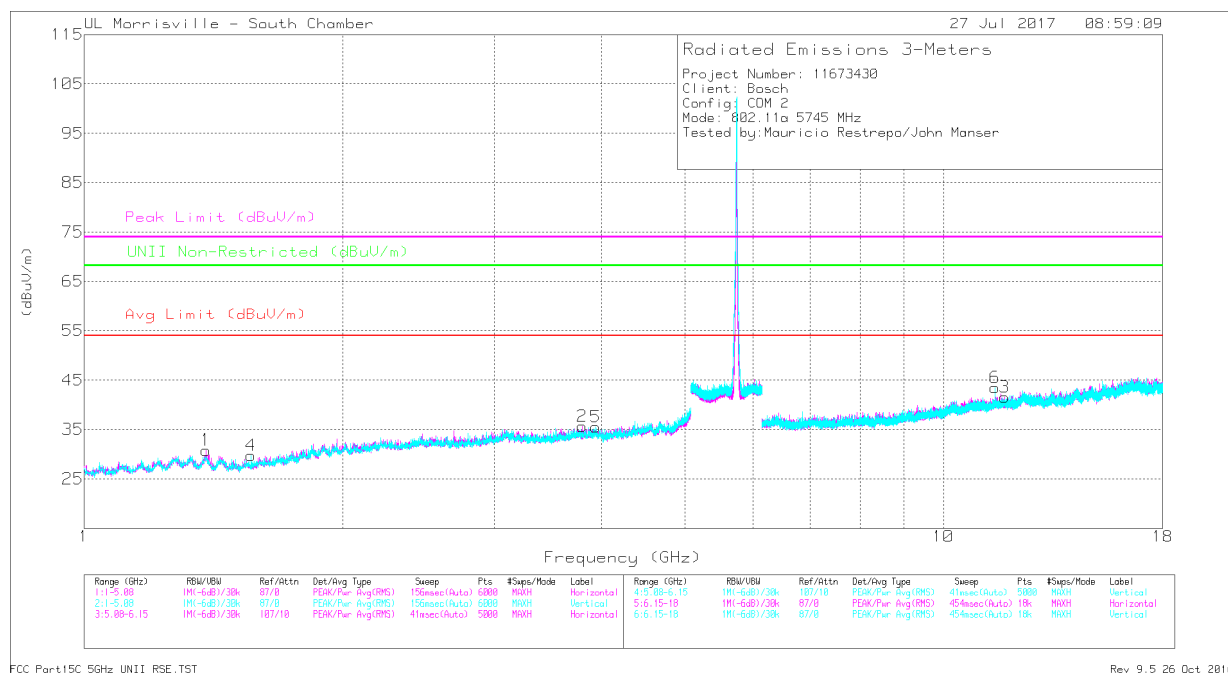
Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-52.97	Pk	34.8	-23.2	11.8	0	-29.57	26.99	-56.56	118	100	V
2	5.962	-68.57	Pk	35	-22.9	11.8	0	-44.67	-27	-17.67	118	100	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS – INTERNAL CHAIN 0



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.386	42.44	PK-U	28.9	-34.8	0	36.54	-	-	74	-37.46	-	-	243	359	H
	* 1.387	30.38	ADR	28.8	-34.8	4.09	28.47	54	-25.53	-	-	-	-	243	359	H
2	* 3.802	41.27	PK-U	33.4	-33.1	0	41.57	-	-	74	-32.43	-	-	5	197	H
	* 3.802	29.03	ADR	33.4	-33.1	4.09	33.42	54	-20.58	-	-	-	-	5	197	H
4	* 1.564	42.24	PK-U	28.1	-34.9	0	35.44	-	-	74	-38.56	-	-	289	278	V
	* 1.563	29.94	ADR	28.1	-34.9	4.09	27.23	54	-26.77	-	-	-	-	289	278	V
5	* 3.936	40.14	PK-U	33.3	-32.2	0	41.24	-	-	74	-32.76	-	-	338	199	V
	* 3.935	28.47	ADR	33.3	-32.2	4.09	33.66	54	-20.34	-	-	-	-	338	199	V
3	* 11.787	33.74	PK-U	38.5	-24.8	0	47.44	-	-	74	-26.56	-	-	331	102	H
	* 11.788	22.33	ADR	38.5	-24.8	4.09	40.12	54	-13.88	-	-	-	-	331	102	H
6	* 11.49	34.75	PK-U	38.3	-24.9	0	48.15	-	-	74	-25.85	-	-	180	126	V
	* 11.491	23.23	ADR	38.3	-24.9	4.09	40.72	54	-13.28	-	-	-	-	180	126	V

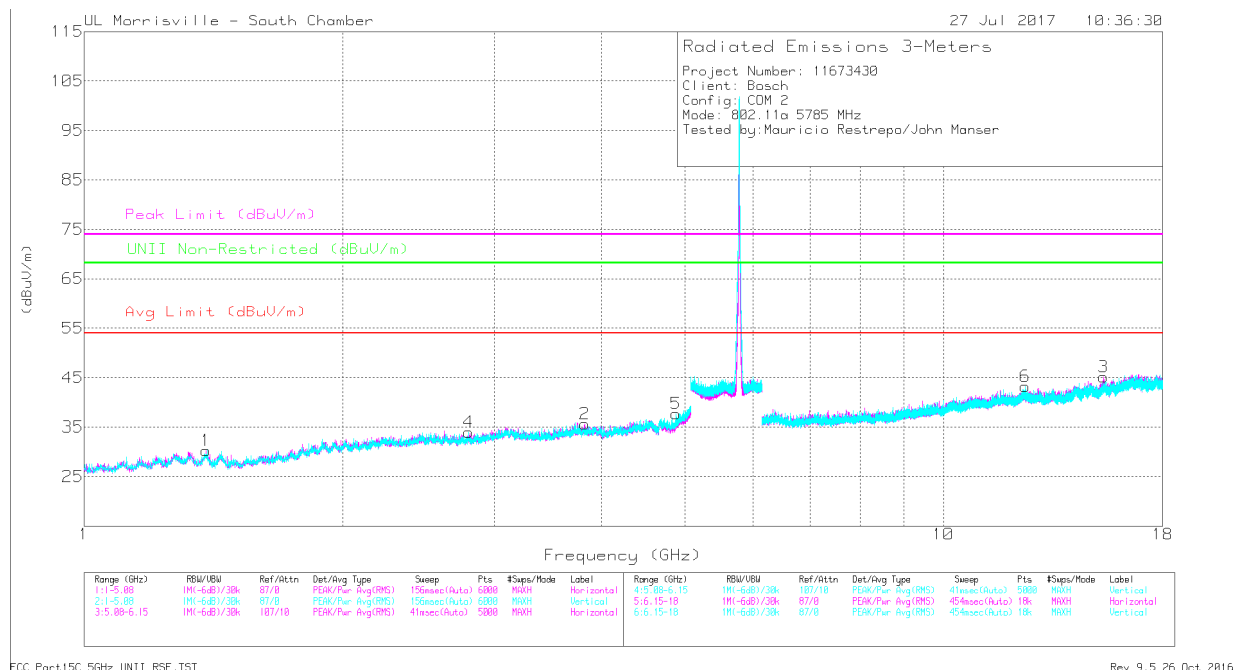
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.





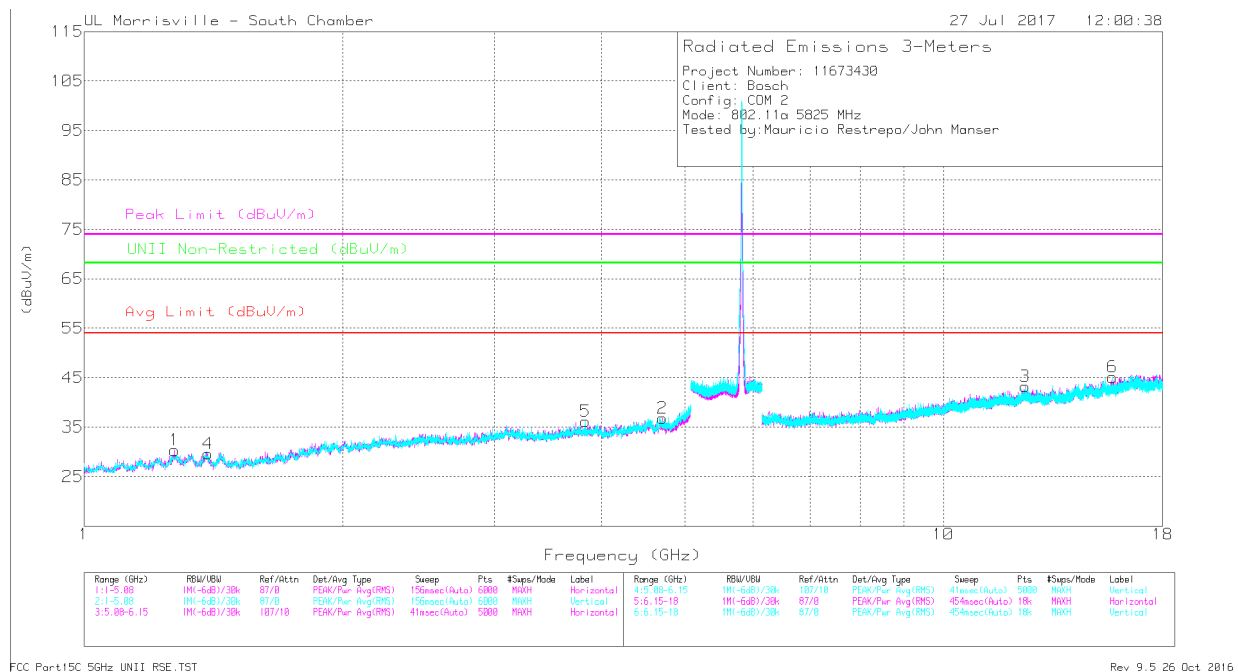
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.386	42.99	PK-U	28.9	-34.8	0	37.09	-	-	74	-36.91	-	-	128	301	H
	* 1.385	30.42	ADR	28.9	-34.8	4.09	28.61	54	-25.39	-	-	-	-	128	301	H
2	* 3.827	41.02	PK-U	33.4	-33	0	41.42	-	-	74	-32.58	-	-	298	133	H
	* 3.825	29.1	ADR	33.4	-33	4.09	33.59	54	-20.41	-	-	-	-	298	133	H
4	* 2.8	41.35	PK-U	32.2	-33.8	0	39.75	-	-	74	-34.25	-	-	313	272	V
	* 2.801	29.5	ADR	32.2	-33.8	4.09	31.99	54	-22.01	-	-	-	-	313	272	V
5	* 4.885	39.11	PK-U	34	-30.5	0	42.61	-	-	74	-31.39	-	-	205	129	V
	* 4.884	27.69	ADR	34	-30.5	4.09	35.28	54	-18.72	-	-	-	-	205	129	V
3	* 15.352	34.03	PK-U	39.9	-23.9	0	50.03	-	-	74	-23.97	-	-	121	388	H
	* 15.353	22.36	ADR	39.9	-23.9	4.09	42.45	54	-11.55	-	-	-	-	121	388	H
6	* 12.446	34.13	PK-U	38.9	-24.3	0	48.73	-	-	74	-25.27	-	-	95	391	V
	* 12.447	22.34	ADR	38.9	-24.3	4.09	41.03	54	-12.97	-	-	-	-	95	391	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Fitr/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	* 1.274	42.37	PK-U	29	-35.1	0	36.27	-	-	74	-37.73	-	-	241	216	H
	* 1.275	30.42	ADR	29	-35.1	4.09	28.41	54	-25.59	-	-	-	-	241	216	H
2	* 4.712	39.29	PK-U	34	-31.3	0	41.99	-	-	74	-32.01	-	-	61	351	H
	* 4.711	27.63	ADR	34	-31.3	4.09	34.42	54	-19.58	-	-	-	-	61	351	H
4	* 1.394	42.98	PK-U	28.7	-34.8	0	36.88	-	-	74	-37.12	-	-	67	253	V
	* 1.39	30.3	ADR	28.8	-34.8	4.09	28.39	54	-25.61	-	-	-	-	67	253	V
5	* 3.829	41	PK-U	33.4	-33	0	41.4	-	-	74	-32.6	-	-	111	205	V
	* 3.83	29.01	ADR	33.4	-33	4.09	33.5	54	-20.5	-	-	-	-	111	205	V
3	* 12.451	34.15	PK-U	38.9	-24.3	0	48.75	-	-	74	-25.25	-	-	299	331	H
	* 12.45	22.44	ADR	38.9	-24.3	4.09	41.13	54	-12.87	-	-	-	-	299	331	H
6	* 15.727	33.77	PK-U	40.3	-23.9	0	50.17	-	-	74	-23.83	-	-	127	109	V
	* 15.73	22.22	ADR	40.3	-23.9	4.09	42.71	54	-11.29	-	-	-	-	127	109	V

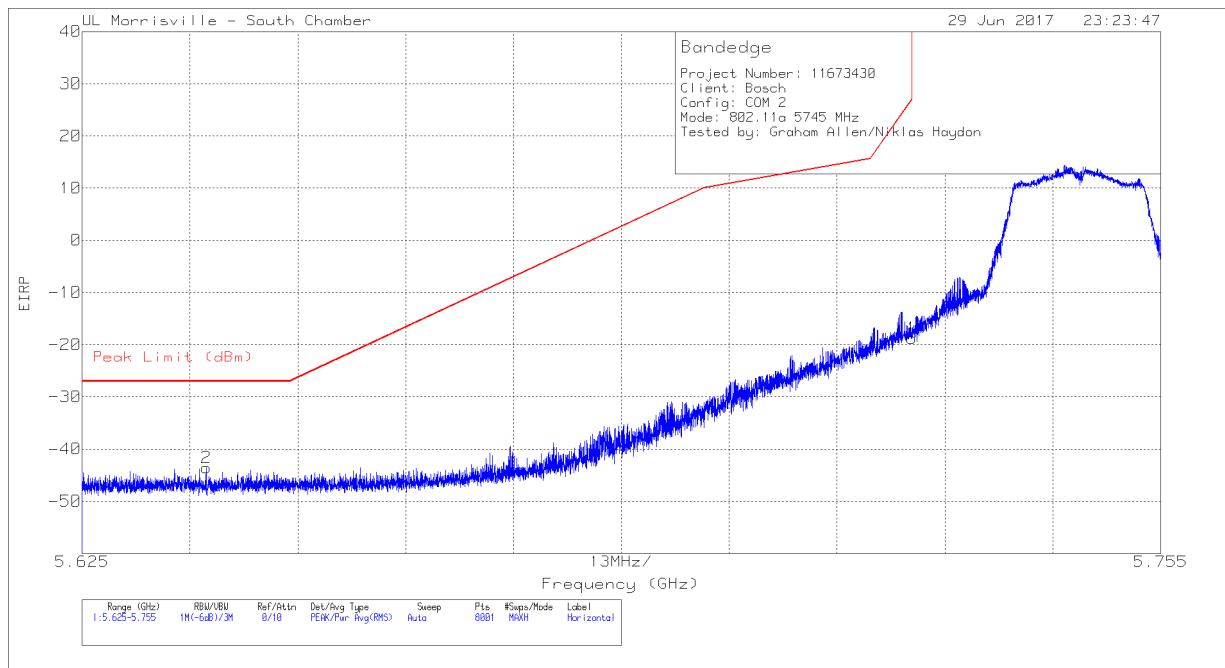
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.

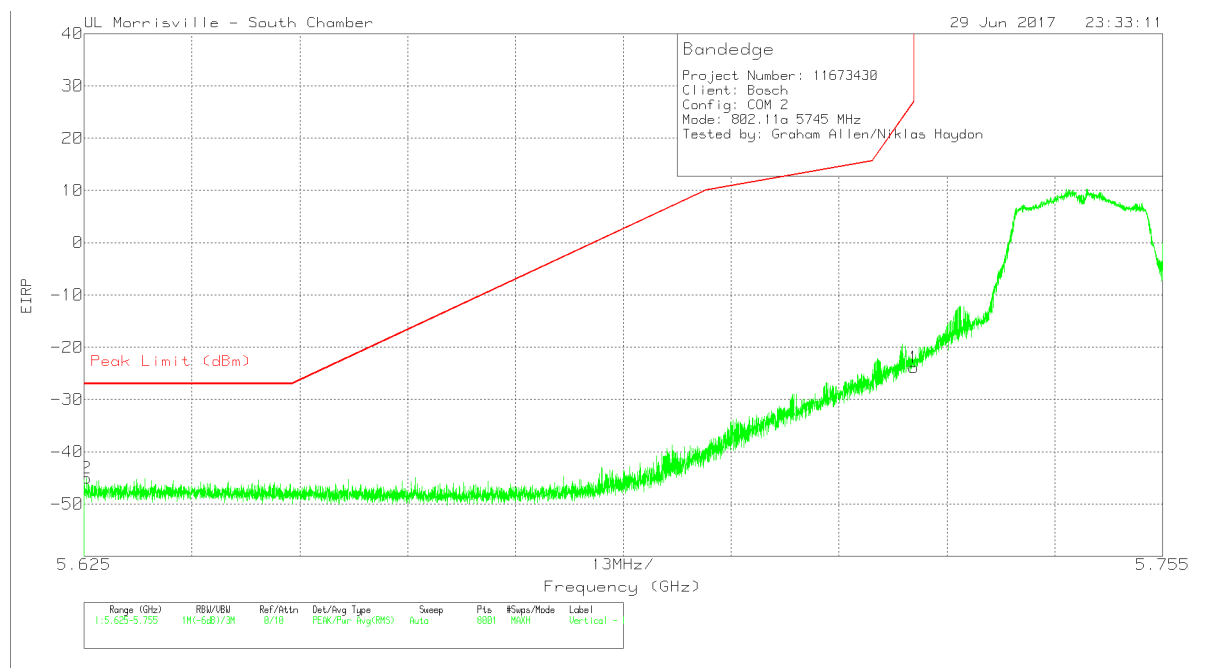
**RESTRICTED BANDEDGE (LOW CHANNEL INTERNAL CHAIN 1)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (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	5.64	-66.45	Pk	34.6	-23.5	11.8	0	-43.55	-27	-16.55	338	116	H
1	5.725	-41.7	Pk	34.6	-23.5	11.8	0	-18.8	27	-45.8	338	116	H

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

Pk - Peak detector

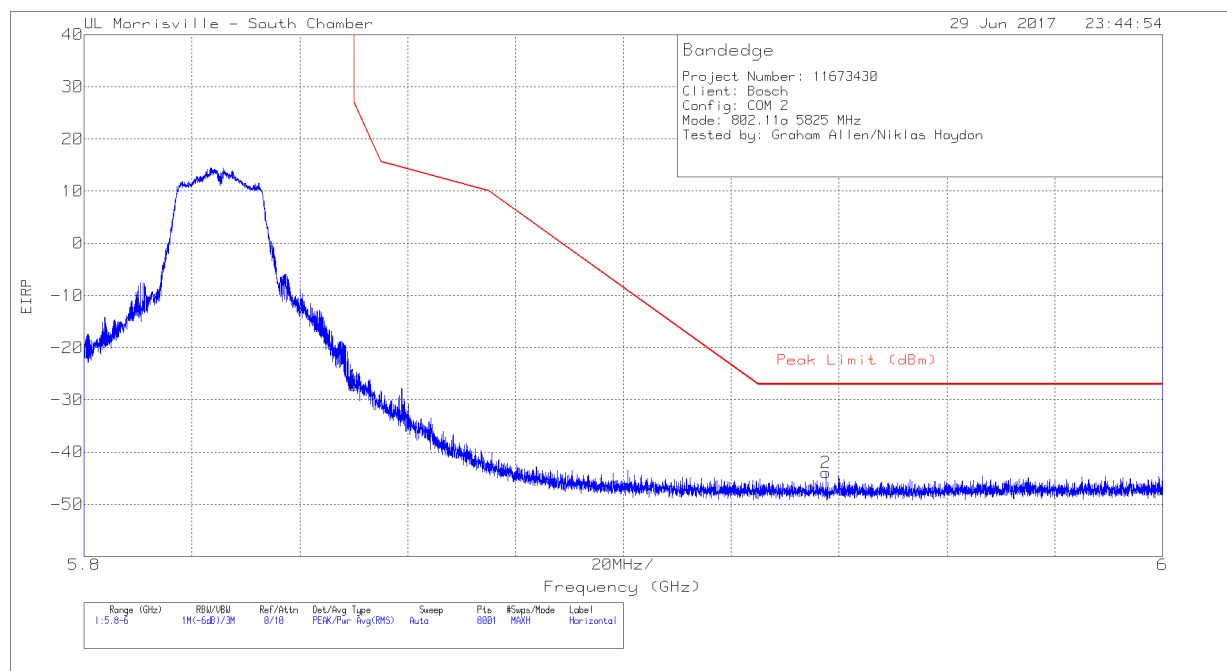


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.625	-67.93	Pk	34.6	-23.5	11.8	0	-45.03	-27	-18.03	291	397	V
1	5.725	-46.82	Pk	34.6	-23.5	11.8	0	-23.92	27	-50.92	291	397	V

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

Pk - Peak detector

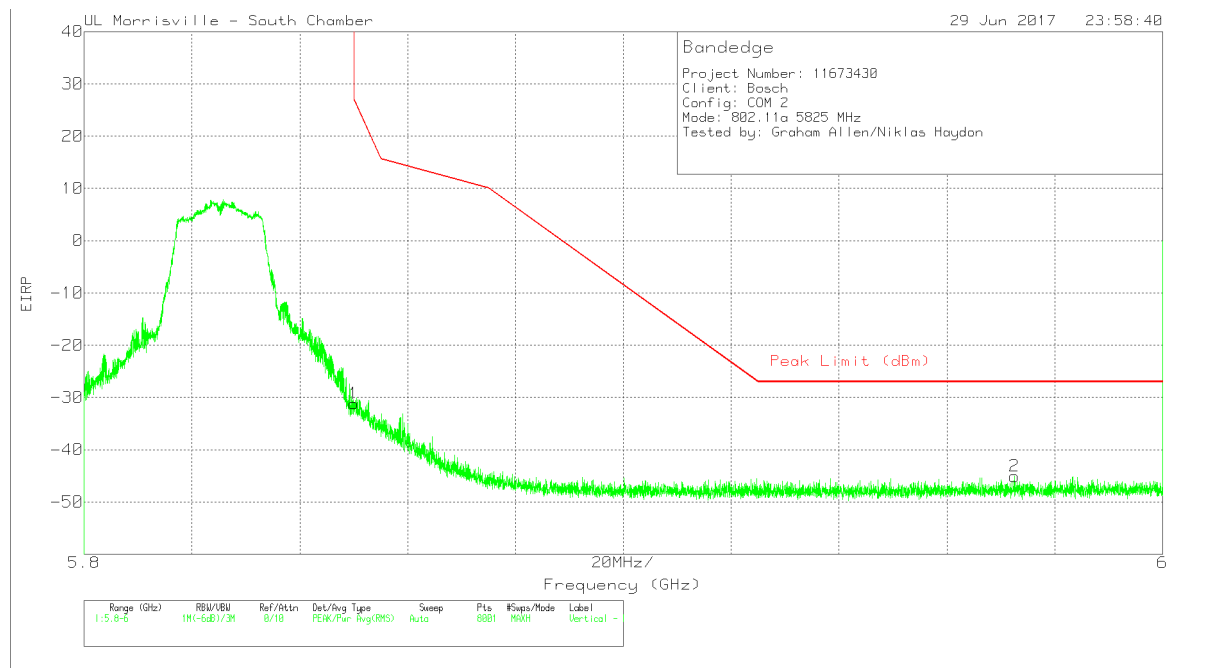
**AUTHORIZED BANDEDGE (HIGH CHANNEL INTERNAL CHAIN 1)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-50.7	Pk	34.8	-23.2	11.8	0	-27.3	26.99	-54.29	338	112	H
2	5.938	-67.66	Pk	34.9	-23	11.8	0	-43.96	-27	-16.96	338	112	H

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

Pk - Peak detector

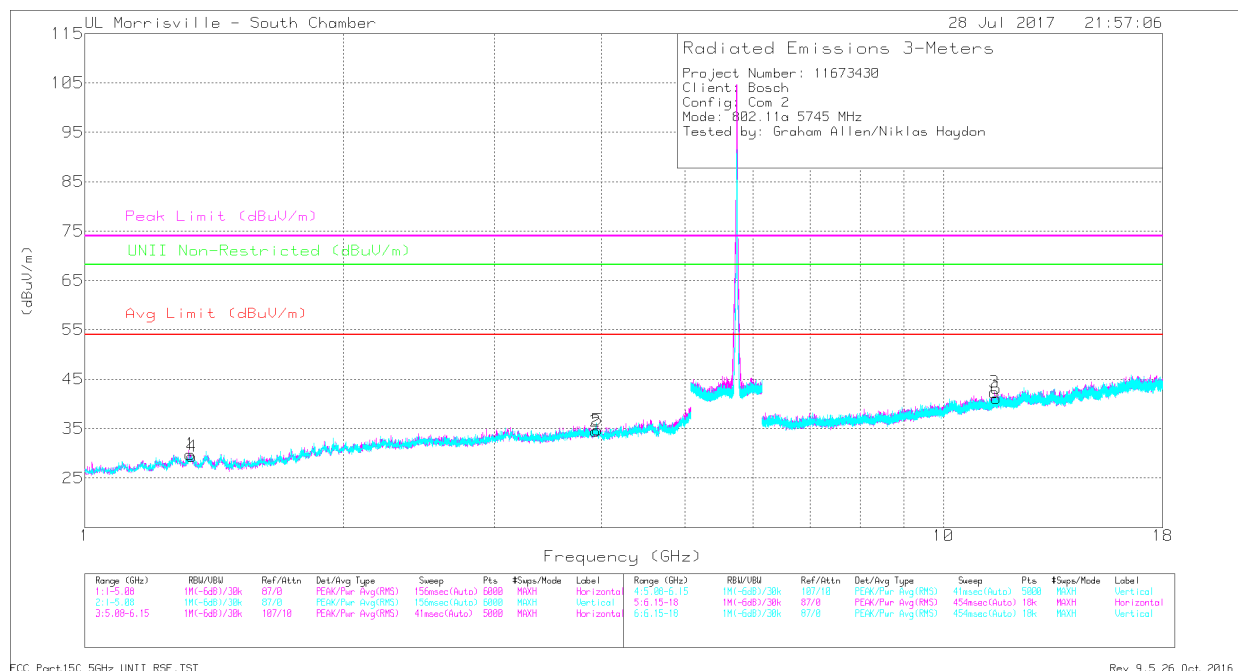


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-54.59	Pk	34.8	-23.2	11.8	0	-31.19	26.99	-58.18	285	358	V
2	5.972	-68.98	Pk	35	-22.9	11.8	0	-45.08	-27	-18.08	285	358	V

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

Pk - Peak detector

# **HARMONICS AND SPURIOUS EMISSIONS – INTERNAL CHAIN 1**



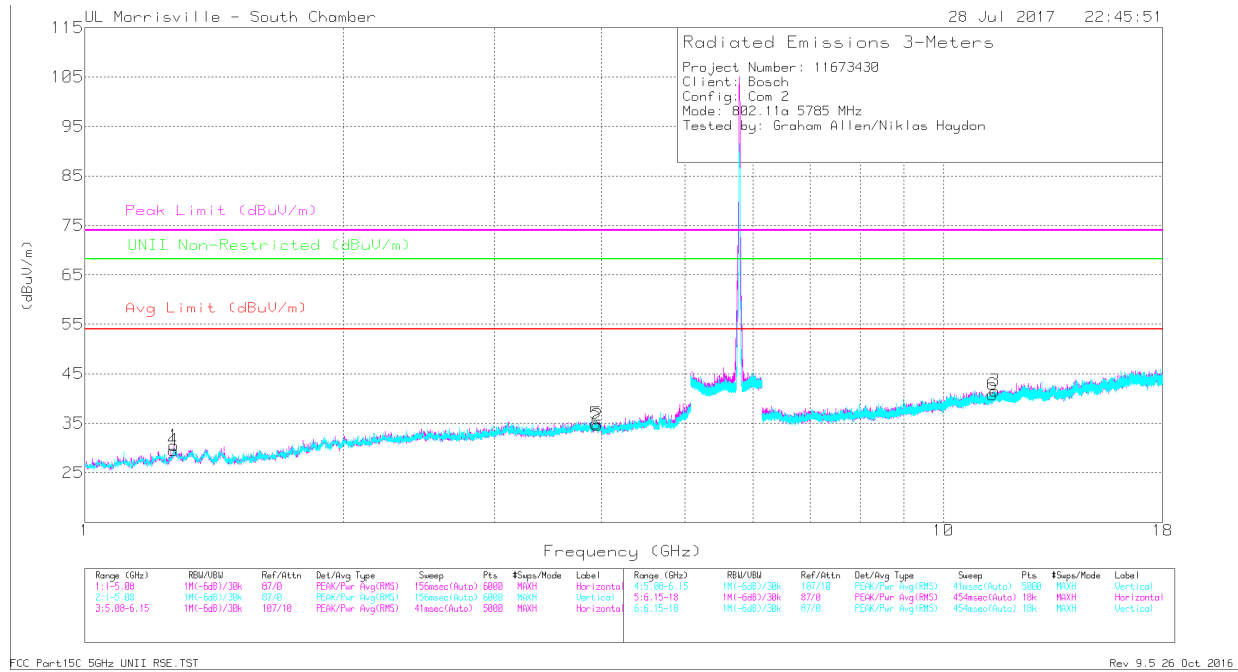
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.33	42.6	PK-U	28.8	-34.8	0	36.6	-	-	74	-37.4	-	-	35	208	H
	* 1.33	30.39	ADR	28.8	-34.8	4.09	28.48	54	-25.52	-	-	-	-	35	208	H
2	* 3.939	40.34	PK-U	33.3	-32.2	0	41.44	-	-	74	-32.56	-	-	345	359	H
	* 3.939	28.2	ADR	33.3	-32.2	4.09	33.39	54	-20.61	-	-	-	-	345	359	H
3	* 11.462	35.01	PK-U	38.2	-25	0	48.21	-	-	74	-25.79	-	-	133	259	H
	* 11.462	22.62	ADR	38.2	-25	4.09	39.91	54	-14.09	-	-	-	-	133	259	H
4	* 1.333	42.83	PK-U	28.7	-34.8	0	36.73	-	-	74	-37.27	-	-	273	142	V
	* 1.333	30.34	ADR	28.7	-34.8	4.09	28.33	54	-25.67	-	-	-	-	273	142	V
5	* 3.956	40.21	PK-U	33.4	-31.9	0	41.71	-	-	74	-32.29	-	-	338	256	V
	* 3.955	27.74	ADR	33.4	-31.9	4.09	33.33	54	-20.67	-	-	-	-	338	256	V
6	* 11.52	34.7	PK-U	38.3	-24.9	0	48.1	-	-	74	-25.9	-	-	185	246	V
	* 11.521	22.62	ADR	38.3	-24.9	4.09	40.11	54	-13.89	-	-	-	-	185	246	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.



Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.272	43.17	PK-U	29	-35.1	0	37.07	-	-	74	-36.93	-	-	125	340	H
	* 1.271	30.4	ADR	29	-35.1	4.09	28.39	54	-25.61	-	-	-	-	125	340	H
2	* 3.955	39.7	PK-U	33.4	-31.9	0	41.2	-	-	74	-32.8	-	-	41	290	H
	* 3.954	27.74	ADR	33.4	-31.9	4.09	33.33	54	-20.67	-	-	-	-	41	290	H
3	* 11.487	34.36	PK-U	38.3	-24.9	0	47.76	-	-	74	-26.24	-	-	69	222	H
	* 11.487	22.63	ADR	38.3	-24.9	4.09	40.12	54	-13.88	-	-	-	-	69	222	H
4	* 1.27	42.62	PK-U	29	-35.2	0	36.42	-	-	74	-37.58	-	-	294	259	V
	* 1.27	30.41	ADR	29	-35.1	4.09	28.4	54	-25.6	-	-	-	-	294	259	V
5	* 3.942	40.85	PK-U	33.3	-32.1	0	42.05	-	-	74	-31.95	-	-	203	321	V
	* 3.941	28.12	ADR	33.3	-32.1	4.09	33.41	54	-20.59	-	-	-	-	203	321	V
6	* 11.406	34.52	PK-U	38.1	-25.1	0	47.52	-	-	74	-26.48	-	-	96	349	V
	* 11.406	22.51	ADR	38.1	-25.1	4.09	39.6	54	-14.4	-	-	-	-	96	349	V

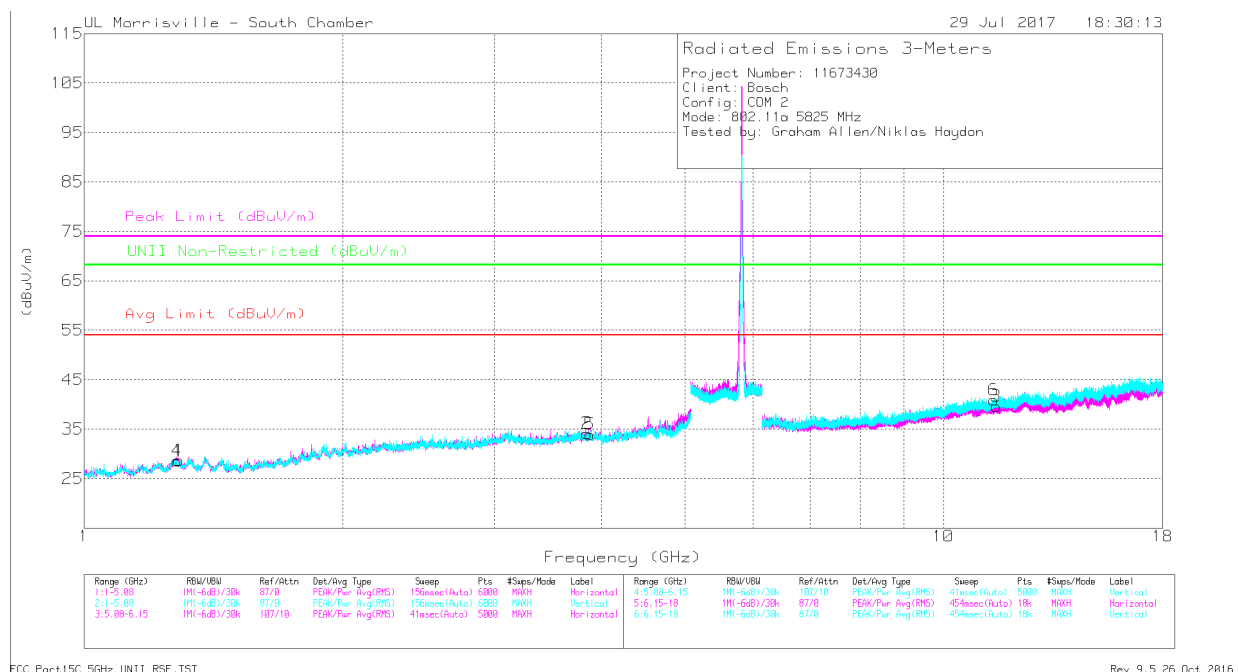
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.





Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.287	42.21	PK-U	29.1	-35.1	0	36.21	-	-	74	-37.79	-	-	213	115	H
	* 1.287	29.75	ADR	29.1	-35.1	4.09	27.84	54	-26.16	-	-	-	-	213	115	H
2	* 3.849	40.38	PK-U	33.3	-32.8	0	40.88	-	-	74	-33.12	-	-	354	348	H
	* 3.848	28.63	ADR	33.3	-32.8	4.09	33.22	54	-20.78	-	-	-	-	354	348	H
3	* 11.526	34.9	PK-U	38.3	-24.9	0	48.3	-	-	74	-25.7	-	-	199	316	H
	* 11.525	22.62	ADR	38.3	-24.9	4.09	40.11	54	-13.89	-	-	-	-	199	316	H
4	* 1.283	42.42	PK-U	29	-35.1	0	36.32	-	-	74	-37.68	-	-	350	211	V
	* 1.283	30.04	ADR	29	-35.1	4.09	28.03	54	-25.97	-	-	-	-	350	211	V
5	* 3.88	40.59	PK-U	33.3	-32.8	0	41.09	-	-	74	-32.91	-	-	103	241	V
	* 3.88	28.73	ADR	33.3	-32.8	4.09	33.32	54	-20.68	-	-	-	-	103	241	V
6	* 11.444	34.89	PK-U	38.2	-25.1	0	47.99	-	-	74	-26.01	-	-	8	397	V
	* 11.444	22.56	ADR	38.2	-25.1	4.09	39.75	54	-14.25	-	-	-	-	8	397	V

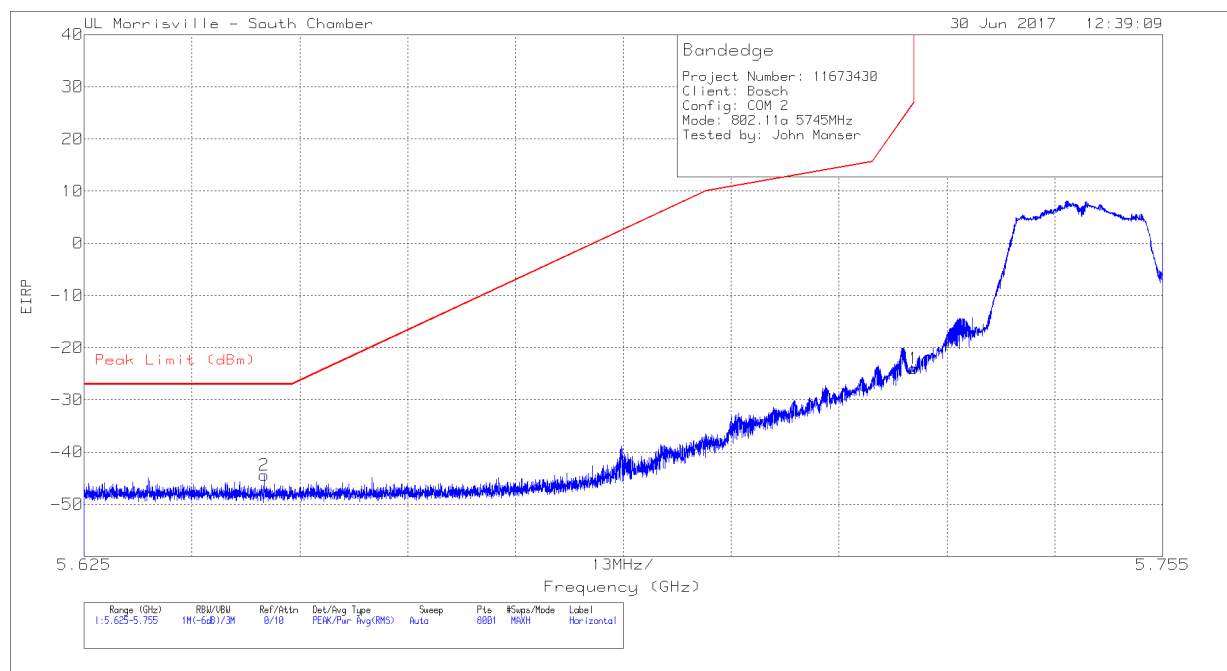
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.

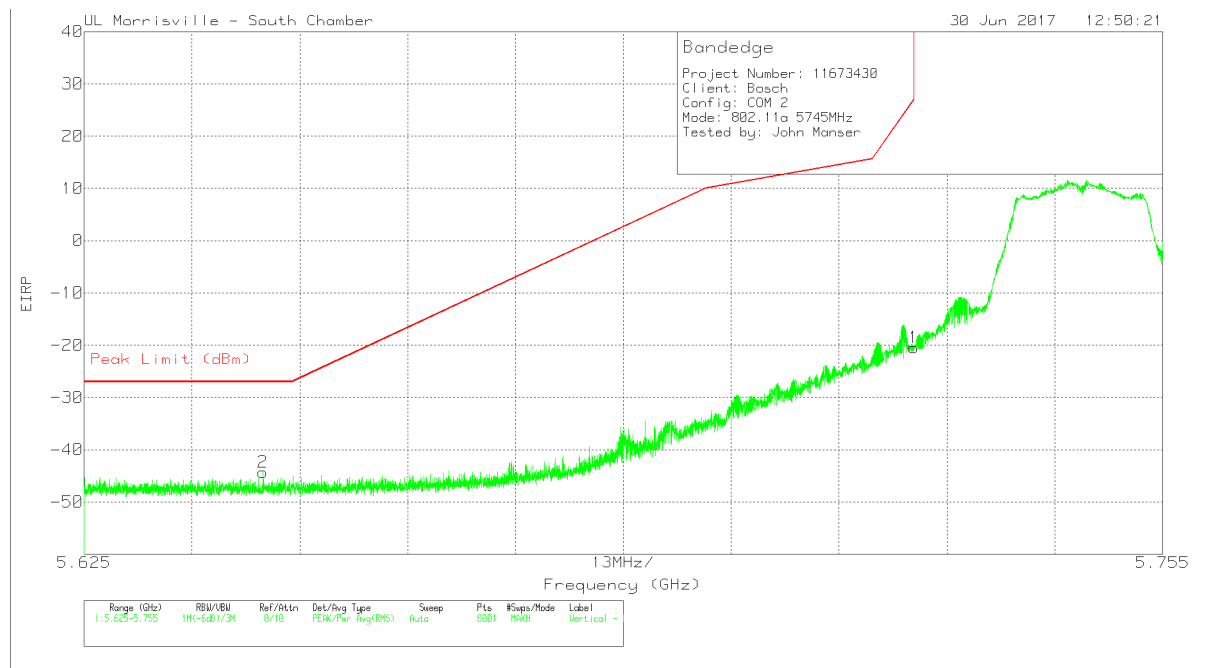
**RESTRICTED BANDEDGE (LOW CHANNEL EXTERNAL CHAIN 0)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (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	5.647	-67.35	Pk	34.6	-23.5	11.8	0	-44.45	-27	-17.45	47	250	H
1	5.725	-46.91	Pk	34.6	-23.5	11.8	0	-24.01	27	-51.01	47	250	H

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

Pk - Peak detector

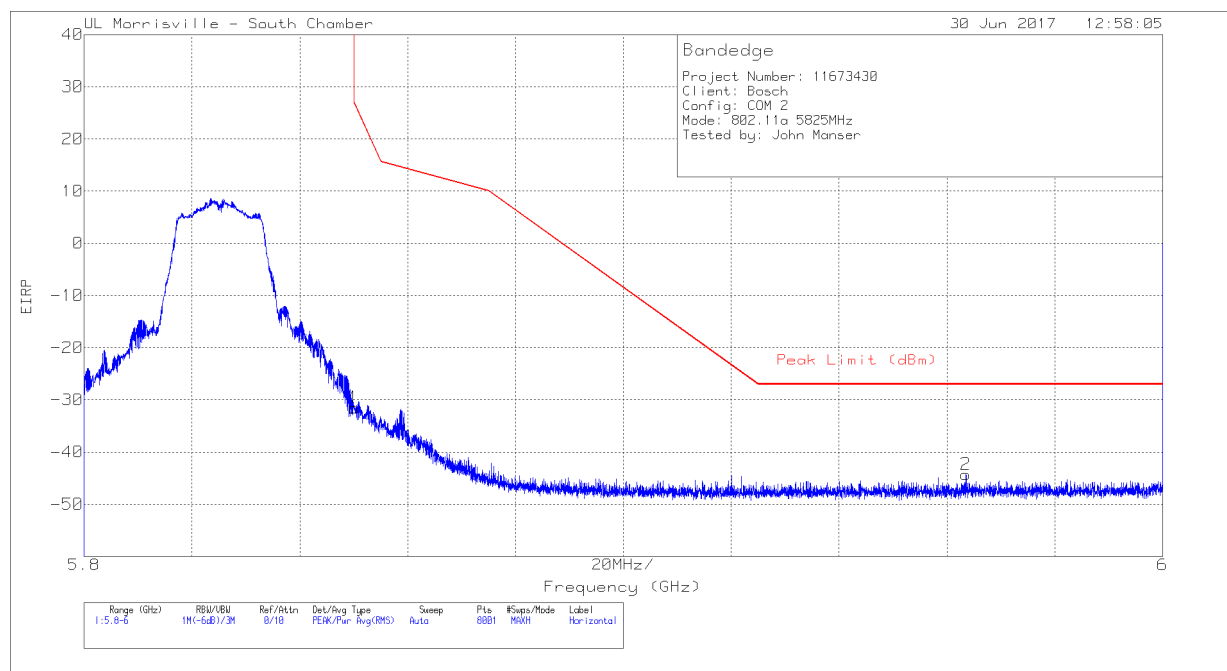


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.647	-67.21	Pk	34.6	-23.5	11.8	0	-44.31	-27	-17.31	120	227	V
1	5.725	-43.35	Pk	34.6	-23.5	11.8	0	-20.45	27	-47.45	120	227	V

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

Pk - Peak detector

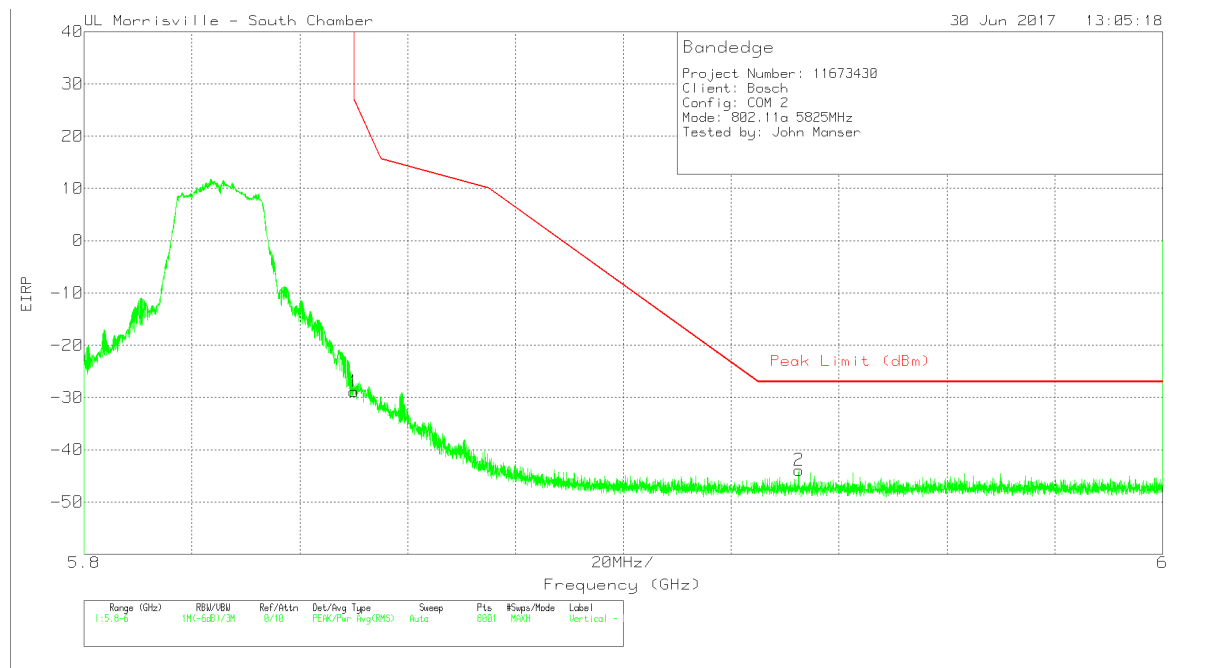
**AUTHORIZED BANDEDGE (HIGH CHANNEL EXTERNAL CHAIN 0)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-54.89	Pk	34.8	-23.2	11.8	0	-31.49	26.99	-58.48	266	258	H
2	5.963	-68.17	Pk	35	-22.9	11.8	0	-44.27	-27	-17.27	266	258	H

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

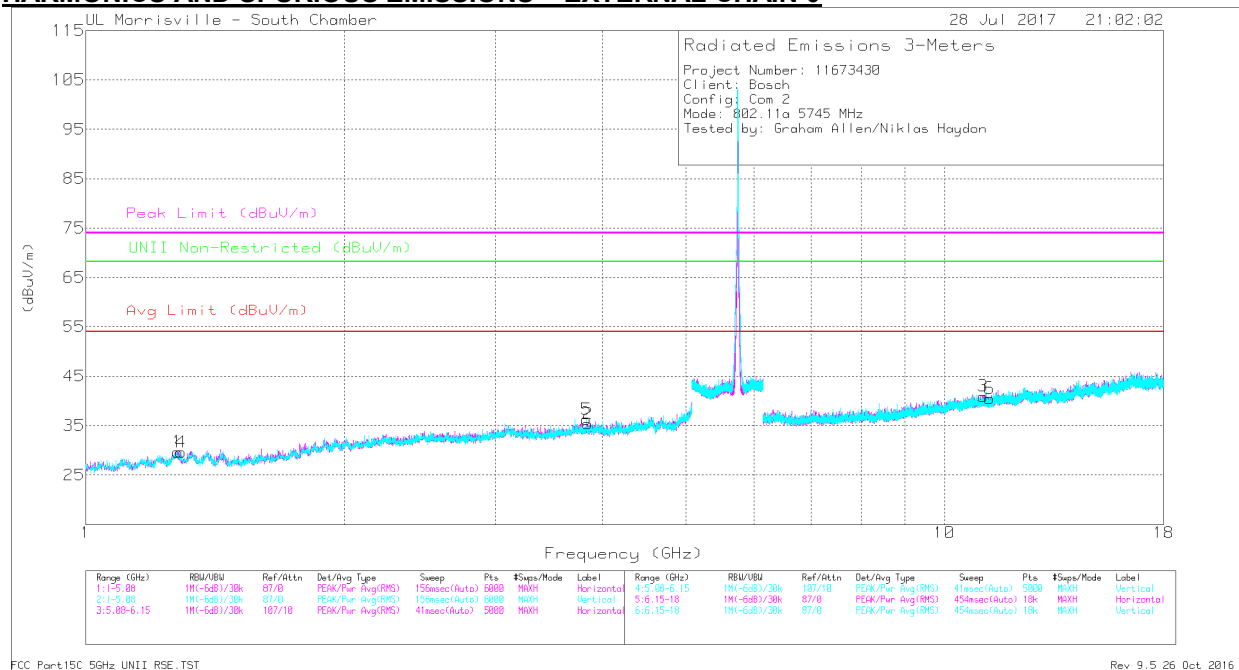
Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-52.23	Pk	34.8	-23.2	11.8	0	-28.83	26.99	-55.82	129	229	V
2	5.933	-67.59	Pk	34.9	-23	11.8	0	-43.89	-27	-16.89	129	229	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS – EXTERNAL CHAIN 0



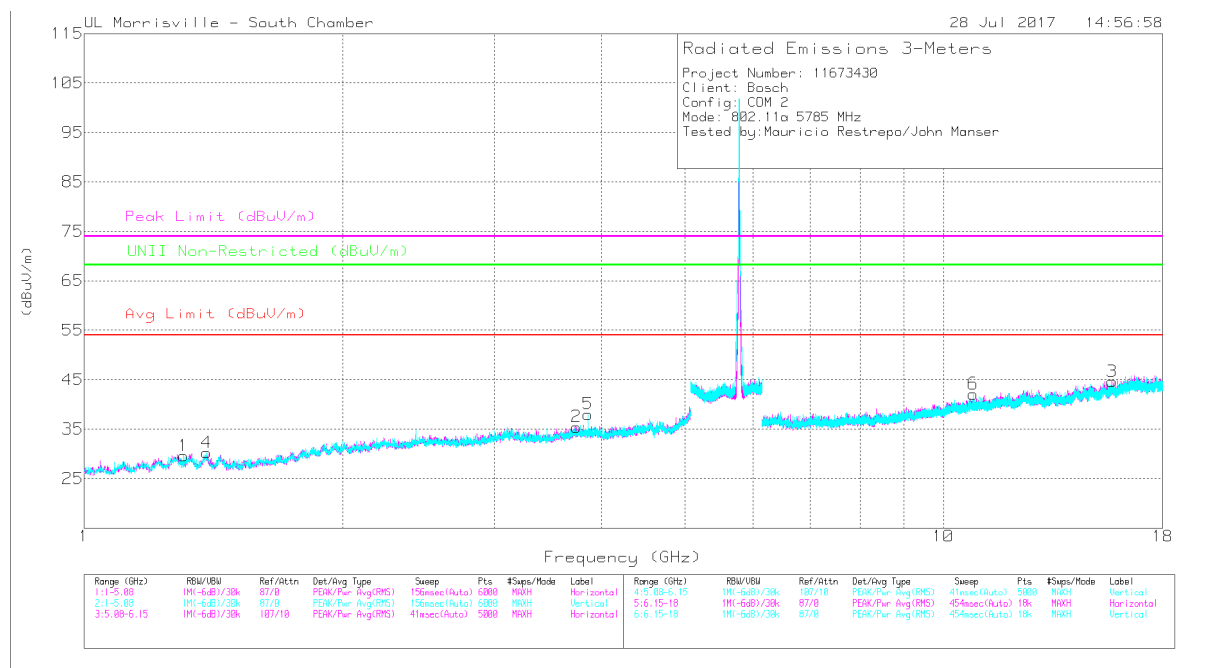
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.281	42.51	PK-U	29	-35.1	0	36.41	-	-	74	-37.59	-	-	48	389	H
	* 1.281	30.21	ADR	29	-35.1	4.09	28.2	54	-25.8	-	-	-	-	48	389	H
2	* 3.843	40.63	PK-U	33.3	-32.9	0	41.03	-	-	74	-32.97	-	-	205	336	H
	* 3.843	28.73	ADR	33.3	-32.9	4.09	33.22	54	-20.78	-	-	-	-	205	336	H
3	* 11.092	34.33	PK-U	37.9	-25.1	0	47.13	-	-	74	-26.87	-	-	228	311	H
	* 11.092	22.46	ADR	37.9	-25.1	4.09	39.35	54	-14.65	-	-	-	-	228	311	H
4	* 1.29	41.78	PK-U	29.1	-35	0	35.88	-	-	74	-38.12	-	-	315	400	V
	* 1.29	29.6	ADR	29.1	-35	4.09	27.79	54	-26.21	-	-	-	-	315	400	V
5	* 3.83	42.47	PK-U	33.4	-33	0	42.87	-	-	74	-31.13	-	-	42	140	V
	* 3.83	32.72	ADR	33.4	-33	4.09	37.21	54	-16.79	-	-	-	-	42	140	V
6	* 11.29	33.95	PK-U	38	-24.8	0	47.15	-	-	74	-26.85	-	-	337	400	V
	* 11.29	21.78	ADR	38	-24.8	4.09	39.07	54	-14.93	-	-	-	-	337	400	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.



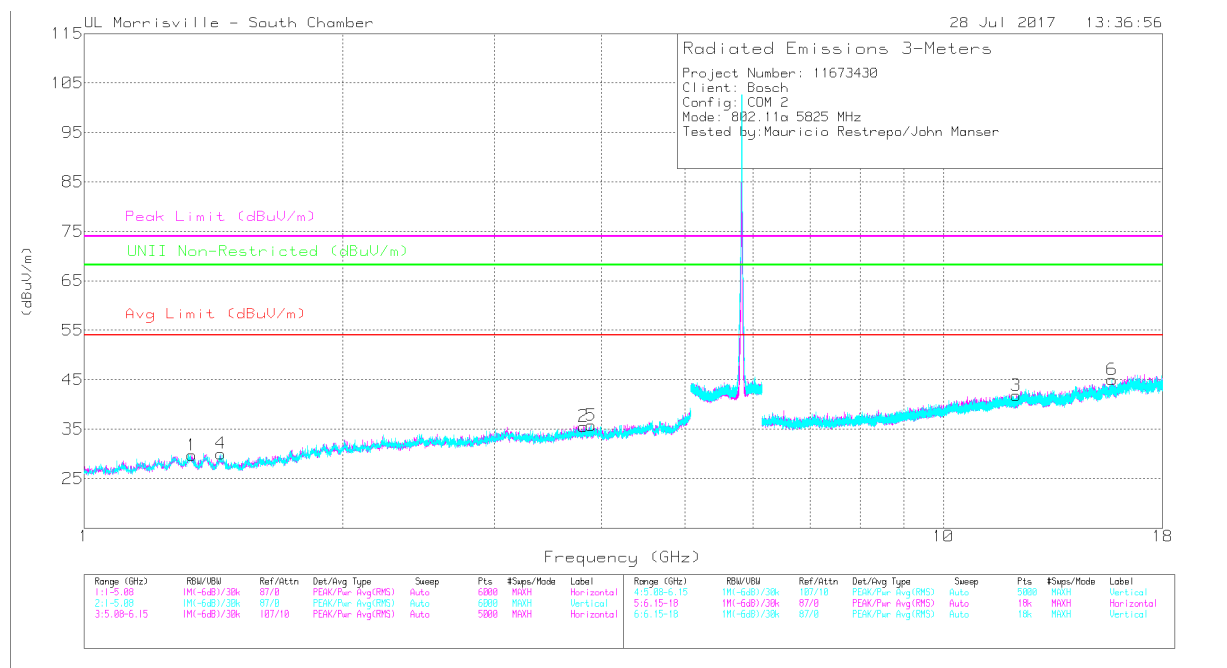
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.307	41.53	PK-U	29.1	-35	0	35.63	-	-	74	-38.37	-	-	355	247	H
	* 1.305	29.32	ADR	29.1	-35	4.09	27.51	54	-26.49	-	-	-	-	355	247	H
2	* 3.738	40.5	PK-U	33.3	-32.7	0	41.1	-	-	74	-32.9	-	-	191	222	H
	* 3.737	28.59	ADR	33.3	-32.6	4.09	33.38	54	-20.62	-	-	-	-	191	222	H
4	* 1.387	43.22	PK-U	28.8	-34.8	0	37.22	-	-	74	-36.78	-	-	95	355	V
	* 1.386	30.48	ADR	28.9	-34.8	4.09	28.67	54	-25.33	-	-	-	-	95	355	V
5	* 3.857	43	PK-U	33.3	-32.9	0	43.4	-	-	74	-30.6	-	-	225	106	V
	* 3.857	34.26	ADR	33.3	-32.9	4.09	38.75	54	-15.25	-	-	-	-	225	106	V
3	* 15.72	34.16	PK-U	40.3	-23.9	0	50.56	-	-	74	-23.44	-	-	16	111	H
	* 15.719	22.51	ADR	40.3	-23.9	4.09	43	54	-11	-	-	-	-	16	111	H
6	* 10.837	34.56	PK-U	37.9	-25	0	47.46	-	-	74	-26.54	-	-	250	339	V
	* 10.838	22.7	ADR	37.9	-25	4.09	39.69	54	-14.31	-	-	-	-	250	339	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Fitr/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	* 1.334	42.25	PK-U	28.7	-34.8	0	36.15	-	-	74	-37.85	-	-	357	294	H
	* 1.333	30.42	ADR	28.7	-34.8	4.09	28.41	54	-25.59	-	-	-	-	357	294	H
2	* 3.813	41.23	PK-U	33.4	-33.1	0	41.53	-	-	74	-32.47	-	-	293	248	H
	* 3.815	29.32	ADR	33.4	-33.1	4.09	33.71	54	-20.29	-	-	-	-	293	248	H
4	* 1.443	42.7	PK-U	28.7	-35	0	36.4	-	-	74	-37.6	-	-	293	169	V
	* 1.443	30.46	ADR	28.7	-35	4.09	28.25	54	-25.75	-	-	-	-	293	169	V
5	* 3.891	40.68	PK-U	33.3	-32.6	0	41.38	-	-	74	-32.62	-	-	284	211	V
	* 3.891	28.7	ADR	33.3	-32.6	4.09	33.49	54	-20.51	-	-	-	-	284	211	V
3	* 12.156	33.86	PK-U	38.8	-25.4	0	47.26	-	-	74	-26.74	-	-	15	276	H
	* 12.156	22.64	ADR	38.8	-25.4	4.09	40.13	54	-13.87	-	-	-	-	15	276	H
6	* 15.722	33.54	PK-U	40.3	-23.9	0	49.94	-	-	74	-24.06	-	-	231	150	V
	* 15.719	22.27	ADR	40.3	-24	4.09	42.66	54	-11.34	-	-	-	-	231	150	V

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

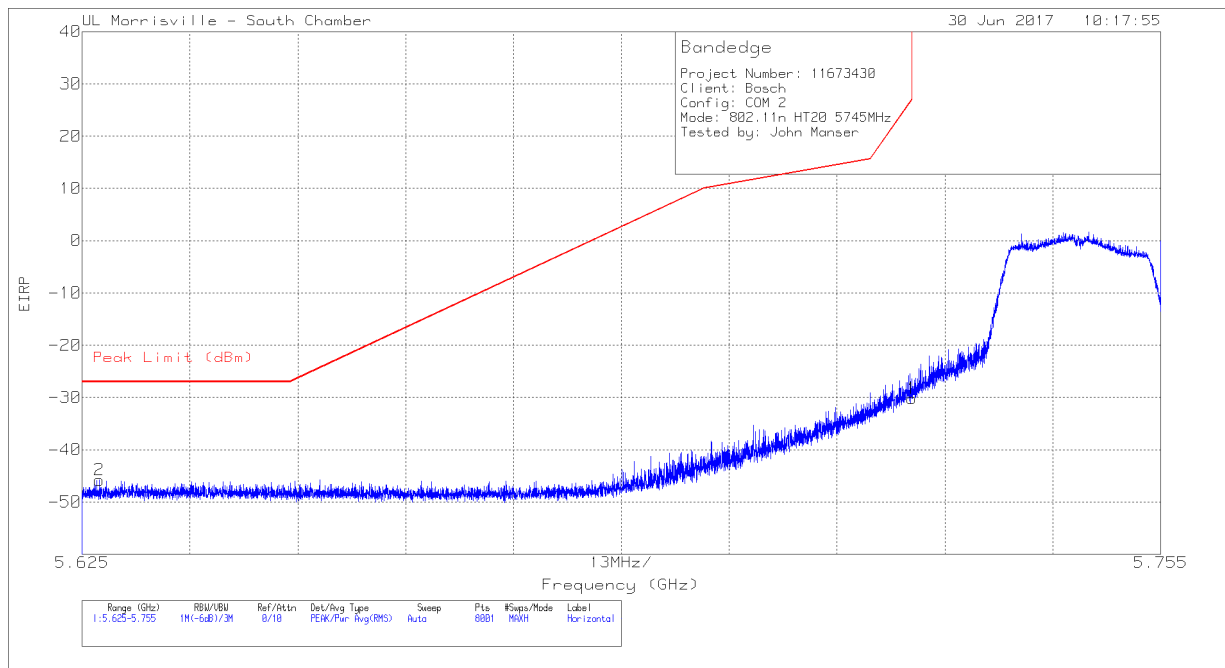
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.

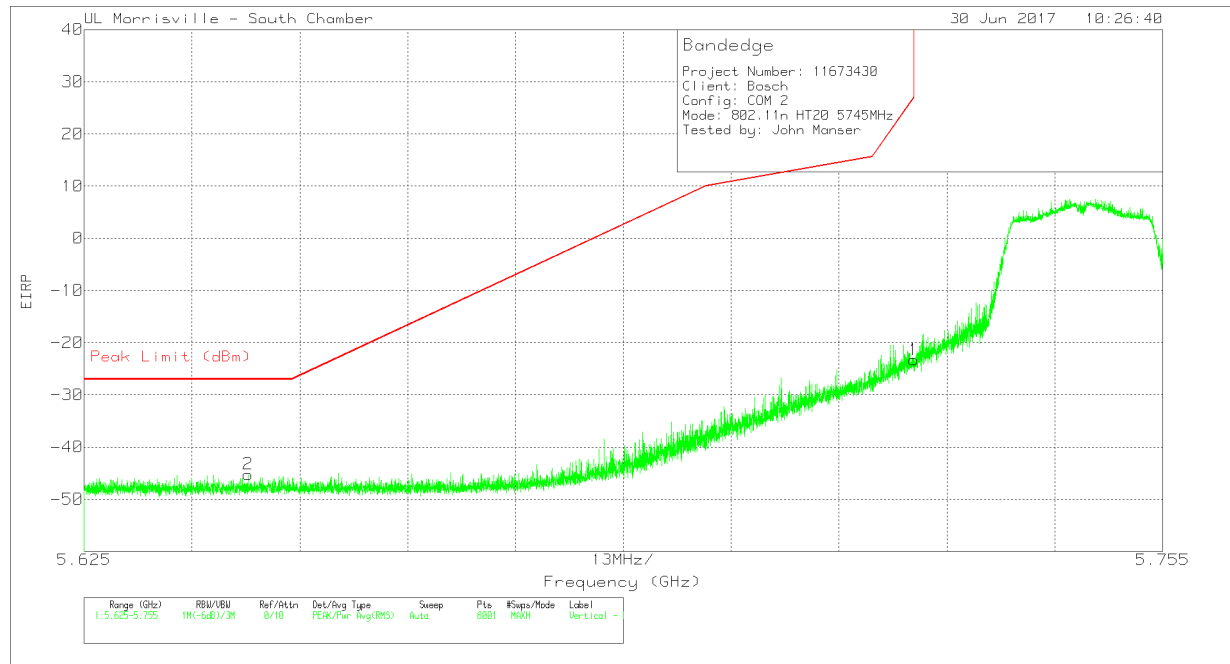


### 9.13. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL INTERNAL CHAIN 0)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (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	5.627	-68.71	Pk	34.6	-23.5	11.8	0	-45.81	-27	-18.81	32	276	H
1	5.725	-53.11	Pk	34.6	-23.5	11.8	0	-30.21	27	-57.21	32	276	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
Pk - Peak detector

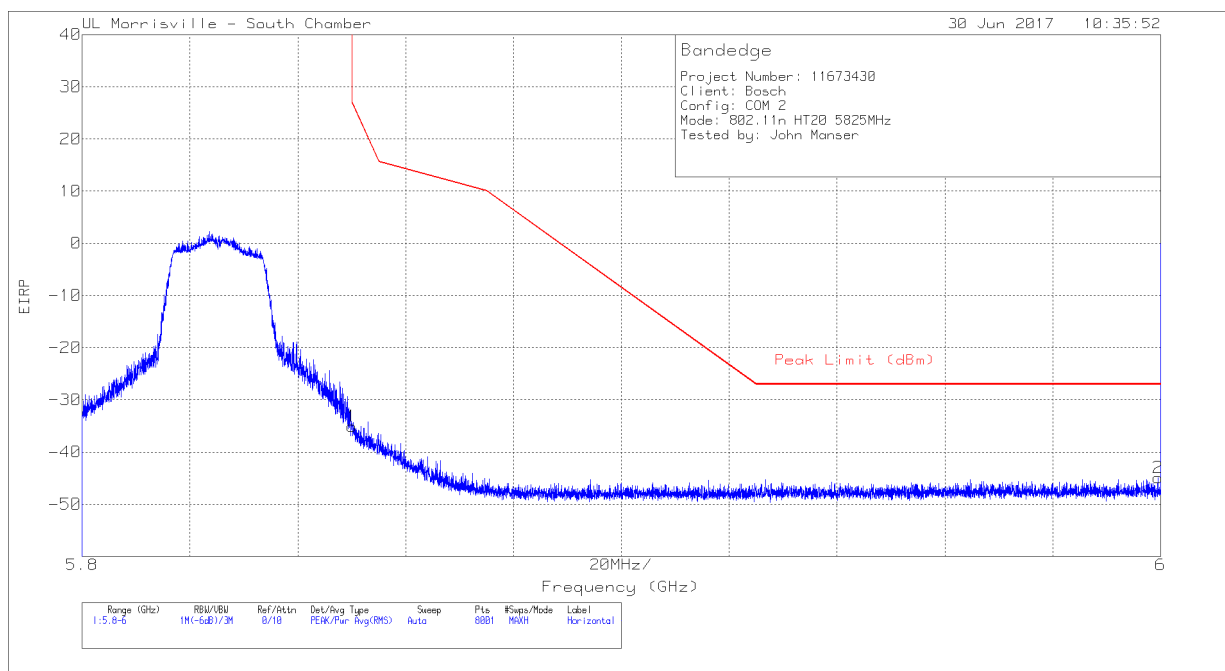


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.645	-68.12	Pk	34.6	-23.5	11.8	0	-45.22	-27	-18.22	138	200	V
1	5.725	-46.2	Pk	34.6	-23.5	11.8	0	-23.3	27	-50.3	138	200	V

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

Pk - Peak detector

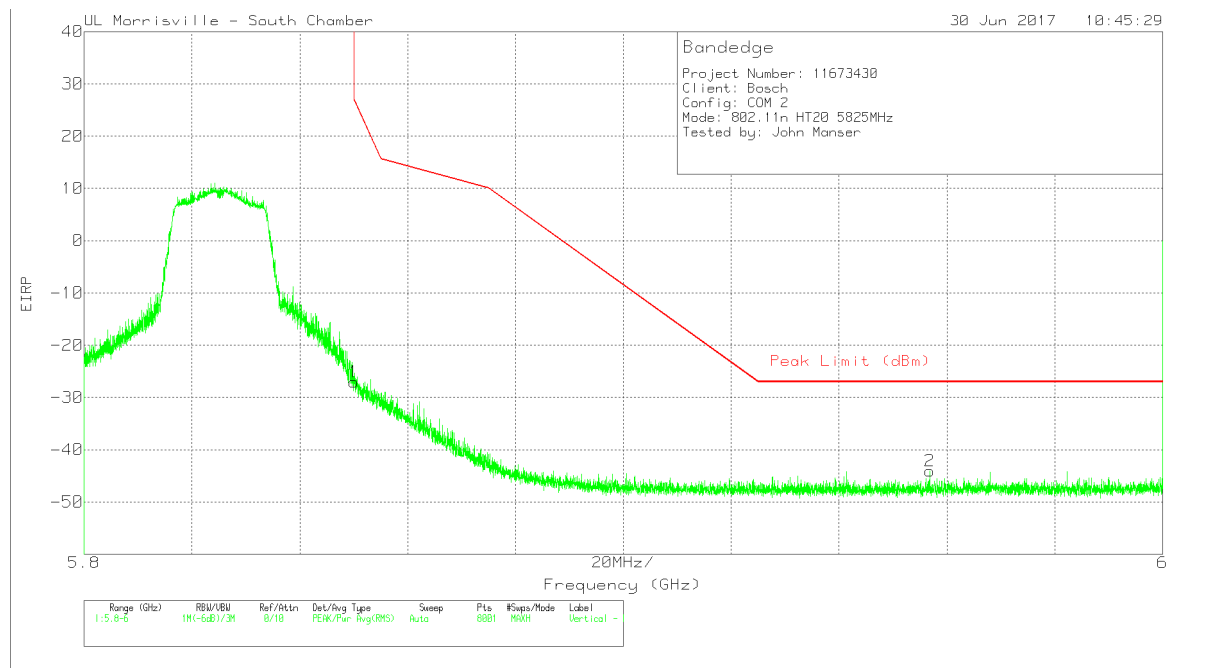
**AUTHORIZED BANDEDGE (HIGH CHANNEL INTERNAL CHAIN 0)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-58.44	Pk	34.8	-23.2	11.8	0	-35.04	26.99	-62.03	0	264	H
2	5.999	-69	Pk	35.1	-22.8	11.8	0	-44.9	-27	-17.9	0	264	H

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

Pk - Peak detector

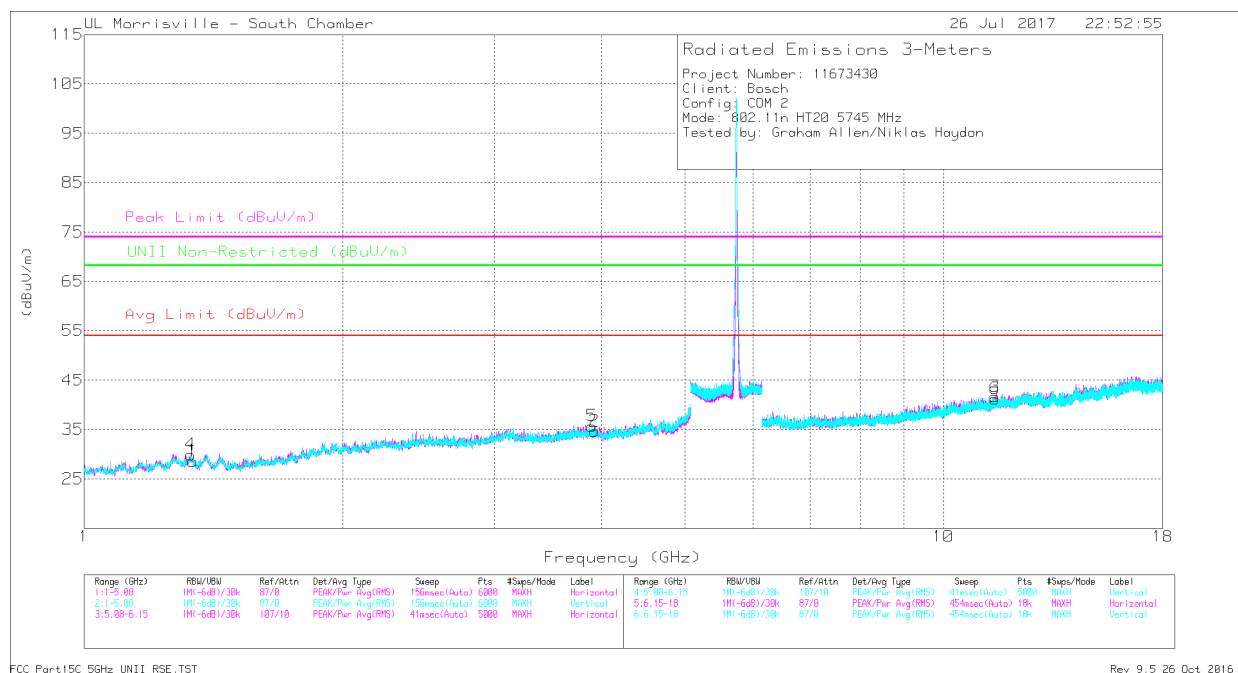


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-50.48	Pk	34.8	-23.2	11.8	0	-27.08	26.99	-54.07	217	104	V
2	5.957	-67.86	Pk	34.9	-22.9	11.8	0	-44.06	-27	-17.06	217	104	V

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

Pk - Peak detector

# **HARMONICS AND SPURIOUS EMISSIONS – INTERNAL CHAIN 0**



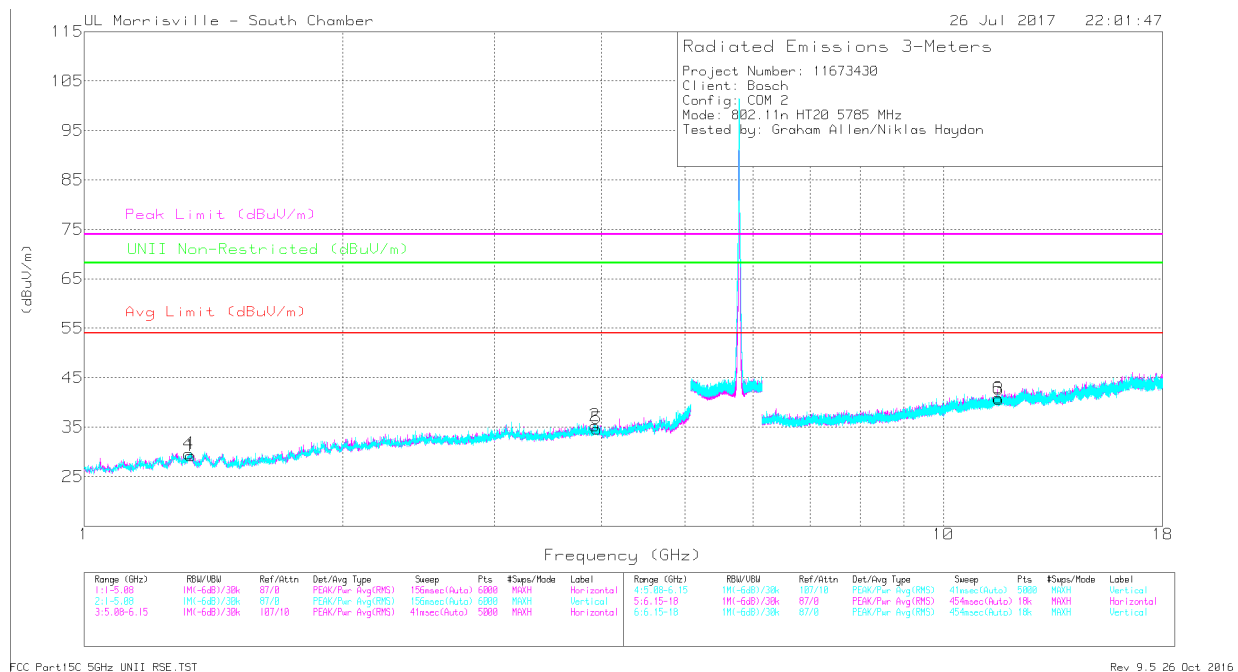
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.337	42.77	PK-U	28.7	-34.8	0	36.67	-	-	74	-37.33	-	-	119	194	H
	* 1.336	30.18	ADR	28.7	-34.8	4.09	28.17	54	-25.83	-	-	-	-	119	194	H
2	* 3.924	40.85	PK-U	33.3	-32.3	0	41.85	-	-	74	-32.15	-	-	245	169	H
	* 3.924	28.58	ADR	33.3	-32.3	4.09	33.67	54	-20.33	-	-	-	-	245	169	H
3	* 11.486	36.43	PK-U	38.3	-24.9	0	49.83	-	-	74	-24.17	-	-	345	111	H
	* 11.487	23.54	ADR	38.3	-24.9	4.09	41.03	54	-12.97	-	-	-	-	345	111	H
4	* 1.33	43	PK-U	28.8	-34.8	0	37	-	-	74	-37	-	-	293	168	V
	* 1.33	30.46	ADR	28.8	-34.8	4.09	28.55	54	-25.45	-	-	-	-	293	168	V
5	* 3.898	40.72	PK-U	33.3	-32.5	0	41.52	-	-	74	-32.48	-	-	65	342	V
	* 3.898	28.45	ADR	33.3	-32.5	4.09	33.34	54	-20.66	-	-	-	-	65	342	V
6	* 11.489	35.5	PK-U	38.3	-24.9	0	48.9	-	-	74	-25.1	-	-	234	252	V
	* 11.49	23.09	ADR	38.3	-24.9	4.09	40.58	54	-13.42	-	-	-	-	234	252	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.



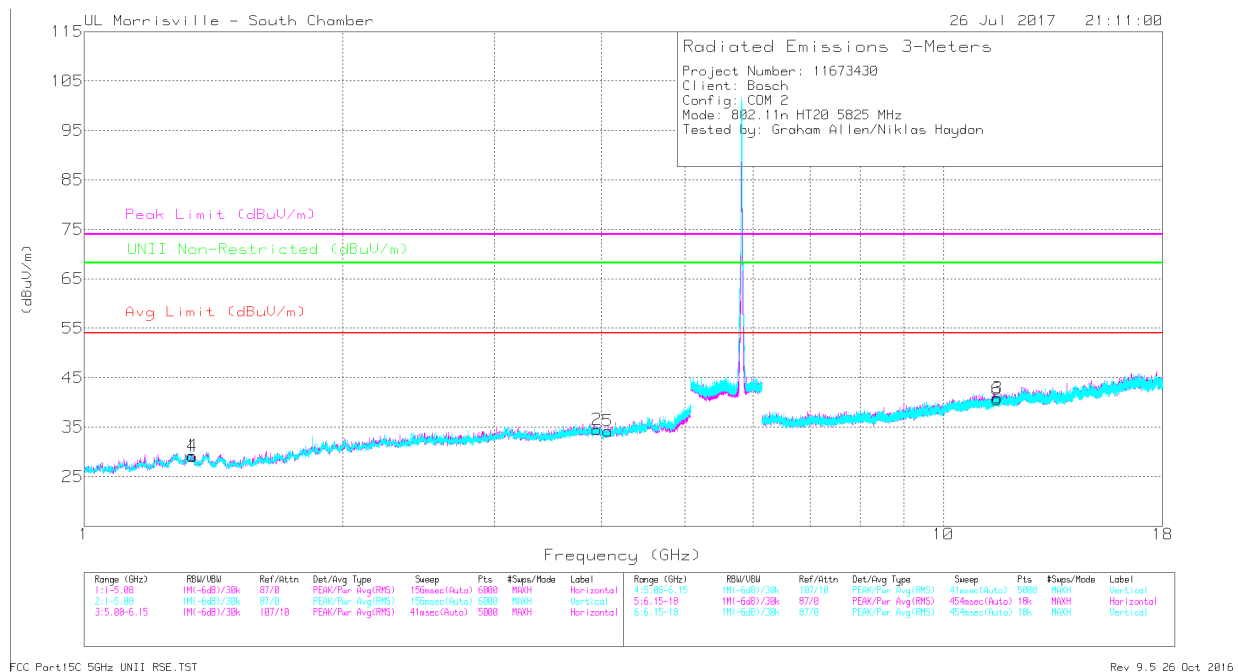
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.332	42.97	PK-U	28.7	-34.8	0	36.87	-	-	74	-37.13	-	-	226	387	H
	* 1.333	30.4	ADR	28.7	-34.8	4.09	28.39	54	-25.61	-	-	-	-	226	387	H
2	* 3.934	40.69	PK-U	33.3	-32.3	0	41.69	-	-	74	-32.31	-	-	348	146	H
	* 3.933	28.54	ADR	33.3	-32.3	4.09	33.63	54	-20.37	-	-	-	-	348	146	H
3	* 11.606	34.91	PK-U	38.4	-25.2	0	48.11	-	-	74	-25.89	-	-	108	211	H
	* 11.606	22.52	ADR	38.4	-25.2	4.09	39.81	54	-14.19	-	-	-	-	108	211	H
4	* 1.323	42.6	PK-U	28.9	-34.9	0	36.6	-	-	74	-37.4	-	-	191	206	V
	* 1.323	30.2	ADR	28.9	-34.9	4.09	28.29	54	-25.71	-	-	-	-	191	206	V
5	* 3.951	40.14	PK-U	33.4	-31.9	0	41.64	-	-	74	-32.36	-	-	97	182	V
	* 3.951	28	ADR	33.4	-31.9	4.09	33.59	54	-20.41	-	-	-	-	97	182	V
6	* 11.587	34.96	PK-U	38.3	-25.1	0	48.16	-	-	74	-25.84	-	-	18	164	V
	* 11.587	22.53	ADR	38.3	-25.1	4.09	39.82	54	-14.18	-	-	-	-	18	164	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.



Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.332	42.71	PK-U	28.7	-34.8	0	36.61	-	-	74	-37.39	-	-	360	299	H
	* 1.332	30.4	ADR	28.7	-34.8	4.09	28.39	54	-25.61	-	-	-	-	360	299	H
2	* 3.953	40.4	PK-U	33.4	-31.9	0	41.9	-	-	74	-32.1	-	-	62	176	H
	* 3.953	27.86	ADR	33.4	-31.9	4.09	33.45	54	-20.55	-	-	-	-	62	176	H
3	* 11.567	34.54	PK-U	38.3	-25.1	0	47.74	-	-	74	-26.26	-	-	151	196	H
	* 11.567	22.42	ADR	38.3	-25.1	4.09	39.71	54	-14.29	-	-	-	-	151	196	H
4	* 1.335	42	PK-U	28.7	-34.8	0	35.9	-	-	74	-38.1	-	-	17	239	V
	* 1.335	30.22	ADR	28.7	-34.8	4.09	28.21	54	-25.79	-	-	-	-	17	239	V
5	* 4.073	40.7	PK-U	33.3	-32.6	0	41.4	-	-	74	-32.6	-	-	272	359	V
	* 4.073	28.19	ADR	33.3	-32.6	4.09	32.98	54	-21.02	-	-	-	-	272	359	V
6	* 11.539	35.05	PK-U	38.3	-24.9	0	48.45	-	-	74	-25.55	-	-	130	230	V
	* 11.54	22.49	ADR	38.3	-24.9	4.09	39.98	54	-14.02	-	-	-	-	130	230	V

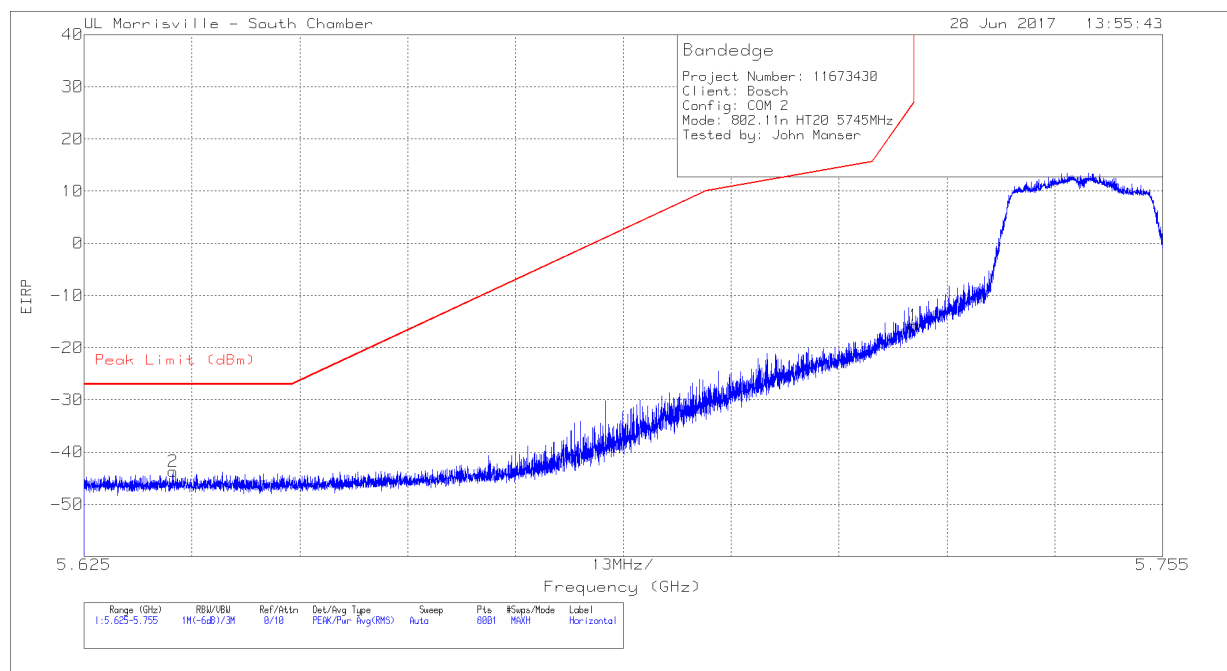
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.

**RESTRICTED BANDEDGE (LOW CHANNEL INTERNAL CHAIN 1)**

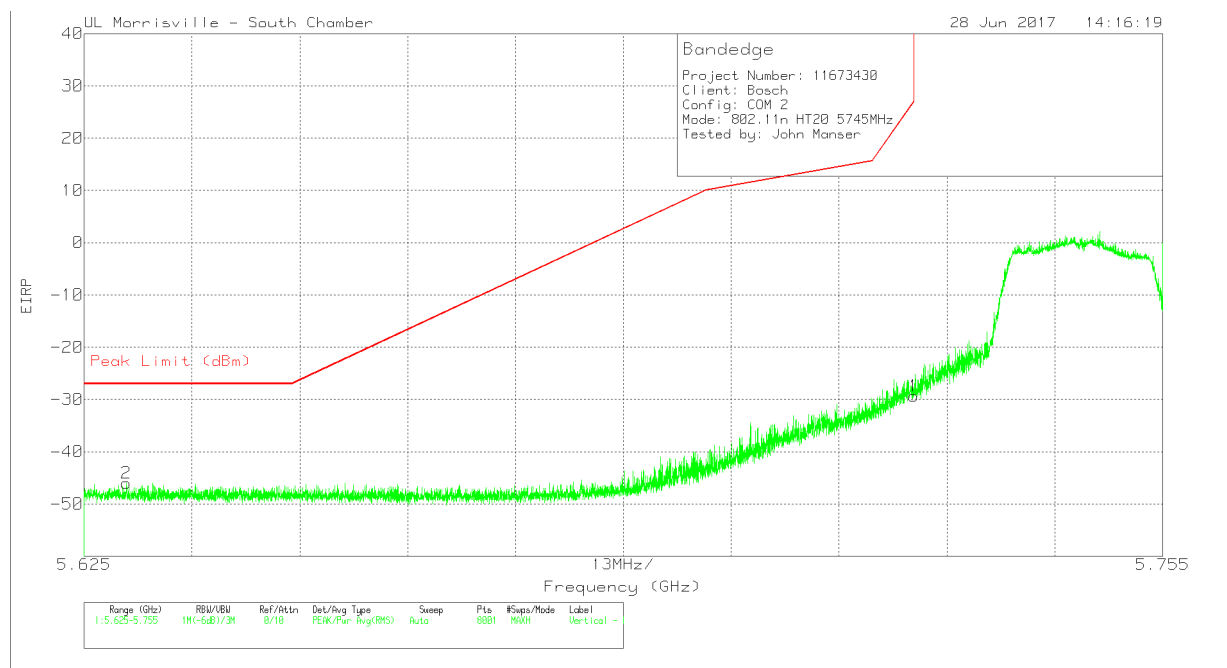


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.636	-66.47	Pk	34.6	-23.6	11.8	0	-43.67	-27	-16.67	352	121	H
1	5.725	-38.66	Pk	34.6	-23.5	11.8	0	-15.76	27	-42.76	352	121	H

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

Pk - Peak detector



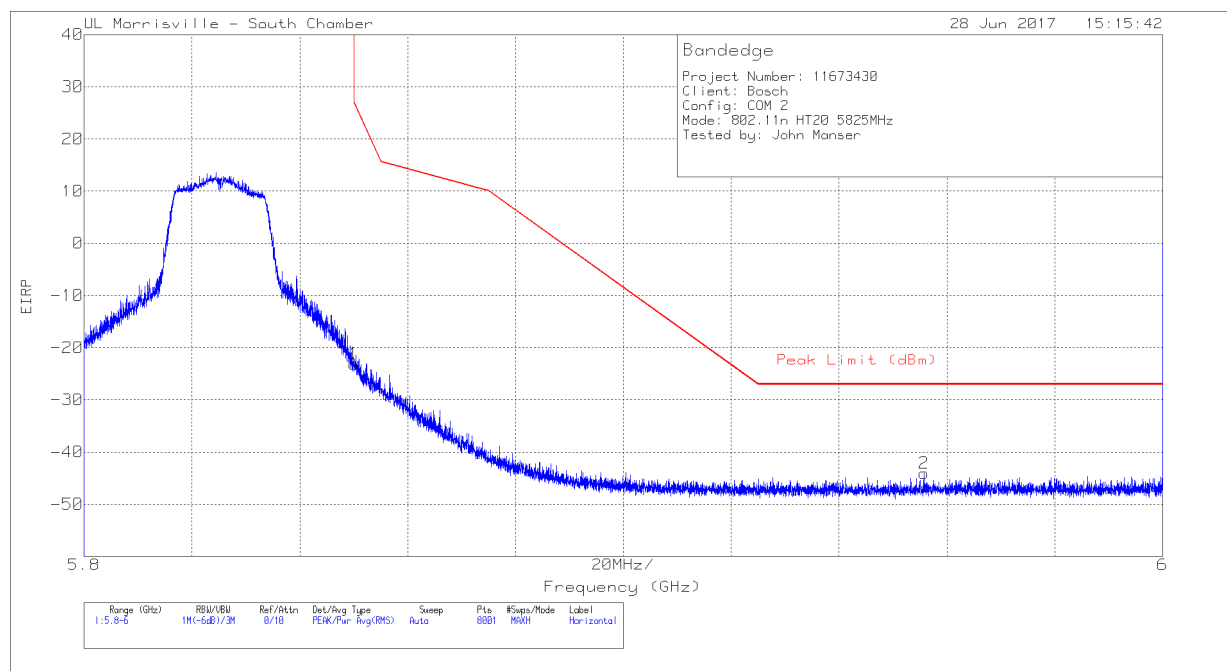


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63	-68.84	Pk	34.6	-23.6	11.8	0	-46.04	-27	-19.04	269	332	V
1	5.725	-52.28	Pk	34.6	-23.5	11.8	0	-29.38	27	-56.38	269	332	V

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

Pk - Peak detector

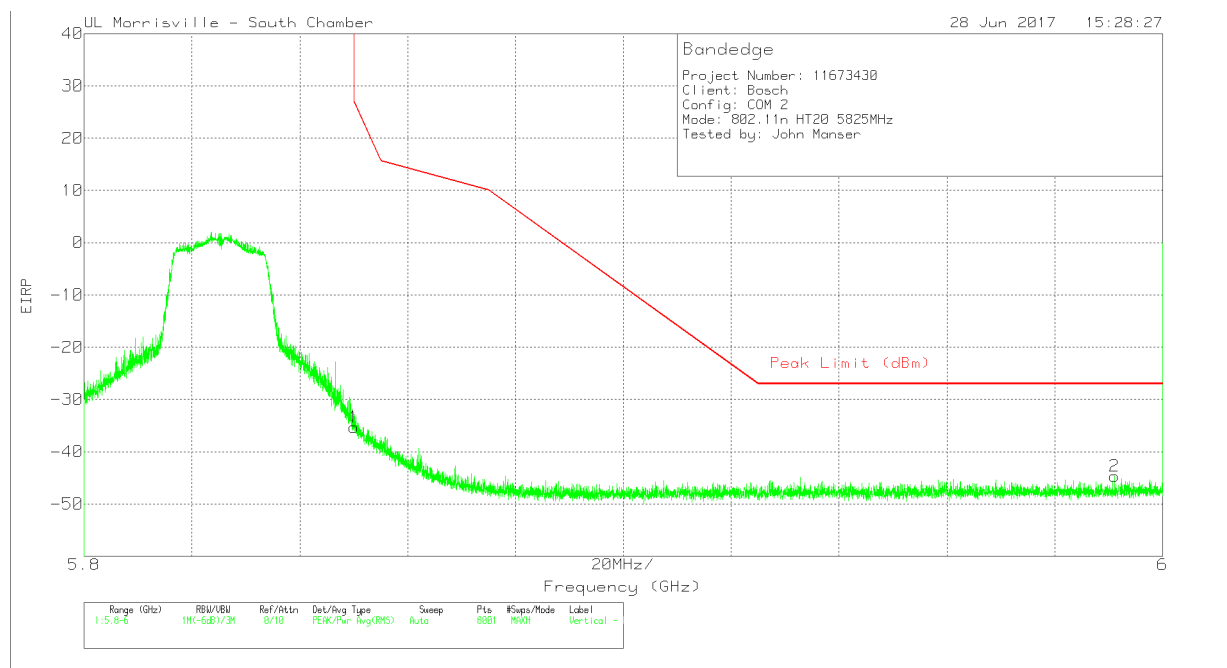
**AUTHORIZED BANDEDGE (HIGH CHANNEL INTERNAL CHAIN 1)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-46.51	Pk	34.8	-23.2	11.8	0	-23.11	26.99	-50.1	343	119	H
2	5.956	-67.84	Pk	34.9	-22.9	11.8	0	-44.04	-27	-17.04	343	119	H

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

Pk - Peak detector

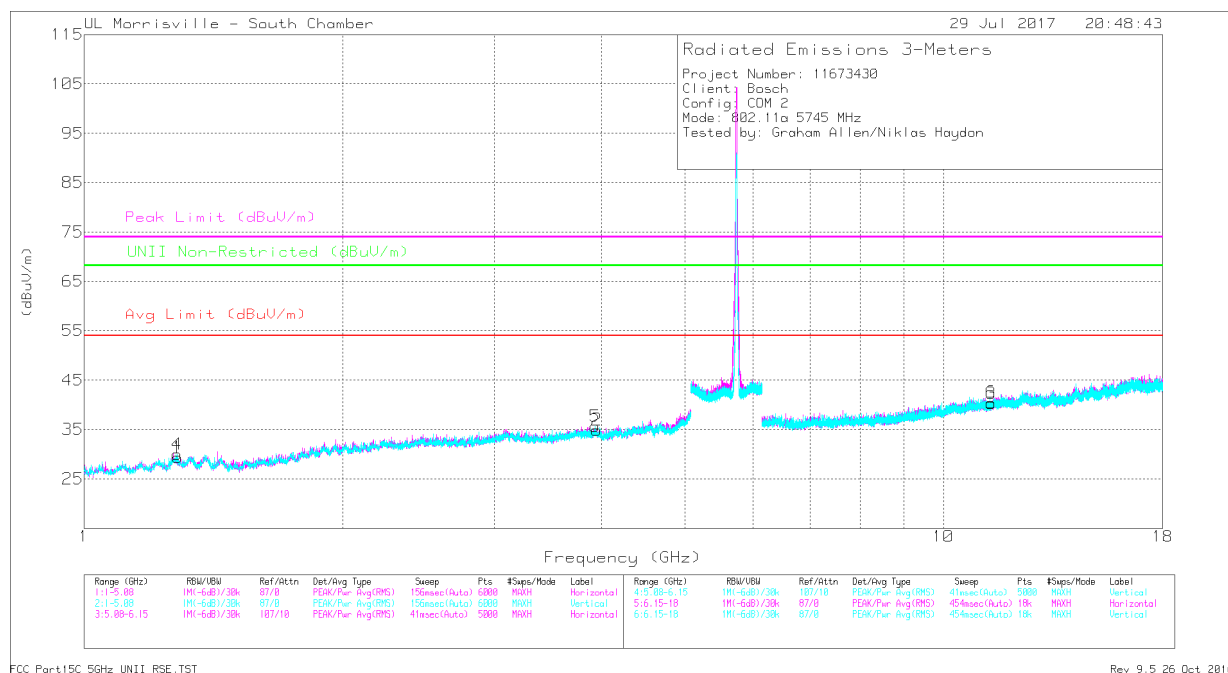


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-58.72	Pk	34.8	-23.2	11.8	0	-35.32	26.99	-62.31	306	282	V
2	5.991	-68.71	Pk	35.1	-22.9	11.8	0	-44.71	-27	-17.71	306	282	V

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

Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS – INTERNAL CHAIN 1



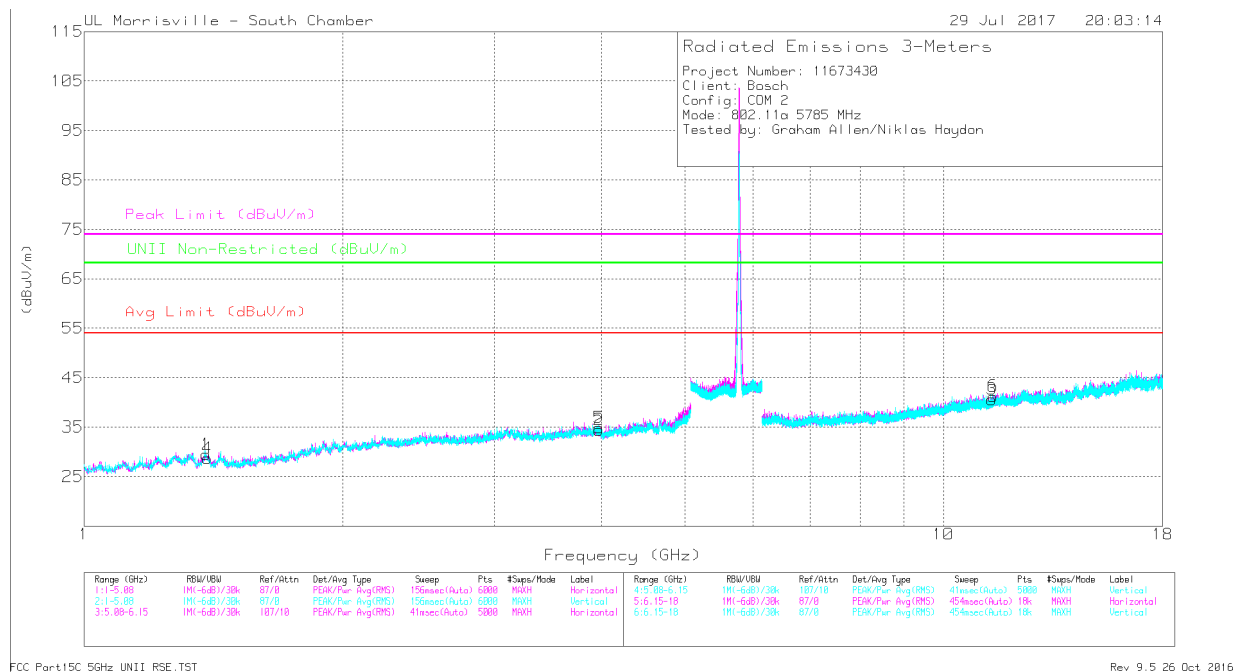
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.284	42.14	PK-U	29	-35.1	0	36.04	-	-	74	-37.96	-	-	187	192	H
	* 1.284	30	ADR	29	-35.1	4.09	27.99	54	-26.01	-	-	-	-	187	192	H
2	* 3.95	39.76	PK-U	33.4	-31.9	0	41.26	-	-	74	-32.74	-	-	108	141	H
	* 3.949	27.87	ADR	33.4	-31.9	4.09	33.46	54	-20.54	-	-	-	-	108	141	H
4	* 1.283	42.62	PK-U	29	-35.1	0	36.52	-	-	74	-37.48	-	-	170	220	V
	* 1.282	30.12	ADR	29	-35.1	4.09	28.11	54	-25.89	-	-	-	-	170	220	V
5	* 3.933	40.6	PK-U	33.3	-32.3	0	41.6	-	-	74	-32.4	-	-	131	369	V
	* 3.932	28.37	ADR	33.3	-32.3	4.09	33.46	54	-20.54	-	-	-	-	131	369	V
3	* 11.371	33.75	PK-U	38.1	-25	0	46.85	-	-	74	-27.15	-	-	131	103	H
	* 11.371	22.69	ADR	38.1	-25	4.09	39.88	54	-14.12	-	-	-	-	131	103	H
6	* 11.367	33.78	PK-U	38.1	-24.9	0	46.98	-	-	74	-27.02	-	-	149	355	V
	* 11.367	22.07	ADR	38.1	-24.9	4.09	39.36	54	-14.64	-	-	-	-	149	355	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.



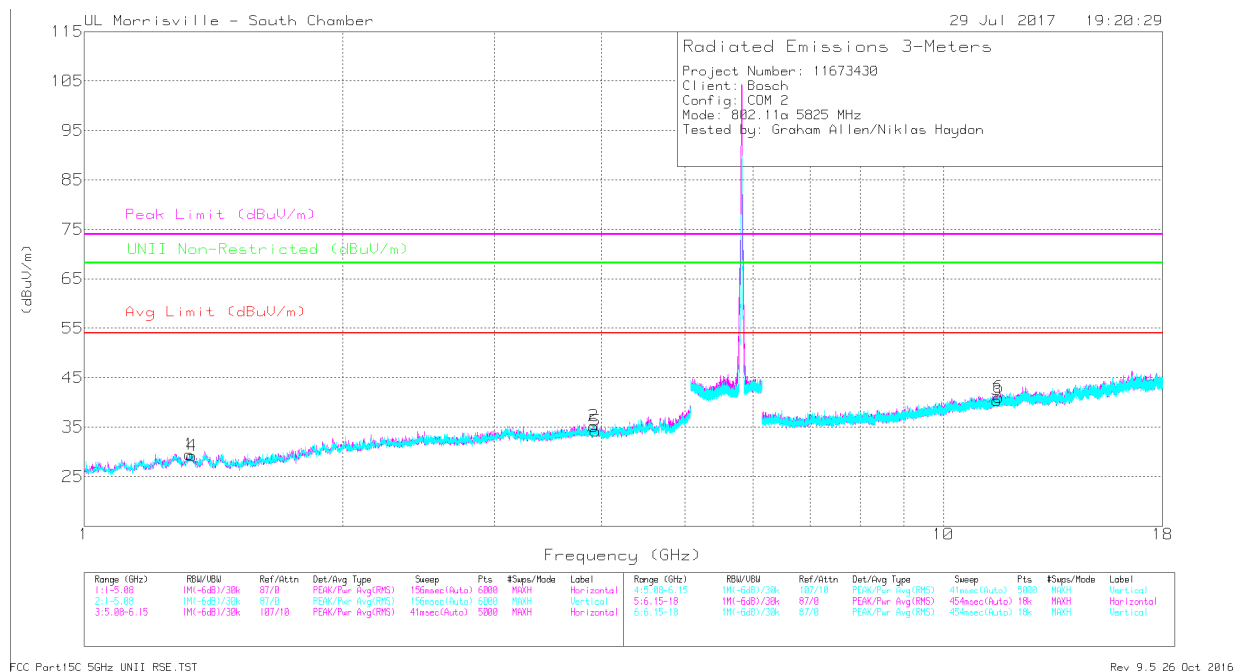
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.385	42.84	PK-U	28.9	-34.8	0	36.94	-	-	74	-37.06	-	-	144	290	H
	* 1.385	30.41	ADR	28.9	-34.8	4.09	28.6	54	-25.4	-	-	-	-	144	290	H
2	* 3.971	40.68	PK-U	33.3	-31.9	0	42.08	-	-	74	-31.92	-	-	73	144	H
	* 3.972	27.87	ADR	33.3	-31.9	4.09	33.36	54	-20.64	-	-	-	-	73	144	H
3	* 11.386	34.43	PK-U	38.1	-25	0	47.53	-	-	74	-26.47	-	-	14	235	H
	* 11.387	22.33	ADR	38.1	-25	4.09	39.52	54	-14.48	-	-	-	-	14	235	H
4	* 1.39	42.43	PK-U	28.8	-34.8	0	36.43	-	-	74	-37.57	-	-	337	350	V
	* 1.39	30.33	ADR	28.8	-34.8	4.09	28.42	54	-25.58	-	-	-	-	337	350	V
5	* 3.976	40.22	PK-U	33.3	-32	0	41.52	-	-	74	-32.48	-	-	349	300	V
	* 3.975	27.98	ADR	33.3	-31.9	4.09	33.47	54	-20.53	-	-	-	-	349	300	V
6	* 11.428	34.15	PK-U	38.2	-25.1	0	47.25	-	-	74	-26.75	-	-	294	134	V
	* 11.428	21.82	ADR	38.2	-25.1	4.09	39.01	54	-14.99	-	-	-	-	294	134	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.



Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.328	42.33	PK-U	28.8	-34.9	0	36.23	-	-	74	-37.77	-	-	186	143	H
	* 1.328	30.28	ADR	28.8	-34.9	4.09	28.27	54	-25.73	-	-	-	-	186	143	H
2	* 3.921	40.94	PK-U	33.3	-32.4	0	41.84	-	-	74	-32.16	-	-	296	217	H
	* 3.921	28.54	ADR	33.3	-32.4	4.09	33.53	54	-20.47	-	-	-	-	296	217	H
3	* 11.545	34.94	PK-U	38.3	-24.9	0	48.34	-	-	74	-25.66	-	-	232	381	H
	* 11.545	22.51	ADR	38.3	-24.9	4.09	40	54	-14	-	-	-	-	232	381	H
4	* 1.336	42.56	PK-U	28.7	-34.8	0	36.46	-	-	74	-37.54	-	-	14	114	V
	* 1.337	30.09	ADR	28.7	-34.8	4.09	28.08	54	-25.92	-	-	-	-	14	114	V
5	* 3.937	40.64	PK-U	33.3	-32.2	0	41.74	-	-	74	-32.26	-	-	271	270	V
	* 3.936	28.41	ADR	33.3	-32.2	4.09	33.6	54	-20.4	-	-	-	-	271	270	V
6	* 11.602	34.28	PK-U	38.3	-25.2	0	47.38	-	-	74	-26.62	-	-	38	271	V
	* 11.602	22.5	ADR	38.3	-25.2	4.09	39.69	54	-14.31	-	-	-	-	38	271	V

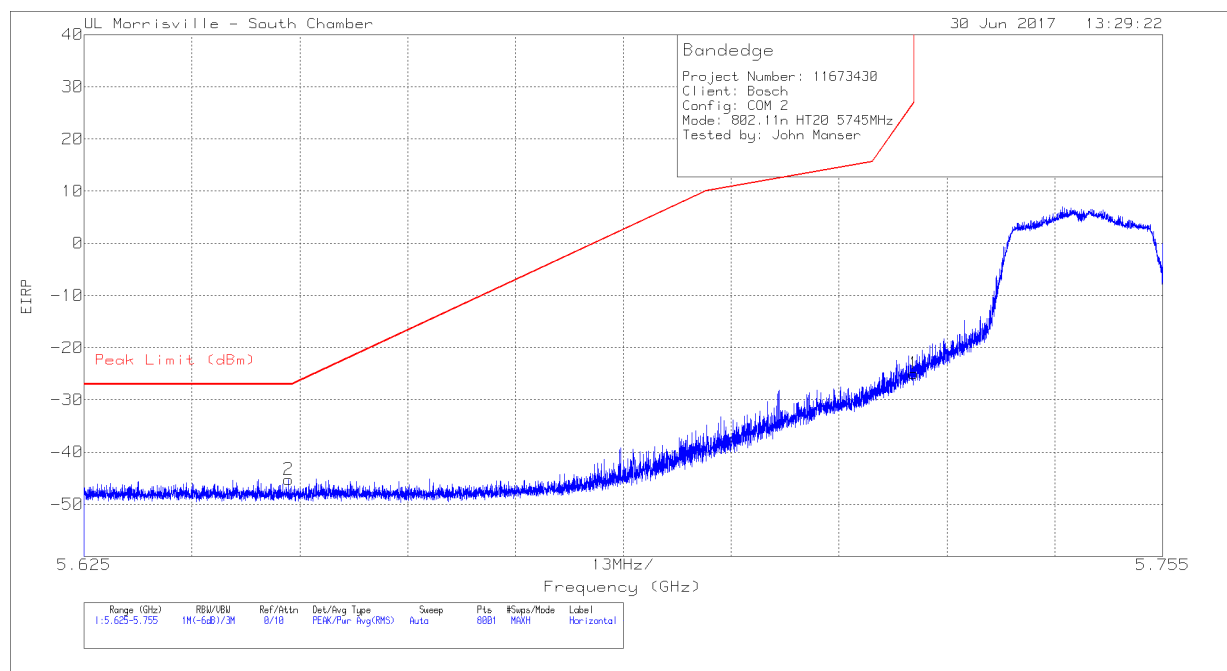
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.

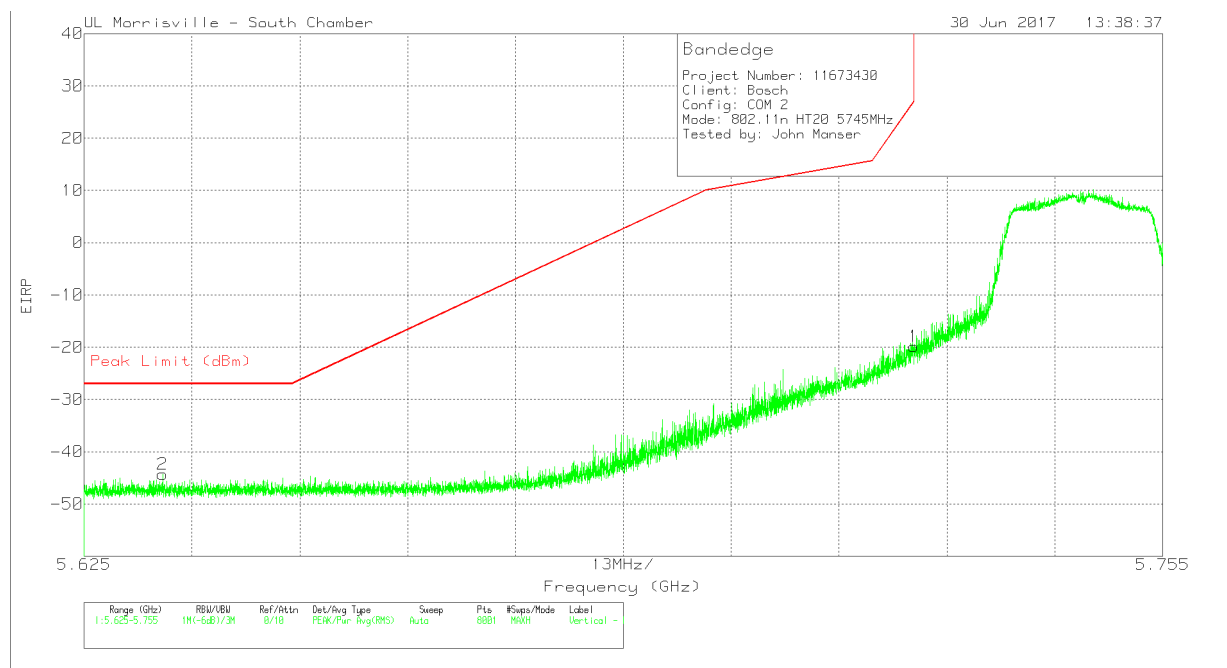
**RESTRICTED BANDEDGE (LOW CHANNEL EXTERNAL CHAIN 0)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (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	5.65	-68.13	Pk	34.6	-23.5	11.8	0	-45.23	-27	-18.23	44	210	H
1	5.725	-47.82	Pk	34.6	-23.5	11.8	0	-24.92	27	-51.92	44	210	H

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

Pk - Peak detector



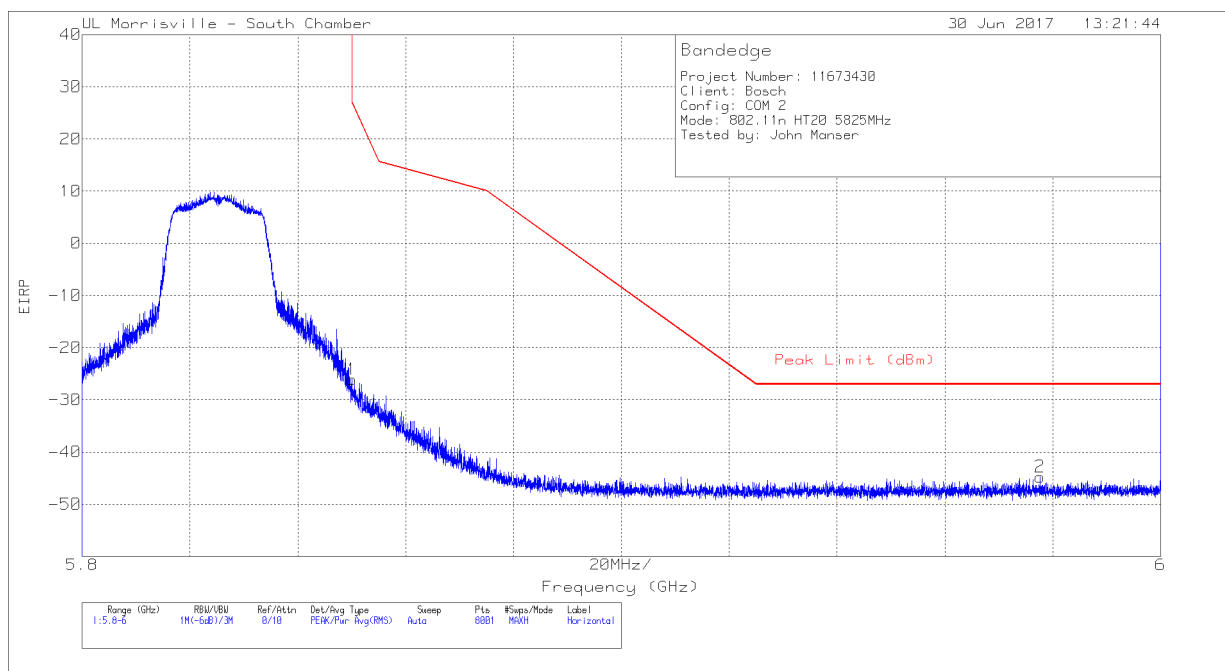
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.634	-67.1	Pk	34.6	-23.6	11.8	0	-44.3	-27	-17.3	239	113	V
1	5.725	-42.75	Pk	34.6	-23.5	11.8	0	-19.85	27	-46.85	239	113	V

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

Pk - Peak detector



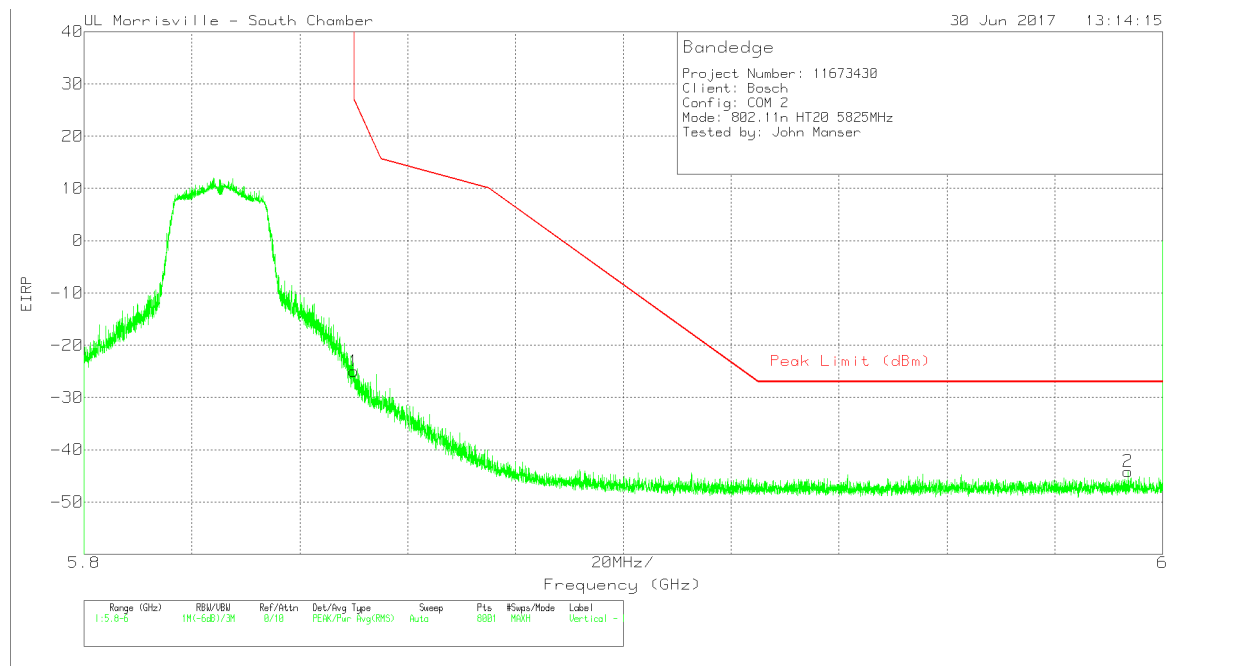
**AUTHORIZED BANDEDGE (HIGH CHANNEL EXTERNAL CHAIN 0)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-49.48	Pk	34.8	-23.2	11.8	0	-26.08	26.99	-53.07	102	115	H
2	5.978	-68.64	Pk	35	-22.9	11.8	0	-44.74	-27	-17.74	102	115	H

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

Pk - Peak detector

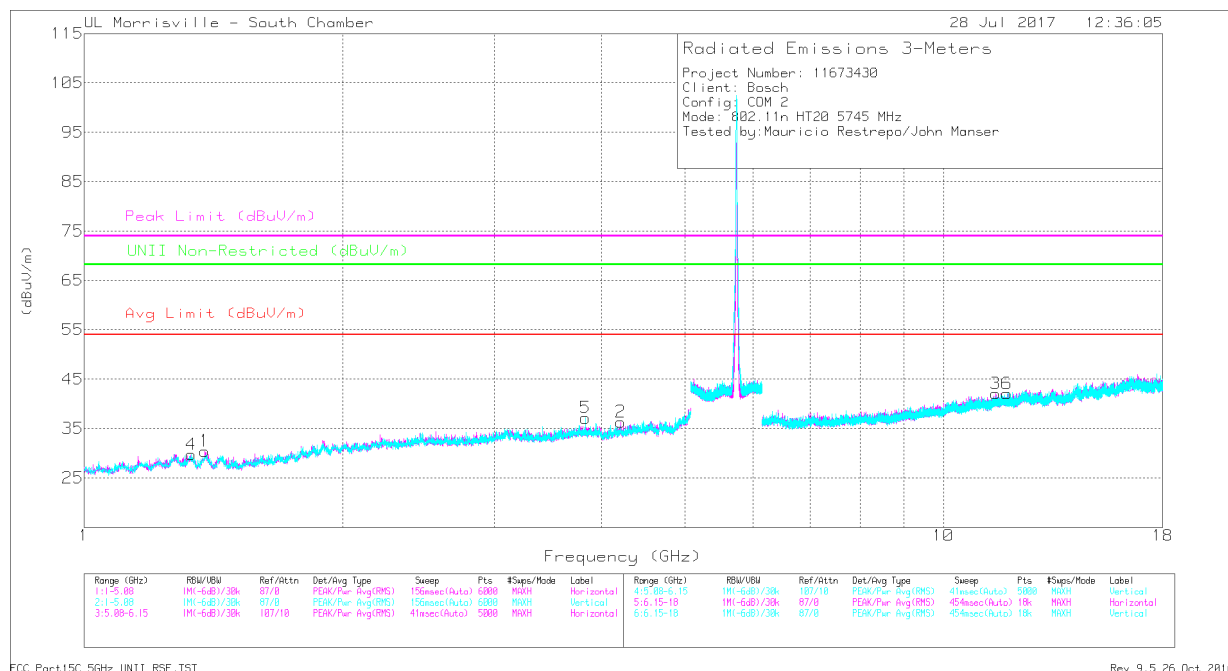


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-48.37	Pk	34.8	-23.2	11.8	0	-24.97	26.99	-51.96	126	255	V
2	5.994	-68.23	Pk	35.1	-22.8	11.8	0	-44.13	-27	-17.13	126	255	V

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

Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS – EXTERNAL CHAIN 0



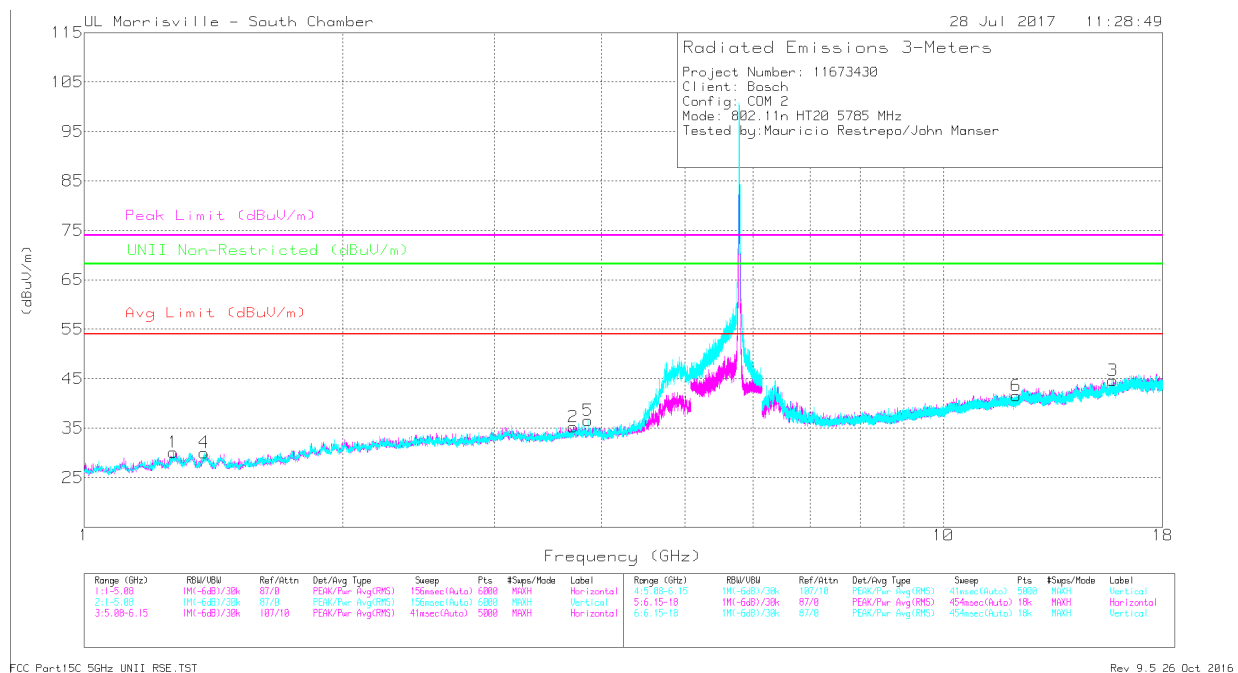
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.381	42.77	PK-U	28.9	-34.8	0	36.87	-	-	74	-37.13	-	-	159	348	H
	* 1.383	30.39	ADR	28.9	-34.8	4.09	28.58	54	-25.42	-	-	-	-	159	348	H
2	* 4.213	40.57	PK-U	33.3	-31.9	0	41.97	-	-	74	-32.03	-	-	264	327	H
	* 4.212	28.39	ADR	33.3	-31.9	4.09	33.88	54	-20.12	-	-	-	-	264	327	H
4	* 1.331	43.04	PK-U	28.7	-34.8	0	36.94	-	-	74	-37.06	-	-	30	279	V
	* 1.331	30.47	ADR	28.8	-34.8	4.09	28.56	54	-25.44	-	-	-	-	30	279	V
5	* 3.83	42.57	PK-U	33.4	-33	0	42.97	-	-	74	-31.03	-	-	235	106	V
	* 3.83	33.87	ADR	33.4	-33	4.09	38.36	54	-15.64	-	-	-	-	235	106	V
3	* 11.509	34.18	PK-U	38.3	-24.9	0	47.58	-	-	74	-26.42	-	-	112	112	H
	* 11.513	22.69	ADR	38.3	-24.9	4.09	40.18	54	-13.82	-	-	-	-	112	112	H
6	* 11.856	34.28	PK-U	38.6	-25.2	0	47.68	-	-	74	-26.32	-	-	29	325	V
	* 11.859	22.08	ADR	38.6	-25.2	4.09	39.57	54	-14.43	-	-	-	-	29	325	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.



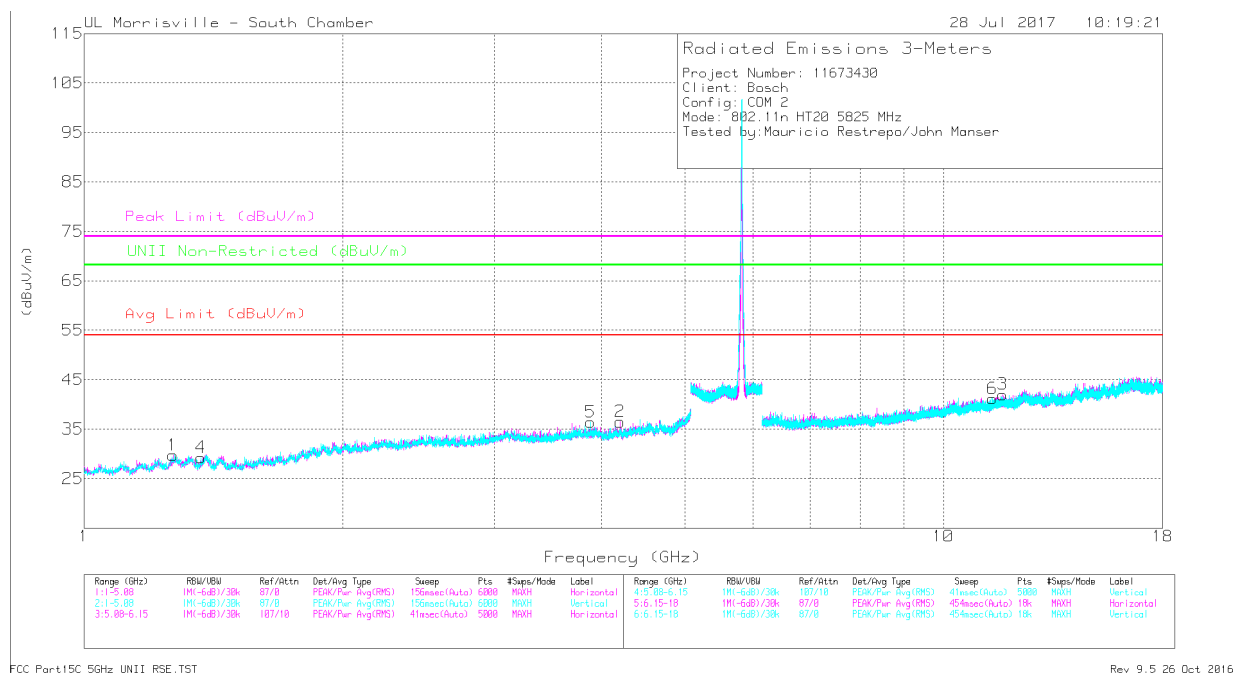
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.271	42.42	PK-U	29	-35.1	0	36.32	-	-	74	-37.68	-	-	292	229	H
	* 1.271	30.42	ADR	29	-35.1	4.09	28.41	54	-25.59	-	-	-	-	292	229	H
2	* 3.71	40.61	PK-U	33.2	-32.6	0	41.21	-	-	74	-32.79	-	-	345	331	H
	* 3.711	28.82	ADR	33.2	-32.6	4.09	33.51	54	-20.49	-	-	-	-	345	331	H
4	* 1.378	42.51	PK-U	28.9	-34.8	0	36.61	-	-	74	-37.39	-	-	144	329	V
	* 1.38	30.07	ADR	28.9	-34.8	4.09	28.26	54	-25.74	-	-	-	-	144	329	V
5	* 3.857	41.88	PK-U	33.3	-32.9	0	42.28	-	-	74	-31.72	-	-	236	124	V
	* 3.857	33.8	ADR	33.3	-32.9	4.09	38.29	54	-15.71	-	-	-	-	236	124	V
3	* 15.748	33.91	PK-U	40.3	-24.1	0	50.11	-	-	74	-23.89	-	-	53	144	H
	* 15.747	22.27	ADR	40.3	-24.1	4.09	42.56	54	-11.44	-	-	-	-	53	144	H
6	* 12.148	34.09	PK-U	38.8	-25.4	0	47.49	-	-	74	-26.51	-	-	1	124	V
	* 12.15	22.67	ADR	38.8	-25.4	4.09	40.16	54	-13.84	-	-	-	-	1	124	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Fitr/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	* 1.269	43.19	PK-U	29	-35.2	0	36.99	-	-	74	-37.01	-	-	342	285	H
	* 1.271	30.37	ADR	29	-35.1	4.09	28.36	54	-25.64	-	-	-	-	342	285	H
2	* 4.202	40.82	PK-U	33.3	-31.9	0	42.22	-	-	74	-31.78	-	-	8	222	H
	* 4.205	28.8	ADR	33.3	-31.9	4.09	34.29	54	-19.71	-	-	-	-	8	222	H
4	* 1.366	41.37	PK-U	28.8	-34.8	0	35.37	-	-	74	-38.63	-	-	241	122	V
	* 1.37	29.17	ADR	28.9	-34.8	4.09	27.36	54	-26.64	-	-	-	-	241	122	V
5	* 3.884	41.55	PK-U	33.3	-32.7	0	42.15	-	-	74	-31.85	-	-	237	117	V
	* 3.885	31.6	ADR	33.3	-32.7	4.09	36.29	54	-17.71	-	-	-	-	237	117	V
3	* 11.725	34.24	PK-U	38.5	-24.7	0	48.04	-	-	74	-25.96	-	-	40	135	H
	* 11.726	22.4	ADR	38.5	-24.7	4.09	40.29	54	-13.71	-	-	-	-	40	135	H
6	* 11.406	35.15	PK-U	38.1	-25.1	0	48.15	-	-	74	-25.85	-	-	190	269	V
	* 11.408	22.51	ADR	38.2	-25.1	4.09	39.7	54	-14.3	-	-	-	-	190	269	V

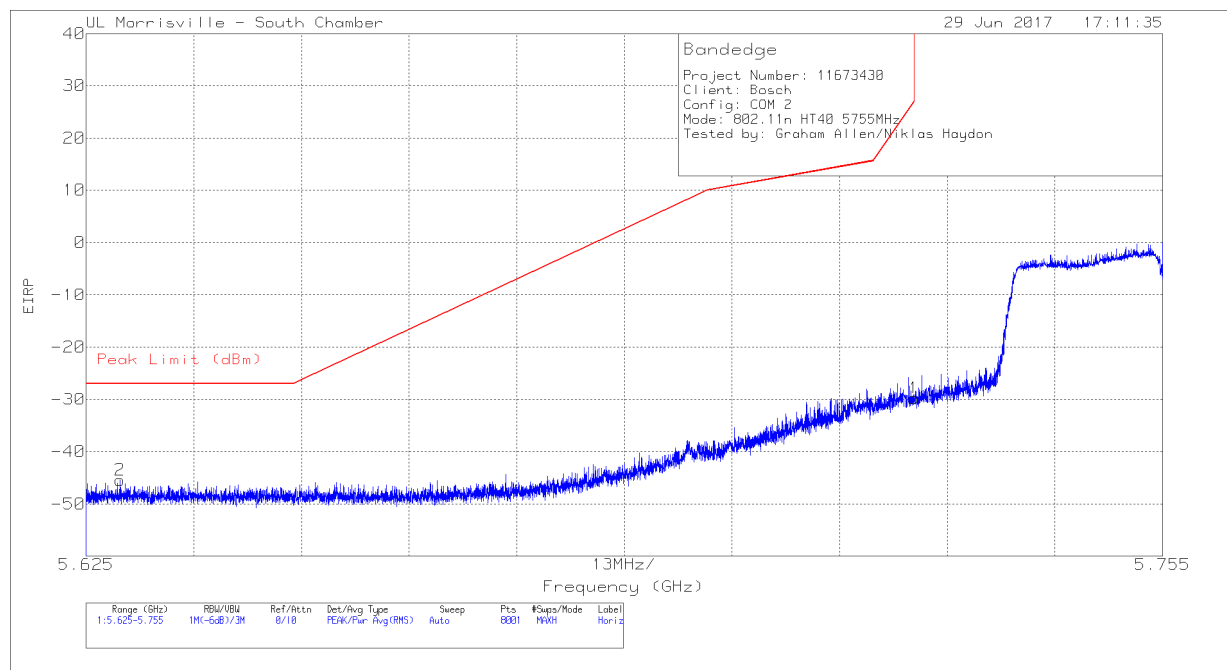
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.

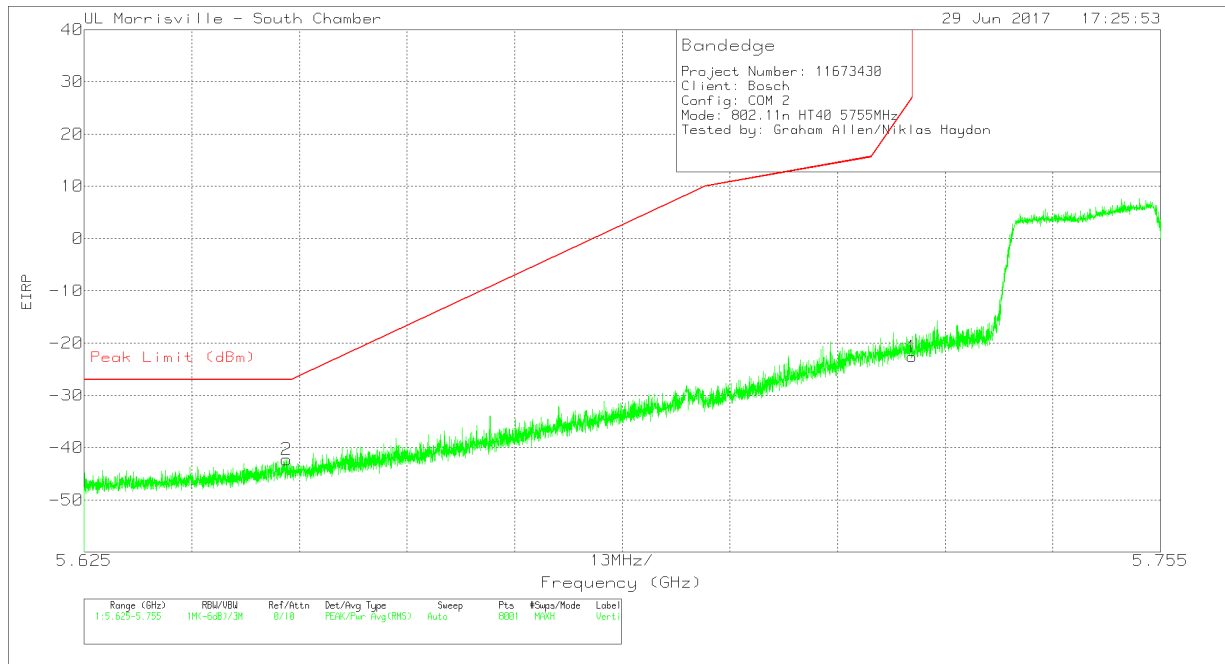
# **9.14. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND** **RESTRICTED BANDEDGE (LOW CHANNEL INTERNAL CHAIN 0)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (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	5.629	-68.25	Pk	34.6	-23.6	11.8	0	-45.45	-27	-18.45	239	343	H
1	5.725	-52.66	Pk	34.6	-23.5	11.8	0	-29.76	27	-56.76	239	343	H

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

Pk - Peak detector

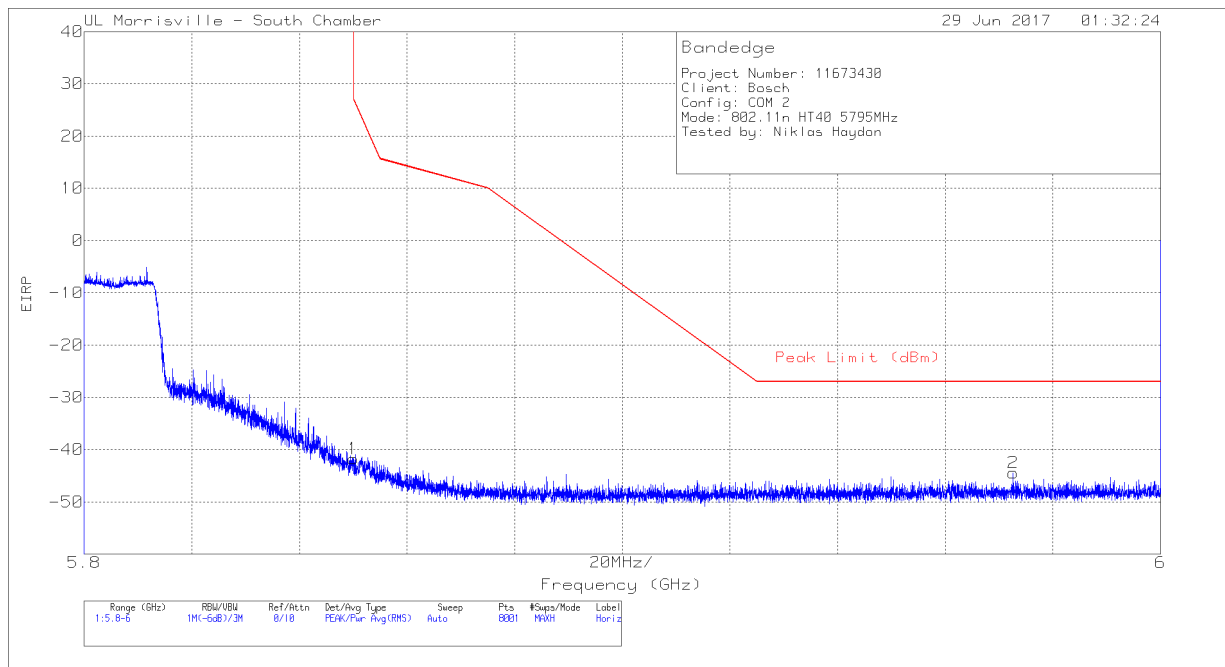


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.649	-65.18	Pk	34.6	-23.5	11.8	0	-42.28	-27	-15.28	124	108	V
1	5.725	-45.48	Pk	34.6	-23.5	11.8	0	-22.58	27	-49.58	124	108	V

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

Pk - Peak detector

**AUTHORIZED BANDEGE (HIGH CHANNEL INTERNAL CHAIN 0)**

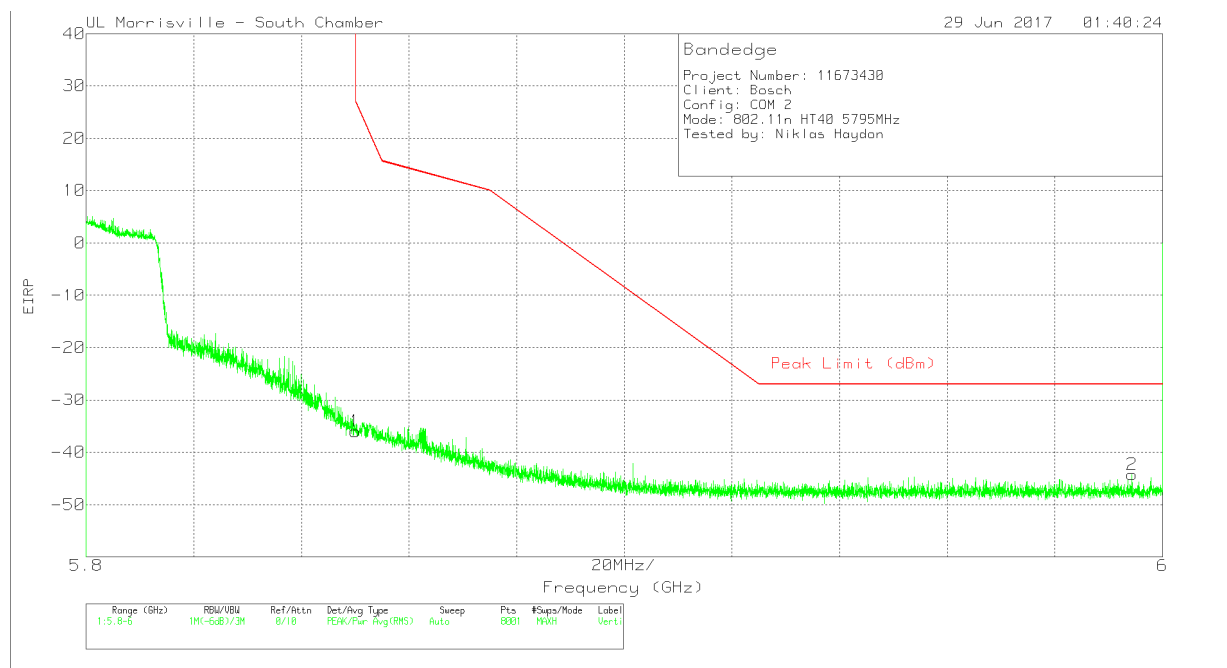


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.17	Pk	34.8	-23.2	11.8	0	-41.77	26.99	-68.76	233	386	H
2	5.973	-68.32	Pk	35	-22.9	11.8	0	-44.42	-27	-17.42	233	386	H

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

Pk - Peak detector



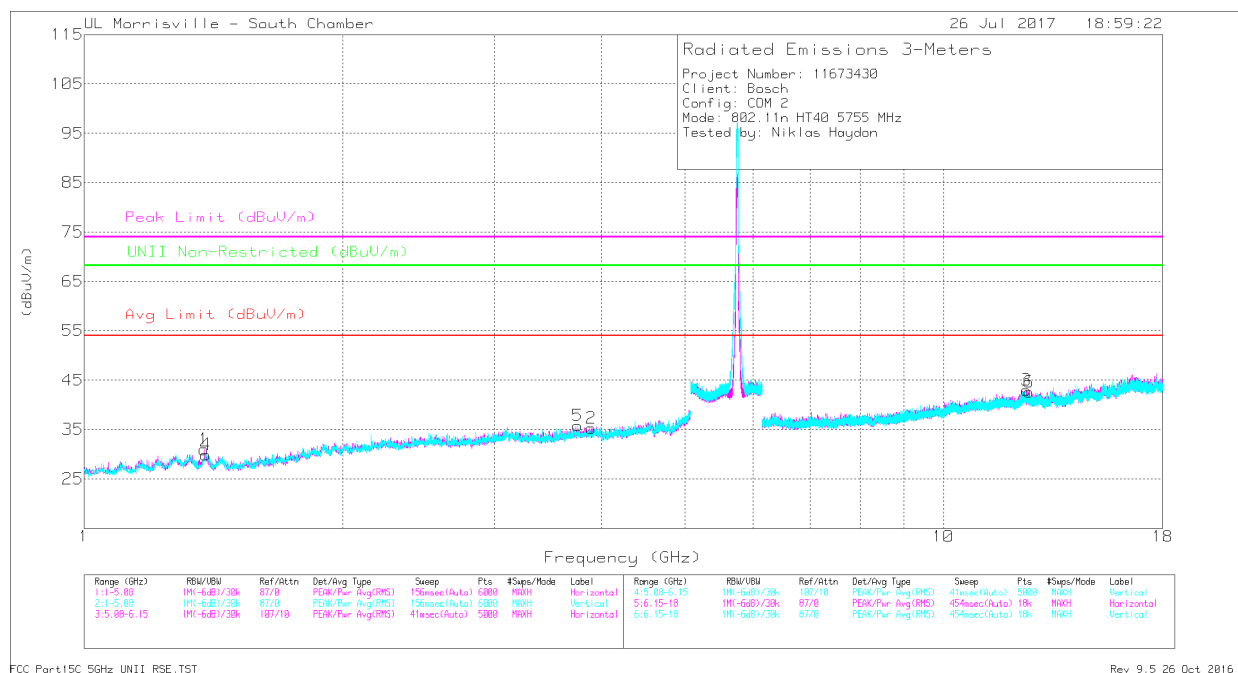


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-59.39	Pk	34.8	-23.2	11.8	0	-35.99	26.99	-62.98	237	131	V
2	5.994	-68.36	Pk	35.1	-22.8	11.8	0	-44.26	-27	-17.26	237	131	V

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

Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS – INTERNAL CHAIN 0

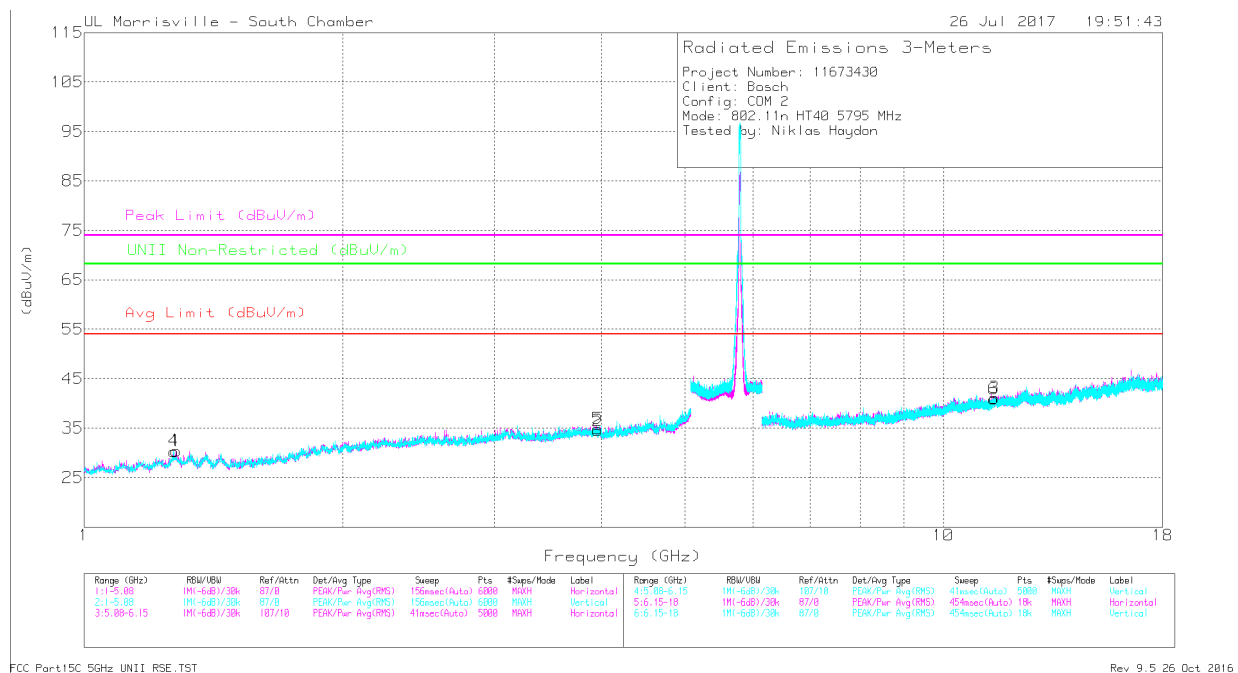


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.378	42.59	PK-U	28.9	-34.8	0	36.69	-	-	74	-37.31	-	-	134	245	H
	* 1.381	30.24	ADR	28.9	-34.8	4.09	28.43	54	-25.57	-	-	-	-	134	245	H
2	* 3.893	40.15	PK-U	33.3	-32.6	0	40.85	-	-	74	-33.15	-	-	38	191	H
	* 3.89	28.71	ADR	33.3	-32.7	4.09	33.4	54	-20.6	-	-	-	-	38	191	H
3	* 12.496	34.01	PK-U	38.9	-24.6	0	48.31	-	-	74	-25.69	-	-	40	108	H
	* 12.498	22.48	ADR	38.9	-24.6	4.09	40.87	54	-13.13	-	-	-	-	40	108	H
4	* 1.386	42.14	PK-U	28.9	-34.8	0	36.24	-	-	74	-37.76	-	-	223	278	V
	* 1.383	30.42	ADR	28.9	-34.8	4.09	28.61	54	-25.39	-	-	-	-	223	278	V
5	* 3.755	40.58	PK-U	33.4	-32.9	0	41.08	-	-	74	-32.92	-	-	282	168	V
	* 3.755	28.97	ADR	33.4	-32.9	4.09	33.56	54	-20.44	-	-	-	-	282	168	V
6	* 12.583	34.24	PK-U	39	-24.9	0	48.34	-	-	74	-25.66	-	-	166	329	V
	* 12.584	22.16	ADR	39	-24.9	4.09	40.35	54	-13.65	-	-	-	-	166	329	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



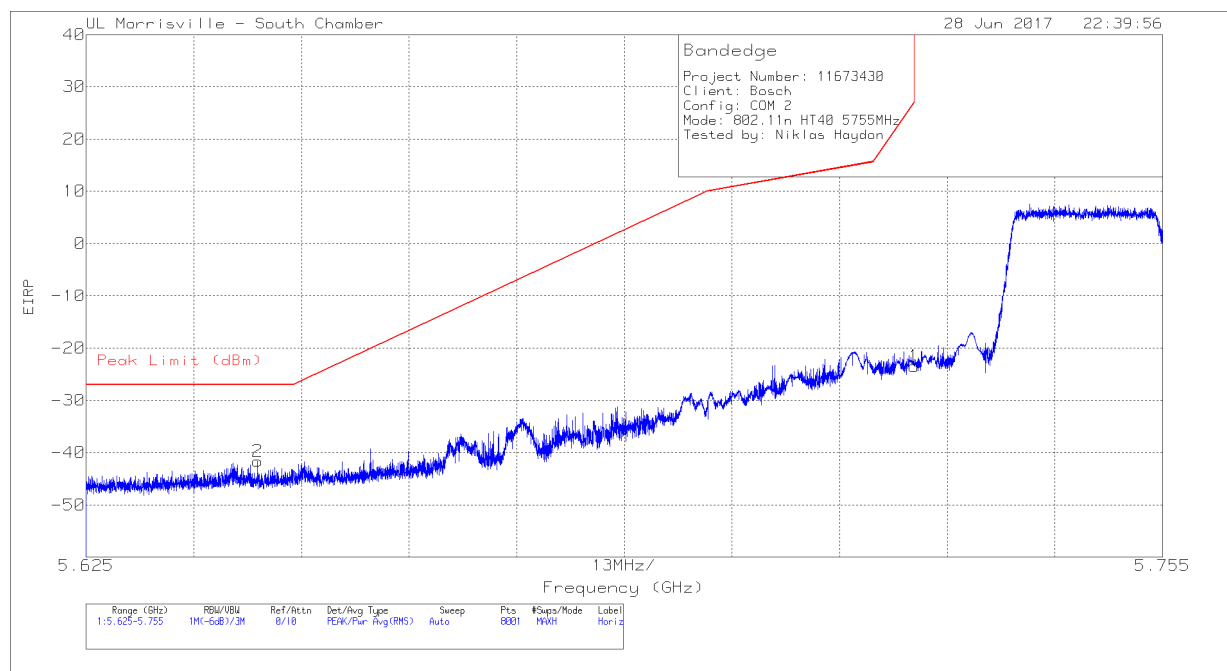
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.279	42.56	PK-U	29	-35.1	0	36.46	-	-	74	-37.54	-	-	150	186	H
	* 1.279	30.4	ADR	29	-35.1	4.09	28.39	54	-25.61	-	-	-	-	150	186	H
2	* 3.96	39.85	PK-U	33.3	-31.9	0	41.25	-	-	74	-32.75	-	-	104	333	H
	* 3.959	27.75	ADR	33.3	-31.9	4.09	33.24	54	-20.76	-	-	-	-	104	333	H
3	* 11.467	34.8	PK-U	38.2	-25	0	48	-	-	74	-26	-	-	233	332	H
	* 11.467	22.68	ADR	38.2	-25	4.09	39.97	54	-14.03	-	-	-	-	233	332	H
4	* 1.272	42.57	PK-U	29	-35.1	0	36.47	-	-	74	-37.53	-	-	358	400	V
	* 1.272	30.46	ADR	29	-35.1	4.09	28.45	54	-25.55	-	-	-	-	358	400	V
5	* 3.962	40.1	PK-U	33.3	-31.9	0	41.5	-	-	74	-32.5	-	-	314	346	V
	* 3.962	27.64	ADR	33.3	-31.9	4.09	33.13	54	-20.87	-	-	-	-	314	346	V
6	* 11.449	35.78	PK-U	38.2	-25.1	0	48.88	-	-	74	-25.12	-	-	164	143	V
	* 11.449	22.63	ADR	38.2	-25.1	4.09	39.82	54	-14.18	-	-	-	-	164	143	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

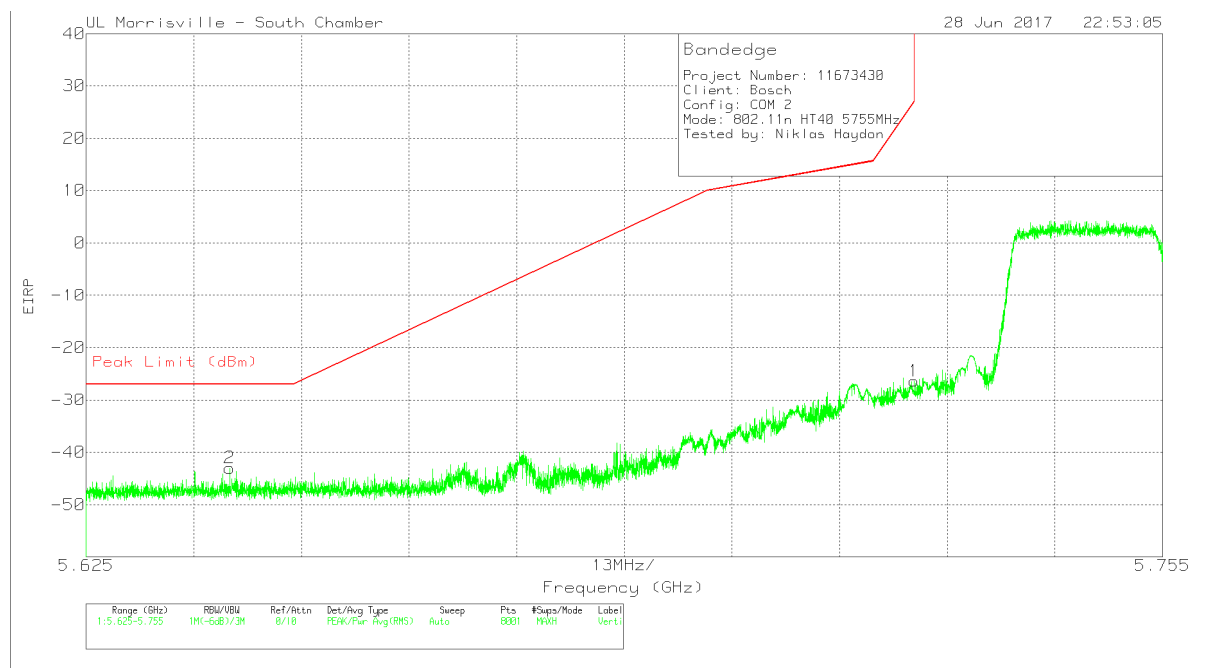
**RESTRICTED BANDEDGE (LOW CHANNEL INTERNAL CHAIN 1)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (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	5.646	-64.56	Pk	34.6	-23.5	11.8	0	-41.66	-27	-14.66	332	119	H
1	5.725	-46.37	Pk	34.6	-23.5	11.8	0	-23.47	27	-50.47	332	119	H

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

Pk - Peak detector

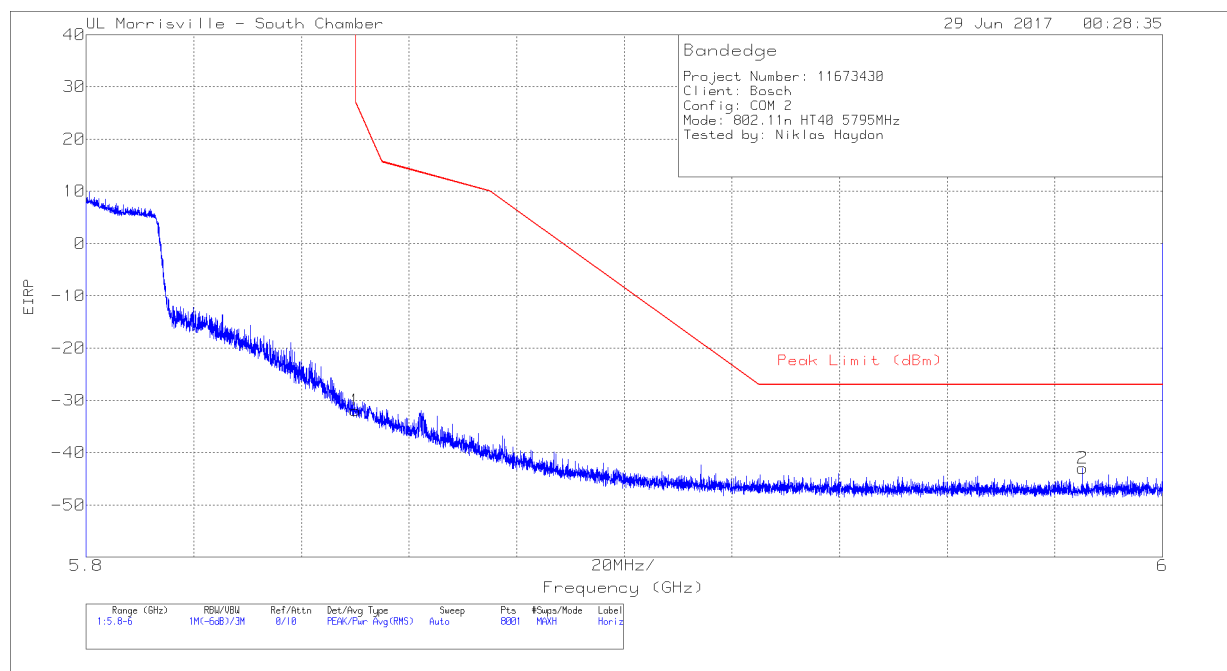


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.642	-65.9	Pk	34.6	-23.5	11.8	0	-43	-27	-16	292	397	V
1	5.725	-49.27	Pk	34.6	-23.5	11.8	0	-26.37	27	-53.37	292	397	V

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

Pk - Peak detector

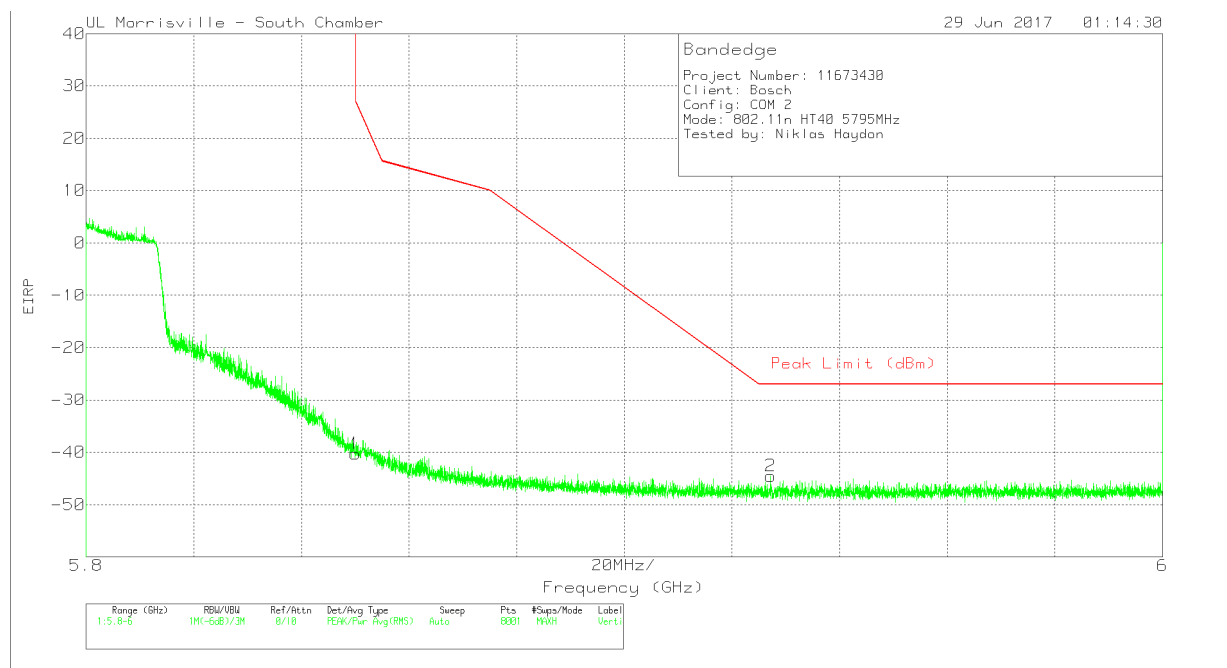
**AUTHORIZED BANDEGE (HIGH CHANNEL INTERNAL CHAIN 1)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-55.31	Pk	34.8	-23.2	11.8	0	-31.91	26.99	-58.9	337	110	H
2	5.985	-66.97	Pk	35.1	-22.9	11.8	0	-42.97	-27	-15.97	337	110	H

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

Pk - Peak detector

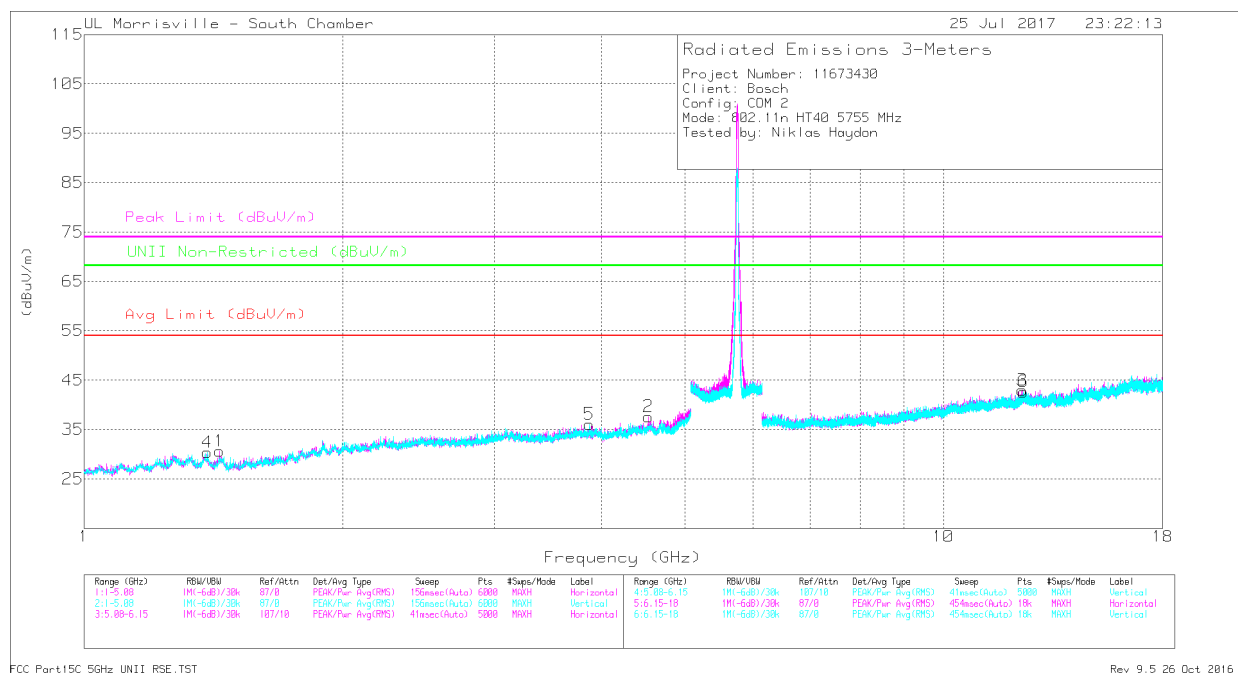


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-63.67	Pk	34.8	-23.2	11.8	0	-40.27	26.99	-67.26	284	390	V
2	5.927	-68.21	Pk	34.9	-23	11.8	0	-44.51	-27	-17.51	284	390	V

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

Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS – INTERNAL CHAIN 1



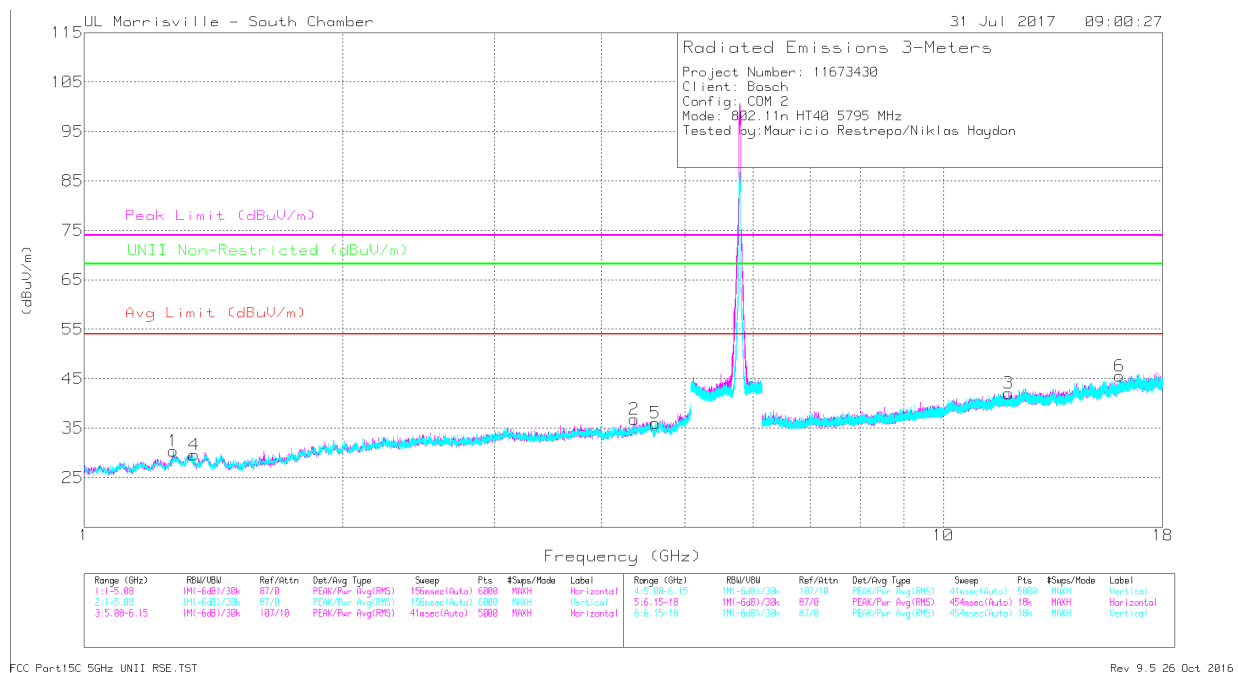
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.437	42.14	PK-U	28.7	-35	0	35.84	-	-	74	-38.16	-	-	57	375	H
	* 1.437	30.24	ADR	28.7	-35	4.09	28.03	54	-25.97	-	-	-	-	57	375	H
2	* 4.533	40.27	PK-U	33.9	-32.2	0	41.97	-	-	74	-32.03	-	-	360	112	H
	* 4.535	28.73	ADR	33.9	-32.2	4.09	34.52	54	-19.48	-	-	-	-	360	112	H
4	* 1.393	42.14	PK-U	28.8	-34.8	0	36.14	-	-	74	-37.86	-	-	239	378	V
	* 1.391	30.34	ADR	28.8	-34.8	4.09	28.43	54	-25.57	-	-	-	-	239	378	V
5	* 3.87	40.77	PK-U	33.3	-32.8	0	41.27	-	-	74	-32.73	-	-	227	377	V
	* 3.869	28.94	ADR	33.3	-32.8	4.09	33.53	54	-20.47	-	-	-	-	227	377	V
3	* 12.358	33.97	PK-U	38.9	-24.7	0	48.17	-	-	74	-25.83	-	-	96	147	H
	* 12.359	22.68	ADR	38.9	-24.7	4.09	40.97	54	-13.03	-	-	-	-	96	147	H
6	* 12.399	33.44	PK-U	38.9	-24.4	0	47.94	-	-	74	-26.06	-	-	186	146	V
	* 12.397	22.11	ADR	38.9	-24.4	4.09	40.7	54	-13.3	-	-	-	-	186	146	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average





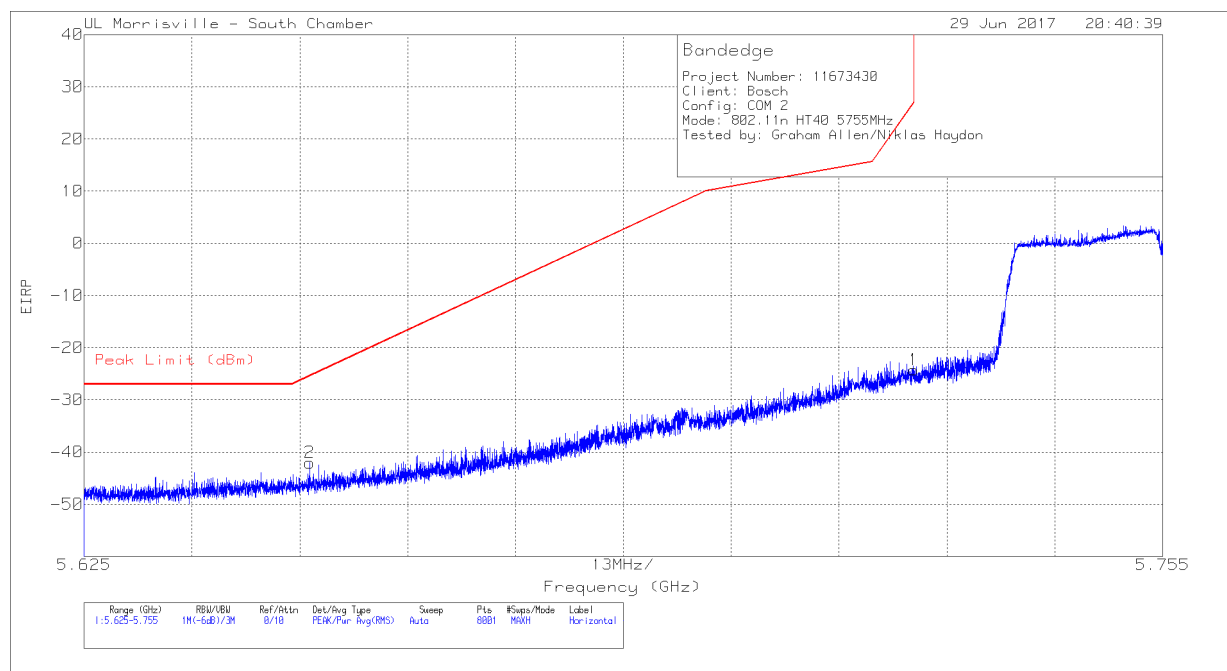
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBUV/m)	Avg Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	UNII Non-Restricted (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.268	42.31	PK-U	28.9	-35.2	0	36.01	-	-	74	-37.99	-	-	338	307	H
	* 1.271	30.19	ADR	29	-35.1	4.09	28.18	54	-25.82	-	-	-	-	338	307	H
2	* 4.37	39.52	PK-U	33.5	-31.3	0	41.72	-	-	74	-32.28	-	-	168	156	H
	* 4.368	27.85	ADR	33.5	-31.3	4.09	34.14	54	-19.86	-	-	-	-	168	156	H
4	* 1.341	42.33	PK-U	28.6	-34.8	0	36.13	-	-	74	-37.87	-	-	341	125	V
	* 1.341	29.5	ADR	28.6	-34.8	4.09	27.39	54	-26.61	-	-	-	-	341	125	V
5	* 4.62	40.16	PK-U	34	-31.4	0	42.76	-	-	74	-31.24	-	-	242	248	V
	* 4.619	27.47	ADR	34	-31.4	4.09	34.16	54	-19.84	-	-	-	-	242	248	V
3	* 11.917	34.22	PK-U	38.7	-25.1	0	47.82	-	-	74	-26.18	-	-	58	175	H
	* 11.919	22.51	ADR	38.7	-25.1	4.09	40.2	54	-13.8	-	-	-	-	58	175	H
6	* 16.033	34.89	PK-U	40.7	-24.9	0	50.69	-	-	74	-23.31	-	-	85	175	V
	* 16.033	23.04	ADR	40.7	-24.9	4.09	42.93	54	-11.07	-	-	-	-	85	175	V

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

PK-U - U-NII: Maximum Peak

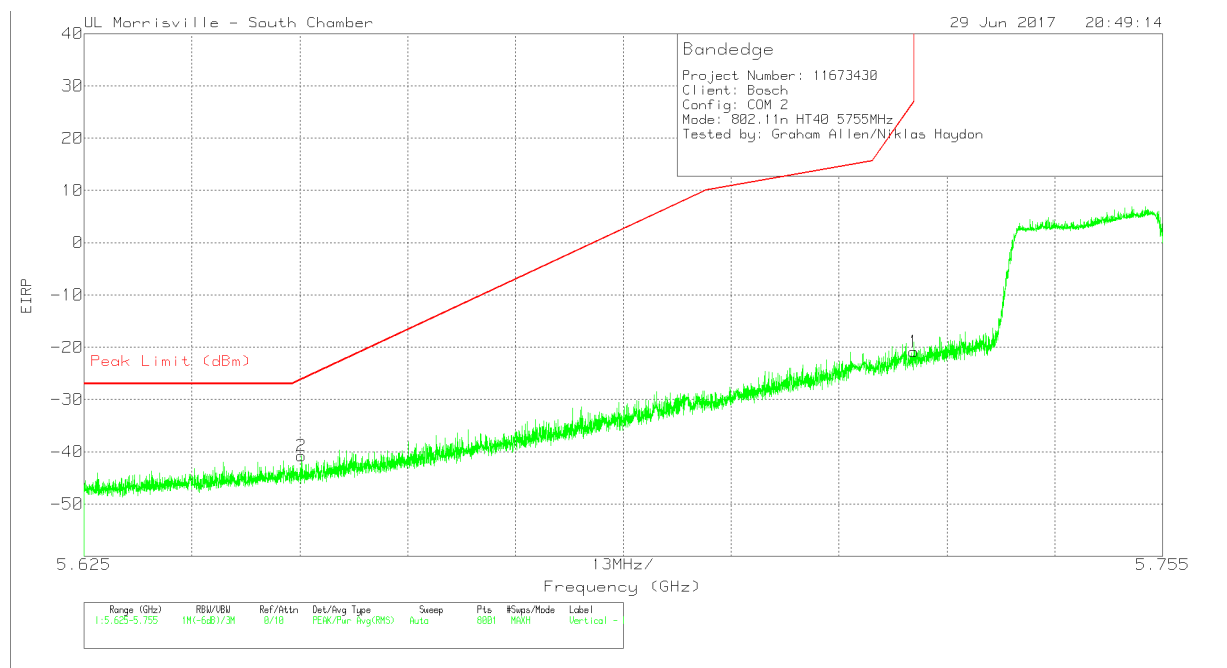
ADR - U-NII AD primary method, RMS average

**RESTRICTED BANDEDGE (LOW CHANNEL EXTERNAL CHAIN 0)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (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	5.652	-64.94	Pk	34.6	-23.5	11.8	0	-42.04	-25.37	-16.67	272	226	H
1	5.725	-47.15	Pk	34.6	-23.5	11.8	0	-24.25	27	-51.25	272	226	H

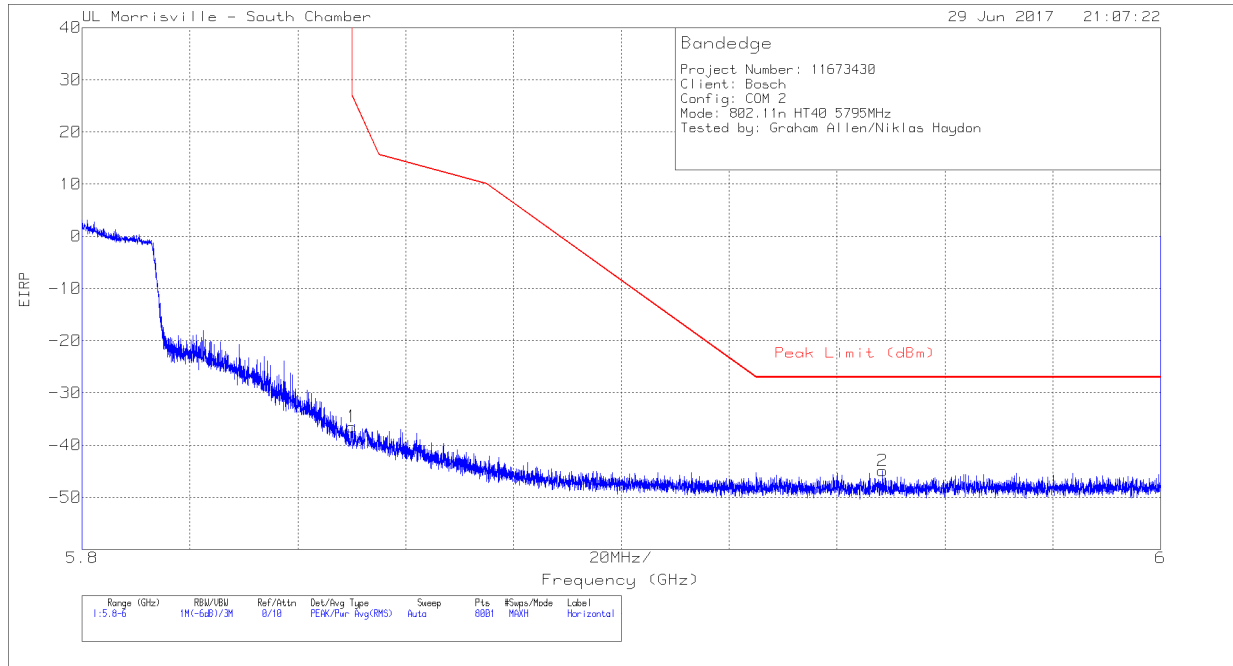
Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (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	5.651	-63.68	Pk	34.6	-23.5	11.8	0	-40.78	-26.1	-14.68	138	287	V
1	5.725	-43.78	Pk	34.6	-23.5	11.8	0	-20.88	27	-47.88	138	287	V

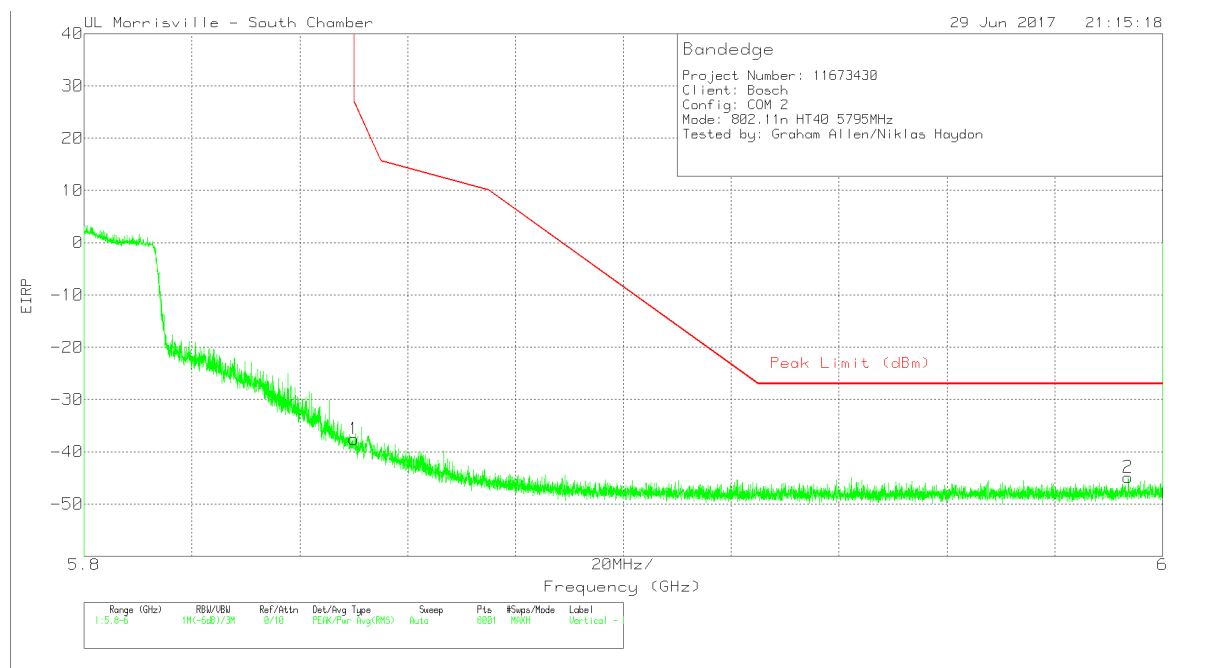
Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL EXTERNAL CHAIN 0)**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-59.87	Pk	34.8	-23.2	11.8	0	-36.47	26.99	-63.46	160	117	H
2	5.948	-68.62	Pk	34.9	-23	11.8	0	-44.92	-27	-17.92	160	117	H

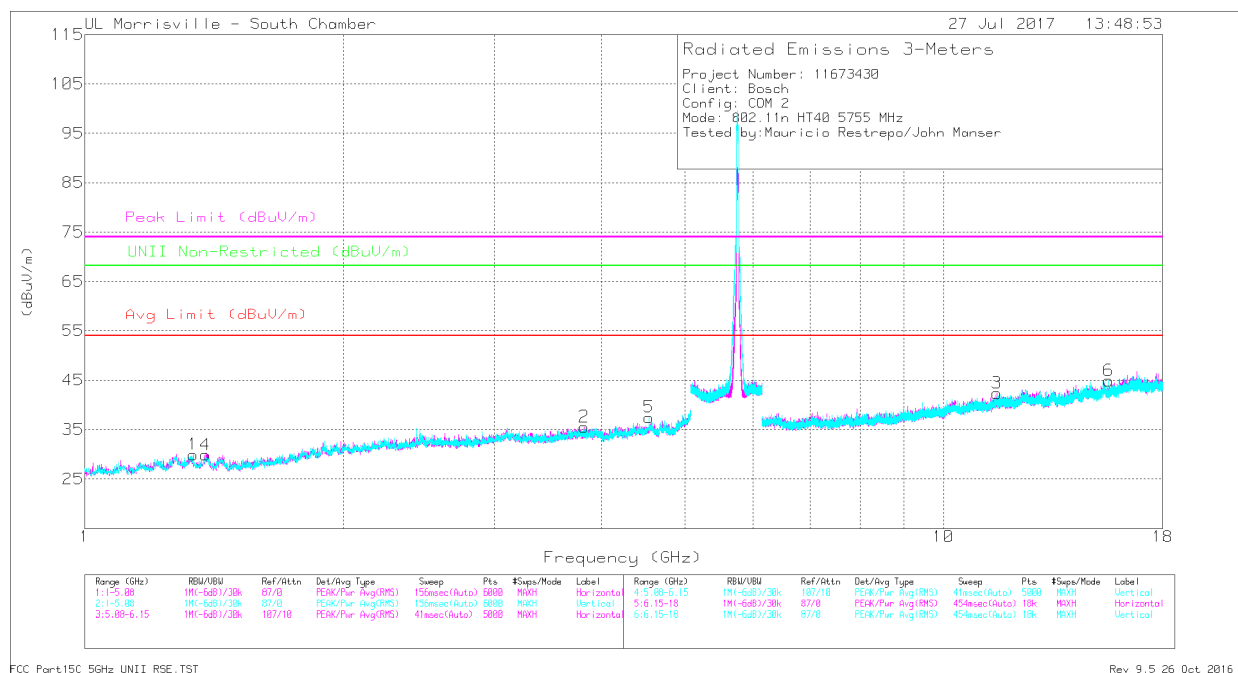
Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-60.94	Pk	34.8	-23.2	11.8	0	-37.54	26.99	-64.53	249	116	V
2	5.994	-68.96	Pk	35.1	-22.8	11.8	0	-44.86	-27	-17.86	249	116	V

Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS – EXTERNAL CHAIN 0

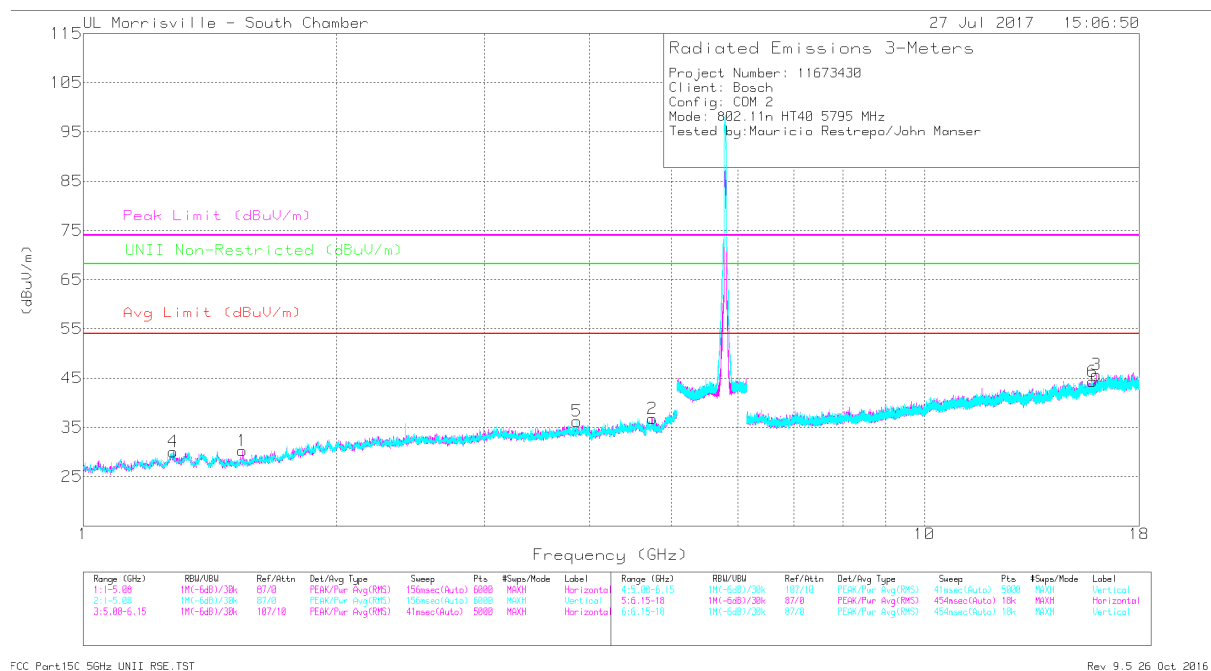


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.337	42.9	PK-U	28.7	-34.8	0	36.8	-	-	74	-37.2	-	-	314	338	H
	* 1.336	30.19	ADR	28.7	-34.8	4.09	28.18	54	-25.82	-	-	-	-	314	338	H
2	* 3.816	41.4	PK-U	33.4	-33.1	0	41.7	-	-	74	-32.3	-	-	34	282	H
	* 3.818	29.11	ADR	33.4	-33.1	4.09	33.5	54	-20.5	-	-	-	-	34	282	H
4	* 1.383	42.38	PK-U	28.9	-34.8	0	36.48	-	-	74	-37.52	-	-	110	104	V
	* 1.384	30.39	ADR	28.9	-34.8	4.09	28.58	54	-25.42	-	-	-	-	110	104	V
5	* 4.545	40.24	PK-U	33.9	-32.1	0	42.04	-	-	74	-31.96	-	-	25	327	V
	* 4.544	28.54	ADR	33.9	-32.1	4.09	34.43	54	-19.57	-	-	-	-	25	327	V
3	* 11.542	34.3	PK-U	38.3	-24.9	0	47.7	-	-	74	-26.3	-	-	234	162	H
	* 11.543	22.66	ADR	38.3	-24.9	4.09	40.15	54	-13.85	-	-	-	-	234	162	H
6	* 15.57	34.38	PK-U	40.1	-25.4	0	49.08	-	-	74	-24.92	-	-	226	129	V
	* 15.57	22.66	ADR	40.1	-25.4	4.09	41.45	54	-12.55	-	-	-	-	226	129	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.545	43.3	PK-U	28.1	-35	0	36.4	-	-	74	-37.6	-	-	3	234	H
	* 1.545	30.35	ADR	28.1	-35	4.09	27.54	54	-26.46	-	-	-	-	3	234	H
2	* 4.749	39.75	PK-U	34	-31.5	0	42.25	-	-	74	-31.75	-	-	91	351	H
	* 4.752	28.03	ADR	34	-31.5	4.09	34.62	54	-19.38	-	-	-	-	91	351	H
4	* 1.281	42.13	PK-U	29	-35.1	0	36.03	-	-	74	-37.97	-	-	246	114	V
	* 1.278	30.43	ADR	29	-35.1	4.09	28.42	54	-25.58	-	-	-	-	246	114	V
5	* 3.864	41.44	PK-U	33.3	-32.8	0	41.94	-	-	74	-32.06	-	-	25	108	V
	* 3.864	31.82	ADR	33.3	-32.8	4.09	36.41	54	-17.59	-	-	-	-	25	108	V
3	* 16.019	35.43	PK-U	40.7	-24.9	0	51.23	-	-	74	-22.77	-	-	227	108	H
	* 16.019	23.63	ADR	40.7	-25	4.09	43.42	54	-10.58	-	-	-	-	227	108	H
6	* 15.856	33.94	PK-U	40.4	-25.2	0	49.14	-	-	74	-24.86	-	-	9	127	V
	* 15.855	22.76	ADR	40.4	-25.2	4.09	42.05	54	-11.95	-	-	-	-	9	127	V

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

PK-U - U-NII: Maximum Peak

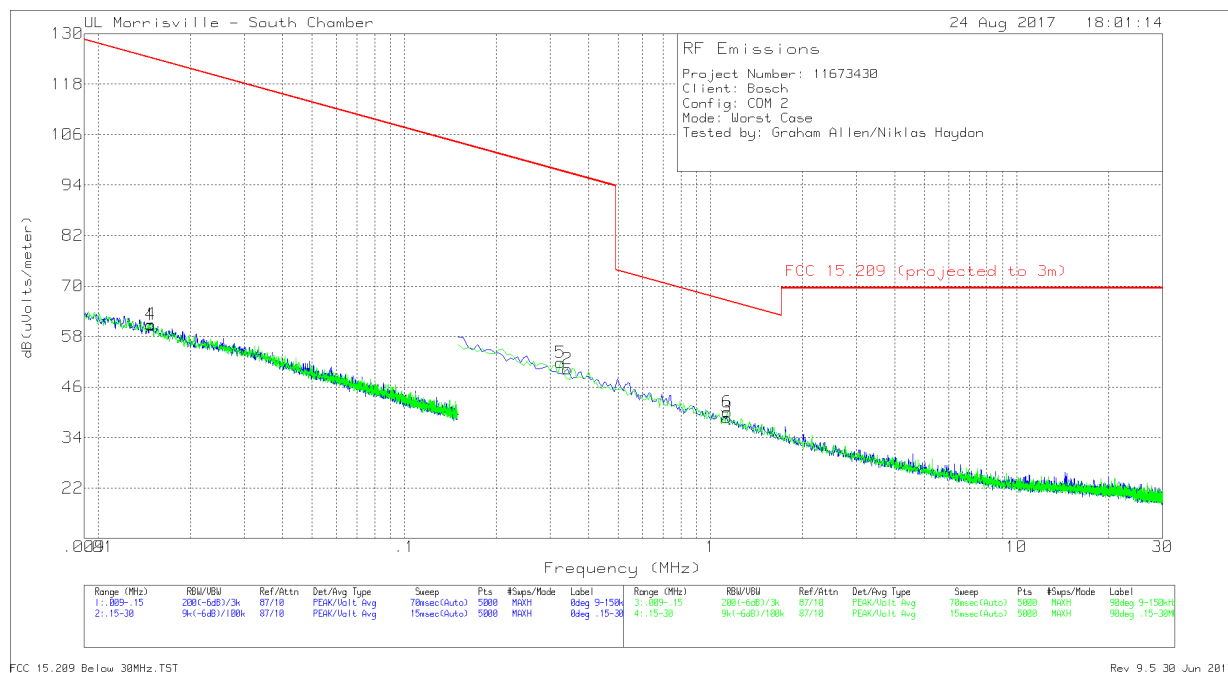
ADR - U-NII AD primary method, RMS average

## 9.15. RADIATED WORST-CASE CONFIGURATION SPURIOUS EMISSIONS 9 TO 30 MHz

**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  $40 \cdot \log(\text{specification distance} / \text{test distance})$ .

Although these tests were performed at a test site other than an open area test site, adequate comparison measurements were confirmed against an open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 937606.

### Internal Antenna

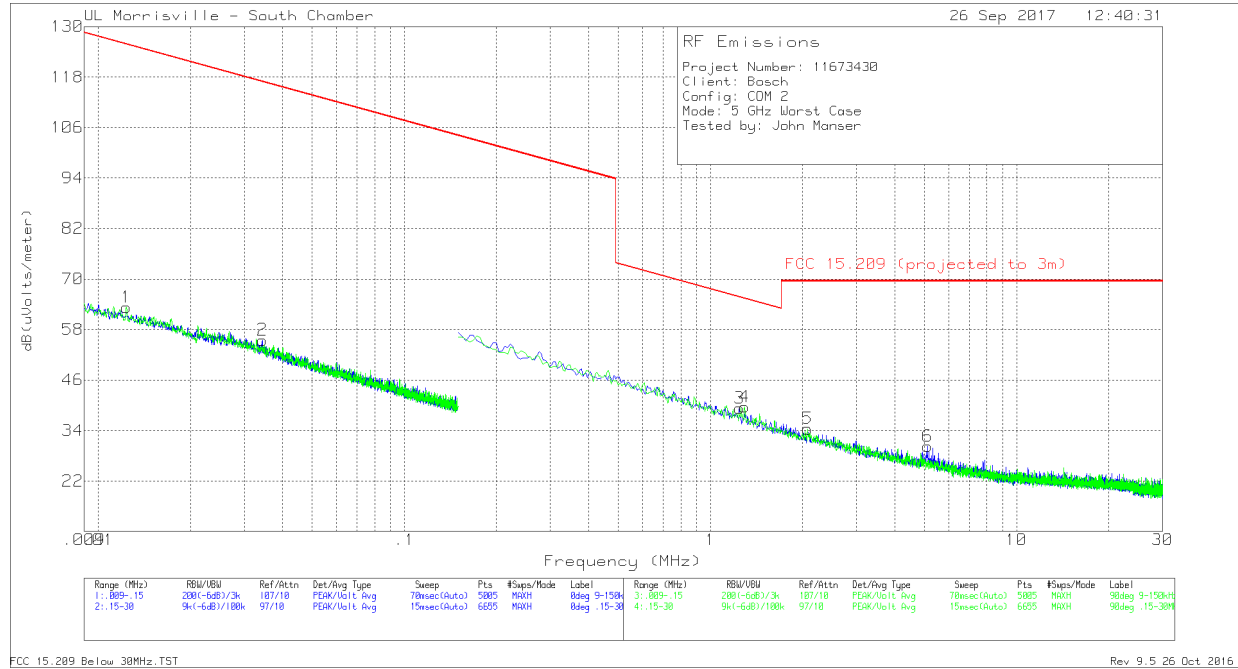


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0079 AF (dB/m)	Cbl (dB)	Corrected Reading dB(uVolts/meter)	FCC 15.209 (projected to 3m)	Margin (dB)	Azimuth (Degs)	Face (On/Off)
1	.01485	44.47	Pk	16.2	.1	60.77	124.17	-63.4	0-360	On
2	.34107	39.64	Pk	10.6	.1	50.34	96.95	-46.61	0-360	On
3	1.12924	27.58	Pk	11	.2	38.78	66.55	-27.77	0-360	On
4	.01485	44.63	Pk	16.2	.1	60.93	124.17	-63.24	0-360	Off
5	.32316	41.13	Pk	10.6	.1	51.83	97.42	-45.59	0-360	Off
6	1.13522	28.85	Pk	11	.2	40.05	66.5	-26.45	0-360	Off

Pk - Peak detector



## External Antenna

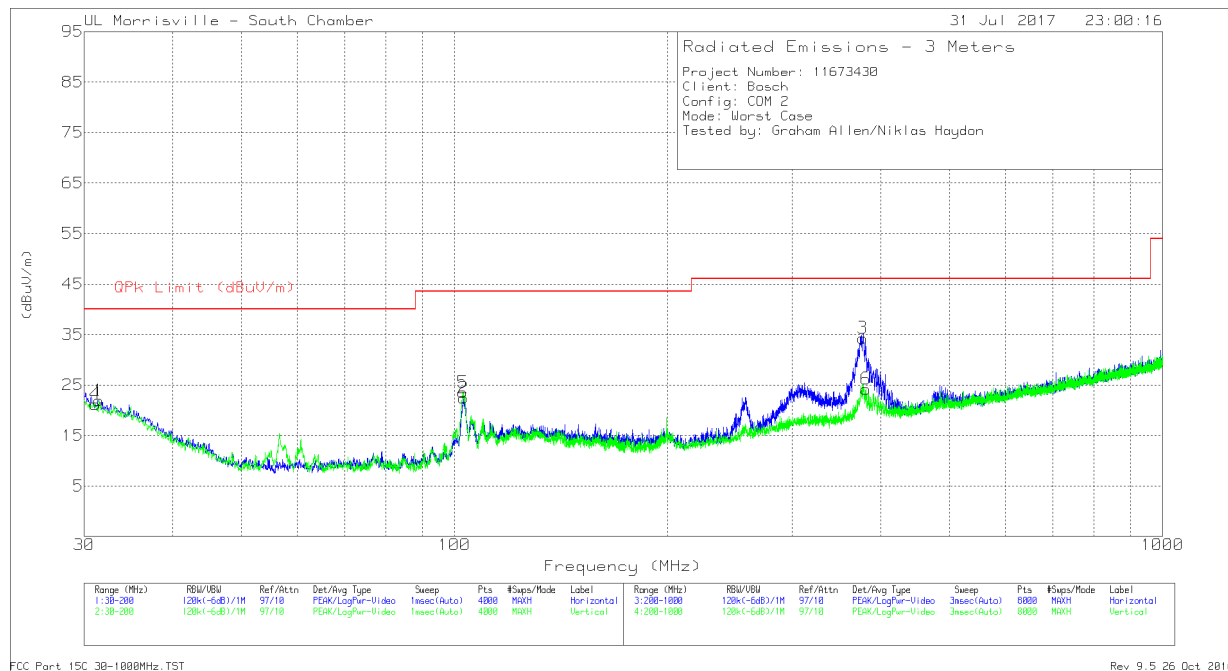


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0079 AF (dB/m)	Cbl (dB)	Corrected Reading dB(uVolts/meter)	FCC 15.209 (projected to 3m)	Margin (dB)	Azimuth (Degs)
1	.01236	45.84	Pk	17.3	.1	63.24	125.76	-62.52	0-360
2	.03437	42.41	Pk	13	.1	55.51	116.88	-61.37	0-360
3	1.24458	28.07	Pk	11	.2	39.27	65.7	-26.43	0-360
4	1.29393	28.37	Pk	11	.2	39.57	65.37	-25.8	0-360
5	2.07898	23.22	Pk	11	.2	34.42	69.54	-35.12	0-360
6	5.116	18.85	Pk	11	.4	30.25	69.54	-39.29	0-360

Pk - Peak detector

# **SPURIOUS EMISSIONS 30 TO 1000 MHz**

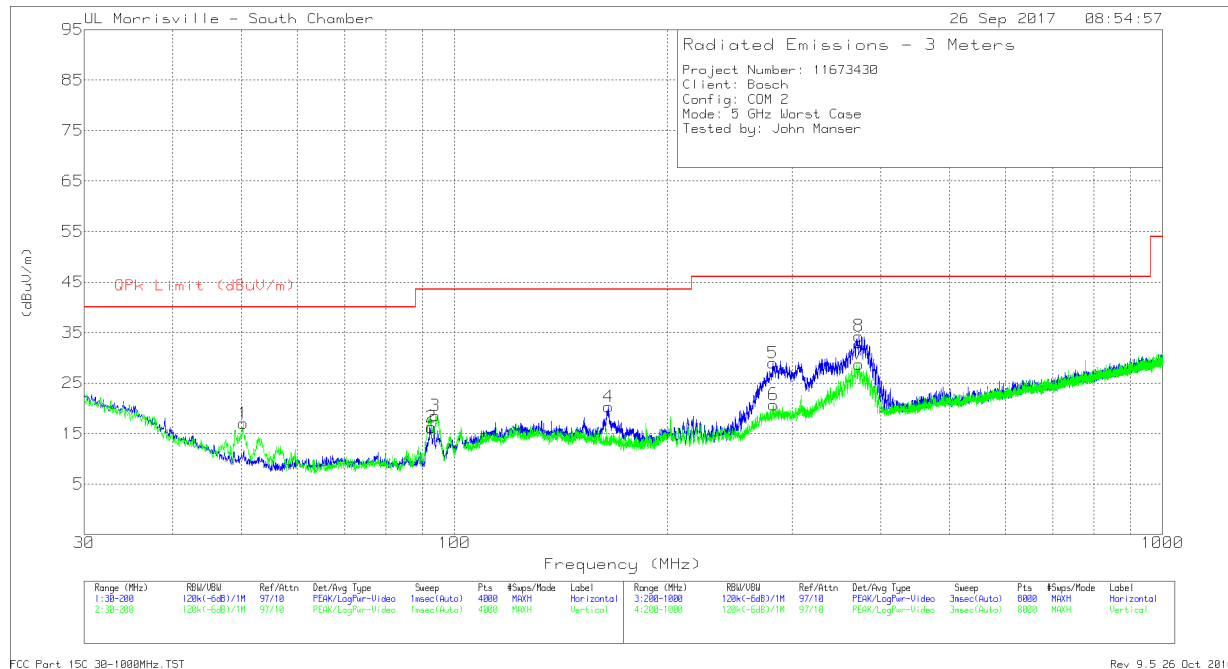
## Internal Antenna



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 AF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	31.4879	28.67	Pk	25.1	-31.8	21.97	40	-18.03	0-360	398	H
2	102.9914	38.11	Pk	15.3	-31	22.41	43.52	-21.11	0-360	298	H
3	377.323	43.61	Pk	19.8	-29.1	34.31	46.02	-11.71	0-360	102	H
4	31.1053	27.63	Pk	25.4	-31.8	21.23	40	-18.77	0-360	101	V
5	102.8213	39.24	Pk	15.3	-31	23.54	43.52	-19.98	0-360	101	V
6	381.4236	33.64	Pk	19.8	-29.2	24.24	46.02	-21.78	0-360	299	V

Pk - Peak detector

## External Antenna



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 AF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 164.7561	29.32	Qp	16.6	-30.5	15.42	43.52	-28.1	124	164	H
5	* 282.0088	37.01	Qp	17.8	-29.7	25.11	46.02	-20.91	319	109	H
6	* 282.2632	27.81	Qp	17.8	-29.7	15.91	46.02	-30.11	166	107	V
1	50.2777	35.95	Pk	12.6	-31.5	17.05	40	-22.95	0-360	101	V
2	92.7462	35.13	Pk	12.2	-31.1	16.23	43.52	-27.29	0-360	199	H
3	93.9365	37.04	Pk	12.5	-31	18.54	43.52	-24.98	0-360	101	V
7	372.3224	38.19	Pk	19.9	-29.4	28.69	46.02	-17.33	0-360	298	V
8	372.6224	43.9	Pk	19.8	-29.4	34.3	46.02	-11.72	0-360	102	H

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

Pk - Peak detector

Qp - Quasi-Peak detector

## SPURIOUS EMISSIONS 18 to 26GHz

### Internal Antenna



Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0076 (dB/m)	Amp/Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 18.389	48.09	PK-U	32.7	-40.5	0	40.29	54	-13.71	74	-33.71	-	-	168	211	H
2	* 20.91	47.22	PK-U	33.2	-39.7	0	40.72	54	-13.28	74	-33.28	-	-	70	252	H
3	* 22.63	47.45	PK-U	33.5	-39.2	0	41.75	54	-12.25	74	-32.25	-	-	45	125	H
4	* 18.389	47.72	PK-U	32.7	-40.5	0	39.92	54	-14.08	74	-34.08	-	-	251	328	V
5	* 20.92	47.15	PK-U	33.2	-39.7	0	40.65	54	-13.35	74	-33.35	-	-	226	337	V
6	* 22.612	47.33	PK-U	33.5	-39	0	41.83	54	-12.17	74	-32.17	-	-	311	389	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## External Antenna



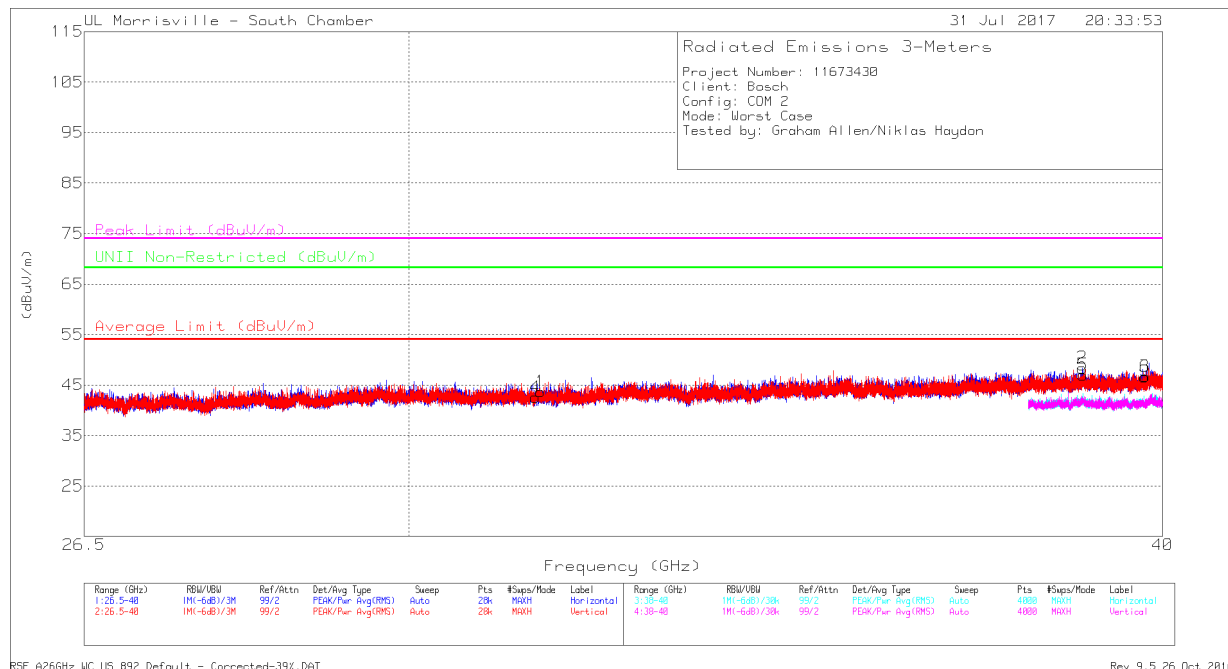
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0076 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 18.022	48.33	Pk	32.9	-40.8	40.43	54	-13.57	74	-33.57	-	-	0-360	149	H
2	* 19.619	48.09	Pk	32.9	-40.1	40.89	54	-13.11	74	-33.11	-	-	0-360	149	H
3	* 23.619	47.03	Pk	33.9	-38.6	42.33	54	-11.67	74	-31.67	-	-	0-360	249	H
4	* 19.865	47.88	Pk	33	-40	40.88	54	-13.12	74	-33.12	-	-	0-360	201	V
5	* 20.26	47.36	Pk	33	-39.8	40.56	54	-13.44	74	-33.44	-	-	0-360	299	V
6	* 22.523	47.77	Pk	33.5	-39.4	41.87	54	-12.13	74	-32.13	-	-	0-360	299	V

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

Pk - Peak detector

# **SPURIOUS EMISSIONS 26 to 40GHz**

## Internal Antenna



Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0077 (dB/m)	Amp/Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 31.542	43.85	PK-U	36.9	-34.4	0	46.35	54	-7.65	74	-27.65	-	-	84	386	H
2	* 38.793	34.14	MAV1	38.9	-35.7	4.09	41.43	54	-12.57	-	-	-	-	174	321	H
	* 38.794	46.69	PK-U	38.9	-35.7	0	49.89	-	-	74	-24.11	-	-	174	321	H
3	* 39.726	32.38	MAV1	38.9	-34.8	4.09	40.57	54	-13.43	-	-	-	-	242	302	H
	* 39.726	44.5	PK-U	38.9	-34.8	0	48.6	-	-	74	-25.4	-	-	242	302	H
4	* 31.479	43.34	PK-U	36.9	-34.6	0	45.64	54	-8.36	74	-28.36	-	-	284	256	V
5	* 38.8	33.89	MAV1	38.9	-35.7	4.09	41.18	54	-12.82	-	-	-	-	148	351	V
	* 38.801	45.99	PK-U	38.9	-35.6	0	49.29	-	-	74	-24.71	-	-	148	351	V
6	* 39.736	32.3	MAV1	38.9	-34.8	4.09	40.49	54	-13.51	-	-	-	-	13	282	V
	* 39.736	44.55	PK-U	38.9	-34.8	0	48.65	-	-	74	-25.35	-	-	13	282	V

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

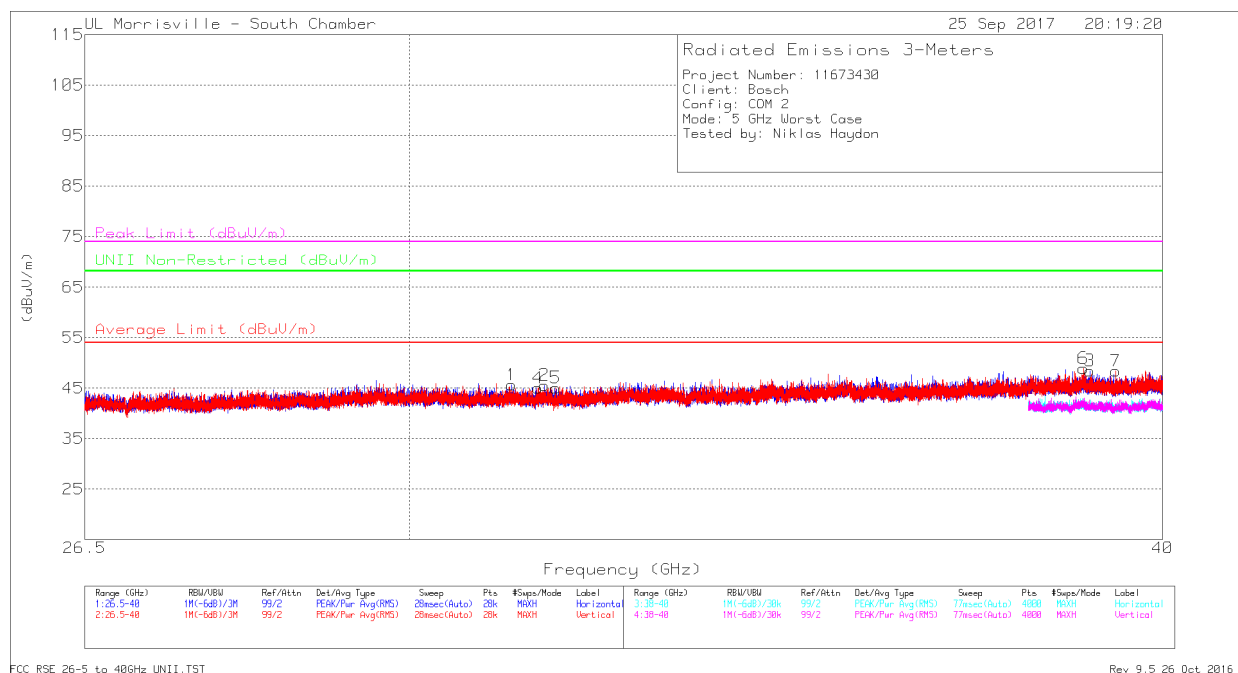
MAV1 - KDB558074 Option 1 Maximum RMS Average

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.

## External Antenna



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0077 (dB/m)	Amp/Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 31.585	42.76	Pk	37	-34.2	0	45.56	54	-8.44	74	-28.44	-	-	0-360	249	H
3	* 38.908	45.55	PK-U	38.9	-35.5	0	48.95	-	-	74	-25.05	-	-	339	351	H
	* 38.906	33.05	ADR	38.9	-35.5	10	46.45	54	-7.55	-	-	-	-	339	351	H
4	* 31.508	42.62	Pk	36.8	-34.4	0	45.02	54	-8.98	74	-28.98	-	-	0-360	251	V
5	* 31.723	42.35	Pk	36.8	-34.1	0	45.05	54	-8.95	74	-28.95	-	-	0-360	101	V
6	* 38.807	46	PK-U	38.9	-35.6	0	49.3	-	-	74	-24.7	-	-	273	108	V
	* 38.806	33.62	ADR	38.9	-35.6	10	46.92	54	-7.08	-	-	-	-	273	108	V
7	* 39.29	45.27	PK-U	38.7	-35.3	0	48.67	-	-	74	-25.33	-	-	308	158	V
	* 39.289	33	ADR	38.7	-35.3	10	46.4	54	-7.6	-	-	-	-	308	158	V
1	31.196	43.15	Pk	37.1	-34.6	0	45.65	-	-	-	-	68.2	-22.55	0-360	299	H

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

Pk - Peak detector

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Note regarding the measurements performed where the EUT had 40% duty cycle - The HT40 Duty cycle correction (39% or 4.09 dB) was used for all 40% Duty Cycle measurements (11a/nHT20 found to be a duty cycle of 38.4% or 4.16 dB). All measurements had sufficient margin to overcome the 0.07 dB difference between the 40 MHz and 20 MHz 40% Duty Cycle Corrections.

## 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

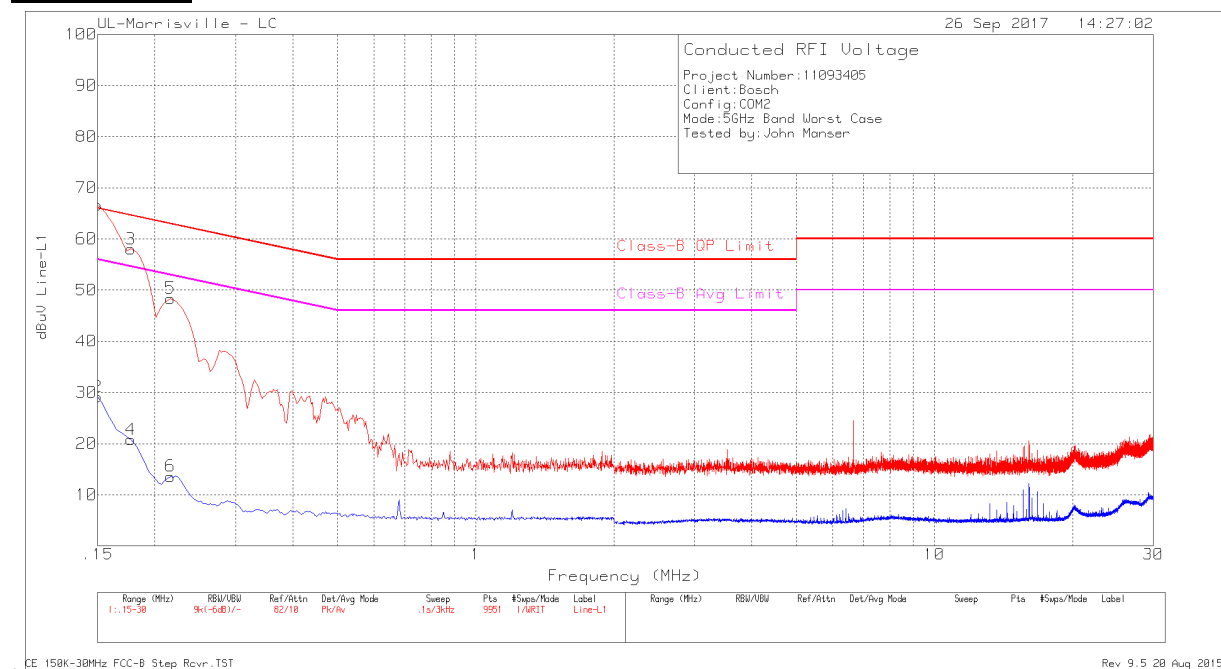
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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 lines.



## Line 1 Results



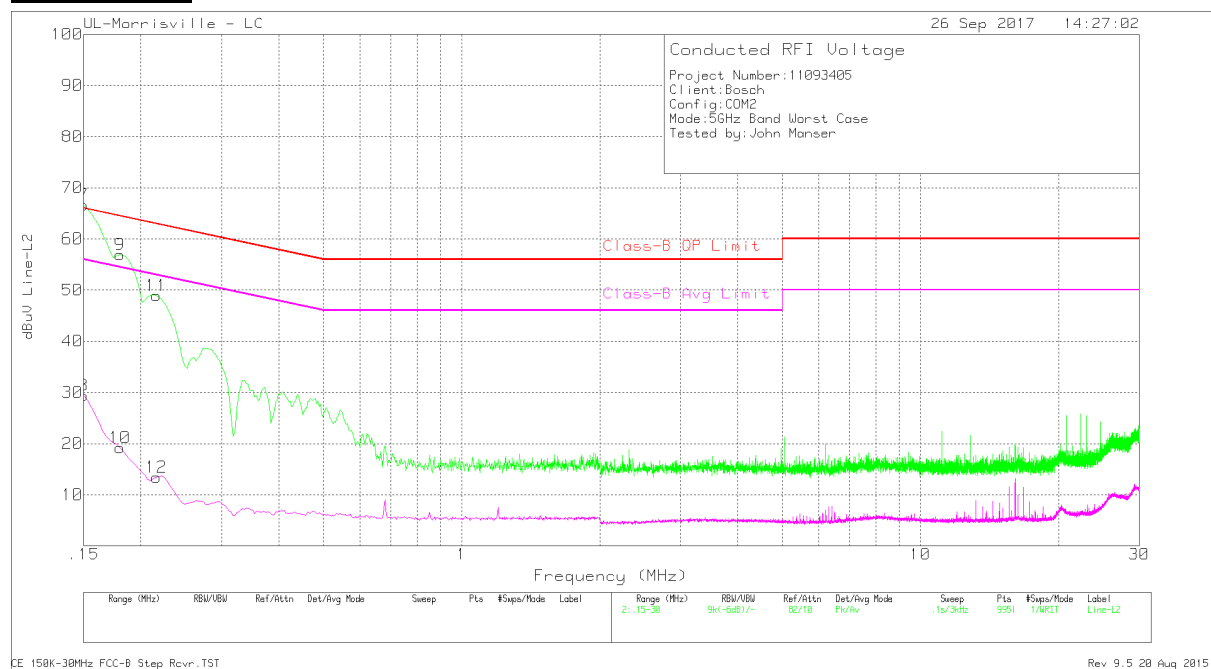
Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	Class-B QP Limit	Margin (dB)	Class-B Avg Limit	Margin (dB)
1	.15018	50.05	Qp	.2	10	60.25	65.99	-5.74	-	-
2	.15	18.96	Av	.2	10	29.16	-	-	56	-26.84
3	.177	47.8	Pk	.2	10	58	64.63	-6.63	-	-
4	.177	10.6	Av	.2	10	20.8	-	-	54.63	-33.83
5	.216	38.38	Pk	.1	9.9	48.38	62.97	-14.59	-	-
6	.216	3.61	Av	.1	9.9	13.61	-	-	52.97	-39.36

Pk - Peak detector

Qp - Quasi-Peak detector

Av - Average detection

## Line 2 Results



Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	Class-B QP Limit	Margin (dB)	Class-B Avg Limit	Margin (dB)
7	.15005	49.98	Qp	.2	10	60.18	66	-5.82	-	-
8	.15	19.23	Av	.2	10	29.43	-	-	56	-26.57
9	.18	46.71	Pk	.2	10	56.91	64.49	-7.58	-	-
10	.18	9	Av	.2	10	19.2	-	-	54.49	-35.29
11	.216	38.97	Pk	.1	9.9	48.97	62.97	-14	-	-
12	.216	3.44	Av	.1	9.9	13.44	-	-	52.97	-39.53

Pk - Peak detector

Qp - Quasi-Peak detector

Av - Average detection