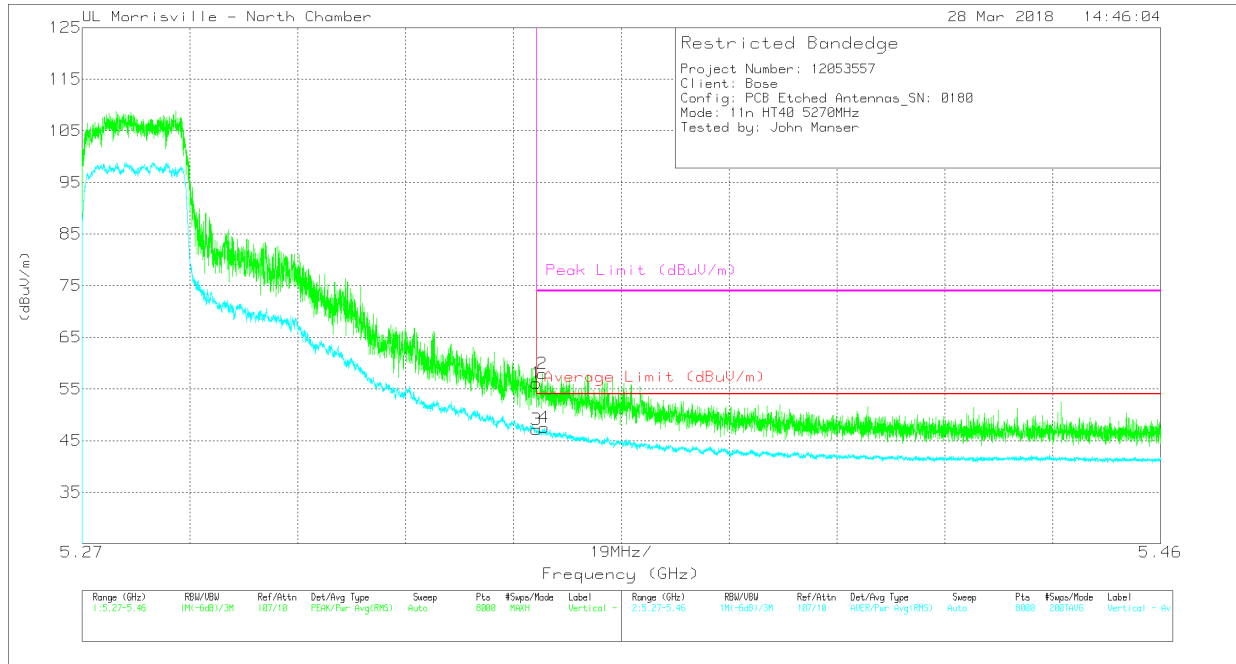


**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL MCS7 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 5.351	46.78	Pk	34.4	-23.2	0	57.98	-	-	74	-16.02	310	114	V
4	*** 5.351	33.67	RMS	34.4	-23.2	2.52	47.39	54	-6.61	-	-	310	114	V
1	5.35	44.88	Pk	34.4	-23.2	0	56.08	-	-	74	-17.92	310	114	V
3	5.35	33.33	RMS	34.4	-23.2	2.52	47.05	54	-6.95	-	-	310	114	V

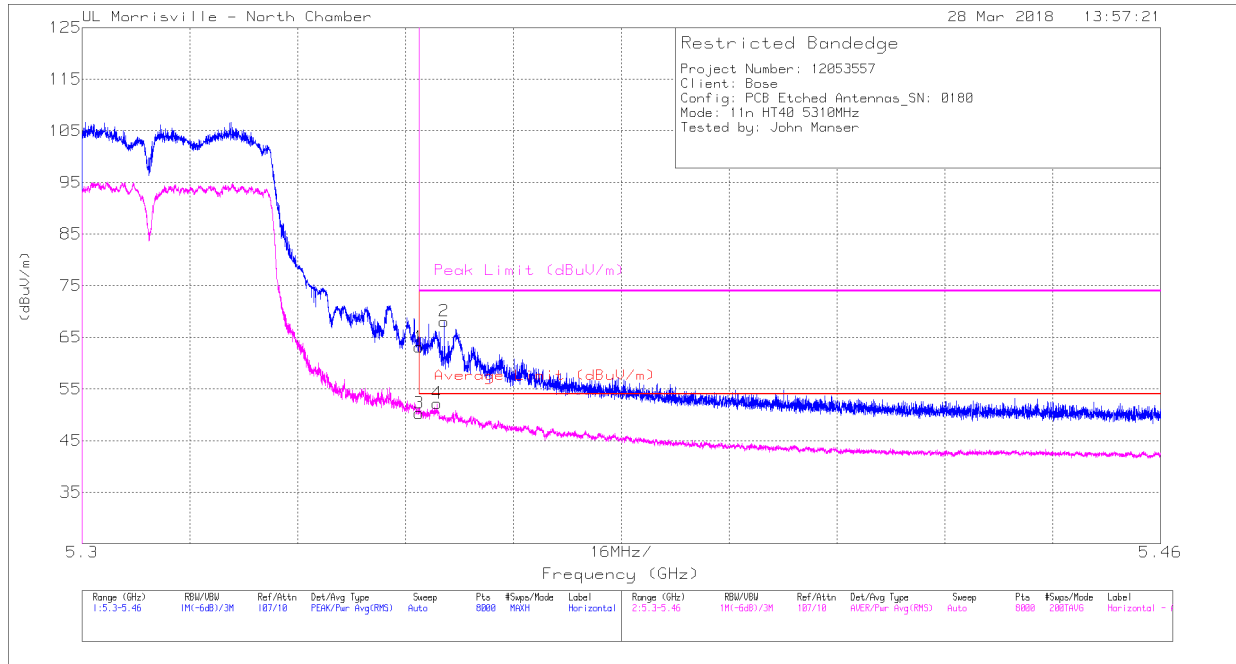
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS7 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 5.35	51.93	Pk	34.4	-23.2	0	63.13	-	-	74	-10.87	271	258	H
2	*** 5.354	56.9	Pk	34.4	-23.2	0	68.1	-	-	74	-5.9	271	258	H
3	*** 5.35	36.49	RMS	34.4	-23.2	2.52	50.21	54	-3.79	-	-	271	258	H
4	*** 5.353	38.41	RMS	34.4	-23.2	2.52	52.13	54	-1.87	-	-	271	258	H

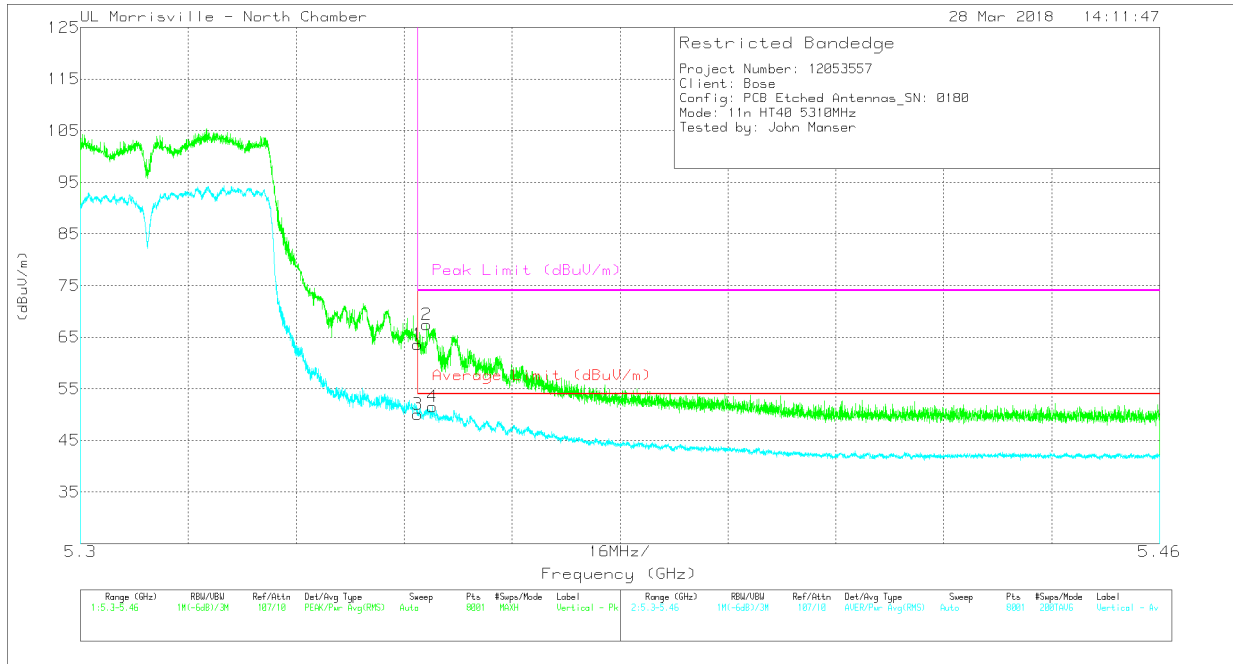
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS7 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	* ** 5.35	52.43	Pk	34.4	-23.2	0	63.63	-	-	74	-10.37	40	295	V
2	* ** 5.351	56.25	Pk	34.4	-23.2	0	67.45	-	-	74	-6.55	40	295	V
3	* ** 5.35	36.31	RMS	34.4	-23.2	2.52	50.03	54	-3.97	-	-	40	295	V
4	* ** 5.352	37.85	RMS	34.4	-23.2	2.52	51.57	54	-2.43	-	-	40	295	V

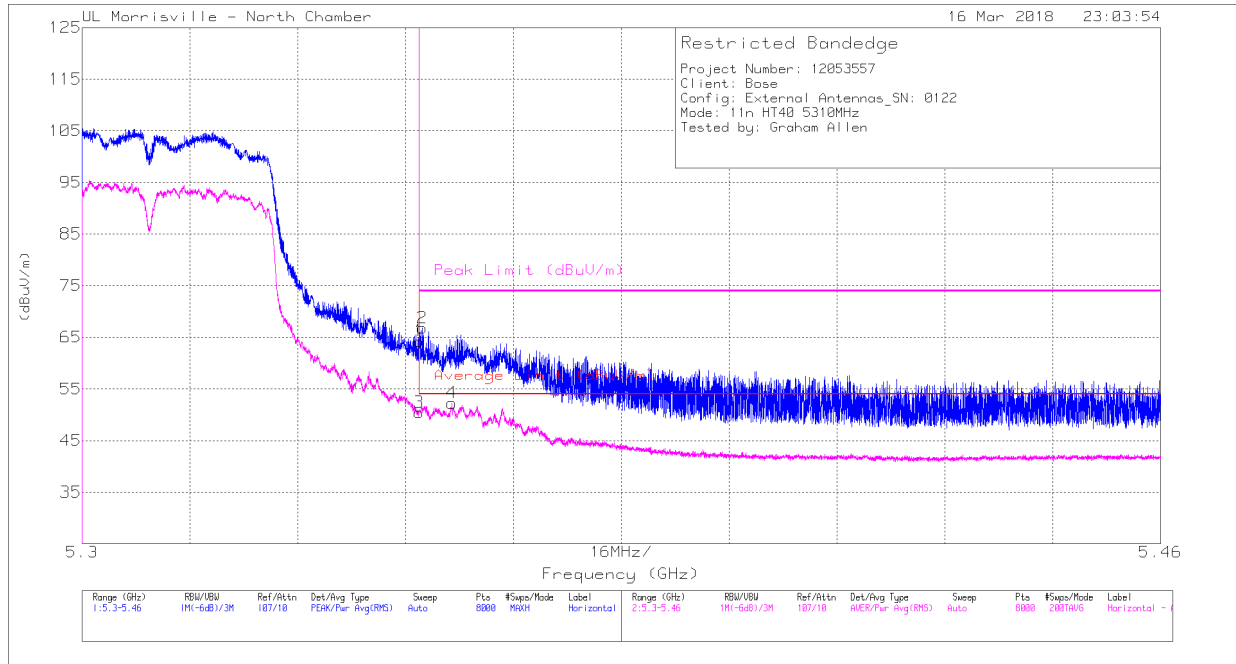
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS0 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 5.35	52.49	Pk	34.4	-22.6	0	64.29	-	-	74	-9.71	52	274	H
2	*** 5.35	54.98	Pk	34.4	-22.6	0	66.78	-	-	74	-7.22	52	274	H
3	*** 5.35	36.04	RMS	34.4	-22.6	2.52	50.36	54	-3.64	-	-	52	274	H
4	*** 5.355	37.85	RMS	34.4	-22.6	2.52	52.17	54	-1.83	-	-	52	274	H

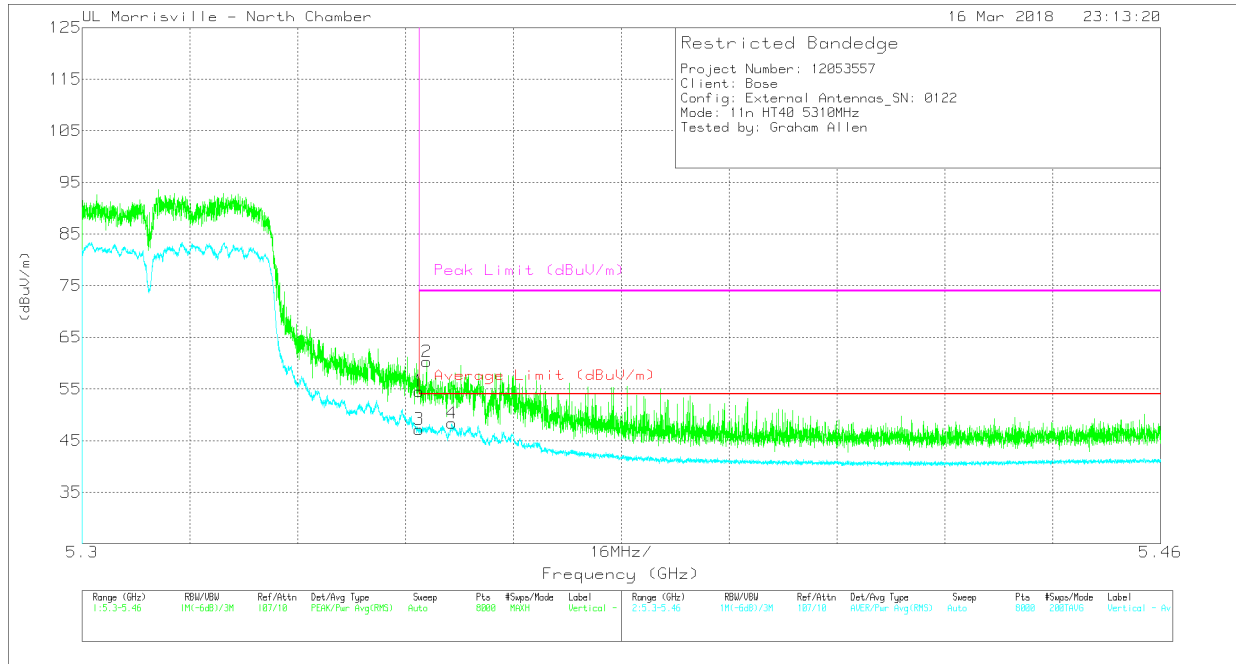
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS0 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 5.35	42.76	Pk	34.4	-22.6	0	54.56	-	-	74	-19.44	121	396	V
2	*** 5.351	48.49	Pk	34.4	-22.6	0	60.29	-	-	74	-13.71	121	396	V
3	*** 5.35	32.79	RMS	34.4	-22.6	2.52	47.11	54	-6.89	-	-	121	396	V
4	*** 5.355	33.98	RMS	34.4	-22.6	2.52	48.3	54	-5.7	-	-	121	396	V

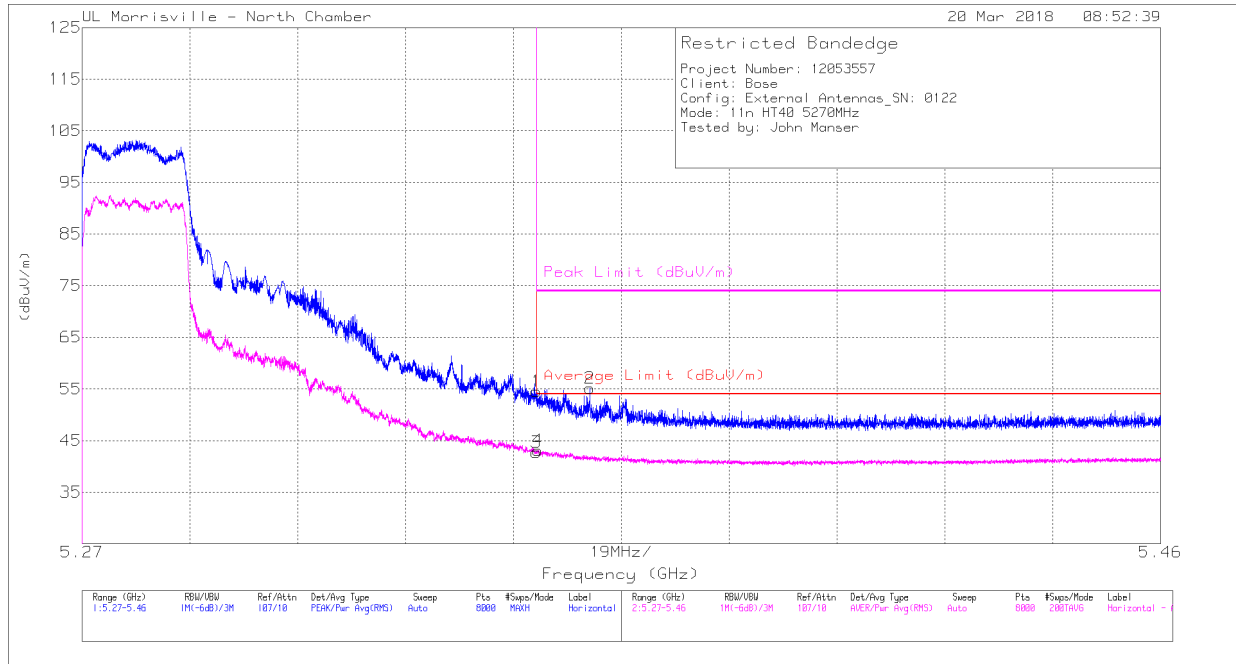
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL MCS7 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	* ** 5.359	43.31	Pk	34.4	-22.6	0	55.11	-	-	74	-18.89	26	141	H
4	* ** 5.35	28.77	RMS	34.4	-22.6	2.52	43.09	54	-10.91	-	-	26	141	H
1	5.35	42.75	Pk	34.4	-22.6	0	54.55	-	-	74	-19.45	26	141	H
3	5.35	28.36	RMS	34.4	-22.6	2.52	42.68	54	-11.32	-	-	26	141	H

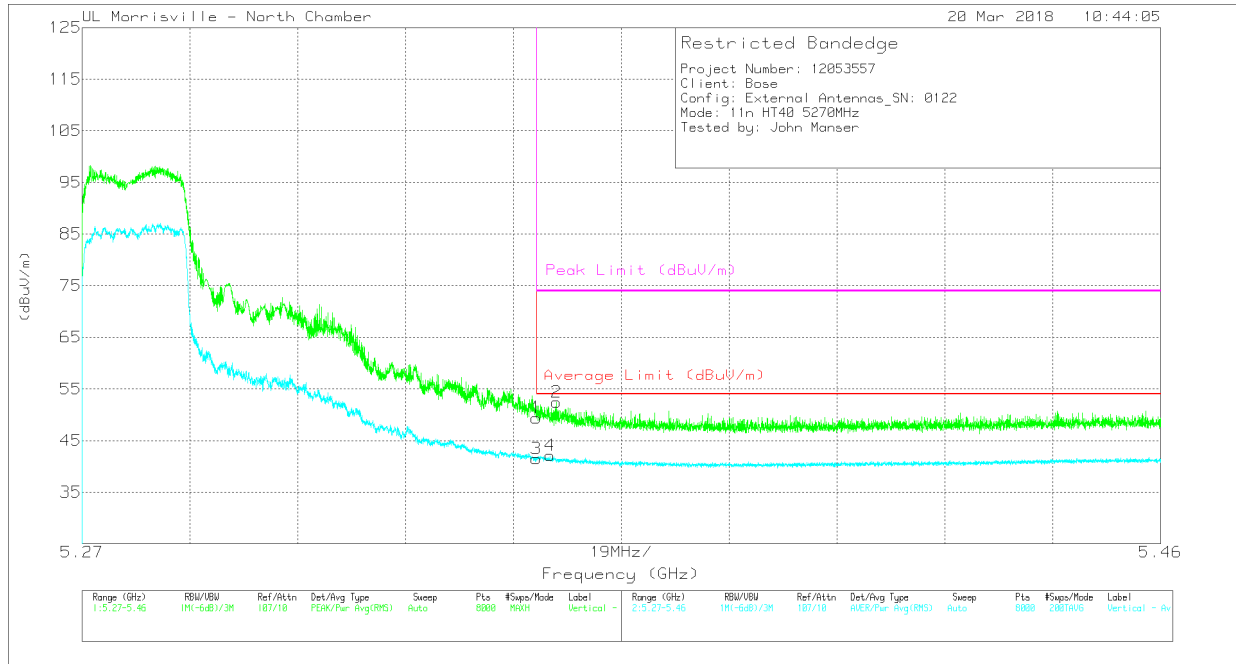
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL MCS7 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 5.354	40.63	Pk	34.4	-22.6	0	52.43	-	-	74	-21.57	118	380	V
4	*** 5.352	27.66	RMS	34.4	-22.6	2.52	41.98	54	-12.02	-	-	118	380	V
1	5.35	37.6	Pk	34.4	-22.6	0	49.4	-	-	74	-24.6	118	380	V
3	5.35	27.09	RMS	34.4	-22.6	2.52	41.41	54	-12.59	-	-	118	380	V

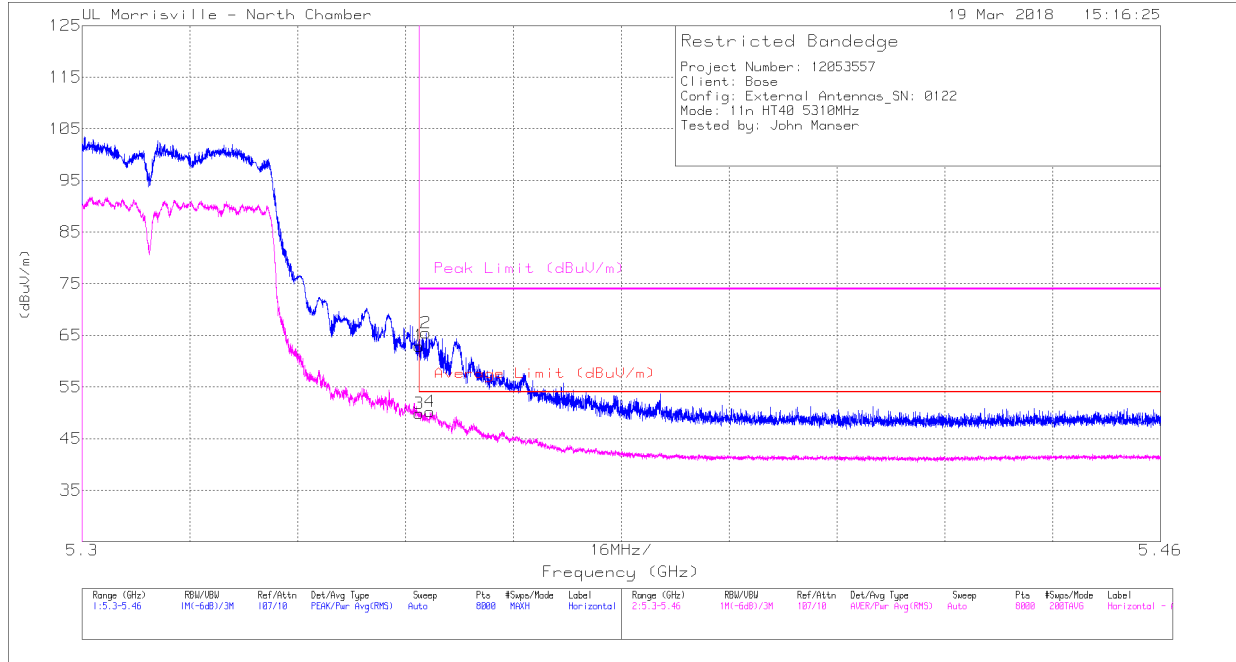
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS7 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 5.35	51.13	Pk	34.4	-22.6	0	62.93	-	-	74	-11.07	19	278	H
2	*** 5.351	53.69	Pk	34.4	-22.6	0	65.49	-	-	74	-8.51	19	278	H
3	*** 5.35	35.41	RMS	34.4	-22.6	2.52	49.73	54	-4.27	-	-	19	278	H
4	*** 5.352	35.81	RMS	34.4	-22.6	2.52	50.13	54	-3.87	-	-	19	278	H

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

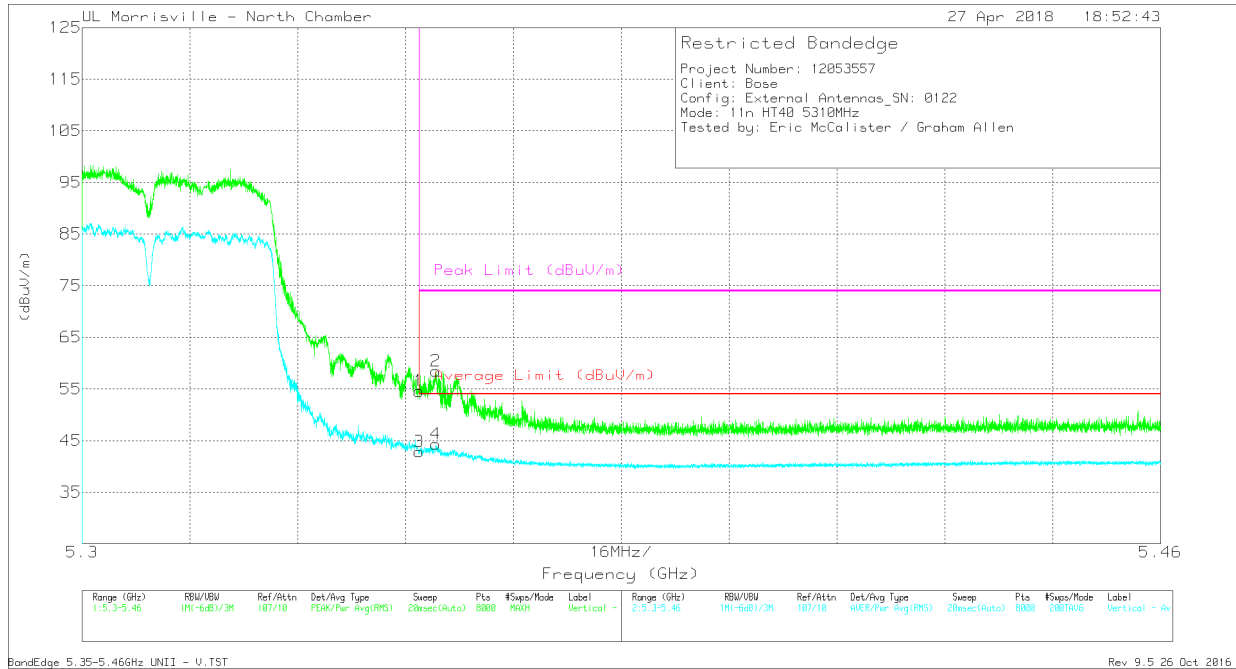
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection



**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS7 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 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	*** 5.35	43.49	Pk	34.3	-23.2	0	54.59	-	-	74	-19.41	342	305	V
2	*** 5.352	47.28	Pk	34.4	-23.2	0	58.48	-	-	74	-15.52	342	305	V
3	*** 5.35	29.25	RMS	34.3	-23.2	2.52	42.87	54	-11.13	-	-	342	305	V
4	*** 5.352	30.56	RMS	34.4	-23.2	2.52	44.28	54	-9.72	-	-	342	305	V

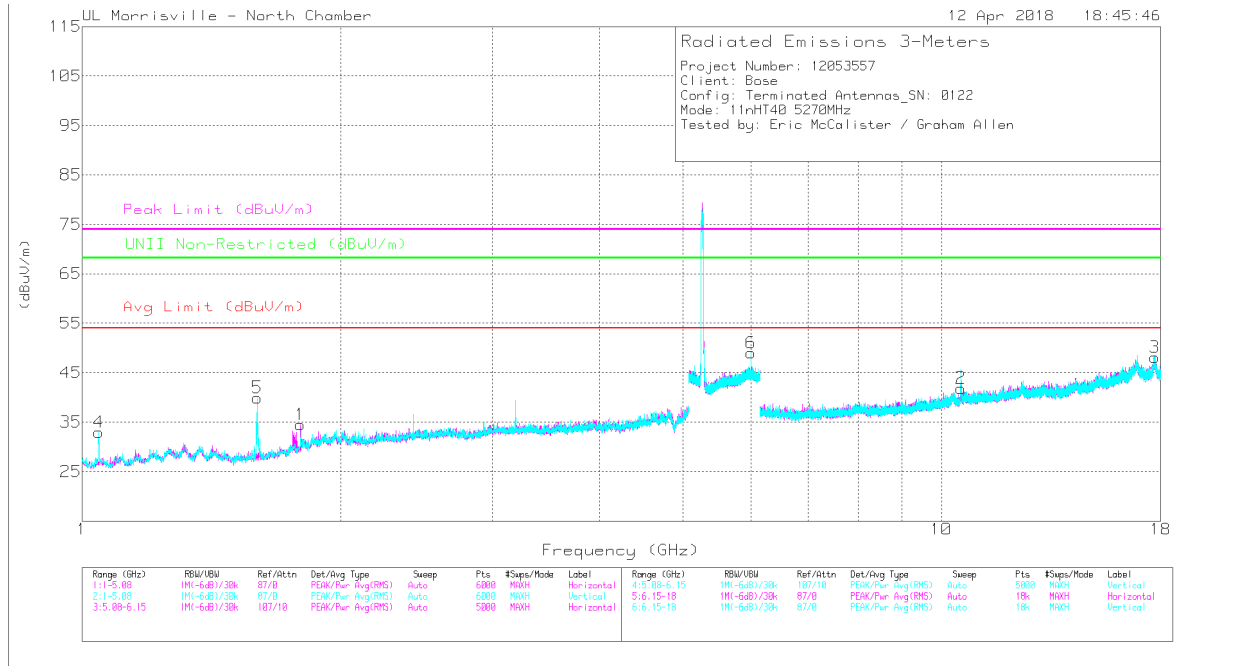
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

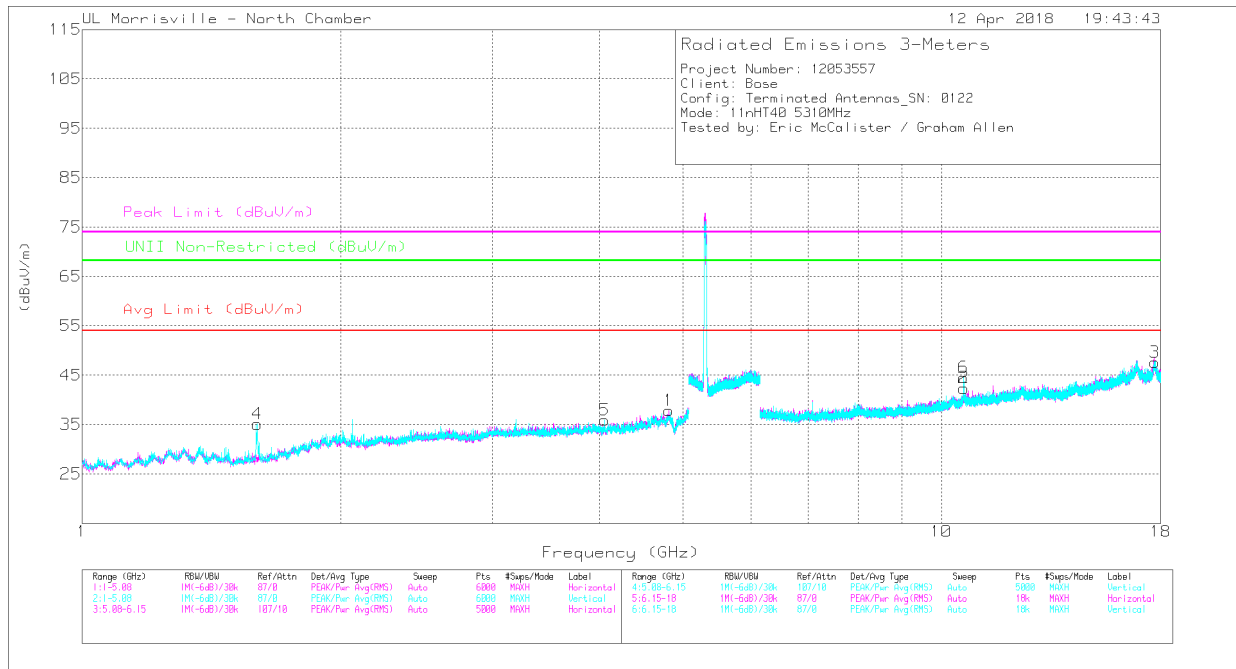
**HARMONICS AND SPURIOUS EMISSIONS**  
**LOW CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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
3	* ** 17.728	34.42	PK-U	41.2	-21.1	0	54.52	-	-	74	-19.48	-	-	97	329	H
	* ** 17.727	22.47	ADR	41.2	-21.1	2.52	45.09	54	-8.91	-	-	-	-	97	329	H
1	1.791	51.83	PK-U	30.1	-35.9	0	46.03	-	-	-	-	68.2	-22.17	261	295	H
2	10.539	37.49	PK-U	37.6	-26.7	0	48.39	-	-	-	-	68.2	-19.81	253	242	H
4	* ** 1.045	46.47	PK-U	27	-37.2	0	36.27	-	-	74	-37.73	-	-	299	117	V
	* ** 1.048	32.72	ADR	27	-37.2	2.52	25.04	54	-28.96	-	-	-	-	299	117	V
5	* ** 1.598	59.77	PK-U	28	-35.9	0	51.87	-	-	74	-22.13	-	-	312	116	V
	* ** 1.599	35.38	ADR	28	-35.9	2.52	30	54	-24	-	-	-	-	312	116	V
6	6	38.73	PK-U	35.1	-21.9	0	51.93	-	-	-	-	68.2	-16.27	196	105	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

**HIGH CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 4.816	41.35	PK-U	34.1	-31.1	0	44.35	-	-	74	-29.65	-	-	327	230	H
	*** 4.816	29.7	ADR	34.1	-31.1	2.52	35.22	54	-18.78	-	-	-	-	327	230	H
2	*** 10.621	36.89	PK-U	37.7	-25.9	0	48.69	-	-	74	-25.31	-	-	316	242	H
	*** 10.621	24.73	ADR	37.7	-25.9	2.52	39.05	54	-14.95	-	-	-	-	316	242	H
3	*** 17.715	34.44	PK-U	41.2	-21.5	0	54.14	-	-	74	-19.86	-	-	344	197	H
	*** 17.714	22.43	ADR	41.2	-21.6	2.52	44.55	54	-9.45	-	-	-	-	344	197	H
4	*** 1.6	57.67	PK-U	28	-35.8	0	49.87	-	-	74	-24.13	-	-	313	115	V
	*** 1.599	33.22	ADR	28	-35.9	2.52	27.84	54	-26.16	-	-	-	-	313	115	V
5	*** 4.055	40.47	PK-U	33.4	-32.6	0	41.27	-	-	74	-32.73	-	-	6	106	V
	*** 4.054	28.75	ADR	33.4	-32.6	2.52	32.07	54	-21.93	-	-	-	-	6	106	V
6	*** 10.612	39.08	PK-U	37.6	-25.9	0	50.78	-	-	74	-23.22	-	-	313	104	V
	*** 10.614	26.97	ADR	37.6	-25.9	2.52	41.19	54	-12.81	-	-	-	-	313	104	V

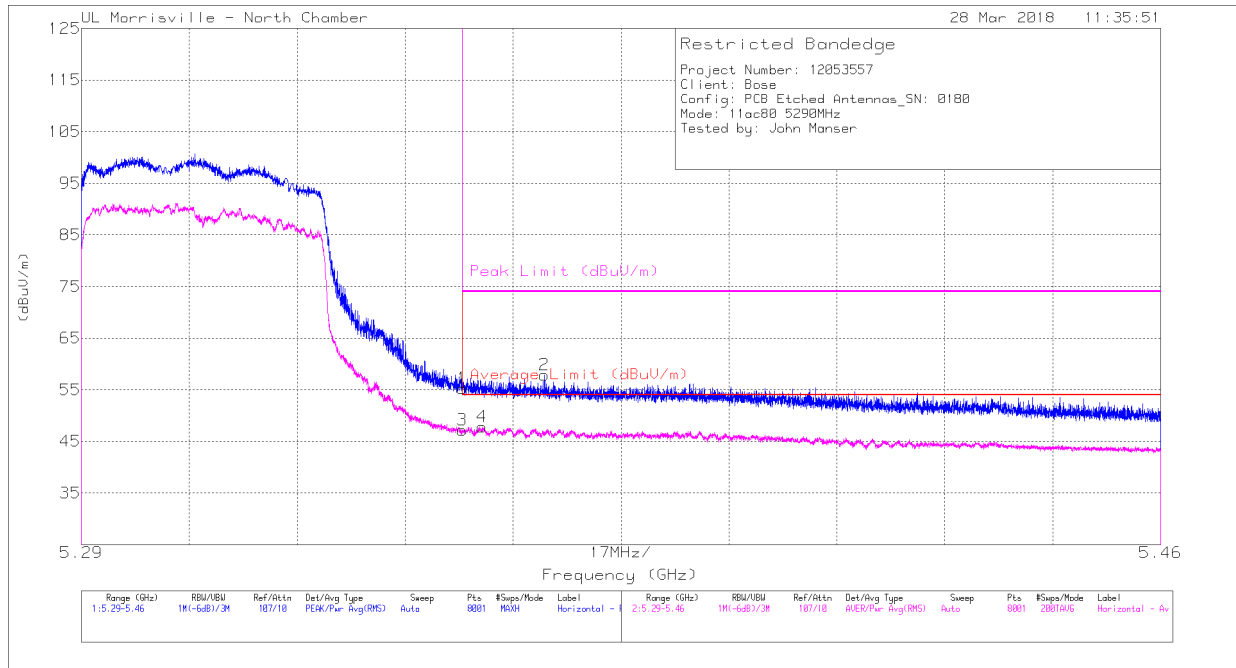
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

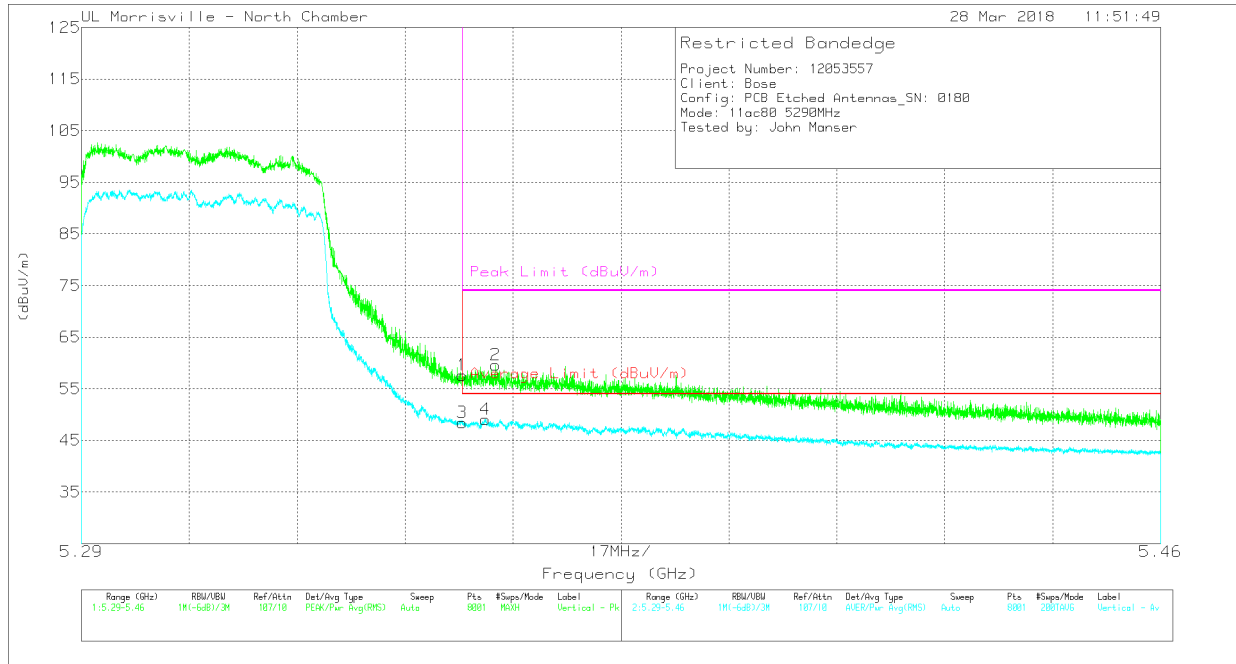
**10.10. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.3 GHz BAND**  
**AUTHORIZED BANDEDGE (5290 MHz) HORIZONTAL MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	* ** 5.35	44.05	Pk	34.4	-23.2	0	55.25	-	-	74	-18.75	180	115	H
2	* ** 5.363	46.72	Pk	34.4	-23.2	0	57.92	-	-	74	-16.08	180	115	H
3	* ** 5.35	32.33	RMS	34.4	-23.2	3.62	47.15	54	-6.85	-	-	180	115	H
4	* ** 5.353	33.02	RMS	34.4	-23.2	3.62	47.84	54	-6.16	-	-	180	115	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**AUTHORIZED BANDEDGE (5290 MHz) Vertical MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 5.35	46.45	Pk	34.4	-23.2	0	57.65	-	-	74	-16.35	153	132	V
2	*** 5.355	48.42	Pk	34.4	-23.2	0	59.62	-	-	74	-14.38	153	132	V
3	*** 5.35	33.57	RMS	34.4	-23.2	3.62	48.39	54	-5.61	-	-	153	132	V
4	*** 5.354	34.26	RMS	34.4	-23.2	3.62	49.08	54	-4.92	-	-	153	132	V

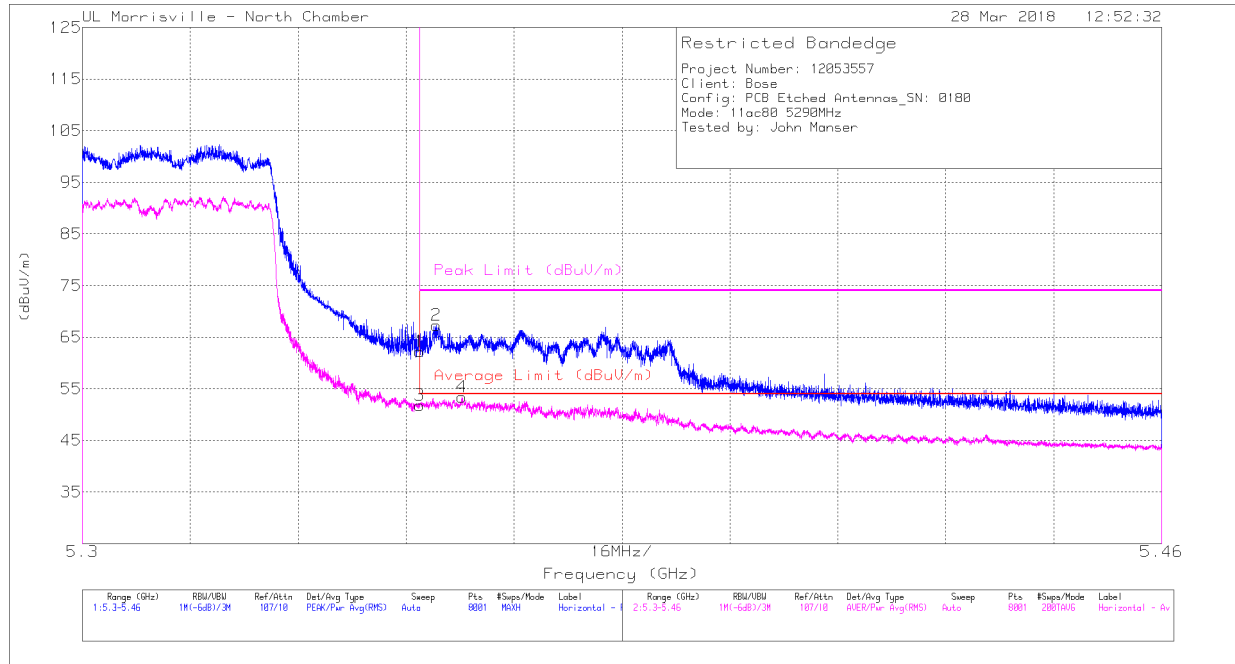
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

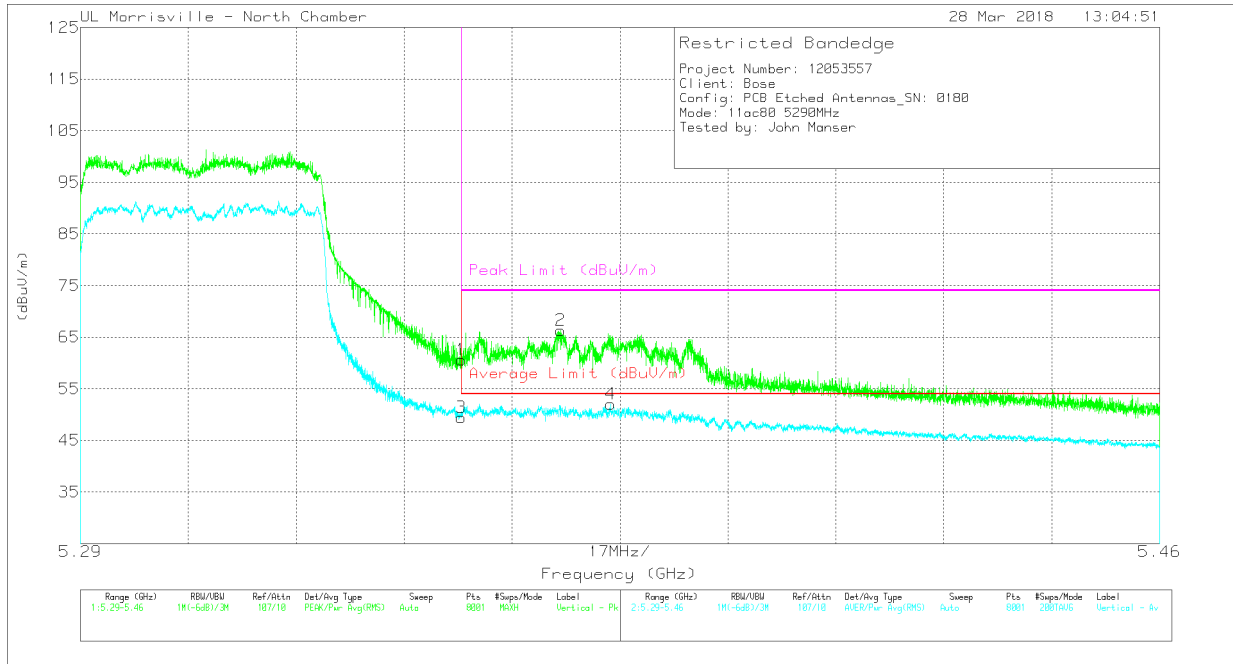
**AUTHORIZED BANDEDGE (5290 MHz) HORIZONTAL MCS9 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 5.35	50.98	Pk	34.4	-23.2	0	62.18	-	-	74	-11.82	185	136	H
2	*** 5.352	56.15	Pk	34.4	-23.2	0	67.35	-	-	74	-6.65	185	136	H
3	*** 5.35	36.98	RMS	34.4	-23.2	3.62	51.8	54	-2.2	-	-	185	136	H
4	*** 5.356	38.61	RMS	34.4	-23.2	3.62	53.43	54	-5.7	-	-	185	136	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

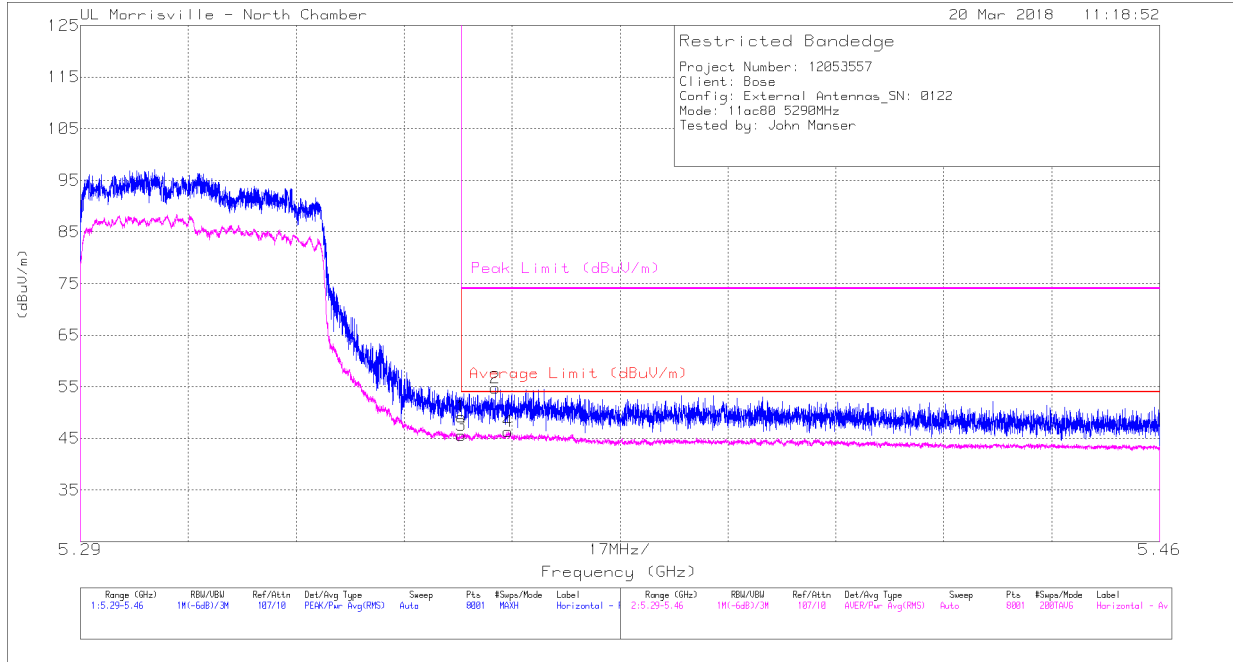
**AUTHORIZED BANDEDGE (5290 MHz) VERTICAL MCS9 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	* ** 5.35	49.34	Pk	34.4	-23.2	0	60.54	-	-	74	-13.46	146	235	V
2	* ** 5.366	55.07	Pk	34.4	-23.2	0	66.27	-	-	74	-7.73	146	235	V
3	* ** 5.35	34.56	RMS	34.4	-23.2	3.62	49.38	54	-4.62	-	-	146	235	V
4	* ** 5.374	37.18	RMS	34.4	-23.2	3.62	52	54	-2	-	-	146	235	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**AUTHORIZED BANDEDGE (5290 MHz) HORIZONTAL MCS0 EXTERNAL ANTENNA**

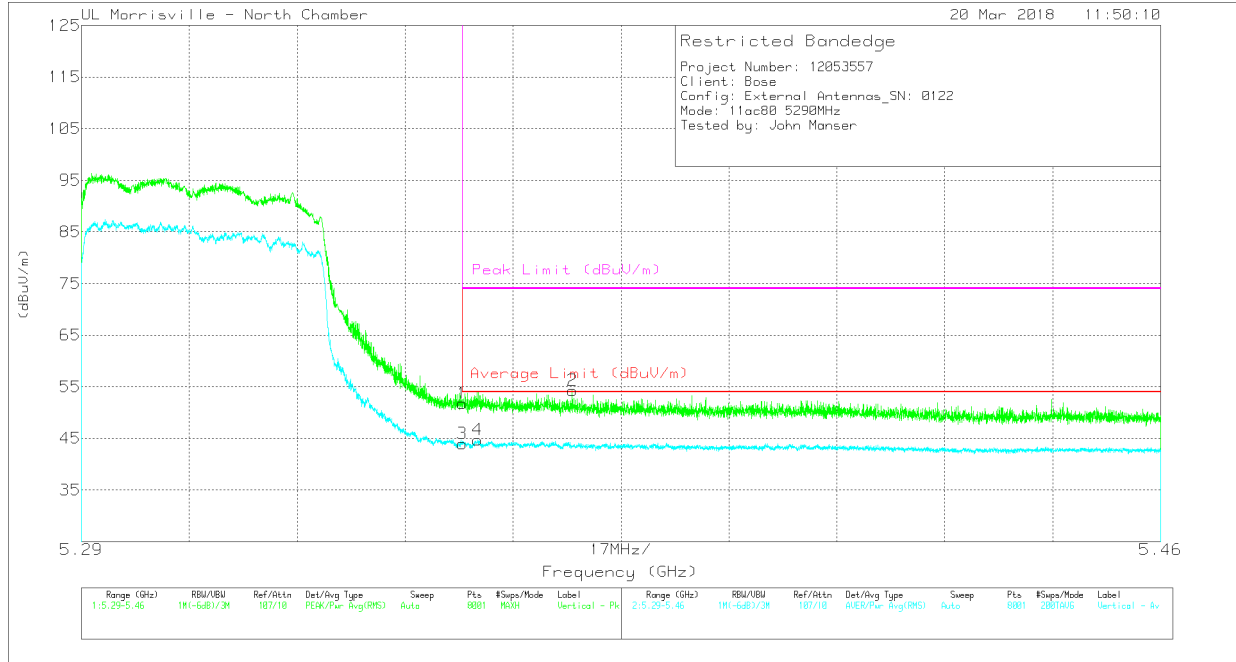


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35	37.36	Pk	34.4	-22.6	0	49.16	-	-	74	-24.84	55	250	H
2	*** 5.355	43.01	Pk	34.4	-22.6	0	54.81	-	-	74	-19.19	55	250	H
3	*** 5.35	30.21	RMS	34.4	-22.6	3.62	45.63	54	-8.37	-	-	55	250	H
4	*** 5.357	30.88	RMS	34.4	-22.6	3.62	46.3	54	-7.7	-	-	55	250	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection



**AUTHORIZED BANDEDGE (5290 MHz) VERTICAL MCS0 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 5.35	40.02	Pk	34.4	-22.6	0	51.82	-	-	74	-22.18	123	286	V
2	*** 5.367	42.41	Pk	34.4	-22.6	0	54.21	-	-	74	-19.79	123	286	V
3	*** 5.35	28.56	RMS	34.4	-22.6	3.62	43.98	54	-10.02	-	-	123	286	V
4	*** 5.352	29.27	RMS	34.4	-22.6	3.62	44.69	54	-9.31	-	-	123	286	V

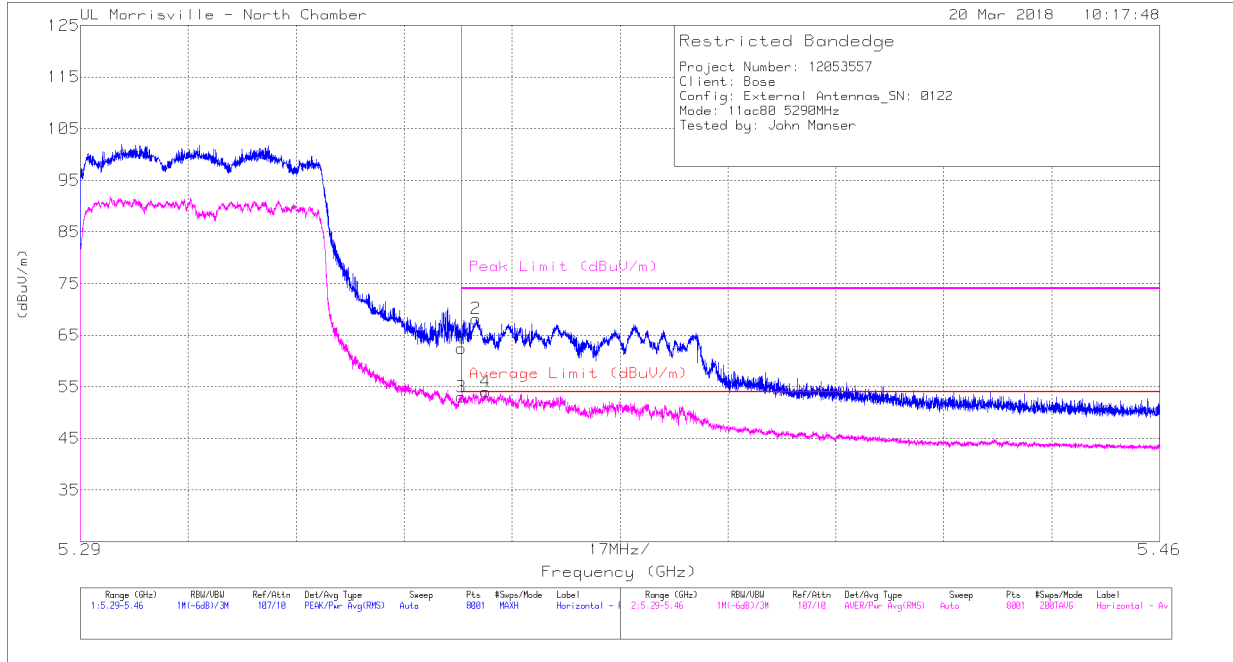
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (5290 MHz) HORIZONTAL MCS9 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 5.35	50.68	Pk	34.4	-22.6	0	62.48	-	-	74	-11.52	48	272	H
2	*** 5.352	56.34	Pk	34.4	-22.6	0	68.14	-	-	74	-5.86	48	272	H
3	*** 5.35	37.58	RMS	34.4	-22.6	3.62	53	54	-1	-	-	48	272	H
4	*** 5.354	38.54	RMS	34.4	-22.6	3.62	53.96	54	-0.04	-	-	48	272	H

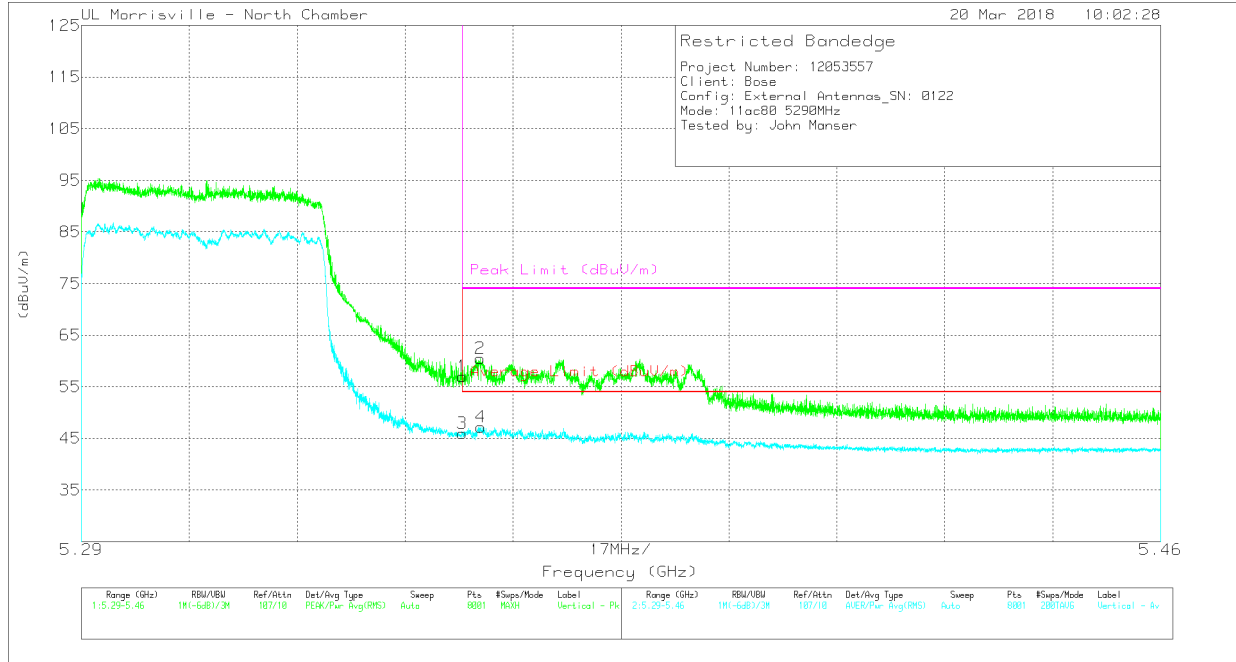
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (5290 MHz) VERTICAL MCS9 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 5.35	45.16	Pk	34.4	-22.6	0	56.96	-	-	74	-17.04	120	248	V
2	*** 5.353	48.64	Pk	34.4	-22.6	0	60.44	-	-	74	-13.56	120	248	V
3	*** 5.35	30.48	RMS	34.4	-22.6	3.62	45.9	54	-8.1	-	-	120	248	V
4	*** 5.353	31.78	RMS	34.4	-22.6	3.62	47.2	54	-6.8	-	-	120	248	V

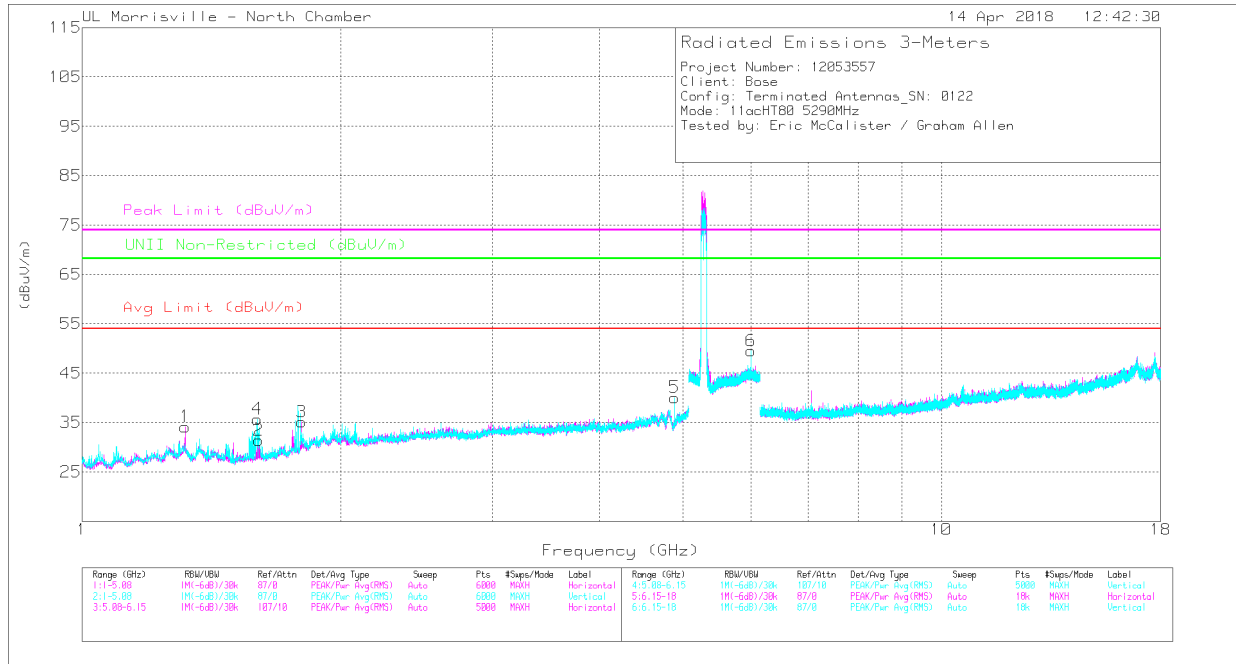
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

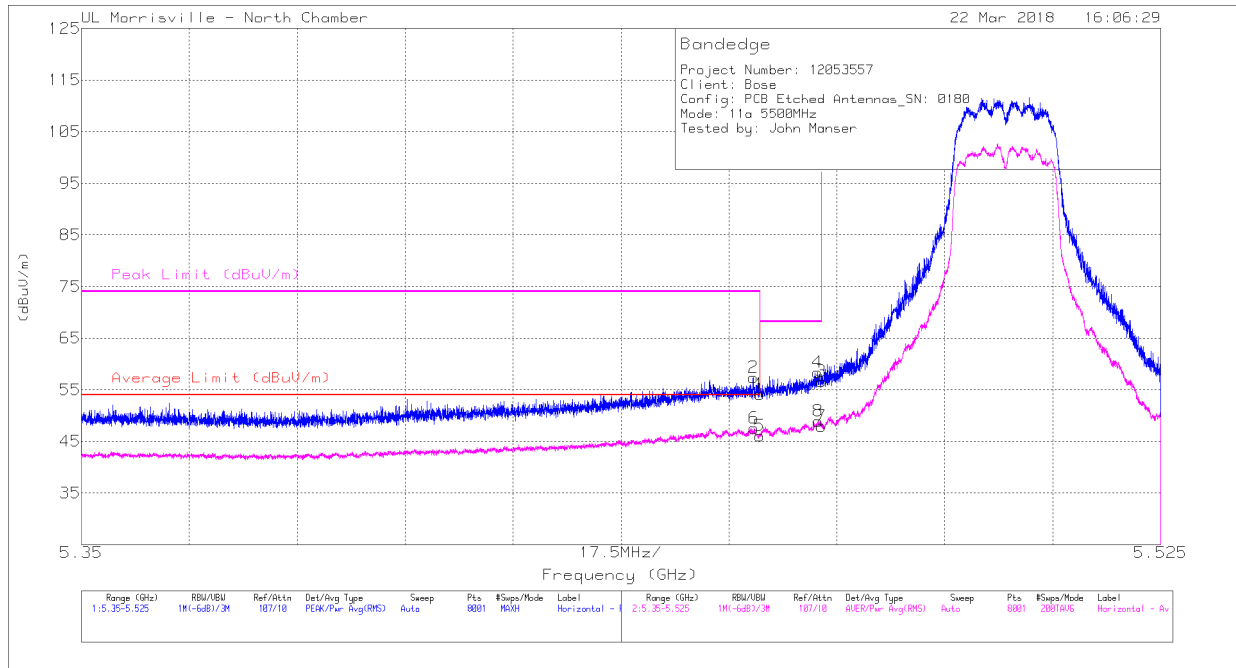
**HARMONICS AND SPURIOUS EMISSIONS**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	* ** 1.317	44.02	PK-U	29.2	-36.4	0	36.82	-	-	74	-37.18	-	-	147	362	H
	* ** 1.316	32.09	ADR	29.2	-36.4	3.62	28.51	54	-25.49	-	-	-	-	147	362	H
2	* ** 1.605	48.46	PK-U	28.1	-35.8	0	40.76	-	-	74	-33.24	-	-	262	158	H
	* ** 1.606	32.33	ADR	28.1	-35.8	3.62	28.25	54	-25.75	-	-	-	-	262	158	H
4	* ** 1.598	54.54	PK-U	28	-35.9	0	46.64	-	-	74	-27.36	-	-	352	223	V
	* ** 1.598	32.2	ADR	28	-35.9	3.62	27.92	54	-26.08	-	-	-	-	352	223	V
5	* ** 4.894	40.52	PK-U	34	-31.9	0	42.62	-	-	74	-31.38	-	-	111	106	V
	* ** 4.897	28.31	ADR	34	-31.9	3.62	34.03	54	-19.97	-	-	-	-	111	106	V
3	1.799	50.22	PK-U	30.2	-36	0	44.42	-	-	-	-	68.2	-23.78	273	235	H
6	6	40.84	PK-U	35.1	-21.9	0	54.04	-	-	-	-	68.2	-14.16	265	106	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

**10.11. TX ABOVE 1 GHz 802.11a MODE IN THE 5.6 GHz BAND**  
**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL 6Mbps PCB ANTENNA**



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	43.14	Pk	34.5	-23.5	0	54.14	-	-	74	-19.86	37	133	H
2	* ** 5.459	46.36	Pk	34.5	-23.5	0	57.36	-	-	74	-16.64	37	133	H
5	* ** 5.46	31.68	RMS	34.5	-23.5	3.41	46.09	54	-7.91	-	-	37	133	H
6	* ** 5.459	33.11	RMS	34.5	-23.5	3.41	47.52	54	-6.48	-	-	37	133	H
4	5.469	47.44	Pk	34.5	-23.6	0	58.34	-	-	68.2	-9.86	37	133	H
8	5.469	34.57	RMS	34.5	-23.6	3.41	48.88	-	-	-	-	37	133	H
3	5.47	45.68	Pk	34.5	-23.6	0	56.58	-	-	68.2	-11.62	37	133	H
7	5.47	33.67	RMS	34.5	-23.6	3.41	47.98	-	-	-	-	37	133	H

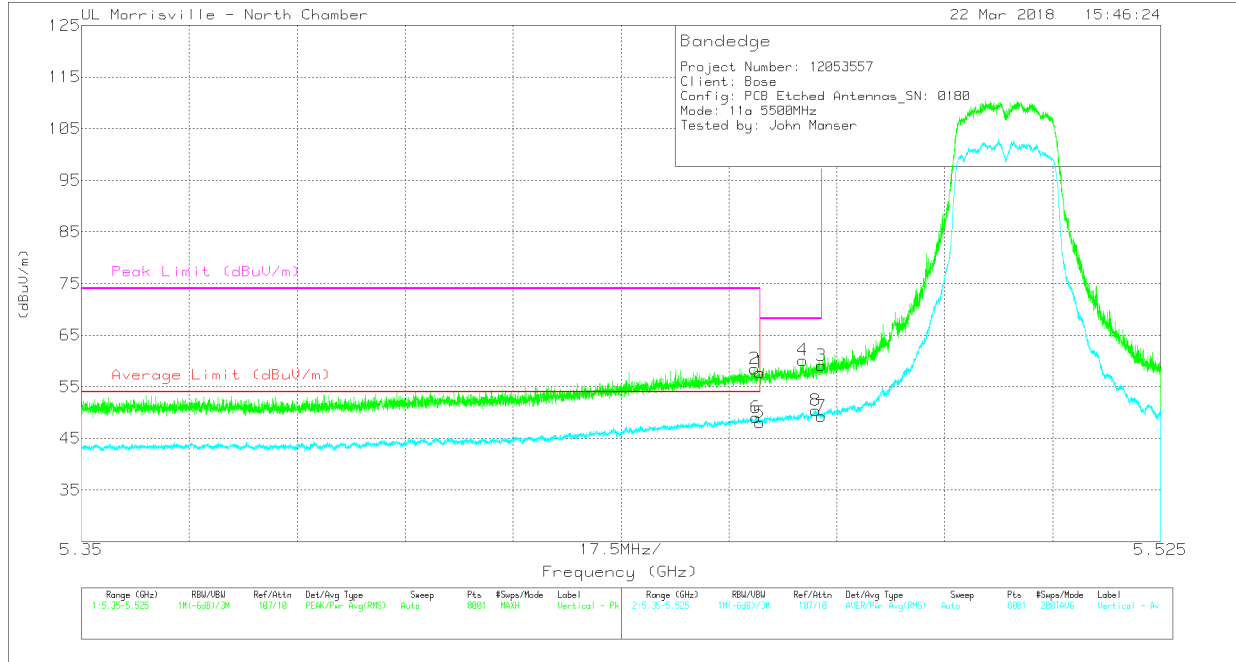
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL 6Mbps PCB ANTENNA**



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	46.8	Pk	34.5	-23.5	0	57.8	-	-	74	-16.2	122	117	V
2	*** 5.459	47.53	Pk	34.5	-23.5	0	58.53	-	-	74	-15.47	122	117	V
5	*** 5.46	33.7	RMS	34.5	-23.5	3.41	48.11	54	-5.89	-	-	122	117	V
6	*** 5.459	34.69	RMS	34.5	-23.5	3.41	49.1	54	-4.9	-	-	122	117	V
4	5.467	49.26	Pk	34.5	-23.6	0	60.16	-	-	68.2	-8.04	122	117	V
8	5.469	36.14	RMS	34.5	-23.6	3.41	50.45	-	-	-	-	122	117	V
3	5.47	48.21	Pk	34.5	-23.6	0	59.11	-	-	68.2	-9.09	122	117	V
7	5.47	34.98	RMS	34.5	-23.6	3.41	49.29	-	-	-	-	122	117	V

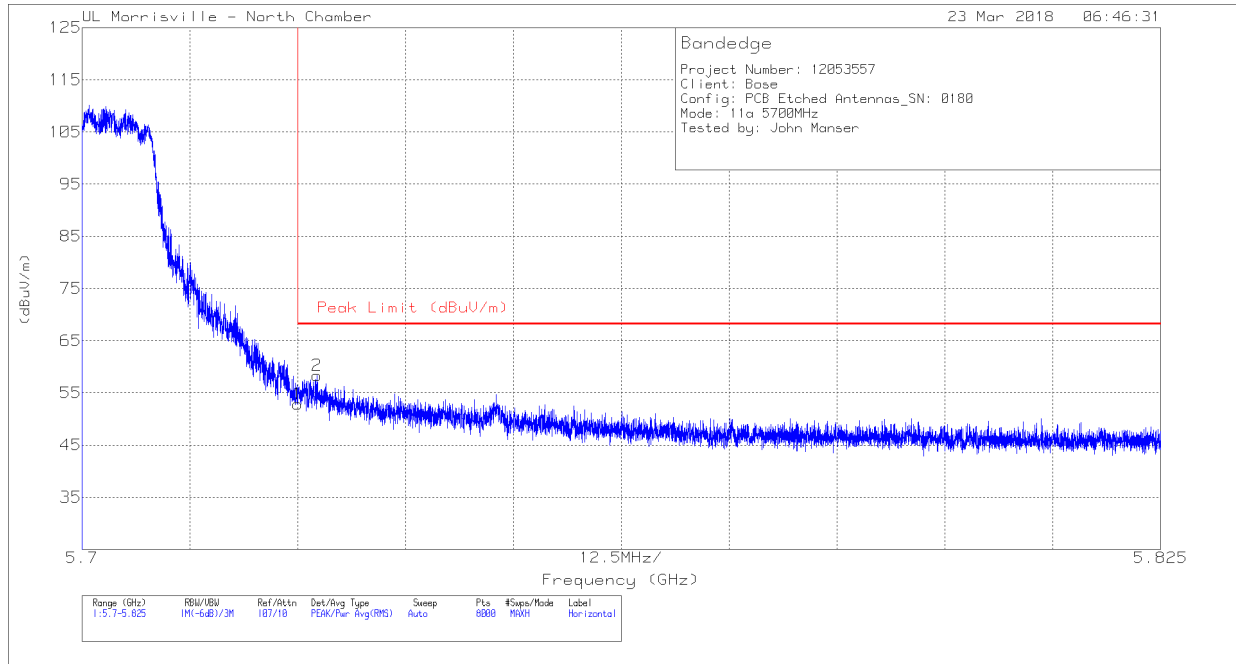
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL 6Mbps PCB ANTENNA**



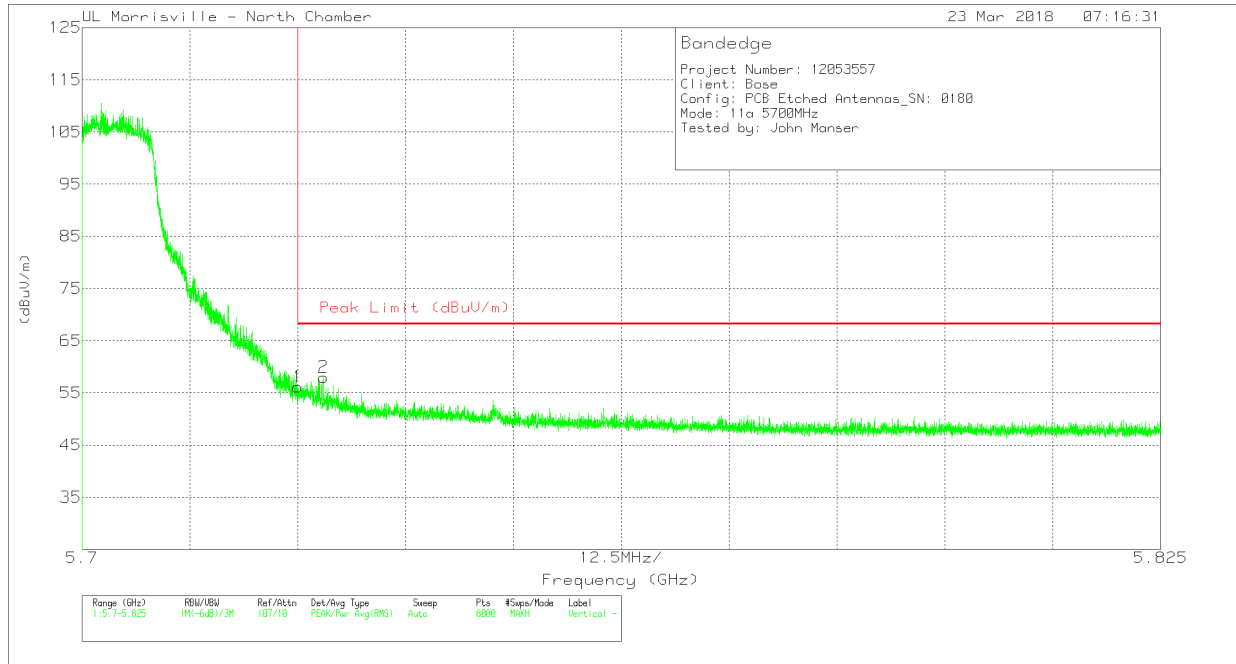
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.66	Pk	34.6	-23.4	0	52.86	68.2	-15.34	338	250	H
2	5.727	47.14	Pk	34.6	-23.4	0	58.34	68.2	-9.86	338	250	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL 6Mbps PCB ANTENNA**

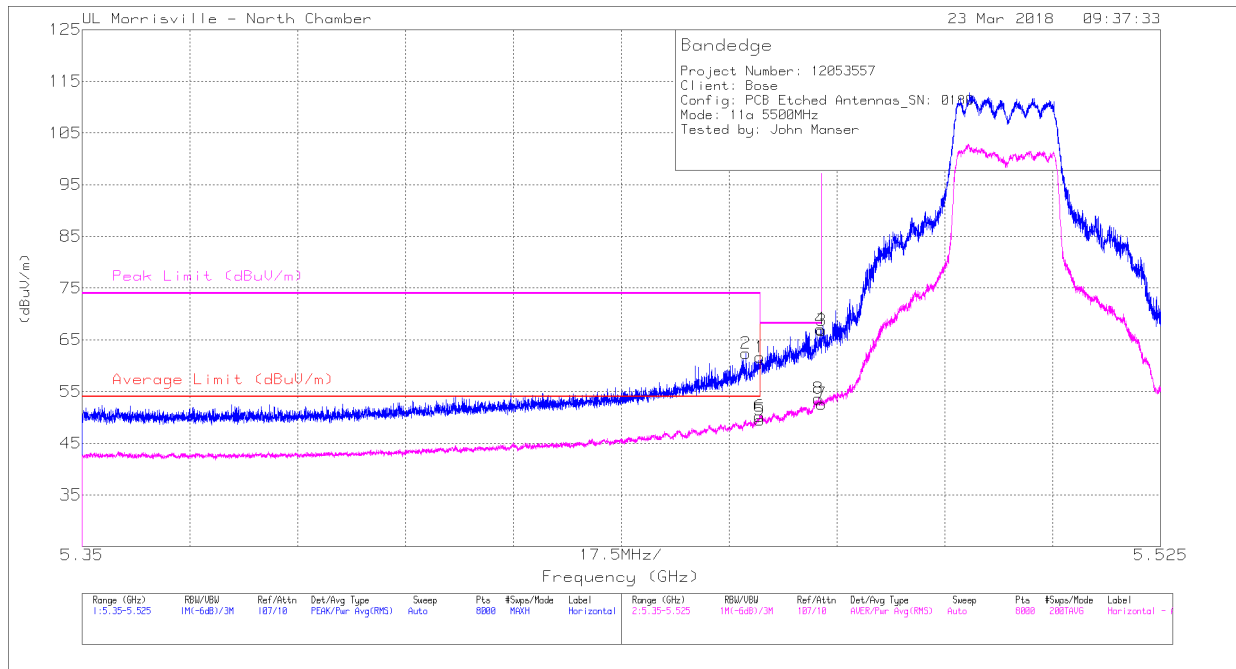


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.92	Pk	34.6	-23.4	0	56.12	68.2	-12.08	277	220	V
2	5.728	46.81	Pk	34.6	-23.4	0	58.01	68.2	-10.19	277	220	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector



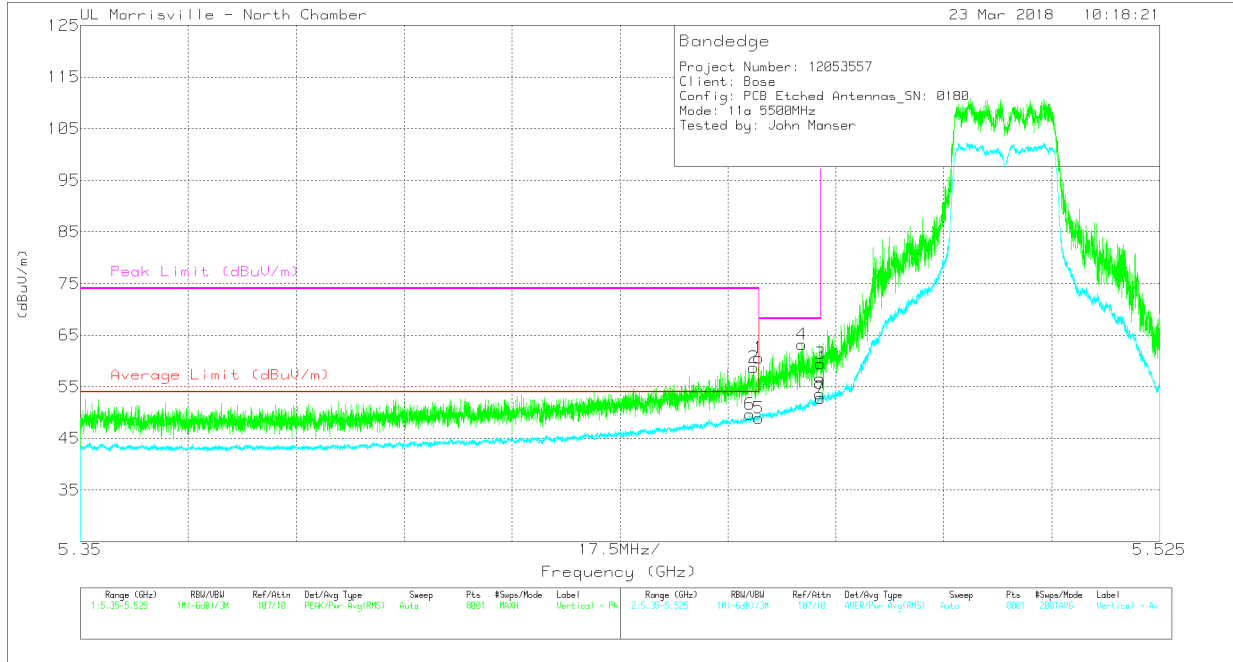
**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL 54Mbps PCB ANTENNA**



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	50.64	Pk	34.5	-23.5	0	61.64	-	-	74	-12.36	326	231	H
2	*** 5.458	51.41	Pk	34.5	-23.5	0	62.41	-	-	74	-11.59	326	231	H
5	*** 5.46	35.4	RMS	34.5	-23.5	3.41	49.81	54	-4.19	-	-	326	231	H
6	*** 5.46	36.09	RMS	34.5	-23.5	3.41	50.5	54	-3.5	-	-	326	231	H
8	5.469	39.59	RMS	34.5	-23.6	3.41	53.9	-	-	-	-	326	231	H
3	5.47	55.88	Pk	34.5	-23.6	0	66.78	-	-	68.2	-1.42	326	231	H
4	5.47	56.2	Pk	34.5	-23.6	0	67.1	-	-	68.2	-1.1	326	231	H
7	5.47	38.58	RMS	34.5	-23.6	3.41	52.89	-	-	-	-	326	231	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL 54Mbps PCB ANTENNA**



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	49.54	Pk	34.5	-23.5	0	60.54	-	-	74	-13.46	27	109	V
2	*** 5.459	47.75	Pk	34.5	-23.5	0	58.75	-	-	74	-15.25	27	109	V
5	*** 5.46	34.55	RMS	34.5	-23.5	3.41	48.96	54	-5.04	-	-	27	109	V
6	*** 5.459	35.29	RMS	34.5	-23.5	3.41	49.7	54	-4.3	-	-	27	109	V
4	5.467	52.31	Pk	34.5	-23.6	0	63.21	-	-	68.2	-4.99	27	109	V
3	5.47	48.55	Pk	34.5	-23.6	0	59.45	-	-	68.2	-8.75	27	109	V
7	5.47	38.53	RMS	34.5	-23.6	3.41	52.84	-	-	-	-	27	109	V
8	5.47	39.35	RMS	34.5	-23.6	3.41	53.66	-	-	-	-	27	109	V

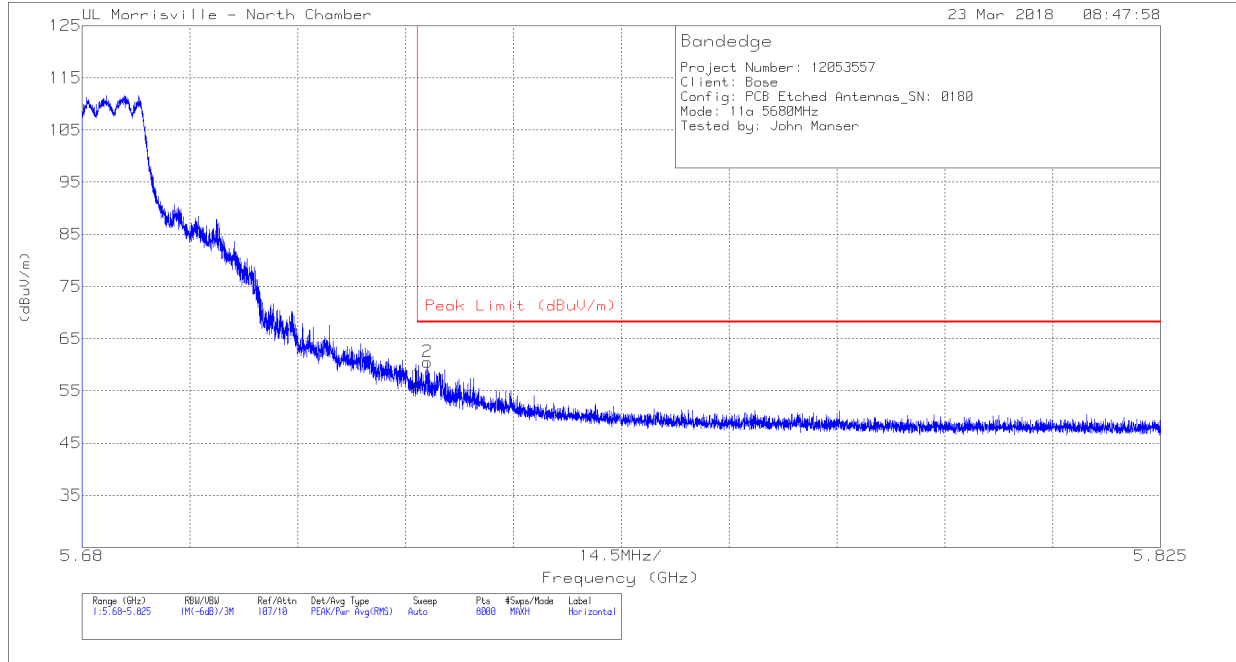
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (5680 MHz) HORIZONTAL 54Mbps PCB ANTENNA**



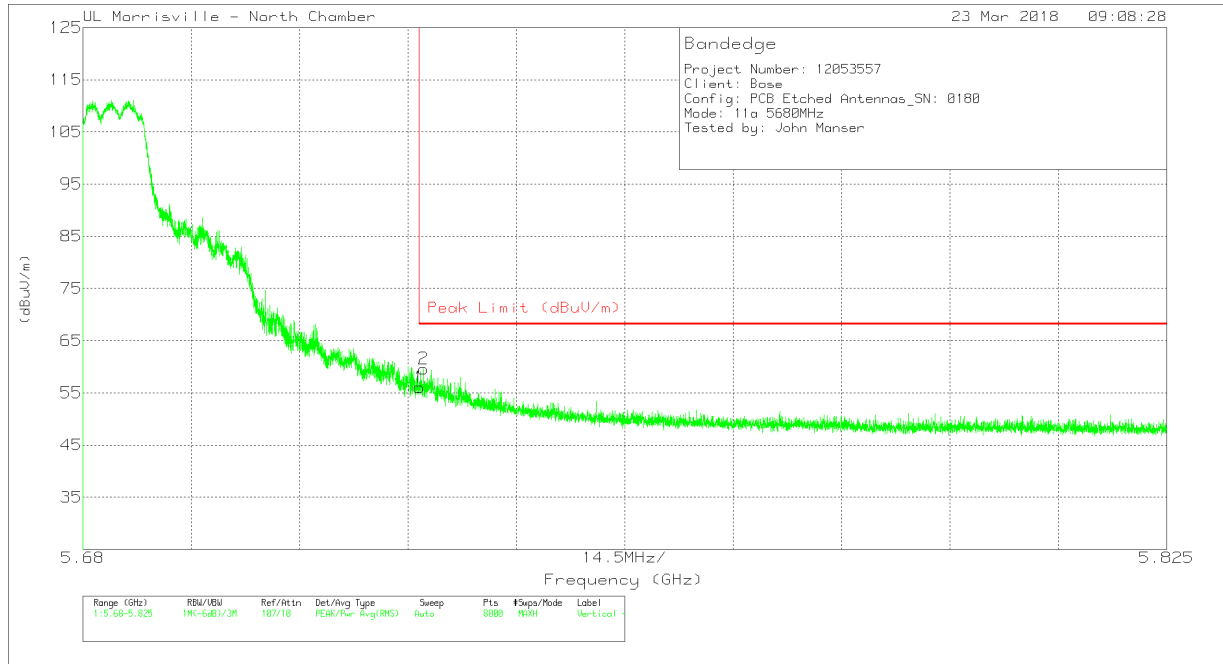
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.99	Pk	34.6	-23.4	0	56.19	68.2	-12.01	338	235	H
2	5.726	49.37	Pk	34.6	-23.4	0	60.57	68.2	-7.63	338	235	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (5680 MHz) VERTICAL 54Mbps PCB ANTENNA**



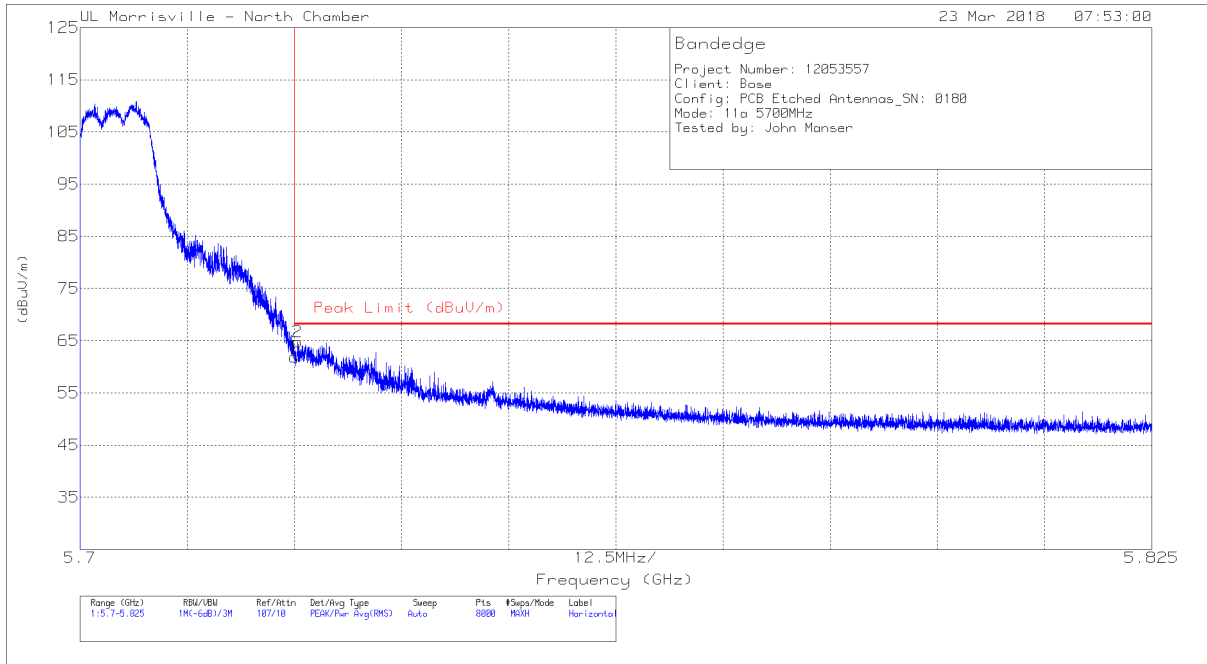
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.84	Pk	34.6	-23.4	0	56.04	68.2	-12.16	253	243	V
2	5.726	48.42	Pk	34.6	-23.4	0	59.62	68.2	-8.58	253	243	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL 54Mbps PCB ANTENNA**



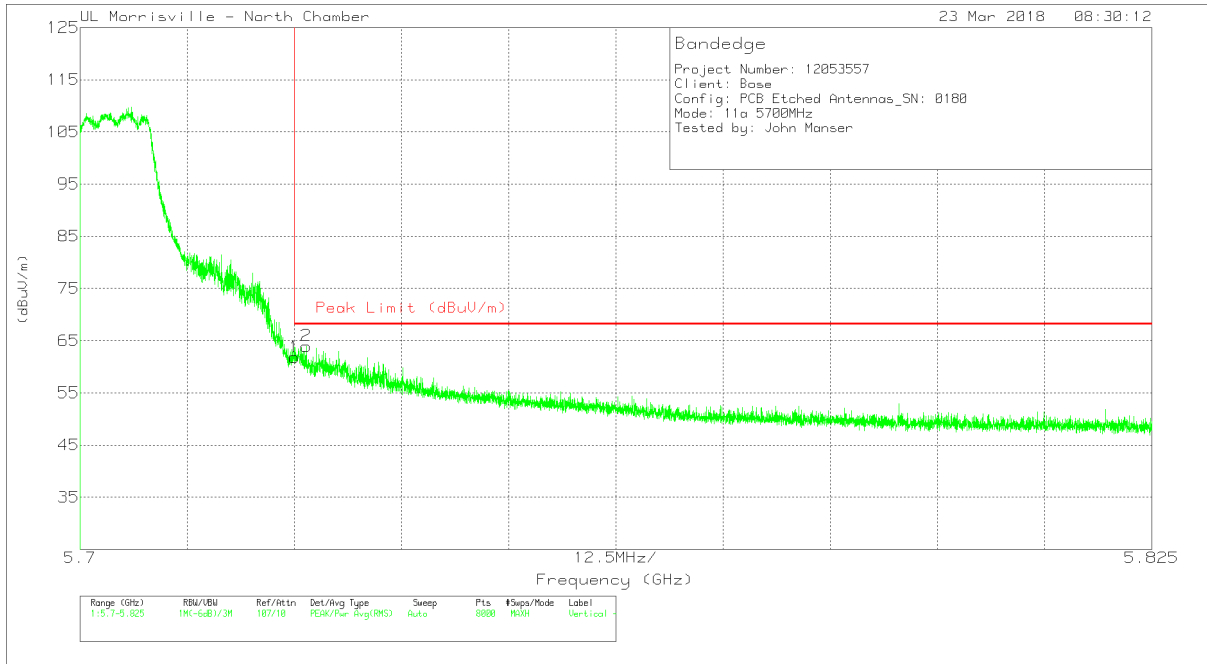
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	50.71	Pk	34.6	-23.4	0	61.91	68.2	-6.29	335	227	H
2	5.725	53.55	Pk	34.6	-23.4	0	64.75	68.2	-3.45	335	227	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL 54Mbps PCB ANTENNA**



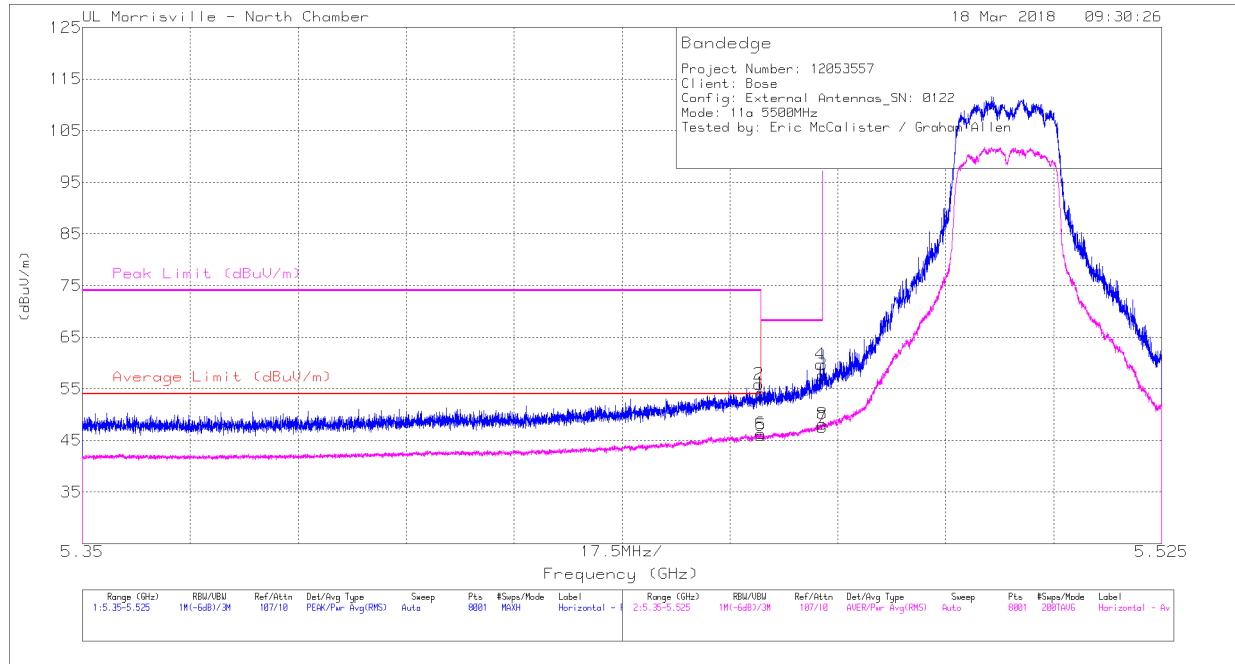
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0069 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	50.63	Pk	34.6	-23.4	0	61.83	68.2	-6.37	5	226	V
2	5.726	52.78	Pk	34.6	-23.4	0	63.98	68.2	-4.22	5	226	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL 6Mbps EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	42.09	Pk	34.5	-22.5	0	54.09	-	-	74	-19.91	37	315	H
2	*** 5.46	43.84	Pk	34.5	-22.5	0	55.84	-	-	74	-18.16	37	315	H
5	*** 5.46	30.55	RMS	34.5	-22.5	3.41	45.96	54	-8.04	-	-	37	315	H
6	*** 5.46	30.9	RMS	34.5	-22.5	3.41	46.31	54	-7.69	-	-	37	315	H
3	5.47	45.68	Pk	34.5	-22.5	0	57.68	-	-	68.2	-10.52	37	315	H
4	5.47	47.77	Pk	34.5	-22.5	0	59.77	-	-	68.2	-8.43	37	315	H
7	5.47	32.2	RMS	34.5	-22.5	3.41	47.61	-	-	-	-	37	315	H
8	5.47	32.75	RMS	34.5	-22.5	3.41	48.16	-	-	-	-	37	315	H

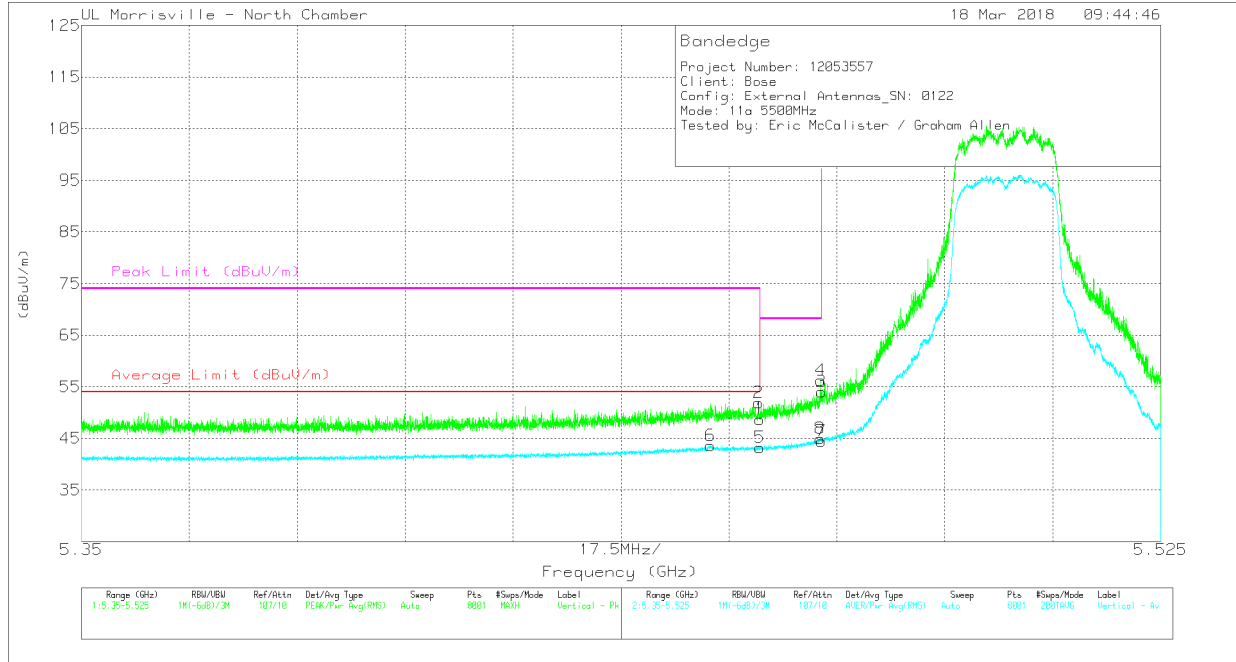
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL 6Mbps EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	36.74	Pk	34.5	-22.5	0	48.74	-	-	74	-25.26	131	113	V
2	*** 5.46	39.93	Pk	34.5	-22.5	0	51.93	-	-	74	-22.07	131	113	V
5	*** 5.46	27.84	RMS	34.5	-22.5	3.41	43.25	54	-10.75	-	-	131	113	V
6	*** 5.452	28.11	RMS	34.5	-22.4	3.41	43.62	54	-10.38	-	-	131	113	V
3	5.47	41.97	Pk	34.5	-22.5	0	53.97	-	-	68.2	-14.23	131	113	V
4	5.47	44.29	Pk	34.5	-22.5	0	56.29	-	-	68.2	-11.91	131	113	V
7	5.47	29.07	RMS	34.5	-22.5	3.41	44.48	-	-	-	-	131	113	V
8	5.47	29.52	RMS	34.5	-22.5	3.41	44.93	-	-	-	-	131	113	V

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

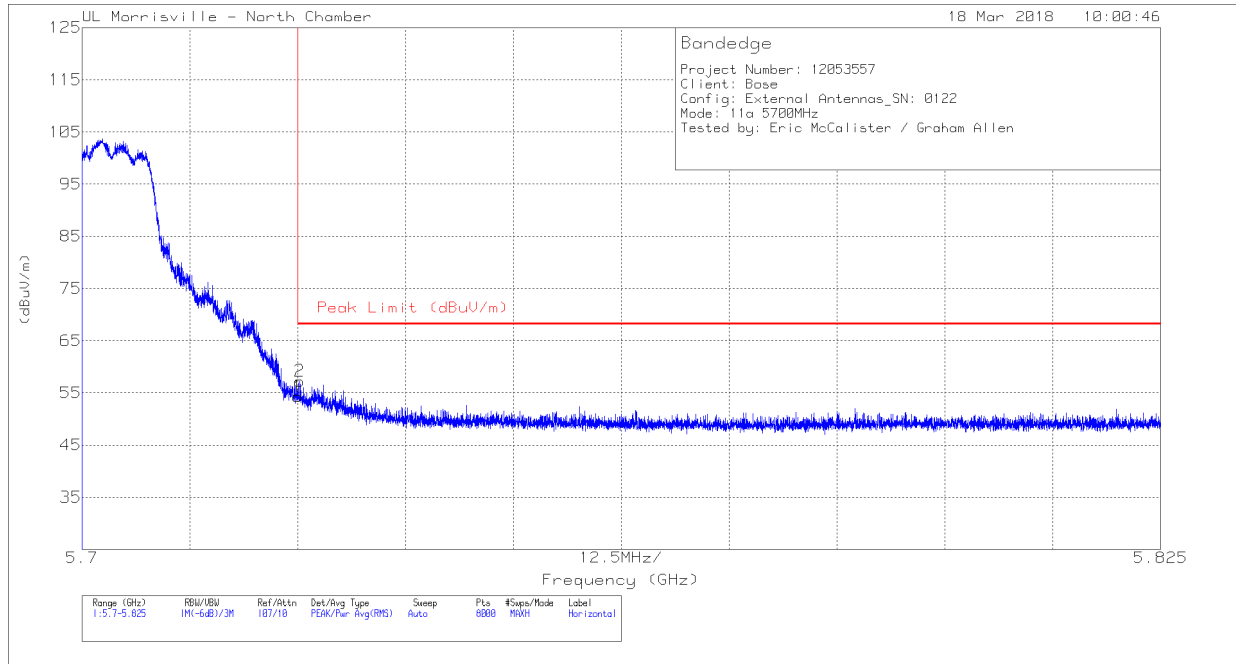
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection



**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL 6Mbps EXTERNAL ANTENNA**



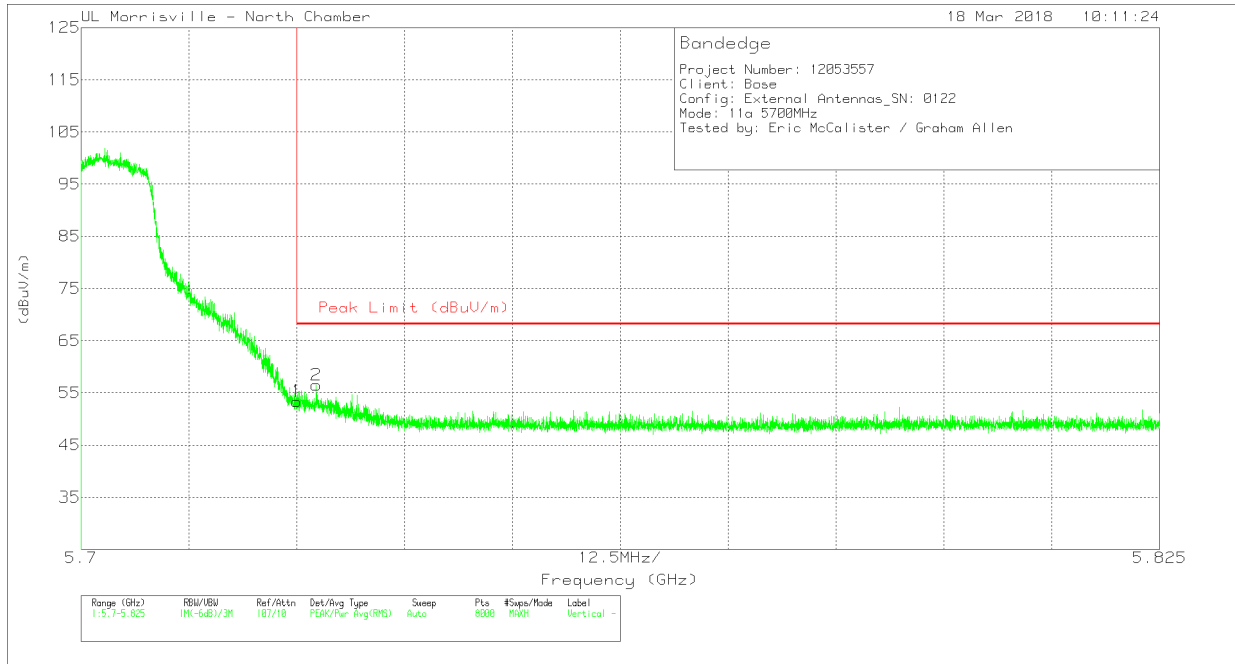
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.94	Pk	34.7	-22.3	0	54.34	68.2	-13.86	35	102	H
2	5.725	44.86	Pk	34.7	-22.3	0	57.26	68.2	-10.94	35	102	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL 6Mbps EXTERNAL ANTENNA**



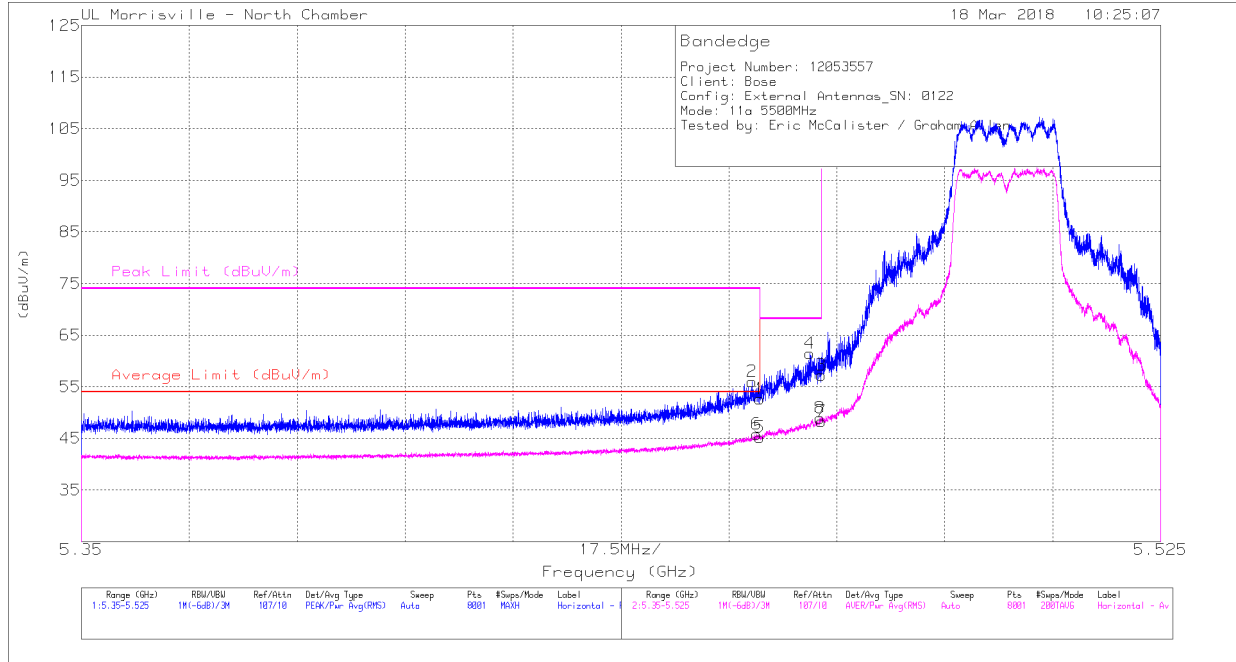
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.99	Pk	34.7	-22.3	0	53.39	68.2	-14.81	148	109	V
2	5.727	44.09	Pk	34.7	-22.3	0	56.49	68.2	-11.71	148	109	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL 54Mbps EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	40.69	Pk	34.5	-22.5	0	52.69	-	-	74	-21.31	19	118	H
2	* ** 5.459	44.02	Pk	34.5	-22.5	0	56.02	-	-	74	-17.98	19	118	H
5	* ** 5.46	29.79	RMS	34.5	-22.5	3.41	45.2	54	-8.8	-	-	19	118	H
6	* ** 5.459	30.42	RMS	34.5	-22.5	3.41	45.83	54	-8.17	-	-	19	118	H
4	5.468	49.42	Pk	34.5	-22.5	0	61.42	-	-	68.2	-6.78	19	118	H
3	5.47	45.21	Pk	34.5	-22.5	0	57.21	-	-	68.2	-10.99	19	118	H
7	5.47	32.9	RMS	34.5	-22.5	3.41	48.31	-	-	-	-	19	118	H
8	5.47	33.54	RMS	34.5	-22.5	3.41	48.95	-	-	-	-	19	118	H

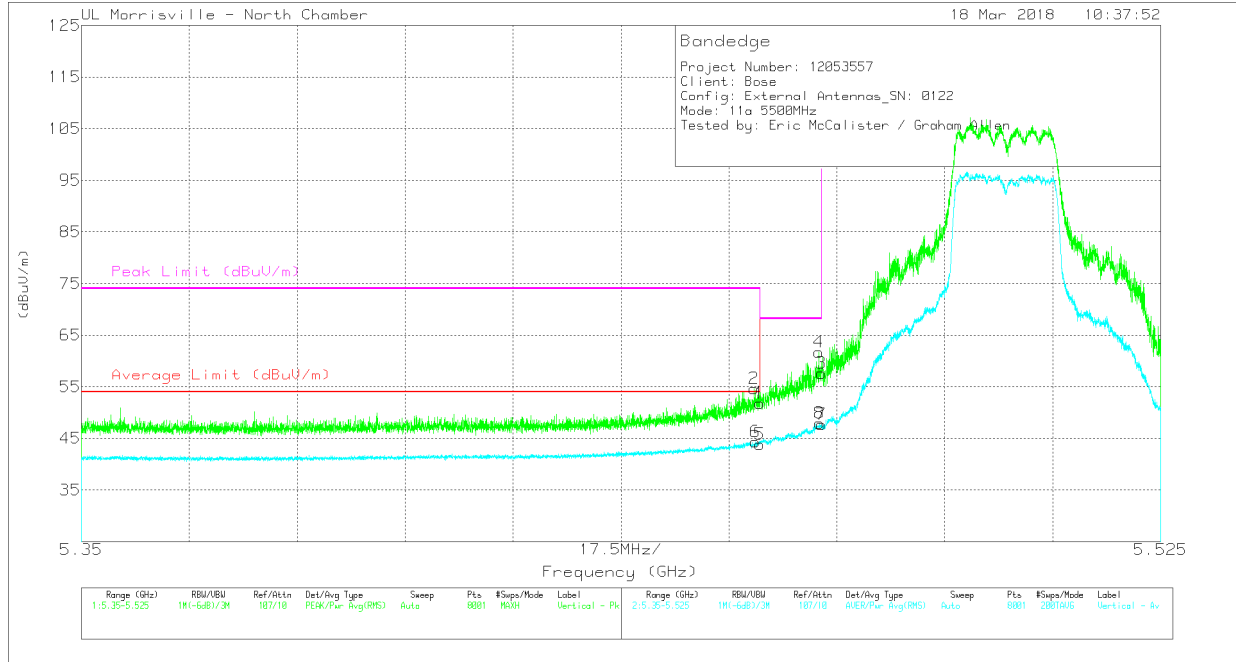
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL 54Mbps EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	39.84	Pk	34.5	-22.5	0	51.84	-	-	74	-22.16	132	319	V
2	*** 5.459	42.68	Pk	34.5	-22.5	0	54.68	-	-	74	-19.32	132	319	V
5	*** 5.46	28.48	RMS	34.5	-22.5	3.41	43.89	54	-10.11	-	-	132	319	V
6	*** 5.459	28.94	RMS	34.5	-22.5	3.41	44.35	54	-9.65	-	-	132	319	V
3	5.47	45.63	Pk	34.5	-22.5	0	57.63	-	-	68.2	-10.57	132	319	V
4	5.47	49.71	Pk	34.5	-22.5	0	61.71	-	-	68.2	-6.49	132	319	V
7	5.47	32.22	RMS	34.5	-22.5	3.41	47.63	-	-	-	-	132	319	V
8	5.47	32.48	RMS	34.5	-22.5	3.41	47.89	-	-	-	-	132	319	V

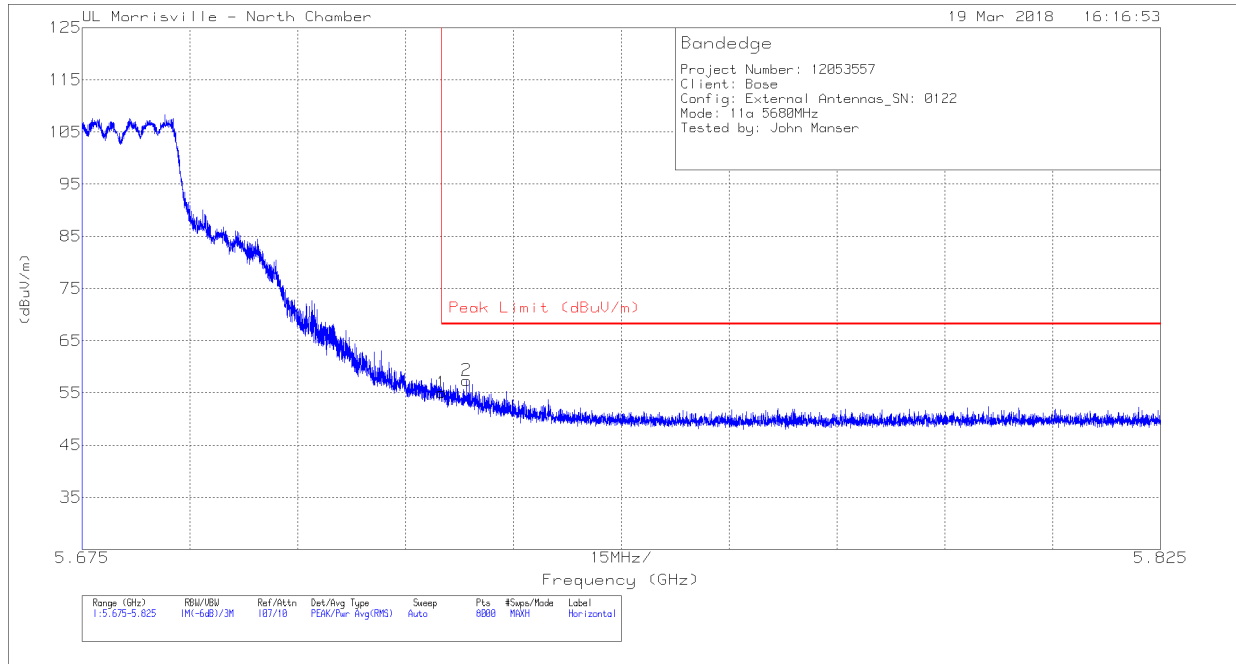
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (5680 MHz) HORIZONTAL 54Mbps EXTERNAL ANTENNA**



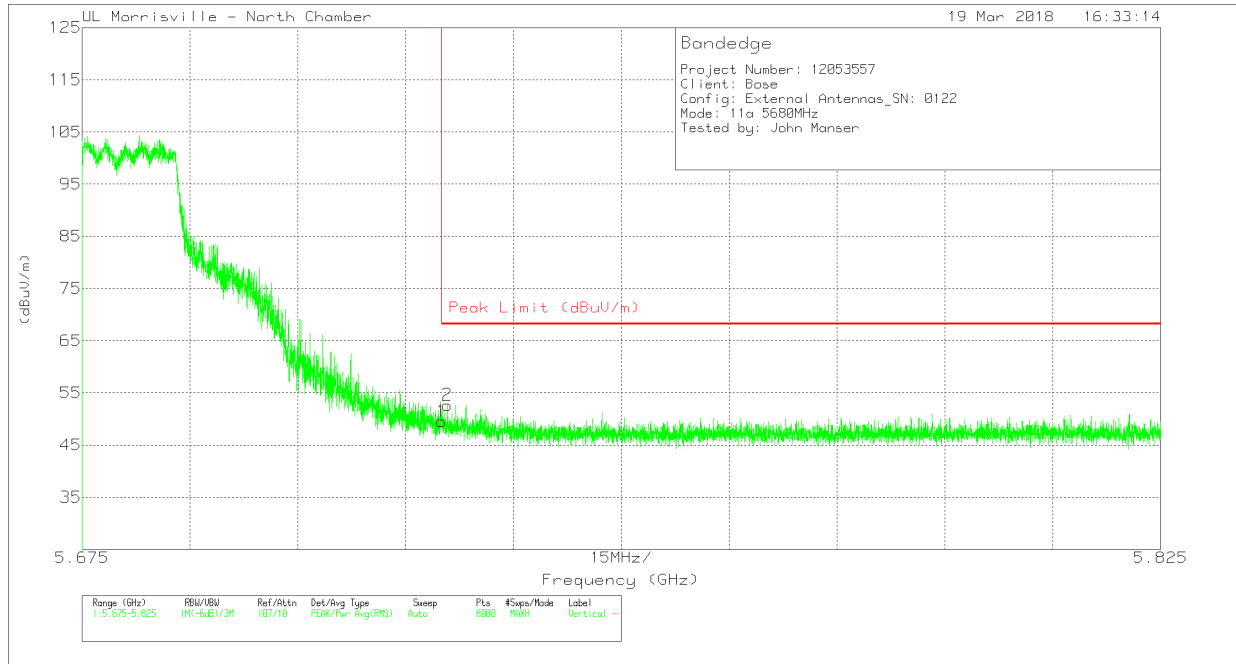
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.61	Pk	34.7	-22.3	0	55.01	68.2	-13.19	53	203	H
2	5.728	45	Pk	34.7	-22.3	0	57.4	68.2	-10.8	53	203	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (5680 MHz) VERTICAL 54Mbps EXTERNAL ANTENNA**



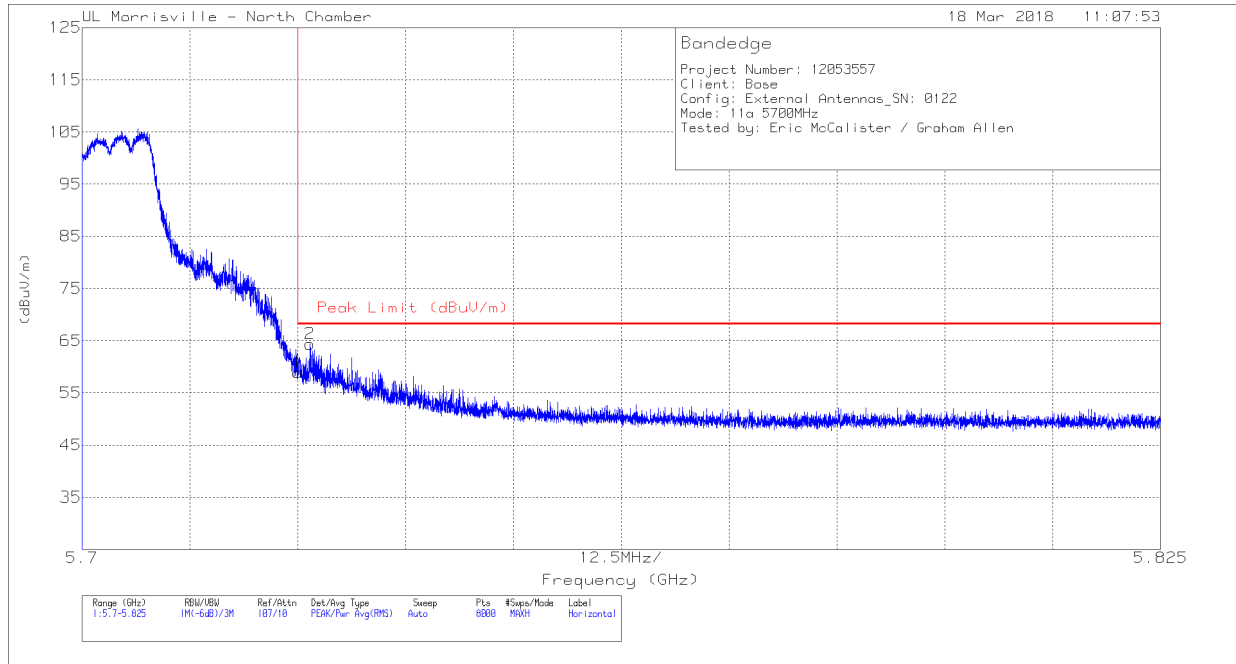
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.2	Pk	34.7	-22.3	0	49.6	68.2	-18.6	137	103	V
2	5.726	40.26	Pk	34.7	-22.3	0	52.66	68.2	-15.54	137	103	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL 54Mbps EXTERNAL ANTENNA**



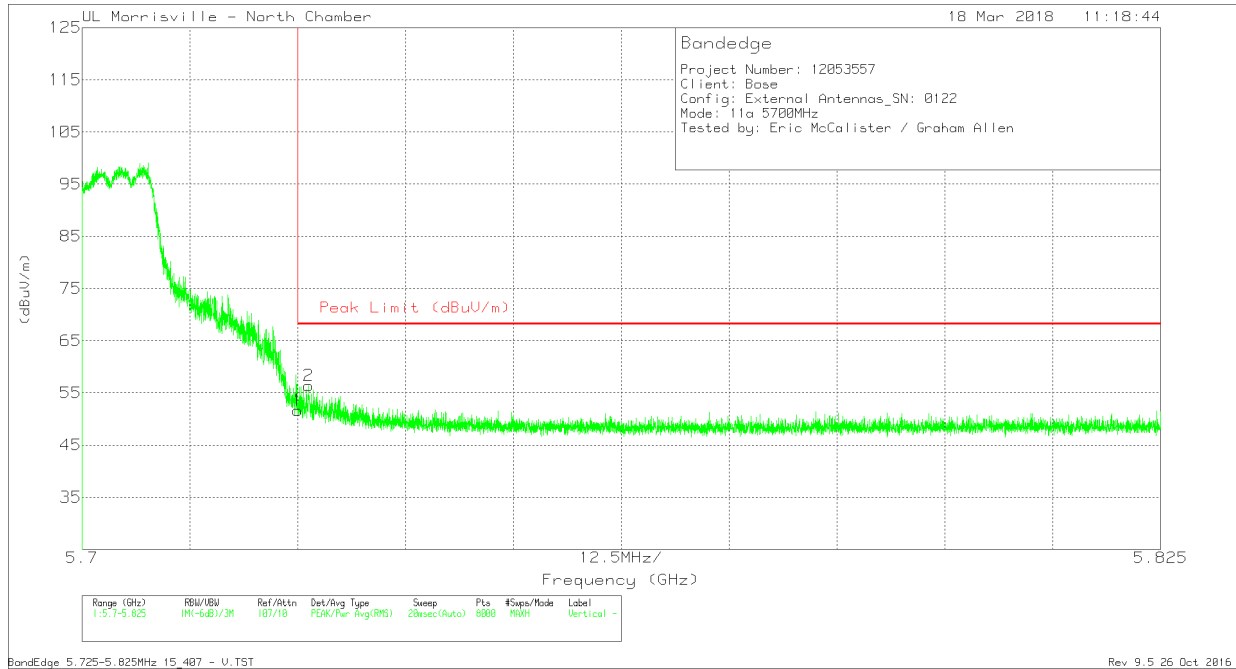
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	46.5	Pk	34.7	-22.3	0	58.9	68.2	-9.3	45	250	H
2	5.726	51.96	Pk	34.7	-22.3	0	64.36	68.2	-3.84	45	250	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL 54Mbps EXTERNAL ANTENNA**



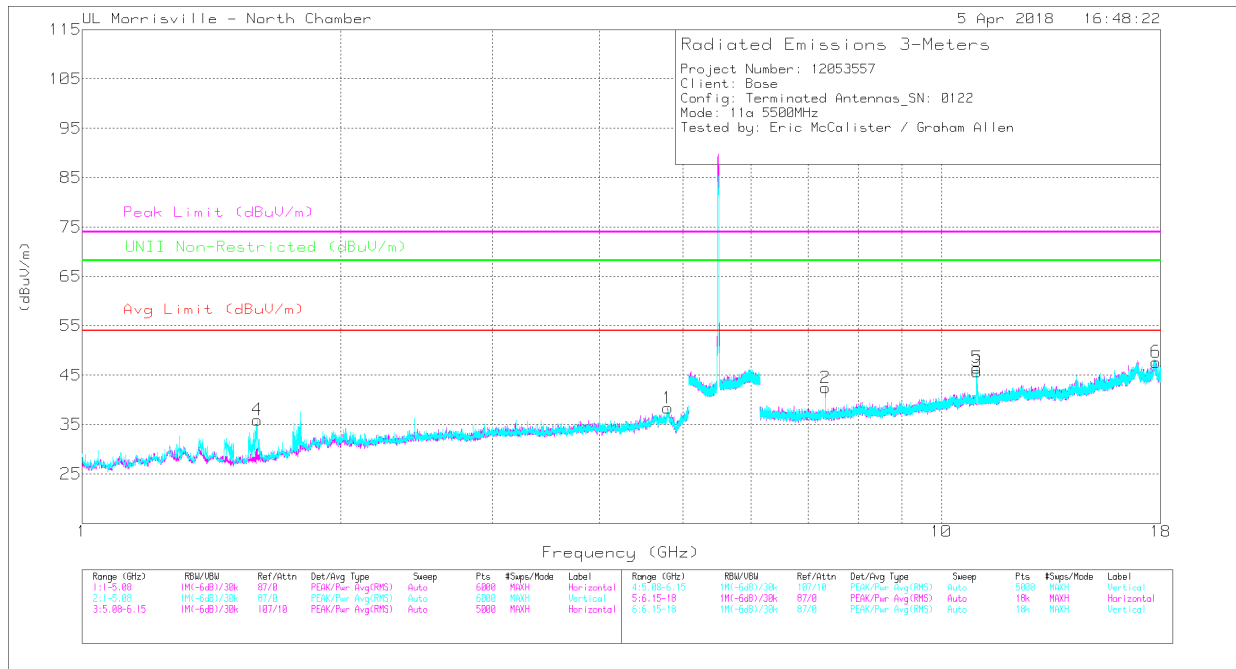
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.25	Pk	34.7	-22.3	0	51.65	68.2	-16.55	187	268	V
2	5.726	43.94	Pk	34.7	-22.3	0	56.34	68.2	-11.86	187	268	V

Pk - Peak detector



**HARMONICS AND SPURIOUS EMISSIONS**

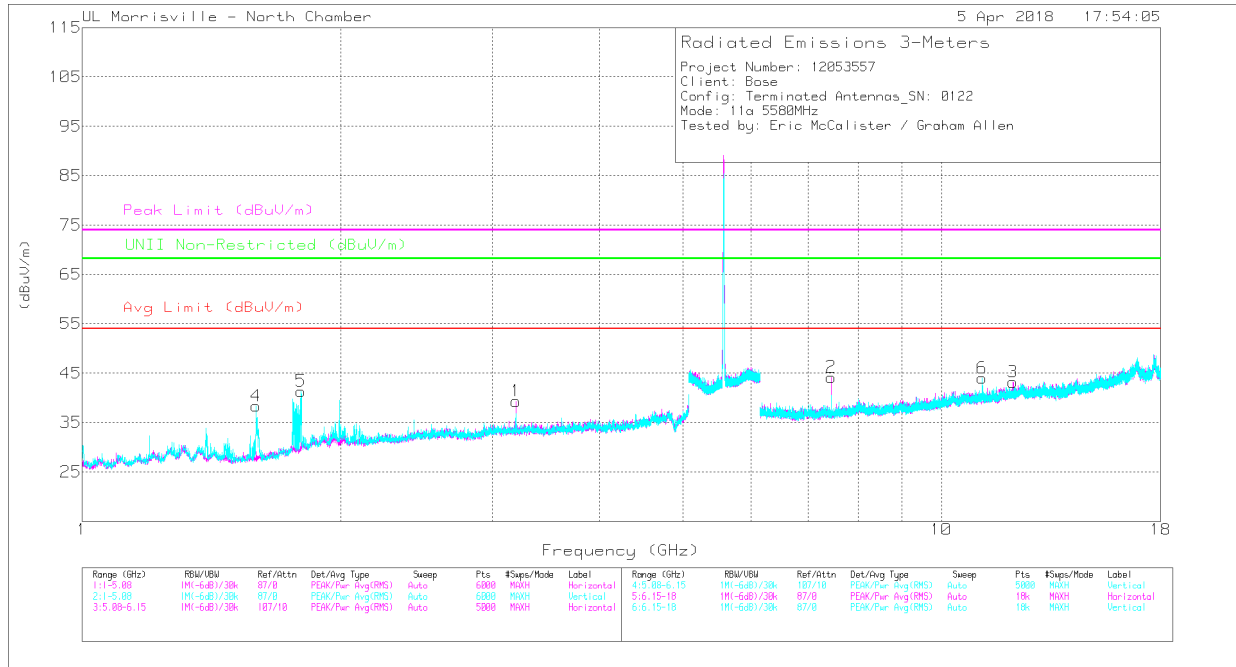
**LOW CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 4.805	41.48	PK-U	34.1	-31.1	0	44.48	-	-	74	-29.52	-	-	174	335	H
	*** 4.805	29.88	ADR	34.1	-31.1	3.41	36.29	54	-17.71	-	-	-	-	174	335	H
4	*** 1.598	51.63	PK-U	28	-35.9	0	43.73	-	-	74	-30.27	-	-	295	147	V
	*** 1.6	32.17	ADR	28	-35.8	3.41	27.78	54	-26.22	-	-	-	-	295	147	V
2	*** 7.333	42.4	PK-U	35.6	-29.9	0	48.1	-	-	74	-25.9	-	-	270	206	H
	*** 7.333	36.24	ADR	35.6	-29.9	3.41	45.35	54	-8.65	-	-	-	-	270	206	H
3	*** 11.001	39.22	PK-U	37.8	-26	0	51.02	-	-	74	-22.98	-	-	295	114	H
	*** 11.001	26.93	ADR	37.8	-26	3.41	42.14	54	-11.86	-	-	-	-	295	114	H
5	*** 10.995	42	PK-U	37.8	-25.9	0	53.9	-	-	74	-20.1	-	-	312	103	V
	*** 10.996	28.85	ADR	37.8	-25.9	3.41	44.16	54	-9.84	-	-	-	-	312	103	V
6	*** 17.781	34.59	PK-U	41.2	-22.4	0	53.39	-	-	74	-20.61	-	-	308	106	V
	*** 17.782	22.29	ADR	41.2	-22.4	3.41	44.5	54	-9.5	-	-	-	-	308	106	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

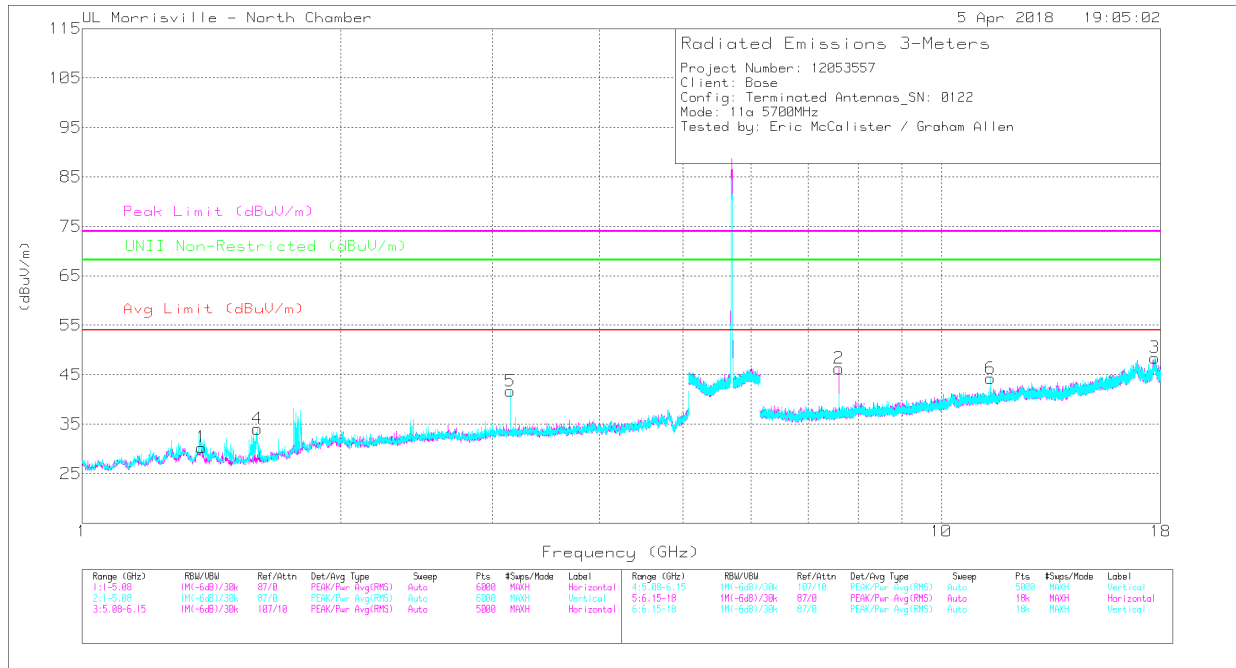
**MID CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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
4	*** 1.594	54.6	PK-U	27.9	-35.9	0	46.6	-	-	74	-27.4	-	-	309	161	V
	*** 1.593	32.63	ADR	27.9	-35.9	3.41	28.04	54	-25.96	-	-	-	-	309	161	V
2	*** 7.44	42.57	PK-U	35.6	-29.6	0	48.57	-	-	74	-25.43	-	-	281	214	H
	*** 7.44	37.52	ADR	35.6	-29.6	3.41	46.93	54	-7.07	-	-	-	-	281	214	H
3	*** 12.121	35.56	PK-U	38.8	-26.4	0	47.96	-	-	74	-26.04	-	-	48	245	H
	*** 12.119	23.77	ADR	38.8	-26.4	3.41	39.58	54	-14.42	-	-	-	-	48	245	H
6	*** 11.157	36.36	PK-U	37.9	-26.3	0	47.96	-	-	74	-26.04	-	-	0	136	V
	*** 11.156	24.68	ADR	37.9	-26.3	3.41	39.69	54	-14.31	-	-	-	-	0	136	V
	*** 17.781	34.59	PK-U	41.2	-22.4	0	53.39	-	-	74	-20.61	-	-	308	106	V
	*** 17.782	22.29	ADR	41.2	-22.4	3.41	44.5	54	-9.5	-	-	-	-	308	106	V
5	1.799	52.6	PK-U	30.2	-36	0	46.8	-	-	-	-	68.2	-21.4	327	201	V
1	3.197	45.97	PK-U	32.9	-33.9	0	44.97	-	-	-	-	68.2	-23.23	31	351	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

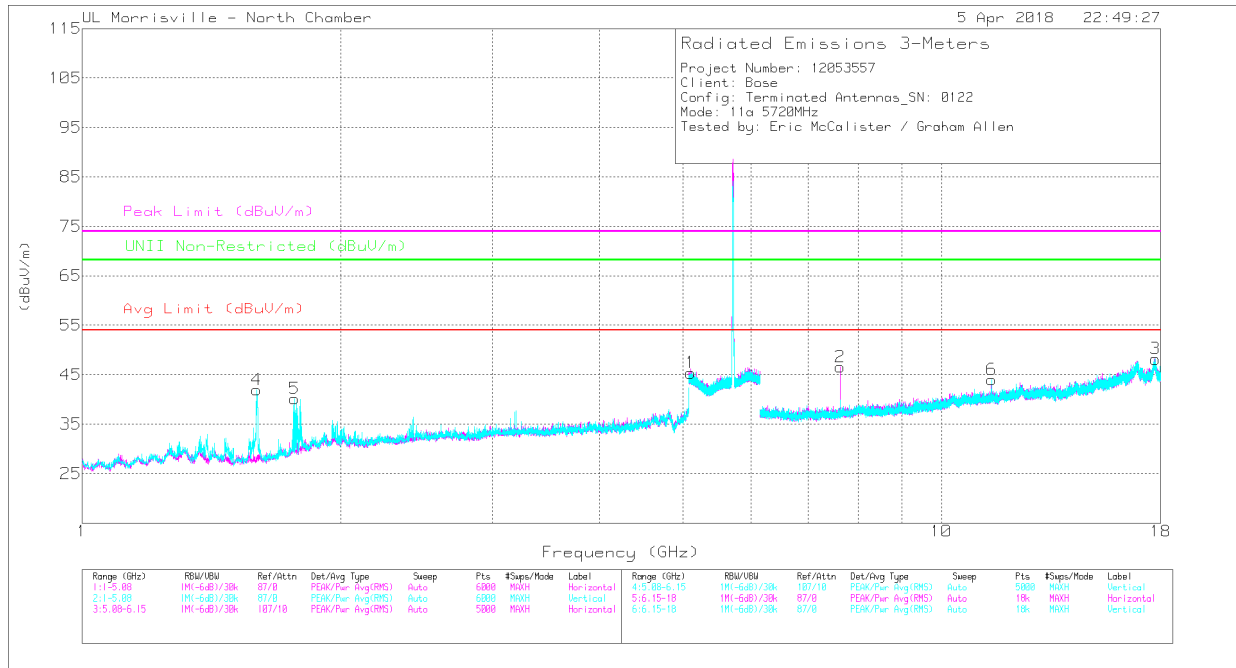
**HIGH CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 1.376	43.51	PK-U	29	-36.2	0	36.31	-	-	74	-37.69	-	-	298	203	H
	*** 1.375	31.81	ADR	29	-36.2	3.41	28.02	54	-25.98	-	-	-	-	298	203	H
4	*** 1.599	58.08	PK-U	28	-35.9	0	50.18	-	-	74	-23.82	-	-	311	117	V
	*** 1.598	34.65	ADR	28	-35.9	3.41	30.16	54	-23.84	-	-	-	-	311	117	V
2	*** 7.6	44.42	PK-U	35.7	-29.4	0	50.72	-	-	74	-23.28	-	-	278	217	H
	*** 7.6	40.49	ADR	35.7	-29.4	3.41	50.2	54	-3.8	-	-	-	-	278	217	H
3	*** 17.726	34.19	PK-U	41.2	-21.1	0	54.29	-	-	74	-19.71	-	-	143	106	H
	*** 17.727	22.36	ADR	41.2	-21.1	3.41	45.87	54	-8.13	-	-	-	-	143	106	H
6	*** 11.401	38.9	PK-U	38.1	-26.3	0	50.7	-	-	74	-23.3	-	-	319	106	V
	*** 11.401	26.52	ADR	38.1	-26.3	3.41	41.73	54	-12.27	-	-	-	-	319	106	V
5	3.148	42.21	PK-U	32.8	-33.9	0	41.11	-	-	-	-	68.2	-27.09	70	250	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

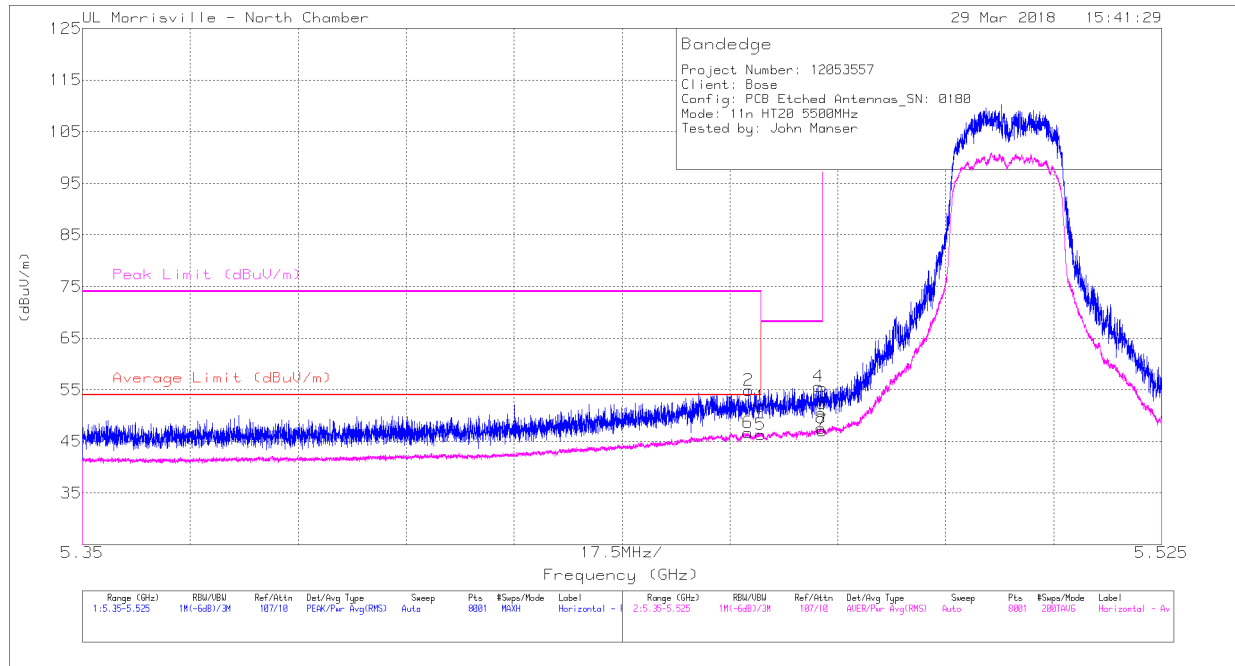
**STRADDLE CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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
4	*** 1.598	58.66	PK-U	28	-35.9	0	50.76	-	-	74	-23.24	-	-	306	145	V
	*** 1.598	34.54	ADR	28	-35.9	3.41	30.05	54	-23.95	-	-	-	-	306	145	V
1	*** 5.107	40.03	PK-U	34.2	-22.7	0	51.53	-	-	74	-22.47	-	-	36	103	H
	*** 5.104	27.73	ADR	34.2	-22.7	3.41	42.64	54	-11.36	-	-	-	-	36	103	H
2	*** 7.627	43.71	PK-U	35.7	-29.4	0	50.01	-	-	74	-23.99	-	-	283	220	H
	*** 7.627	39.7	ADR	35.7	-29.4	3.41	49.41	54	-4.59	-	-	-	-	283	220	H
3	*** 17.744	33.37	PK-U	41.2	-21	0	53.57	-	-	74	-20.43	-	-	134	384	H
	*** 17.744	22.24	ADR	41.2	-21	3.41	45.85	54	-8.15	-	-	-	-	134	384	H
6	*** 11.442	38.59	PK-U	38.1	-26	0	50.69	-	-	74	-23.31	-	-	313	102	V
	*** 11.441	26.17	ADR	38.1	-26	3.41	41.68	54	-12.32	-	-	-	-	313	102	V
5	1.768	50.64	PK-U	29.6	-35.8	0	44.44	-	-	-	-	68.2	-23.76	241	391	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

**10.12. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND**  
**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	40.33	Pk	34.5	-23.1	0	51.73	-	-	74	-22.27	325	105	H
2	* ** 5.458	43.46	Pk	34.5	-23.1	0	54.86	-	-	74	-19.14	325	105	H
5	* ** 5.46	31.65	RMS	34.5	-23.1	3.27	46.32	54	-7.68	-	-	325	105	H
6	* ** 5.458	32.06	RMS	34.5	-23.1	3.27	46.73	54	-7.27	-	-	325	105	H
4	5.469	44.11	Pk	34.5	-23	0	55.61	-	-	68.2	-12.59	325	105	H
3	5.47	40.95	Pk	34.5	-23	0	52.45	-	-	68.2	-15.75	325	105	H
7	5.47	32.29	RMS	34.5	-23	3.27	47.06	-	-	-	-	325	105	H
8	5.47	32.81	RMS	34.5	-23	3.27	47.58	-	-	-	-	325	105	H

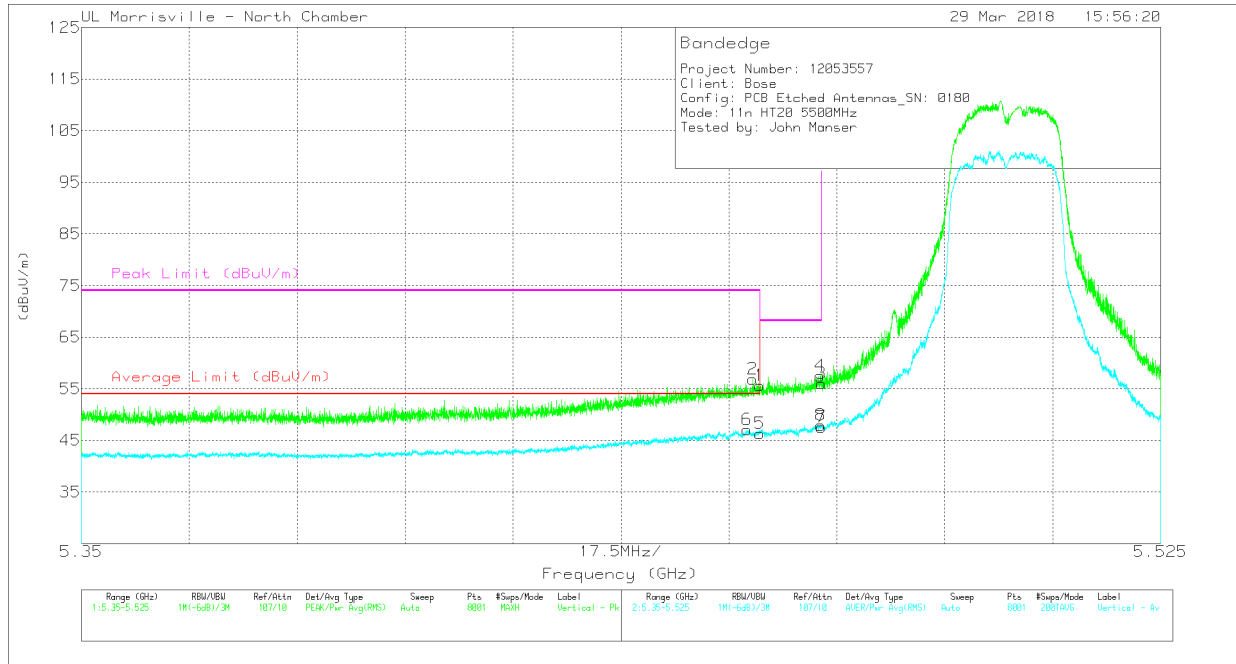
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	44.21	Pk	34.5	-23.1	0	55.61	-	-	74	-18.39	251	108	V
2	*** 5.459	45.43	Pk	34.5	-23.1	0	56.83	-	-	74	-17.17	251	108	V
5	*** 5.46	31.7	RMS	34.5	-23.1	3.27	46.37	54	-7.63	-	-	251	108	V
6	*** 5.458	32.43	RMS	34.5	-23.1	3.27	47.1	54	-6.9	-	-	251	108	V
3	5.47	44.46	Pk	34.5	-23	0	55.96	-	-	68.2	-12.24	251	108	V
4	5.47	45.95	Pk	34.5	-23	0	57.45	-	-	68.2	-10.75	251	108	V
7	5.47	32.79	RMS	34.5	-23	3.27	47.56	-	-	-	-	251	108	V
8	5.47	33.21	RMS	34.5	-23	3.27	47.98	-	-	-	-	251	108	V

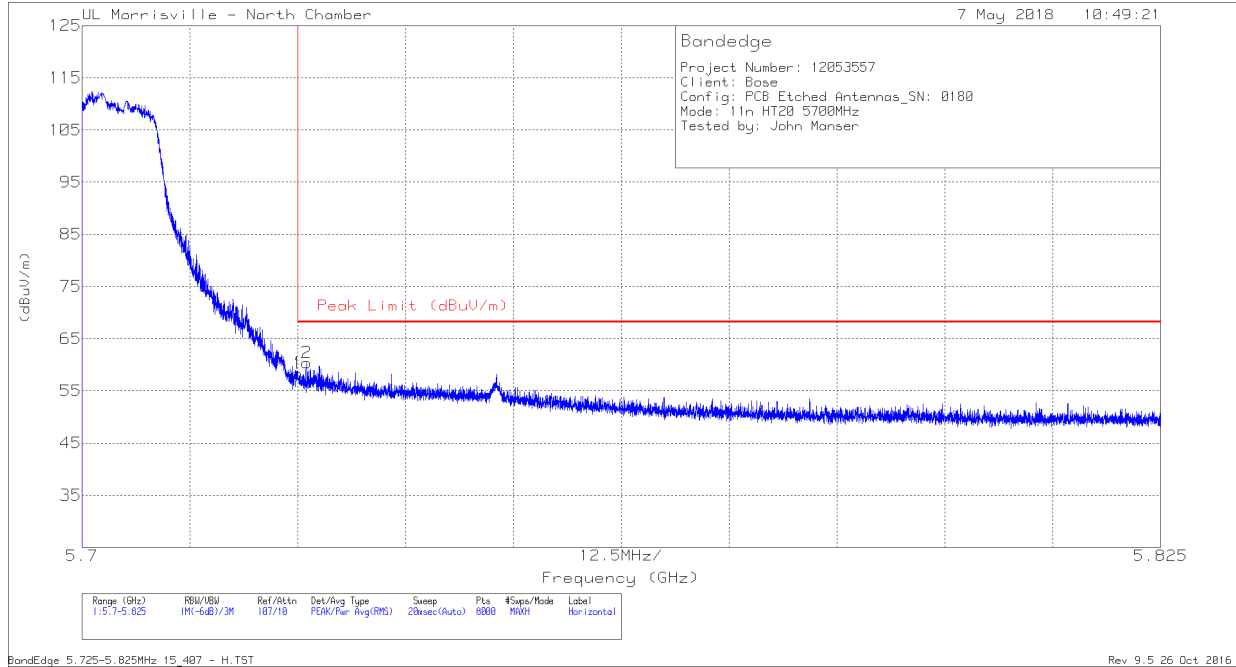
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS0 PCB ANTENNA**

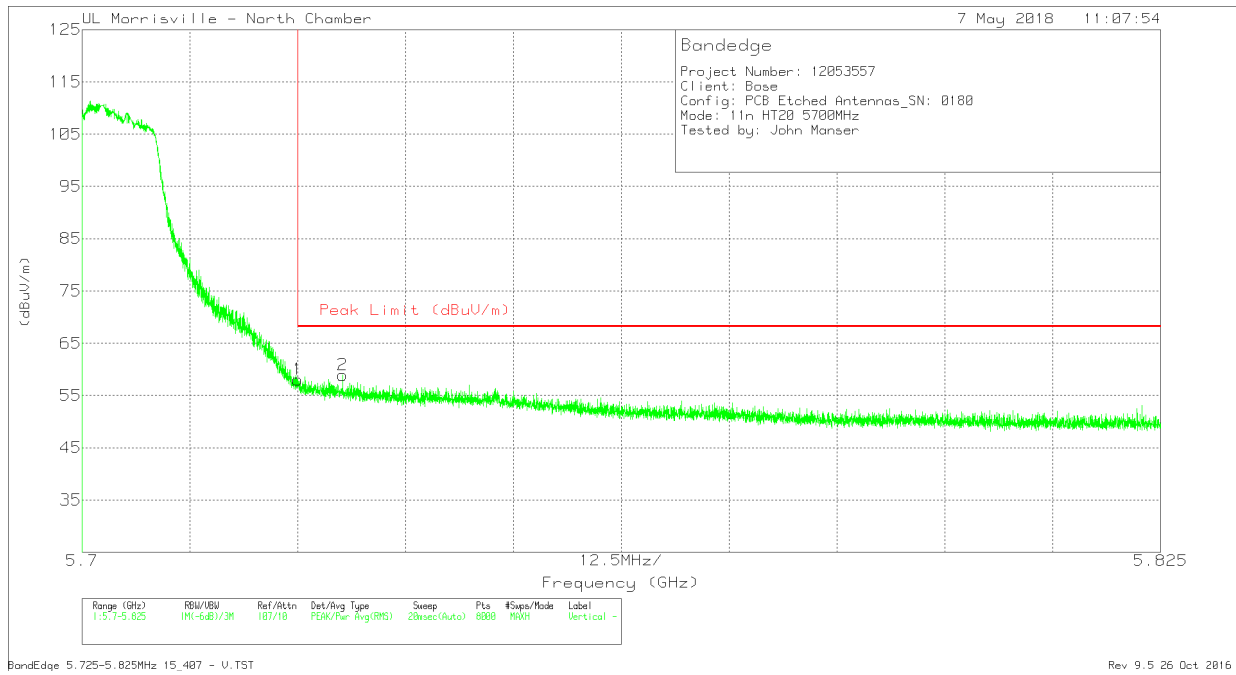


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	46.66	Pk	34.7	-23	0	58.36	68.2	-9.84	214	195	H
2	5.726	48.72	Pk	34.7	-23	0	60.42	68.2	-7.78	214	195	H

Pk - Peak detector

Note – High channel Radiated BE was tested at the same power setting as low channel.

**AUTHORIZED BANDEGE (HIGH CHANNEL) VERTICAL MCS0 PCB ANTENNA**



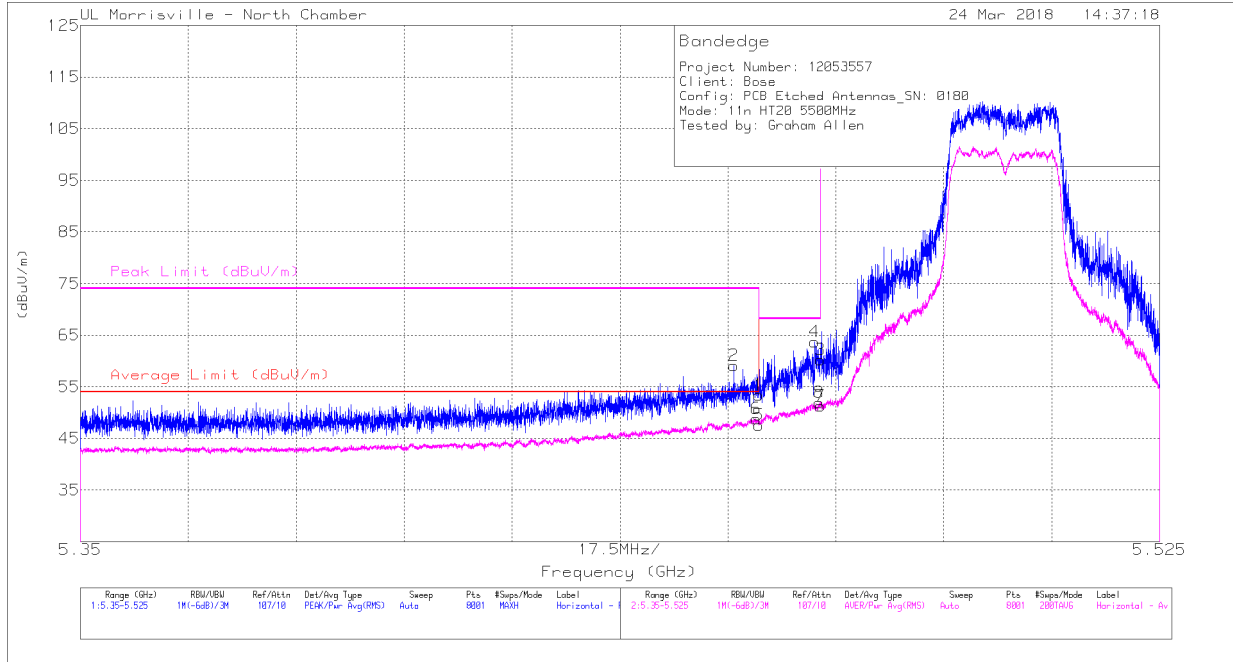
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	46.33	Pk	34.7	-23	0	58.03	68.2	-10.17	305	228	V
2	5.73	47.19	Pk	34.7	-23	0	58.89	68.2	-9.31	305	228	V

Pk - Peak detector

Note – High channel Radiated BE was tested at the same power setting as low channel.



**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL MCS7 PCB ANTENNA**



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	42.45	Pk	34.5	-23.5	0	53.45	-	-	74	-20.55	327	235	H
2	*** 5.456	48.13	Pk	34.5	-23.5	0	59.13	-	-	74	-14.87	327	235	H
5	*** 5.46	33.33	RMS	34.5	-23.5	3.27	47.6	54	-6.4	-	-	327	235	H
6	*** 5.46	34.53	RMS	34.5	-23.5	3.27	48.8	54	-5.2	-	-	327	235	H
4	5.469	52.85	Pk	34.5	-23.6	0	63.75	-	-	68.2	-4.45	327	235	H
3	5.47	49.29	Pk	34.5	-23.6	0	60.19	-	-	68.2	-8.01	327	235	H
7	5.47	37.14	RMS	34.5	-23.6	3.27	51.31	-	-	-	-	327	235	H
8	5.47	37.69	RMS	34.5	-23.6	3.27	51.86	-	-	-	-	327	235	H

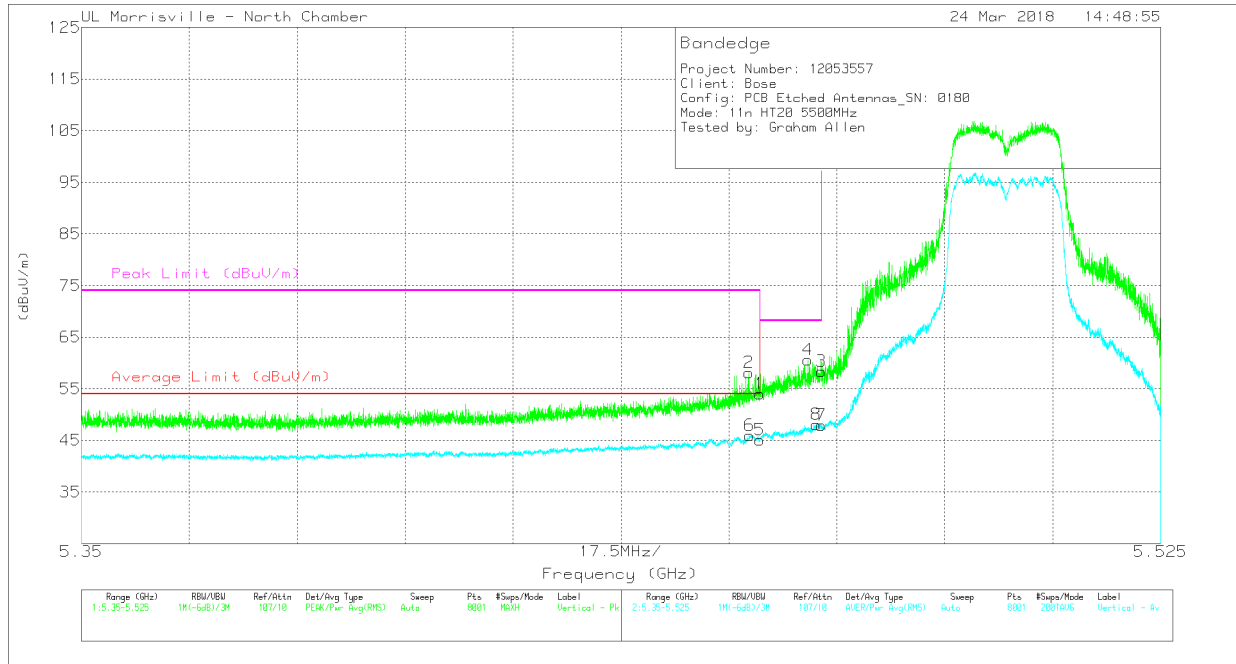
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL MCS7 PCB ANTENNA**



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	42.97	Pk	34.5	-23.5	0	53.97	-	-	74	-20.03	224	109	V
2	*** 5.458	47.16	Pk	34.5	-23.5	0	58.16	-	-	74	-15.84	224	109	V
5	*** 5.46	30.86	RMS	34.5	-23.5	3.27	45.13	54	-8.87	-	-	224	109	V
6	*** 5.458	31.73	RMS	34.5	-23.5	3.27	46	54	-8	-	-	224	109	V
4	5.468	49.66	Pk	34.5	-23.6	0	60.56	-	-	68.2	-7.64	224	109	V
8	5.469	33.94	RMS	34.5	-23.6	3.27	48.11	-	-	-	-	224	109	V
3	5.47	47.41	Pk	34.5	-23.6	0	58.31	-	-	68.2	-9.89	224	109	V
7	5.47	33.74	RMS	34.5	-23.6	3.27	47.91	-	-	-	-	224	109	V

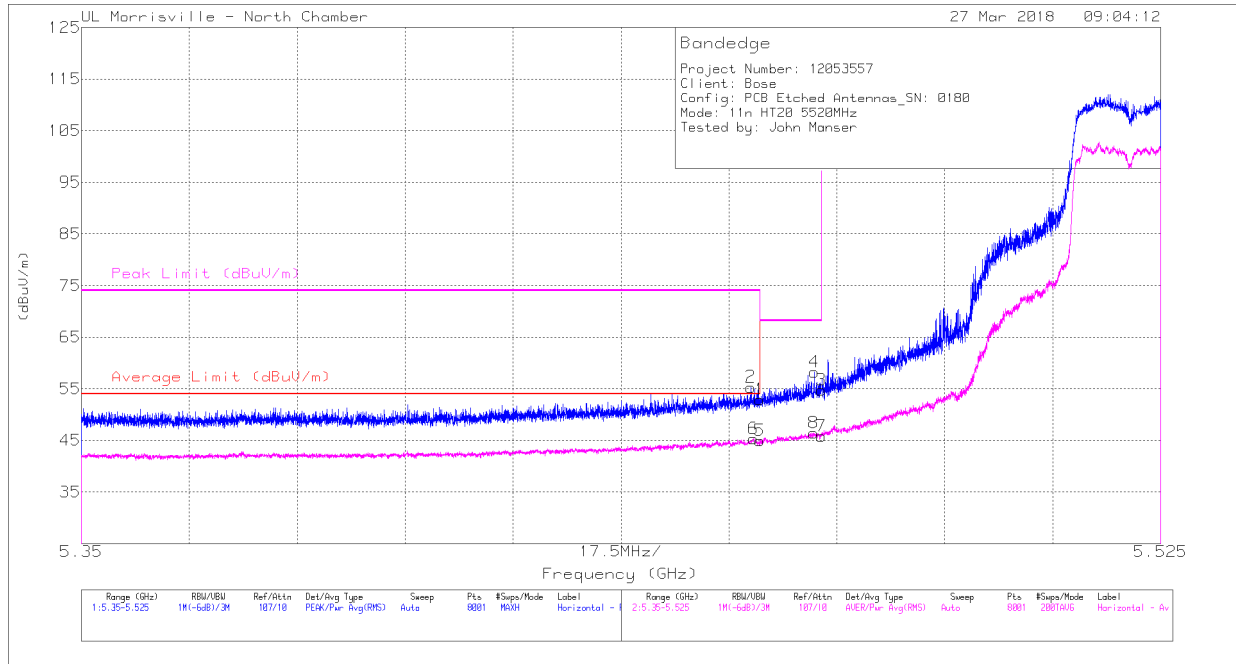
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (5520 MHz) HORIZONTAL MCS7 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	41.53	Pk	34.5	-23.1	0	52.93	-	-	74	-21.07	329	105	H
2	*** 5.459	43.92	Pk	34.5	-23.1	0	55.32	-	-	74	-18.68	329	105	H
5	*** 5.46	30.24	RMS	34.5	-23.1	3.27	44.91	54	-9.09	-	-	329	105	H
6	*** 5.459	30.64	RMS	34.5	-23.1	3.27	45.31	54	-8.69	-	-	329	105	H
4	5.469	46.71	Pk	34.5	-23	0	58.21	-	-	68.2	-9.99	329	105	H
8	5.469	31.79	RMS	34.5	-23.1	3.27	46.46	-	-	-	-	329	105	H
3	5.47	43.24	Pk	34.5	-23	0	54.74	-	-	68.2	-13.46	329	105	H
7	5.47	31.1	RMS	34.5	-23	3.27	45.87	-	-	-	-	329	105	H

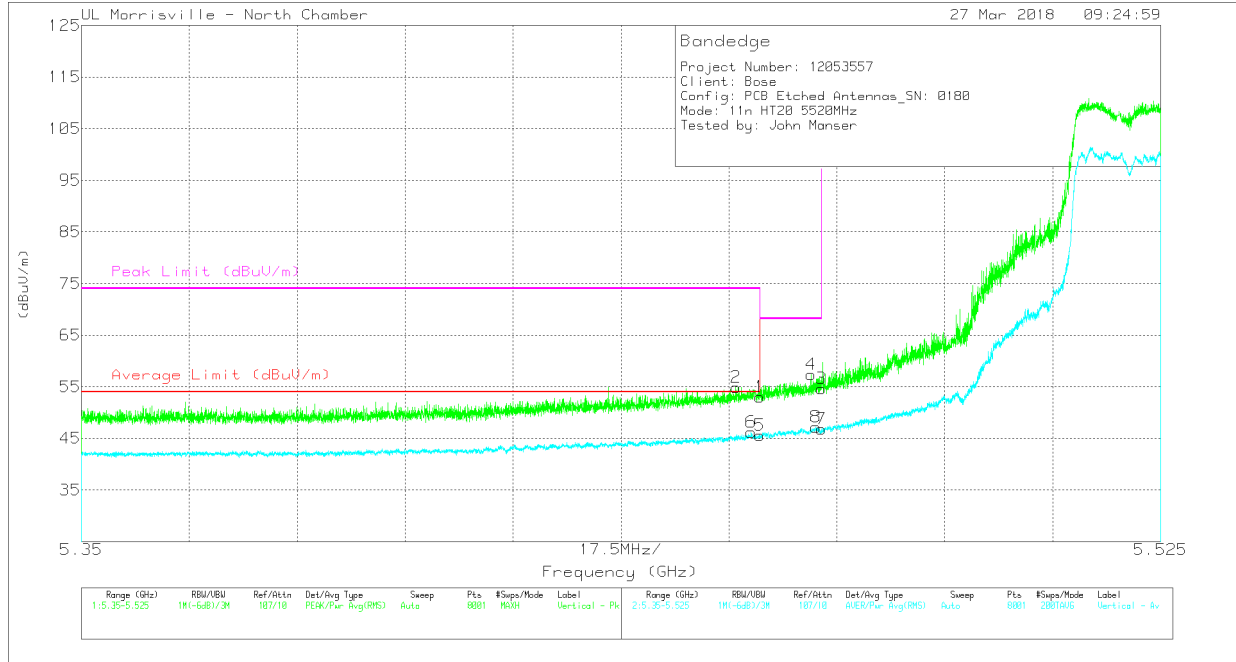
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (5520 MHz) VERTICAL MCS7 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	-23.1	0	52.97	-	-	74	-21.03	282	252	V
2	*** 5.456	43.48	Pk	34.5	-23.1	0	54.88	-	-	74	-19.12	282	252	V
5	*** 5.46	30.89	RMS	34.5	-23.1	3.27	45.56	54	-8.44	-	-	282	252	V
6	*** 5.459	31.56	RMS	34.5	-23.1	3.27	46.23	54	-7.77	-	-	282	252	V
4	5.468	45.92	Pk	34.5	-23.1	0	57.32	-	-	68.2	-10.88	282	252	V
8	5.469	32.4	RMS	34.5	-23	3.27	47.17	-	-	-	-	282	252	V
3	5.47	43.13	Pk	34.5	-23	0	54.63	-	-	68.2	-13.57	282	252	V
7	5.47	32.09	RMS	34.5	-23	3.27	46.86	-	-	-	-	282	252	V

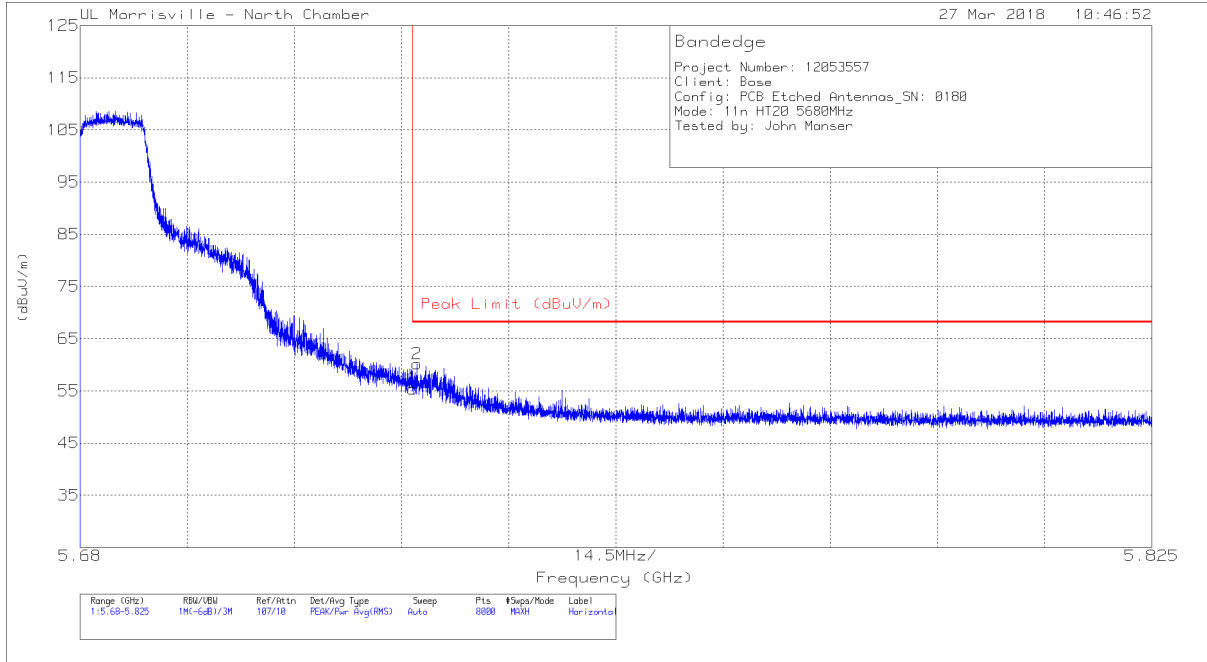
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

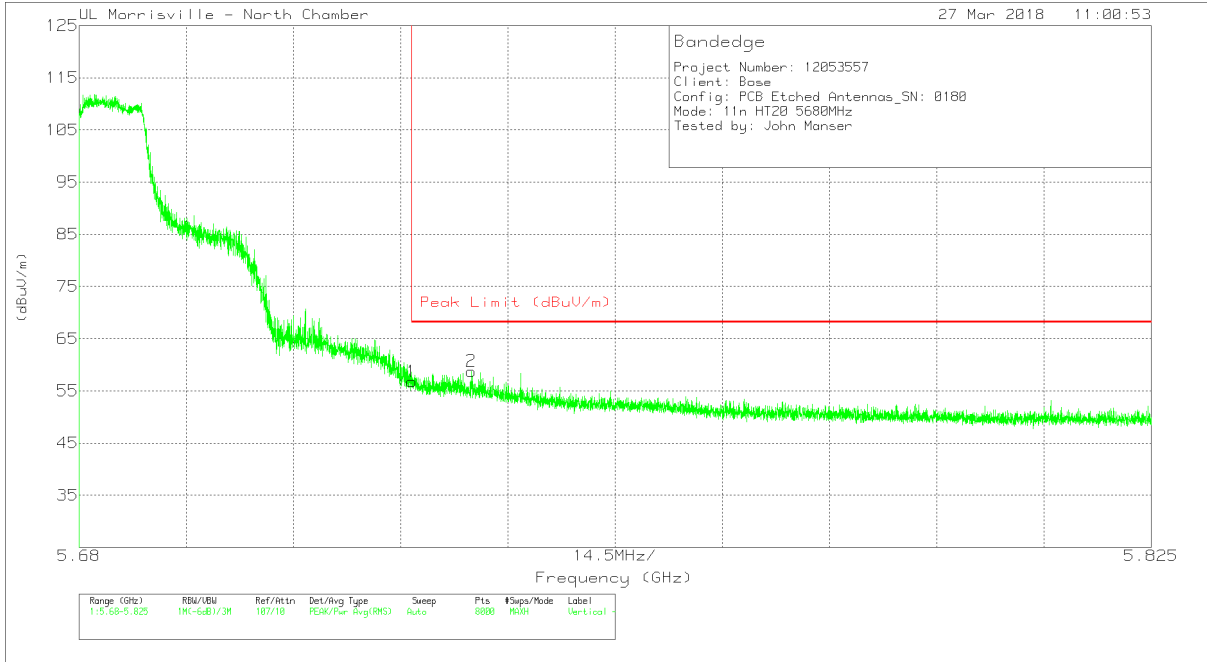
**AUTHORIZED BANDEDGE (5680 MHz) HORIZONTAL MCS7 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	43.67	Pk	34.7	-23	0	55.37	68.2	-12.83	332	158	H
2	5.726	48.46	Pk	34.7	-23	0	60.16	68.2	-8.04	332	158	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

**AUTHORIZED BANDEDGE (5680 MHz) VERTICAL MCS7 PCB ANTENNA**



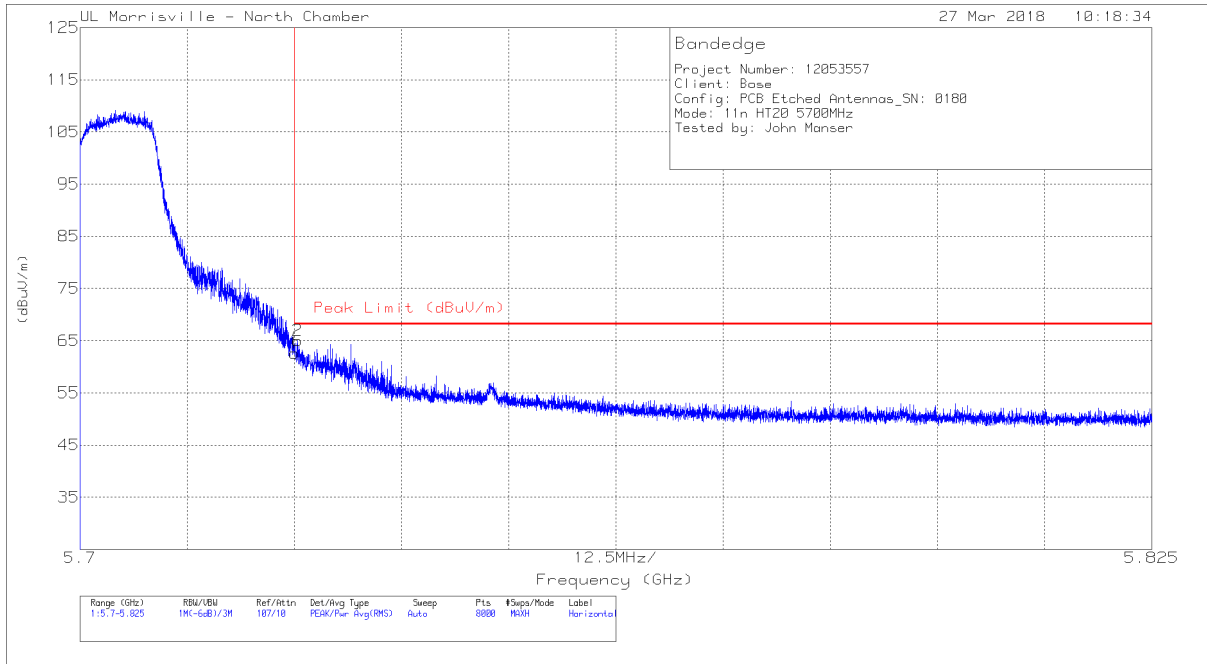
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	45.09	Pk	34.7	-23	0	56.79	68.2	-11.41	169	154	V
2	5.733	47.07	Pk	34.7	-23	0	58.77	68.2	-9.43	169	154	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

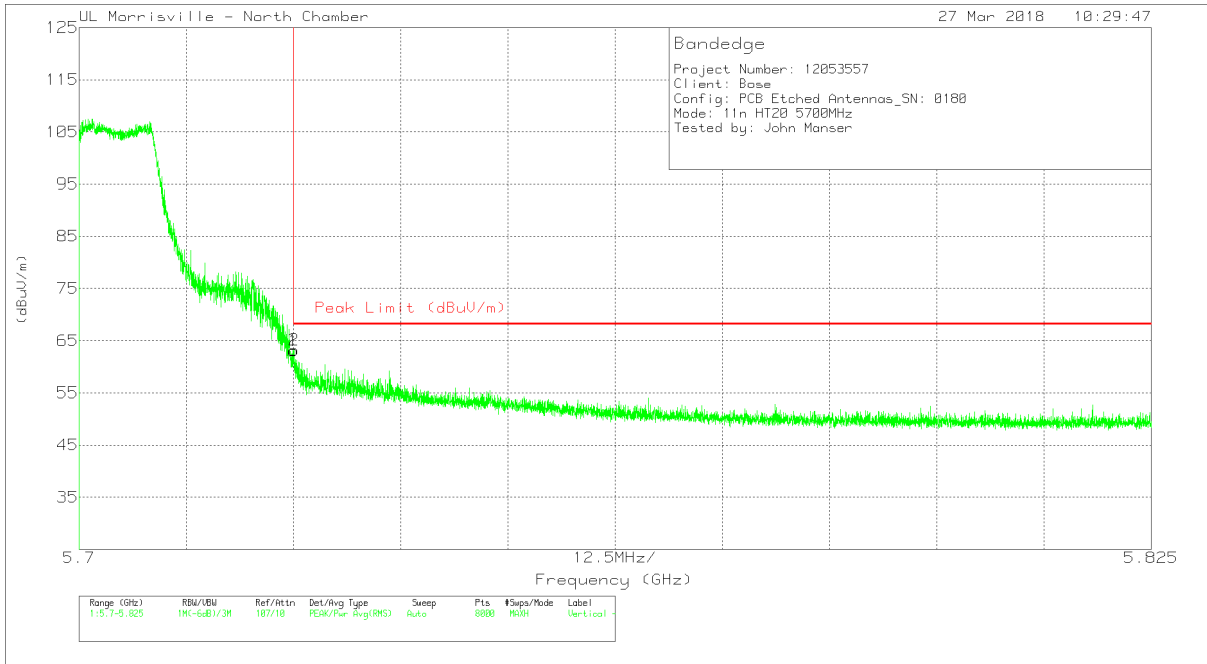
**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS7 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	50.9	Pk	34.7	-23	0	62.6	68.2	-5.6	316	222	H
2	5.725	53.31	Pk	34.7	-23	0	65.01	68.2	-3.19	316	222	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS7 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	51.35	Pk	34.7	-23	0	63.05	68.2	-5.15	164	184	V
2	5.725	51.48	Pk	34.7	-23	0	63.18	68.2	-5.02	164	184	V

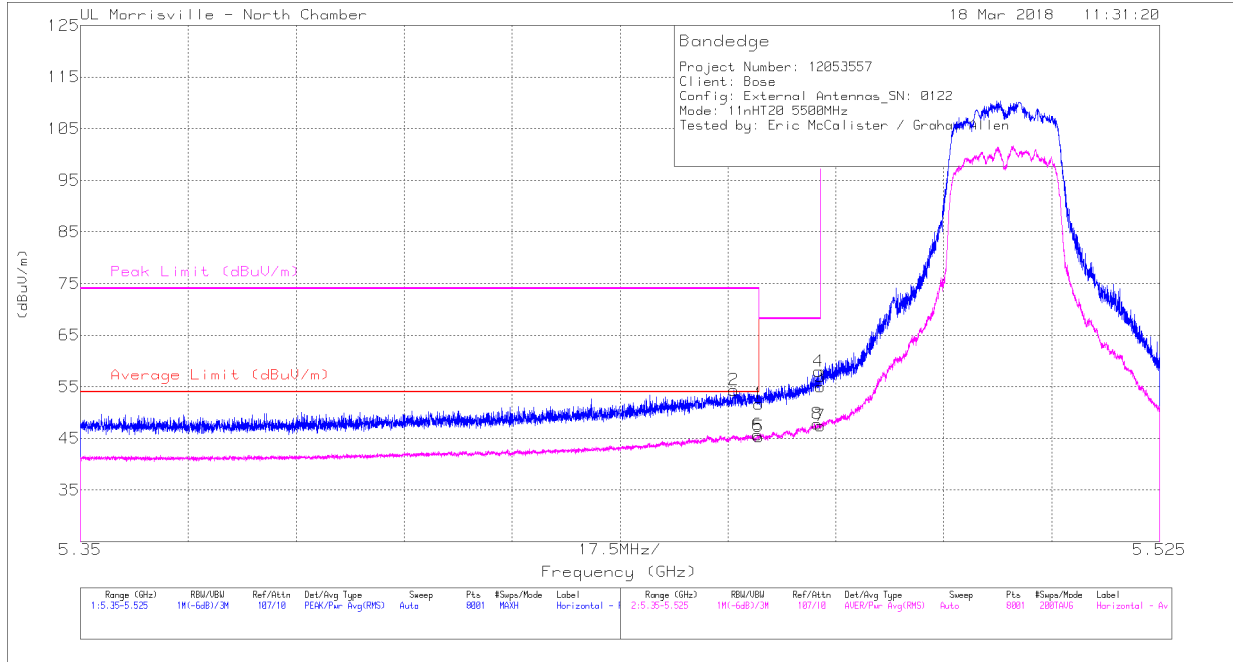
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector



**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL MCS0 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	39.71	Pk	34.5	-22.5	0	51.71	-	-	74	-22.29	25	259	H
2	*** 5.456	42.33	Pk	34.5	-22.5	0	54.33	-	-	74	-19.67	25	259	H
5	*** 5.46	30	RMS	34.5	-22.5	3.27	45.27	54	-8.73	-	-	25	259	H
6	*** 5.46	30.45	RMS	34.5	-22.5	3.27	45.72	54	-8.28	-	-	25	259	H
8	5.469	32.59	RMS	34.5	-22.5	3.27	47.86	-	-	-	-	25	259	H
3	5.47	42.98	Pk	34.5	-22.5	0	54.98	-	-	68.2	-13.22	25	259	H
4	5.47	46	Pk	34.5	-22.5	0	58	-	-	68.2	-10.2	25	259	H
7	5.47	32.13	RMS	34.5	-22.5	3.27	47.4	-	-	-	-	25	259	H

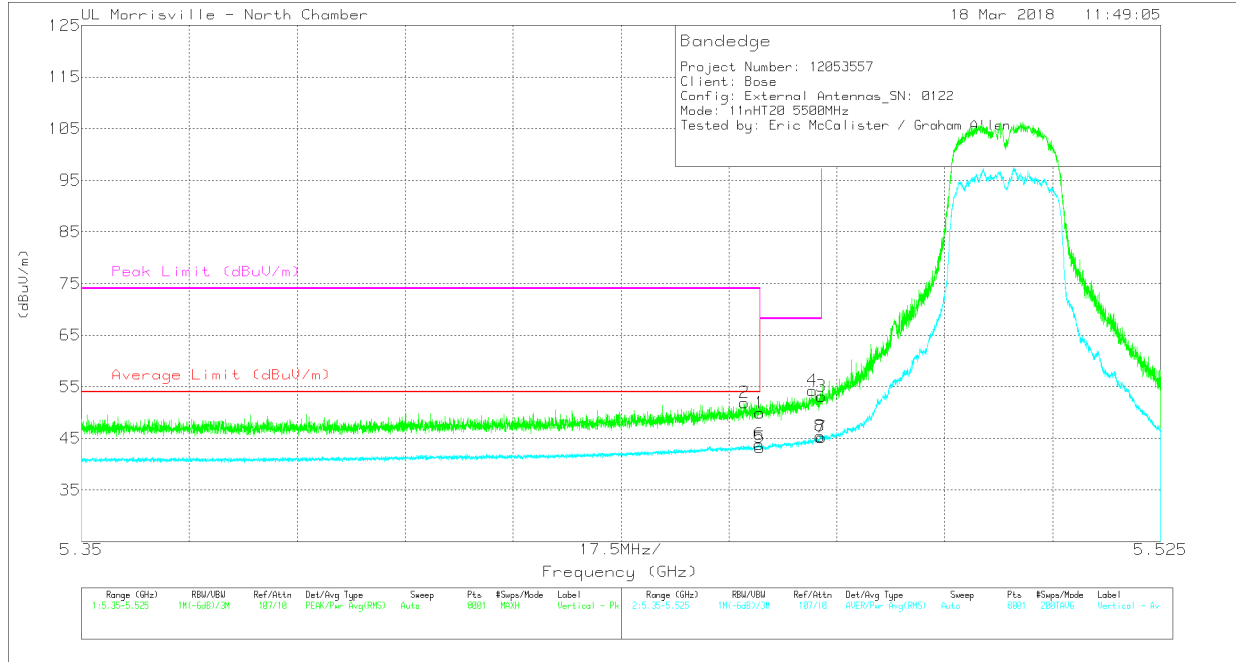
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL MCS0 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	37.89	Pk	34.5	-22.5	0	49.89	-	-	74	-24.11	321	263	V
2	* ** 5.457	39.86	Pk	34.5	-22.5	0	51.86	-	-	74	-22.14	321	263	V
5	* ** 5.46	27.97	RMS	34.5	-22.5	3.27	43.24	54	-10.76	-	-	321	263	V
6	* ** 5.46	28.55	RMS	34.5	-22.5	3.27	43.82	54	-10.18	-	-	321	263	V
4	5.468	42.29	Pk	34.5	-22.5	0	54.29	-	-	68.2	-13.91	321	263	V
3	5.47	41.1	Pk	34.5	-22.5	0	53.1	-	-	68.2	-15.1	321	263	V
7	5.47	29.93	RMS	34.5	-22.5	3.27	45.2	-	-	-	-	321	263	V
8	5.47	30.12	RMS	34.5	-22.5	3.27	45.39	-	-	-	-	321	263	V

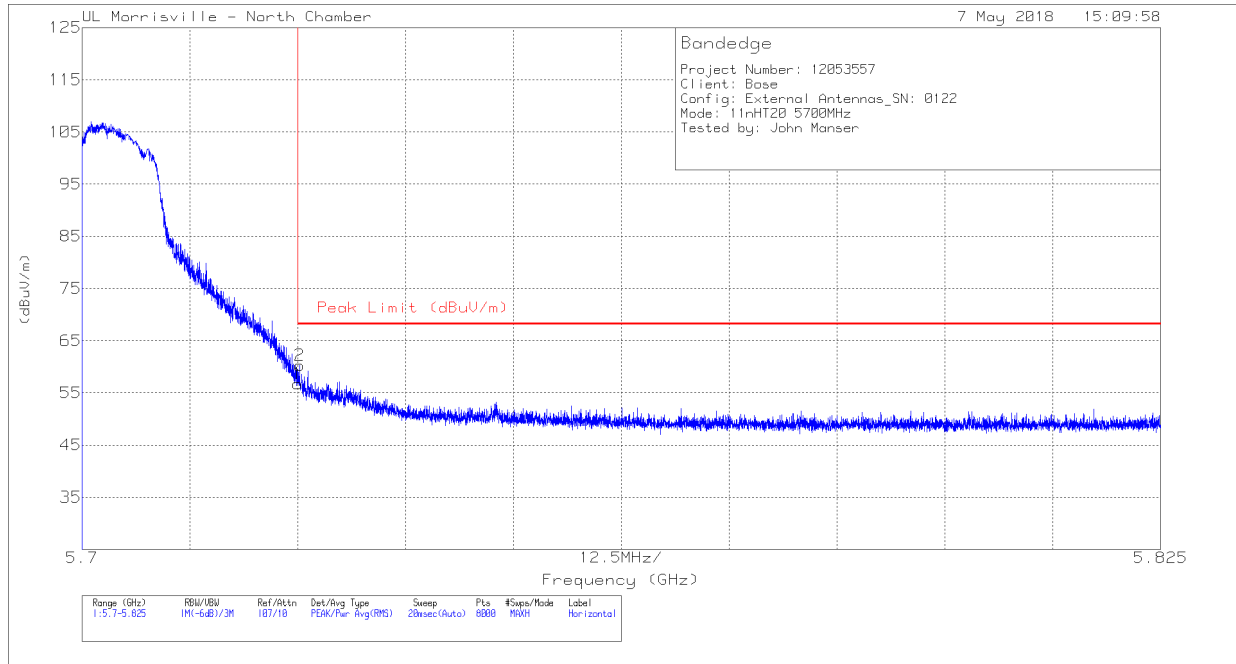
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS0 EXTERNAL ANTENNA**

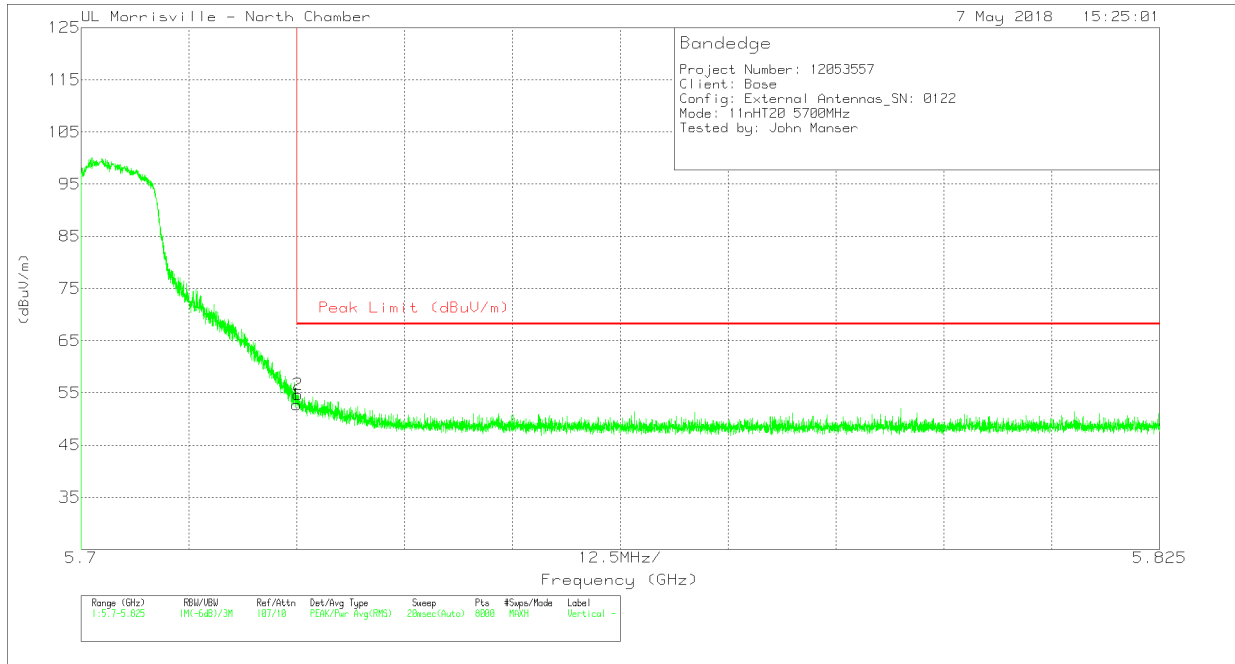


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	45.02	Pk	34.7	-23	0	56.72	68.2	-11.48	254	109	H
2	5.725	48.58	Pk	34.7	-23	0	60.28	68.2	-7.92	254	109	H

Pk - Peak detector

Note – High Channel Radiated BE was tested at the same power setting as low channel.

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS0 EXTERNAL ANTENNA**

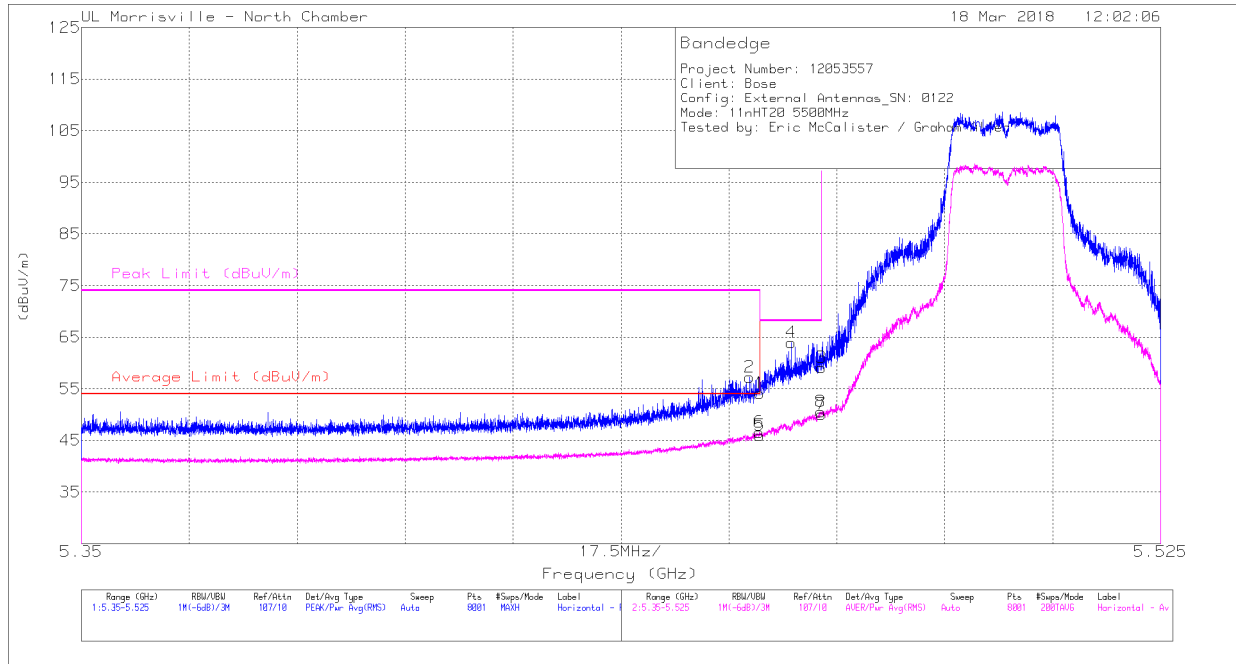


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41	Pk	34.7	-23	0	52.7	68.2	-15.5	49	113	V
2	5.725	42.97	Pk	34.7	-23	0	54.67	68.2	-13.53	49	113	V

Pk - Peak detector

Note – High channel Radiated BE was tested at the same power setting as low channel.

**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL MCS7 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	42.15	Pk	34.5	-22.5	0	54.15	-	-	74	-19.85	24	358	H
2	*** 5.458	45.27	Pk	34.5	-22.5	0	57.27	-	-	74	-16.73	24	358	H
5	*** 5.46	30.68	RMS	34.5	-22.5	3.27	45.95	54	-8.05	-	-	24	358	H
6	*** 5.46	31.28	RMS	34.5	-22.5	3.27	46.55	54	-7.45	-	-	24	358	H
4	5.465	51.92	Pk	34.5	-22.5	0	63.92	-	-	68.2	-4.28	24	358	H
3	5.47	47.11	Pk	34.5	-22.5	0	59.11	-	-	68.2	-9.09	24	358	H
7	5.47	34.81	RMS	34.5	-22.5	3.27	50.08	-	-	-	-	24	358	H
8	5.47	35.24	RMS	34.5	-22.5	3.27	50.51	-	-	-	-	24	358	H

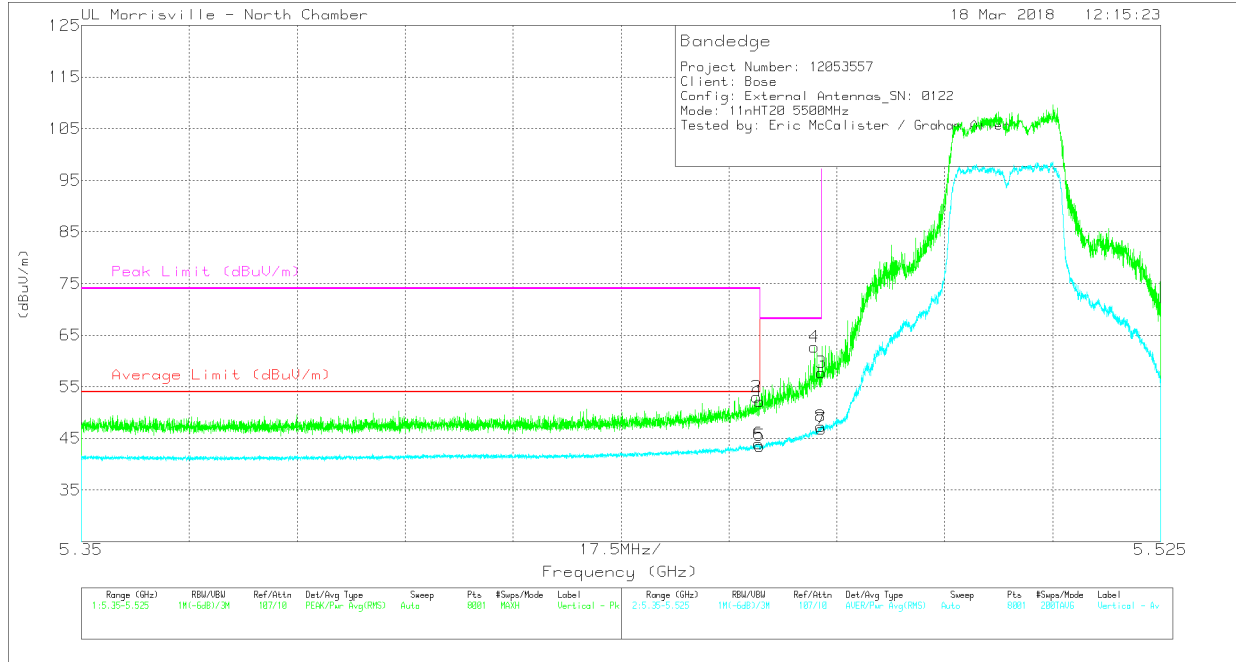
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL MCS7 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	40.21	Pk	34.5	-22.5	0	52.21	-	-	74	-21.79	347	376	V
2	* ** 5.459	40.97	Pk	34.5	-22.5	0	52.97	-	-	74	-21.03	347	376	V
5	* ** 5.46	28.26	RMS	34.5	-22.5	3.27	43.53	54	-10.47	-	-	347	376	V
6	* ** 5.46	28.68	RMS	34.5	-22.5	3.27	43.95	54	-10.05	-	-	347	376	V
4	5.469	50.68	Pk	34.5	-22.5	0	62.68	-	-	68.2	-5.52	347	376	V
3	5.47	45.72	Pk	34.5	-22.5	0	57.72	-	-	68.2	-10.48	347	376	V
7	5.47	31.54	RMS	34.5	-22.5	3.27	46.81	-	-	-	-	347	376	V
8	5.47	32.02	RMS	34.5	-22.5	3.27	47.29	-	-	-	-	347	376	V

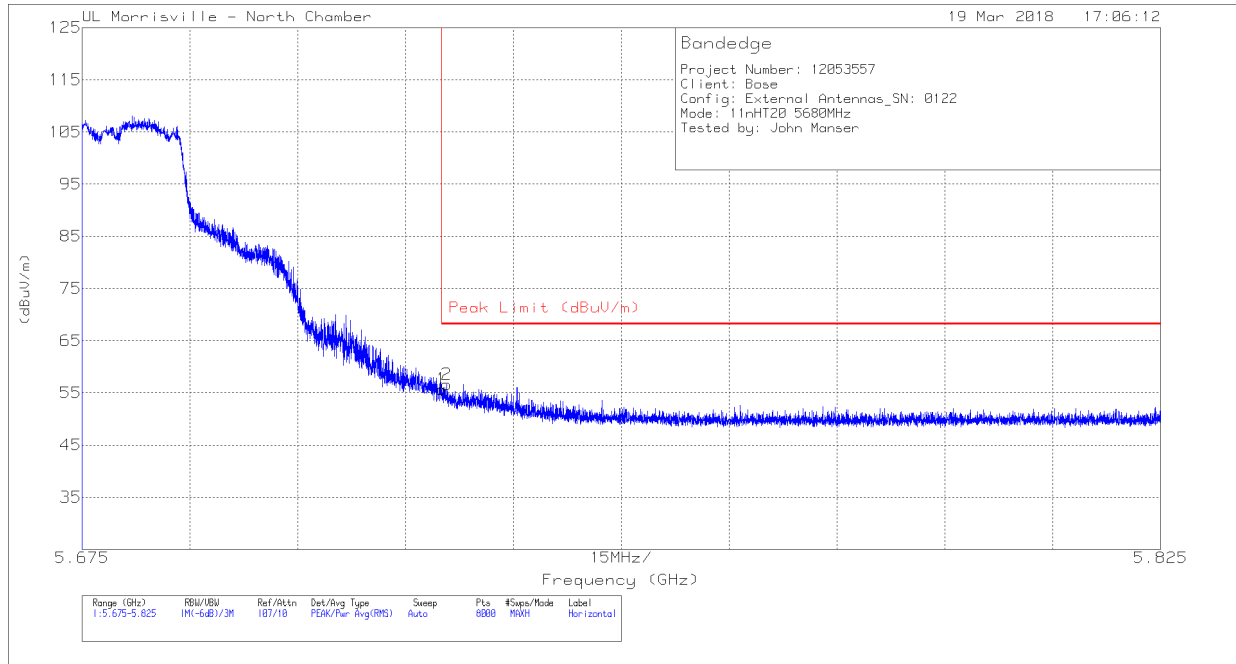
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (5680 MHz) HORIZONTAL MCS7 EXTERNAL ANTENNA**



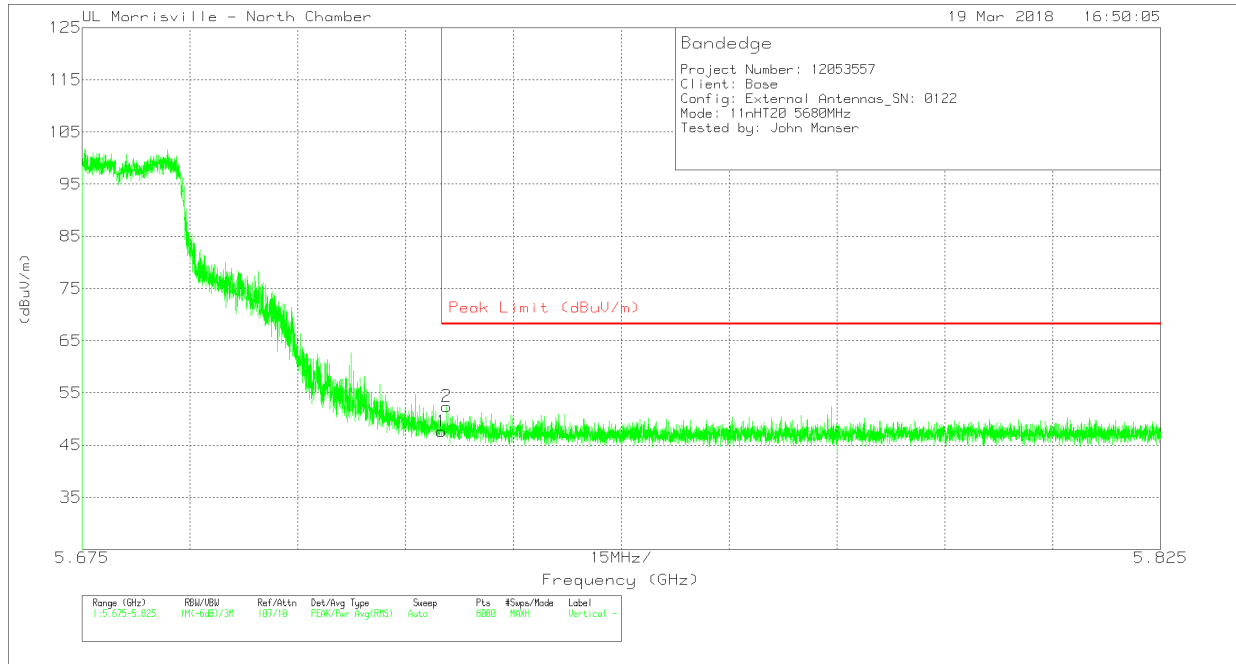
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.31	Pk	34.7	-22.3	0	55.71	68.2	-12.49	249	102	H
2	5.726	44.25	Pk	34.7	-22.3	0	56.65	68.2	-11.55	249	102	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (5680 MHz) VERTICAL MCS7 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	35.2	Pk	34.7	-22.3	0	47.6	68.2	-20.6	144	106	V
2	5.726	40.01	Pk	34.7	-22.3	0	52.41	68.2	-15.79	144	106	V

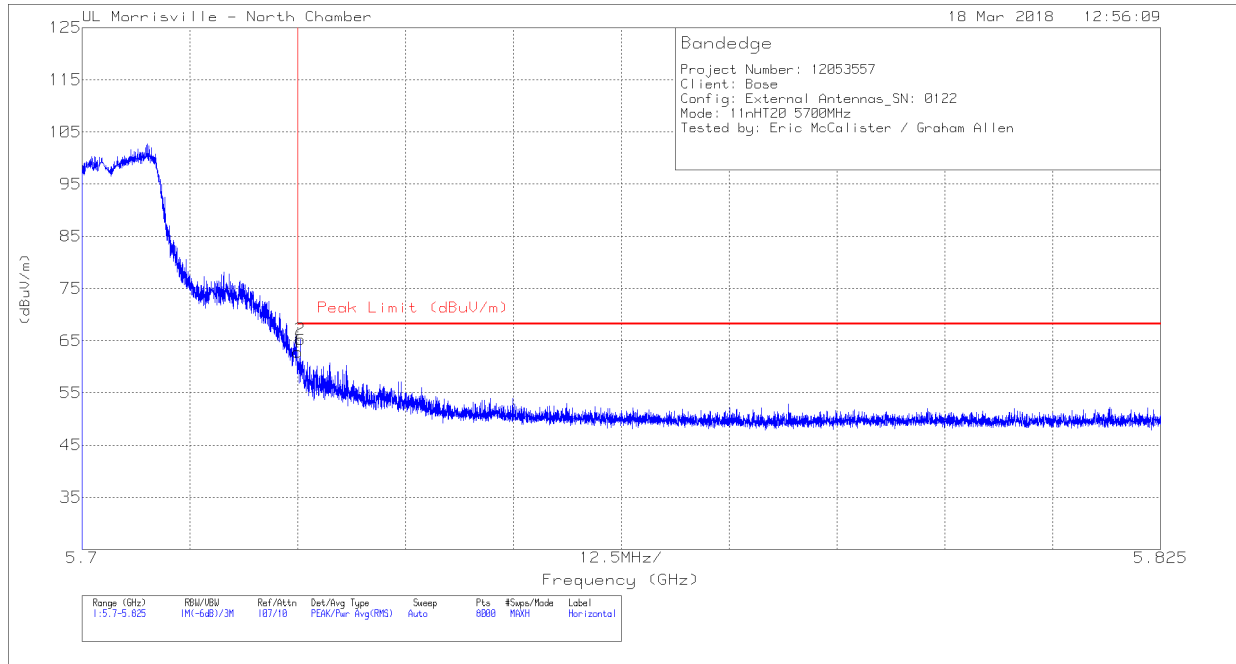
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector



**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS7 EXTERNAL ANTENNA**



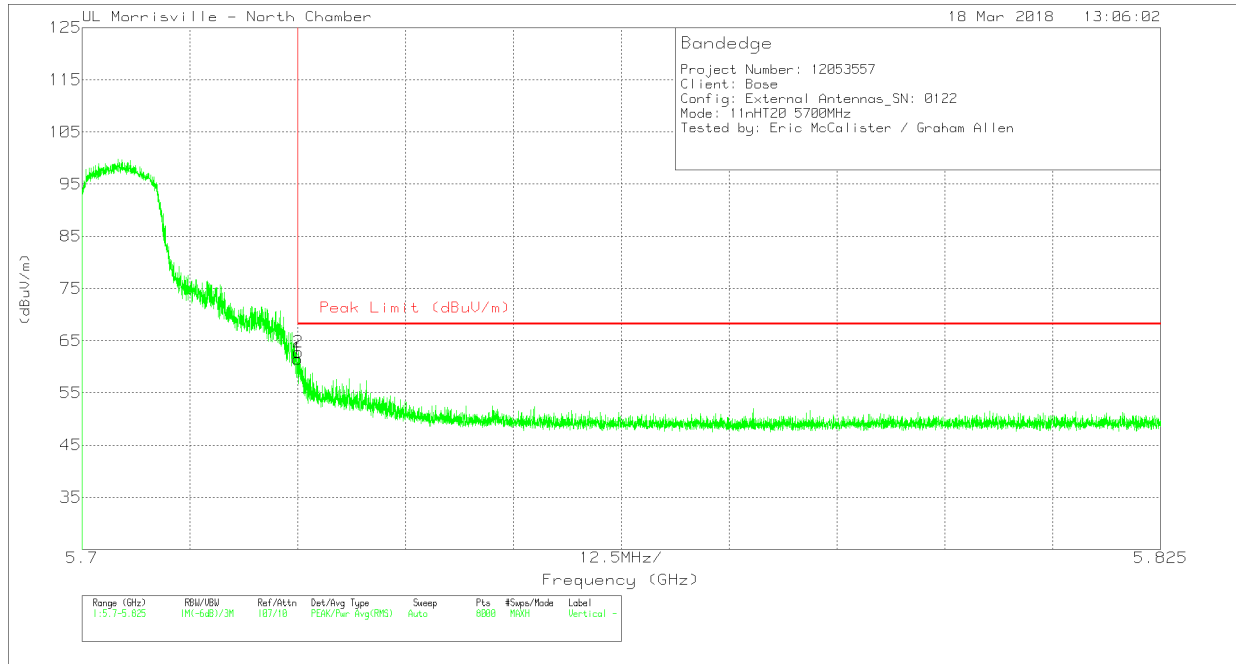
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	50.41	Pk	34.7	-22.3	0	62.81	68.2	-5.39	46	288	H
2	5.725	52.83	Pk	34.7	-22.3	0	65.23	68.2	-2.97	46	288	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS7 EXTERNAL ANTENNA**

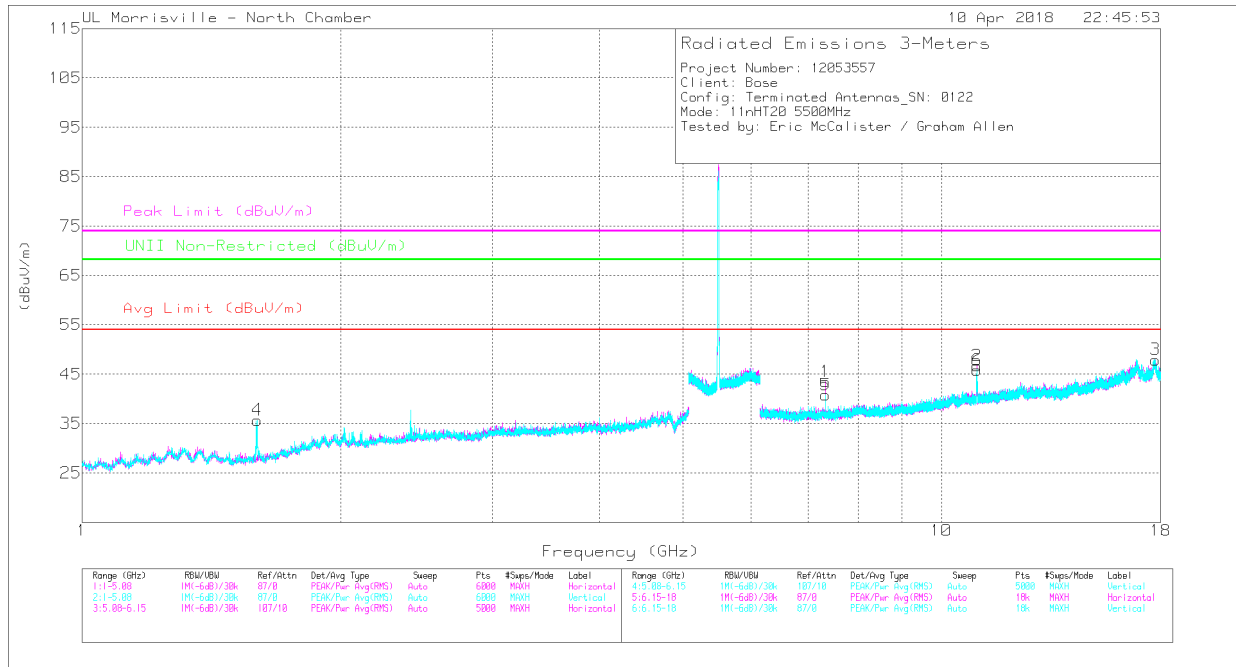


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	49.06	Pk	34.7	-22.3	0	61.46	68.2	-6.74	313	362	V
2	5.725	50.39	Pk	34.7	-22.3	0	62.79	68.2	-5.41	313	362	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

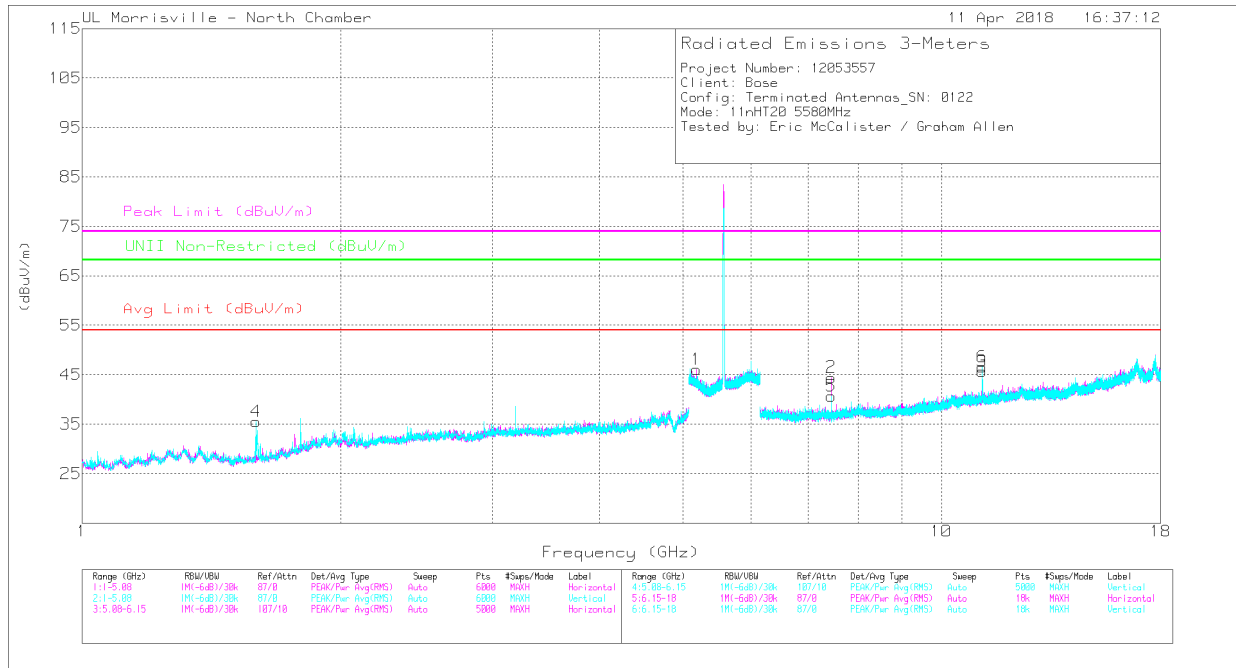
**LOW CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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
4	* ** 1.598	56.18	PK-U	28	-35.9	0	48.28	-	-	74	-25.72	-	-	299	154	V
	* ** 1.6	32.18	ADR	28	-35.8	3.27	27.65	54	-26.35	-	-	-	-	299	154	V
1	* ** 7.333	42.39	PK-U	35.6	-29.9	0	48.09	-	-	74	-25.91	-	-	275	219	H
	* ** 7.333	36.6	ADR	35.6	-29.9	3.27	45.57	54	-8.43	-	-	-	-	275	219	H
2	* ** 11.001	41.5	PK-U	37.8	-26	0	53.3	-	-	74	-20.7	-	-	305	117	H
	* ** 11.001	29.34	ADR	37.8	-26	3.27	44.41	54	-9.59	-	-	-	-	305	117	H
3	* ** 17.737	33.51	PK-U	41.2	-21	0	53.71	-	-	74	-20.29	-	-	169	172	H
	* ** 17.738	22.38	ADR	41.2	-21	3.27	45.85	54	-8.15	-	-	-	-	169	172	H
5	* ** 7.333	41.01	PK-U	35.6	-29.9	0	46.71	-	-	74	-27.29	-	-	333	113	V
	* ** 7.333	33.7	ADR	35.6	-29.9	3.27	42.67	54	-11.33	-	-	-	-	333	113	V
6	* ** 11.007	42.69	PK-U	37.8	-26.1	0	54.39	-	-	74	-19.61	-	-	305	120	V
	* ** 11.007	29.02	ADR	37.8	-26.1	3.27	43.99	54	-10.01	-	-	-	-	305	120	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

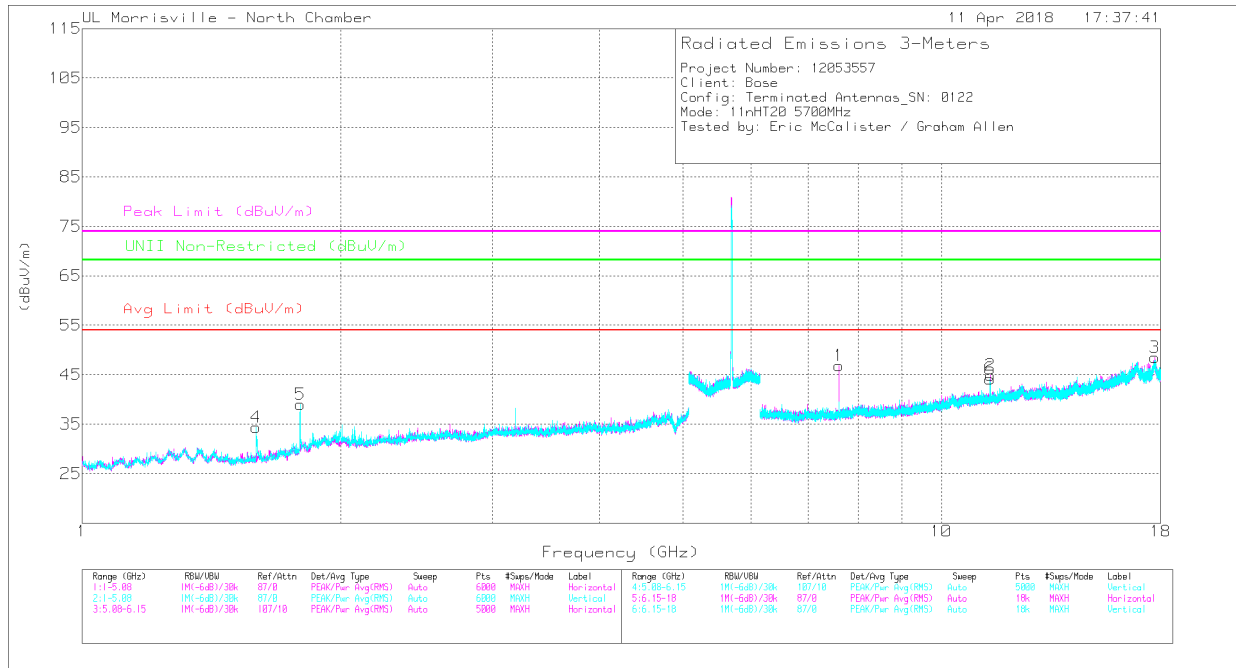
**MID CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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
4	*** 1.594	54.07	PK-U	27.9	-35.9	0	46.07	-	-	74	-27.93	-	-	306	104	V
	*** 1.594	32.73	ADR	27.9	-35.9	3.27	28	54	-26	-	-	-	-	306	104	V
1	** 5.189	38.81	PK-U	34.3	-22.8	0	50.31	-	-	-	-	68.2	-17.89	33	198	H
	** 5.19	27.11	ADR	34.3	-22.8	3.27	41.88	-	-	-	-	-	-	33	198	H
2	*** 7.44	42.87	PK-U	35.6	-29.6	0	48.87	-	-	74	-25.13	-	-	276	226	H
	*** 7.44	38.03	ADR	35.6	-29.6	3.27	47.3	54	-6.7	-	-	-	-	276	226	H
3	*** 11.16	40.99	PK-U	37.9	-26.3	0	52.59	-	-	74	-21.41	-	-	290	115	H
	*** 11.16	28.74	ADR	37.9	-26.3	3.27	43.61	54	-10.39	-	-	-	-	290	115	H
5	*** 7.44	39.88	PK-U	35.6	-29.6	0	45.88	-	-	74	-28.12	-	-	301	360	V
	*** 7.44	32.7	ADR	35.6	-29.6	3.27	41.97	54	-12.03	-	-	-	-	301	360	V
6	*** 11.159	40.23	PK-U	37.9	-26.3	0	51.83	-	-	74	-22.17	-	-	325	106	V
	*** 11.16	28.17	ADR	37.9	-26.3	3.27	43.04	54	-10.96	-	-	-	-	325	106	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

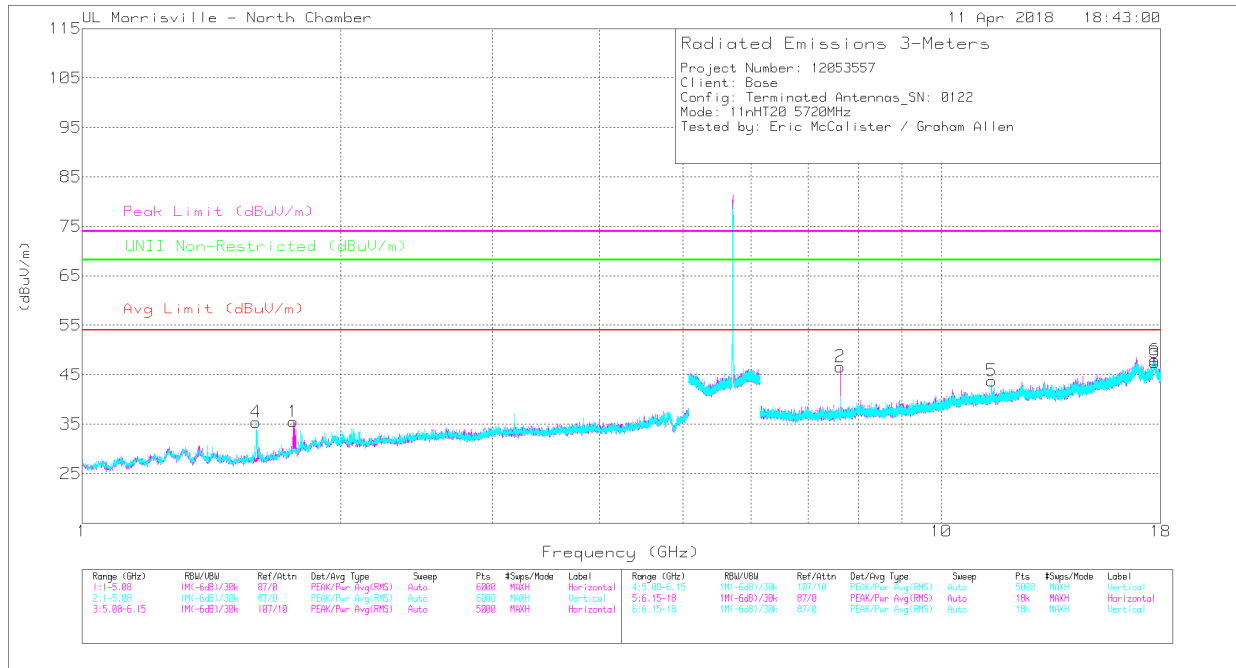
**HIGH CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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
4	*** 1.595	56.15	PK-U	27.9	-35.9	0	48.15	-	-	74	-25.85	-	-	317	147	V
	*** 1.594	32.88	ADR	27.9	-35.9	3.27	28.15	54	-25.85	-	-	-	-	317	147	V
1	*** 7.6	44.23	PK-U	35.7	-29.4	0	50.53	-	-	74	-23.47	-	-	274	214	H
	*** 7.6	40.47	ADR	35.7	-29.4	3.27	50.04	54	-3.96	-	-	-	-	274	214	H
2	*** 11.401	38.89	PK-U	38.1	-26.3	0	50.69	-	-	74	-23.31	-	-	316	115	H
	*** 11.399	26.12	ADR	38.1	-26.3	3.27	41.19	54	-12.81	-	-	-	-	316	115	H
3	*** 17.717	34.15	PK-U	41.2	-21.4	0	53.95	-	-	74	-20.05	-	-	319	326	H
	*** 17.715	22.47	ADR	41.2	-21.5	3.27	45.44	54	-8.56	-	-	-	-	319	326	H
6	*** 11.398	39.84	PK-U	38.1	-26.3	0	51.64	-	-	74	-22.36	-	-	324	104	V
	*** 11.398	25.7	ADR	38.1	-26.3	3.27	40.77	54	-13.23	-	-	-	-	324	104	V
5	1.793	54.71	PK-U	30.1	-35.9	0	48.91	-	-	-	-	68.2	-19.29	308	169	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

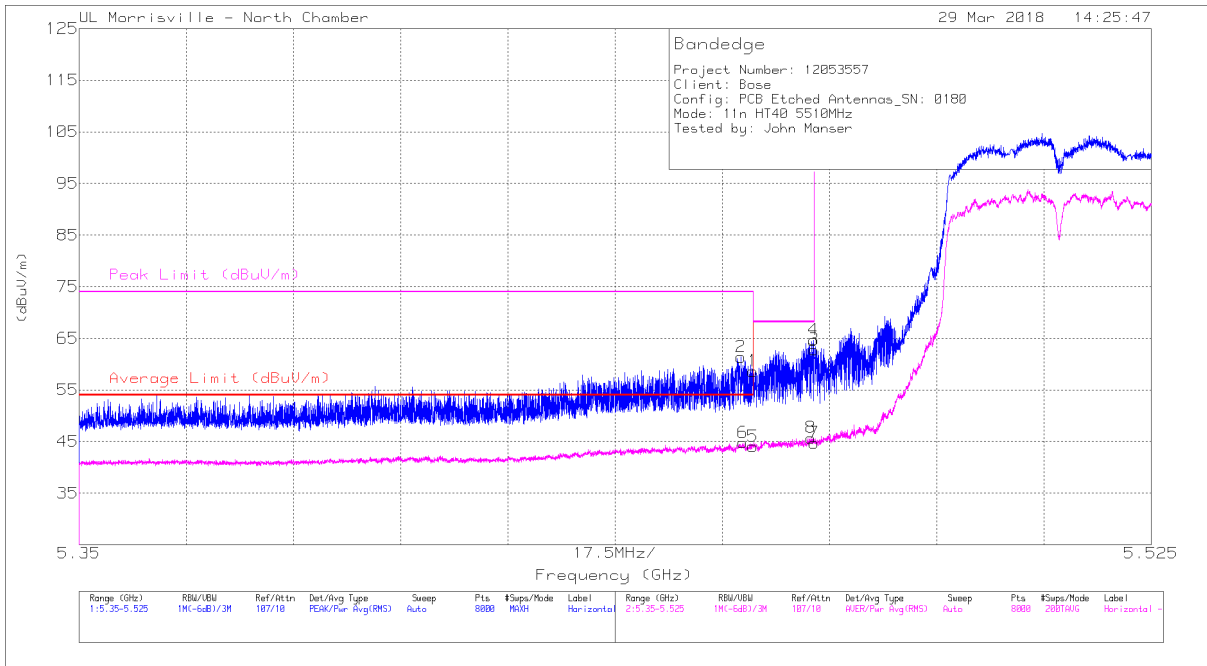
**STRADDLE CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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
4	*** 1.593	55.21	PK-U	27.9	-35.9	0	47.21	-	-	74	-26.79	-	-	298	152	V
	*** 1.593	32.78	ADR	27.9	-35.9	3.27	28.05	54	-25.95	-	-	-	-	298	152	V
2	*** 7.627	42.77	PK-U	35.7	-29.4	0	49.07	-	-	74	-24.93	-	-	270	211	H
	*** 7.627	38.04	ADR	35.7	-29.4	3.27	47.61	54	-6.39	-	-	-	-	270	211	H
3	*** 17.71	34.29	PK-U	41.2	-21.7	0	53.79	-	-	74	-20.21	-	-	35	155	H
	*** 17.711	22.57	ADR	41.2	-21.7	3.27	45.34	54	-8.66	-	-	-	-	35	155	H
5	*** 11.437	39.29	PK-U	38.1	-26.1	0	51.29	-	-	74	-22.71	-	-	335	112	V
	*** 11.439	26.04	ADR	38.1	-26	3.27	41.41	54	-12.59	-	-	-	-	335	112	V
6	*** 17.724	34.12	PK-U	41.2	-21.1	0	54.22	-	-	74	-19.78	-	-	62	154	V
	*** 17.726	22.58	ADR	41.2	-21.1	3.27	45.95	54	-8.05	-	-	-	-	62	154	V
1	1.758	45.55	PK-U	29.5	-35.8	0	39.25	-	-	-	-	68.2	-28.95	214	152	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

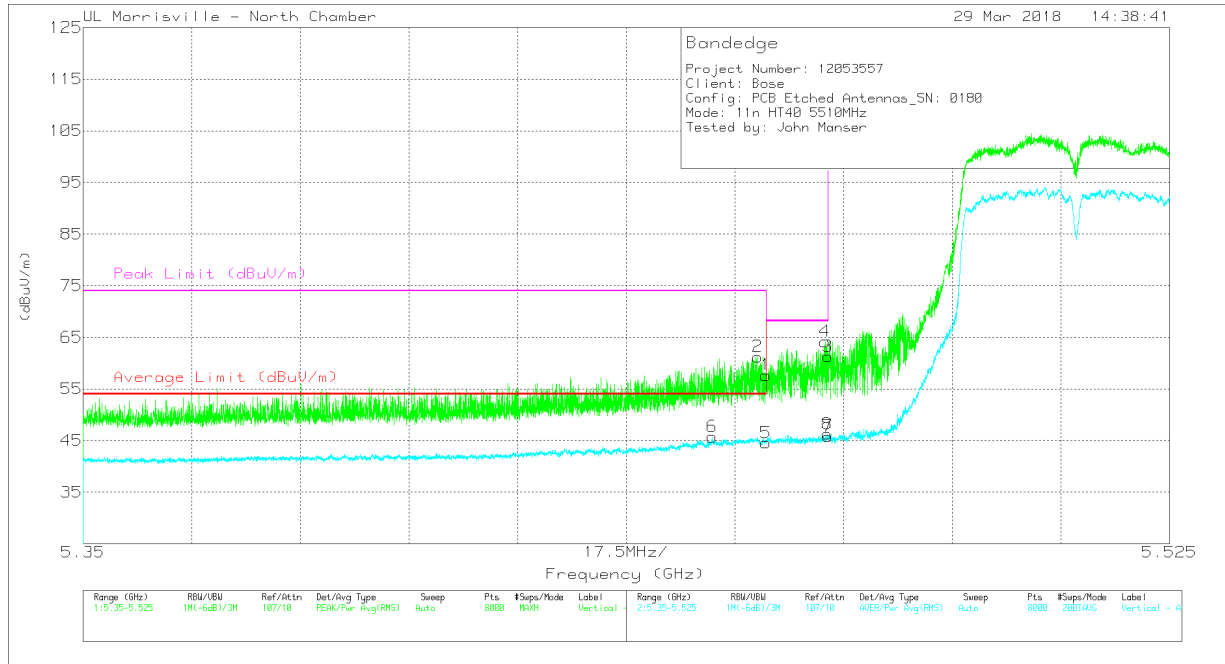
**10.13. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND**  
**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	47.24	Pk	34.5	-23.1	0	58.64	-	-	74	-15.36	324	149	H
2	* ** 5.458	49.98	Pk	34.5	-23.1	0	61.38	-	-	74	-12.62	324	149	H
5	* ** 5.46	30.07	RMS	34.5	-23.1	2.52	43.99	54	-10.01	-	-	324	149	H
6	* ** 5.458	30.77	RMS	34.5	-23.1	2.52	44.69	54	-9.31	-	-	324	149	H
8	5.469	31.61	RMS	34.5	-23	2.52	45.63	-	-	-	-	324	149	H
3	5.47	51.3	Pk	34.5	-23	0	62.8	-	-	68.2	-5.4	324	149	H
4	5.47	53.17	Pk	34.5	-23	0	64.67	-	-	68.2	-3.53	324	149	H
7	5.47	30.65	RMS	34.5	-23	2.52	44.67	-	-	-	-	324	149	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	46.3	Pk	34.5	-23.1	0	57.7	-	-	74	-16.3	175	170	V
2	*** 5.459	49.84	Pk	34.5	-23.1	0	61.24	-	-	74	-12.76	175	170	V
5	*** 5.46	30.53	RMS	34.5	-23.1	2.52	44.45	54	-9.55	-	-	175	170	V
6	*** 5.451	31.83	RMS	34.4	-23.1	2.52	45.65	54	-8.35	-	-	175	170	V
3	5.47	49.81	Pk	34.5	-23	0	61.31	-	-	68.2	-6.89	175	170	V
4	5.47	52.68	Pk	34.5	-23	0	64.18	-	-	68.2	-4.02	175	170	V
7	5.47	31.71	RMS	34.5	-23	2.52	45.73	-	-	-	-	175	170	V
8	5.47	32.14	RMS	34.5	-23	2.52	46.16	-	-	-	-	175	170	V

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

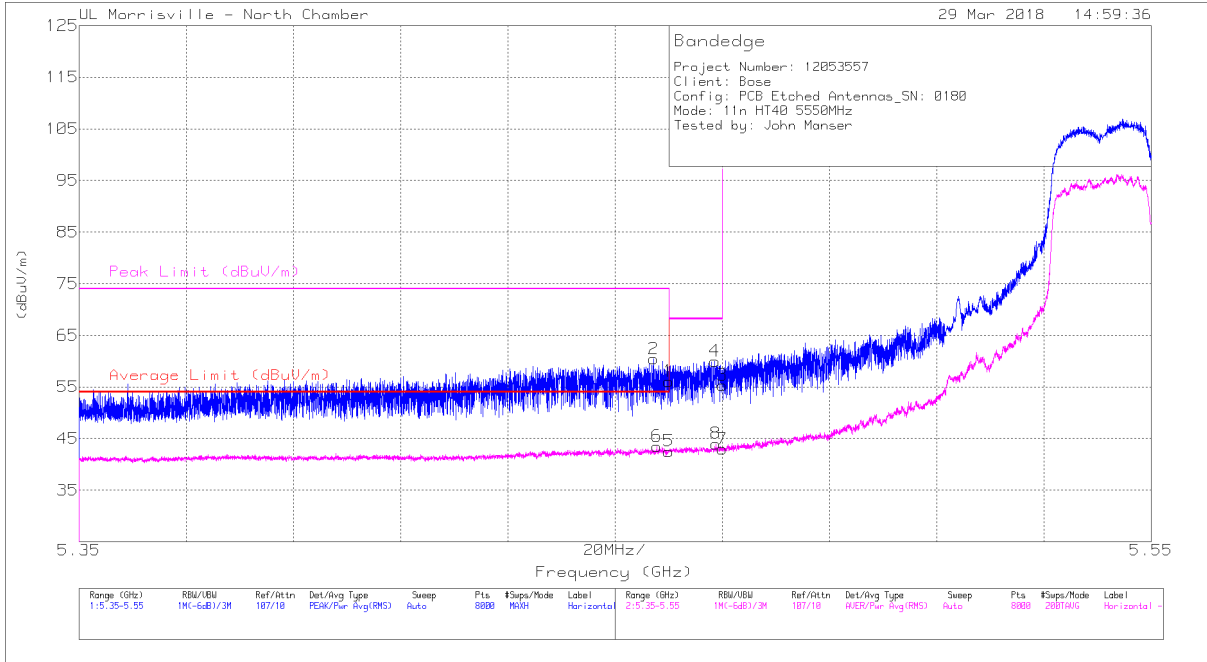
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection



**AUTHORIZED BANDEDGE (5550 MHz) HORIZONTAL MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	44.67	Pk	34.5	-23.1	0	56.07	-	-	74	-17.93	198	172	H
2	*** 5.457	49.05	Pk	34.5	-23.1	0	60.45	-	-	74	-13.55	198	172	H
5	*** 5.46	28.53	RMS	34.5	-23.1	2.52	42.45	54	-11.55	-	-	198	172	H
6	*** 5.458	29.5	RMS	34.5	-23.1	2.52	43.42	54	-10.58	-	-	198	172	H
4	5.469	48.6	Pk	34.5	-23.1	0	60	-	-	68.2	-8.2	198	172	H
8	5.469	29.9	RMS	34.5	-23	2.52	43.92	-	-	-	-	198	172	H
3	5.47	43.86	Pk	34.5	-23	0	55.36	-	-	68.2	-12.84	198	172	H
7	5.47	28.84	RMS	34.5	-23	2.52	42.86	-	-	-	-	198	172	H

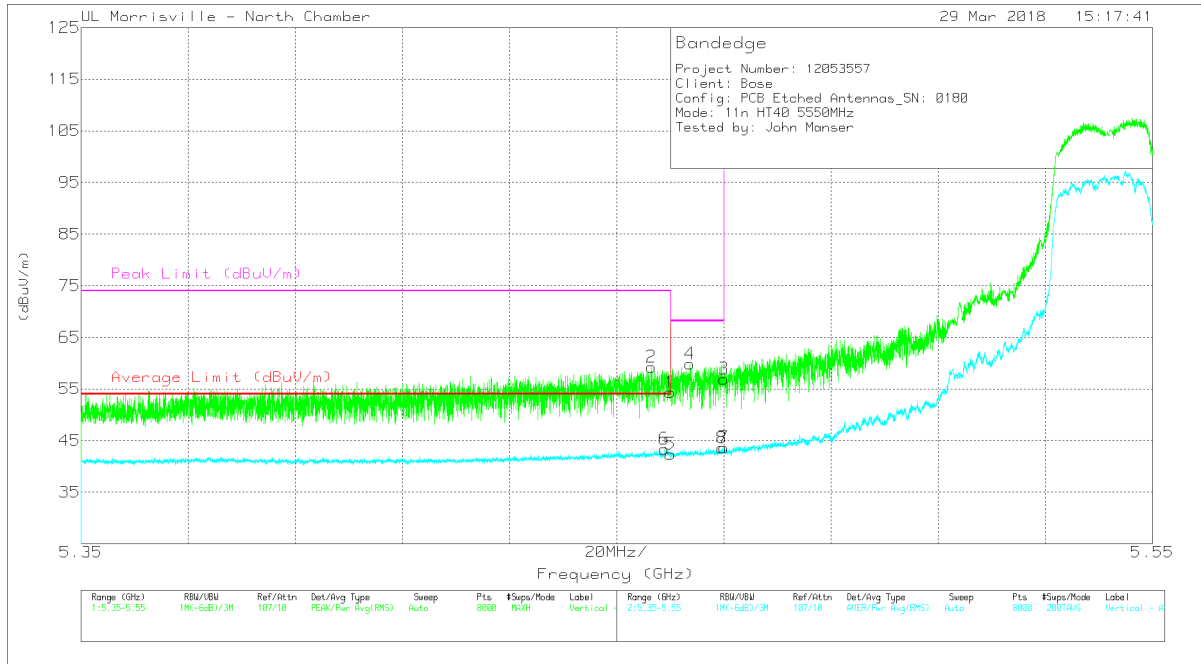
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (5550 MHz) VERTICAL MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	42.93	Pk	34.5	-23.1	0	54.33	-	-	74	-19.67	253	107	V
2	*** 5.456	47.85	Pk	34.5	-23.1	0	59.25	-	-	74	-14.75	253	107	V
5	*** 5.46	28.4	RMS	34.5	-23.1	2.52	42.32	54	-11.68	-	-	253	107	V
6	*** 5.459	29.36	RMS	34.5	-23.1	2.52	43.28	54	-10.72	-	-	253	107	V
4	5.464	48.47	Pk	34.5	-23.1	0	59.87	-	-	68.2	-8.33	253	107	V
3	5.47	45.45	Pk	34.5	-23	0	56.95	-	-	68.2	-11.25	253	107	V
7	5.47	29.53	RMS	34.5	-23	2.52	43.55	-	-	-	-	253	107	V
8	5.47	29.45	RMS	34.5	-23	2.52	43.47	-	-	-	-	253	107	V

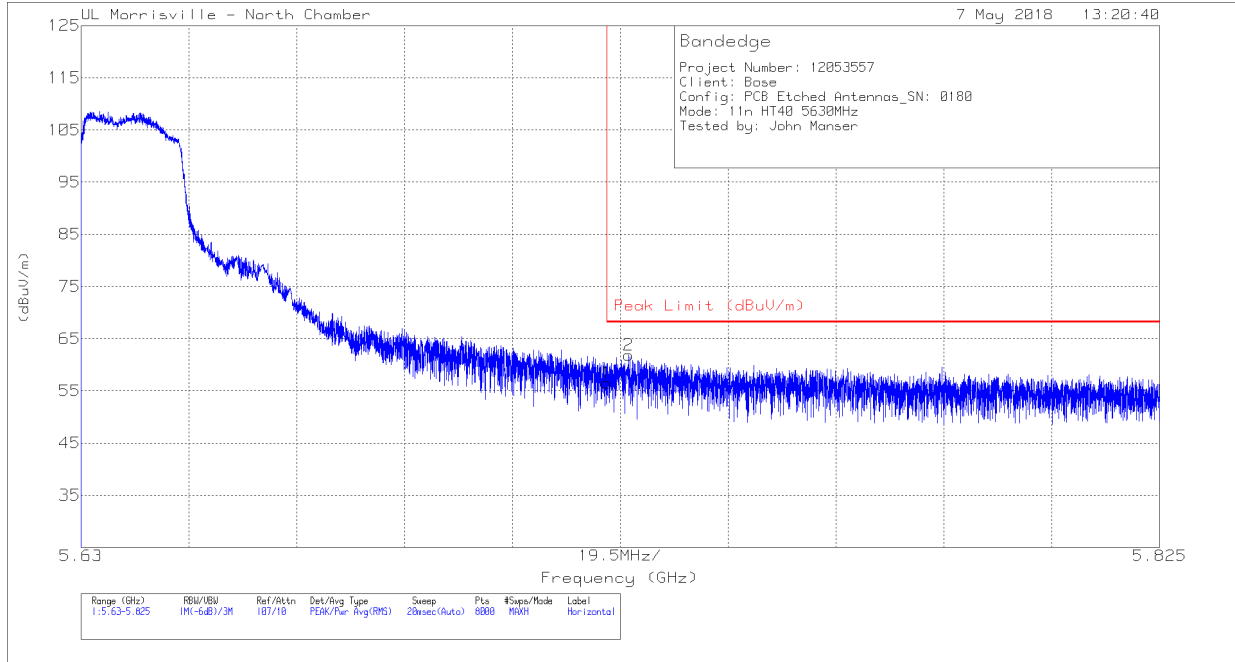
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

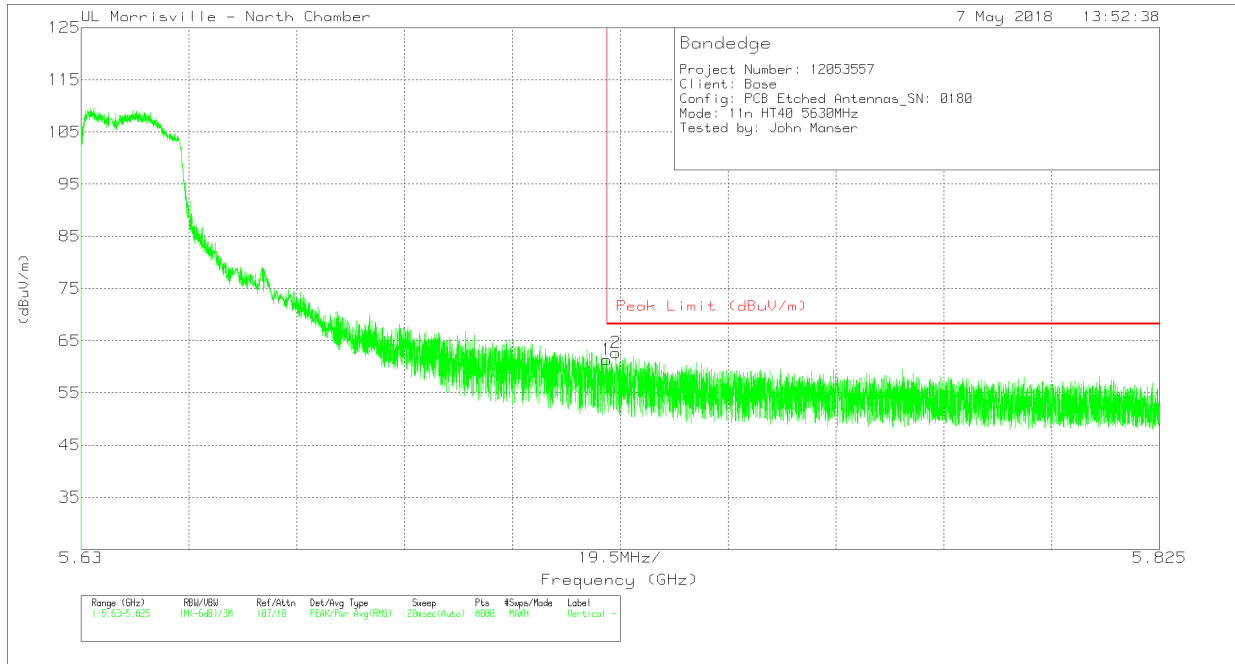
**AUTHORIZED BANDEDGE (5630MHz) HORIZONTAL MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	44.79	Pk	34.7	-23	0	56.49	68.2	-11.71	137	102	H
2	5.729	50.17	Pk	34.7	-23	0	61.87	68.2	-6.33	137	102	H

Pk - Peak detector

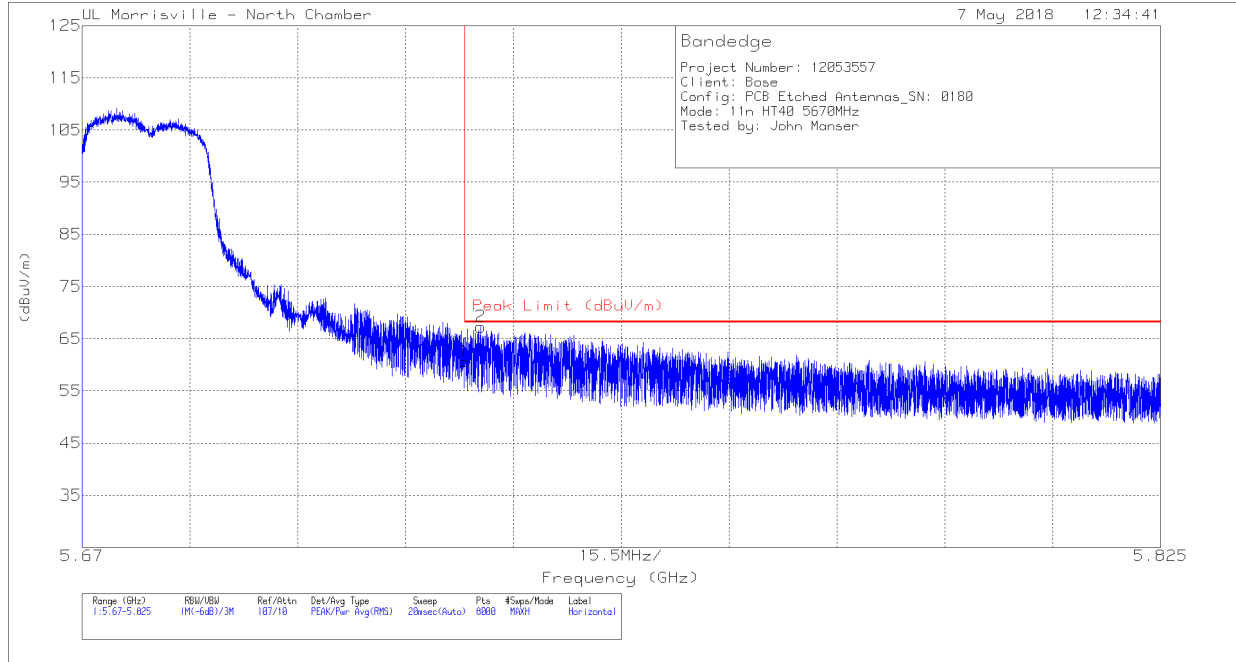
**AUTHORIZED BANDEDGE (5630MHz) VERTICAL MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	49.69	Pk	34.7	-23	0	61.39	68.2	-6.81	165	139	V
2	5.727	51.01	Pk	34.7	-23	0	62.71	68.2	-5.49	165	139	V

Pk - Peak detector

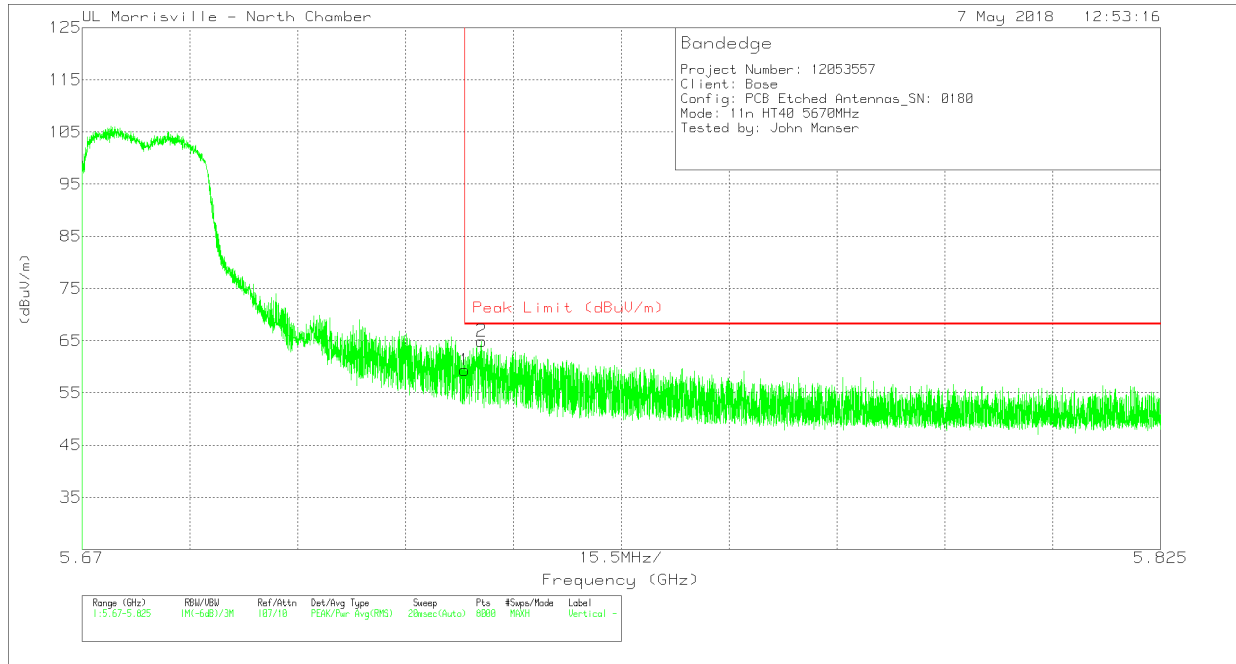
**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	48.96	Pk	34.7	-23	0	60.66	68.2	-7.54	271	235	H
2	5.727	55.57	Pk	34.7	-23	0	67.27	68.2	-9.93	271	235	H

Pk - Peak detector

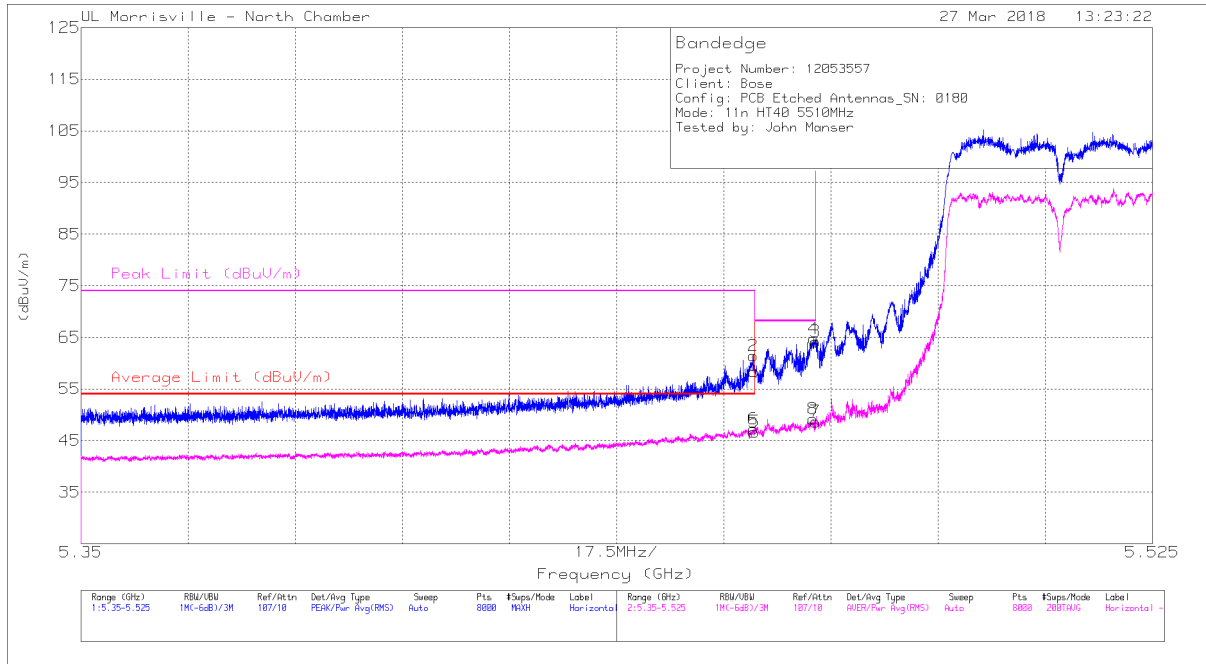
**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	47.67	Pk	34.7	-23	0	59.37	68.2	-8.83	193	110	V
2	5.727	53.24	Pk	34.7	-23	0	64.94	68.2	-3.26	193	110	V

Pk - Peak detector

**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL MCS7 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	46.94	Pk	34.5	-23.1	0	58.34	-	-	74	-15.66	252	220	H
2	*** 5.46	50.02	Pk	34.5	-23.1	0	61.42	-	-	74	-12.58	252	220	H
5	*** 5.46	32.67	RMS	34.5	-23.1	2.52	46.59	54	-7.41	-	-	252	220	H
6	*** 5.46	33.25	RMS	34.5	-23.1	2.52	47.17	54	-6.83	-	-	252	220	H
3	5.47	52.66	Pk	34.5	-23	0	64.16	-	-	68.2	-4.04	252	220	H
4	5.47	53.2	Pk	34.5	-23	0	64.7	-	-	68.2	-3.5	252	220	H
7	5.47	34.55	RMS	34.5	-23	2.52	48.57	-	-	-	-	252	220	H
8	5.47	35.1	RMS	34.5	-23	2.52	49.12	-	-	-	-	252	220	H

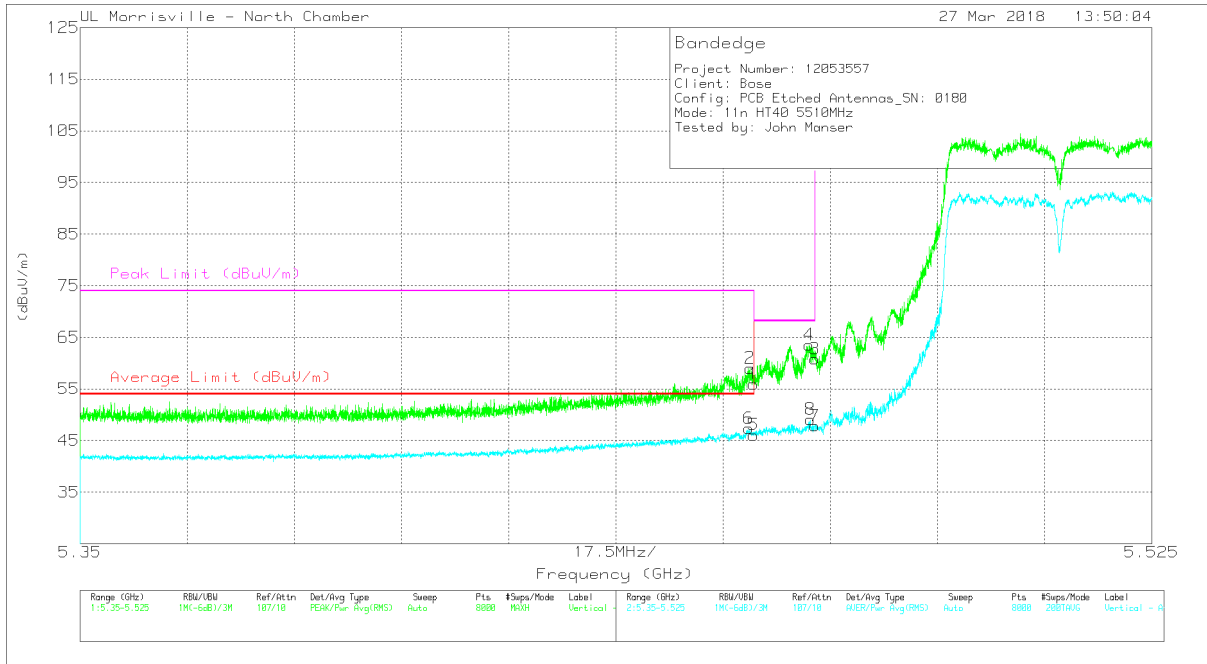
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL MCS7 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	44.59	Pk	34.5	-23.1	0	55.99	-	-	74	-18.01	177	244	V
2	*** 5.459	47.62	Pk	34.5	-23.1	0	59.02	-	-	74	-14.98	177	244	V
5	*** 5.46	32.08	RMS	34.5	-23.1	2.52	46	54	-8	-	-	177	244	V
6	*** 5.459	33.35	RMS	34.5	-23.1	2.52	47.27	54	-6.73	-	-	177	244	V
4	5.469	52.03	Pk	34.5	-23	0	63.53	-	-	68.2	-4.67	177	244	V
8	5.469	34.99	RMS	34.5	-23	2.52	49.01	-	-	-	-	177	244	V
3	5.47	49.29	Pk	34.5	-23	0	60.79	-	-	68.2	-7.41	177	244	V
7	5.47	33.72	RMS	34.5	-23	2.52	47.74	-	-	-	-	177	244	V

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

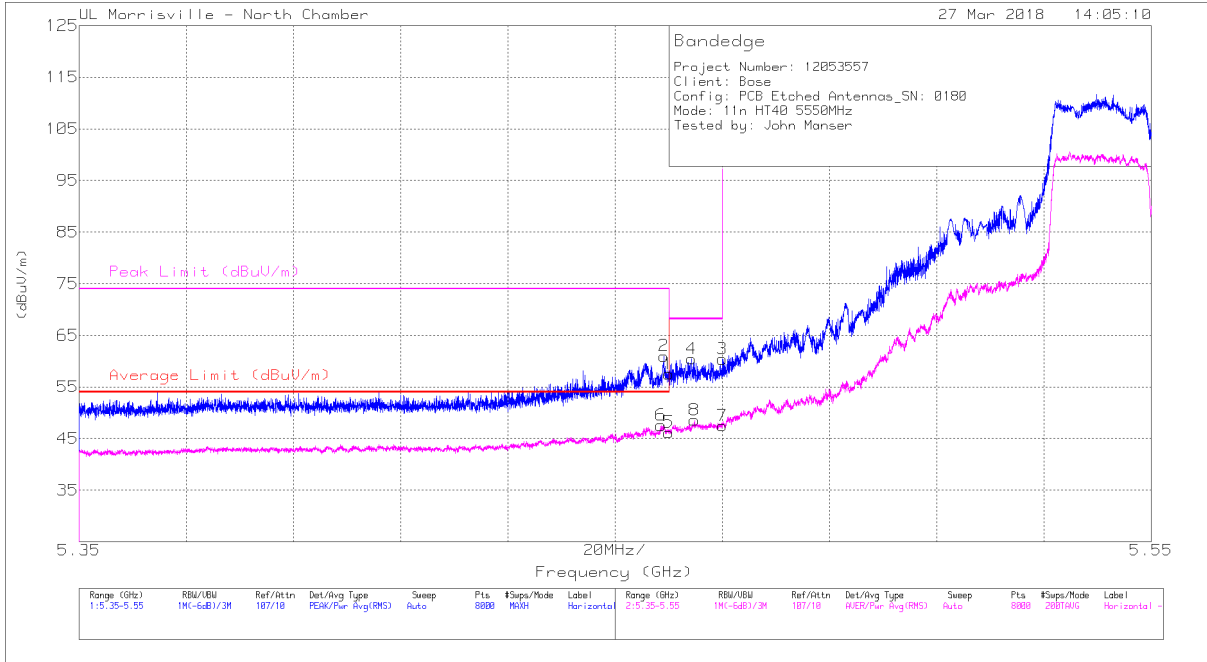
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection



**RESTRICTED BANDEDGE (5550 MHz) HORIZONTAL MCS7 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	46.09	Pk	34.5	-23.1	0	57.49	-	-	74	-16.51	276	238	H
2	*** 5.459	49.59	Pk	34.5	-23.1	0	60.99	-	-	74	-13.01	276	238	H
5	*** 5.46	32.19	RMS	34.5	-23.1	2.52	46.11	54	-7.89	-	-	276	238	H
6	*** 5.459	33.56	RMS	34.5	-23.1	2.52	47.48	54	-6.52	-	-	276	238	H
4	5.464	49.05	Pk	34.5	-23.1	0	60.45	-	-	68.2	-7.75	276	238	H
8	5.465	34.59	RMS	34.5	-23.1	2.52	48.51	-	-	-	-	276	238	H
3	5.47	48.91	Pk	34.5	-23	0	60.41	-	-	68.2	-7.79	276	238	H
7	5.47	33.38	RMS	34.5	-23	2.52	47.4	-	-	-	-	276	238	H

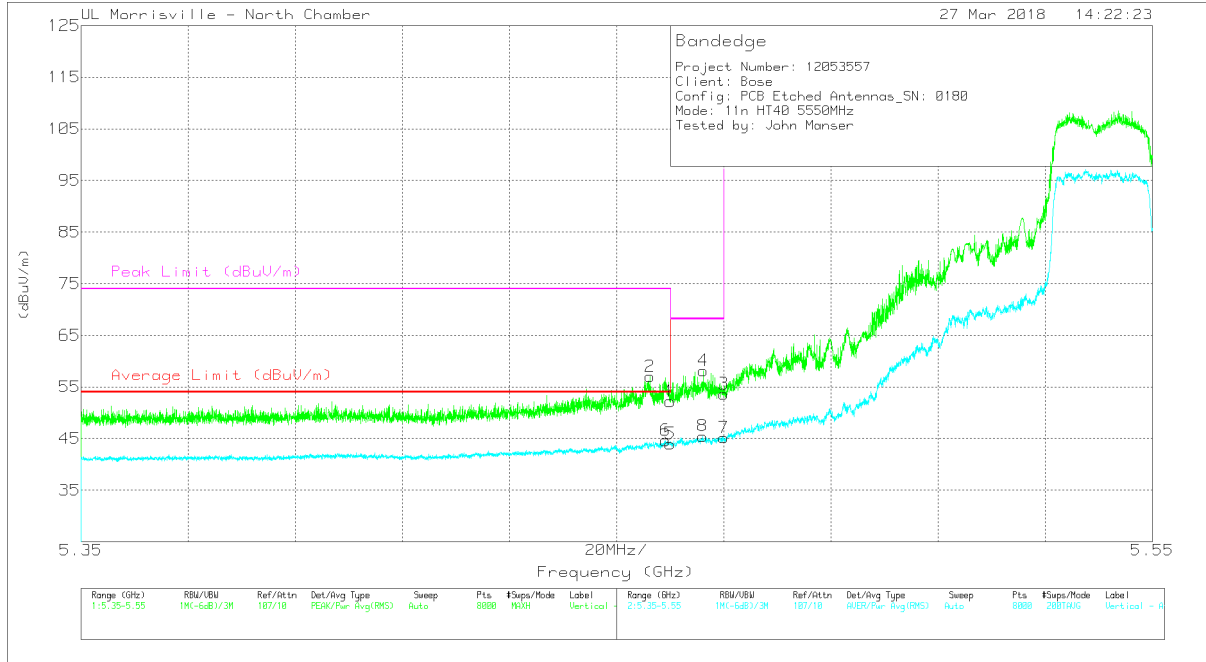
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (5550 MHz) VERTICAL MCS7 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	40.82	Pk	34.5	-23.1	0	52.22	-	-	74	-21.78	313	301	V
2	*** 5.456	45.6	Pk	34.5	-23.1	0	57	-	-	74	-17	313	301	V
5	*** 5.46	29.99	RMS	34.5	-23.1	2.52	43.91	54	-10.09	-	-	313	301	V
6	*** 5.459	30.63	RMS	34.5	-23.1	2.52	44.55	54	-9.45	-	-	313	301	V
4	5.466	46.75	Pk	34.5	-23.1	0	58.15	-	-	68.2	-10.05	313	301	V
8	5.466	31.46	RMS	34.5	-23.1	2.52	45.38	-	-	-	-	313	301	V
3	5.47	42.15	Pk	34.5	-23	0	53.65	-	-	68.2	-14.55	313	301	V
7	5.47	31.04	RMS	34.5	-23	2.52	45.06	-	-	-	-	313	301	V

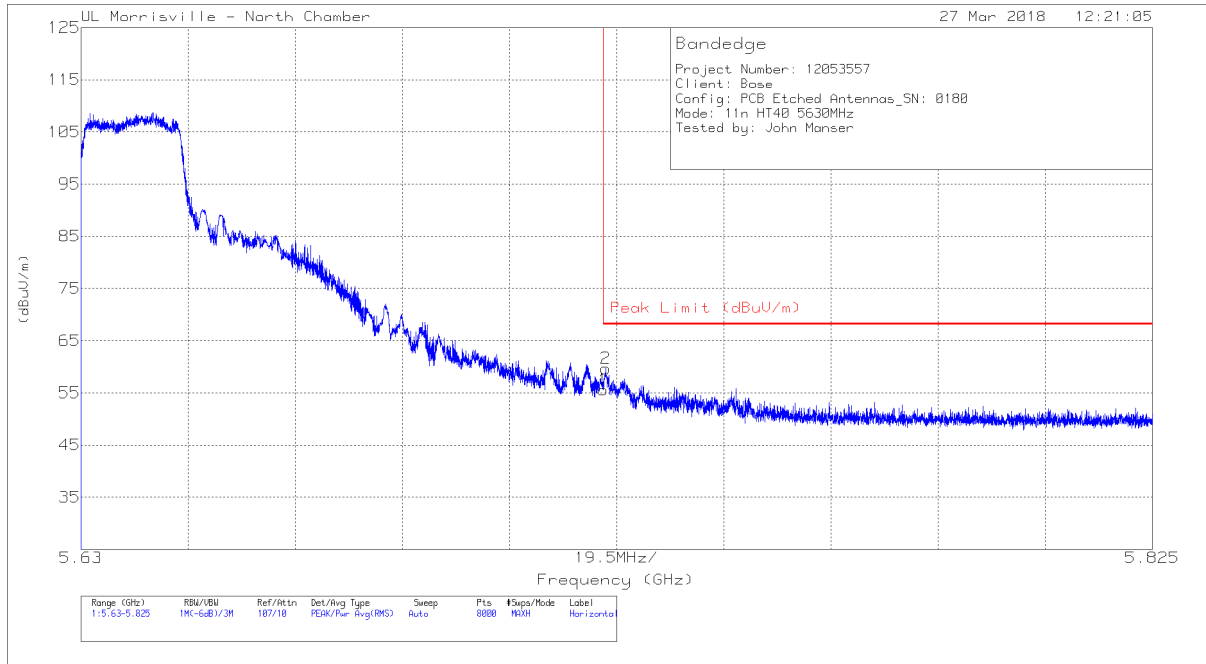
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (5630 MHz) HORIZONTAL MCS7 PCB ANTENNA**



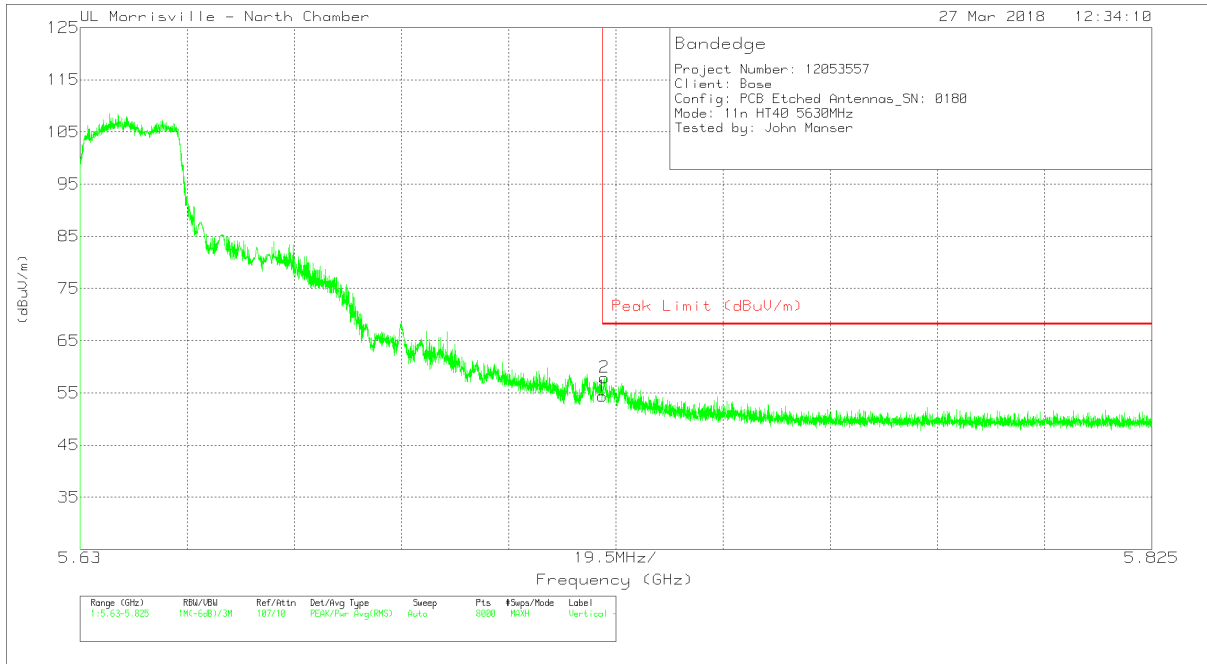
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.86	Pk	34.7	-23	0	55.56	68.2	-12.64	193	131	H
2	5.726	47.96	Pk	34.7	-23	0	59.66	68.2	-8.54	193	131	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (5630 MHz) VERTICAL MCS7 PCB ANTENNA**



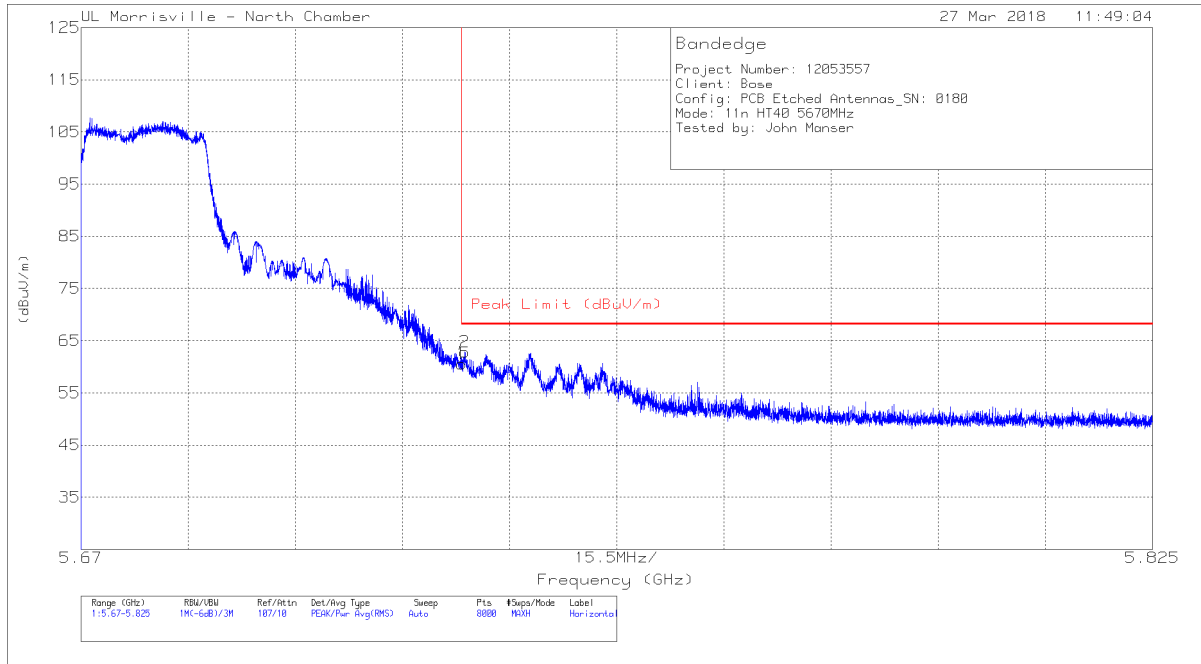
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.68	Pk	34.7	-23	0	54.38	68.2	-13.82	322	211	V
2	5.725	46.24	Pk	34.7	-23	0	57.94	68.2	-10.26	322	211	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS7 PCB ANTENNA**



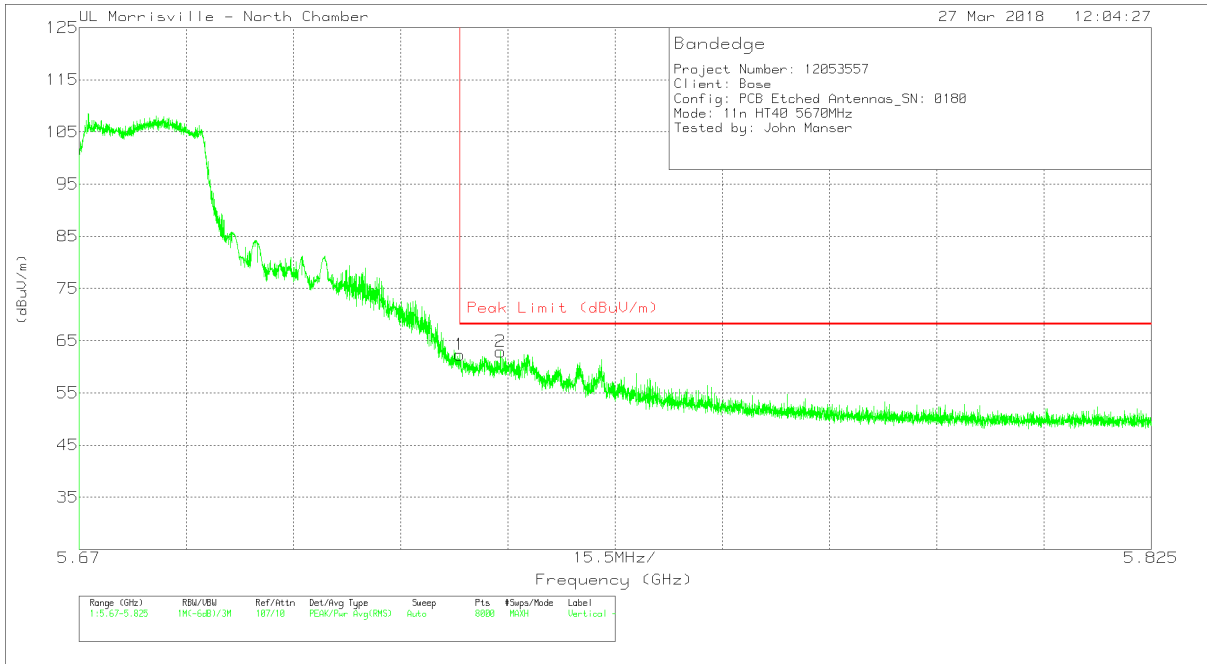
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	48.87	Pk	34.7	-23	0	60.57	68.2	-7.63	139	160	H
2	5.726	51.13	Pk	34.7	-23	0	62.83	68.2	-5.37	139	160	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS7 PCB ANTENNA**



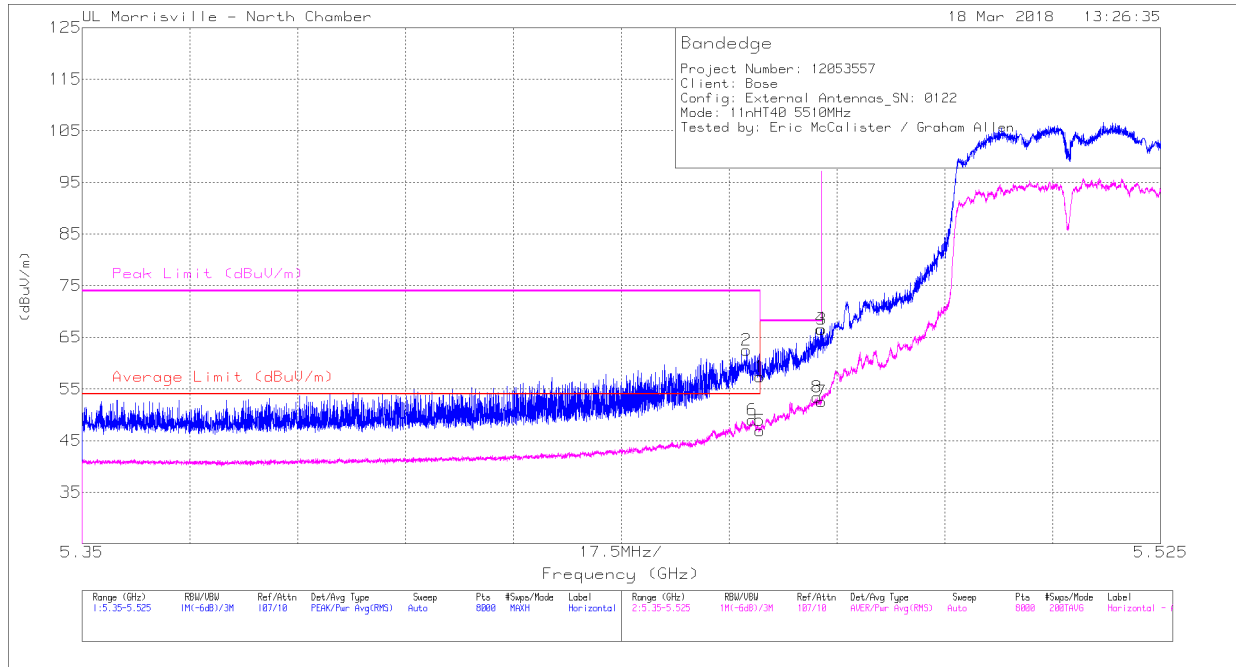
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	50.61	Pk	34.7	-23	0	62.31	68.2	-5.89	171	173	V
2	5.731	51.21	Pk	34.7	-23	0	62.91	68.2	-5.29	171	173	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL MCS0 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	45.31	Pk	34.5	-22.5	0	57.31	-	-	74	-16.69	45	102	H
2	*** 5.458	50.54	Pk	34.5	-22.5	0	62.54	-	-	74	-11.46	45	102	H
5	*** 5.46	32.32	RMS	34.5	-22.5	2.52	46.84	54	-7.16	-	-	45	102	H
6	*** 5.459	34.36	RMS	34.5	-22.5	2.52	48.88	54	-5.12	-	-	45	102	H
8	5.469	38.77	RMS	34.5	-22.5	2.52	53.29	-	-	-	-	45	102	H
3	5.47	54.59	Pk	34.5	-22.5	0	66.59	-	-	68.2	-1.61	45	102	H
4	5.47	54.62	Pk	34.5	-22.5	0	66.62	-	-	68.2	-1.58	45	102	H
7	5.47	37.96	RMS	34.5	-22.5	2.52	52.48	-	-	-	-	45	102	H

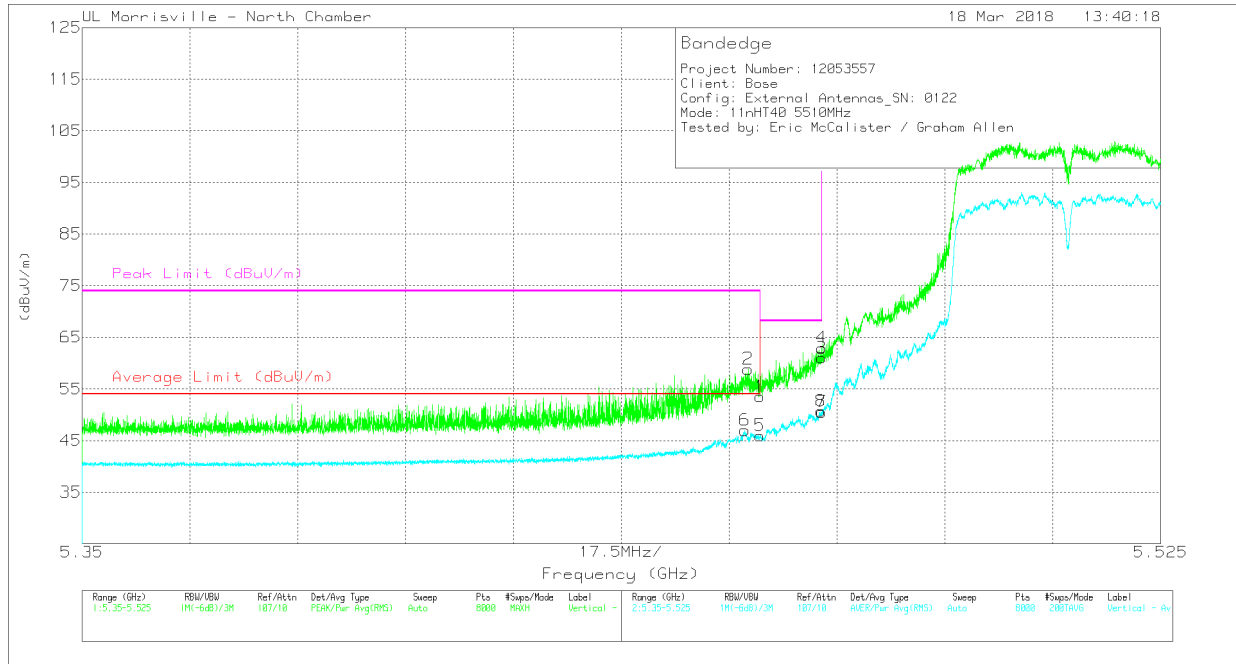
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL MCS0 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	41.56	Pk	34.5	-22.5	0	53.56	-	-	74	-20.44	135	106	V
2	*** 5.458	46.86	Pk	34.5	-22.5	0	58.86	-	-	74	-15.14	135	106	V
5	*** 5.46	31.35	RMS	34.5	-22.5	2.52	45.87	54	-8.13	-	-	135	106	V
6	*** 5.458	32.37	RMS	34.5	-22.5	2.52	46.89	54	-7.11	-	-	135	106	V
3	5.47	49.01	Pk	34.5	-22.5	0	61.01	-	-	68.2	-7.19	135	106	V
4	5.47	50.94	Pk	34.5	-22.5	0	62.94	-	-	68.2	-5.26	135	106	V
7	5.47	35.93	RMS	34.5	-22.5	2.52	50.45	-	-	-	-	135	106	V
8	5.47	36.08	RMS	34.5	-22.5	2.52	50.6	-	-	-	-	135	106	V

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

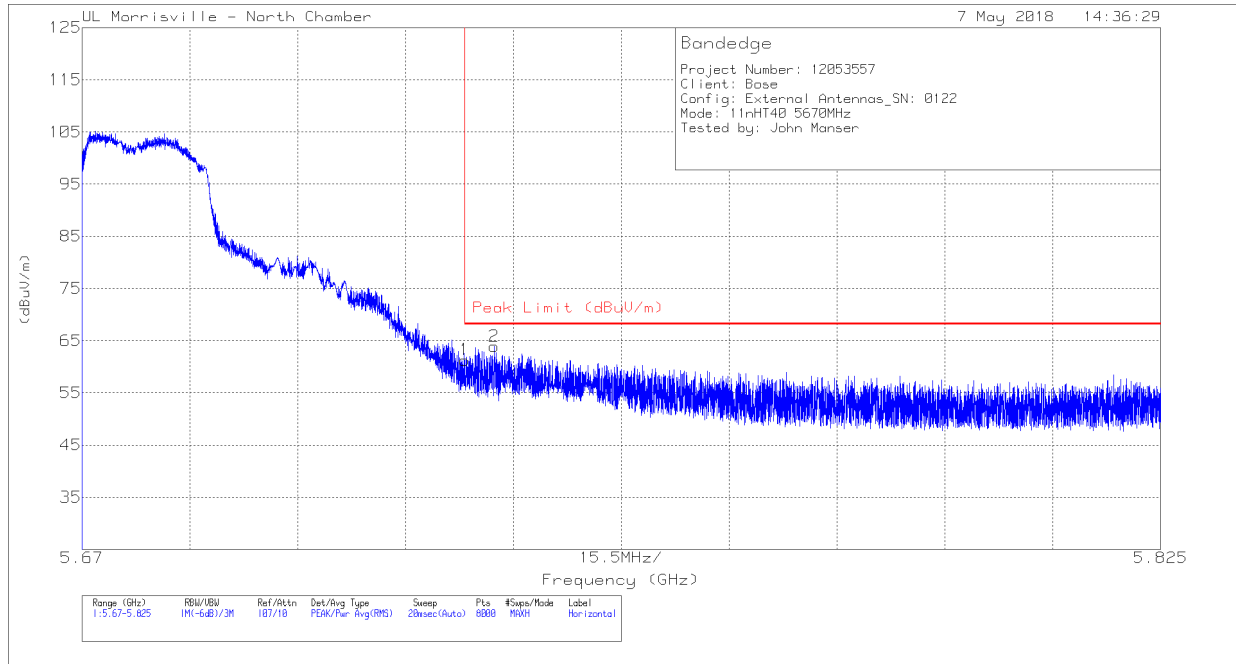
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection



**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS0 EXTERNAL ANTENNA**

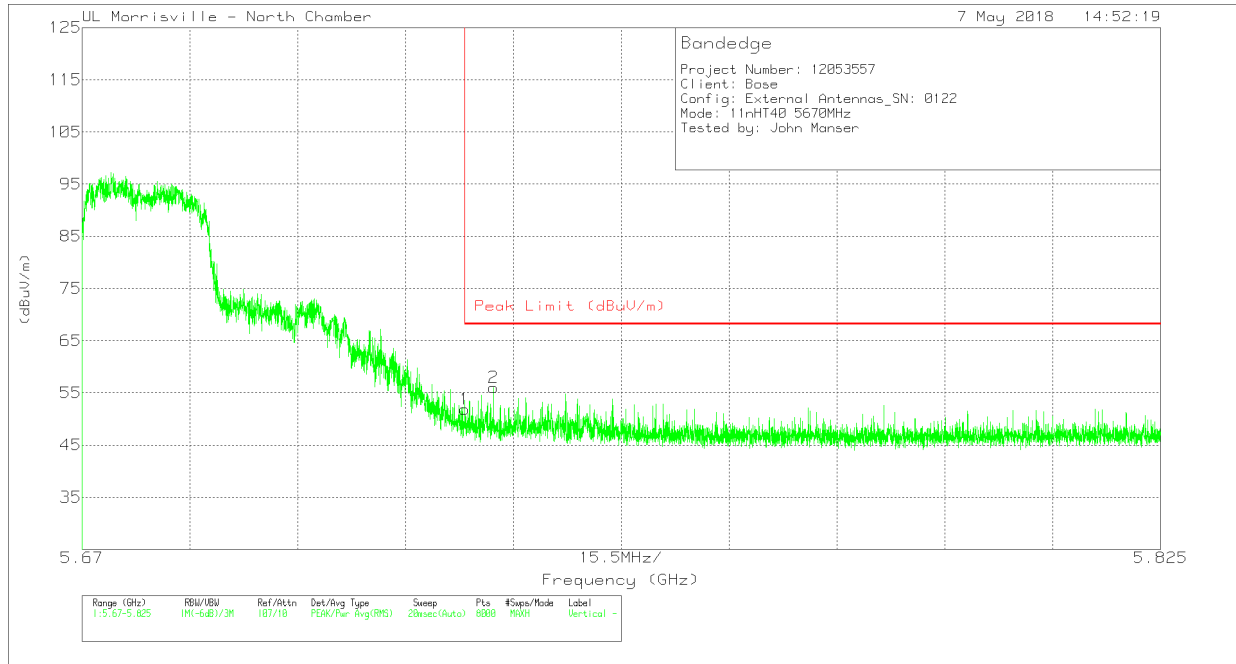


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	49.6	Pk	34.7	-23	0	61.3	68.2	-6.9	255	107	H
2	5.729	52.21	Pk	34.7	-23	0	63.91	68.2	-4.29	255	107	H

PK - Peak detector

Note – High channel Radiated Bandedge was tested at the worst-case power setting for maximum results.

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS0 EXTERNAL ANTENNA**

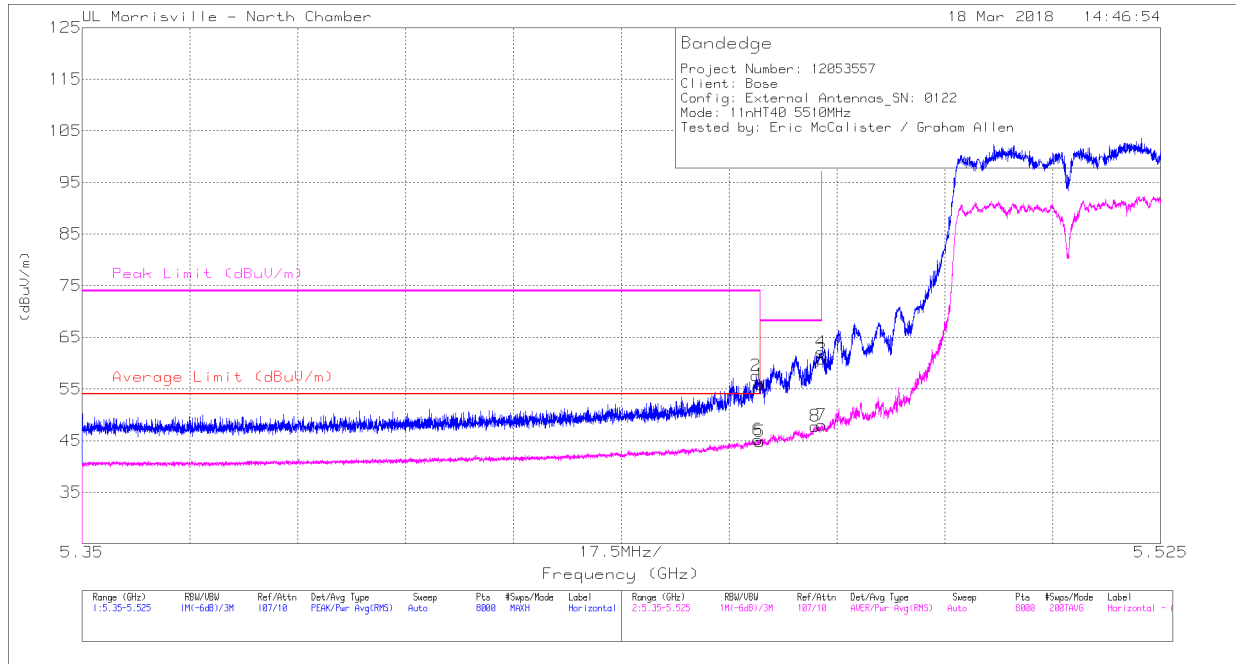


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.17	Pk	34.7	-23	0	51.87	68.2	-16.33	53	142	V
2	5.729	44.32	Pk	34.7	-23	0	56.02	68.2	-12.18	53	142	V

Pk - Peak detector

Note – High channel Radiated Bandedge was tested at the worst-case power setting for maximum results.

**RESTRICTED BANDEGE (LOW CHANNEL) HORIZONTAL MCS7 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	43.89	Pk	34.5	-22.5	0	55.89	-	-	74	-18.11	25	313	H
2	* ** 5.459	45.61	Pk	34.5	-22.5	0	57.61	-	-	74	-16.39	25	313	H
5	* ** 5.46	30.18	RMS	34.5	-22.5	2.52	44.7	54	-9.3	-	-	25	313	H
6	* ** 5.46	30.58	RMS	34.5	-22.5	2.52	45.1	54	-8.9	-	-	25	313	H
8	5.469	33.19	RMS	34.5	-22.5	2.52	47.71	-	-	-	-	25	313	H
3	5.47	48.77	Pk	34.5	-22.5	0	60.77	-	-	68.2	-7.43	25	313	H
4	5.47	50.13	Pk	34.5	-22.5	0	62.13	-	-	68.2	-6.07	25	313	H
7	5.47	33.37	RMS	34.5	-22.5	2.52	47.89	-	-	-	-	25	313	H

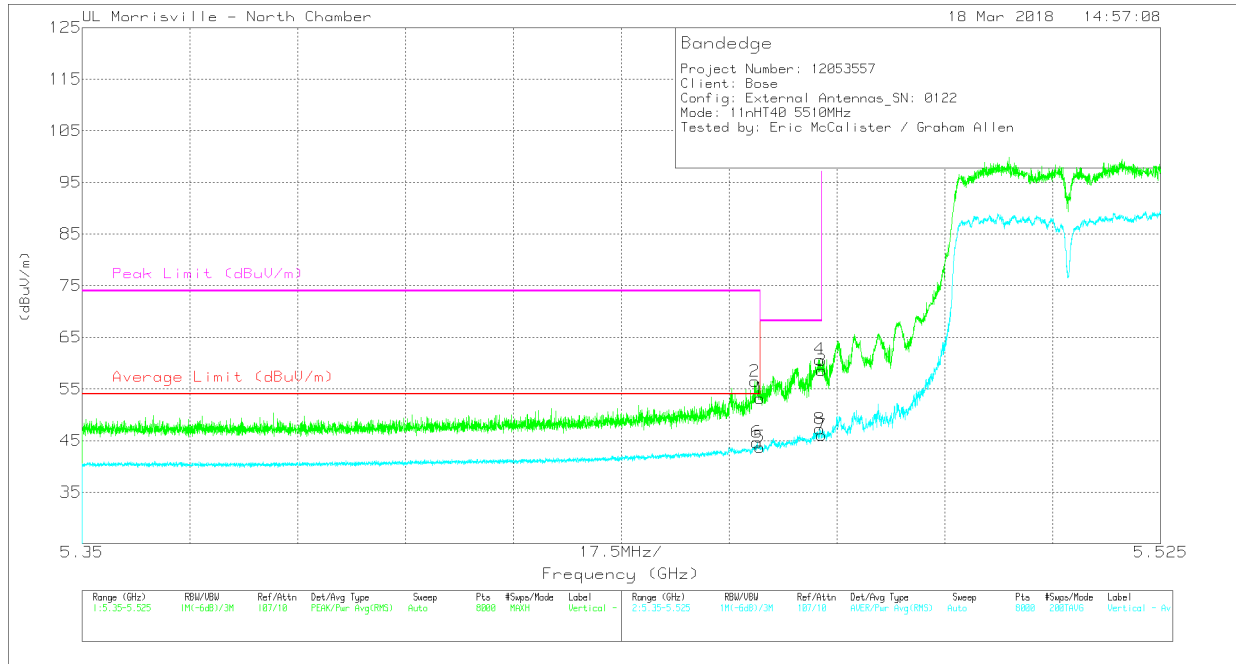
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEGE (LOW CHANNEL) VERTICAL MCS7 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	41.17	Pk	34.5	-22.5	0	53.17	-	-	74	-20.83	132	101	V
2	*** 5.459	44.47	Pk	34.5	-22.5	0	56.47	-	-	74	-17.53	132	101	V
5	*** 5.46	29.15	RMS	34.5	-22.5	2.52	43.67	54	-10.33	-	-	132	101	V
6	*** 5.46	30.03	RMS	34.5	-22.5	2.52	44.55	54	-9.45	-	-	132	101	V
3	5.47	46.54	Pk	34.5	-22.5	0	58.54	-	-	68.2	-9.66	132	101	V
4	5.47	48.73	Pk	34.5	-22.5	0	60.73	-	-	68.2	-7.47	132	101	V
7	5.47	31.43	RMS	34.5	-22.5	2.52	45.95	-	-	-	-	132	101	V
8	5.47	32.64	RMS	34.5	-22.5	2.52	47.16	-	-	-	-	132	101	V

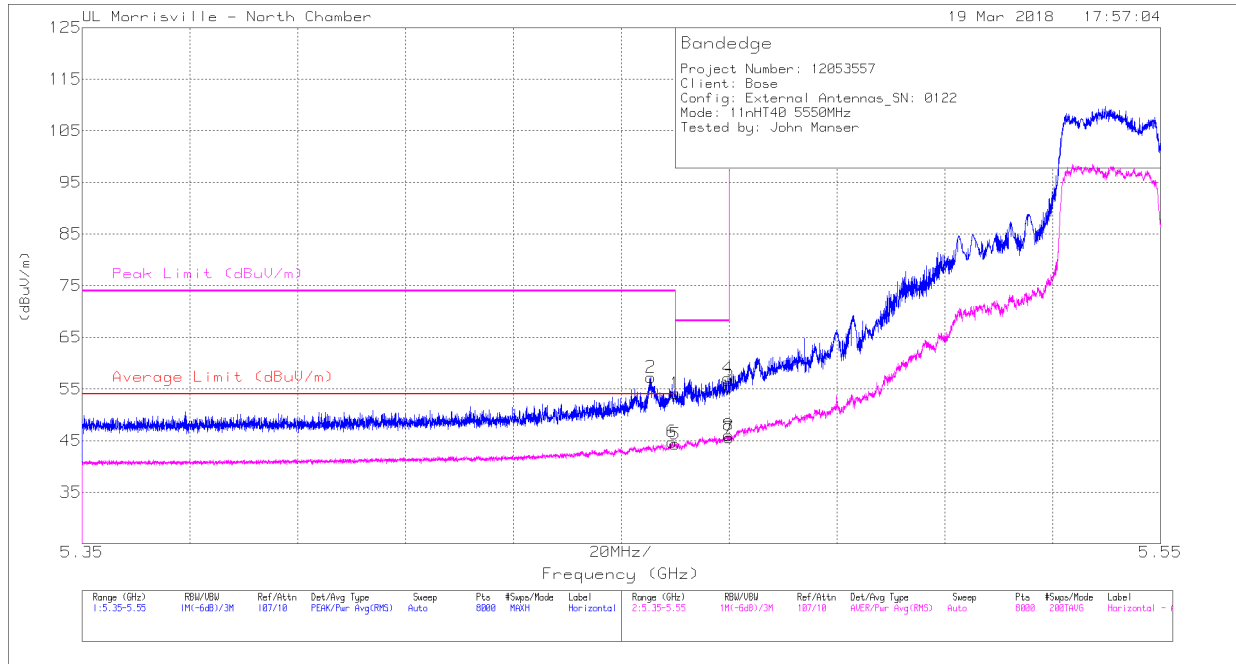
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (5550 MHz) HORIZONTAL MCS7 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	42.18	Pk	34.5	-22.5	0	54.18	-	-	74	-19.82	271	111	H
2	*** 5.455	45.26	Pk	34.5	-22.5	0	57.26	-	-	74	-16.74	271	111	H
5	*** 5.46	29.67	RMS	34.5	-22.5	2.52	44.19	54	-9.81	-	-	271	111	H
6	*** 5.459	30.14	RMS	34.5	-22.5	2.52	44.66	54	-9.34	-	-	271	111	H
3	5.47	43.46	Pk	34.5	-22.5	0	55.46	-	-	68.2	-12.74	271	111	H
4	5.47	45.12	Pk	34.5	-22.5	0	57.12	-	-	68.2	-11.08	271	111	H
7	5.47	30.93	RMS	34.5	-22.5	2.52	45.45	-	-	-	-	271	111	H
8	5.47	31.41	RMS	34.5	-22.5	2.52	45.93	-	-	-	-	271	111	H

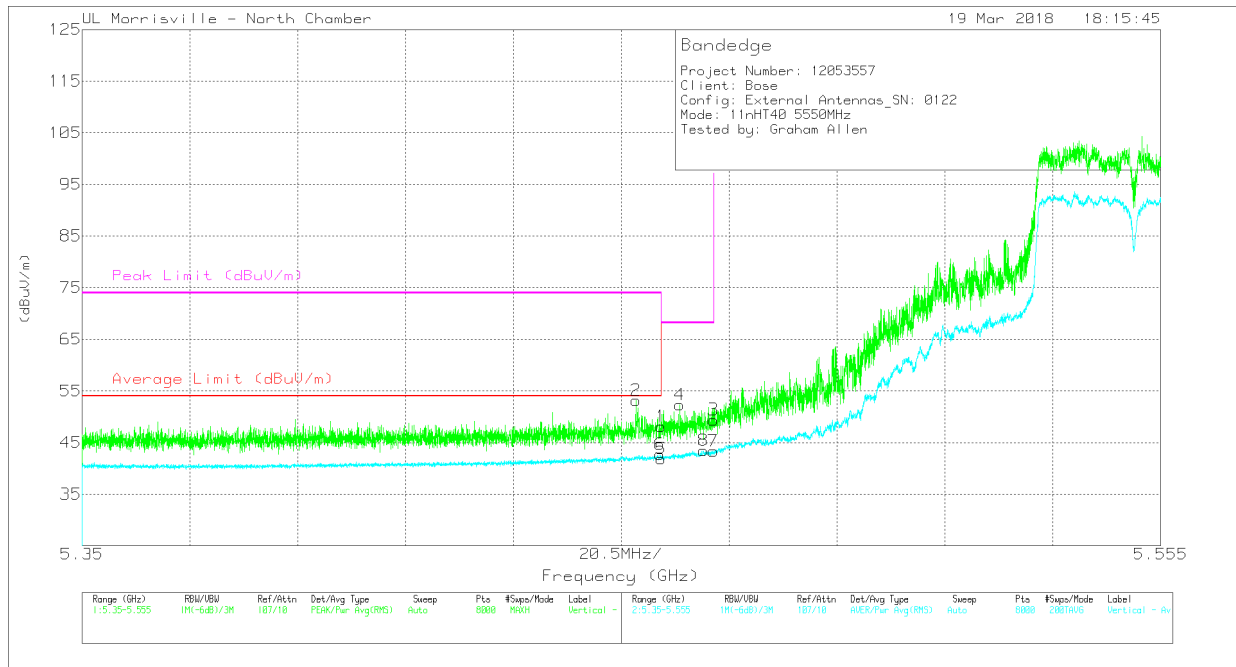
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (5550 MHz) VERTICAL MCS7 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	36.09	Pk	34.5	-22.5	0	48.09	-	-	74	-25.91	128	103	V
2	*** 5.455	41.13	Pk	34.5	-22.5	0	53.13	-	-	74	-20.87	128	103	V
5	*** 5.46	27.27	RMS	34.5	-22.5	2.52	41.79	54	-12.21	-	-	128	103	V
6	*** 5.46	28.13	RMS	34.5	-22.5	2.52	42.65	54	-11.35	-	-	128	103	V
4	5.464	40.4	Pk	34.5	-22.6	0	52.3	-	-	68.2	-15.9	128	103	V
8	5.468	28.86	RMS	34.5	-22.5	2.52	43.38	-	-	-	-	128	103	V
3	5.47	37.4	Pk	34.5	-22.5	0	49.4	-	-	68.2	-18.8	128	103	V
7	5.47	28.74	RMS	34.5	-22.5	2.52	43.26	-	-	-	-	128	103	V

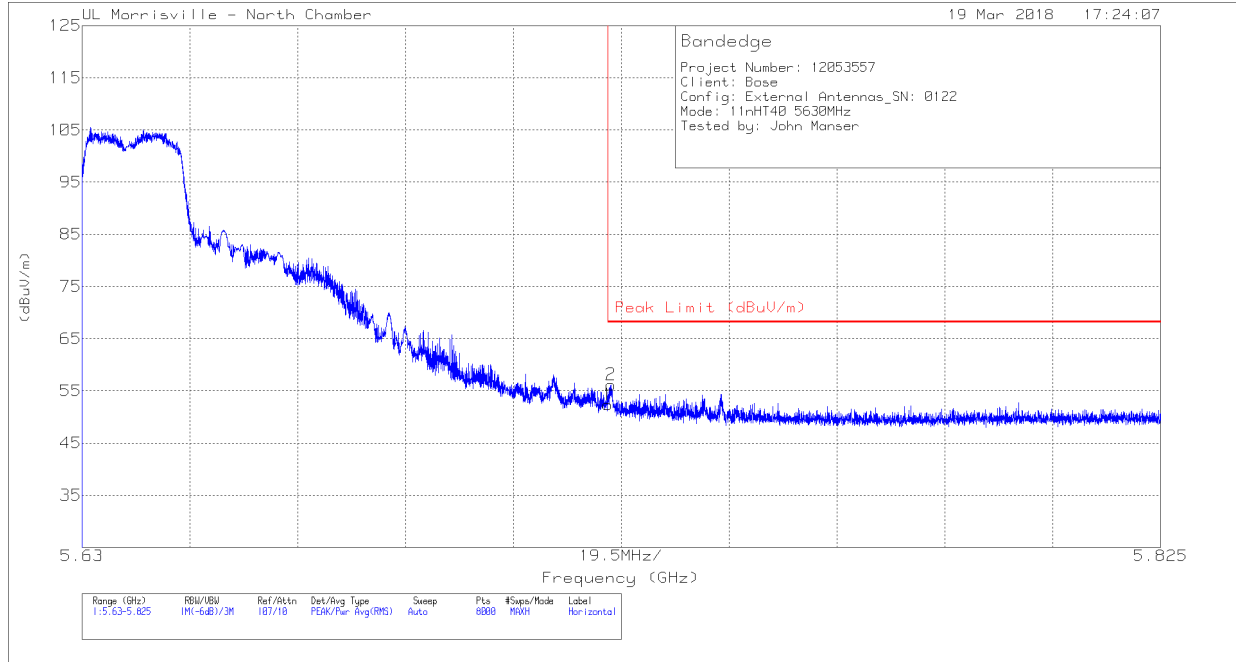
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (5630 MHz) HORIZONTAL MCS7 EXTERNAL ANTENNA**



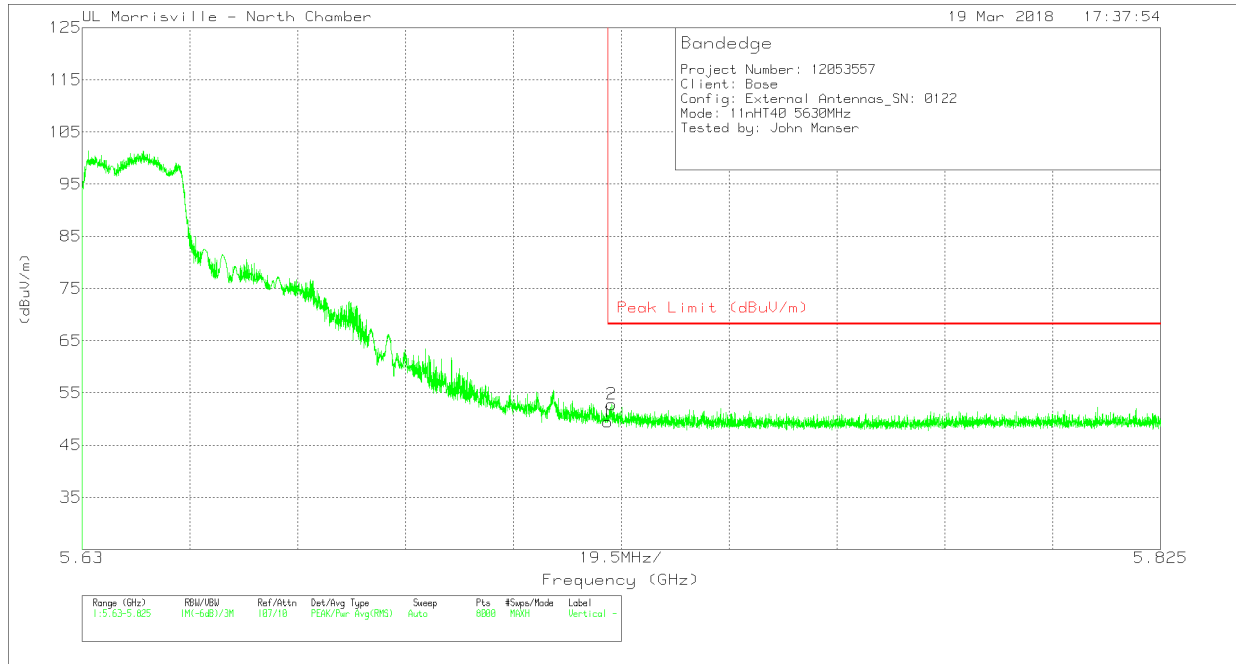
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.99	Pk	34.7	-22.3	0	52.39	68.2	-15.81	251	136	H
2	5.726	43.79	Pk	34.7	-22.3	0	56.19	68.2	-12.01	251	136	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (5630 MHz) VERTICAL MCS7 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	37.07	Pk	34.7	-22.3	0	49.47	68.2	-18.73	129	103	V
2	5.726	40.41	Pk	34.7	-22.3	0	52.81	68.2	-15.39	129	103	V

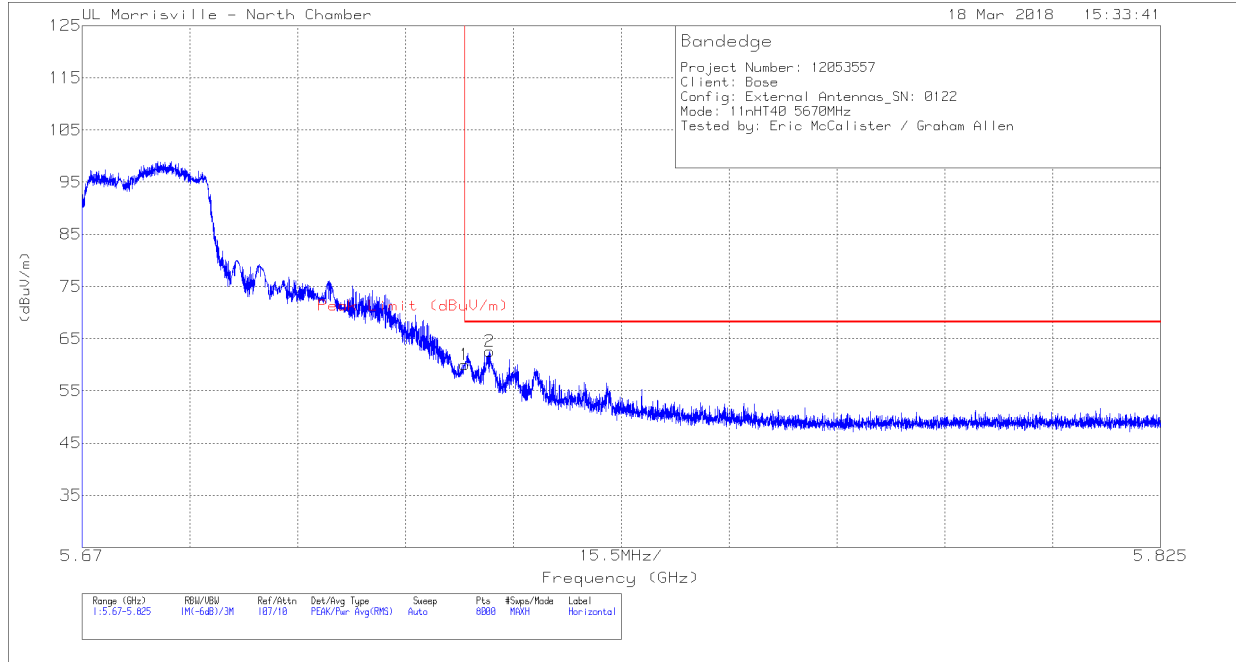
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector



**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS7 EXTERNAL ANTENNA**



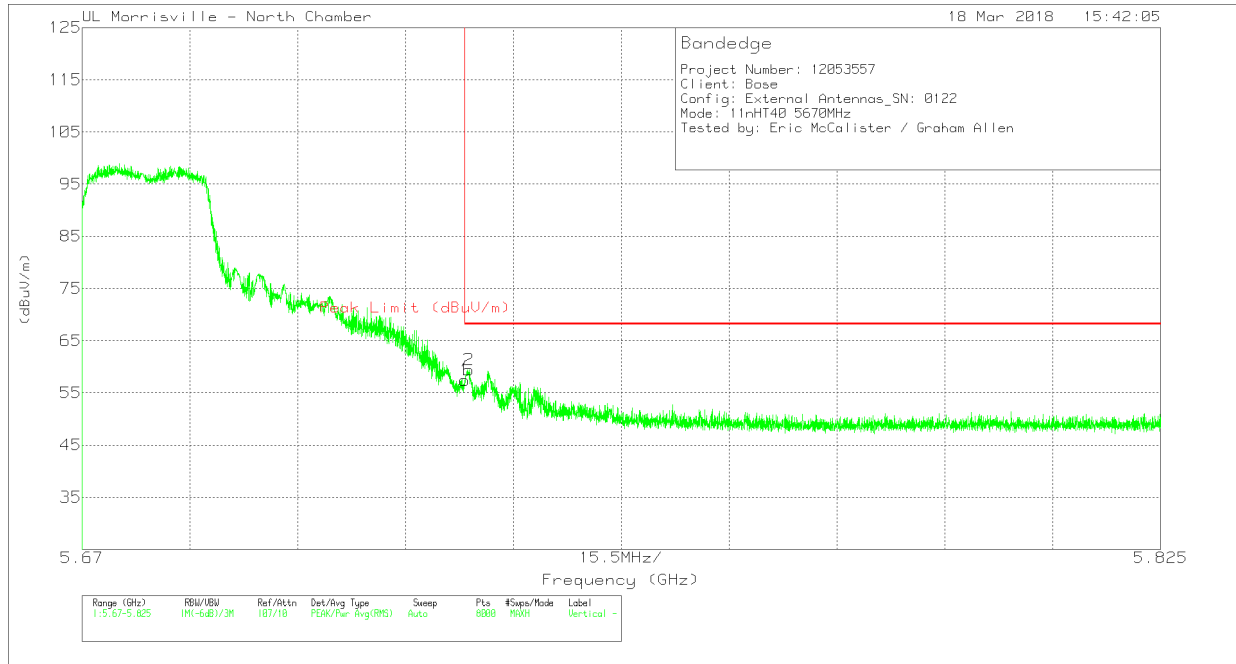
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	47.6	Pk	34.7	-22.3	0	60	68.2	-8.2	26	381	H
2	5.729	50.16	Pk	34.7	-22.3	0	62.56	68.2	-5.64	26	381	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS7 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	45.02	Pk	34.7	-22.3	0	57.42	68.2	-10.78	141	99	V
2	5.726	47.04	Pk	34.7	-22.3	0	59.44	68.2	-8.76	141	99	V

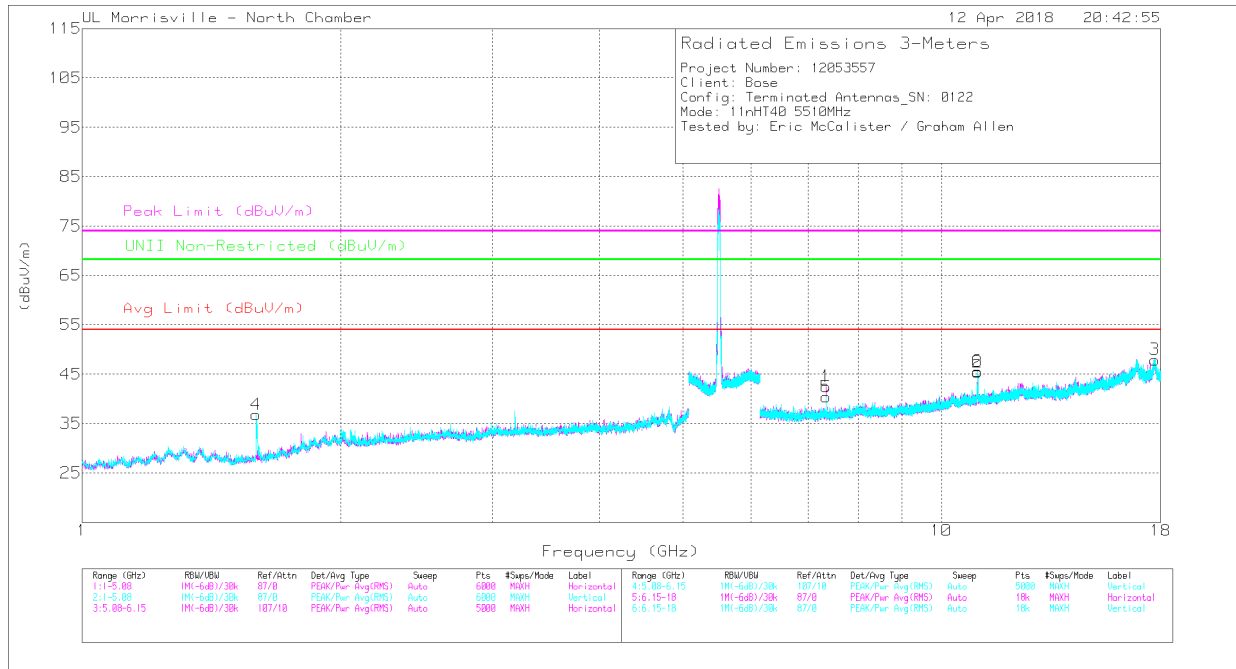
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

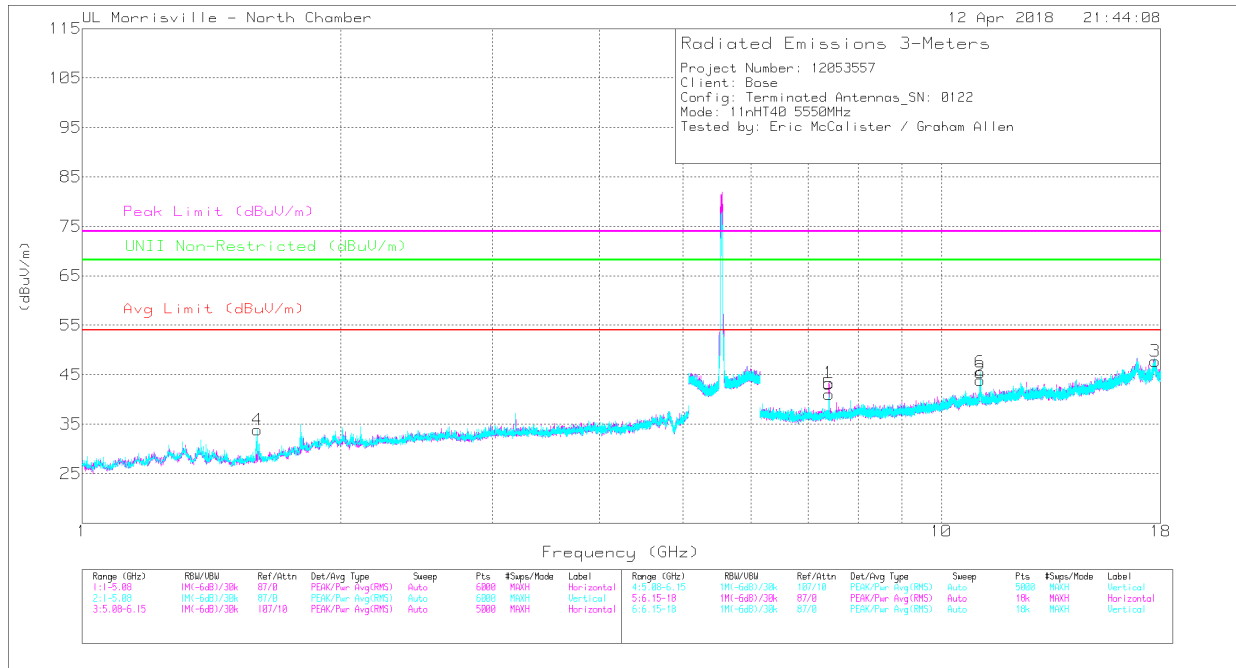
**LOW CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 7.346	42.02	PK-U	35.6	-29.8	0	47.82	-	-	74	-26.18	-	-	275	213	H
	*** 7.347	36.33	ADR	35.6	-29.8	2.52	44.65	54	-9.35	-	-	-	-	275	213	H
2	*** 11.019	40.44	PK-U	37.9	-26.1	0	52.24	-	-	74	-21.76	-	-	295	127	H
	*** 11.019	27.82	ADR	37.9	-26.1	2.52	42.14	54	-11.86	-	-	-	-	295	127	H
3	*** 17.726	33.87	PK-U	41.2	-21.1	0	53.97	-	-	74	-20.03	-	-	112	365	H
	*** 17.726	22.21	ADR	41.2	-21.1	2.52	44.83	54	-9.17	-	-	-	-	112	365	H
4	*** 1.596	58.49	PK-U	27.9	-35.9	0	50.49	-	-	74	-23.51	-	-	311	146	V
	*** 1.595	34.65	ADR	27.9	-35.9	2.52	29.17	54	-24.83	-	-	-	-	311	146	V
5	*** 7.347	40.05	PK-U	35.6	-29.8	0	45.85	-	-	74	-28.15	-	-	312	112	V
	*** 7.347	32.21	ADR	35.6	-29.8	2.52	40.53	54	-13.47	-	-	-	-	312	112	V
6	*** 11.013	40.1	PK-U	37.9	-26.1	0	51.9	-	-	74	-22.1	-	-	312	113	V
	*** 11.014	28.11	ADR	37.9	-26.1	2.52	42.43	54	-11.57	-	-	-	-	312	113	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

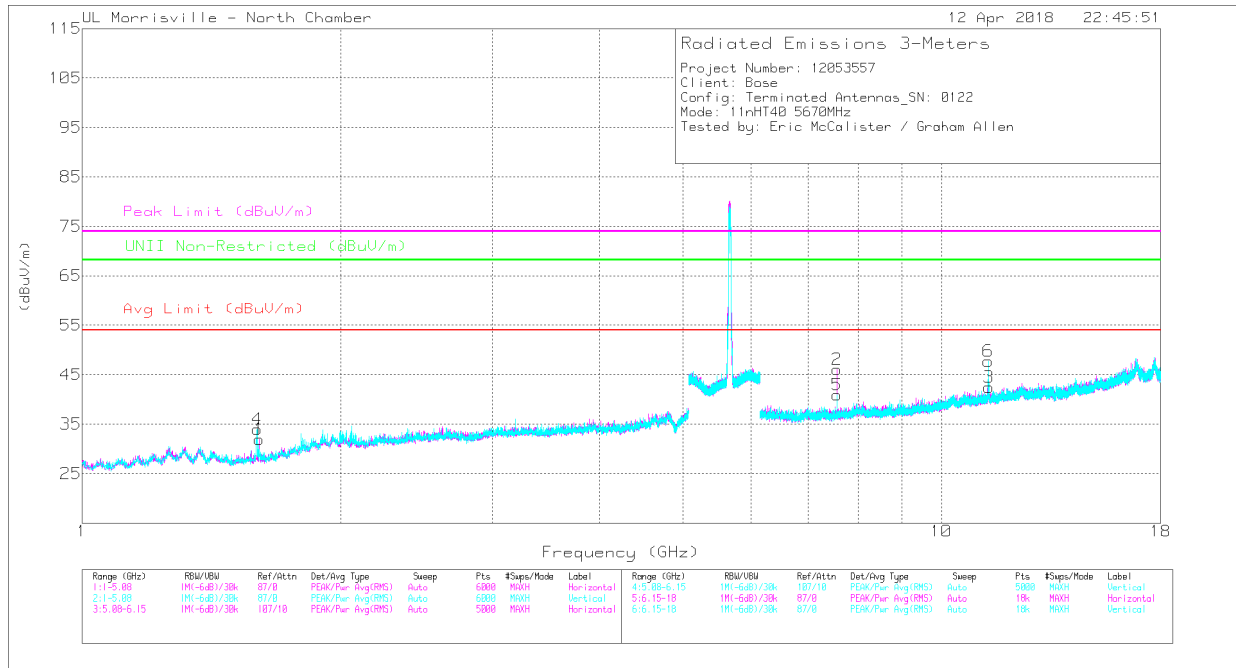
**MID CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	* ** 7.4	41.61	PK-U	35.6	-29.7	0	47.51	-	-	74	-26.49	-	-	271	206	H
	* ** 7.4	35.97	ADR	35.6	-29.7	2.52	44.39	54	-9.61	-	-	-	-	271	206	H
2	* ** 11.099	40.53	PK-U	37.9	-26.2	0	52.23	-	-	74	-21.77	-	-	295	133	H
	* ** 11.099	27.7	ADR	37.9	-26.2	2.52	41.92	54	-12.08	-	-	-	-	295	133	H
3	* ** 17.738	33.79	PK-U	41.2	-21	0	53.99	-	-	74	-20.01	-	-	288	252	H
	* ** 17.737	22.44	ADR	41.2	-21	2.52	45.16	54	-8.84	-	-	-	-	288	252	H
4	* ** 1.6	57.42	PK-U	28	-35.8	0	49.62	-	-	74	-24.38	-	-	319	108	V
	* ** 1.599	33.89	ADR	28	-35.9	2.52	28.51	54	-25.49	-	-	-	-	319	108	V
5	* ** 7.4	41.25	PK-U	35.6	-29.7	0	47.15	-	-	74	-26.85	-	-	305	330	V
	* ** 7.4	33.75	ADR	35.6	-29.7	2.52	42.17	54	-11.83	-	-	-	-	305	330	V
6	* ** 11.099	40.78	PK-U	37.9	-26.2	0	52.48	-	-	74	-21.52	-	-	320	112	V
	* ** 11.099	28.73	ADR	37.9	-26.2	2.52	42.95	54	-11.05	-	-	-	-	320	112	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

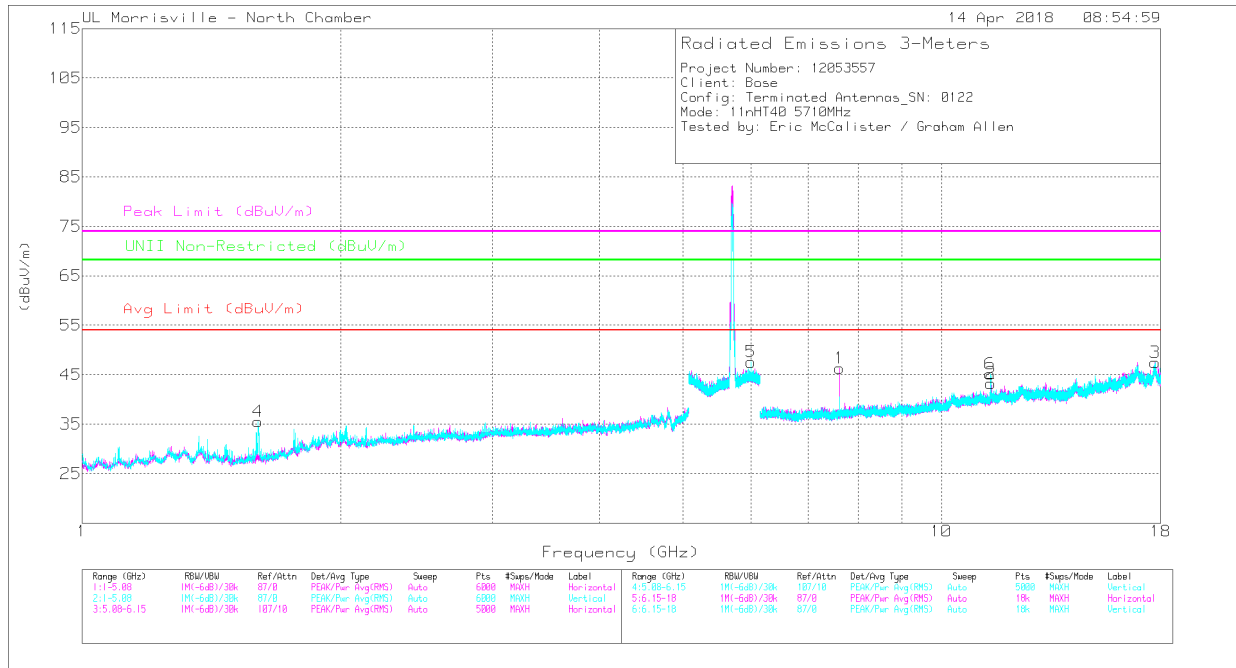
**HIGH CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	* ** 1.606	47.25	PK-U	28.1	-35.8	0	39.55	-	-	74	-34.45	-	-	270	118	H
	* ** 1.606	31.42	ADR	28.1	-35.8	2.52	26.24	54	-27.76	-	-	-	-	270	118	H
2	* ** 7.56	42.55	PK-U	35.7	-29.3	0	48.95	-	-	74	-25.05	-	-	269	217	H
	* ** 7.56	37.74	ADR	35.7	-29.3	2.52	46.66	54	-7.34	-	-	-	-	269	217	H
3	* ** 11.36	36.73	PK-U	38	-26.2	0	48.53	-	-	74	-25.47	-	-	346	103	H
	* ** 11.359	24.69	ADR	38	-26.2	2.52	39.01	54	-14.99	-	-	-	-	346	103	H
4	* ** 1.597	53.01	PK-U	28	-35.9	0	45.11	-	-	74	-28.89	-	-	319	185	V
	* ** 1.599	32.45	ADR	28	-35.9	2.52	27.07	54	-26.93	-	-	-	-	319	185	V
5	* ** 7.56	40.49	PK-U	35.7	-29.3	0	46.89	-	-	74	-27.11	-	-	305	311	V
	* ** 7.56	32.18	ADR	35.7	-29.3	2.52	41.1	54	-12.9	-	-	-	-	305	311	V
6	* ** 11.339	39.66	PK-U	38	-25.9	0	51.76	-	-	74	-22.24	-	-	333	286	V
	* ** 11.339	26.81	ADR	38	-25.9	2.52	41.43	54	-12.57	-	-	-	-	333	286	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

**STRADDLE CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 7.613	43.73	PK-U	35.7	-29.5	0	49.93	-	-	74	-24.07	-	-	277	221	H
	*** 7.613	39.87	ADR	35.7	-29.5	2.52	48.59	54	-5.41	-	-	-	-	277	221	H
2	*** 11.419	38.61	PK-U	38.1	-26.2	0	50.51	-	-	74	-23.49	-	-	312	113	H
	*** 11.419	26.56	ADR	38.1	-26.2	2.52	40.98	54	-13.02	-	-	-	-	312	113	H
3	*** 17.737	33.61	PK-U	41.2	-21	0	53.81	-	-	74	-20.19	-	-	322	352	H
	*** 17.736	22.45	ADR	41.2	-21	2.52	45.17	54	-8.83	-	-	-	-	322	352	H
4	*** 1.603	48.07	PK-U	28.1	-35.8	0	40.37	-	-	74	-33.63	-	-	200	326	V
	*** 1.604	31.65	ADR	28.1	-35.8	2.52	26.47	54	-27.53	-	-	-	-	200	326	V
6	*** 11.399	37.92	PK-U	38.1	-26.3	0	49.72	-	-	74	-24.28	-	-	333	111	V
	*** 11.399	25.36	ADR	38.1	-26.3	2.52	39.68	54	-14.32	-	-	-	-	333	111	V
5	6	39.56	PK-U	35.1	-21.9	0	52.76	-	-	-	-	68.2	-15.44	332	154	V

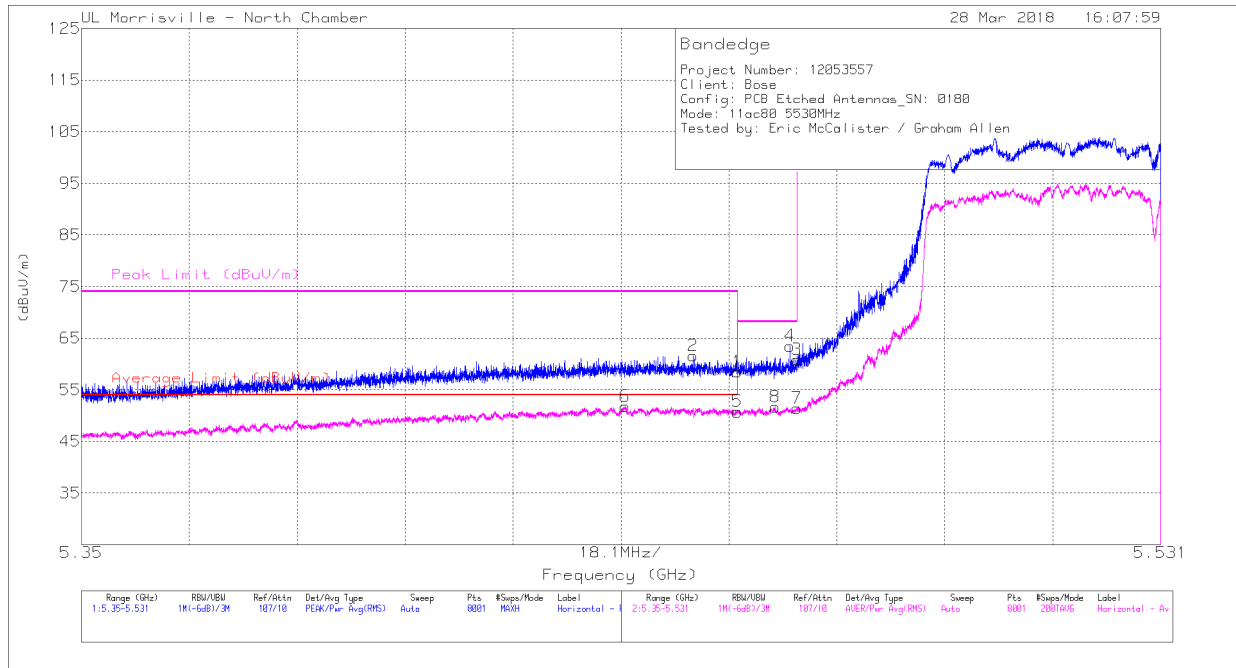
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**10.14. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.6 GHz BAND**  
**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	47.12	Pk	34.5	-23.1	0	58.52	-	-	74	-15.48	275	260	H
2	*** 5.453	50.2	Pk	34.5	-23.1	0	61.6	-	-	74	-12.4	275	260	H
5	*** 5.46	35.71	RMS	34.5	-23.1	3.62	50.73	54	-3.27	-	-	275	260	H
6	*** 5.441	36.81	RMS	34.4	-23	3.62	51.83	54	-2.17	-	-	275	260	H
8	5.466	36.67	RMS	34.5	-23.1	3.62	51.69	-	-	-	-	275	260	H
4	5.469	52.01	Pk	34.5	-23	0	63.51	-	-	68.2	-4.69	275	260	H
3	5.47	49.31	Pk	34.5	-23	0	60.81	-	-	68.2	-7.39	275	260	H
7	5.47	36.26	RMS	34.5	-23	3.62	51.38	-	-	-	-	275	260	H

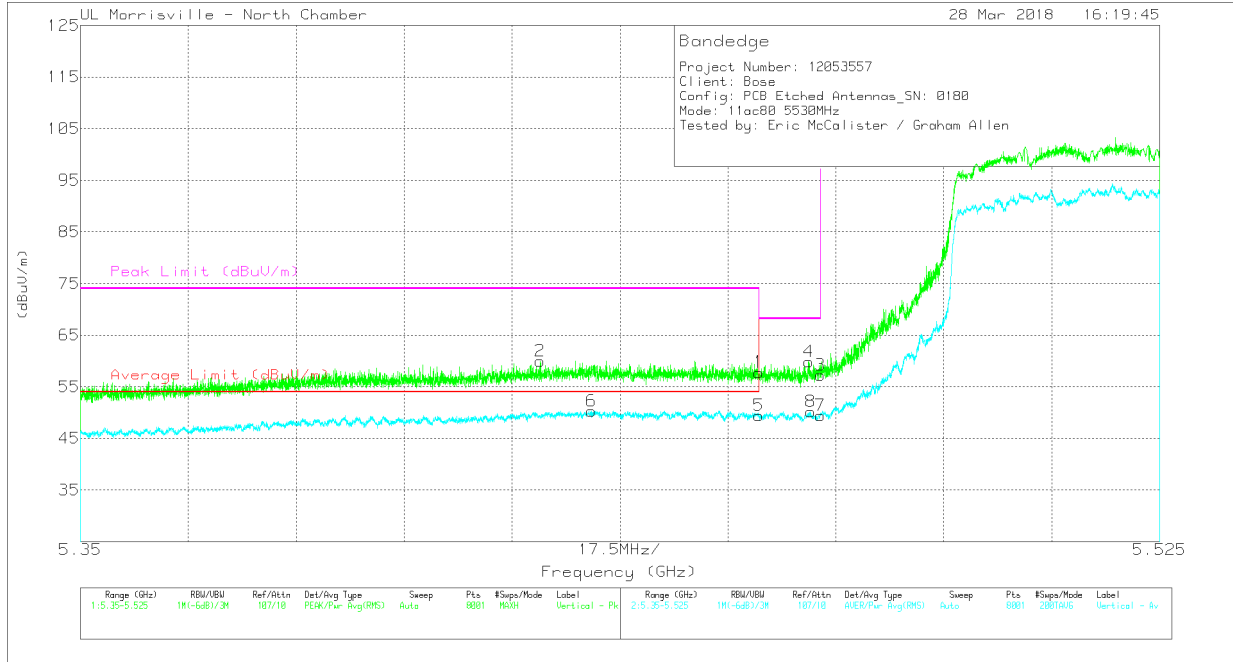
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL MCS0 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	46.4	Pk	34.5	-23.1	0	57.8	-	-	74	-16.2	158	122	V
2	*** 5.425	48.64	Pk	34.4	-23.1	0	59.94	-	-	74	-14.06	158	122	V
5	*** 5.46	34.36	RMS	34.5	-23.1	3.62	49.38	54	-4.62	-	-	158	122	V
6	*** 5.433	35.39	RMS	34.4	-23.1	3.62	50.31	54	-3.69	-	-	158	122	V
4	5.468	48.48	Pk	34.5	-23.1	0	59.88	-	-	68.2	-8.32	158	122	V
8	5.468	35.14	RMS	34.5	-23.1	3.62	50.16	-	-	-	-	158	122	V
3	5.47	45.7	Pk	34.5	-23	0	57.2	-	-	68.2	-11	158	122	V
7	5.47	34.35	RMS	34.5	-23	3.62	49.47	-	-	-	-	158	122	V

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

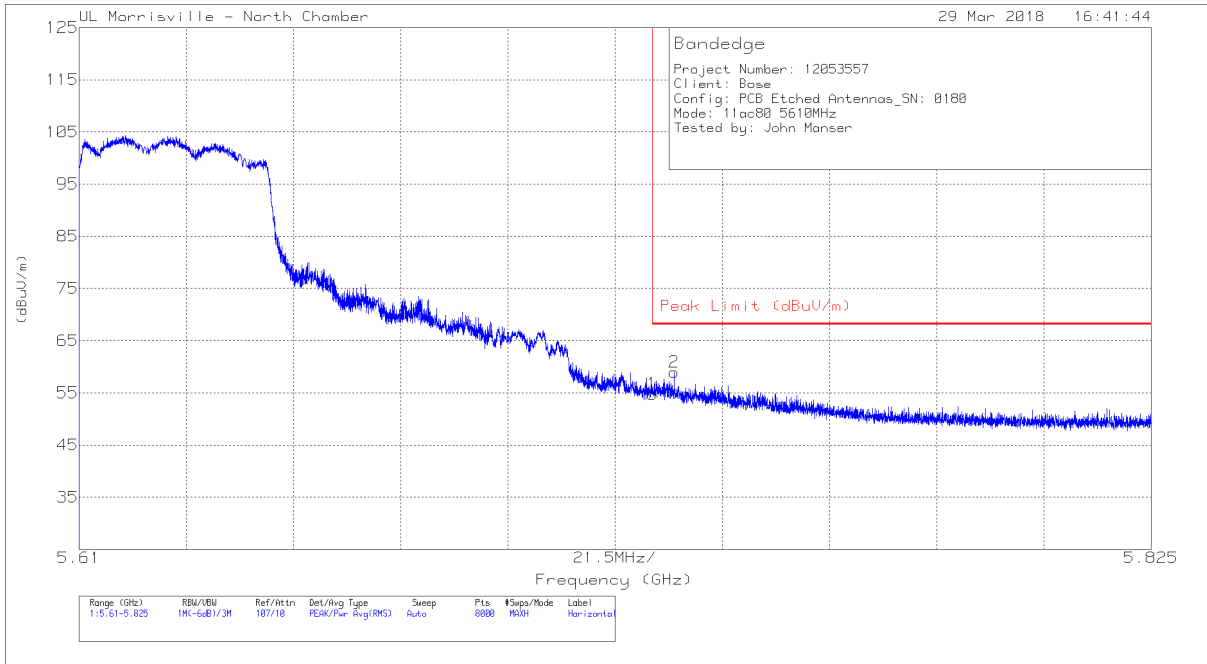
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection



**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS0 PCB ANTENNA**



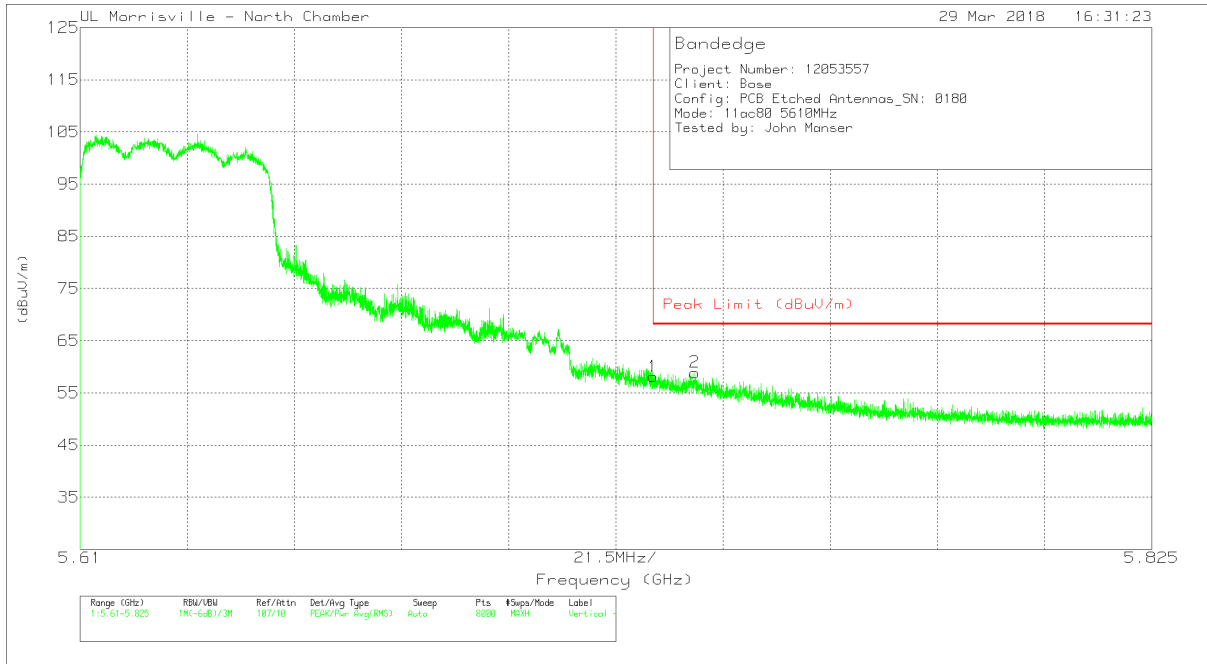
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.11	Pk	34.7	-23	0	54.81	68.2	-13.39	182	102	H
2	5.729	47.28	Pk	34.7	-23	0	58.98	68.2	-9.22	182	102	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS0 PCB ANTENNA**



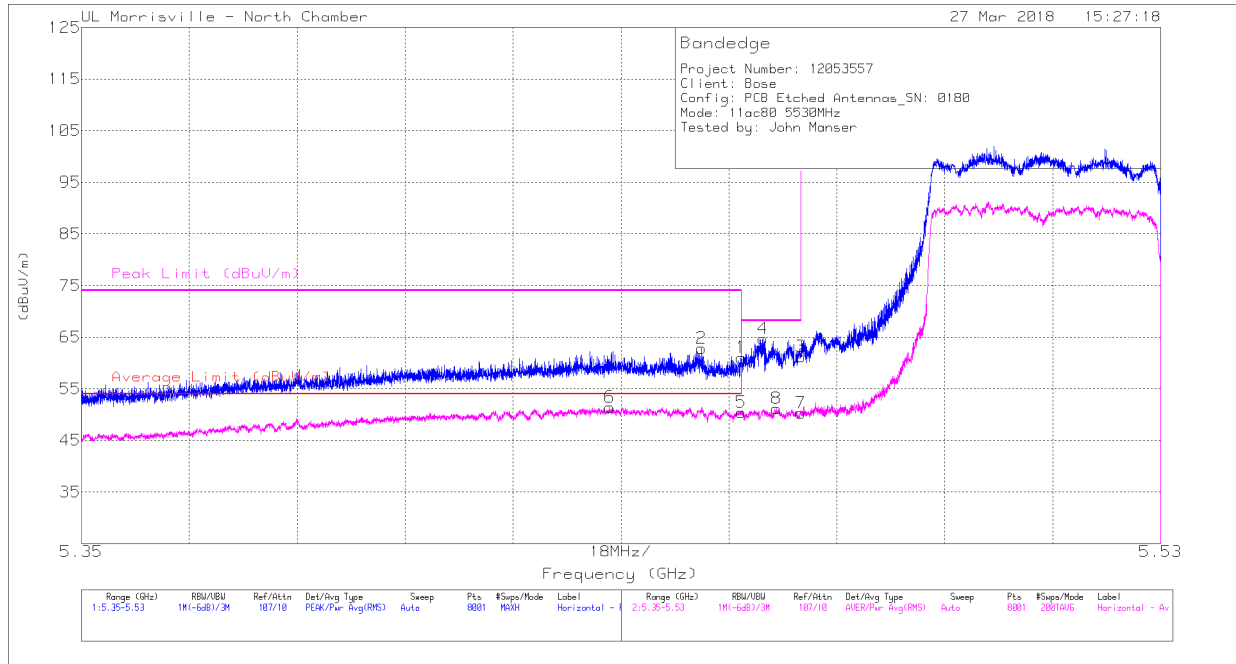
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	46.43	Pk	34.7	-23	0	58.13	68.2	-10.07	244	106	V
2	5.733	47.21	Pk	34.7	-23	0	58.91	68.2	-9.29	244	106	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL MCS9 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	49.63	Pk	34.5	-23.1	0	61.03	-	-	74	-12.97	274	262	H
2	*** 5.453	51.41	Pk	34.5	-23.1	0	62.81	-	-	74	-11.19	274	262	H
5	*** 5.46	35.42	RMS	34.5	-23.1	3.62	50.44	54	-3.56	-	-	274	262	H
6	*** 5.438	36.43	RMS	34.4	-23	3.62	51.45	54	-2.55	-	-	274	262	H
4	5.464	53.31	Pk	34.5	-23.1	0	64.71	-	-	68.2	-3.49	274	262	H
8	5.466	36.17	RMS	34.5	-23.1	3.62	51.19	-	-	-	-	274	262	H
3	5.47	49.72	Pk	34.5	-23	0	61.22	-	-	68.2	-6.98	274	262	H
7	5.47	35.22	RMS	34.5	-23	3.62	50.34	-	-	-	-	274	262	H

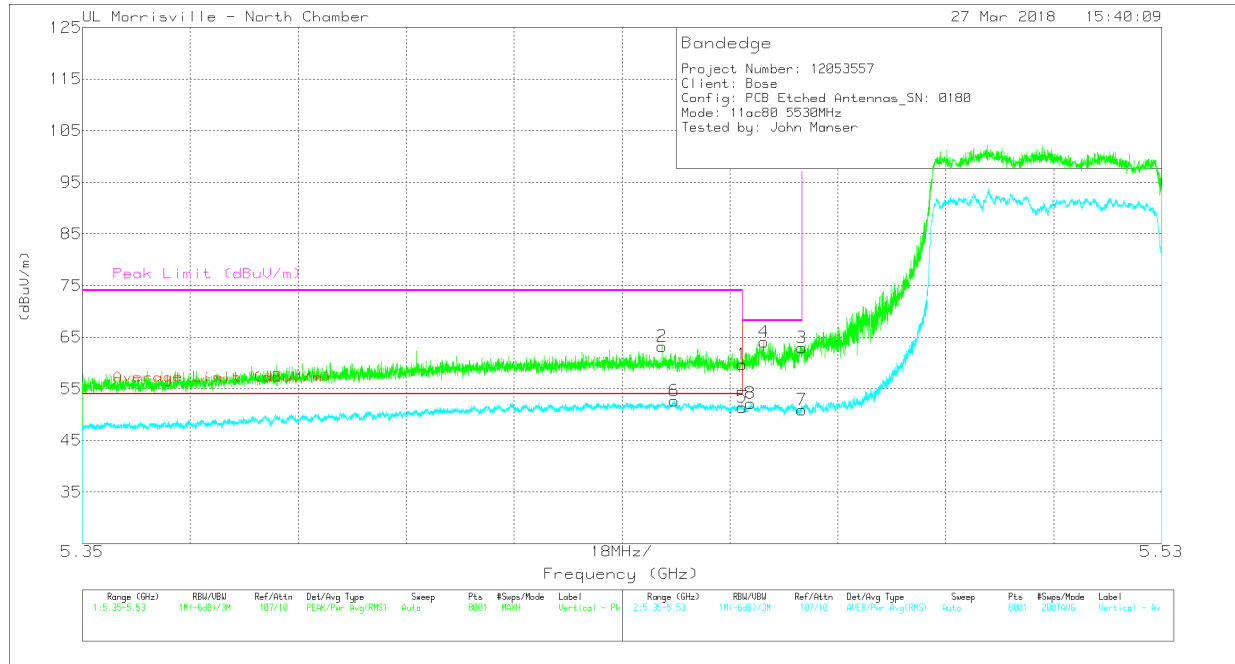
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL MCS9 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	48.38	Pk	34.5	-23.1	0	59.78	-	-	74	-14.22	56	168	V
2	*** 5.447	51.92	Pk	34.4	-23.1	0	63.22	-	-	74	-10.78	56	168	V
5	*** 5.46	36.34	RMS	34.5	-23.1	3.62	51.36	54	-2.64	-	-	56	168	V
6	*** 5.449	37.72	RMS	34.4	-23.1	3.62	52.64	54	-1.36	-	-	56	168	V
8	5.461	37.18	RMS	34.5	-23.1	3.62	52.2	-	-	-	-	56	168	V
4	5.464	52.72	Pk	34.5	-23.1	0	64.12	-	-	68.2	-4.08	56	168	V
3	5.47	51.4	Pk	34.5	-23	0	62.9	-	-	68.2	-5.3	56	168	V
7	5.47	35.81	RMS	34.5	-23	3.62	50.93	-	-	-	-	56	168	V

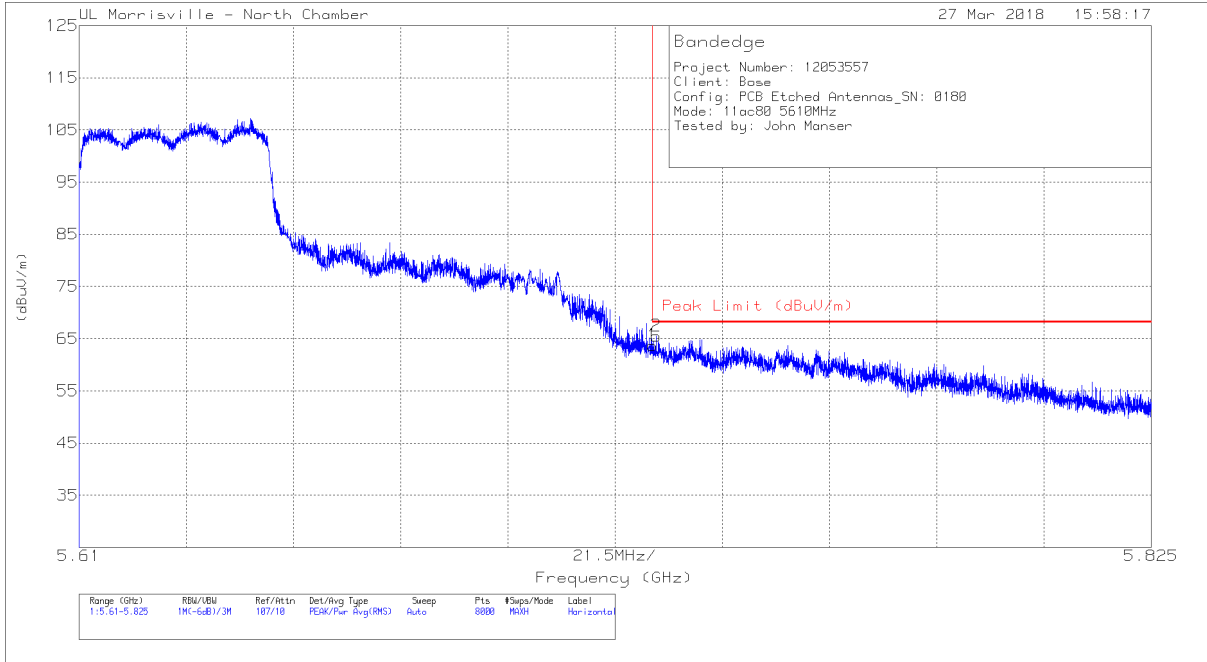
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

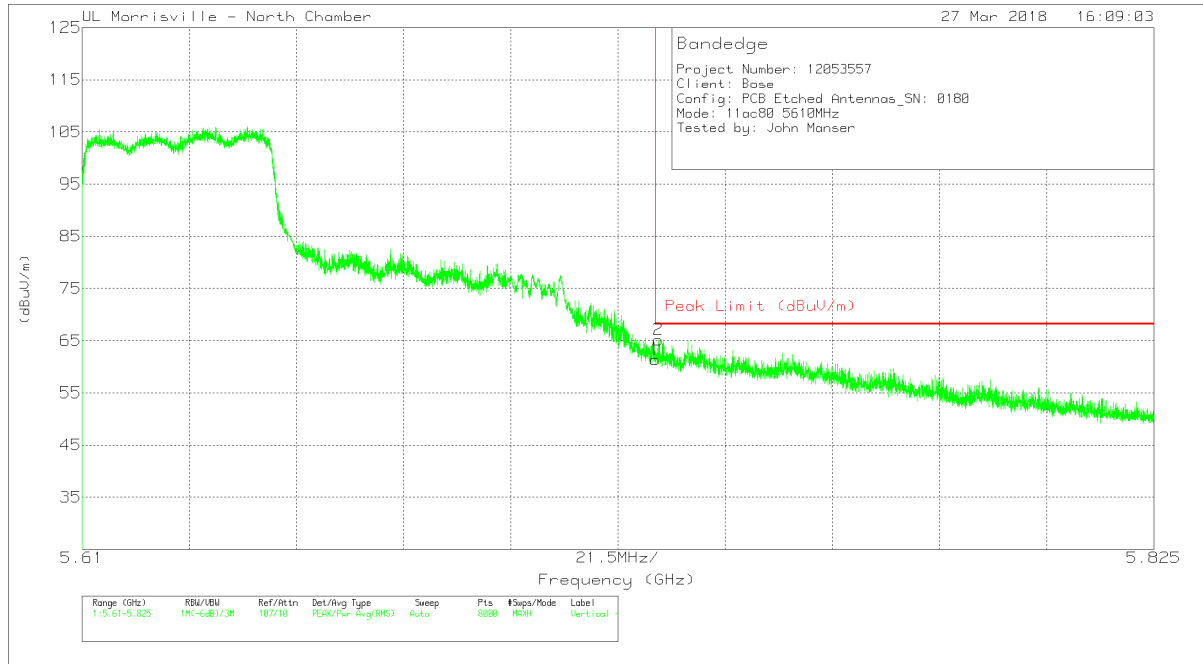
**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS9 PCB ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	52.02	Pk	34.7	-23	0	63.72	68.2	-4.48	270	235	H
2	5.726	53.84	Pk	34.7	-23	0	65.54	68.2	-2.66	270	235	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS9 PCB ANTENNA**



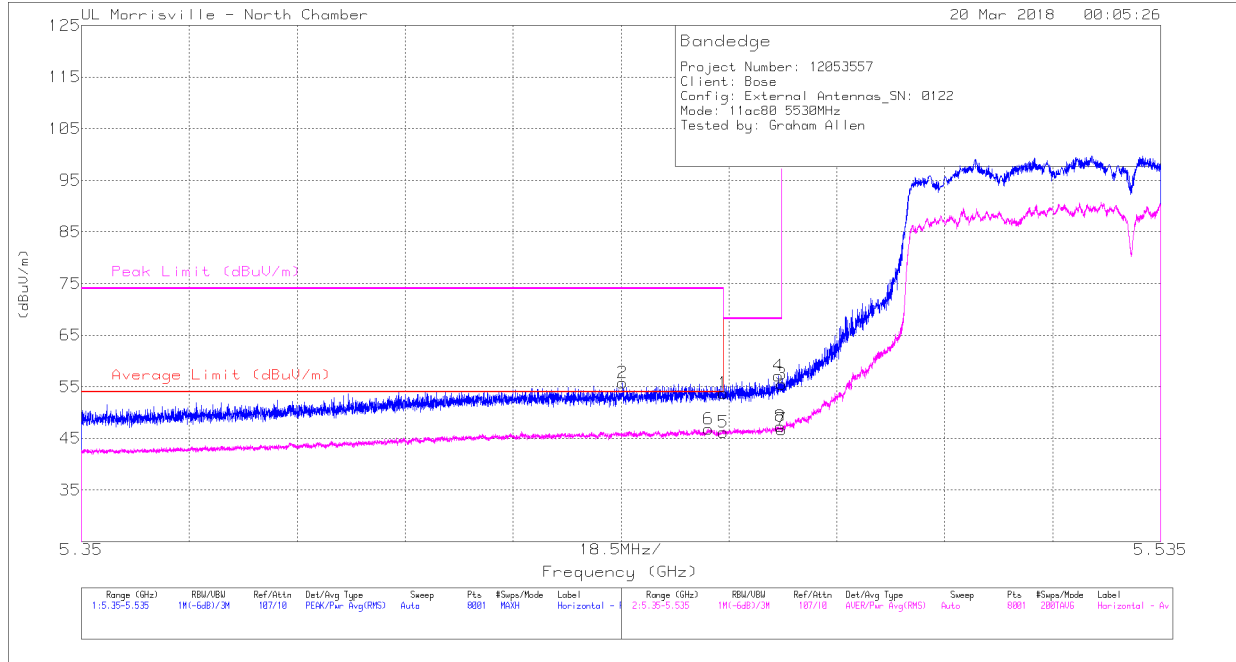
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	49.73	Pk	34.7	-23	0	61.43	68.2	-6.77	183	200	V
2	5.726	53.49	Pk	34.7	-23	0	65.19	68.2	-3.01	183	200	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL MCS0 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	41.72	Pk	34.5	-22.5	0	53.72	-	-	74	-20.28	225	238	H
2	*** 5.443	43.74	Pk	34.4	-22.4	0	55.74	-	-	74	-18.26	225	238	H
5	*** 5.46	30.58	RMS	34.5	-22.5	3.62	46.2	54	-7.8	-	-	225	238	H
6	*** 5.458	31.16	RMS	34.5	-22.5	3.62	46.78	54	-7.22	-	-	225	238	H
3	5.47	43.49	Pk	34.5	-22.5	0	55.49	-	-	68.2	-12.71	225	238	H
4	5.47	45.14	Pk	34.5	-22.5	0	57.14	-	-	68.2	-11.06	225	238	H
7	5.47	31.13	RMS	34.5	-22.5	3.62	46.75	-	-	-	-	225	238	H
8	5.47	31.7	RMS	34.5	-22.5	3.62	47.32	-	-	-	-	225	238	H

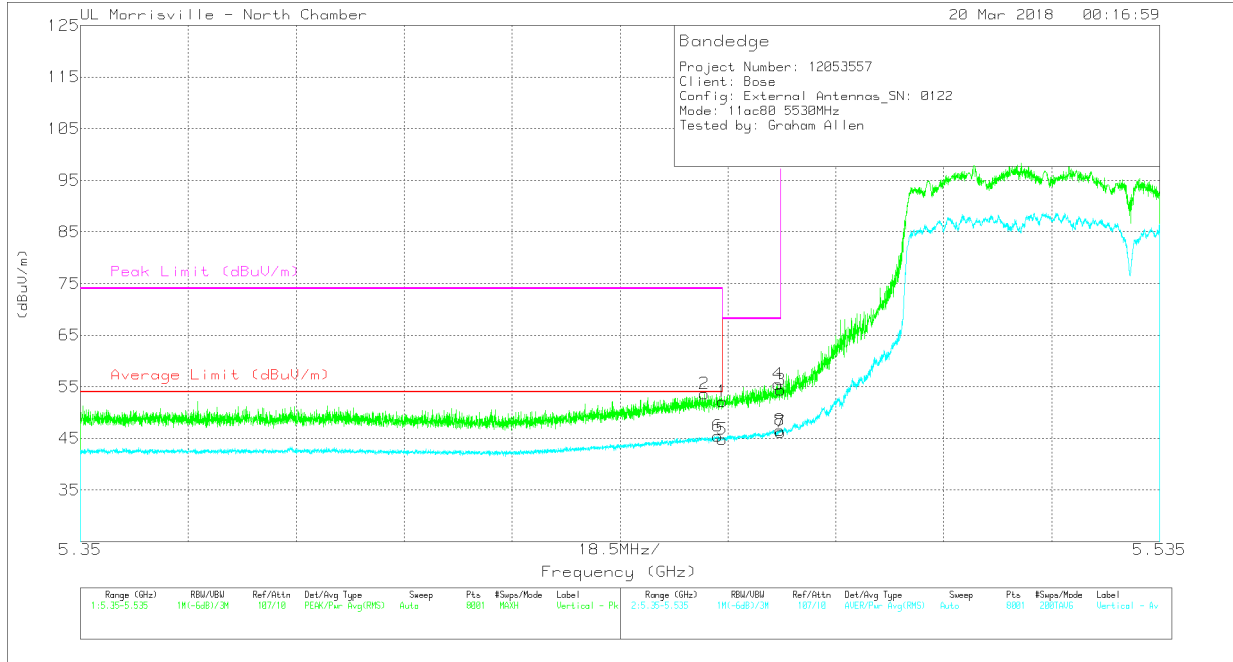
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL MCS0 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	40.19	Pk	34.5	-22.5	0	52.19	-	-	74	-21.81	332	402	V
2	*** 5.457	41.65	Pk	34.5	-22.5	0	53.65	-	-	74	-20.35	332	402	V
5	*** 5.46	29.22	RMS	34.5	-22.5	3.62	44.84	54	-9.16	-	-	332	402	V
6	*** 5.459	29.88	RMS	34.5	-22.5	3.62	45.5	54	-8.5	-	-	332	402	V
3	5.47	42.35	Pk	34.5	-22.5	0	54.35	-	-	68.2	-13.85	332	402	V
4	5.47	43.46	Pk	34.5	-22.5	0	55.46	-	-	68.2	-12.74	332	402	V
7	5.47	30.59	RMS	34.5	-22.5	3.62	46.21	-	-	-	-	332	402	V
8	5.47	30.96	RMS	34.5	-22.5	3.62	46.58	-	-	-	-	332	402	V

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

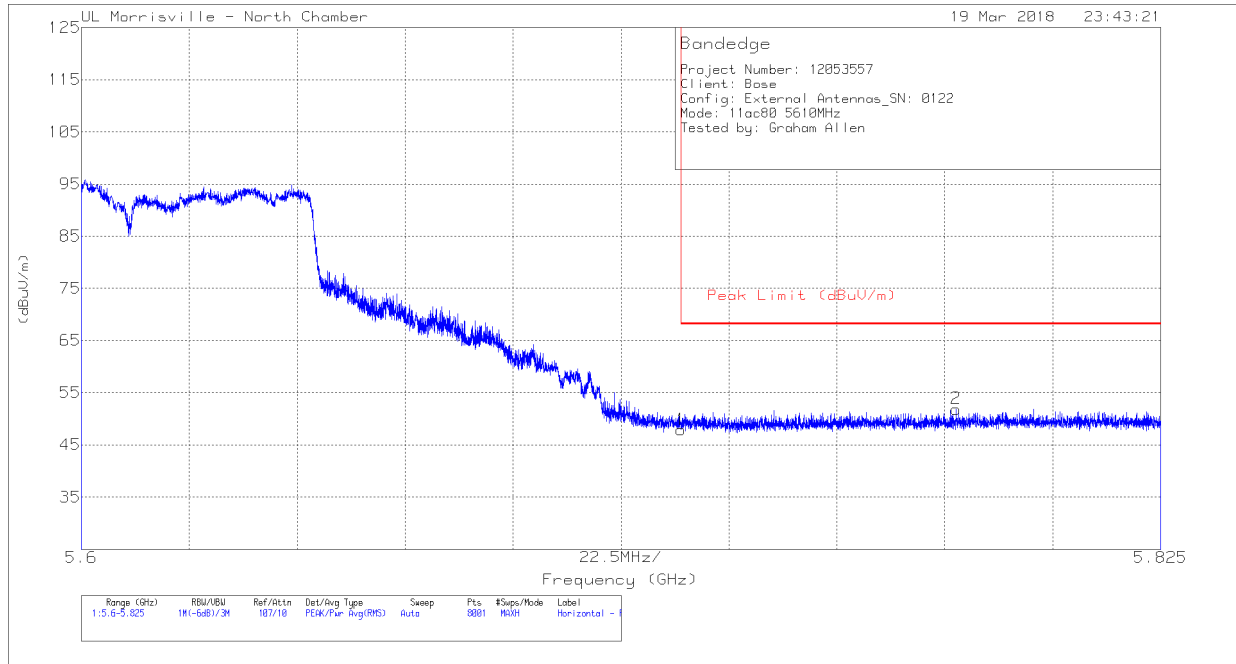
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection



**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS0 EXTERNAL ANTENNA**



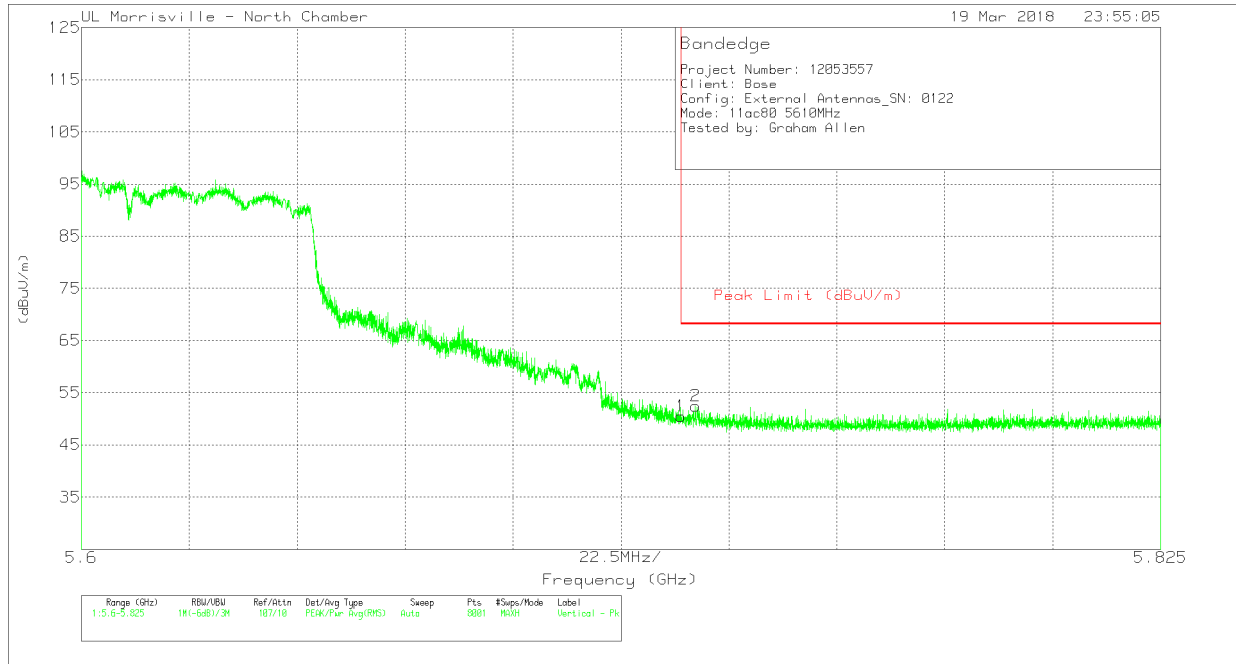
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	35.49	Pk	34.7	-22.3	0	47.89	68.2	-20.31	20	390	H
2	5.782	39.4	Pk	34.8	-22.3	0	51.9	68.2	-16.3	20	390	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS0 EXTERNAL ANTENNA**



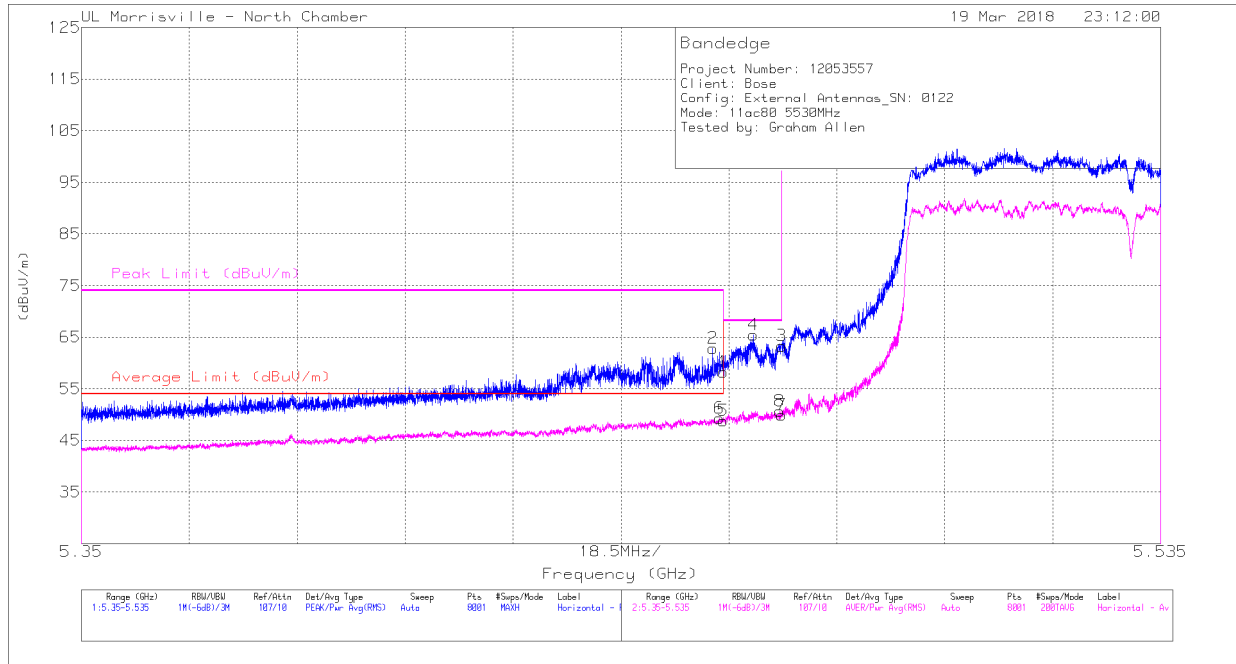
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.11	Pk	34.7	-22.3	0	50.51	68.2	-17.69	179	387	V
2	5.728	40.07	Pk	34.7	-22.3	0	52.47	68.2	-15.73	179	387	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL MCS9 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	46.19	Pk	34.5	-22.5	0	58.19	-	-	74	-15.81	36	268	H
2	*** 5.458	50.79	Pk	34.5	-22.5	0	62.79	-	-	74	-11.21	36	268	H
5	*** 5.46	33.22	RMS	34.5	-22.5	3.62	48.84	54	-5.16	-	-	36	268	H
6	*** 5.459	33.73	RMS	34.5	-22.5	3.62	49.35	54	-4.65	-	-	36	268	H
4	5.465	53.41	Pk	34.5	-22.5	0	65.41	-	-	68.2	-2.79	36	268	H
3	5.47	51.27	Pk	34.5	-22.5	0	63.27	-	-	68.2	-4.93	36	268	H
7	5.47	34.26	RMS	34.5	-22.5	3.62	49.88	-	-	-	-	36	268	H
8	5.47	35.1	RMS	34.5	-22.5	3.62	50.72	-	-	-	-	36	268	H

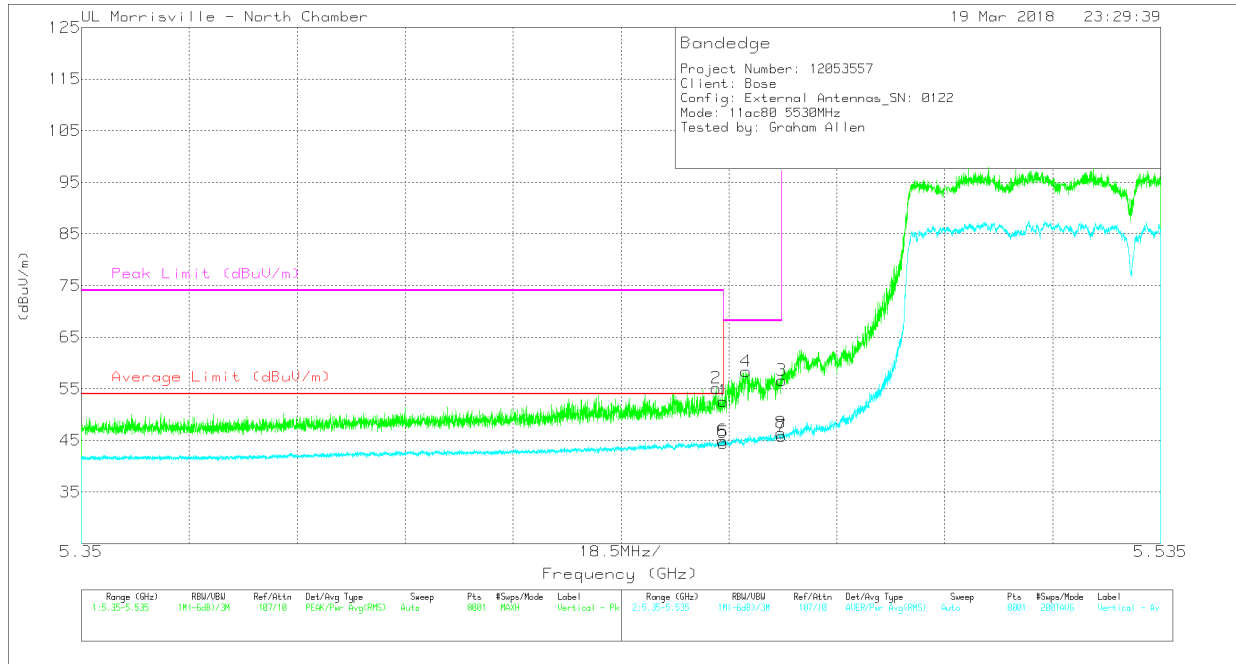
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL MCS9 EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	40.59	Pk	34.5	-22.5	0	52.59	-	-	74	-21.41	322	288	V
2	*** 5.459	43.16	Pk	34.5	-22.5	0	55.16	-	-	74	-18.84	322	288	V
5	*** 5.46	28.9	RMS	34.5	-22.5	3.62	44.52	54	-9.48	-	-	322	288	V
6	*** 5.46	29.31	RMS	34.5	-22.5	3.62	44.93	54	-9.07	-	-	322	288	V
4	5.464	46.43	Pk	34.5	-22.6	0	58.33	-	-	68.2	-9.87	322	288	V
3	5.47	44.58	Pk	34.5	-22.5	0	56.58	-	-	68.2	-11.62	322	288	V
7	5.47	30.23	RMS	34.5	-22.5	3.62	45.85	-	-	-	-	322	288	V
8	5.47	30.79	RMS	34.5	-22.5	3.62	46.41	-	-	-	-	322	288	V

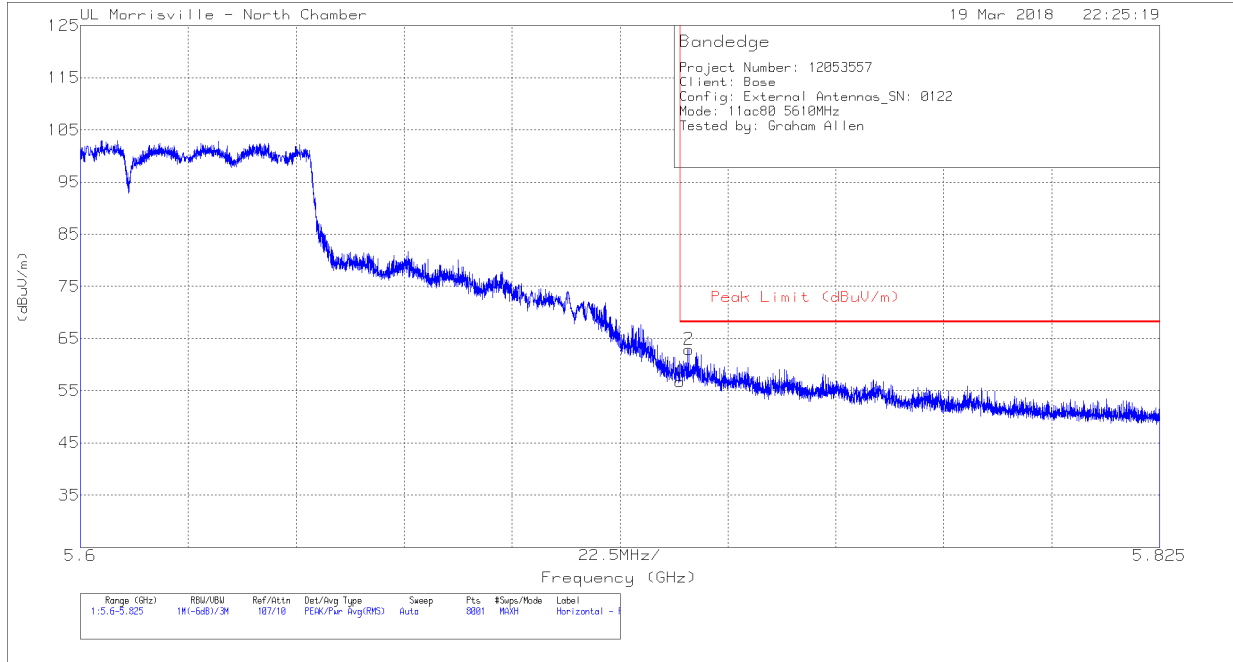
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL MCS9 EXTERNAL ANTENNA**



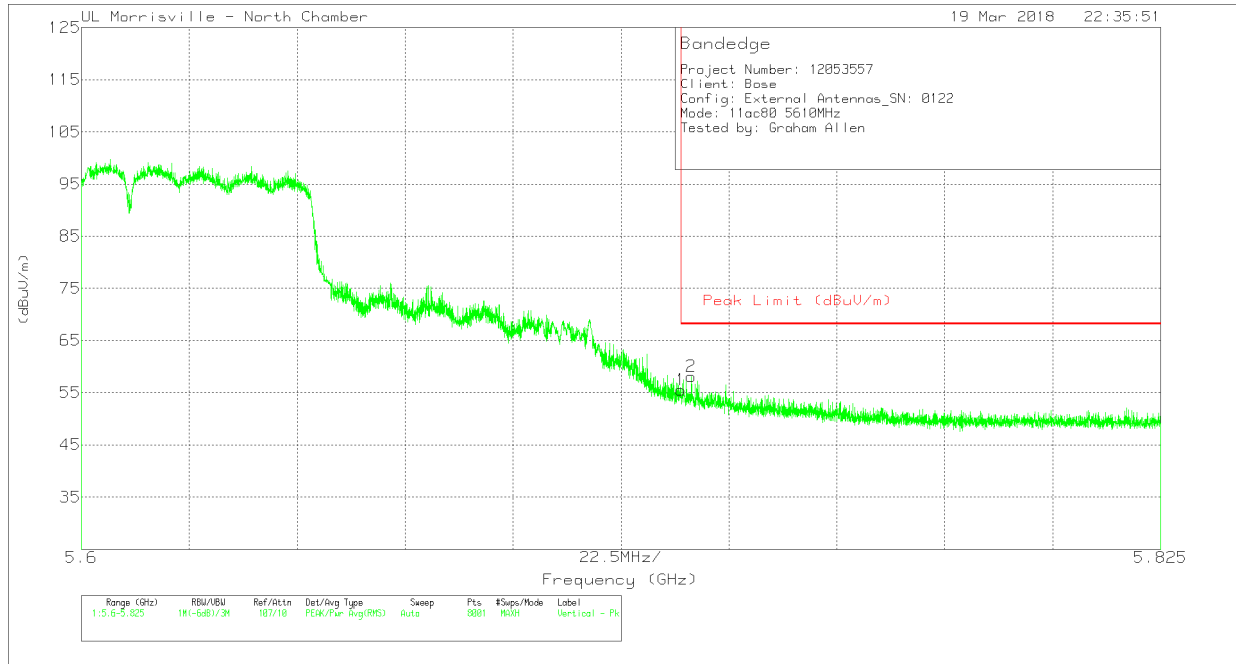
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.34	Pk	34.7	-22.3	0	56.74	68.2	-11.46	64	282	H
2	5.727	50.55	Pk	34.7	-22.3	0	62.95	68.2	-5.25	64	282	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL MCS9 EXTERNAL ANTENNA**



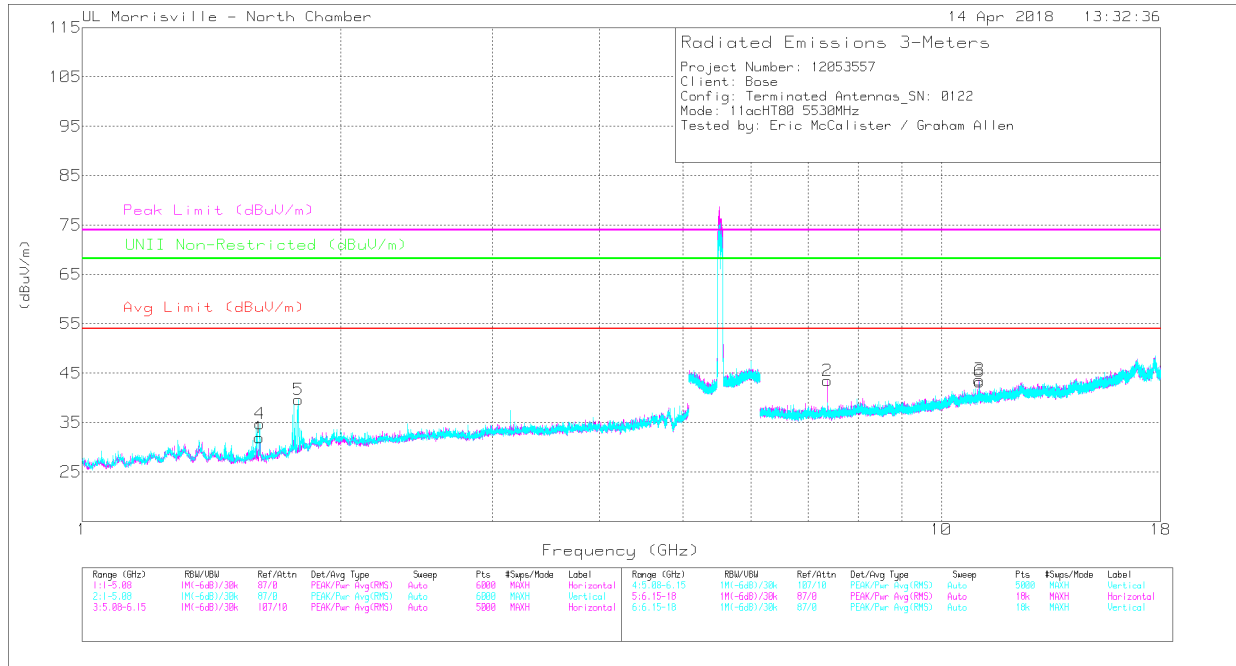
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.07	Pk	34.7	-22.3	0	55.47	68.2	-12.73	128	294	V
2	5.727	45.67	Pk	34.7	-22.3	0	58.07	68.2	-10.13	128	294	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

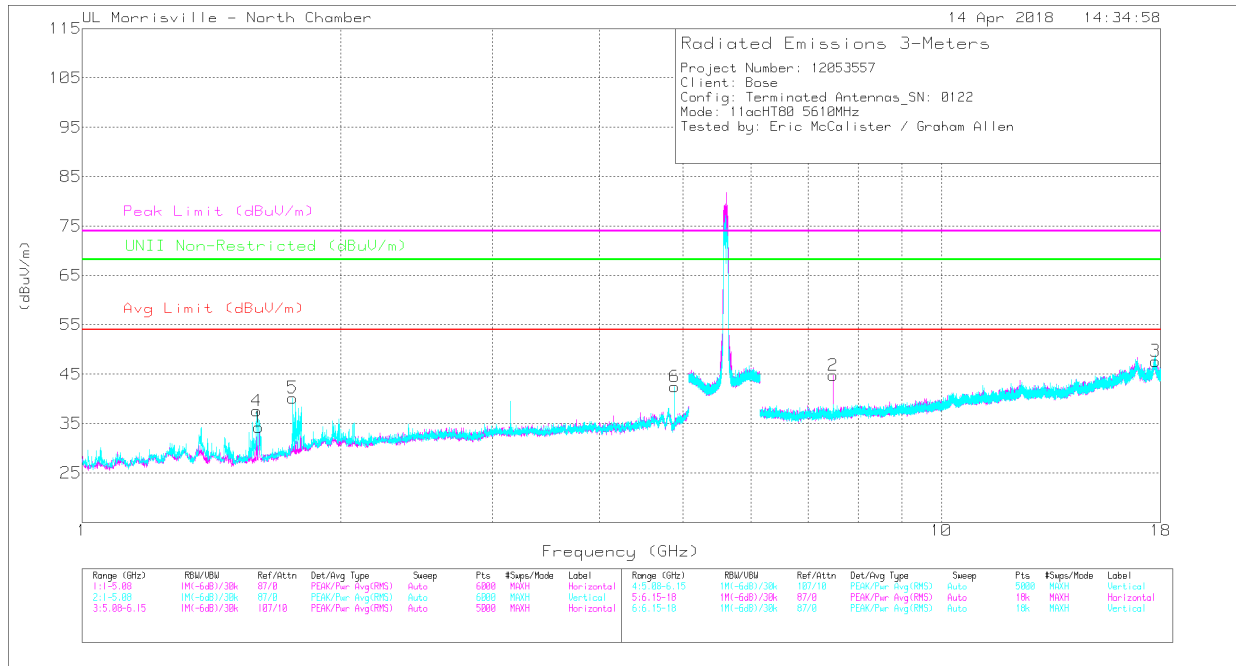
**HARMONICS AND SPURIOUS EMISSIONS**  
**LOW CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 1.608	48.11	PK-U	28.1	-35.8	0	40.41	-	-	74	-33.59	-	-	243	296	H
	*** 1.607	34.82	ADR	28.1	-35.8	3.62	30.74	54	-23.26	-	-	-	-	243	296	H
4	*** 1.608	51.02	PK-U	28.1	-35.8	0	43.32	-	-	74	-30.68	-	-	249	175	V
	*** 1.608	38.75	ADR	28.1	-35.8	3.62	34.67	54	-19.33	-	-	-	-	249	175	V
2	*** 7.373	43.26	PK-U	35.6	-29.8	0	49.06	-	-	74	-24.94	-	-	272	217	H
	*** 7.373	38.22	ADR	35.6	-29.8	3.62	47.64	54	-6.36	-	-	-	-	272	217	H
3	*** 11.069	36.98	PK-U	37.9	-26.1	0	48.78	-	-	74	-25.22	-	-	299	103	H
	*** 11.069	24.94	ADR	37.9	-26.1	3.62	40.36	54	-13.64	-	-	-	-	299	103	H
6	*** 11.079	36.69	PK-U	37.9	-26.3	0	48.29	-	-	74	-25.71	-	-	316	109	V
	*** 11.079	24.51	ADR	37.9	-26.3	3.62	39.73	54	-14.27	-	-	-	-	316	109	V
5	1.781	54.31	PK-U	29.9	-35.9	0	48.31	-	-	-	-	68.2	-19.89	295	111	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

**HIGH CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	*** 1.607	48.34	PK-U	28.1	-35.8	0	40.64	-	-	74	-33.36	-	-	262	117	H
	*** 1.605	32.72	ADR	28.1	-35.8	3.62	28.64	54	-25.36	-	-	-	-	262	117	H
4	*** 1.598	59.62	PK-U	28	-35.9	0	51.72	-	-	74	-22.28	-	-	318	149	V
	*** 1.598	34.92	ADR	28	-35.9	3.62	30.64	54	-23.36	-	-	-	-	318	149	V
6	*** 4.897	39.57	PK-U	34	-31.9	0	41.67	-	-	74	-32.33	-	-	235	297	V
	*** 4.896	28.38	ADR	34	-31.9	3.62	34.1	54	-19.9	-	-	-	-	235	297	V
2	*** 7.48	44.22	PK-U	35.6	-29.5	0	50.32	-	-	74	-23.68	-	-	275	222	H
	*** 7.48	39.36	ADR	35.6	-29.5	3.62	49.08	54	-4.92	-	-	-	-	275	222	H
3	*** 17.737	34.59	PK-U	41.2	-21	0	54.79	-	-	74	-19.21	-	-	230	220	H
	*** 17.738	22.54	ADR	41.2	-21	3.62	46.36	54	-7.64	-	-	-	-	230	220	H
5	1.759	51.84	PK-U	29.5	-35.8	0	45.54	-	-	-	-	68.2	-22.66	45	318	V

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

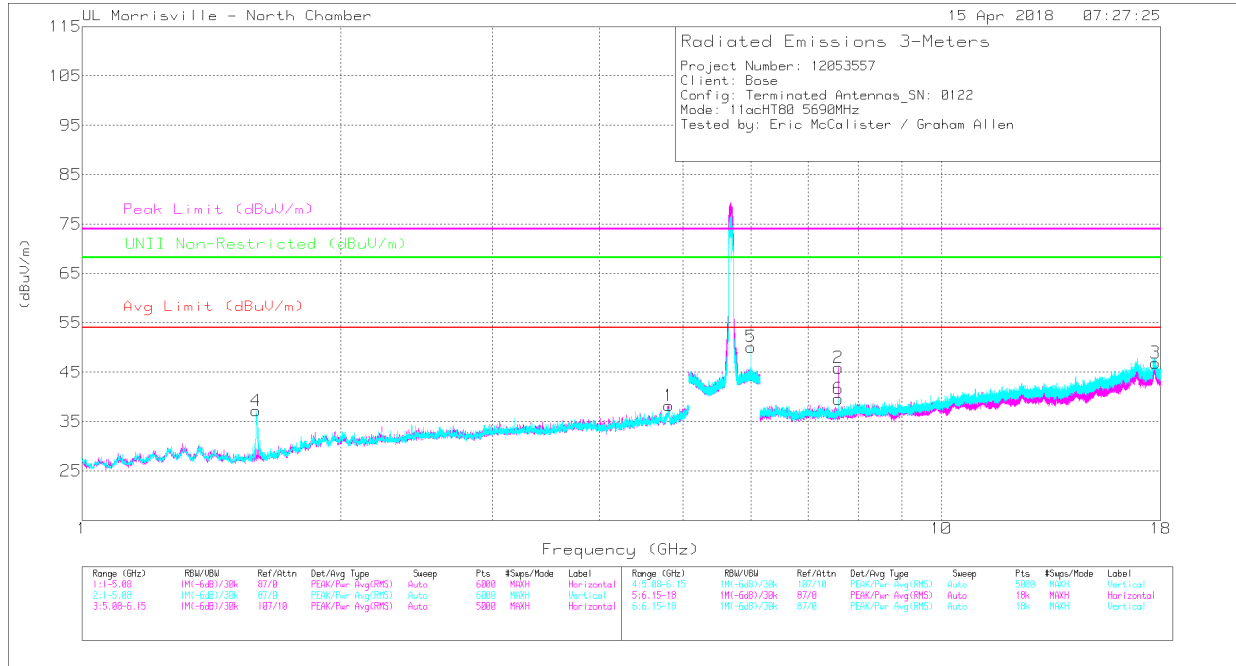
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



**STRADDLE CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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	* ** 4.82	41.16	PK-U	34.1	-31.2	0	44.06	-	-	74	-29.94	-	-	18	282	H
	* ** 4.822	29.56	ADR	34.1	-31.2	3.62	36.08	54	-17.92	-	-	-	-	18	282	H
4	* ** 1.595	57.47	PK-U	27.9	-35.9	0	49.47	-	-	74	-24.53	-	-	309	142	V
	* ** 1.593	33.22	ADR	27.9	-35.9	3.62	28.84	54	-25.16	-	-	-	-	309	142	V
2	* ** 7.587	44.47	PK-U	35.7	-29.5	0	50.67	-	-	74	-23.33	-	-	278	217	H
	* ** 7.587	40.52	ADR	35.7	-29.5	3.62	50.34	54	-3.66	-	-	-	-	278	217	H
3	* ** 17.741	34.3	PK-U	41.2	-21	0	54.5	-	-	74	-19.5	-	-	37	141	H
	* ** 17.741	22.36	ADR	41.2	-21	3.62	46.18	54	-7.82	-	-	-	-	37	141	H
6	* ** 7.587	40.18	PK-U	35.7	-29.5	0	46.38	-	-	74	-27.62	-	-	313	115	V
	* ** 7.587	32.4	ADR	35.7	-29.5	3.62	42.22	54	-11.78	-	-	-	-	313	115	V
5	6.001	38.71	PK-U	35.1	-21.9	0	51.91	-	-	-	-	68.2	-16.29	265	133	V

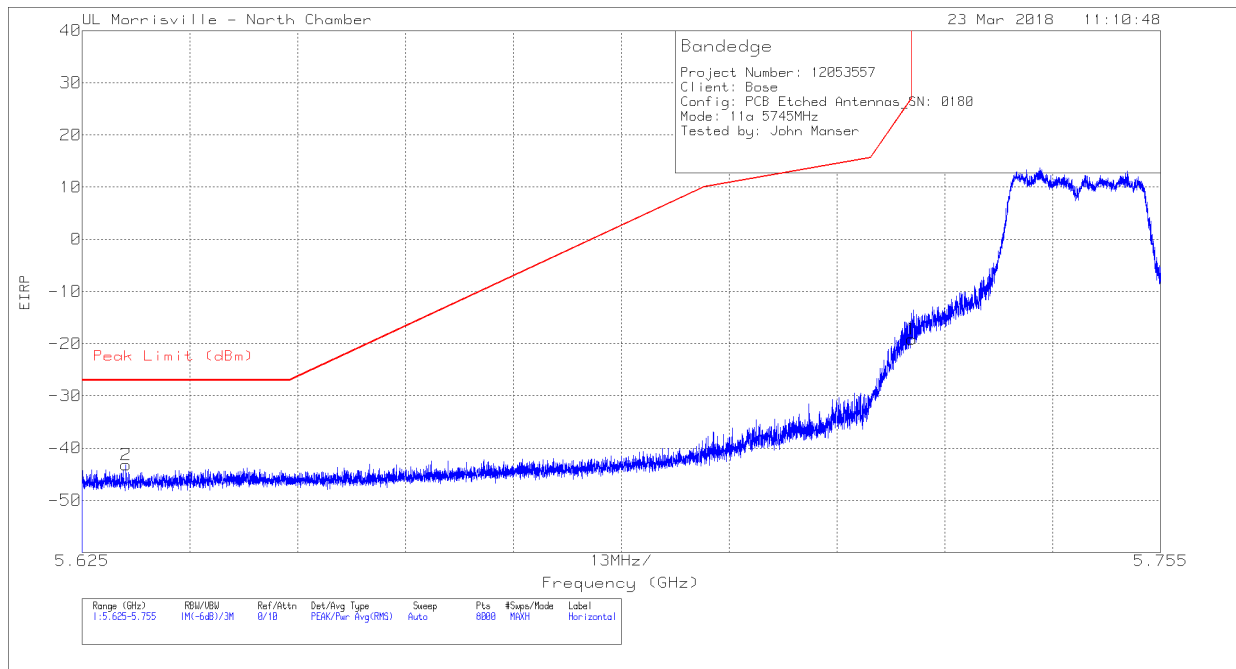
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

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

Note: All 5.8 GHz RBE testing was performed at the maximum power setting and fastest data rate which yields the worst-case result for bandedge testing. The faster data rates create higher amplitudes at the shoulders of the signals.

For 5.8 GHz RSE testing, the slowest data rate was tested at the maximum power setting because the slower data rate yields the highest power and PSD.

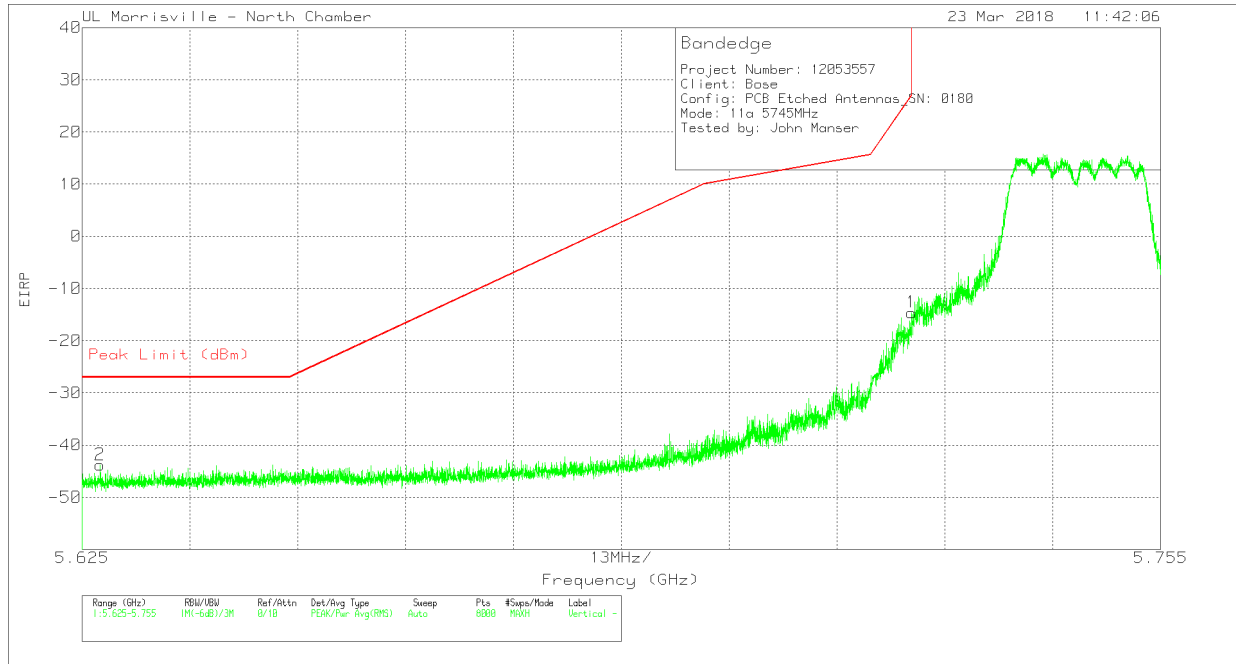
#### RESTRICTED BANDEDGE (LOW CHANNEL) HORIZONTAL PCB ANTENNA



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	-66.12	Pk	34.6	-23.5	11.8	0	-43.22	-27	-16.22	173	150	H
1	5.725	-42.17	Pk	34.6	-23.4	11.8	0	-19.17	27	-46.17	173	150	H

Pk - Peak detector

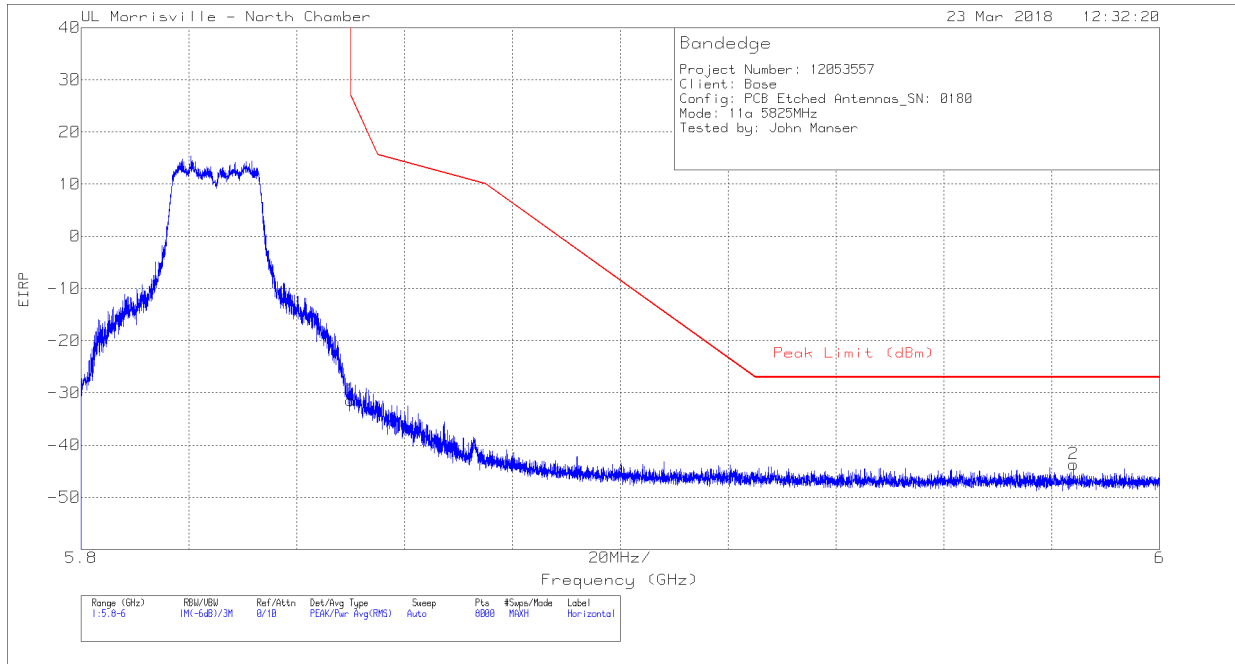
**RESTRICTED BANDEDGE (LOW CHANNEL) VERTICAL PCB ANTENNA**



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	-66.67	Pk	34.6	-23.5	11.8	0	-43.77	-27	-16.77	6	112	V
1	5.725	-37.58	Pk	34.6	-23.4	11.8	0	-14.58	27	-41.58	6	112	V

Pk - Peak detector

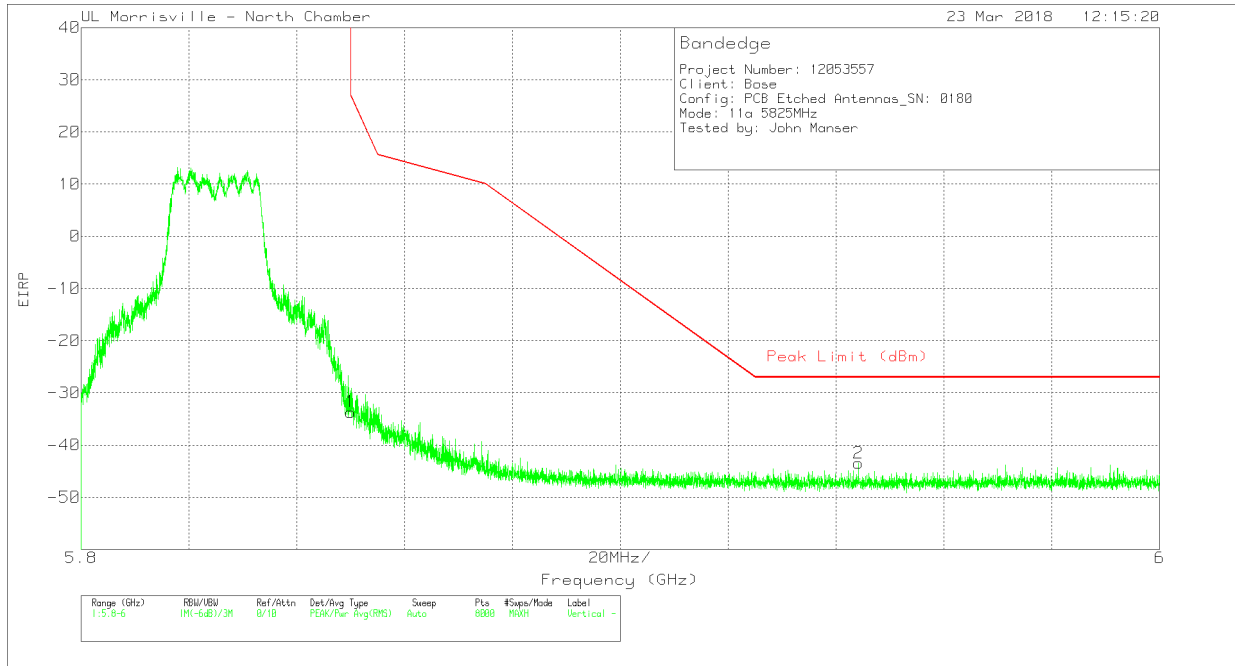
**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL PCB ANTENNA**



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	-54.86	Pk	34.8	-23.1	11.8	0	-31.36	26.99	-58.35	32	125	H
2	5.984	-67.54	Pk	35.1	-23	11.8	0	-43.64	-27	-16.64	32	125	H

Pk - Peak detector

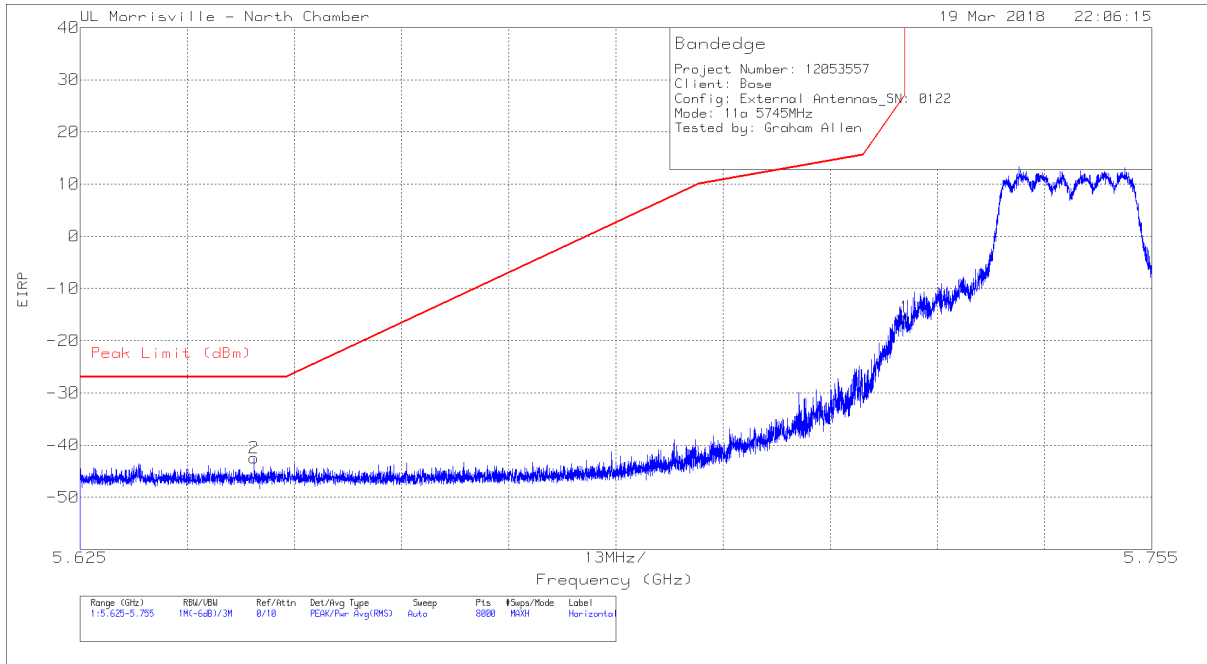
**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL PCB ANTENNA**



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	-57.17	Pk	34.8	-23.1	11.8	0	-33.67	26.99	-60.66	356	133	V
2	5.944	-67.24	Pk	34.9	-22.9	11.8	0	-43.44	-27	-16.44	356	133	V

Pk - Peak detector

**AUTHORIZED BANDEDGE (LOW CHANNEL) HORIZONTAL EXTERNAL ANTENNA**



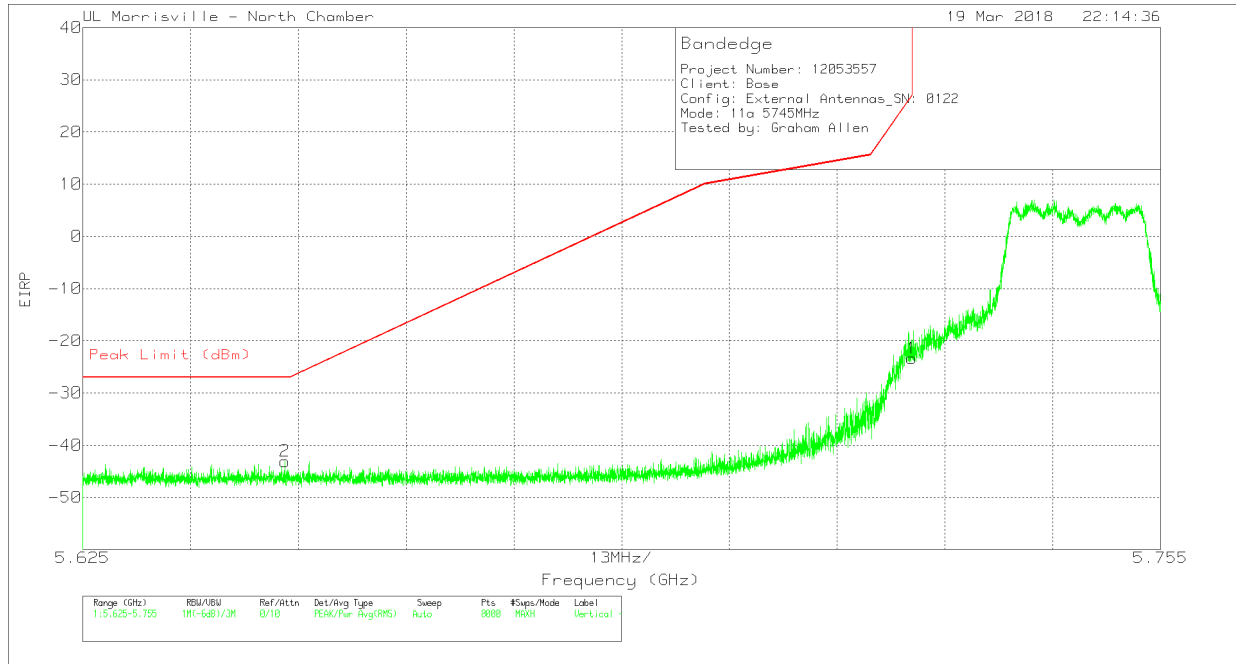
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.646	-66.37	Pk	34.6	-22.5	11.8	0	-42.47	-27	-15.47	45	250	H
1	5.725	-39.75	Pk	34.7	-22.3	11.8	0	-15.55	27	-42.55	45	250	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**RESTRICTED BANDEGE (LOW CHANNEL) VERTICAL EXTERNAL ANTENNA**



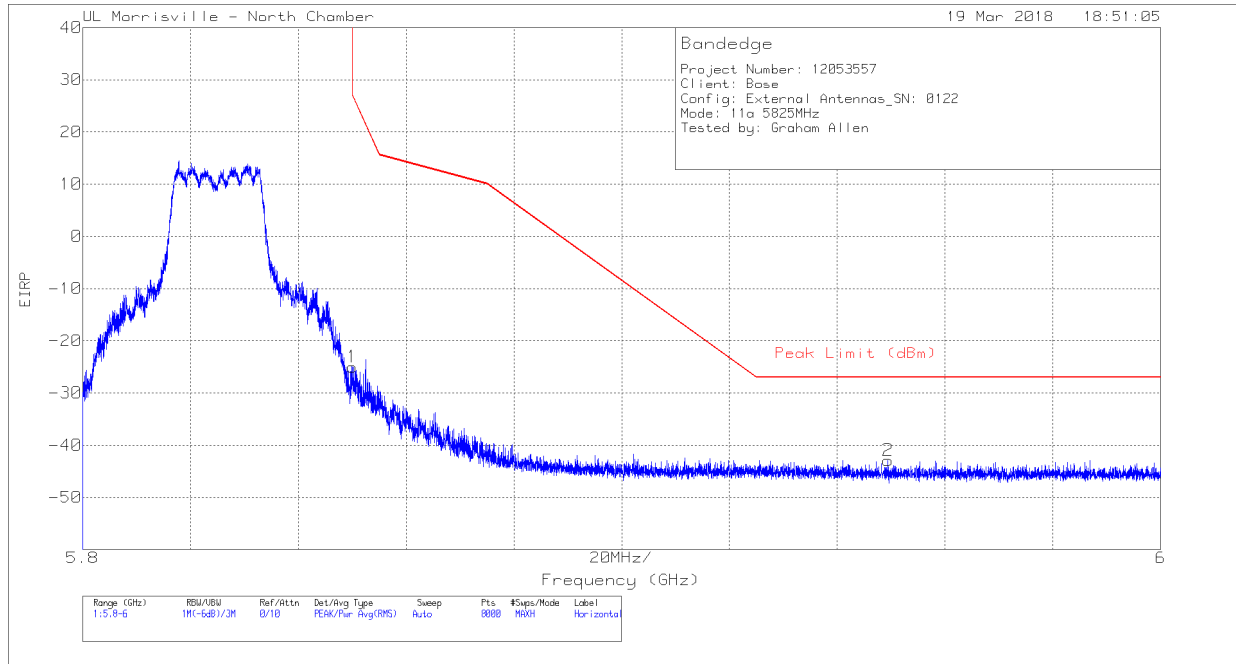
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.649	-66.99	Pk	34.6	-22.5	11.8	0	-43.09	-27	-16.09	121	271	V
1	5.725	-47.54	Pk	34.7	-22.3	11.8	0	-23.34	27	-50.34	121	271	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL) HORIZONTAL EXTERNAL ANTENNA**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 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	-49.82	Pk	34.9	-21.9	11.8	0	-25.02	26.99	-52.01	247	146	H
2	5.949	-68.11	Pk	34.9	-21.5	11.8	0	-42.91	-27	-15.91	247	146	H

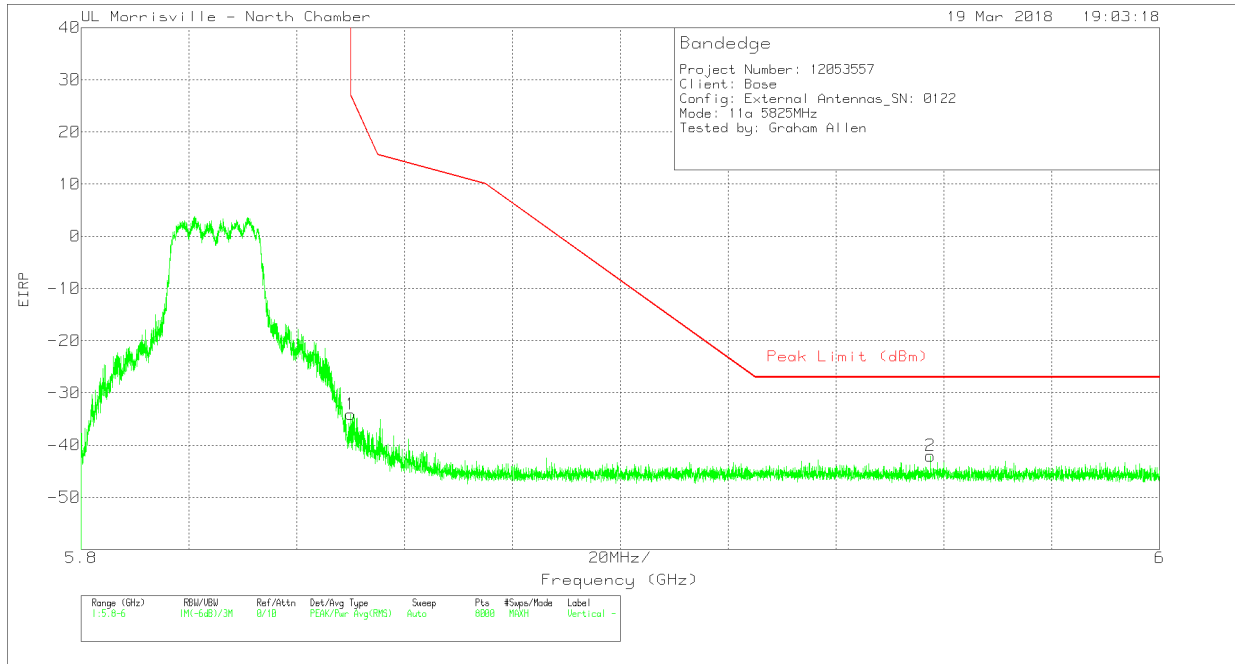
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector



**AUTHORIZED BANDEDGE (HIGH CHANNEL) VERTICAL EXTERNAL ANTENNA**

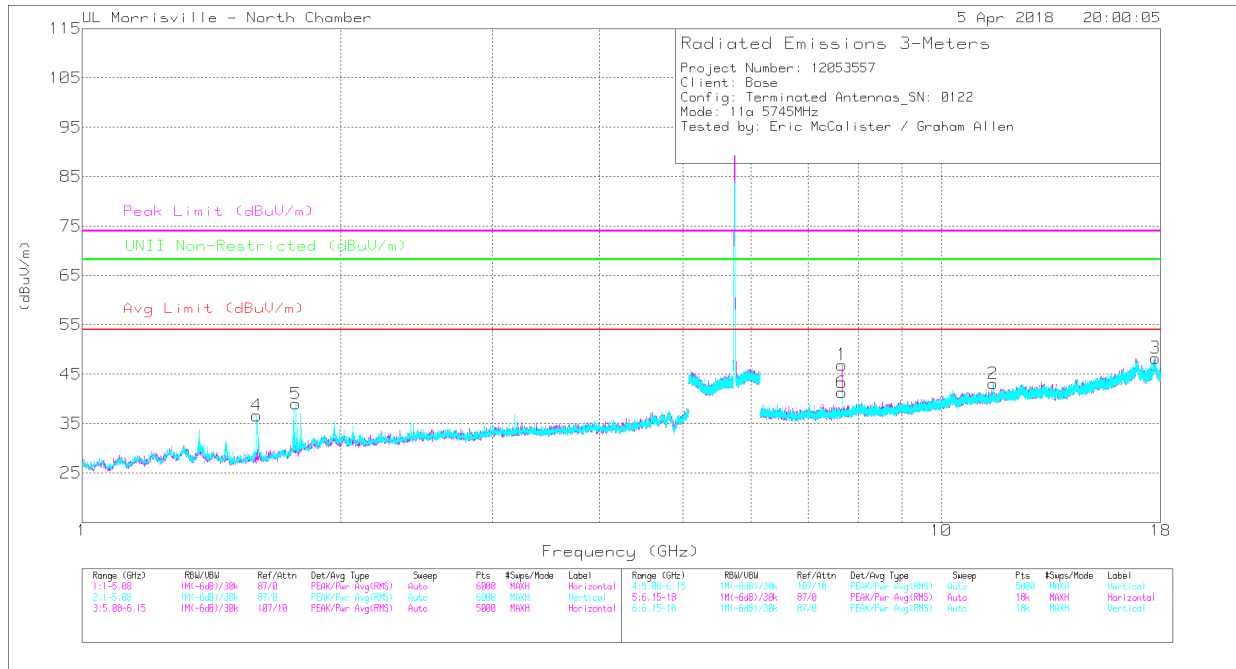


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 AF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-58.91	Pk	34.9	-21.9	11.8	0	-34.11	26.99	-61.1	26	363	V
2	5.957	-67.35	Pk	35	-21.5	11.8	0	-42.05	-27	-15.05	26	363	V

Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 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
4	* ** 1.595	54.05	PK-U	27.9	-35.9	0	46.05	-	-	74	-27.95	-	-	320	148	V
	* ** 1.597	32.69	ADR	28	-35.9	3.41	28.2	54	-25.8	-	-	-	-	320	148	V
1	* ** 7.66	43.79	PK-U	35.7	-29.4	0	50.09	-	-	74	-23.91	-	-	273	212	H
	* ** 7.66	39.37	ADR	35.7	-29.4	3.41	49.08	54	-4.92	-	-	-	-	273	212	H
2	* ** 11.482	36.37	PK-U	38.2	-25.6	0	48.97	-	-	74	-25.03	-	-	349	218	H
	* ** 11.482	24	ADR	38.2	-25.6	3.41	40.01	54	-13.99	-	-	-	-	349	218	H
3	* ** 17.741	34.06	PK-U	41.2	-21	0	54.26	-	-	74	-19.74	-	-	164	219	H
	* ** 17.74	22.44	ADR	41.2	-21	3.41	46.05	54	-7.95	-	-	-	-	164	219	H
6	* ** 7.66	40.16	PK-U	35.7	-29.4	0	46.46	-	-	74	-27.54	-	-	323	102	V
	* ** 7.66	33.13	ADR	35.7	-29.4	3.41	42.84	54	-11.16	-	-	-	-	323	102	V
5	1.771	52.68	PK-U	29.7	-35.8	0	46.58	-	-	-	-	68.2	-21.62	256	332	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average