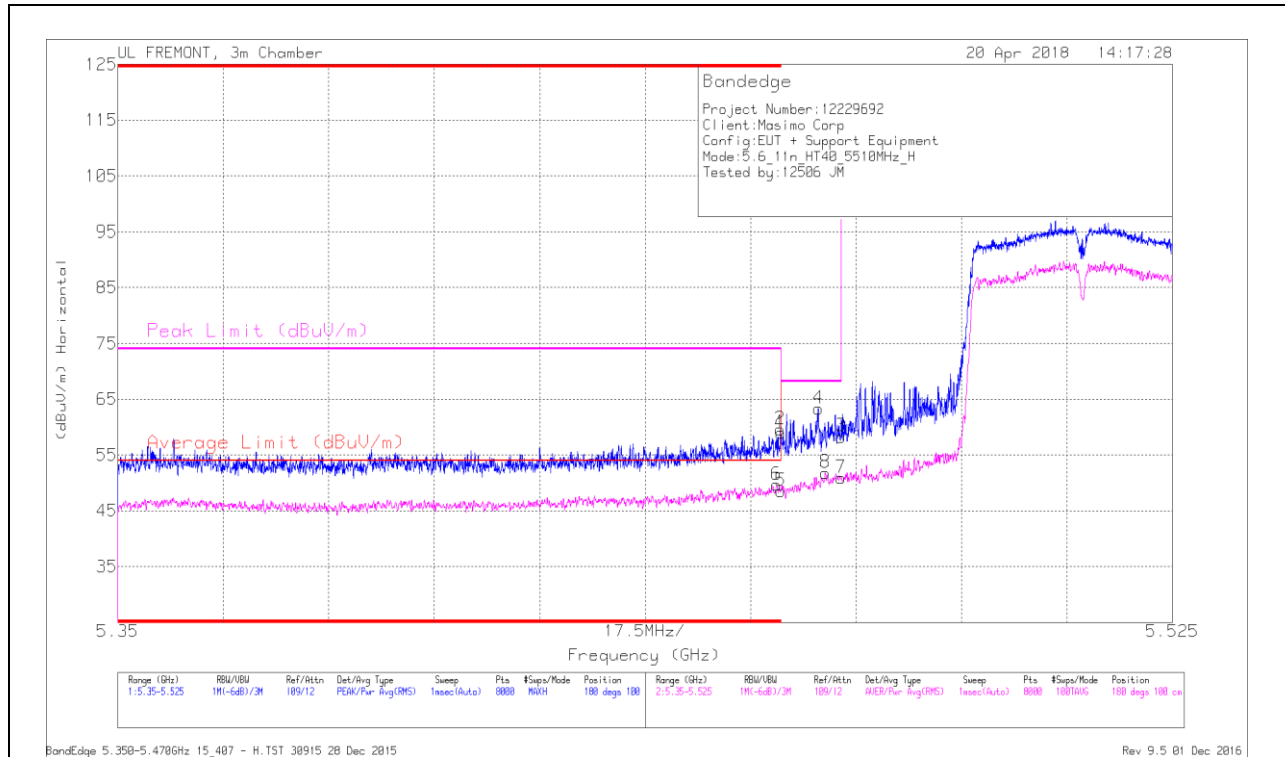


9.1.9. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



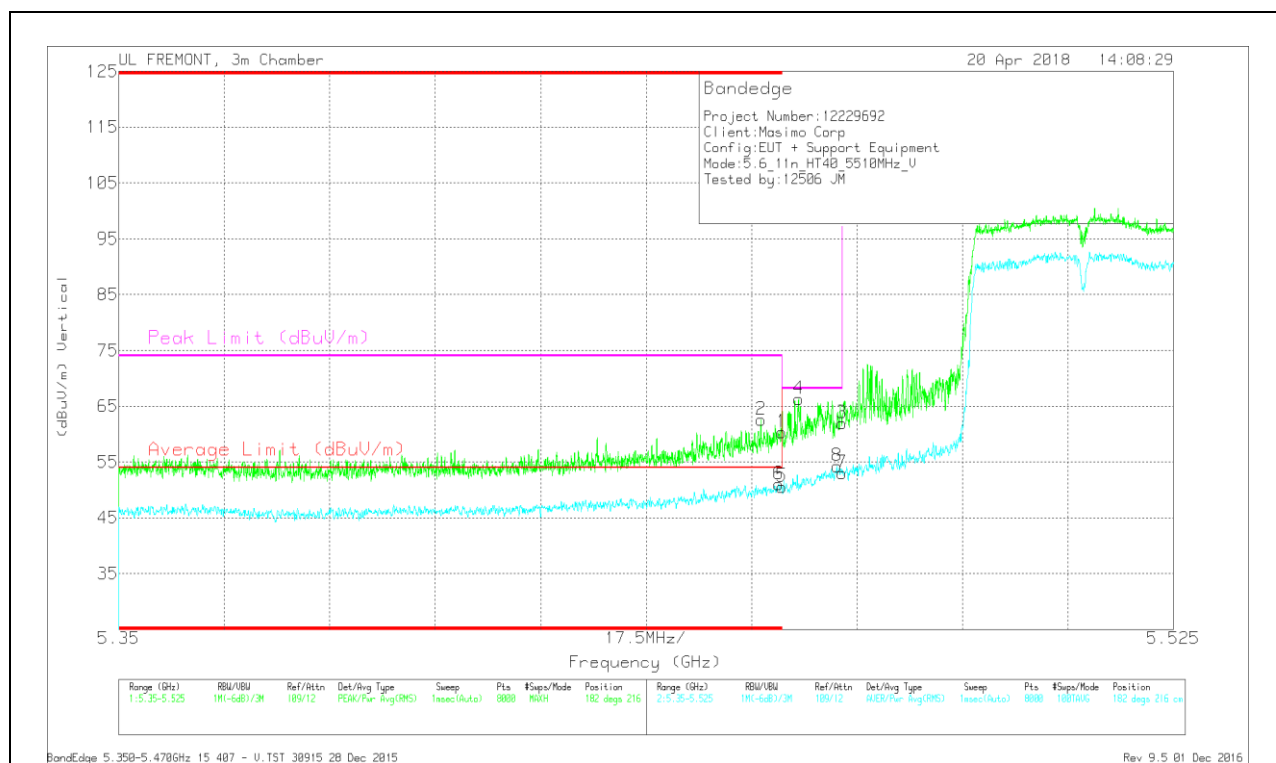
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
6	* 5.459	33.71	RMS	34.7	-19.4	.62	49.63	54	-4.37	-	-	180	100	H
1	* 5.46	43.71	Pk	34.7	-19.4	0	59.01	-	-	74	-14.99	180	100	H
2	* 5.46	44.35	Pk	34.7	-19.4	0	59.65	-	-	74	-14.35	180	100	H
5	* 5.46	32.58	RMS	34.7	-19.4	.62	48.5	54	-5.5	-	-	180	100	H
4	5.466	48.08	Pk	34.7	-19.4	0	63.38	-	-	68.2	-4.82	180	100	H
8	5.467	35.92	RMS	34.7	-19.4	.62	51.84	-	-	-	-	180	100	H
3	5.47	43	Pk	34.7	-19.4	0	58.3	-	-	68.2	-9.9	180	100	H
7	5.47	35.02	RMS	34.7	-19.4	.62	50.94	-	-	-	-	180	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	AmplChlFilt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
2	* 5.457	47.25	Pk	34.7	-19.4	0	62.55	-	-	74	-11.45	182	216	V
1	* 5.46	45.1	Pk	34.7	-19.4	0	60.4	-	-	74	-13.6	182	216	V
5	* 5.46	34.68	RMS	34.7	-19.4	.62	50.6	54	-3.4	-	-	182	216	V
6	* 5.46	35.08	RMS	34.7	-19.4	.62	51	54	-3	-	-	182	216	V
4	5.463	50.99	Pk	34.7	-19.4	0	66.29	-	-	68.2	-1.91	182	216	V
8	5.469	38.36	RMS	34.7	-19.4	.62	54.28	-	-	-	-	182	216	V
3	5.47	46.64	Pk	34.7	-19.4	0	61.94	-	-	68.2	-6.26	182	216	V
7	5.47	37.12	RMS	34.7	-19.4	.62	53.04	-	-	-	-	182	216	V

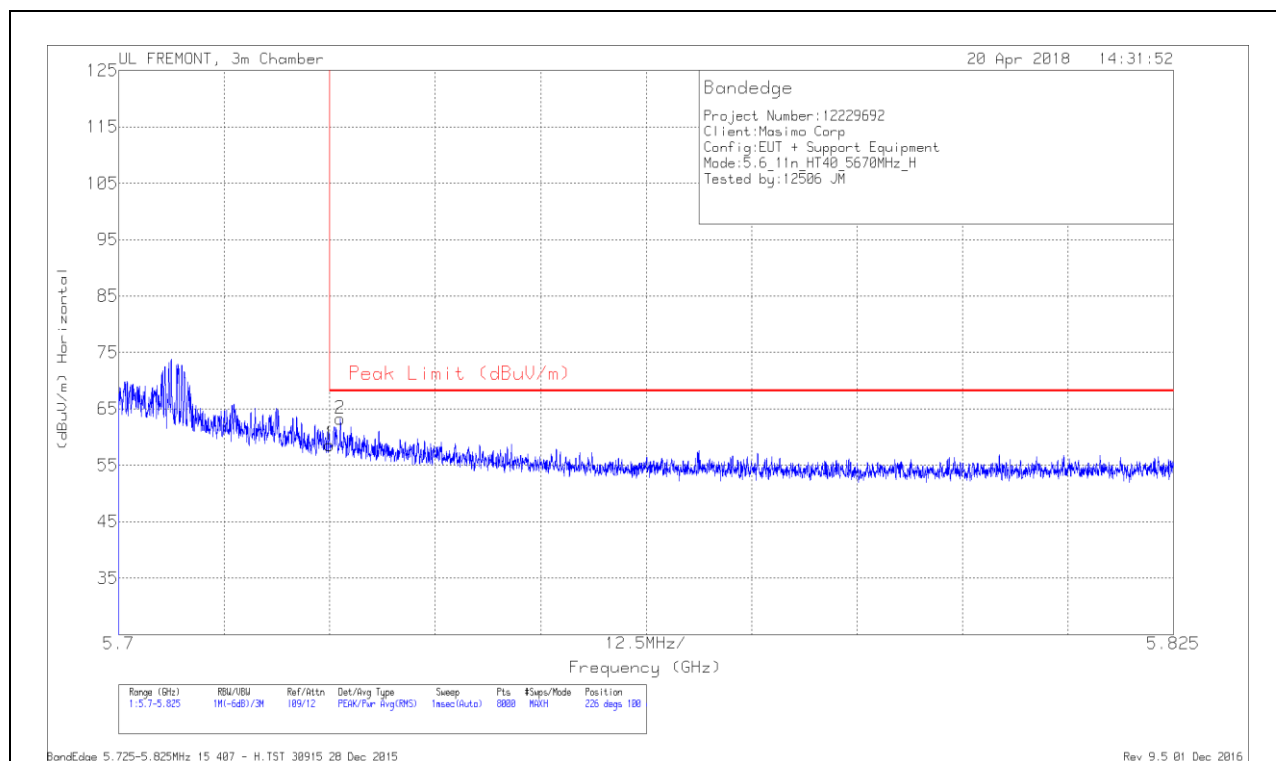
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL)

HORIZONTAL RESULT

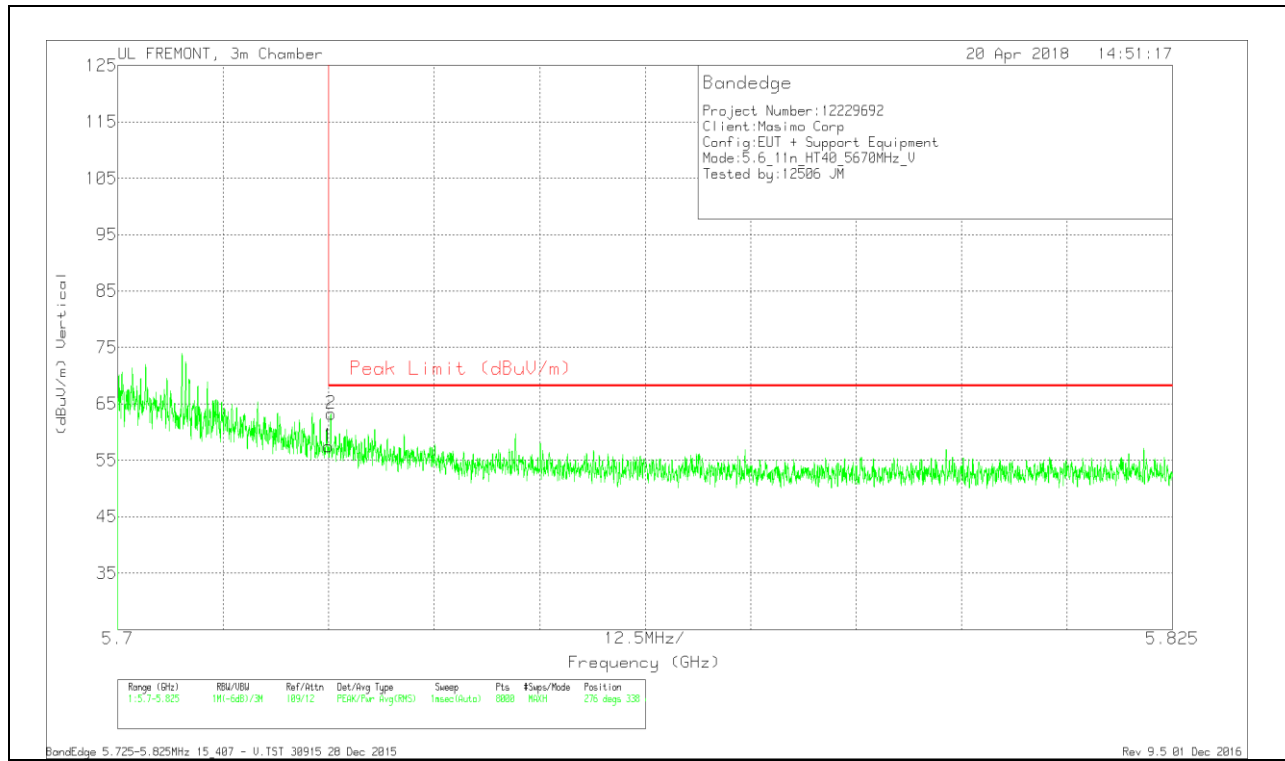


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.65	Pk	34.9	-19.9	0	58.65	68.2	-9.55	226	100	H
2	5.726	48.28	Pk	34.9	-19.9	0	63.28	68.2	-4.92	226	100	H

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

Pk - Peak detector

VERTICAL RESULT

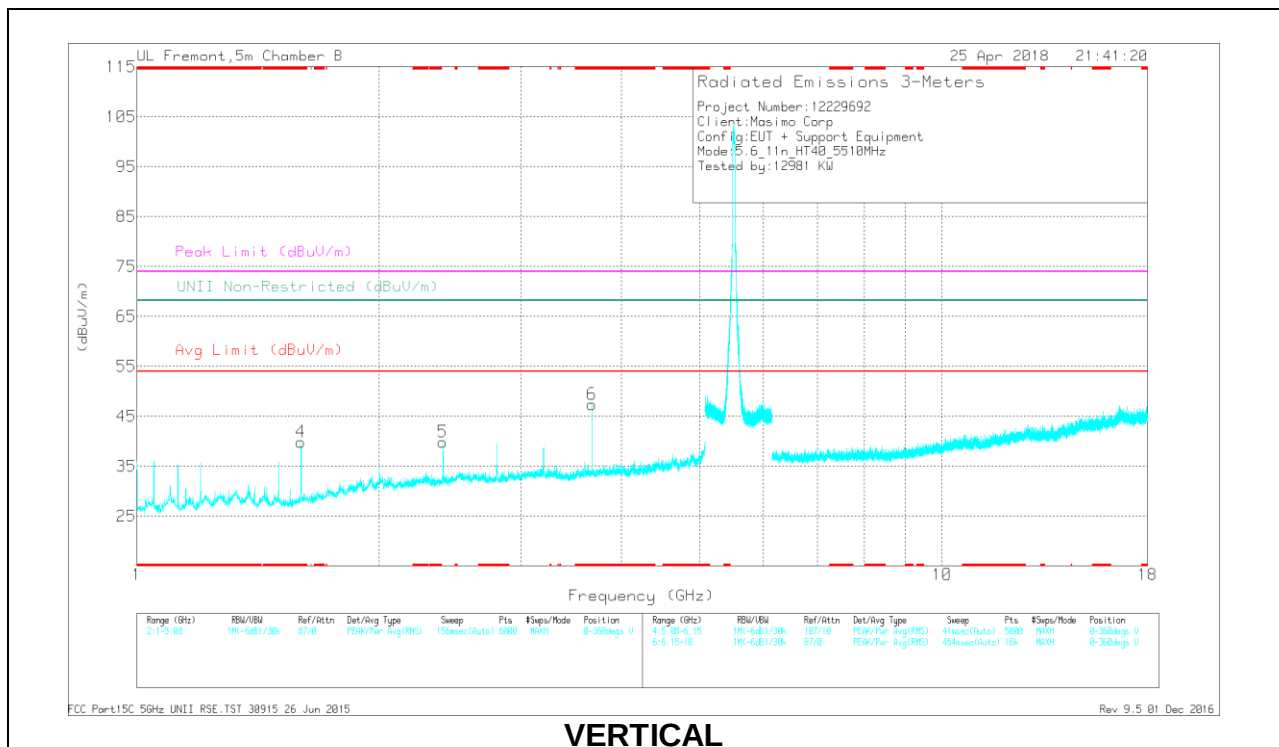
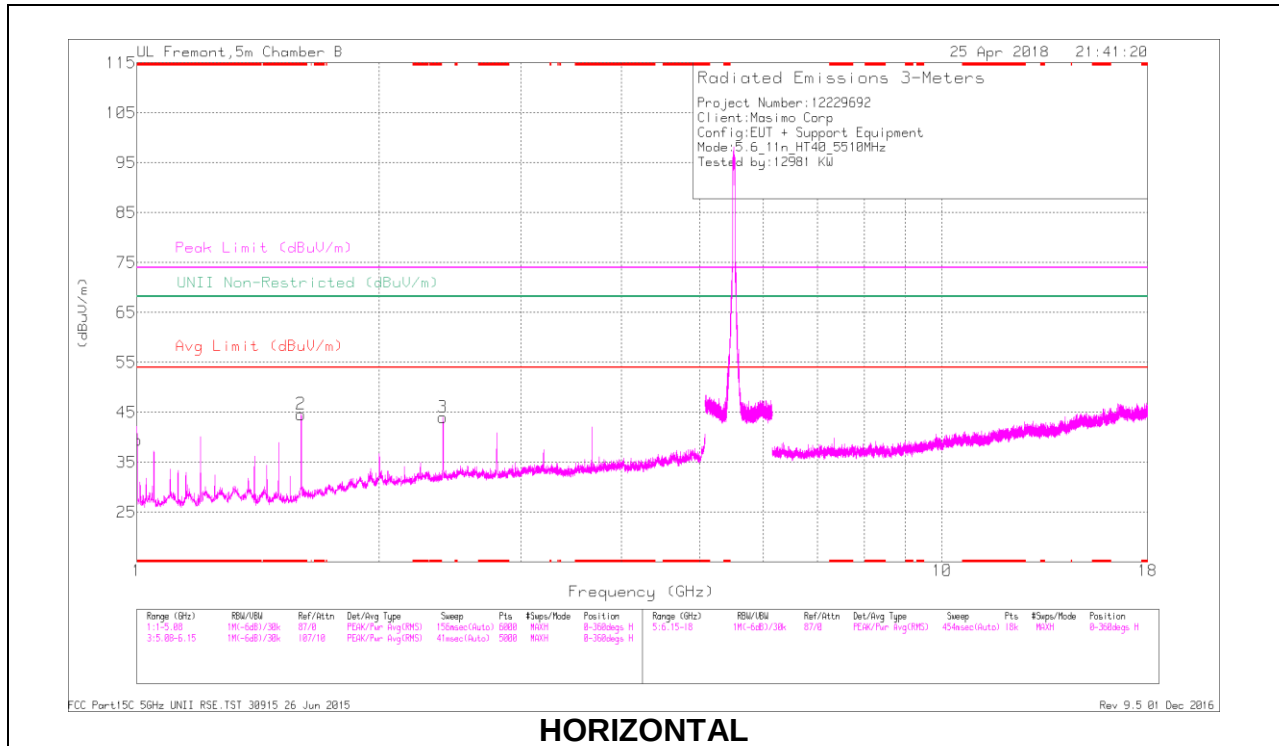


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Filt/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.46	Pk	34.9	-19.9	0	57.46	68.2	-10.74	276	338	V
2	5.725	48.21	Pk	34.9	-19.9	0	63.21	68.2	-4.99	276	338	V

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

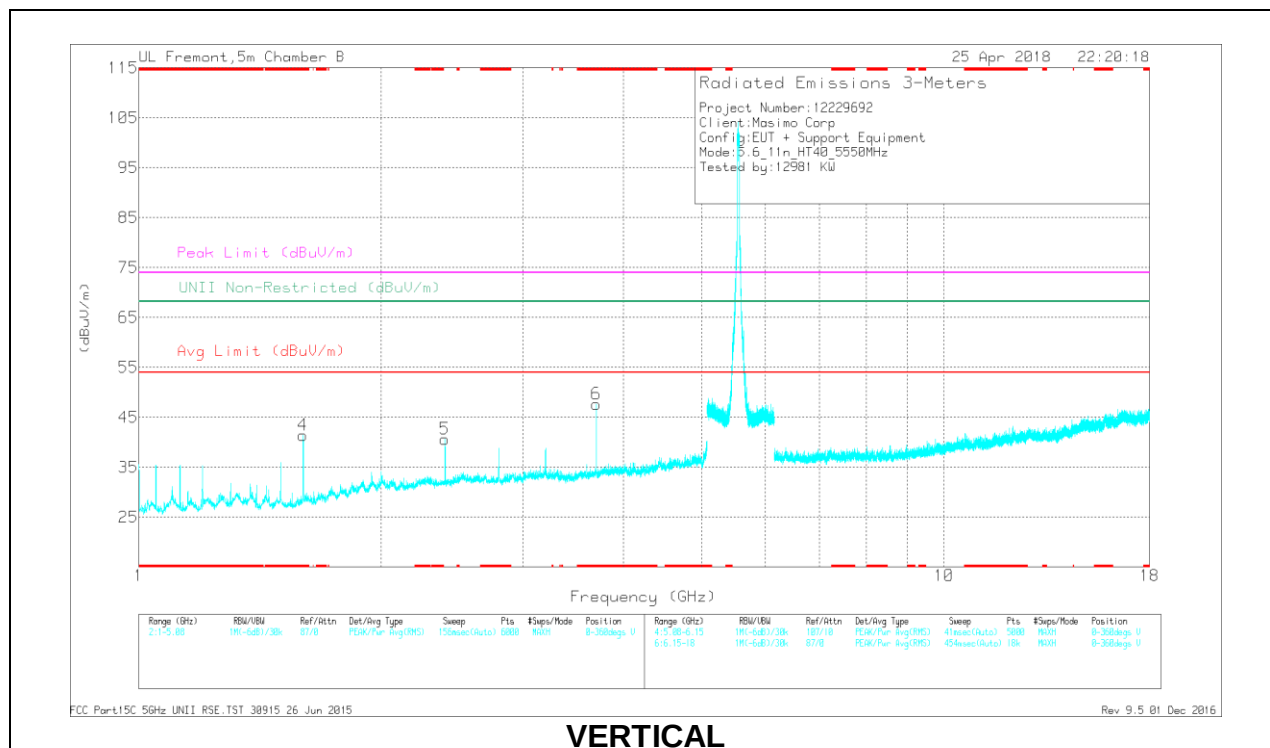
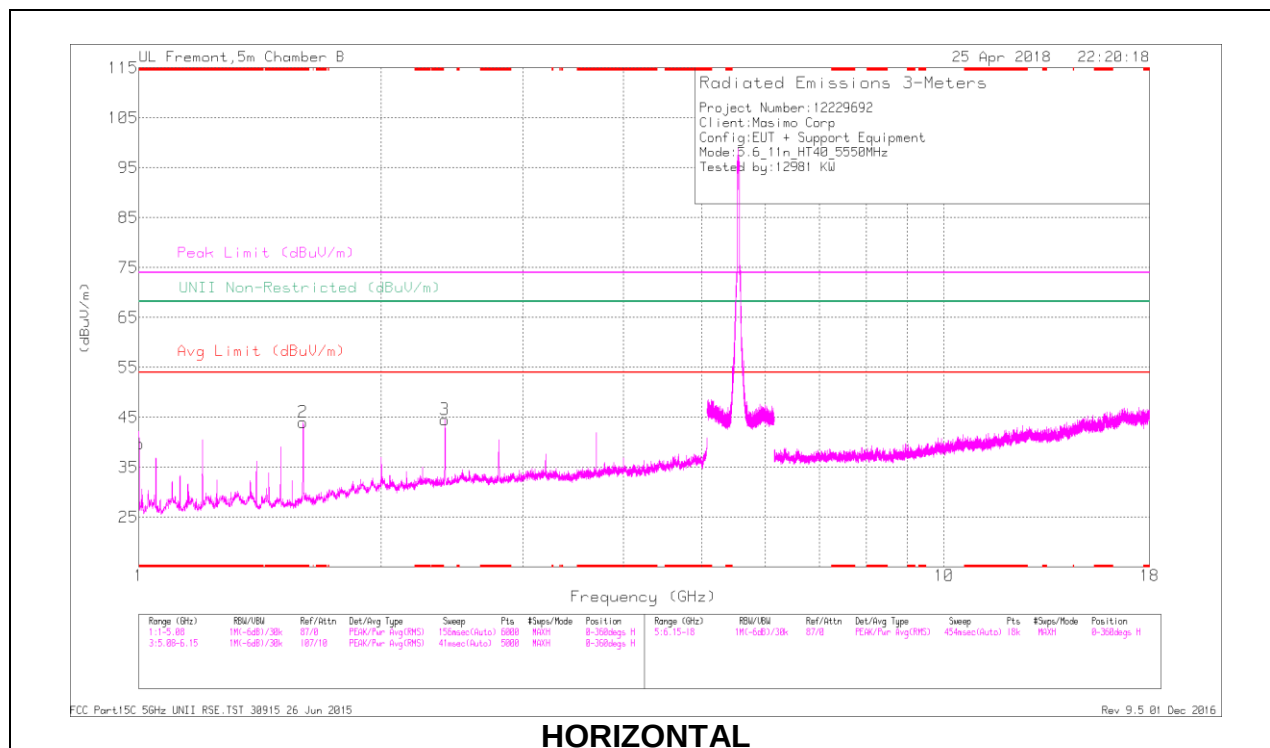
Frequency (GHz)	Meas Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cable/Int/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unfil Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1	55.65	PK-U	27.5	-35.2	0	47.95	-	-	74	-26.05	-	-	187	177	H
* 1	51.71	ADR	27.5	-35.2	62	44.63	54	-9.37	-	-	-	-	187	177	H
* 1.6	53.76	PK-U	28.3	-33.7	0	49.36	-	-	74	-25.64	-	-	99	174	H
* 1.6	42.1	ADR	28.3	-33.7	62	37.32	54	-16.68	-	-	-	-	99	174	H
* 1.6	47.3	PK-U	28.3	-33.7	0	41.9	-	-	74	-32.1	-	-	146	232	V
* 1.6	35.52	ADR	28.3	-33.7	62	30.74	54	-23.26	-	-	-	-	146	232	V
* 3.673	43.52	PK-U	33.2	-31.7	0	45.02	-	-	74	-28.98	-	-	52	171	V
* 3.673	36.77	ADR	33.2	-31.7	62	38.89	54	-15.11	-	-	-	-	52	171	V
2.4	49.41	PK-U	32	-33.2	0	48.21	-	-	-	-	68.2	-19.99	64	181	H
2.4	45.01	PK-U	32	-33.1	0	43.91	-	-	-	-	68.2	-24.29	223	200	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



RADIATED EMISSIONS

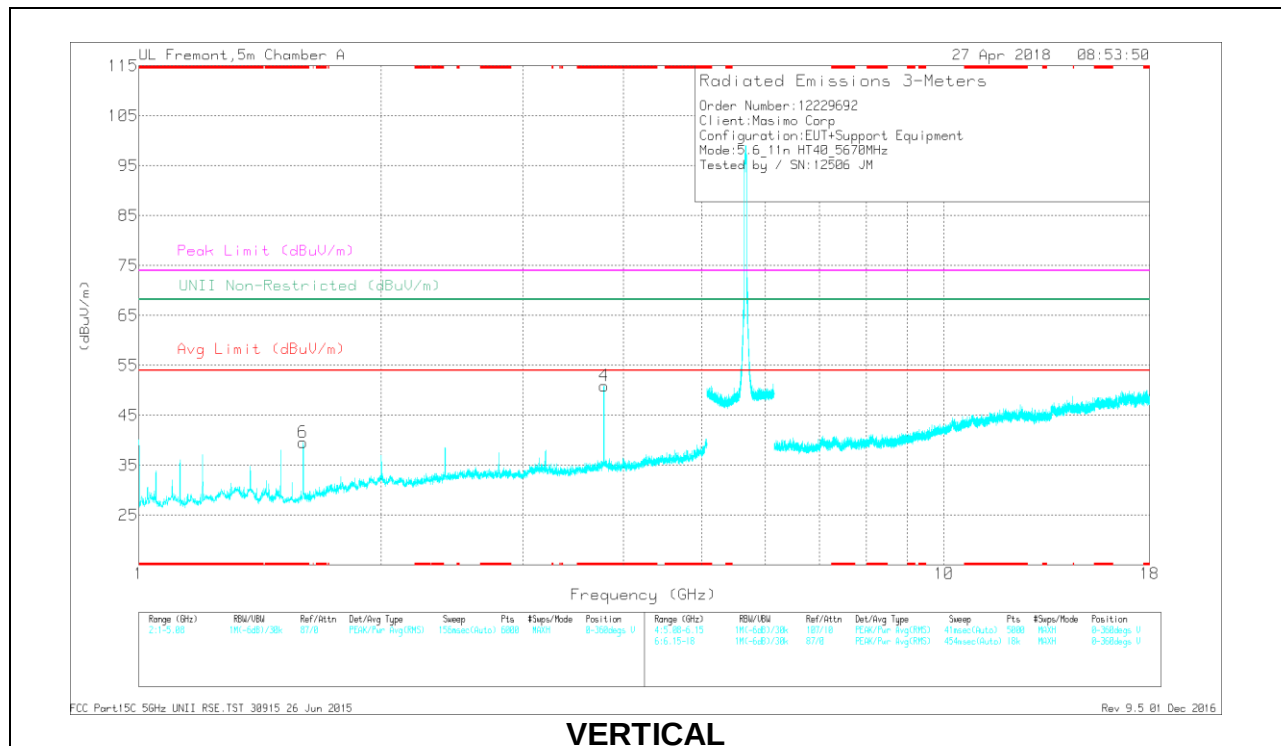
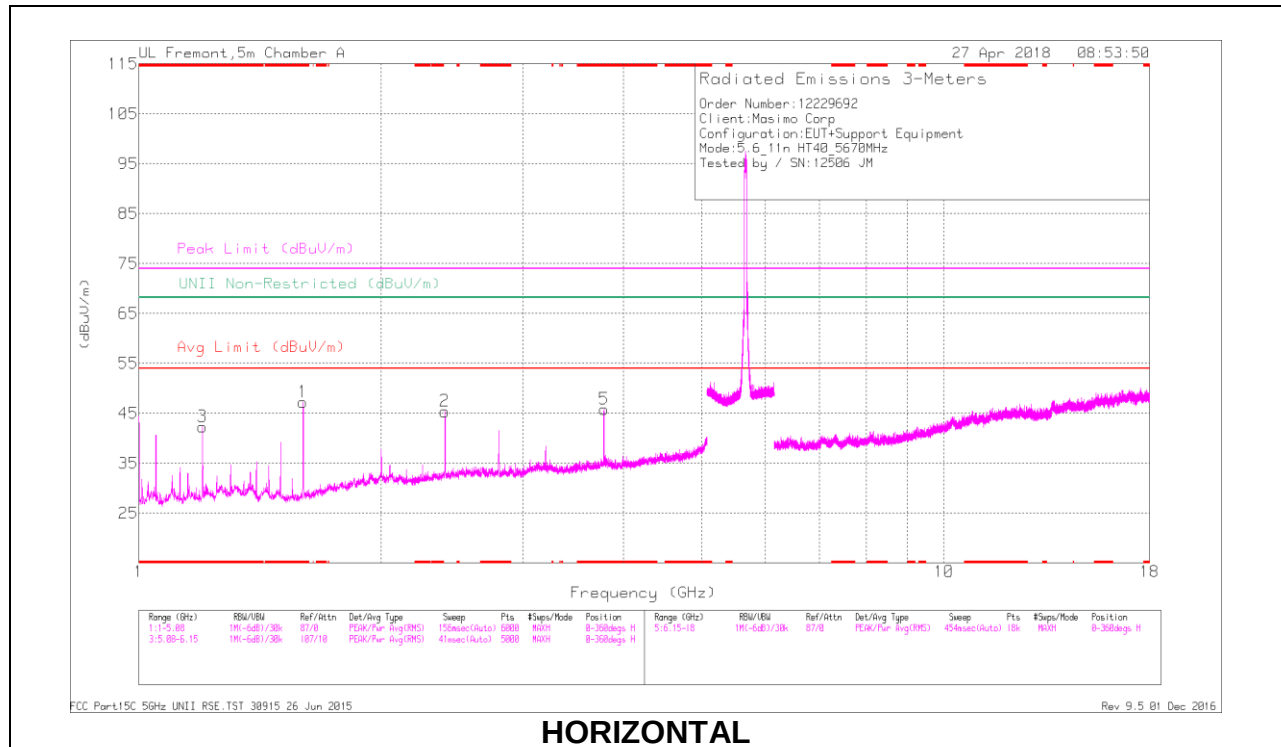
Frequency (GHz)	Meas Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unlit Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1	56.04	PK-U	27.5	-35.2	0	48.34	-	-	74	-25.66	-	-	199	170	H
* 1	52.05	ADR	27.5	-35.2	62	44.97	54	-9.03	-	-	-	-	199	170	H
* 1.6	54.01	PK-U	28.3	-33.7	0	48.61	-	-	74	-25.39	-	-	65	156	H
* 1.6	43.23	ADR	28.3	-33.7	62	38.45	54	-15.55	-	-	-	-	65	156	H
* 1.6	46.6	PK-U	28.3	-33.7	0	41.2	-	-	74	-32.8	-	-	7	198	V
* 1.6	35.44	ADR	28.3	-33.7	62	30.66	54	-23.34	-	-	-	-	7	198	V
* 3.7	45.54	PK-U	33.3	-31.7	0	47.14	-	-	74	-26.86	-	-	45	104	V
* 3.7	39.79	ADR	33.3	-31.7	62	42.01	54	-11.99	-	-	-	-	45	104	V
2.4	47.99	PK-U	32	-33.2	0	46.79	-	-	-	-	68.2	-21.41	228	101	H
2.4	44.72	PK-U	32	-33.2	0	43.52	-	-	-	-	68.2	-24.68	250	150	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

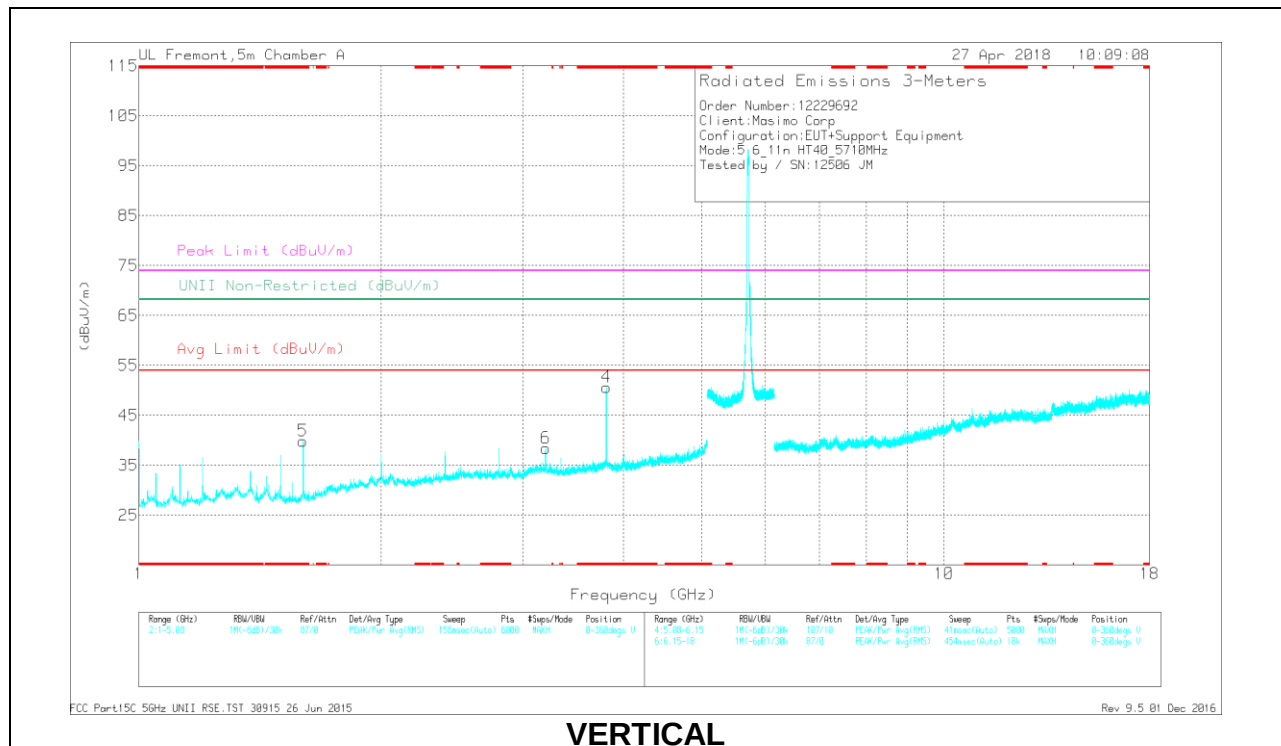
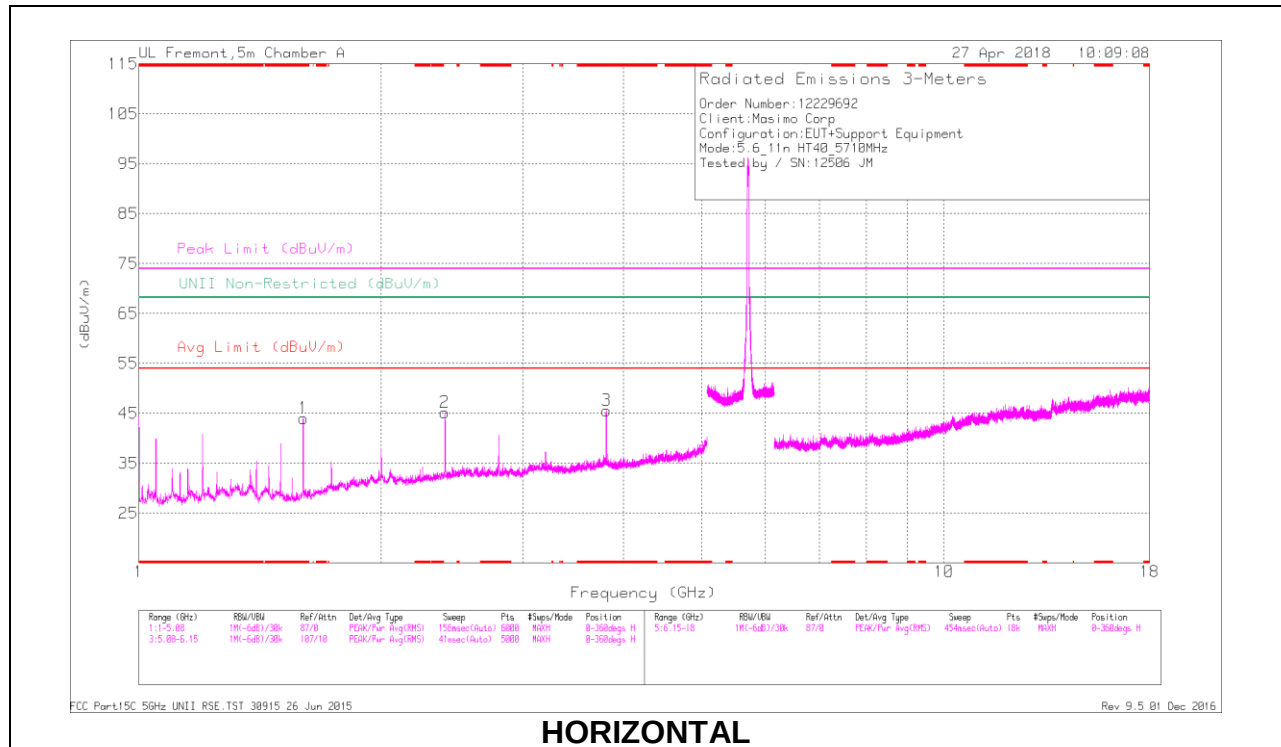
Frequency (GHz)	Meas Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unli Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
* 1.6	54.03	PK-U	28.2	-31.8	0	50.43	-	-	74	-23.57	-	-	178	111	H
* 1.6	41.77	ADR	28.2	-31.8	.62	39.79	54	-15.21	-	-	-	-	178	111	H
* 1.2	49.12	PK-U	28.2	-32.5	0	44.82	-	-	74	-29.18	-	-	74	132	H
* 1.2	44.17	ADR	28.2	-32.5	.62	40.49	54	-13.51	-	-	-	-	74	132	H
* 3.78	43.95	PK-U	33.2	-28.3	0	48.85	-	-	74	-25.15	-	-	21	392	H
* 3.78	39.43	ADR	33.2	-28.3	.62	44.95	54	-9.05	-	-	-	-	21	392	H
* 3.78	48.23	PK-U	33.2	-28.3	0	53.13	-	-	74	-20.87	-	-	3	156	V
* 3.78	45.41	ADR	33.2	-28.3	.62	50.93	54	-3.07	-	-	-	-	3	156	V
* 1.6	50	PK-U	28.2	-31.8	0	46.4	-	-	74	-27.6	-	-	160	231	V
* 1.6	37.34	ADR	28.2	-31.8	.62	34.36	54	-19.64	-	-	-	-	160	231	V
2.4	47.94	PK-U	31.8	-30.3	0	49.44	-	-	-	-	68.2	-18.76	138	196	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 142 RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meas Reading (dBuV)	Det	AF T862 (dBm)	AmpClass/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unli Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
* 1.6	54.58	PK-U	28.2	-31.8	0	50.98	-	-	74	-23.02	-	-	182	105	H
* 1.6	42.61	ADR	28.2	-31.8	.62	39.63	54	-14.37	-	-	-	-	192	105	H
* 3.807	44.74	PK-U	33.2	-28.1	0	49.84	-	-	74	-24.16	-	-	46	234	H
* 3.807	40.99	ADR	33.2	-28.1	.62	46.71	54	-7.29	-	-	-	-	46	234	H
* 3.807	49.19	PK-U	33.2	-28.1	0	54.29	-	-	74	-19.71	-	-	351	225	V
* 3.807	46.35	ADR	33.2	-28.1	.62	52.07	54	-1.93	-	-	-	-	351	225	V
* 1.6	50.21	PK-U	28.2	-31.8	0	46.61	-	-	74	-27.39	-	-	30	110	V
* 1.6	38.45	ADR	28.2	-31.8	.62	35.47	54	-18.53	-	-	-	-	30	110	V
2.4	47.6	PK-U	31.8	-30.3	0	49.1	-	-	-	-	68.2	-19.1	133	149	H
3.198	42.02	PK-U	33.1	-29.4	0	45.72	-	-	-	-	68.2	-22.48	192	278	V

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

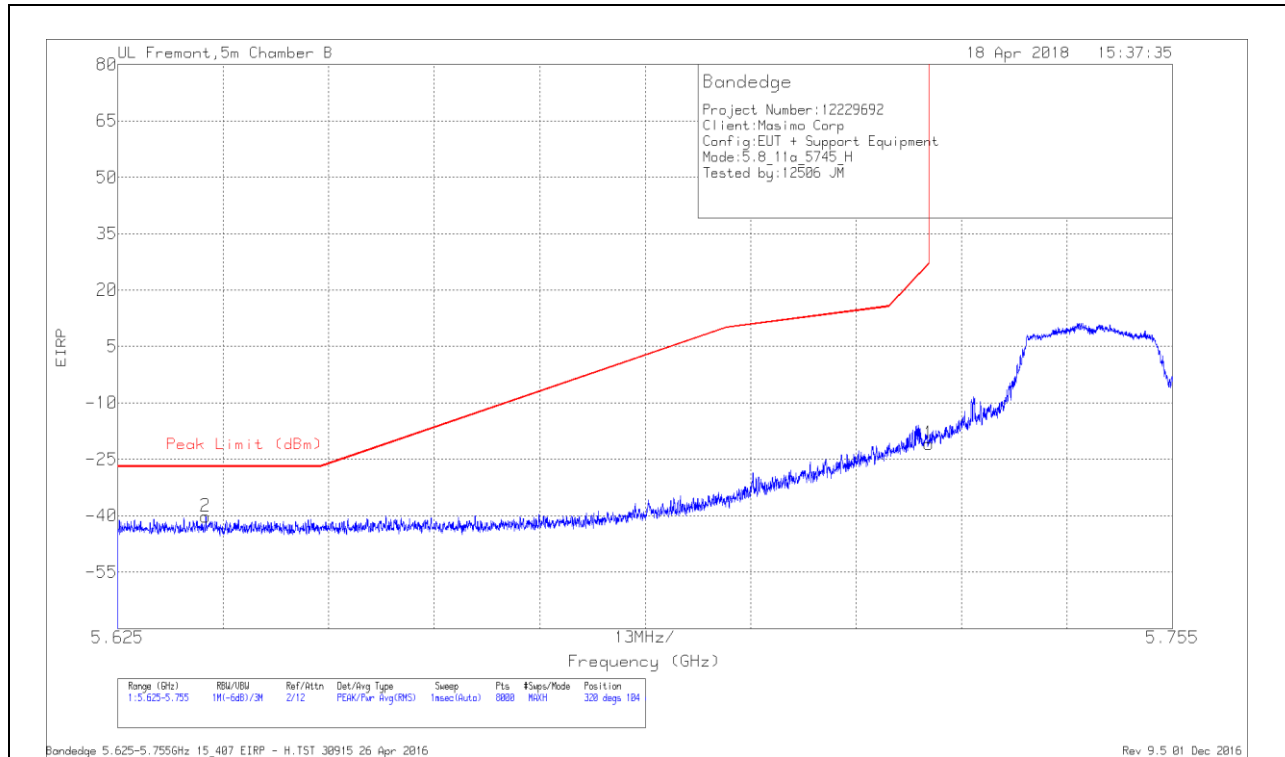
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

BANDEDGE (LOW CHANNEL)

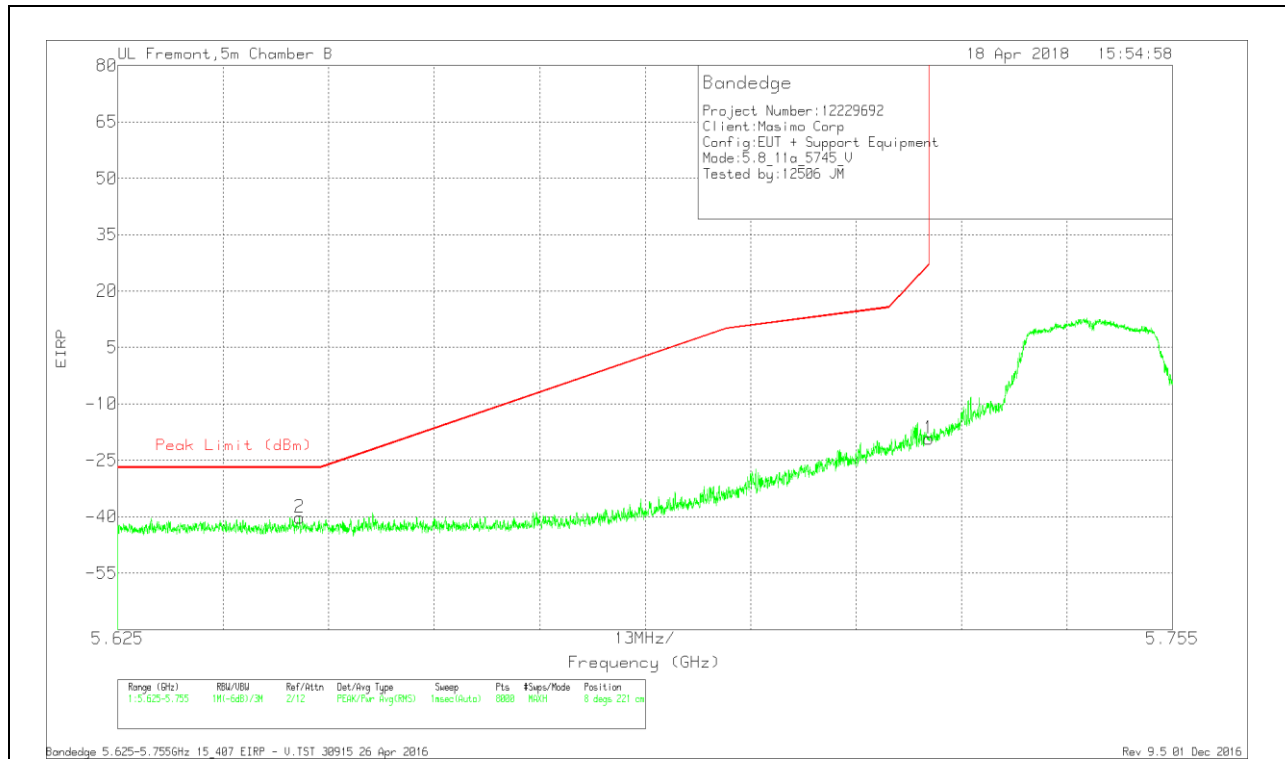
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT863 (dBm)	Amp/Cbl/Ftr/ Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.636	-67.27	Pk	35.3	-20	11.8	0	-40.17	-27	-13.17	320	104	H
1	5.725	-47.69	Pk	35	-20	11.8	0	-20.89	27	-47.89	320	104	H

Pk - Peak detector

VERTICAL RESULT

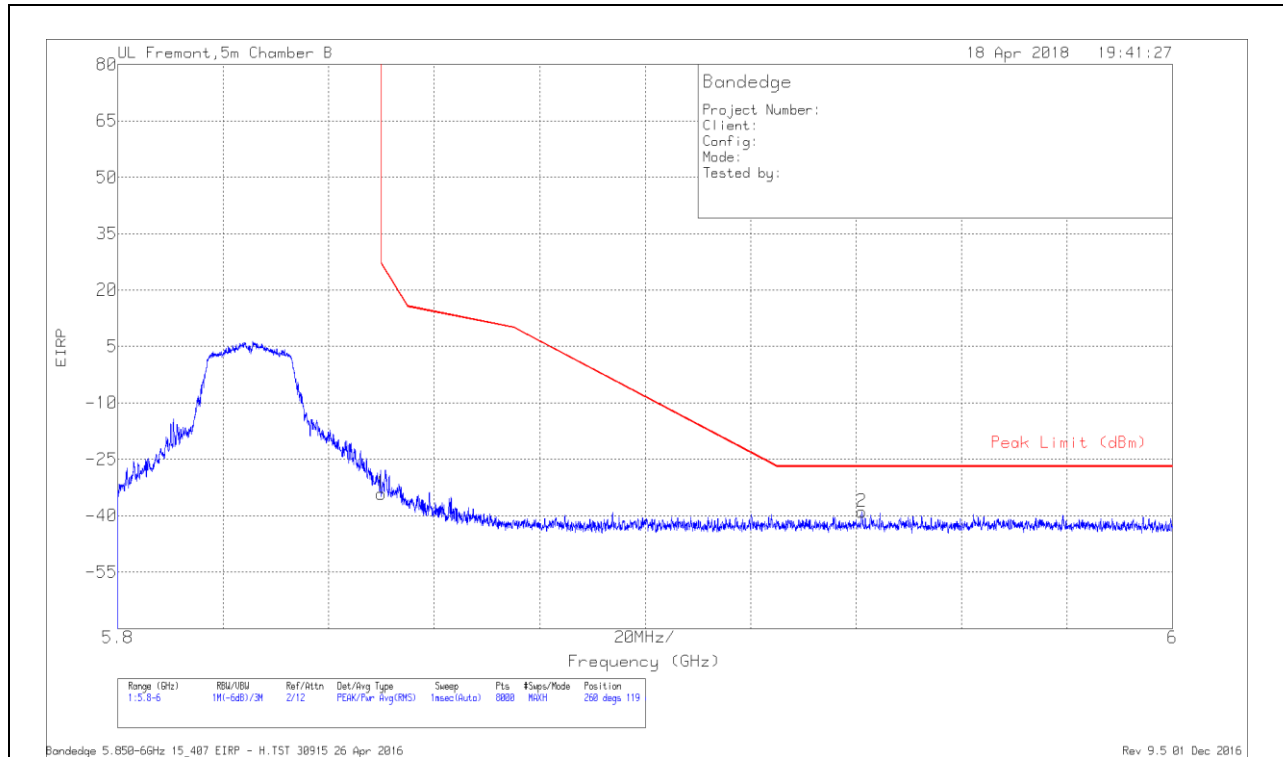


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/CbllFiltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.647	-67.19	Pk	35.3	-20.1	11.8	-40.19	-27	-13.19	8	221	V
1	5.725	-46.05	Pk	35	-20	11.8	-19.25	27	-46.25	8	221	V

Pk - Peak detector

BANDEGE (HIGH CHANNEL)

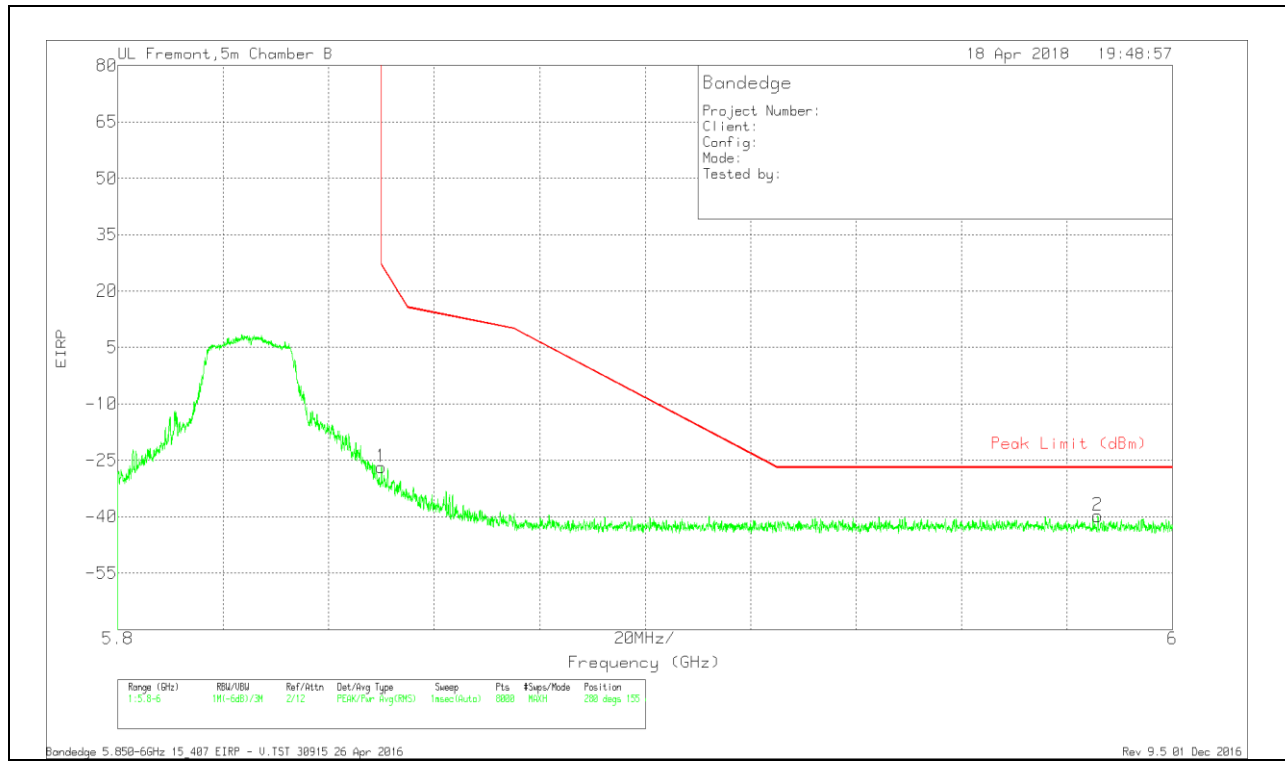
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dBm)	Amp/Cbl/Ftr/ 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	-61.06	Pk	35.1	-20	11.8	0	-34.16	26.99	-61.15	260	119	H
2	5.941	-66.43	Pk	35.2	-19.6	11.8	0	-39.03	-27	-12.03	260	119	H

Pk - Peak detector

VERTICAL RESULT

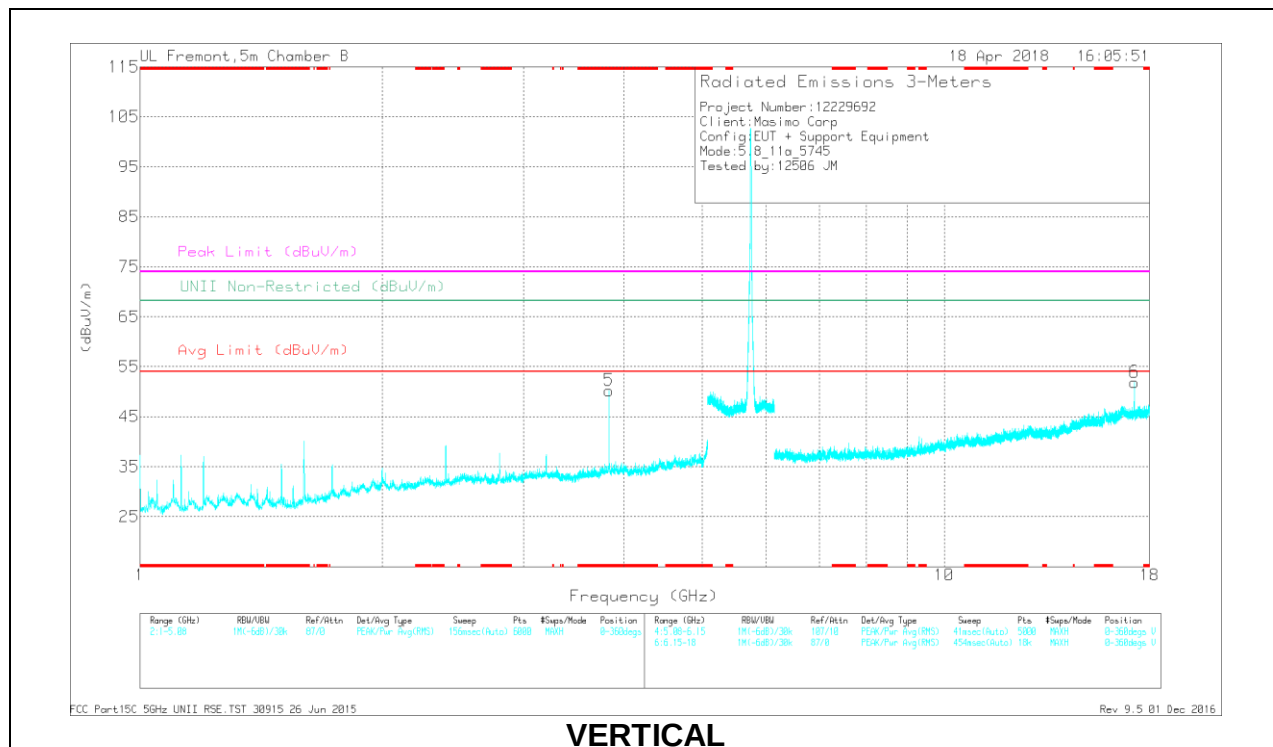
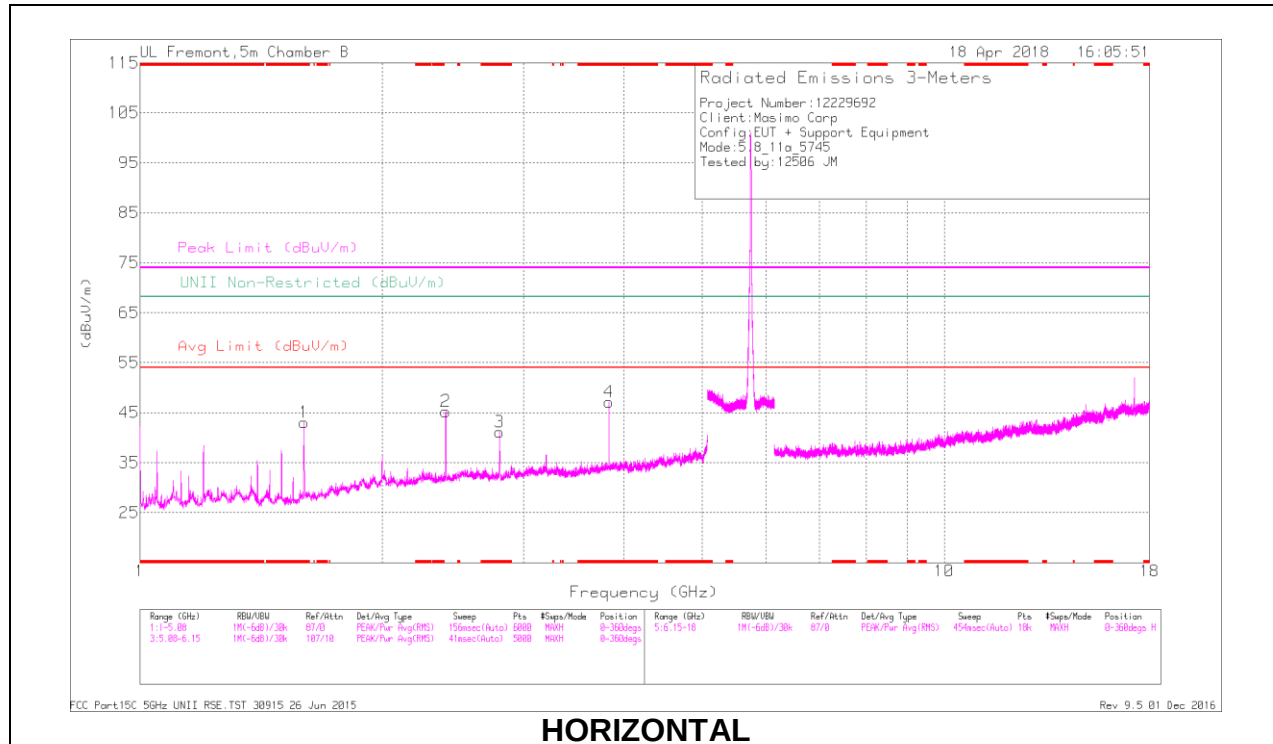


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/ Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-53.72	Pk	35.1	-20	11.8	0	-26.82	26.99	-53.81	280	155	V
2	5.986	-67.28	Pk	35.3	-19.6	11.8	0	-39.78	-27	-12.78	280	155	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

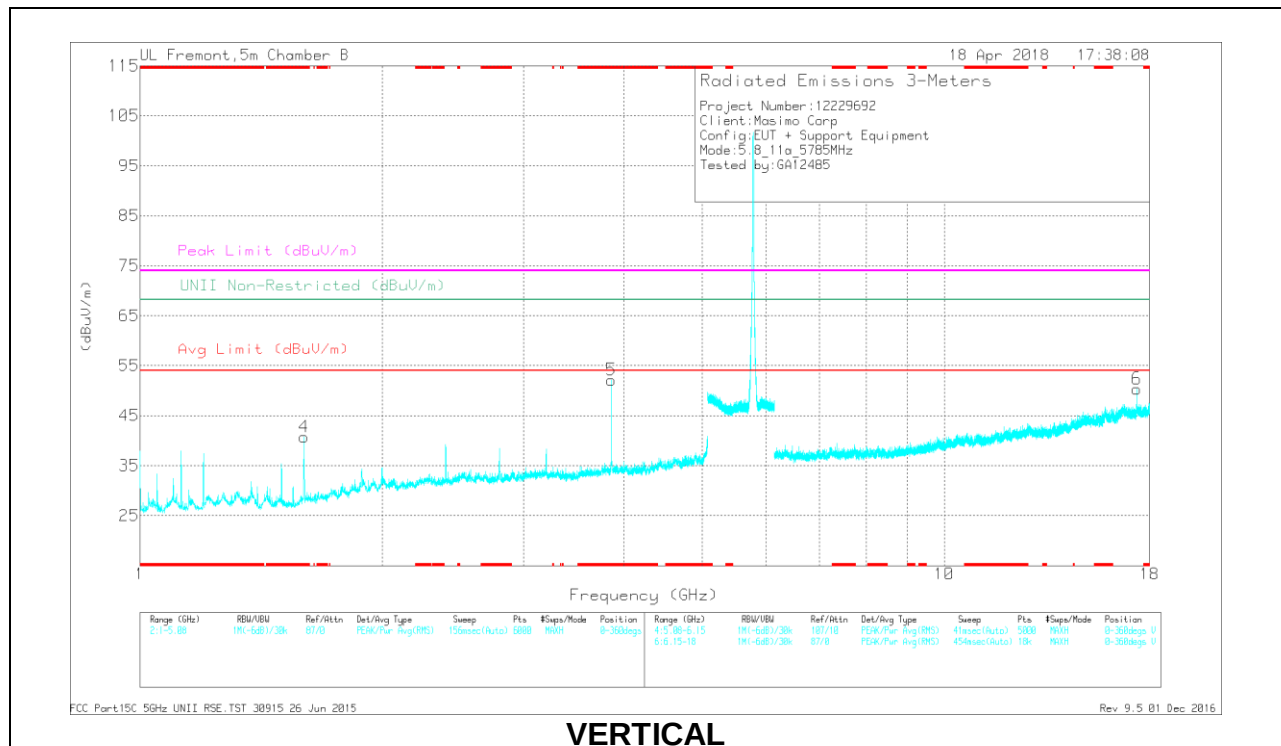
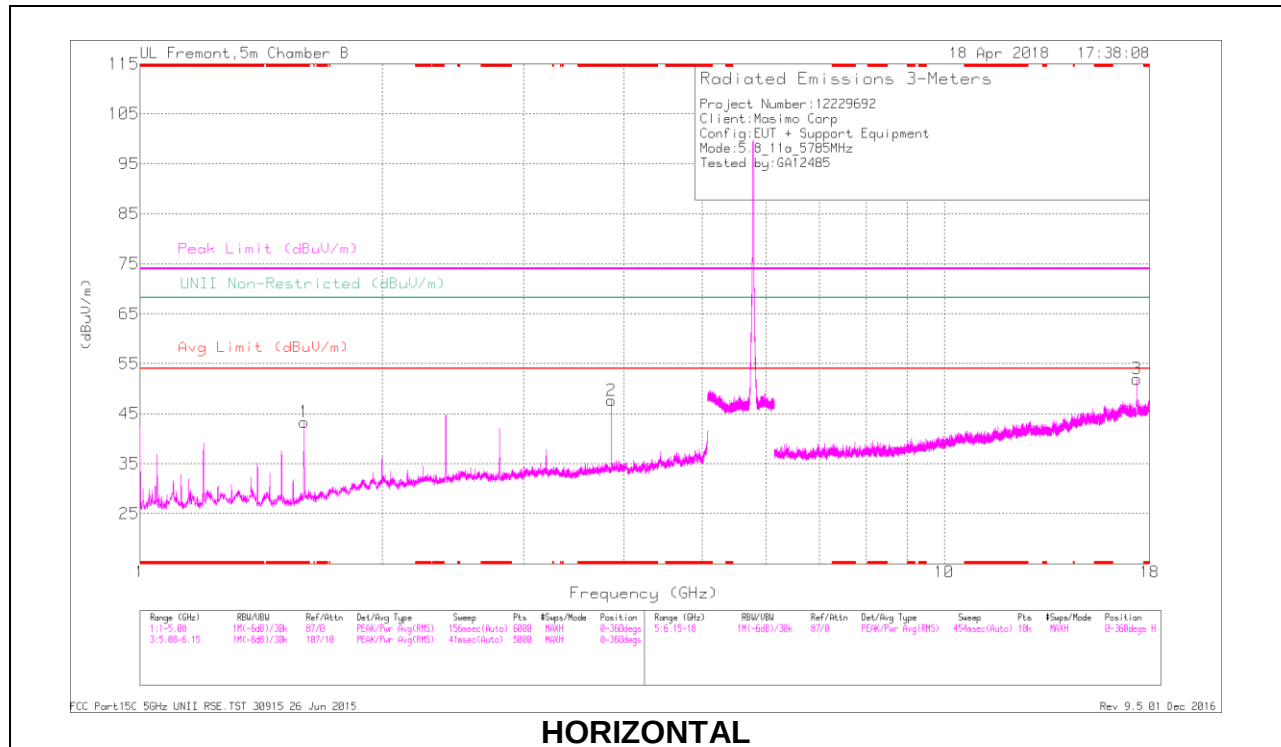
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unfil Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.6	53.73	PK-U	28.3	-33.7	0	48.33	-	-	74	-25.67	-	-	154	147	H
* 1.6	41.35	ADR	28.3	-33.7	.3	36.25	54	-17.75	-	-	-	-	154	147	H
* 2.8	46.95	PK-U	32.4	-32.8	0	46.55	-	-	74	-27.45	-	-	317	127	H
* 2.8	38.49	ADR	32.4	-32.8	.3	38.39	54	-15.61	-	-	-	-	317	127	H
* 3.83	47.83	PK-U	33.5	-32	0	49.33	-	-	74	-24.67	-	-	267	114	H
* 3.83	44.2	ADR	33.5	-32	.3	46	54	-8	-	-	-	-	267	114	H
* 3.83	52.51	PK-U	33.5	-32	0	54.01	-	-	74	-19.99	-	-	259	242	V
* 3.83	49.95	ADR	33.5	-32	.3	51.75	54	-2.25	-	-	-	-	259	242	V
2.4	51.29	PK-U	32	-33.2	0	50.09	-	-	-	-	68.2	-18.11	37	138	H
17.243	40.45	PK-U	41.6	-21.3	0	60.75	-	-	-	-	68.2	-7.45	339	226	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS

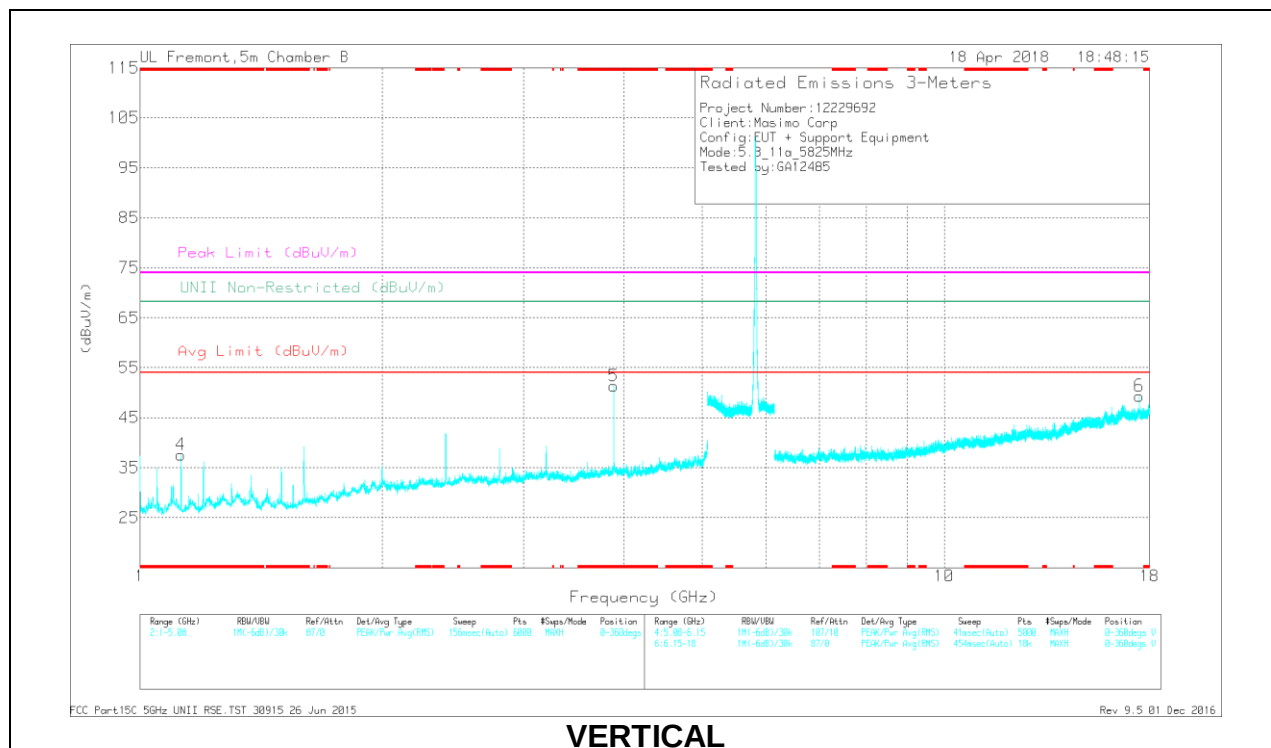
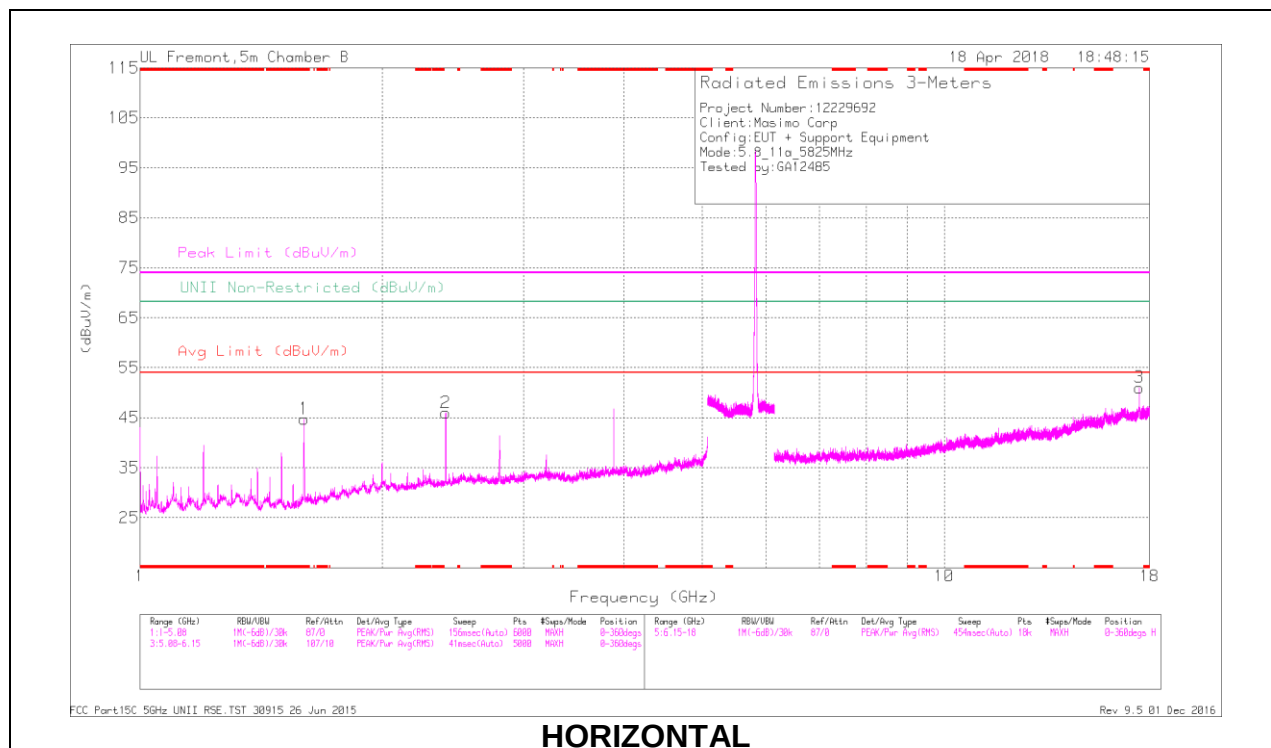


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cable/Fit/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	* 1.6	54.78	PK-U	28.3	-33.7	0	49.38	-	-	74	-24.62	-	-	78	163	H
	* 1.6	42.93	ADR	28.3	-33.7	3	37.83	54	-16.17	-	-	-	-	78	163	H
2	* 3.857	49.23	PK-U	33.5	-31.8	0	50.93	-	-	74	-23.07	-	-	272	102	H
	* 3.857	46.14	ADR	33.5	-31.8	3	46.14	54	-5.86	-	-	-	-	272	102	H
4	* 3.856	40.25	PK-U	33.5	-31.8	0	41.95	-	-	74	-32.05	-	-	272	112	H
	* 3.856	28.33	ADR	33.5	-31.8	3	30.33	54	-23.67	-	-	-	-	272	112	H
5	* 3.858	40.13	PK-U	33.5	-31.8	0	41.83	-	-	74	-32.17	-	-	145	292	V
	* 3.858	28.32	ADR	33.5	-31.8	3	30.32	54	-23.68	-	-	-	-	145	292	V
3	17.355	32.93	PK-U	41.6	-21.2	0	53.33	-	-	-	-	68.2	-14.87	14	170	H
6	17.355	31.92	PK-U	41.6	-21.2	0	52.32	-	-	-	-	68.2	-15.88	19	299	V

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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cable/Fit/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	* 1.6	54.91	PK-U	28.3	-33.7	0	49.51	-	-	74	-24.49	-	-	70	152	H
	* 1.6	42.99	ADR	28.3	-33.7	3	37.89	54	-16.11	-	-	-	-	70	152	H
4	* 1.125	47.29	PK-U	27.6	-34.5	0	40.39	-	-	74	-33.61	-	-	66	105	V
	* 1.125	42.98	ADR	27.6	-34.5	3	36.39	54	-17.61	-	-	-	-	66	105	V
5	* 3.883	53.52	PK-U	33.5	-31.4	0	55.62	-	-	74	-18.38	-	-	261	238	V
	* 3.883	51	ADR	33.5	-31.4	3	53.4	54	-6	-	-	-	-	261	238	V
2	2.4	50.98	PK-U	32	-33.2	0	49.78	-	-	-	-	68.2	-18.42	37	161	H
6	17.477	37.11	PK-U	41.7	-20.8	0	58.01	-	-	-	-	68.2	-10.19	328	102	H
3	17.477	38	PK-U	41.7	-20.8	0	58.9	-	-	-	-	68.2	-9.3	286	318	V

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

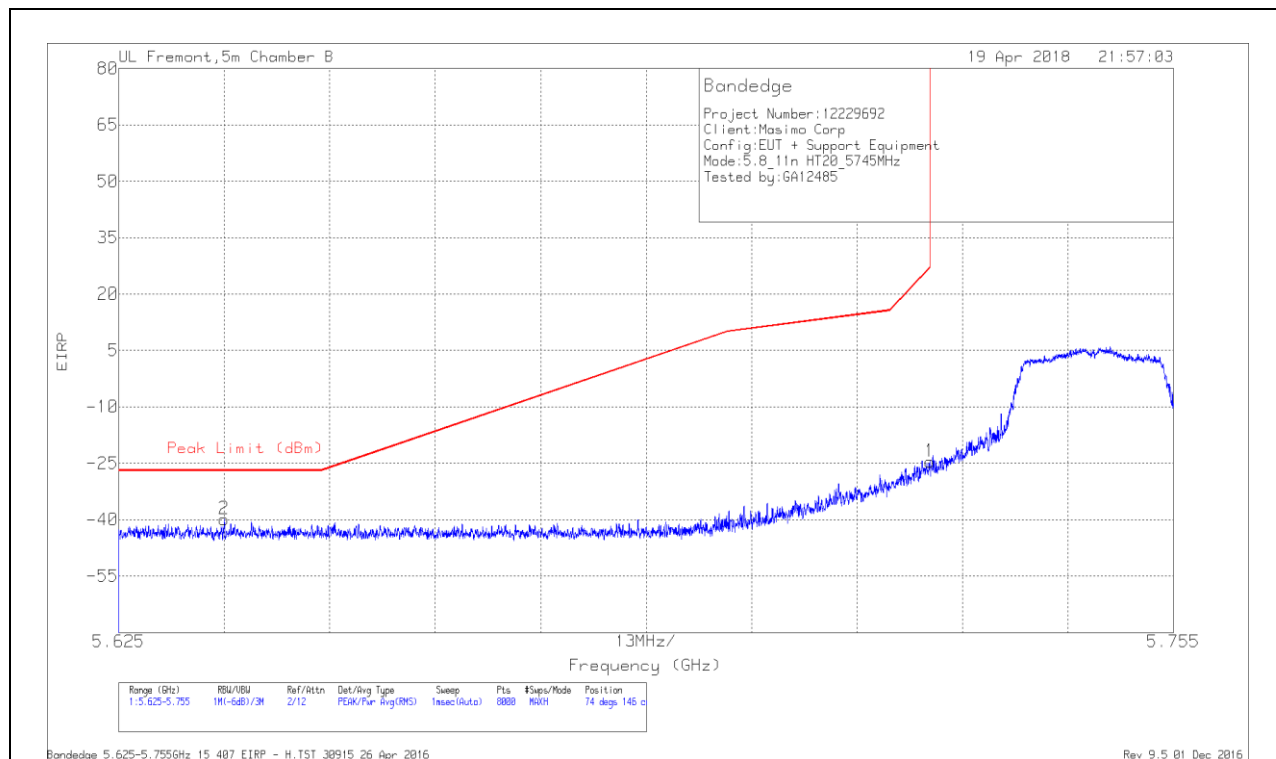
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

BANDEDGE (LOW CHANNEL)

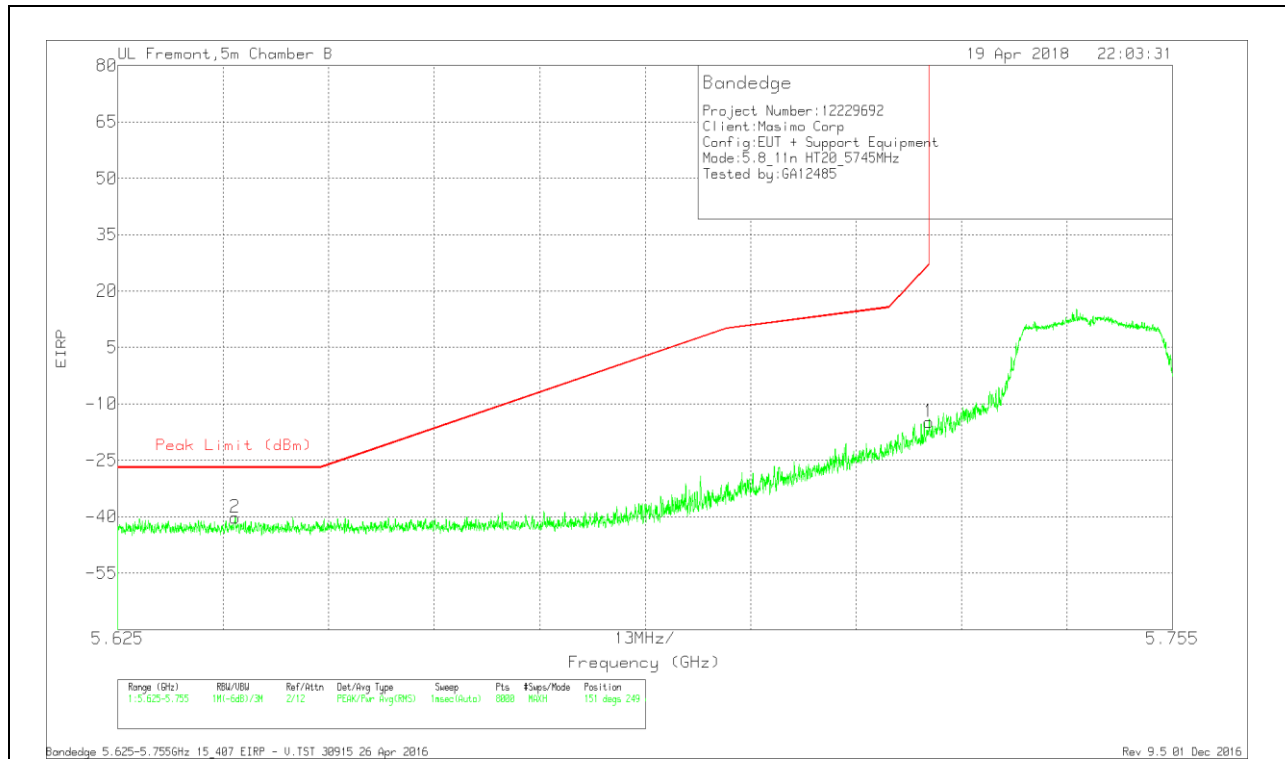
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT863 (dBm)	Amp/Cbl/Ftr/ Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.638	-66.81	Pk	35.3	-20.1	11.8	0	-39.81	-27	-12.81	74	146	H
1	5.725	-51.35	Pk	35	-20	11.8	0	-24.55	27	-51.55	74	146	H

Pk - Peak detector

VERTICAL RESULT

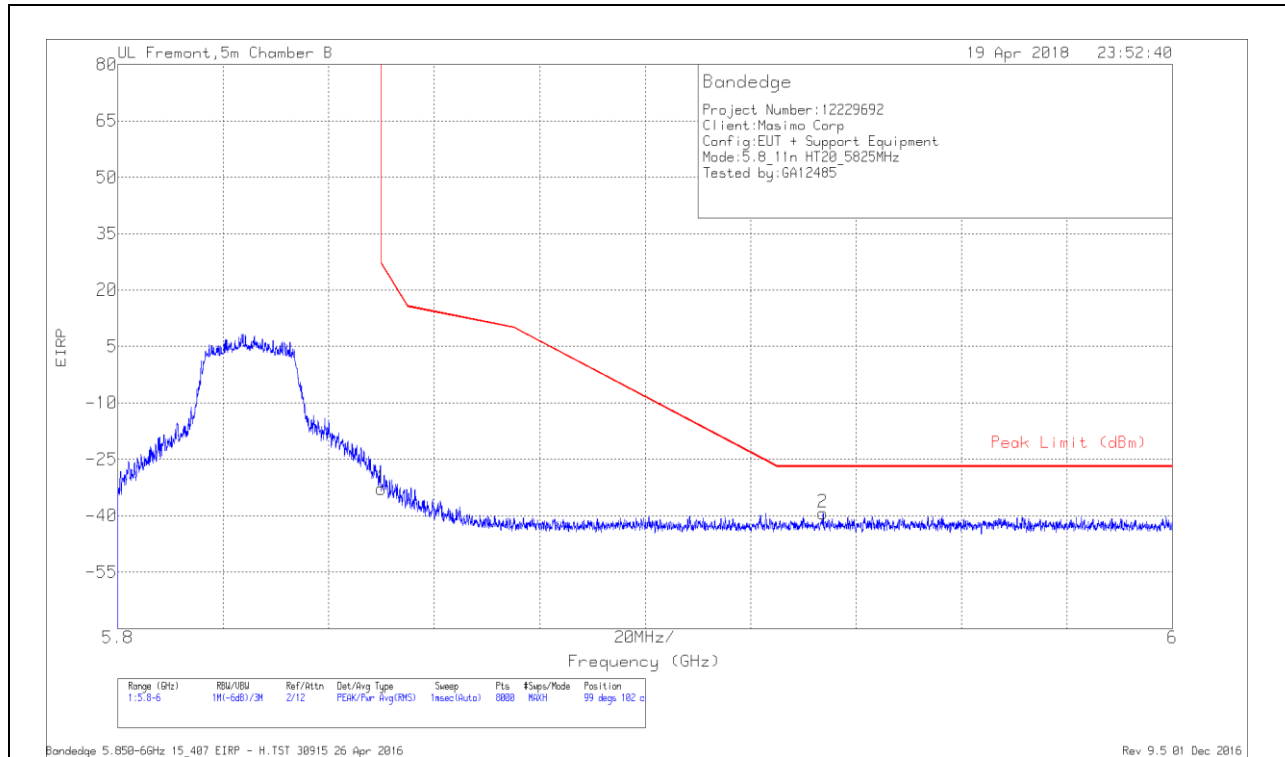


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/ Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.639	-67.2	Pk	35.3	-20.1	11.8	0	-40.2	-27	-13.2	151	249	V
1	5.725	-41.68	Pk	35	-20	11.8	0	-14.88	27	-41.88	151	249	V

Pk - Peak detector

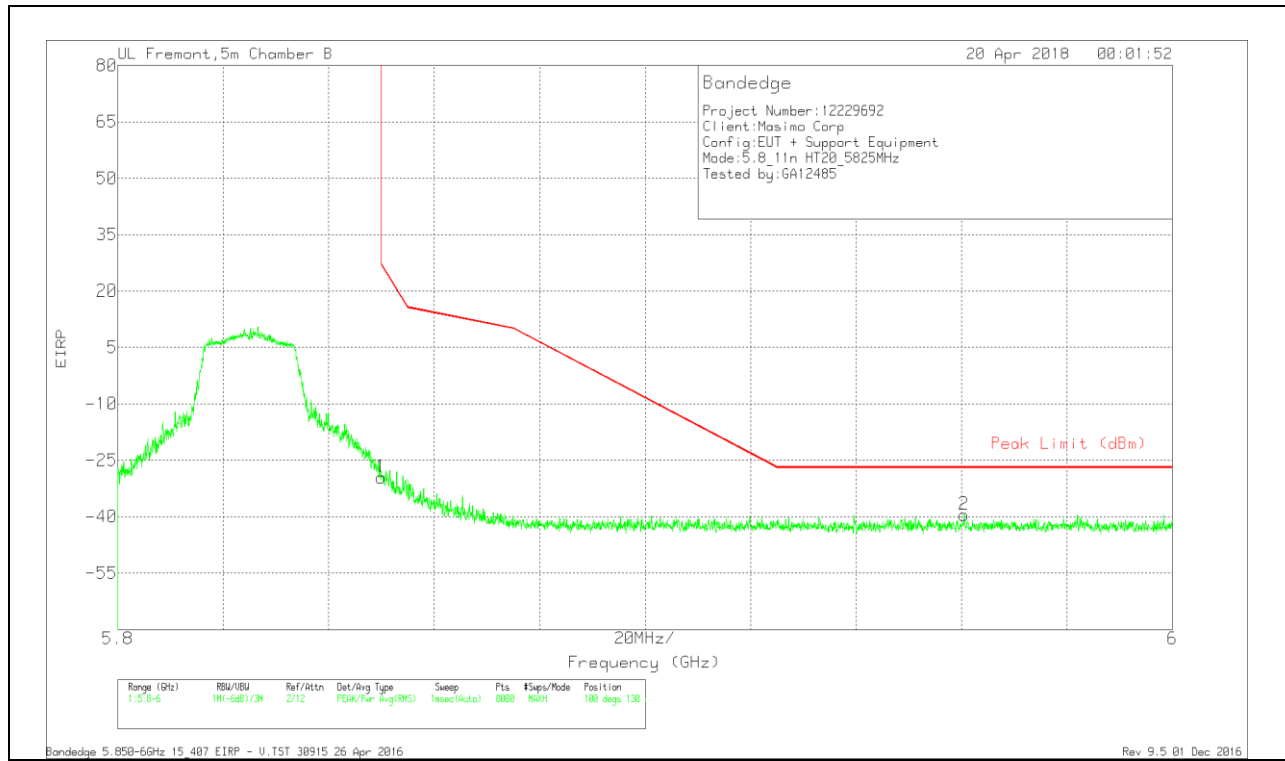
BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Pk - Peak detector

VERTICAL RESULT

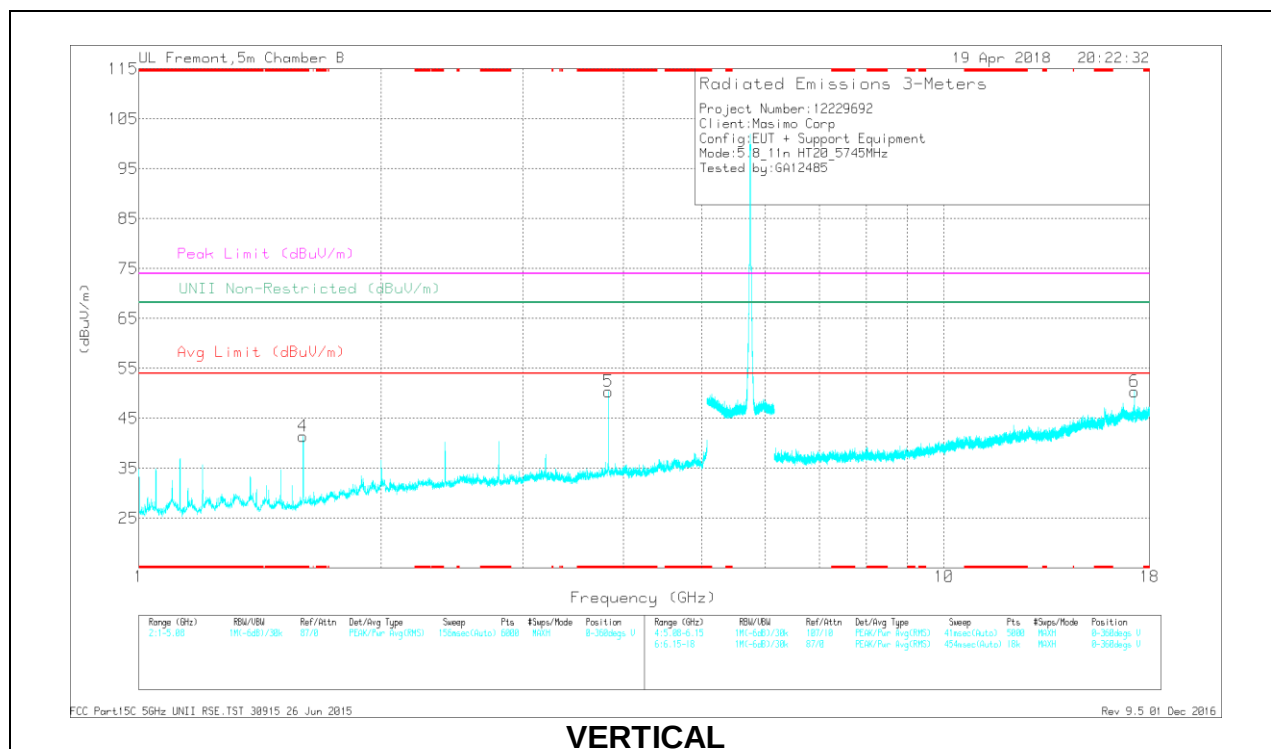
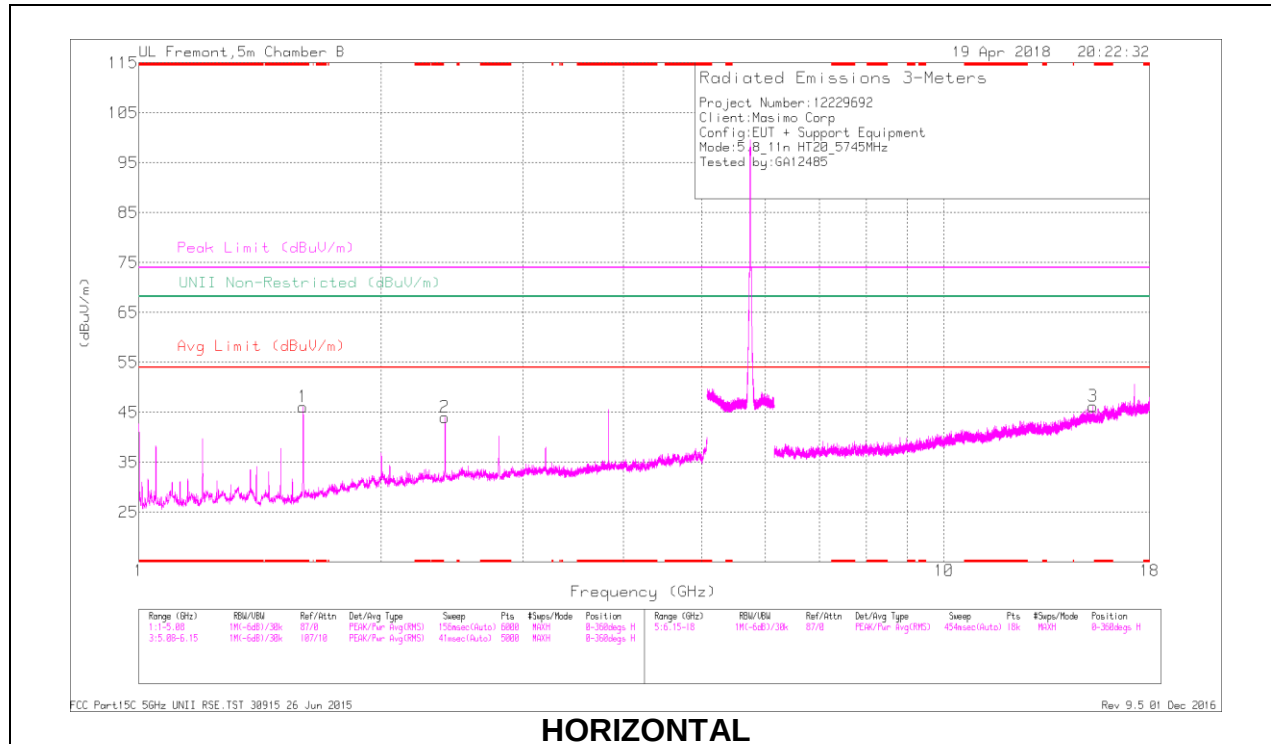


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/ Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-56.54	Pk	35.1	-20	11.8	0	-29.64	26.99	-56.63	100	130	V
2	5.961	-66.87	Pk	35.2	-19.6	11.8	0	-39.47	-27	-12.47	100	130	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

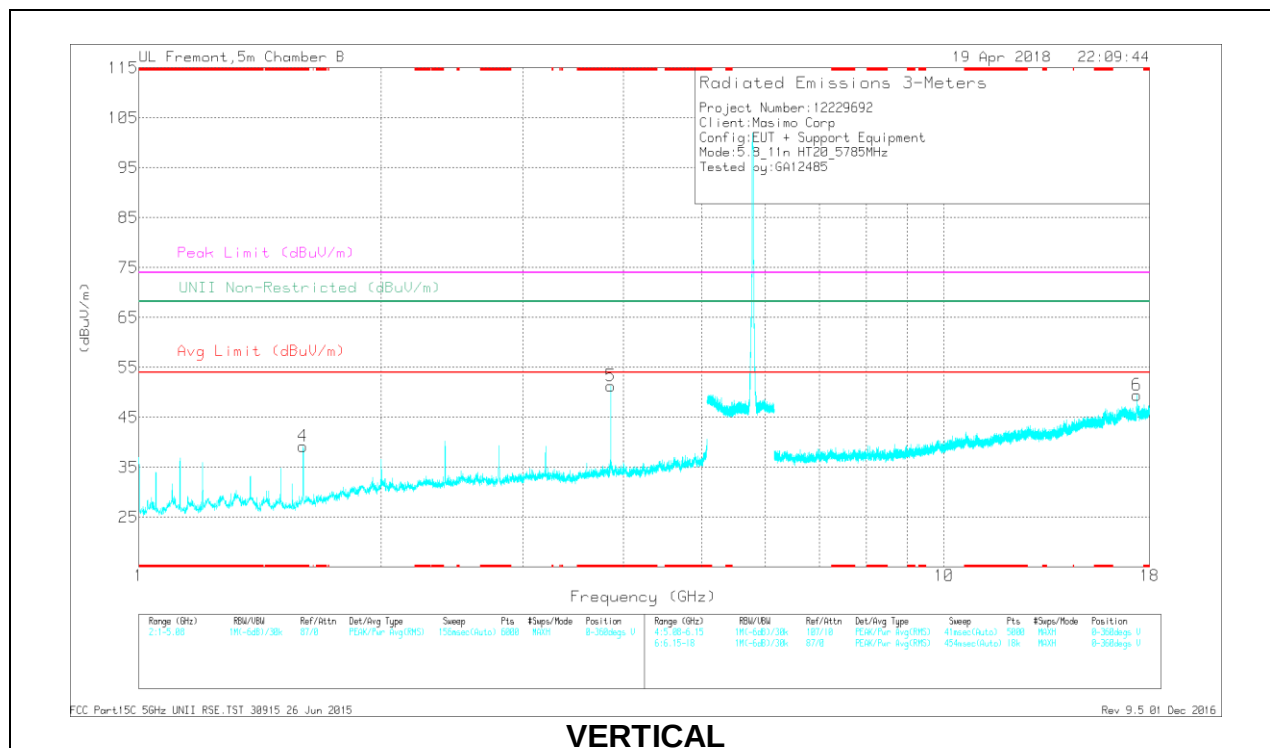
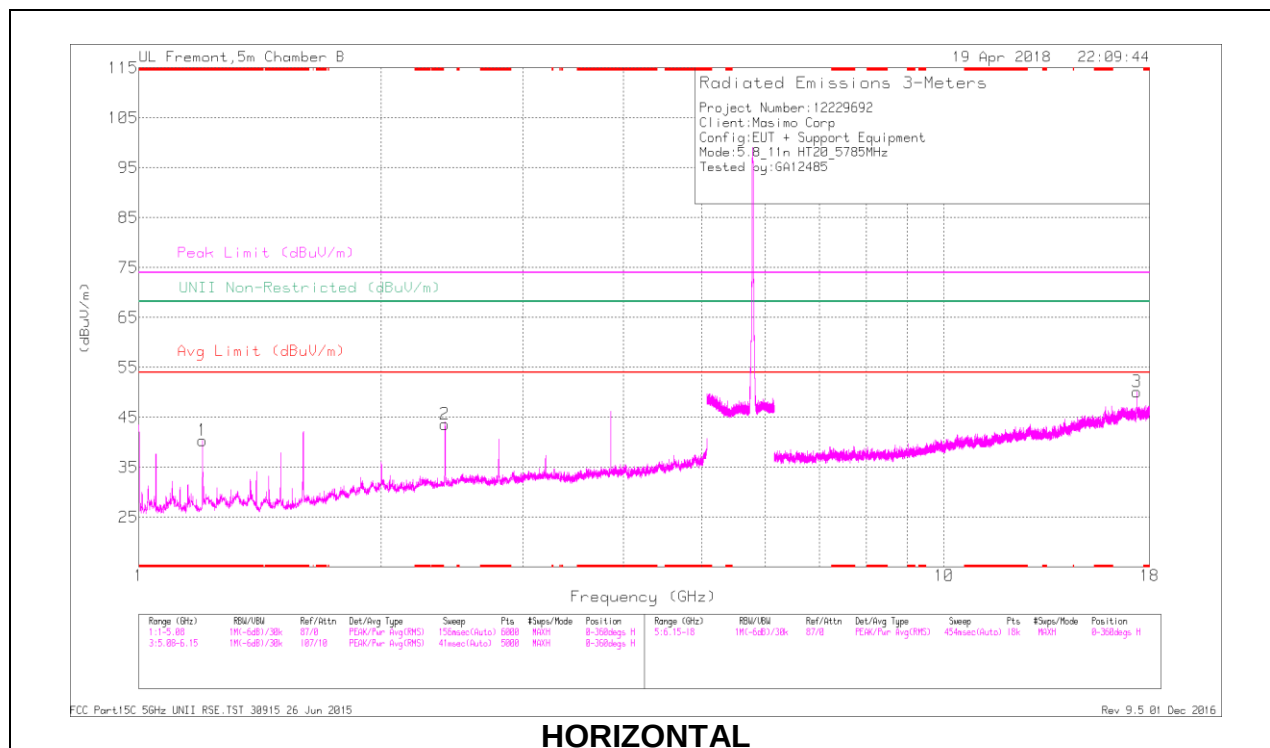
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cable/Fit/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.599	40.85	PK-U	28.3	-33.7	0	35.45	-	-	74	-38.55	-	-	354	129	H
	* 1.598	29.01	ADR	28.3	-33.7	32	23.93	54	-30.07	-	-	-	-	354	129	H
4	* 1.598	41.09	PK-U	28.3	-33.7	0	35.69	-	-	74	-38.31	-	-	278	196	V
	* 1.598	28.98	ADR	28.3	-33.7	32	23.91	54	-30.09	-	-	-	-	278	196	V
5	* 3.829	40.51	PK-U	33.5	-32	0	42.01	-	-	74	-31.99	-	-	63	312	V
	* 3.832	28.15	ADR	33.5	-32	32	29.97	54	-24.03	-	-	-	-	63	312	V
2	2.401	40.69	PK-U	32	-33.2	0	39.49	-	-	-	-	68.2	-28.71	273	369	H
3	15.299	32.46	PK-U	40.6	-22	0	51.06	-	-	-	-	68.2	-17.14	301	258	H
6	17.238	32.21	PK-U	41.6	-21.3	0	52.51	-	-	-	-	68.2	-15.69	283	317	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



RADIATED EMISSIONS

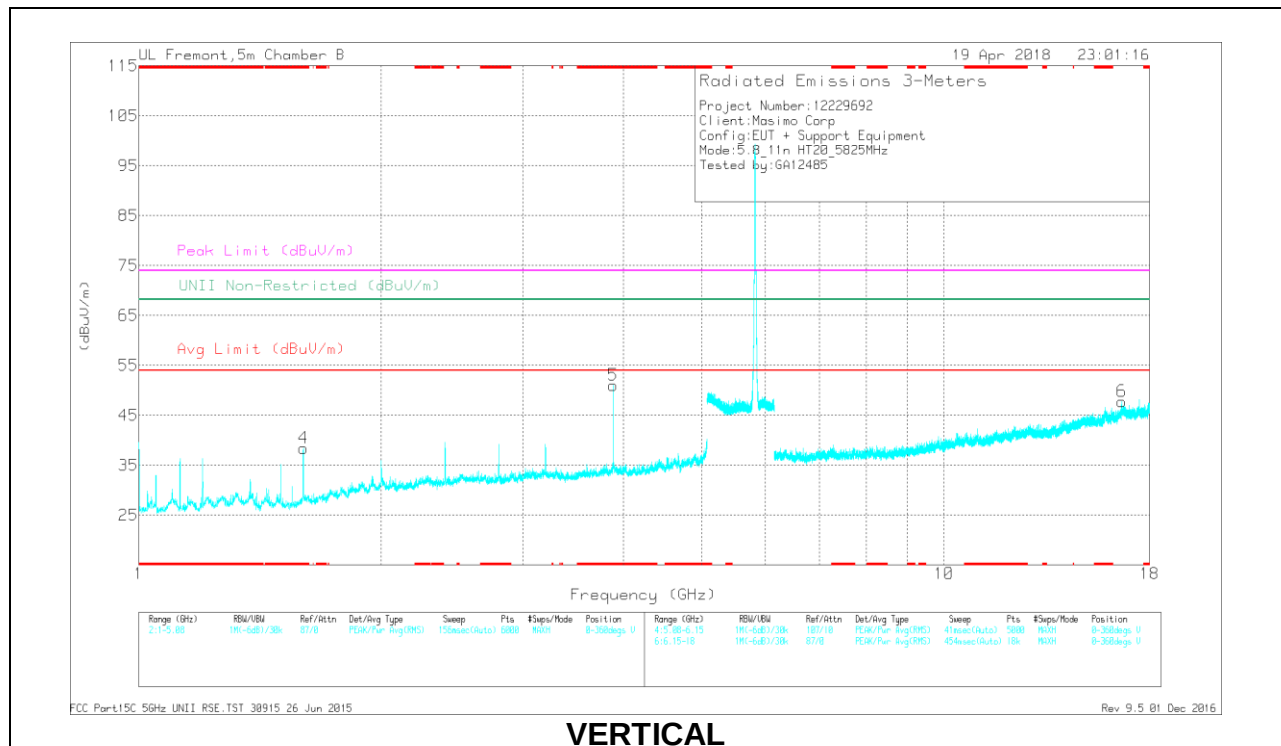
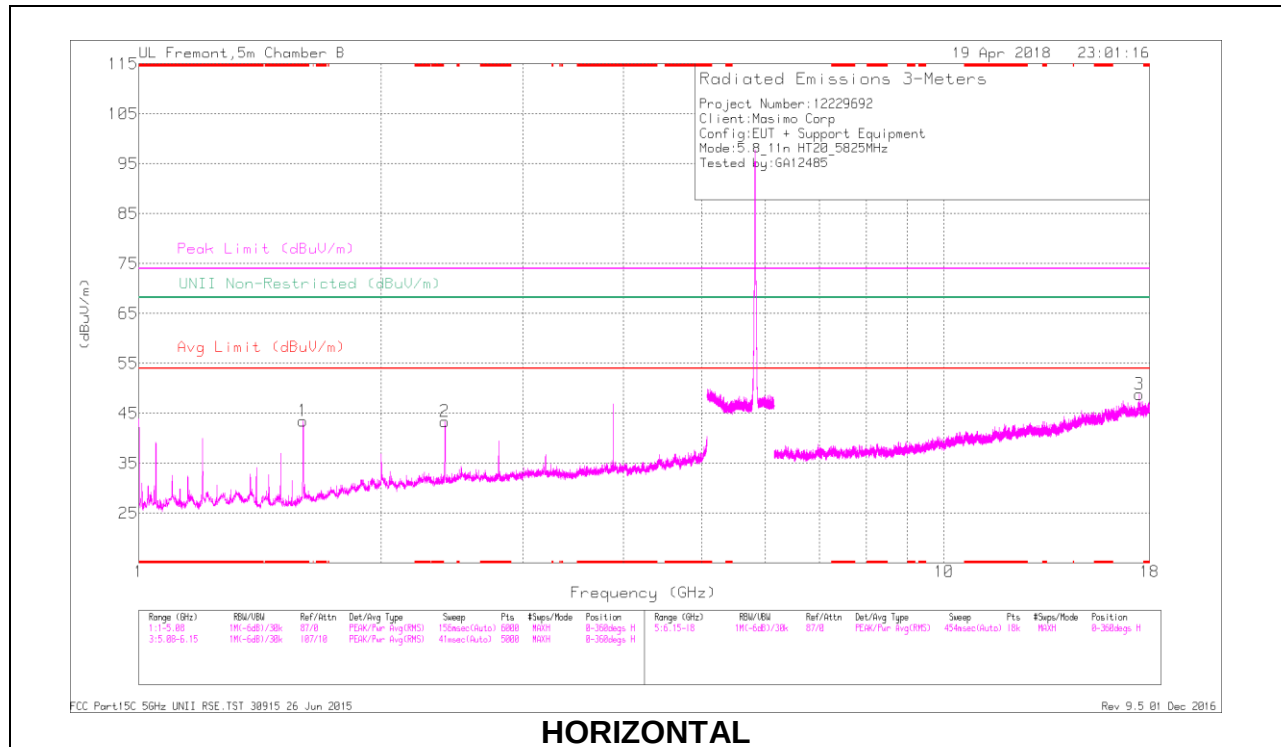
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cable/Fit/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.2	49.54	PK-U	28	-34.7	0	42.84	-	-	74	-31.16	-	-	158	157	H
	* 1.2	44.26	ADR	28	-34.7	32	37.88	54	-16.12	-	-	-	-	158	157	H
4	* 1.6	53.12	PK-U	28.3	-33.7	0	47.72	-	-	74	-26.28	-	-	244	293	V
	* 1.6	40.11	ADR	28.3	-33.7	32	35.03	54	-18.97	-	-	-	-	244	293	V
5	* 3.857	52.71	PK-U	33.5	-31.8	0	54.41	-	-	74	-19.59	-	-	76	242	V
	* 3.857	50.11	ADR	33.5	-31.8	32	52.13	54	-1.87	-	-	-	-	76	242	V
2	2.4	50.12	PK-U	32	-33.1	0	49.02	-	-	-	-	68.2	-19.18	288	221	H
6	17.356	38.89	PK-U	41.6	-21.2	0	59.29	-	-	-	-	68.2	-8.91	175	171	H
3	17.356	40.03	PK-U	41.6	-21.2	0	60.43	-	-	-	-	68.2	-7.77	103	286	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cable/Fit/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	* 1.6	53.14	PK-U	28.3	-33.7	0	47.74	-	-	74	-26.26	-	-	346	286	H
	* 1.6	40.1	ADR	28.3	-33.7	32	35.02	54	-18.98	-	-	-	-	346	286	H
4	* 1.6	49.73	PK-U	28.3	-33.7	0	44.33	-	-	74	-29.67	-	-	81	111	V
	* 1.6	39.61	ADR	28.3	-33.7	32	34.53	54	-19.47	-	-	-	-	81	111	V
5	* 3.883	52.49	PK-U	33.5	-31.4	0	54.59	-	-	74	-19.41	-	-	70	188	V
	* 3.883	49.95	ADR	33.5	-31.4	32	52.37	54	-1.63	-	-	-	-	70	188	V
2	2.4	49.93	PK-U	32	-33.2	0	48.73	-	-	-	-	68.2	-19.47	207	141	H
6	16.635	31.83	PK-U	42.1	-21.2	0	52.73	-	-	-	-	68.2	-15.47	198	400	V
3	17.478	35.74	PK-U	41.7	-20.8	0	56.64	-	-	-	-	68.2	-11.56	155	400	H

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

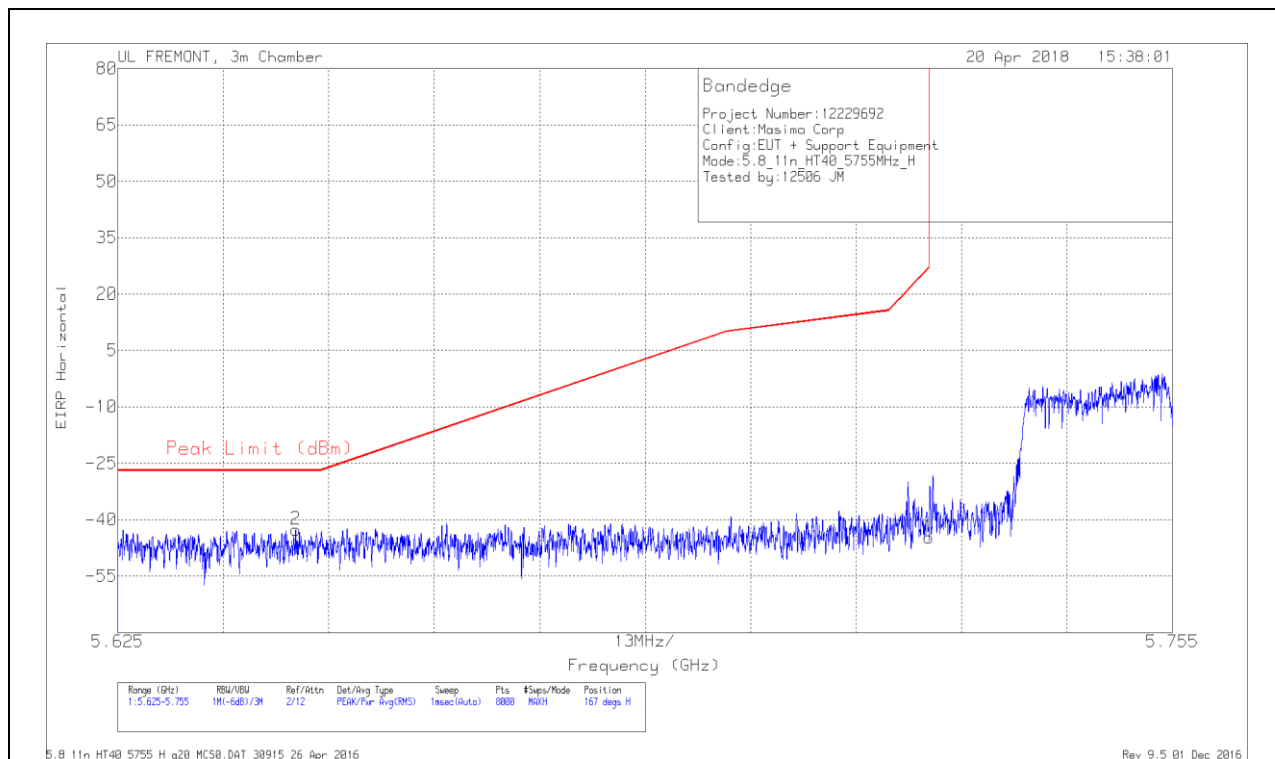
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

BANDEDGE (LOW CHANNEL)

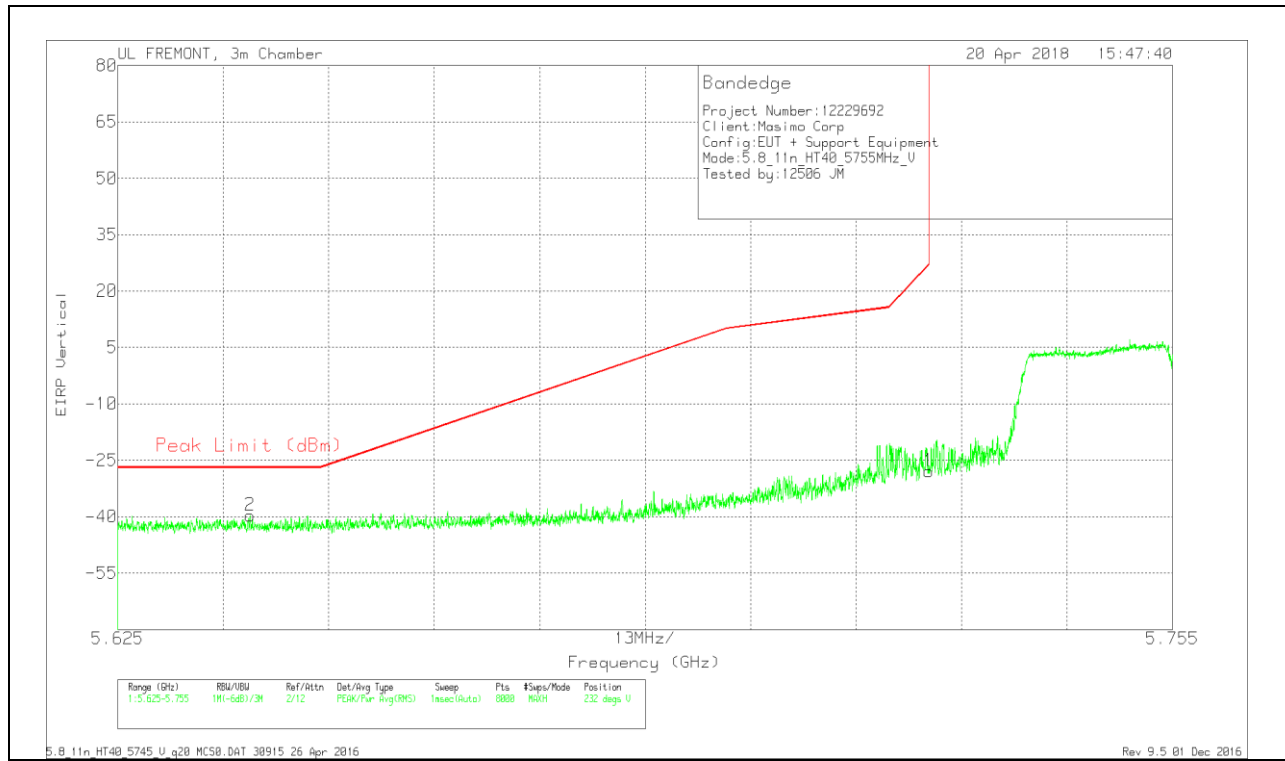
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.647	-69.05	Pk	34.8	-20.2	11.8	-42.65	-27	-15.65	167	172	H
1	5.725	-71.53	Pk	34.9	-19.9	11.8	-44.73	27	-71.73	167	172	H

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

VERTICAL RESULT

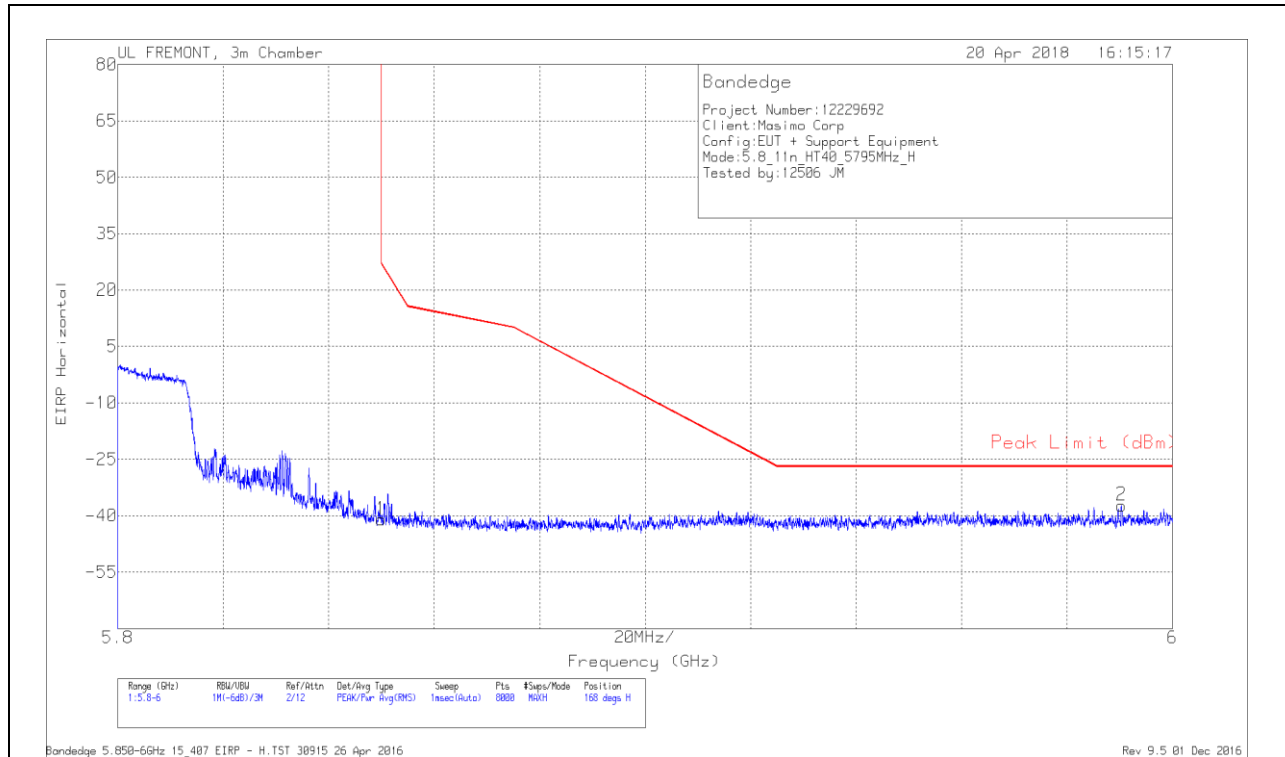


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.641	-66.26	Pk	34.8	-20.1	11.8	-39.76	-27	-12.76	232	208	V
1	5.725	-54.7	Pk	34.9	-19.9	11.8	-27.9	27	-54.9	232	208	V

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

BANDEGE (HIGH CHANNEL)

HORIZONTAL RESULT

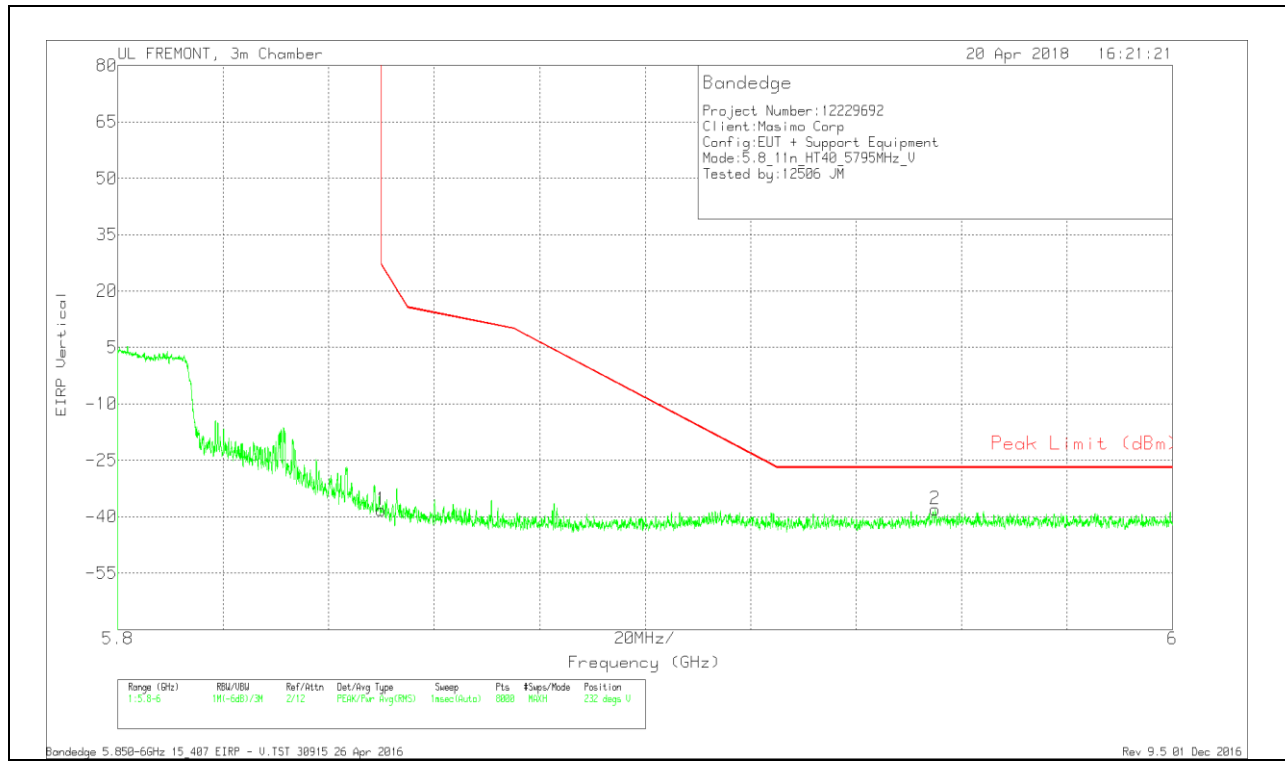


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.17	Pk	35.1	-20.7	11.8	-40.97	26.99	-67.96	168	231	H
2	5.99	-63.91	Pk	35.3	-20.4	11.8	-37.21	-27	-10.21	168	231	H

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

Pk - Peak detector

VERTICAL RESULT

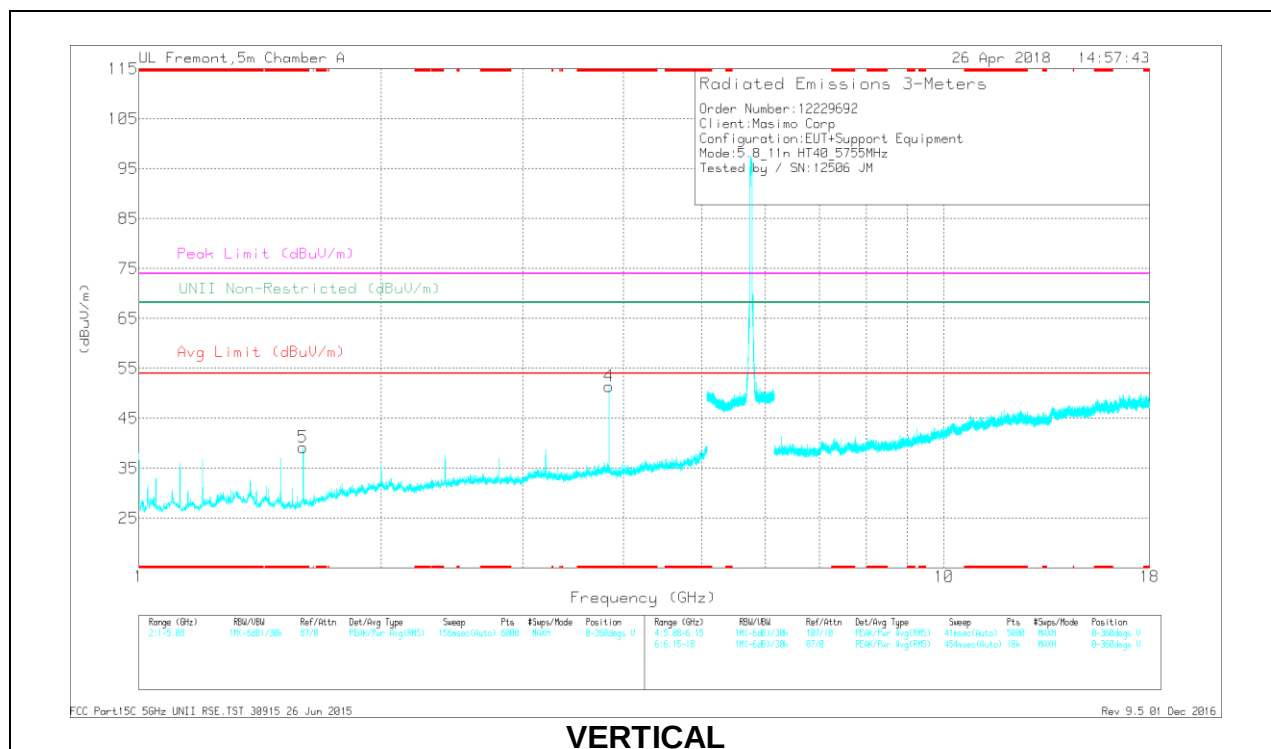
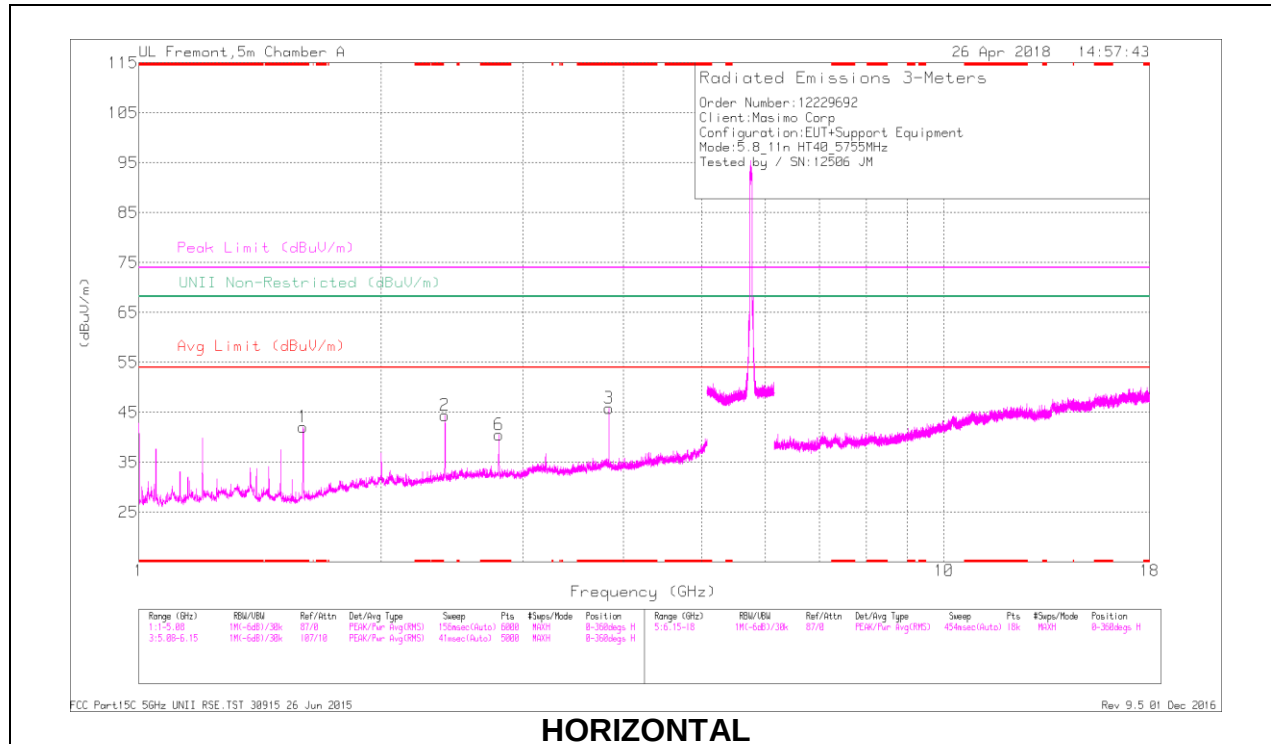


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.45	Pk	35.1	-20.7	11.8	-38.25	26.99	-65.24	232	228	V
2	5.955	-65.59	Pk	35.3	-19.6	11.8	-38.09	-27	-11.09	232	228	V

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

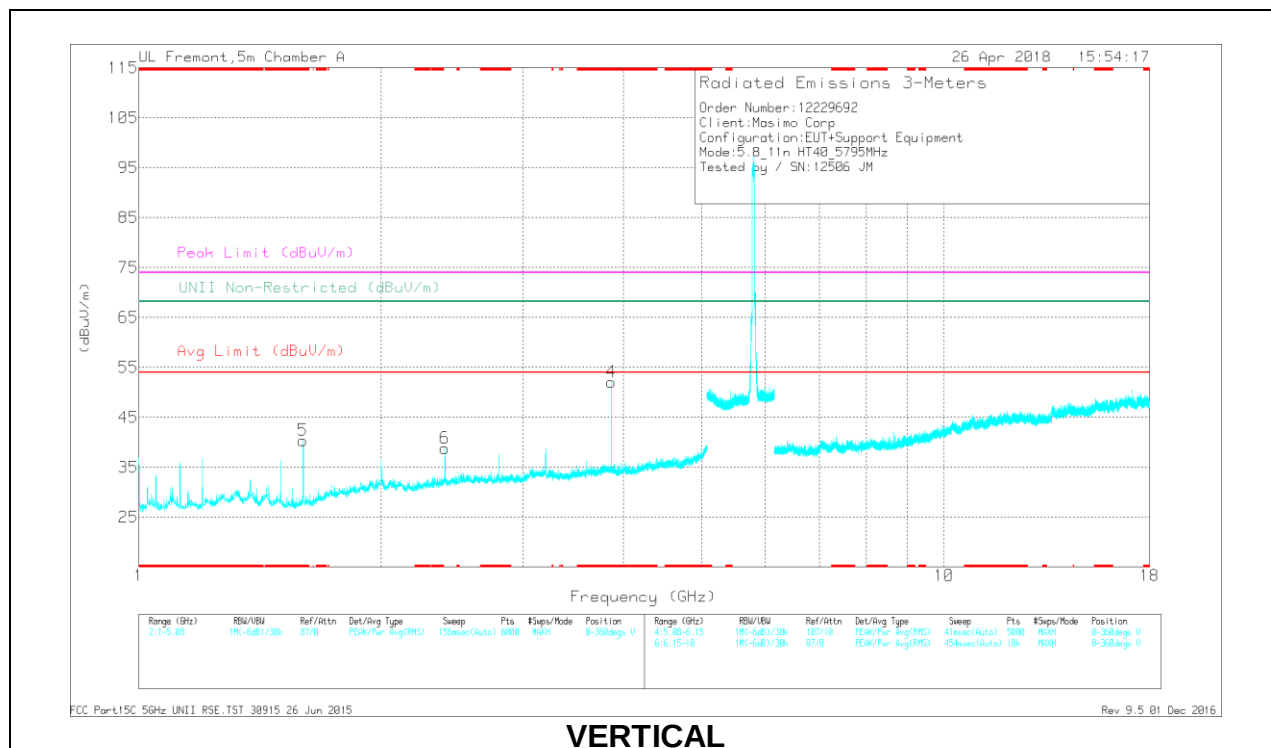
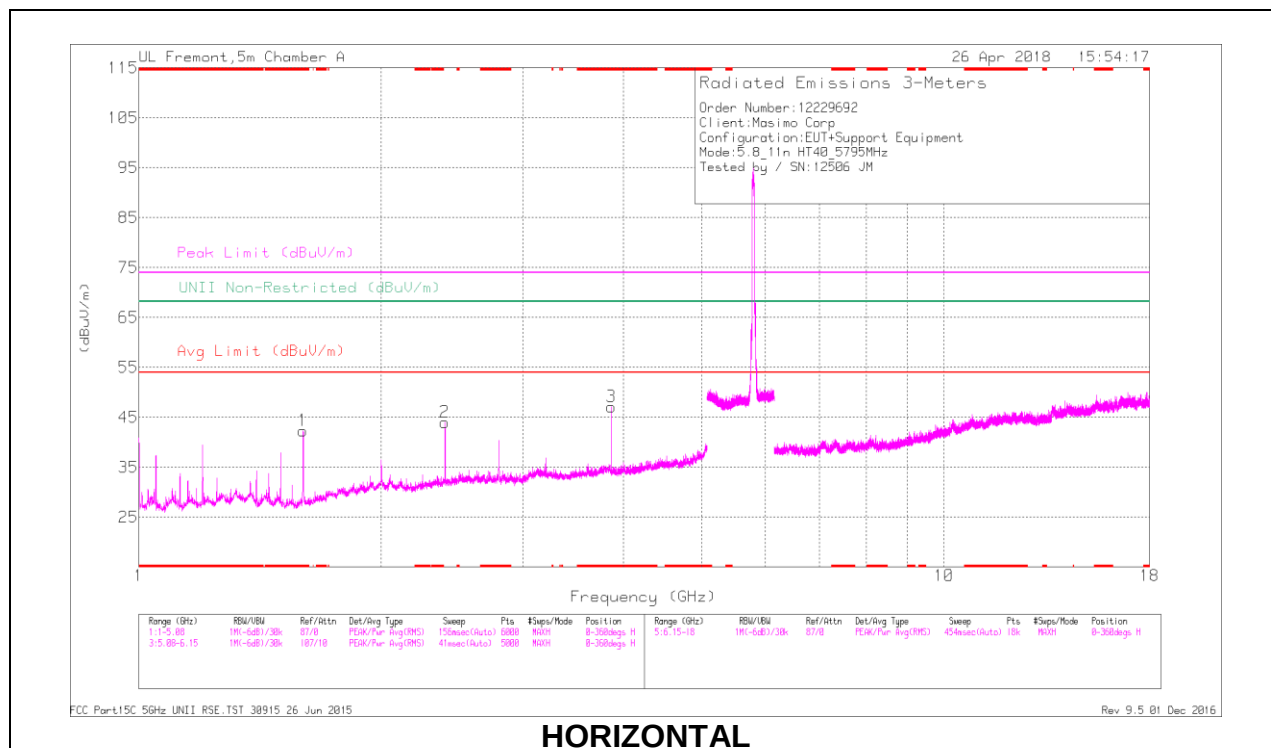
Frequency (GHz)	Meas Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unlit Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.6	52.7	PK-U	28.2	-31.8	0	49.1	-	-	74	-24.9	-	-	257	127	H
* 1.6	39.35	ADR	28.2	-31.8	.62	36.37	54	-17.63	-	-	-	-	257	127	H
* 3.837	44.43	PK-U	33	-28.3	0	49.13	-	-	74	-24.87	-	-	7	111	H
* 3.837	40.84	ADR	33	-28.3	.62	46.16	54	-7.84	-	-	-	-	7	111	H
* 2.8	43.78	PK-U	32.2	-29.9	0	46.08	-	-	74	-27.92	-	-	49	127	H
* 2.8	35.32	ADR	32.2	-29.9	.62	38.24	54	-15.76	-	-	-	-	49	127	H
* 3.837	49.87	PK-U	33	-28.3	0	54.57	-	-	74	-19.43	-	-	351	204	V
* 3.837	47.12	ADR	33	-28.3	.62	52.44	54	-1.56	-	-	-	-	351	204	V
* 1.6	48.61	PK-U	28.2	-31.8	0	45.01	-	-	74	-28.99	-	-	359	107	V
* 1.6	37.77	ADR	28.2	-31.8	.62	34.79	54	-19.21	-	-	-	-	359	107	V
2.399	46.9	PK-U	31.8	-30.3	0	48.4	-	-	-	-	68.2	-19.8	128	197	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

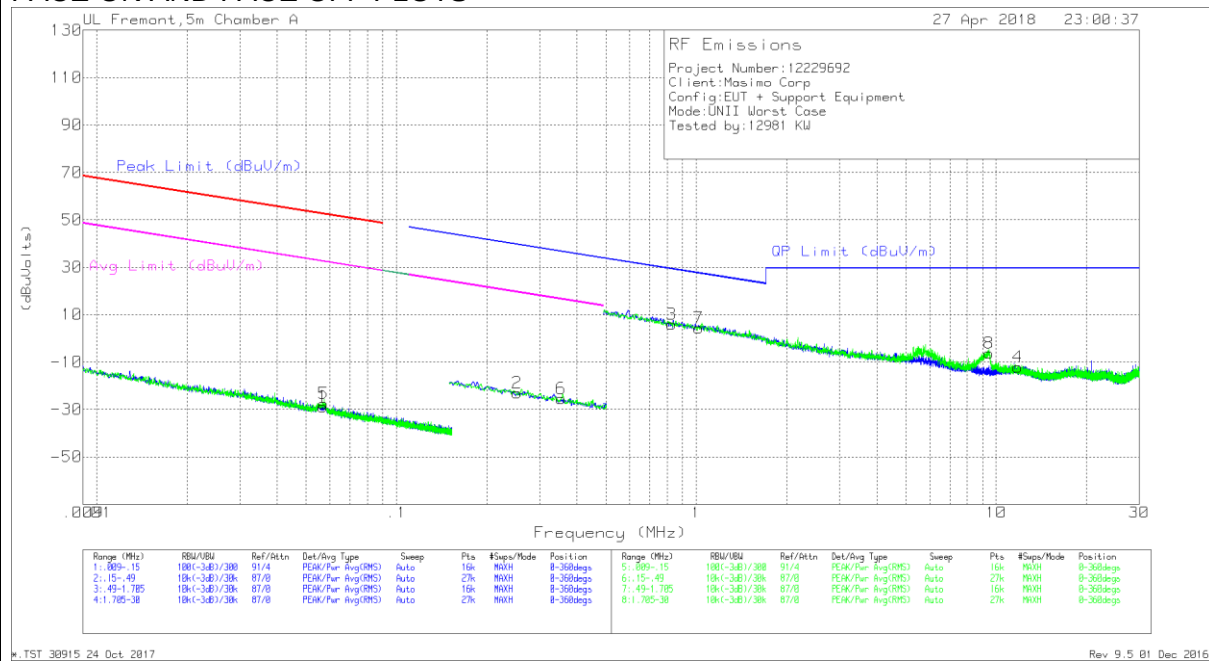
Frequency (GHz)	Meas Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cable/Port Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unfil Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (cm)	Polarity
* 1.6	52.71	PK-U	28.2	-31.8	0	49.11	-	-	74	-24.89	-	-	251	145	H
* 1.6	39.72	ADR	28.2	-31.8	62	36.74	54	-17.26	-	-	-	-	251	145	H
* 3.863	45.63	PK-U	33	-28.5	0	50.33	-	-	74	-23.67	-	-	7	103	H
* 3.863	42.52	ADR	33	-28.5	62	47.64	54	-6.36	-	-	-	-	7	103	H
* 3.863	50.43	PK-U	33	-28.5	0	54.93	-	-	74	-19.07	-	-	360	203	V
* 3.863	47.99	ADR	33	-28.5	62	53.11	54	-8.89	-	-	-	-	360	203	V
* 1.6	49.1	PK-U	28.2	-31.8	0	45.5	-	-	74	-28.5	-	-	25	105	V
* 1.6	38.48	ADR	28.2	-31.8	62	35.5	54	-18.5	-	-	-	-	25	105	V
2.399	43.63	PK-U	31.8	-30.3	0	45.33	-	-	-	-	68.2	-22.67	25	234	V
2.4	47.39	PK-U	31.8	-30.3	0	48.69	-	-	-	-	68.2	-19.31	209	201	H

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

9.2. WORST-CASE BELOW 30 MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)

FACE ON AND FACE OFF PLOTS



NOTE: KDB 414788 Open Field Site and Chamber Correlation Justification

- Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.
- Open field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

Trace Markers

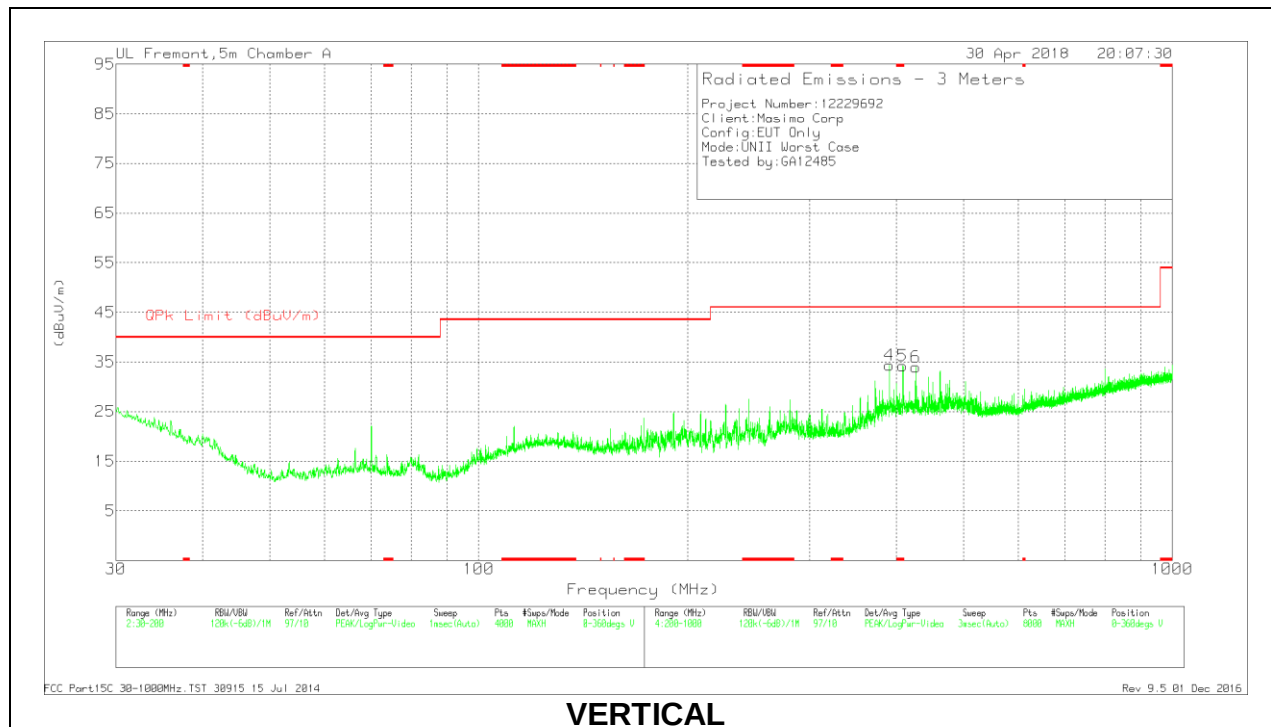
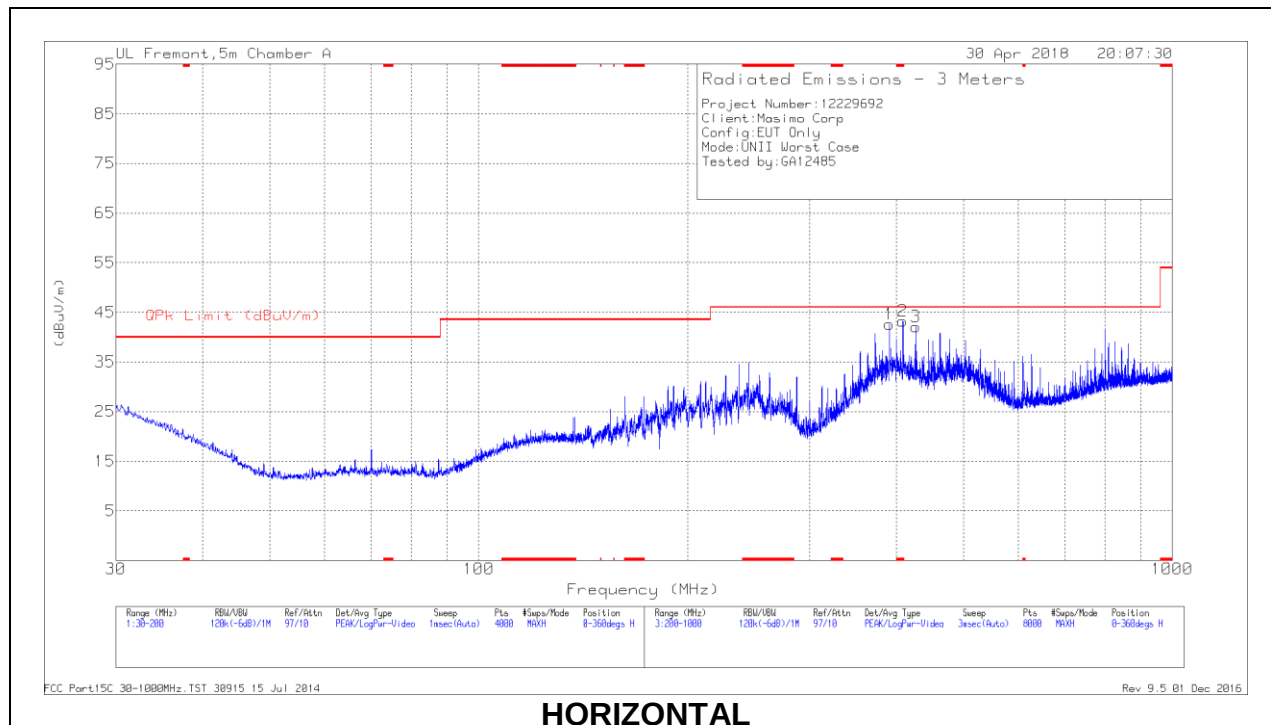
Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m	Corrected Reading (dBUVVolts)	Peak Limit (dBUV/m)	Margin (dB)	Avg Limit (dBUV/m)	Margin (dB)	Azimuth (Degs)
1	.05684	36.72	Pk	14.4	.1	-80	-28.78	52.49	-81.27	32.49	-61.27	0-360
5	.05712	37.98	Pk	14.4	.1	-80	-27.52	52.45	-79.97	32.45	-59.97	0-360
2	.2528	43.02	Pk	13.8	.1	-80	-23.08	39.56	-62.64	19.56	-42.64	0-360
6	.35393	40.7	Pk	13.8	.1	-80	-25.4	36.63	-62.03	16.63	-42.03	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 30m	Corrected Reading (dBUVVolts)	QP Limit (dBUV/m)	Margin (dB)	Azimuth (Degs)
3	.82805	31.92	Pk	14	.1	-40	6.02	29.26	-23.24	0-360
7	1.01839	29.89	Pk	14.3	.2	-40	4.39	27.46	-23.07	0-360
8	9.46544	18.63	Pk	14.5	.5	-40	-6.37	29.5	-35.87	0-360
4	11.80667	12.76	Pk	14.7	.5	-40	-12.04	29.5	-41.54	0-360

Pk - Peak detector

9.3. Worst Case Below 1 GHz



Below 1GHz DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 408.9272	48.2	Pk	20	-25	43.2	46.02	-2.82	0-360	101	H
5	* 408.9272	39.21	Pk	20	-25	34.21	46.02	-11.81	0-360	300	V
4	390.9248	40.17	Pk	19.2	-25	34.37	46.02	-11.65	0-360	300	V
1	391.0248	48.42	Pk	19.2	-25	42.62	46.02	-3.4	0-360	101	H
3	427.0295	46.75	Pk	20.5	-25.1	42.15	46.02	-3.87	0-360	101	H
6	427.0295	38.54	Pk	20.5	-25.1	33.94	46.02	-12.08	0-360	200	V

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

Pk - Peak detector

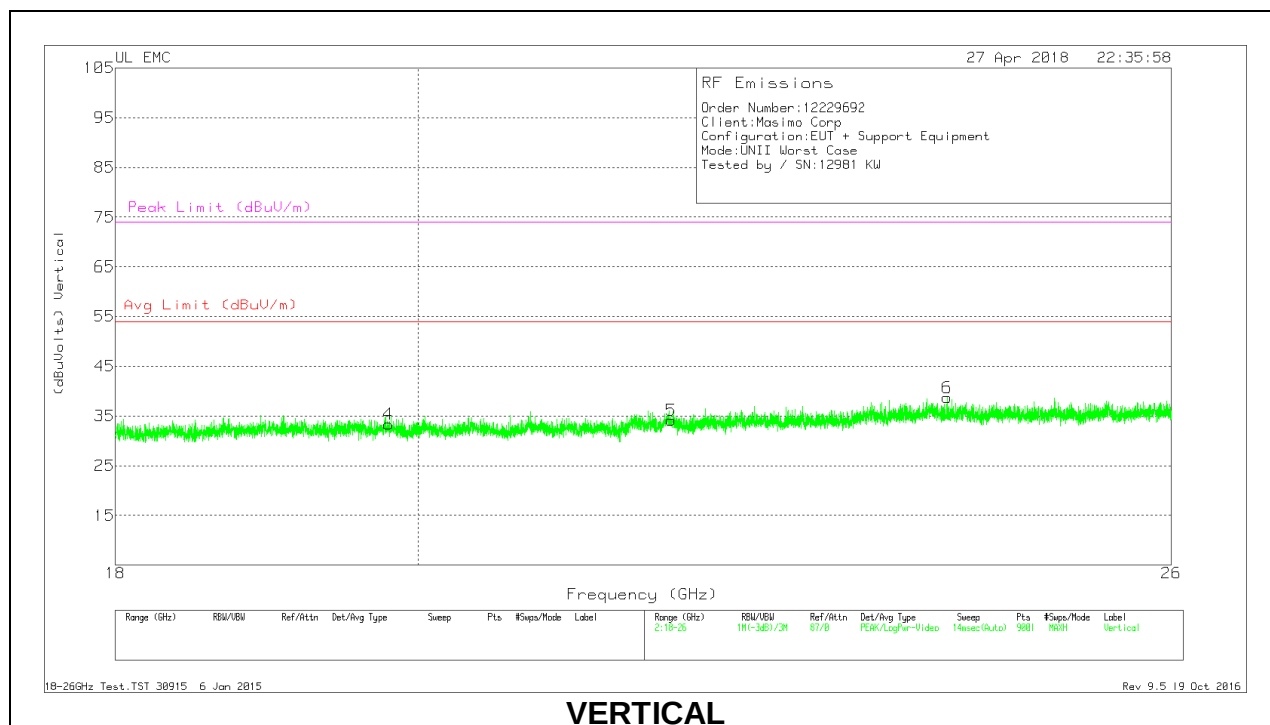
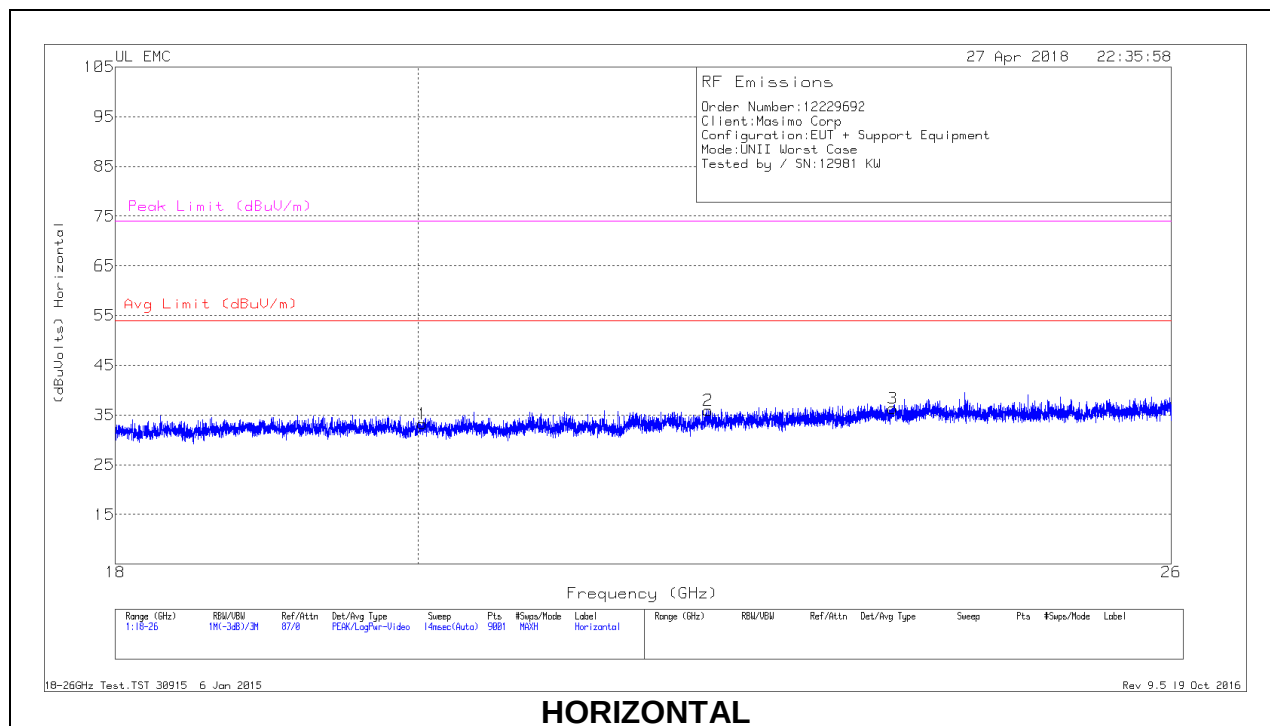
Radiated Emissions

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 408.9939	47.14	Qp	20	-25	42.46	46.02	-3.88	155	102	H
390.9893	47.03	Qp	19.2	-25	41.23	46.02	-4.79	125	102	H
427.0281	45.33	Qp	20.5	-25.1	40.73	46.02	-4.29	157	231	H

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

Qp - Quasi-Peak detector

9.4. Worst Case 18-26 GHz



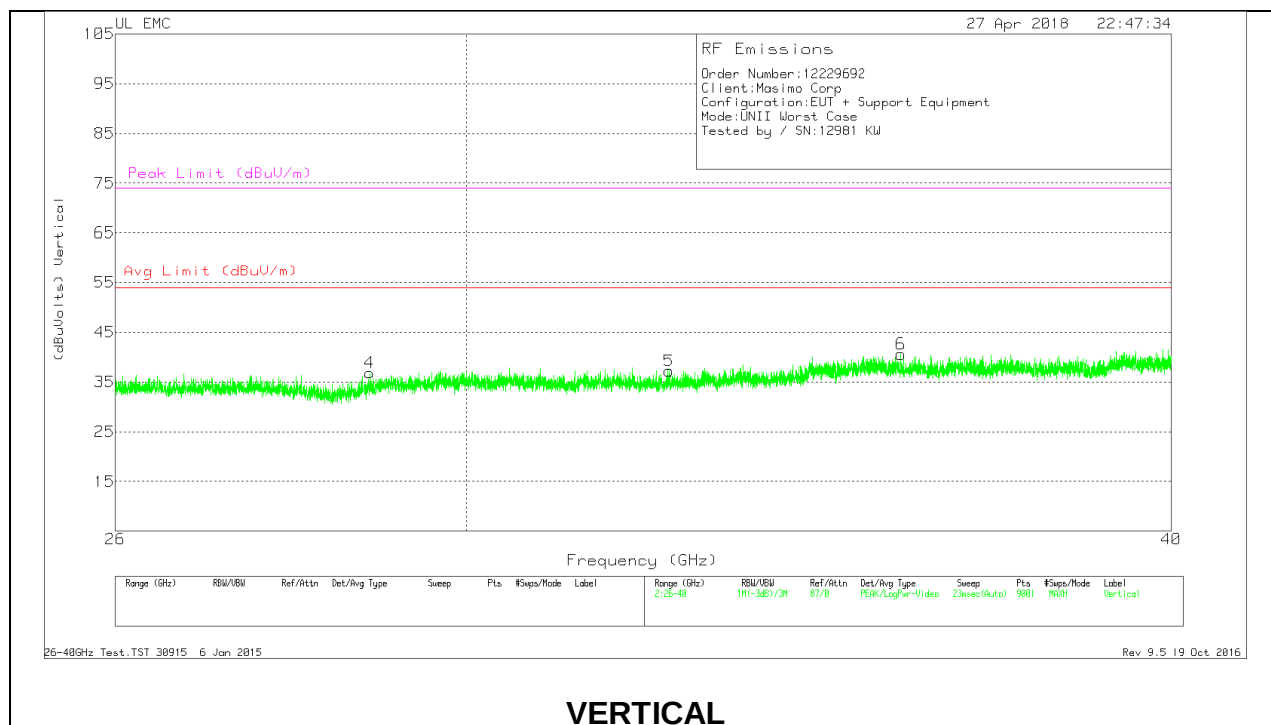
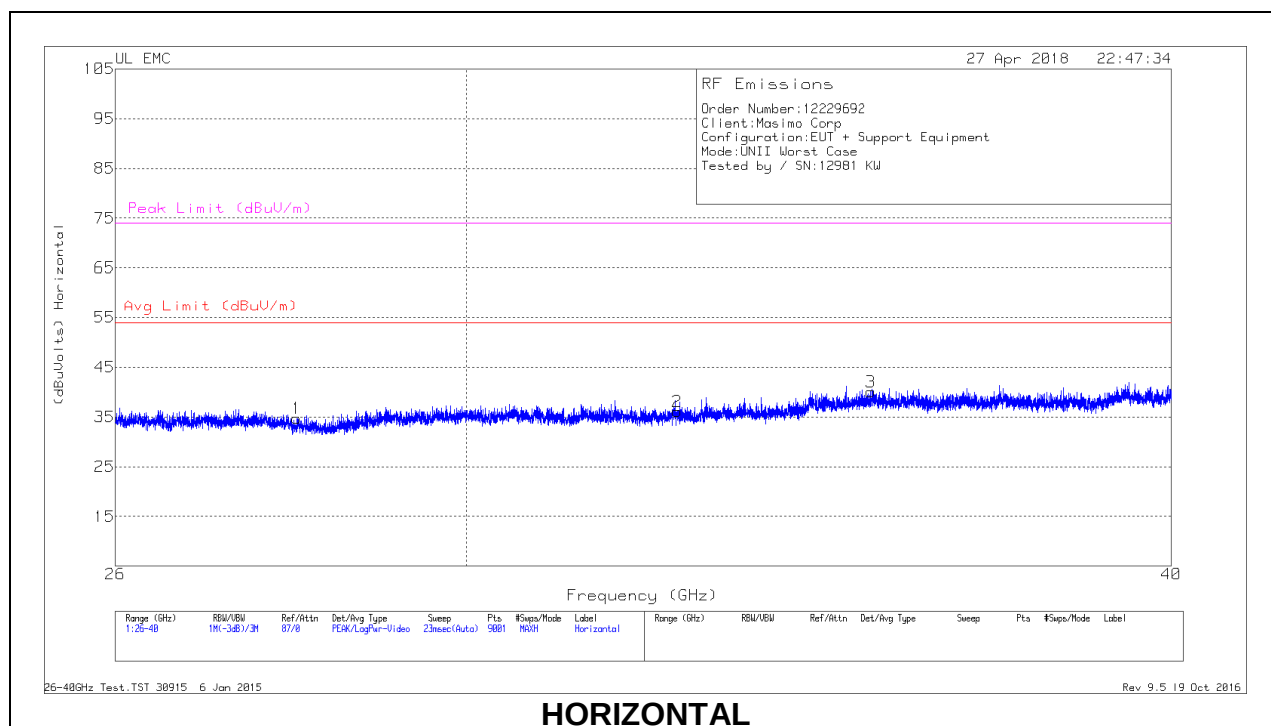
18 – 26GHz DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T449 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	20.032	35.15	Pk	32.8	-25.2	-9.5	33.25	54	-20.75	74	-40.75
2	22.129	37.03	Pk	33.4	-25	-9.5	35.93	54	-18.07	74	-38.07
3	23.595	36.02	Pk	33.9	-24.1	-9.5	36.32	54	-17.68	74	-37.68
4	19.796	34.93	Pk	32.7	-24.8	-9.5	33.33	54	-20.67	74	-40.67
5	21.844	35.13	Pk	33.3	-24.8	-9.5	34.13	54	-19.87	74	-39.87
6	24.047	38.71	Pk	33.9	-24.4	-9.5	38.71	54	-15.29	74	-35.29

Pk - Peak detector

9.5. Worst Case 26-40 GHz



26 – 40GHz DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	27.997	41.43	Pk	35.8	-33	-9.5	34.73	54	-19.27	74	-39.27
2	32.698	41.2	Pk	36.5	-32.1	-9.5	36.1	54	-17.9	74	-37.9
3	35.382	42.96	Pk	37.8	-31.2	-9.5	40.06	54	-13.94	74	-33.94
4	28.842	42.43	Pk	35.8	-31.9	-9.5	36.83	54	-17.17	74	-37.17
5	32.591	42.43	Pk	36.3	-32	-9.5	37.23	54	-16.77	74	-36.77
6	35.819	43.89	Pk	37.2	-31	-9.5	40.59	54	-13.41	74	-33.41

Pk - Peak detector

10. CONDUCTED OUTPUT POWER Q VALUE SETTING

Band	Mode	Channel	Frequency (MHz)	Power Setting	Output Power (dBm)
5.2	11a	36	5180	20	12.28
		40	5200	22	14.91
		48	5240	22	15.01
	11n HT20	36	5180	21	13.30
		40	5200	22	14.54
		48	5240	22	14.36
	11n HT40	38	5190	20	12.82
		46	5230	20	12.98
5.3	11a	52	5260	23	15.82
		60	5300	23	15.72
		64	5320	21	14.24
	11n HT20	52	5260	23	15.59
		60	5300	23	15.71
		64	5320	22	15.05
	11n HT40	54	5270	19	12.11
		62	5310	20	13.38
5.6	11a	100	5500	20	12.60
		116	5580	23	15.61
		140	5700	20	12.43
		144	5720	24	15.33
	11n HT20	100	5500	21	13.39
		116	5580	23	15.76
		140	5700	20	11.67
		144	5720	23	14.92
	11n HT40	102	5510	20	13.29
		110	5550	20	13.27
		134	5670	20	12.92
		142	5710	20	12.71
5.8	11a	149	5745	23	15.17
		157	5785	23	14.85
		165	5825	23	13.83
	11n HT20	149	5745	23	14.92
		157	5785	23	14.70
		165	5825	23	14.02
	11n HT40	151	5755	20	12.77
		159	5795	20	12.25

Note: the Q-Values in the report per client requested are for future reference.

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

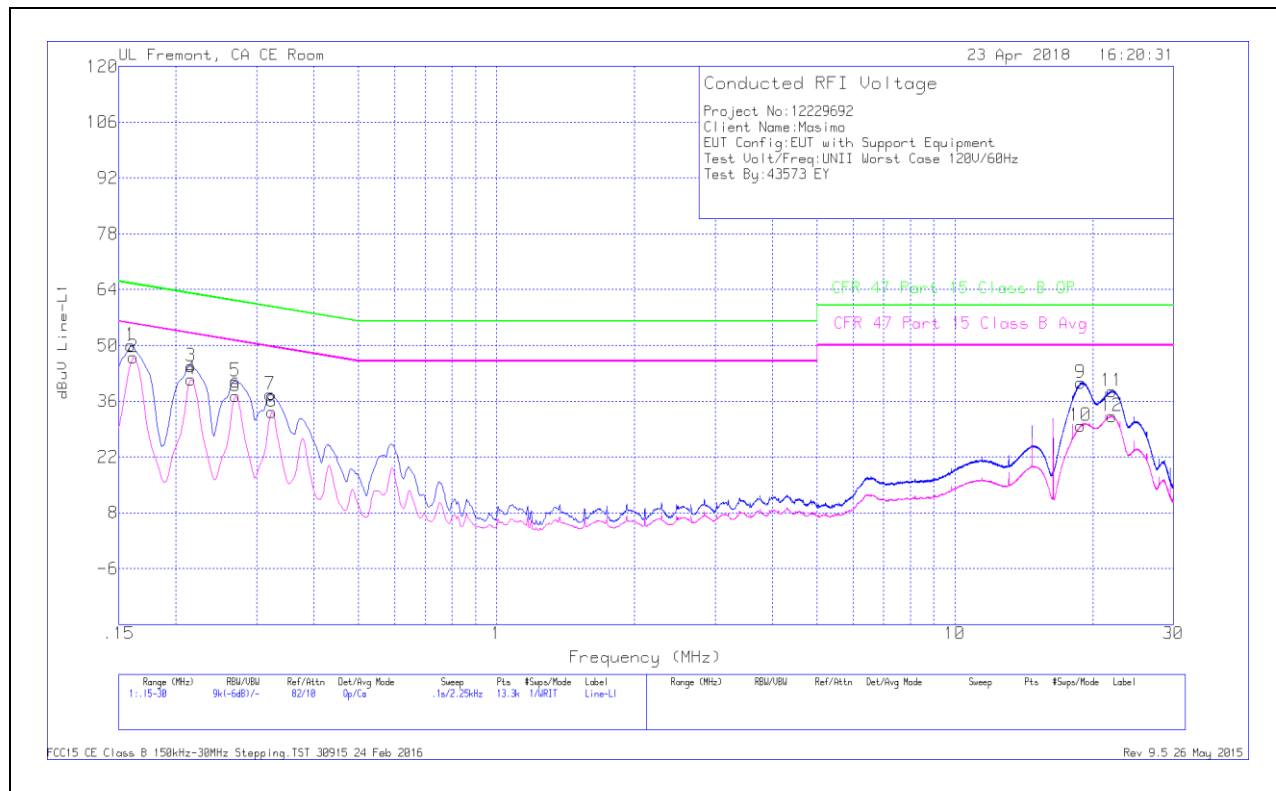
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1.1. AC Power Line Norm

LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.159	39.75	Qp	.1	0	10.1	49.95	65.52	-15.57	-	-
2	.16125	36.87	Ca	.1	0	10.1	47.07	-	-	55.4	-8.33
3	.21525	34.7	Qp	0	0	10.1	44.8	63	-18.2	-	-
4	.21525	31.39	Ca	0	0	10.1	41.49	-	-	53	-11.51
5	.26925	30.94	Qp	0	0	10.1	41.04	61.14	-20.1	-	-
6	.26925	27.25	Ca	0	0	10.1	37.35	-	-	51.14	-13.79
7	.321	27.57	Qp	0	0	10.1	37.67	59.68	-22.01	-	-
8	.32325	23.18	Ca	0	0	10.1	33.28	-	-	49.62	-16.34
9	18.80025	30.06	Qp	0	.3	10.3	40.66	60	-19.34	-	-
10	18.79575	19.18	Ca	0	.3	10.3	29.78	-	-	50	-20.22
11	22.029	27.7	Qp	.1	.3	10.4	38.5	60	-21.5	-	-
12	22.02	21.44	Ca	.1	.3	10.4	32.24	-	-	50	-17.76