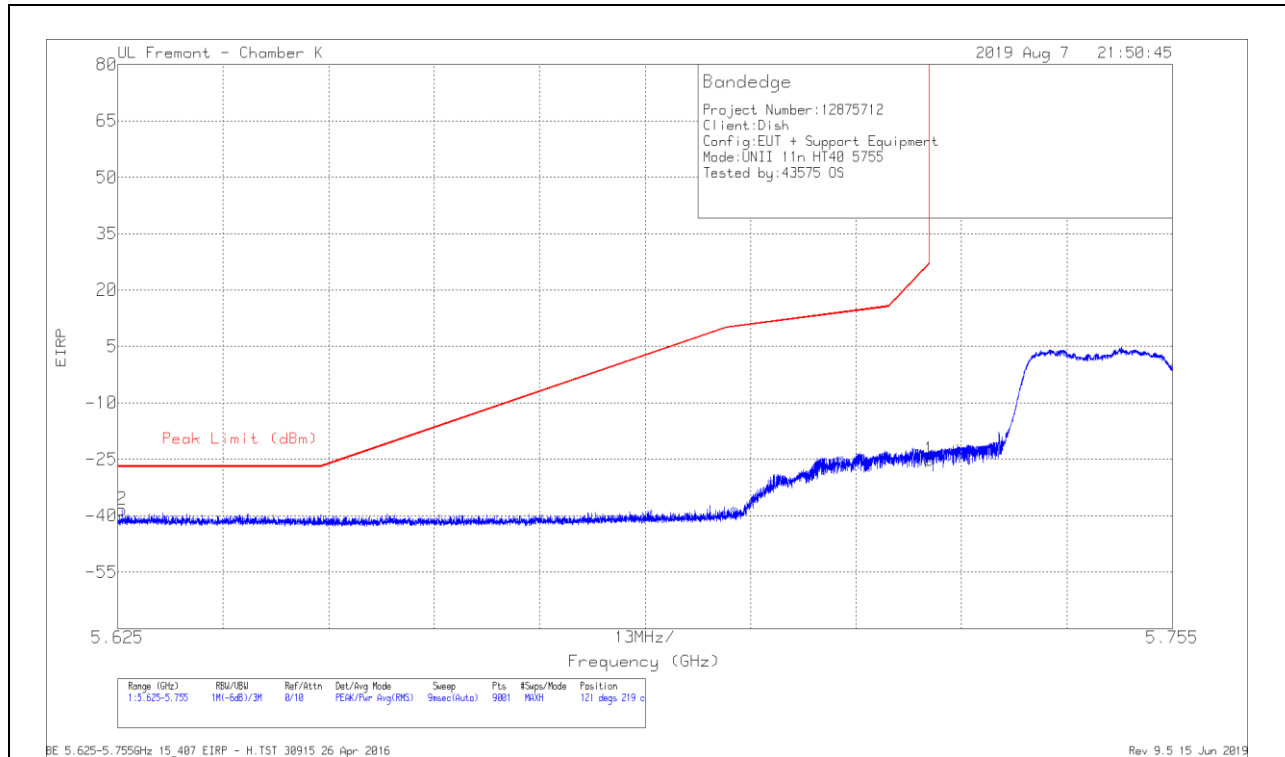


9.1.5. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

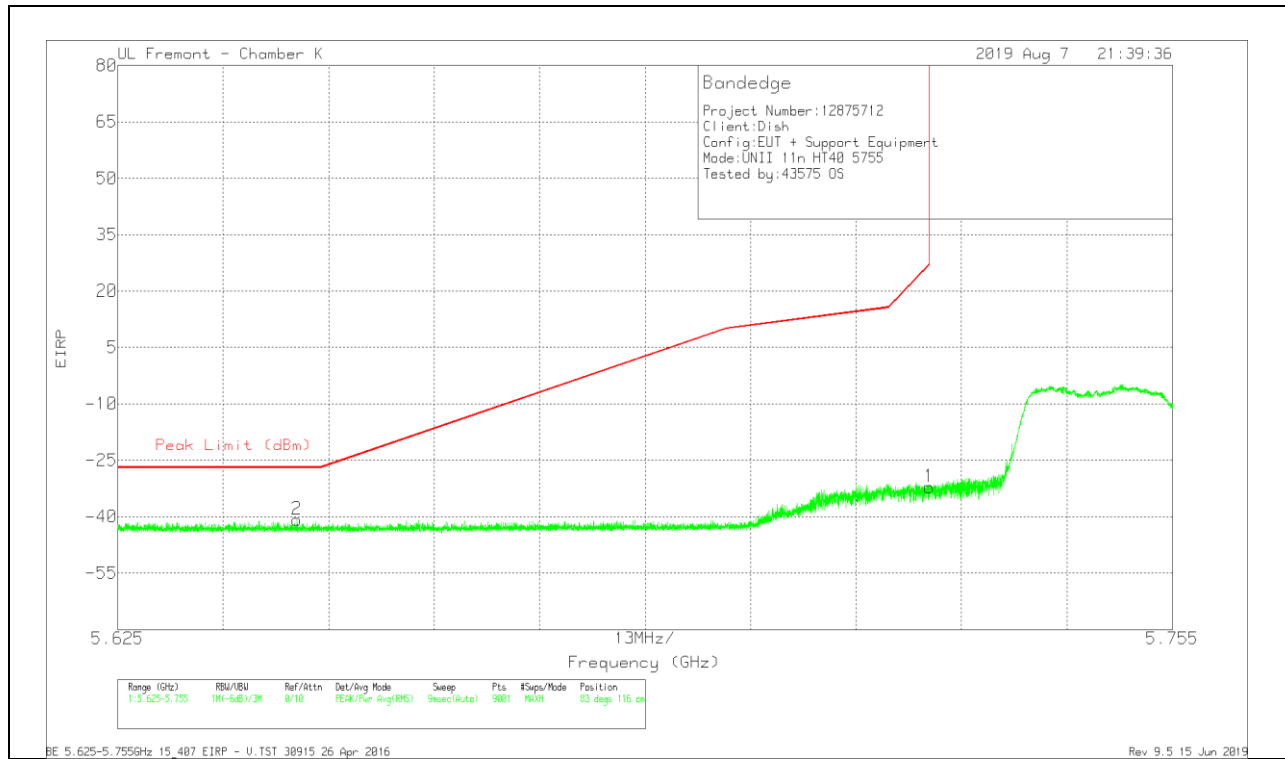
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-52.66	Pk	34.8	-19	11.8	0	-25.06	26.99	-52.05	121	219	H
2	5.62552	-65.49	Pk	34.8	-19.5	11.8	0	-38.39	-27	-11.39	121	219	H

Pk - Peak detector

VERTICAL RESULT

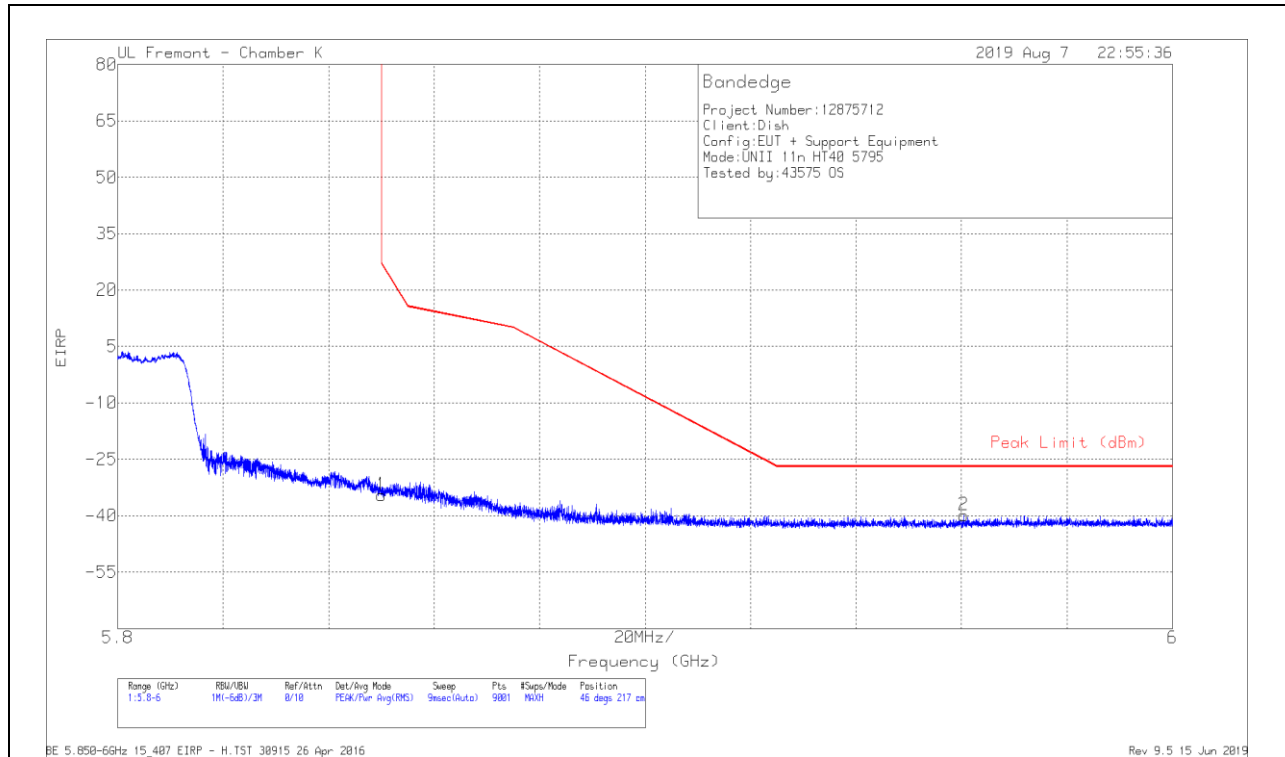


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbl/Filt r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-59.74	Pk	34.8	-19	11.8	0	-32.14	26.99	-59.13	83	116	V
2	5.64711	-68.08	Pk	34.8	-19.4	11.8	0	-40.88	-27	-13.88	83	116	V

Pk - Peak detector

BANDEGE (HIGH CHANNEL)

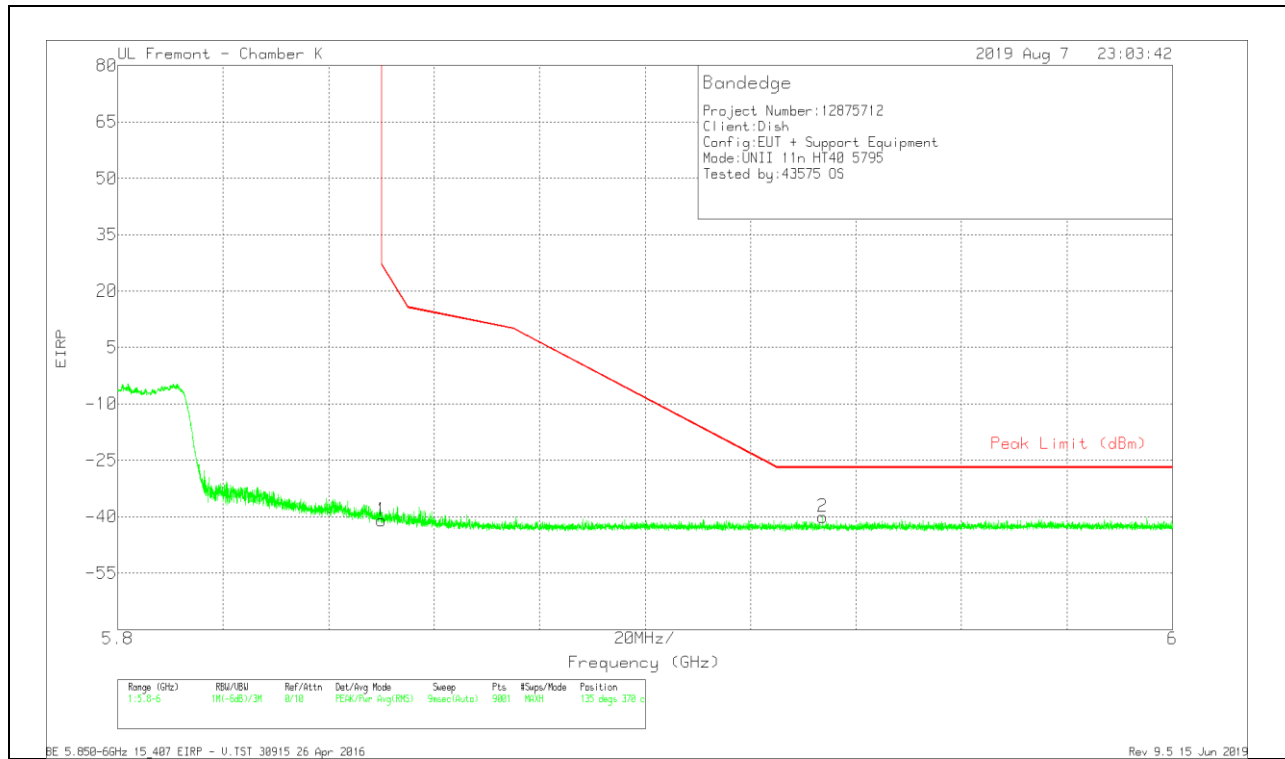
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-62.39	Pk	35	-18.9	11.8	0	-34.49	26.95	-61.44	46	217	H
2	5.96038	-68.11	Pk	35.1	-18.7	11.8	0	-39.91	-27	-12.91	46	217	H

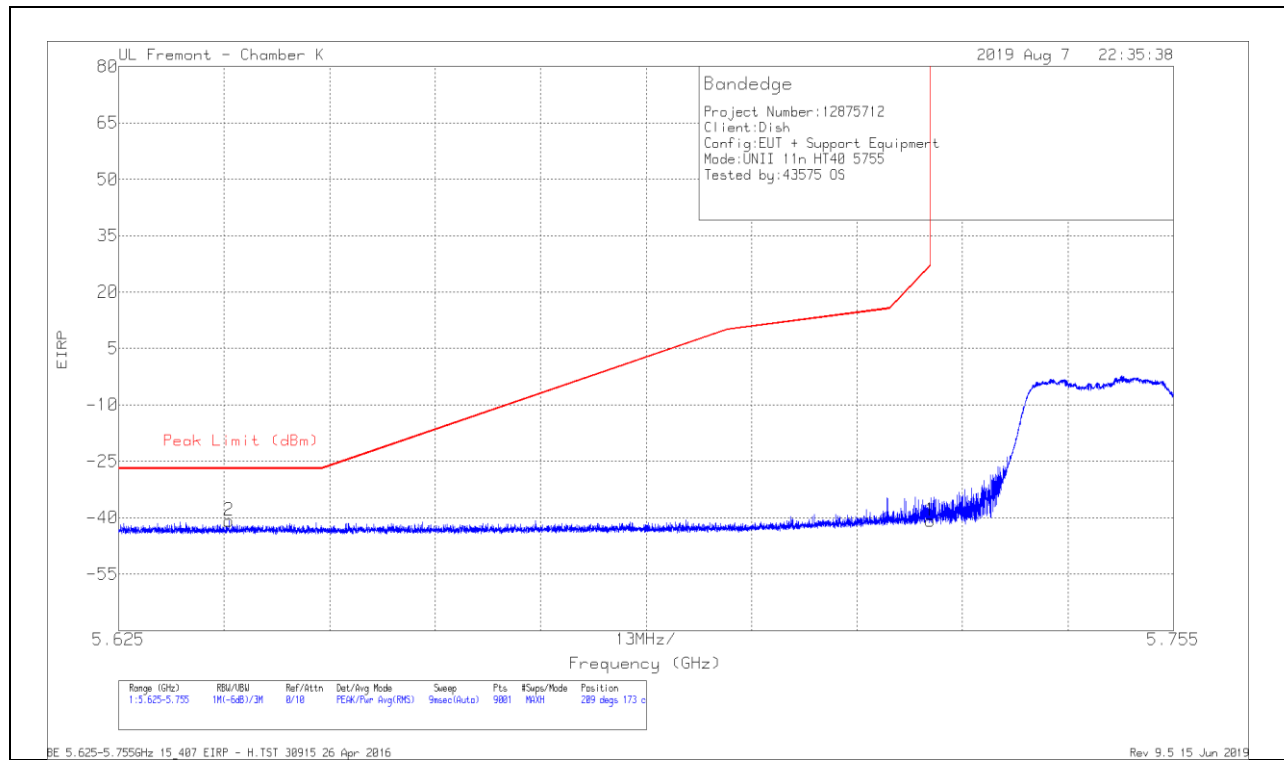
Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-68.92	Pk	35	-18.9	11.8	0	-41.02	26.95	-67.97	135	370	V
2	5.93369	-68.44	Pk	35.2	-18.7	11.8	0	-40.14	-27	-13.14	135	370	V

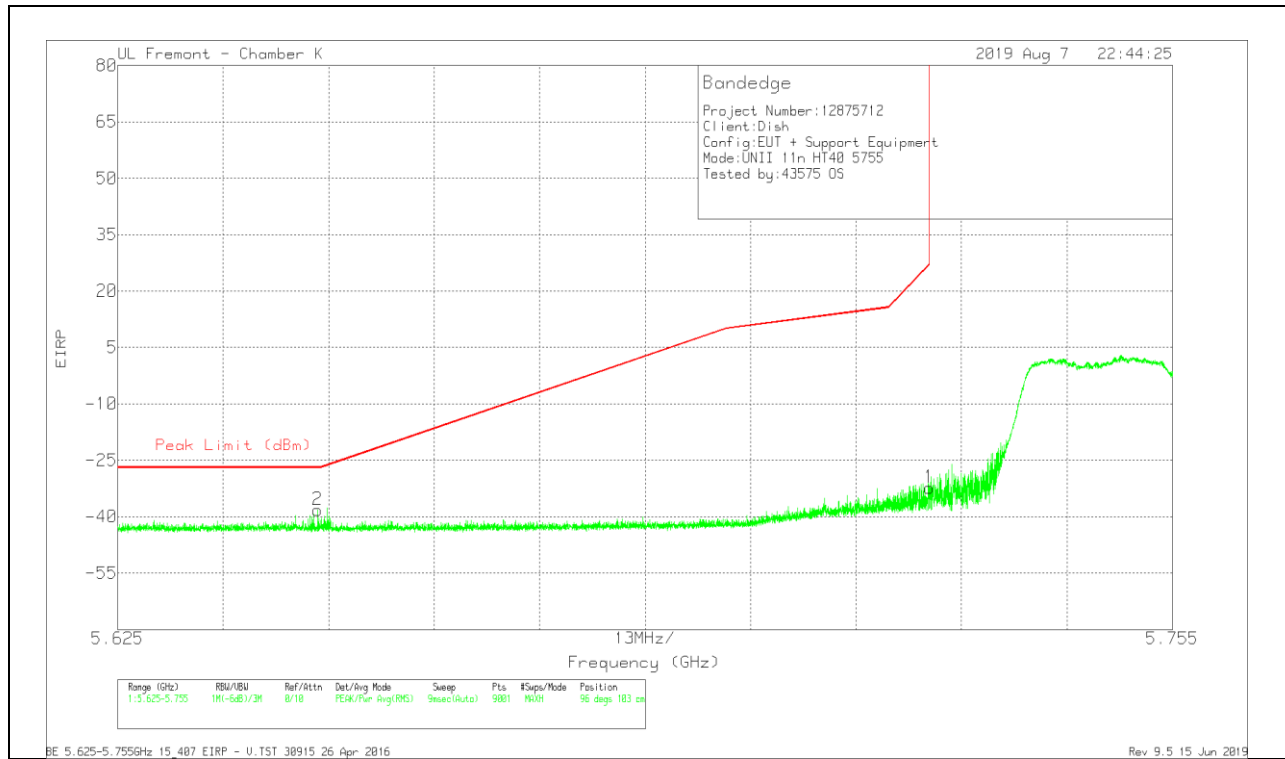
Pk - Peak detector

1TX Antenna 2 MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.46	Pk	34.8	-19	11.8	0	-40.86	26.99	-67.85	209	173	H
2	5.63861	-68.01	Pk	34.8	-19.4	11.8	0	-40.81	-27	-13.81	209	173	H

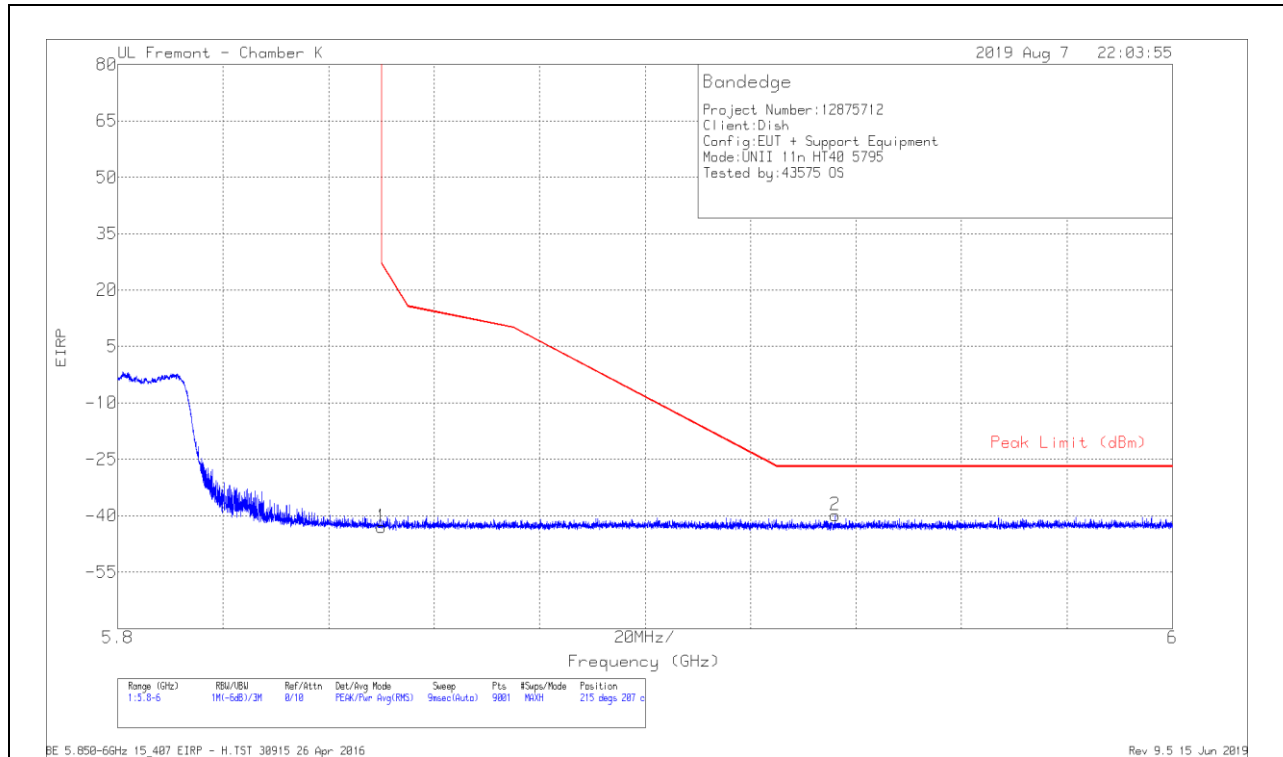
Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbl/Filt r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-59.86	Pk	34.8	-19	11.8	0	-32.26	26.99	-59.25	96	103	V
2	5.64966	-65.26	Pk	34.7	-19.4	11.8	0	-38.16	-27	-11.16	96	103	V

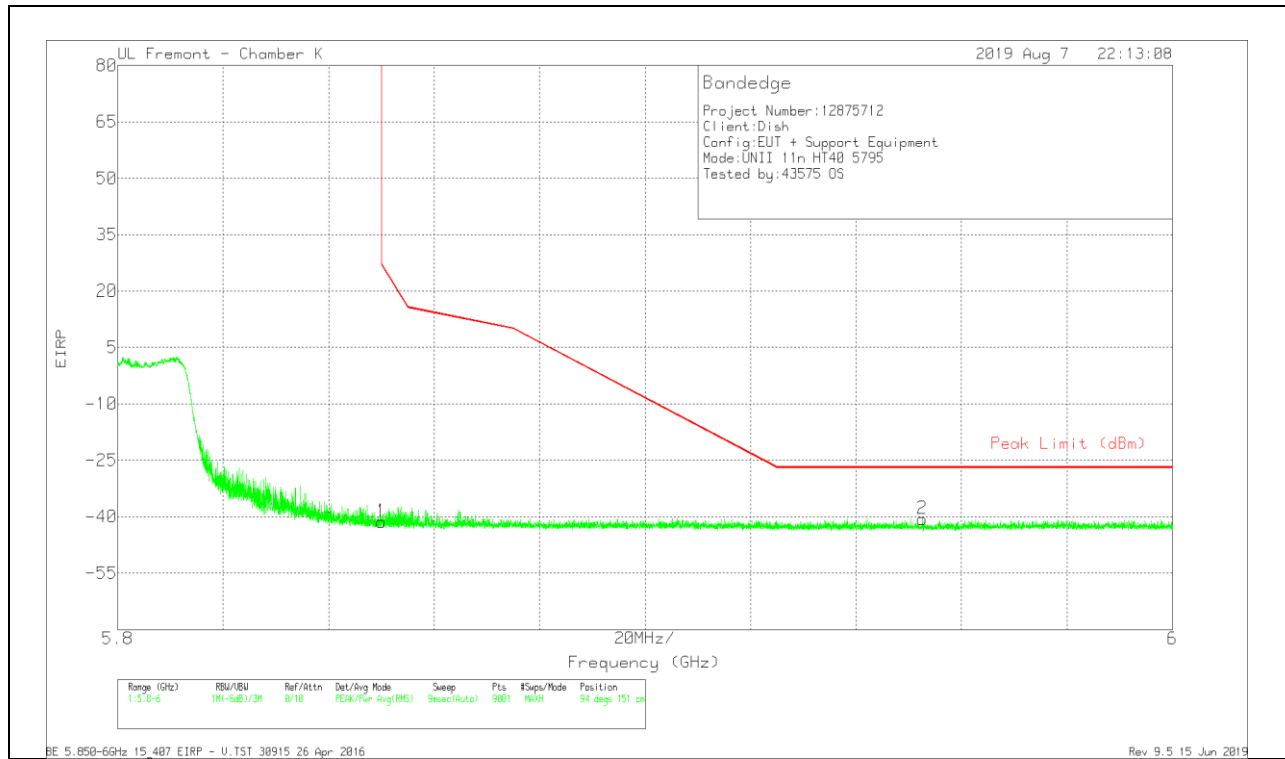
Pk - Peak detector

BANDEGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-70.95	Pk	35	-18.9	11.8	0	-43.05	26.95	-70	215	207	H
2	5.93609	-68.06	Pk	35.1	-18.7	11.8	0	-39.86	-27	-12.86	215	207	H

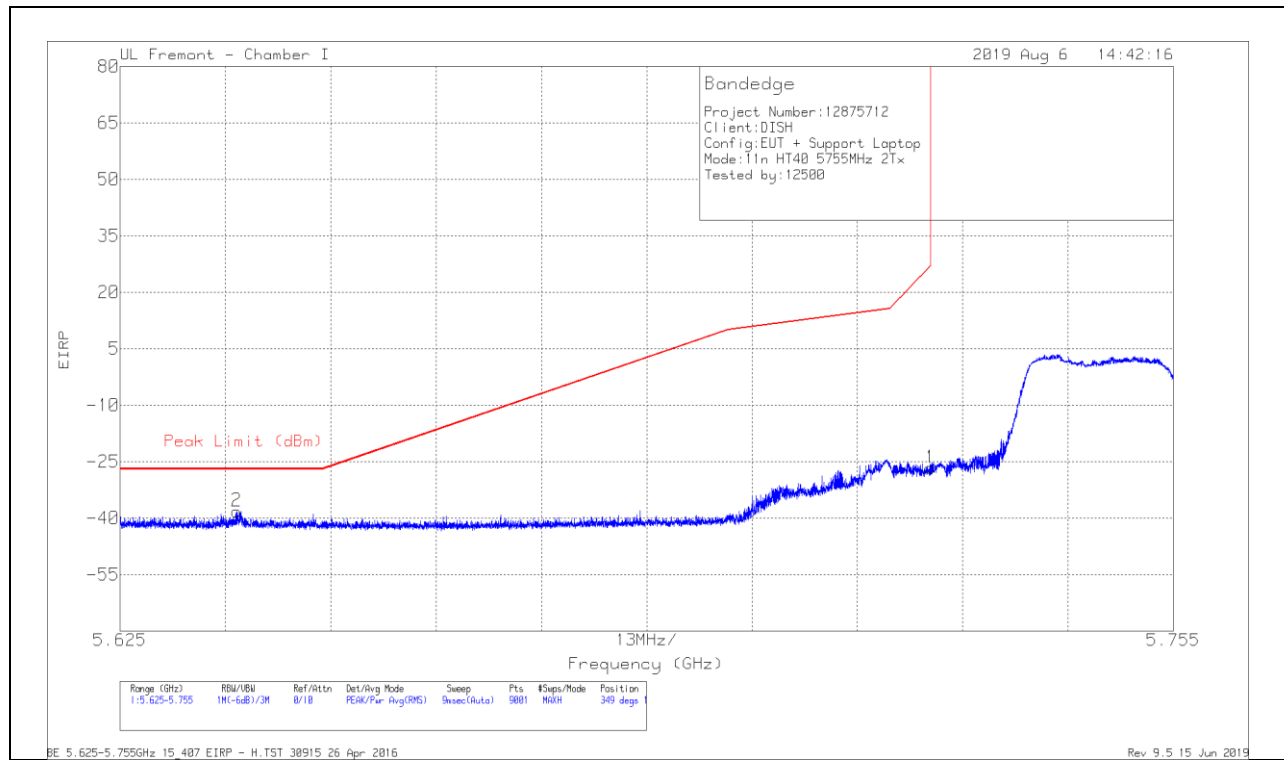
Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-69.17	Pk	35	-18.9	11.8	0	-41.27	26.95	-68.22	94	151	V
2	5.95255	-68.74	Pk	35.1	-18.7	11.8	0	-40.54	-27	-13.54	94	151	V

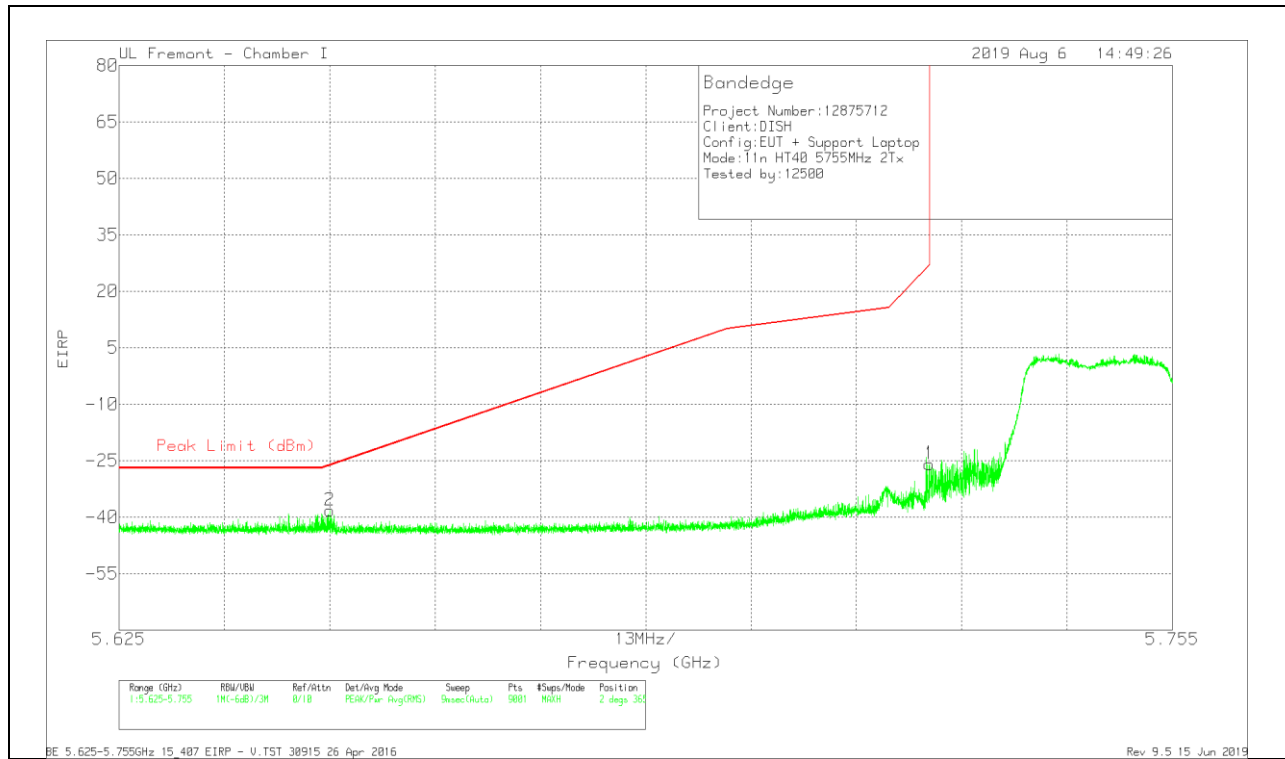
Pk - Peak detector

2TX Antenna 1 + Antenna 2 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-54.9	Pk	34.9	-18.5	11.8	0	-26.7	26.99	-53.69	349	170	H
2	5.63937	-66.46	Pk	35.1	-18.6	11.8	0	-38.16	-27	-11.16	349	170	H

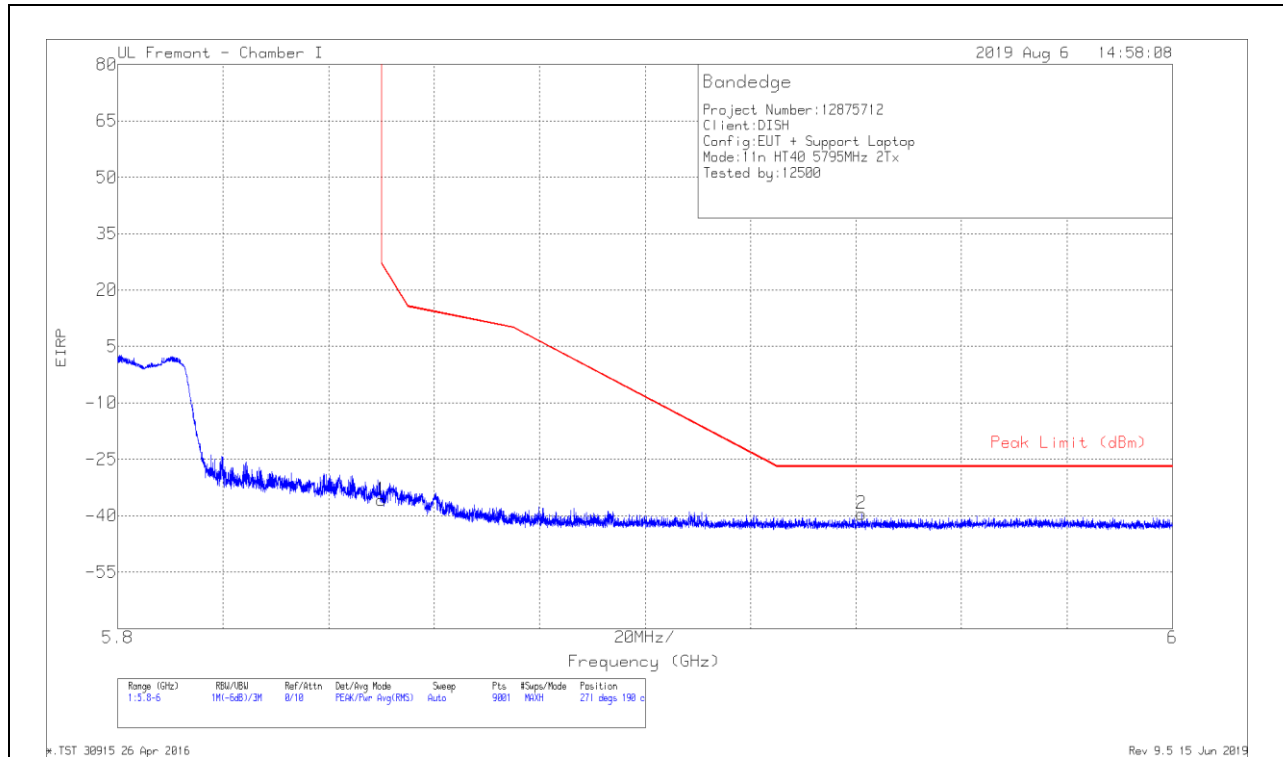
Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Filt r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-54.11	Pk	34.9	-18.5	11.8	0	-25.91	26.99	-52.9	2	365	V
2	5.65099	-66.45	Pk	35	-18.6	11.8	0	-38.25	-26.27	-11.98	2	365	V

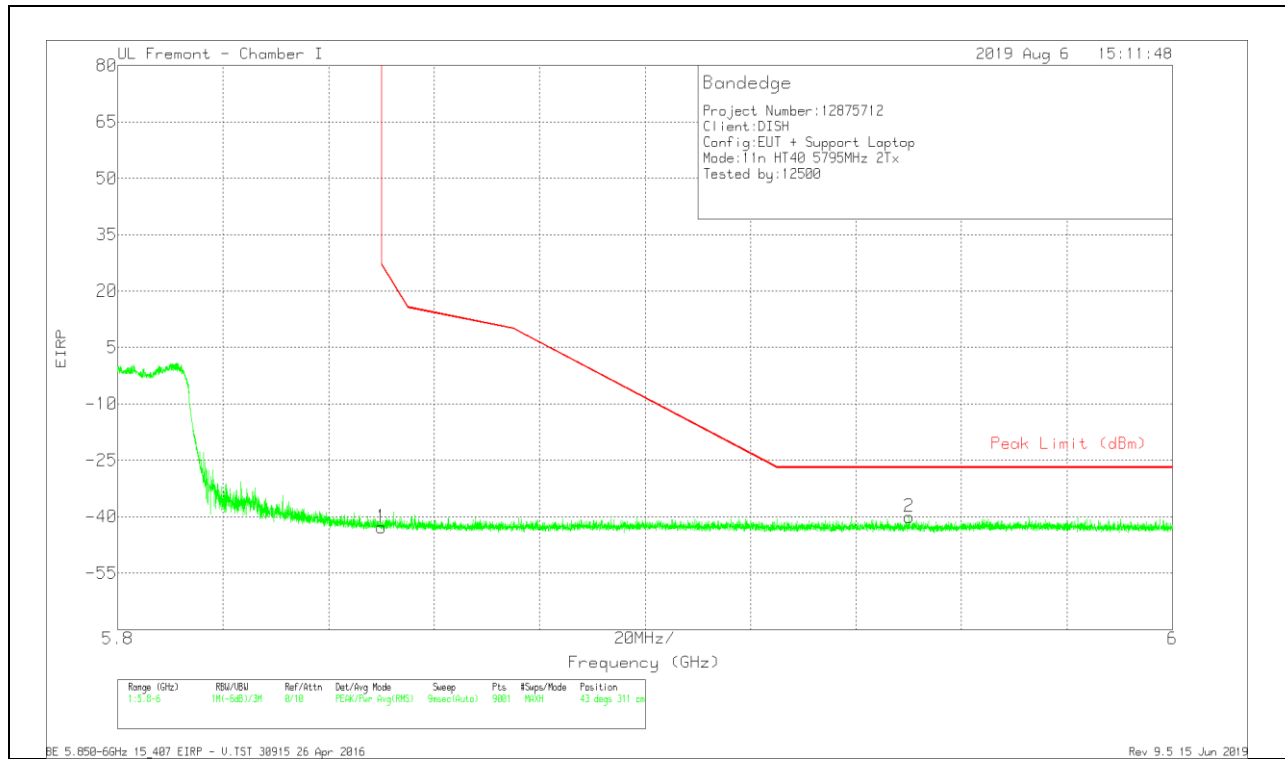
Pk - Peak detector

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Fil r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-65.26	Pk	35.1	-17.4	11.8	0	-35.76	26.95	-62.71	271	190	H
2	5.94107	-69.05	Pk	35.1	-17.4	11.8	0	-39.55	-27	-12.55	271	190	H

Pk - Peak detector

VERTICAL RESULT

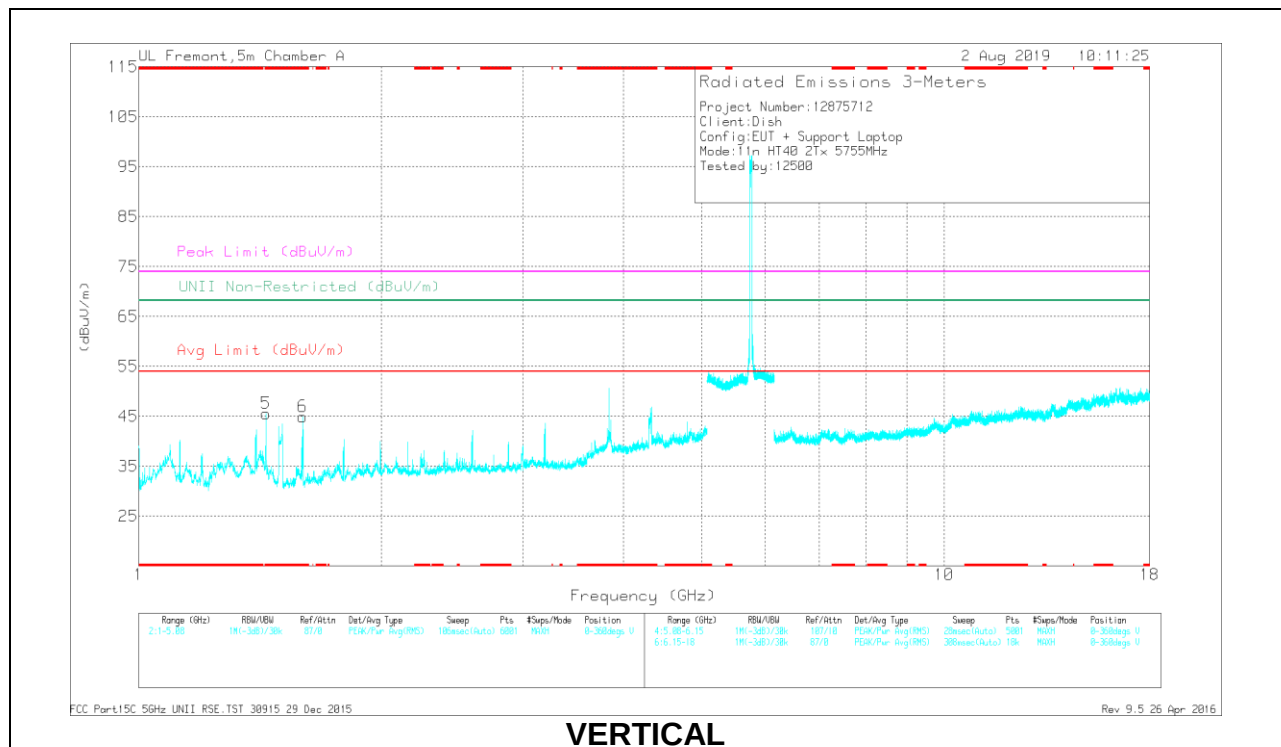
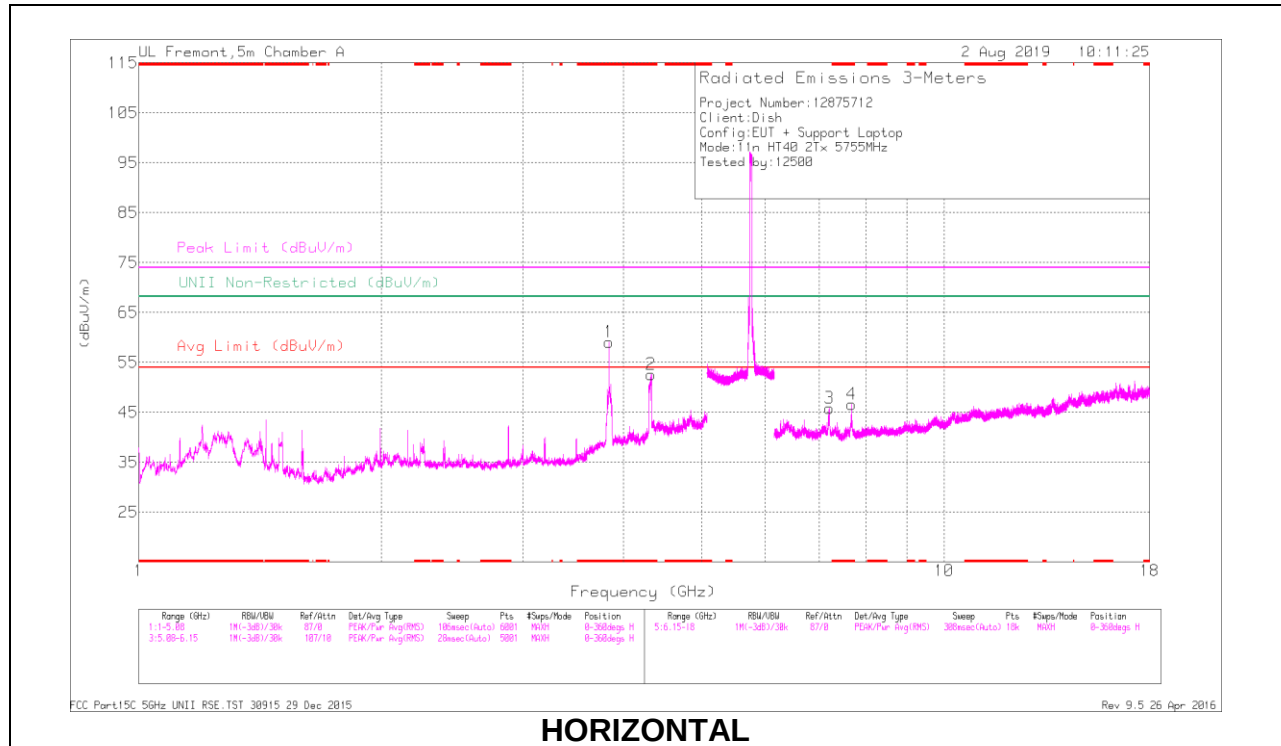


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Filt r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-72.36	Pk	35.1	-17.4	11.8	0	-42.86	26.95	-69.81	43	311	V
2	5.95013	-69.59	Pk	35.2	-17.5	11.8	0	-40.09	-27	-13.09	43	311	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

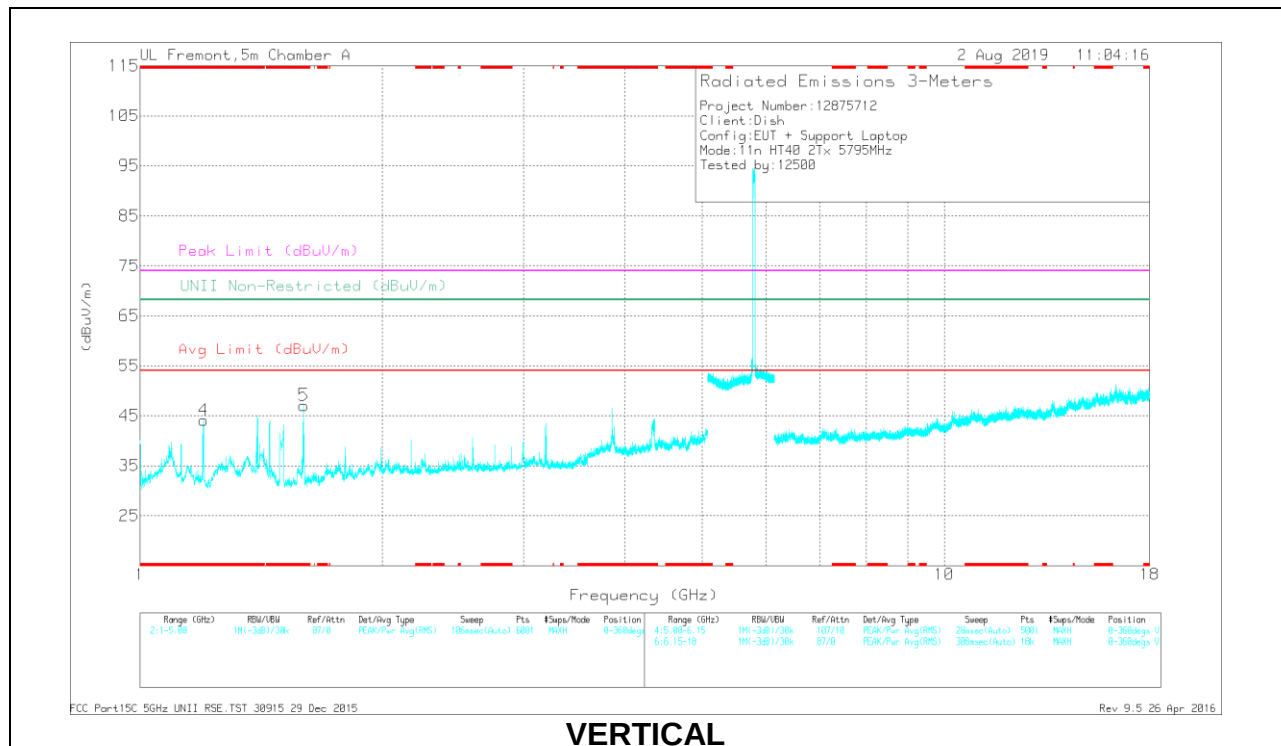
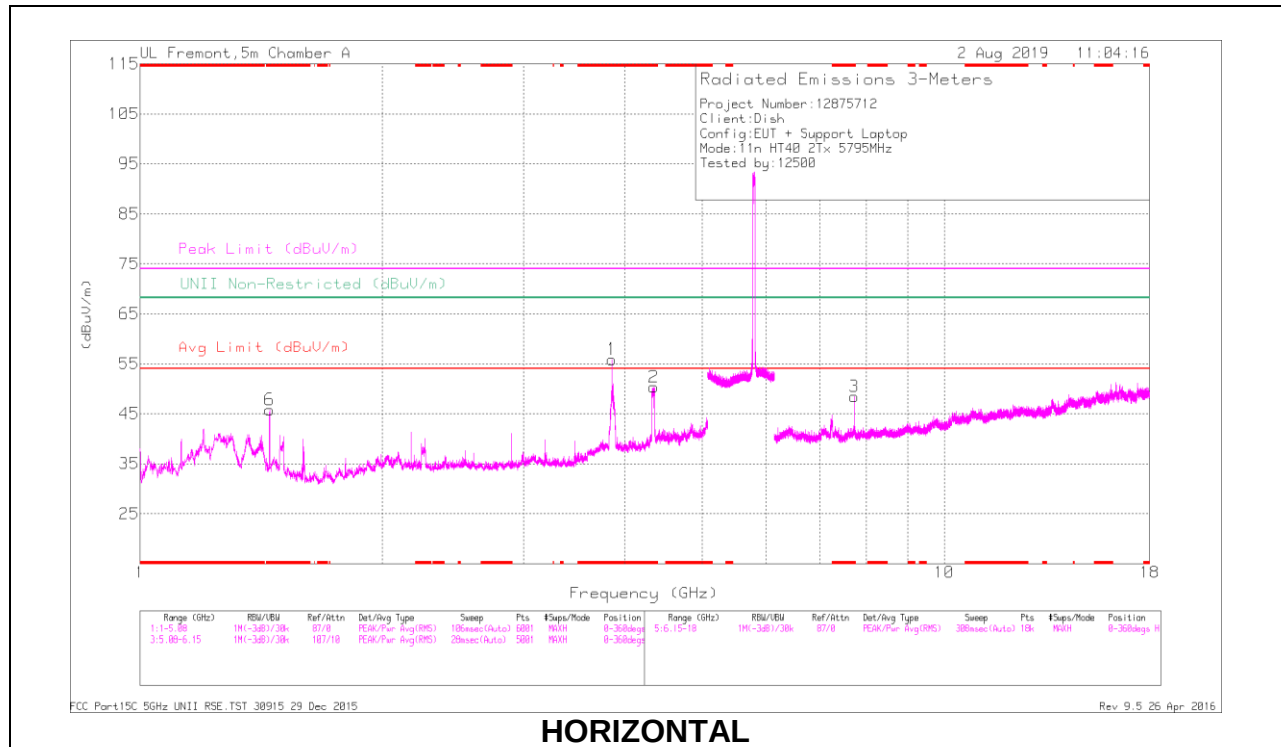
Marker	Frequency (Hz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
2	* 4.331	54.61	PK-U	33.6	-27.9	0	60.31	-	-	74	-13.69	-	-	57	282	H
	* 4.331	44.11	ADR	33.6	-27.9	.35	50.16	54	-3.84	-	-	-	-	57	282	H
1	* 3.837	53.36	PK-U	33.7	-28.2	0	58.86	-	-	74	-15.14	-	-	43	143	H
	* 3.837	46.4	ADR	33.7	-28.2	.35	52.25	54	-1.75	-	-	-	-	43	143	H
5	* 1.439	51.14	PK-U	28.4	-31.7	0	47.84	-	-	74	-26.16	-	-	86	370	V
	* 1.439	47.06	ADR	28.4	-31.7	.35	44.11	54	-9.89	-	-	-	-	86	370	V
6	* 1.6	57.11	PK-U	28.1	-31.9	0	53.31	-	-	74	-20.69	-	-	207	179	V
	* 1.6	40.04	ADR	28.1	-31.9	.35	36.59	54	-17.41	-	-	-	-	207	179	V
4	* 7.673	41.71	PK-U	35.8	-22.6	0	54.91	-	-	74	-19.09	-	-	10	202	H
	* 7.673	31.84	ADR	35.8	-22.6	.35	45.39	54	-8.61	-	-	-	-	10	202	H
3	7.209	41.43	PK-U	35.9	-24.2	0	53.13	-	-	-	-	68.2	-15.07	14	211	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

Marker	Frequency (Hz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	ULNII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 3.864	57.82	PK-U	33.6	-28.4	0	63.02	-	-	74	-10.98	-	-	43	158	H
	* 3.863	47.28	ADR	33.6	-28.4	.35	52.83	54	-1.17	-	-	-	-	43	158	H
2	* 4.352	50.1	PK-U	33.7	-28.3	0	55.5	-	-	74	-18.5	-	-	101	248	H
	* 4.351	39.98	ADR	33.7	-28.3	.35	45.73	54	-8.27	-	-	-	-	101	248	H
6	* 1.449	51.98	PK-U	28.3	-31.8	0	48.48	-	-	74	-25.52	-	-	19	332	H
	* 1.449	47.07	ADR	28.3	-31.8	.35	43.92	54	-10.08	-	-	-	-	19	332	H
5	* 1.599	51.59	PK-U	28.1	-31.9	0	47.79	-	-	74	-26.21	-	-	173	165	V
	* 1.6	36.51	ADR	28.1	-31.9	.35	33.06	54	-20.94	-	-	-	-	173	165	V
4	* 1.198	51.98	PK-U	28.4	-32.6	0	47.78	-	-	74	-26.22	-	-	141	380	V
	* 1.2	38.28	ADR	28.5	-32.6	.35	34.53	54	-19.47	-	-	-	-	141	380	V
3	* 7.727	41.43	PK-U	35.9	-23.3	0	54.03	-	-	74	-19.97	-	-	9	253	H
	* 7.727	34.58	ADR	35.9	-23.3	.35	47.53	54	-6.47	-	-	-	-	9	253	H

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

PK-U - U-NII: Maximum Peak

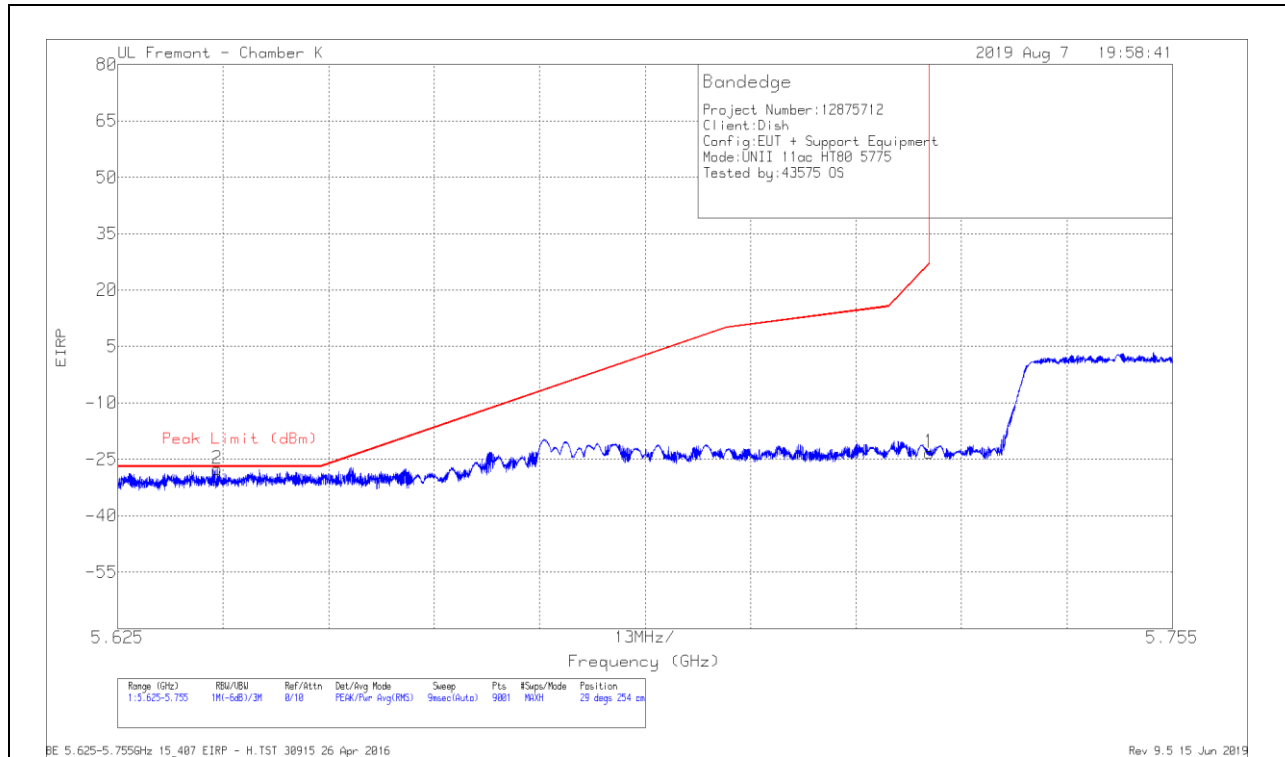
ADR - U-NII AD primary method, RMS average

9.1.6. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (CHANNEL 155 LOW EDGE)

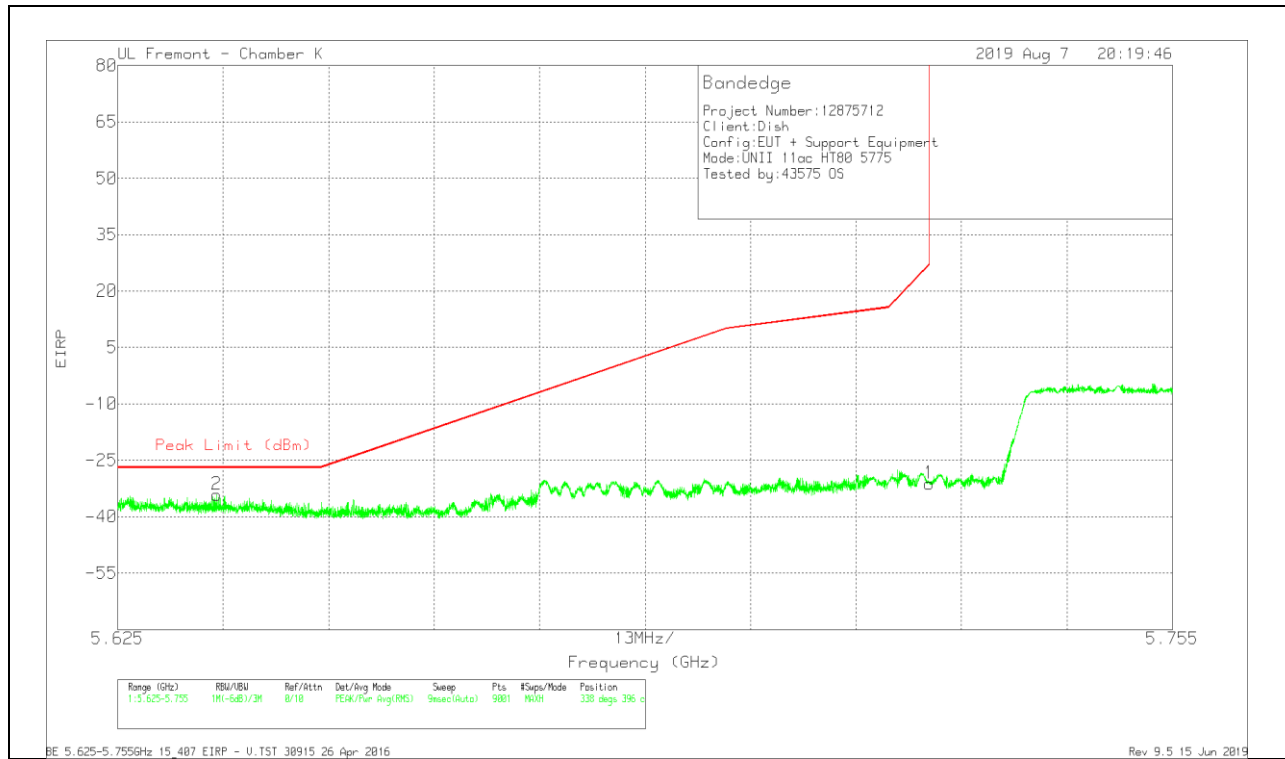
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Ampl/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-50.81	Pk	34.8	-19	11.8	0	-23.21	26.99	-50.2	29	254	H
2	5.63731	-54.61	Pk	34.7	-19.5	11.8	0	-27.61	-27	-61	29	254	H

Pk - Peak detector

VERTICAL RESULT

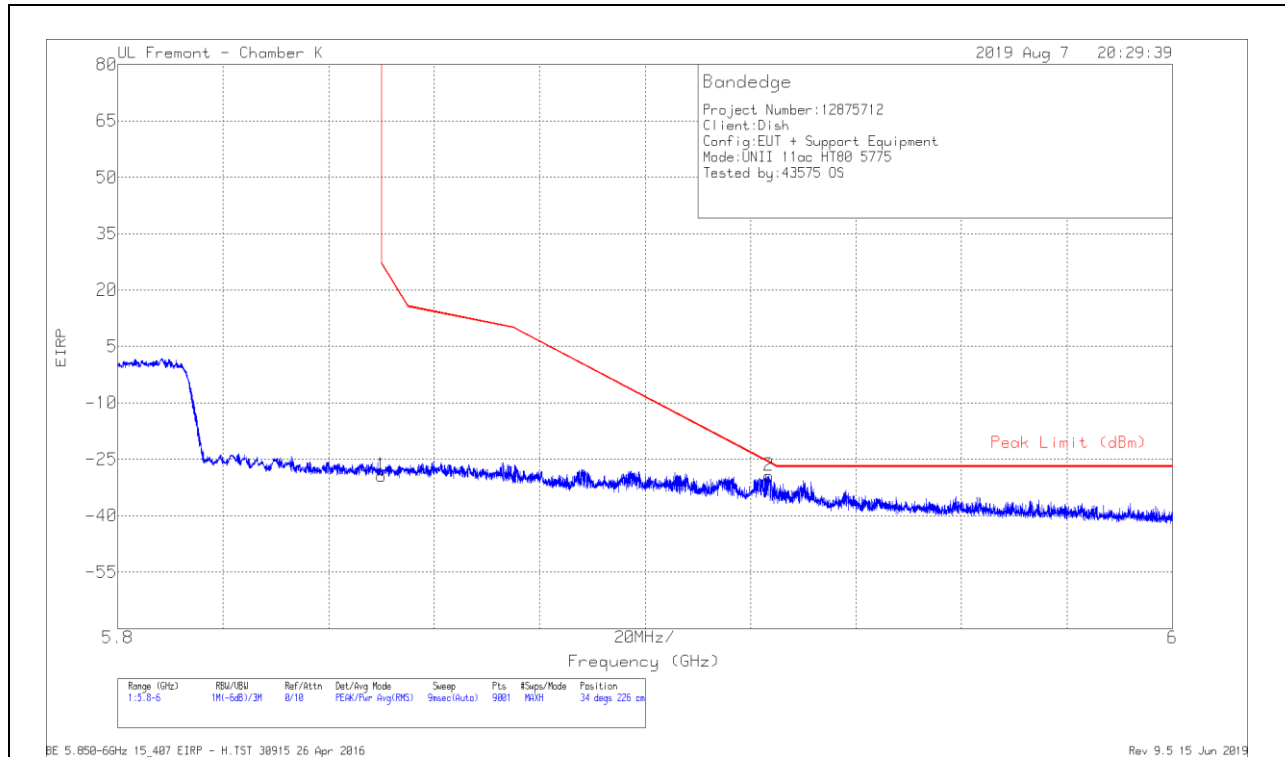


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbl/Filt r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-58.77	Pk	34.8	-19	11.8	0	-31.17	26.99	-58.16	338	396	V
2	5.63722	-61.21	Pk	34.7	-19.5	11.8	0	-34.21	-27	-7.21	338	396	V

Pk - Peak detector

BANDEDGE (CHANNEL 155 HIGH EDGE)

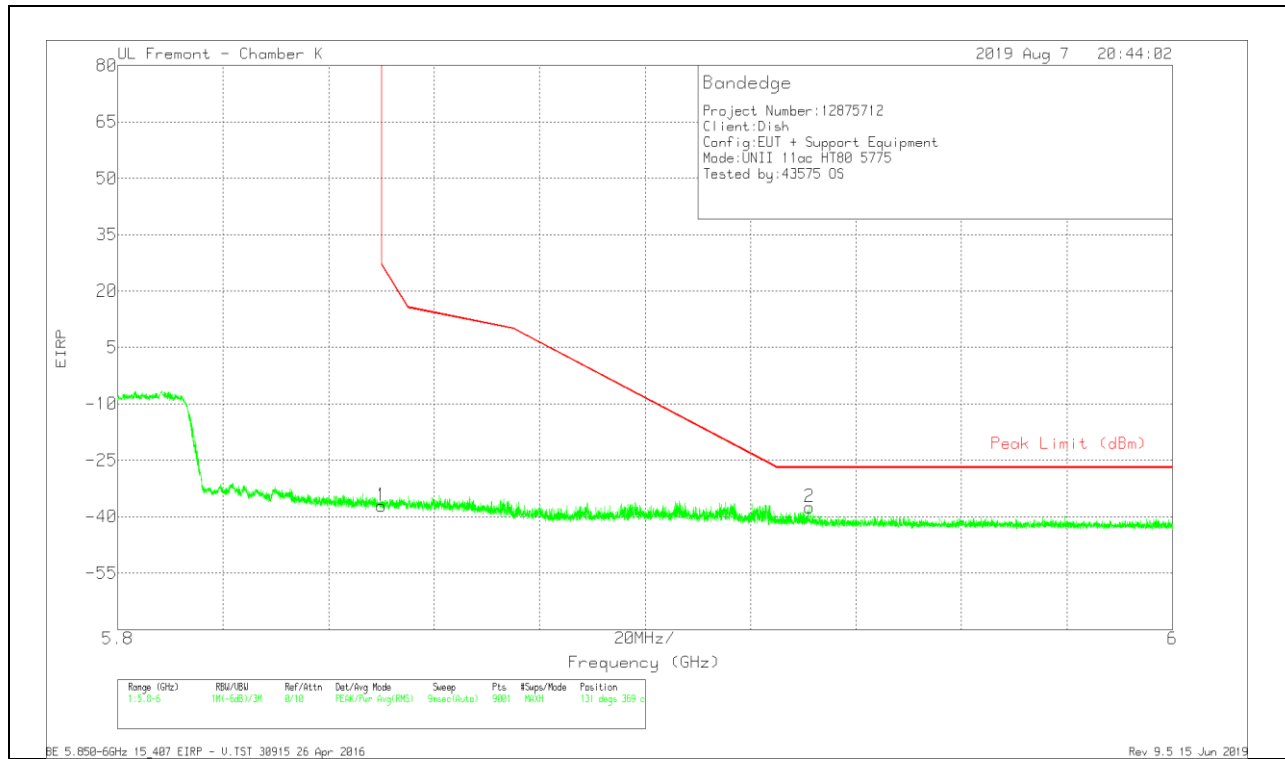
HORIZONTAL RESULT



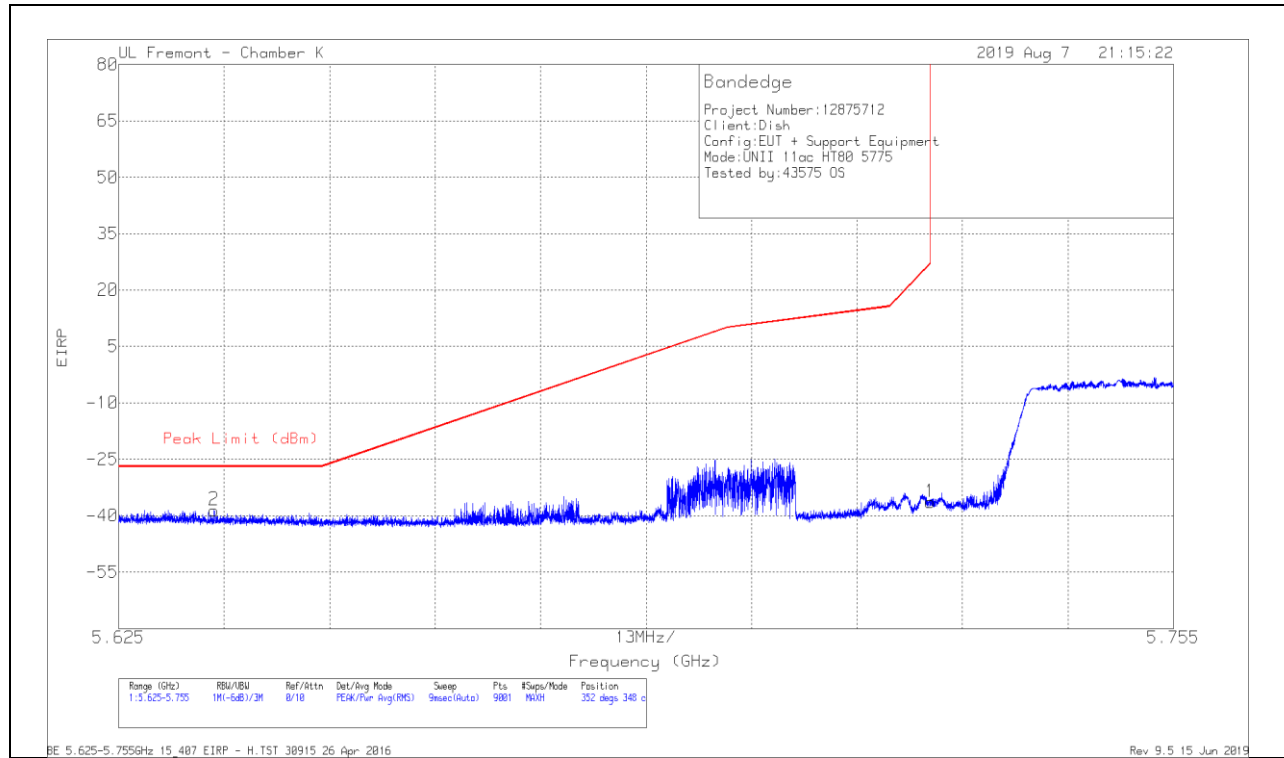
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-57.32	Pk	35	-18.9	11.8	0	-29.42	26.95	-56.37	34	226	H
2	5.92349	-57.52	Pk	35.1	-18.8	11.8	0	-29.42	-25.88	-3.54	34	226	H

Pk - Peak detector

VERTICAL RESULT



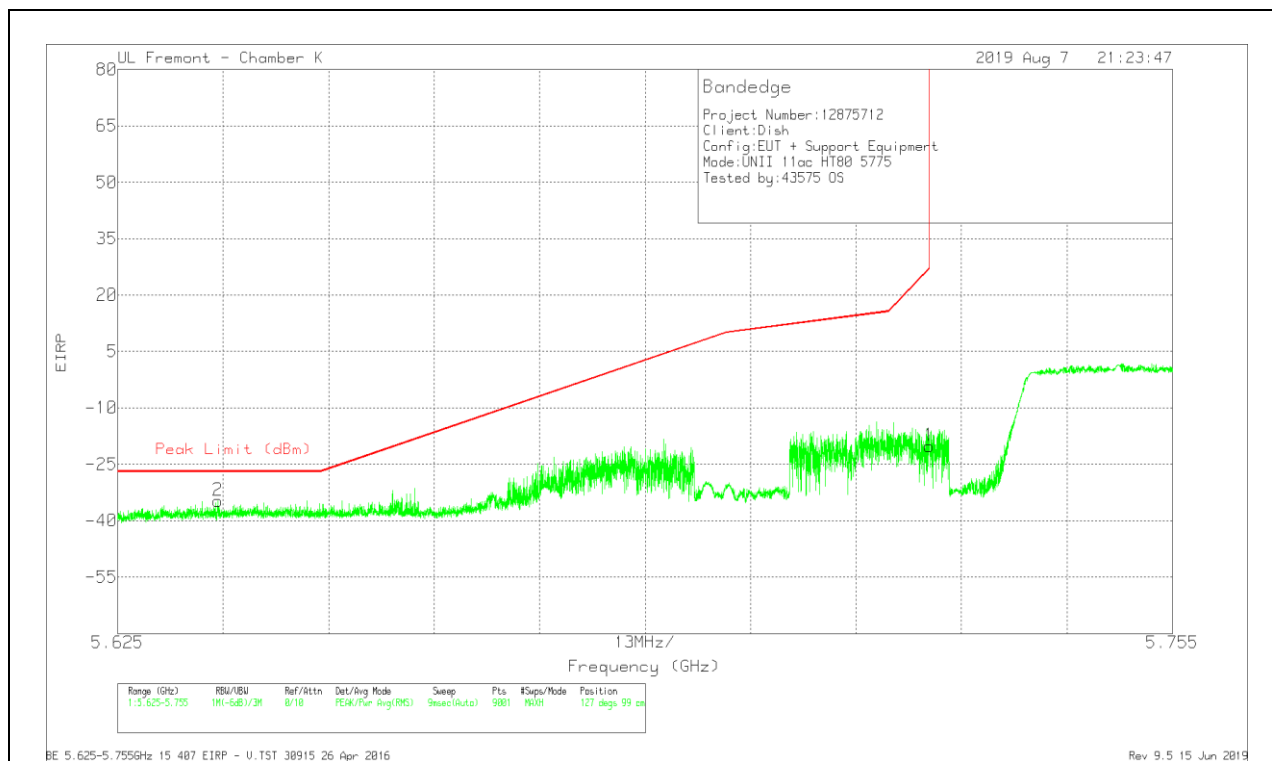
Pk - Peak detector

1TX Antenna 2 MODE**BANDEDGE (CHANNEL 155 LOW EDGE)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-63.97	Pk	34.8	-19	11.8	0	-36.37	26.99	-63.36	352	348	H
2	5.63676	-65.5	Pk	34.7	-19.5	11.8	0	-38.5	-27	-11.5	352	348	H

Pk - Peak detector

VERTICAL RESULT

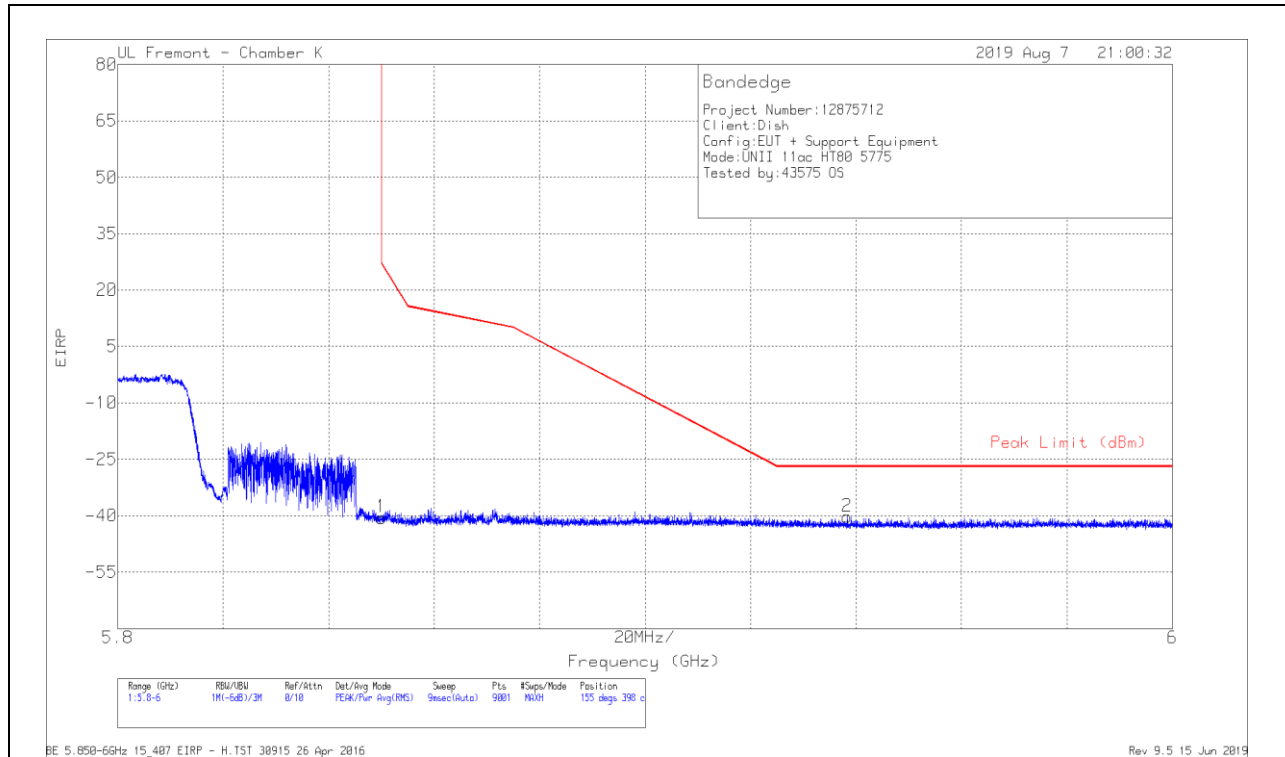


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-47.72	Pk	34.8	-19	11.8	0	-20.12	26.99	-47.11	127	99	V
2	5.63732	-61.67	Pk	34.7	-19.5	11.8	0	-34.67	-27	-7.67	127	99	V

Pk - Peak detector

BANDEDGE (CHANNEL 155 HIGH EDGE)

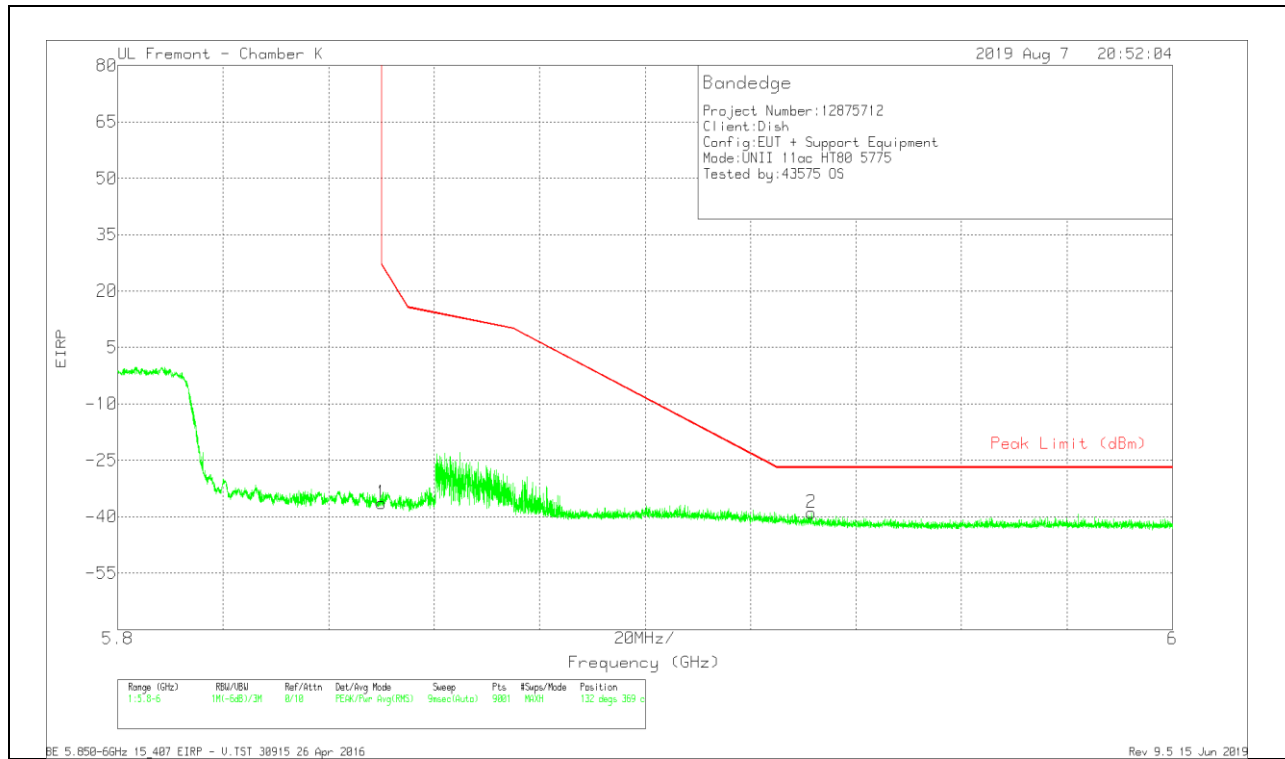
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-68.42	Pk	35	-18.9	11.8	0	-40.52	26.95	-67.47	155	398	H
2	5.93835	-68.43	Pk	35.1	-18.7	11.8	0	-40.23	-27	-13.23	155	398	H

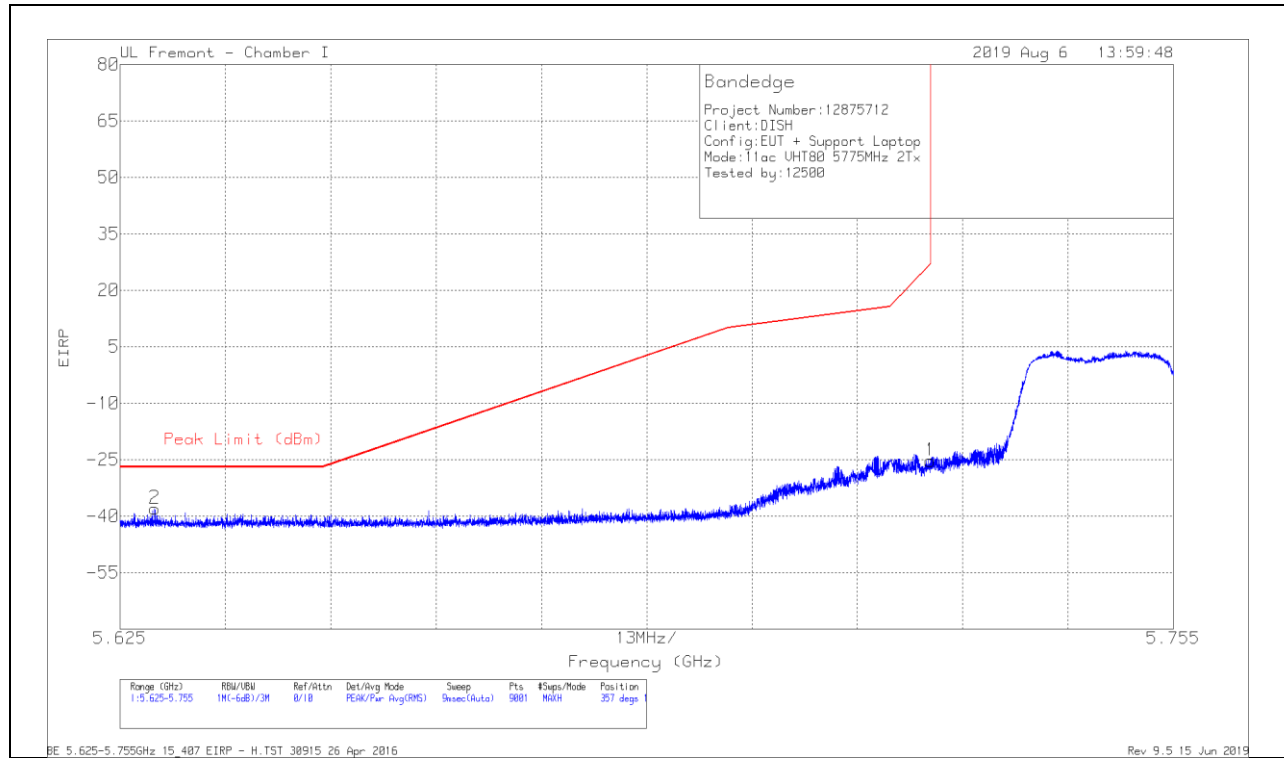
Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-64.34	Pk	35	-18.9	11.8	0	-36.44	26.95	-63.39	132	369	V
2	5.9316	-67.18	Pk	35.2	-18.8	11.8	0	-38.98	-27	-11.96	132	369	V

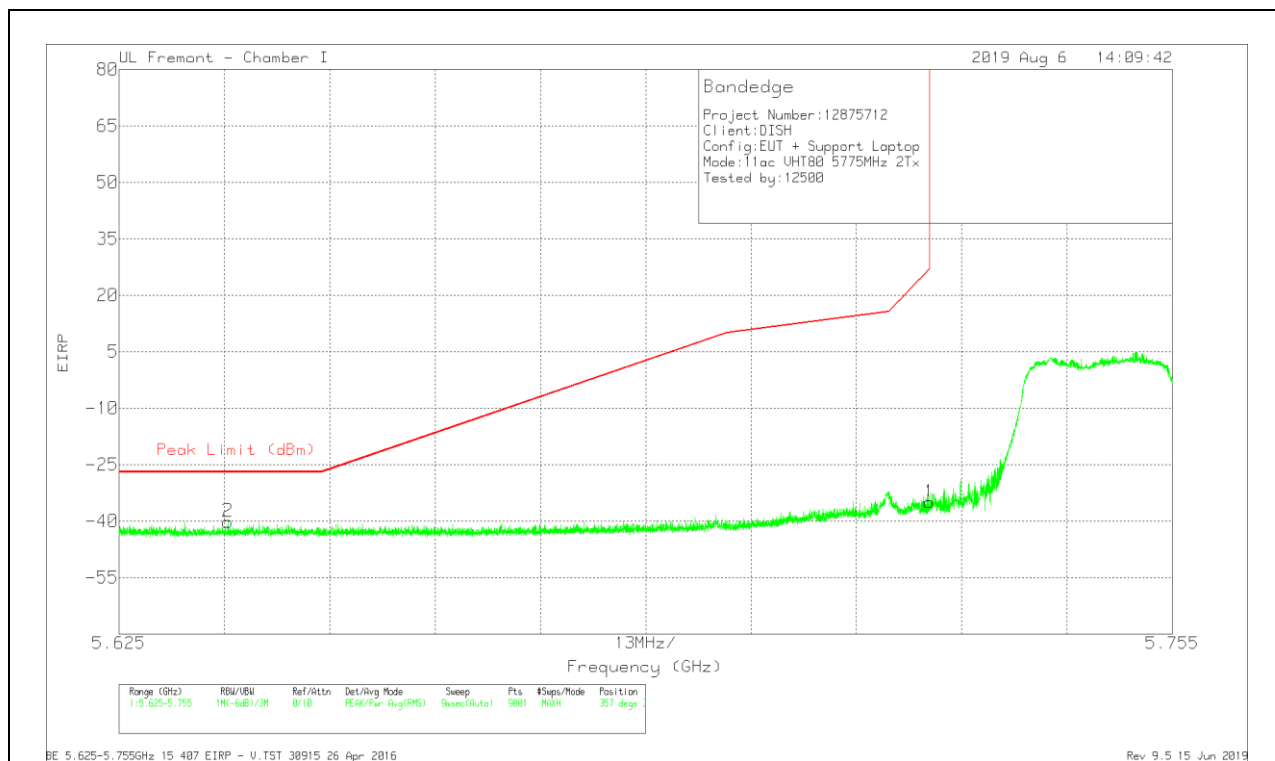
Pk - Peak detector

2TX Antenna 1 + Antenna 2 CDD MODE**BANDEDGE (CHANNEL 155 LOW EDGE)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-53.48	Pk	34.9	-18.5	11.8	0	-25.28	26.99	-52.27	357	170	H
2	5.62928	-66.39	Pk	35.2	-18.6	11.8	0	-37.99	-27	-10.99	357	170	H

Pk - Peak detector

VERTICAL RESULT

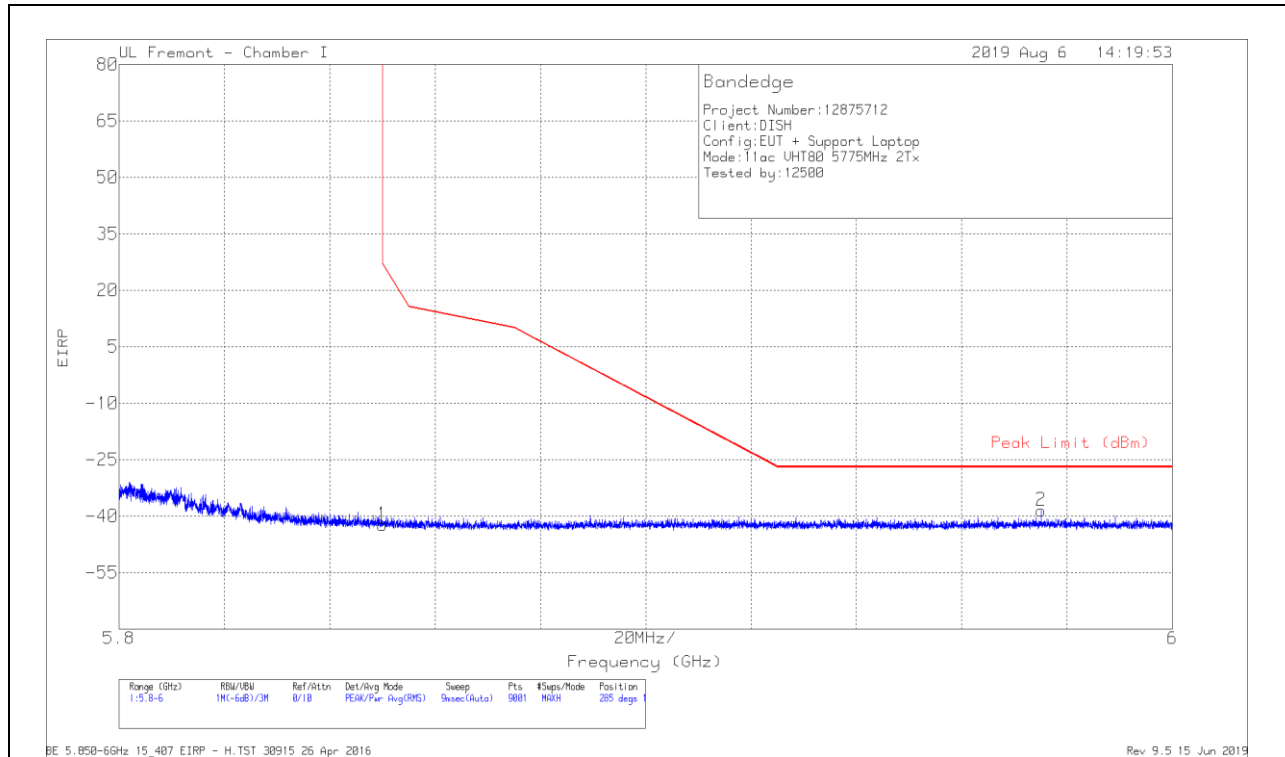


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-63.2	Pk	34.9	-18.5	11.8	-35	26.99	-61.99	357	345	V
2	5.63842	-68.37	Pk	35	-18.6	11.8	-40.17	-27	-13.17	357	345	V

Pk - Peak detector

BANDEDGE (CHANNEL 155 HIGH EDGE)

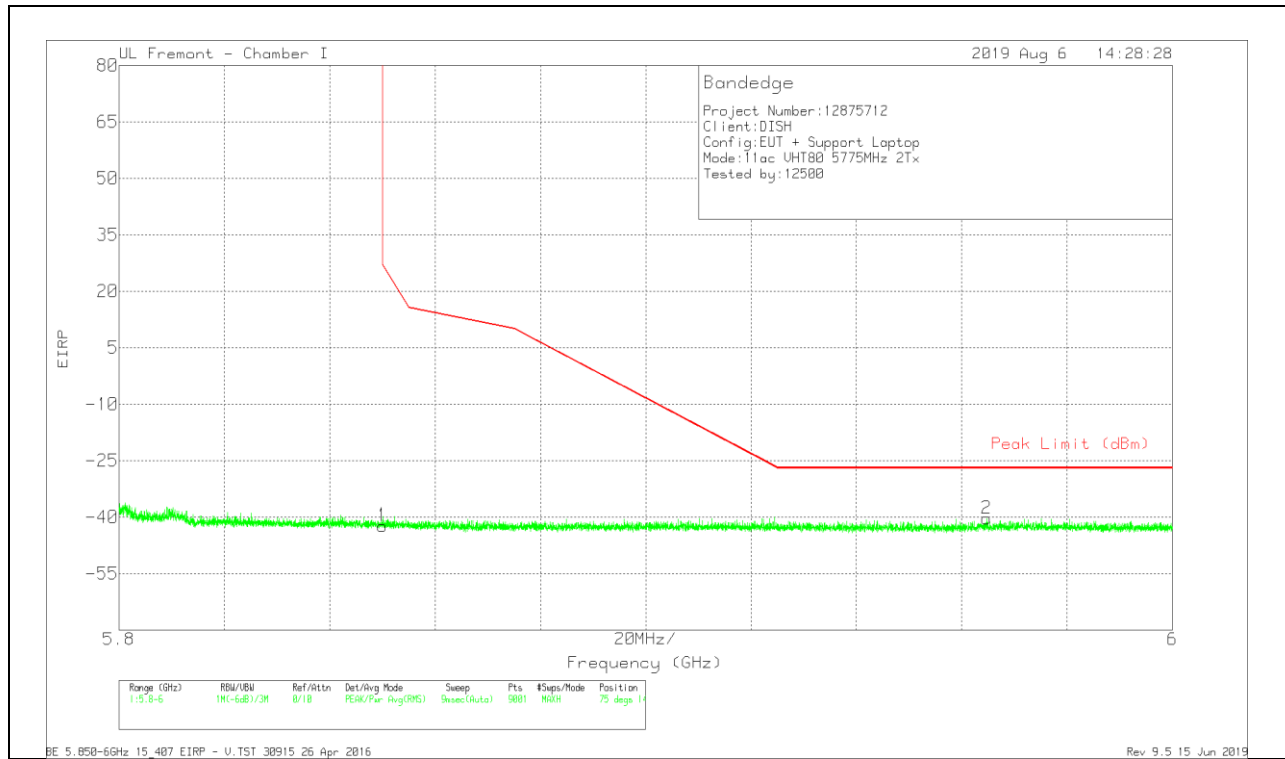
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Fil r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-71.77	Pk	35.1	-17.4	11.8	0	-42.27	26.95	-69.22	285	199	H
2	5.97509	-68.13	Pk	35.2	-17.4	11.8	0	-38.53	-27	-11.53	285	199	H

Pk - Peak detector

VERTICAL RESULT

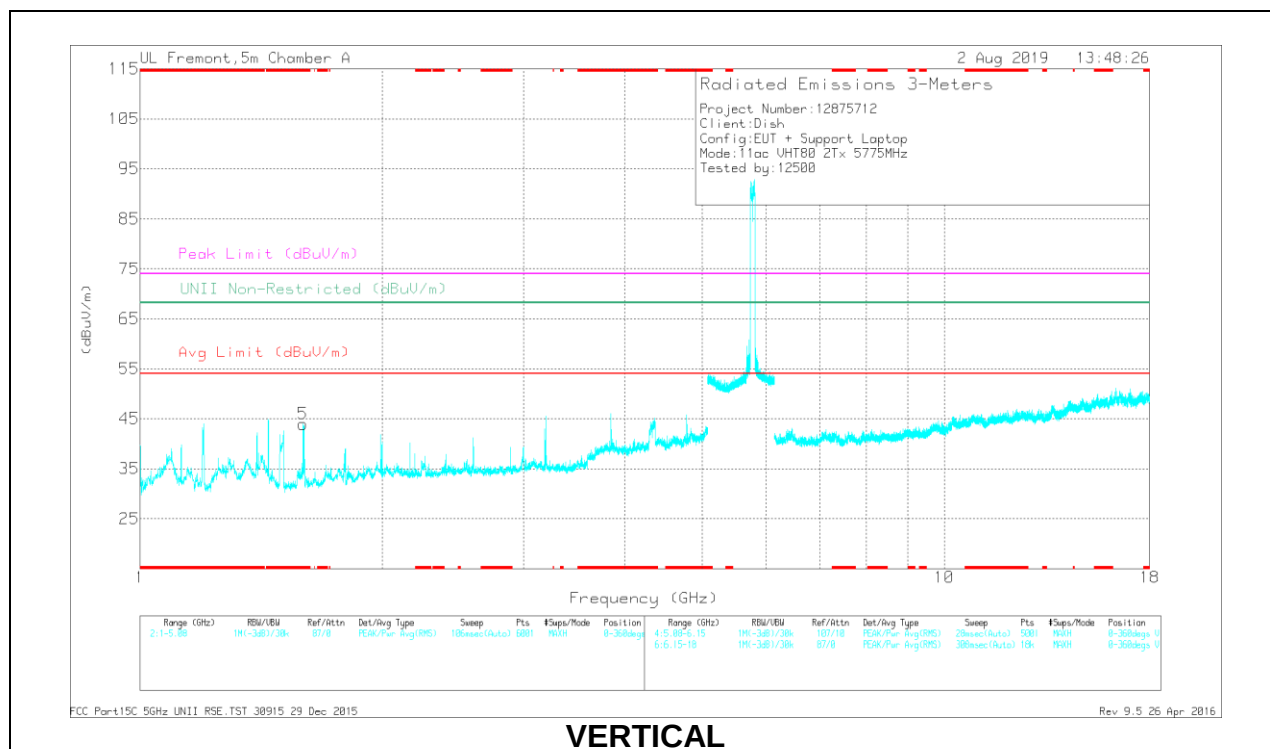
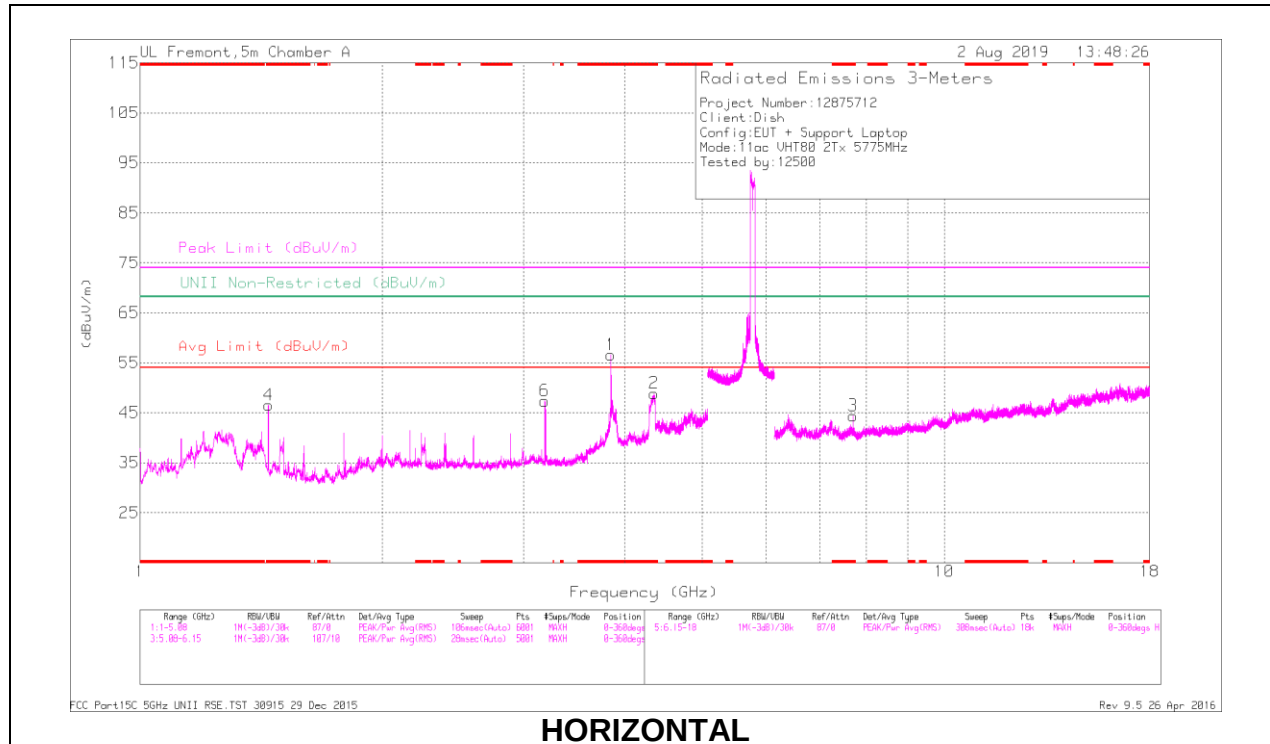


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-71.86	Pk	35.1	-17.4	11.8	-42.36	26.95	-69.31	75	145	V
2	5.96471	-69.89	Pk	35.2	-17.5	11.8	-40.39	-27	-13.39	75	145	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (Hz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 3.85	52.62	PK-U	33.6	-28.3	0	57.92	-	-	74	-16.08	-	-	10	294	H
	* 3.85	46.66	ADR	33.6	-28.3	.27	52.23	54	-1.77	-	-	-	-	10	294	H
2	* 4.355	49.27	PK-U	33.7	-28.4	0	54.57	-	-	74	-19.43	-	-	34	260	H
	* 4.356	37.9	ADR	33.7	-28.4	.27	43.47	54	-10.53	-	-	-	-	34	260	H
4	* 1.444	52.39	PK-U	28.3	-31.7	0	48.99	-	-	74	-25.01	-	-	23	396	H
	* 1.444	46.62	ADR	28.3	-31.7	.27	43.49	54	-10.51	-	-	-	-	23	396	H
5	* 1.596	56.01	PK-U	28.1	-31.9	0	52.21	-	-	74	-21.79	-	-	50	143	V
	* 1.593	36.87	ADR	28.1	-31.9	.27	33.34	54	-20.66	-	-	-	-	50	143	V
3	* 7.7	37.82	PK-U	35.8	-23.1	0	50.52	-	-	74	-23.48	-	-	9	248	H
	* 7.7	28.23	ADR	35.8	-23.1	.27	41.2	54	-12.8	-	-	-	-	9	248	H
6	3.188	49.55	PK-U	32.9	-29.3	0	53.15	-	-	-	-	68.2	-15.05	308	381	H

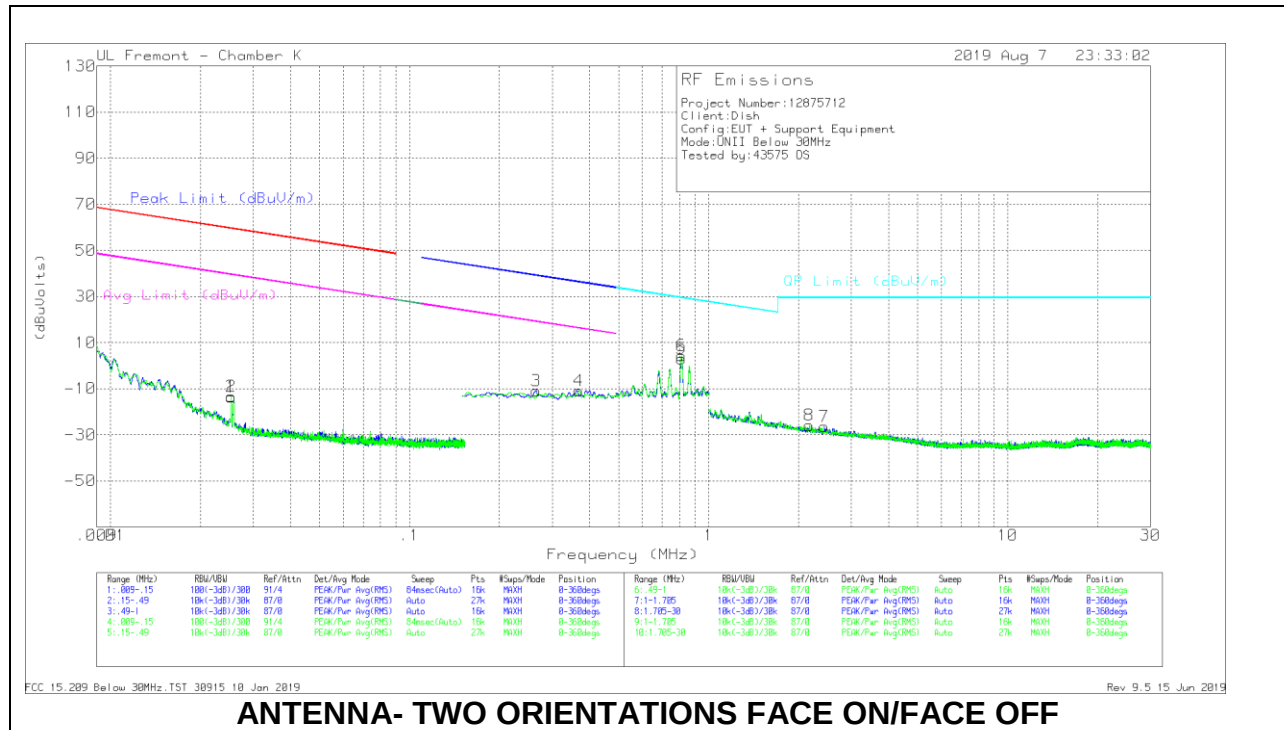
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2. WORST CASE BELOW 30MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data

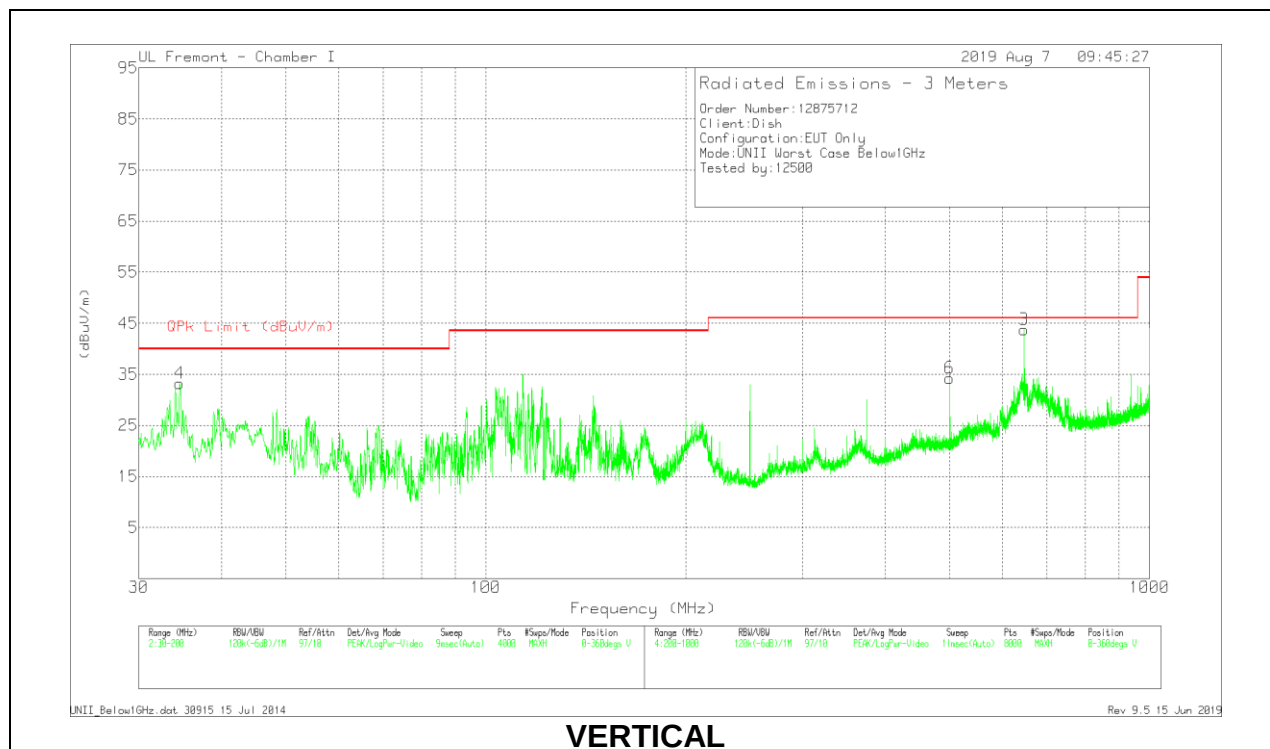
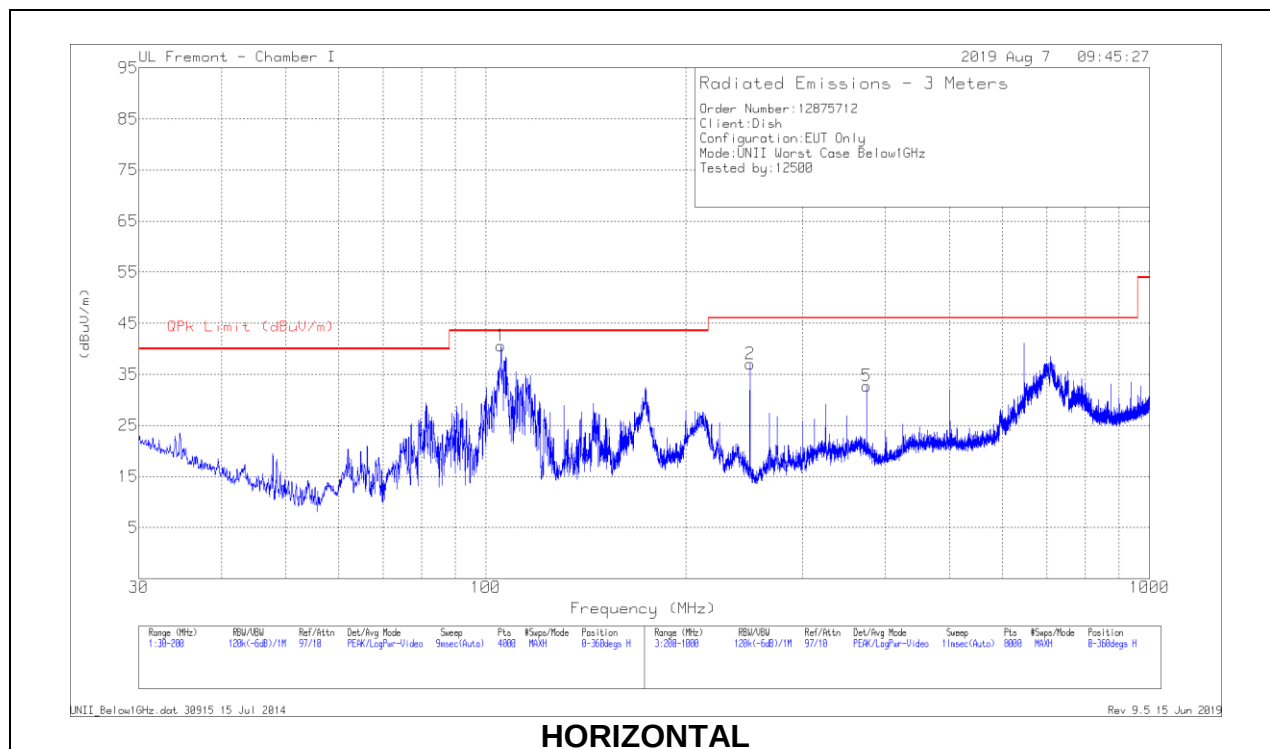
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE018 6650	Dist Corr 300 m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.02535	.35	Pk	58.2	-32.2	-40	-13.65	59.5	-73.15	39.5	-53.15	-	-	-	-	0-360
3	.2646	5.06	Pk	56.1	-32.1	-40	-10.94	-	-	-	-	39.16	-50.1	10.16	-30.1	0-360
2	.02536	.65	Pk	58.2	-32.2	-40	-13.35	59.5	-72.85	39.5	-52.85	-	-	-	-	0-360
4	.36884	5.09	Pk	56	-32.1	-40	-11.01	-	-	-	-	36.27	-47.28	16.27	-27.28	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE0186650	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	.81091	18.93	Pk	56.1	-32.1	-40	2.93	29.44	-26.51	0-360
6	.81082	20.23	Pk	56.1	-32.1	-40	4.23	29.44	-25.21	0-360
7	2.43546	5.09	Pk	40.4	-32	-40	-26.51	29.5	-56.01	0-360
8	2.17346	5.06	Pk	41.1	-32	-40	-25.84	29.5	-55.34	0-360

Pk - Peak detector

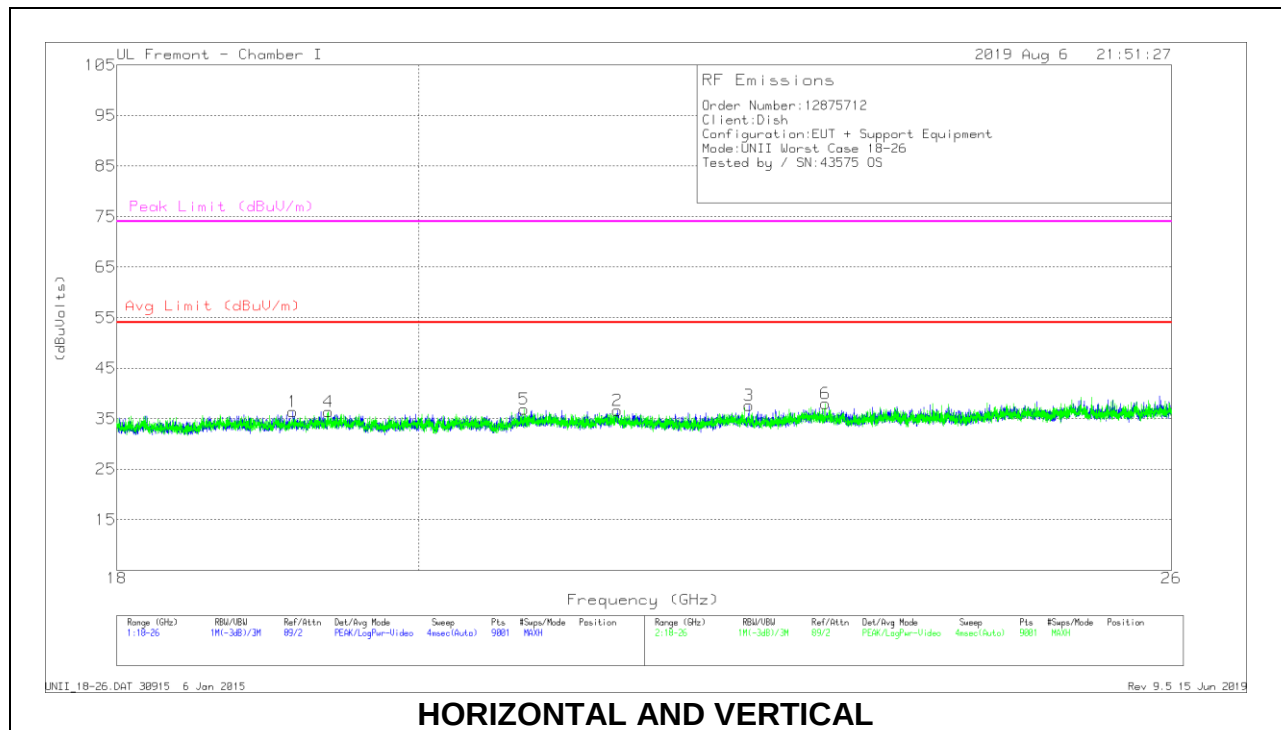
9.3. WORST CASE BELOW 1 GHZ



Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184971 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	105.4145	53.87	Pk	17.5	-30.8	40.57	43.52	-2.95	0-360	299	H
	105.2865	45.32	Qp	17.5	-30.8	32.02	43.52	-11.5	3	320	H
4	34.5912	41.05	Pk	23.6	-31.4	33.25	40	-6.75	0-360	101	V
2	249.9065	49.61	Pk	17.4	-30	37.01	46.02	-9.01	0-360	101	H
5	374.9227	41.56	Pk	20.8	-29.7	32.66	46.02	-13.36	0-360	101	H
3	647.4582	47.04	Pk	25.6	-28.9	43.74	46.02	-2.28	0-360	101	V
	647.5038	47.64	Qp	25.6	-28.9	44.34	46.02	-1.68	165	100	V
6	499.939	40.08	Pk	23.5	-29.3	34.28	46.02	-11.74	0-360	101	V

9.4. WORST CASE 18-26 GHZ

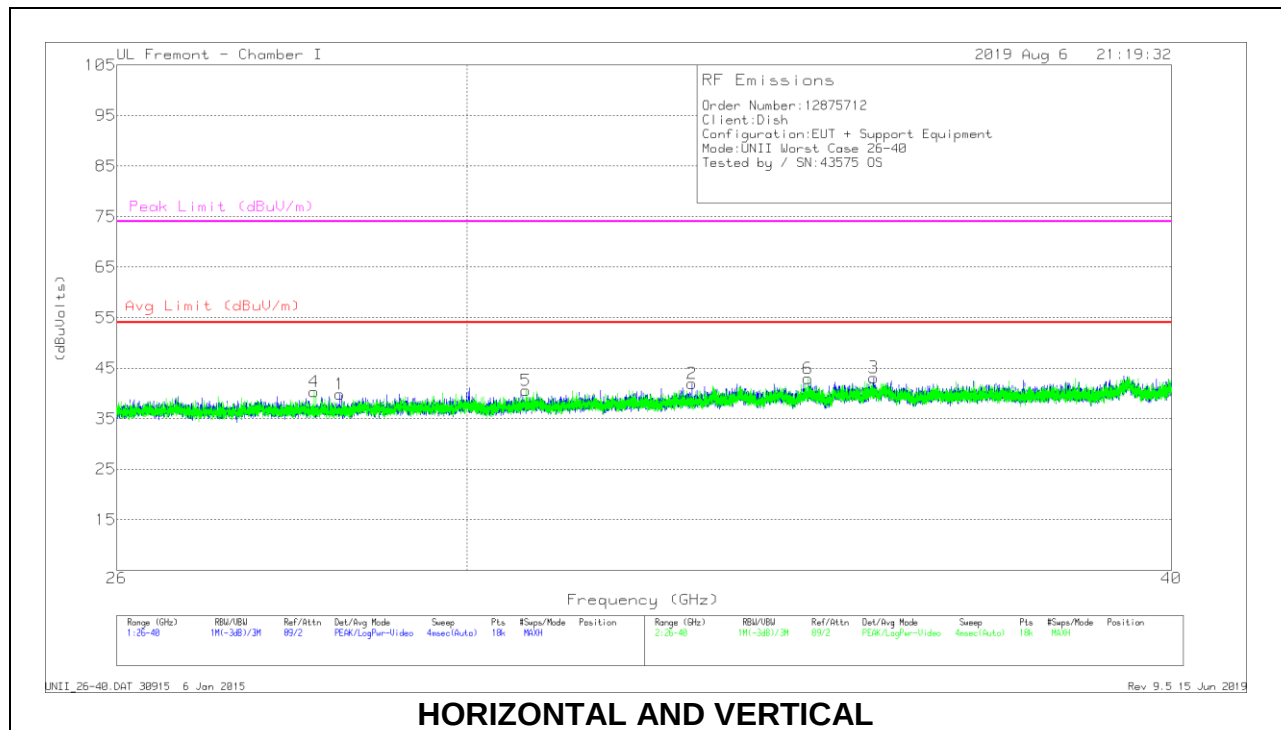


18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE018218 8 (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	19.14133	70.18	Pk	33.3	-57.6	-9.5	36.38	54	-17.62	74	-37.62
2	21.43111	69.48	Pk	33.7	-57	-9.5	36.68	54	-17.32	74	-37.32
3	22.43733	70.59	Pk	34.2	-57.7	-9.5	37.59	54	-16.41	74	-36.41
4	19.37778	69.65	Pk	33.3	-57.1	-9.5	36.35	54	-17.65	74	-37.65
5	20.74756	69.72	Pk	33.4	-56.8	-9.5	36.82	54	-17.18	74	-37.18
6	23.04445	70.71	Pk	34.2	-57.4	-9.5	38.01	54	-15.99	74	-35.99

Pk - Peak detector

9.5. WORST CASE 26-40 GHZ



26 – 40GHz DATA

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	28.47722	67.19	Pk	35.7	-53.5	-9.5	39.89	54	-14.11	74	-34.11
2	32.88567	68.86	Pk	36.6	-54	-9.5	41.96	54	-12.04	74	-32.04
3	35.42434	69.94	Pk	37.8	-55.1	-9.5	43.14	54	-10.86	74	-30.86
4	28.18245	67.95	Pk	35.9	-54	-9.5	40.35	54	-13.65	74	-33.65
5	30.73278	68.05	Pk	36.1	-54.1	-9.5	40.55	54	-13.45	74	-33.45
6	34.484	69.46	Pk	37.4	-54.4	-9.5	42.96	54	-11.04	74	-31.04

Pk - Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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.

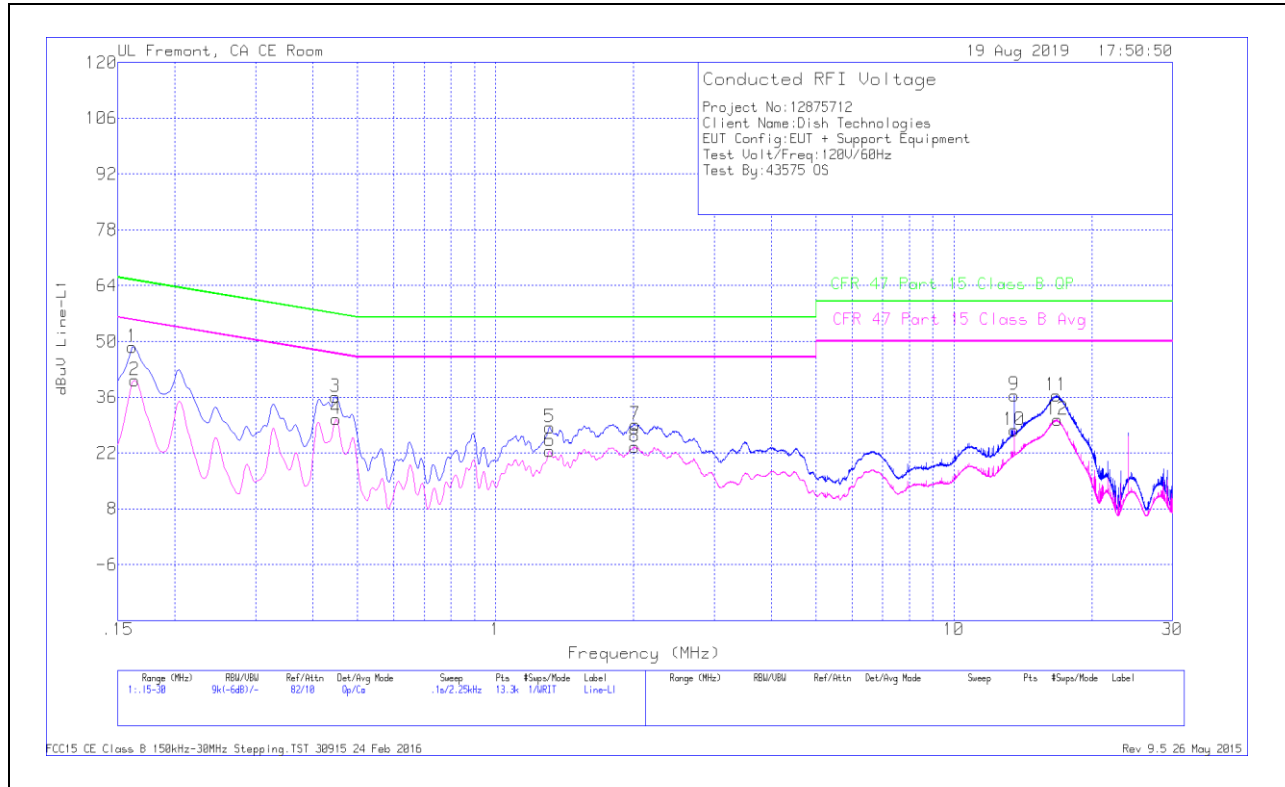
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

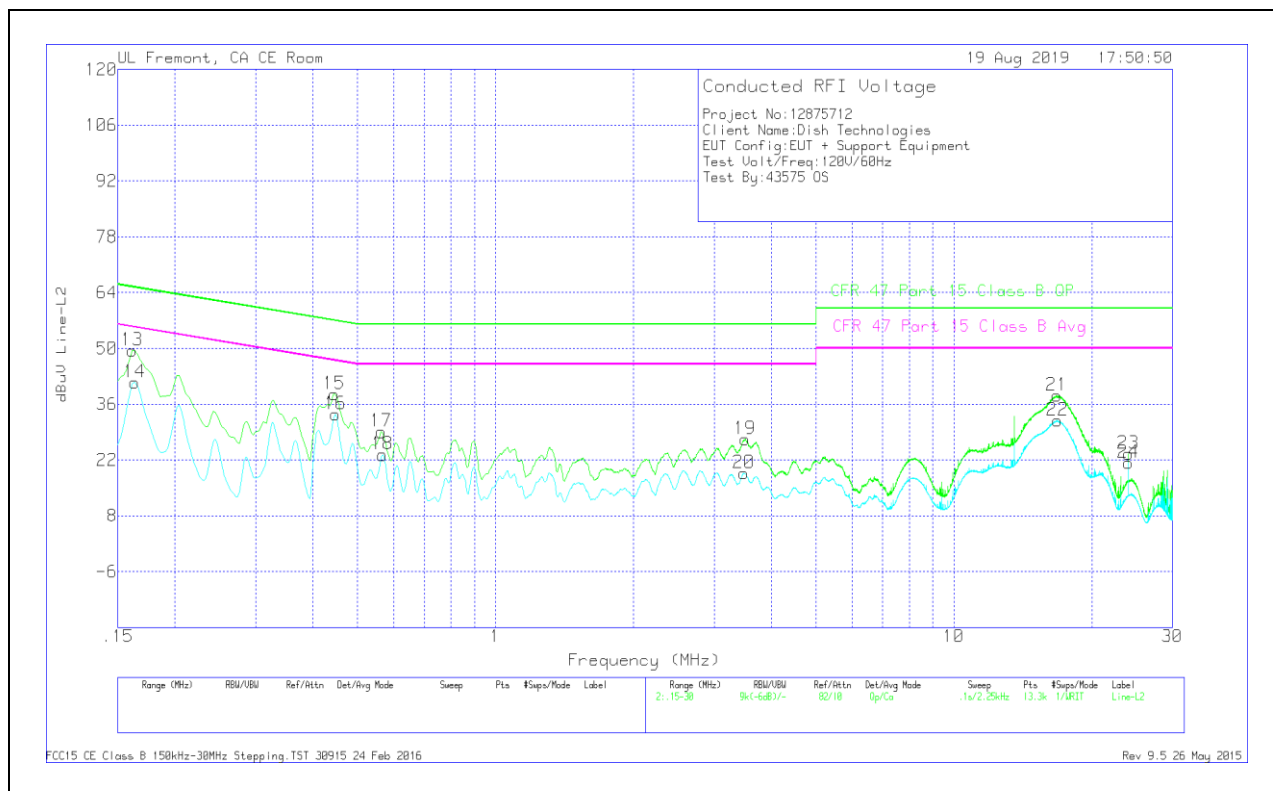
10.1.1. AC Power Line Norm

LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading g (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	.16125	38.36	Qp	.1	0	10.1	48.56	65.4	-16.84	-	-
2	.1635	29.99	Ca	.1	0	10.1	40.19	-	-	55.28	-15.09
3	.447	25.93	Qp	0	0	10.1	36.03	56.93	-20.9	-	-
4	.44925	20.44	Ca	0	0	10.1	30.54	-	-	46.89	-16.35
5	1.31325	18.25	Qp	0	.1	10.1	28.45	56	-27.55	-	-
6	1.31325	12.34	Ca	0	.1	10.1	22.54	-	-	46	-23.46
7	2.01638	18.99	Qp	0	.1	10.1	29.19	56	-26.81	-	-
8	2.01075	13.35	Ca	0	.1	10.1	23.55	-	-	46	-22.45
9	13.56	26.03	Qp	.1	.2	10.2	36.53	60	-23.47	-	-
10	13.56	17.2	Ca	.1	.2	10.2	27.7	-	-	50	-22.3
11	16.755	25.71	Qp	.1	.3	10.3	36.41	60	-23.59	-	-
12	16.83825	19.64	Ca	.1	.3	10.3	30.34	-	-	50	-19.66

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&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)
13	.16125	39.21	Qp	.1	0	10.1	49.41	65.4	-15.99	-	-
14	.1635	31.33	Ca	.1	0	10.1	41.53	-	-	55.28	-13.75
15	.44475	28.42	Qp	0	0	10.1	38.52	56.97	-18.45	-	-
16	.447	23.32	Ca	0	0	10.1	33.42	-	-	46.93	-13.51
17	.564	18.96	Qp	0	0	10.1	29.06	56	-26.94	-	-
18	.56625	13.22	Ca	0	0	10.1	23.32	-	-	46	-22.68
19	3.507	16.99	Qp	0	.1	10.1	27.19	56	-28.81	-	-
20	3.48225	8.5	Ca	0	.1	10.1	18.7	-	-	46	-27.3
21	16.782	27.5	Qp	.1	.3	10.3	38.2	60	-21.8	-	-
22	16.83825	21.2	Ca	.1	.3	10.3	31.9	-	-	50	-18.1
23	24.054	12.62	Qp	.1	.3	10.5	23.52	60	-36.48	-	-
24	24.054	10.43	Ca	.1	.3	10.5	21.33	-	-	50	-28.67