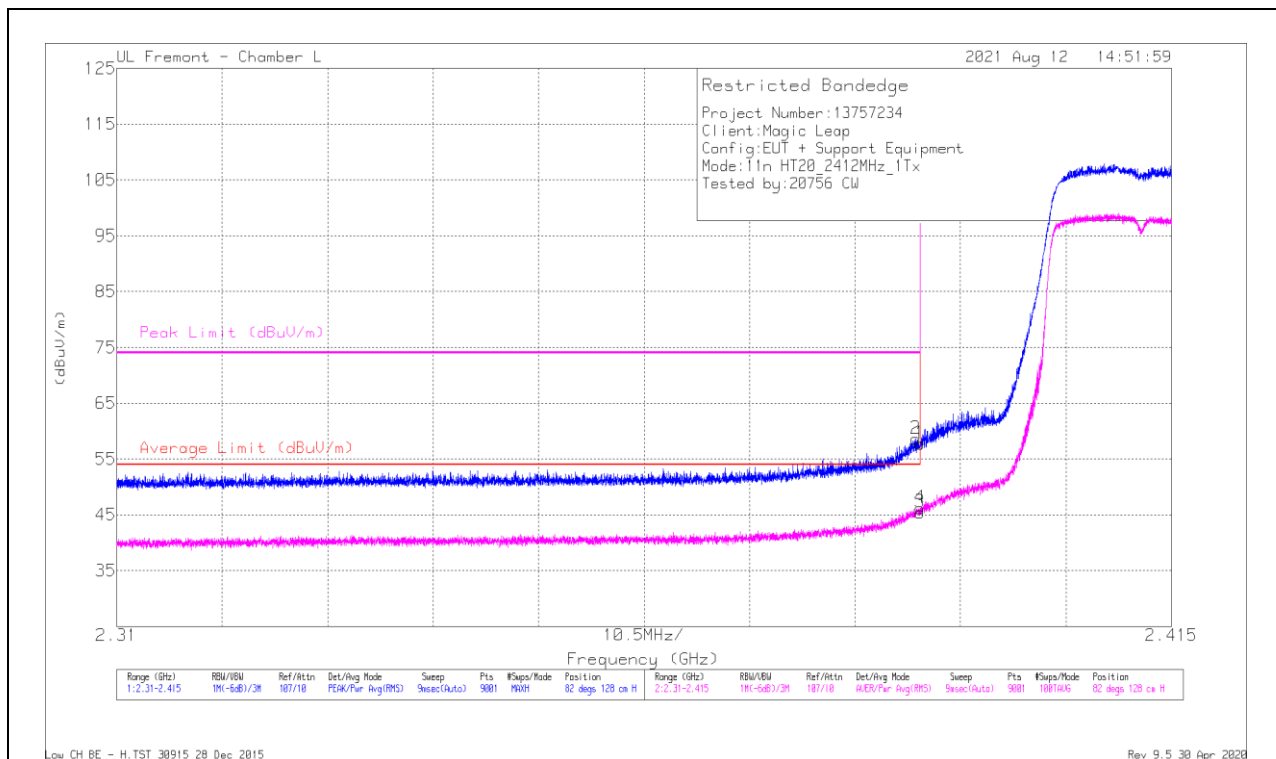


10.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



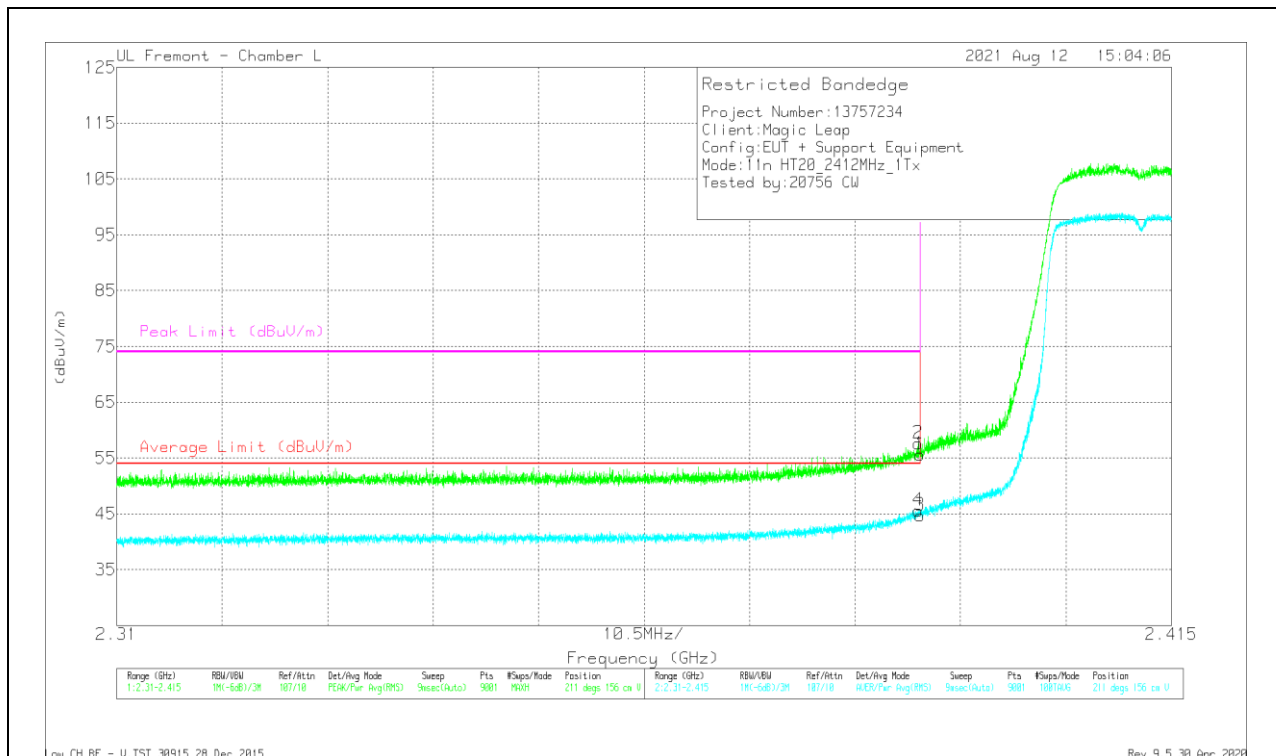
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	45	Pk	32	-19.3	57.7	-	-	74	-16.3	82	128	H
2	* 2.38956	45.92	Pk	32	-19.3	58.62	-	-	74	-15.38	82	128	H
3	* 2.38999	32.79	RMS	32	-19.3	45.49	54	-8.51	-	-	82	128	H
4	* 2.38998	33.47	RMS	32	-19.3	46.17	54	-7.83	-	-	82	128	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 T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	42.96	Pk	32	-19.3	55.66	-	-	74	-18.34	211	156	V
2	* 2.38978	44.97	Pk	32	-19.3	57.67	-	-	74	-16.33	211	156	V
3	* 2.38999	31.99	RMS	32	-19.3	44.69	54	-9.31	-	-	211	156	V
4	* 2.3898	32.85	RMS	32	-19.3	45.55	54	-8.45	-	-	211	156	V

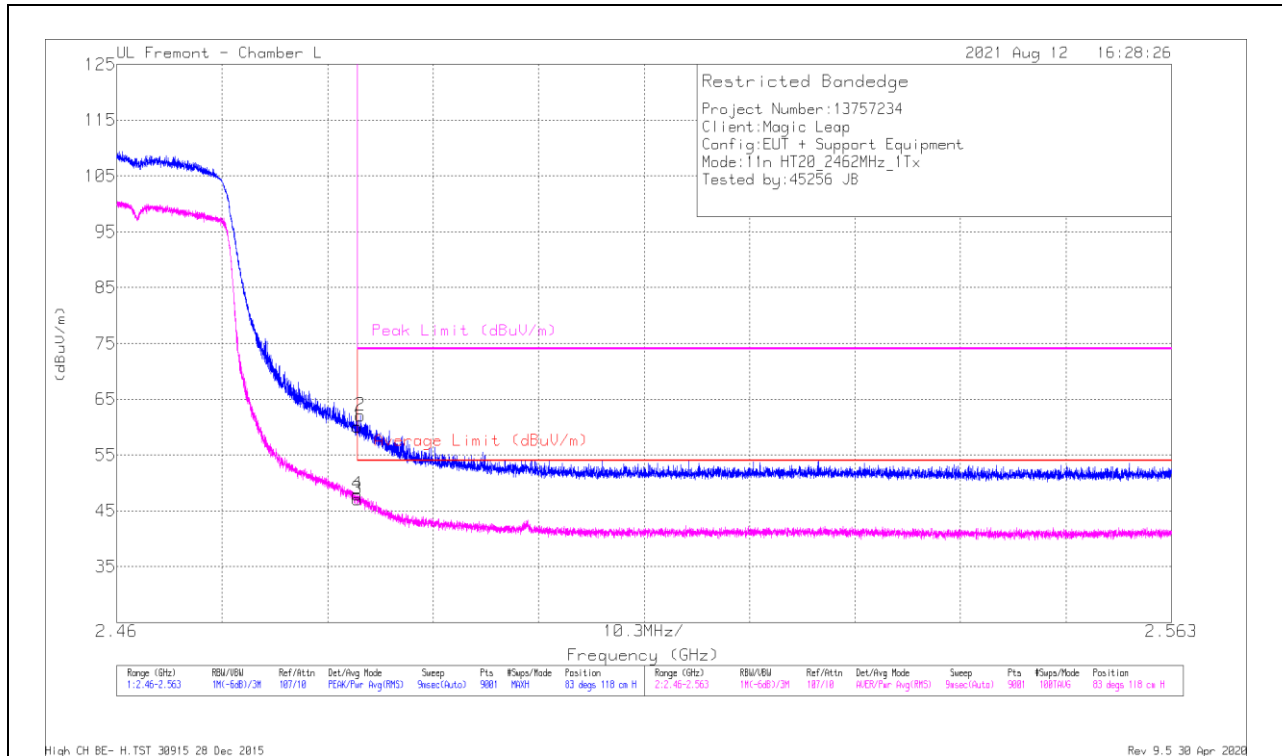
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



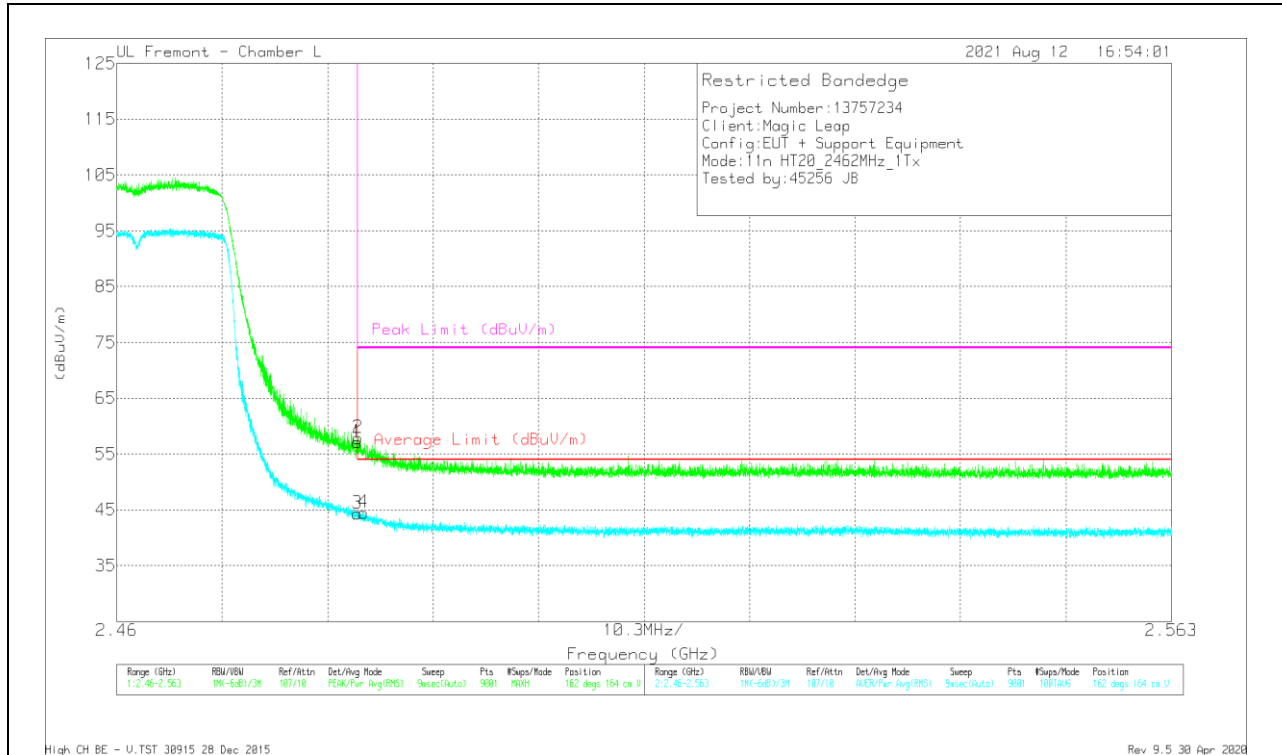
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb1/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	46.77	Pk	32.3	-19	60.07	-	-	74	-13.93	83	118	H
2	* 2.48382	48.78	Pk	32.3	-19	62.08	-	-	74	-11.92	83	118	H
3	* 2.48351	33.81	RMS	32.3	-19	47.11	54	-6.89	-	-	83	118	H
4	* 2.48352	34.58	RMS	32.3	-19	47.88	54	-6.12	-	-	83	118	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

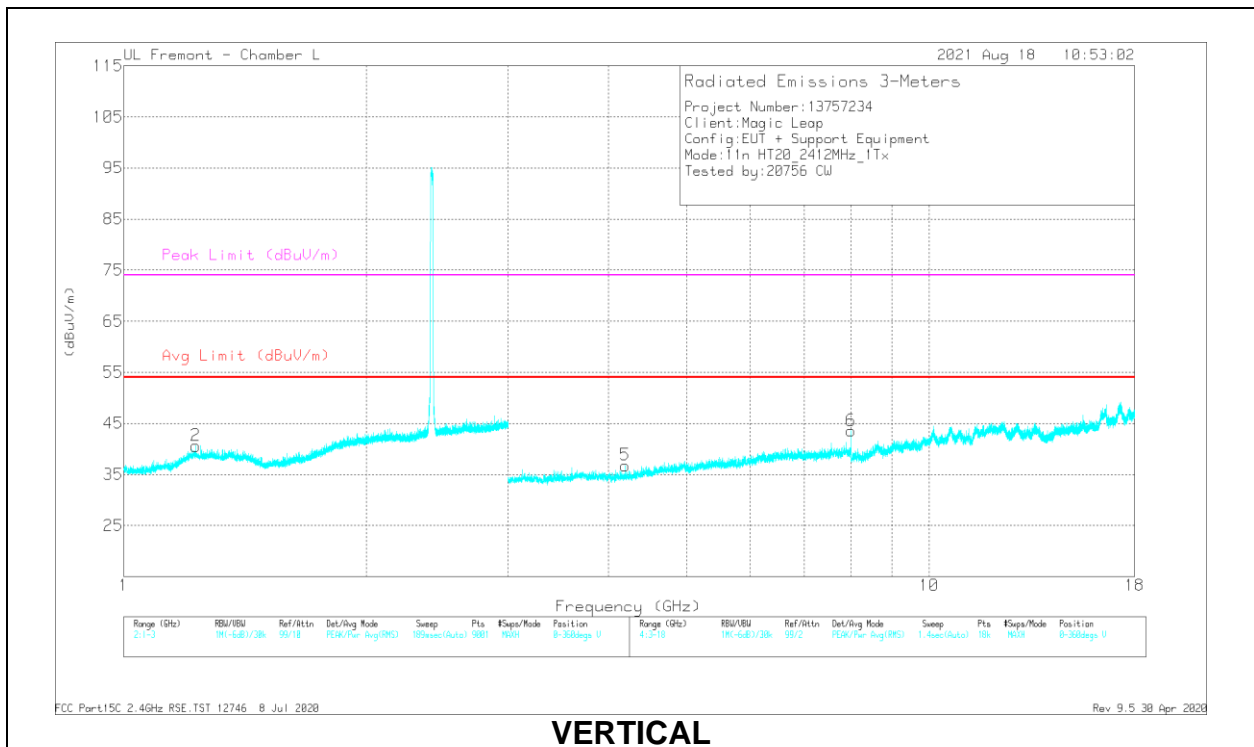
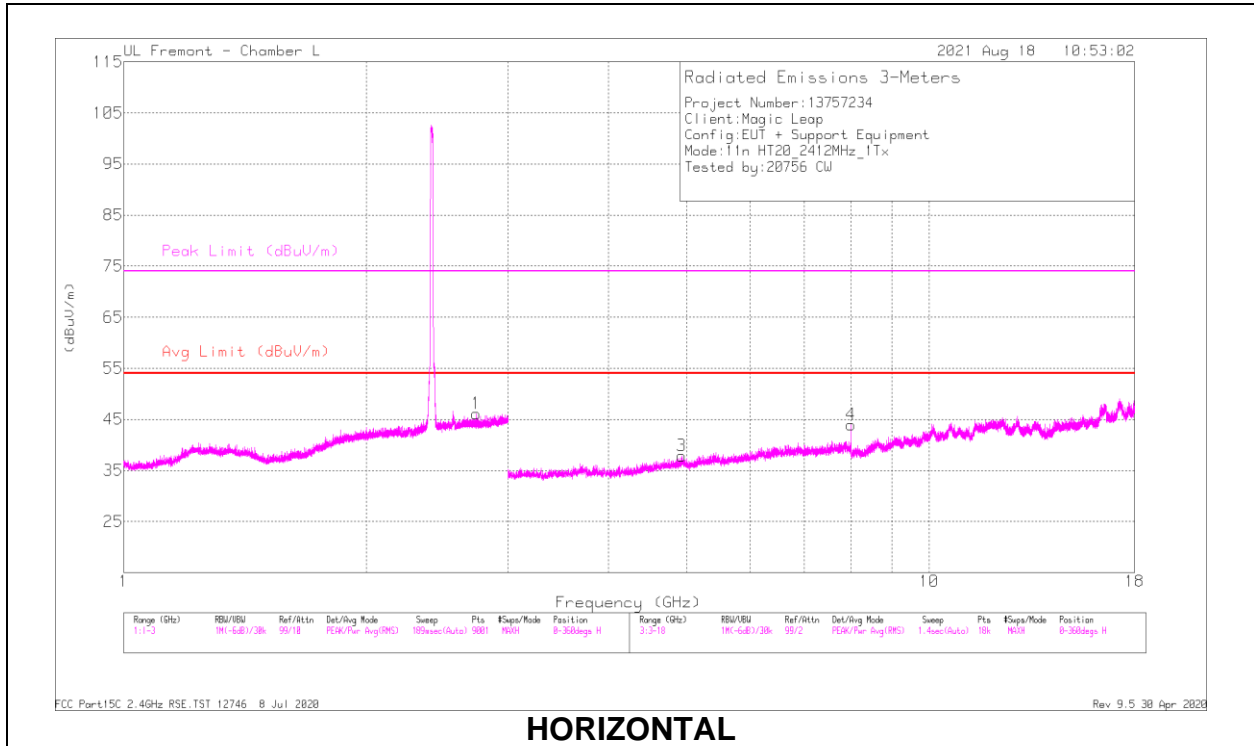


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/CBI/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.78	Pk	32.3	-19	57.08	-	-	74	-16.92	162	164	V
2	* 2.48354	44.61	Pk	32.3	-19	57.91	-	-	74	-16.09	162	164	V
3	* 2.48351	31.03	RMS	32.3	-19	44.33	54	-9.67	-	-	162	164	V
4	* 2.48408	31.17	RMS	32.3	-19	44.47	54	-9.53	-	-	162	164	V

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

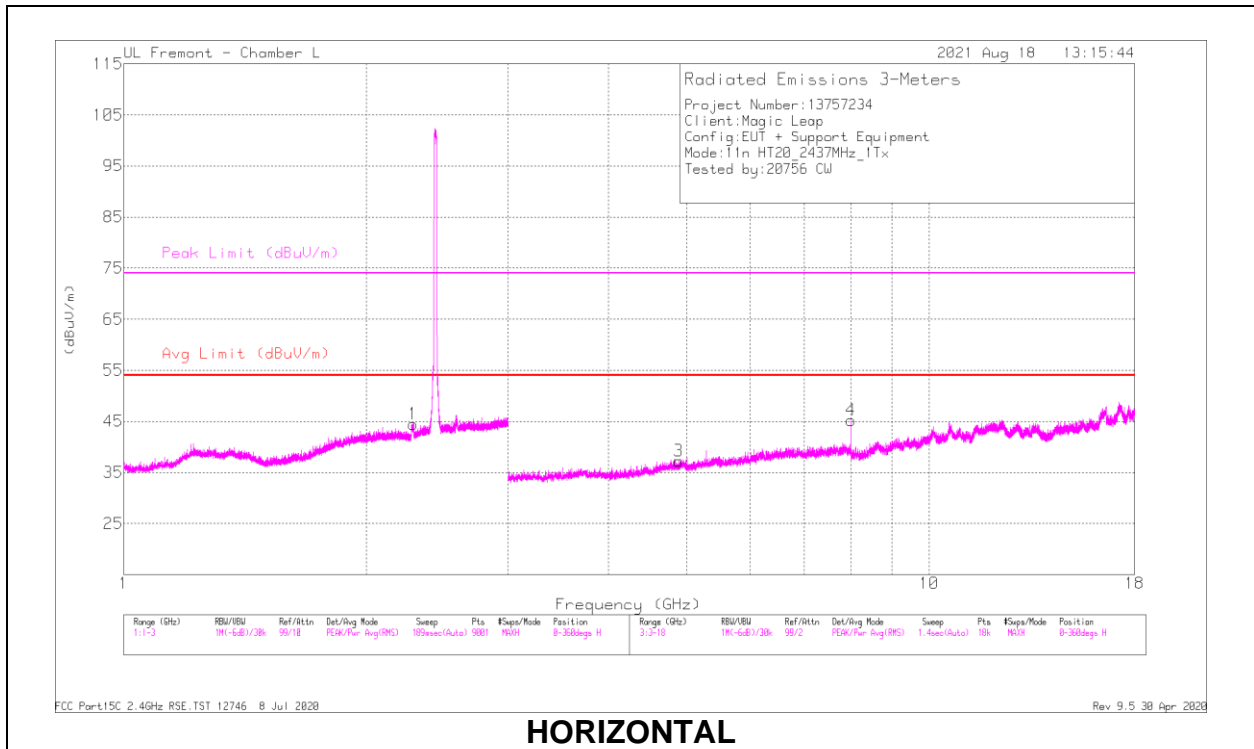
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.73964	37.47	PK2	32.5	-18.4	51.57	-	-	74	-22.43	240	130	H
	* 2.73958	27.29	MAv1	32.5	-18.4	41.39	54	-12.61	-	-	240	130	H
2	* 1.22968	41.12	PK2	30.1	-23.1	48.12	-	-	74	-25.88	74	115	V
	* 1.22734	29.34	MAv1	30.1	-23.1	36.34	54	-17.66	-	-	74	115	V
3	* 4.92626	35.35	PK2	34.2	-23.5	46.05	-	-	74	-27.95	339	191	H
	* 4.92529	23.53	MAv1	34.2	-23.5	34.23	54	-19.77	-	-	339	191	H
4	8.00004	33.18	PK2	35.8	-19.2	49.78	-	-	-	-	104	101	H
5	* 4.19946	35.21	PK2	33	-25.2	43.01	-	-	74	-30.99	276	329	V
	* 4.19803	23.9	MAv1	33	-25.1	31.8	54	-22.2	-	-	276	329	V
6	8.00001	31.95	PK2	35.8	-19.2	48.55	-	-	-	-	116	164	V

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

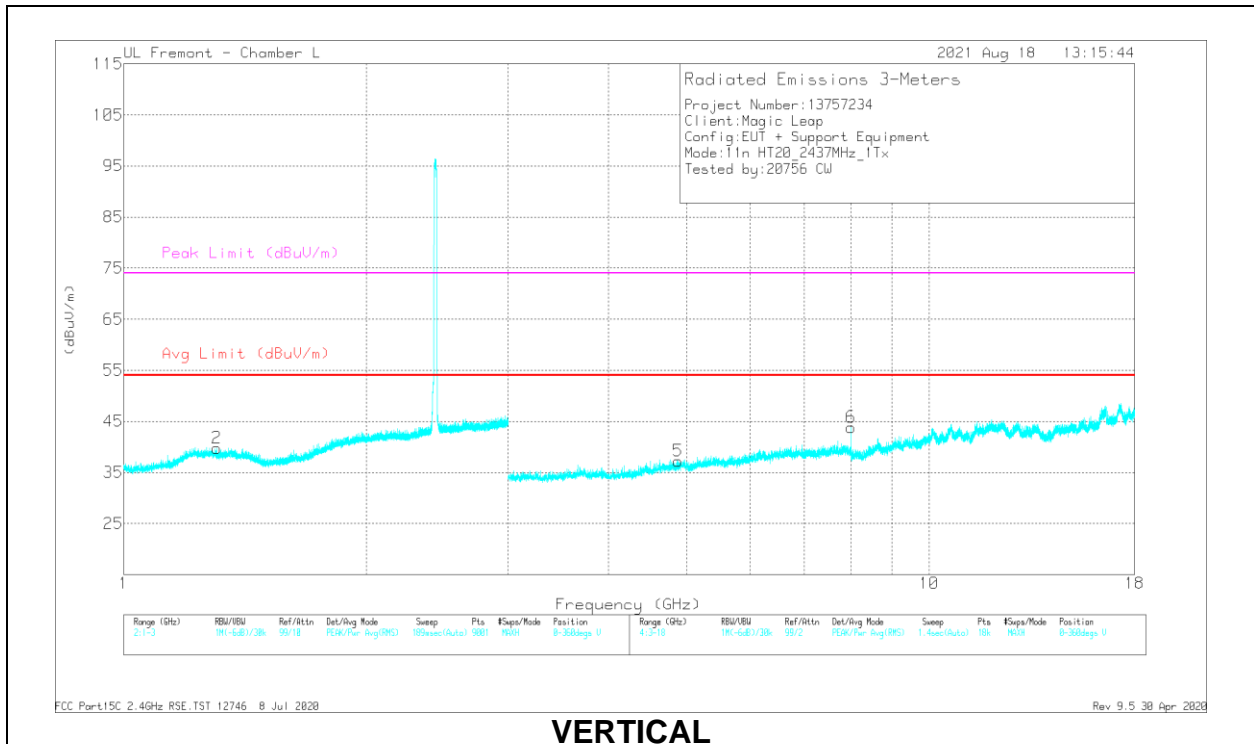
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

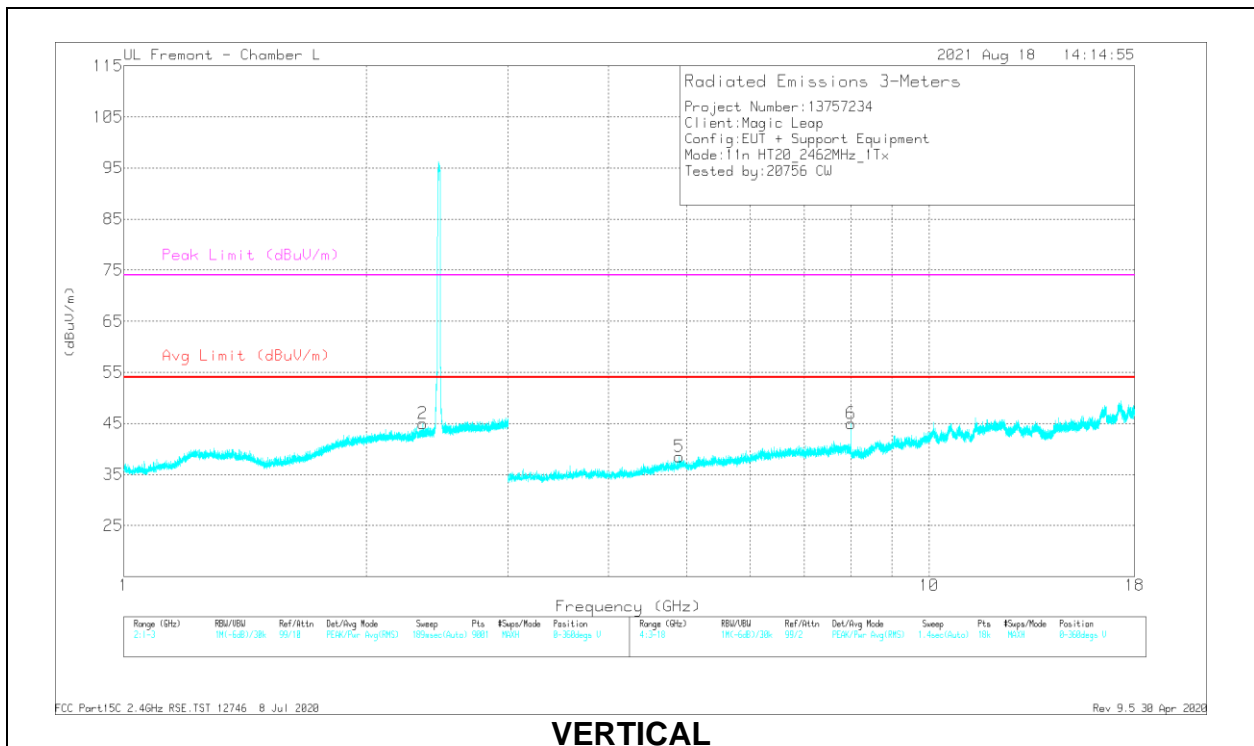
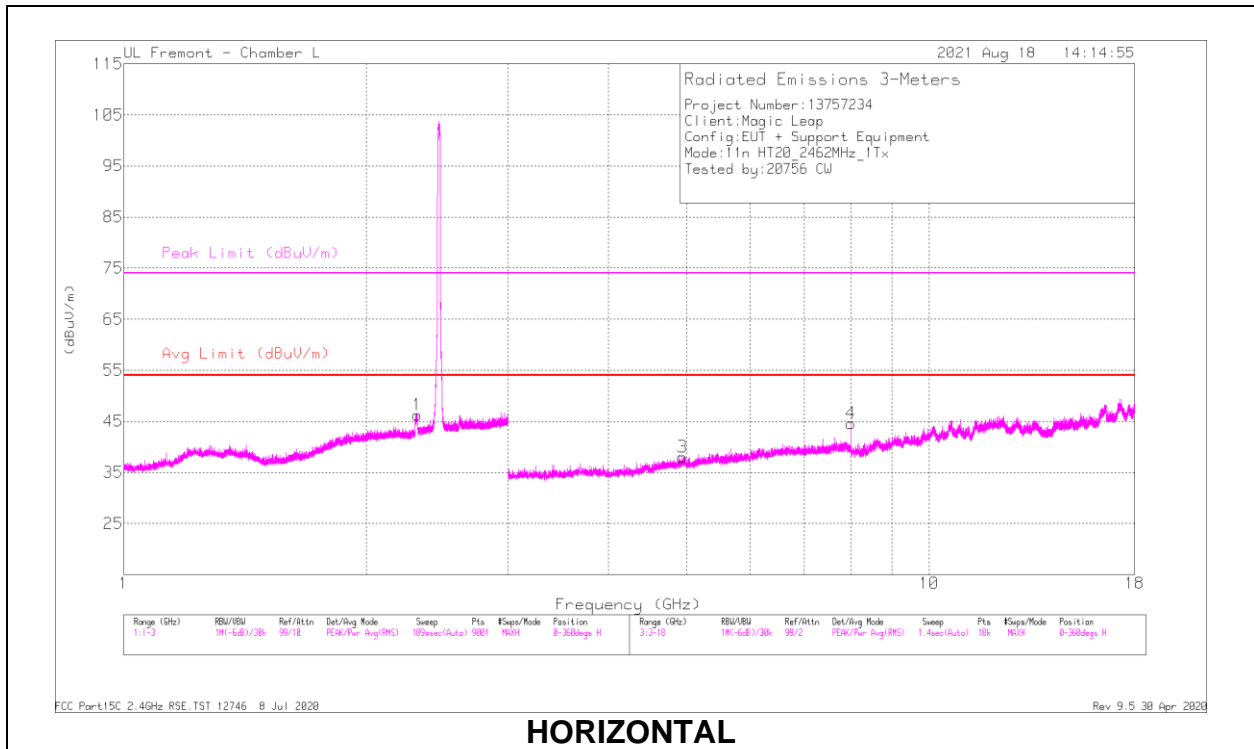
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Prod (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.28531	41.37	PK2	31.4	-19.7	53.07	-	-	74	-20.93	270	130	H
	* 2.28489	30.12	MAv1	31.4	-19.7	41.82	54	-12.18	-	-	270	130	H
2	* 1.30281	39.49	PK2	29.6	-22.8	46.29	-	-	74	-27.71	298	128	V
	* 1.30327	28.76	MAv1	29.6	-22.8	35.56	54	-18.44	-	-	298	128	V
3	* 4.88587	34.8	PK2	34.2	-24.2	44.8	-	-	74	-29.2	121	323	H
	* 4.88721	23.41	MAv1	34.2	-24.2	33.41	54	-20.59	-	-	121	323	H
4	8.00005	33.14	PK2	35.8	-19.2	49.74	-	-	-	-	105	214	H
	* 4.88109	35.44	PK2	34.2	-24.3	45.34	-	-	74	-28.66	336	110	V
6	* 4.88172	24.15	MAv1	34.2	-24.3	34.05	54	-19.95	-	-	336	110	V
	8	33.97	PK2	35.8	-19.2	50.57	-	-	-	-	299	105	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Prod (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.31488	42.34	PK2	31.7	-19.6	54.44	-	-	74	-19.56	275	105	H
	* 2.31471	31.8	MAv1	31.7	-19.6	43.9	54	-10.1	-	-	275	105	H
2	* 2.35022	38.6	PK2	32	-19.5	51.1	-	-	74	-22.9	295	124	V
	* 2.353	27.98	MAv1	32	-19.5	40.48	54	-13.52	-	-	295	124	V
3	* 4.94284	34.32	PK2	34.2	-23.1	45.42	-	-	74	-28.58	59	173	H
	* 4.94065	23.23	MAv1	34.2	-23.2	34.23	54	-19.77	-	-	59	173	H
4	8.00014	34.75	PK2	35.8	-19.2	51.35	-	-	-	-	104	103	H
	* 4.89423	35.31	PK2	34.1	-24.1	45.31	-	-	74	-28.69	291	114	V
5	* 4.89201	24.47	MAv1	34.1	-24.1	34.47	54	-19.53	-	-	291	114	V
	7.99989	33.11	PK2	35.8	-19.2	49.71	-	-	-	-	296	105	V

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

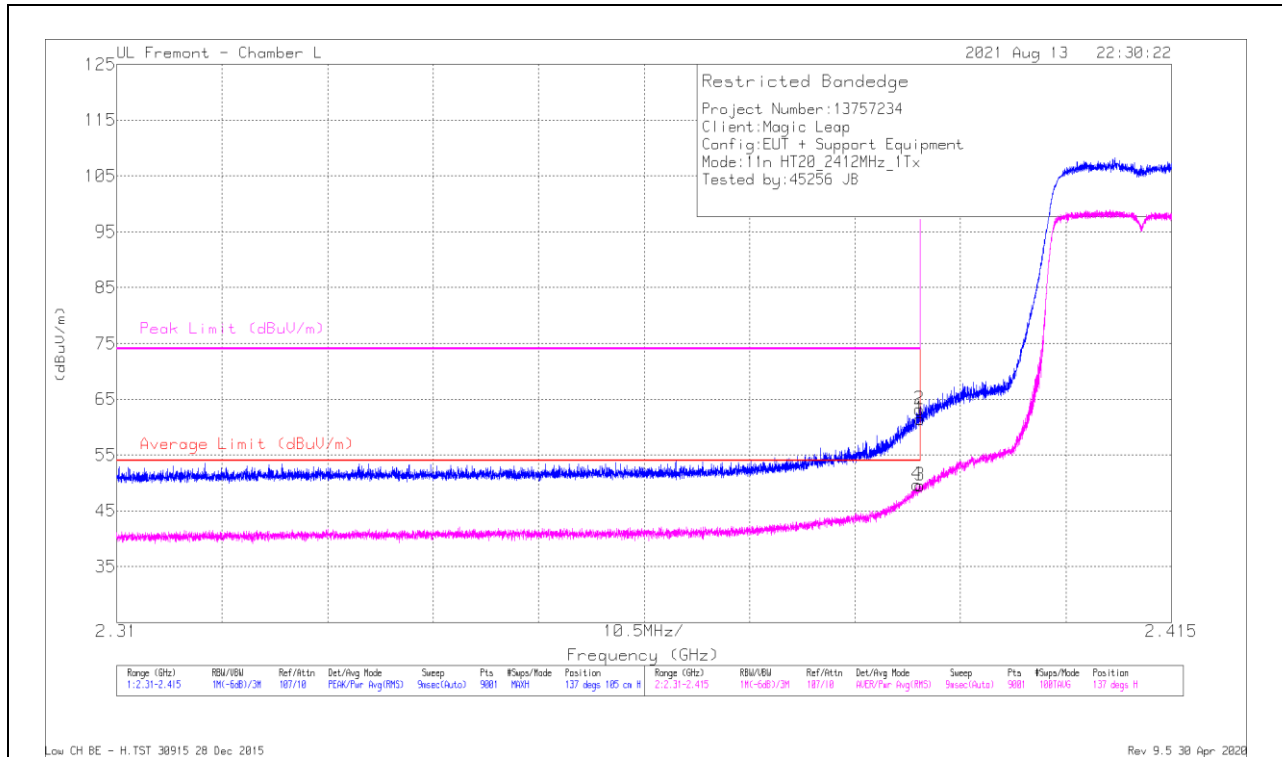
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1TX Antenna 2 MODE

BANDEDGE (LOW CHANNEL, CH 1)

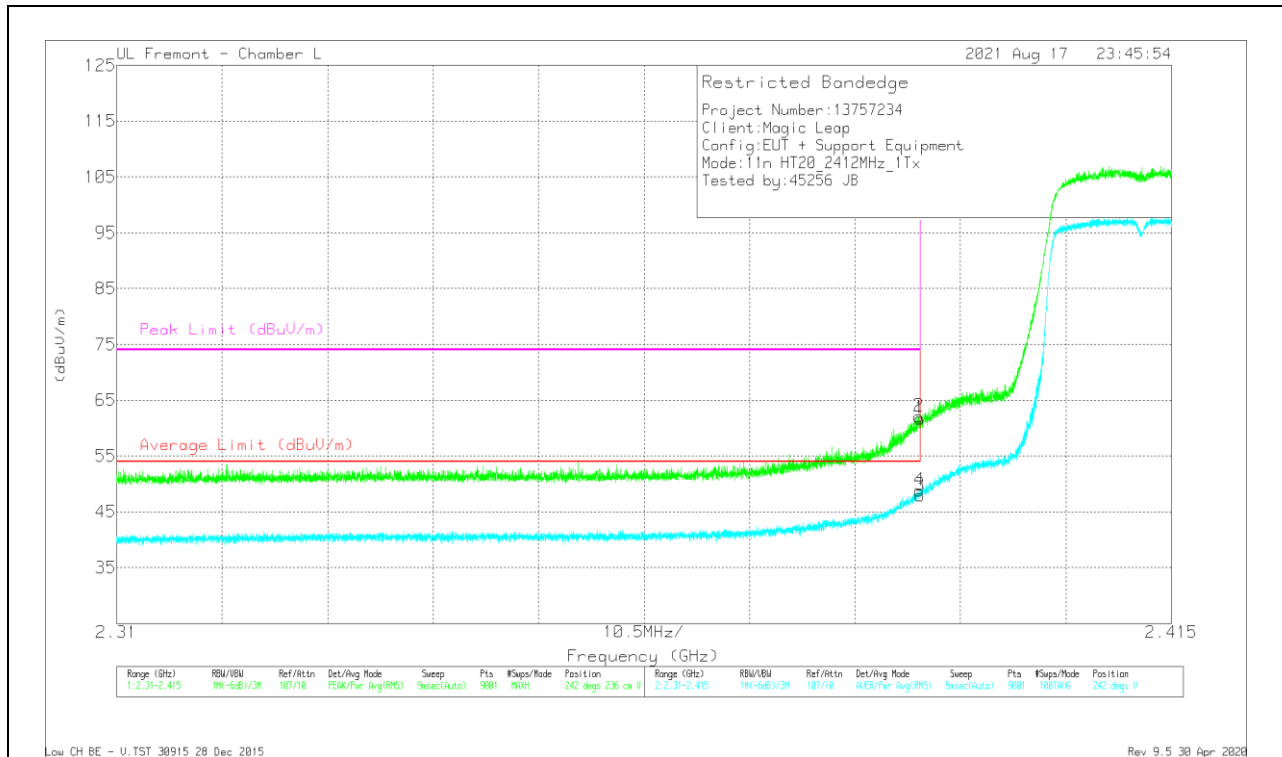
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/CbI/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	48.8	Pk	32	-19.3	61.5	-	-	74	-12.5	137	105	H
2	* 2.38992	50.47	Pk	32	-19.3	63.17	-	-	74	-10.83	137	105	H
3	* 2.38999	36.84	RMS	32	-19.3	49.54	54	-4.46	-	-	137	105	H
4	* 2.38964	36.93	RMS	32	-19.3	49.63	54	-4.37	-	-	137	105	H

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

VERTICAL RESULT

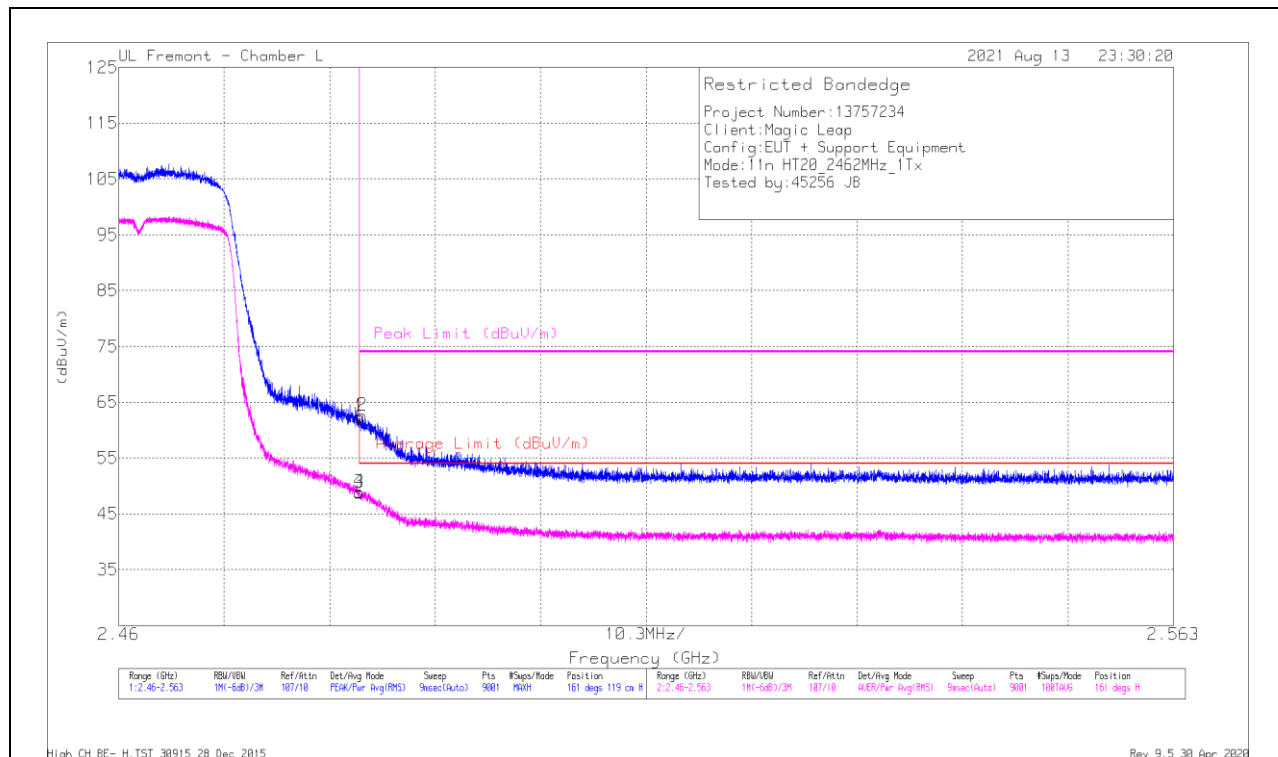


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	49.02	Pk	32	-19.3	61.72	-	-	74	-12.28	242	236	V
2	* 2.38985	49.43	Pk	32	-19.3	62.13	-	-	74	-11.87	242	236	V
3	* 2.38999	35.27	RMS	32	-19.3	47.97	54	-6.03	-	-	242	236	V
4	* 2.38992	36.13	RMS	32	-19.3	48.83	54	-5.17	-	-	242	236	V

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

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



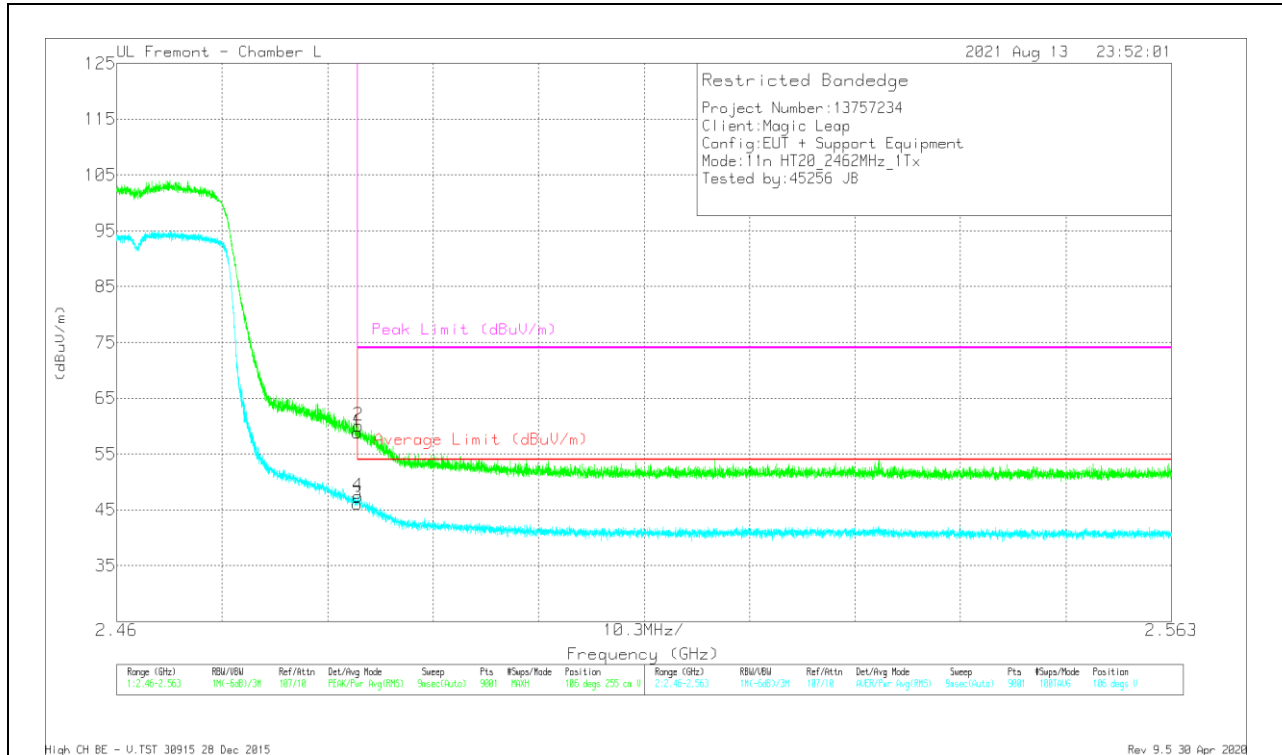
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.01	Pk	32.3	-19	62.31	-	-	74	-11.69	161	119	H
2	* 2.4838	49.24	Pk	32.3	-19	62.54	-	-	74	-11.46	161	119	H
3	* 2.48351	35.53	RMS	32.3	-19	48.83	54	-5.17	-	-	161	119	H
4	* 2.48352	35.68	RMS	32.3	-19	48.98	54	-5.02	-	-	161	119	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

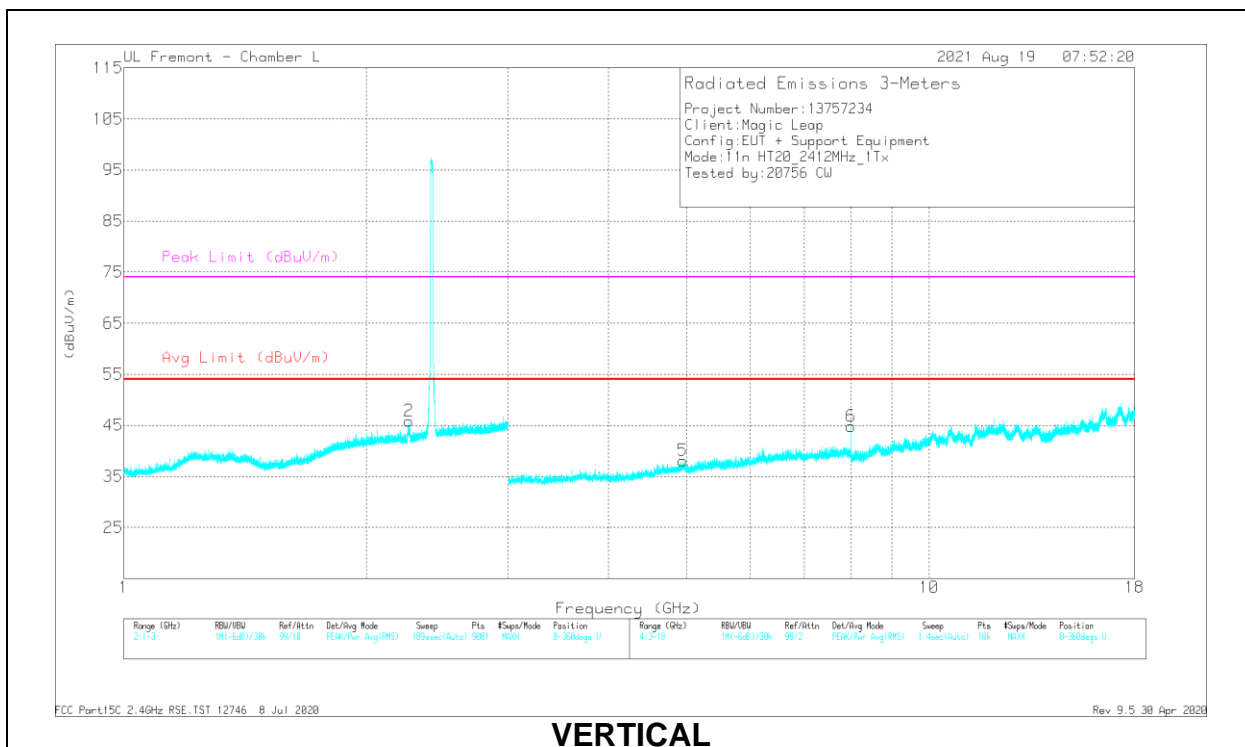
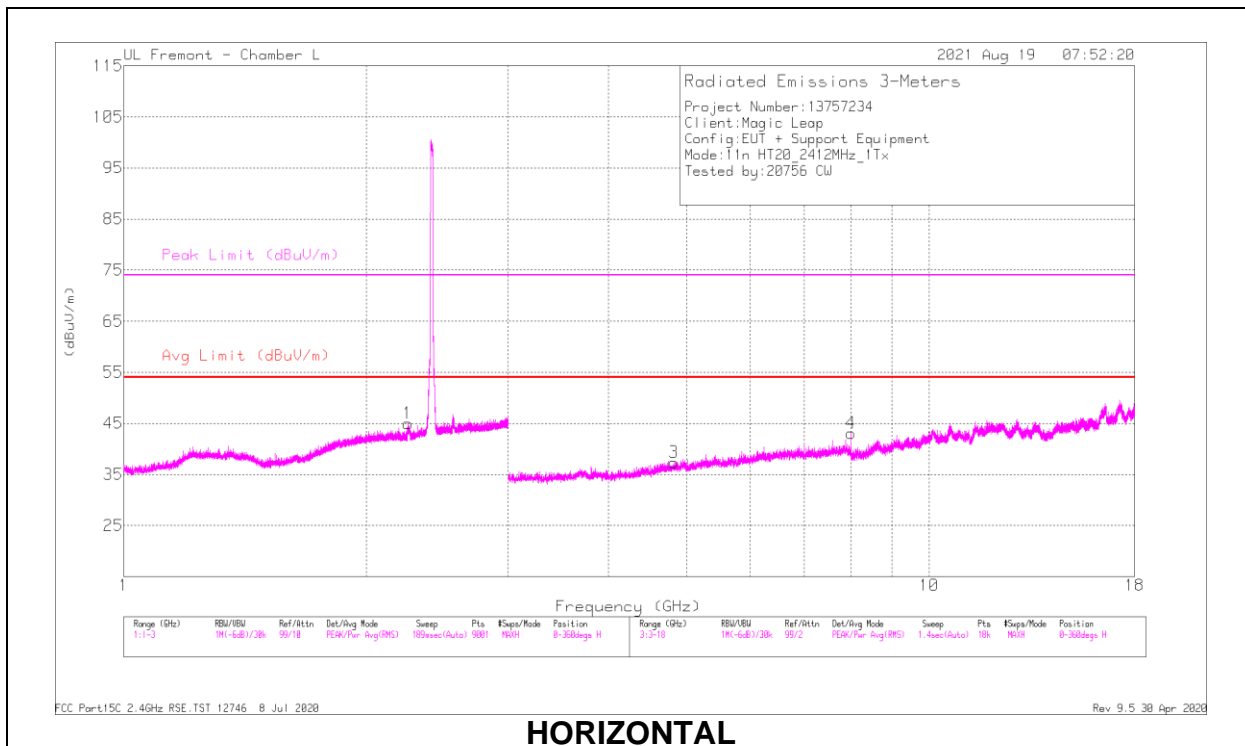


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Par d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	45.59	Pk	32.3	-19	58.89	-	-	74	-15.11	106	255	V
2	* 2.48362	46.78	Pk	32.3	-19	60.08	-	-	74	-13.92	106	255	V
3	* 2.48351	32.75	RMS	32.3	-19	46.05	54	-7.95	-	-	106	255	V
4	* 2.48356	34.15	RMS	32.3	-19	47.45	54	-6.55	-	-	106	255	V

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

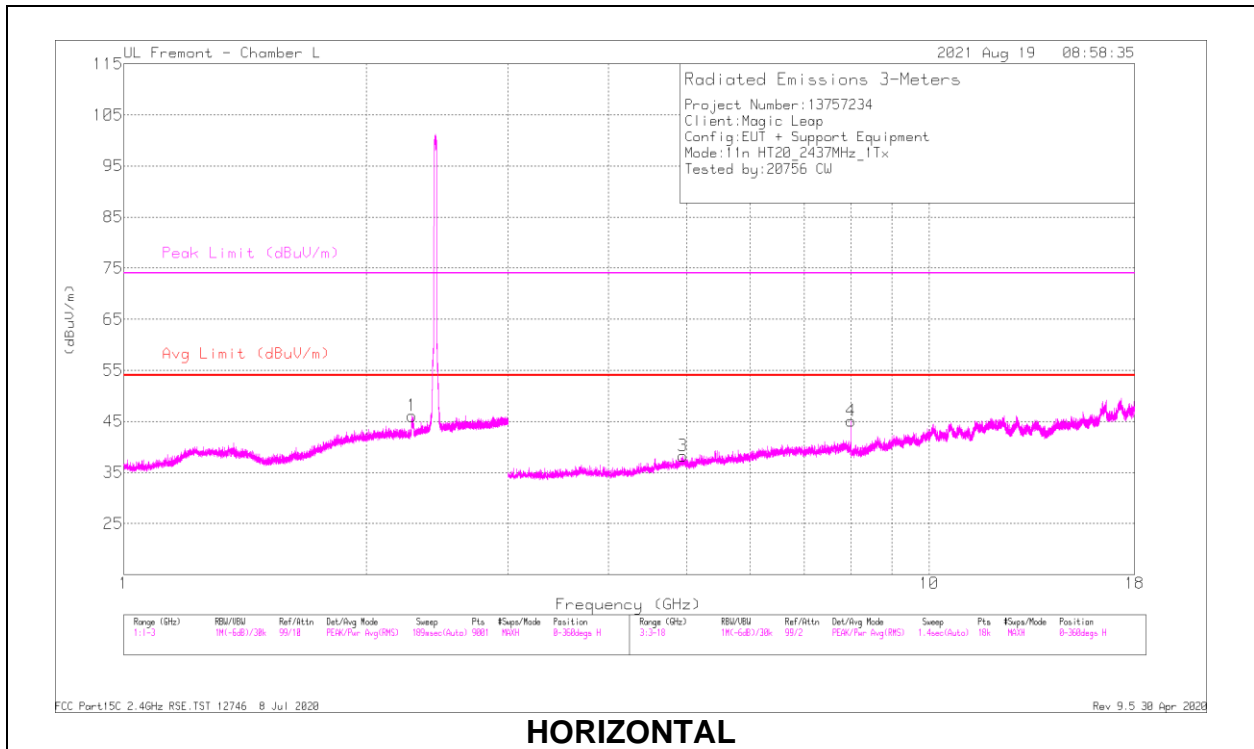
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Prod (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.25557	40.35	PK2	31.2	-19.8	51.75	-	-	74	-22.25	291	176	H
	* 2.25513	29.71	MAv1	31.3	-19.8	41.21	54	-12.79	-	-	291	176	H
2	* 2.25733	41.86	PK2	31.2	-19.8	53.26	-	-	74	-20.74	90	152	V
	* 2.25941	31.07	MAv1	31.2	-19.7	42.57	54	-11.43	-	-	90	152	V
3	* 4.82331	35.01	PK2	34.2	-24.6	44.61	-	-	74	-29.39	349	145	H
	* 4.82322	23.32	MAv1	34.2	-24.6	32.92	54	-21.08	-	-	349	145	H
4	8.00003	32.56	PK2	35.8	-19.2	49.16	-	-	-	-	273	229	H
	* 4.94689	34.34	PK2	34.2	-23.1	45.44	-	-	74	-28.56	224	142	V
5	* 4.94586	22.79	MAv1	34.2	-23.1	33.89	54	-20.11	-	-	224	142	V
	7.99996	34.22	PK2	35.8	-19.2	50.82	-	-	-	-	295	173	V

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

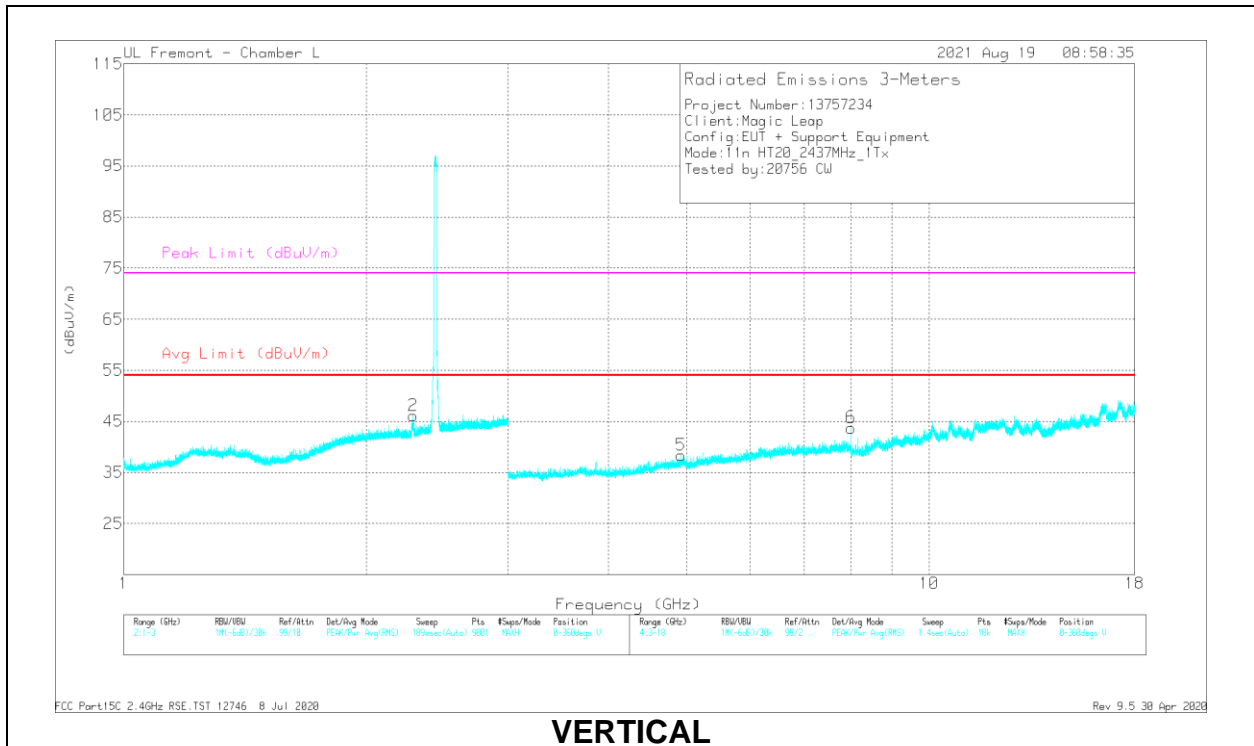
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

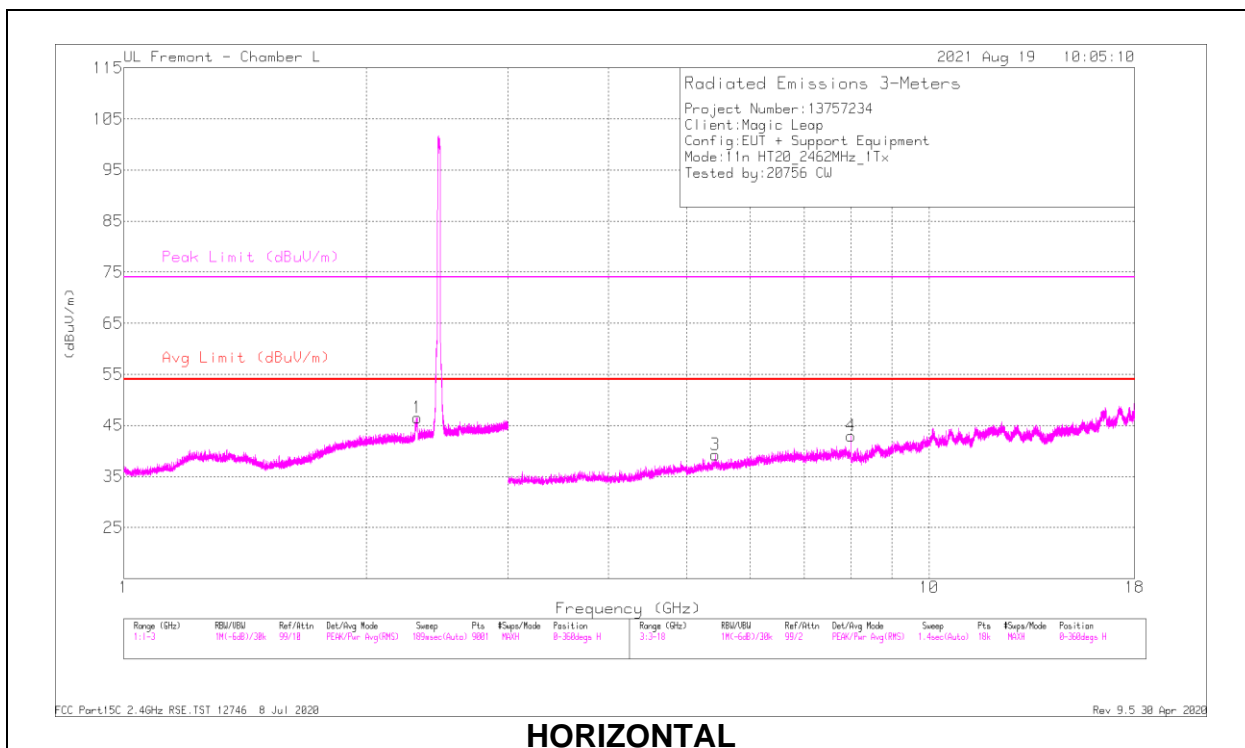
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Prod (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.28145	43.22	PK2	31.4	-19.7	54.92	-	-	74	-19.08	291	112	H
	* 2.2785	31.86	MAv1	31.4	-19.7	43.56	54	-10.44	-	-	291	112	H
2	* 2.28901	42.2	PK2	31.4	-19.7	53.9	-	-	74	-20.1	73	179	V
	* 2.28836	31.46	MAv1	31.4	-19.7	43.16	54	-10.84	-	-	73	179	V
3	* 4.94519	34.16	PK2	34.2	-23.1	45.26	-	-	74	-28.74	88	240	H
	* 4.94361	22.83	MAv1	34.2	-23.1	33.93	54	-20.07	-	-	88	240	H
4	7.99977	32.23	PK2	35.8	-19.2	48.83	-	-	-	-	3	128	H
	* 4.91889	34.97	PK2	34.2	-23.7	45.47	-	-	74	-28.53	221	162	V
5	* 4.92058	22.95	MAv1	34.2	-23.7	33.45	54	-20.55	-	-	221	162	V
	8.00019	33.1	PK2	35.8	-19.2	49.7	-	-	-	-	299	214	V

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

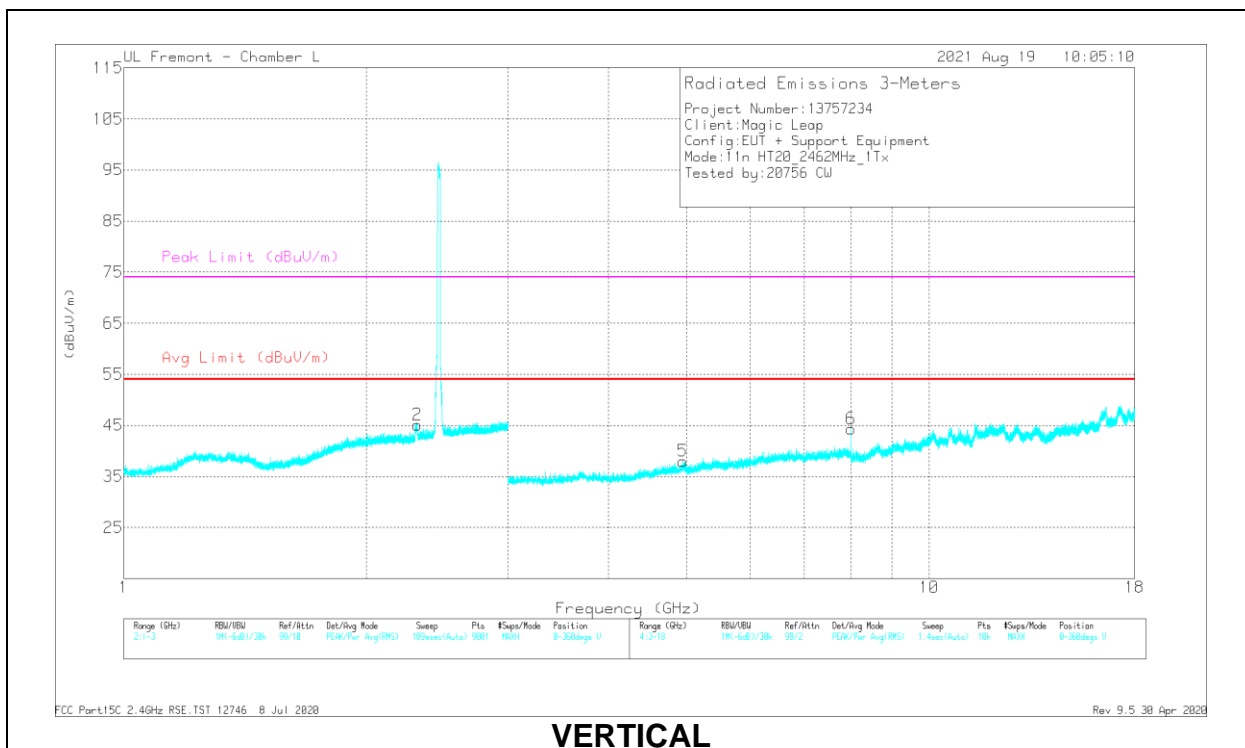
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Prod (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.31531	41.91	PK2	31.7	-19.6	54.01	-	-	74	-19.99	298	114	H
	* 2.31594	31.92	MAv1	31.7	-19.6	44.02	54	-9.98	-	-	298	114	H
2	* 2.31541	41.77	PK2	31.7	-19.6	53.87	-	-	74	-20.13	71	169	V
	* 2.31467	30.33	MAv1	31.7	-19.6	42.43	54	-11.57	-	-	71	169	V
3	* 5.43076	33.89	PK2	34.9	-22.5	46.29	-	-	74	-27.71	292	129	H
	* 5.42986	22.92	MAv1	34.9	-22.5	35.32	54	-18.68	-	-	292	129	H
4	8.00005	32.71	PK2	35.8	-19.2	49.31	-	-	-	-	6	101	H
5	* 4.94835	34.94	PK2	34.2	-23.1	46.04	-	-	74	-27.96	20	382	V
	* 4.95035	22.4	MAv1	34.2	-23.1	33.5	54	-20.5	-	-	20	382	V
6	7.99992	32.33	PK2	35.8	-19.2	48.93	-	-	-	-	360	196	V

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

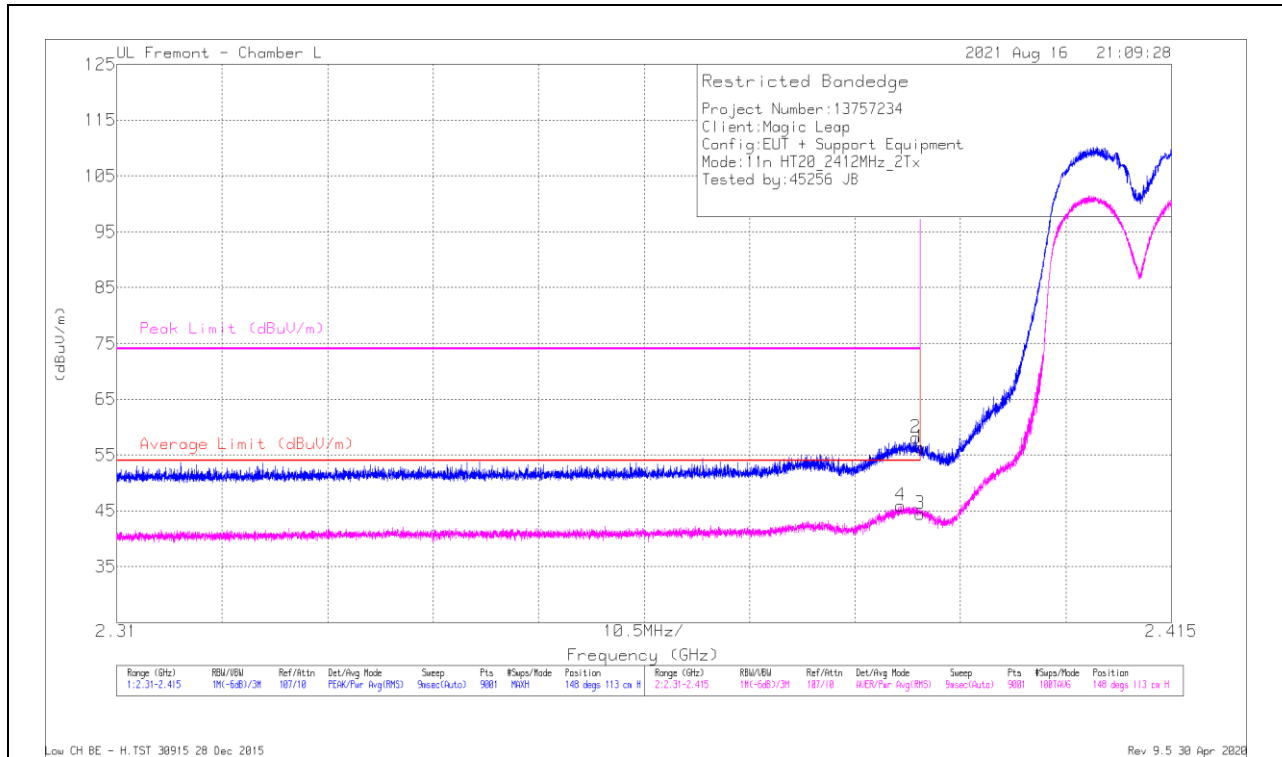
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

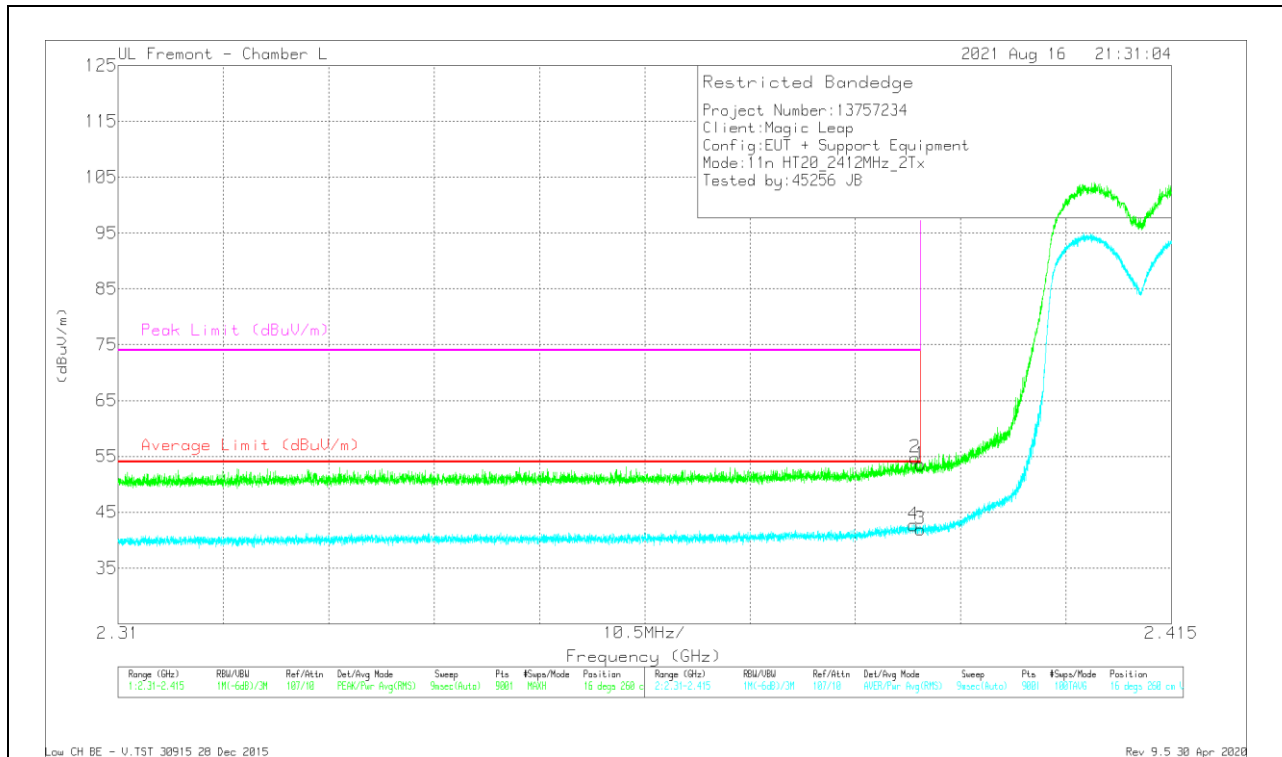
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	43.71	Pk	32	-19.3	56.41	-	-	74	-17.59	148	113	H
2	* 2.38957	45.38	Pk	32	-19.3	58.08	-	-	74	-15.92	148	113	H
3	* 2.38999	31.75	RMS	32	-19.3	44.45	54	-9.55	-	-	148	113	H
4	* 2.38806	33.36	RMS	32	-19.4	45.96	54	-8.04	-	-	148	113	H

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

VERTICAL RESULT

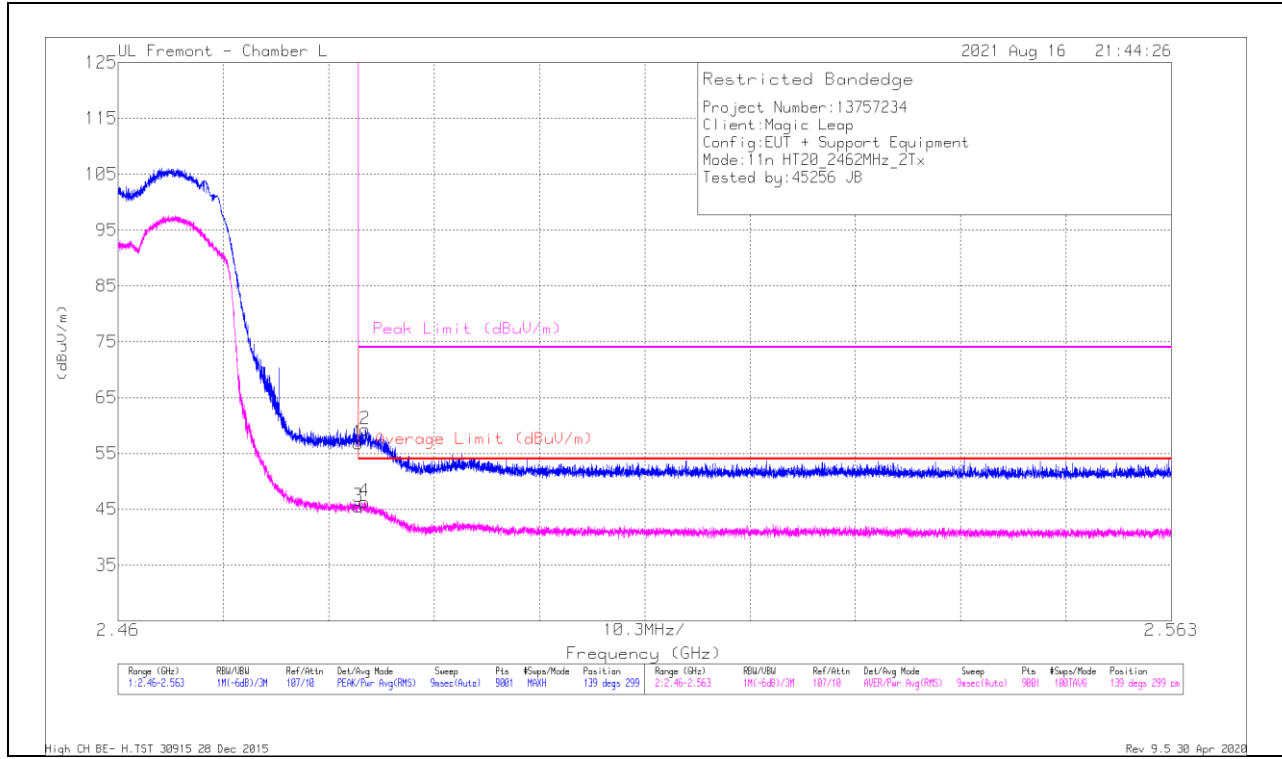


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	40.86	Pk	32	-19.3	53.56	-	-	74	-20.44	16	260	V
2	* 2.38945	42.16	Pk	32	-19.4	54.76	-	-	74	-19.24	16	260	V
3	* 2.38999	29.27	RMS	32	-19.3	41.97	54	-12.03	-	-	16	260	V
4	* 2.38928	30.12	RMS	32	-19.4	42.72	54	-11.28	-	-	16	260	V

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

BANDEDGE (HIGH CHANNEL, CH 11)

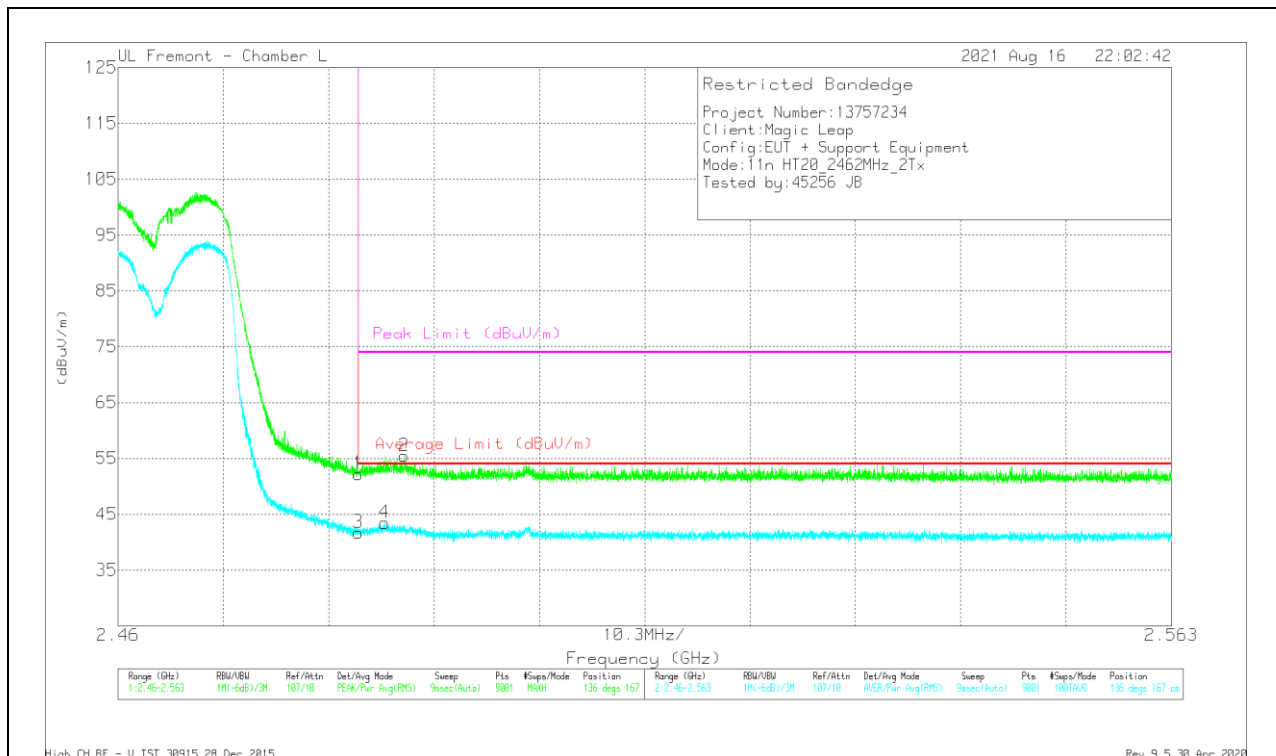
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.55	Pk	32.3	-19	56.85	-	-	74	-17.15	139	299	H
2	* 2.48416	45.99	Pk	32.3	-19	59.29	-	-	74	-14.71	139	299	H
3	* 2.48351	32.17	RMS	32.3	-19	45.47	54	-8.53	-	-	139	299	H
4	* 2.48408	33.06	RMS	32.3	-19	46.36	54	-7.64	-	-	139	299	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 T119 (dB/m)	Amp/Cb/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	38.85	Pk	32.3	-19	52.15	-	-	74	-21.85	136	167	V
2	* 2.48795	42.23	Pk	32.3	-19.1	55.43	-	-	74	-18.57	136	167	V
3	* 2.48351	28.39	RMS	32.3	-19	41.69	54	-12.31	-	-	136	167	V
4	* 2.48606	30.25	RMS	32.3	-19.1	43.45	54	-10.55	-	-	136	167	V

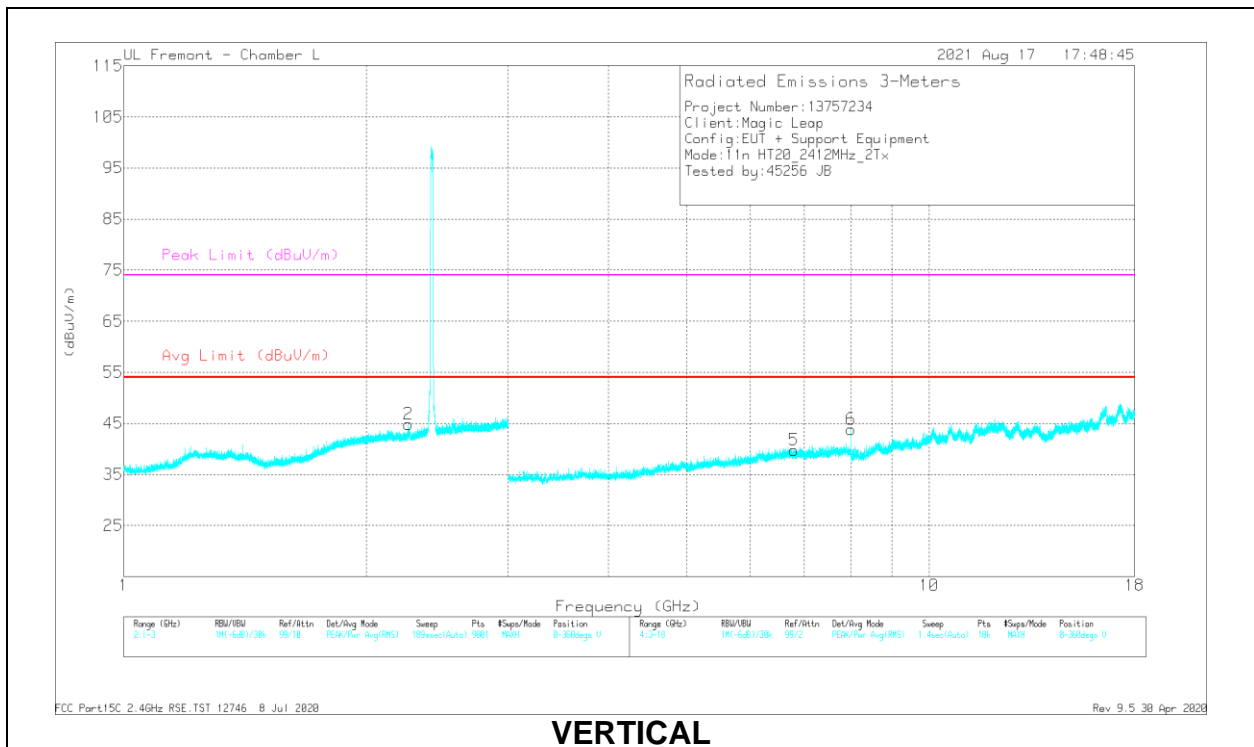
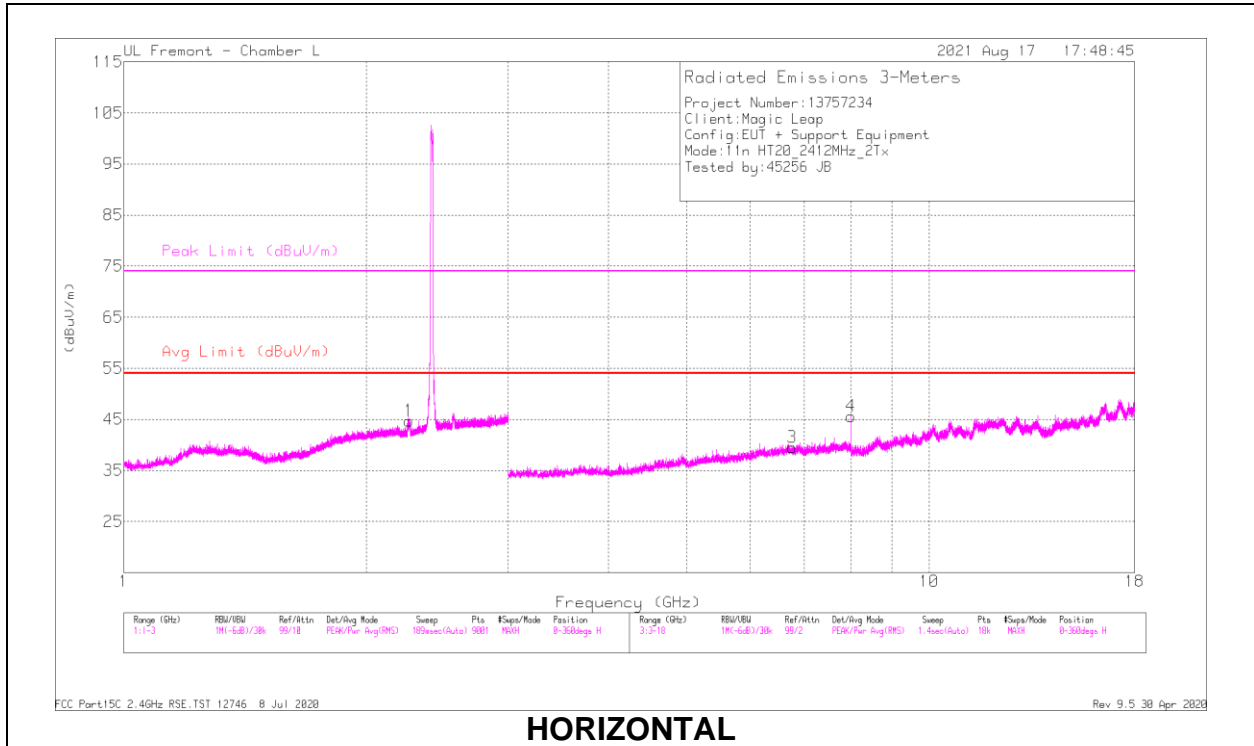
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

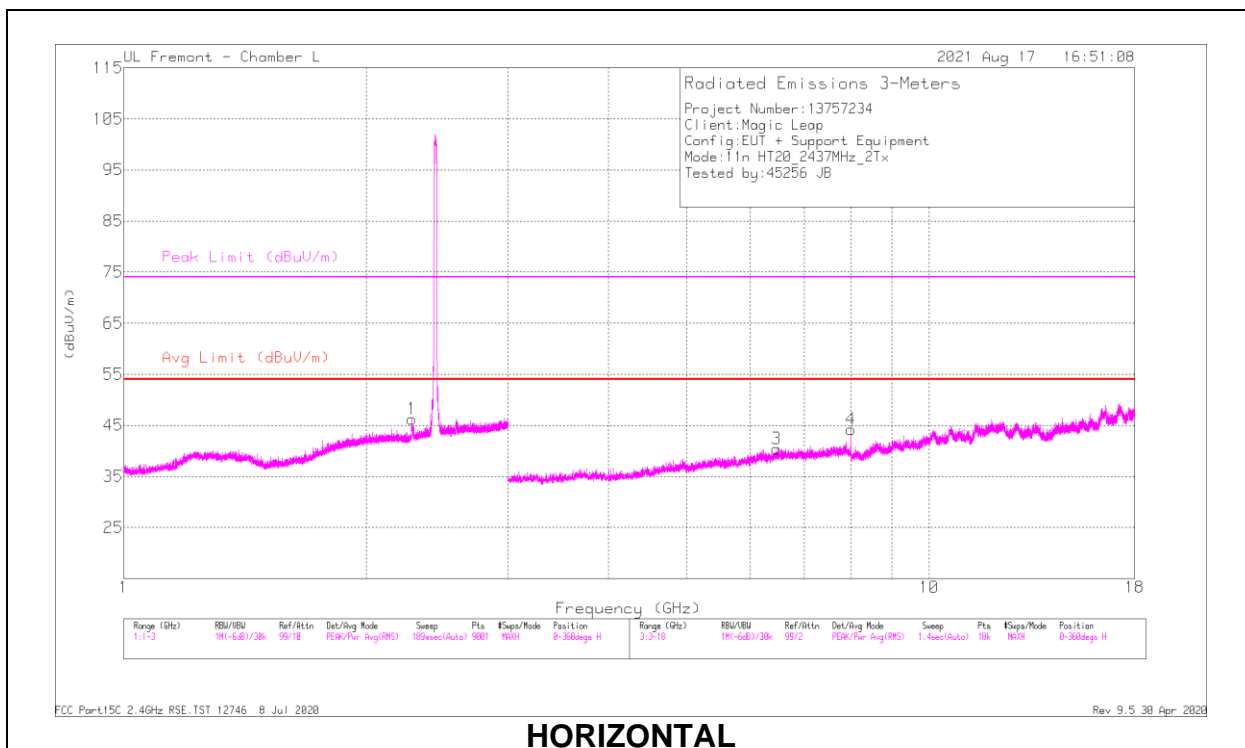
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.2622	41.75	PK2	31.2	-19.7	53.25	-	-	74	-20.75	172	129	H
	* 2.26207	30.35	MAv1	31.2	-19.7	41.85	54	-12.15	-	-	172	129	H
2	* 2.25687	41.55	PK2	31.2	-19.8	52.95	-	-	74	-21.05	217	114	V
	* 2.25527	30.1	MAv1	31.3	-19.8	41.6	54	-12.4	-	-	217	114	V
3	6.76188	25.15	Pk	35.7	-21.3	39.55	-	-	-	-	0-360	199	H
4	7.99994	32.86	PK2	35.8	-19.2	49.46	-	-	-	-	100	102	H
5	6.79938	25.28	Pk	35.7	-21.2	39.78	-	-	-	-	0-360	199	V
6	8.00012	32.01	PK2	35.8	-19.2	48.61	-	-	-	-	197	297	V

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

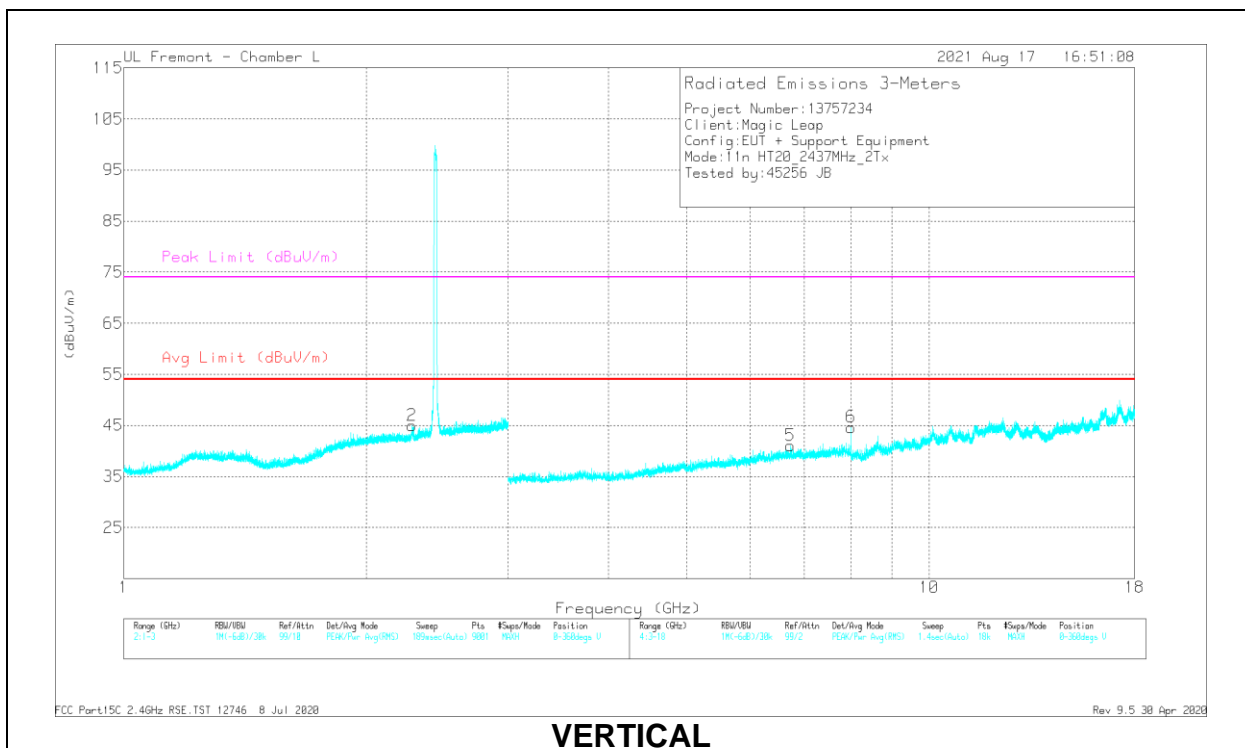
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

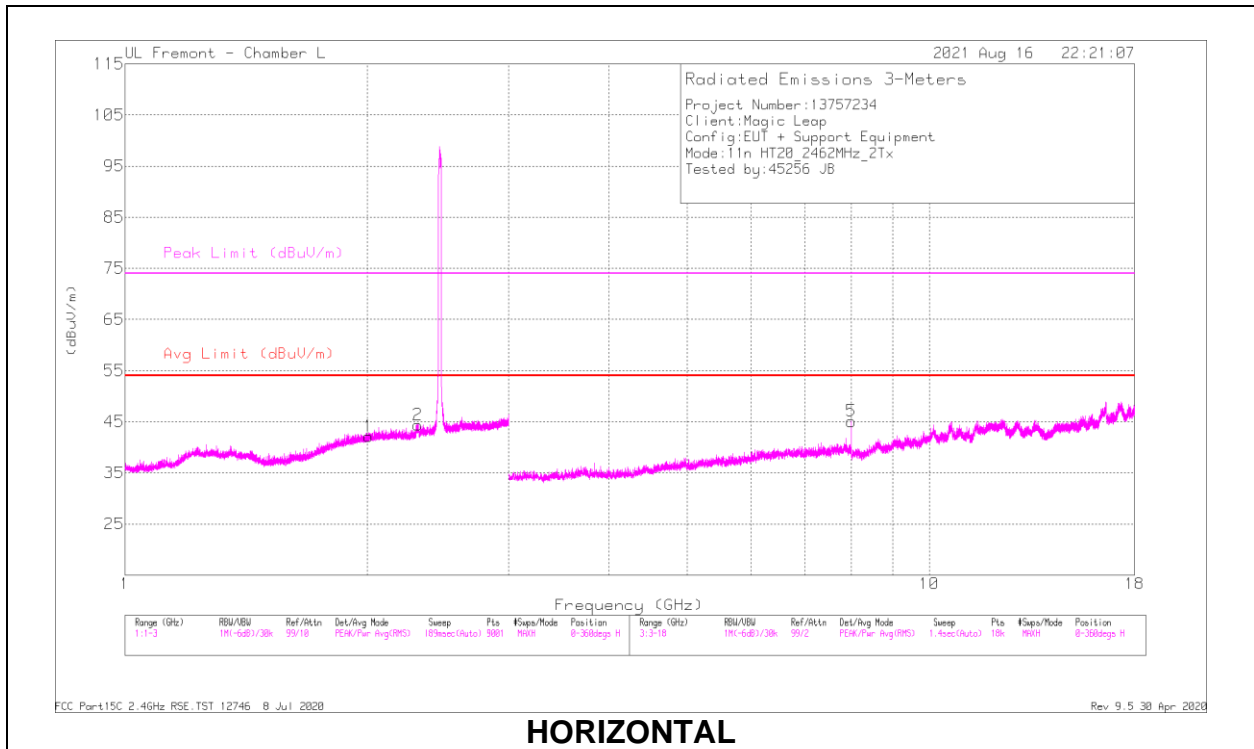
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.27982	42.68	PK2	31.4	-19.7	54.38	-	-	74	-19.62	167	138	H
	* 2.28091	32.17	MAv1	31.4	-19.7	43.87	54	-10.13	-	-	167	138	H
2	* 2.28144	41.41	PK2	31.4	-19.7	53.11	-	-	74	-20.89	218	103	V
	* 2.28082	30.86	MAv1	31.4	-19.7	42.56	54	-11.44	-	-	218	103	V
3	6.47103	26.04	Pk	35.7	-21.4	40.34	-	-	-	-	0-360	101	H
4	8.00006	33.44	PK2	35.8	-19.2	50.04	-	-	-	-	194	134	H
5	6.73021	26.44	Pk	35.8	-21.2	41.04	-	-	-	-	0-360	101	V
6	8.00028	32.21	PK2	35.8	-19.2	48.81	-	-	-	-	115	155	V

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

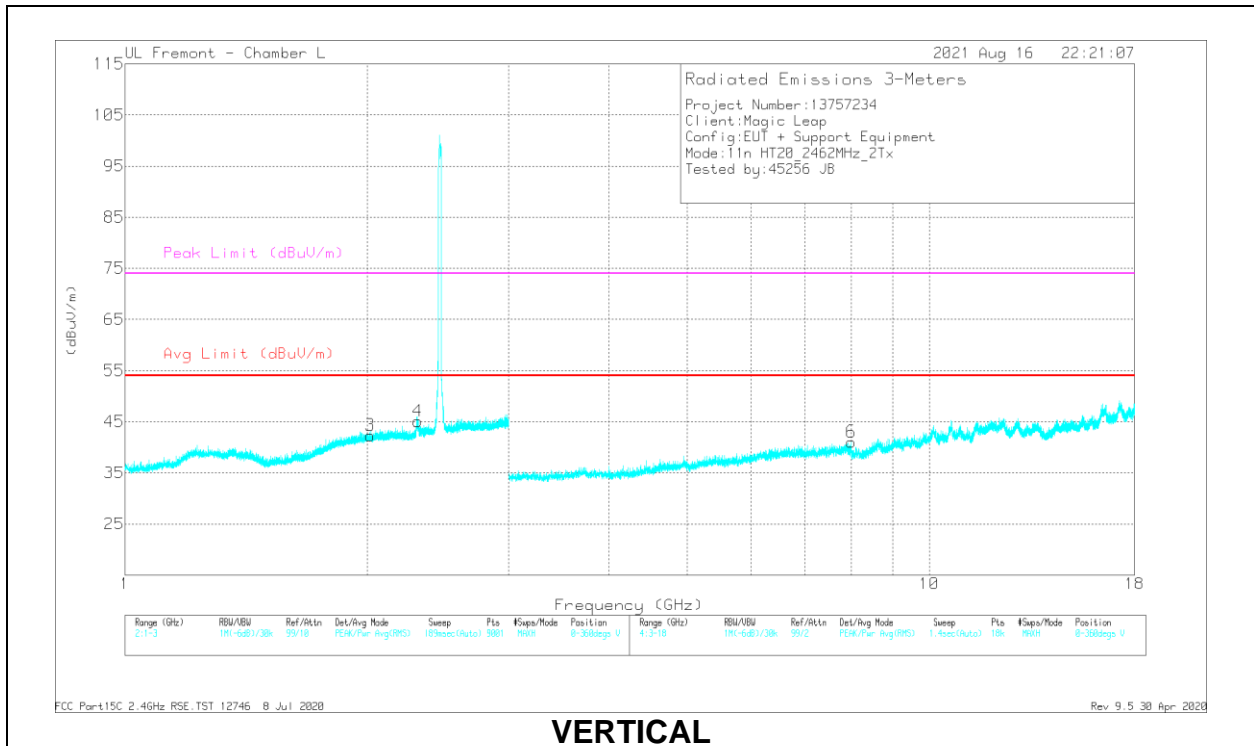
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.00733	31.23	Pk	31.4	-20.5	42.13	-	-	-	-	0-360	200	H
2	* 2.3102	40.88	PK2	31.6	-19.6	52.88	-	-	74	-21.12	313	128	H
	* 2.31068	30.52	MAv1	31.6	-19.6	42.52	54	-11.48	-	-	313	128	H
3	2.01867	31.21	Pk	31.5	-20.4	42.31	-	-	-	-	0-360	101	V
4	* 2.31028	40.75	PK2	31.6	-19.6	52.75	-	-	74	-21.25	136	129	V
	* 2.31683	30.63	MAv1	31.7	-19.6	42.73	54	-11.27	-	-	136	129	V
5	8.00005	31.15	PK2	35.8	-19.2	47.75	-	-	-	-	350	192	H
6	7.99991	31	PK2	35.8	-19.2	47.6	-	-	-	-	339	109	V

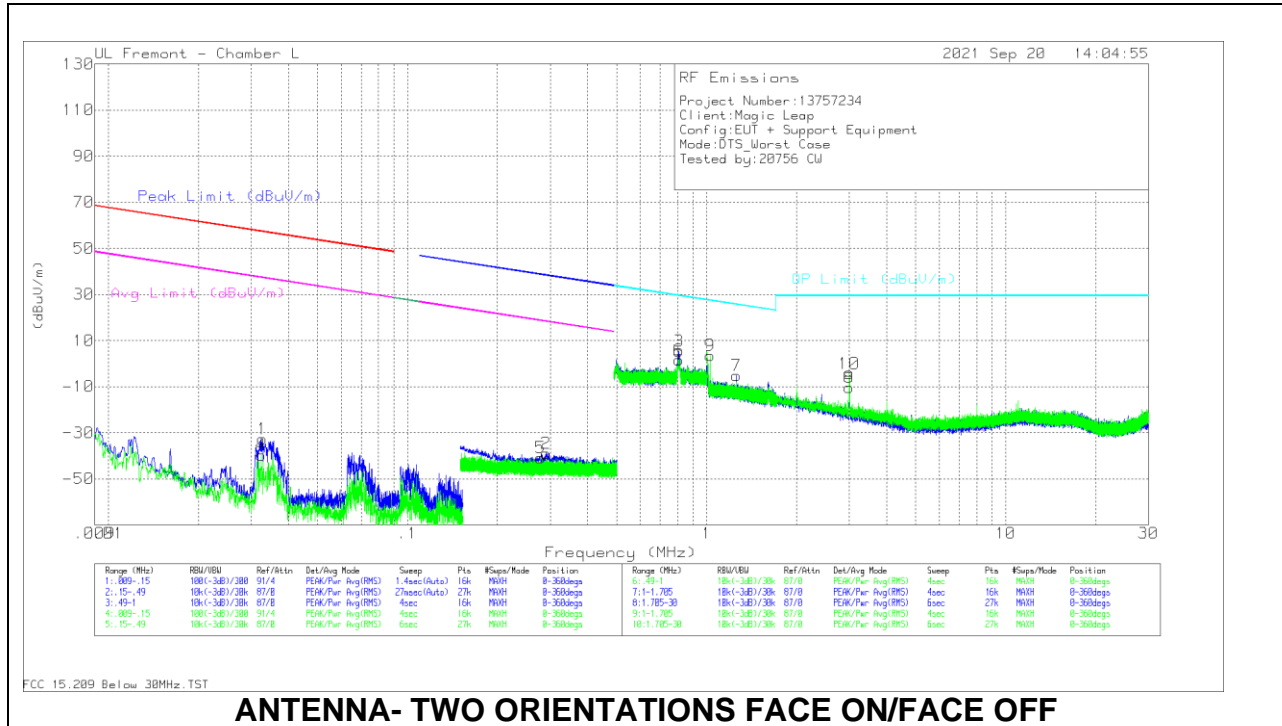
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2. WORST CASE BELOW 30MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (E ACF)	Amp/Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.03276	21.19	Pk	57.7	-31.6	-80	-32.71	57.28	-89.99	37.28	-69.99	0-360
2	.2903	16.76	Pk	56.2	-32	-80	-39.04	38.36	-77.4	18.36	-57.4	0-360
4	.03241	14.12	Pk	57.7	-31.6	-80	-39.78	57.37	-97.15	37.37	-77.15	0-360
5	.27825	15.08	Pk	56.2	-32	-80	-40.72	38.72	-79.44	18.72	-59.44	0-360

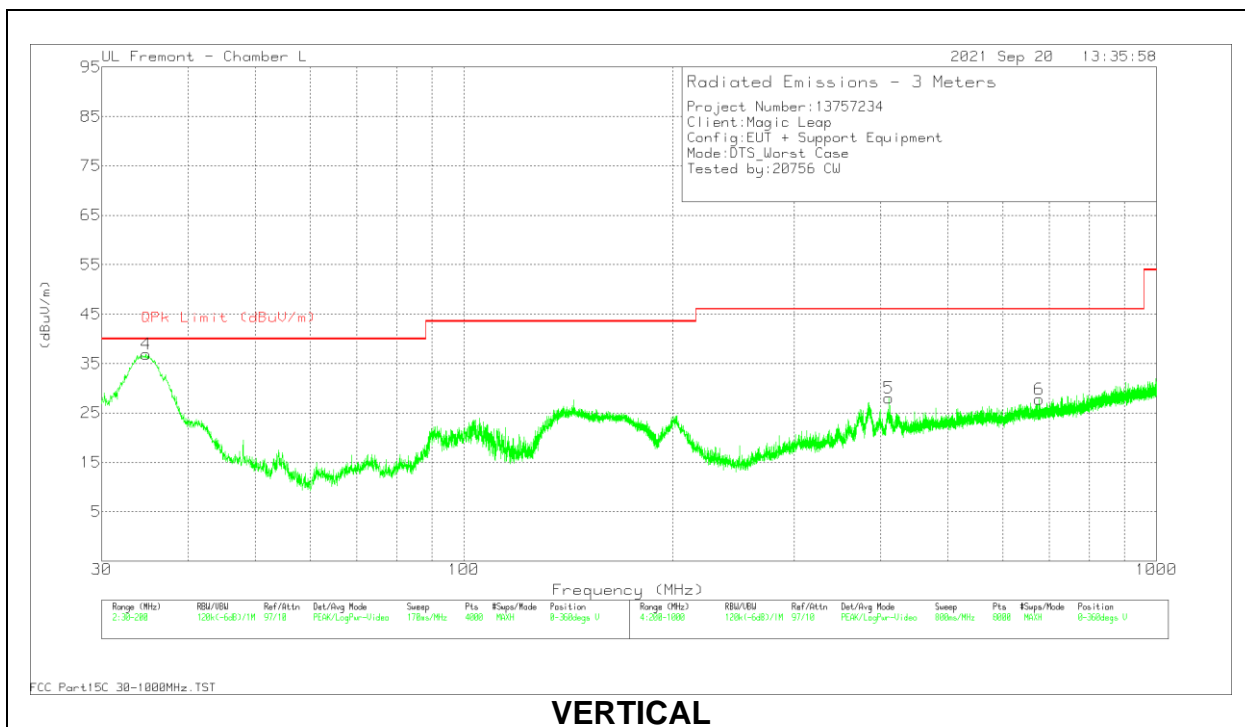
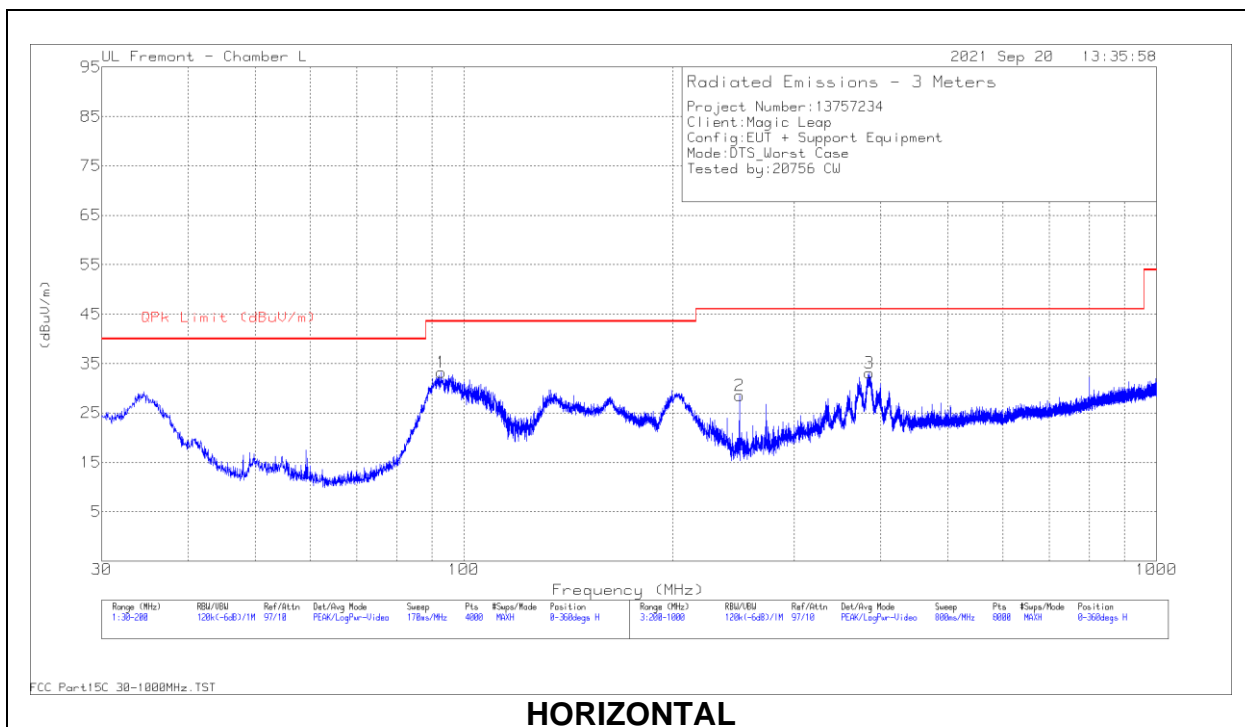
Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (E ACF)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.80789	21.17	Pk	56.2	-31.9	-40	5.47	29.47	-24	0-360
6	.80731	17.3	Pk	56.2	-31.9	-40	1.6	29.48	-27.88	0-360
7	1.25555	21.31	Pk	45.4	-31.9	-40	-5.19	25.65	-30.84	0-360
8	2.99718	22.72	Pk	38.7	-31.8	-40	-10.38	29.5	-39.88	0-360
9	1.02693	28.78	Pk	46.6	-31.9	-40	3.48	27.39	-23.91	0-360
10	3.00033	28.64	Pk	38.7	-31.8	-40	-4.46	29.5	-33.96	0-360

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHz

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



Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 174373 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	92.7887	49.93	Pk	14.1	-30.8	33.23	43.52	-10.29	0-360	300	H
4	34.8864	42.54	Qp	23.2	-31.3	34.44	40	-5.56	331	106	V
2	* 249.9065	41.03	Pk	17.3	-29.8	28.53	46.02	-17.49	0-360	99	H
3	385.1241	41.43	Pk	20.8	-29.1	33.13	46.02	-12.89	0-360	199	H
5	410.7274	35.13	Pk	21.9	-29	28.03	46.02	-17.99	0-360	199	V
6	676.962	30.72	Pk	25.5	-28.5	27.72	46.02	-18.3	0-360	101	V

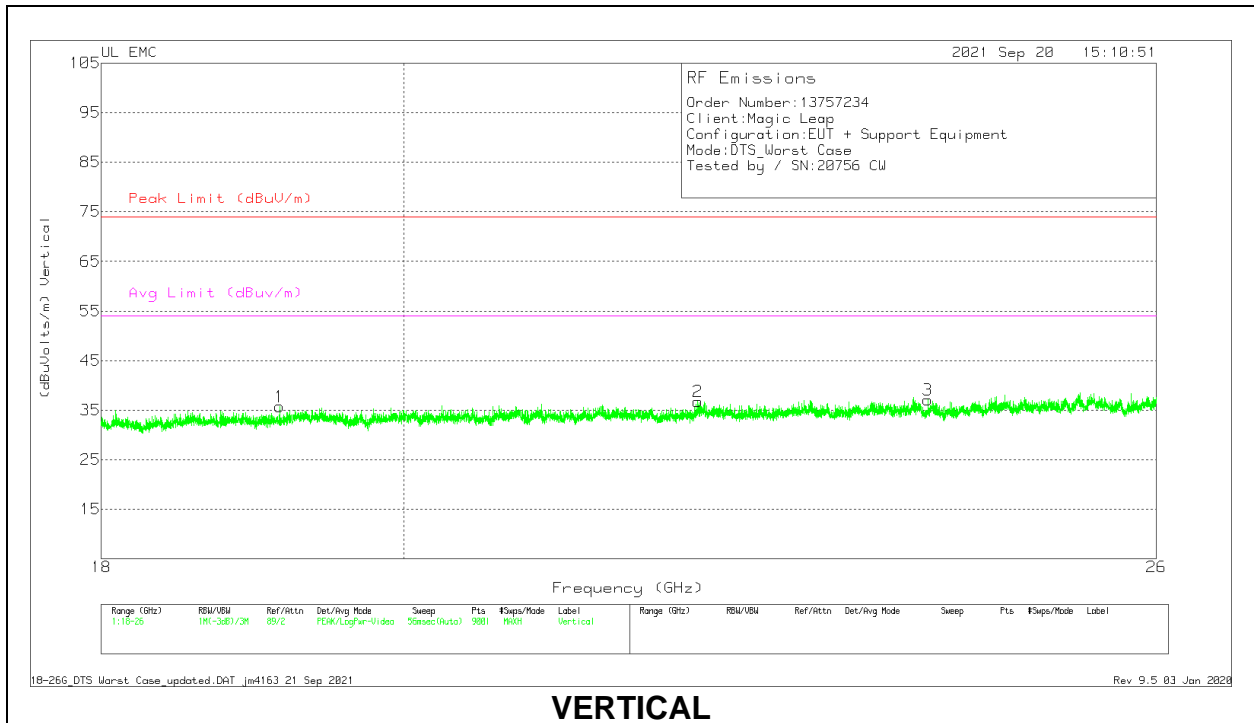
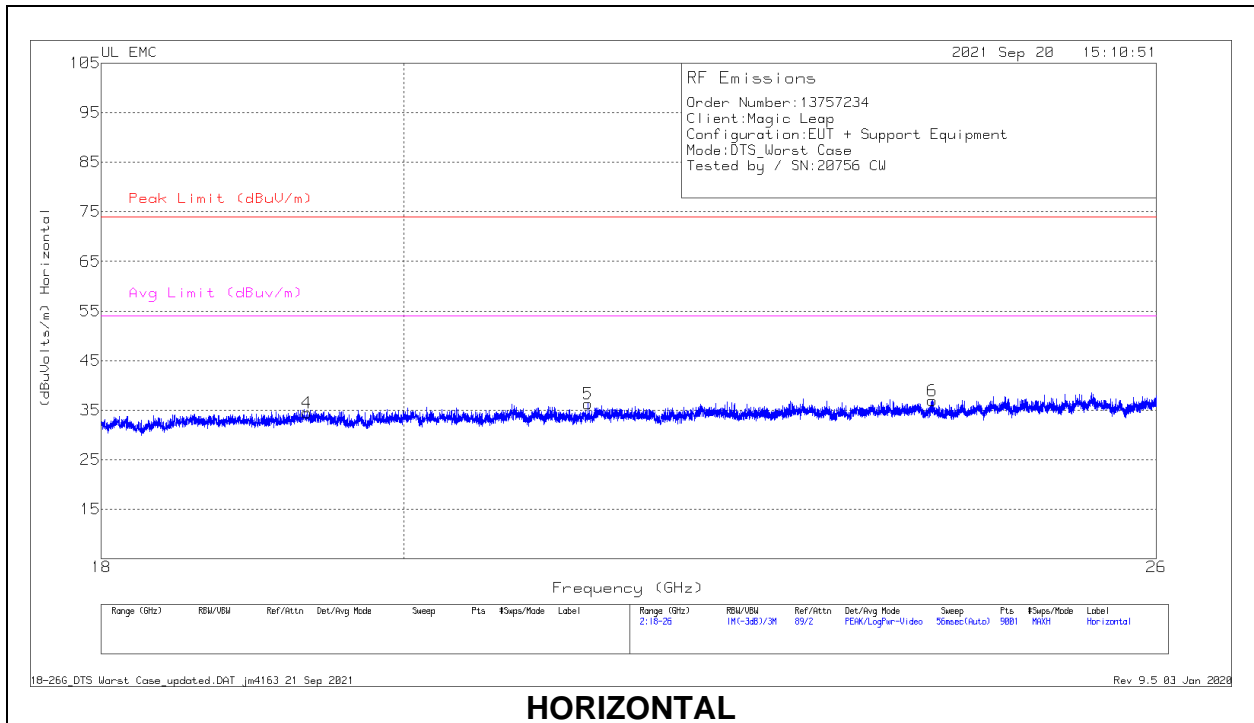
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

Qp - Quasi-Peak detector

10.4. WORST CASE 18-26 GHz

SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)



18 – 26GHz Data

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T447 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.15289	69.63	Pk	33.1	-57.5	-9.5	35.73	54	-18.27	74	-38.27
2	22.15822	69.96	Pk	34.1	-57.8	-9.5	36.76	54	-17.24	74	-37.24
3	24.008	68.96	Pk	34.6	-57	-9.5	37.06	54	-16.94	74	-36.94
4	19.33689	67.79	Pk	33.2	-57	-9.5	34.49	54	-19.51	74	-39.51
5	21.32711	69.61	Pk	33.4	-57.2	-9.5	36.31	54	-17.69	74	-37.69
6	24.04711	68.13	Pk	34.7	-56.4	-9.5	36.93	54	-17.07	74	-37.07

Pk - Peak detector

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.

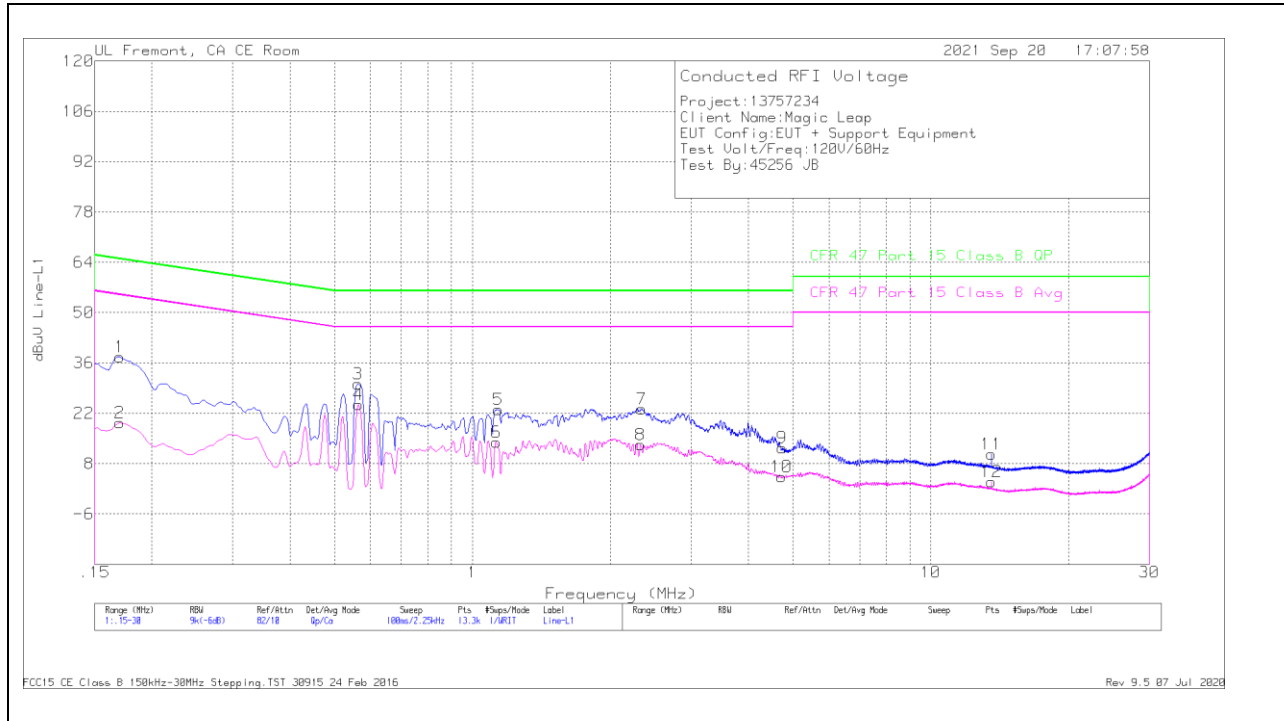
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

AC Power Line Norm

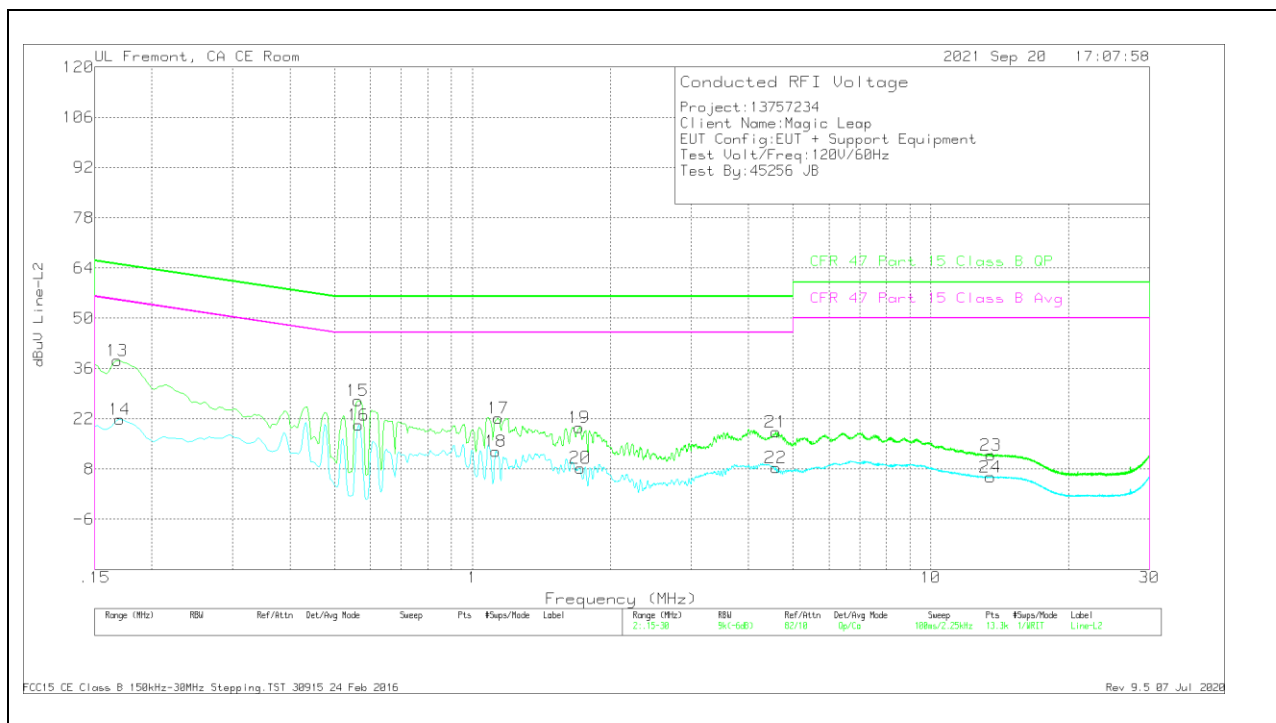
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 L1	LC Cables C1&C3 dB	TekBox Limiter TBFL1 Model 207	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)M argin (dB)	
2	.17025	9.96	Ca	0	0	9.4	19.36	-	-	54.95	-35.59	
4	.564	15.12	Ca	0	0	9.3	24.42	-	-	46	-21.58	
6	1.1265	4.57	Ca	0	.1	9.3	13.97	-	-	46	-32.03	
8	2.32575	3.79	Ca	0	.1	9.3	13.19	-	-	46	-32.81	
10	4.72425	-5	Ca	0	.1	9.3	4.4	-	-	46	-41.6	
12	13.56	-6.64	Ca	.1	.2	9.3	2.96	-	-	50	-47.04	
1	.17025	28.22	Qp	0	0	9.4	37.62	64.95	-27.33	-	-	
3	.56175	20.92	Qp	0	0	9.3	30.22	56	-25.78	-	-	
5	1.14	13.65	Qp	0	.1	9.3	23.05	56	-32.95	-	-	
7	2.33925	13.81	Qp	0	.1	9.3	23.21	56	-32.79	-	-	
9	4.74675	2.97	Qp	0	.1	9.3	12.37	56	-43.63	-	-	
11	13.56	1.12	Qp	.1	.2	9.3	10.72	60	-49.28	-	-	

Qp - Quasi-Peak detector
 Ca - CISPR average detection
 Marker 11 and 12 are from an external NFC signal unrelated to the EUT.

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 L2	LC Cables C2&C3 dB	TekBox Limiter TBFL1 Model 207	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
14	.17025	12.41	Ca	0	0	9.4	21.81	-	-	54.95	-33.14
16	.564	10.95	Ca	0	0	9.3	20.25	-	-	46	-25.75
18	1.12425	3.48	Ca	0	.1	9.3	12.88	-	-	46	-33.12
20	1.71825	-1.11	Ca	0	.1	9.3	8.29	-	-	46	-37.71
22	4.587	-1.06	Ca	0	.1	9.3	8.34	-	-	46	-37.66
24	13.50375	-3.86	Ca	.1	.2	9.3	5.74	-	-	50	-44.26
13	.168	28.78	Qp	0	0	9.4	38.18	65.06	-26.88	-	-
15	.56175	17.77	Qp	0	0	9.3	27.07	56	-28.93	-	-
17	1.13775	12.74	Qp	0	.1	9.3	22.14	56	-33.86	-	-
19	1.7115	10.21	Qp	0	.1	9.3	19.61	56	-36.39	-	-
21	4.587	8.92	Qp	0	.1	9.3	18.32	56	-37.68	-	-
23	13.5195	2.29	Qp	.1	.2	9.3	11.89	60	-48.11	-	-

Qp - Quasi-Peak detector
 Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to UL Verification Services Report number 13757234-EP2V1.

END OF TEST REPORT