

RADIATED EMISSIONS

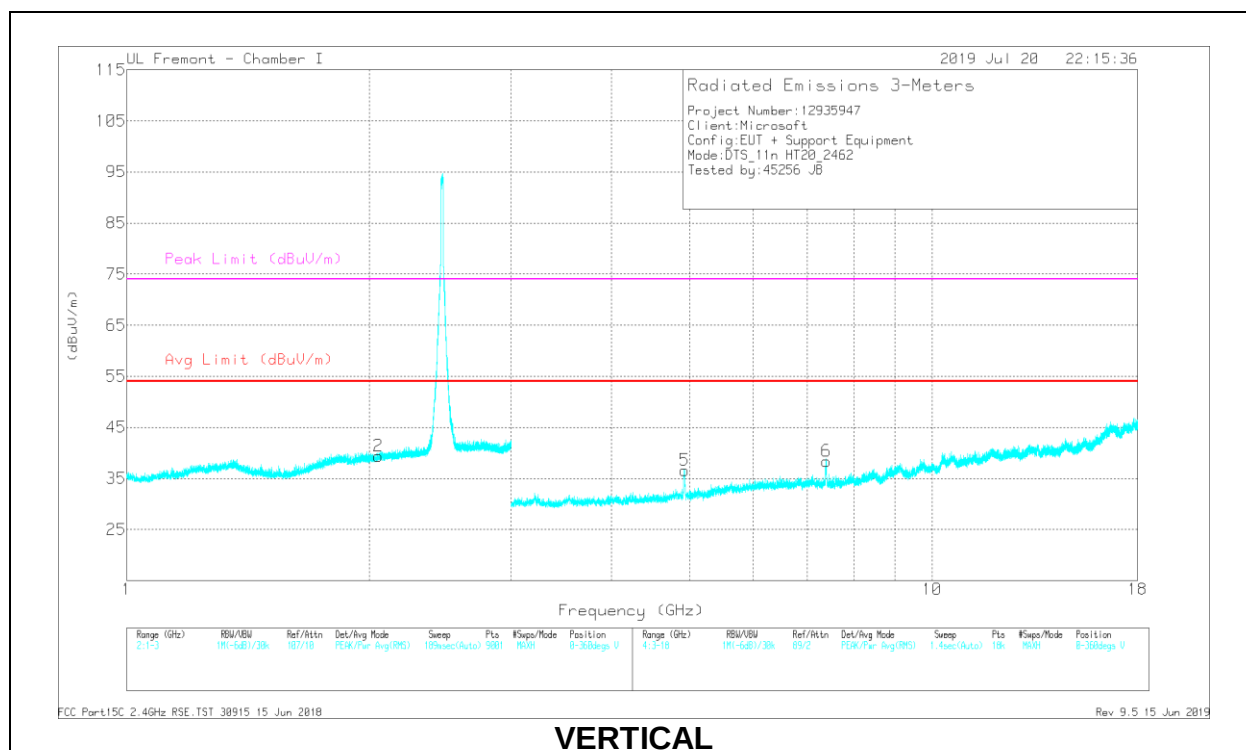
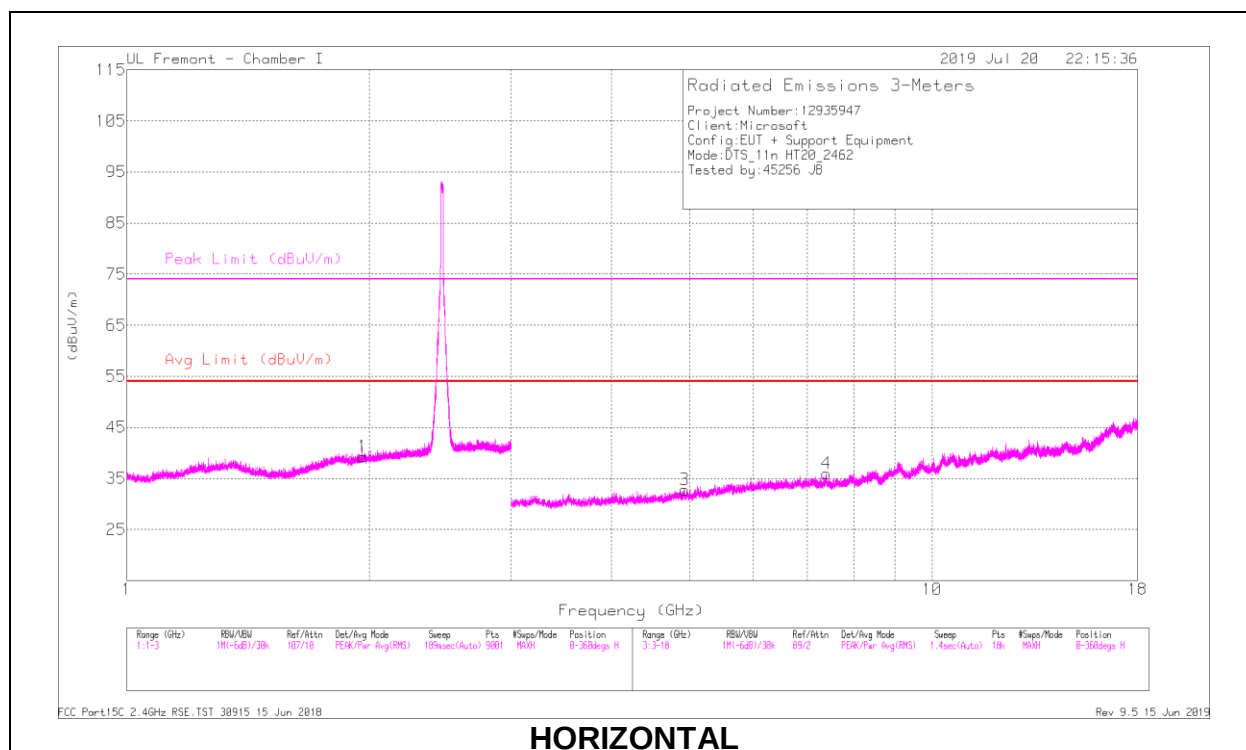
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.94089	31.37	Pk	30.8	-22.5	0	39.67	-	-	-	-	0-360	198	H
2	2.01378	31.22	Pk	30.9	-22.6	0	39.52	-	-	-	-	0-360	199	V
3	* 4.88455	33.91	PK2	34.1	-28.7	0	39.31	-	-	74	-34.69	43	117	H
	* 4.88544	24.32	MAv1	34	-28.7	0	29.62	54	-24.38	-	-	43	117	H
4	* 7.31202	31.76	PK2	35.5	-26	0	41.26	-	-	74	-32.74	44	151	H
	* 7.31224	22.61	MAv1	35.5	-26	0	32.11	54	-21.89	-	-	44	151	H
5	* 4.87568	33.9	PK2	34.1	-28.7	0	39.3	-	-	74	-34.7	299	186	V
	* 4.87417	24.12	MAv1	34.1	-28.6	0	29.62	54	-24.38	-	-	299	186	V
6	* 7.31483	31.97	PK2	35.5	-26	0	41.47	-	-	74	-32.53	146	142	V
	* 7.3165	22.89	MAv1	35.5	-26	0	32.39	54	-21.61	-	-	146	142	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 T862 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.96422	30.81	Pk	31	-22.6	0	39.21	-	-	-	-	0-360	198	H
2	2.05444	30.73	Pk	31.1	-22.5	0	39.33	-	-	-	-	0-360	199	V
3	* 4.92668	36.37	PK2	34.1	-29.1	0	41.37	-	-	74	-32.63	298	331	H
	* 4.92665	26.26	MAv1	34.1	-29.1	0	31.26	54	-22.74	-	-	298	331	H
4	* 7.3885	35.1	PK2	35.5	-25	0	45.6	-	-	74	-28.4	160	298	H
	* 7.38897	24.87	MAv1	35.5	-25	0	35.37	54	-18.63	-	-	160	298	H
5	* 4.92695	36.79	PK2	34.1	-29.1	0	41.79	-	-	74	-32.21	167	142	V
	* 4.92643	27.45	MAv1	34.1	-29.1	0	32.45	54	-21.55	-	-	167	142	V
6	* 7.39149	38.99	PK2	35.5	-24.9	0	49.59	-	-	74	-24.41	214	199	V
	* 7.38882	27.89	MAv1	35.5	-25	0	38.39	54	-15.61	-	-	214	199	V

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

PK2 - KDB558074 Method: Maximum Peak

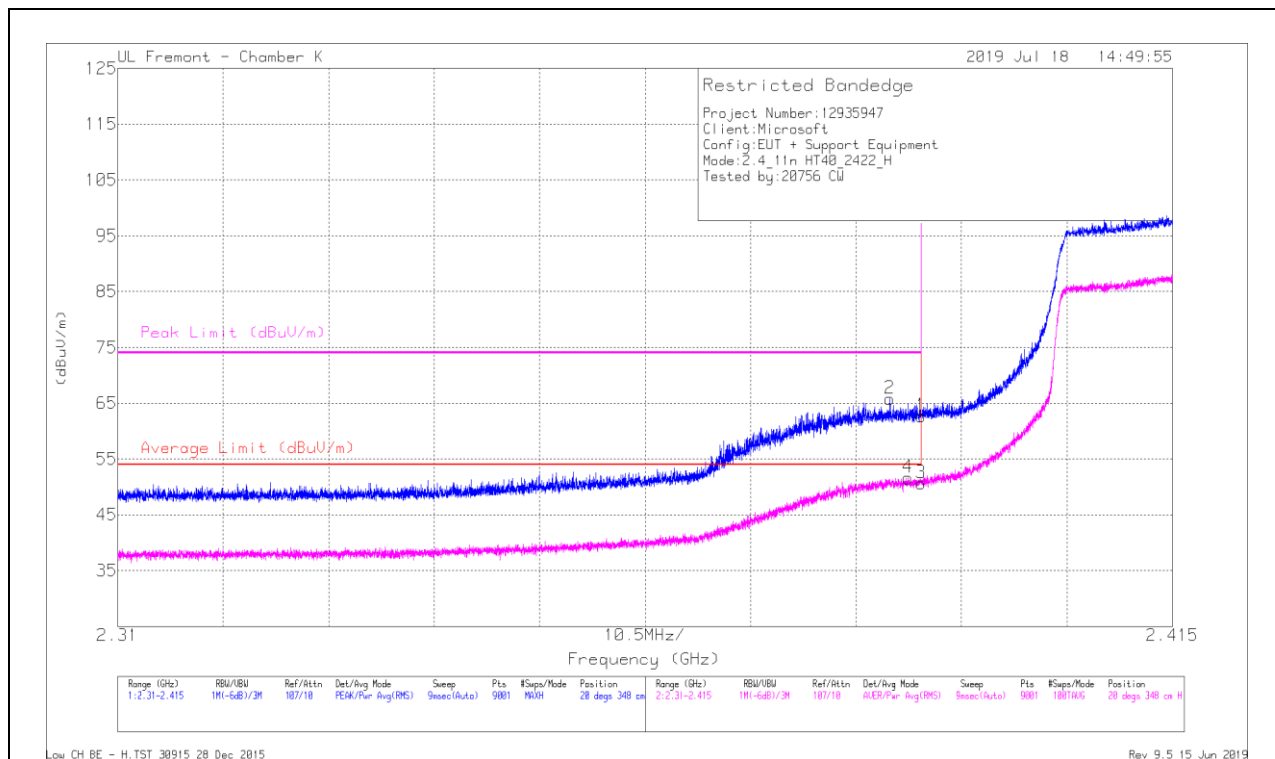
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.1.4. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 2.4 GHz BAND

2TX Chain 0 + Chain 1 SDM MODE

BANDEDGE (LOW CHANNEL, CH 3)

HORIZONTAL RESULT



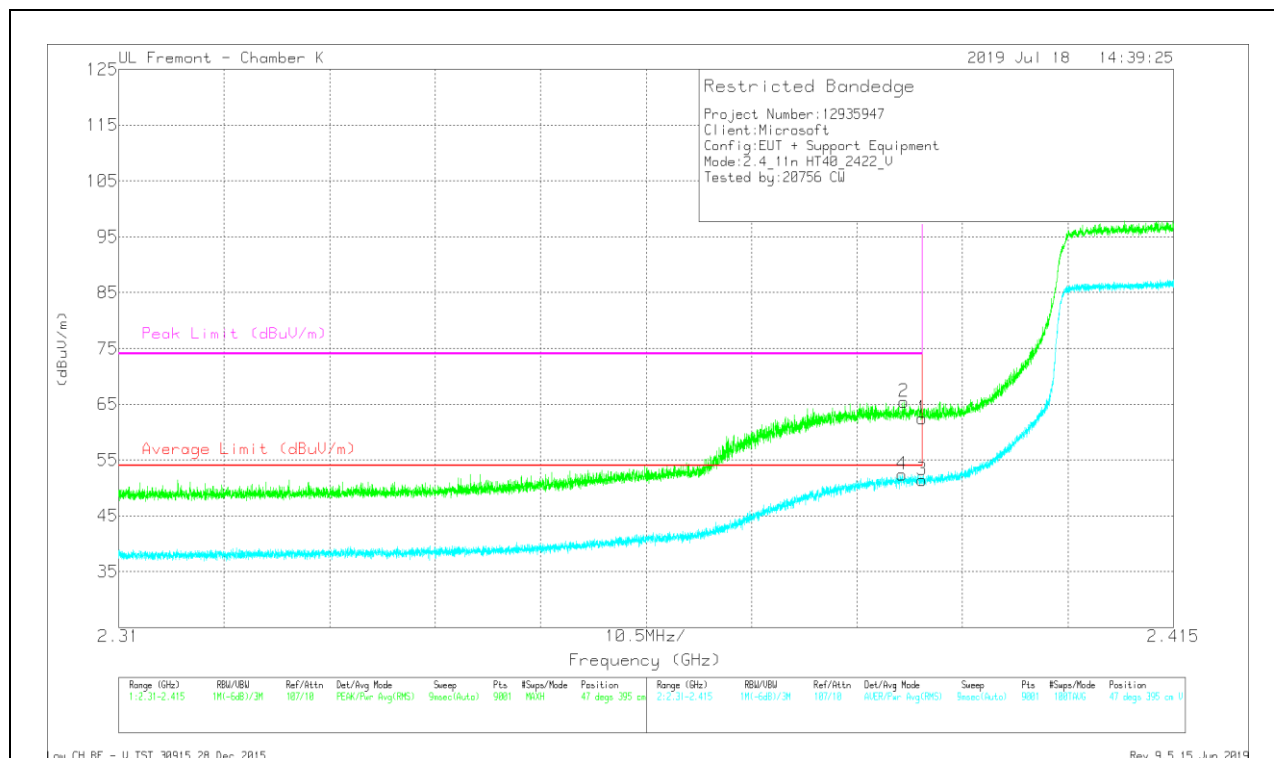
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Ampl/Cb/Filt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	55.51	Pk	31.9	-24.7	62.71	-	-	74	-11.29	20	348	H
2	* 2.38686	58.52	Pk	31.9	-24.6	65.82	-	-	74	-8.18	20	348	H
3	* 2.38999	43.5	RMS	31.9	-24.7	50.7	54	-3.3	-	-	20	348	H
4	* 2.38869	44.4	RMS	31.9	-24.7	51.6	54	-2.4	-	-	20	348	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 EMC4294 (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	55.22	Pk	31.9	-24.7	62.42	-	-	74	-11.58	47	395	V
2	* 2.38818	58.14	Pk	31.9	-24.6	65.44	-	-	74	-8.56	47	395	V
3	* 2.38999	44.25	RMS	31.9	-24.7	51.45	54	-2.55	-	-	47	395	V
4	* 2.38799	45.06	RMS	31.9	-24.6	52.36	54	-1.64	-	-	47	395	V

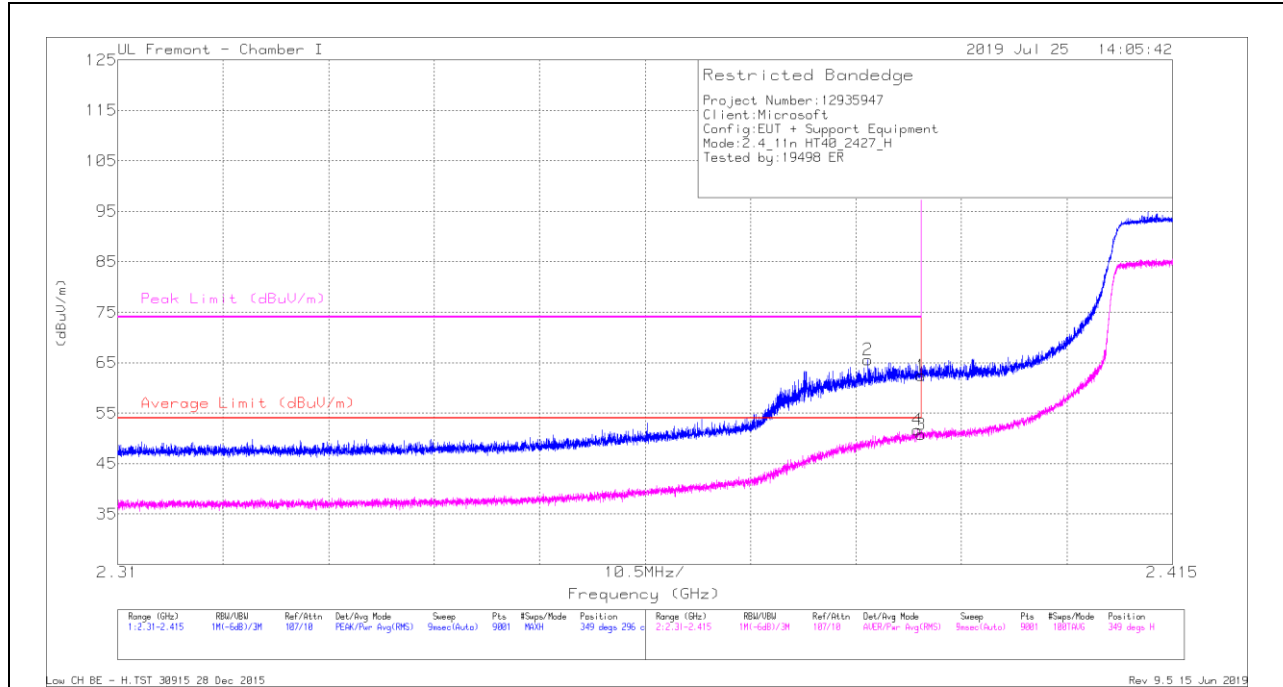
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 4)

HORIZONTAL RESULT



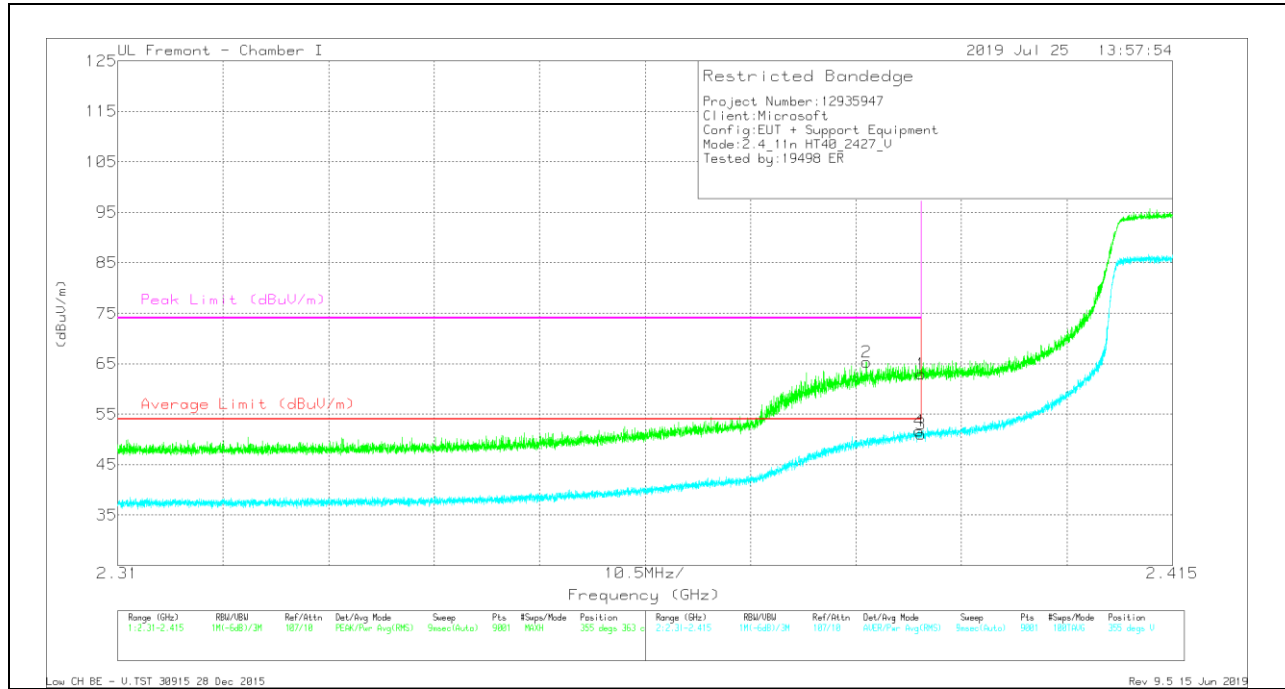
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	52.13	Pk	31.9	-21.6	62.43	-	-	74	-11.57	349	296	H
2	* 2.3847	55.32	Pk	31.9	-21.6	65.62	-	-	74	-8.38	349	296	H
3	* 2.38999	40.53	RMS	31.9	-21.6	50.83	54	-3.17	-	-	349	296	H
4	* 2.38963	41.4	RMS	31.9	-21.6	51.7	54	-2.3	-	-	349	296	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 T862 (dBm)	Amp/Cbl/Fit r/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	52.61	Pk	31.9	-21.6	62.91	-	-	74	-11.09	355	363	V
2	* 2.38458	55.01	Pk	31.9	-21.6	65.31	-	-	74	-8.69	355	363	V
3	* 2.38999	40.68	RMS	31.9	-21.6	50.98	54	-3.02	-	-	355	363	V
4	* 2.3898	41.32	RMS	31.9	-21.6	51.62	54	-2.38	-	-	355	363	V

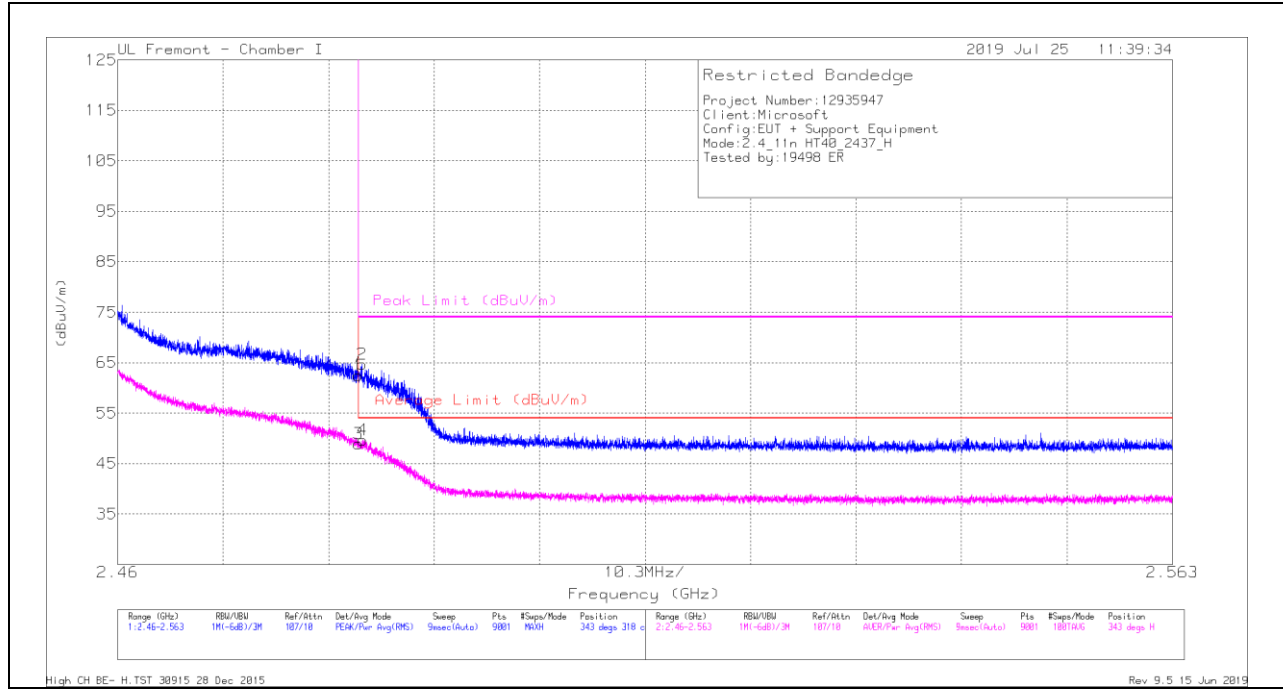
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (MID CHANNEL, CH 6, HIGH EDGE)

HORIZONTAL RESULT



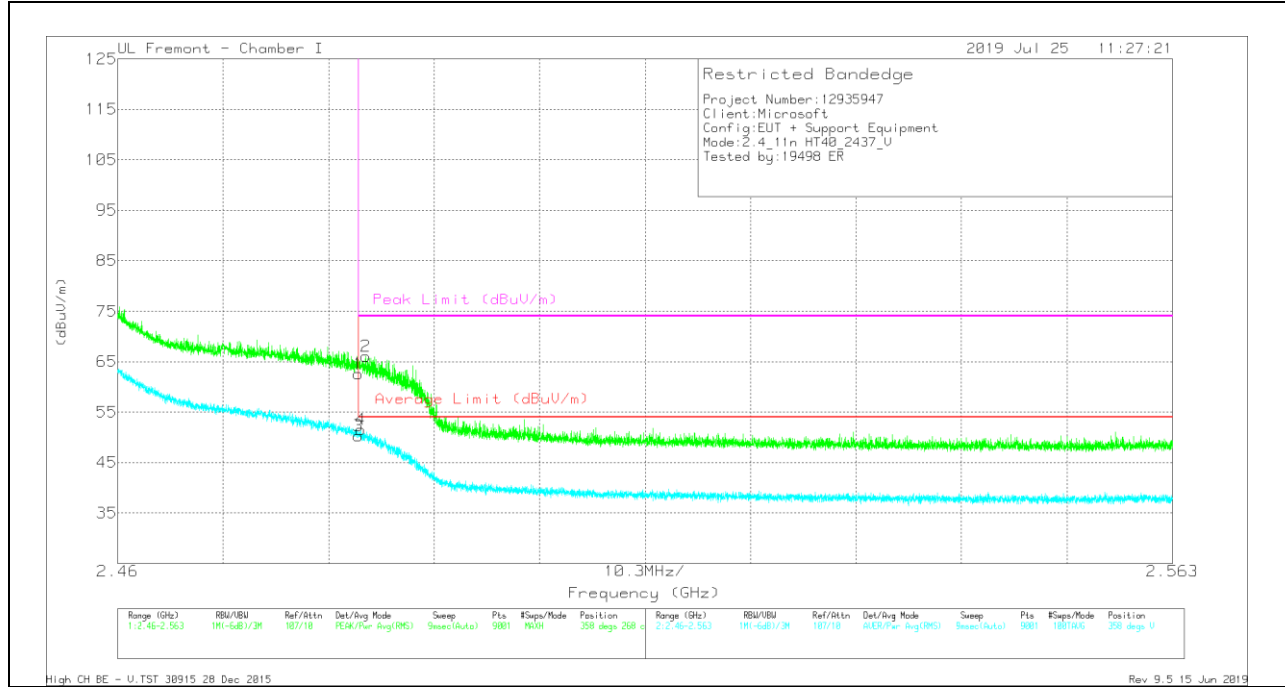
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	51.73	Pk	32.4	-21.7	62.43	-	-	74	-11.57	343	318	H
2	* 2.48385	53.94	Pk	32.4	-21.7	64.64	-	-	74	-9.36	343	318	H
3	* 2.48351	38.28	RMS	32.4	-21.7	48.98	54	-5.02	-	-	343	318	H
4	* 2.48394	38.93	RMS	32.4	-21.7	49.63	54	-4.37	-	-	343	318	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 T862 (dBm)	Amp/Cbl/Fit r/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	51.83	Pk	32.4	-21.7	62.53	-	-	74	-11.47	358	268	V
2	* 2.48423	55.33	Pk	32.4	-21.7	66.03	-	-	74	-7.97	358	268	V
3	* 2.48351	39.54	RMS	32.4	-21.7	50.24	54	-3.76	-	-	358	268	V
4	* 2.48372	40.78	RMS	32.4	-21.7	51.48	54	-2.52	-	-	358	268	V

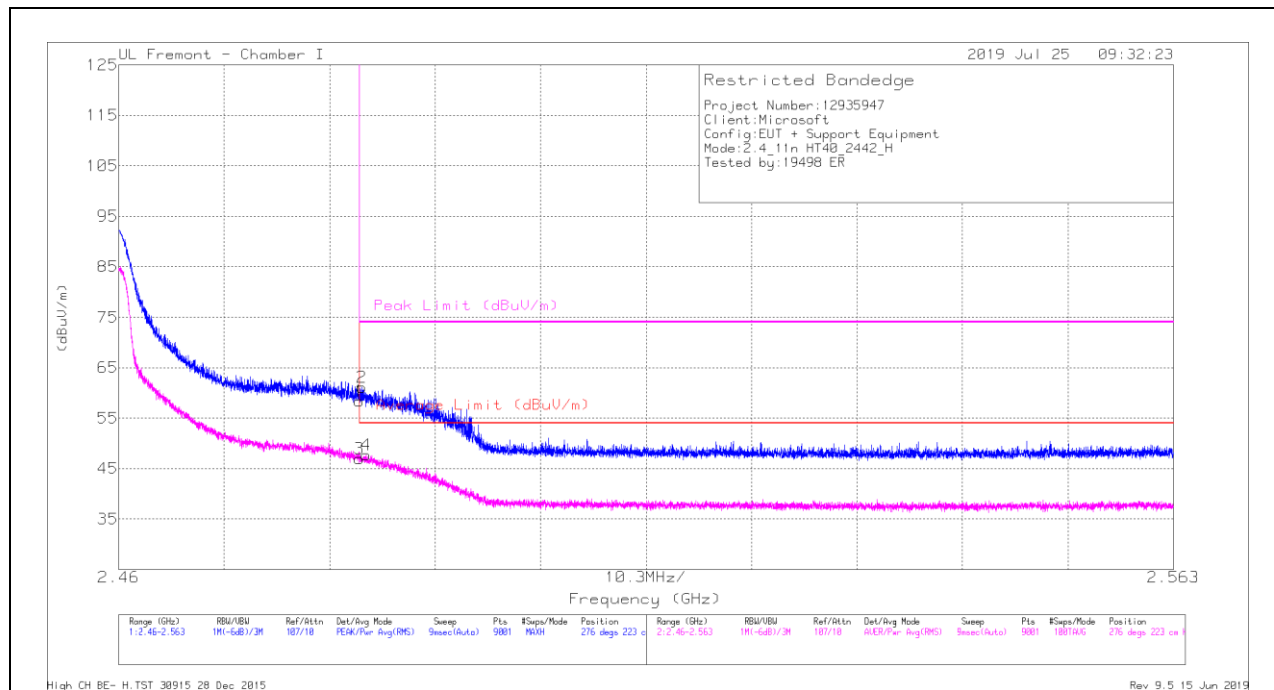
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 7)

HORIZONTAL RESULT



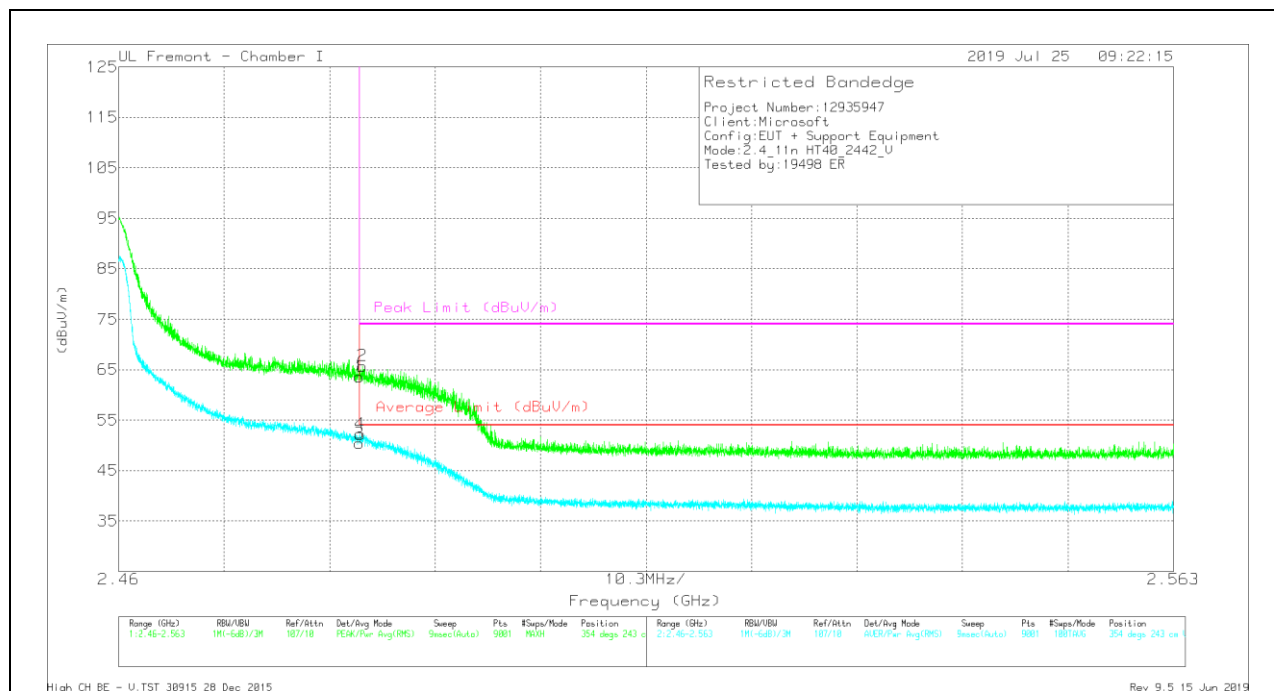
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Filt r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.48351	47.64	Pk	32.4	-21.7	58.34	-	-	74	-15.66	276	223	H
2	2.48372	50.34	Pk	32.4	-21.7	61.04	-	-	74	-12.96	276	223	H
3	2.48351	36.19	RMS	32.4	-21.7	46.89	54	-7.11	-	-	276	223	H
4	2.48415	36.96	RMS	32.4	-21.7	47.66	54	-6.34	-	-	276	223	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 T862 (dB/m)	Amp/Cb/Flt r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	2.48351	52.92	Pk	32.4	-21.7	63.62	-	-	74	-10.38	354	243	V
2	2.48382	55.05	Pk	32.4	-21.7	65.75	-	-	74	-8.25	354	243	V
3	2.48351	39.69	RMS	32.4	-21.7	50.39	54	-3.61	-	-	354	243	V
4	2.48359	41.52	RMS	32.4	-21.7	52.22	54	-1.78	-	-	354	243	V

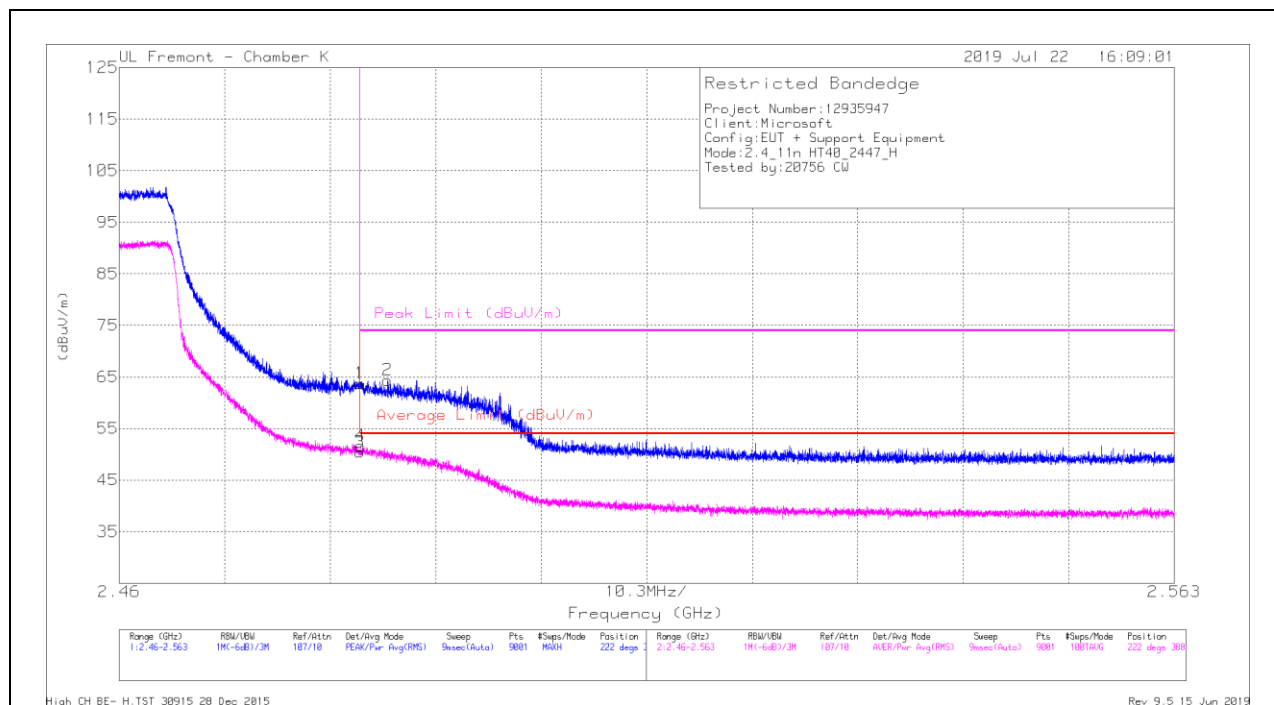
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 8)

HORIZONTAL RESULT



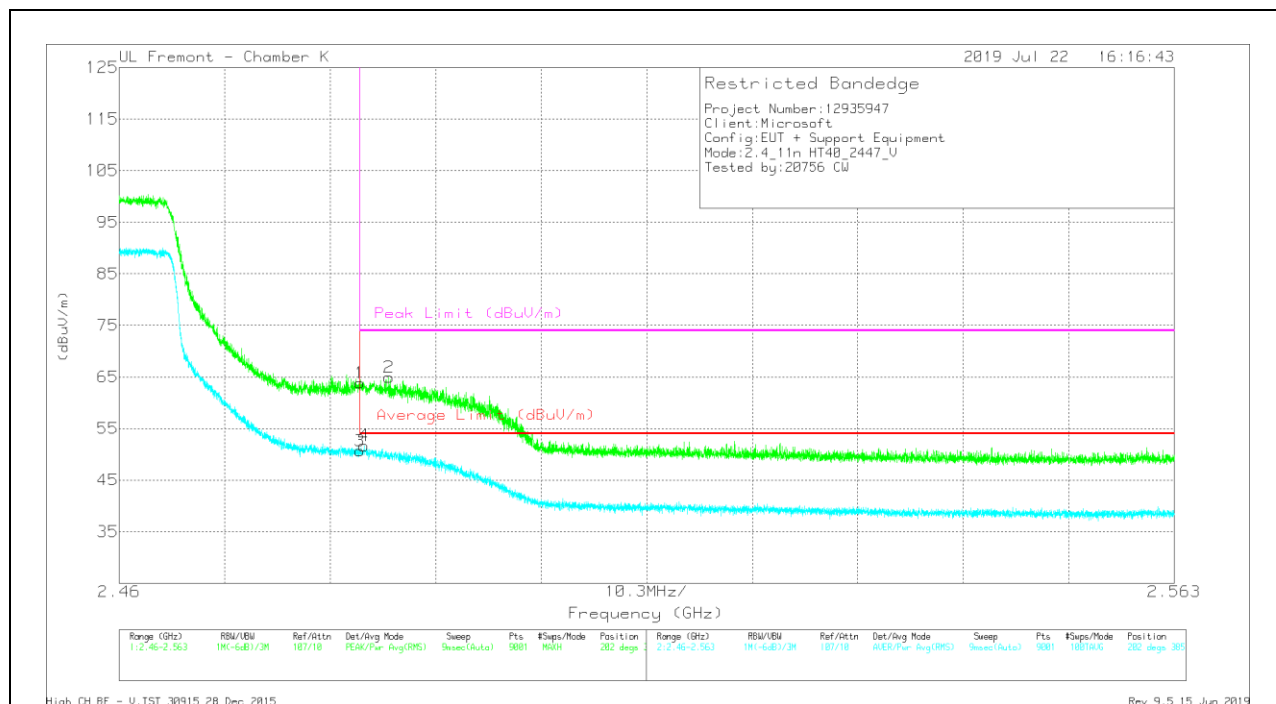
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/CbllFilt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	56.05	Pk	32.5	-24.8	63.75	-	-	74	-10.25	222	388	H
2	* 2.48618	56.69	Pk	32.5	-24.8	64.39	-	-	74	-9.61	222	388	H
3	* 2.48351	42.71	RMS	32.5	-24.8	50.41	54	-3.59	-	-	222	388	H
4	* 2.48356	43.91	RMS	32.5	-24.8	51.61	54	-2.39	-	-	222	388	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 EMC4294 (dB/m)	Amp/Cb/Filt /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	56.13	Pk	32.5	-24.8	63.83	-	-	74	-10.17	202	385	V
2	* 2.48633	57.22	Pk	32.5	-24.8	64.92	-	-	74	-9.08	202	385	V
3	* 2.48351	42.98	RMS	32.5	-24.8	50.68	54	-3.32	-	-	202	385	V
4	* 2.48388	43.97	RMS	32.5	-24.8	51.67	54	-2.33	-	-	202	385	V

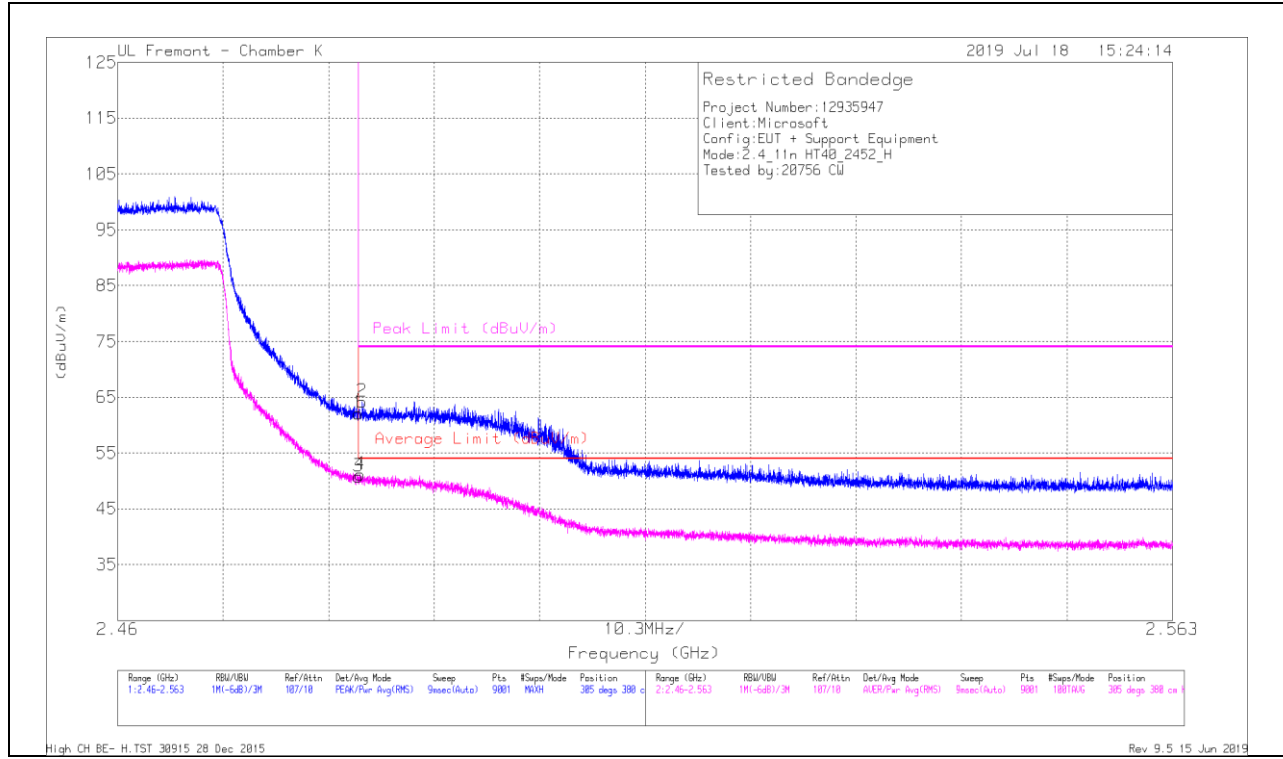
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 9)

HORIZONTAL RESULT



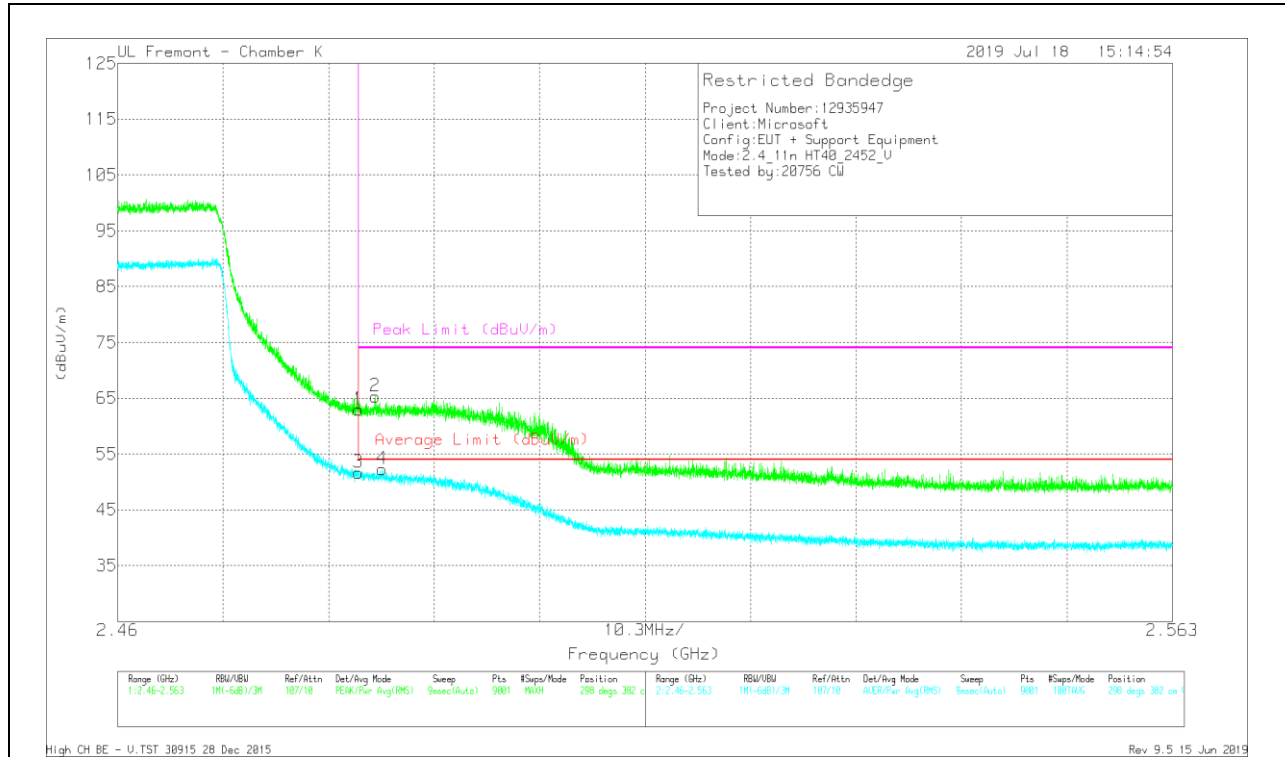
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	54.41	Pk	32.5	-24.8	62.11	-	-	74	-11.89	305	380	H
2	* 2.48388	56.55	Pk	32.5	-24.8	64.25	-	-	74	-9.75	305	380	H
3	* 2.48351	43.07	RMS	32.5	-24.8	50.77	54	-3.23	-	-	305	380	H
4	* 2.48367	43.46	RMS	32.5	-24.8	51.16	54	-2.84	-	-	305	380	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 EMC4294 (dB/m)	Amp/Cbll/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	* 2.48351	55.21	Pk	32.5	-24.8	62.91	-	-	74	-11.09	298	382	V
2	* 2.48514	57.62	Pk	32.5	-24.8	65.32	-	-	74	-8.68	298	382	V
3	* 2.48351	43.92	RMS	32.5	-24.8	51.62	54	-2.38	-	-	298	382	V
4	* 2.48583	44.57	RMS	32.5	-24.8	52.27	54	-1.73	-	-	298	382	V

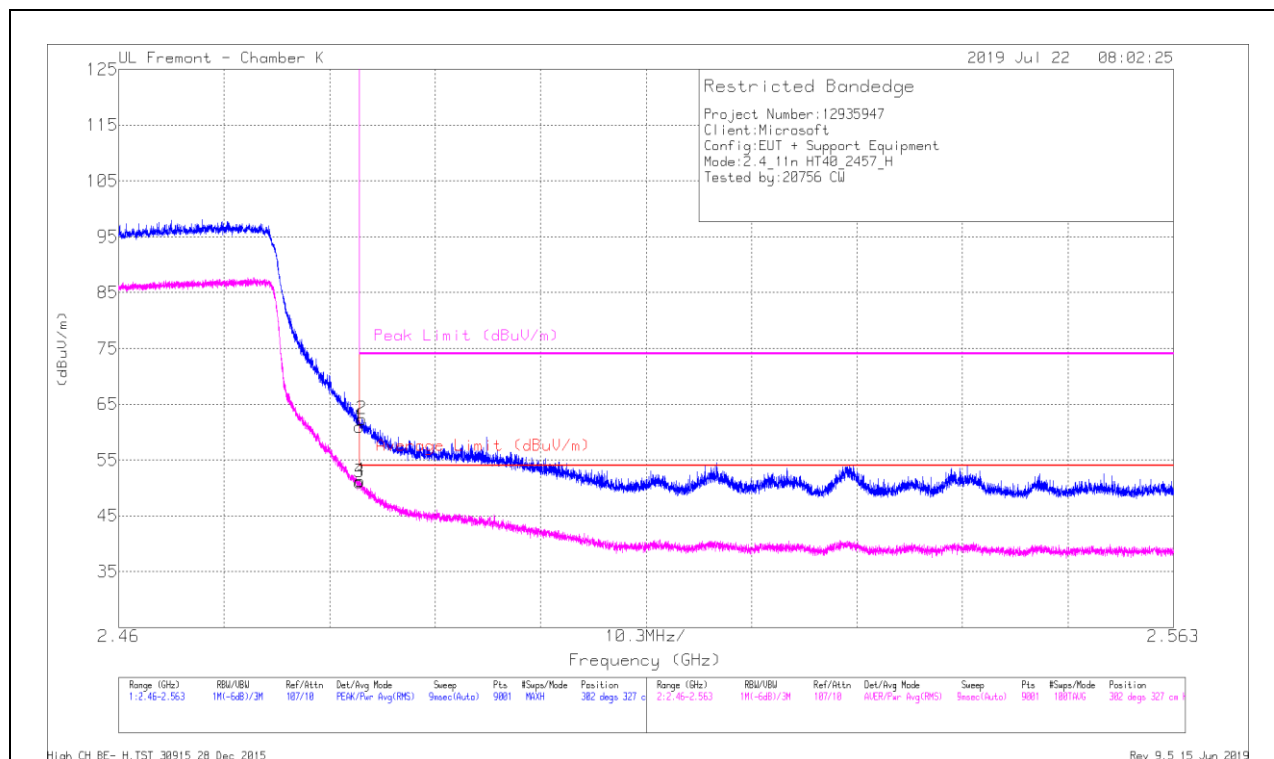
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



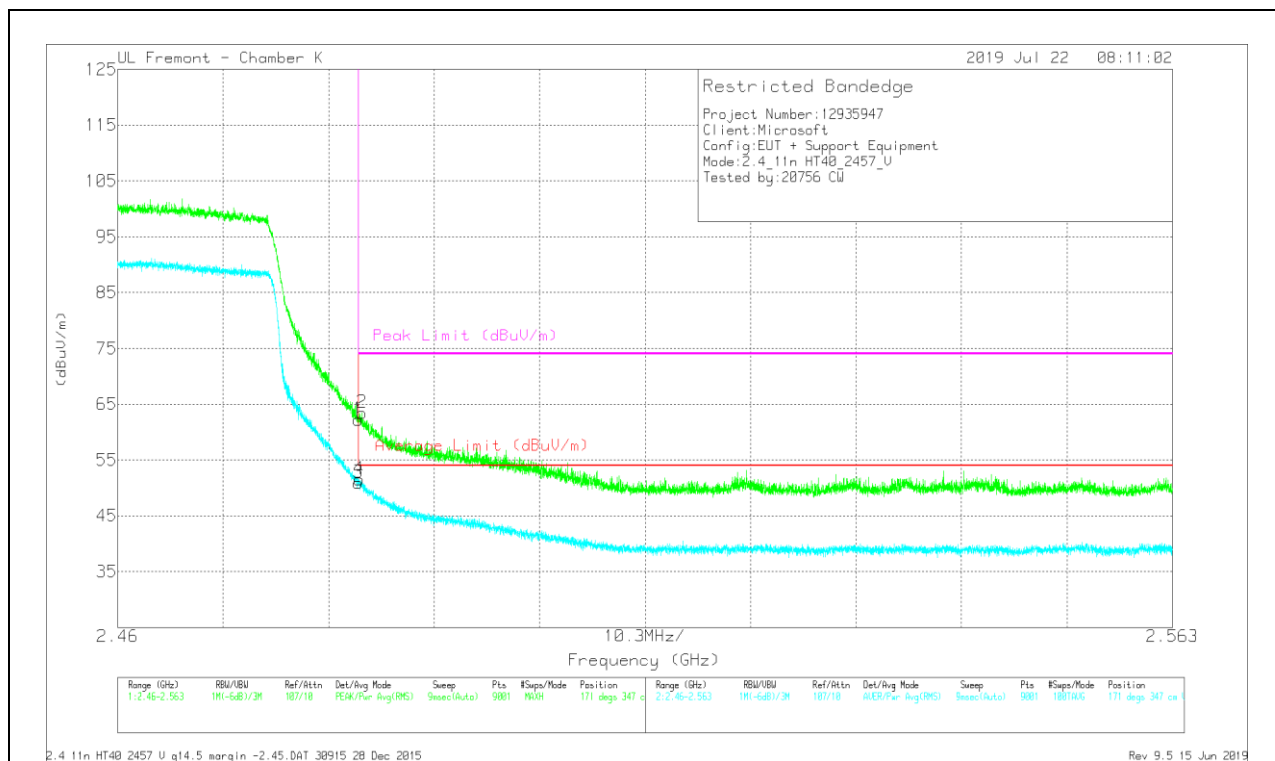
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	53.28	Pk	32.5	-24.8	60.98	-	-	74	-13.02	302	327	H
2	* 2.48376	54.59	Pk	32.5	-24.8	62.29	-	-	74	-11.71	302	327	H
3	* 2.48351	43.36	RMS	32.5	-24.8	51.06	54	-2.94	-	-	302	327	H
4	* 2.48354	43.61	RMS	32.5	-24.8	51.31	54	-2.69	-	-	302	327	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 EMC4294 (dB/m)	Amp/Cbl/Filt/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	54.54	Pk	32.5	-24.8	62.24	-	-	74	-11.76	171	347	V
2	* 2.48385	55.71	Pk	32.5	-24.8	63.41	-	-	74	-10.59	171	347	V
3	* 2.48351	43.22	RMS	32.5	-24.8	50.92	54	-3.08	-	-	171	347	V
4	* 2.48359	43.85	RMS	32.5	-24.8	51.55	54	-2.45	-	-	171	347	V

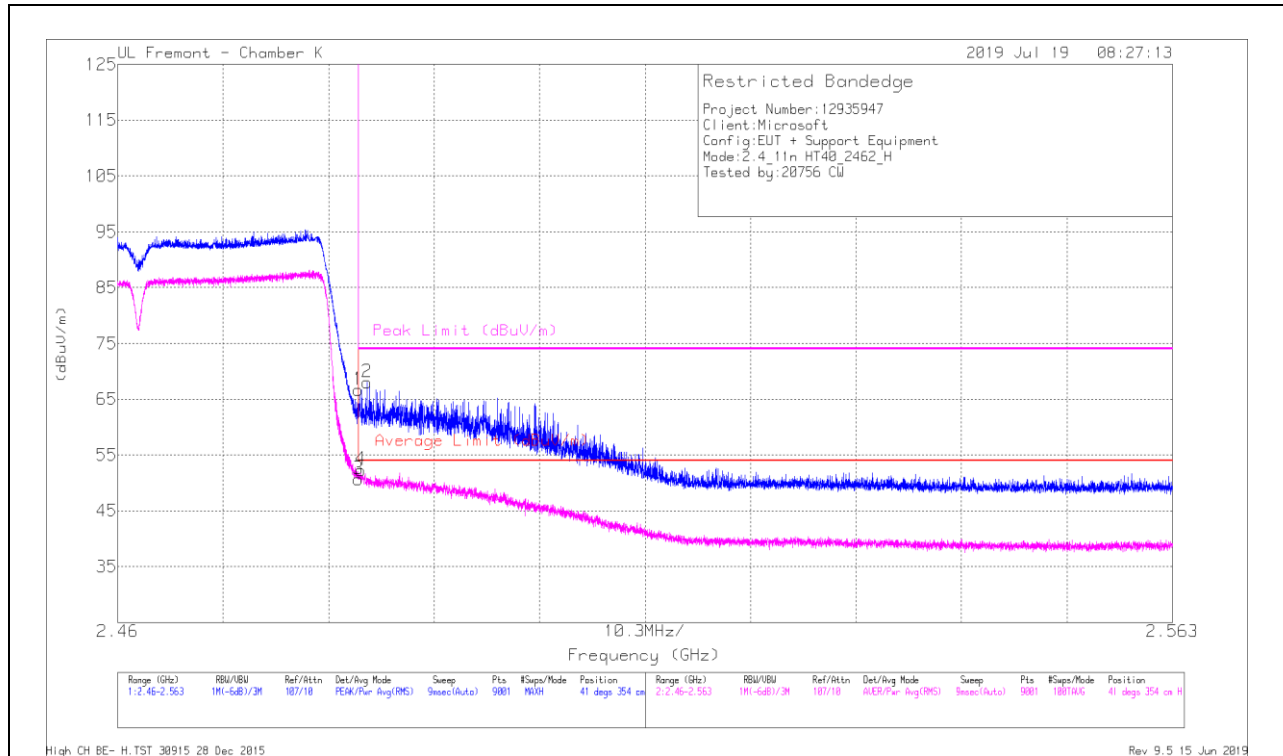
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



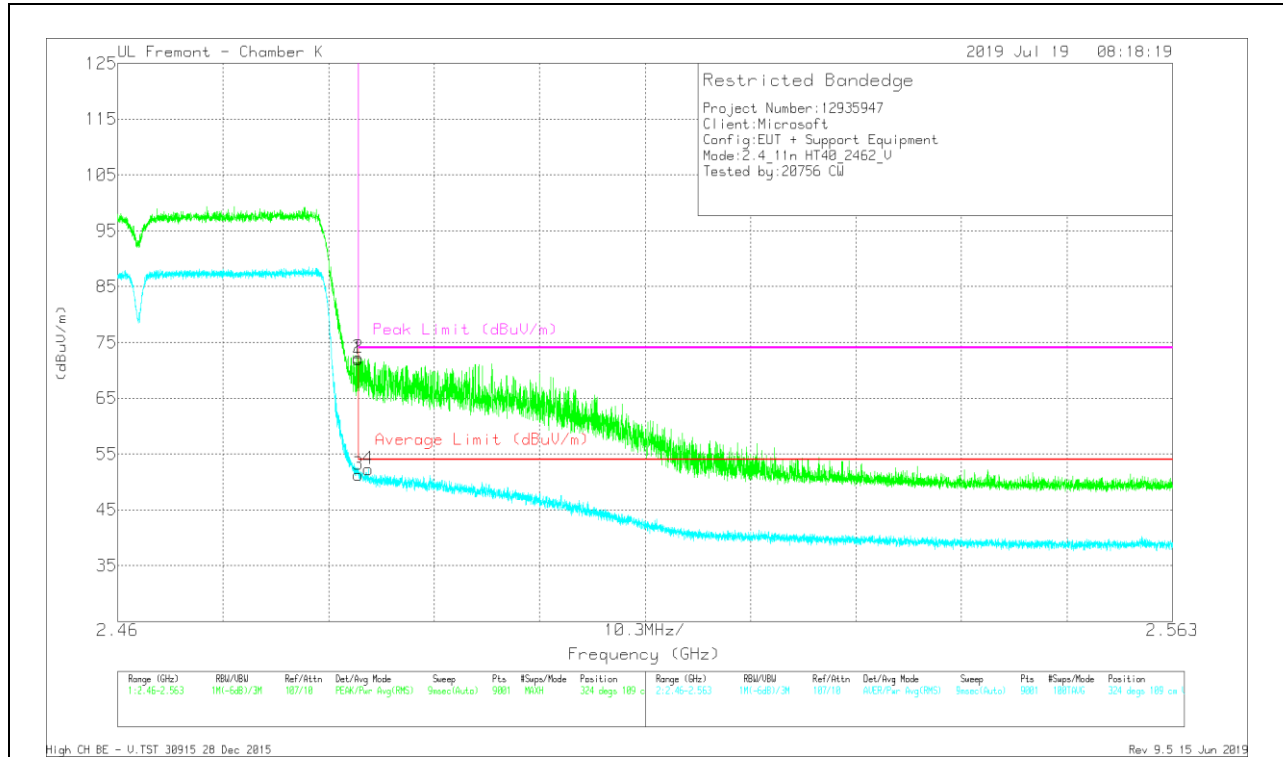
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	58.98	Pk	32.5	-24.8	66.68	-	-	74	-7.32	41	354	H
2	* 2.48434	60.35	Pk	32.5	-24.8	68.05	-	-	74	-5.95	41	354	H
3	* 2.48351	42.93	RMS	32.5	-24.8	50.63	54	-3.37	-	-	41	354	H
4	* 2.48374	44.64	RMS	32.5	-24.8	52.34	54	-1.66	-	-	41	354	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 EMC4294 (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	* 2.48351	64.28	Pk	32.5	-24.8	71.98	-	-	74	-2.02	324	109	V
2	* 2.48352	64.55	Pk	32.5	-24.8	72.25	-	-	74	-1.75	324	109	V
3	* 2.48351	43.57	RMS	32.5	-24.8	51.27	54	-2.73	-	-	324	109	V
4	* 2.48446	44.53	RMS	32.5	-24.8	52.23	54	-1.77	-	-	324	109	V

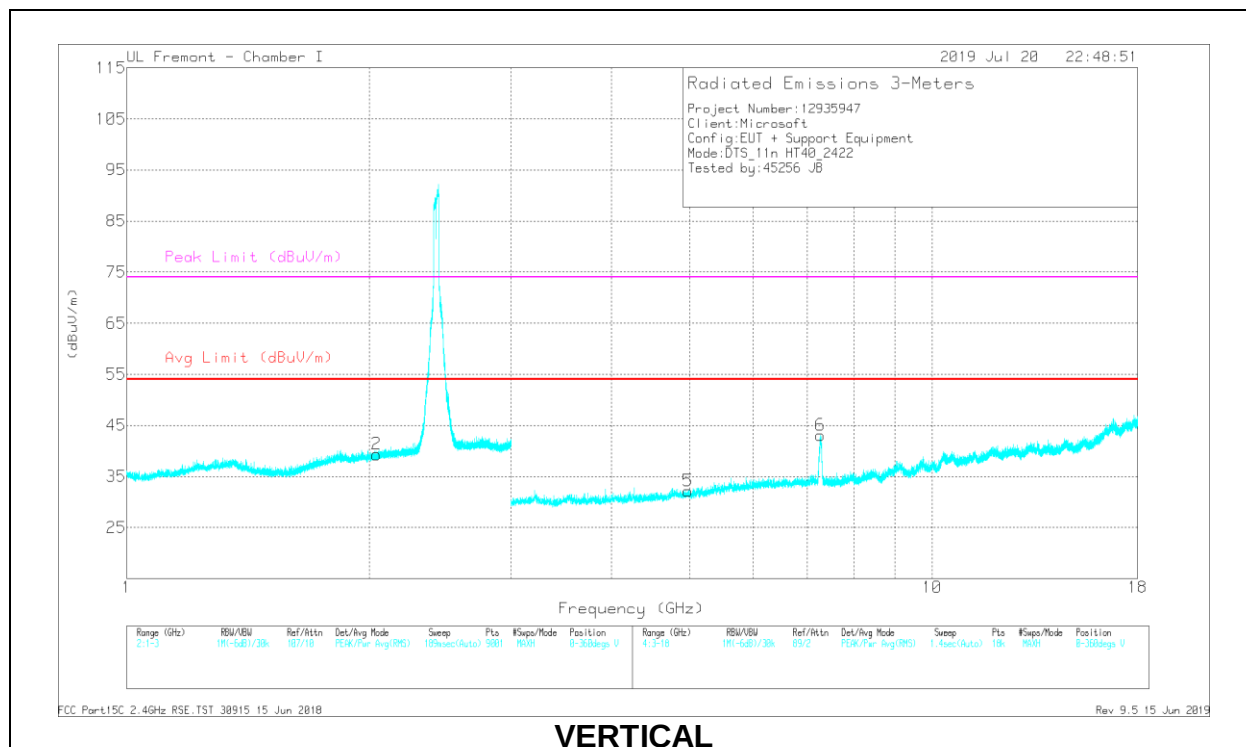
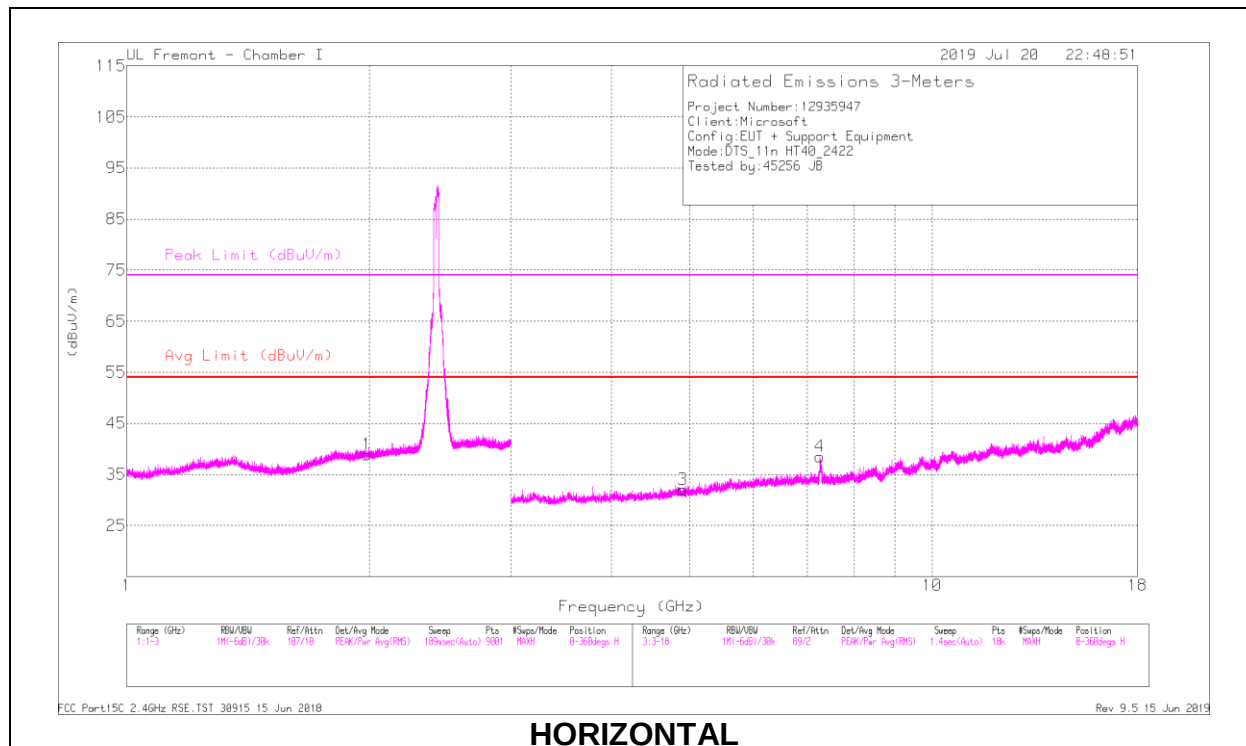
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 3 RESULTS



RADIATED EMISSIONS

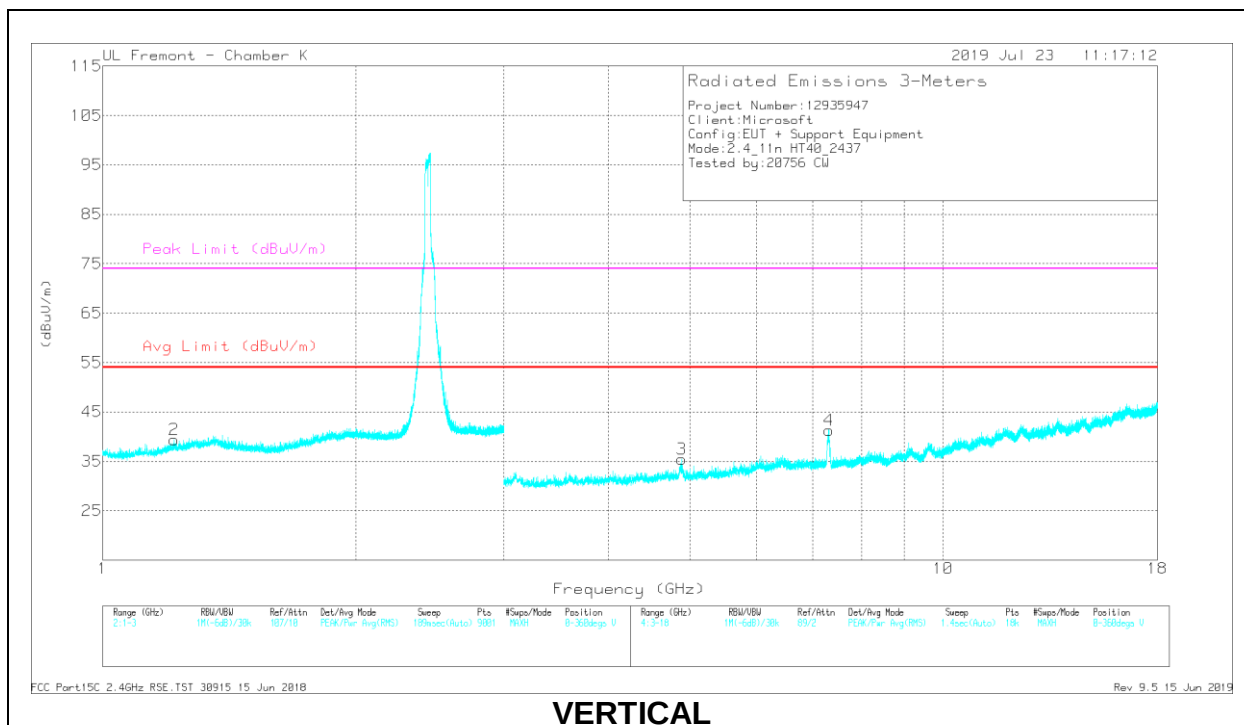
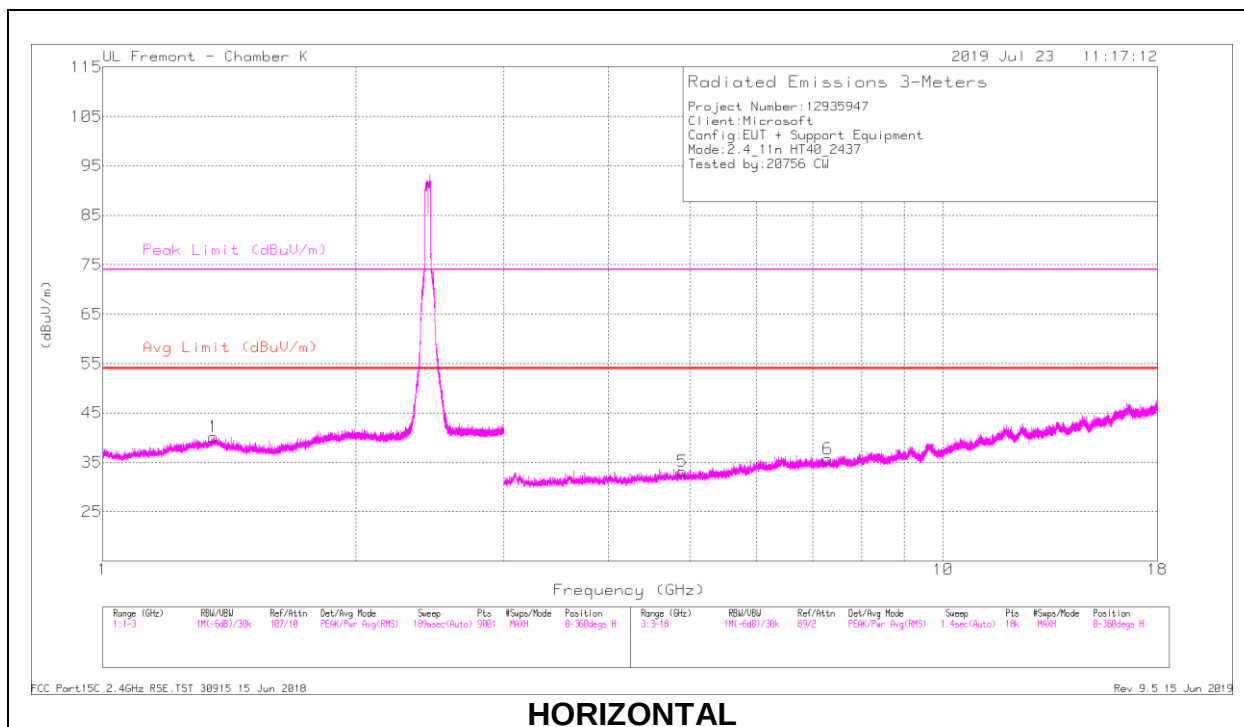
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.98756	30.53	PK	30.9	-22.6	0	38.83	-	-	-	-	0-360	102	H
2	2.04356	30.82	PK	31	-22.5	0	39.32	-	-	-	-	0-360	100	V
3	* 4.90876	34.15	PK2	34.1	-28.8	0	39.45	-	-	74	-34.55	261	317	H
	* 4.90781	24.94	MAv1	34.1	-28.8	0	30.24	54	-23.76	-	-	261	317	H
4	* 7.25807	42.36	PK2	35.5	-25.9	0	51.96	-	-	74	-22.04	140	355	H
	* 7.25542	32.5	MAv1	35.6	-25.9	0	42.2	54	-11.8	-	-	140	355	H
5	* 4.97541	35.77	PK2	34.2	-29.1	0	40.87	-	-	74	-33.13	87	388	V
	* 4.97639	24.56	MAv1	34.1	-29.1	0	29.56	54	-24.44	-	-	87	388	V
6	* 7.26922	42.07	PK2	35.5	-25.9	0	51.67	-	-	74	-22.33	215	221	V
	* 7.2694	23.83	MAv1	35.6	-25.9	0	33.53	54	-20.47	-	-	215	221	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



RADIATED EMISSIONS

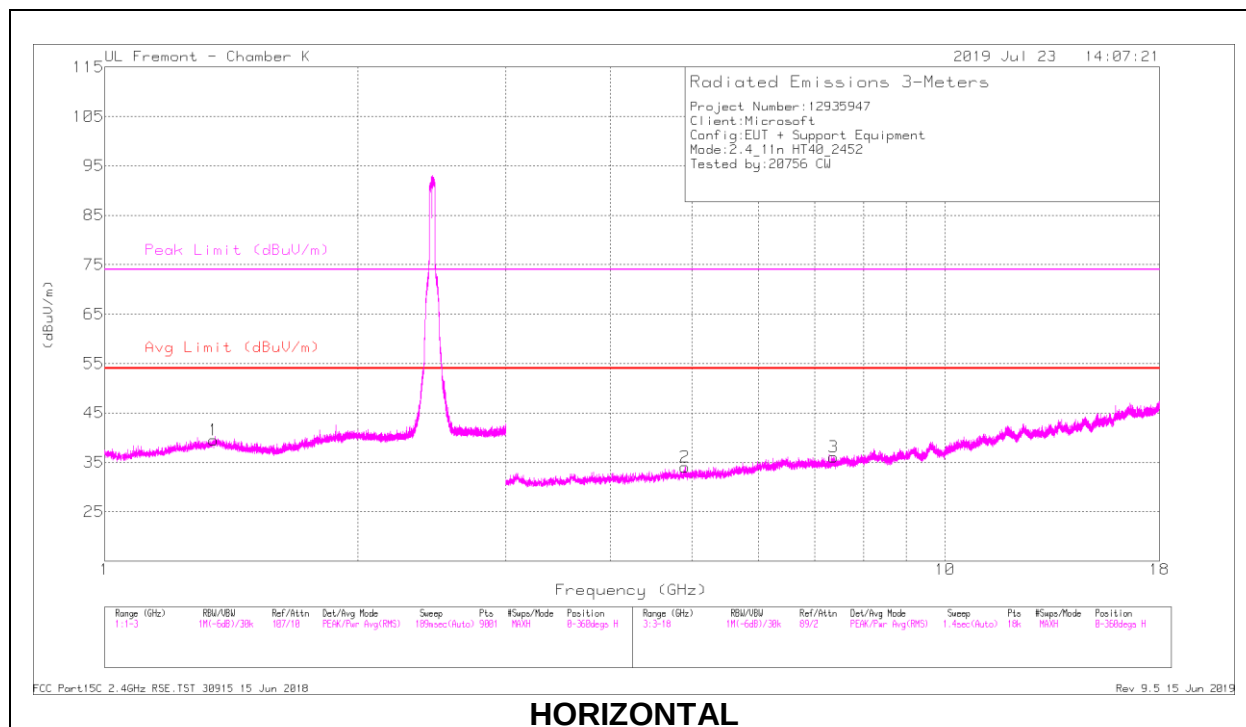
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.35471	40.7	PK2	29.6	-23.8	46.5	-	-	74	-27.5	186	135	H
	* 1.354	31.62	MAv1	29.6	-23.8	37.42	54	-16.58	-	-	186	135	H
2	* 1.21674	38.72	PK2	28.7	-23.9	43.52	-	-	74	-30.48	281	166	V
	* 1.21595	31.56	MAv1	28.7	-23.9	36.36	54	-17.64	-	-	281	166	V
5	* 4.89152	37.02	PK2	34.1	-30.4	40.72	-	-	74	-33.28	225	136	H
	* 4.89544	27.2	MAv1	34.1	-30.5	30.8	54	-23.2	-	-	225	136	H
6	* 7.29911	35.86	PK2	35.5	-26.3	45.06	-	-	74	-28.94	219	397	H
	* 7.29755	26.02	MAv1	35.5	-26.3	35.22	54	-18.78	-	-	219	397	H
3	* 4.89555	41.35	PK2	34.1	-30.5	44.95	-	-	74	-29.05	148	212	V
	* 4.89212	29.6	MAv1	34.1	-30.4	33.3	54	-20.7	-	-	148	212	V
4	* 7.30179	41.34	PK2	35.5	-26.3	50.54	-	-	74	-23.46	214	155	V
	* 7.3133	29.47	MAv1	35.6	-26.3	38.77	54	-15.23	-	-	214	155	V

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

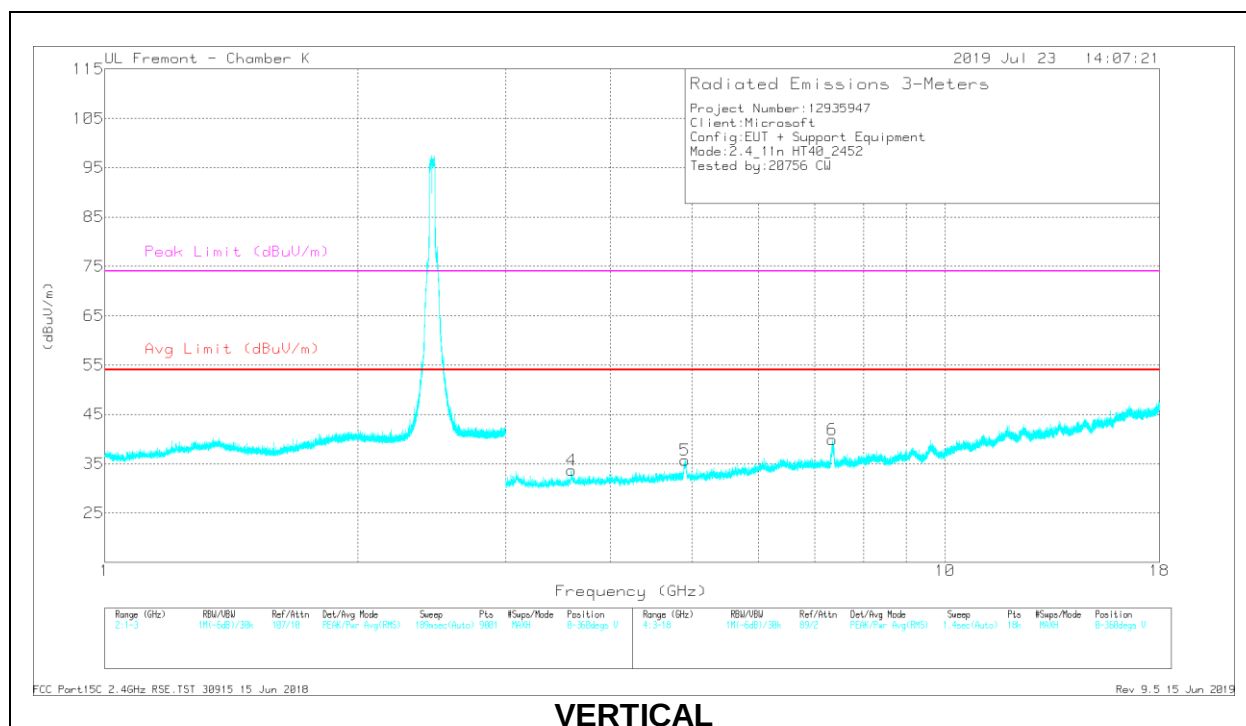
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 9 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Fit r/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	* 1.34941	40.83	PK2	29.6	-24	46.43	-	-	74	-27.57	132	127	H
	* 1.35012	31.55	MAv1	29.6	-24	37.15	54	-16.85	-	-	132	127	H
2	* 4.89798	40.34	PK2	34.1	-30.5	43.94	-	-	74	-30.06	190	283	H
	* 4.90525	29.1	MAv1	34.1	-30.6	32.6	54	-21.4	-	-	190	283	H
3	* 7.36331	31.76	PK2	35.6	-26.4	40.96	-	-	74	-33.04	310	220	H
	* 7.36501	23.57	MAv1	35.6	-26.4	32.77	54	-21.23	-	-	310	220	H
4	* 3.59519	37.64	PK2	33.9	-32.3	39.24	-	-	74	-34.76	177	227	V
	* 3.5947	29.14	MAv1	33.9	-32.3	30.74	54	-23.26	-	-	177	227	V
5	* 4.90279	44.7	PK2	34.1	-30.5	48.3	-	-	74	-25.7	187	294	V
	* 4.90286	32.76	MAv1	34.1	-30.5	36.36	54	-17.64	-	-	187	294	V
6	* 7.34614	39.59	PK2	35.6	-26.4	48.79	-	-	74	-25.21	148	239	V
	* 7.34974	29.57	MAv1	35.6	-26.4	38.77	54	-15.23	-	-	148	239	V

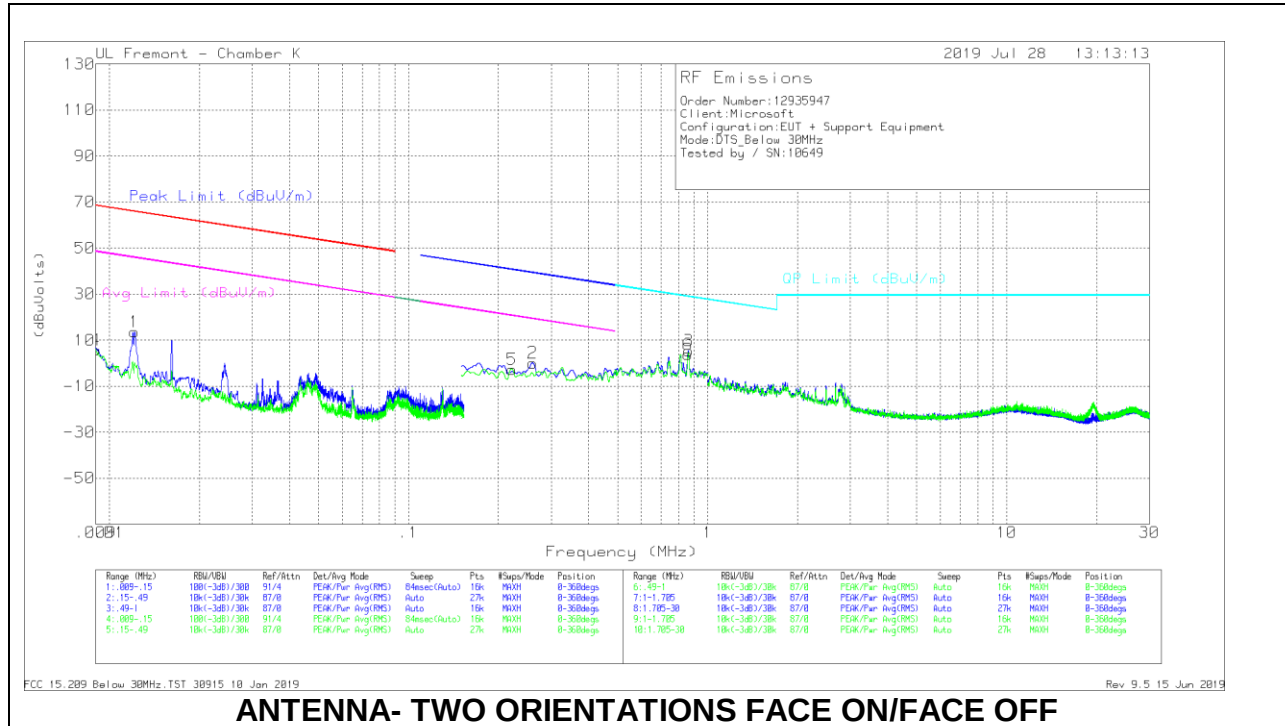
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Op tion 1 Maximum RMS Average

9.2. WORST CASE BELOW 30MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data

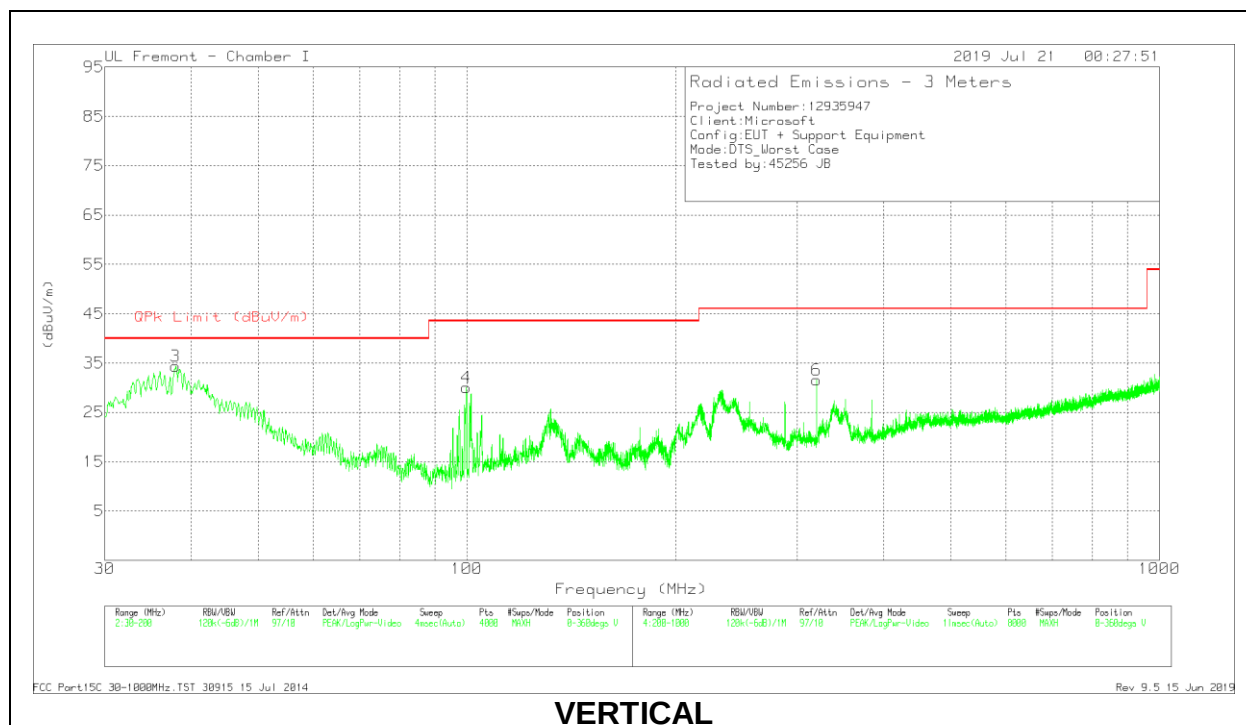
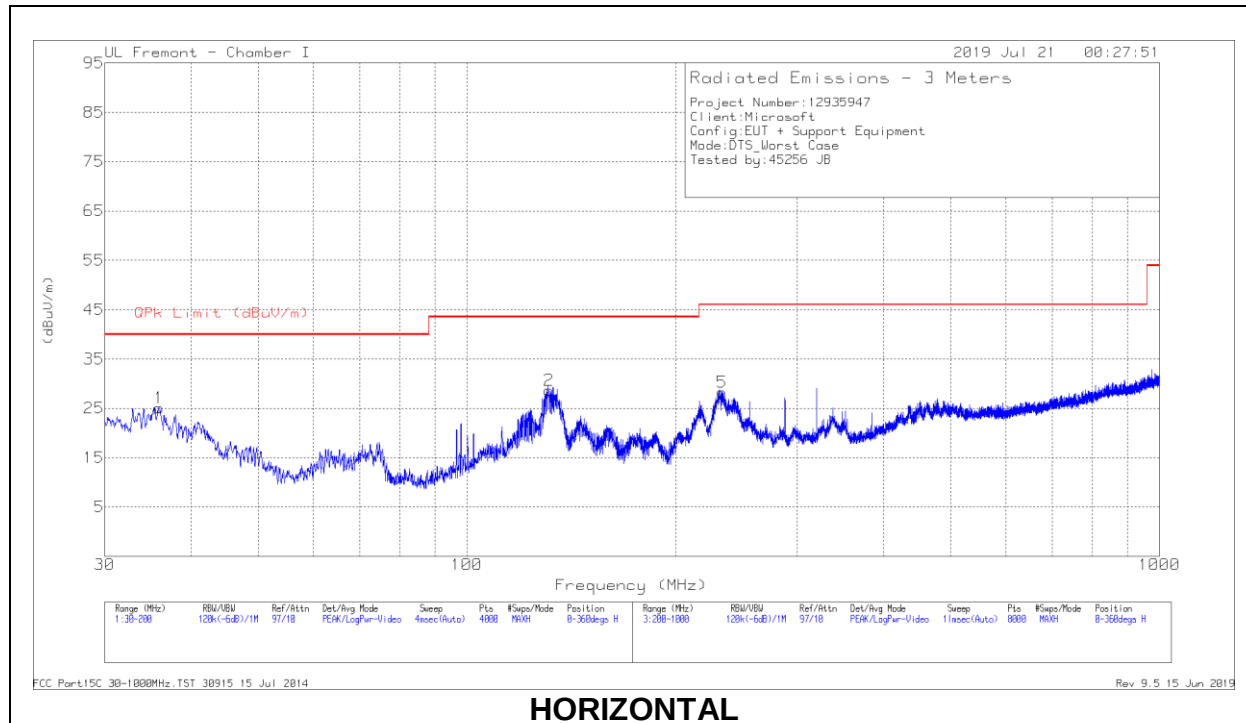
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE018 6650	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.01215	25.45	Pk	59.9	-31.8	-80	-26.45	65.89	-92.34	45.89	-72.34	-	-	-	-	0-360
2	.26043	16.12	Pk	56.1	-32.1	-80	-39.88	-	-	-	-	39.3	-79.18	19.3	-59.18	0-360
4	.00901	16.31	Pk	61.2	-31.8	-80	-34.29	68.49	-102.78	48.49	-82.78	-	-	-	-	0-360
5	.22229	13.36	Pk	56.1	-32.1	-80	-42.64	-	-	-	-	40.68	-83.32	20.68	-63.32	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE01 86650	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.86218	21.35	Pk	56.1	-32.1	-40	5.35	28.91	-23.56	0-360
6	.85915	19.8	Pk	56.1	-32.1	-40	3.8	28.94	-25.14	0-360

Pk - Peak detector

9.3. WORST CASE BELOW 1 GHZ



Below 1GHz DATA

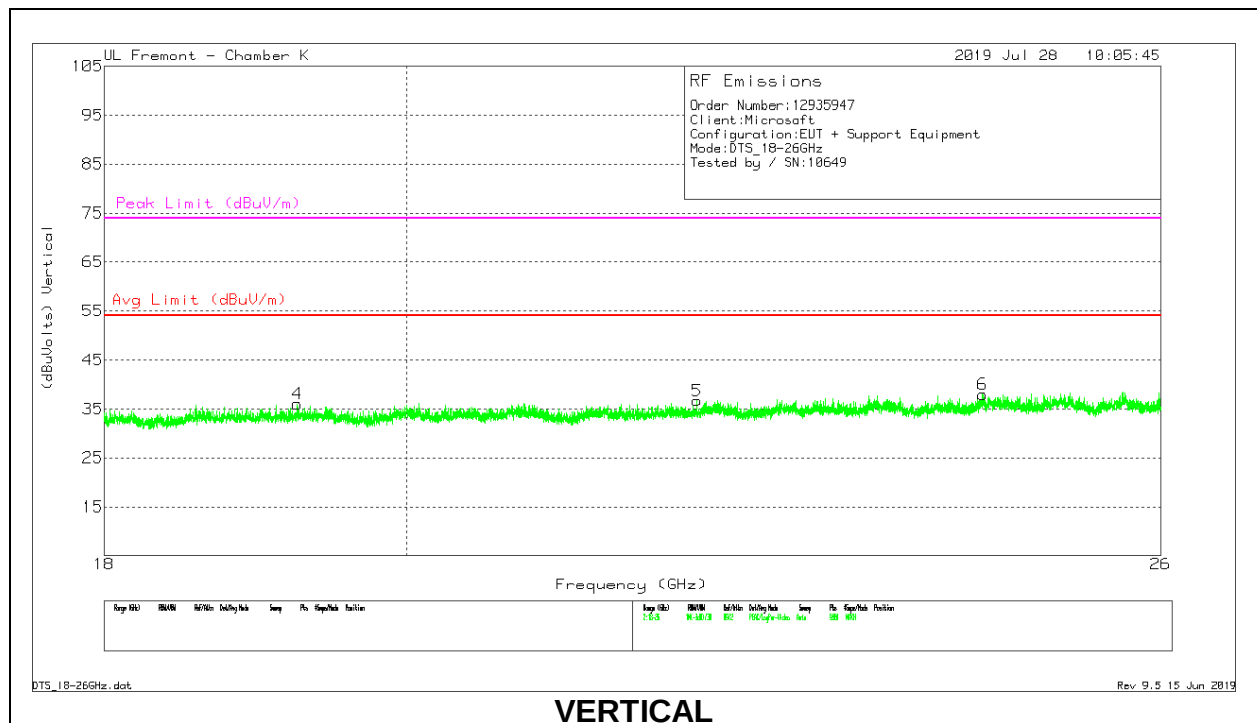
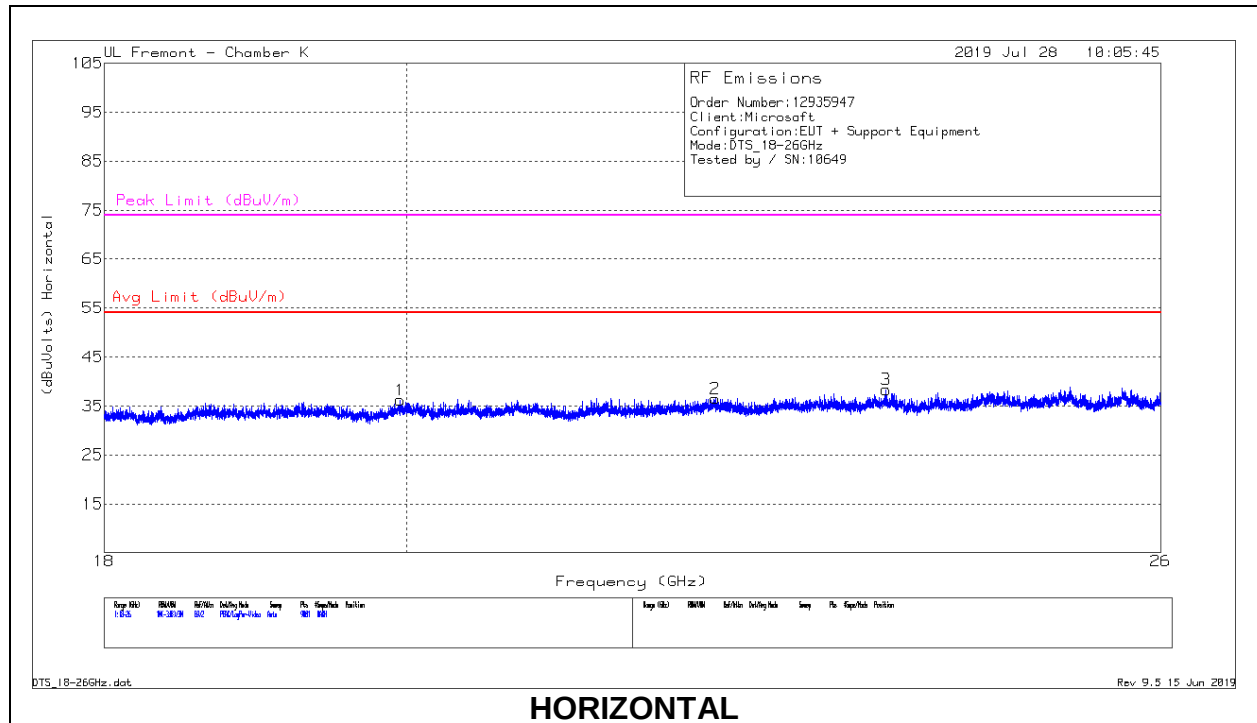
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184971 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	35.9515	34.02	Pk	22.5	-31.4	25.12	40	-14.88	0-360	199	H
2	* 131.4738	39.84	Pk	19.5	-30.7	28.64	43.52	-14.88	0-360	199	H
3	*37.9921	44.41	Pk	21.2	-31.3	34.31	40	-5.69	0-360	102	V
	*37.9312	42.57	Qp	21.2	-31.3	32.47	40	-7.53	142	128	V
4	99.8456	44.9	Pk	16.1	-30.9	30.1	43.52	-13.42	0-360	102	V
5	233.4043	41.17	Pk	17.2	-30.1	28.27	46.02	-17.75	0-360	299	H
6	319.9156	41.55	Pk	19.8	-29.8	31.55	46.02	-14.47	0-360	199	V

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

Pk - Peak detector

Qp - Quasi-Peak detector

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	19.95556	69.27	Pk	33.3	-56.9	-9.5	36.17	54	-17.83	74	-37.83
2	22.26845	69.7	Pk	34	-57.7	-9.5	36.5	54	-17.5	74	-37.5
3	23.63289	70.31	Pk	34.5	-57	-9.5	38.31	54	-15.69	74	-35.69
4	19.25511	69.61	Pk	33.3	-57.4	-9.5	36.01	54	-17.99	74	-37.99
5	22.12533	69.77	Pk	34	-57.6	-9.5	36.67	54	-17.33	74	-37.33
6	24.44267	68.72	Pk	34.7	-56	-9.5	37.92	54	-16.08	74	-36.08

Pk - Peak detector

10. 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.

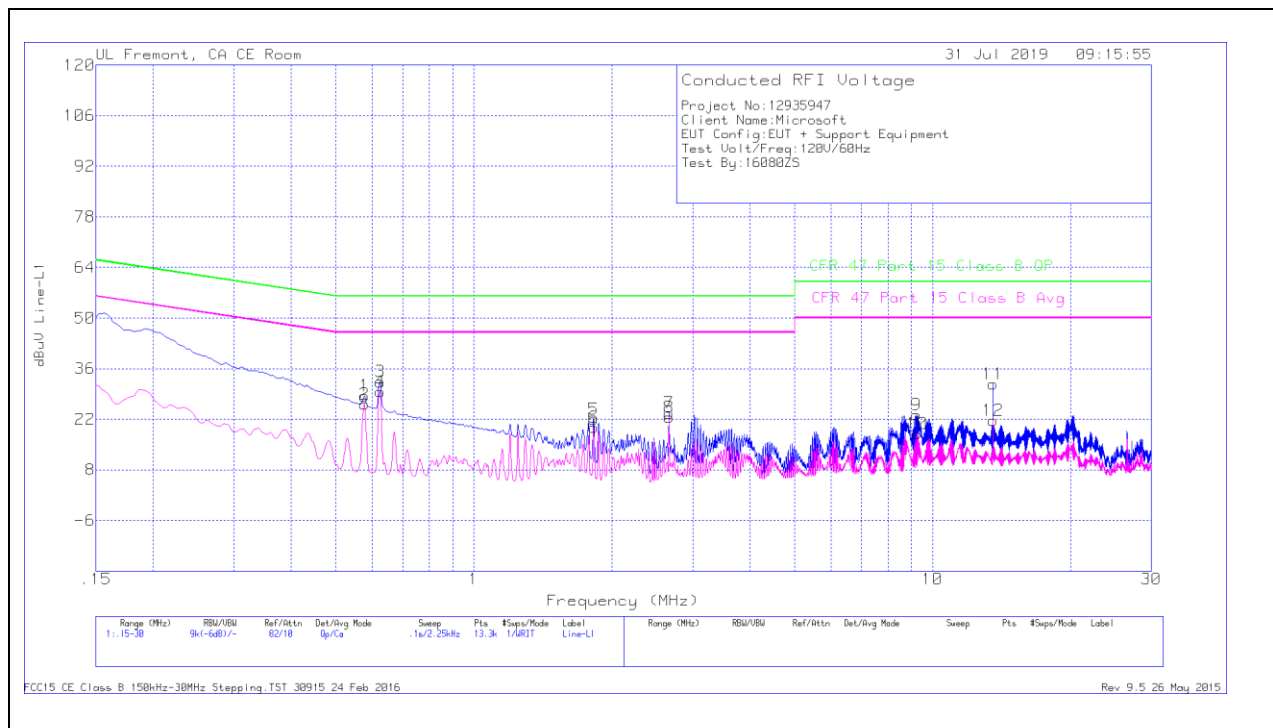
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Norm

LINE 1 RESULTS



Trace Markers

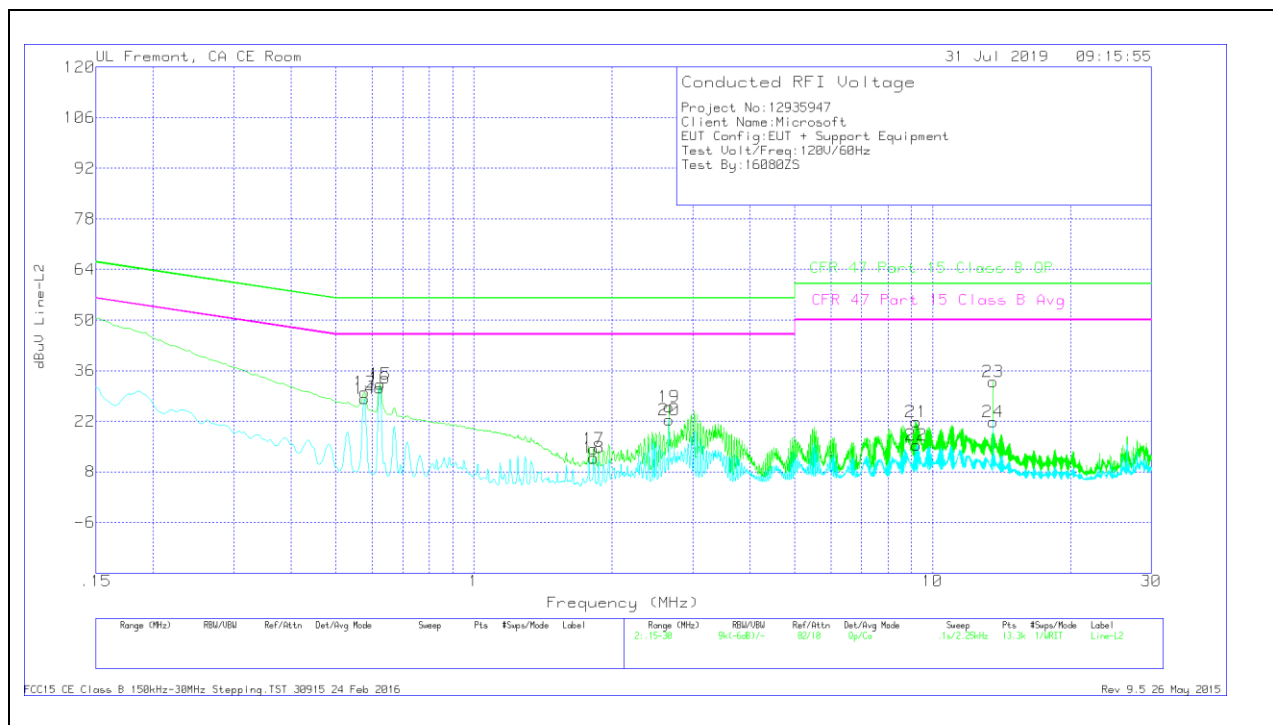
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.5775	18.43	Qp	0	0	10.1	28.53	56	-27.47	-	-
2	.5775	16.02	Ca	0	0	10.1	26.12	-	-	46	-19.88
3	.62475	22.26	Qp	0	0	10.1	32.36	56	-23.64	-	-
4	.62475	19.64	Ca	0	0	10.1	29.74	-	-	46	-16.26
5	1.824	11.78	Qp	0	.1	10.1	21.98	56	-34.02	-	-
6	1.824	9.54	Ca	0	.1	10.1	19.74	-	-	46	-26.26
7	2.66325	13.47	Qp	0	.1	10.1	23.67	56	-32.33	-	-
8	2.66325	12.33	Ca	0	.1	10.1	22.53	-	-	46	-23.47
9	9.213	12.85	Qp	0	.2	10.2	23.25	60	-36.75	-	-
10	9.267	7.6	Ca	0	.2	10.2	18	-	-	50	-32
11	13.56	21.19	Qp	.1	.2	10.2	31.69	60	-28.31	-	-
12	13.56	11.13	Ca	.1	.2	10.2	21.63	-	-	50	-28.37

Qp - Quasi-Peak detector

Ca - CISPR average detection

NOTE: Markers 11 and 12, 13.56MHz is an external NFC signal unrelated to the EUT.

LINE 2 RESULTS



Trace Markers

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	.5775	19.96	Qp	0	0	10.1	30.06	56	-25.94	-	-
14	.5775	18.17	Ca	0	0	10.1	28.27	-	-	46	-17.73
15	.62475	22.12	Qp	0	0	10.1	32.22	56	-23.78	-	-
16	.6225	21.18	Ca	0	0	10.1	31.28	-	-	46	-14.72
17	1.824	4.24	Qp	0	.1	10.1	14.44	56	-41.56	-	-
18	1.824	1.65	Ca	0	.1	10.1	11.85	-	-	46	-34.15
19	2.66325	15.85	Qp	0	.1	10.1	26.05	56	-29.95	-	-
20	2.66325	12.11	Ca	0	.1	10.1	22.31	-	-	46	-23.69
21	9.21075	11.41	Qp	0	.2	10.2	21.81	60	-38.19	-	-
22	9.2175	4.97	Ca	0	.2	10.2	15.37	-	-	50	-34.63
23	13.56	22.52	Qp	.1	.2	10.2	33.02	60	-26.98	-	-
24	13.56	11.39	Ca	.1	.2	10.2	21.89	-	-	50	-28.11

Qp - Quasi-Peak detector

Ca - CISPR average detection

NOTE: Markers 23 and 24, 13.56MHz is an external NFC signal unrelated to the EUT.

11. SETUP PHOTOS

Please refer to 12935947-EP1 for setup photos

END OF TEST REPORT