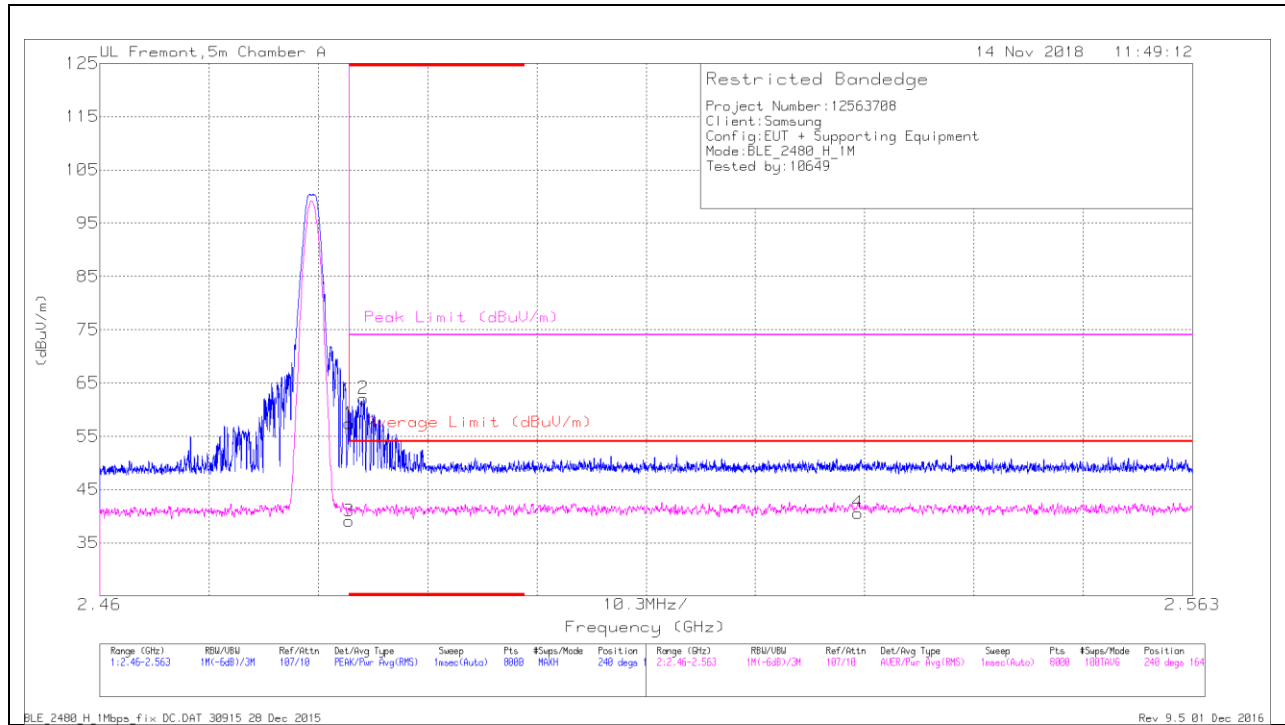


BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

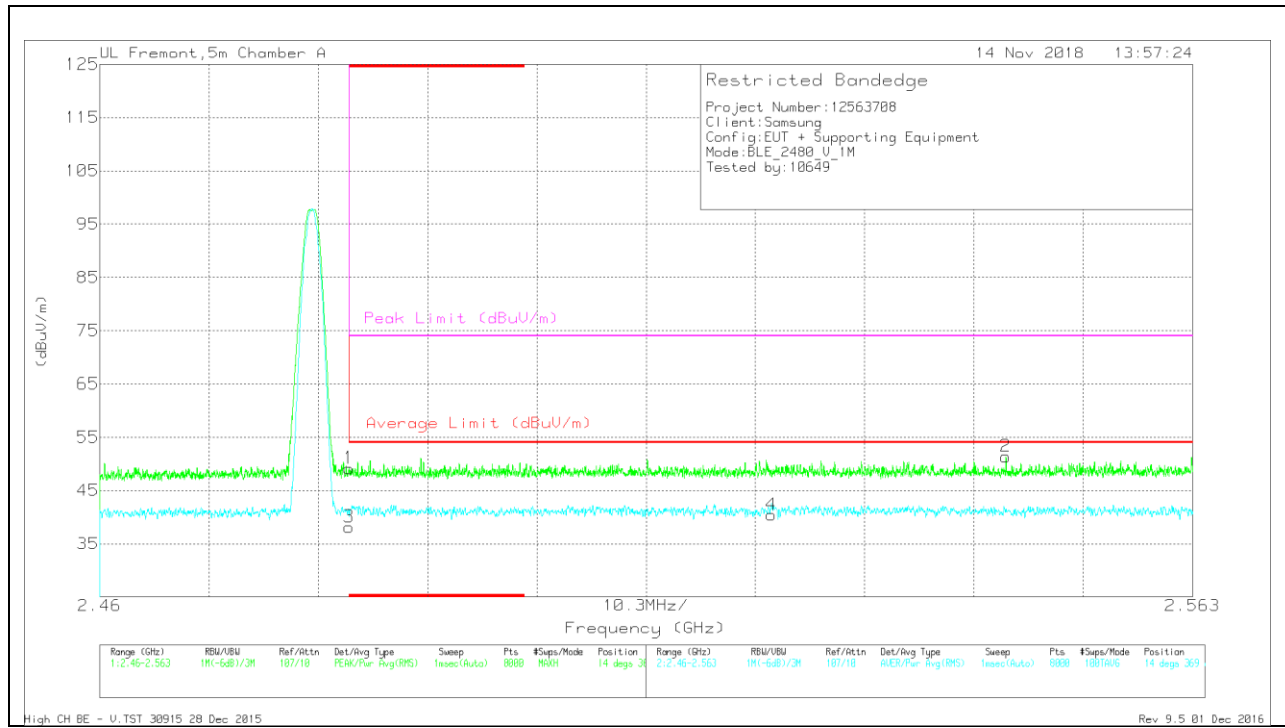
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cb/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.88	Pk	32.3	-21.8	0	57.38	-	-	74	-16.62	240	164	H
3	* 2.484	28.57	RMS	32.3	-21.8	2.19	41.26	54	-12.74	-	-	240	164	H
2	* 2.485	51.58	Pk	32.3	-21.8	0	62.08	-	-	74	-11.92	240	164	H
4	2.531	29.81	RMS	32.4	-21.6	2.19	42.8	54	-11.2	-	-	240	164	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.63	Pk	32.3	-21.8	0	49.13	-	-	74	-24.87	14	369	V
3	* 2.484	27.64	RMS	32.3	-21.8	2.19	40.33	54	-13.67	-	-	14	369	V
4	2.523	29.7	RMS	32.4	-21.7	2.19	42.59	54	-11.41	-	-	14	369	V
2	2.545	40.67	Pk	32.3	-21.6	0	51.37	-	-	74	-22.63	14	369	V

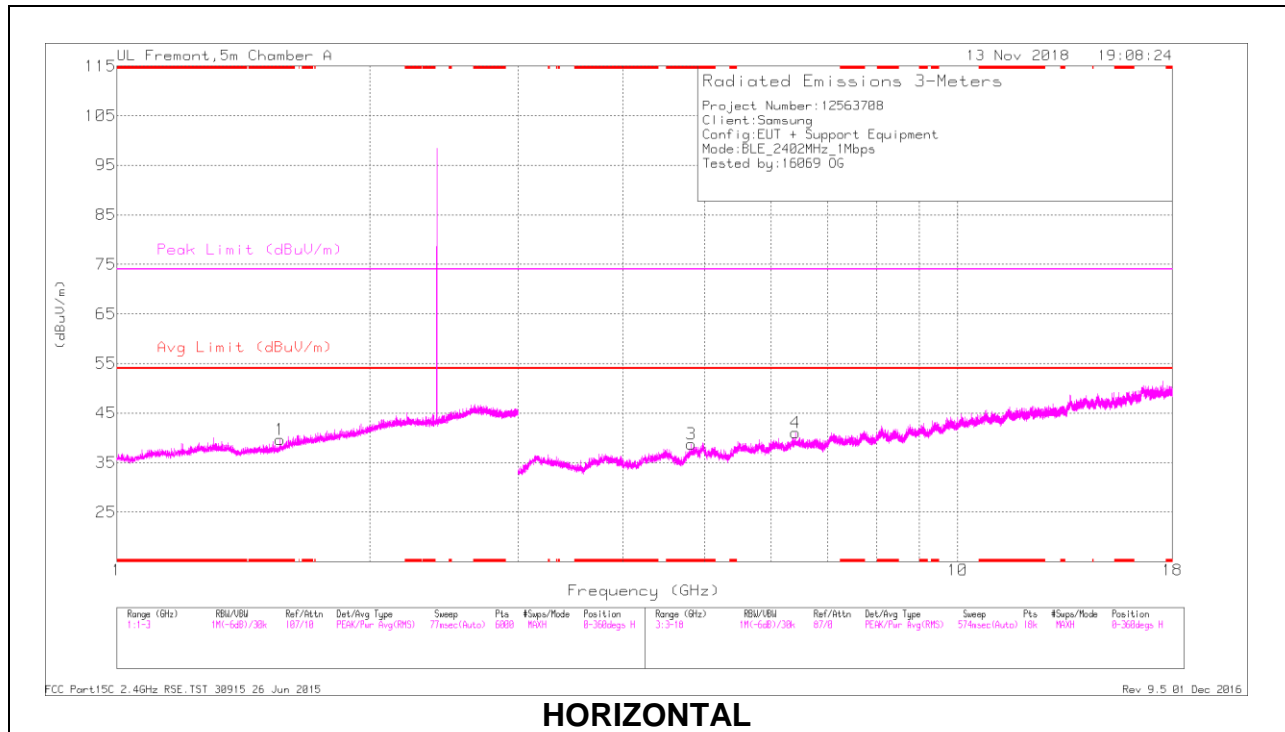
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

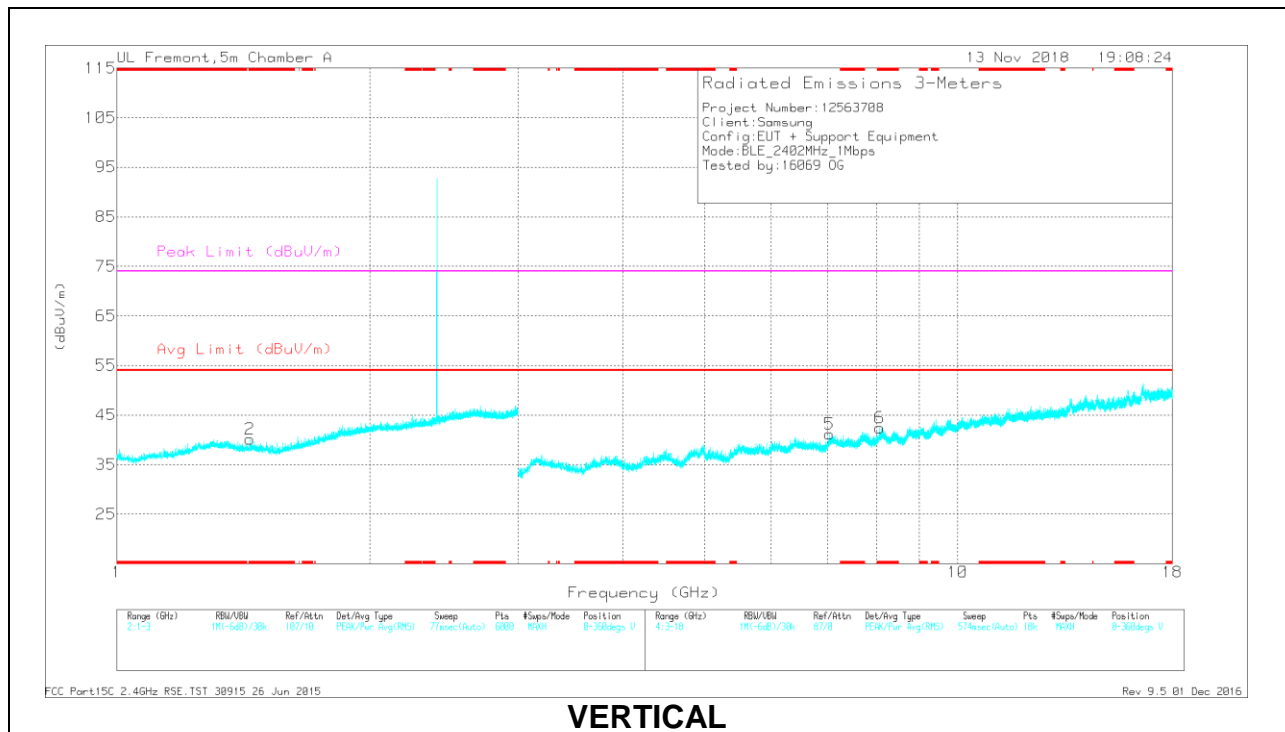
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

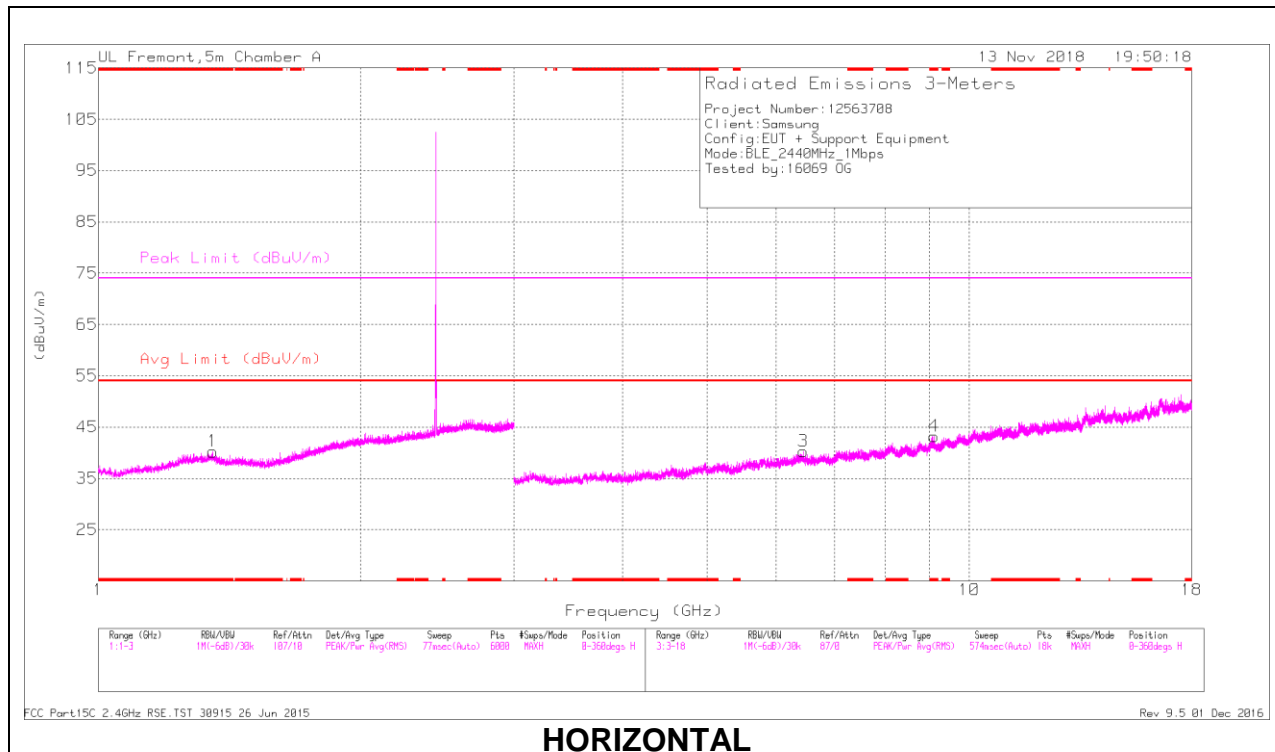
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.562	40.57	PK2	27.9	-23.7	0	44.77	-	-	74	-29.23	56	113	H
	* 1.562	28.7	MAv1	27.9	-23.7	2.19	35.09	54	-18.91	-	-	56	113	H
2	* 1.44	40.72	PK2	28.7	-24.2	0	45.22	-	-	74	-28.78	270	347	V
	* 1.439	28.66	MAv1	28.7	-24.2	2.19	35.35	54	-18.65	-	-	270	347	V
3	* 4.825	35.13	PK2	34.2	-25.9	0	43.43	-	-	74	-30.57	352	168	H
	* 4.823	23.59	MAv1	34.2	-25.9	2.19	34.08	54	-19.92	-	-	352	168	H
6	* 8.076	32.32	PK2	35.8	-21.2	0	46.92	-	-	74	-27.08	9	171	V
	* 8.078	21.03	MAv1	35.8	-21.2	2.19	37.82	54	-16.18	-	-	9	171	V
4	6.41	33.95	PK2	35.8	-23.8	0	45.95	-	-	-	-	352	102	H
5	7.031	33.73	PK2	35.6	-23.3	0	46.03	-	-	-	-	352	102	V

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

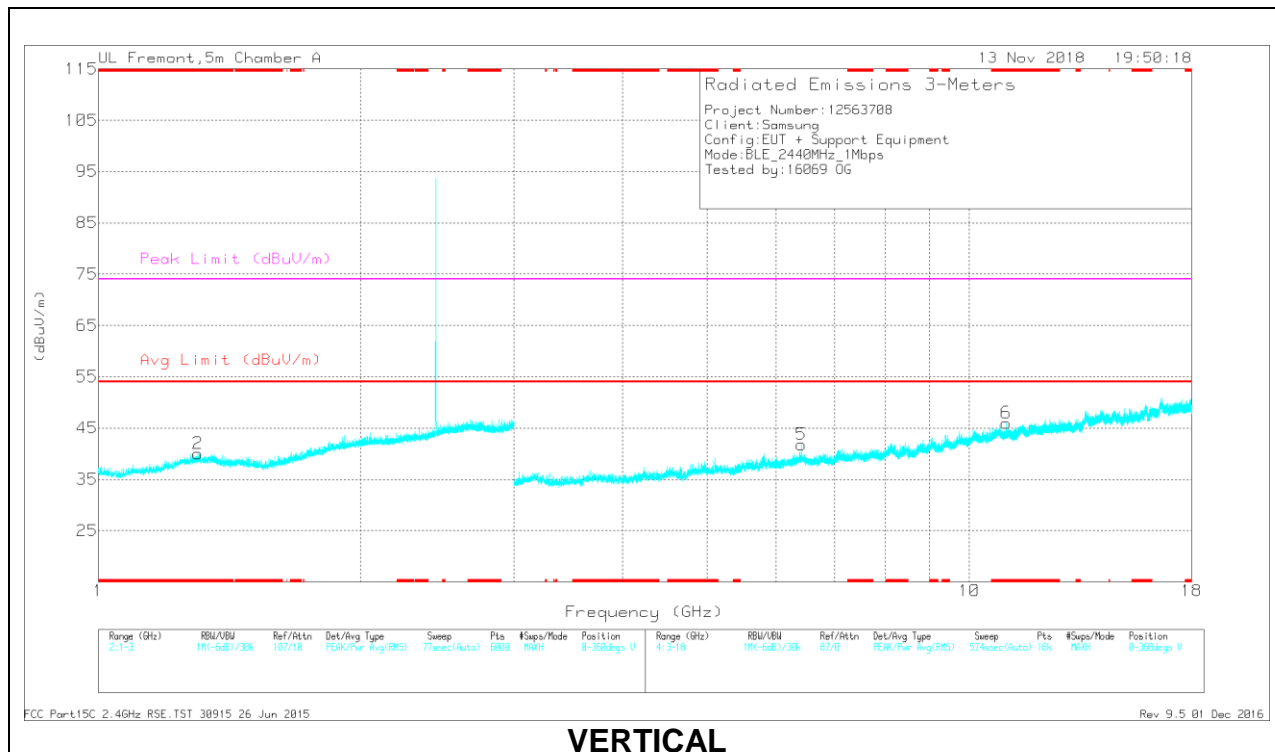
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

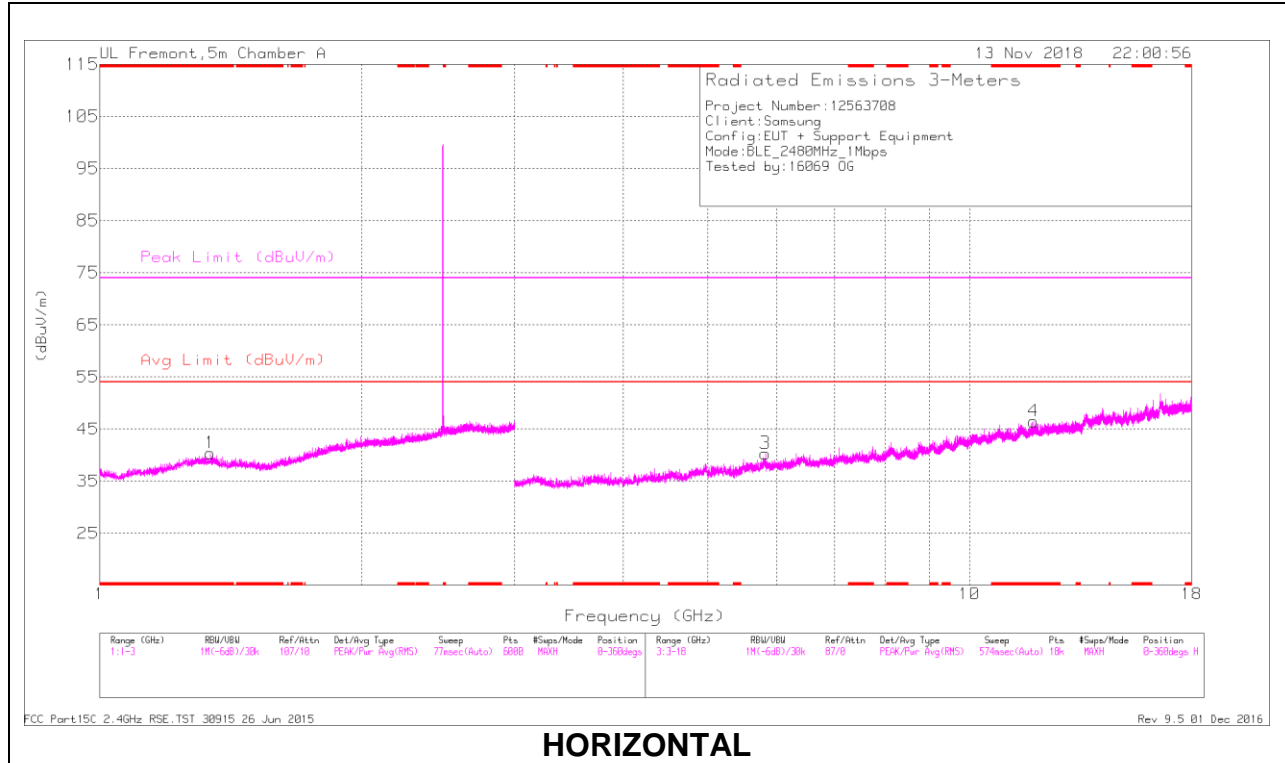
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.353	40.96	PK2	29.5	-24.3	0	46.16	-	-	74	-27.84	72	206	H
	* 1.351	28.84	MAv1	29.5	-24.3	2.19	36.23	54	-17.77	-	-	72	206	H
2	* 1.301	40.74	PK2	29.4	-24.3	0	45.84	-	-	74	-28.16	267	279	V
	* 1.301	28.74	MAv1	29.4	-24.3	2.19	36.03	54	-17.97	-	-	267	279	V
4	* 9.107	32.02	PK2	36.3	-20.3	0	48.02	-	-	74	-25.98	310	104	H
	* 9.105	20.78	MAv1	36.3	-20.3	2.19	38.97	54	-15.03	-	-	310	104	H
6	* 11.027	32.19	PK2	37.9	-18.6	0	51.49	-	-	74	-22.51	156	101	V
	* 11.03	19.86	MAv1	37.9	-18.6	2.19	41.35	54	-12.65	-	-	156	101	V
5	6.416	34.38	PK2	35.8	-23.7	0	46.48	-	-	-	-	310	200	V
3	6.451	34.27	PK2	35.8	-24	0	46.07	-	-	-	-	267	103	H

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

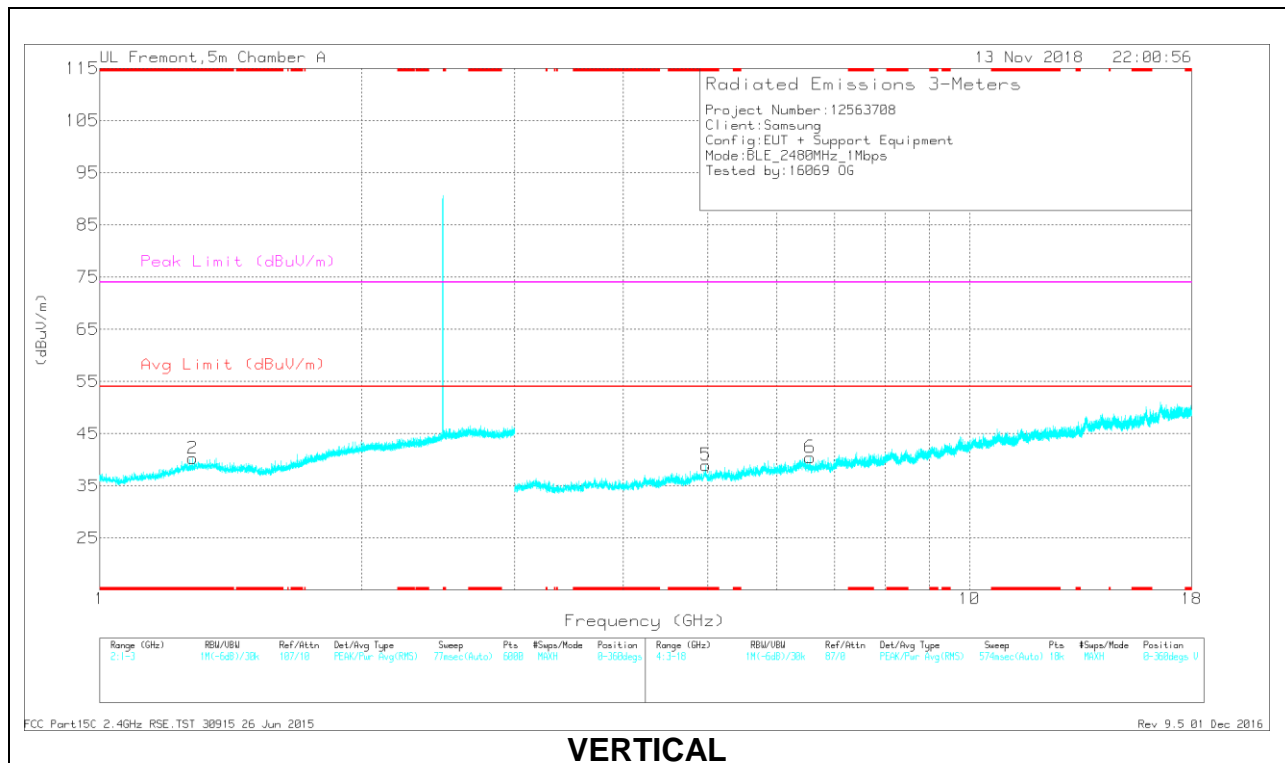
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.339	40.87	PK2	29.5	-24.4	0	45.97	-	-	74	-28.03	56	256	H
	* 1.339	28.76	MAv1	29.5	-24.4	2.19	36.05	54	-17.95	-	-	56	256	H
2	* 1.28	40.98	PK2	29.3	-24.3	0	45.98	-	-	74	-28.02	29	224	V
	* 1.281	28.66	MAv1	29.3	-24.3	2.19	35.85	54	-18.15	-	-	29	224	V
4	* 11.844	31.07	PK2	38.8	-18.6	0	51.27	-	-	74	-22.73	328	202	H
	* 11.842	19.72	MAv1	38.8	-18.6	2.19	42.11	54	-11.89	-	-	328	202	H
5	* 4.973	38.42	PK2	34.3	-27	0	45.72	-	-	74	-28.28	12	246	V
	* 4.973	25.59	MAv1	34.3	-27	2.19	35.08	54	-18.92	-	-	12	246	V
3	5.825	35.02	PK2	35.1	-24.7	0	45.42	-	-	-	-	29	200	H
6	6.56	34.36	PK2	35.6	-24.2	0	45.76	-	-	-	-	12	201	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.4. BLE (2Mbps)

Antenna 1

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

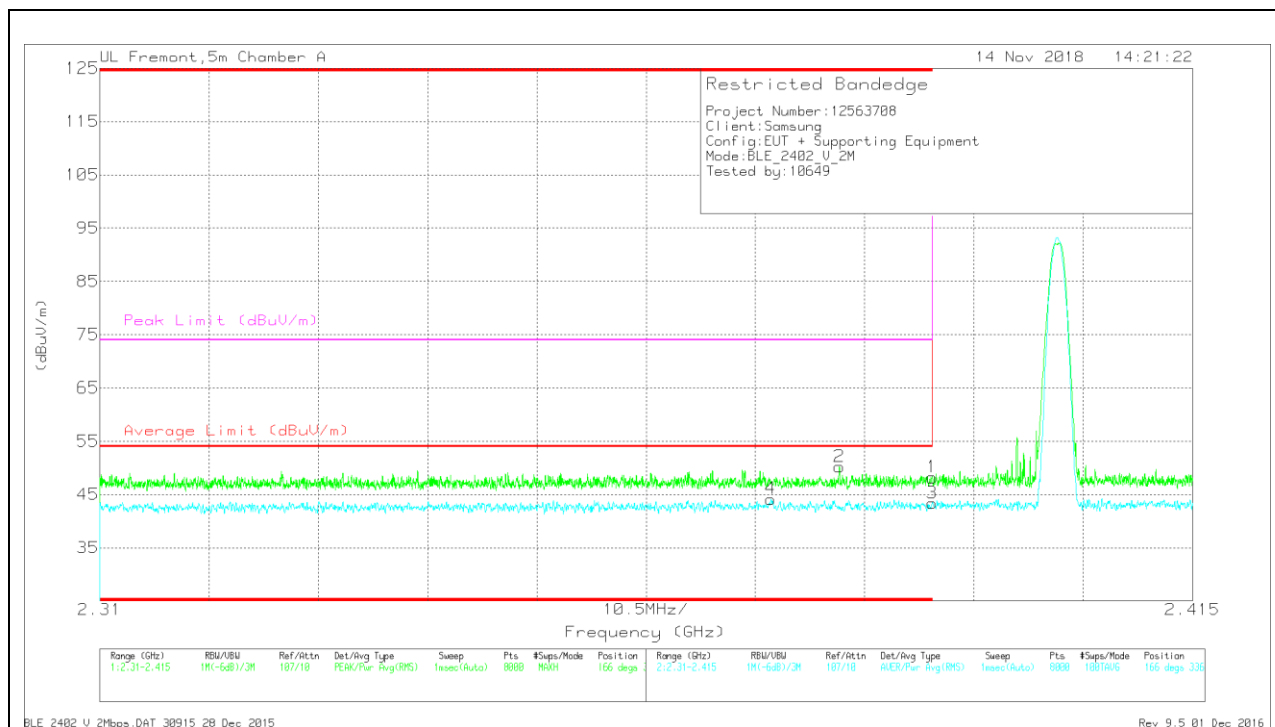
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.37	40.55	Pk	31.7	-22.1	0	50.15	-	-	74	-23.85	332	99	H
4	* 2.389	29.42	RMS	31.8	-22.1	5.07	44.19	54	-9.81	-	-	332	99	H
1	* 2.39	37.92	Pk	31.8	-22.1	0	47.62	-	-	74	-26.38	332	99	H
3	* 2.39	28.38	RMS	31.8	-22.1	5.07	43.15	54	-10.85	-	-	332	99	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.374	29.48	RMS	31.7	-22.1	5.07	44.15	54	-9.85	-	-	166	336	V
2	* 2.381	40.57	Pk	31.7	-22.1	0	50.17	-	-	74	-23.83	166	336	V
1	* 2.39	38.5	Pk	31.8	-22.1	0	48.2	-	-	74	-25.8	166	336	V
3	* 2.39	28.6	RMS	31.8	-22.1	5.07	43.37	54	-10.63	-	-	166	336	V

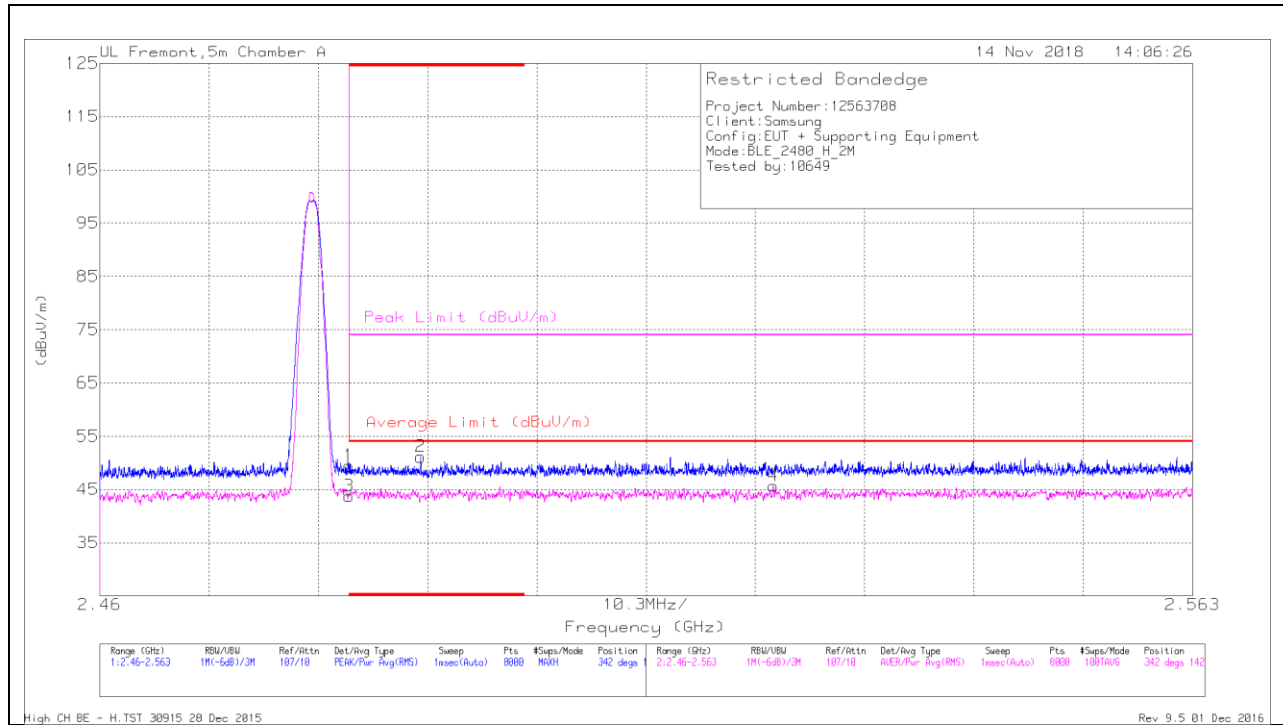
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

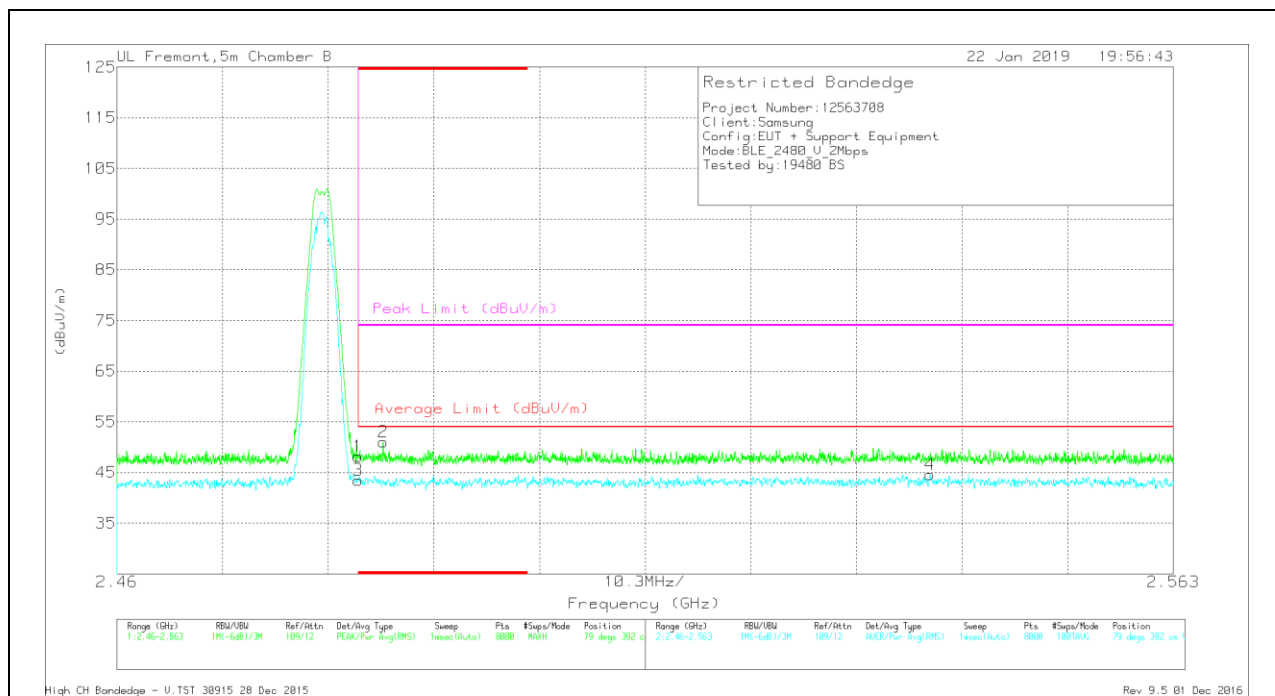
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cb1/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.93	Pk	32.3	-21.8	0	49.43	-	-	74	-24.57	342	142	H
3	* 2.484	28.17	RMS	32.3	-21.8	5.07	43.74	54	-10.26	-	-	342	142	H
2	* 2.49	40.53	Pk	32.4	-21.8	0	51.13	-	-	74	-22.87	342	142	H
4	2.523	29.94	RMS	32.4	-21.7	5.07	45.71	54	-8.29	-	-	342	142	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	35.86	Pk	32.6	-20.3	0	48.16	-	-	74	-25.84	79	392	V
2	* 2.486	38.83	Pk	32.6	-20.4	0	51.03	-	-	74	-22.97	79	392	V
3	* 2.484	26.15	RMS	32.6	-20.3	5.07	43.52	54	-10.48	-	-	79	392	V
4	2.539	27.17	RMS	32.7	-20.3	5.07	44.64	54	-9.36	-	-	79	392	V

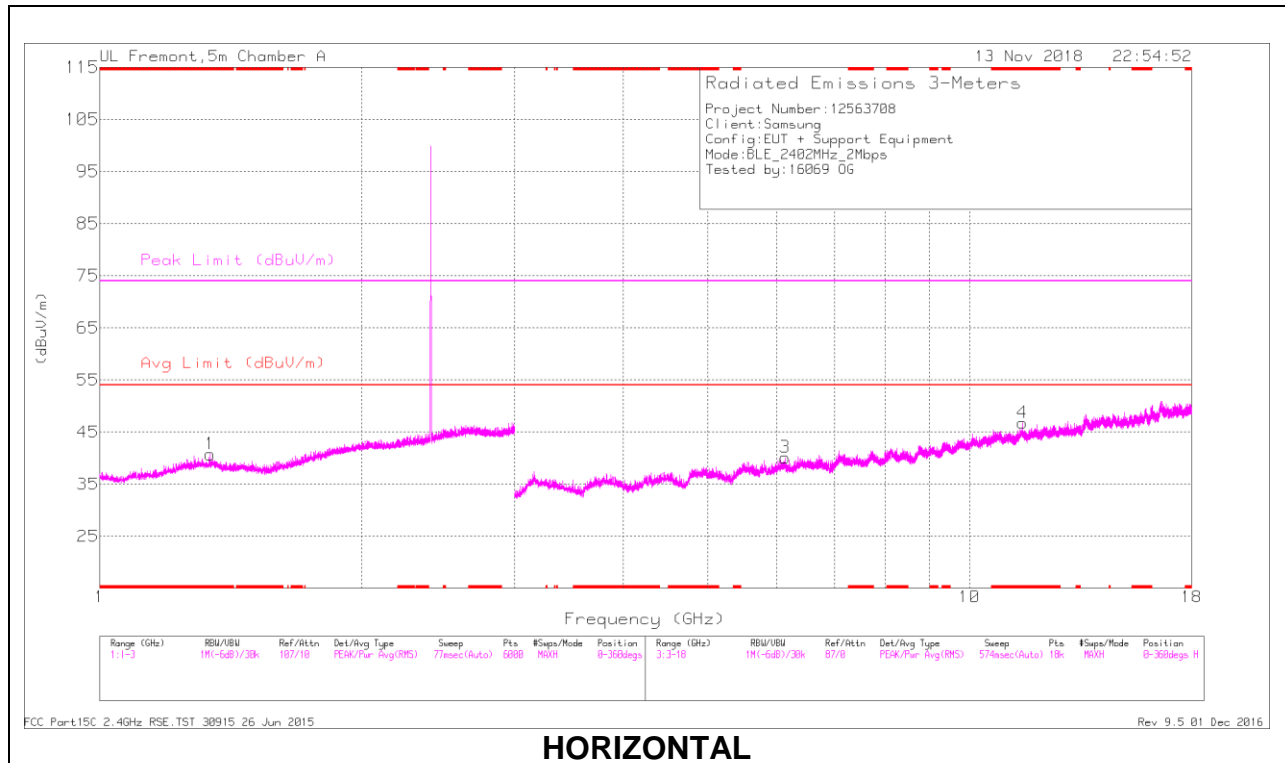
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

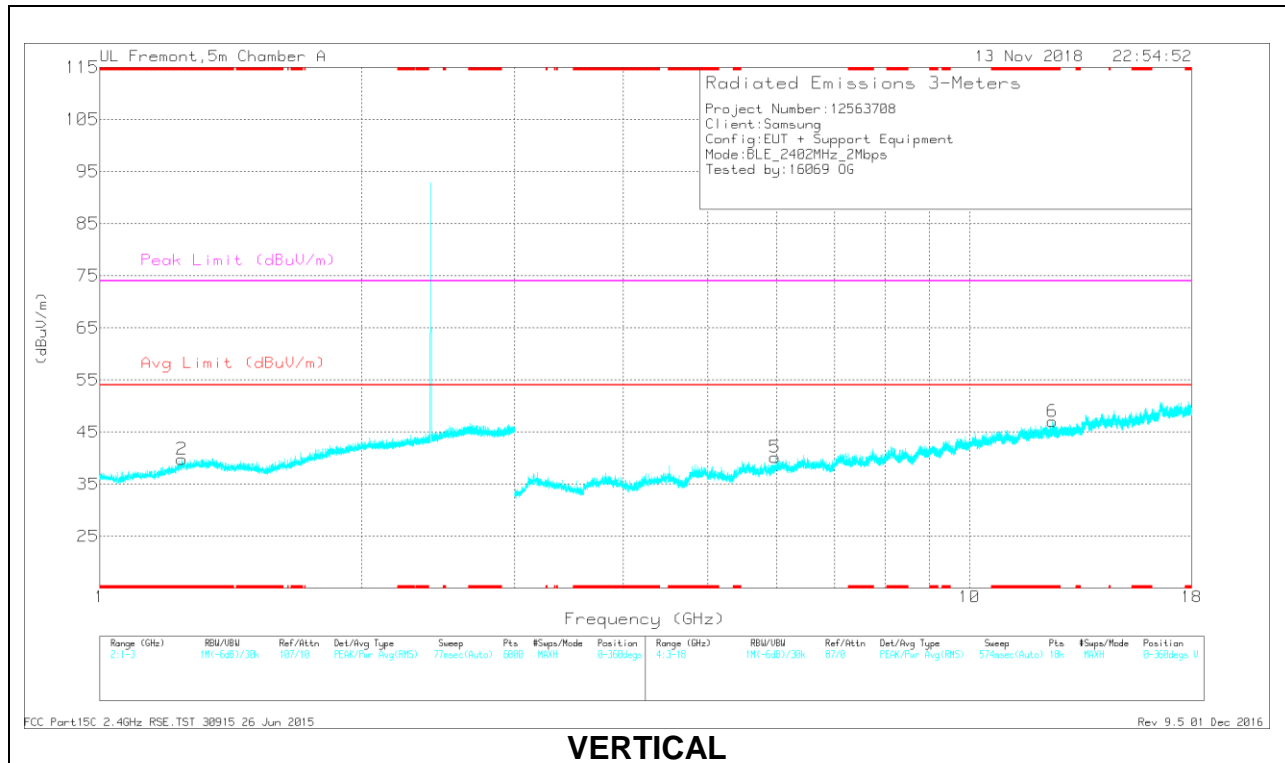
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

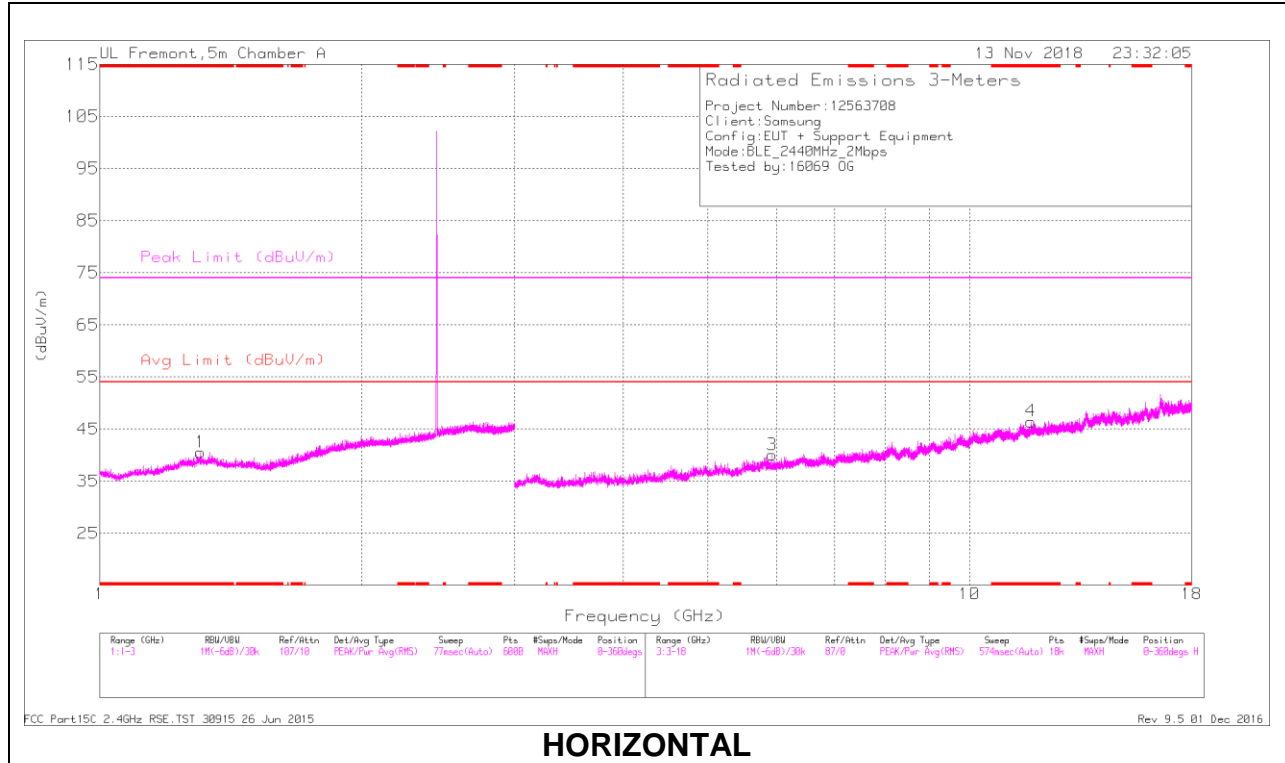
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.342	40.14	PK2	29.5	-24.4	0	45.24	-	-	74	-28.76	315	334	H
	* 1.343	28.63	MAv1	29.5	-24.3	5.07	38.9	54	-15.1	-	-	315	334	H
2	* 1.245	41.43	PK2	29	-24.3	0	46.13	-	-	74	-27.87	232	259	V
	* 1.242	28.77	MAv1	29	-24.3	5.07	38.54	54	-15.46	-	-	232	259	V
4	* 11.509	31.73	PK2	38.3	-18.1	0	51.93	-	-	74	-22.07	50	106	H
	* 11.506	19.8	MAv1	38.3	-18.2	5.07	44.97	54	-9.03	-	-	50	106	H
6	* 12.447	32.1	PK2	39	-18.5	0	52.6	-	-	74	-21.4	185	172	V
	* 12.448	19.78	MAv1	39	-18.4	5.07	45.45	54	-8.55	-	-	185	172	V
5	5.979	35.14	PK2	35.3	-25.6	0	44.84	-	-	-	-	50	200	V
3	6.136	34.54	PK2	35.5	-24.5	0	45.54	-	-	-	-	232	103	H

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

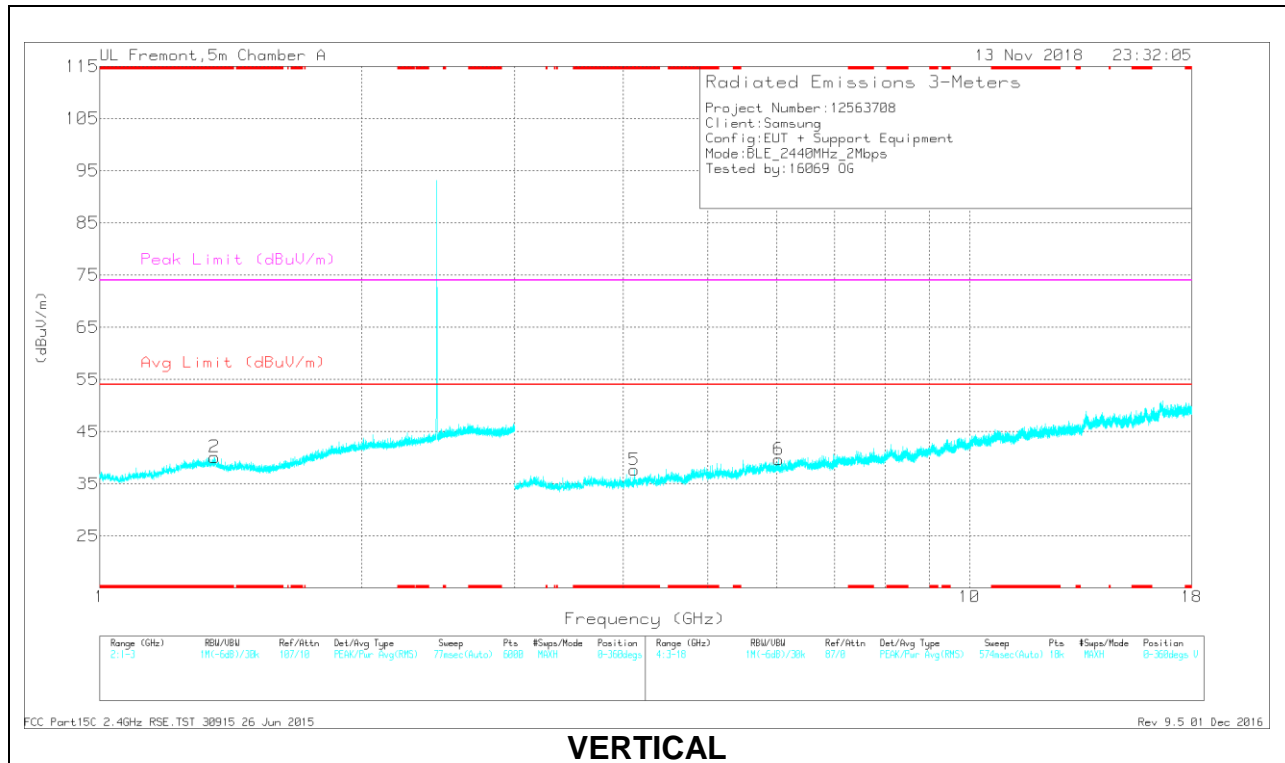
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

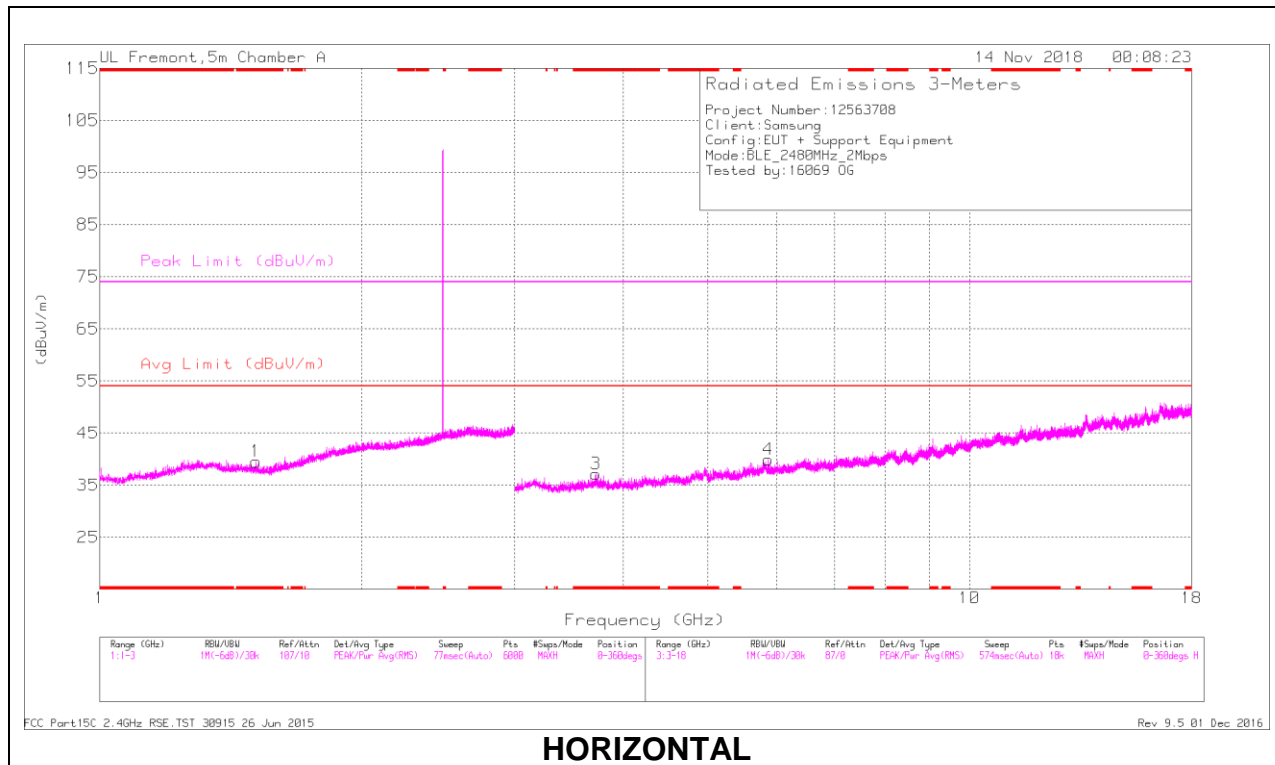
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.306	40.82	PK2	29.4	-24.3	0	45.92	-	-	74	-28.08	109	400	H
	* 1.307	28.81	MAv1	29.4	-24.3	5.07	38.98	54	-15.02	-	-	109	400	H
2	* 1.357	41.05	PK2	29.4	-24.3	0	46.15	-	-	74	-27.85	289	234	V
	* 1.357	28.73	MAv1	29.4	-24.3	5.07	38.9	54	-15.1	-	-	289	234	V
4	* 11.757	30.86	PK2	38.7	-18.5	0	51.06	-	-	74	-22.94	336	151	H
	* 11.758	19.49	MAv1	38.7	-18.5	5.07	44.76	54	-9.24	-	-	336	151	H
5	* 4.119	37.03	PK2	33.4	-27.8	0	42.63	-	-	74	-31.37	206	165	V
	* 4.119	24.82	MAv1	33.4	-27.8	5.07	35.49	54	-18.51	-	-	206	165	V
3	5.927	35.61	PK2	35.2	-25.4	0	45.41	-	-	-	-	289	200	H
6	6.032	35.39	PK2	35.3	-25.6	0	45.09	-	-	-	-	206	200	V

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

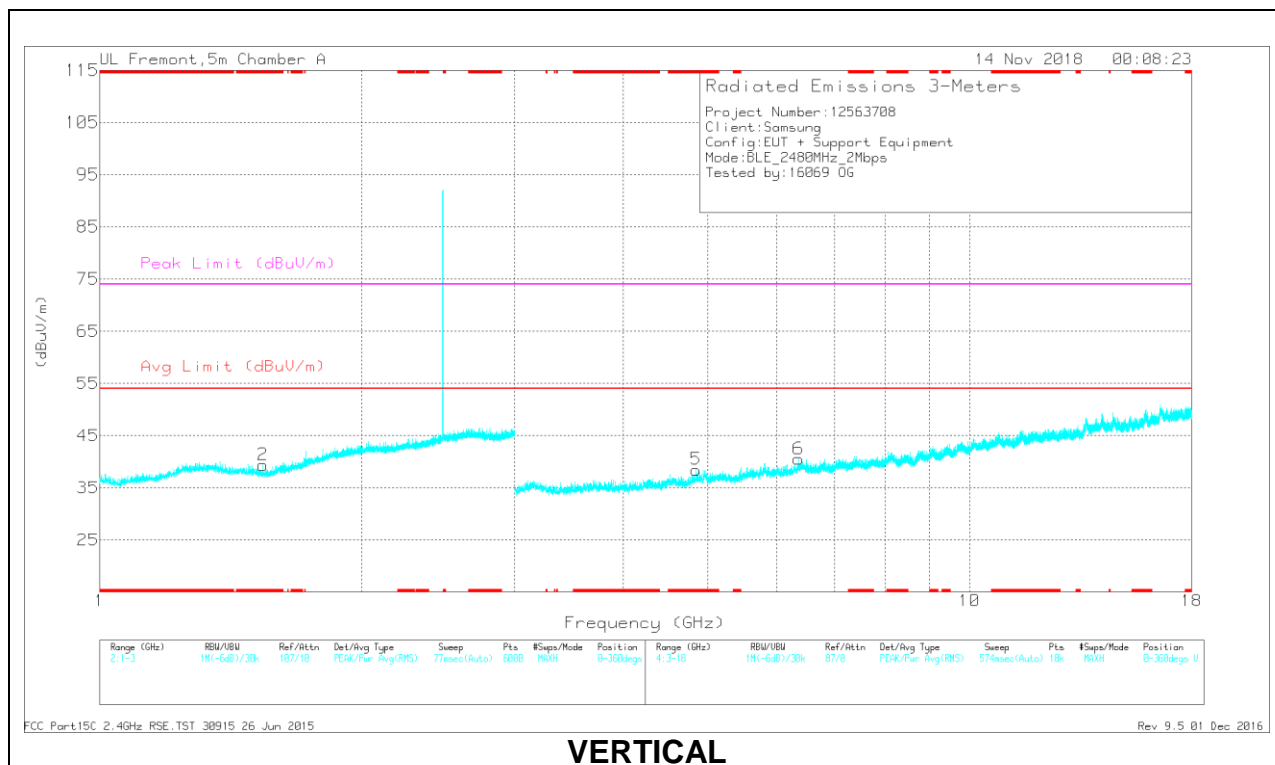
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.514	41.41	PK2	28.2	-23.9	0	45.71	-	-	74	-28.29	173	175	H
	* 1.514	28.64	MAv1	28.2	-23.9	5.07	38.01	54	-15.99	-	-	173	175	H
2	* 1.541	40.1	PK2	27.9	-23.8	0	44.2	-	-	74	-29.8	343	341	V
	* 1.543	28.52	MAv1	27.9	-23.8	5.07	37.69	54	-16.31	-	-	343	341	V
3	* 3.72	36.83	PK2	33.1	-27.9	0	42.03	-	-	74	-31.97	185	345	H
	* 3.719	25.09	MAv1	33.1	-27.8	5.07	35.46	54	-18.54	-	-	185	345	H
5	* 4.85	35.05	PK2	34.2	-25.8	0	43.45	-	-	74	-30.55	253	107	V
	* 4.85	23.84	MAv1	34.2	-25.8	5.07	37.31	54	-16.69	-	-	253	107	V
4	5.868	35.18	PK2	35.2	-25	0	45.38	-	-	-	-	185	200	H
6	6.358	34.98	PK2	35.8	-24.4	0	46.38	-	-	-	-	253	103	V

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

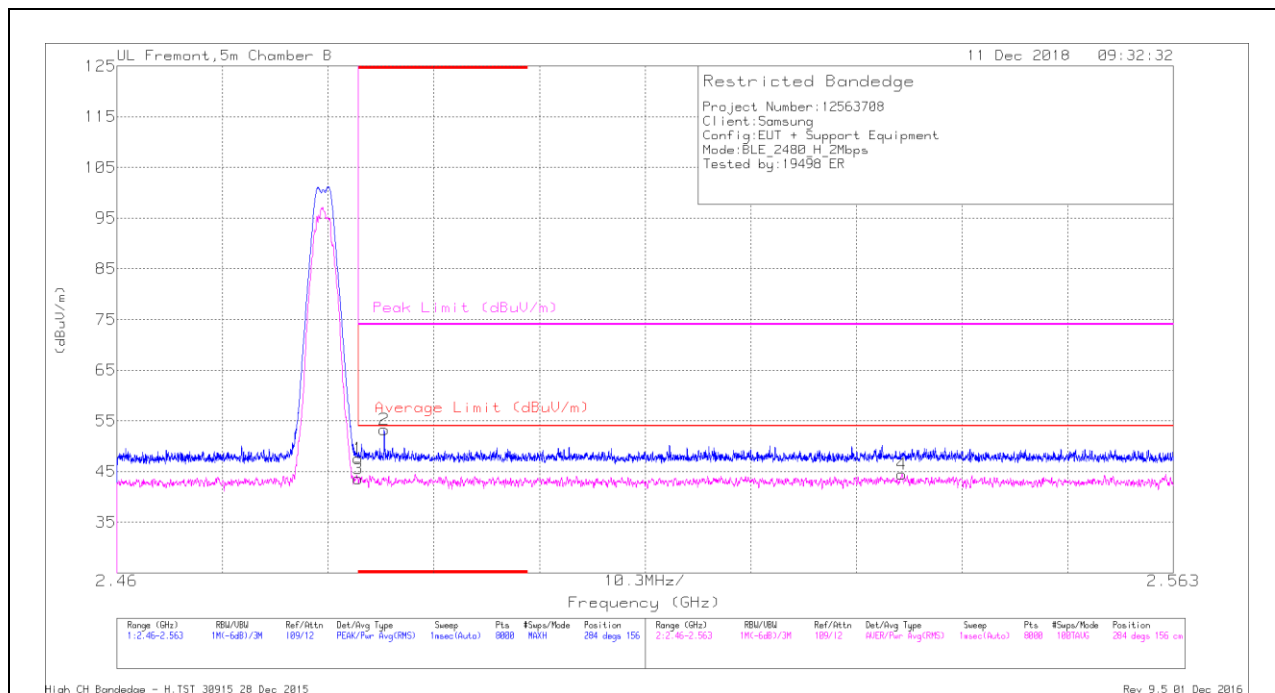
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.5. SPOT CHECK DATA (CERAMIC)

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

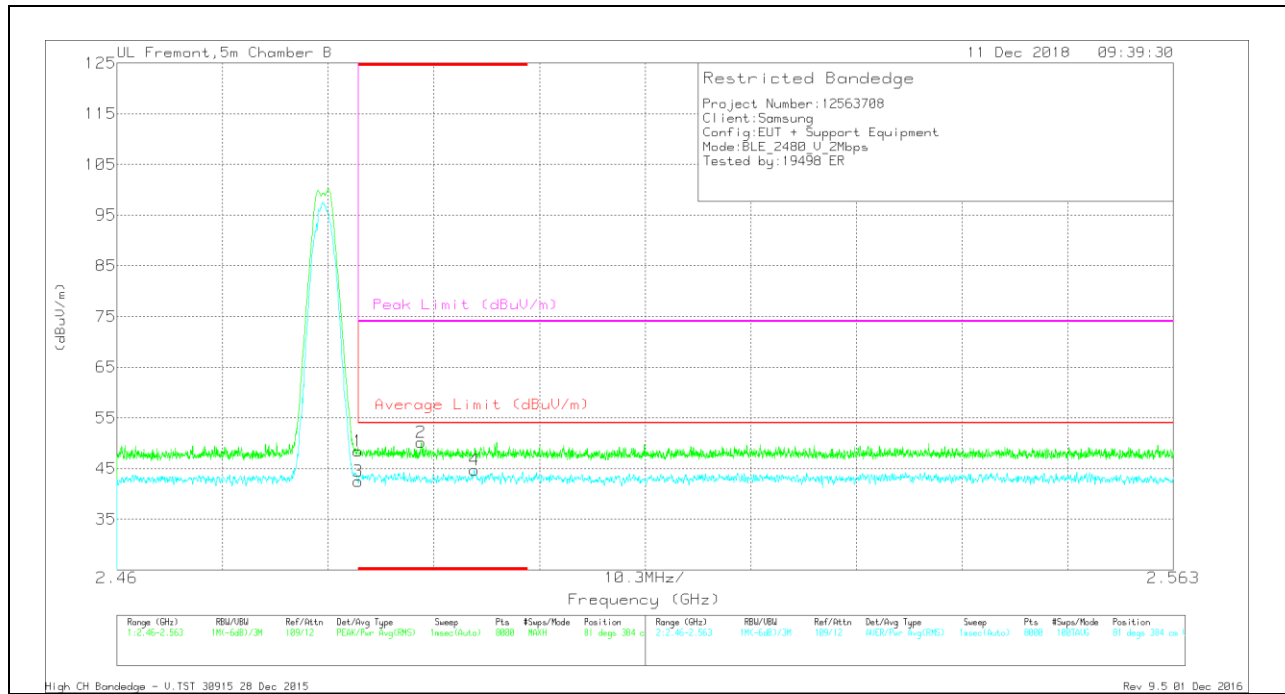
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT863 (dB/m)	Amp/Cb/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	35.24	Pk	32.6	-20.3	0	47.54	-	-	74	-26.46	284	156	H
2	* 2.486	41.05	Pk	32.6	-20.4	0	53.25	-	-	74	-20.75	284	156	H
3	* 2.484	26.12	RMS	32.6	-20.3	5.07	43.49	54	-10.51	-	-	284	156	H
4	2.537	26.88	RMS	32.7	-20.3	5.07	44.35	54	-9.65	-	-	284	156	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	36.15	Pk	32.6	-20.3	0	48.45	-	-	74	-25.55	81	384	V
3	* 2.484	24.98	RMS	32.6	-20.3	5.07	42.35	54	-11.65	-	-	81	384	V
2	* 2.49	37.97	Pk	32.7	-20.5	0	50.17	-	-	74	-23.83	81	384	V
4	* 2.495	27.39	RMS	32.7	-20.5	5.07	44.66	54	-9.34	-	-	81	384	V

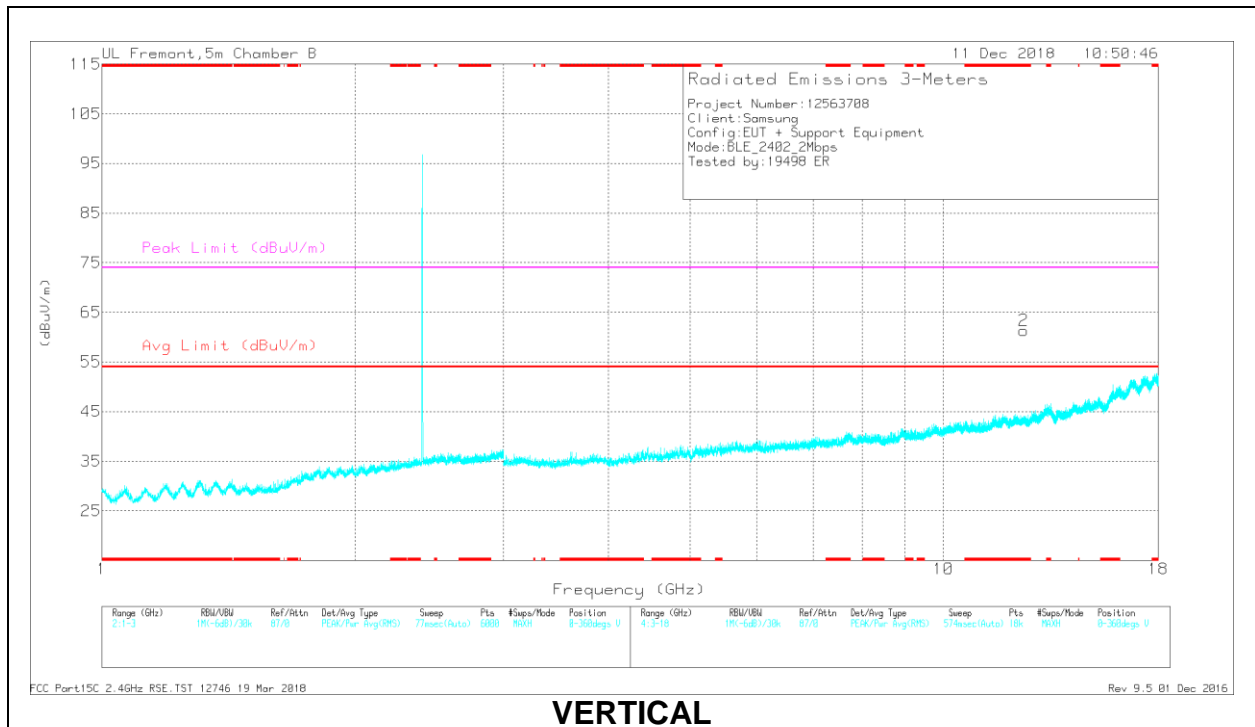
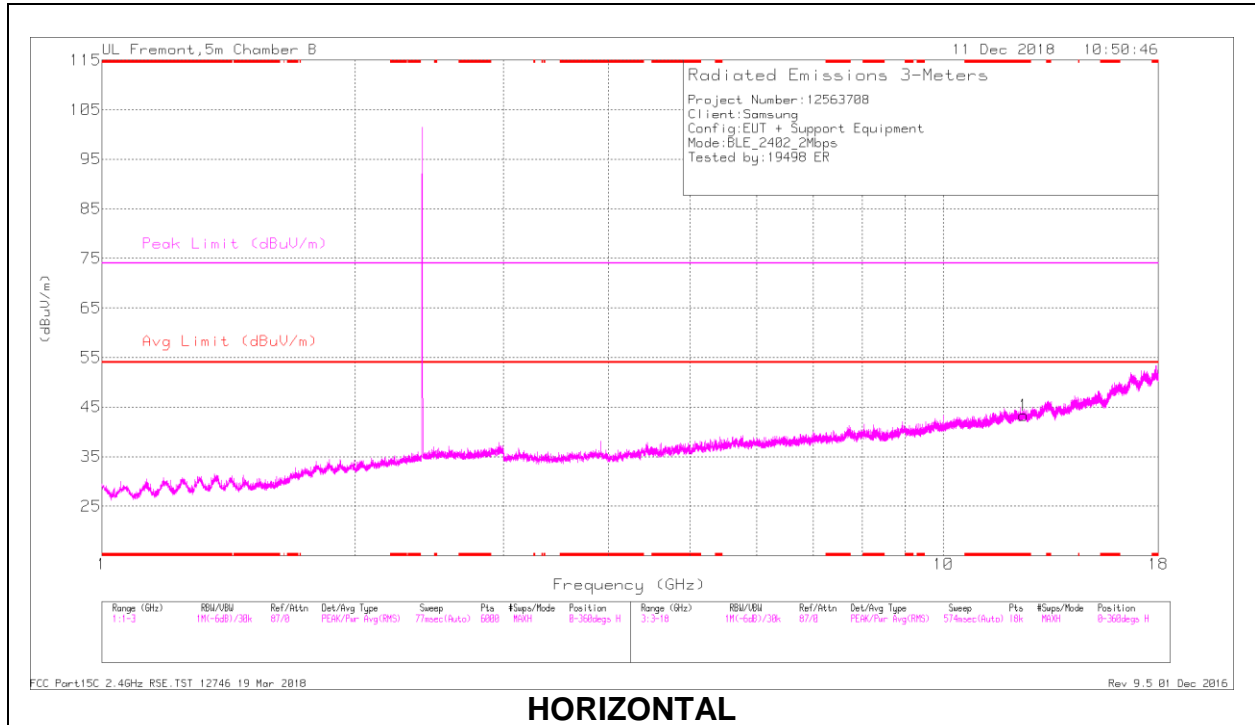
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 12.445	32.44	PK2	39	-21.5	0	49.94	-	-	74	-24.06	44	294	H
	* 12.445	21.21	MAv1	39	-21.5	5.07	43.78	54	-10.22	-	-	44	294	H
2	* 12.447	32.78	PK2	39	-21.5	0	50.28	-	-	74	-23.72	303	359	V
	* 12.447	21.22	MAv1	39	-21.5	5.07	43.79	54	-10.21	-	-	303	359	V

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

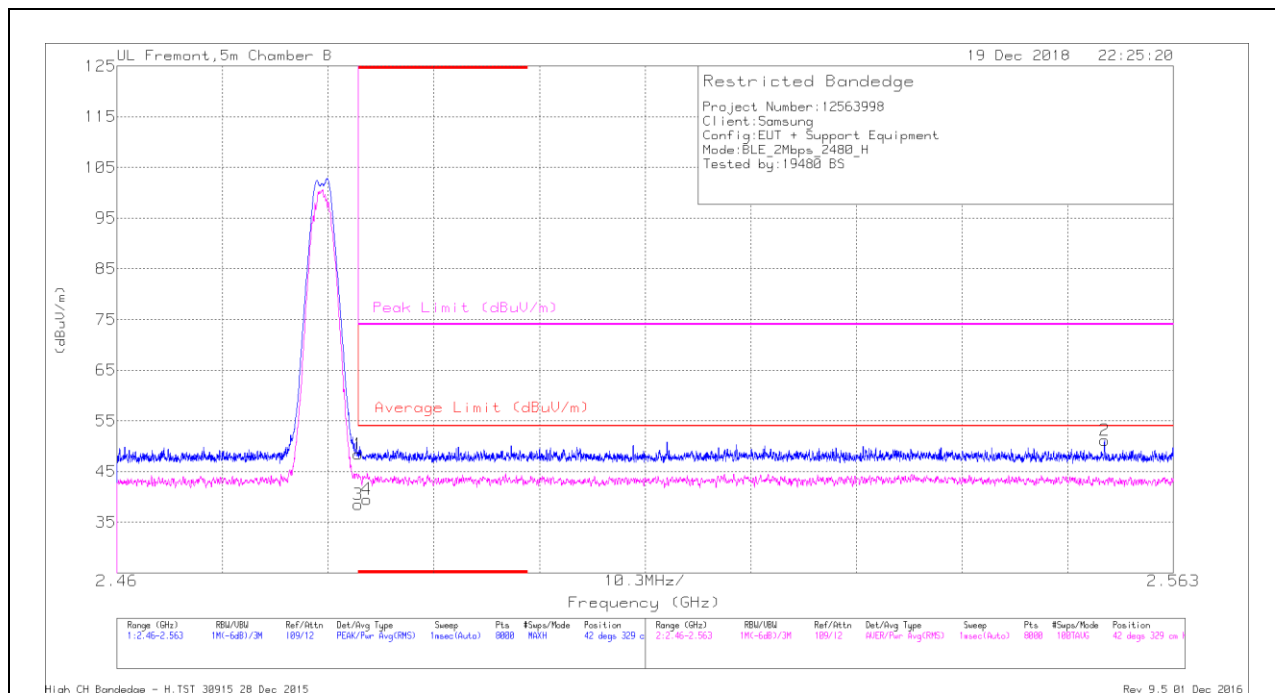
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.6. SPOT CHECK DATA – SM-G975N (CERAMIC)

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

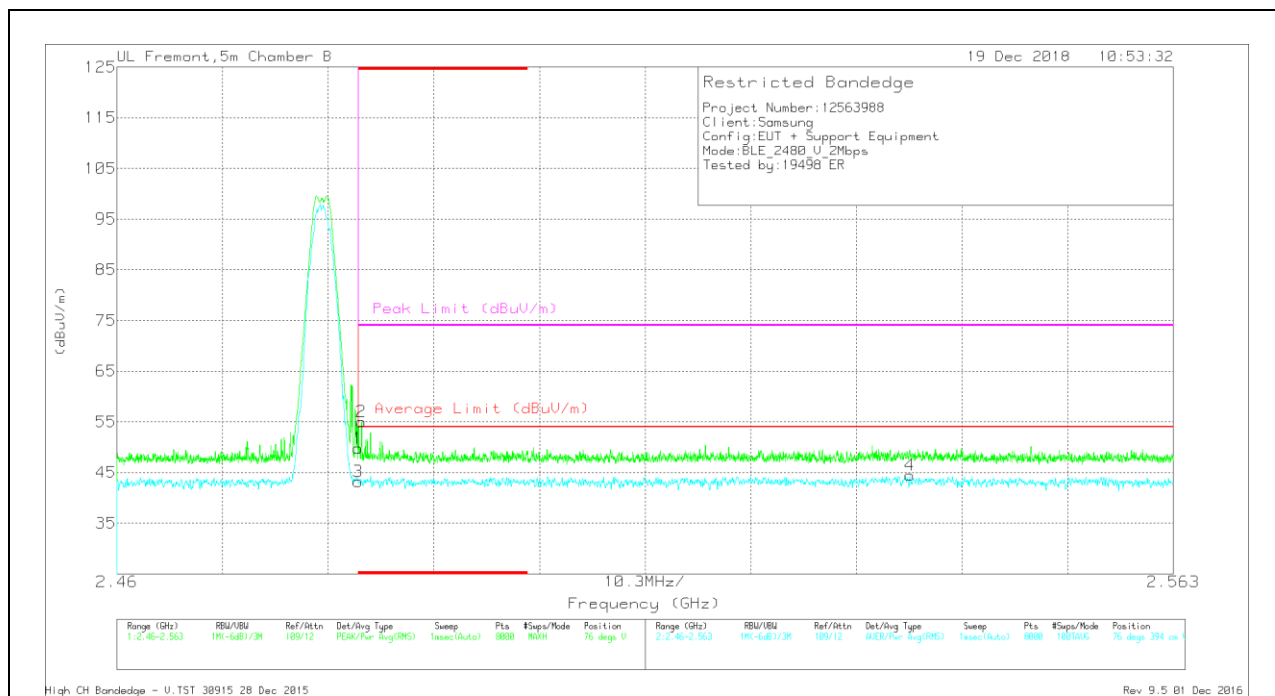
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	36.11	Pk	32.6	-20.3	0	48.41	-	-	74	-25.59	42	329	H
3	* 2.484	26.22	RMS	32.6	-20.3	5.07	43.59	54	-10.41	-	-	42	329	H
4	* 2.484	27.35	RMS	32.6	-20.4	5.07	44.62	54	-9.38	-	-	42	329	H
2	2.556	39.01	Pk	32.7	-20.5	0	51.21	-	-	74	-22.79	42	329	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	37.52	Pk	32.6	-20.3	0	49.82	-	-	74	-24.18	76	394	V
2	* 2.484	42.85	Pk	32.6	-20.4	0	55.05	-	-	74	-18.95	76	394	V
3	* 2.484	25.73	RMS	32.6	-20.3	5.07	43.1	54	-10.9	-	-	76	394	V
4	2.537	26.84	RMS	32.7	-20.3	5.07	44.31	54	-9.69	-	-	76	394	V

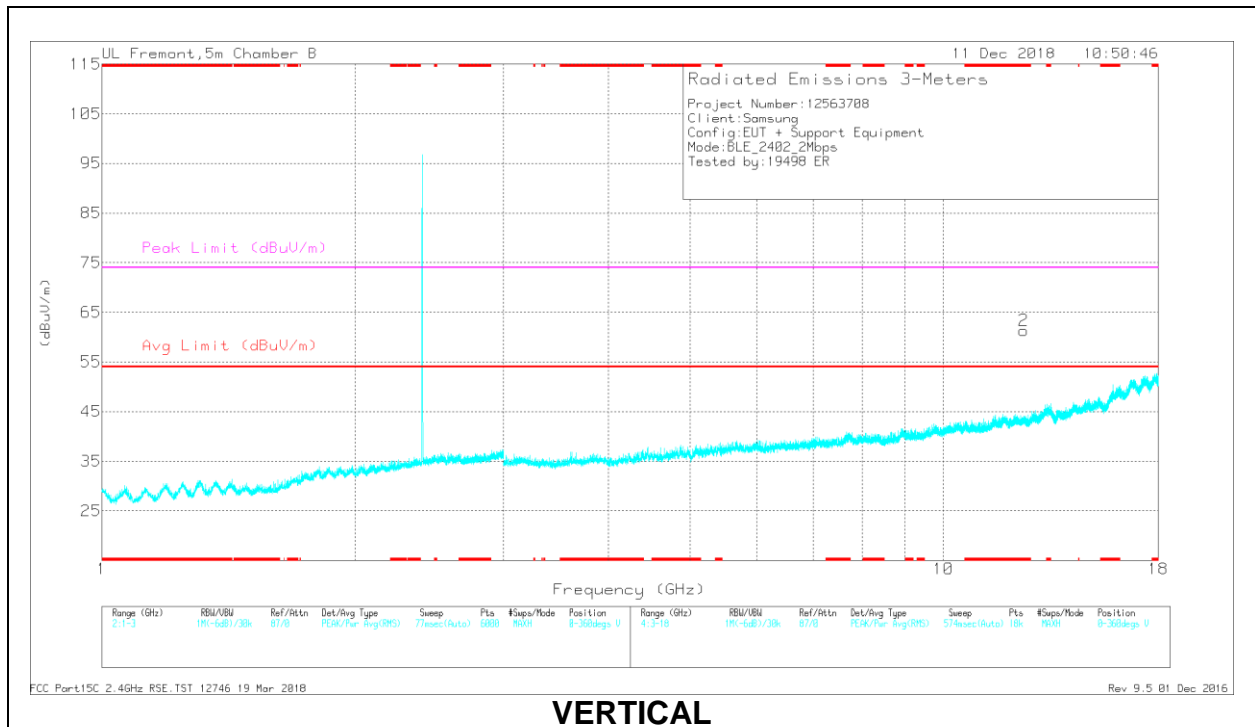
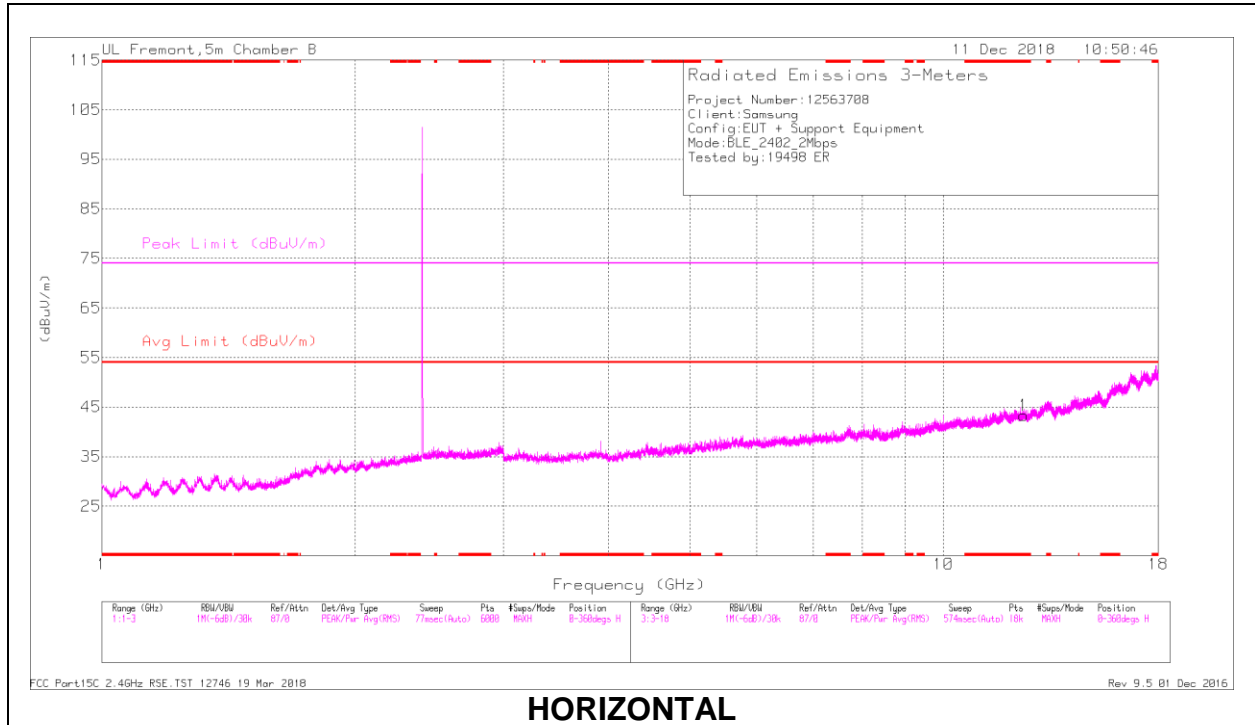
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 12.445	32.44	PK2	39	-21.5	0	49.94	-	-	74	-24.06	44	294	H
	* 12.445	21.21	MAv1	39	-21.5	5.07	43.78	54	-10.22	-	-	44	294	H
2	* 12.447	32.78	PK2	39	-21.5	0	50.28	-	-	74	-23.72	303	359	V
	* 12.447	21.22	MAv1	39	-21.5	5.07	43.79	54	-10.21	-	-	303	359	V

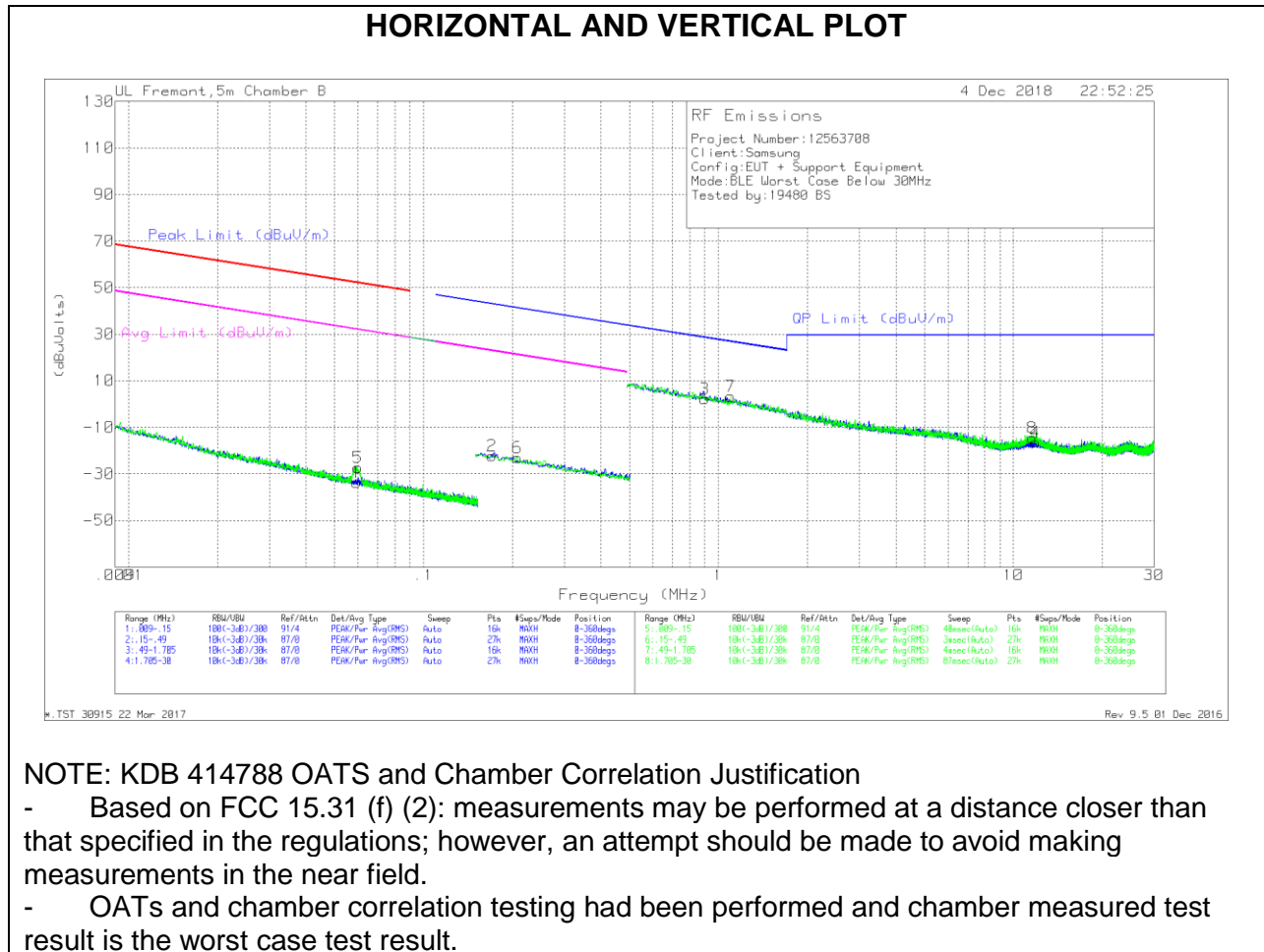
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.3. Worst Case Below 30 MHz

SPURIOUS EMISSIONS 9 kHz TO 30 MHz (WORST-CASE CONFIGURATION)



NOTE: KDB 414788 OATS 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.
- OATs and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

Below 30 MHz Data

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	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	.05939	34.51	Pk	11.8	0	-80	-33.69	52.11	-85.8	32.11	-65.8	-	-	-	-	0-360
5	.05996	41.04	Pk	11.8	0	-80	-27.16	52.03	-79.19	32.03	-59.19	-	-	-	-	0-360
2	.1707	46.61	Pk	11	.1	-80	-22.29	-	-	-	-	42.98	-65.27	22.98	-45.27	0-360
6	.20806	45.78	Pk	11	.1	-80	-23.12	-	-	-	-	41.25	-64.37	21.25	-44.37	0-360

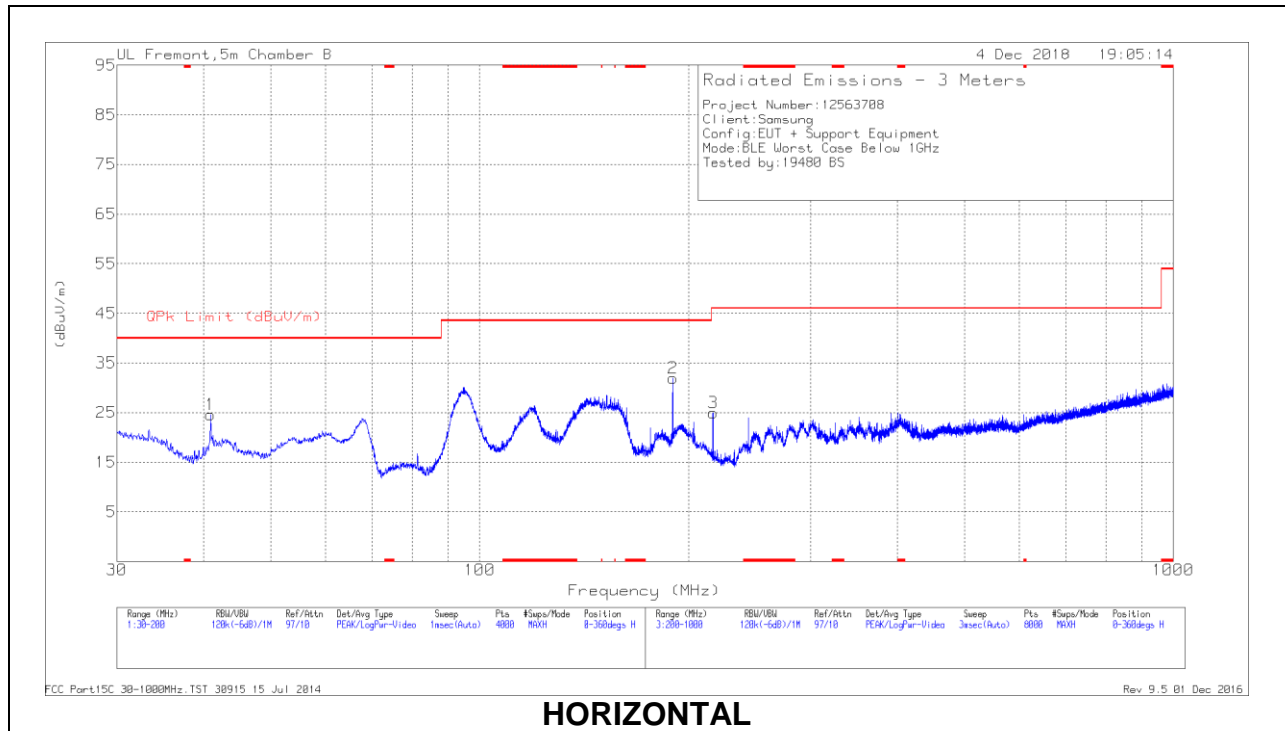
Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.89793	31.1	Pk	11.1	.1	-40	2.3	28.55	-26.25	-	-	-	-	0-360
7	1.09937	31.84	Pk	11.3	.1	-40	3.24	26.8	-23.56	-	-	-	-	0-360
8	11.59078	14.11	Pk	11	.4	-40	-14.49	29.5	-43.99	-	-	-	-	0-360
4	11.86903	12.05	Pk	11	.5	-40	-16.45	29.5	-45.95	-	-	-	-	0-360

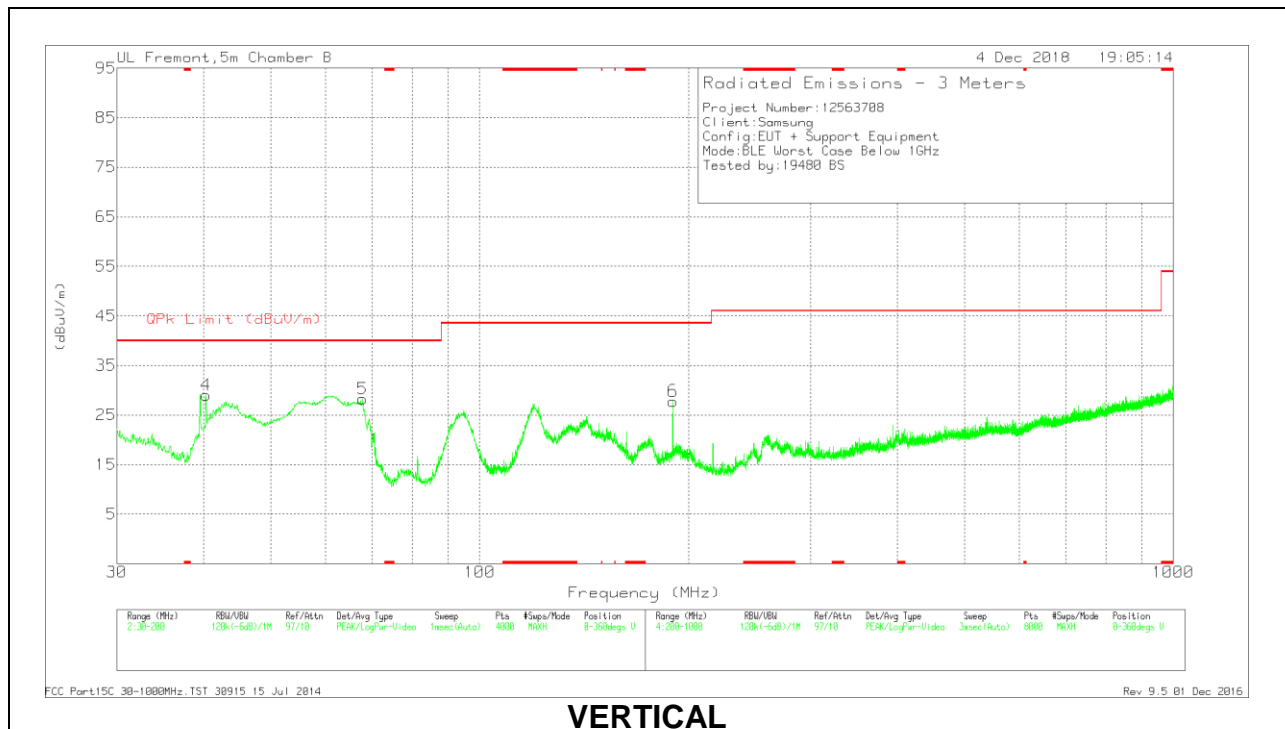
Pk - Peak detector

10.4. Worst Case Below 1 GHz

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



HORIZONTAL



VERTICAL

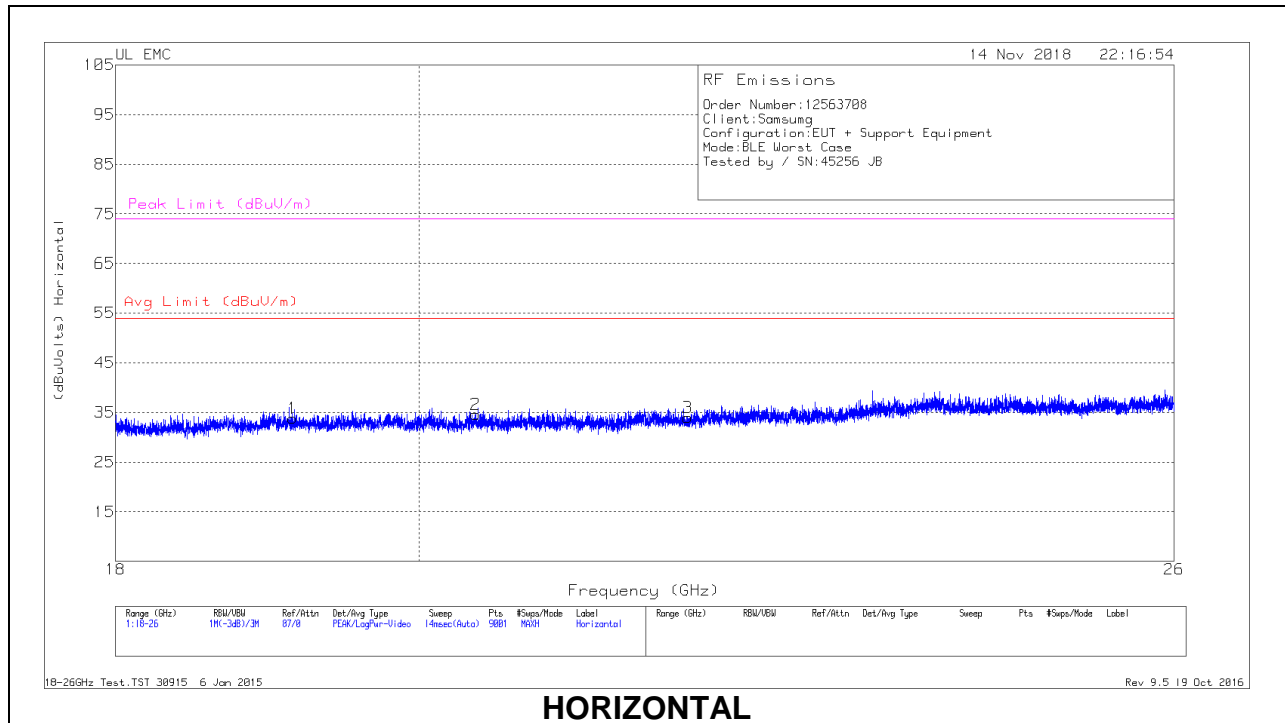
Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AFT407 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	40.3302	42.67	Pk	17.7	-31.3	29.07	40	-10.93	0-360	100	V
1	40.9253	38.53	Pk	17.3	-31.3	24.53	40	-15.47	0-360	400	H
5	67.7923	47.21	Pk	12.1	-31	28.31	40	-11.69	0-360	100	V
2	189.8414	46.8	Pk	15.3	-30.2	31.9	43.52	-11.62	0-360	200	H
6	189.8414	42.72	Pk	15.3	-30.2	27.82	43.52	-15.7	0-360	100	V
3	217.0022	40.42	Pk	14.6	-30	25.02	46.02	-21	0-360	200	H

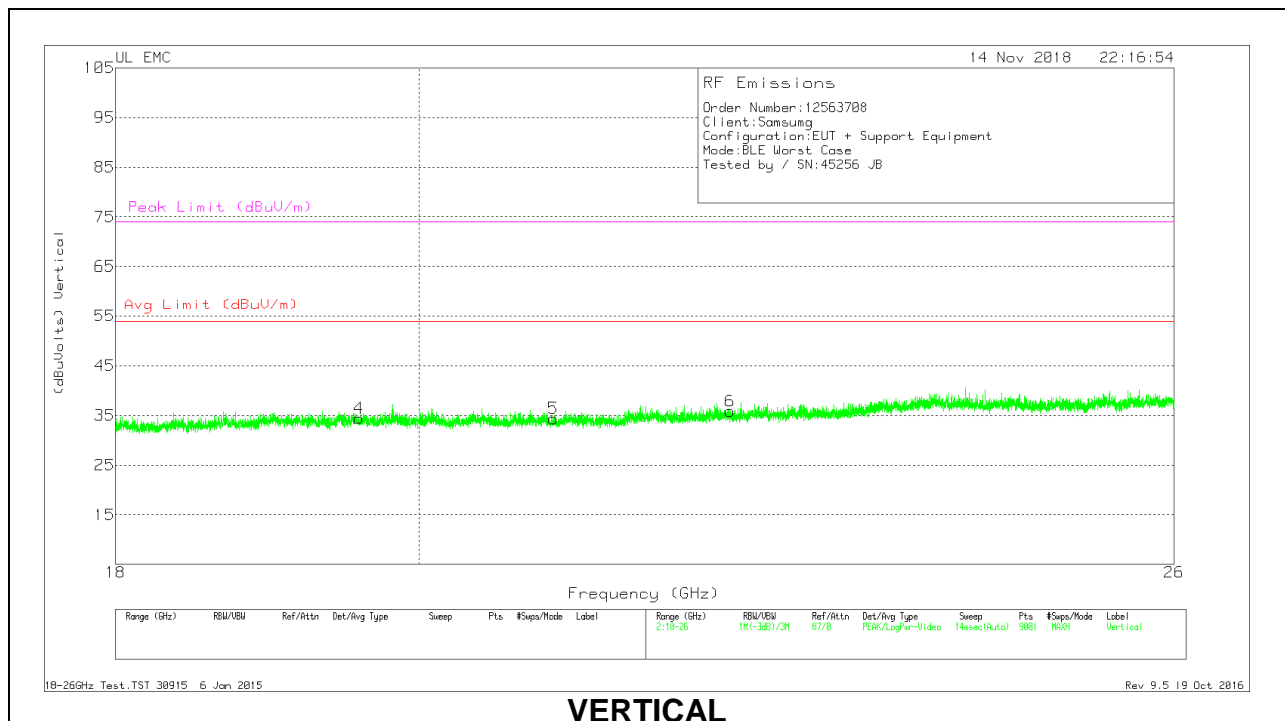
Pk - Peak detector

10.5. Worst Case 18-26 GHz

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



HORIZONTAL



VERTICAL

18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T447 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	19.142	35.52	Pk	32.6	-24.8	-9.5	33.82	54	-20.18	74	-40.18
2	20.398	36.3	Pk	32.9	-25.1	-9.5	34.6	54	-19.4	74	-39.4
3	21.957	35.38	Pk	33.3	-25.2	-9.5	33.98	54	-20.02	74	-40.02
4	19.588	36.44	Pk	32.8	-25.3	-9.5	34.44	54	-19.56	74	-39.56
5	20.957	36.37	Pk	33.1	-25.6	-9.5	34.37	54	-19.63	74	-39.63
6	22.284	36.46	Pk	33.5	-24.6	-9.5	35.86	54	-18.14	74	-38.14

Pk - Peak detector

11. 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.

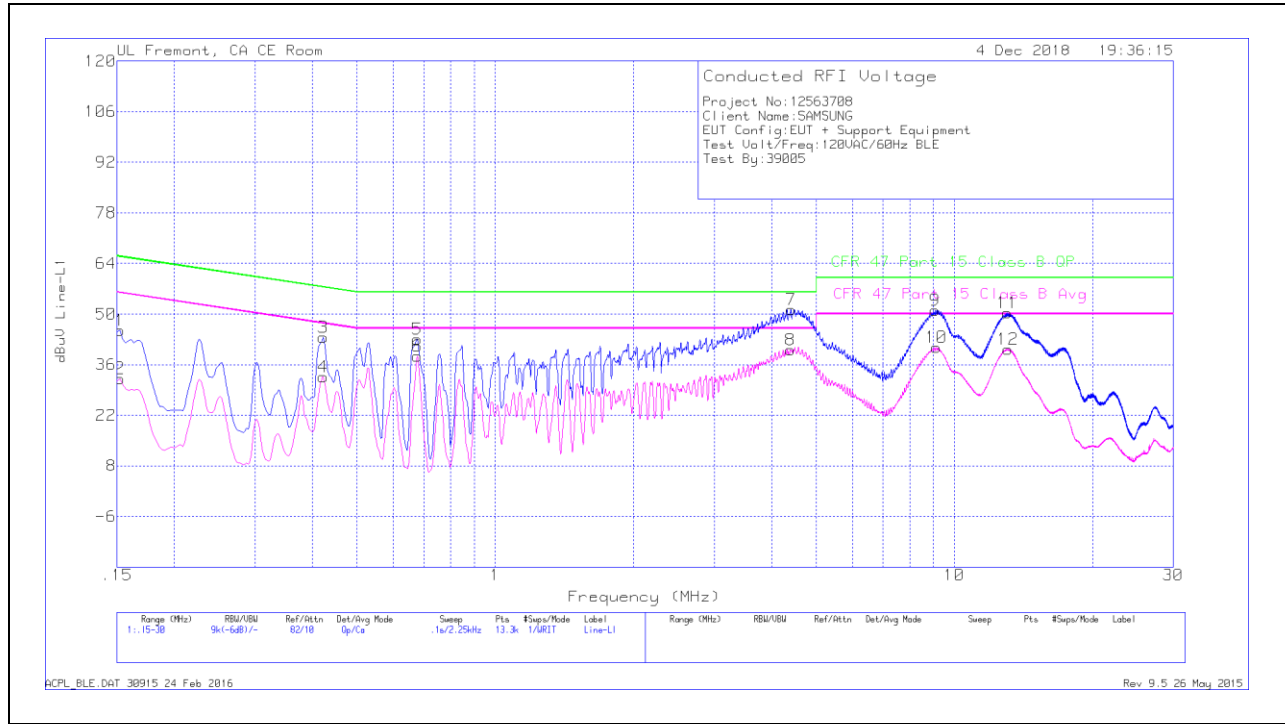
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line Norm

LINE 1 RESULTS

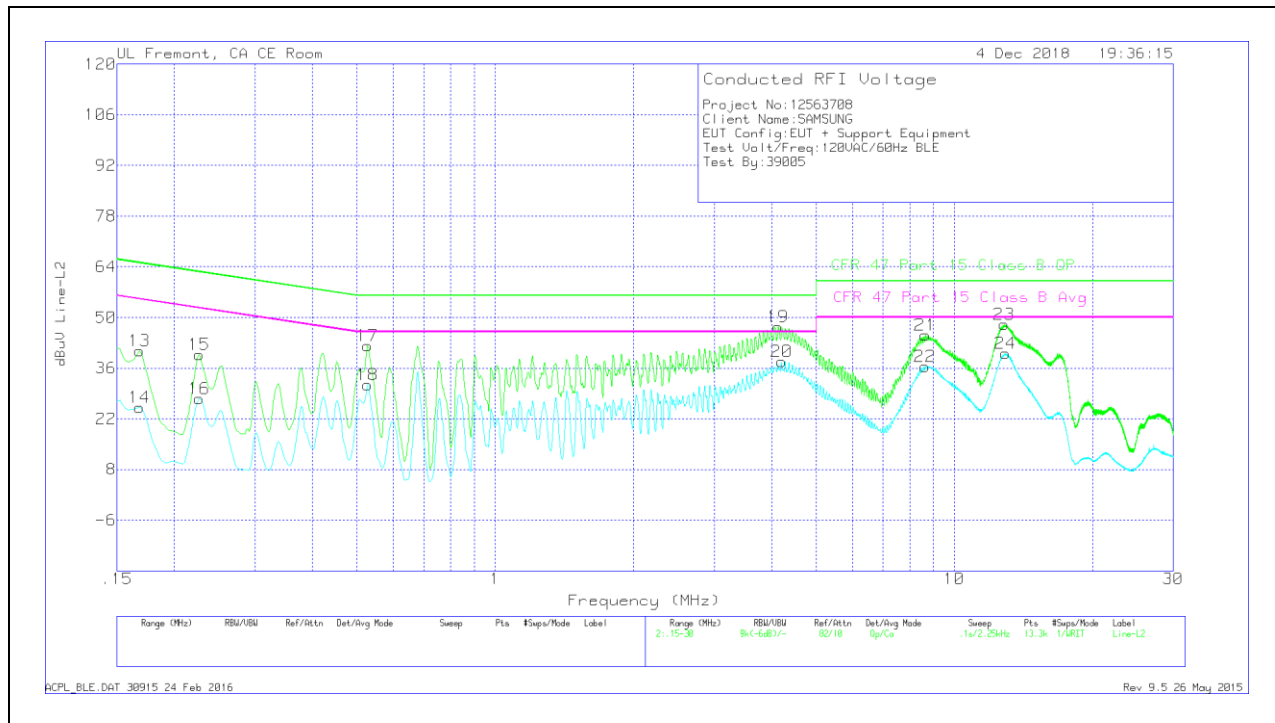


Trace Markers

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	.15225	35.28	Qp	.1	0	10.1	45.48	65.88	-20.4	-	-
2	.15225	21.98	Ca	.1	0	10.1	32.18	-	-	55.88	-23.7
3	.42225	33.39	Qp	0	0	10.1	43.49	57.4	-13.91	-	-
4	.42225	22.54	Ca	0	0	10.1	32.64	-	-	47.4	-14.76
5	.6765	33	Qp	0	0	10.1	43.1	56	-12.9	-	-
6	.6765	28.26	Ca	0	0	10.1	38.36	-	-	46	-7.64
7	4.407	41	Qp	0	.1	10.1	51.2	56	-4.8	-	-
8	4.4025	29.96	Ca	0	.1	10.1	40.16	-	-	46	-5.84
9	9.0735	40.69	Qp	0	.2	10.2	51.09	60	-8.91	-	-
10	9.13538	30.33	Ca	0	.2	10.2	40.73	-	-	50	-9.27
11	13.06275	39.83	Qp	.1	.2	10.2	50.33	60	-9.67	-	-
12	13.07625	29.84	Ca	.1	.2	10.2	40.34	-	-	50	-9.66

Qp - Quasi-Peak detector
 Ca - CISPR average detection

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	.168	30.59	Qp	.1	0	10.1	40.79	65.06	-24.27	-	-
14	.168	15	Ca	.1	0	10.1	25.2	-	-	55.06	-29.86
15	.2265	29.61	Qp	0	0	10.1	39.71	62.58	-22.87	-	-
16	.2265	17.54	Ca	0	0	10.1	27.64	-	-	52.58	-24.94
17	.528	32.06	Qp	0	0	10.1	42.16	56	-13.84	-	-
18	.528	21.33	Ca	0	0	10.1	31.43	-	-	46	-14.57
19	4.13025	37.24	Qp	0	.1	10.1	47.44	56	-8.56	-	-
20	4.20675	27.63	Ca	0	.1	10.1	37.83	-	-	46	-8.17
21	8.64825	34.71	Qp	0	.2	10.2	45.11	60	-14.89	-	-
22	8.646	26.08	Ca	0	.2	10.2	36.48	-	-	50	-13.52
23	12.83775	37.53	Qp	.1	.2	10.2	48.03	60	-11.97	-	-
24	12.939	29.59	Ca	.1	.2	10.2	40.09	-	-	50	-9.91

Qp - Quasi-Peak detector
 Ca - CISPR average detection