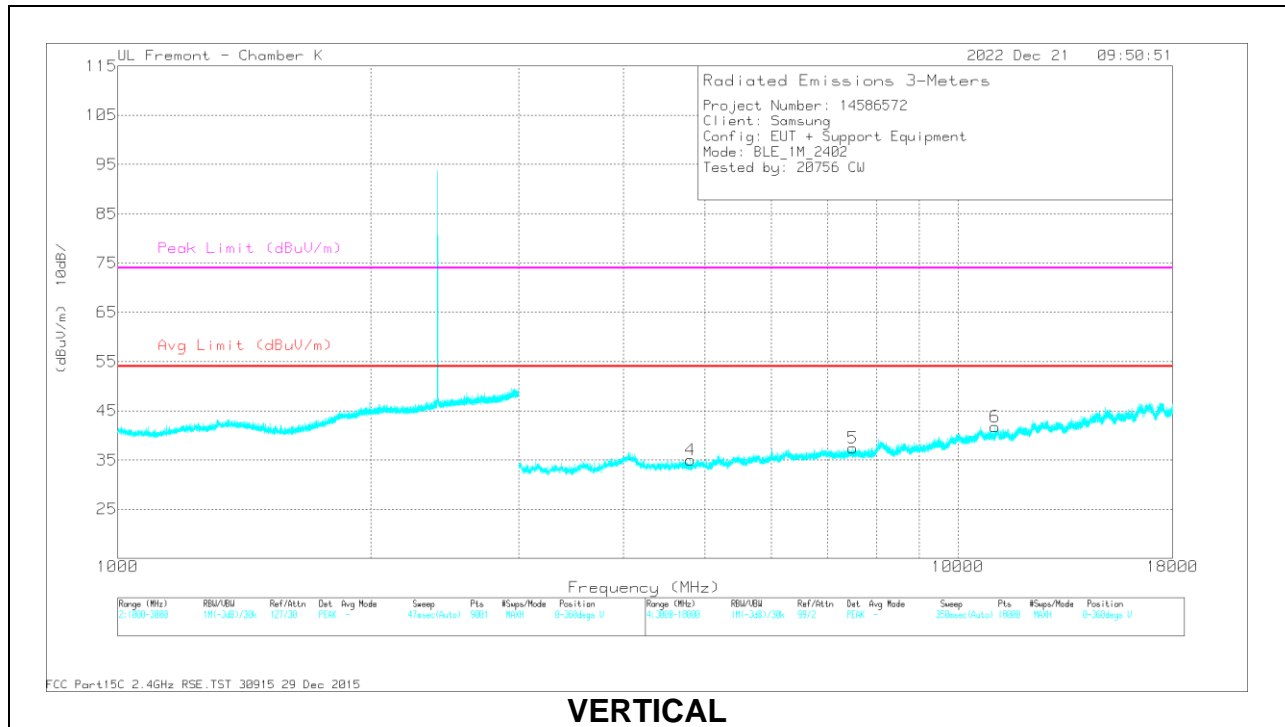
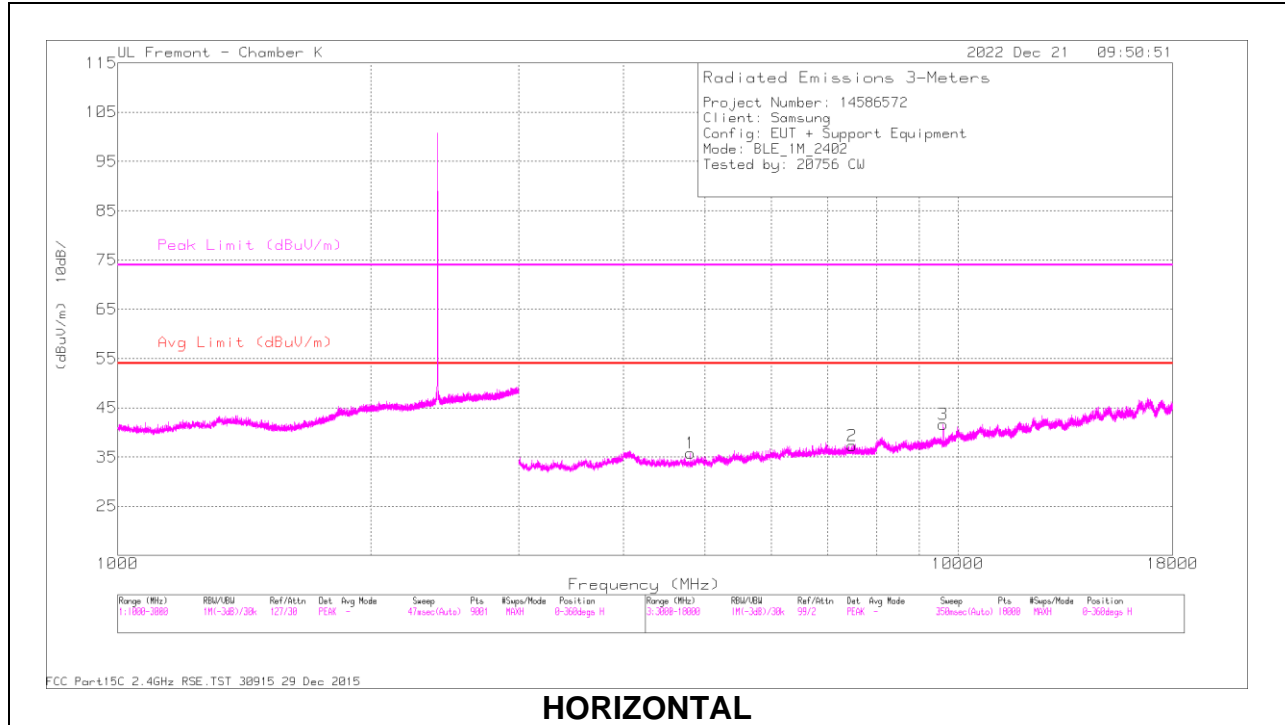


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

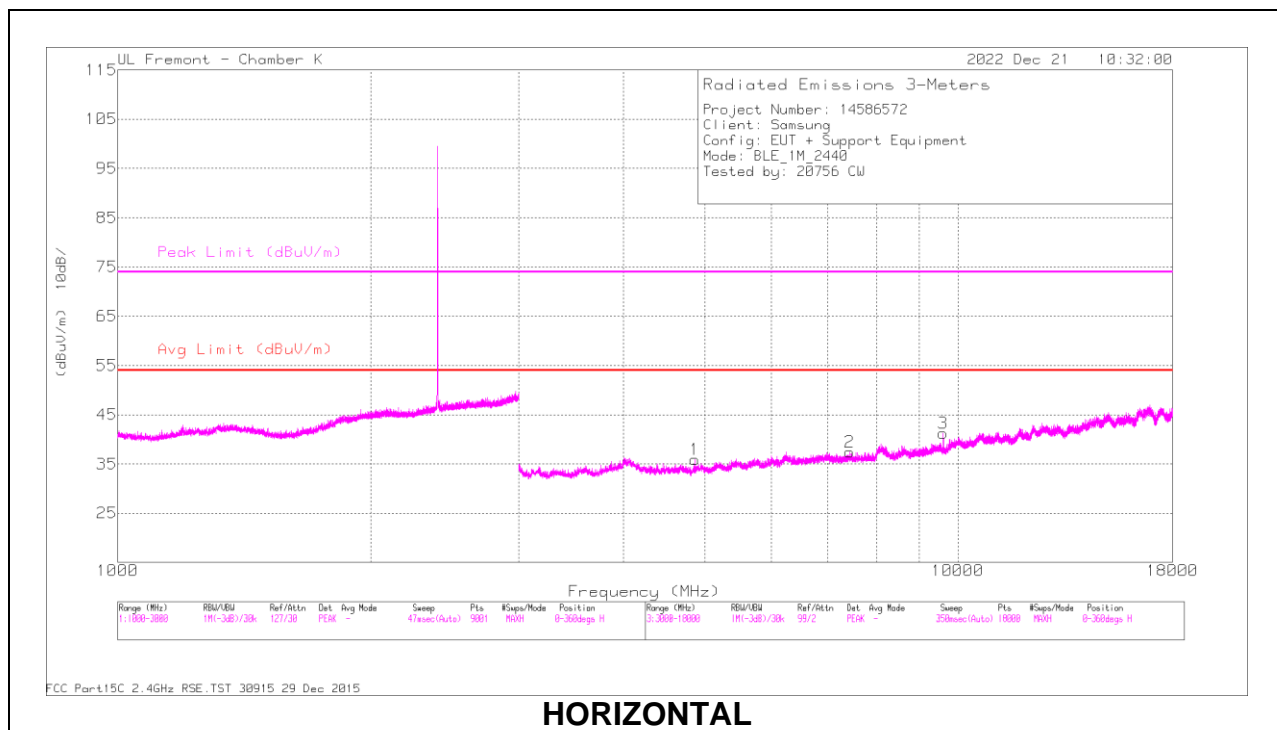


RADIATED EMISSIONS

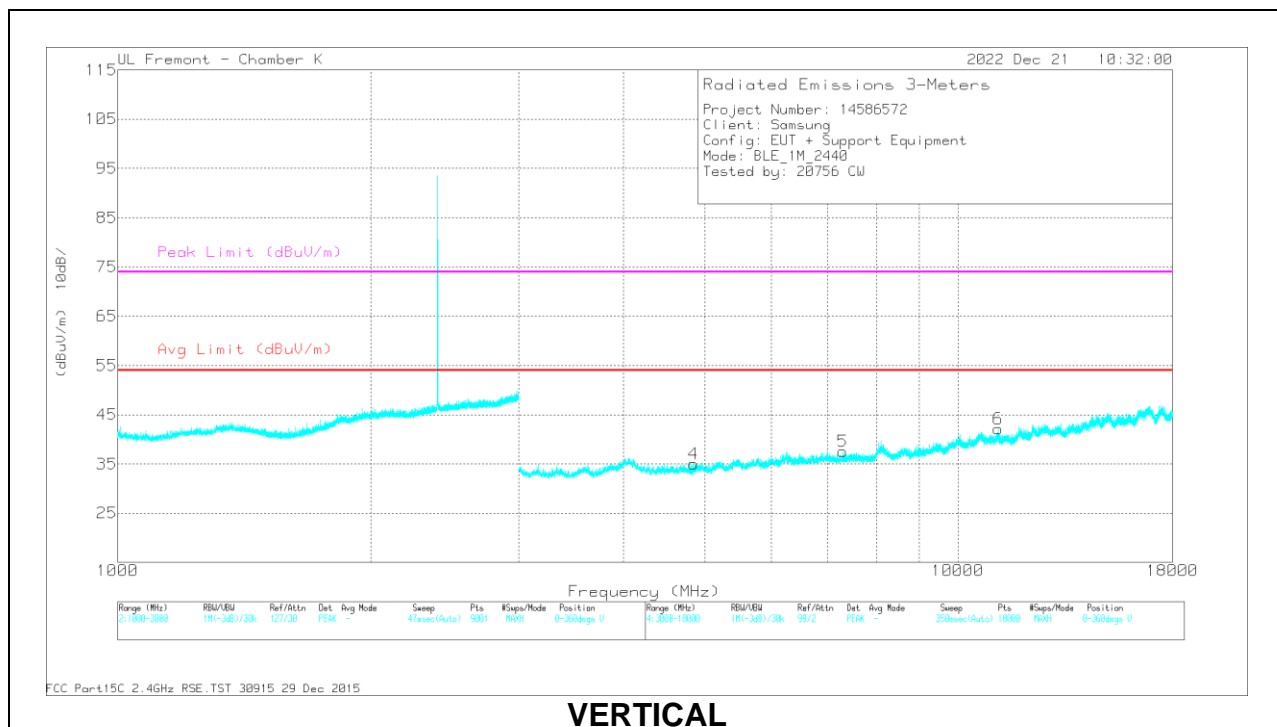
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4803.52	51.21	PK2	33.7	-40.6	0	44.31	-	-	74	-29.69	12	156	H
	* 4804.059	40.45	MAv1	33.7	-40.6	2.1	35.65	54	-18.35	-	-	12	156	H
2	* 7486.563	49.75	PK2	35.7	-37.8	0	47.65	-	-	74	-26.35	237	216	H
	* 7485.805	37.31	MAv1	35.7	-37.8	2.1	37.31	54	-16.69	-	-	237	216	H
3	9608.075	48.06	PK2	36.7	-36.2	0	48.56	-	-	-	-	228	315	H
4	* 4804.239	51.66	PK2	33.7	-40.6	0	44.76	-	-	74	-29.24	170	287	V
	* 4804.248	39.83	MAv1	33.7	-40.6	2.1	35.03	54	-18.97	-	-	170	287	V
5	* 7490.87	48.5	PK2	35.7	-37.7	0	46.5	-	-	74	-27.5	260	308	V
	* 7490.887	37.1	MAv1	35.7	-37.7	2.1	37.2	54	-16.8	-	-	260	308	V
6	* 11066.888	48.64	PK2	38	-36	0	50.64	-	-	74	-23.36	19	168	V
	* 11068.559	37.07	MAv1	38	-36	2.1	41.17	54	-12.83	-	-	19	168	V

* - indicates frequency in CFR47 Pt 15
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



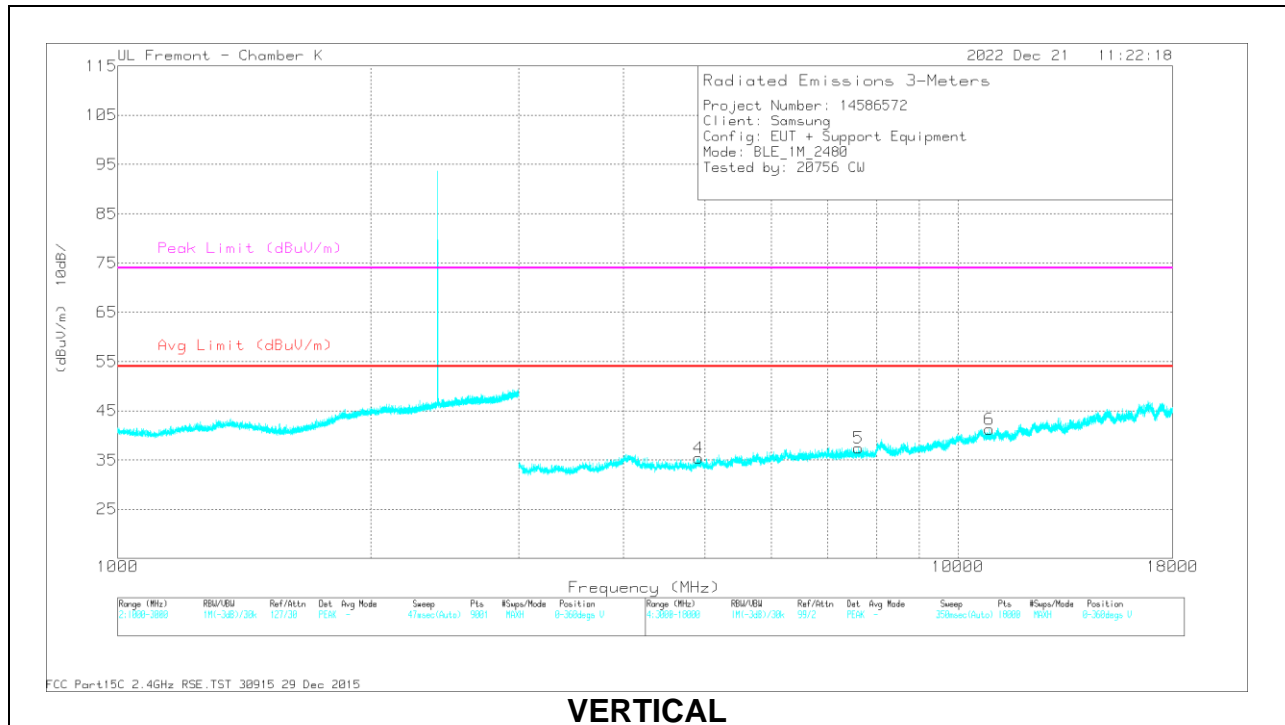
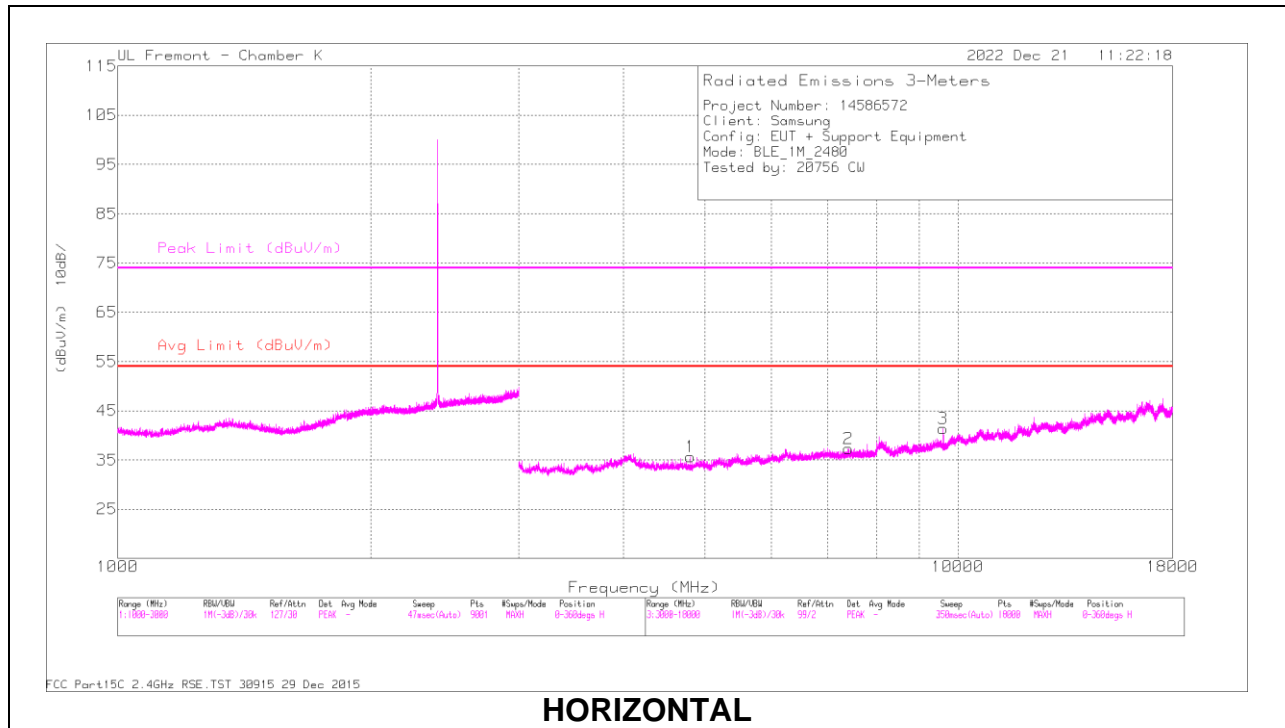
VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4869.015	50.96	PK2	33.7	-40.5	0	44.16	-	-	74	-29.84	72	248	H
	* 4867.766	39.43	MAv1	33.7	-40.3	2.1	34.93	54	-19.07	-	-	72	248	H
2	* 7430.306	48.67	PK2	35.7	-37.7	0	46.67	-	-	74	-27.33	164	381	H
	* 7431.414	37.33	MAv1	35.7	-37.7	2.1	37.43	54	-16.57	-	-	164	381	H
3	9606.191	47.97	PK2	36.7	-36.2	0	48.47	-	-	-	-	54	388	H
4	* 4847.413	51.08	PK2	33.7	-40.6	0	44.18	-	-	74	-29.82	291	230	V
	* 4847.369	39.43	MAv1	33.7	-40.6	2.1	34.63	54	-19.37	-	-	291	230	V
5	* 7295.501	49.08	PK2	35.7	-38	0	46.78	-	-	74	-27.22	306	389	V
	* 7297.636	37.36	MAv1	35.7	-38.1	2.1	37.06	54	-16.94	-	-	306	389	V
6	* 11156.738	49.15	PK2	38	-35.5	0	51.65	-	-	74	-22.35	0	311	V
	* 11158.286	37.06	MAv1	38	-35.5	2.1	41.66	54	-12.34	-	-	0	311	V

* - indicates frequency in CFR47 Pt 15
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

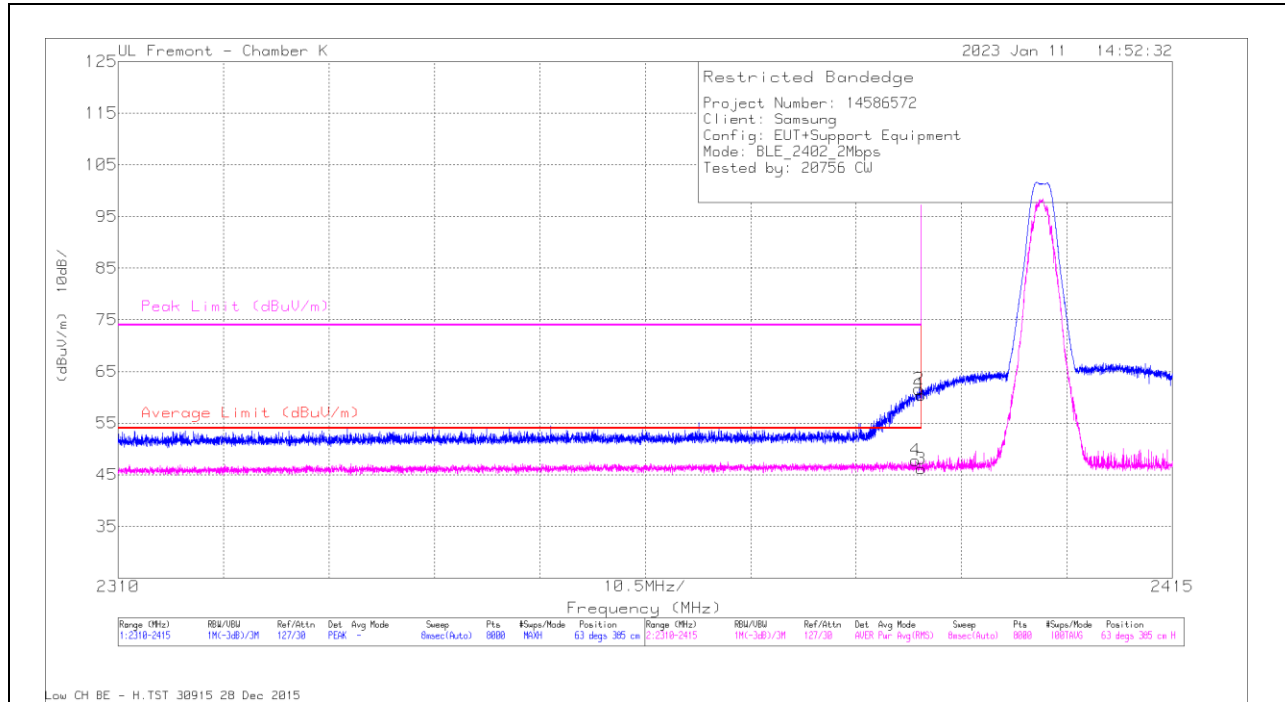
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4804.239	51.54	PK2	33.7	-40.6	0	44.64	-	-	74	-29.36	183	173	H
	* 4803.947	40.54	MAv1	33.7	-40.6	2.1	35.74	54	-18.26	-	-	183	173	H
2	* 7406.79	49.17	PK2	35.7	-37.7	0	47.17	-	-	74	-26.83	165	375	H
	* 7407.122	37.19	MAv1	35.7	-37.6	2.1	37.39	54	-16.61	-	-	165	375	H
3	9608.188	48.32	PK2	36.7	-36.2	0	48.82	-	-	-	-	338	213	H
4	* 4917.852	51.93	PK2	33.7	-40.4	0	45.23	-	-	74	-28.77	66	205	V
	* 4917.793	39.92	MAv1	33.7	-40.4	2.1	35.32	54	-18.68	-	-	66	205	V
5	* 7610.158	48.9	PK2	35.8	-37.8	0	46.9	-	-	74	-27.1	256	349	V
	* 7612.538	37.17	MAv1	35.8	-37.9	2.1	37.17	54	-16.83	-	-	256	349	V
6	* 10908.015	48.11	PK2	38	-36.1	0	50.01	-	-	74	-23.99	99	237	V
	* 10907.071	36.84	MAv1	38	-36.1	2.1	40.84	54	-13.16	-	-	99	237	V

* - indicates frequency in CFR47 Pt 15
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.2. BLE (2Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

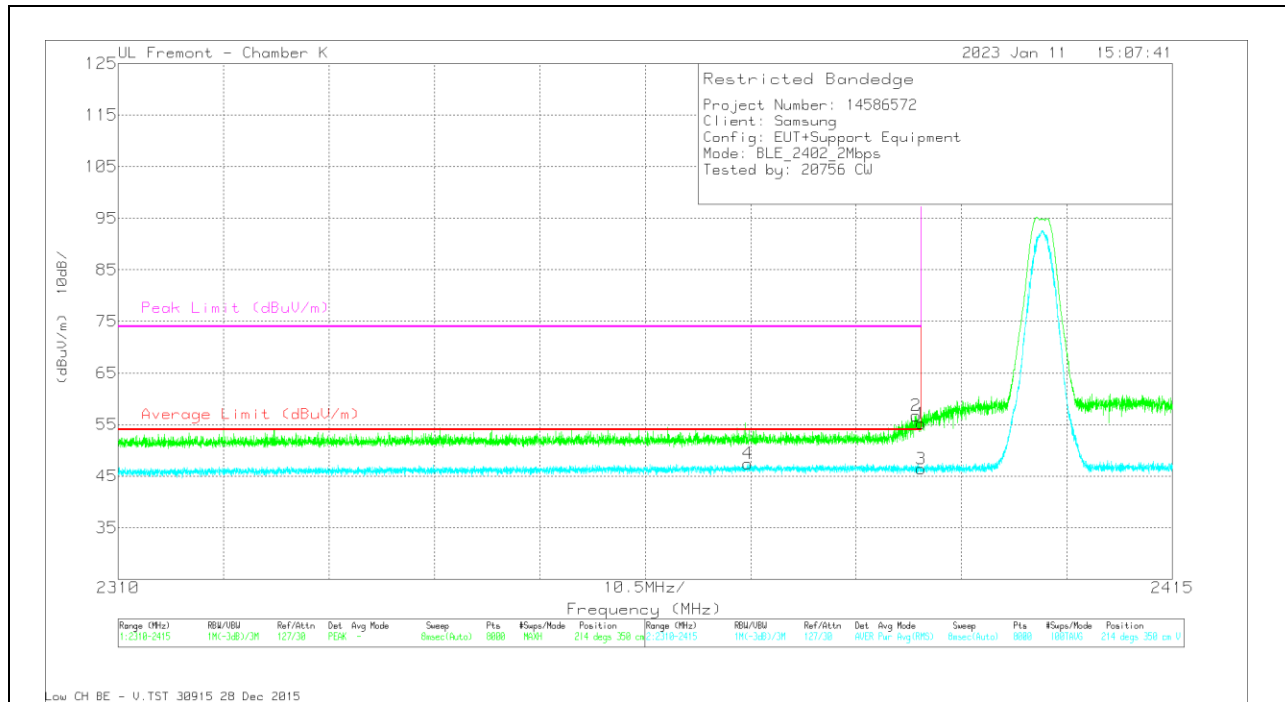
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	63.57	Pk	31.8	-34.9	0	60.47	-	-	74	-13.53	63	385	H
2	* 2389.76	64.71	Pk	31.8	-34.9	0	61.61	-	-	74	-12.39	63	385	H
3	* 2390	44.26	RMS	31.8	-34.9	5	46.16	54	-7.84	-	-	63	385	H
4	* 2389.418	45.9	RMS	31.8	-34.9	5	47.8	54	-6.2	-	-	63	385	H

* - indicates frequency in CFR47 Pt 15

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



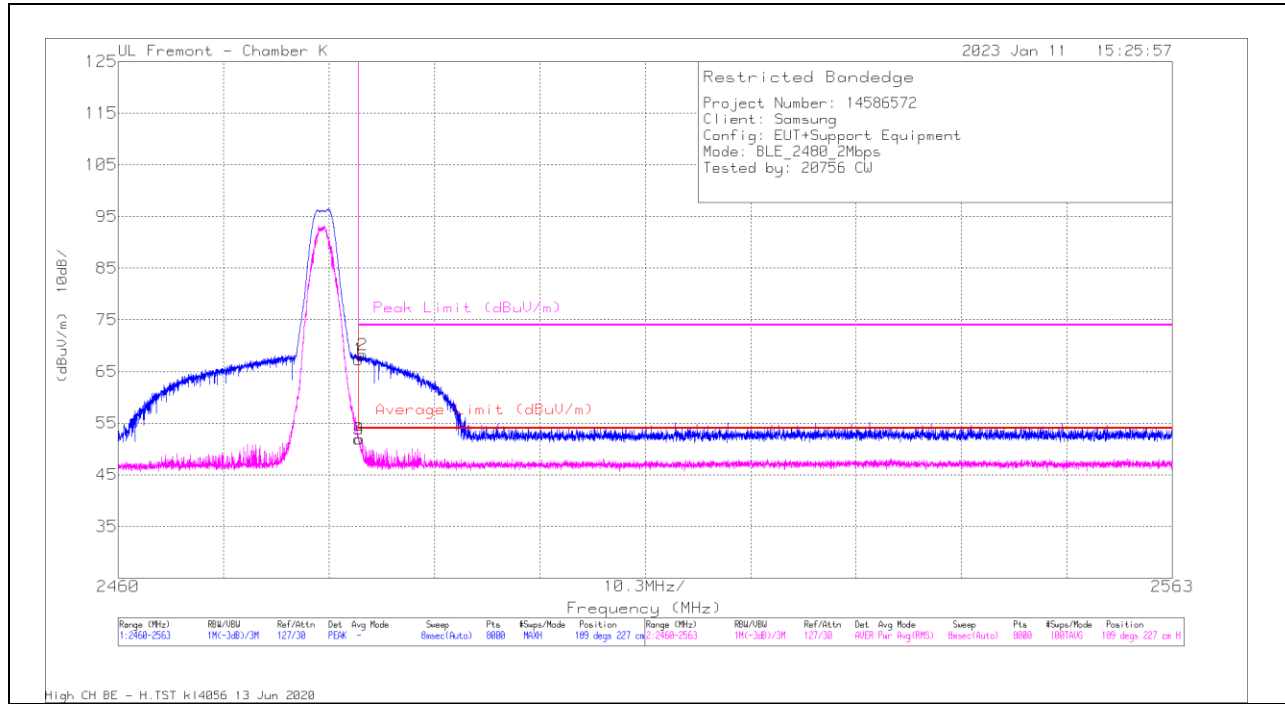
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	58.29	Pk	31.8	-34.9	0	55.19	-	-	74	-18.81	214	350	V
2	* 2389.484	59.84	Pk	31.8	-34.9	0	56.74	-	-	74	-17.26	214	350	V
3	* 2390	44.51	RMS	31.8	-34.9	5	46.41	54	-7.59	-	-	214	350	V
4	* 2372.695	45.63	RMS	31.7	-34.9	5	47.43	54	-6.57	-	-	214	350	V

* - indicates frequency in CFR47 Pt 15
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

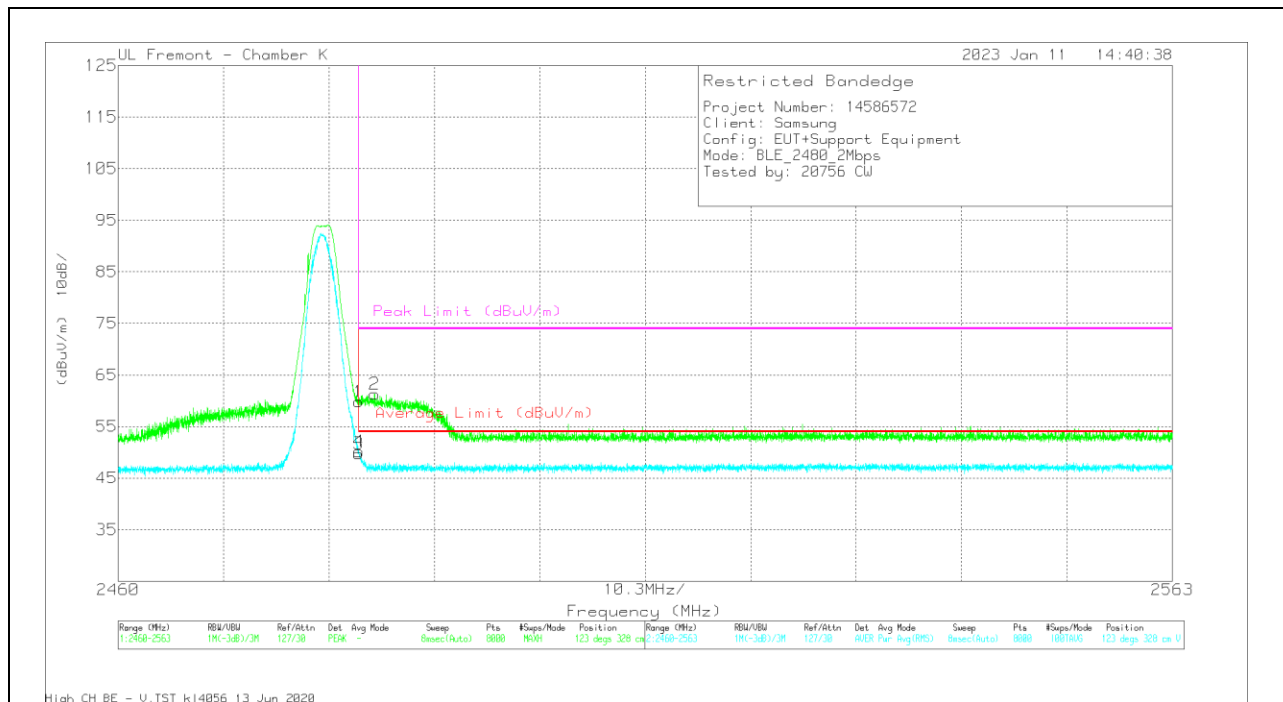


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	69.63	Pk	32.2	-34.5	0	67.33	-	-	74	-6.67	189	227	H
2	* 2483.9	70.5	Pk	32.2	-34.5	0	68.2	-	-	74	-5.8	189	227	H
3	* 2483.5	49.17	RMS	32.2	-34.5	5	51.87	54	-2.13	-	-	189	227	H
4	* 2483.591	49.19	RMS	32.2	-34.5	5	51.89	54	-2.11	-	-	189	227	H

* - indicates frequency in CFR47 Pt 15
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



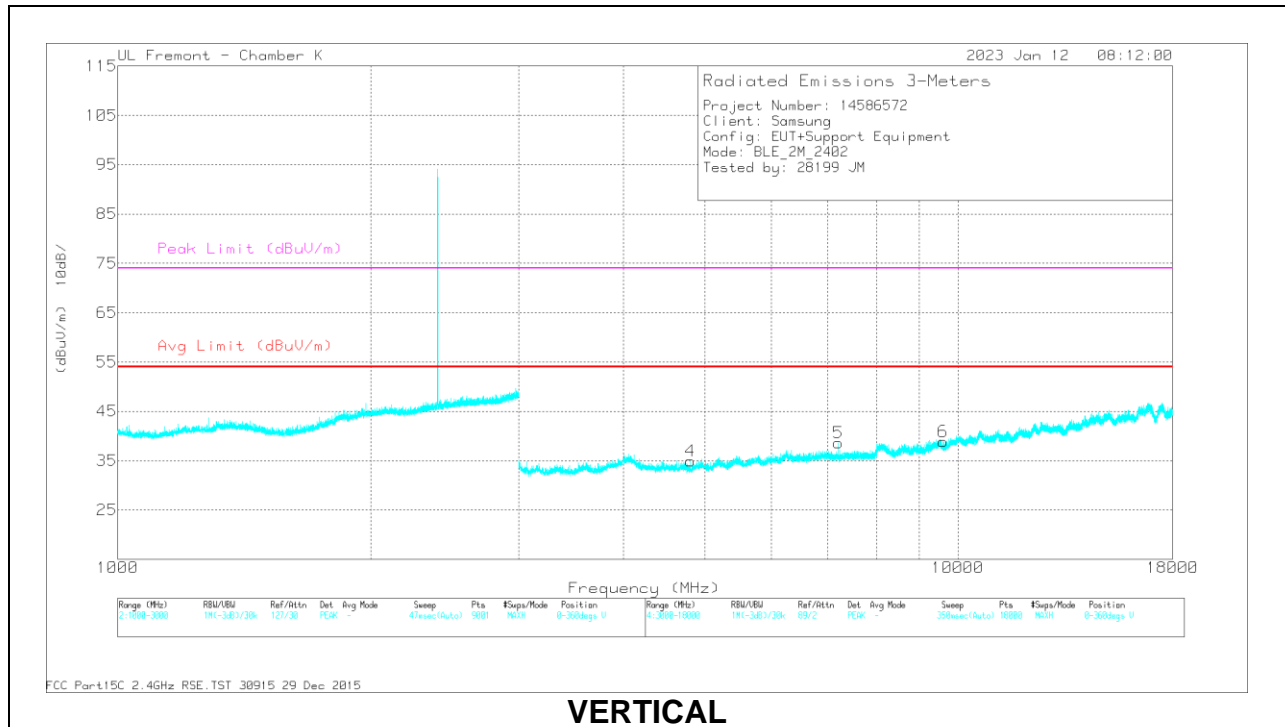
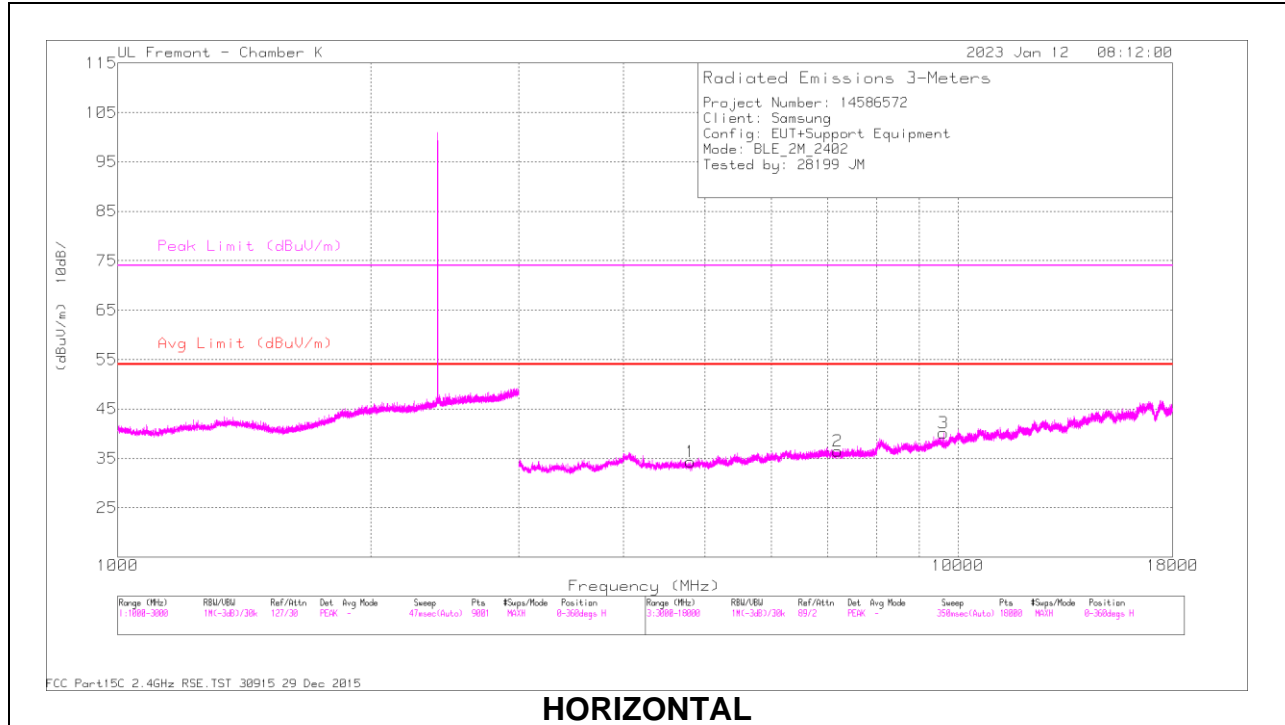
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	62.11	Pk	32.2	-34.5	0	59.81	-	-	74	-14.19	123	328	V
2	* 2485.046	63.59	Pk	32.2	-34.5	0	61.29	-	-	74	-12.71	123	328	V
3	* 2483.5	47.02	RMS	32.2	-34.5	5	49.72	54	-4.28	-	-	123	328	V
4	* 2483.513	47.45	RMS	32.2	-34.5	5	50.15	54	-3.85	-	-	123	328	V

* - indicates frequency in CFR47 Pt 15
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

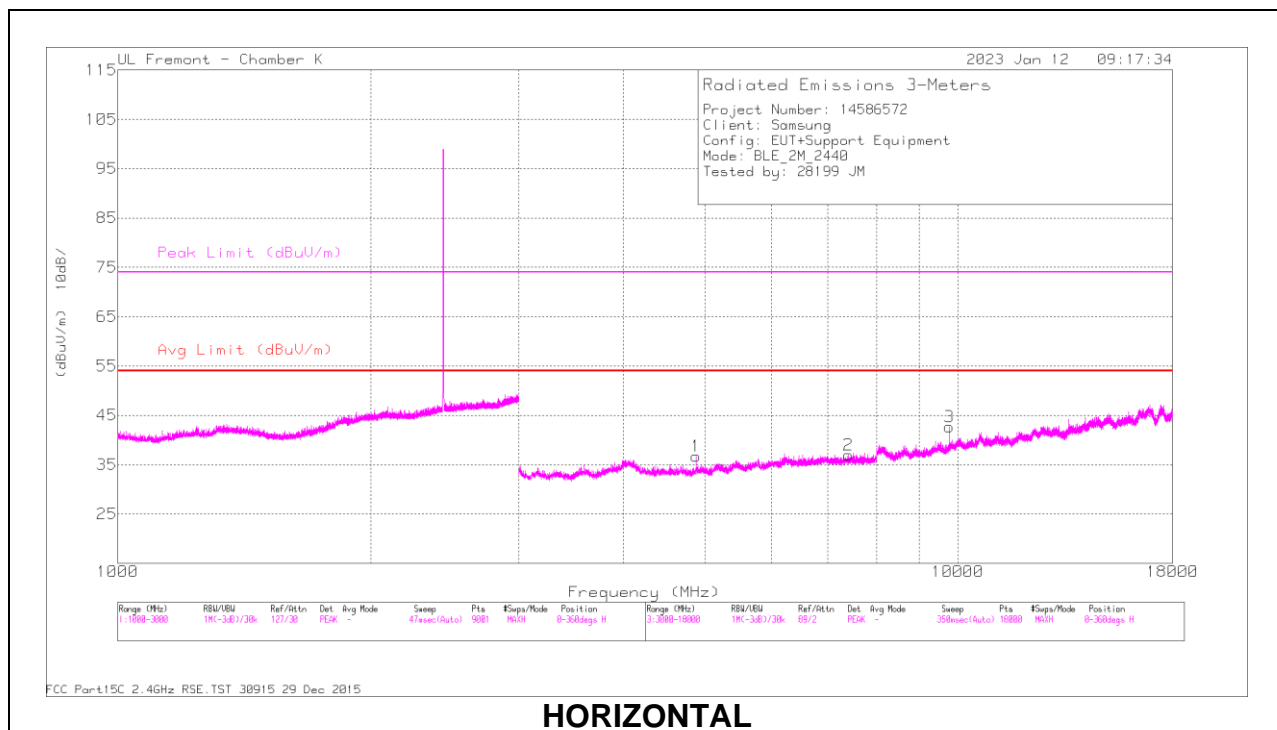


RADIATED EMISSIONS

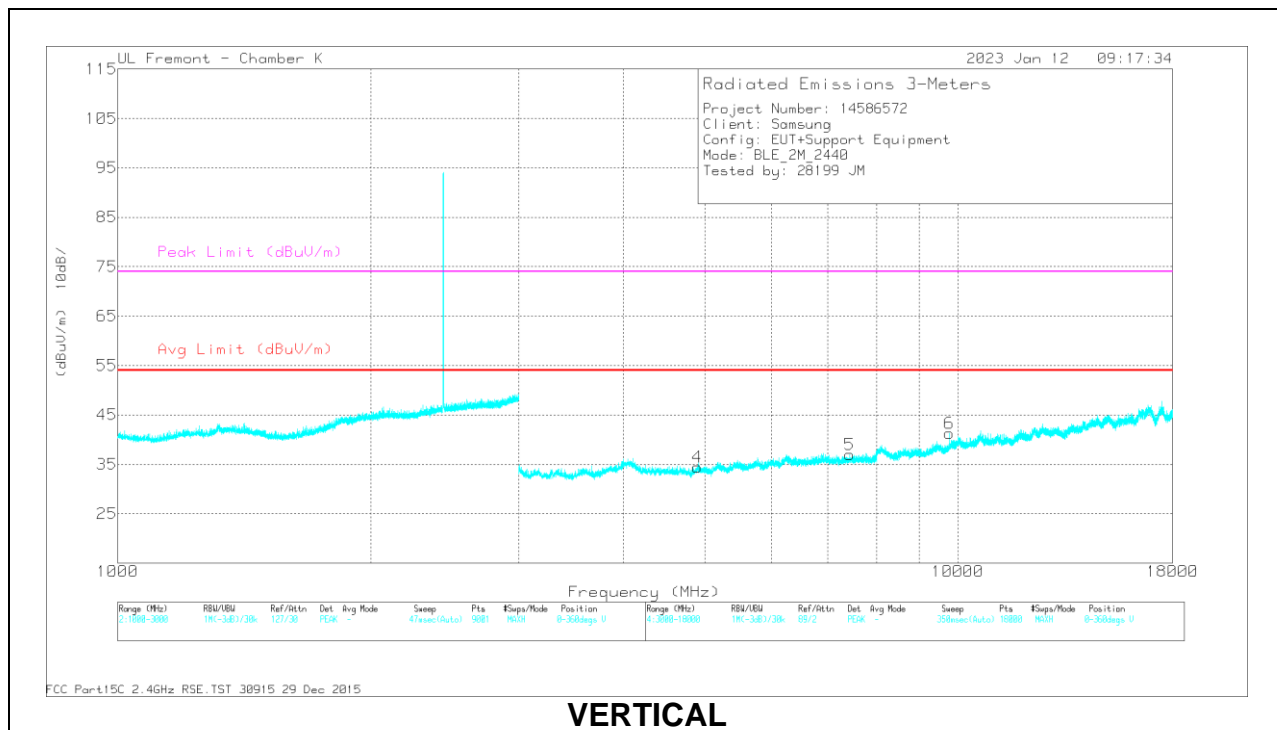
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4804.767	51.18	PK2	33.7	-40.5	0	44.38	-	-	74	-29.62	89	389	H
	* 4803.842	40.17	MAv1	33.7	-40.6	5	38.27	54	-15.73	-	-	89	389	H
2	7188.111	48.92	PK2	35.8	-38.1	0	46.62	-	-	-	-	204	358	H
3	9607.919	48.22	PK2	36.7	-36.2	0	48.72	-	-	-	-	15	175	H
4	* 4803.244	51.26	PK2	33.7	-40.6	0	44.36	-	-	74	-29.64	4	165	V
	* 4803.969	39.97	MAv1	33.7	-40.6	5	38.07	54	-15.93	-	-	4	165	V
5	7204.352	48.58	PK2	35.7	-38.3	0	45.98	-	-	-	-	342	187	V
6	9597.775	47.68	PK2	36.7	-36.3	0	48.08	-	-	-	-	50	181	V

* - indicates frequency in CFR47 Pt 15
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



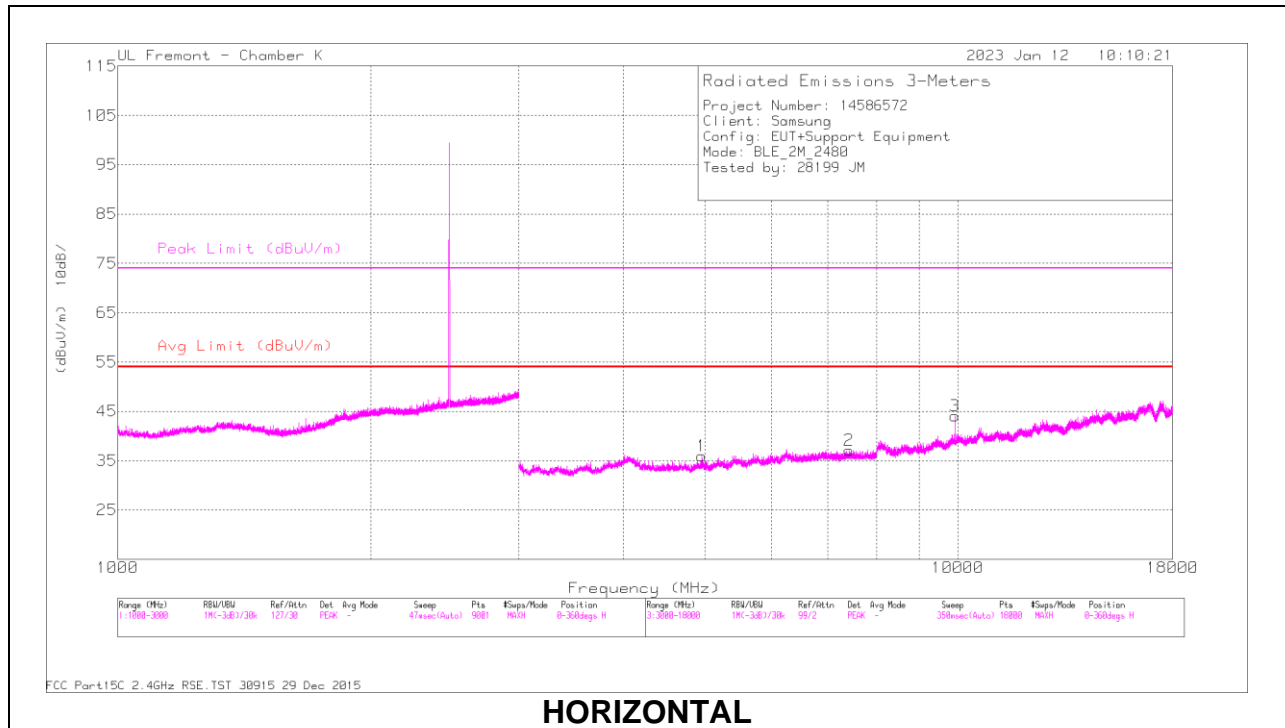
VERTICAL

RADIATED EMISSIONS

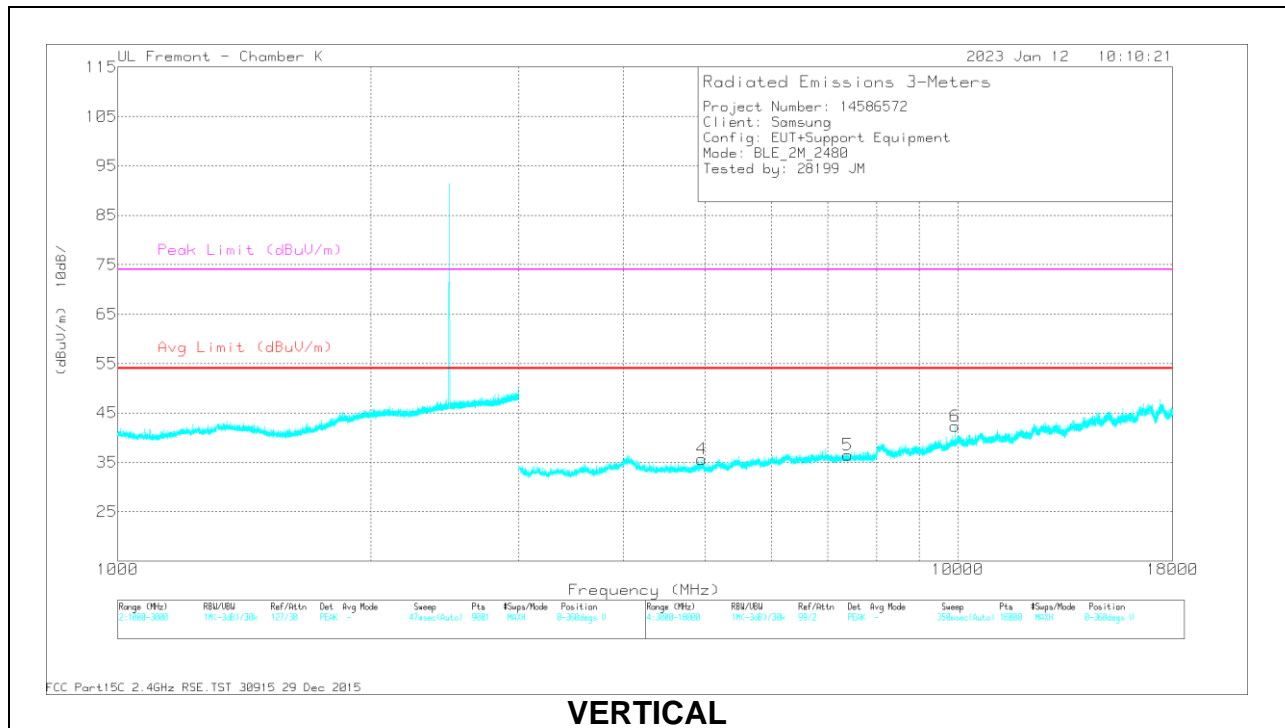
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4881.411	52	PK2	33.7	-40.3	0	45.4	-	-	74	-28.6	112	197	H
	* 4880.308	40.05	MAv1	33.7	-40.4	5	38.35	54	-15.65	-	-	112	197	H
2	* 7407.18	48.43	PK2	35.7	-37.6	0	46.53	-	-	74	-27.47	73	277	H
	* 7405.536	37.07	MAv1	35.7	-37.7	5	40.07	54	-13.93	-	-	73	277	H
3	9759.04	48.45	PK2	36.9	-36.3	0	49.05	-	-	-	-	312	132	H
4	* 4895.969	51.33	PK2	33.7	-40.4	0	44.63	-	-	74	-29.37	245	142	V
	* 4896.508	39.64	MAv1	33.7	-40.4	5	37.94	54	-16.06	-	-	245	142	V
5	* 7437.203	48.23	PK2	35.7	-37.7	0	46.23	-	-	74	-27.77	146	174	V
	* 7438.271	37.1	MAv1	35.7	-37.7	5	40.1	54	-13.9	-	-	146	174	V
6	9759.975	49.45	PK2	36.9	-36.3	0	50.05	-	-	-	-	10	250	V

* - indicates frequency in CFR47 Pt 15
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

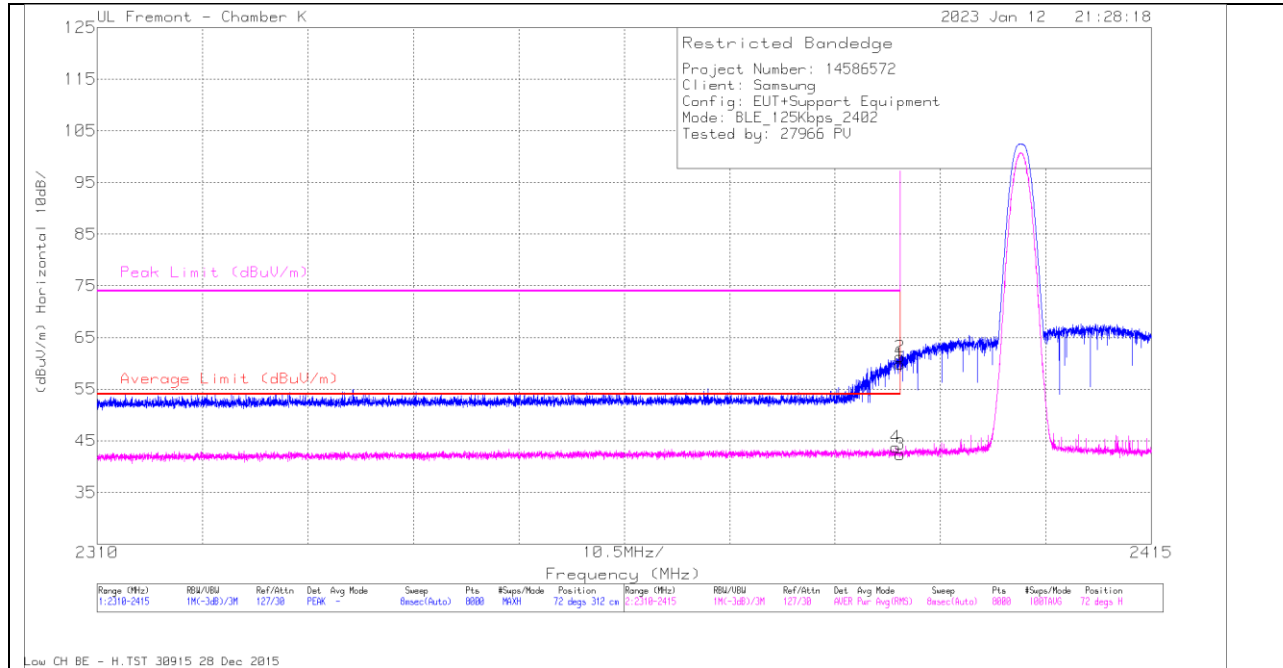
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4958.942	53.42	PK2	33.7	-40.4	0	46.72	-	-	74	-27.28	14	244	H
	* 4959.727	40.28	MAv1	33.7	-40.4	5	38.58	54	-15.42	-	-	14	244	H
2	* 7415.846	48.61	PK2	35.7	-37.7	0	46.61	-	-	74	-27.39	179	392	H
	* 7413.278	36.94	MAv1	35.7	-37.7	5	39.94	54	-14.06	-	-	179	392	H
3	9919.569	48.3	PK2	37.1	-36.1	0	49.3	-	-	-	-	203	169	H
4	* 4958.784	51.69	PK2	33.7	-40.4	0	44.99	-	-	74	-29.01	197	273	V
	* 4959.097	39.8	MAv1	33.7	-40.4	5	38.1	54	-15.9	-	-	197	273	V
5	* 7400.013	48.53	PK2	35.7	-37.7	0	46.53	-	-	74	-27.47	336	167	V
	* 7400.366	37.15	MAv1	35.7	-37.7	5	40.15	54	-13.85	-	-	336	167	V
6	9921.778	48.16	PK2	37.1	-36.2	0	49.06	-	-	-	-	142	291	V

* - indicates frequency in CFR47 Pt 15
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.3. BLE (125Kbps)

BANDEDGE (LOW CHANNEL)

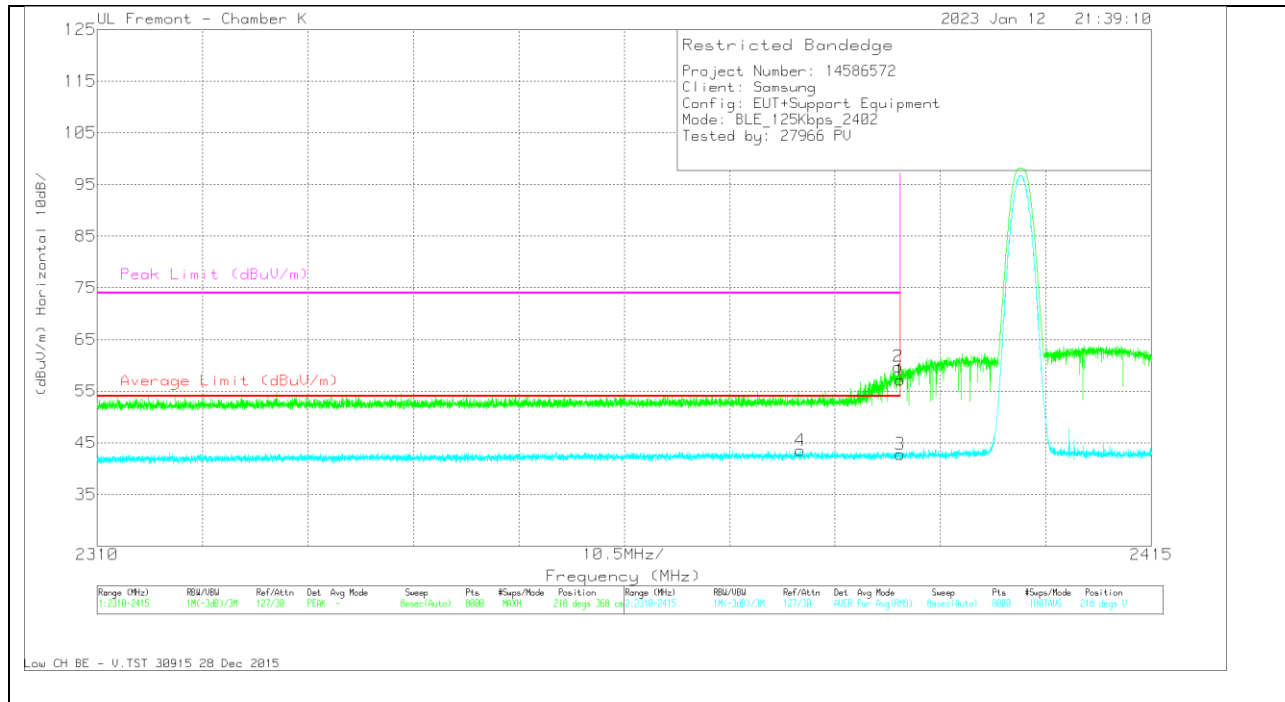
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	62.91	Pk	31.8	-34.9	0	59.81	-	-	74	-14.19	72	312	H
2	* 2389.983	64.35	Pk	31.8	-34.9	0	61.25	-	-	74	-12.75	72	312	H
3	* 2390	44.62	RMS	31.8	-34.9	.84	42.36	54	-11.64	-	-	72	312	H
4	* 2389.536	46.01	RMS	31.8	-34.9	.84	43.75	54	-10.25	-	-	72	312	H

* - indicates frequency in CFR47 Pt 15
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT

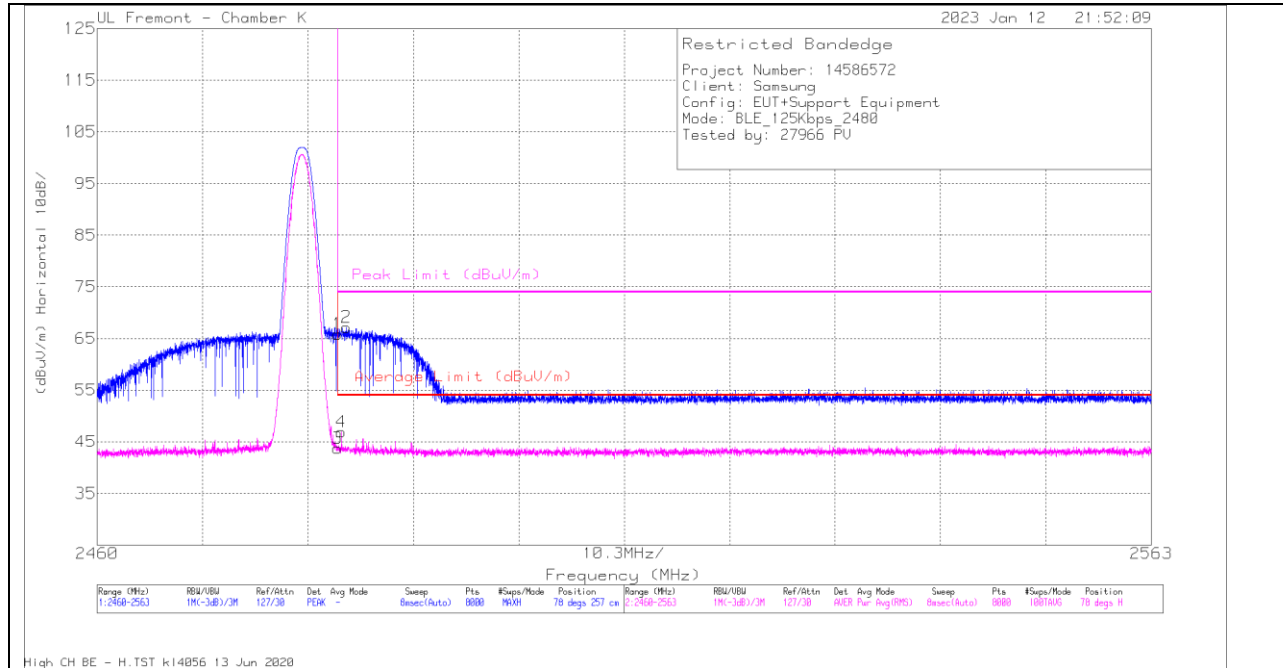


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	60.21	Pk	31.8	-34.9	0	57.11	-	-	74	-16.89	218	368	V
2	* 2389.786	62.86	Pk	31.8	-34.9	0	59.76	-	-	74	-14.24	218	368	V
3	* 2390	45.05	RMS	31.8	-34.9	.84	42.79	54	-11.21	-	-	218	368	V
4	* 2380.046	45.77	RMS	31.8	-34.9	.84	43.51	54	-10.49	-	-	218	368	V

* - indicates frequency in CFR47 Pt 15
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

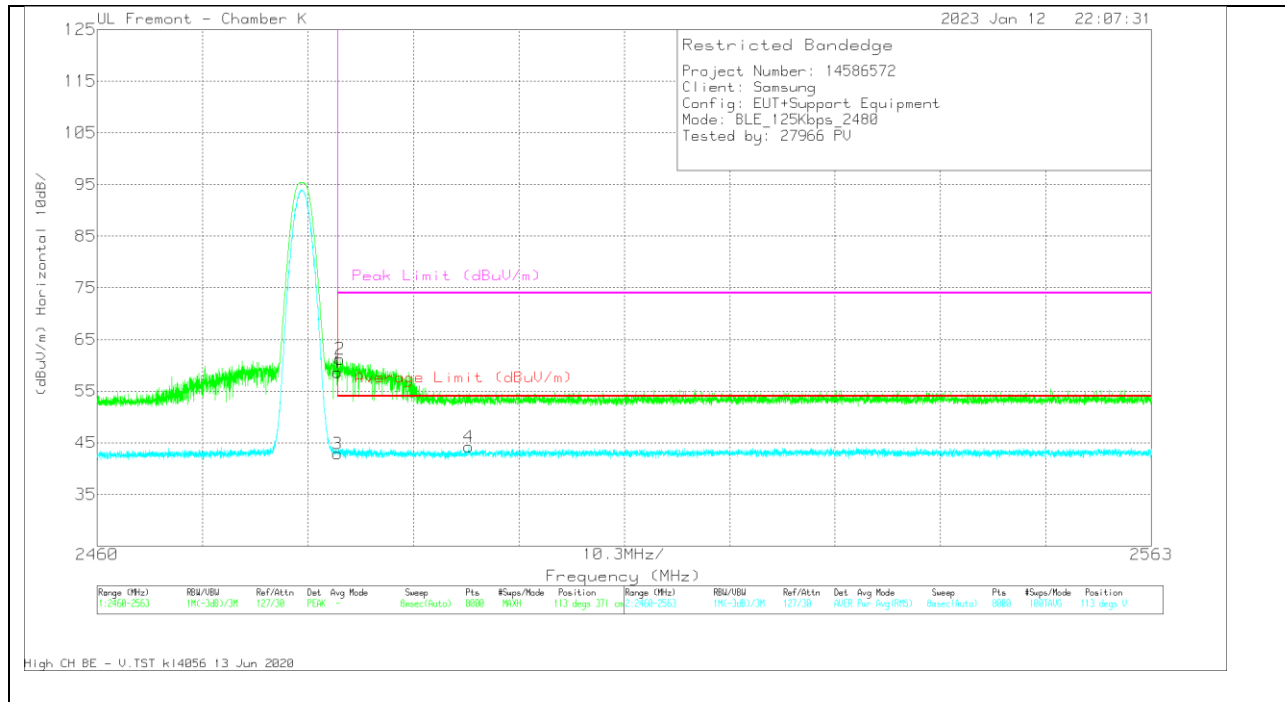
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	68.12	Pk	32.2	-34.5	0	65.82	-	-	74	-8.18	78	257	H
2	* 2484.338	69.45	Pk	32.2	-34.5	0	67.15	-	-	74	-6.85	78	257	H
3	* 2483.5	45.18	RMS	32.2	-34.5	.84	43.72	54	-10.28	-	-	78	257	H
4	* 2483.835	48.37	RMS	32.2	-34.5	.84	46.91	54	-7.09	-	-	78	257	H

* - indicates frequency in CFR47 Pt 15
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT

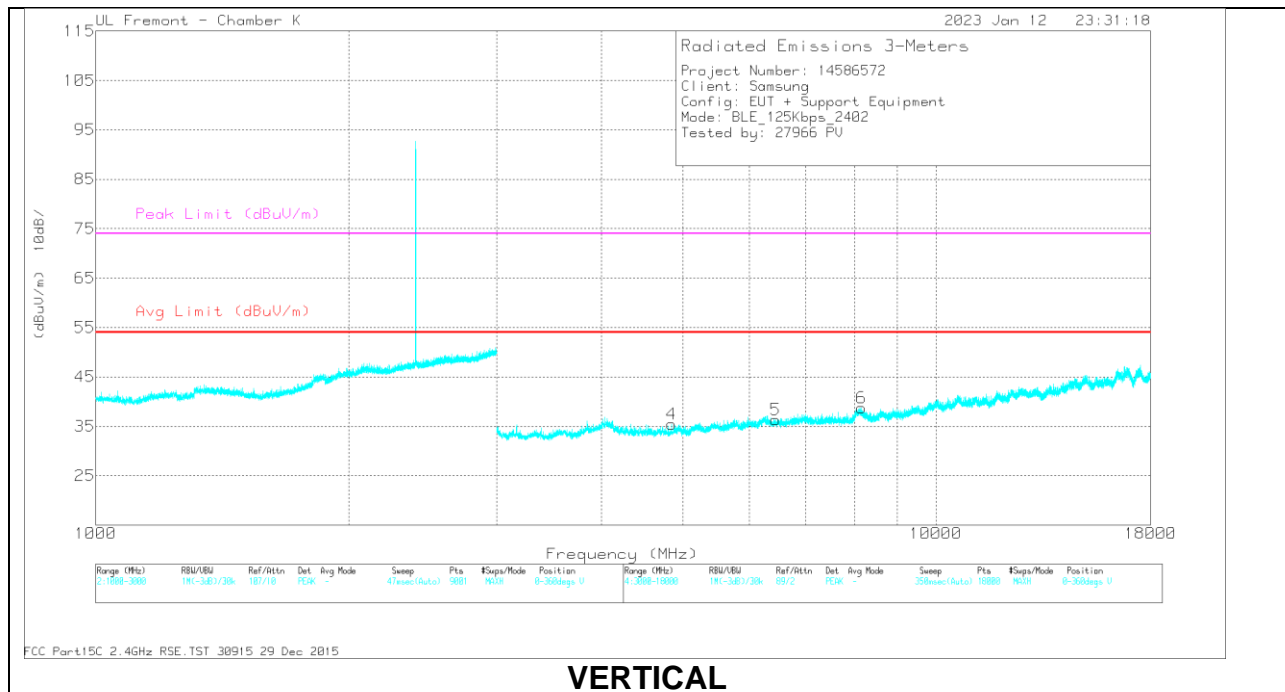
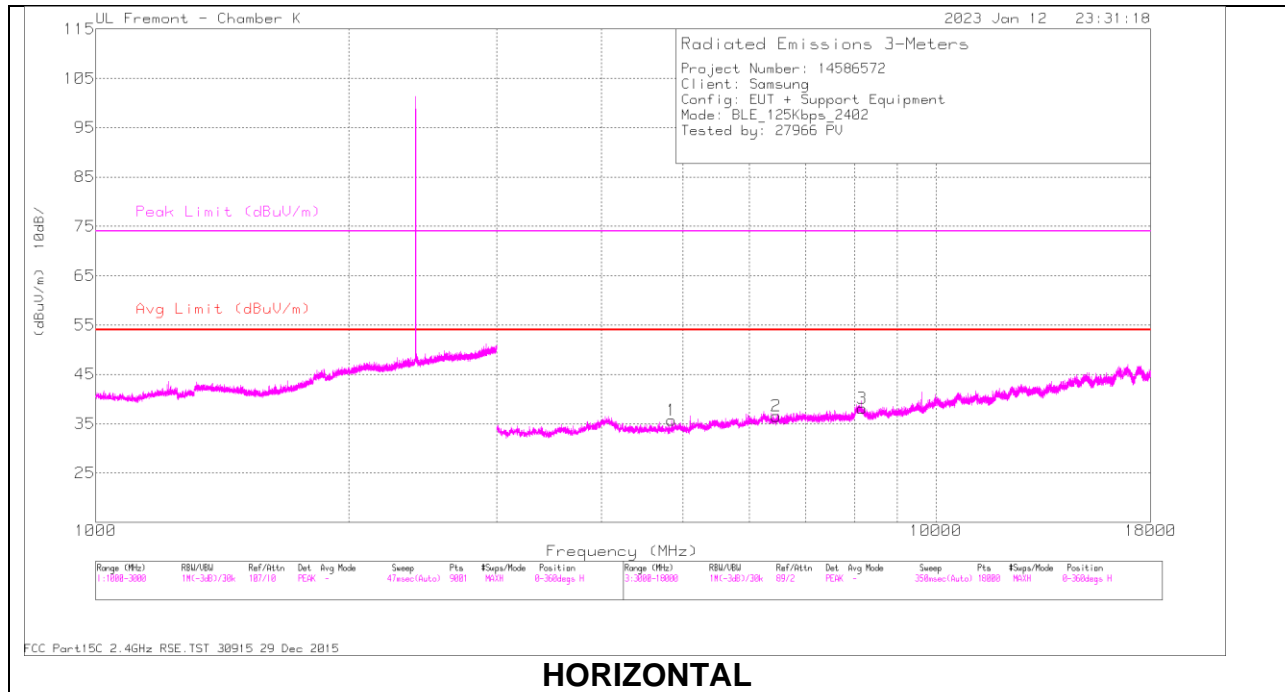


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	60.89	Pk	32.2	-34.5	0	58.59	-	-	74	-15.41	113	371	V
2	* 2483.719	63.48	Pk	32.2	-34.5	0	61.18	-	-	74	-12.82	113	371	V
3	* 2483.5	44.32	RMS	32.2	-34.5	.84	42.86	54	-11.14	-	-	113	371	V
4	* 2496.326	45.56	RMS	32.2	-34.4	.84	44.2	54	-9.8	-	-	113	371	V

* - indicates frequency in CFR47 Pt 15
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

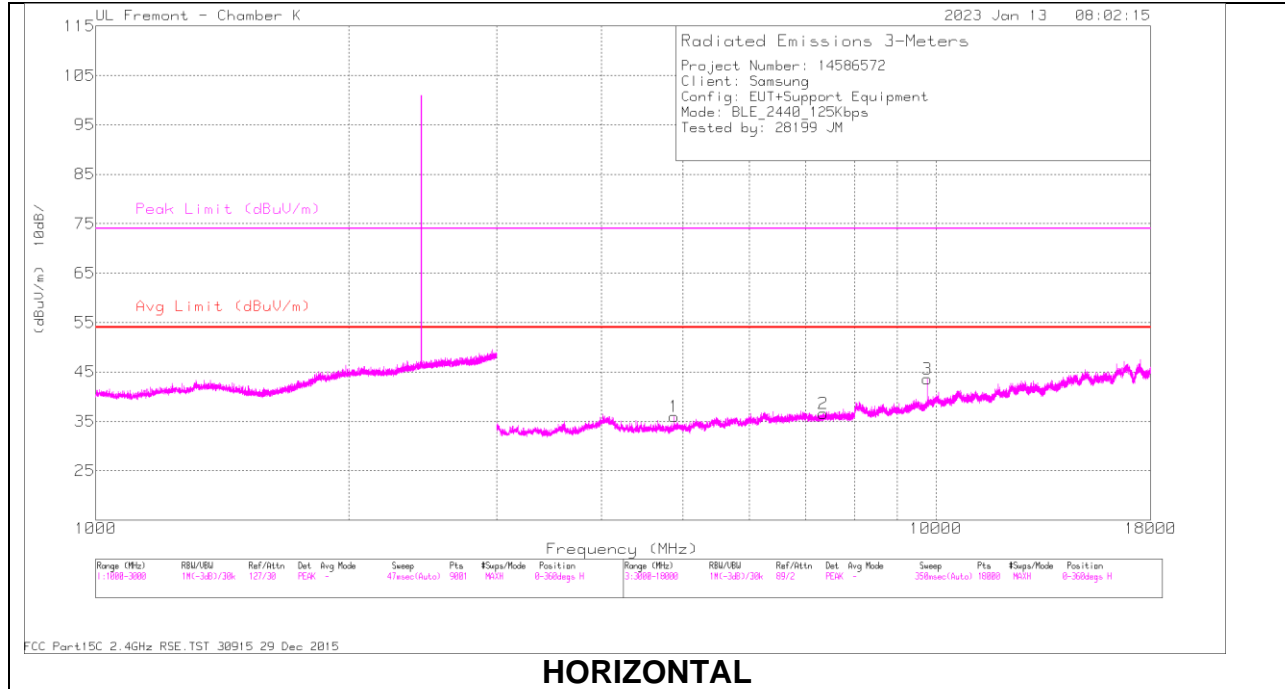


RADIATED EMISSIONS

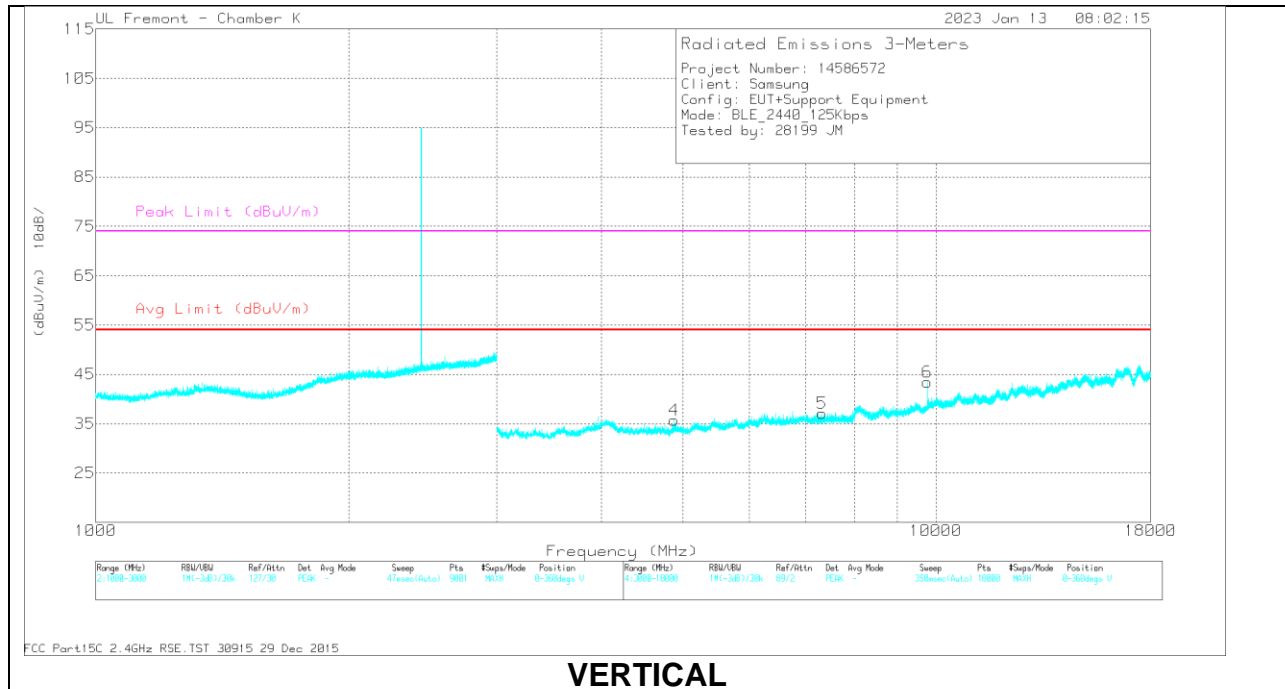
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4844.731	51.58	PK2	33.7	-40.3	0	44.98	-	-	74	-29.02	265	386	H
	* 4844.961	39.51	MAv1	33.7	-40.3	.84	33.75	54	-20.25	-	-	265	386	H
2	6451.742	49.67	PK2	35.4	-38.9	0	46.17	-	-	-	-	137	277	H
	6453.906	38.18	MAv1	35.4	-38.9	.84	35.52	-	-	-	-	137	277	H
3	* 8173.381	49.69	PK2	35.9	-37.5	0	48.09	-	-	74	-25.91	212	283	H
	* 8173.246	38.17	MAv1	35.9	-37.6	.84	37.31	54	-16.69	-	-	212	283	H
4	* 4845.093	51.2	PK2	33.7	-40.4	0	44.5	-	-	74	-29.5	188	223	V
	* 4844.905	39.57	MAv1	33.7	-40.3	.84	33.81	54	-20.19	-	-	188	223	V
5	6446.697	50.46	PK2	35.4	-39	0	46.86	-	-	-	-	34	181	V
	6443.506	38.1	MAv1	35.4	-39	.84	35.34	-	-	-	-	34	181	V
6	* 8147.892	50.05	PK2	35.9	-37.5	0	48.45	-	-	74	-25.55	95	268	V
	* 8150.017	38.47	MAv1	35.9	-37.6	.84	37.61	54	-16.39	-	-	95	268	V

* - indicates frequency in CFR47 Pt 15
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



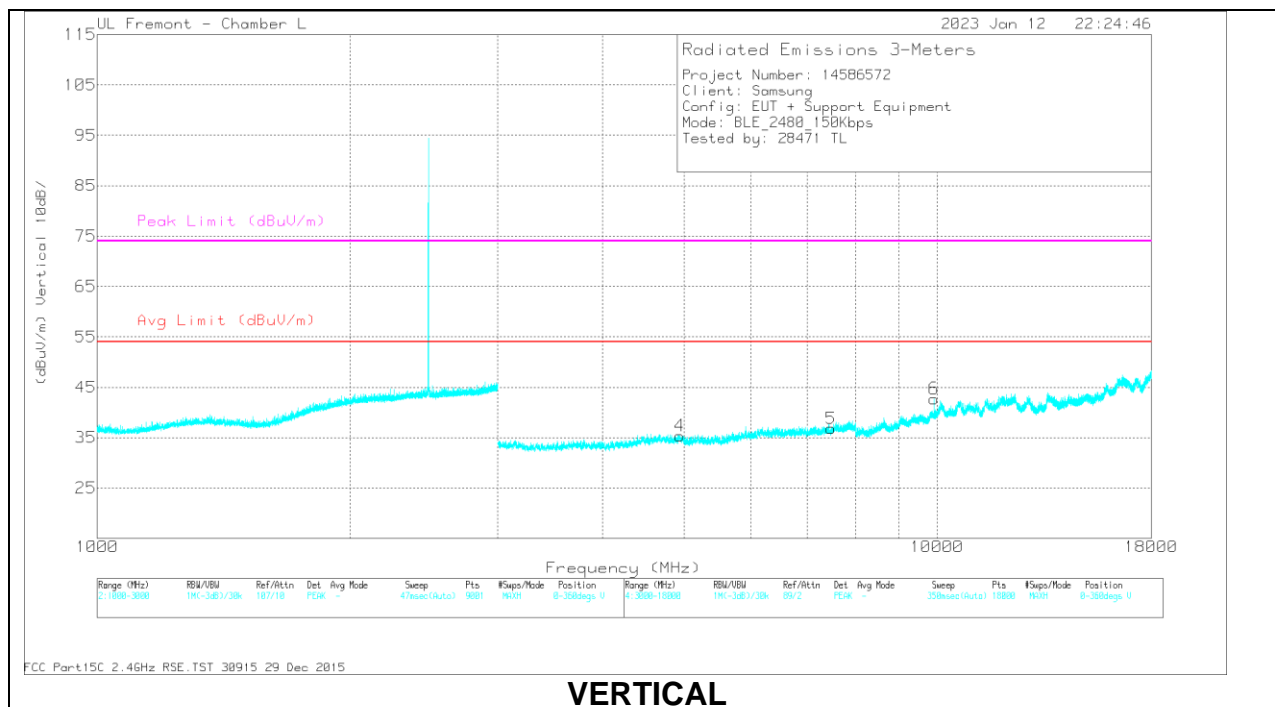
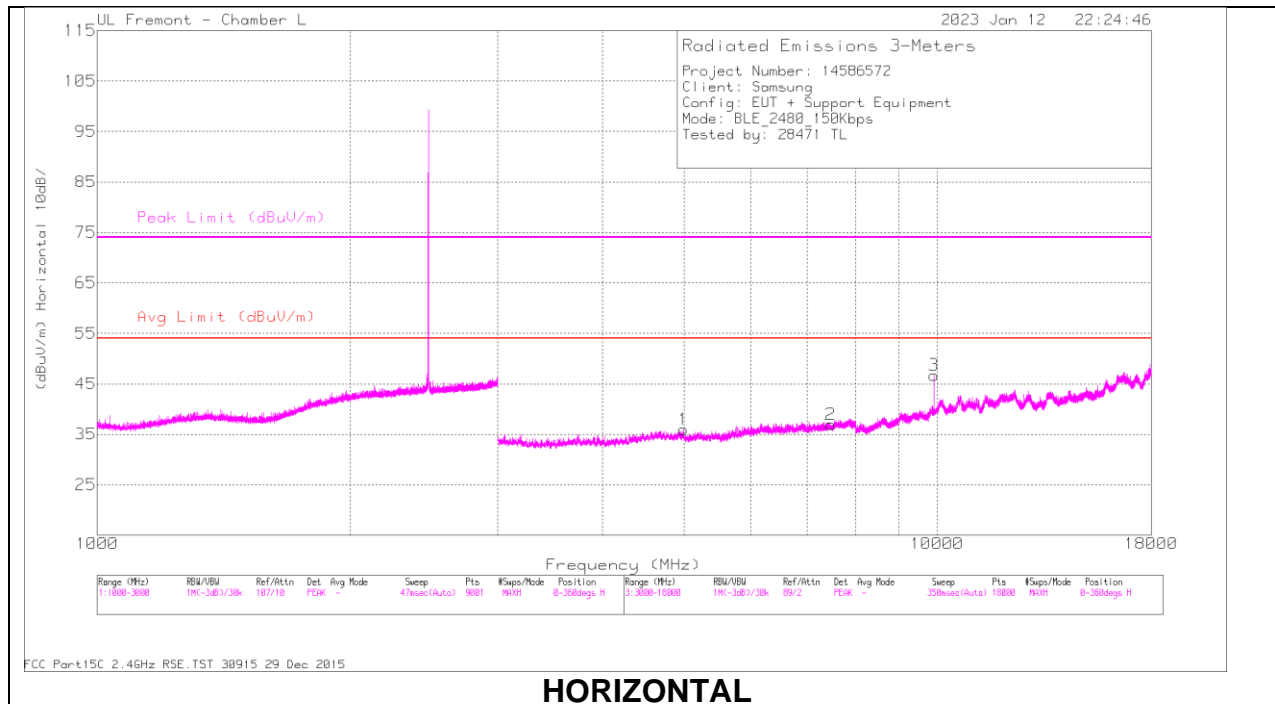
VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4879.903	78.52	PK2	33.7	-40.4	0	71.82	-	-	74	-2.18	15	366	H
	* 4879.928	40.15	MAv1	33.7	-40.4	.84	34.29	54	-19.71	-	-	15	366	H
2	* 7342.999	48.6	PK2	35.7	-37.8	0	46.5	-	-	74	-27.5	351	168	H
	* 7339.694	36.96	MAv1	35.7	-37.8	.84	35.7	54	-18.3	-	-	351	168	H
3	9760.04	48.95	PK2	36.9	-36.3	0	49.55	-	-	-	-	227	400	H
	9760.032	37.25	MAv1	36.9	-36.3	.84	38.69	-	-	-	-	227	400	H
4	* 4880.039	51.59	PK2	33.7	-40.4	0	44.89	-	-	74	-29.11	217	329	V
	* 4879.687	40.2	MAv1	33.7	-40.4	.84	34.34	54	-19.66	-	-	217	329	V
5	* 7318.031	48.56	PK2	35.7	-38	0	46.26	-	-	74	-27.74	249	314	V
	* 7319.89	37.07	MAv1	35.7	-38	.84	35.61	54	-18.39	-	-	249	314	V
6	9760.807	48.63	PK2	36.9	-36.4	0	49.13	-	-	-	-	196	278	V
	9759.967	37.55	MAv1	36.9	-36.3	.84	38.99	-	-	-	-	196	278	V

* - indicates frequency in CFR47 Pt 15
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

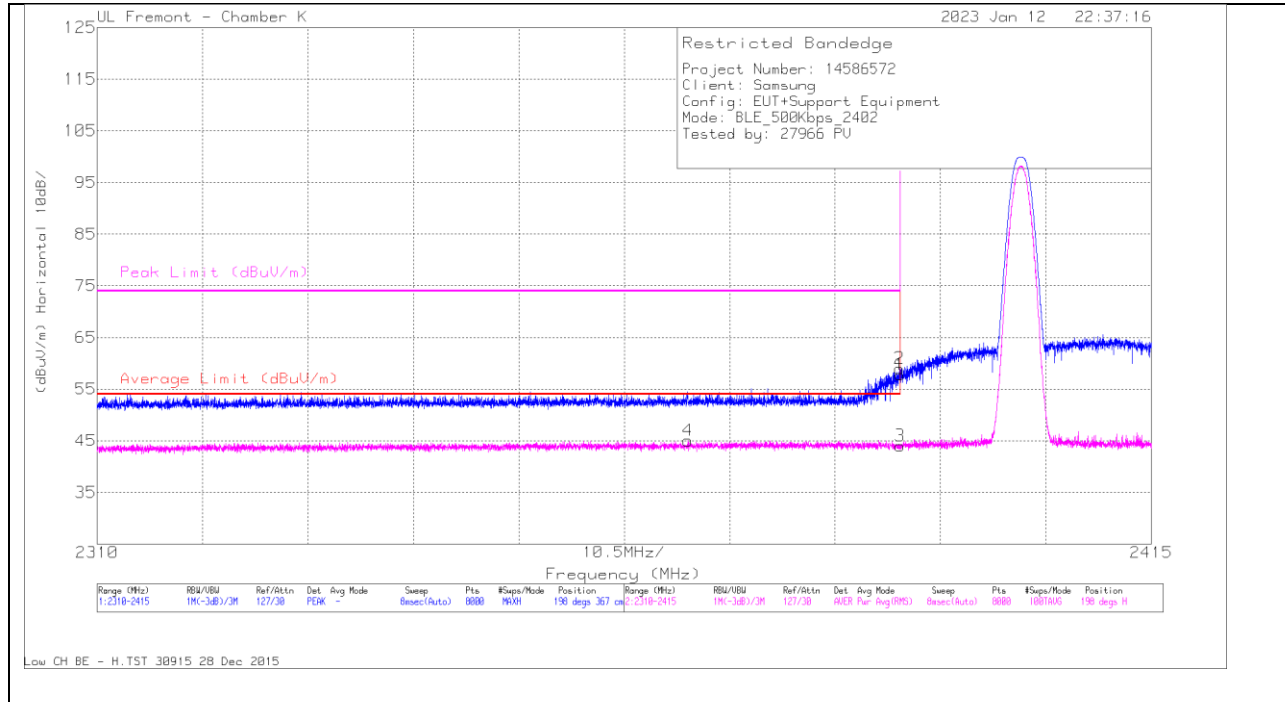
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Horn 1mH	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4989.987	37.11	PK2	34.4	-25.9	0	45.61	-	-	74	-28.39	96	160	H
	* 4977.774	25.4	MAv1	34.4	-25.7	.84	34.94	54	-19.06	-	-	96	160	H
2	* 7486.859	34.24	PK2	36	-22.8	0	47.44	-	-	74	-26.56	7	104	H
	* 7473.69	22.81	MAv1	36	-22.7	.84	36.95	54	-17.05	-	-	7	104	H
3	9919.745	34.49	PK2	37.9	-18.9	0	53.49	-	-	-	-	174	116	H
	9920.008	25.88	MAv1	37.9	-18.9	.84	45.72	-	-	-	-	174	116	H
4	* 4959.678	25.19	MAv1	34.4	-25.4	.84	35.03	54	-18.97	-	-	270	102	V
	* 4976.984	36.54	PK2	34.4	-25.7	0	45.24	-	-	74	-28.76	270	102	V
6	9919.883	21.12	MAv1	37.9	-18.9	.84	40.96	-	-	-	-	282	168	V
	9950.194	31.72	PK2	37.9	-19	0	50.62	-	-	-	-	282	168	V
5	* 7489.117	34.33	PK2	36	-22.8	0	47.53	-	-	74	-26.47	290	109	V
	* 7487.931	22.96	MAv1	36	-22.8	.84	37	54	-17	-	-	290	109	V

* - indicates frequency in CFR47 Pt 15
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.4. BLE (500Kbps)

BANDEDGE (LOW CHANNEL)

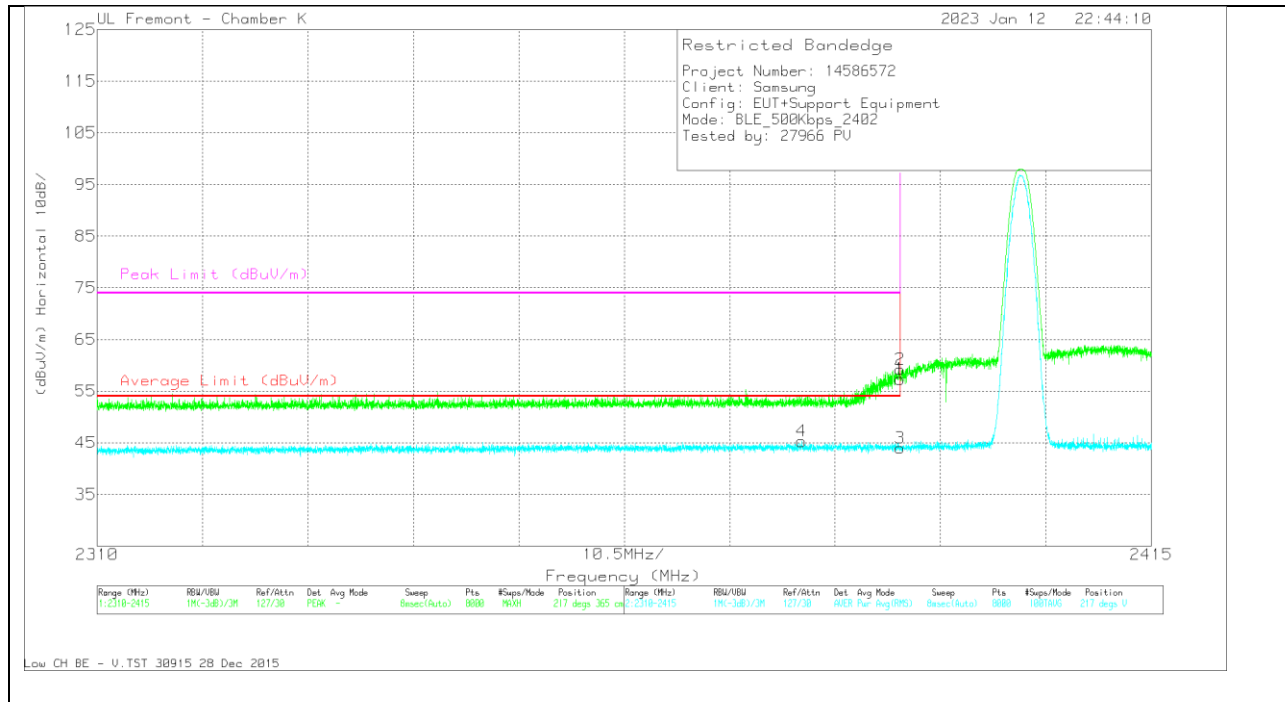
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	60.9	Pk	31.8	-34.9	0	57.8	-	-	74	-16.2	198	367	H
2	* 2389.904	62.08	Pk	31.8	-34.9	0	58.98	-	-	74	-15.02	198	367	H
3	* 2390	44.62	RMS	31.8	-34.9	2.48	44	54	-10	-	-	198	367	H
4	* 2368.861	45.76	RMS	31.7	-34.9	2.48	45.04	54	-8.96	-	-	198	367	H

* - indicates frequency in CFR47 Pt 15
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT

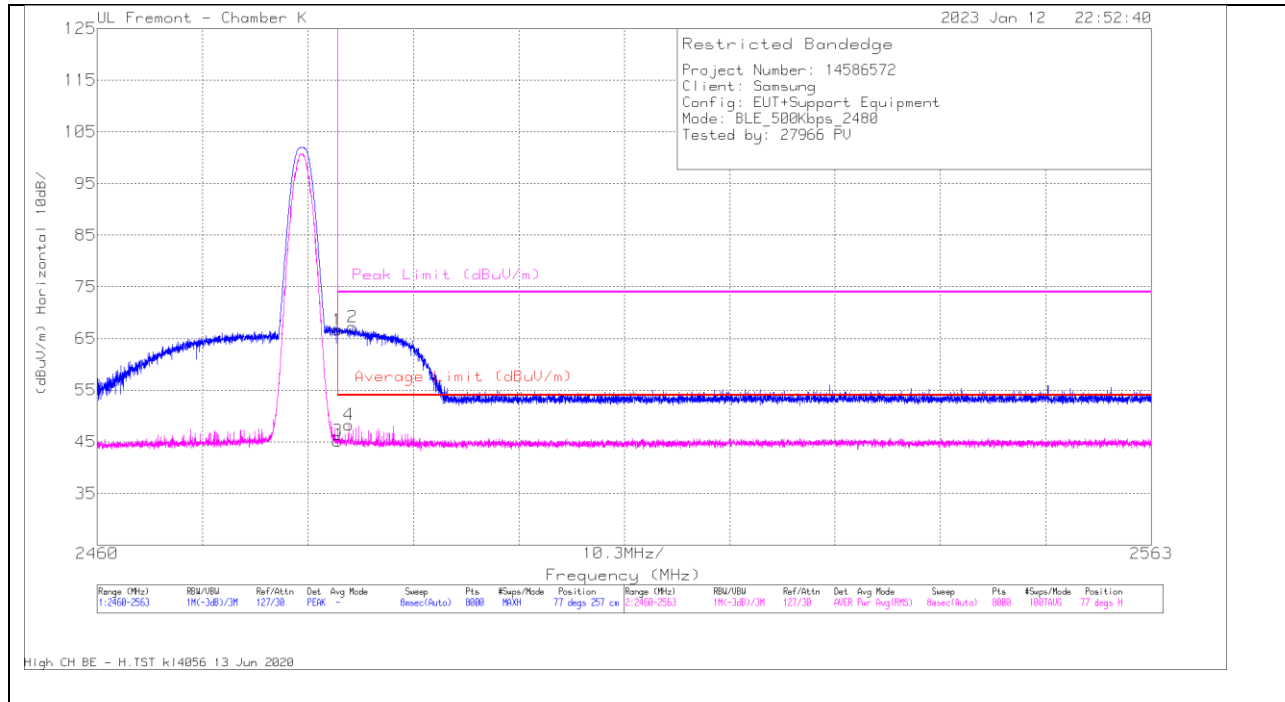


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	60.43	Pk	31.8	-34.9	0	57.33	-	-	74	-16.67	217	365	V
2	* 2389.983	62.29	Pk	31.8	-34.9	0	59.19	-	-	74	-14.81	217	365	V
3	* 2390	44.58	RMS	31.8	-34.9	2.48	43.96	54	-10.04	-	-	217	365	V
4	* 2380.164	45.9	RMS	31.8	-34.9	2.48	45.28	54	-8.72	-	-	217	365	V

* - indicates frequency in CFR47 Pt 15
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

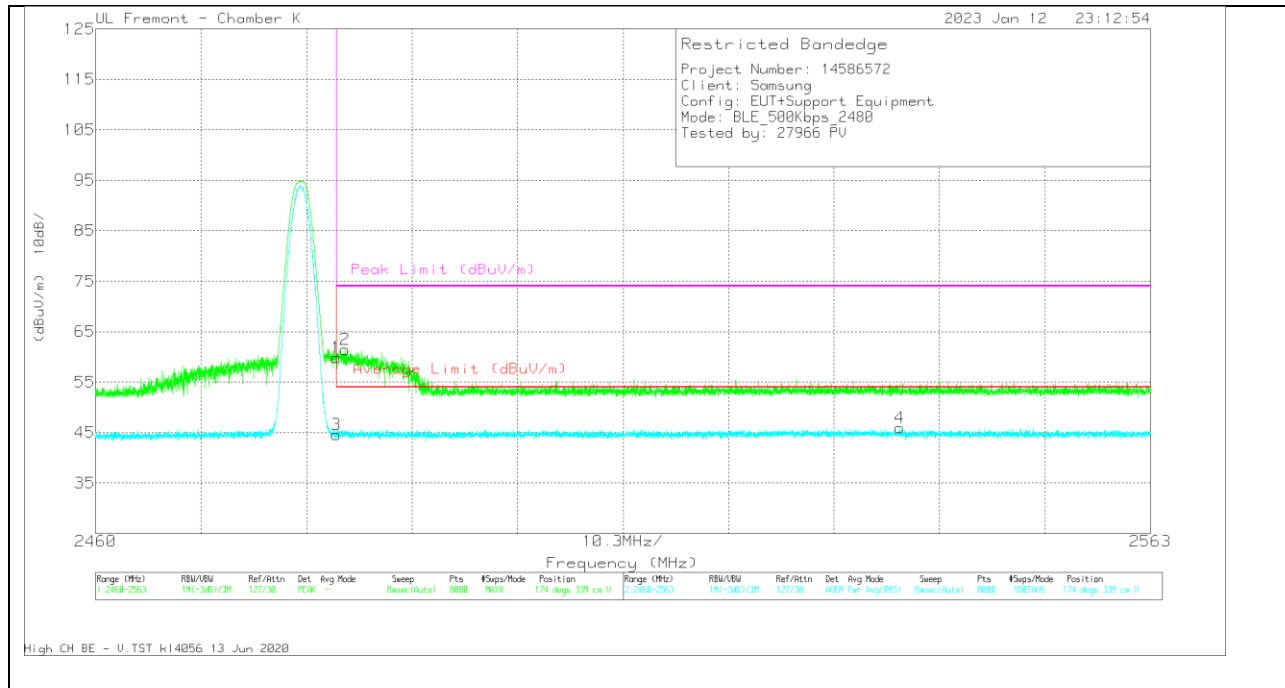
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Marg in (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	68.92	Pk	32.2	-34.5	0	66.62	-	-	74	-7.38	77	257	H
2	* 2484.969	69.55	Pk	32.2	-34.5	0	67.25	-	-	74	-6.75	77	257	H
3	* 2483.5	44.97	RMS	32.2	-34.5	2.48	45.15	54	-8.85	-	-	77	257	H
4	* 2484.582	48.1	RMS	32.2	-34.5	2.48	48.28	54	-5.72	-	-	77	257	H

* - indicates frequency in CFR47 Pt 15
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT

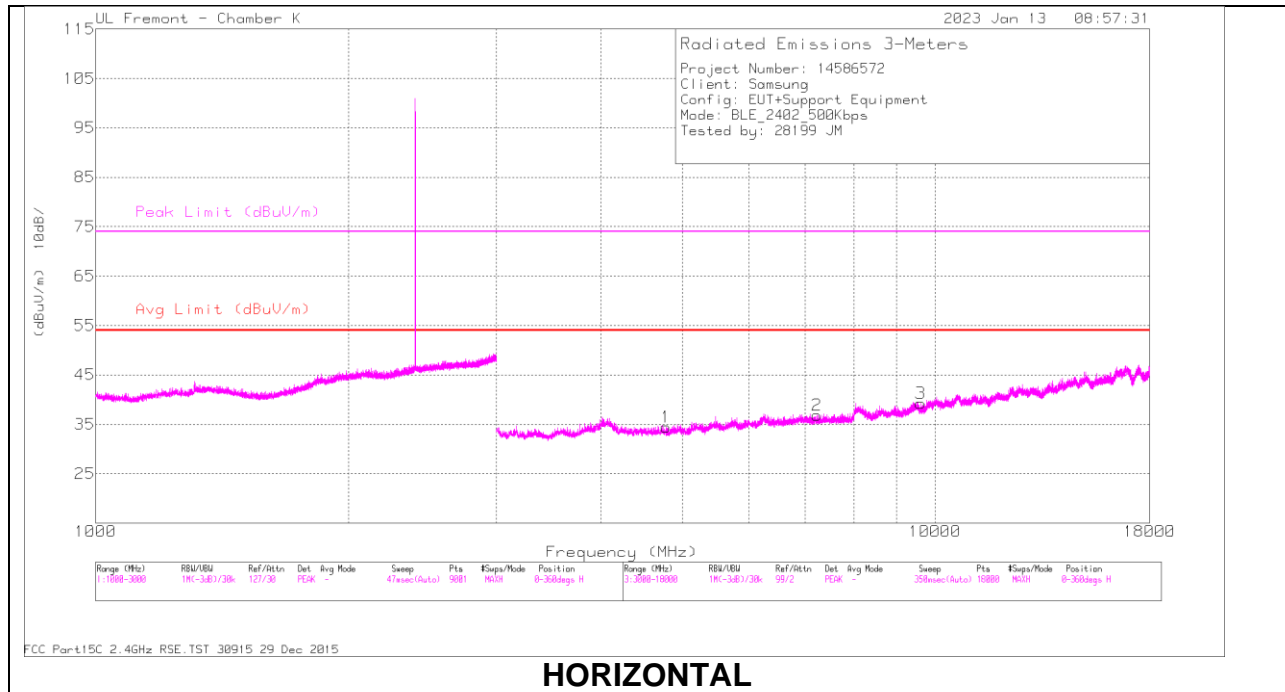


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	DCCF (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/m)	Marg in (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azim uth (Degs)	Heig ht (cm)	Polari ty
1	* 2483.5	62.17	Pk	32.2	-34.5	0	59.87	-	-	74	-14.13	174	339	V
2	* 2484.363	63.76	Pk	32.2	-34.5	0	61.46	-	-	74	-12.54	174	339	V
3	* 2483.5	44.36	RMS	32.2	-34.5	2.48	44.54	54	-9.46	-	-	174	339	V
4	2538.498	45.62	RMS	32.2	-34.3	2.48	46	54	-8	-	-	174	339	V

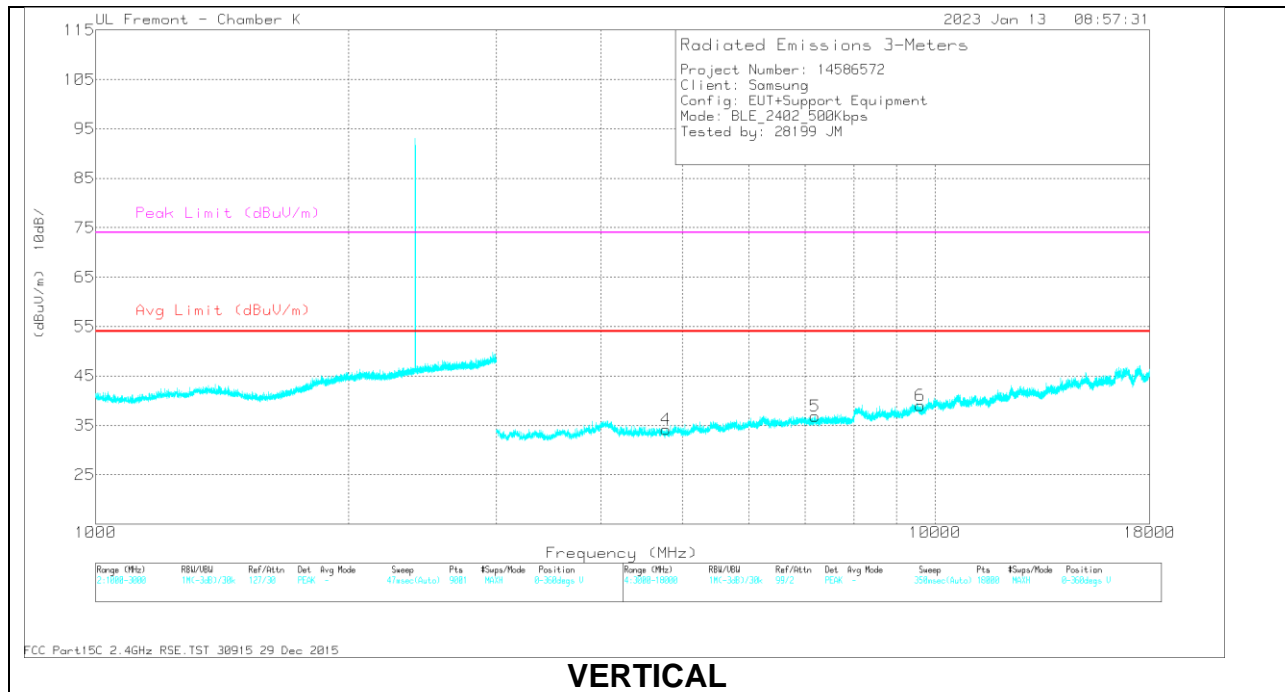
* - indicates frequency in CFR47 Pt 15
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



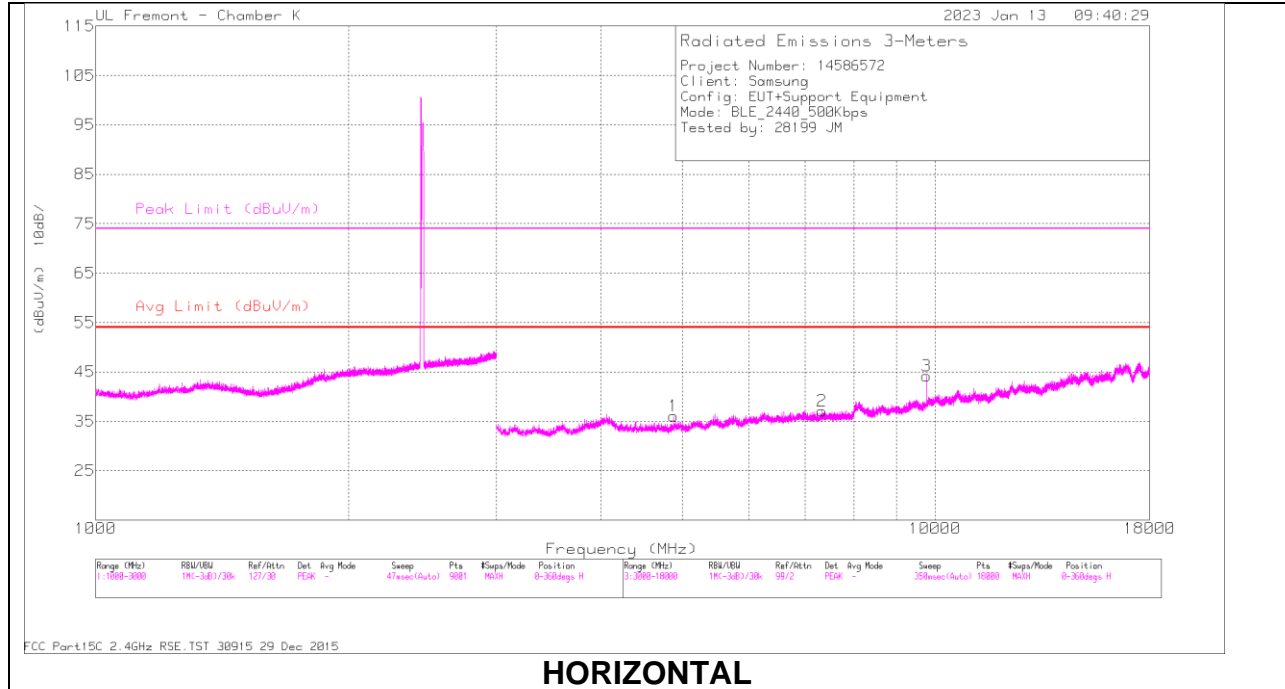
VERTICAL

RADIATED EMISSIONS

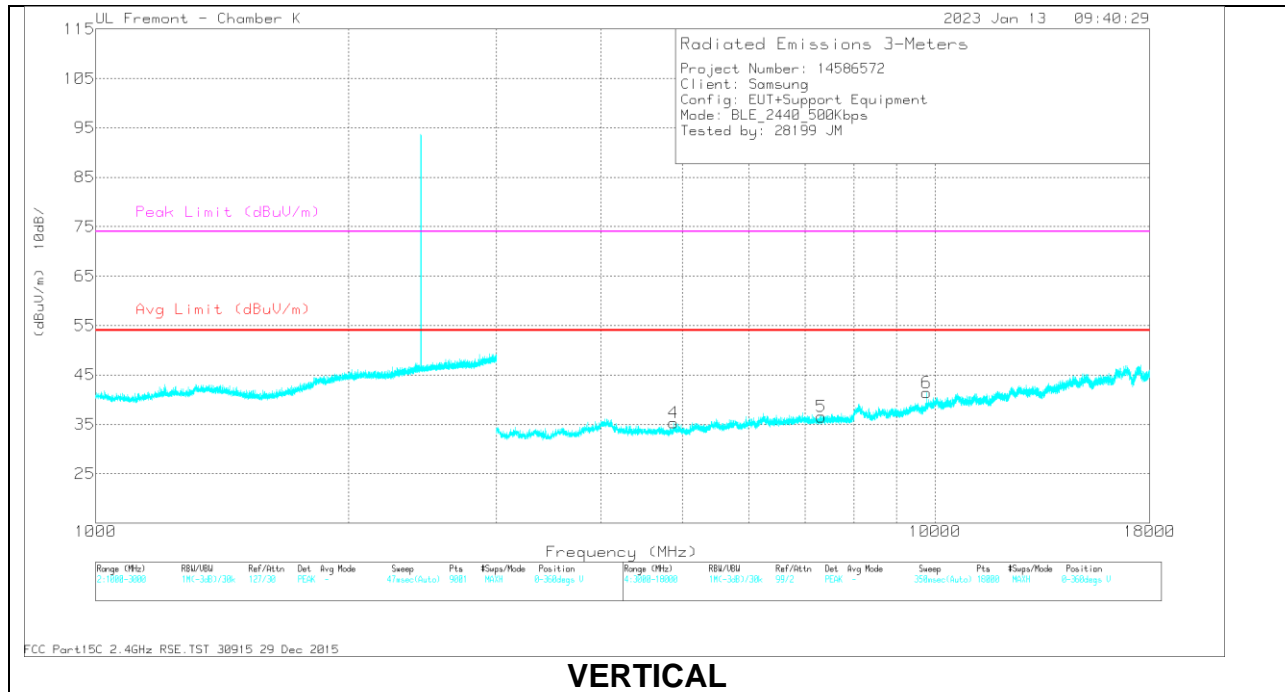
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4783.065	50.84	PK2	33.7	-40.5	0	44.04	-	-	74	-29.96	344	249	H
	* 4785.193	39.48	MAv1	33.7	-40.6	2.48	35.06	54	-18.94	-	-	344	249	H
2	7225.84	49.13	PK2	35.7	-38.2	0	46.63	-	-	-	-	221	179	H
	7226.158	37.07	MAv1	35.7	-38.2	2.48	37.05	-	-	-	-	221	179	H
3	9608.505	47.79	PK2	36.7	-36.2	0	48.29	-	-	-	-	107	324	H
	9607.879	36.56	MAv1	36.7	-36.2	2.48	39.54	-	-	-	-	107	324	H
4	* 4778.365	51.14	PK2	33.7	-40.7	0	44.14	-	-	74	-29.86	78	310	V
	* 4776.672	39.35	MAv1	33.7	-40.6	2.48	34.93	54	-19.07	-	-	78	310	V
5	7192.455	49.65	PK2	35.8	-38.2	0	47.25	-	-	-	-	268	360	V
	7194.532	37.32	MAv1	35.8	-38.3	2.48	37.3	-	-	-	-	268	360	V
6	9598.708	48.12	PK2	36.7	-36.2	0	48.62	-	-	-	-	269	208	V
	9599.451	36.34	MAv1	36.7	-36.2	2.48	39.32	-	-	-	-	269	208	V

* - indicates frequency in CFR47 Pt 15
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



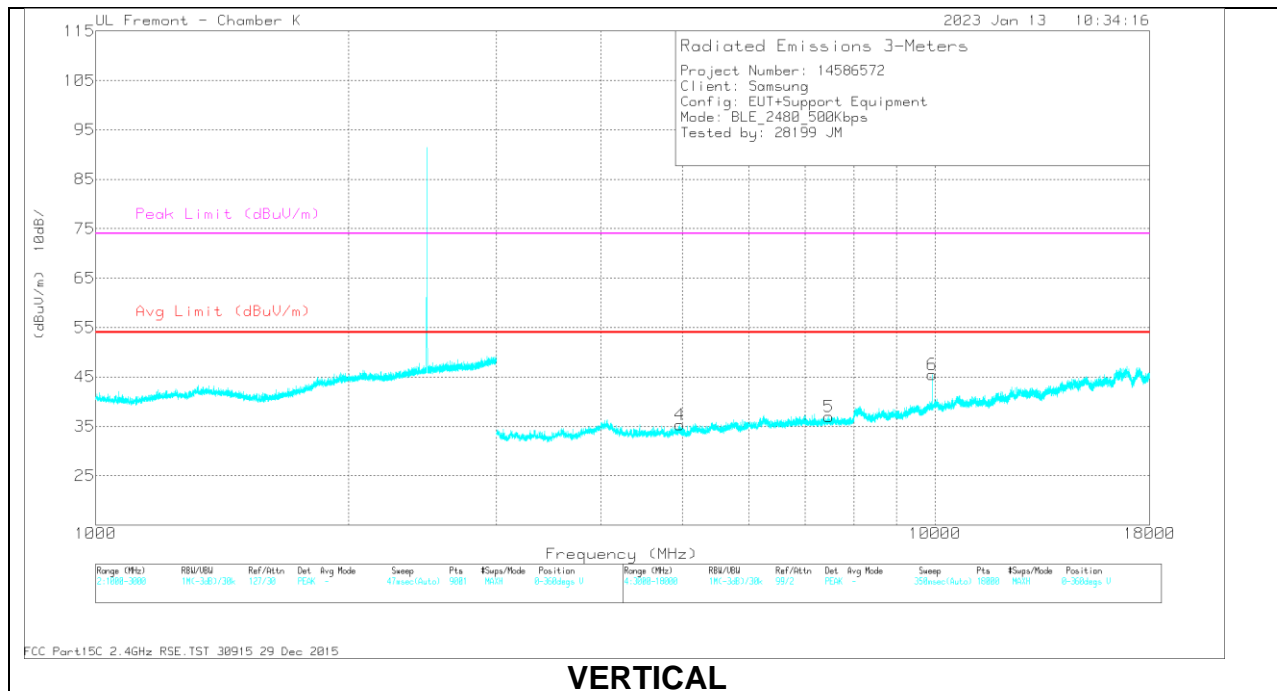
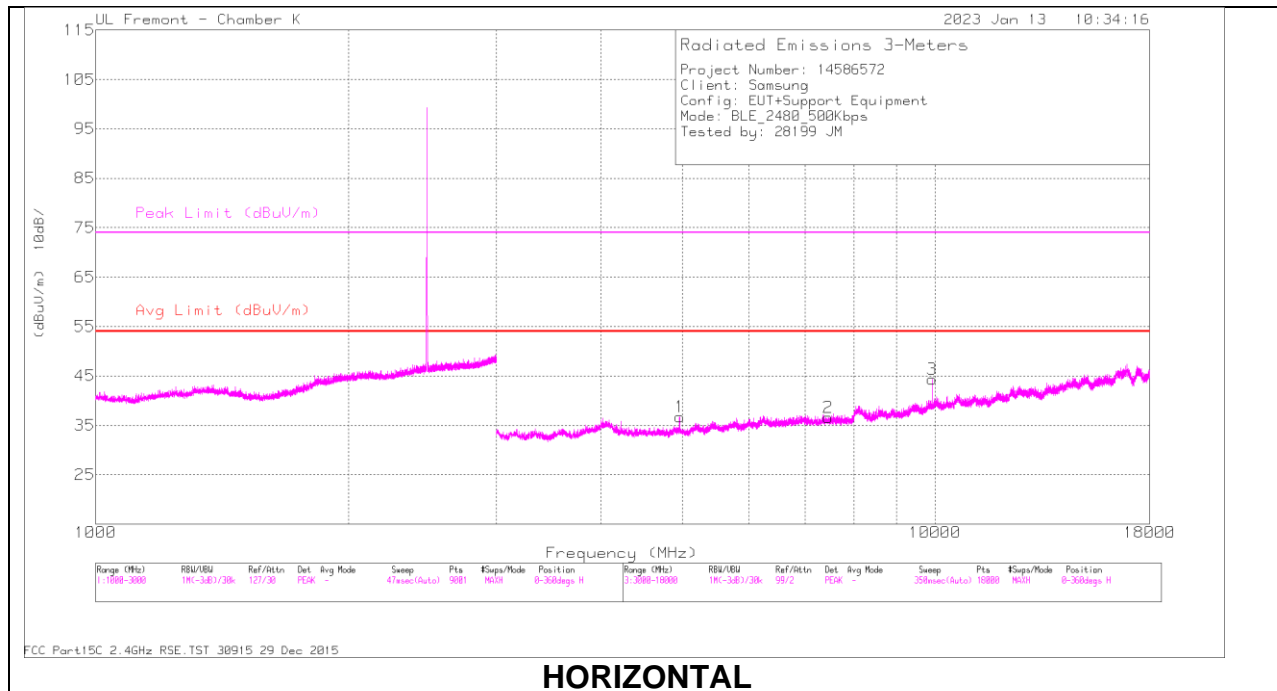
VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4879.778	52.37	PK2	33.7	-40.4	0	45.67	-	-	74	-28.33	75	123	H
	* 4879.522	40.92	MAv1	33.7	-40.4	2.48	36.7	54	-17.3	-	-	75	123	H
2	* 7332.704	48.95	PK2	35.7	-37.9	0	46.75	-	-	74	-27.25	360	329	H
	* 7333.626	36.95	MAv1	35.7	-37.9	2.48	37.23	54	-16.77	-	-	360	329	H
3	9760.193	51.72	PK2	36.9	-36.3	0	52.32	-	-	-	-	126	111	H
	9760.108	41.67	MAv1	36.9	-36.3	2.48	44.75	-	-	-	-	126	111	H
4	* 4879.718	60.86	PK2	33.7	-40.4	0	54.16	-	-	74	-19.84	235	183	V
	* 4880.266	39.74	MAv1	33.7	-40.4	2.48	35.52	54	-18.48	-	-	235	183	V
5	* 7316.215	48.76	PK2	35.7	-37.9	0	46.56	-	-	74	-27.44	161	106	V
	* 7316.556	36.99	MAv1	35.7	-37.9	2.48	37.27	54	-16.73	-	-	161	106	V
6	9760.033	48.78	PK2	36.9	-36.3	0	49.38	-	-	-	-	342	187	V
	9759.86	37.65	MAv1	36.9	-36.3	2.48	40.73	-	-	-	-	342	187	V

* - indicates frequency in CFR47 Pt 15
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



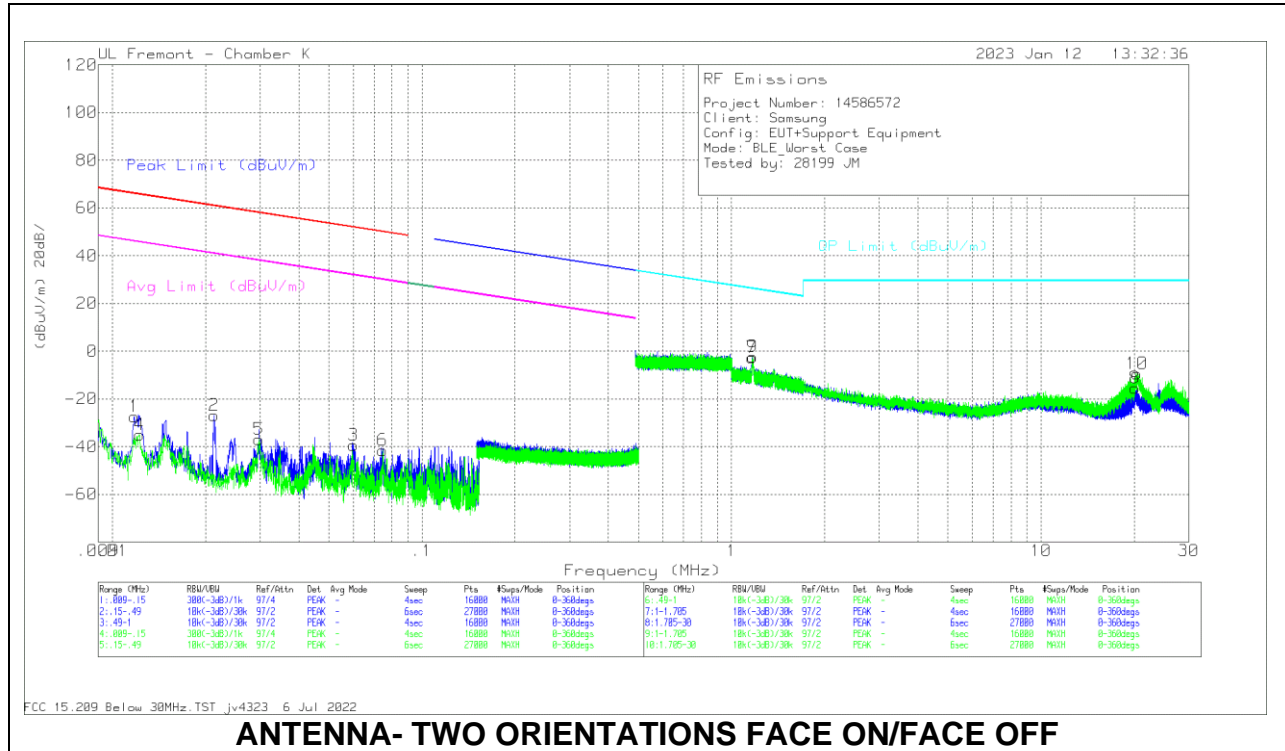
RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4959.583	52.53	PK2	33.7	-40.4	0	45.83	-	-	74	-28.17	90	158	H
	* 4960.157	41.62	MAv1	33.7	-40.4	2.48	37.4	54	-16.6	-	-	90	158	H
2	* 7455.169	49.27	PK2	35.7	-37.8	0	47.17	-	-	74	-26.83	24	358	H
	* 7455.048	37.01	MAv1	35.7	-37.8	2.48	37.39	54	-16.61	-	-	24	358	H
3	9920.113	52.39	PK2	37.1	-36.1	0	53.39	-	-	-	-	134	127	H
	9920.093	42.97	MAv1	37.1	-36.1	2.48	46.45	-	-	-	-	134	127	H
4	* 4959.483	51.31	PK2	33.7	-40.4	0	44.61	-	-	74	-29.39	294	131	V
	* 4959.276	39.58	MAv1	33.7	-40.4	2.48	35.36	54	-18.64	-	-	294	131	V
5	* 7475.292	48.42	PK2	35.7	-37.6	0	46.52	-	-	74	-27.48	3	159	V
	* 7475.249	36.86	MAv1	35.7	-37.6	2.48	37.44	54	-16.56	-	-	3	159	V
6	9919.901	48.84	PK2	37.1	-36.1	0	49.84	-	-	-	-	189	169	V
	9920.078	37.77	MAv1	37.1	-36.1	2.48	41.25	-	-	-	-	189	169	V

* - indicates frequency in CFR47 Pt 15
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.3. WORST CASE BELOW 30 MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



ANTENNA- TWO ORIENTATIONS FACE ON/FACE OFF

Below 30MHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF)	Amp/Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity (Degs)
1	.0118	23.55	Pk	60.1	-31	-80	-27.35	66.17	-93.52	46.17	-73.52	0-360	0 deg
2	.0213	26.07	Pk	58.9	-31.9	-80	-26.93	61.02	-87.95	41.02	-67.95	0-360	0 deg
3	.0602	16.7	Pk	56.2	-32.2	-80	-39.3	52	-91.3	32	-71.3	0-360	0 deg
4	.0122	16.02	Pk	60	-31	-80	-34.98	65.84	-100.82	45.84	-80.82	0-360	90 degs
5	.0297	17.28	Pk	57.9	-32.1	-80	-36.92	58.12	-95.04	38.12	-75.04	0-360	90 degs
6	.0748	14.73	Pk	55.8	-32.2	-80	-41.67	50.11	-91.78	30.11	-71.78	0-360	90 degs

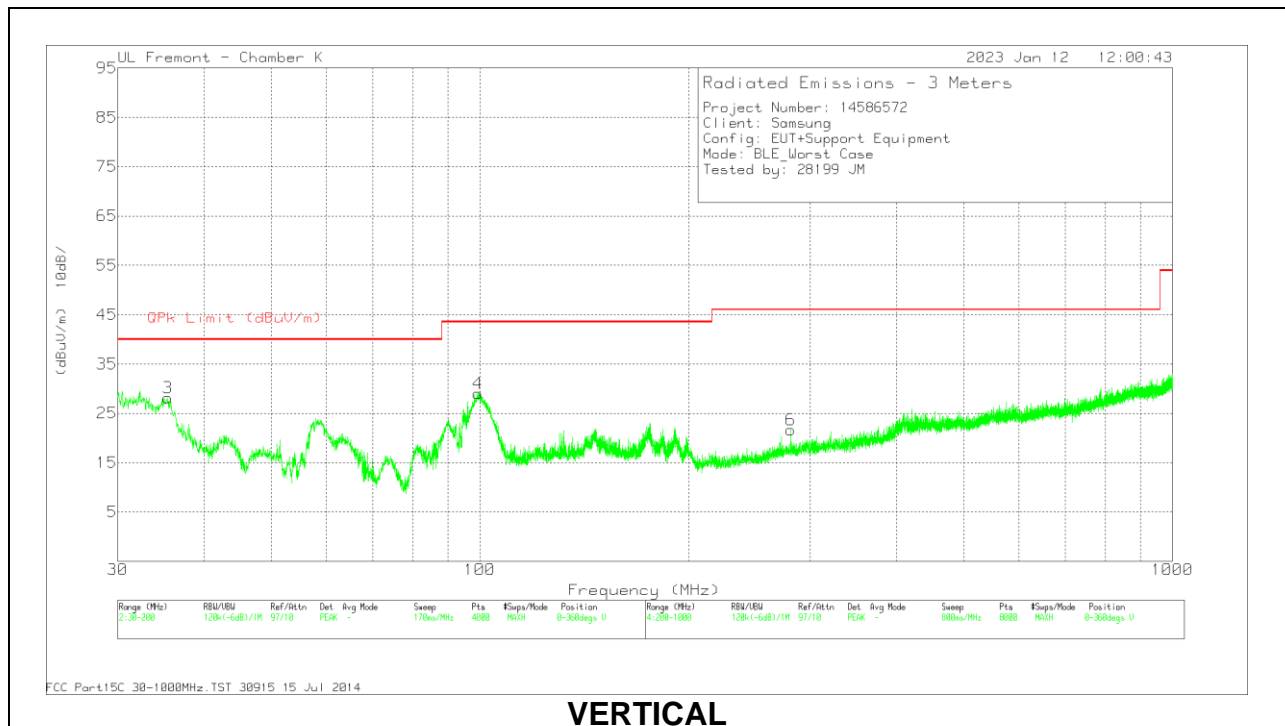
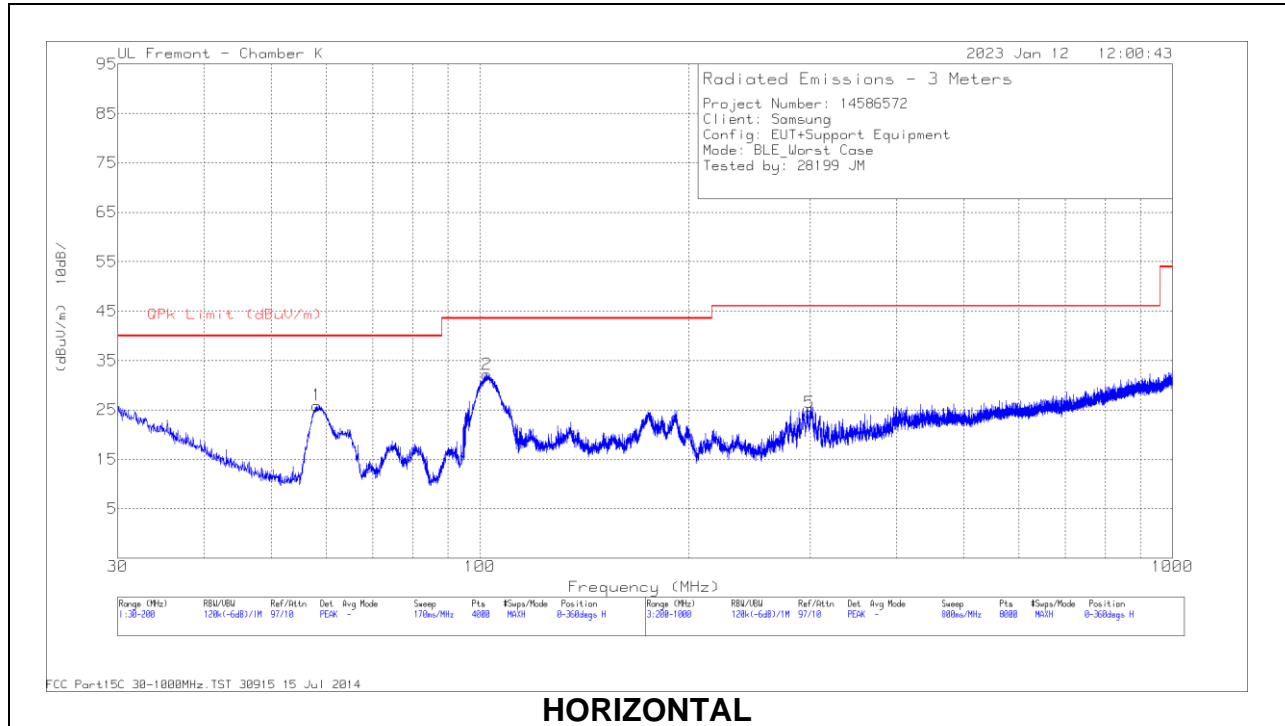
Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity (Degs)
7	1.1668	23.4	Pk	46	-32.1	-40	-2.7	26.29	-28.99	0-360	0 deg
8	20.133	21.98	Pk	34.2	-31.6	-40	-15.42	29.5	-44.92	0-360	0 deg
9	1.1702	23.82	Pk	46	-32.1	-40	-2.28	26.26	-28.54	0-360	90 degs
10	20.3783	27.84	Pk	34.2	-31.6	-40	-9.56	29.5	-39.06	0-360	90 degs

Pk - Peak detector

10.4. WORST CASE BELOW 1 GHz

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



Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Hybrid Antenna ACF(dB)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	58.1848	43.42	Pk	13.7	-31.2	25.92	40	-14.08	0-360	399	H
2	103.102	46.17	Pk	17.3	-30.9	32.57	43.52	-10.95	3	297	H
	102.459	41.54	Qp	17.1	-30.9	27.74	43.52	-15.78	3	297	H
3	35.4414	35.69	Pk	23.9	-31.5	28.09	40	-11.91	0-360	101	V
4	99.3354	43.83	Pk	16.1	-30.9	29.03	43.52	-14.49	0-360	101	V
5	299.513	34.22	Pk	20	-29.8	24.42	46.02	-21.6	0-360	101	H
6	* 281.211	31.68	Pk	19.8	-29.8	21.68	46.02	-24.34	0-360	299	V

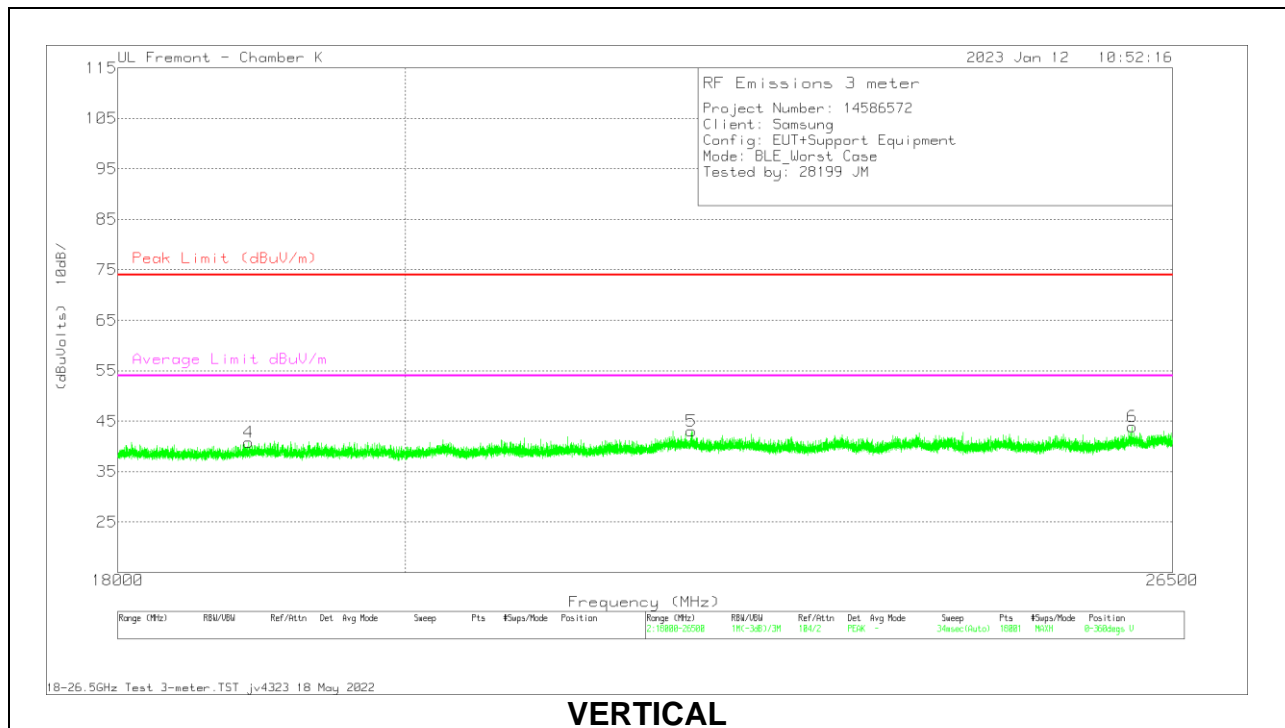
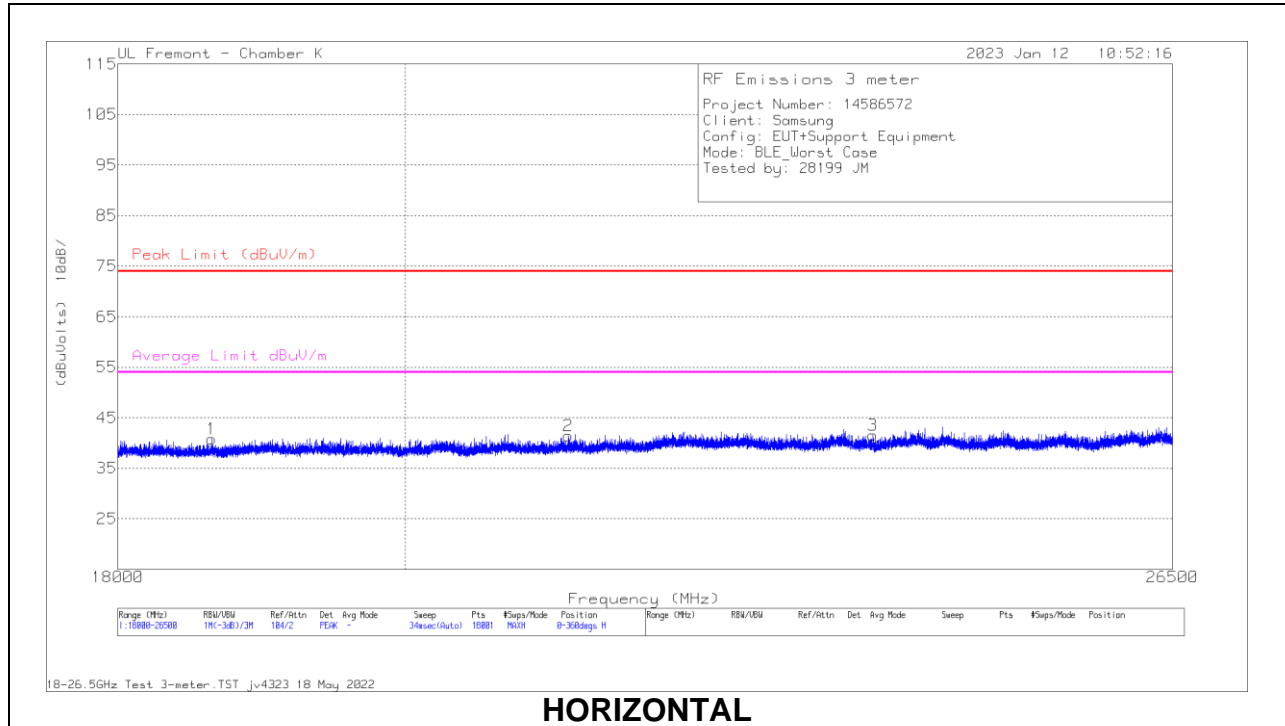
* - indicates frequency in CFR47 Pt 15

Pk - Peak detector

Qp - Quasi-Peak detector

10.5. WORST CASE 18-26 GHz

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



18 – 26GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	172364 AF (dB)	215705 amp/cbl (dB)	Cables (dB)	DCCF (dB)	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 18629	50.89	Pk	32.6	-60.6	17.9	0	40.79	74	-33.21	54	-13.21	0-360	199	H
2	* 21232.832	48.87	Pk	33.3	-59.8	19	0	41.37	74	-32.63	54	-12.63	0-360	101	H
3	* 23744.581	48.64	Pk	34	-61.2	20.1	0	41.54	74	-32.46	54	-12.46	0-360	101	H
4	* 18886.361	50.69	Pk	32.7	-60.6	18	0	40.79	74	-33.21	54	-13.21	0-360	199	V
5	* 22214.581	50.8	Pk	33.6	-60.8	19.4	0	43	74	-31	54	-11	0-360	101	V
6	26110.413	48.44	Pk	34.7	-60.6	21.3	0	43.84	74	-30.16	54	-10.16	0-360	101	V

* - indicates frequency in CFR47 Pt 15

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

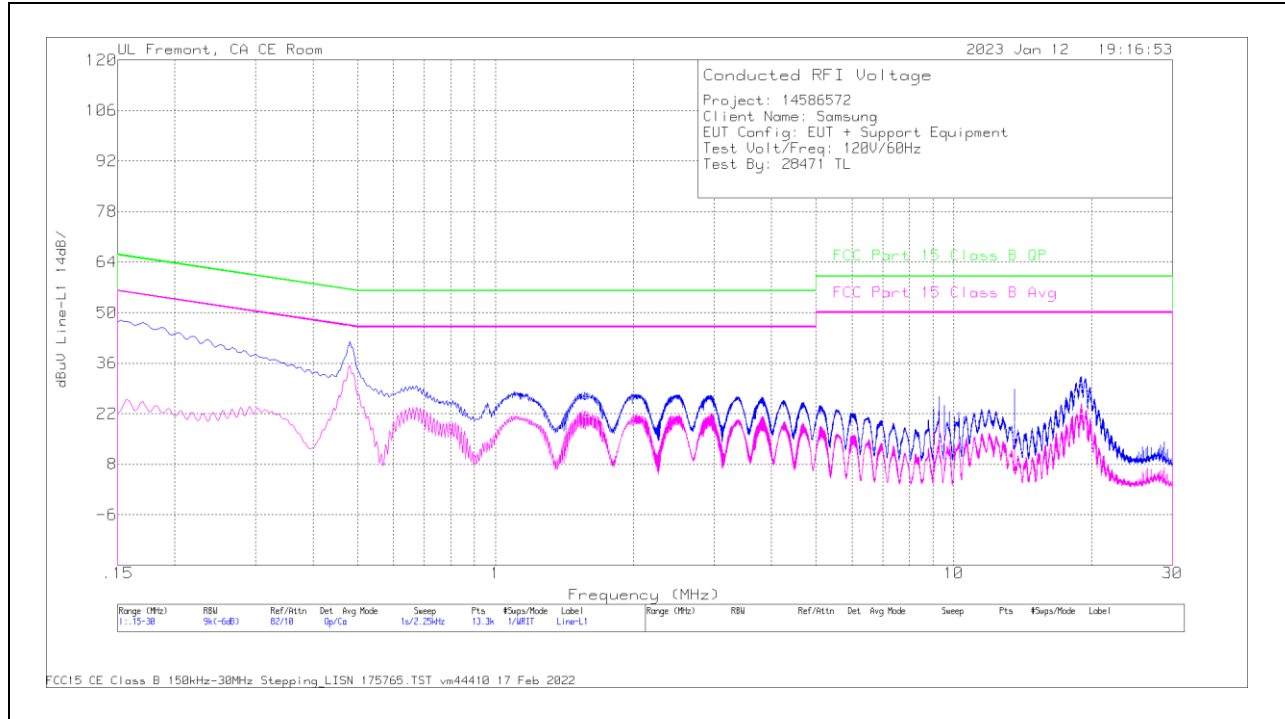
Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

RESULTS

AC Power Line Norm

LINE 1 RESULTS

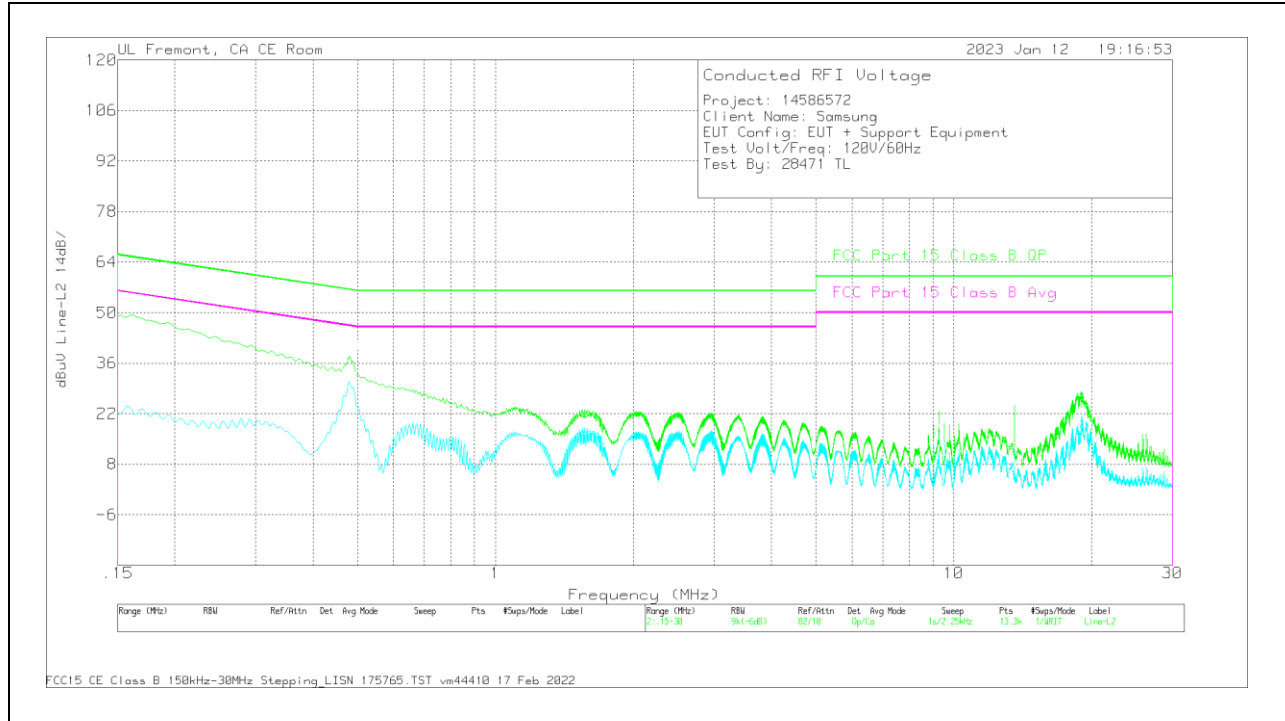


Trace Markers

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L1	C1&C3 cable path loss	207996 Limiter with short cabl	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)M argin (dB)
2	.4808	26.02	Ca	0	.1	9.3	35.42	-	-	46.33	-10.91
4	.9758	5.89	Ca	0	.1	9.3	15.29	-	-	46	-30.71
6	1.5878	13.15	Ca	0	.1	9.3	22.55	-	-	46	-23.45
8	9.3233	.83	Ca	.1	.2	9.3	10.43	-	-	50	-39.57
10	13.6545	-2.31	Ca	.1	.2	9.3	7.29	-	-	50	-42.71
12	19.0545	13.52	Ca	.1	.3	9.3	23.22	-	-	50	-26.78
1	.4808	32.64	Qp	0	.1	9.3	42.04	56.33	-14.29	-	-
3	.9623	15.64	Qp	0	.1	9.3	25.04	56	-30.96	-	-
5	1.5878	18.27	Qp	0	.1	9.3	27.67	56	-28.33	-	-
7	9.3233	6.94	Qp	.1	.2	9.3	16.54	60	-43.46	-	-
9	13.6455	5.37	Qp	.1	.2	9.3	14.97	60	-45.03	-	-
11	19.0545	20.55	Qp	.1	.3	9.3	30.25	60	-29.75	-	-

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	175765 LISN L2	C2&C3 cable path loss	207996 Limiter with short cabl	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)M argin (dB)
14	.4785	21.55	Ca	0	.1	9.3	30.95	-	-	46.37	-15.42
16	.9645	2.27	Ca	0	.1	9.3	11.67	-	-	46	-34.33
18	1.5765	8.5	Ca	0	.1	9.3	17.9	-	-	46	-28.1
20	9.2625	-.29	Ca	0	.2	9.3	9.21	-	-	50	-40.79
22	13.4835	-3.55	Ca	.1	.2	9.3	6.05	-	-	50	-43.95
24	19.3718	8.36	Ca	.1	.3	9.3	18.06	-	-	50	-31.94
13	.4808	28.54	Qp	0	.1	9.3	37.94	56.33	-18.39	-	-
15	.951	13.19	Qp	0	.1	9.3	22.59	56	-33.41	-	-
17	1.5765	13.64	Qp	0	.1	9.3	23.04	56	-32.96	-	-
19	9.276	5.13	Qp	0	.2	9.3	14.63	60	-45.37	-	-
21	13.4813	2.69	Qp	.1	.2	9.3	12.29	60	-47.71	-	-
23	19.3605	15.99	Qp	.1	.3	9.3	25.69	60	-34.31	-	-

Qp - Quasi-Peak detector
 Ca - CISPR average detection