

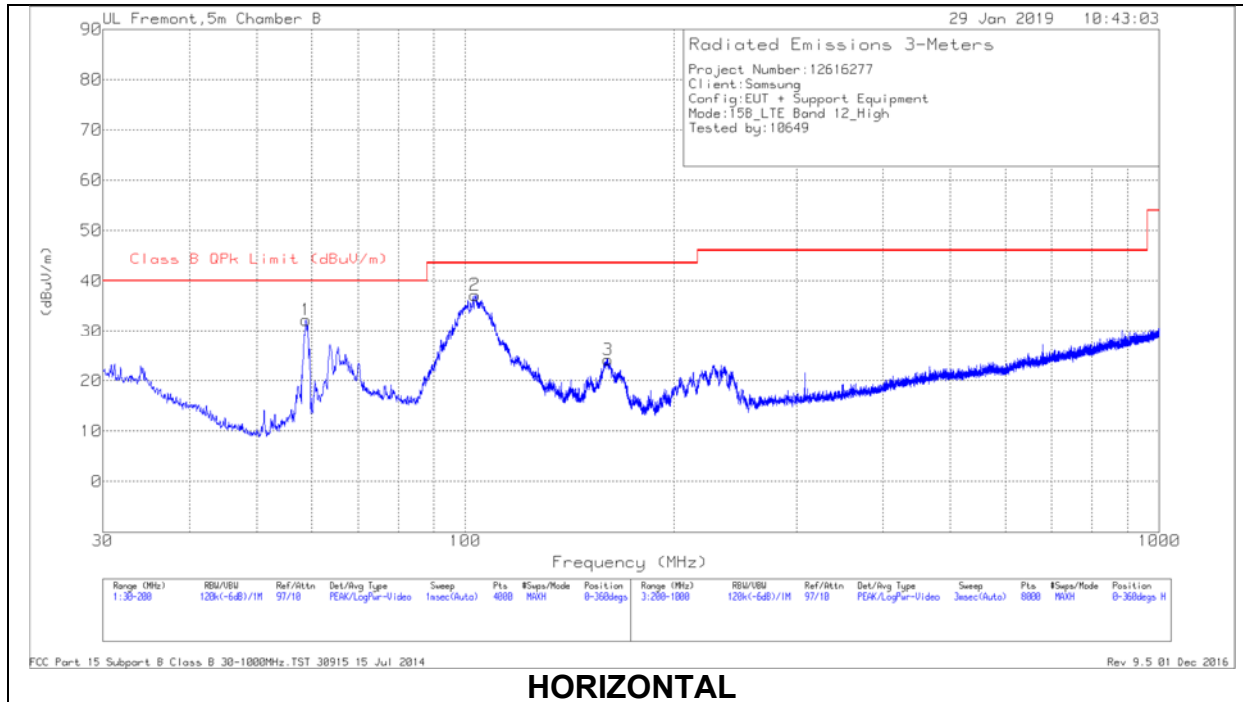
# 11. APPENDIX A: PRE-SCAN DATA FOR 15B RECEIVER MODE

## 11.1. SM-G975N (GLASS)

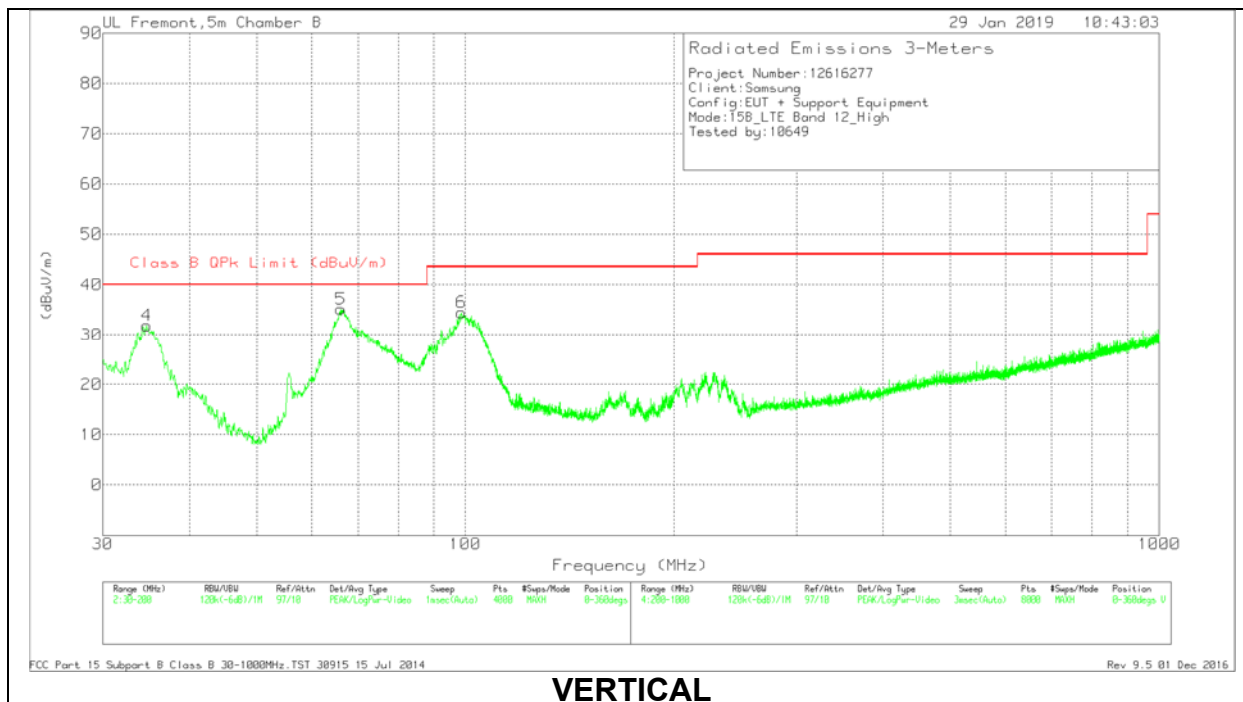
### 11.1.1. LTE Band 12

#### BELOW 1GHz

#### HIGH CHANNEL(744.5MHz)



**HORIZONTAL**



**VERTICAL**

### RADIATED EMISSIONS

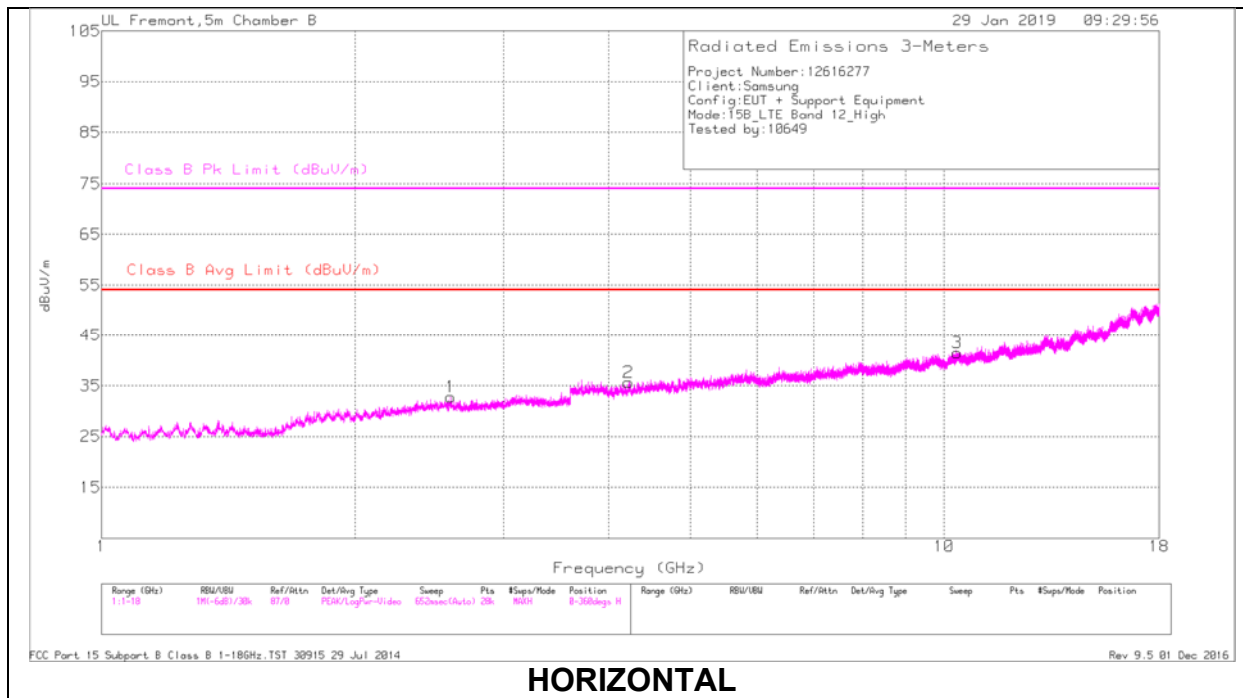
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	34.7187	41.34	Pk	21.9	-31.4	31.84	40	-8.16	0-360	100	V
1	58.9075	51.82	Pk	11.5	-31.1	32.22	40	-7.78	0-360	400	H
5	66.1344	54.03	Pk	12.1	-31	35.13	40	-4.87	0-360	100	V
	65.9986	47.62	Qp	12.1	-31	28.72	40	-11.28	307	206	V
6	98.6978	51.36	Pk	13.9	-30.8	34.46	43.52	-9.06	0-360	100	V
2	103.2039	52.59	Pk	15.2	-30.6	37.19	43.52	-6.33	0-360	200	H
3	160.4663	38.16	Pk	16.2	-30.2	24.16	43.52	-19.36	0-360	200	H

Pk - Peak detector

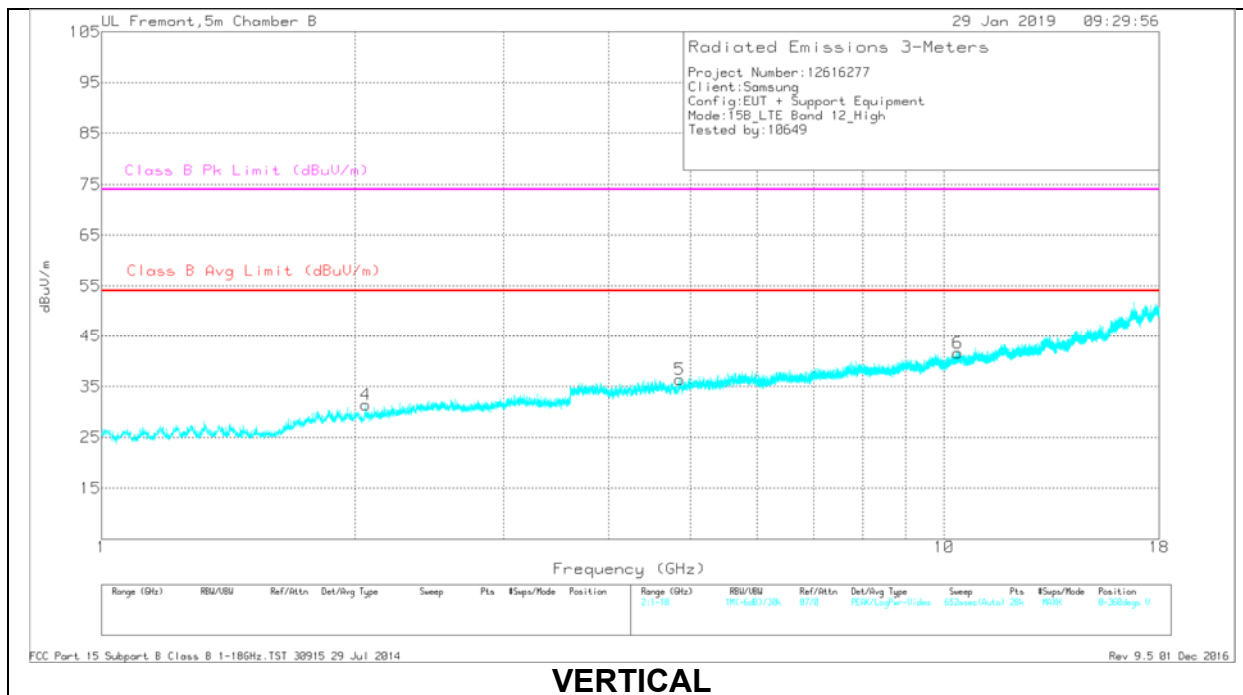
Qp - Quasi-Peak detector

**ABOVE 1GHz**

**HIGH CHANNEL(744.5MHz)**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

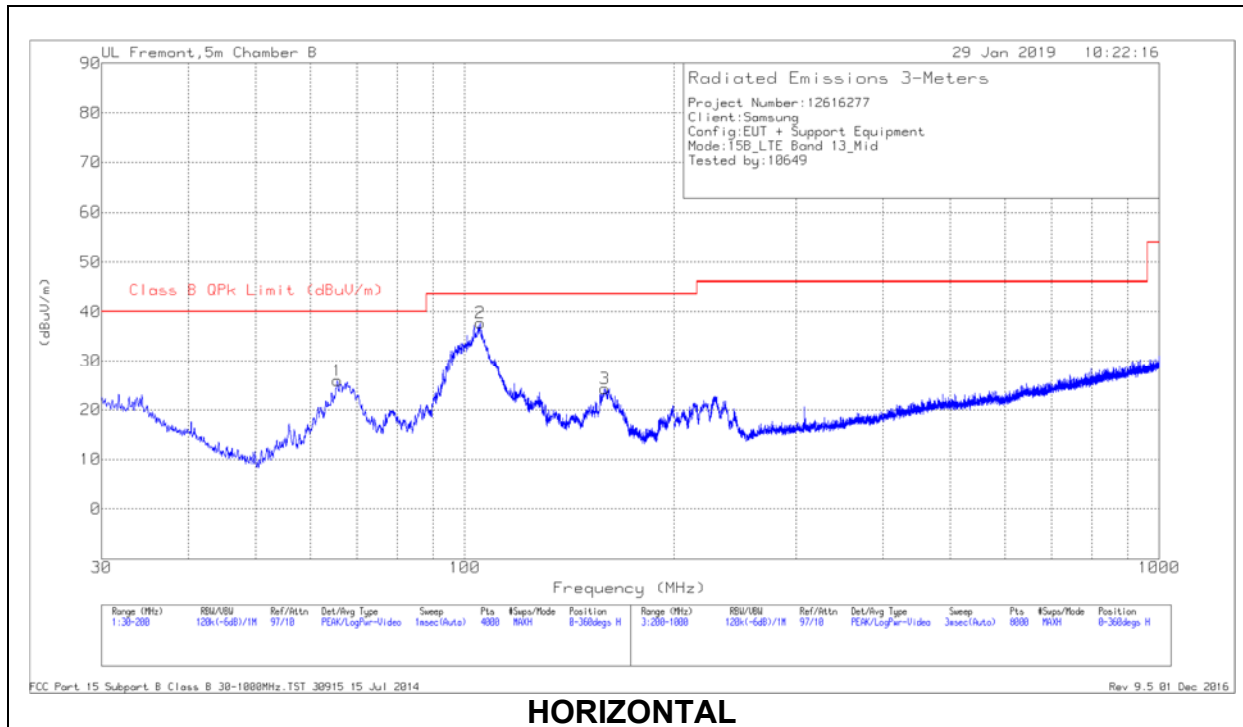
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.06	33.19	Avg	31	-32.8	31.39	-	-	-	-	0-360	99	V
1	2.597	32.03	Avg	32.7	-31.9	32.83	-	-	-	-	0-360	199	H
2	4.22	32.56	Avg	33.6	-30.5	35.66	-	-	-	-	0-360	199	H
5	4.852	32.24	Avg	34.2	-30.1	36.34	-	-	-	-	0-360	199	V
3	10.369	26.4	Avg	37.8	-22.7	41.5	-	-	-	-	0-360	98	H
6	10.383	26.45	Avg	37.8	-22.7	41.55	-	-	-	-	0-360	199	V

Avg - Video bandwidth < Resolution bandwidth

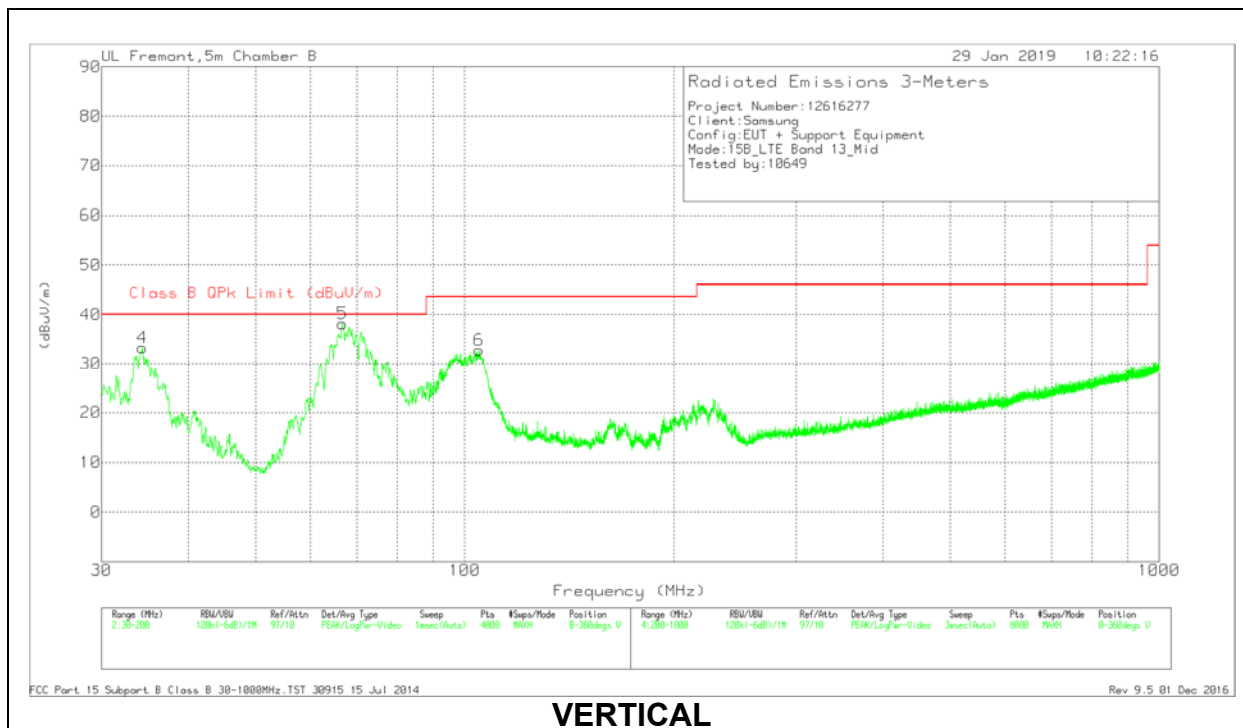
**11.1.2. LTE Band 13**

**BELOW 1GHz**

**MID CHANNEL(751MHz)**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

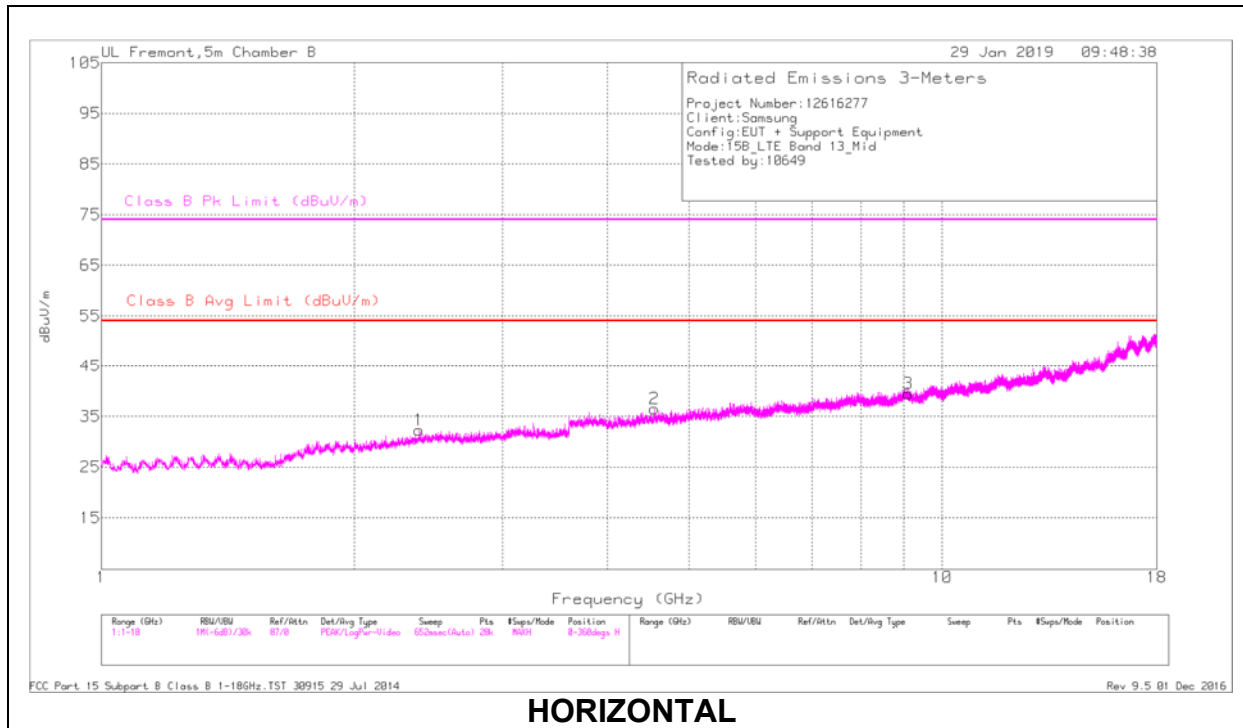
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	34.3361	42.44	Pk	22.2	-31.4	33.24	40	-6.76	0-360	100	V
1	65.5817	44.83	Pk	12.1	-31	25.93	40	-14.07	0-360	400	H
5	66.7083	57.08	Pk	12.1	-31	38.18	40	-1.82	0-360	100	V
	66.6911	48.65	Qp	12.1	-31	29.75	40	-10.25	83	118	V
6	104.9469	47.82	Pk	15.7	-30.7	32.82	43.52	-10.7	0-360	100	V
2	105.287	52.65	Pk	15.8	-30.7	37.75	43.52	-5.77	0-360	300	H
	105.0513	45.36	Qp	15.7	-30.7	30.36	43.52	-13.16	326	281	H
3	159.1059	38.25	Pk	16.3	-30.3	24.25	43.52	-19.27	0-360	101	H

Pk - Peak detector

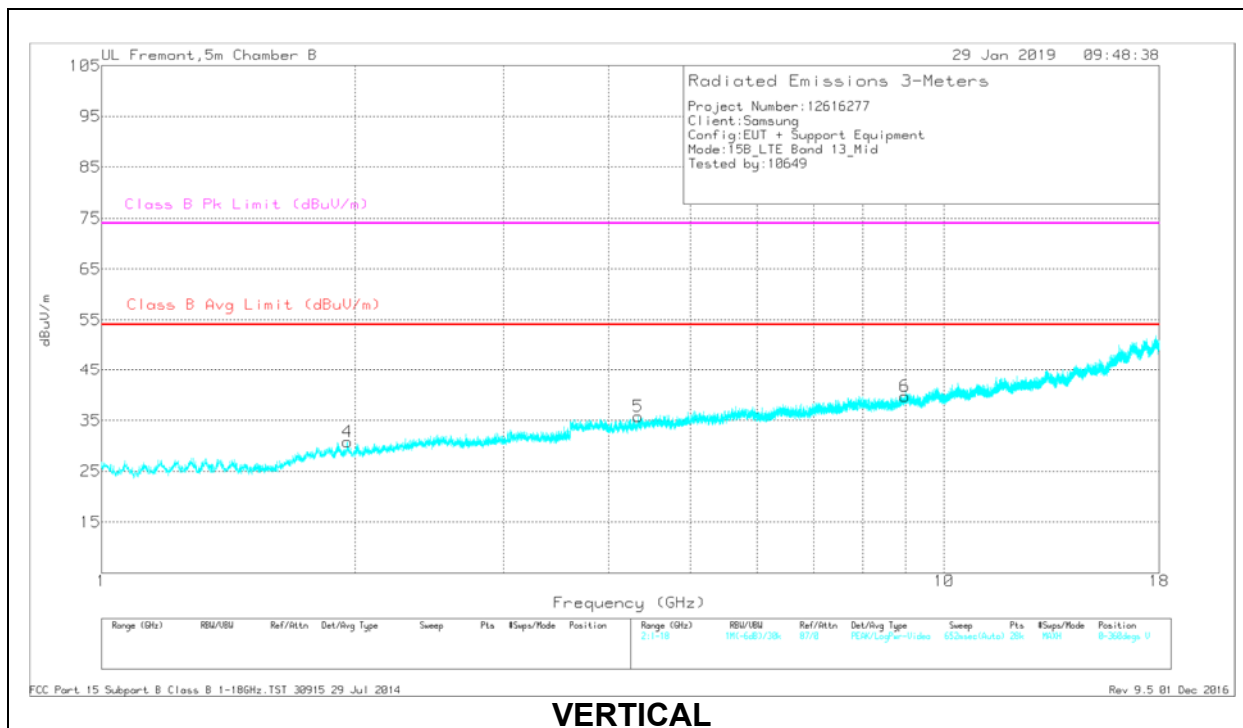
Qp - Quasi-Peak detector

**ABOVE 1GHz**

**MID CHANNEL(751MHz)**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.958	32.5	Avg	31	-32.7	30.8	-	-	-	-	0-360	102	V
1	2.387	32.2	Avg	32.3	-32.2	32.3	-	-	-	-	0-360	99	H
5	4.335	32.61	Avg	33.7	-30.5	35.81	-	-	-	-	0-360	102	V
2	4.549	32.46	Avg	34	-30	36.46	-	-	-	-	0-360	99	H
6	8.981	28.14	Avg	36.8	-25.2	39.74	-	-	-	-	0-360	200	V
3	9.106	27.36	Avg	36.8	-24.7	39.46	-	-	-	-	0-360	99	H

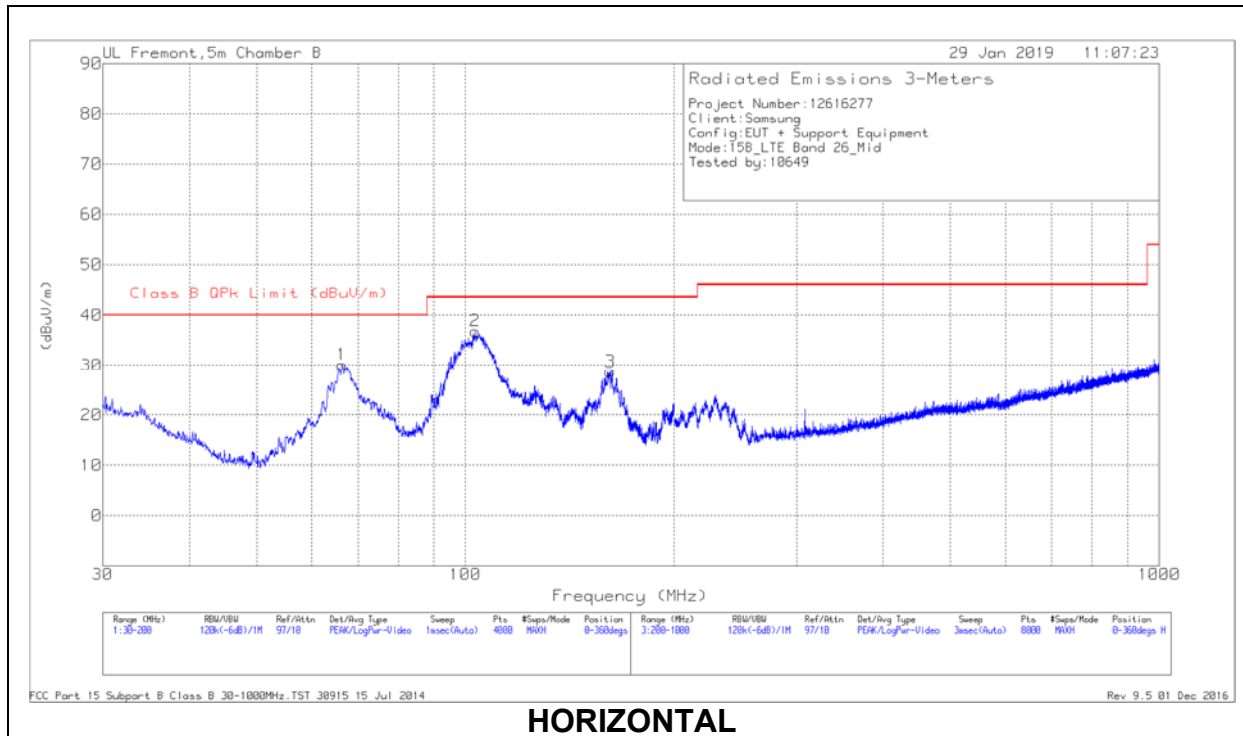
Avg - Video bandwidth < Resolution bandwidth



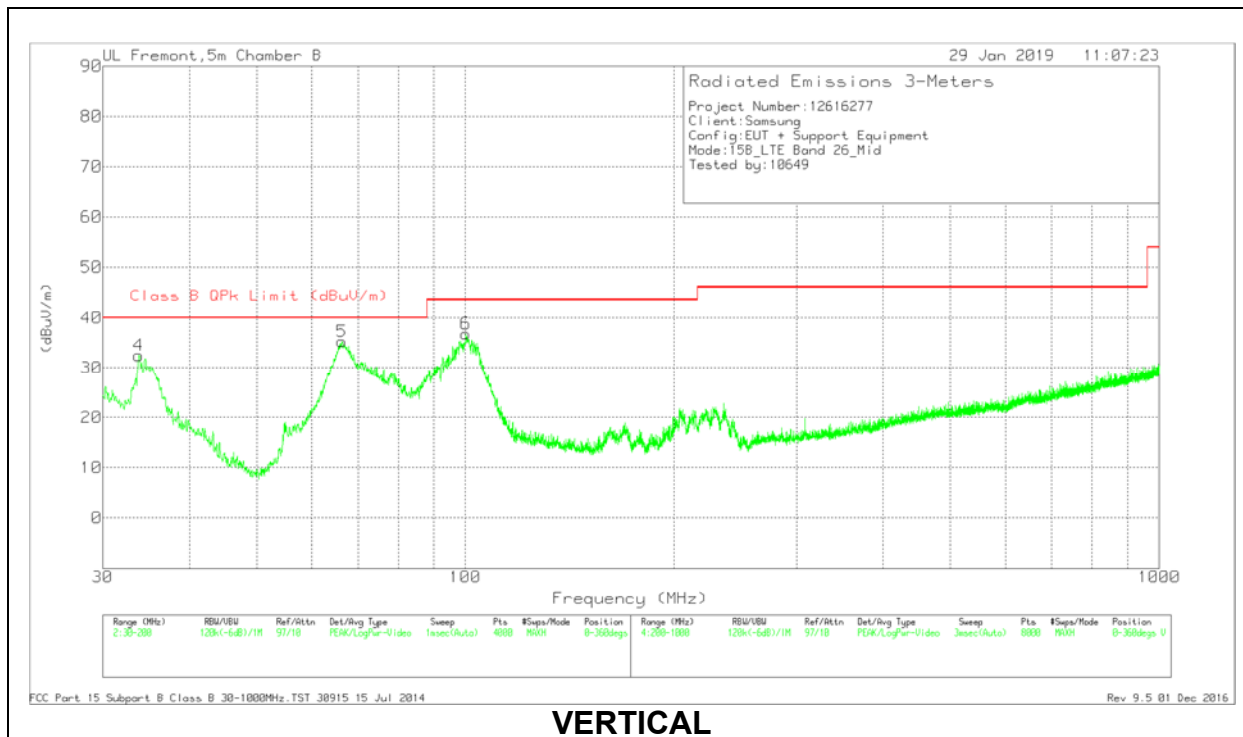
### 11.1.3. LTE Band 26

#### BELOW 1GHz

#### MID CHANNEL(864MHz)



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

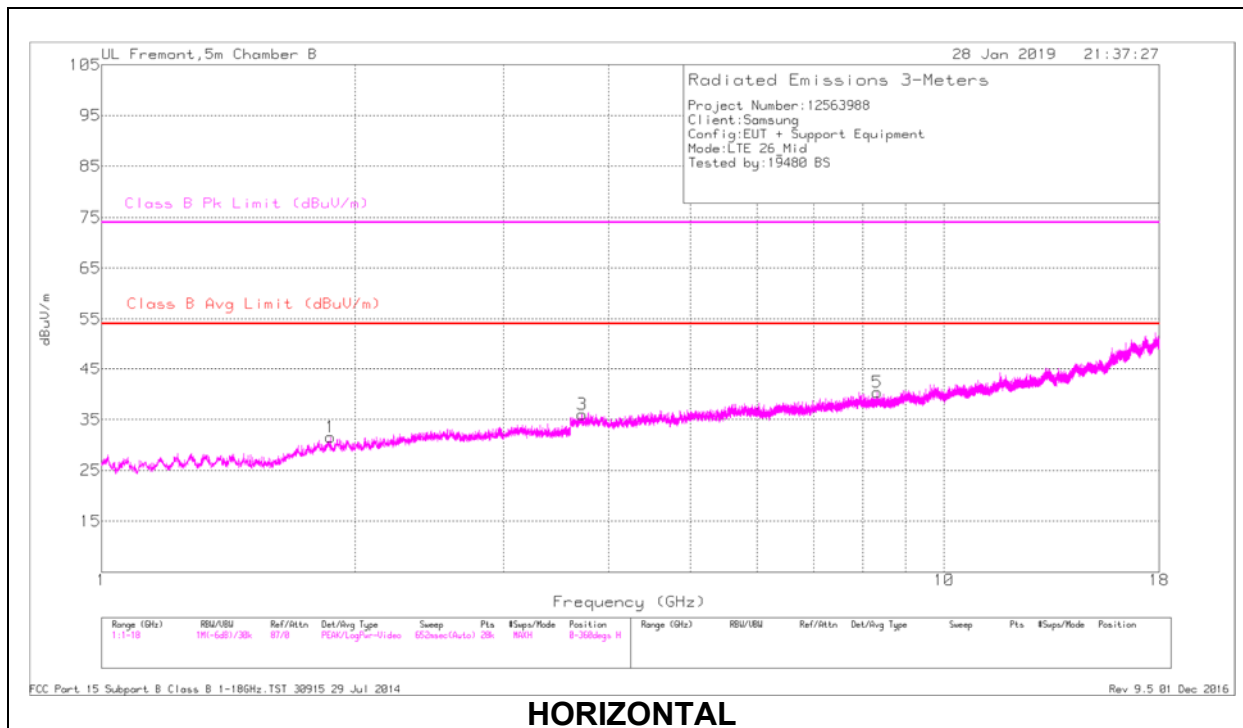
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	33.826	41.27	Pk	22.6	-31.4	32.47	40	-7.53	0-360	100	V
5	66.3469	54.17	Pk	12.1	-31	35.27	40	-4.73	0-360	100	V
	66.4703	53.95	Qp	12.1	-31	35.05	40	-4.95	88	107	V
1	66.4107	48.98	Pk	12.1	-31	30.08	40	-9.92	0-360	200	H
6	100.1006	53.2	Pk	14.3	-30.7	36.8	43.52	-6.72	0-360	100	V
2	103.289	52.12	Pk	15.3	-30.6	36.82	43.52	-6.7	0-360	200	H
3	161.6991	42.78	Pk	16.2	-30.3	28.68	43.52	-14.84	0-360	200	H

Pk - Peak detector

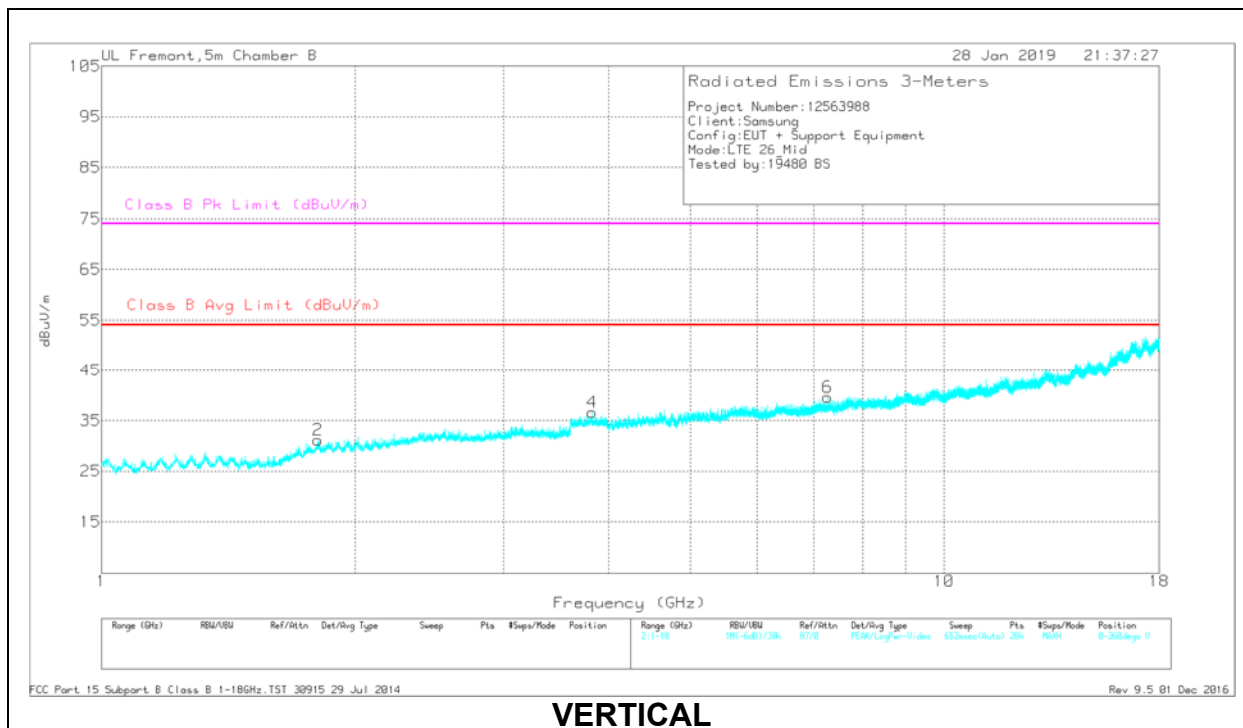
Qp - Quasi-Peak detector

**ABOVE 1GHz**

**LOW CHANNEL(864MHz)**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1.805	33.41	Avg	30.7	-33	31.11	-	-	-	-	0-360	101	V
1	1.868	33.68	Avg	30.9	-33.1	31.48	-	-	-	-	0-360	98	H
3	3.719	33.82	Avg	33.3	-31.1	36.02	-	-	-	-	0-360	199	H
4	3.823	33.69	Avg	33.4	-30.5	36.59	-	-	-	-	0-360	200	V
6	7.274	31.03	Avg	35.9	-27.3	39.63	-	-	-	-	0-360	101	V
5	8.333	30.08	Avg	36.3	-26	40.38	-	-	-	-	0-360	199	H

Avg - Video bandwidth < Resolution bandwidth

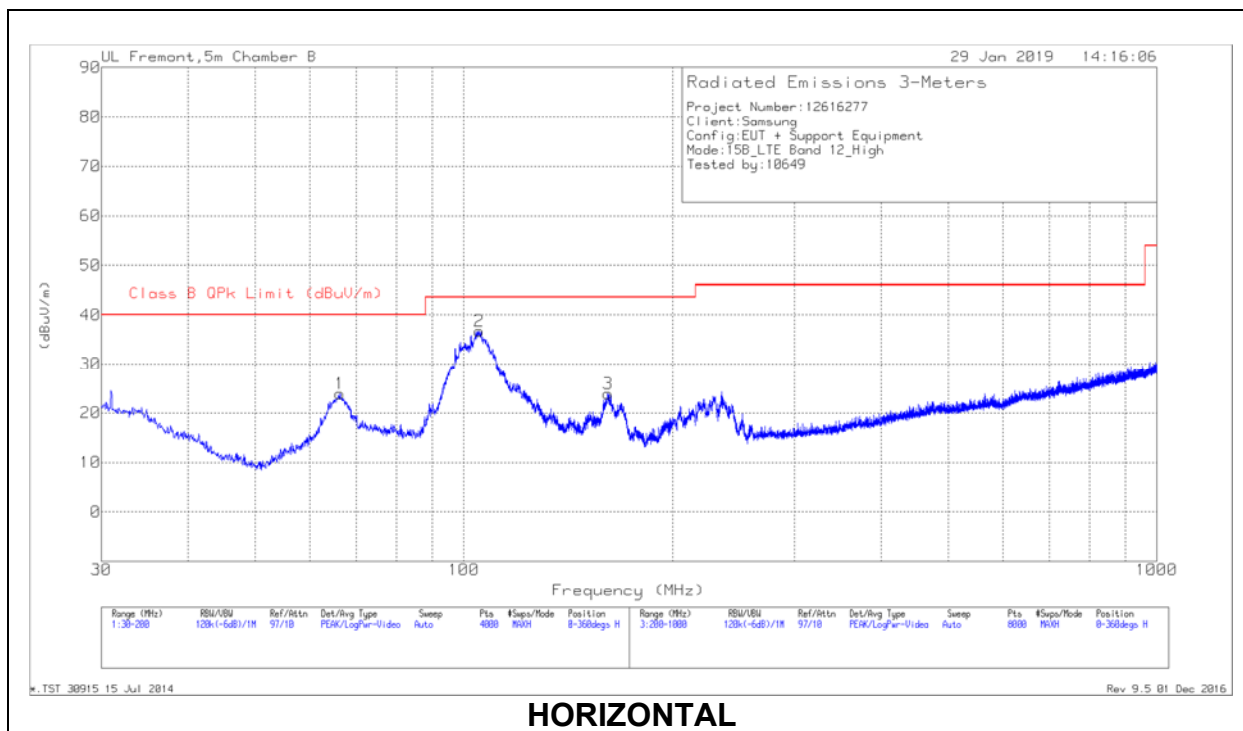
**NOTE:** For the 15B Receiver Mode, the GSM850, WCDMA B5, & LTE Band 5 was covered by LTE Band 26.

# 11.1. SM-G975N (CERAMIC)

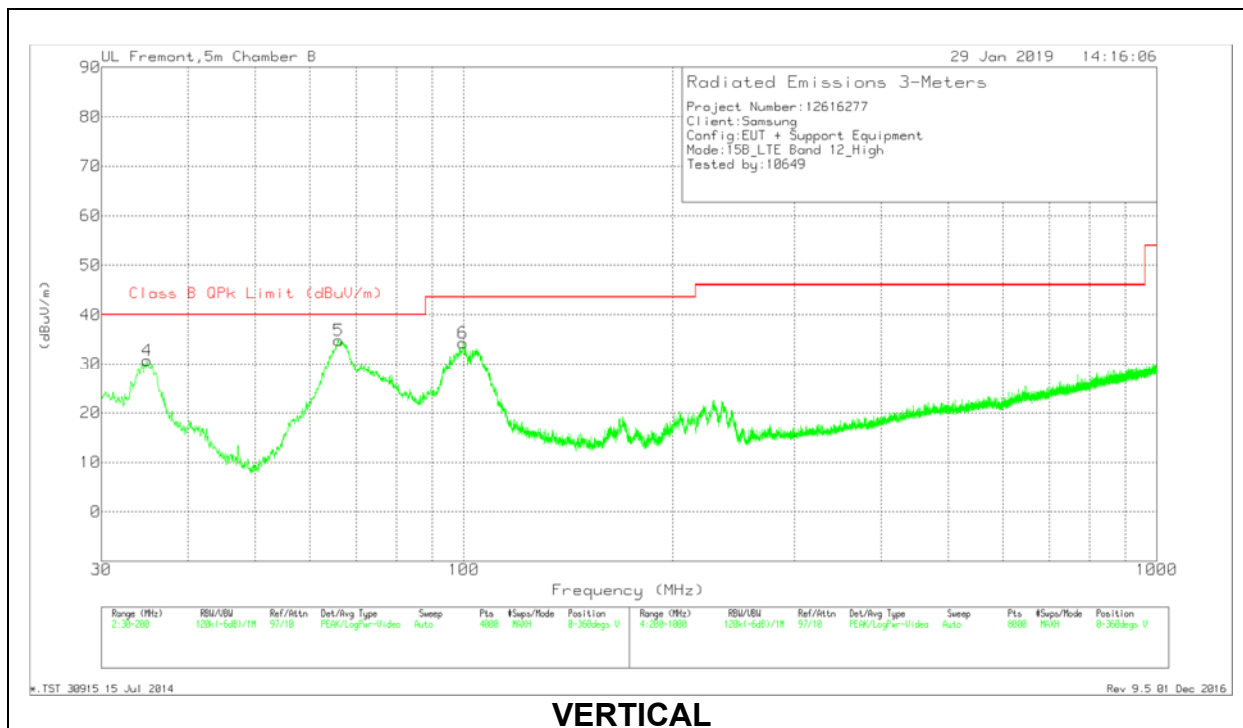
## 11.1.1. LTE Band 12

### BELOW 1GHz

### HIGH CHANNEL(744.5MHz)



**HORIZONTAL**



**VERTICAL**

### RADIATED EMISSIONS

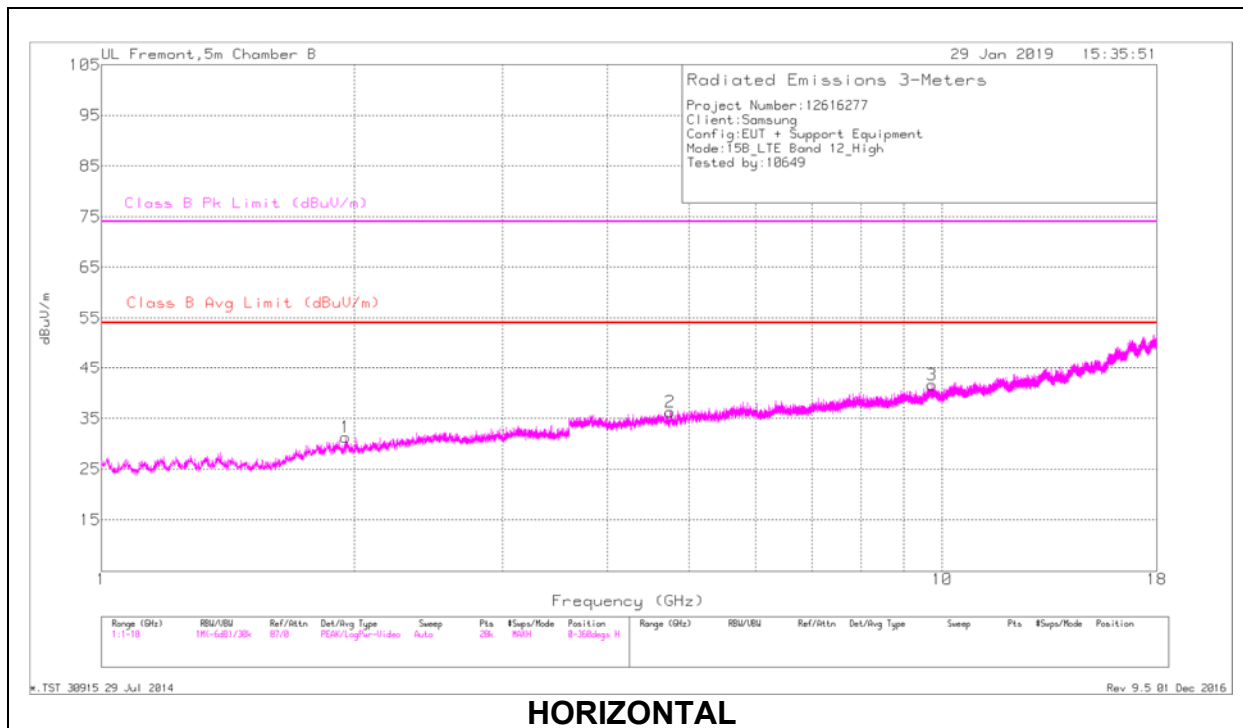
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	34.9313	40.41	Pk	21.8	-31.4	30.81	40	-9.19	0-360	100	V
5	65.9856	53.74	Pk	12.1	-31	34.84	40	-5.16	0-360	100	V
	66.1781	48.56	Qp	12.1	-31	29.66	40	-10.34	252	278	V
1	66.3044	42.79	Pk	12.1	-31	23.89	40	-16.11	0-360	400	H
6	99.8031	50.86	Pk	14.2	-30.7	34.36	43.52	-9.16	0-360	100	V
2	105.287	51.64	Pk	15.8	-30.7	36.74	43.52	-6.78	0-360	300	H
3	161.3165	38	Pk	16.2	-30.3	23.9	43.52	-19.62	0-360	200	H
4	34.9313	40.41	Pk	21.8	-31.4	30.81	40	-9.19	0-360	100	V

Pk - Peak detector

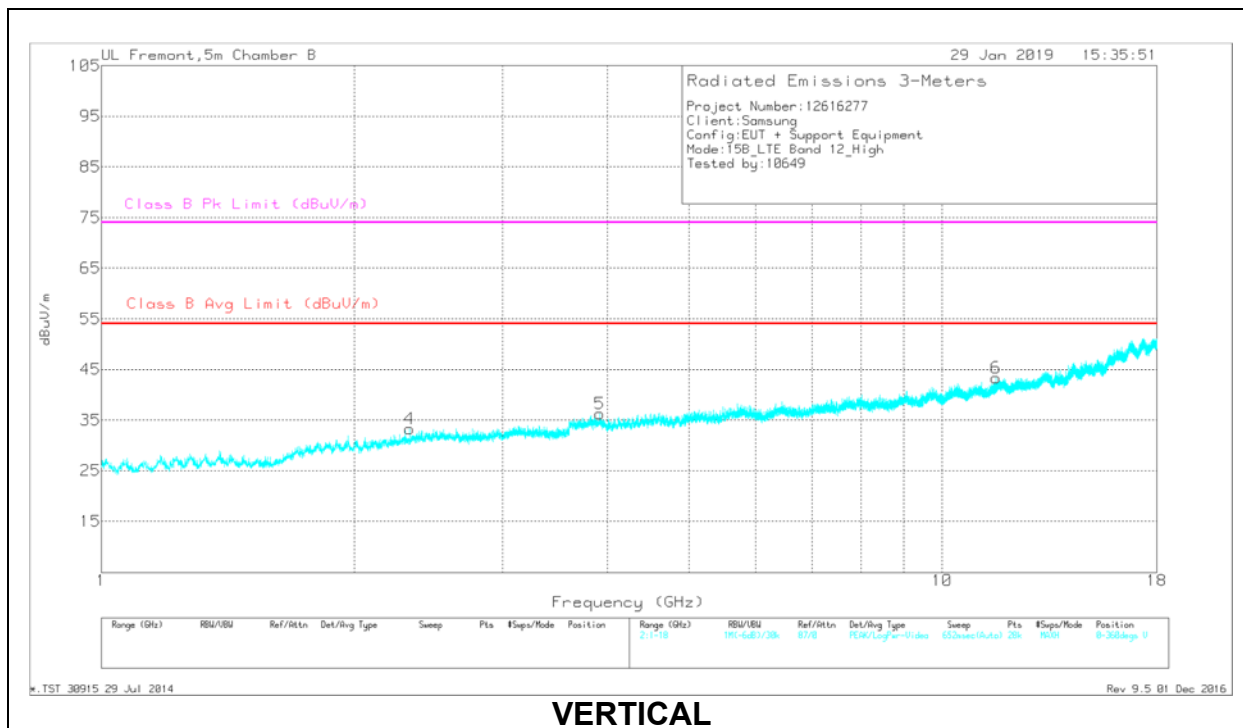
Qp - Quasi-Peak detector

**ABOVE 1GHz**

**HIGH CHANNEL(744.5MHz)**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.95	33.08	Avg	31	-32.8	31.28	-	-	-	-	0-360	98	H
4	2.325	33.66	Avg	32.1	-32.5	33.26	-	-	-	-	0-360	200	V
5	3.919	33.11	Avg	33.4	-30.3	36.21	-	-	-	-	0-360	200	V
2	4.751	32.6	Avg	34.1	-30.4	36.3	-	-	-	-	0-360	199	H
3	9.73	28.62	Avg	37.2	-24.2	41.62	-	-	-	-	0-360	199	H
6	11.59	27.11	Avg	38.6	-22.4	43.31	-	-	-	-	0-360	200	V

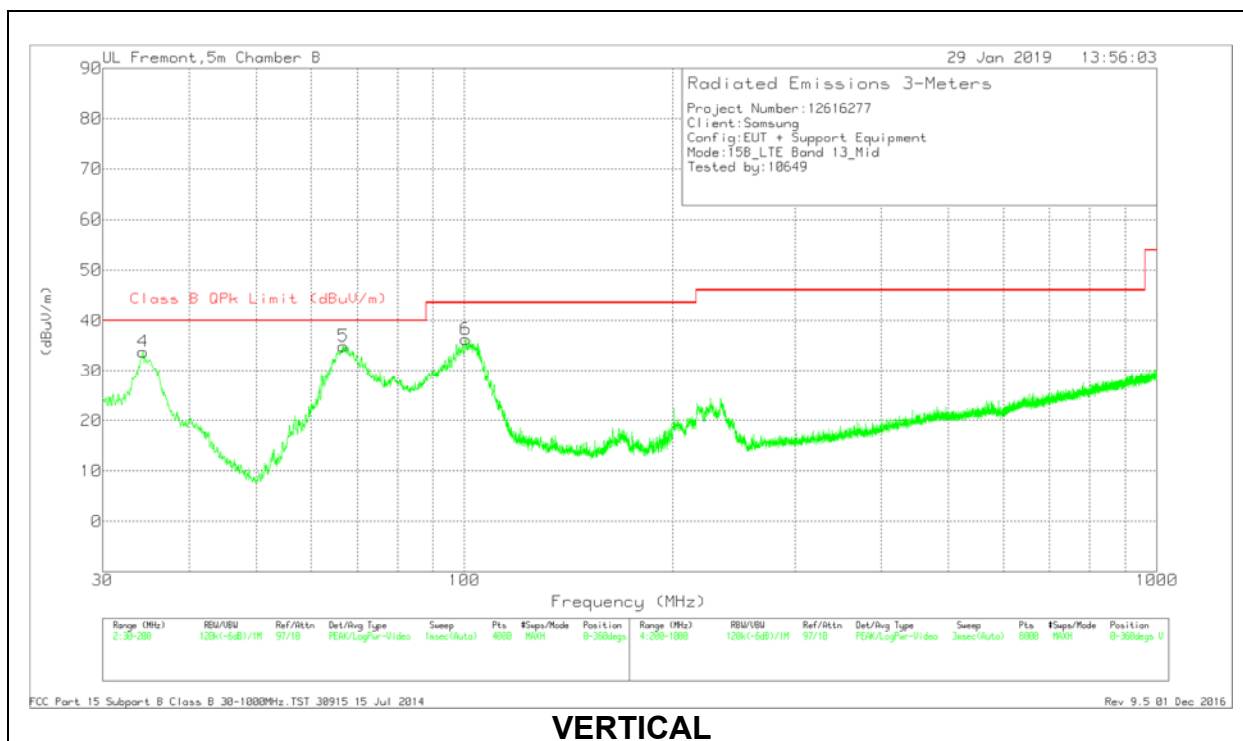
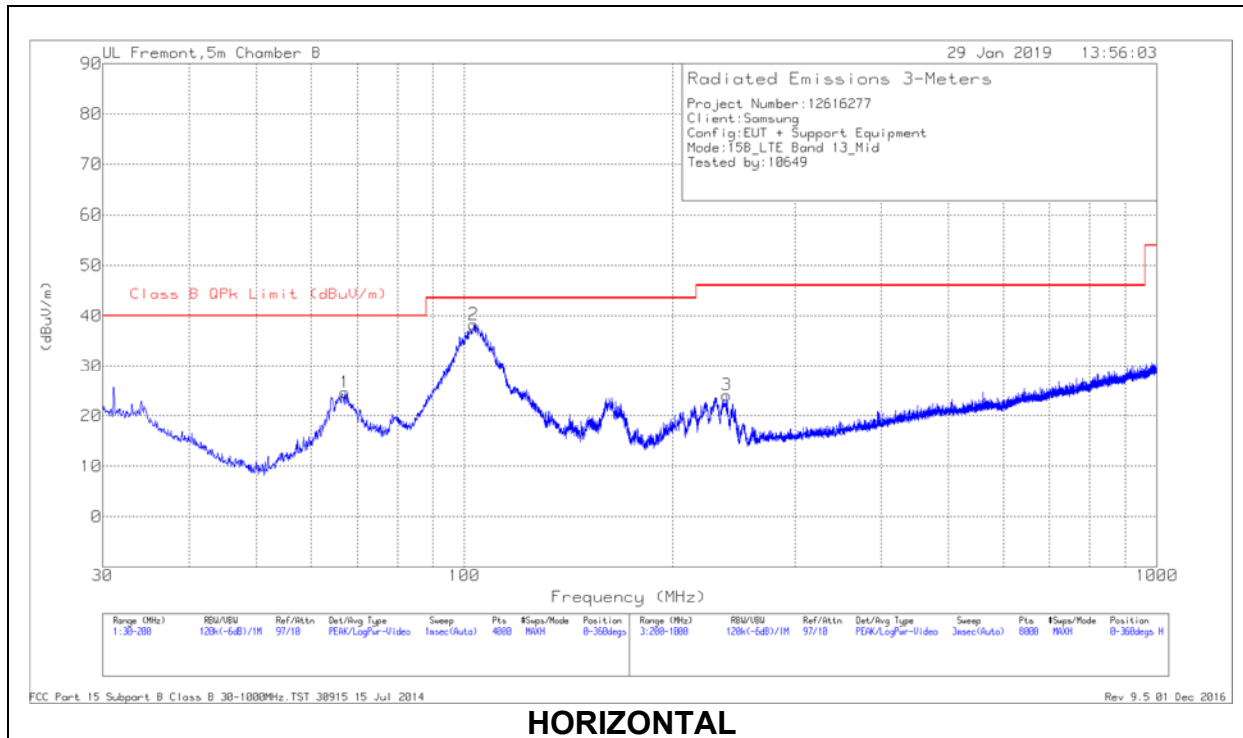
Avg - Video bandwidth < Resolution bandwidth



### 11.1.2. LTE Band 13

#### BELOW 1GHz

#### MID CHANNEL(751MHz)



**RADIATED EMISSIONS**

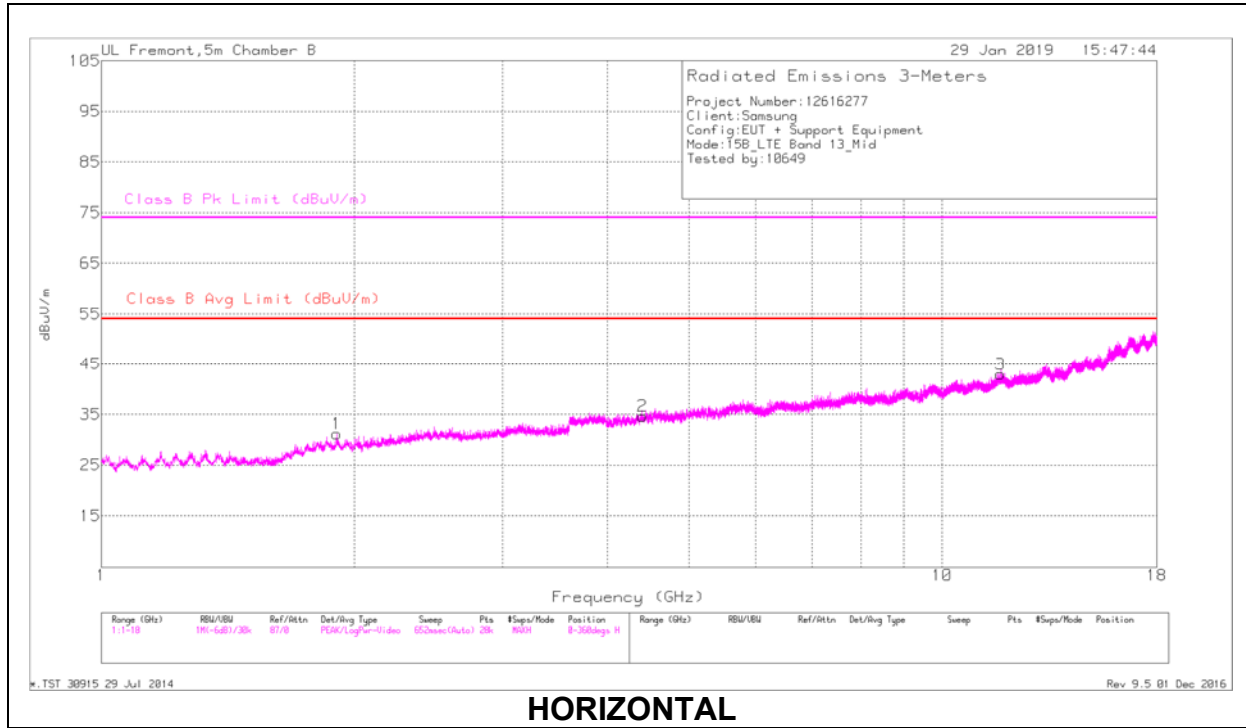
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	34.3361	43.02	Pk	22.2	-31.4	33.82	40	-6.18	0-360	100	V
5	66.857	53.84	Pk	12.1	-31	34.94	40	-5.06	0-360	100	V
	66.6343	48.35	Qp	12.1	-31	29.45	40	-10.55	129	177	V
1	67.1546	43.51	Pk	12.1	-31	24.61	40	-15.39	0-360	200	H
6	100.4195	52.61	Pk	14.4	-30.7	36.31	43.52	-7.21	0-360	100	V
2	103.1614	53.69	Pk	15.2	-30.6	38.29	43.52	-5.23	0-360	300	H
	103.16	46.67	Qp	15.2	-30.6	31.27	43.52	-12.25	124	300	H
3	239.3051	38.49	Pk	15.5	-29.9	24.09	46.02	-21.93	0-360	100	H

Pk - Peak detector

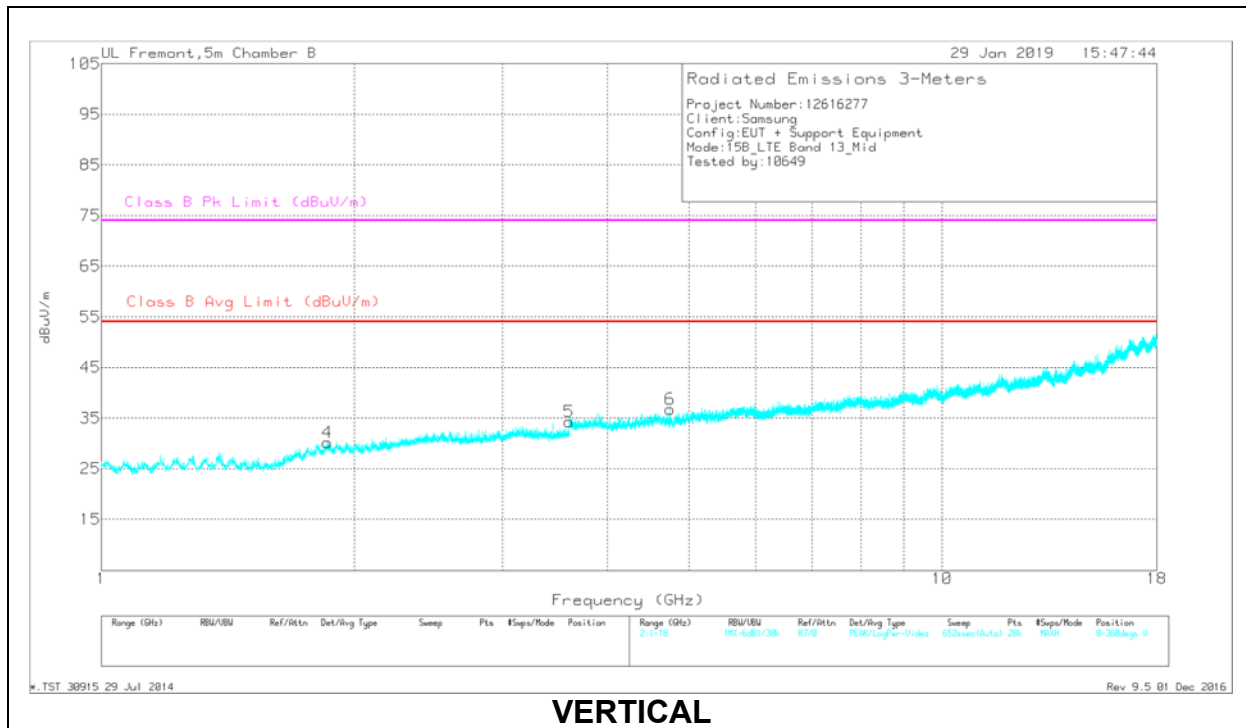
Qp - Quasi-Peak detector

**ABOVE 1GHz**

**MID CHANNEL(751MHz)**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

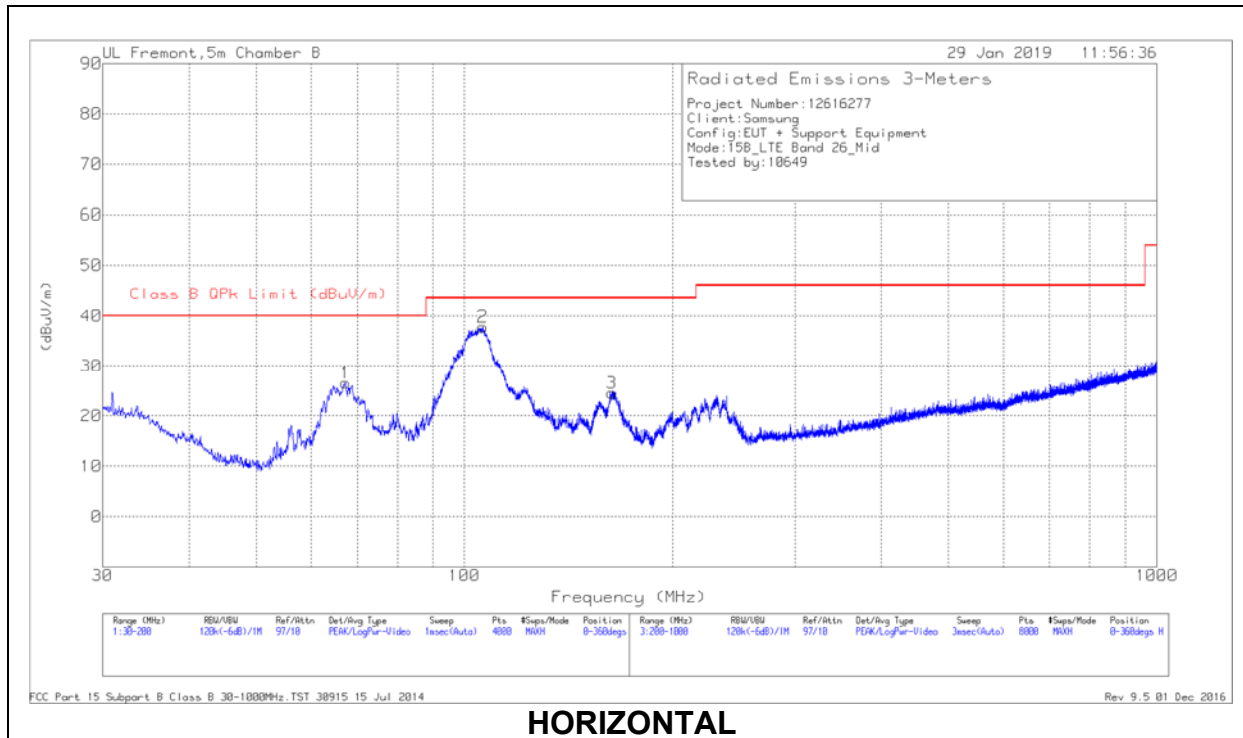
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.857	32.23	Avg	30.9	-33	30.13	-	-	-	-	0-360	101	V
1	1.904	33.03	Avg	31.1	-33	31.13	-	-	-	-	0-360	199	H
5	3.602	32.47	Avg	33.3	-31.5	34.27	-	-	-	-	0-360	101	V
2	4.398	30.8	Avg	33.8	-30	34.6	-	-	-	-	0-360	98	H
6	4.75	32.93	Avg	34.1	-30.3	36.73	-	-	-	-	0-360	200	V
3	11.729	26.41	Avg	39	-22.5	42.91	-	-	-	-	0-360	98	H

Avg - Video bandwidth < Resolution bandwidth

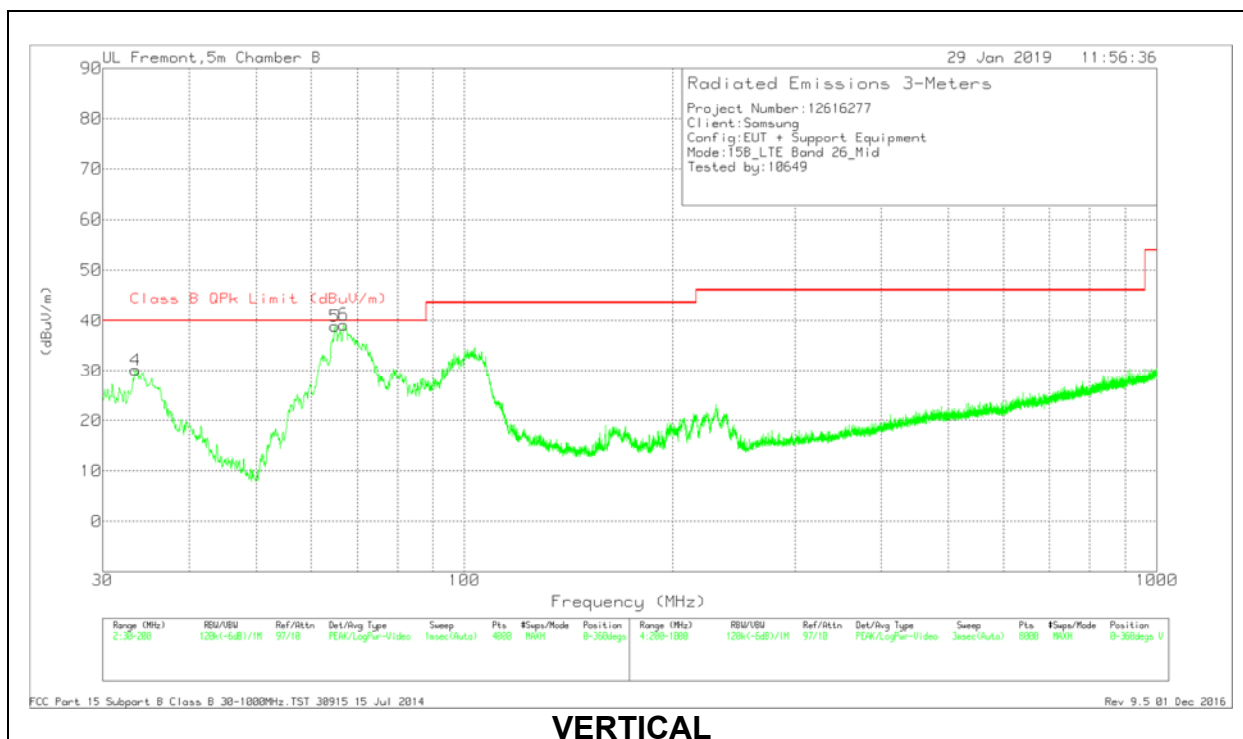
### 11.1.3. LTE Band 26

#### BELOW 1GHz

#### MID CHANNEL(864MHz)



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

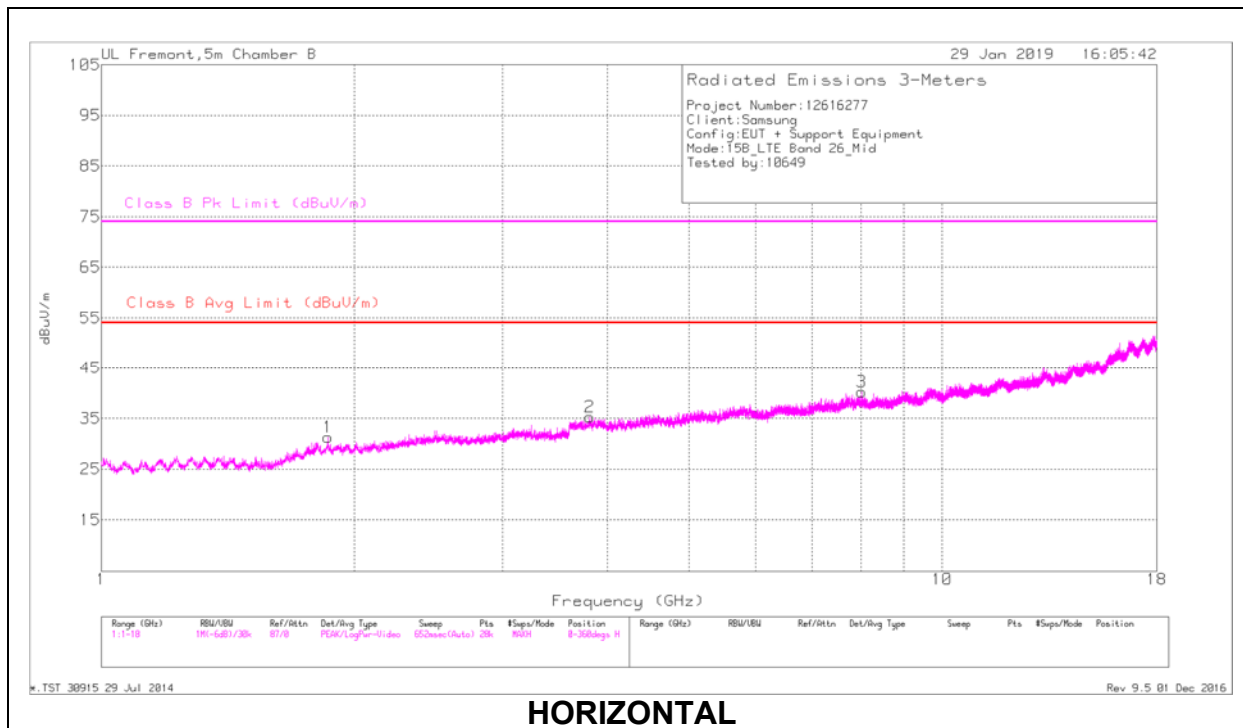
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	33.4859	38.75	Pk	22.8	-31.4	30.15	40	-9.85	0-360	100	V
5	65.0078	57.87	Pk	12	-31	38.87	40	-1.13	0-360	100	V
	65.2171	46.67	Qp	12	-31	27.67	40	-12.33	270	135	V
6	66.9421	58.08	Pk	12.1	-31	39.18	40	-.82	0-360	100	V
	66.7093	46.68	Qp	12.1	-31	27.78	40	-12.22	299	285	V
1	67.2821	45.46	Pk	12.1	-31	26.56	40	-13.44	0-360	400	H
2	106.2647	52.41	Pk	16	-30.6	37.81	43.52	-5.71	0-360	300	H
	106.3741	47.07	Qp	16	-30.6	32.47	43.52	-11.05	122	290	H
3	163.1019	38.69	Pk	16.1	-30.3	24.49	43.52	-19.03	0-360	200	H

Pk - Peak detector

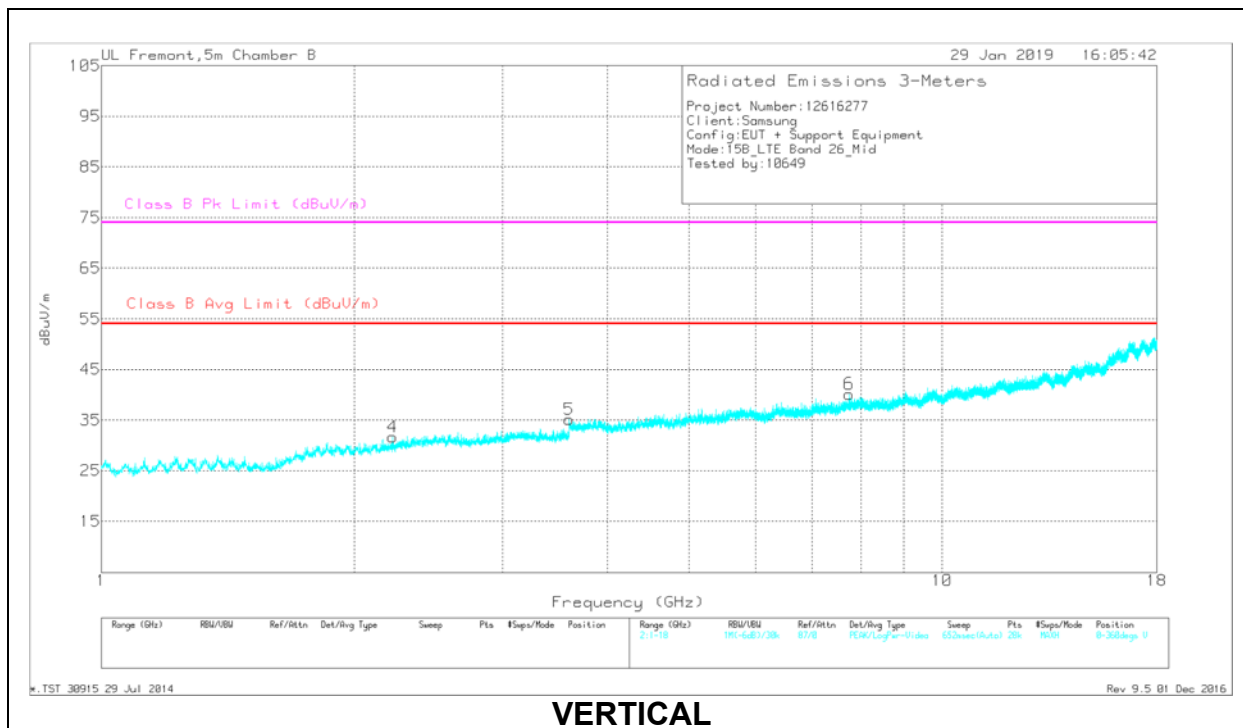
Qp - Quasi-Peak detector

**ABOVE 1GHz**

**LOW CHANNEL(864MHz)**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.86	33.43	Avg	30.9	-33.1	31.23	-	-	-	-	0-360	98	H
4	2.22	32.33	Avg	31.6	-32.3	31.63	-	-	-	-	0-360	102	V
5	3.602	33.29	Avg	33.3	-31.5	35.09	-	-	-	-	0-360	200	V
2	3.81	32.41	Avg	33.4	-30.5	35.31	-	-	-	-	0-360	98	H
6	7.75	30.56	Avg	36.4	-26.8	40.16	-	-	-	-	0-360	102	V
3	8.027	30.17	Avg	36.4	-26.3	40.27	-	-	-	-	0-360	199	H

Avg - Video bandwidth < Resolution bandwidth

**NOTE:** For the 15B Receiver Mode, the GSM850, WCDMA B5, & LTE Band 5 was covered by LTE Band 26.