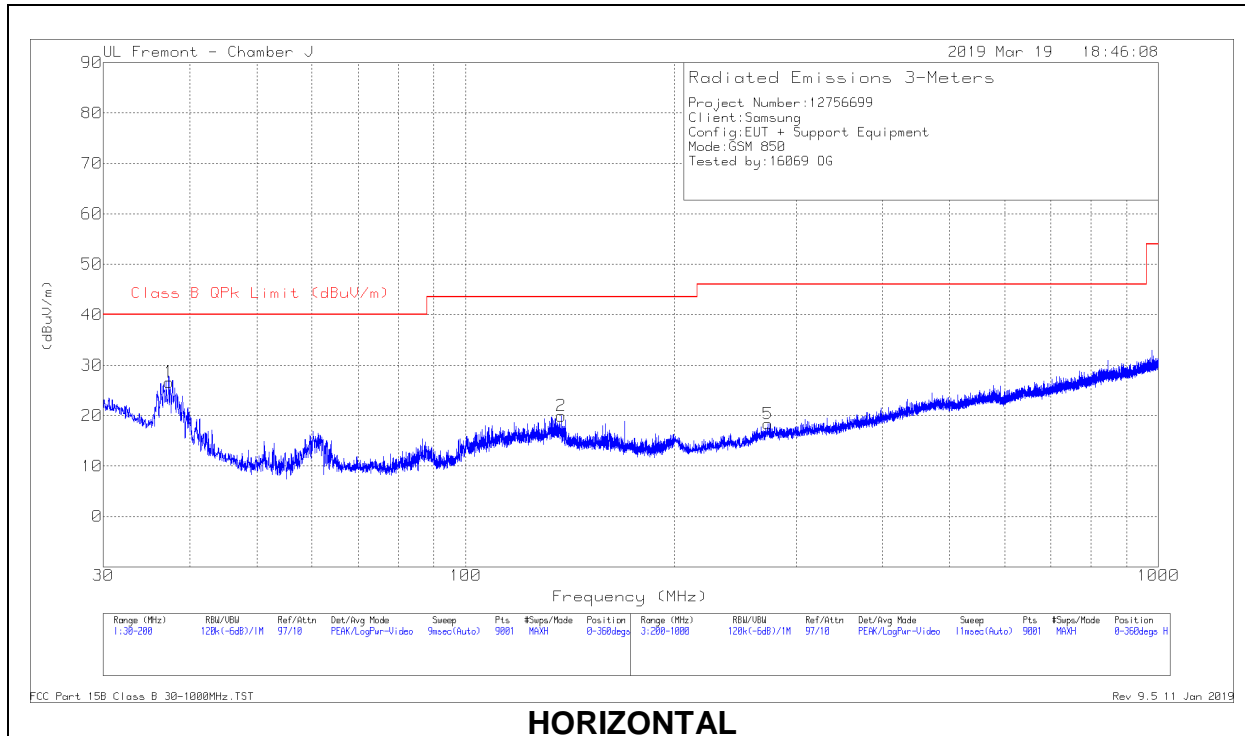


# 10. APPENDIX A: PRE-SCAN DATA FOR 15B RECEIVER MODE

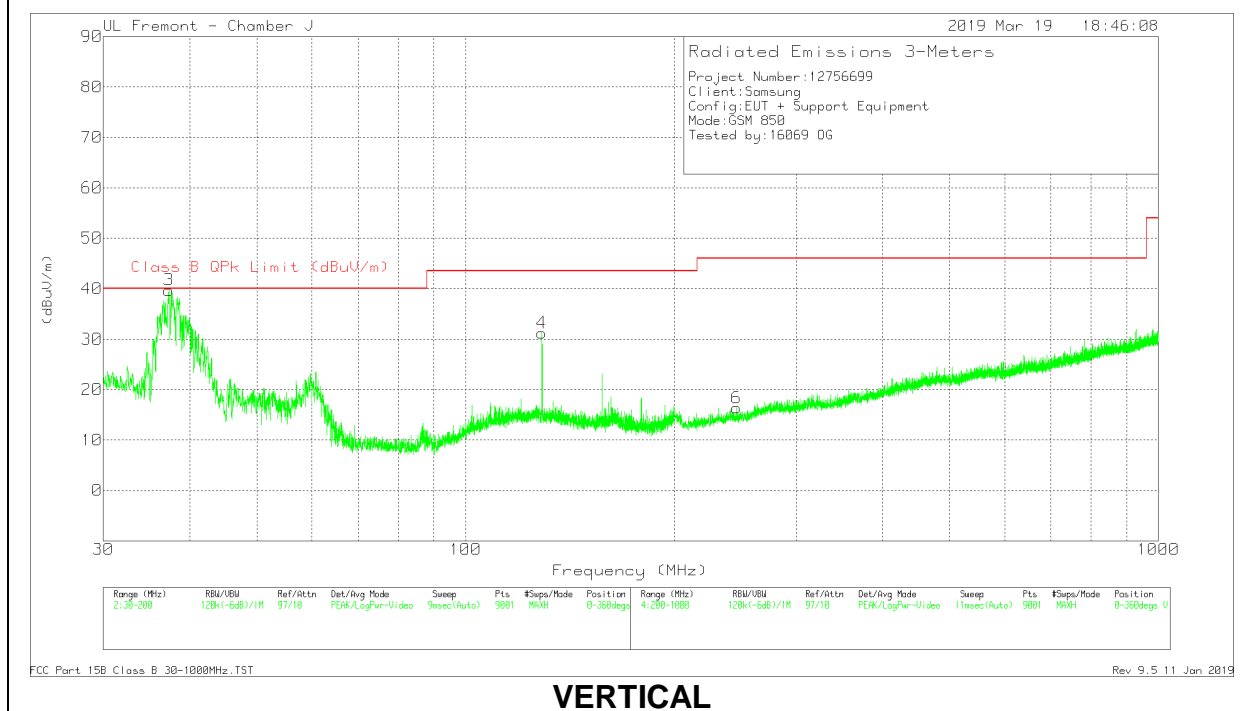
## 10.1. GSM850

### 10.1.1. BELOW 1GHz

#### LOW CHANNEL



HORIZONTAL



VERTICAL

**RADIATED EMISSIONS**

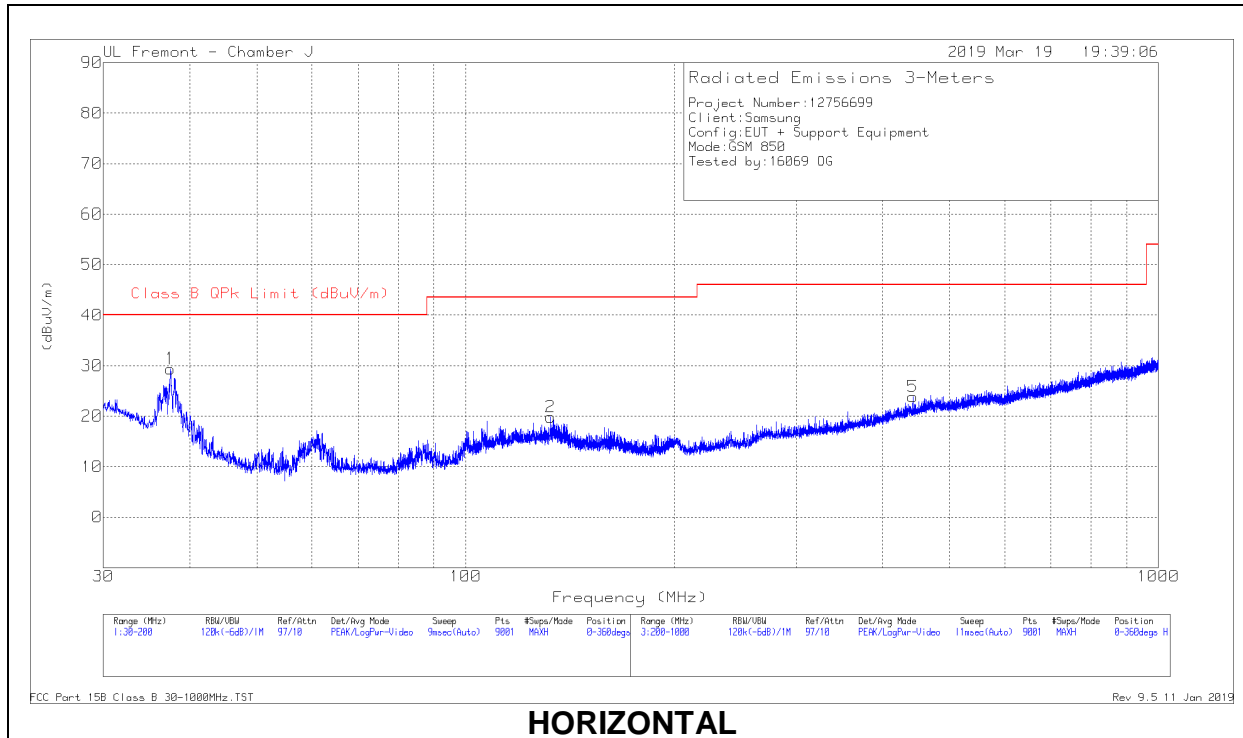
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	37.3289	36.74	Pk	21.4	-31.5	26.64	40	-13.36	0-360	198	H
2	137.5351	31.55	Pk	19.1	-30.7	19.95	43.52	-23.57	0-360	198	H
3	37.31	49.84	Pk	21.4	-31.5	39.74	40	-26	0-360	101	V
4	128.9217	42.22	Pk	19.7	-30.7	31.22	43.52	-12.3	0-360	101	V
5	273.3334	29.18	Pk	19.2	-30	18.38	46.02	-27.64	0-360	101	H
6	246.3112	28.98	Pk	17.5	-30.1	16.38	46.02	-29.64	0-360	298	V

Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
37.31	44.2	Qp	21.3	-31.5	34	40	-6	264	107	V

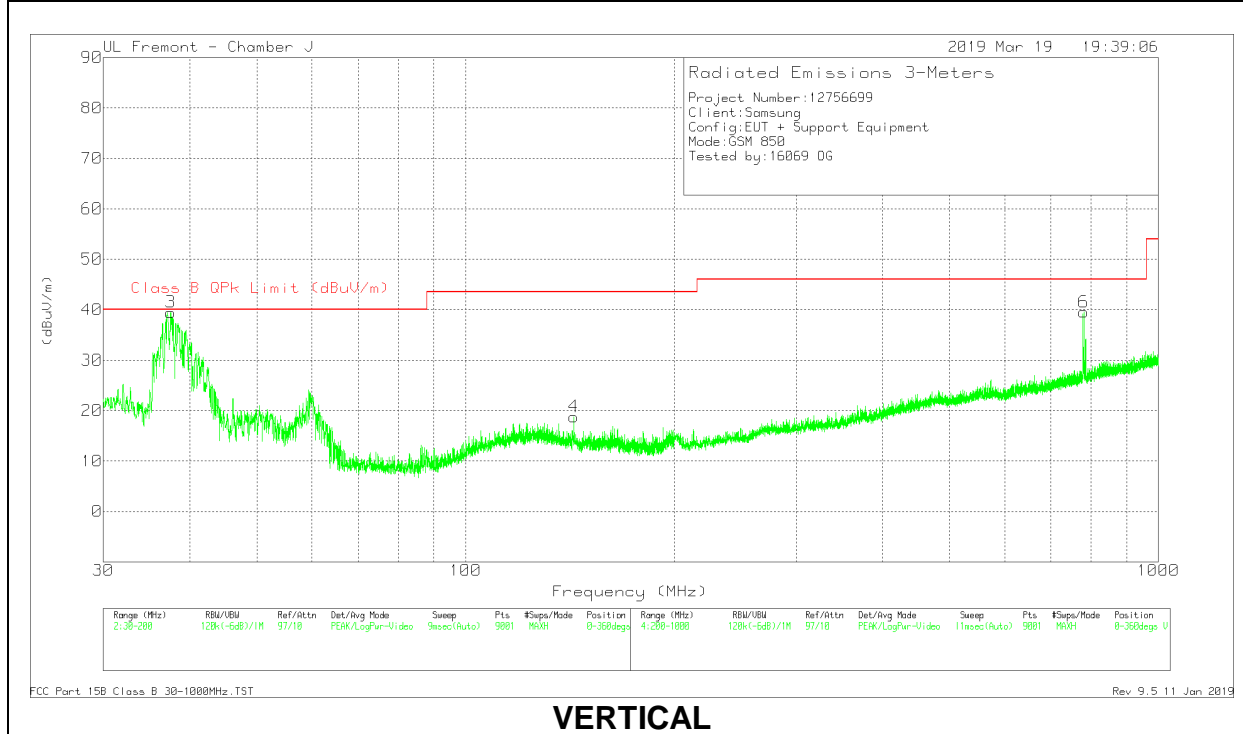
Pk - Peak detector

Qp - Quasi-Peak detector

**MID CHANNEL**



**HORIZONTAL**



**VERTICAL**

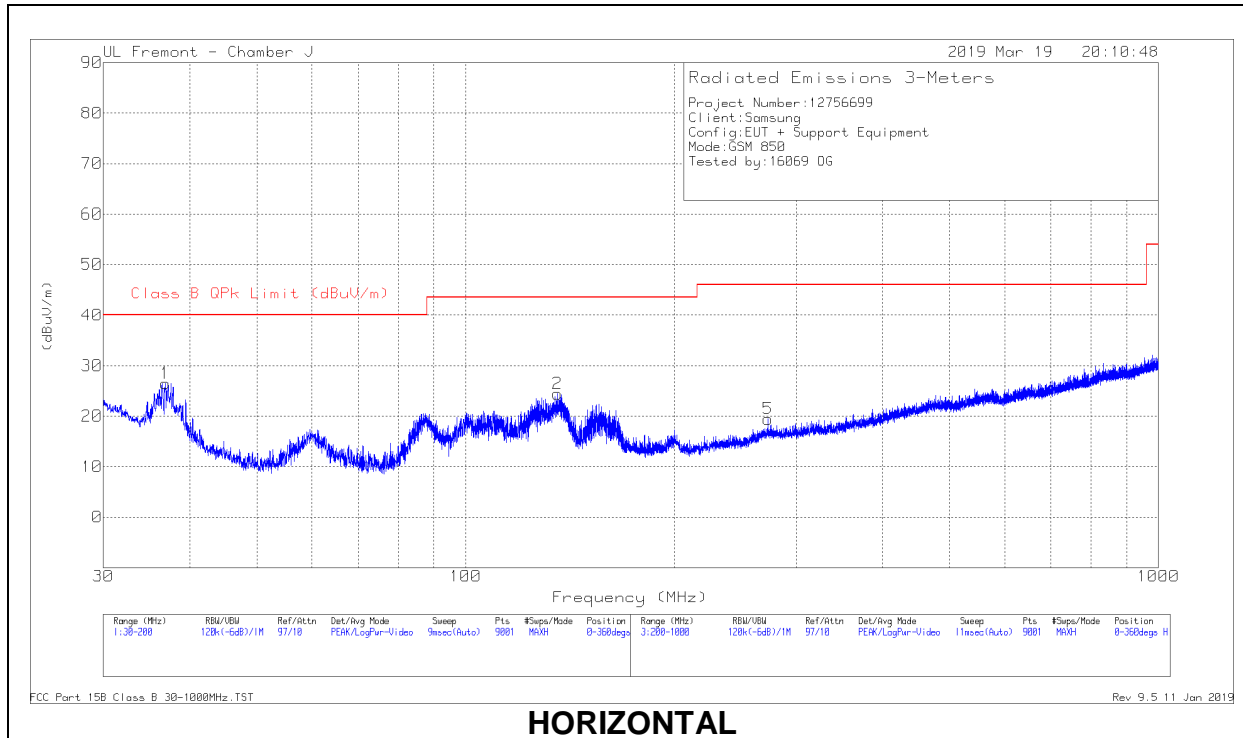
**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	37.4989	39.58	Pk	21.3	-31.5	29.38	40	-10.62	0-360	299	H
2	132.6428	31.24	Pk	19.4	-30.8	19.84	43.52	-23.68	0-360	99	H
3	37.5367	49.78	Pk	21.2	-31.5	39.48	40	-.52	0-360	101	V
4	143.4096	30.8	Pk	18.7	-30.7	18.8	43.52	-24.72	0-360	101	V
5	442.4003	30.86	Pk	22.6	-29.6	23.86	46.02	-22.16	0-360	298	H
6	780.6229	40.84	Pk	27	-28.3	39.54	46.02	-6.48	0-360	101	V

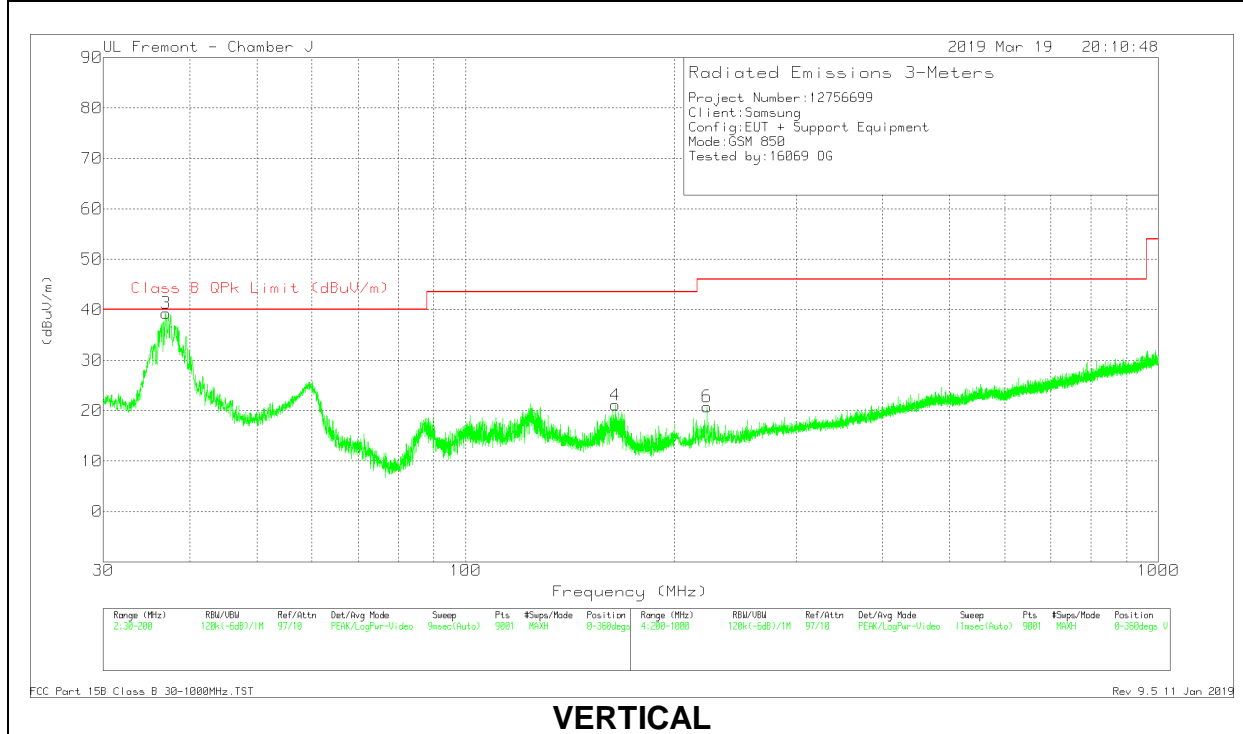
Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
37.5367	42.12	Qp	21.3	-31.5	31.92	40	-8.08	299	113	V

Pk - Peak detector  
 Qp - Quasi-Peak detector

**HIGH CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	36.8756	36.29	Pk	21.7	-31.5	26.49	40	-13.51	0-360	298	H
2	135.7217	35.95	Pk	19.2	-30.7	24.45	43.52	-19.07	0-360	101	H
3	36.9606	49.22	Pk	21.6	-31.5	39.32	40	-.68	0-360	101	V
4	164.4141	33.61	Pk	18	-30.5	21.11	43.52	-22.41	0-360	101	V
5	273.2445	30.25	Pk	19.2	-30	19.45	46.02	-26.57	0-360	101	H
6	223.2	34.38	Pk	16.7	-30.3	20.78	46.02	-25.24	0-360	199	V

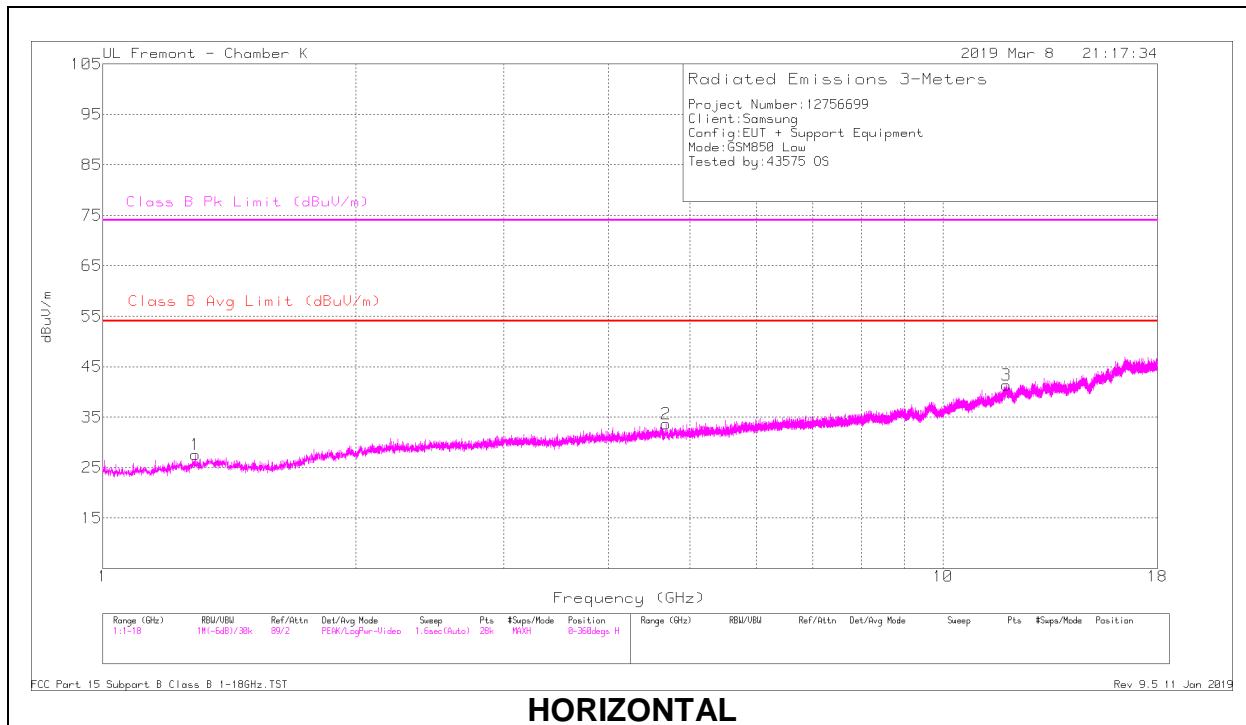
Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
37.1399	44.81	Qp	21.5	-31.5	34.81	40	-5.19	284	101	V

Pk - Peak detector

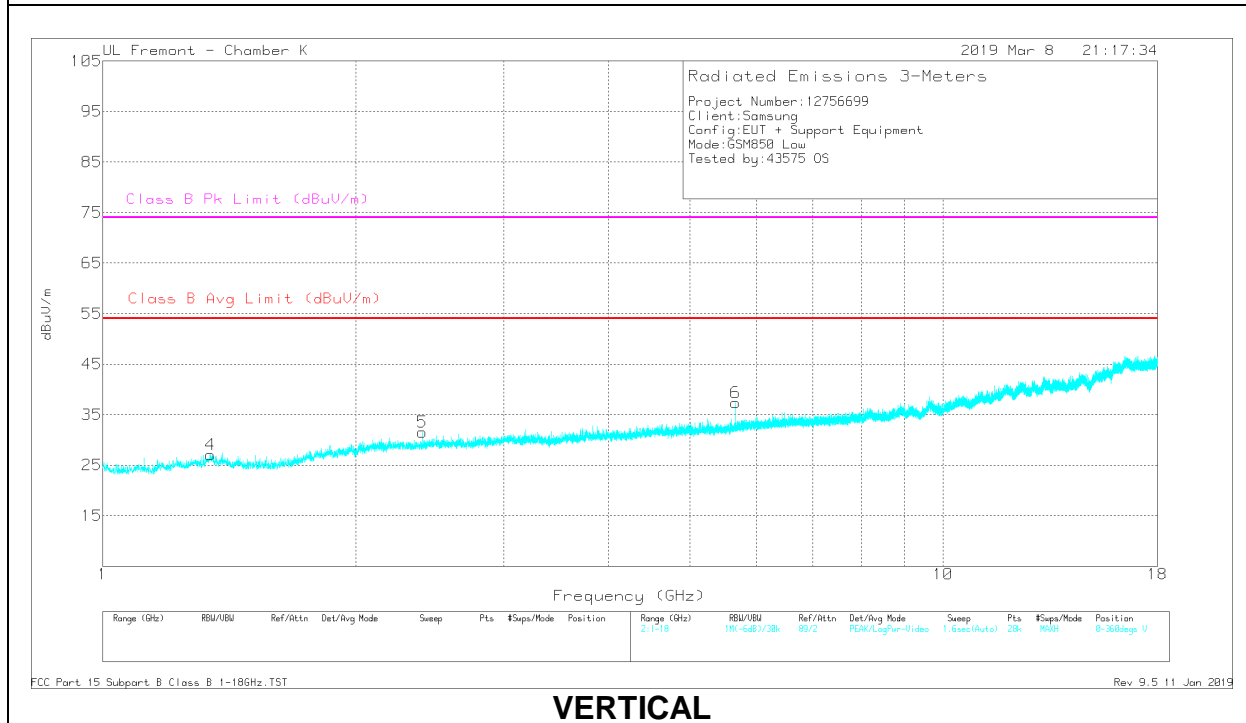
Qp - Quasi-Peak detector

### 10.1.2. ABOVE 1GHz

#### LOW CHANNEL



#### HORIZONTAL



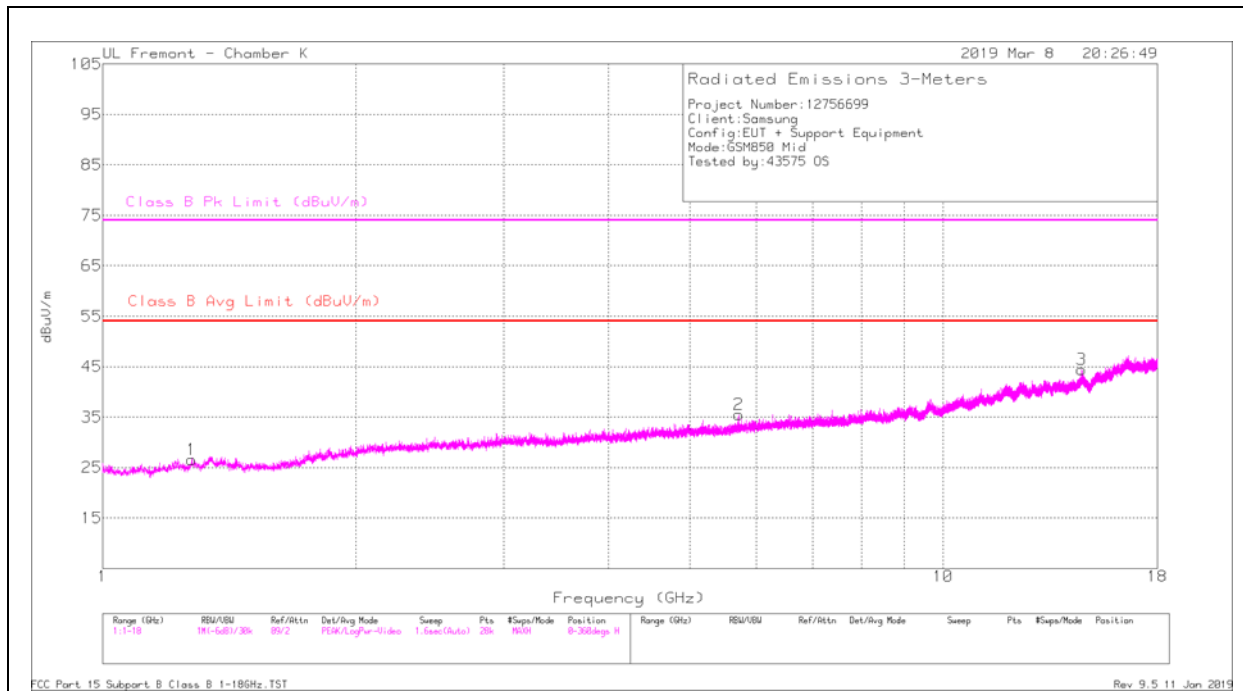
#### VERTICAL

**RADIATED EMISSIONS**

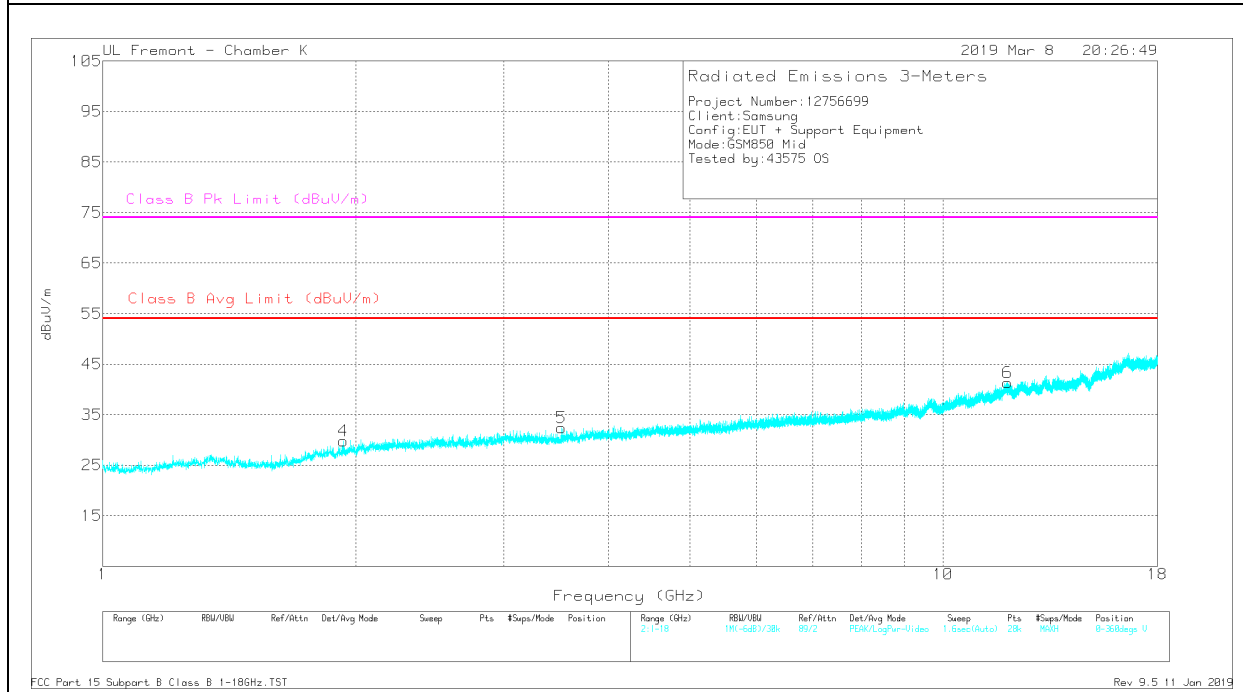
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.289	33.3	Pk	28.7	-35.4	26.6	-	-	74	-47.4	351	373	H
1.289	20.39	Av	28.7	-35.4	13.69	54	-40.31	-	-	351	373	H
4.684	27.54	Pk	34.1	-31.1	30.54	-	-	74	-43.46	81	277	H
4.684	16.7	Av	34.1	-31.1	19.7	54	-34.3	-	-	81	277	H
11.896	23.72	Pk	38.4	-20.7	41.42	-	-	74	-32.58	250	303	H
11.896	10.21	Av	38.4	-20.7	27.91	54	-26.09	-	-	250	303	H
1.343	44.19	Pk	29.4	-35.4	38.19	-	-	74	-35.81	8	304	V
1.343	29.58	Av	29.4	-35.4	23.58	54	-30.42	-	-	8	304	V
2.403	43.46	Pk	32	-35.3	40.16	-	-	74	-33.84	134	285	V
2.403	29.41	Av	32	-35.3	26.11	54	-27.89	-	-	134	285	V
5.669	37.89	Pk	34.7	-29.4	43.19	-	-	74	-30.81	326	268	V
5.669	24.3	Av	34.7	-29.4	29.6	54	-24.4	-	-	326	268	V

Pk - Peak detector  
 Av - Average detection

**MID CHANNEL**



**HORIZONTAL**



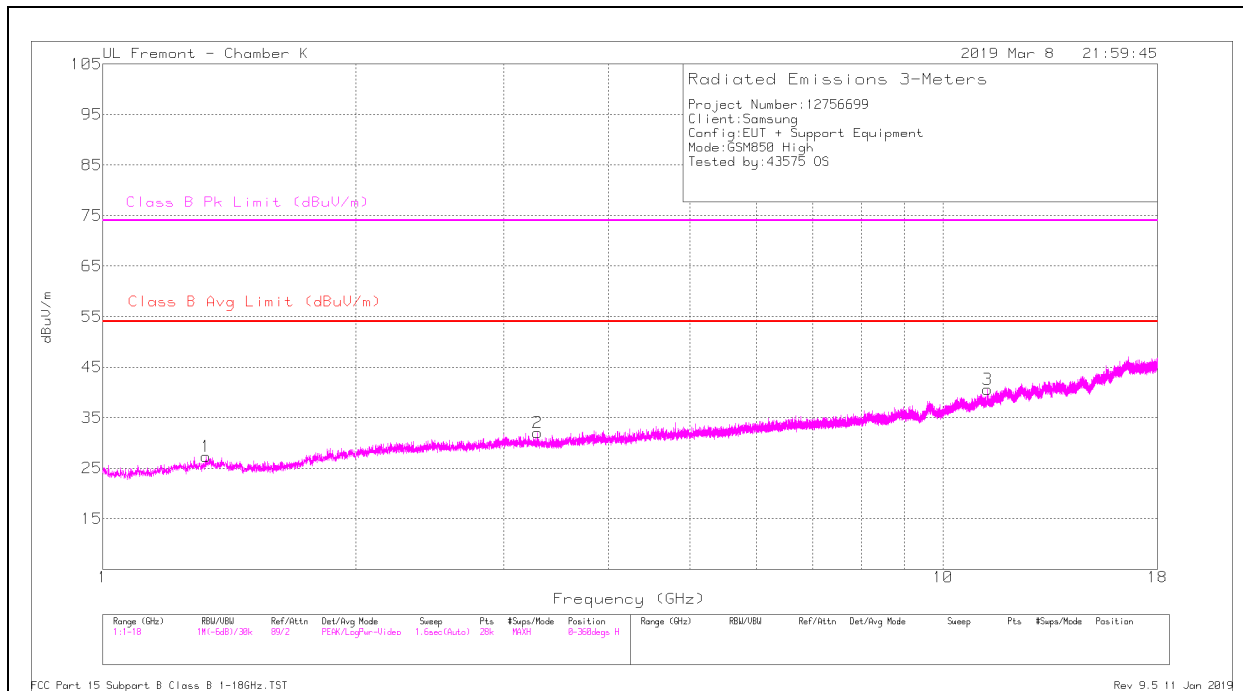
**VERTICAL**

**RADIATED EMISSIONS**

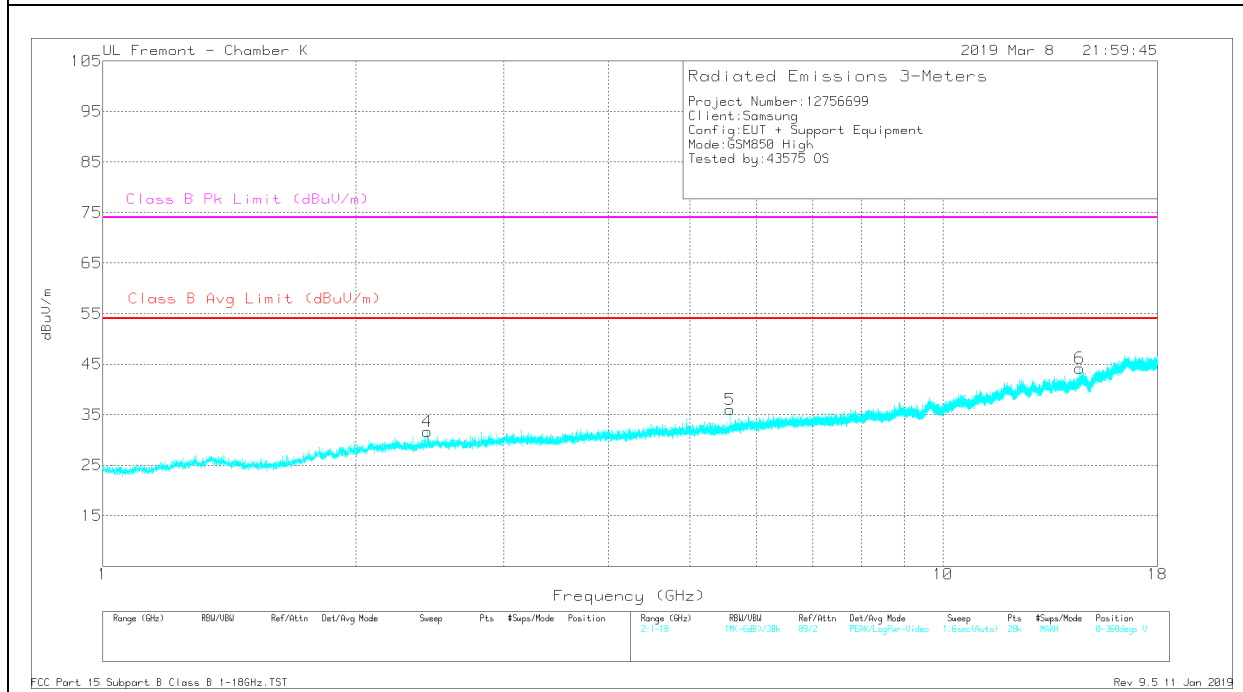
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.275	33.03	Pk	28.7	-35.4	26.33	-	-	74	-47.67	40	303	H
1.275	20.21	Av	28.7	-35.4	13.51	54	-40.49	-	-	40	303	H
5.71	27.75	Pk	34.9	-29.3	33.35	-	-	74	-40.65	122	203	H
5.71	15.02	Av	34.9	-29.3	20.62	54	-33.38	-	-	122	203	H
14.611	21.7	Pk	39.8	-19.4	42.1	-	-	74	-31.9	348	314	H
14.611	9.11	Av	39.8	-19.4	29.51	54	-24.49	-	-	348	314	H
1.931	43.65	Pk	30.7	-35.4	38.95	-	-	74	-35.05	48	325	V
1.931	30.37	Av	30.7	-35.4	25.67	54	-28.33	-	-	48	325	V
3.516	41.1	Pk	32.7	-33.2	40.6	-	-	74	-33.4	201	137	V
3.516	27.55	Av	32.7	-33.2	27.05	54	-26.95	-	-	201	137	V
11.937	33.16	Pk	38.5	-20.9	50.76	-	-	74	-23.24	60	199	V
11.937	19.31	Av	38.5	-20.9	36.91	54	-17.09	-	-	60	199	V

Pk - Peak detector  
 Av - Average detection

**HIGH CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

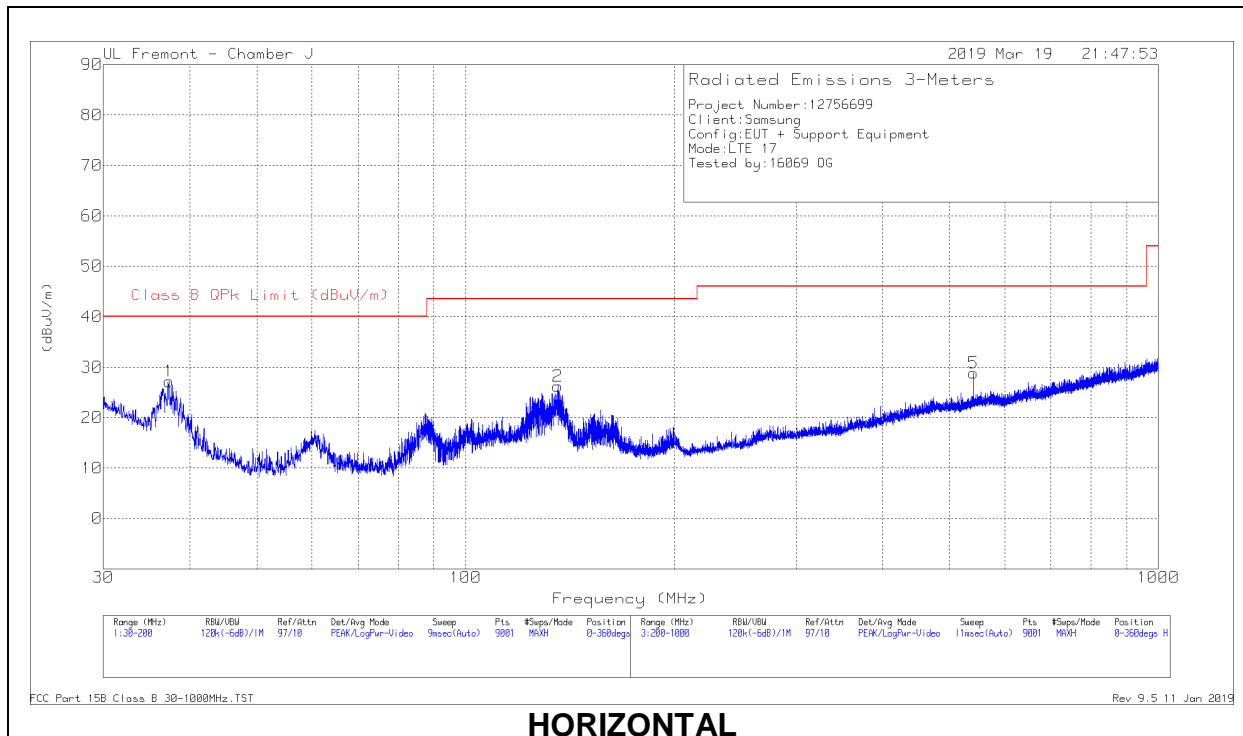
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.328	32.77	Pk	29.1	-35.4	26.47	-	-	74	-47.53	242	113	H
1.328	20.15	Av	29.1	-35.4	13.85	54	-40.15	-	-	242	113	H
3.293	31.45	Pk	32.8	-33.6	30.65	-	-	74	-43.35	8	264	H
3.293	18.86	Av	32.8	-33.6	18.06	54	-35.94	-	-	8	264	H
11.299	23.29	Pk	38	-21.7	39.59	-	-	74	-34.41	333	262	H
11.299	10.19	Av	38	-21.7	26.49	54	-27.51	-	-	333	262	H
2.435	44.5	Pk	32.2	-35.3	41.4	-	-	74	-32.6	86	310	V
2.435	29.67	Av	32.2	-35.3	26.57	54	-27.43	-	-	86	310	V
5.577	37.79	Pk	34.6	-29.6	42.79	-	-	74	-31.21	89	297	V
5.577	24.42	Av	34.6	-29.6	29.42	54	-24.58	-	-	89	297	V
14.538	31.44	Pk	39.7	-19	52.14	-	-	74	-21.86	225	294	V
14.538	17.92	Av	39.7	-19	38.62	54	-15.38	-	-	225	294	V

Pk - Peak detector  
 Av - Average detection

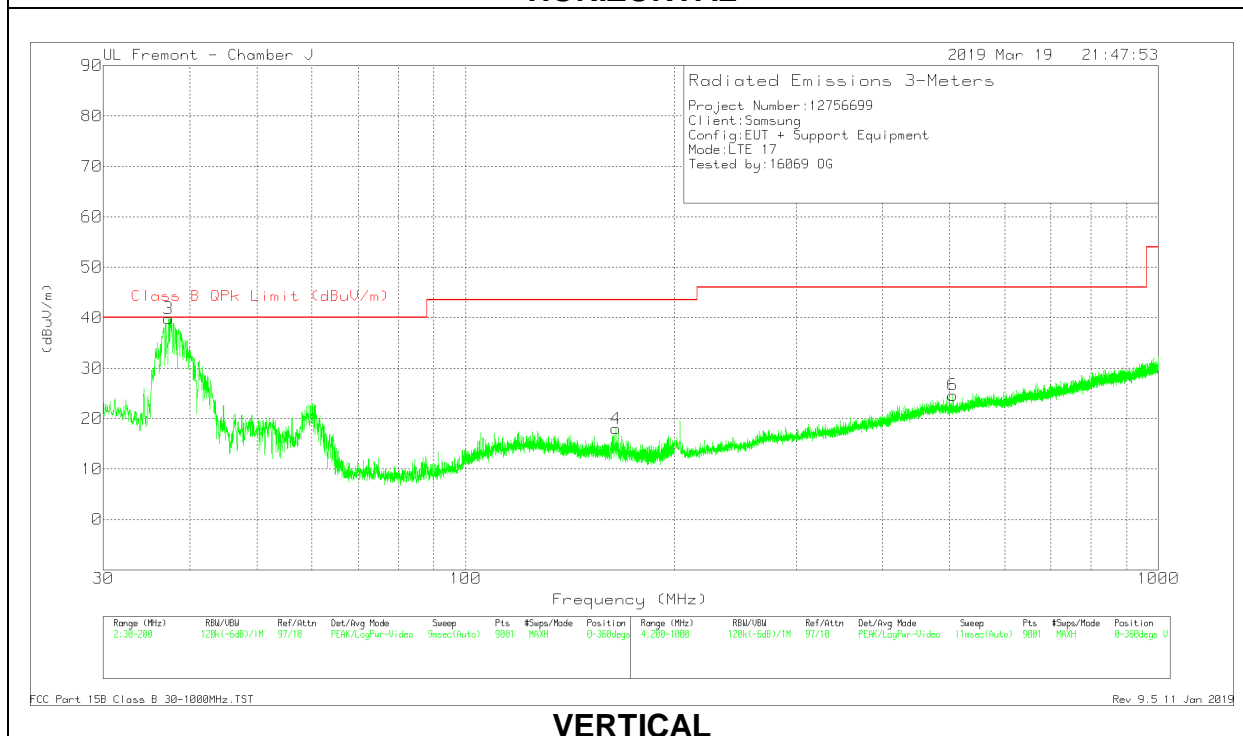
## 10.2. LTE Band 17

### 10.2.1. BELOW 1GHz

#### LOW CHANNEL



#### HORIZONTAL



#### VERTICAL

**RADIATED EMISSIONS**

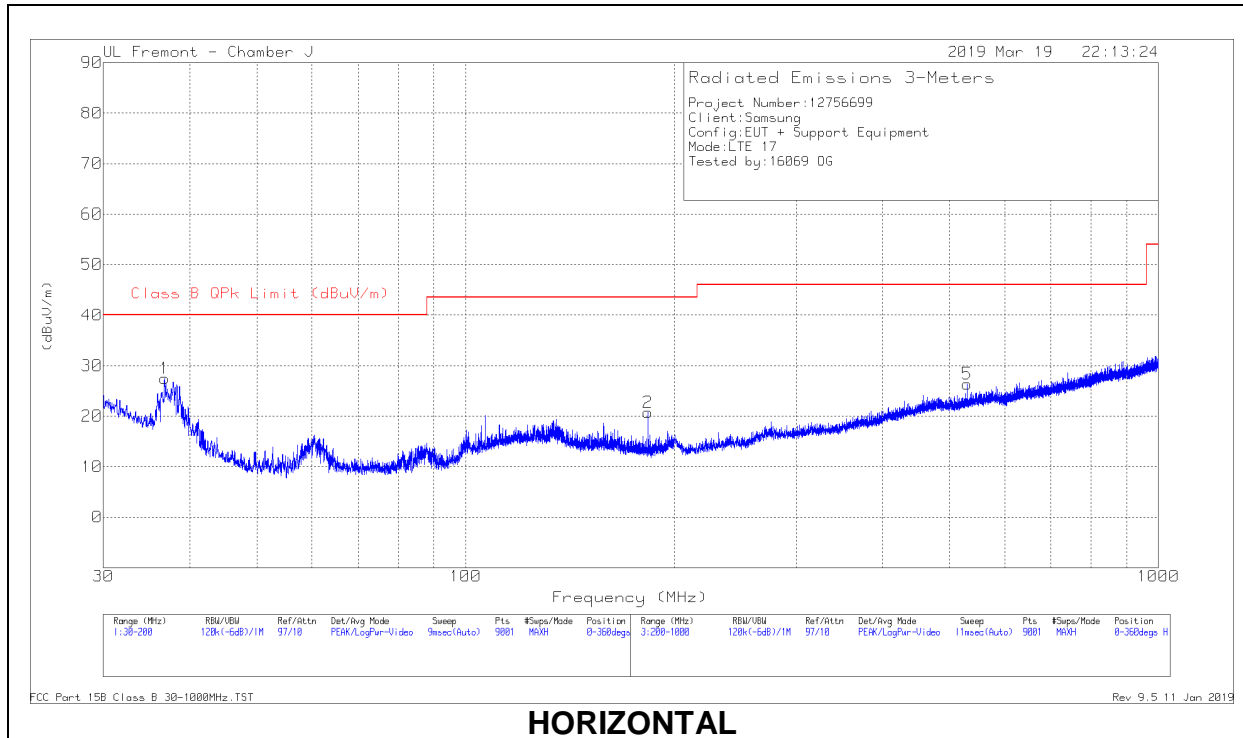
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	37.3289	37.27	Pk	21.4	-31.5	27.17	40	-12.83	0-360	298	H
2	135.8917	37.7	Pk	19.2	-30.7	26.2	43.52	-17.32	0-360	98	H
3	37.2912	49.92	Pk	21.4	-31.5	39.82	40	-.18	0-360	101	V
4	164.7919	30.48	Pk	18	-30.5	17.98	43.52	-25.54	0-360	101	V
5	540.8004	34.11	Pk	24.1	-29.4	28.81	46.02	-17.21	0-360	298	H
6	504.9782	30.57	Pk	23.6	-29.5	24.67	46.02	-21.35	0-360	198	V

Pk - Peak detector

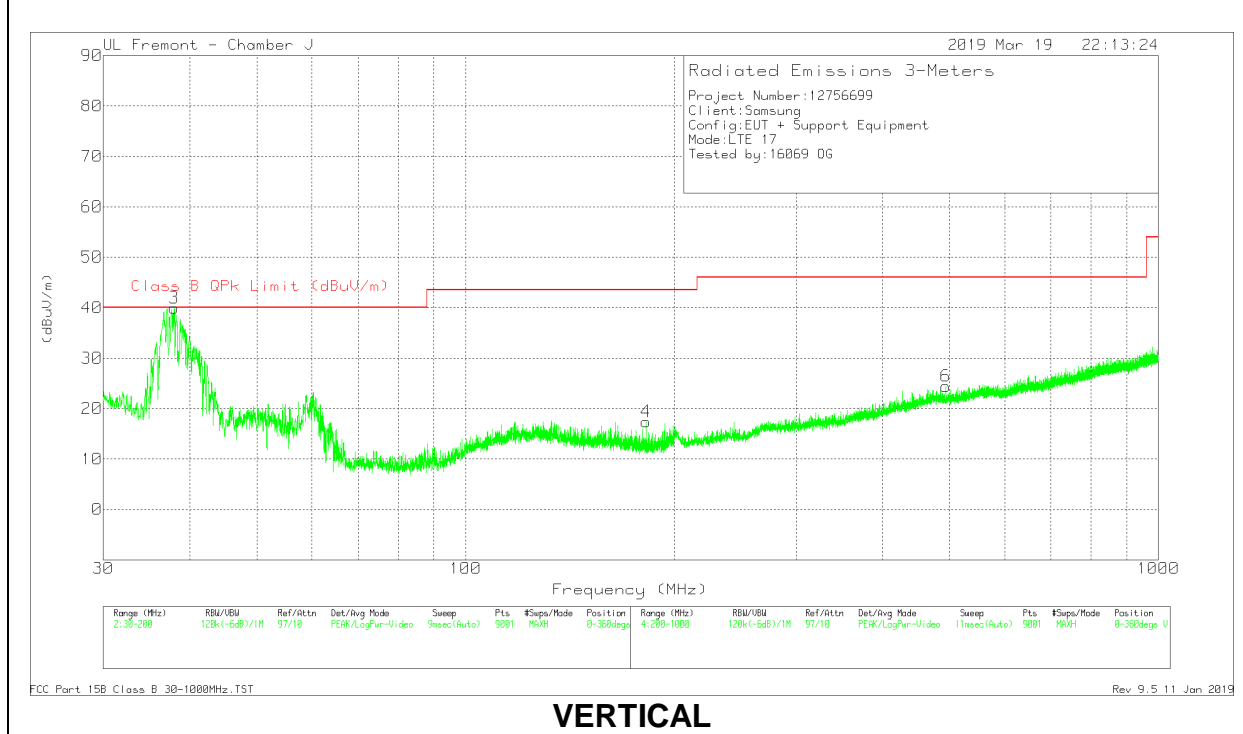
Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
37.495	50.86	Pk	21.3	-31.5	40.66	40	.66	271	108	V
37.3727	43.14	Qp	21.3	-31.5	32.94	40	-7.06	271	108	V

Qp - Quasi-Peak detector

**MID CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

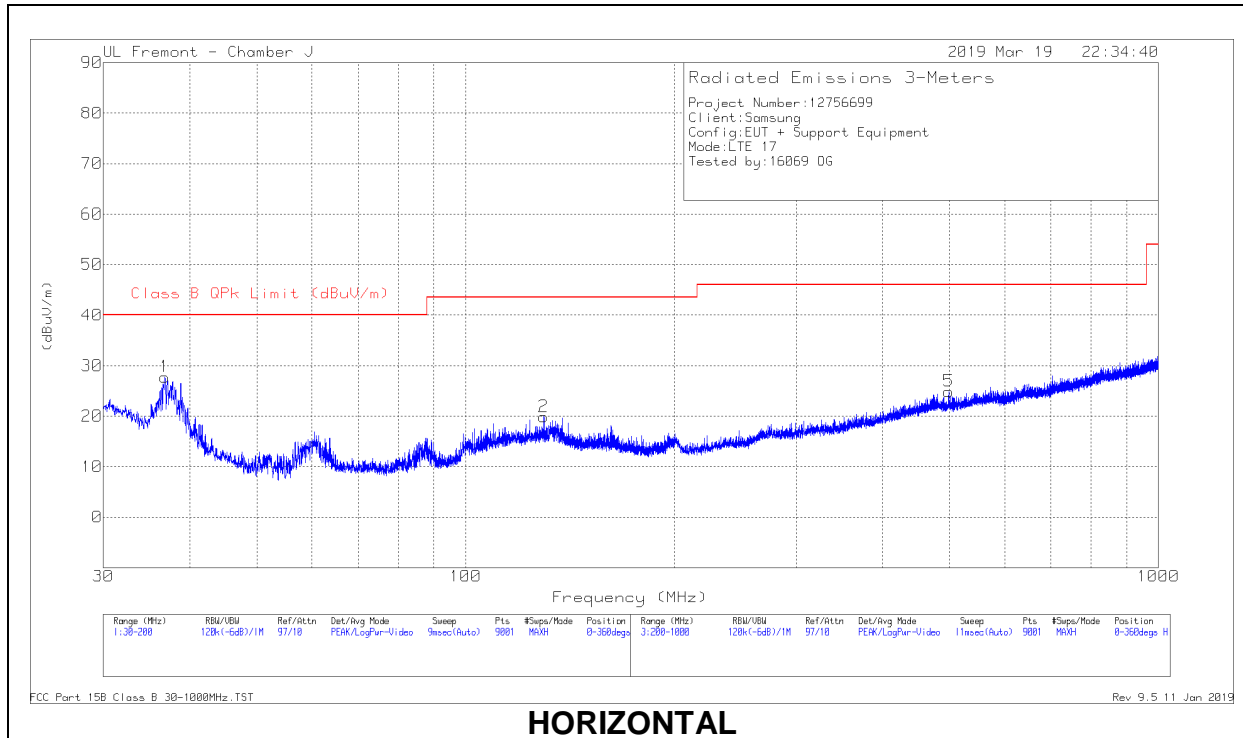
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	36.7812	37.17	Pk	21.8	-31.5	27.47	40	-12.53	0-360	198	H
2	183.2653	34.25	Pk	17	-30.5	20.75	43.52	-22.77	0-360	99	H
3	37.9806	50.55	Pk	20.9	-31.5	39.95	40	-.05	0-360	101	V
4	182.2831	30.89	Pk	17	-30.5	17.39	43.52	-26.13	0-360	101	V
5	529.5115	31.86	Pk	23.9	-29.4	26.36	46.02	-19.66	0-360	298	H
6	493.5115	30.23	Pk	23.6	-29.4	24.43	46.02	-21.59	0-360	101	V

Pk - Peak detector

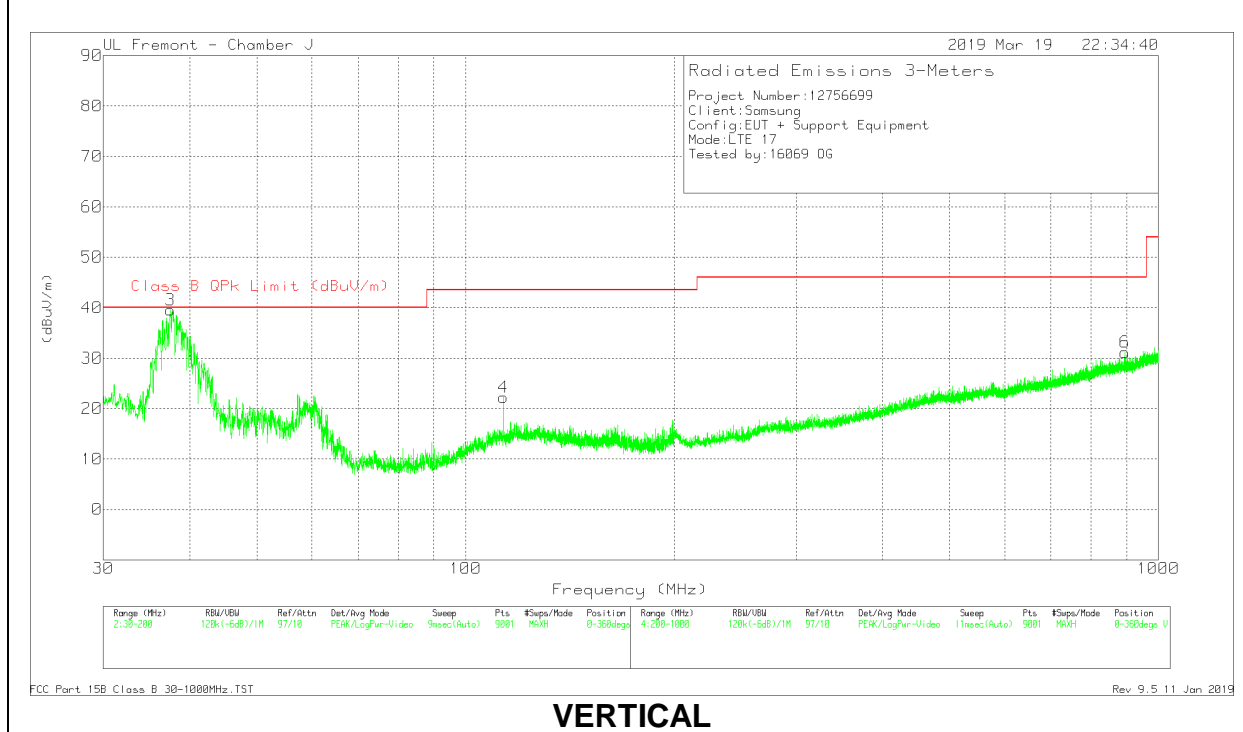
Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
37.9096	50.26	Pk	21	-31.5	39.76	40	-.24	273	127	V
37.8732	42.34	Qp	21	-31.5	31.84	40	-8.16	273	127	V

Qp - Quasi-Peak detector

**HIGH CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	36.7812	37.48	Pk	21.8	-31.5	27.78	40	-12.22	0-360	298	H
2	129.7528	30.92	Pk	19.7	-30.7	19.92	43.52	-23.6	0-360	101	H
3	37.48	49.74	Pk	21.3	-31.5	39.54	40	-.46	0-360	101	V
4	113.4138	33.93	Pk	19.1	-30.8	22.23	43.52	-21.29	0-360	101	V
5	498.2226	30.82	Pk	23.6	-29.5	24.92	46.02	-21.1	0-360	199	H
6	895.0231	30.35	Pk	28.2	-27.4	31.15	46.02	-14.87	0-360	101	V

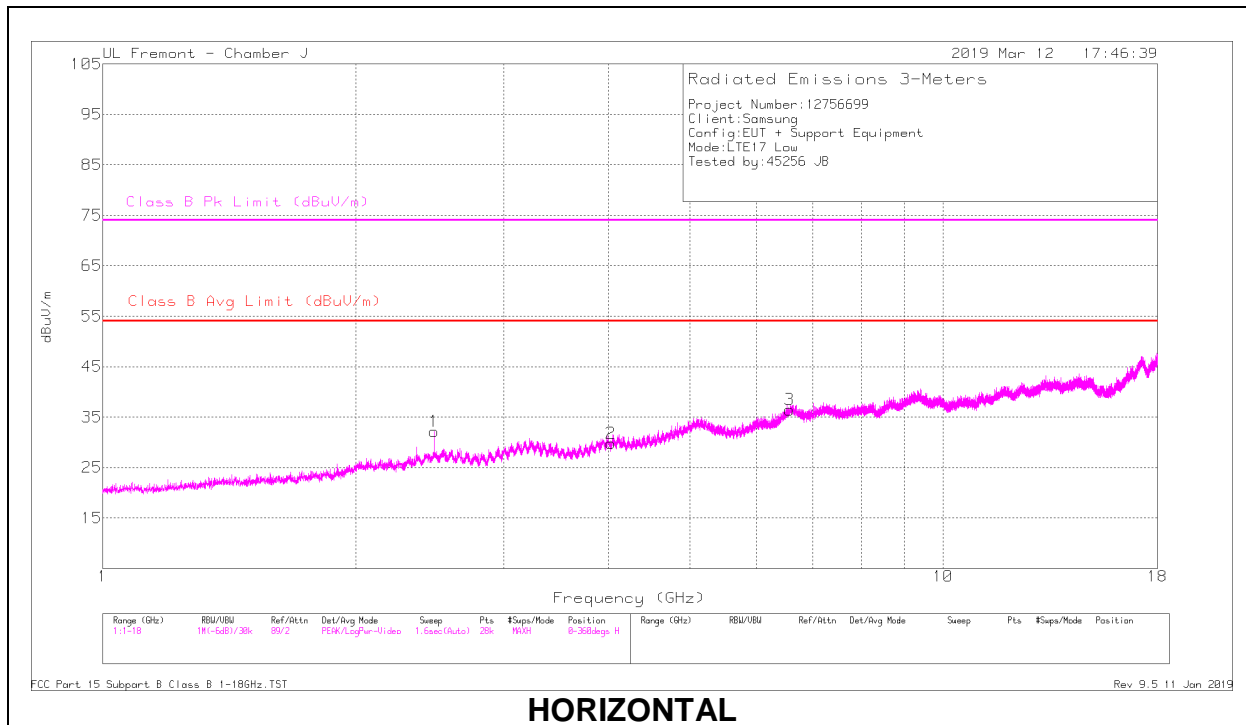
Pk - Peak detector

Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
37.6349	51.15	Pk	21.2	-31.5	40.85	40	.85	191	106	V
37.4047	43.1	Qp	21.3	-31.5	32.9	40	-7.1	191	106	V

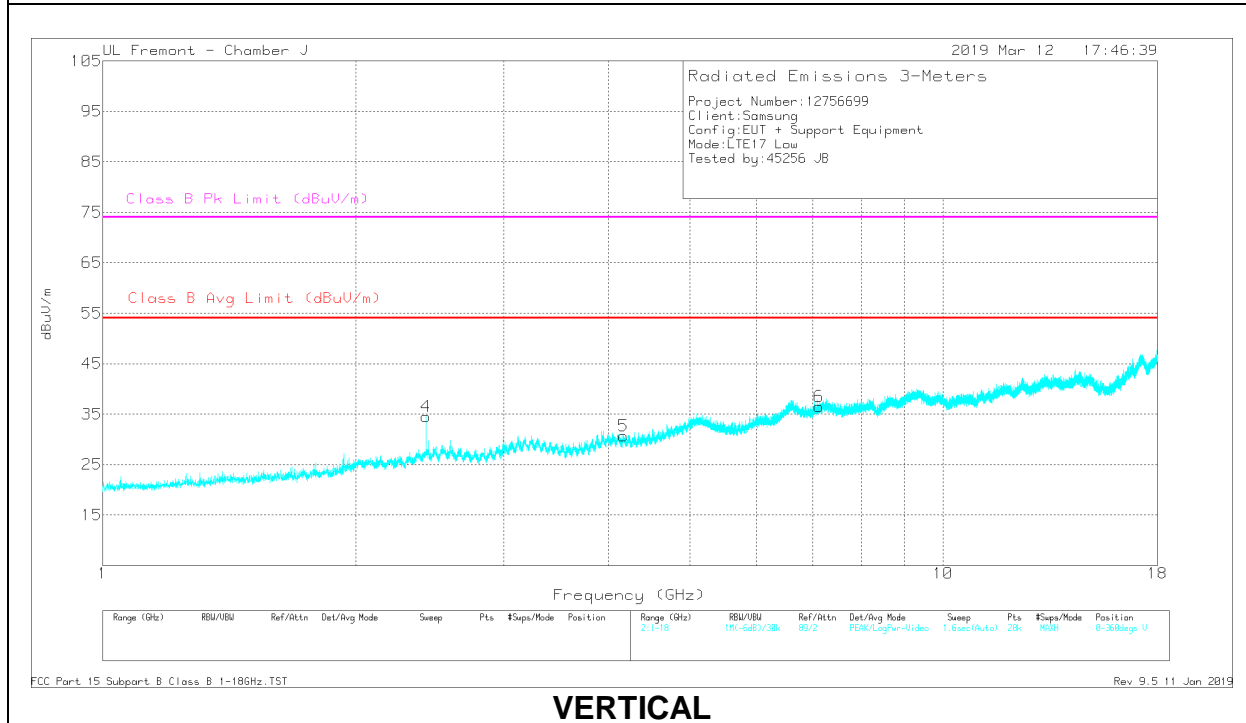
Qp - Quasi-Peak detector

**10.2.2. ABOVE 1GHz**

**LOW CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

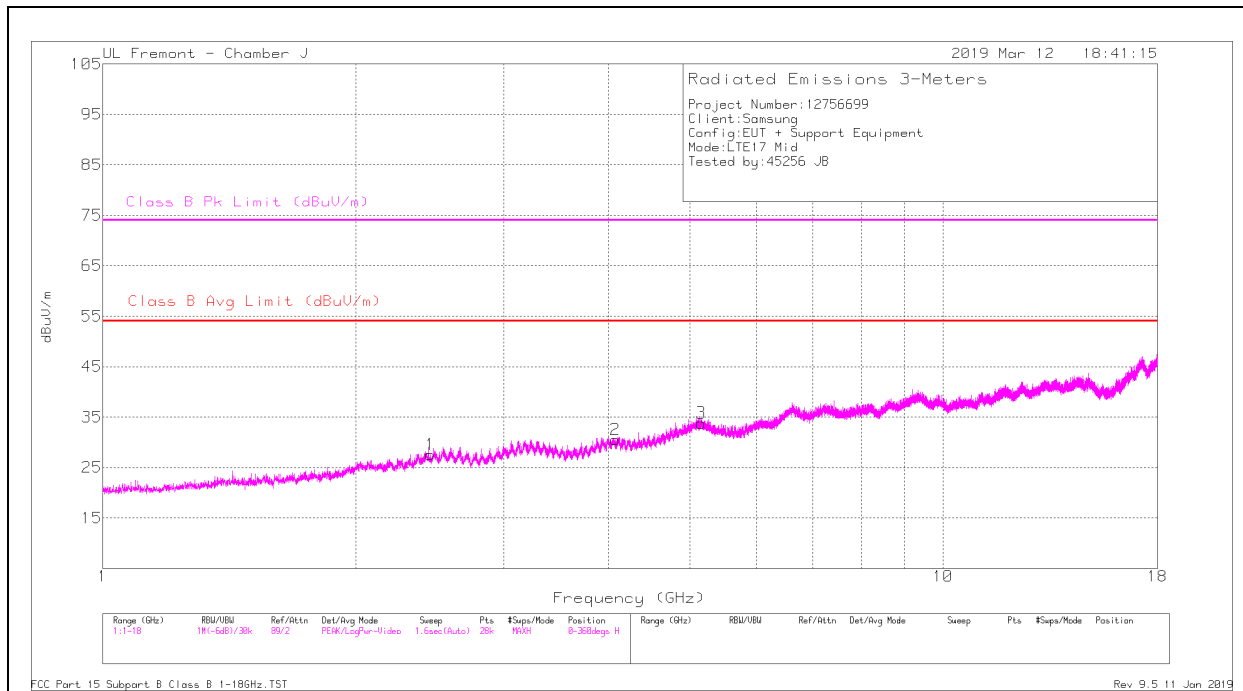
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE018905 5 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.48	38.01	Avg	29.9	-35.8	32.11	54	-21.89	-	-	0-360	198	H
2	4.026	30.44	Avg	32.3	-33	29.74	54	-24.26	-	-	0-360	198	H
3	6.566	27.34	Avg	38.2	-29.1	36.44	54	-17.56	-	-	0-360	198	H
4	2.426	40.67	Avg	29.7	-35.9	34.47	54	-19.53	-	-	0-360	101	V
5	4.168	31.14	Avg	32.1	-32.6	30.64	54	-23.36	-	-	0-360	101	V
6	7.121	27.02	Avg	37.8	-28.3	36.52	54	-17.48	-	-	0-360	198	V

Pk - Peak detector

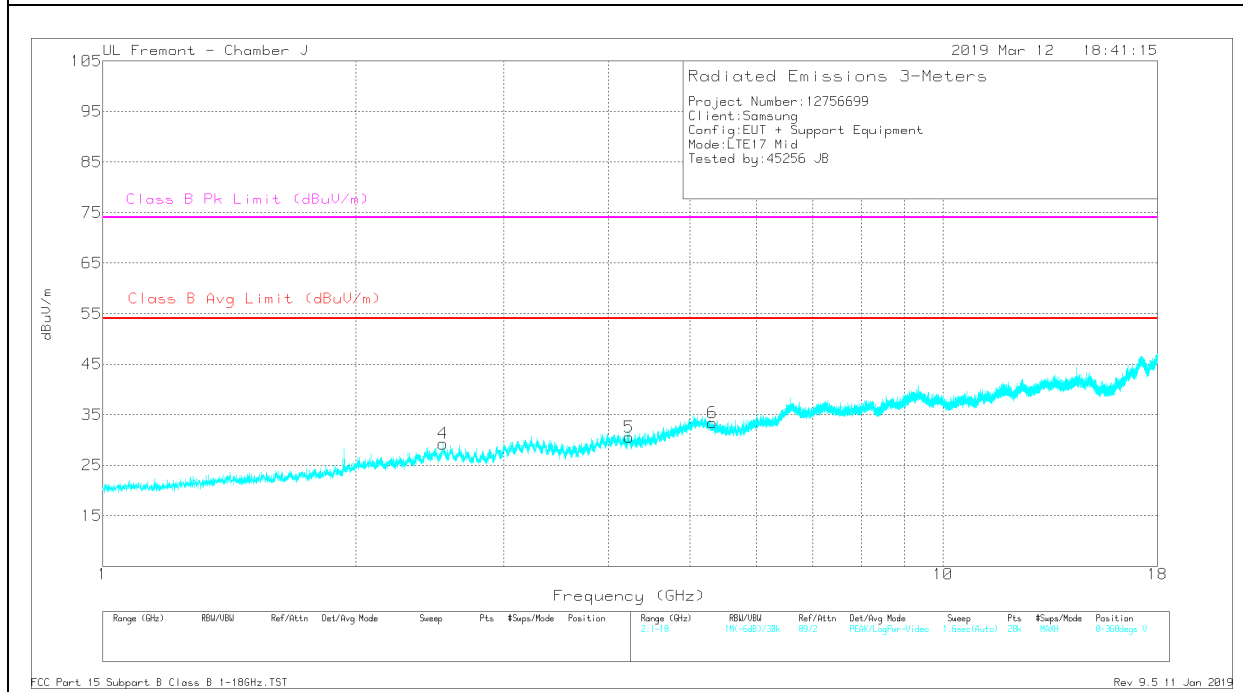
Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE018905 5 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.48	46.31	Pk	29.9	-35.8	40.41	-	-	74	-33.59	10	287	H
2.48	21.62	Av	29.9	-35.8	15.72	54	-38.28	-	-	10	287	H
4.026	27.79	Avg	32.3	-33	27.09	54	-26.91	-	-	353	176	H
4.026	17.75	Av	32.3	-33	17.05	54	-36.95	-	-	353	176	H
6.566	24.68	Avg	38.2	-29.1	33.78	54	-20.22	-	-	171	165	H
6.566	15.02	Av	38.2	-29.1	24.12	54	-29.88	-	-	171	165	H
2.426	48.79	Avg	29.8	-35.9	42.69	54	-11.31	-	-	266	322	V
2.426	30.66	Av	29.8	-35.9	24.56	54	-29.44	-	-	266	322	V
4.169	32.57	Avg	32.1	-32.5	32.17	54	-21.83	-	-	130	336	V
4.169	27.56	Av	32.1	-32.5	27.16	54	-26.84	-	-	130	336	V
7.12	28.12	Avg	37.8	-28.3	37.62	54	-16.38	-	-	83	166	V
7.12	23.32	Av	37.8	-28.3	32.82	54	-21.18	-	-	83	166	V

Av - Average detection

**MID CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

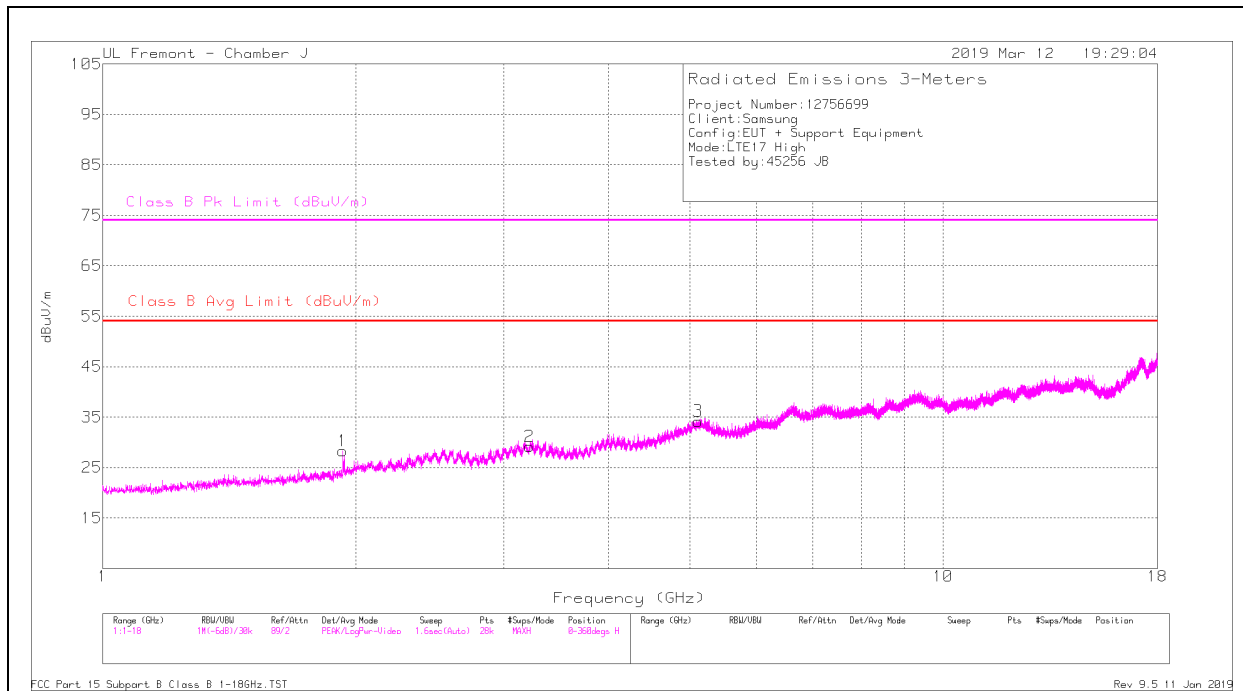
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE018905 5 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.454	33.48	Avg	29.9	-35.8	27.58	54	-26.42	-	-	0-360	198	H
2	4.075	30.91	Avg	32.3	-32.7	30.51	54	-23.49	-	-	0-360	198	H
3	5.158	29.63	Avg	35.7	-31.5	33.83	54	-20.17	-	-	0-360	102	H
4	2.541	34.84	Avg	30.2	-35.8	29.24	54	-24.76	-	-	0-360	198	V
5	4.229	31.14	Avg	32	-32.6	30.54	54	-23.46	-	-	0-360	102	V
6	5.316	30.17	Avg	34.8	-31.6	33.37	54	-20.63	-	-	0-360	198	V

Pk - Peak detector

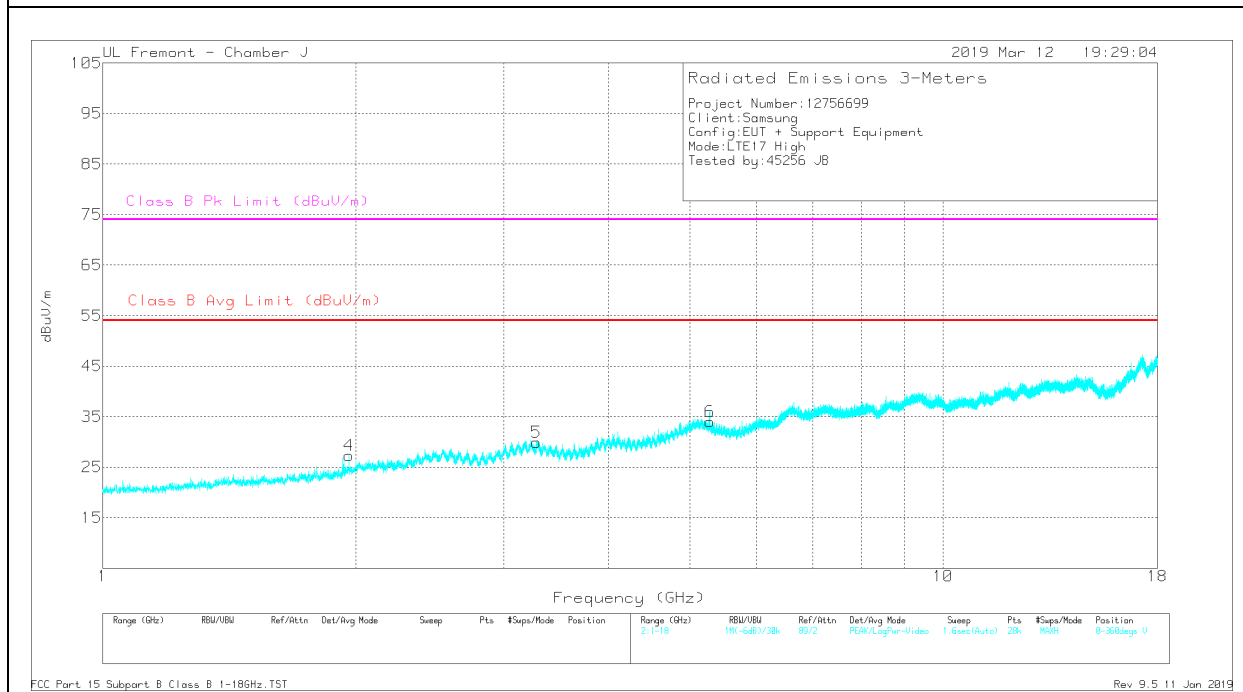
Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE018905 5 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.453	33.19	Pk	29.9	-35.8	27.29	-	-	74	-46.71	99	110	H
2.453	20.29	Av	29.9	-35.8	14.39	54	-39.61	-	-	99	110	H
4.075	31.31	Pk	32.3	-32.7	30.91	-	-	74	-43.09	233	146	H
4.075	17.69	Av	32.3	-32.7	17.29	54	-36.71	-	-	233	146	H
5.158	29.97	Pk	35.7	-31.5	34.17	-	-	74	-39.83	240	265	H
5.158	17.57	Av	35.7	-31.5	21.77	54	-32.23	-	-	240	265	H
2.54	43.72	Pk	30.2	-35.7	38.22	-	-	74	-35.78	198	108	V
2.54	30.46	Av	30.2	-35.7	24.96	54	-29.04	-	-	198	108	V
4.229	41.26	Pk	32	-32.6	40.66	-	-	74	-33.34	173	203	V
4.229	27.48	Av	32	-32.6	26.88	54	-27.12	-	-	173	203	V
5.314	39.96	Pk	34.9	-31.6	43.26	-	-	74	-30.74	226	397	V
5.314	26.36	Av	34.9	-31.6	29.66	54	-24.34	-	-	226	397	V

Av - Average detection

**HIGH CHANNEL**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE018905 5 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.931	37.31	Avg	27	-36	28.31	54	-25.69	-	-	0-360	301	H
2	3.22	32.5	Avg	31.7	-35	29.2	54	-24.8	-	-	0-360	398	H
3	5.114	30	Avg	35.7	-31.5	34.2	54	-19.8	-	-	0-360	301	H
4	1.964	35.9	Avg	27.4	-36	27.3	54	-26.7	-	-	0-360	202	V
5	3.282	33.24	Avg	31.5	-34.8	29.94	54	-24.06	-	-	0-360	301	V
6	5.281	30.26	Avg	35.1	-31.4	33.96	54	-20.04	-	-	0-360	301	V

Pk - Peak detector

Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE018905 5 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.931	39.54	Pk	27	-36	30.54	-	-	74	-43.46	312	383	H
1.931	27.14	Av	27	-36	18.14	54	-35.86	-	-	312	383	H
3.22	33.19	Pk	31.7	-35	29.89	-	-	74	-44.11	121	225	H
3.22	19.83	Av	31.7	-35	16.53	54	-37.47	-	-	121	225	H
5.114	31.55	Pk	35.7	-31.5	35.75	-	-	74	-38.25	356	206	H
5.114	17.16	Av	35.7	-31.5	21.36	54	-32.64	-	-	356	206	H
1.964	45.28	Pk	27.4	-36	36.68	-	-	74	-37.32	254	342	V
1.964	33.76	Av	27.4	-36	25.16	54	-28.84	-	-	254	342	V
3.282	43.01	Pk	31.5	-34.8	39.71	-	-	74	-34.29	324	163	V
3.282	29.3	Av	31.5	-34.8	26	54	-28	-	-	324	163	V
5.28	39.91	Pk	35.1	-31.4	43.61	-	-	74	-30.39	108	392	V
5.28	26.3	Av	35.1	-31.4	30	54	-24	-	-	108	392	V

Av - Average detection