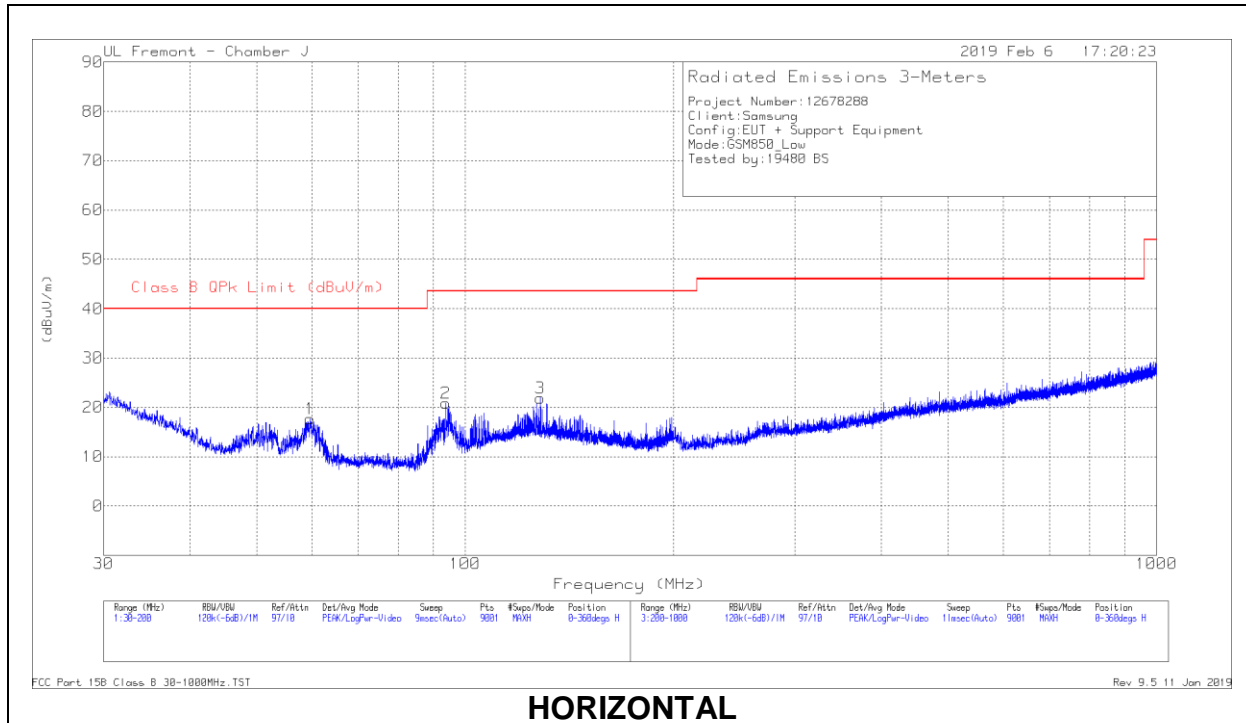


# 11. APPENDIX A: PRE-SCAN DATA FOR 15B RECEIVER MODE

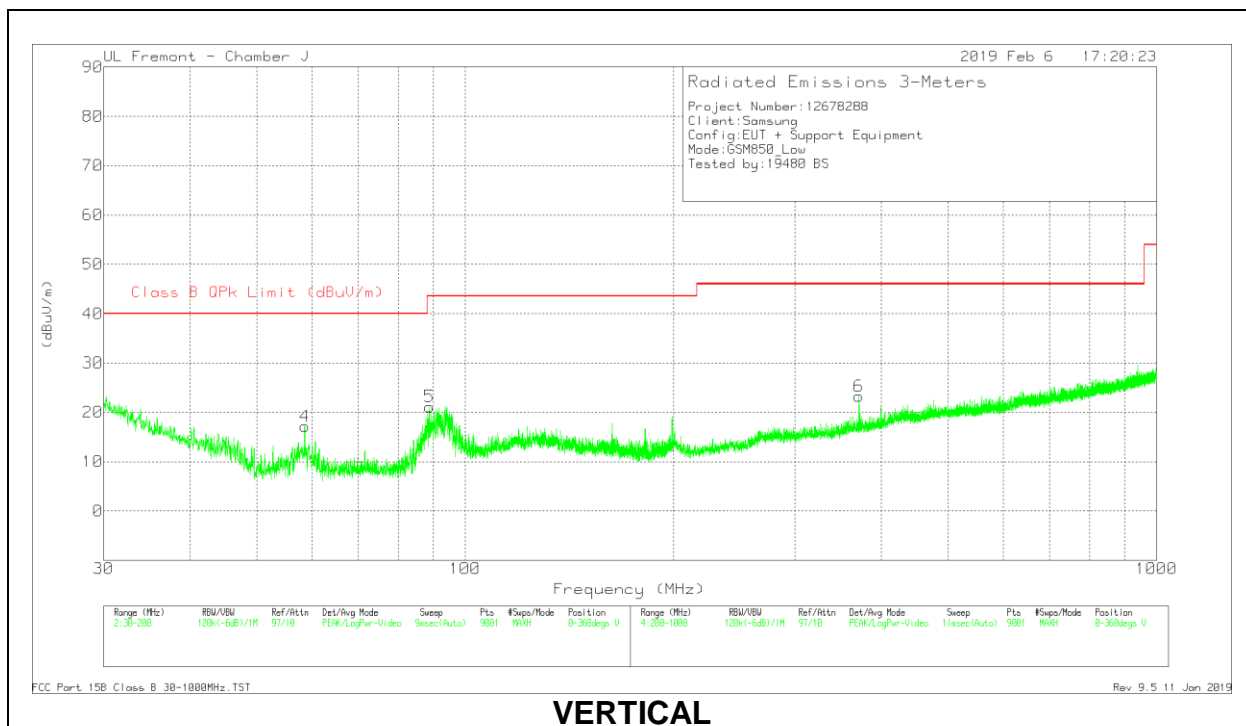
## 11.1. GSM850

### 11.1.1. BELOW 1GHz

#### LOW CHANNEL(869.2MHz)



**HORIZONTAL**



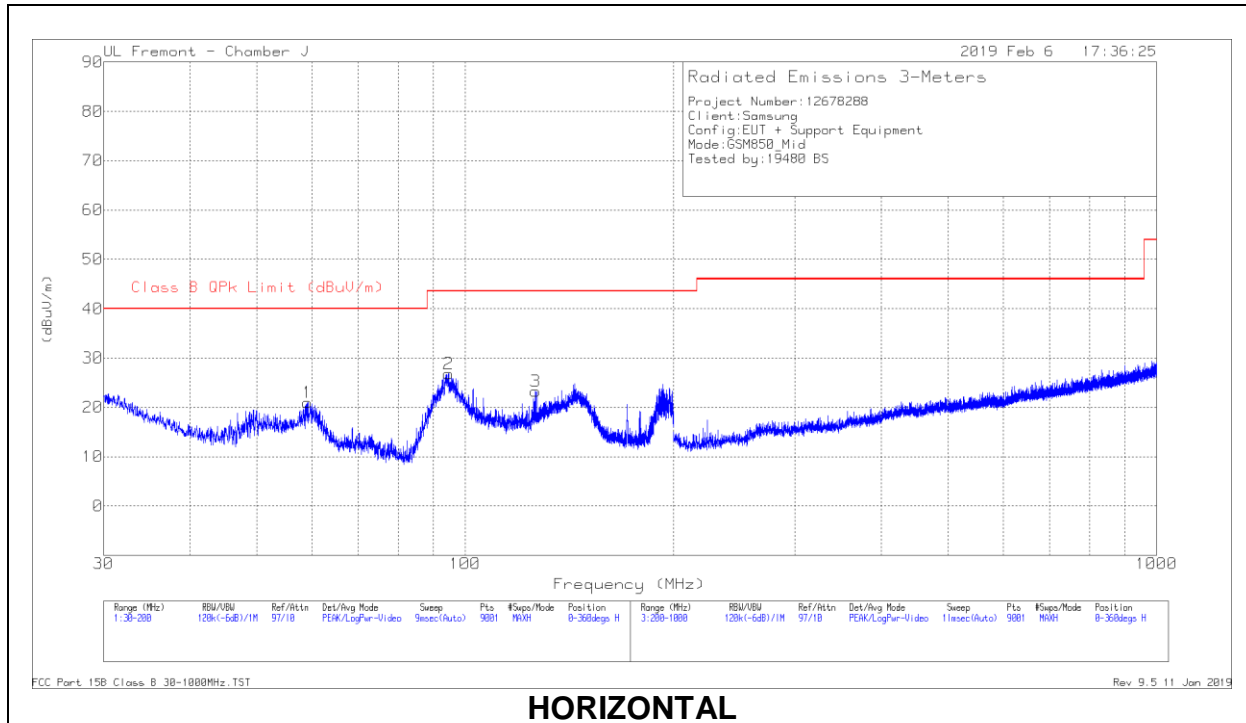
**VERTICAL**

**RADIATED EMISSIONS**

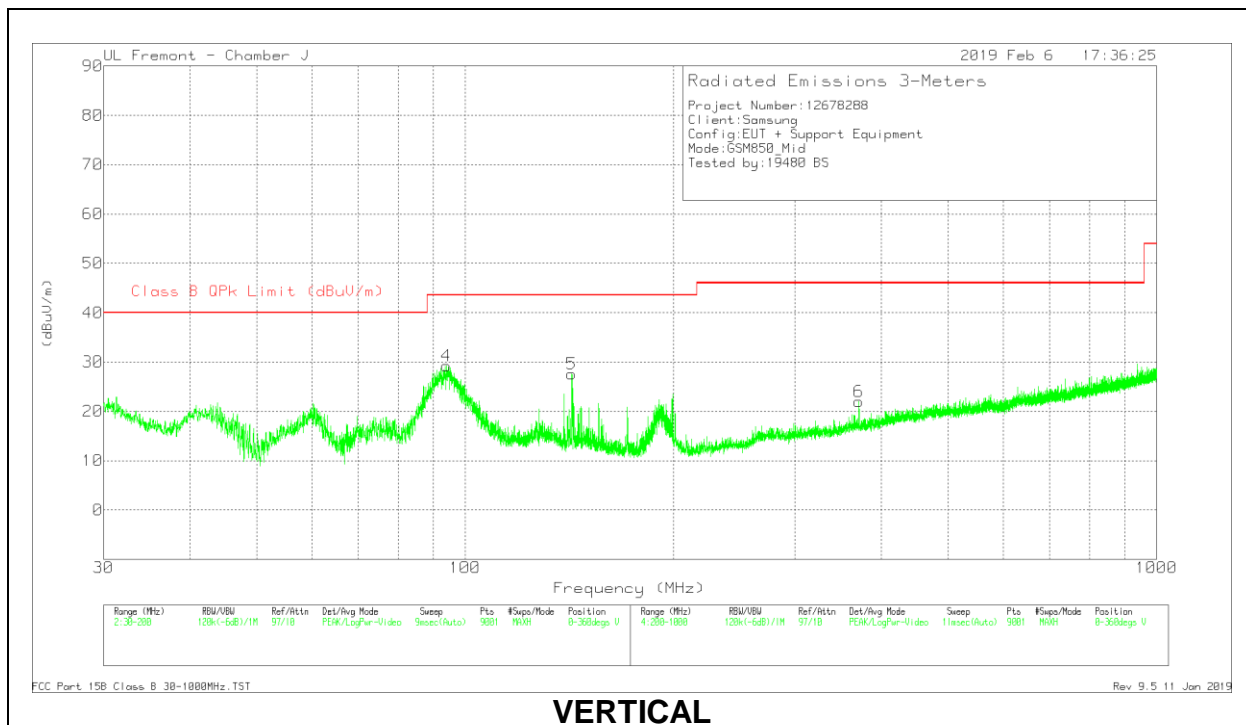
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	59.6746	35.62	Pk	13.3	-31.2	17.72	40	-22.28	0-360	298	H
2	93.7315	37.23	Pk	14.5	-30.9	20.83	43.52	-22.69	0-360	298	H
3	128.525	32.87	Pk	19.7	-30.7	21.87	43.52	-21.65	0-360	198	H
4	58.6168	35.2	Pk	13.2	-31.2	17.2	40	-22.8	0-360	101	V
5	88.7448	38.67	Pk	13.5	-31	21.17	43.52	-22.35	0-360	101	V
6	371.2002	32.23	Pk	20.8	-29.8	23.23	46.02	-22.79	0-360	101	V

Pk - Peak detector

**MID CHANNEL(881.6MHz)**



**HORIZONTAL**



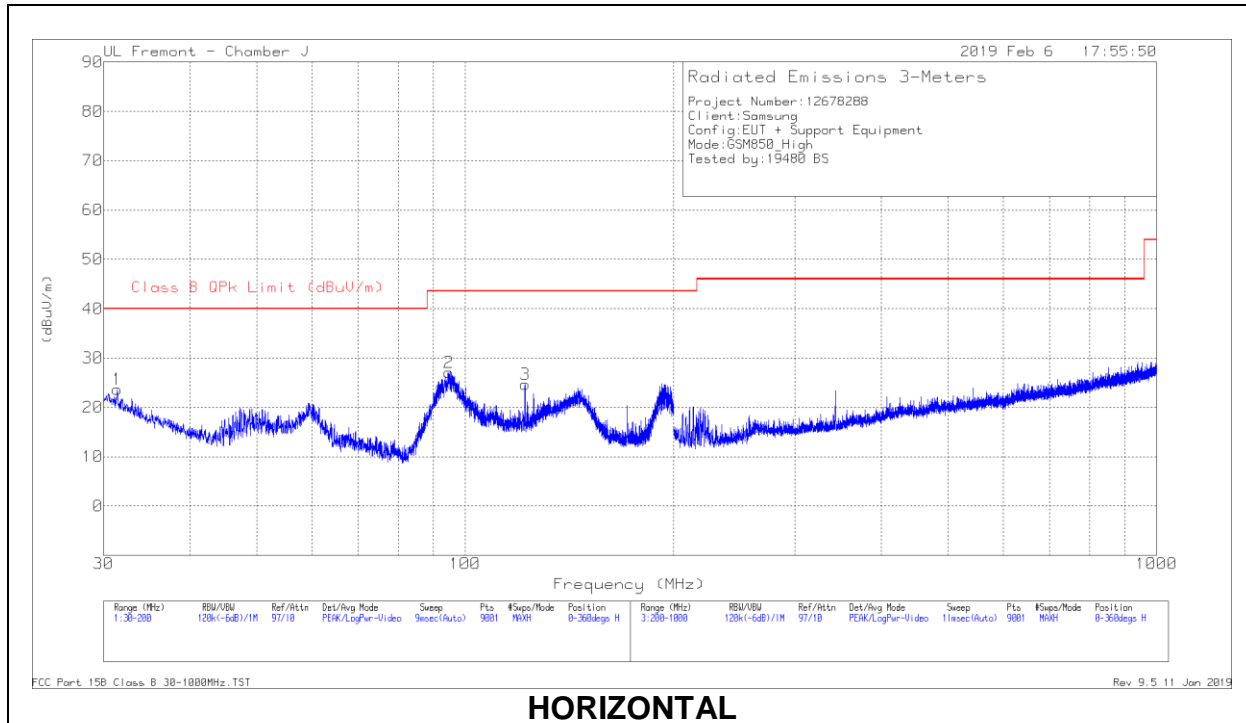
**VERTICAL**

**RADIATED EMISSIONS**

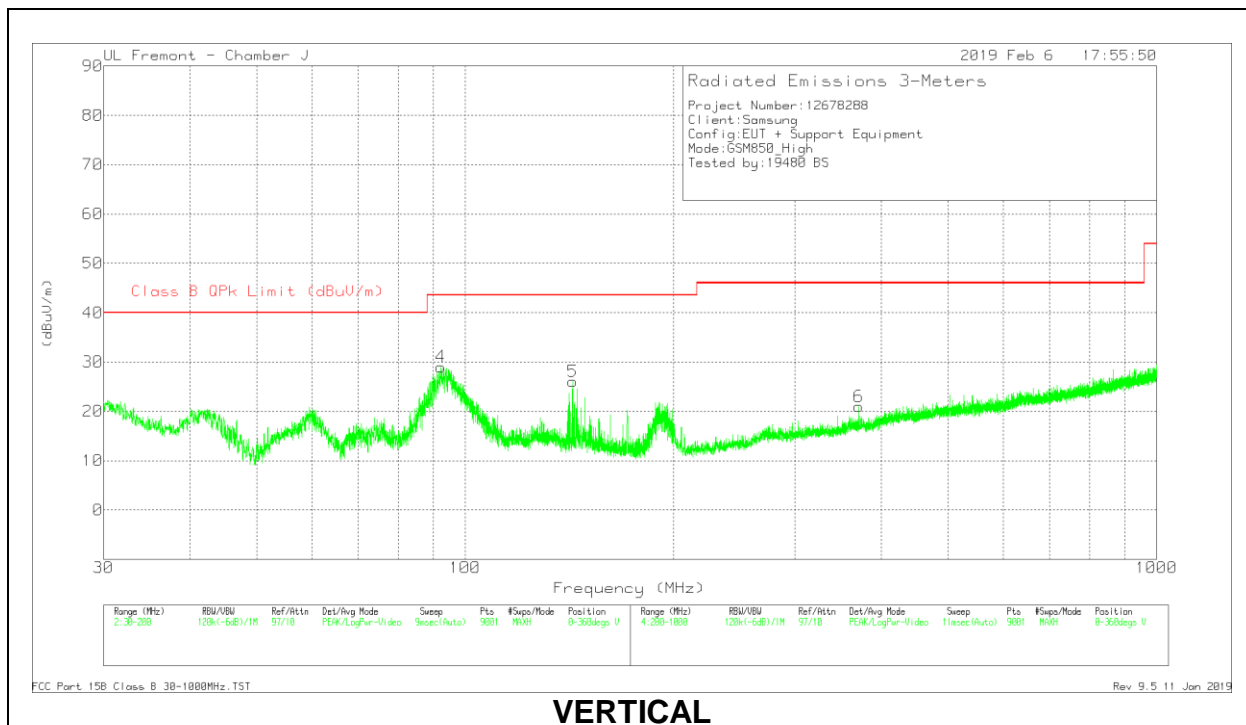
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	59.2024	38.98	Pk	13.2	-31.2	20.98	40	-19.02	0-360	298	H
2	94.6382	42.93	Pk	14.8	-30.9	26.83	43.52	-16.69	0-360	298	H
3	126.4283	34.3	Pk	19.8	-30.8	23.3	43.52	-20.22	0-360	298	H
4	93.9582	45.54	Pk	14.6	-30.9	29.24	43.52	-14.28	0-360	101	V
5	142.654	39.55	Pk	18.7	-30.7	27.55	43.52	-15.97	0-360	101	V
6	371.2002	30.94	Pk	20.8	-29.8	21.94	46.02	-24.08	0-360	101	V

Pk - Peak detector

**HIGH CHANNEL(893.8MHz)**



**HORIZONTAL**



**VERTICAL**

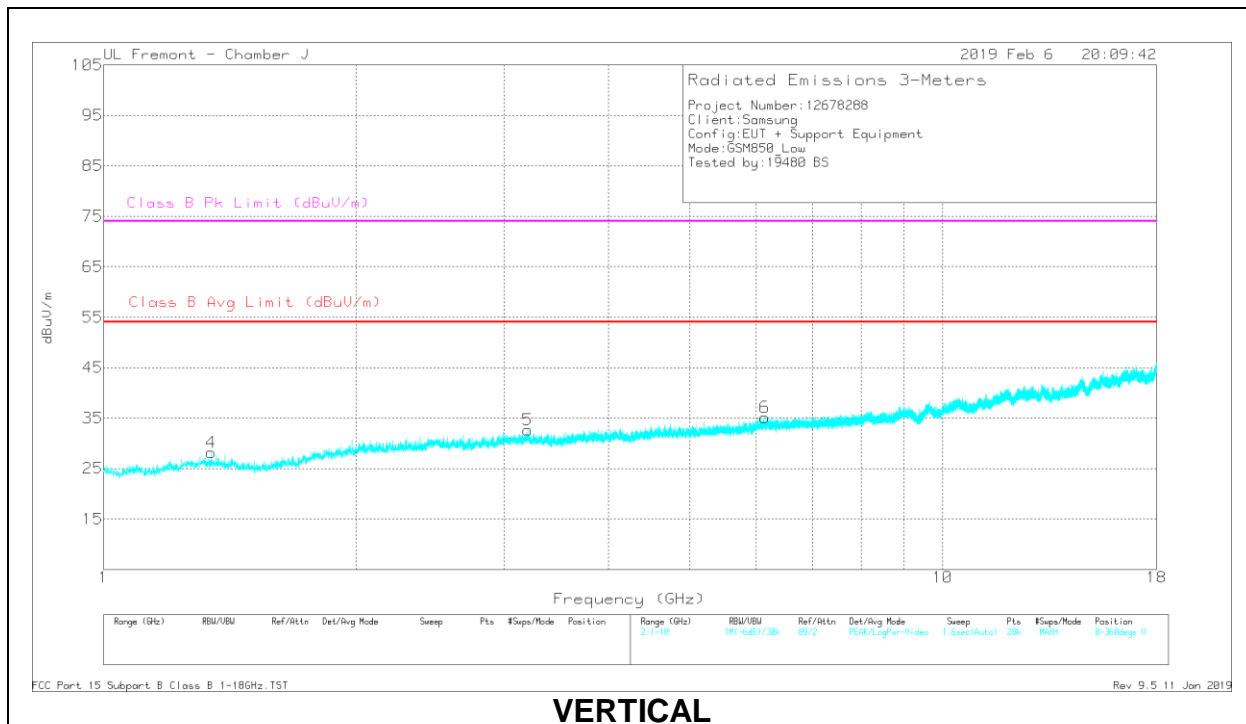
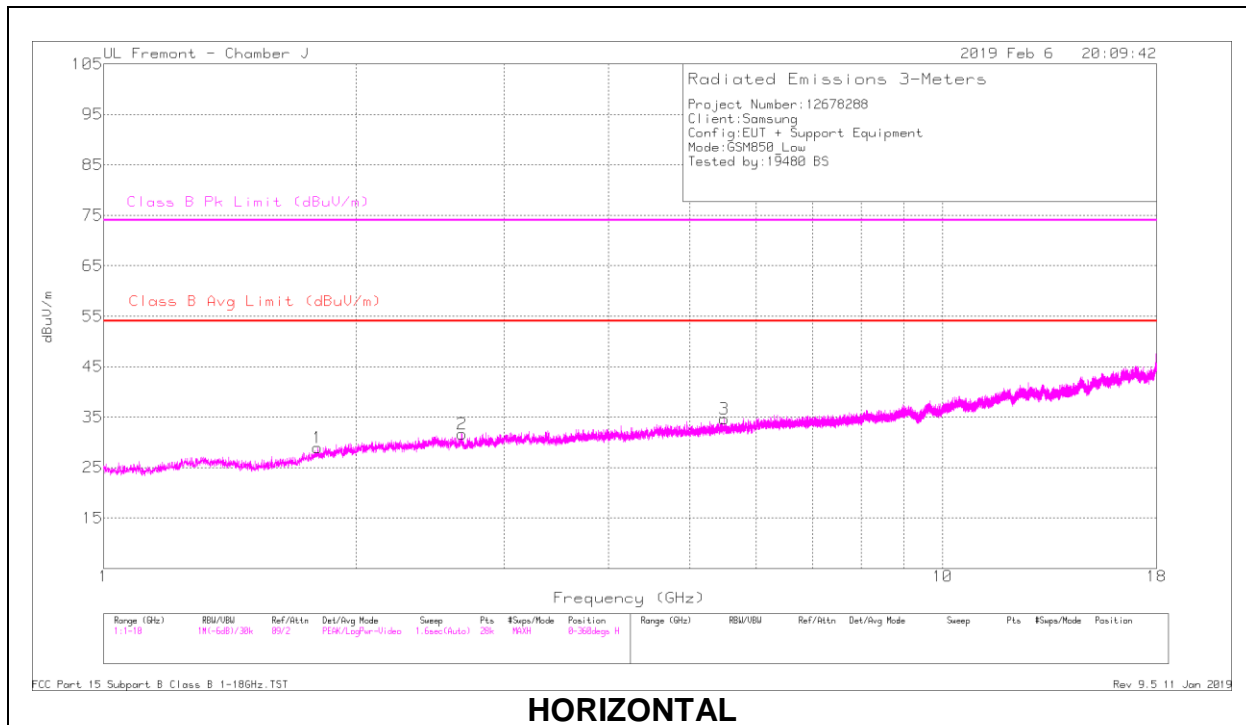
**RADIATED EMISSIONS**

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	31.3978	29.36	Pk	25.8	-31.5	23.66	40	-16.34	0-360	398	H
2	94.6948	43.17	Pk	14.8	-30.9	27.07	43.52	-16.45	0-360	298	H
3	122.0461	35.68	Pk	19.8	-30.8	24.68	43.52	-18.84	0-360	298	H
4	92.2581	45.84	Pk	14.2	-31	29.04	43.52	-14.48	0-360	101	V
5	143.1829	38.03	Pk	18.7	-30.7	26.03	43.52	-17.49	0-360	101	V
6	371.2002	29.98	Pk	20.8	-29.8	20.98	46.02	-25.04	0-360	101	V

Pk - Peak detector

**11.1.2. ABOVE 1GHz**

**LOW CHANNEL(869.2MHz)**



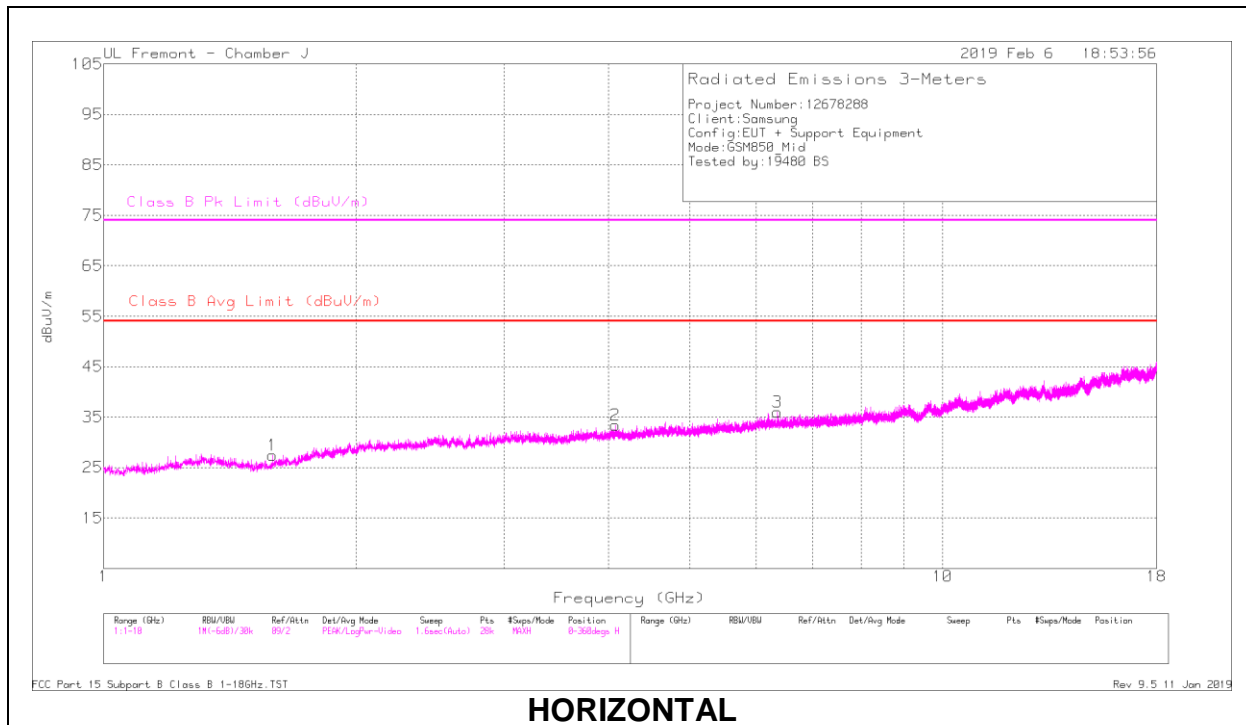
**RADIATED EMISSIONS**

Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (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
1.8	34.36	Pk	30.4	-36.1	28.66			74	-45.34	358	196	H
1.8	21.28	Av	30.4	-36.1	15.58	54	-38.42	-	-	358	196	H
2.677	34.2	Pk	32.2	-35.5	30.9			74	-43.1	115	196	H
2.677	20.94	Av	32.2	-35.5	17.64	54	-36.36	-	-	115	196	H
5.495	30.17	Pk	34.5	-30.8	33.87			74	-40.13	295	104	H
5.495	17.09	Av	34.5	-30.8	20.79	54	-33.21	-	-	295	104	H
1.345	43.24	Pk	29.3	-36.1	36.44			74	-37.56	176	196	V
1.345	29.81	Av	29.3	-36.1	23.01	54	-30.99	-	-	176	196	V
3.205	43.36	Pk	33.3	-35	41.66			74	-32.34	102	104	V
3.205	29.91	Av	33.3	-35	28.21	54	-25.79	-	-	102	104	V
6.142	38.86	Pk	35.4	-29.6	44.66			74	-29.34	279	104	V
6.142	25.03	Av	35.4	-29.6	30.83	54	-23.17	-	-	279	104	V

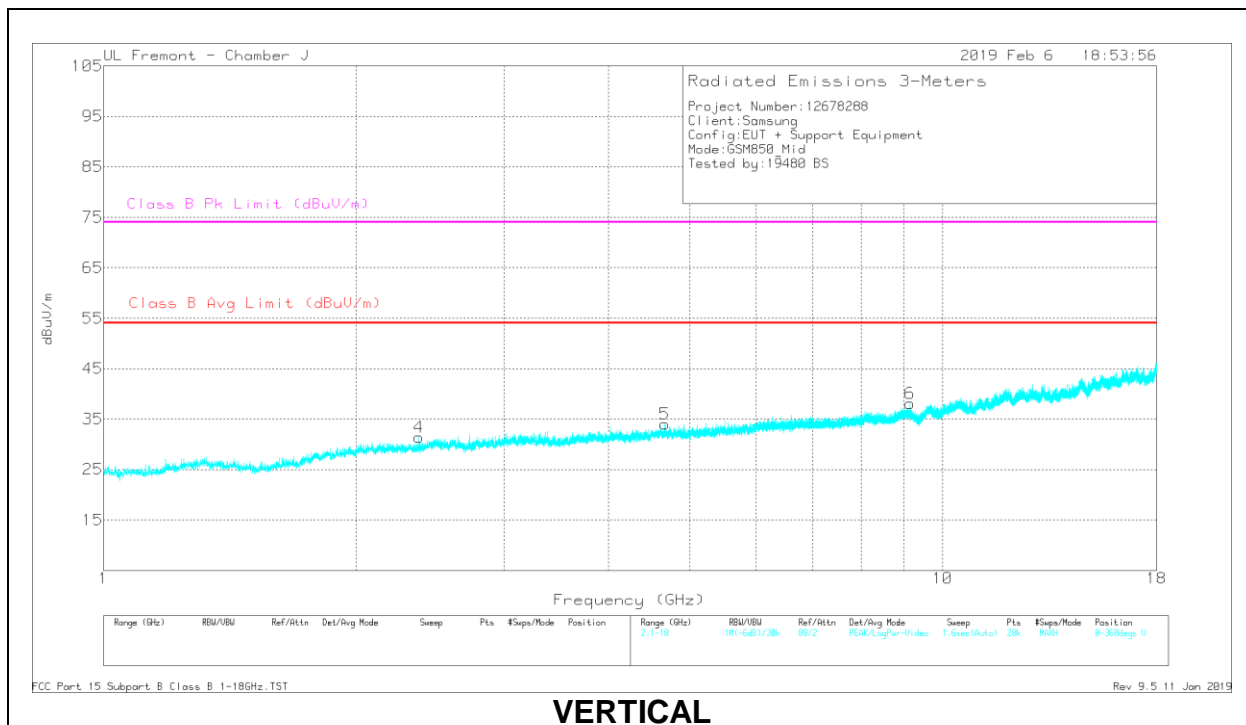
Pk - Peak detector  
 Av - Average detection



**MID CHANNEL(881.6MHz)**



**HORIZONTAL**



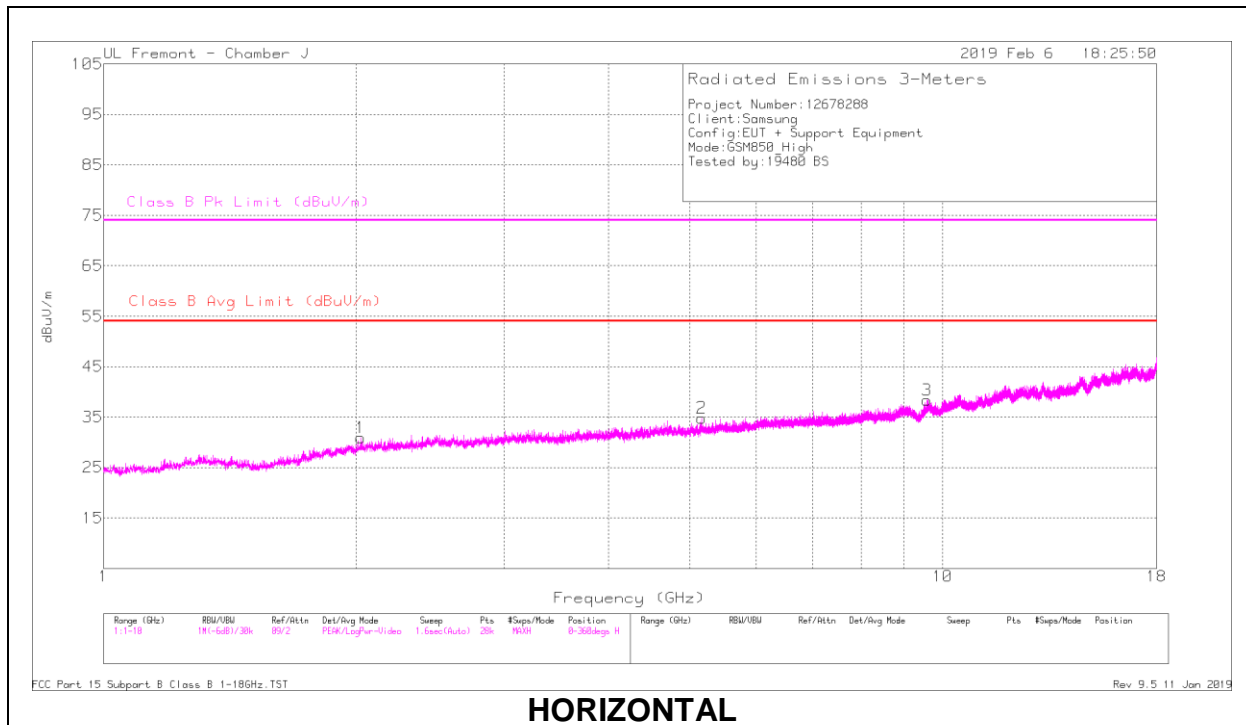
**VERTICAL**

**RADIATED EMISSIONS**

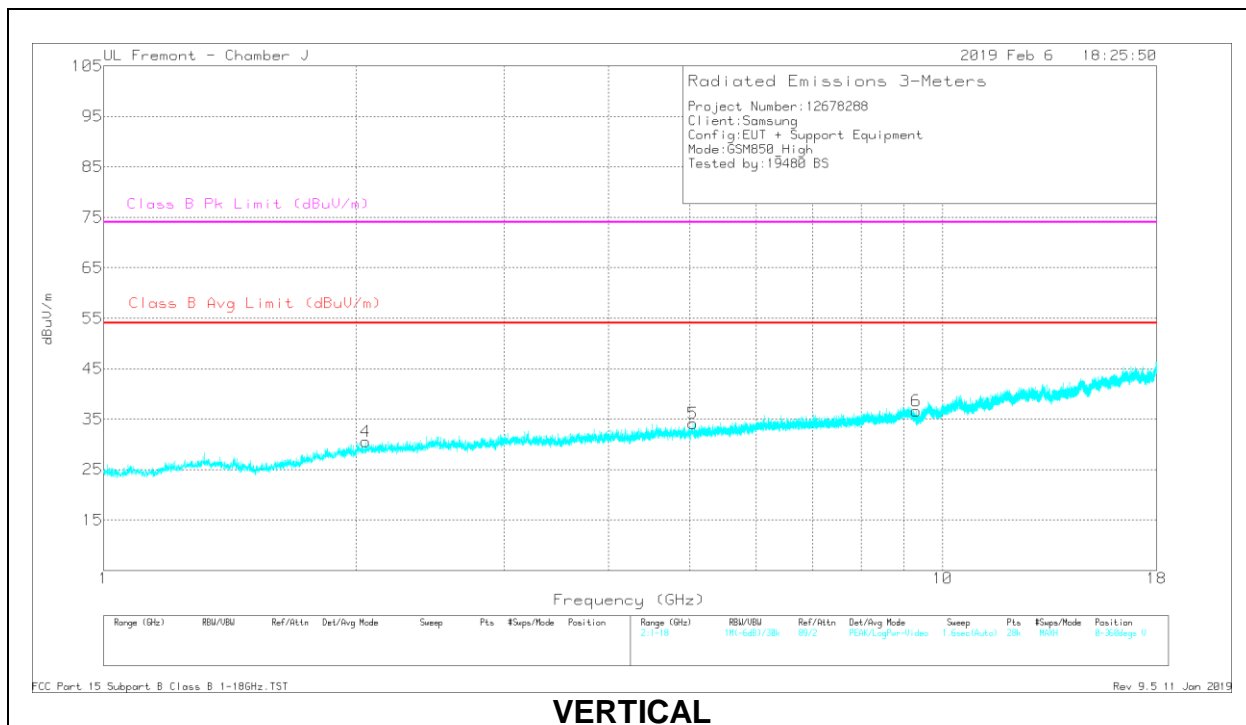
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.59	33.84	Pk	28.4	-36.1	26.14			74	-47.86	332	196	H
1.59	21.22	Av	28.4	-36.1	13.52	54	-40.48	-	-	332	196	H
4.073	31.98	Pk	33.6	-32.8	32.78			74	-41.22	306	103	H
4.073	18.64	Av	33.6	-32.8	19.44	54	-34.56	-	-	306	103	H
6.359	28.48	Pk	35.5	-29.6	34.38			74	-39.62	237	196	H
6.359	15.9	Av	35.5	-29.6	21.8	54	-32.2	-	-	237	196	H
2.375	43.62	Pk	32	-35.8	39.82			74	-34.18	300	102	V
2.375	30.36	Av	32	-35.8	26.56	54	-27.44	-	-	300	102	V
4.665	40.57	Pk	34.1	-32.2	42.47			74	-31.53	134	102	V
4.665	27.35	Av	34.1	-32.2	29.25	54	-24.75	-	-	134	102	V
9.149	36.24	Pk	36.1	-25.9	46.44			74	-27.56	70	102	V
9.149	23.01	Av	36.1	-25.9	33.21	54	-20.79	-	-	70	102	V

Pk - Peak detector  
 Av - Average detection

**HIGH CHANNEL(893.8MHz)**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

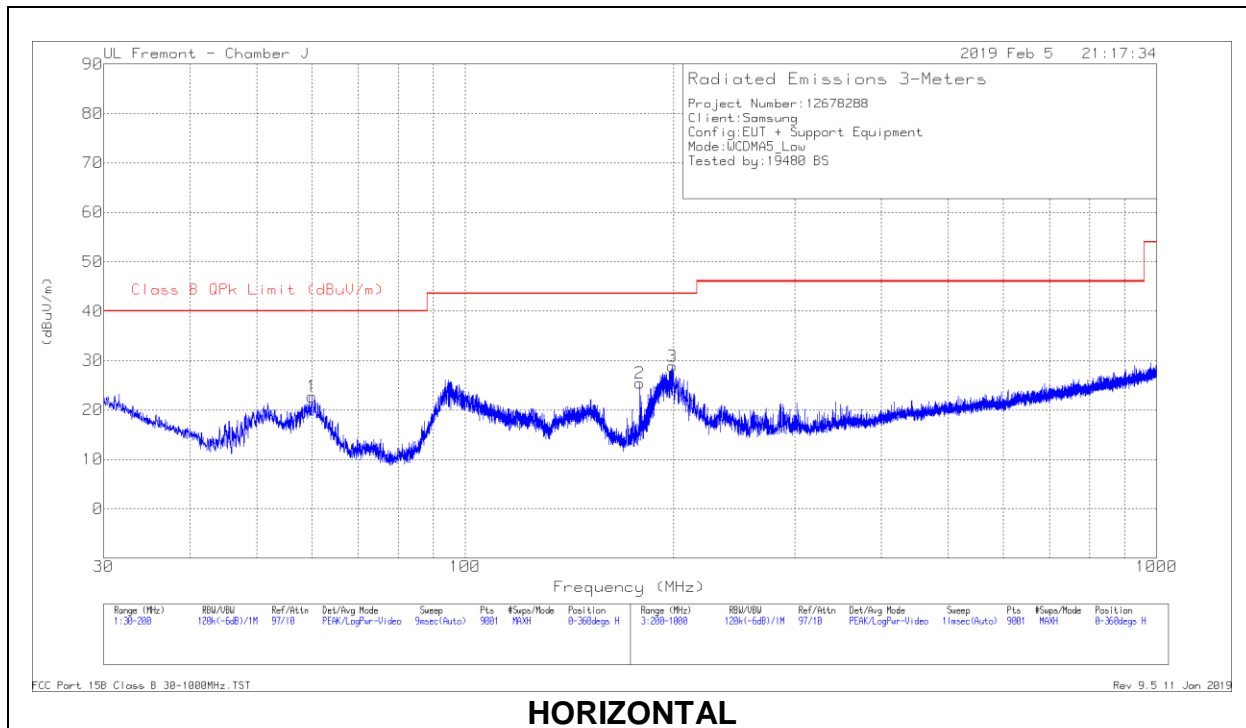
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.026	34.01	Pk	31.6	-36	29.61			74	-44.39	89	196	H
2.026	21.33	Av	31.6	-36	16.93	54	-37.07	-	-	89	196	H
5.164	30.86	Pk	34.2	-31.5	33.56			74	-40.44	197	104	H
5.164	17.7	Av	34.2	-31.5	20.4	54	-33.6	-	-	197	104	H
9.589	25.98	Pk	36.5	-25.4	37.08			74	-36.92	132	196	H
9.589	13.25	Av	36.5	-25.4	24.35	54	-29.65	-	-	132	196	H
2.053	43.58	Pk	31.8	-35.9	39.48			74	-34.52	252	196	V
2.053	30.01	Av	31.8	-35.9	25.91	54	-28.09	-	-	252	196	V
5.037	41.34	Pk	34	-31.7	43.64			74	-30.36	0	103	V
5.037	27.35	Av	34	-31.7	29.65	54	-24.35	-	-	0	103	V
9.303	35.19	Pk	36.2	-25.7	45.69			74	-28.31	139	196	V
9.303	22.27	Av	36.2	-25.7	32.77	54	-21.23	-	-	139	196	V

Pk - Peak detector  
 Av - Average detection

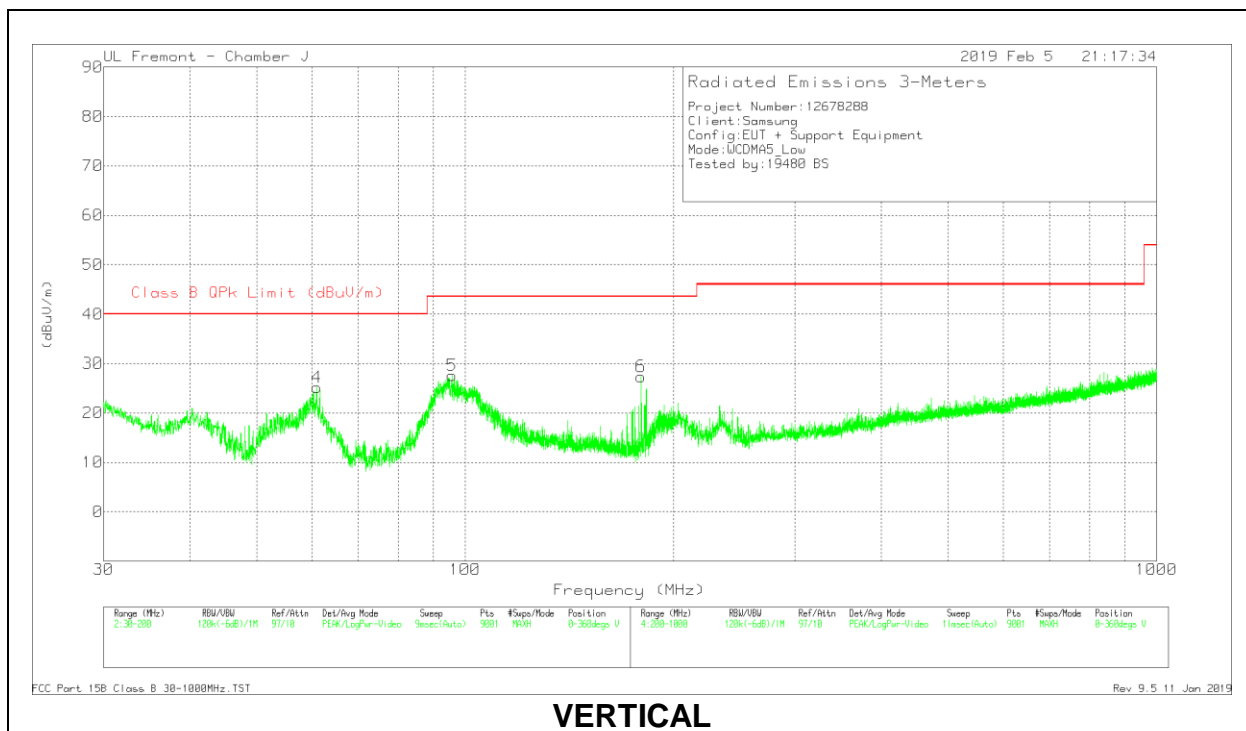
## 11.2. WCDMA B5

### 11.2.1. BELOW 1GHz

#### LOW CHANNEL(871.4MHz)



**HORIZONTAL**



**VERTICAL**

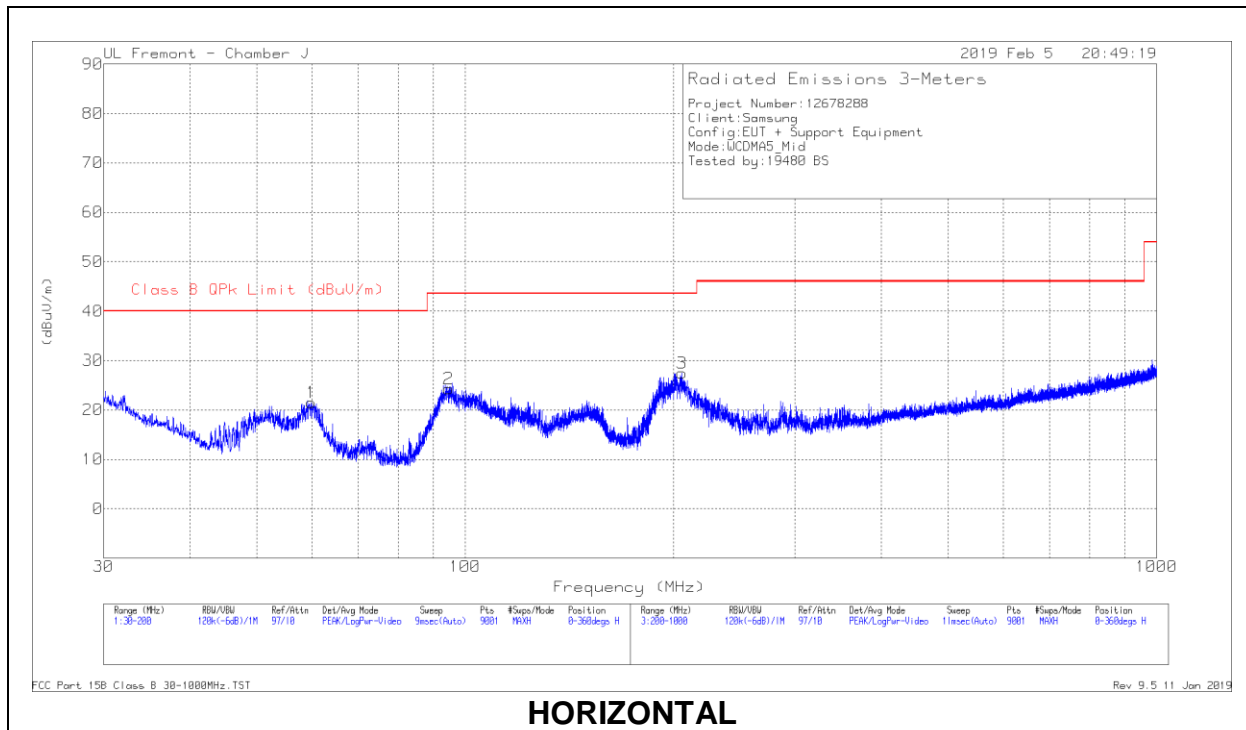
**RADIATED EMISSIONS**

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	60.0335	40.6	Pk	13.3	-31.2	22.7	40	-17.3	0-360	398	H
2	178.8642	38.69	Pk	17.1	-30.4	25.39	43.52	-18.13	0-360	298	H
3	199.2832	40.82	Pk	18.4	-30.4	28.82	43.52	-14.7	0-360	102	H
4	60.9968	43.02	Pk	13.4	-31.2	25.22	40	-14.78	0-360	101	V
5	95.7337	43.41	Pk	15.1	-30.9	27.61	43.52	-15.91	0-360	101	V
6	179.6387	40.69	Pk	17.1	-30.4	27.39	43.52	-16.13	0-360	101	V

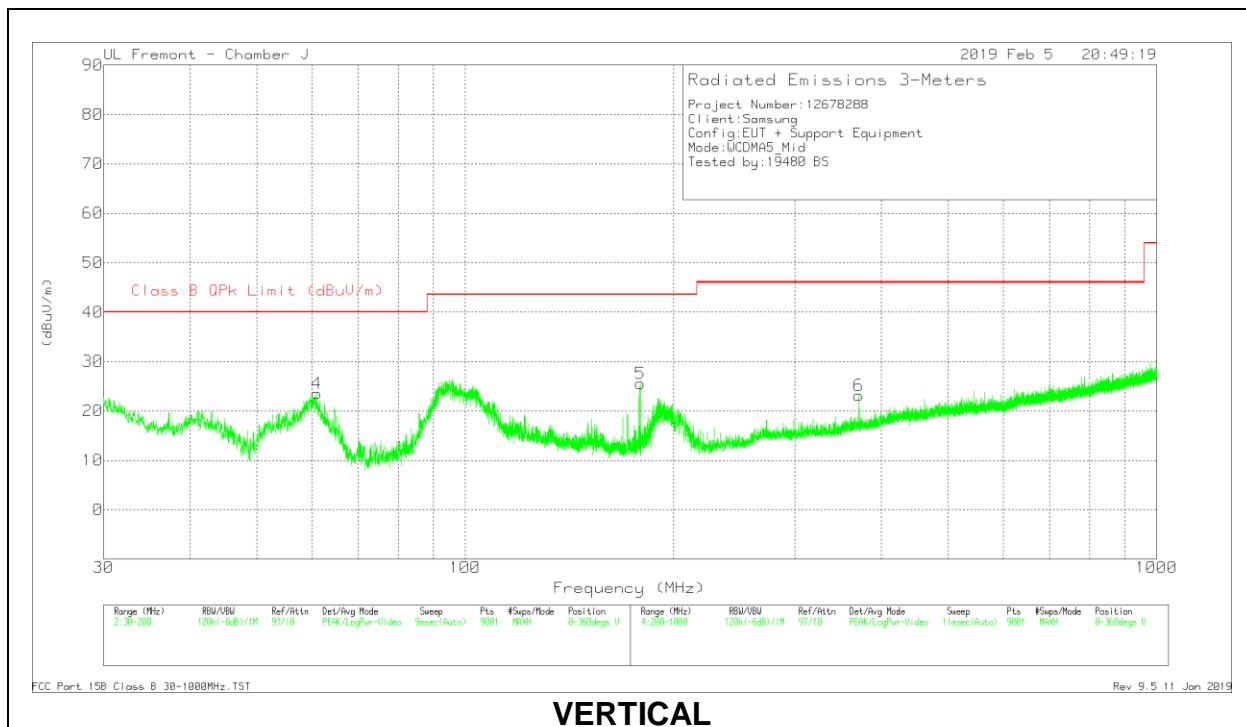
Pk - Peak detector

Qp - Quasi-Peak detector

**MID CHANNEL(881.6MHz)**



**HORIZONTAL**



**VERTICAL**

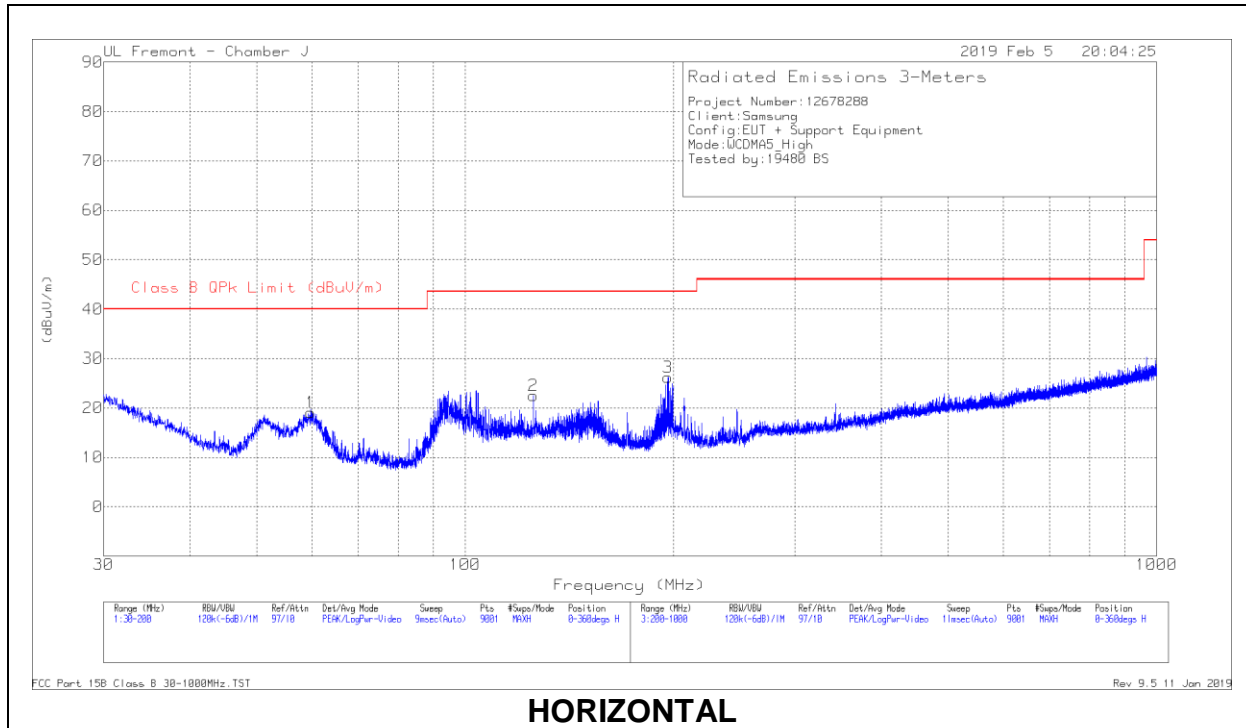
### RADIATED EMISSIONS

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	59.8635	39.36	Pk	13.3	-31.2	21.46	40	-18.54	0-360	298	H
2	94.6382	40.36	Pk	14.8	-30.9	24.26	43.52	-19.26	0-360	199	H
4	61.0346	41.34	Pk	13.4	-31.2	23.54	40	-16.46	0-360	101	V
5	179.072	38.82	Pk	17.1	-30.4	25.52	43.52	-18	0-360	101	V
3	205.8667	41.4	Pk	16.4	-30.3	27.5	43.52	-16.02	0-360	101	H
6	371.2002	32.13	Pk	20.8	-29.8	23.13	46.02	-22.89	0-360	101	V

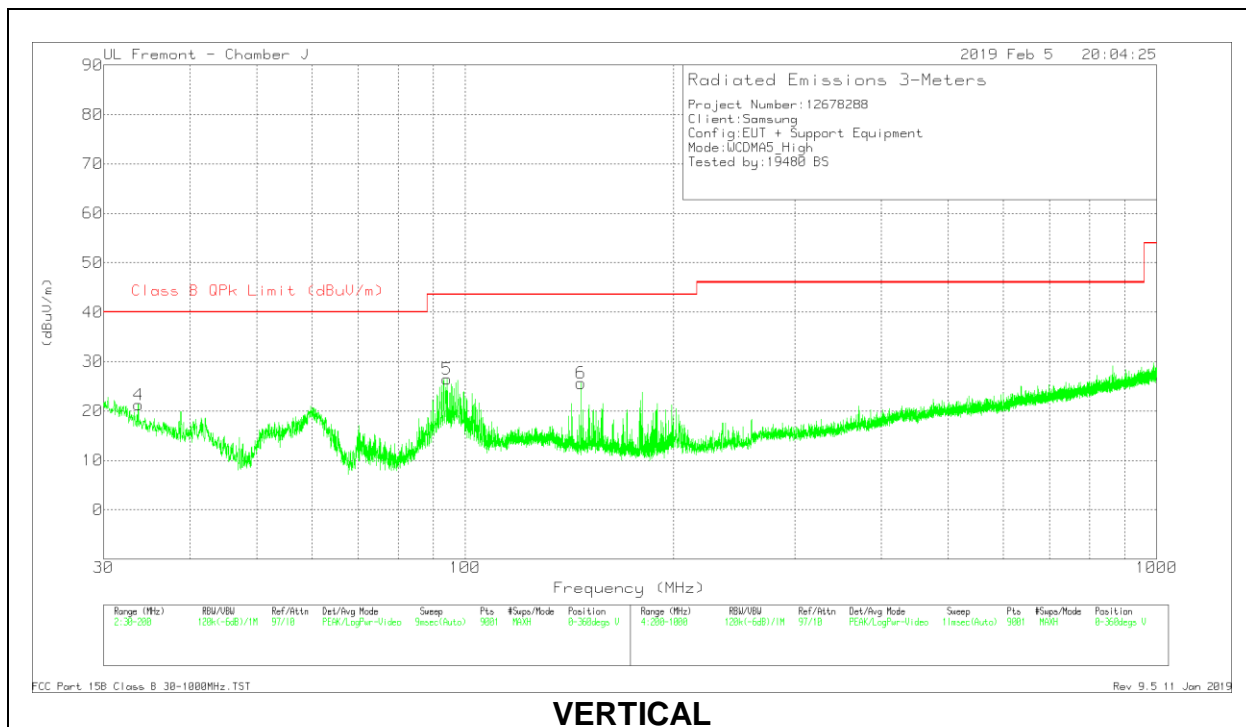
Pk - Peak detector



**HIGH CHANNEL(891.6MHz)**



**HORIZONTAL**



**VERTICAL**

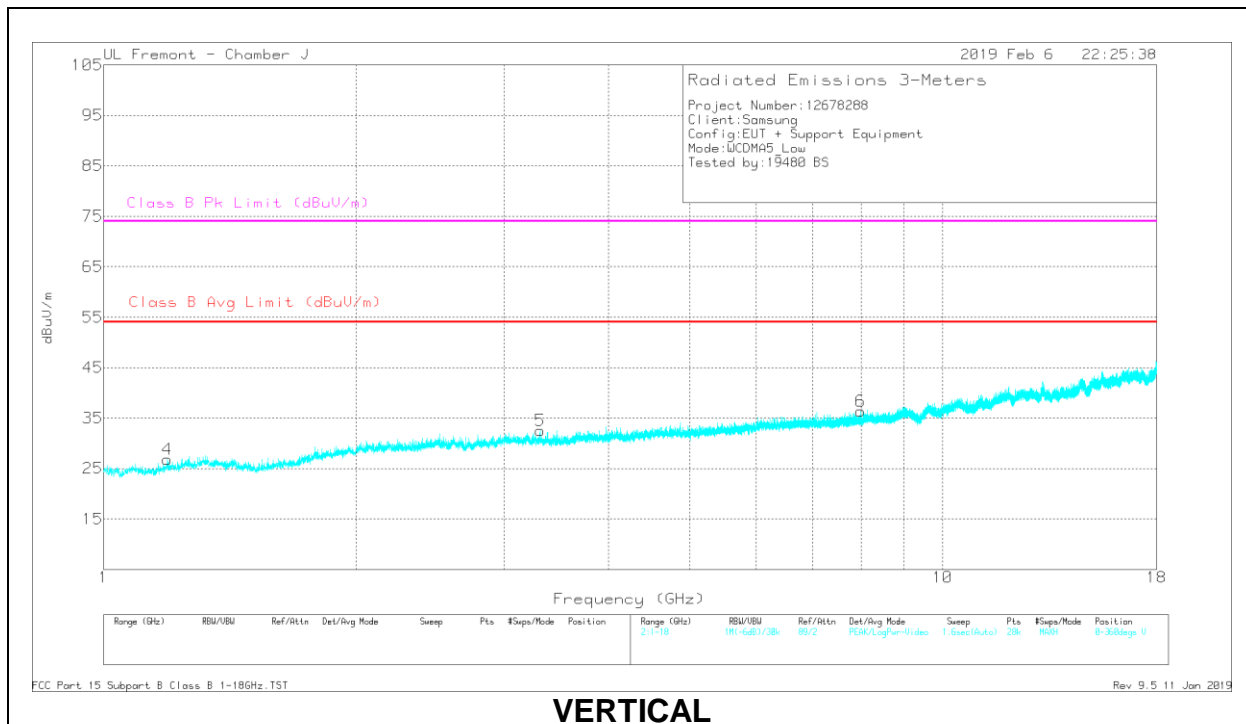
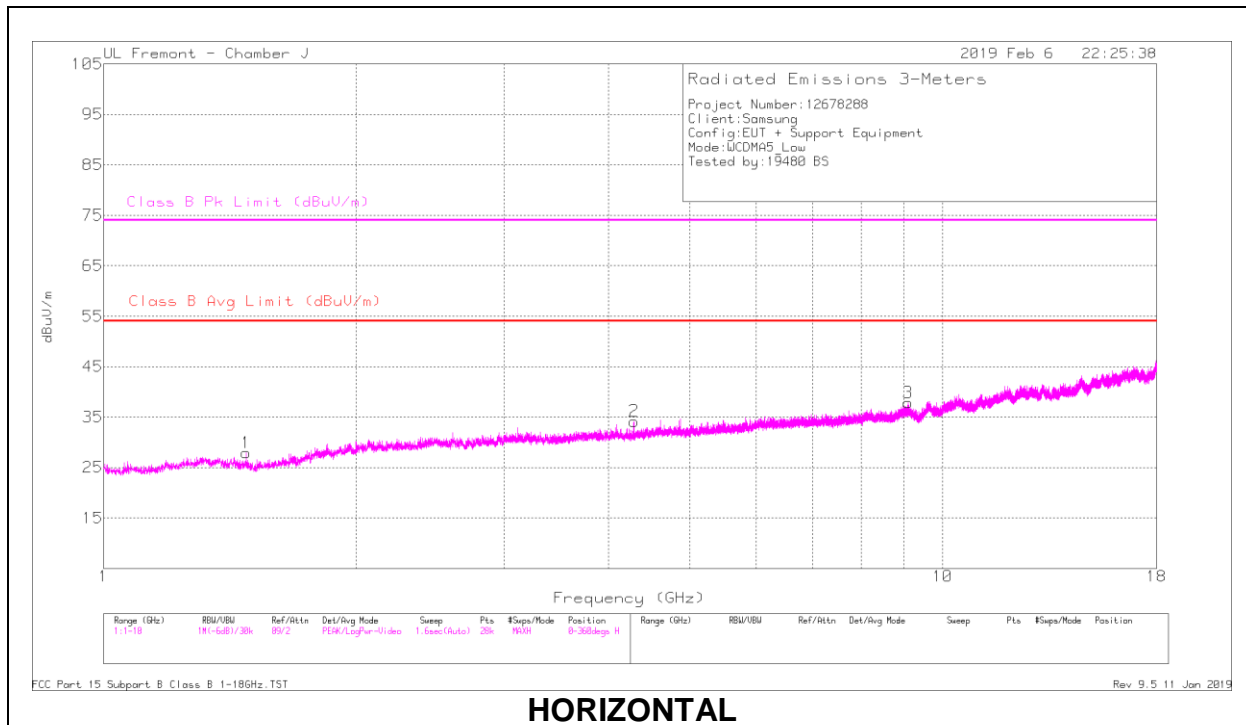
**RADIATED EMISSIONS**

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	59.788	37.02	Pk	13.3	-31.2	19.12	40	-20.88	0-360	298	H
2	125.5406	33.52	Pk	19.8	-30.8	22.52	43.52	-21	0-360	198	H
3	196.6388	38.51	Pk	18	-30.3	26.21	43.52	-17.31	0-360	101	H
4	33.6834	28.63	Pk	24.1	-31.5	21.23	40	-18.77	0-360	101	V
5	94.2415	42.68	Pk	14.7	-30.9	26.48	43.52	-17.04	0-360	101	V
6	146.9796	37.82	Pk	18.4	-30.6	25.62	43.52	-17.9	0-360	101	V

Pk - Peak detector

**11.2.2. ABOVE 1GHz**

**LOW CHANNEL(871.4MHz)**

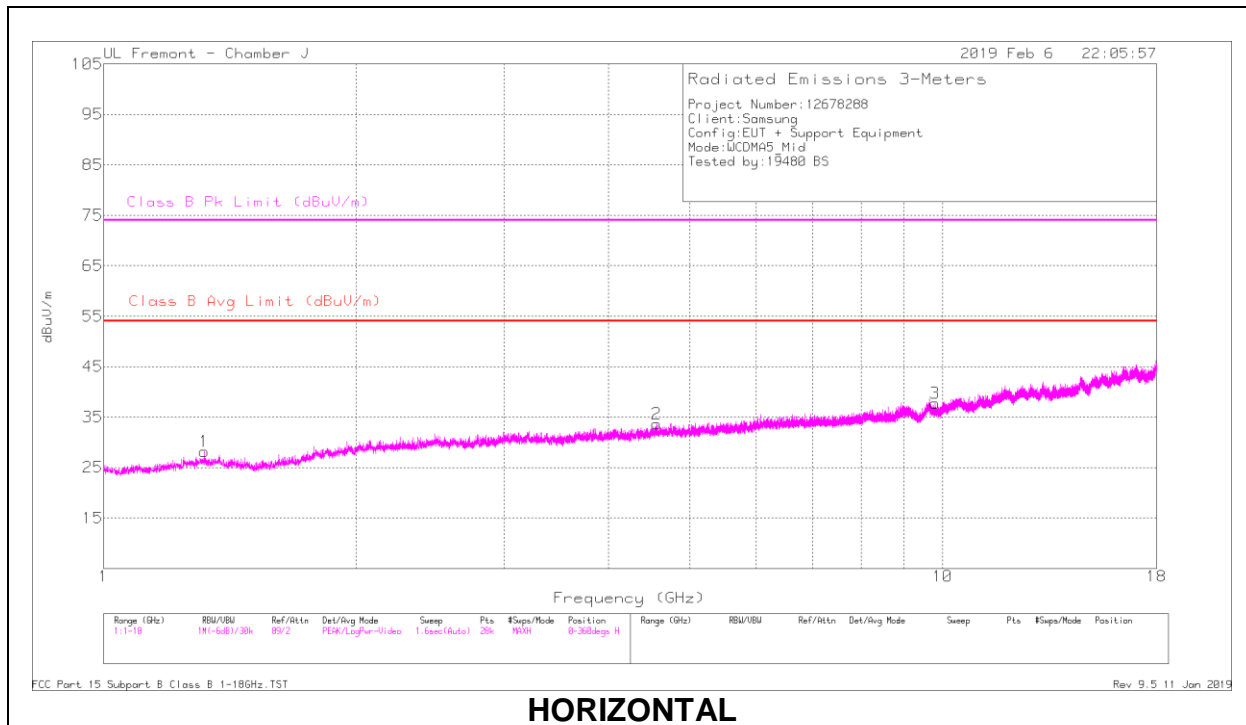


**RADIATED EMISSIONS**

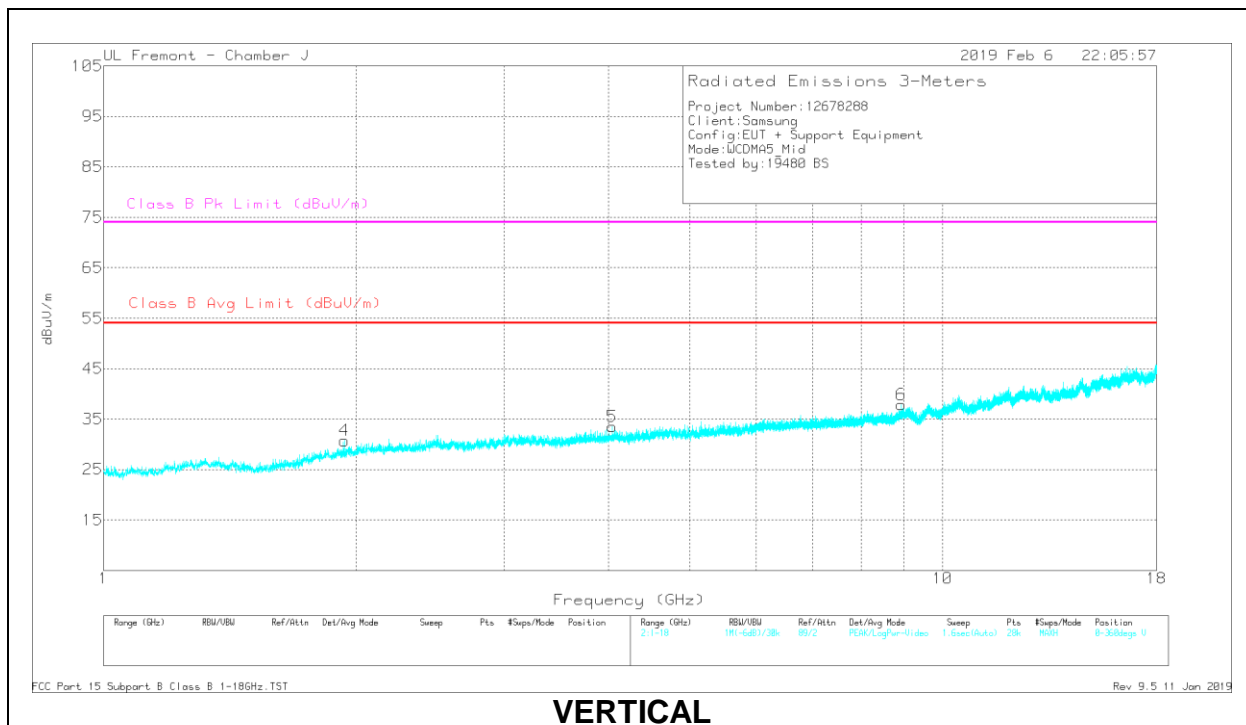
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.479	34.11	Pk	28.2	-36.2	26.11			74	-47.89	42	101	H
1.479	21.32	Av	28.2	-36.2	13.32	54	-40.68	-	-	42	101	H
4.288	30.8	Pk	33.5	-32.5	31.8			74	-42.2	225	196	H
4.288	18.02	Av	33.5	-32.5	19.02	54	-34.98	-	-	225	196	H
9.109	26.11	Pk	36	-25.8	36.31			74	-37.69	293	103	H
9.109	13.85	Av	36	-25.8	24.05	54	-29.95	-	-	293	103	H
1.191	43.36	Pk	28.2	-36	35.56			74	-38.44	241	196	V
1.191	30.22	Av	28.2	-36	22.42	54	-31.58	-	-	241	196	V
3.318	43.1	Pk	33	-34.9	41.2			74	-32.8	196	103	V
3.318	29.68	Av	33	-34.9	27.78	54	-26.22	-	-	196	103	V
7.983	36.58	Pk	35.8	-27.9	44.48			74	-29.52	296	196	V
7.983	23.83	Av	35.8	-27.9	31.73	54	-22.27	-	-	296	196	V

Pk - Peak detector  
 Av - Average detection

**MID CHANNEL(881.6MHz)**



**HORIZONTAL**



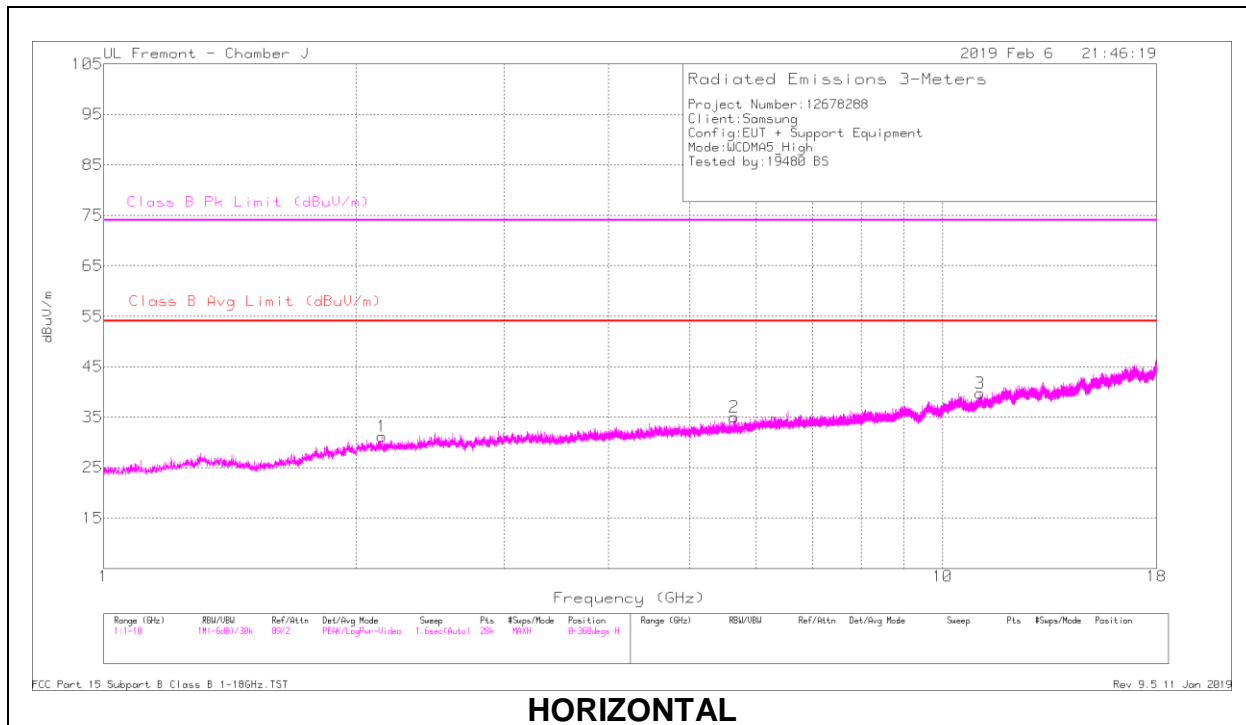
**VERTICAL**

**RADIATED EMISSIONS**

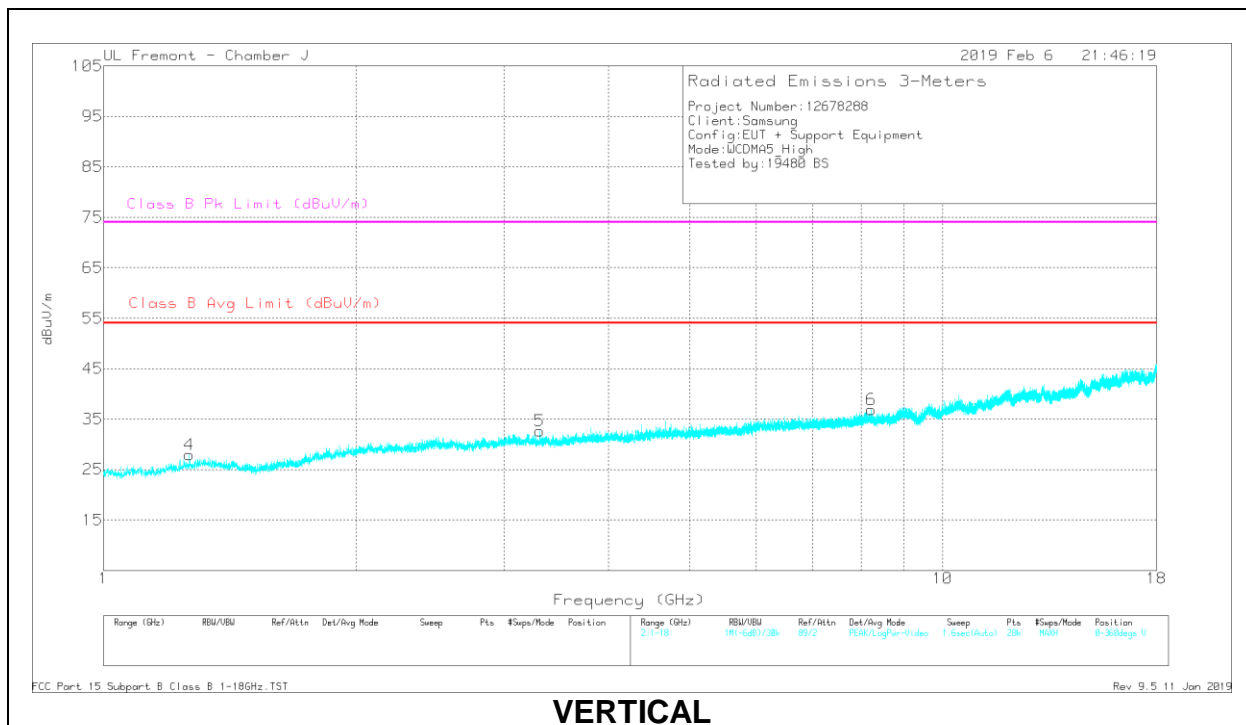
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.318	34.46	Pk	29.3	-36.1	27.66			74	-46.34	159	101	H
1.318	21.2	Av	29.3	-36.1	14.4	54	-39.6	-	-	159	101	H
4.567	31.06	Pk	34.2	-31.9	33.36			74	-40.64	221	101	H
4.567	17.89	Av	34.2	-31.9	20.19	54	-33.81	-	-	221	101	H
9.797	25.56	Pk	36.7	-25.6	36.66			74	-37.34	304	196	H
9.797	13.3	Av	36.7	-25.6	24.4	54	-29.6	-	-	304	196	H
1.937	43.94	Pk	31.2	-36	39.14			74	-34.86	315	104	V
1.937	30.29	Av	31.2	-36	25.49	54	-28.51	-	-	315	104	V
4.036	41.79	Pk	33.5	-33	42.29			74	-31.71	222	196	V
4.036	28.13	Av	33.5	-33	28.63	54	-25.37	-	-	222	196	V
8.929	36.06	Pk	35.9	-25.9	46.06			74	-27.94	125	196	V
8.929	22.09	Av	35.9	-25.9	32.09	54	-21.91	-	-	125	196	V

Pk - Peak detector  
 Av - Average detection

**HIGH CHANNEL(891.6MHz)**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (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
2.148	34.3	Pk	31.8	-35.9	30.2			74	-43.8	179	196	H
2.148	21.15	Av	31.8	-35.9	17.05	54	-36.95	-	-	179	196	H
5.645	29.65	Pk	34.6	-30.8	33.45			74	-40.55	350	196	H
5.645	16.74	Av	34.6	-30.8	20.54	54	-33.46	-	-	350	196	H
11.098	26.58	Pk	37.8	-24.9	39.48			74	-34.52	77	104	H
11.098	13.16	Av	37.8	-24.9	26.06	54	-27.94	-	-	77	104	H
1.266	43.59	Pk	29.1	-36.1	36.59			74	-37.41	112	196	V
1.266	30.08	Av	29.1	-36.1	23.08	54	-30.92	-	-	112	196	V
3.314	43.31	Pk	33	-34.8	41.51			74	-32.49	145	103	V
3.314	29.74	Av	33	-34.8	27.94	54	-26.06	-	-	145	103	V
8.231	37.45	Pk	35.8	-27.5	45.75			74	-28.25	287	103	V
8.231	23.86	Av	35.8	-27.5	32.16	54	-21.84	-	-	287	103	V

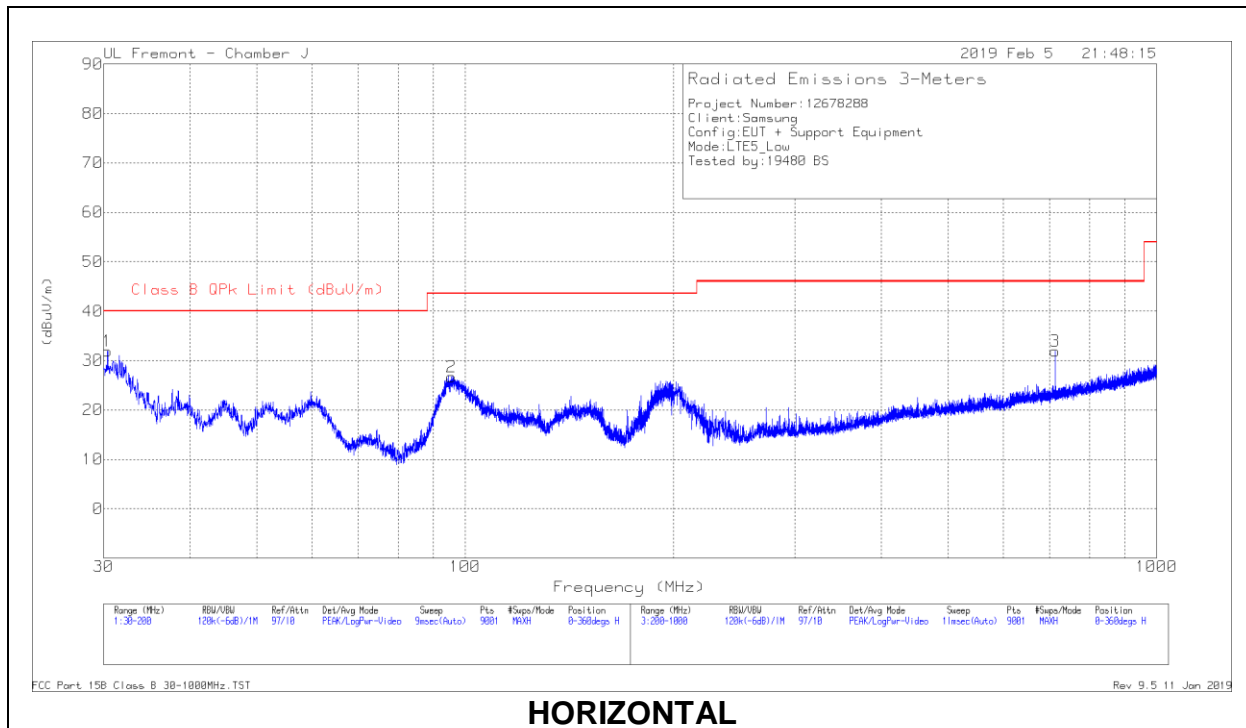
Pk - Peak detector  
 Av - Average detection



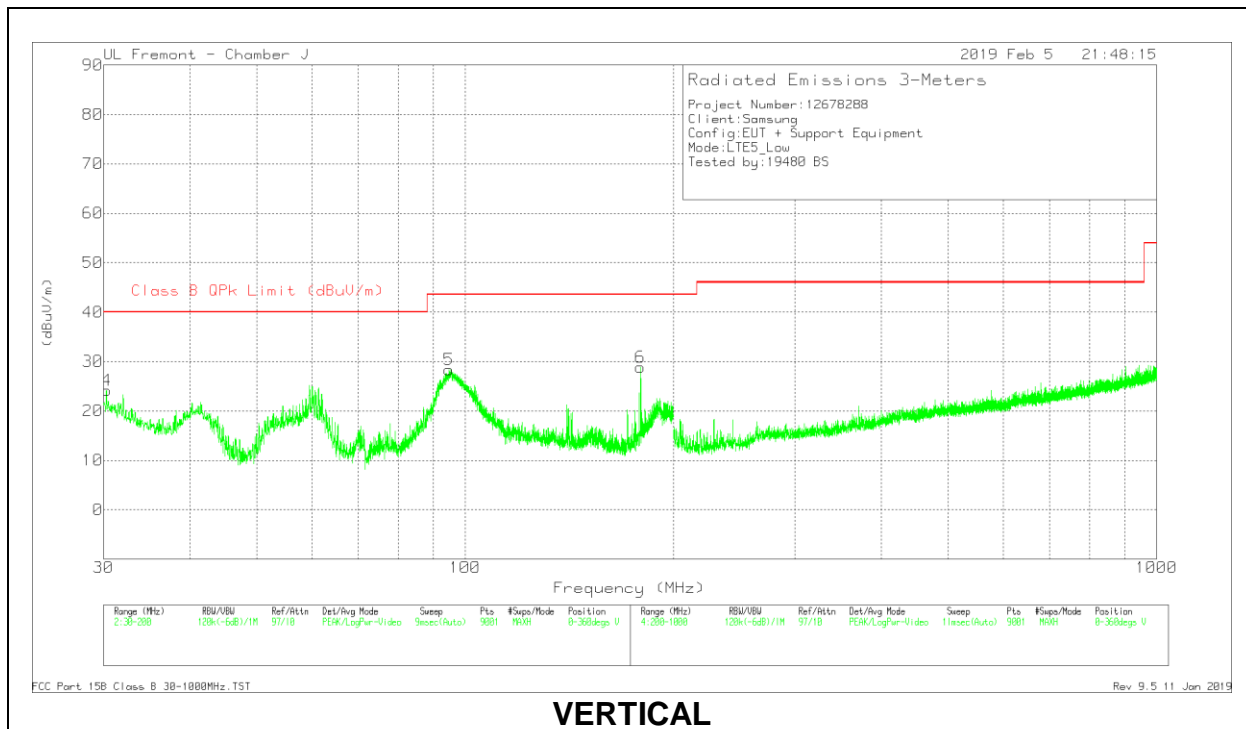
### 11.3. LTE Band 5

#### 11.3.1. BELOW 1GHz

#### LOW CHANNEL(870.5MHz)



**HORIZONTAL**



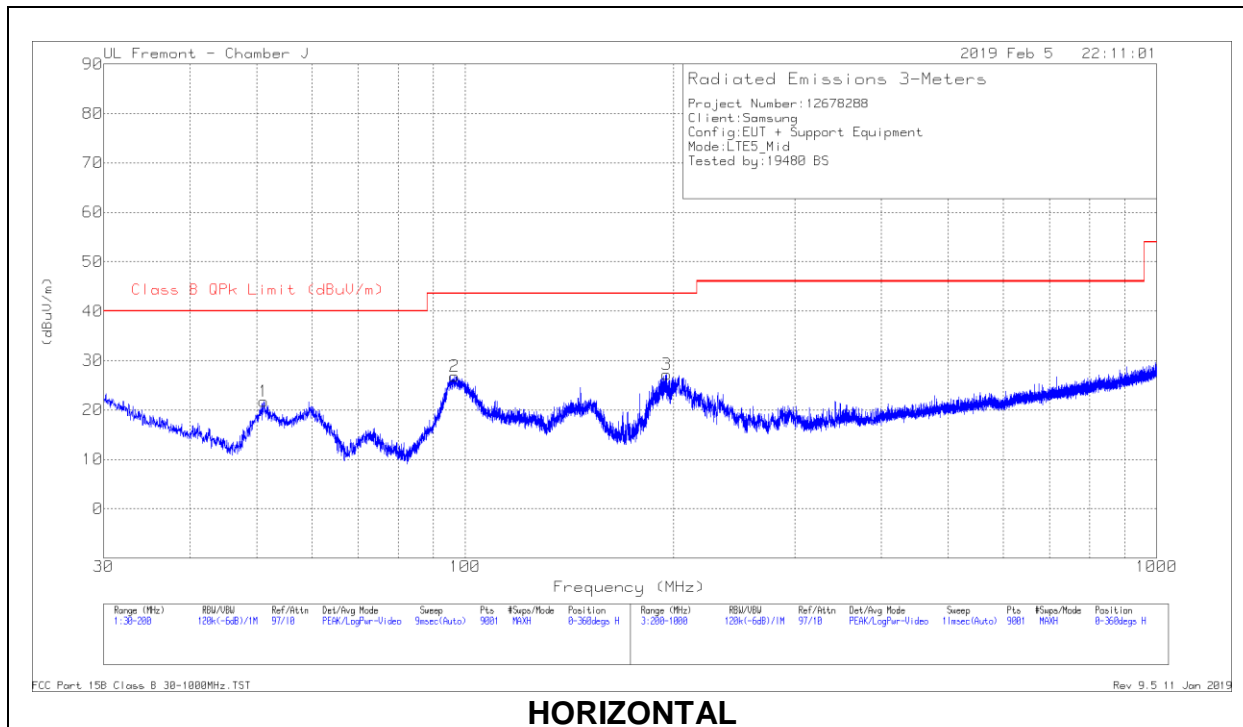
**VERTICAL**

**RADIATED EMISSIONS**

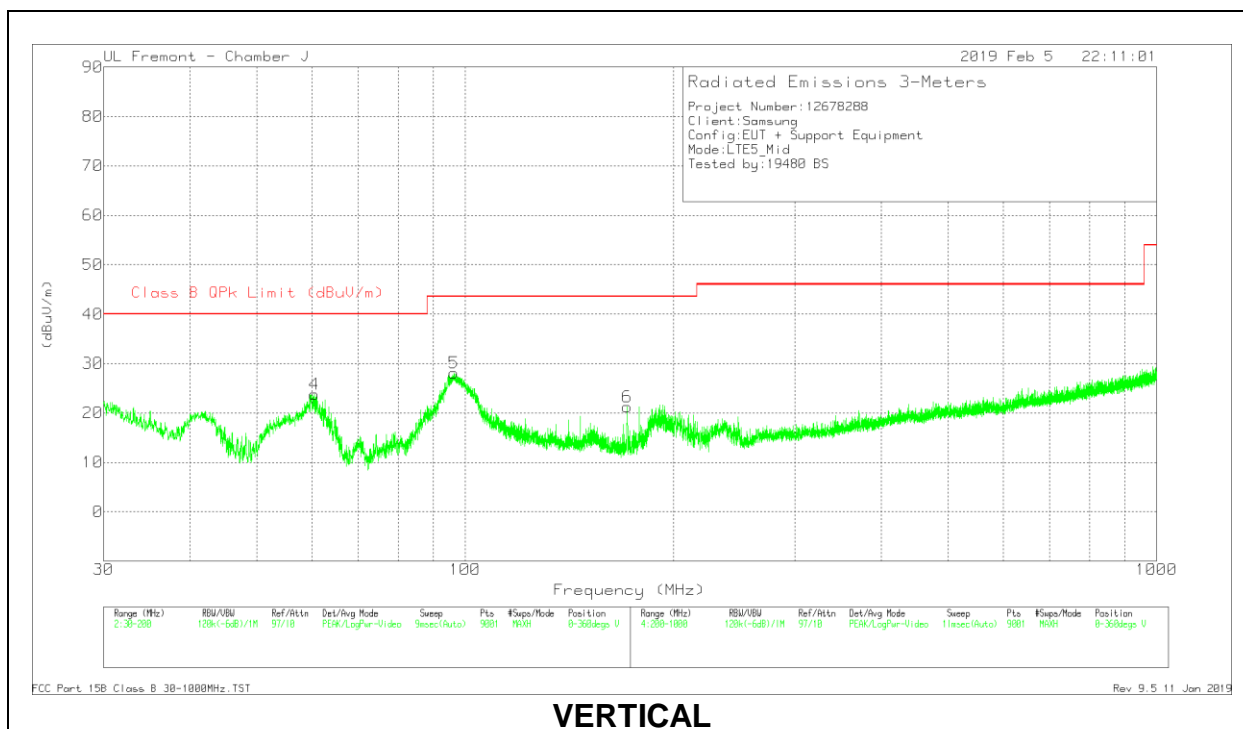
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.3967	37.12	Pk	26.4	-31.6	31.92	40	-8.08	0-360	101	H
2	95.4693	42.58	Pk	15	-30.9	26.68	43.52	-16.84	0-360	198	H
4	30.2833	29.21	Pk	26.5	-31.6	24.11	40	-15.89	0-360	101	V
5	94.8176	44.43	Pk	14.8	-30.9	28.33	43.52	-15.19	0-360	101	V
6	179.3742	42.19	Pk	17.1	-30.4	28.89	43.52	-14.63	0-360	101	V
3	713.2451	34.51	Pk	26.3	-28.9	31.91	46.02	-14.11	0-360	398	H

Pk - Peak detector

**MID CHANNEL(881.5MHz)**



**HORIZONTAL**



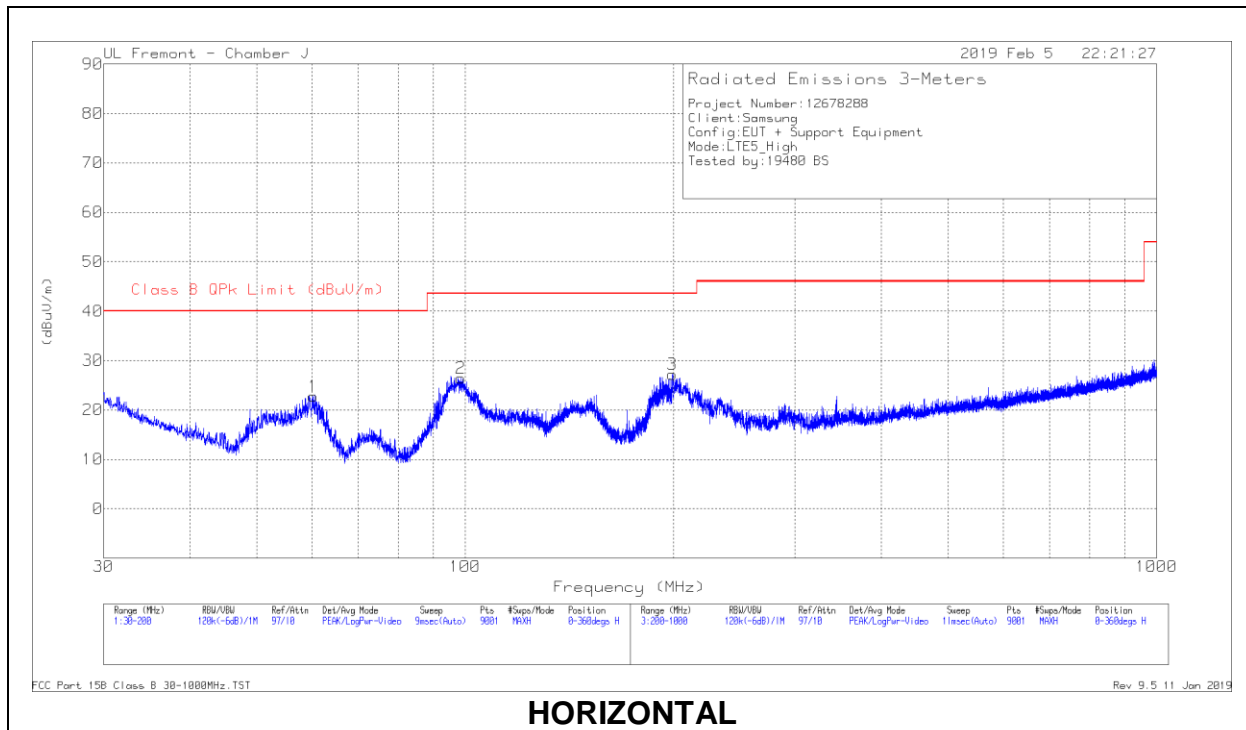
**VERTICAL**

**RADIATED EMISSIONS**

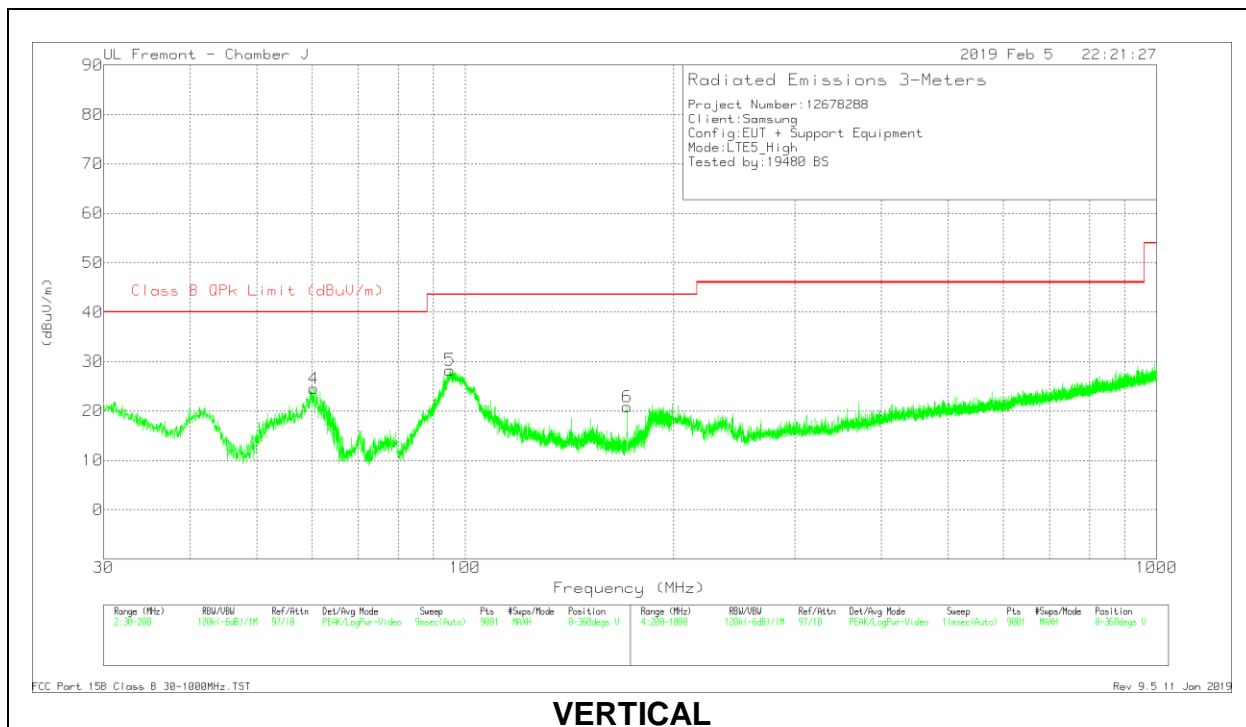
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	51.1746	39.51	Pk	13.5	-31.3	21.71	40	-18.29	0-360	398	H
2	96.5176	42.38	Pk	15.4	-31	26.78	43.52	-16.74	0-360	298	H
3	195.6754	39.75	Pk	17.9	-30.4	27.25	43.52	-16.27	0-360	101	H
4	60.4868	41.68	Pk	13.3	-31.2	23.78	40	-16.22	0-360	101	V
5	96.3004	43.82	Pk	15.3	-31	28.12	43.52	-15.4	0-360	101	V
6	171.5353	34.26	Pk	17.5	-30.5	21.26	43.52	-22.26	0-360	101	V

Pk - Peak detector

**HIGH CHANNEL(892.5MHz)**



**HORIZONTAL**



**VERTICAL**

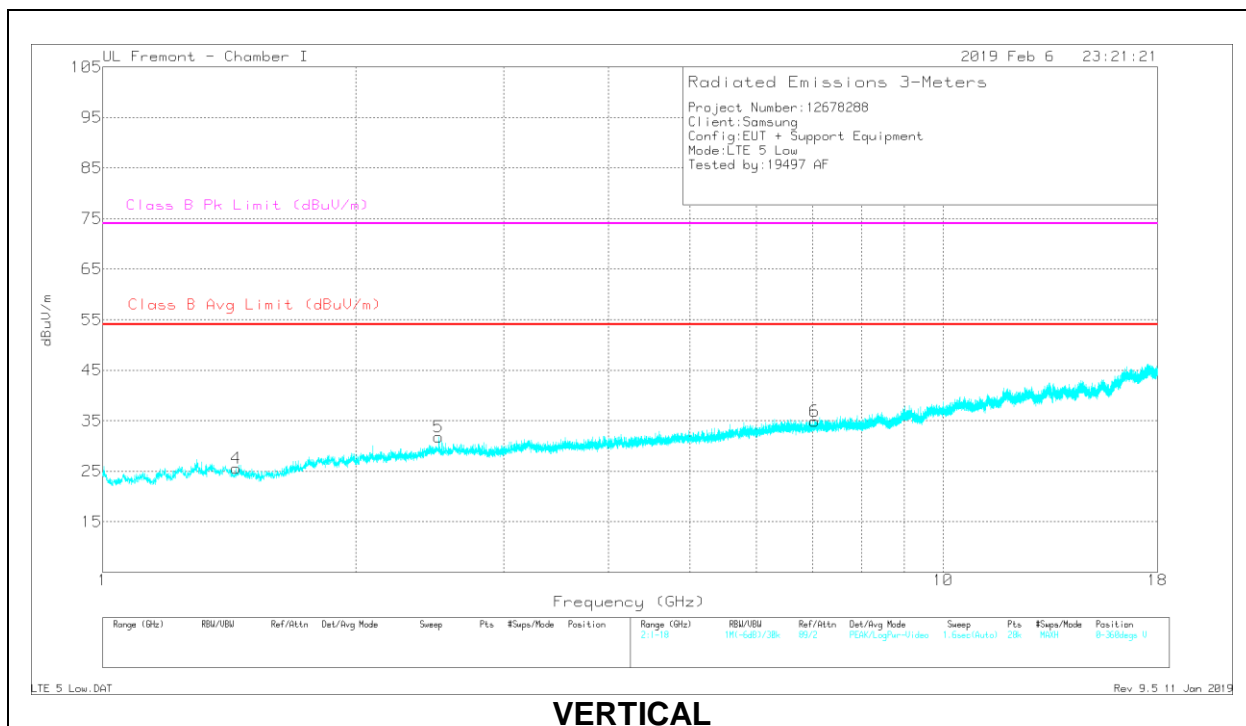
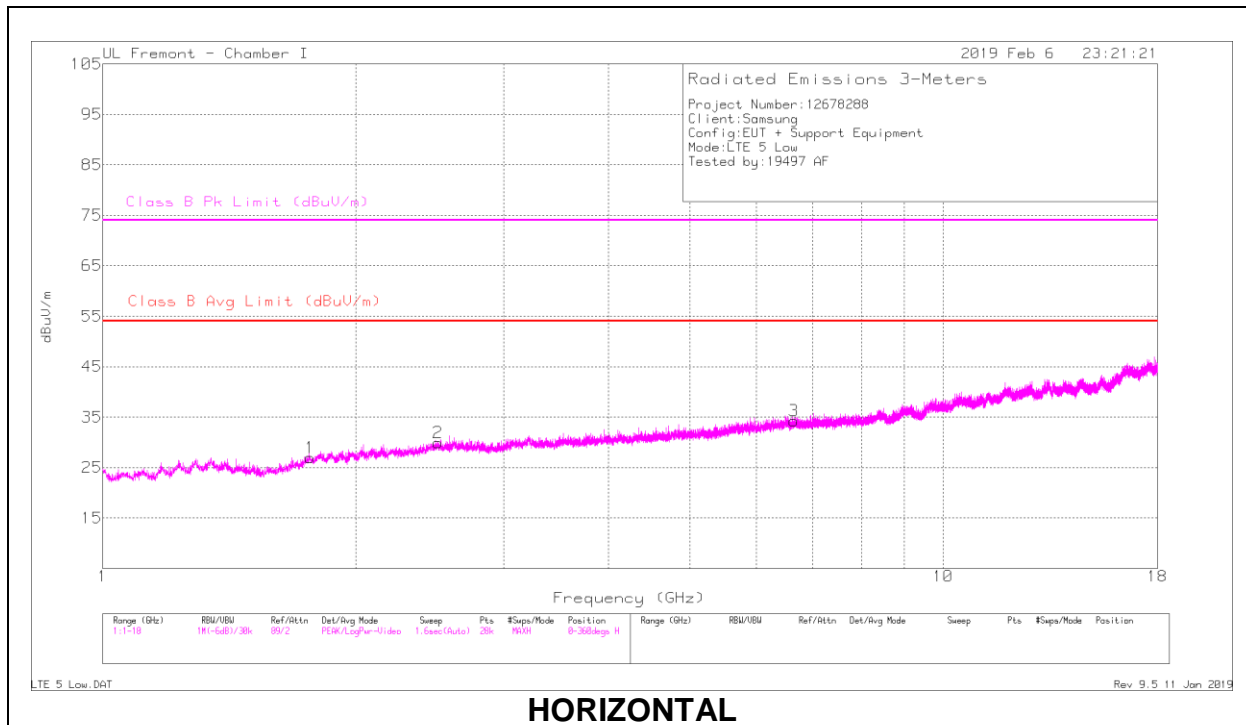
**RADIATED EMISSIONS**

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	60.3168	40.63	Pk	13.3	-31.2	22.73	40	-17.27	0-360	398	H
2	98.501	41.4	Pk	16	-31	26.4	43.52	-17.12	0-360	298	H
3	199.5288	39.23	Pk	18.4	-30.4	27.23	43.52	-16.29	0-360	102	H
4	60.3924	42.48	Pk	13.3	-31.2	24.58	40	-15.42	0-360	101	V
5	95.0348	44.28	Pk	14.9	-30.9	28.28	43.52	-15.24	0-360	101	V
6	171.5919	33.9	Pk	17.5	-30.5	20.9	43.52	-22.62	0-360	101	V

Pk - Peak detector

**11.3.2. ABOVE 1GHz**

**LOW CHANNEL(870.5MHz)**



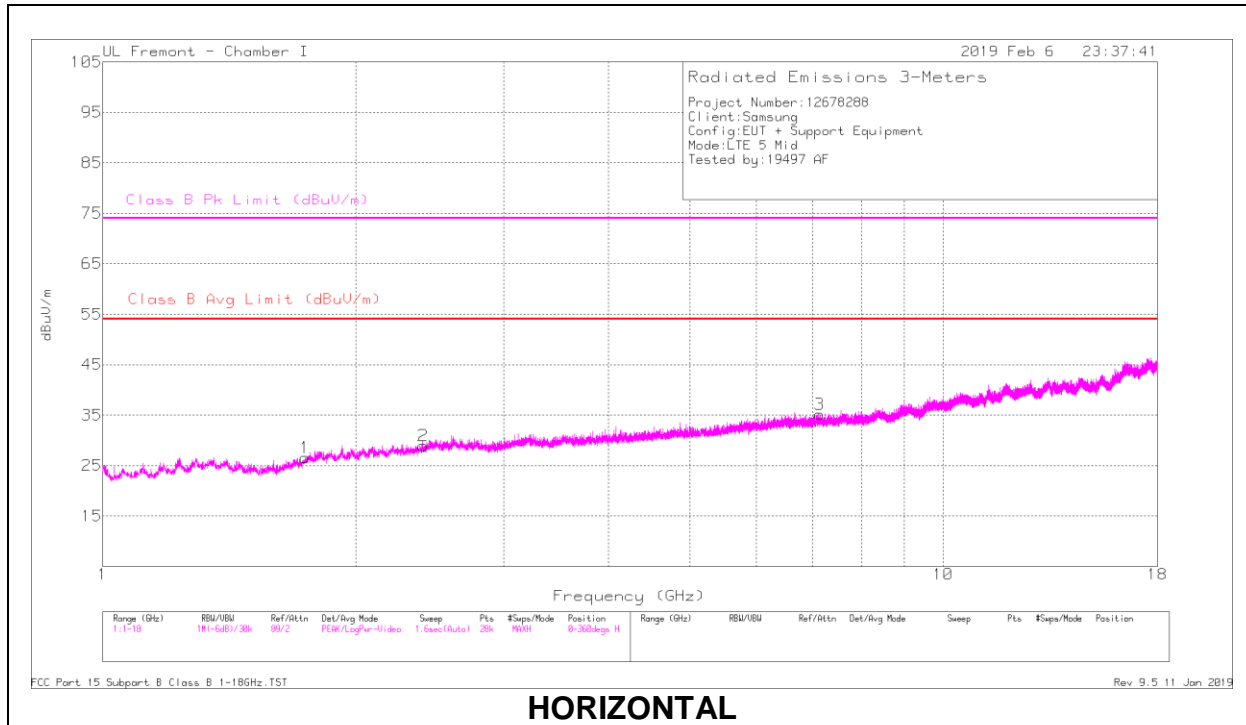
**RADIATED EMISSIONS**

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (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
1.765	23.71	Pk	30.2	-33.2	20.71			74	-53.29	191	134	H
1.765	17.36	Av	30.2	-33.2	14.36	54	-39.64	-	-	191	134	H
2.507	21.48	Pk	32.4	-31.8	22.08			74	-51.92	76	102	H
2.508	16.22	Av	32.4	-31.8	16.82	54	-37.18	-	-	76	102	H
6.645	18.95	Pk	35.6	-27	27.55			74	-46.45	76	383	H
6.645	12.73	Av	35.6	-27	21.33	54	-32.67	-	-	76	383	H
2.514	33.73	Pk	32.4	-31.8	34.33			74	-39.67	11	386	V
2.512	25.41	Av	32.4	-31.8	26.01	54	-27.99	-	-	144	168	V
1.44	34.22	Pk	28.4	-33.5	29.12			74	-44.88	67	100	V
1.442	26.58	Av	28.4	-33.5	21.48	54	-32.52	-	-	67	100	V
7.033	29.95	Pk	35.6	-26.6	38.95			74	-35.05	256	164	V
7.035	21.6	Av	35.6	-26.6	30.6	54	-23.4	-	-	256	164	V

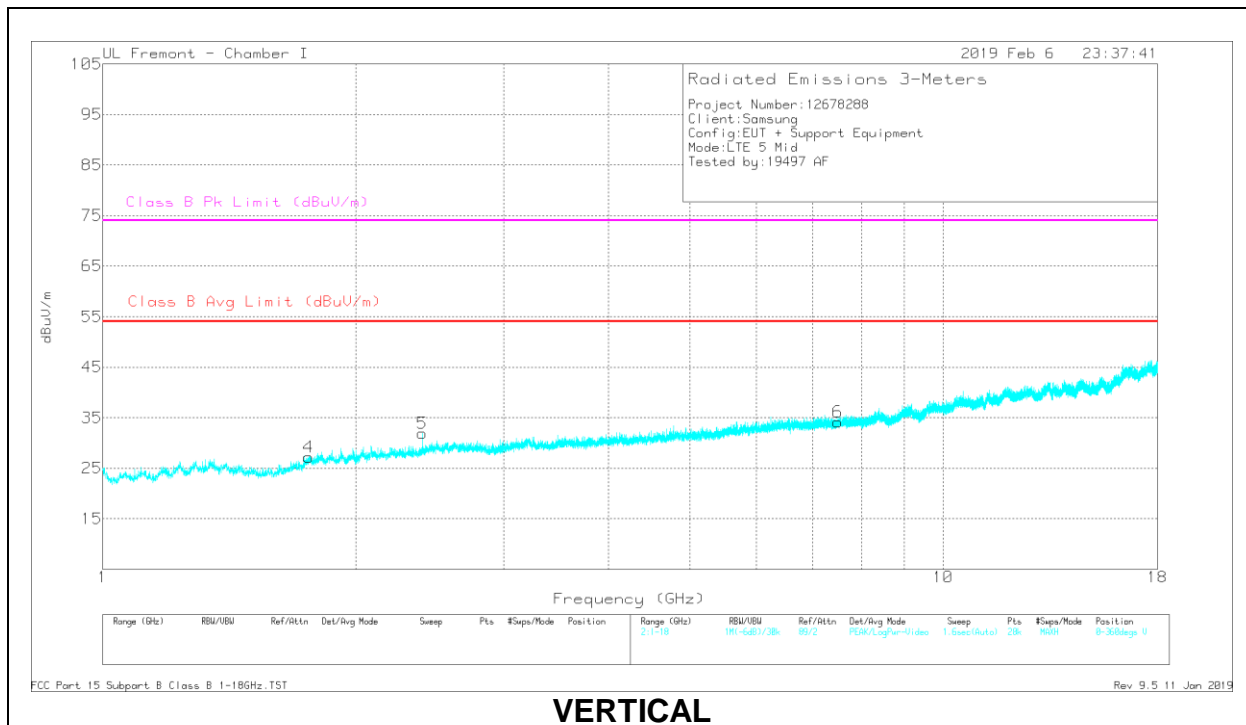
Pk - Peak detector  
 Av - Average detection



**MID CHANNEL(881.5MHz)**



**HORIZONTAL**



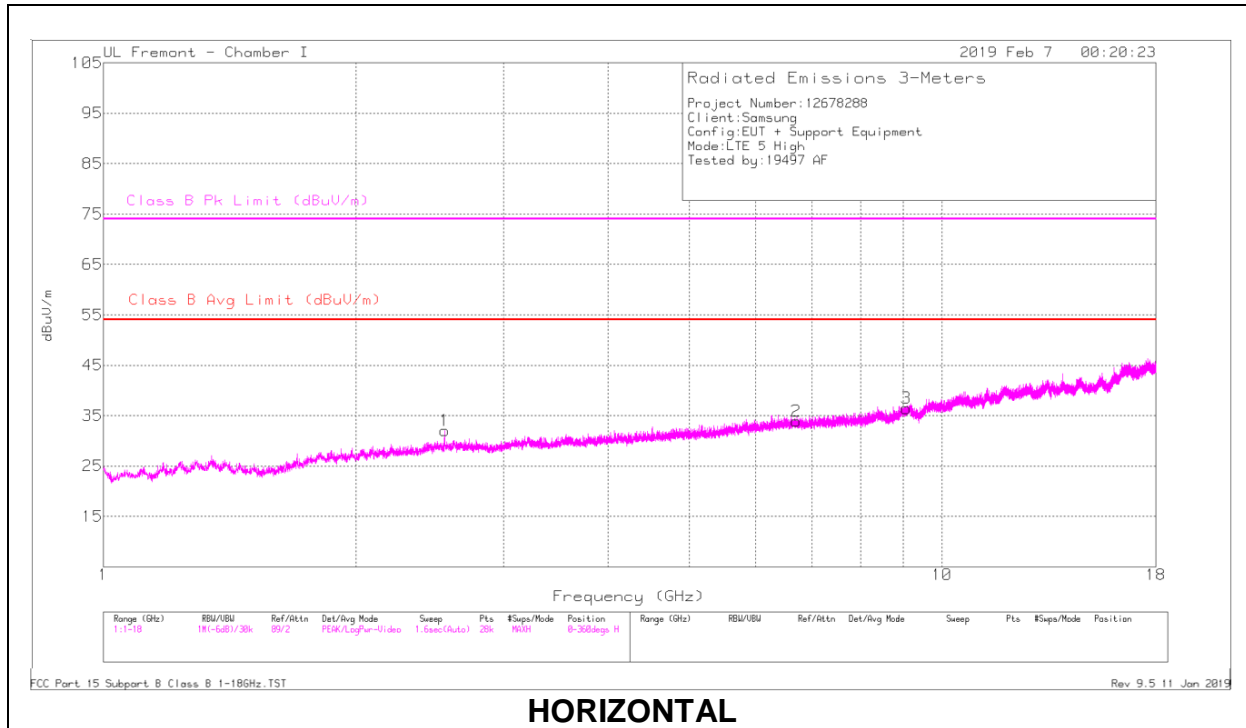
**VERTICAL**

**RADIATED EMISSIONS**

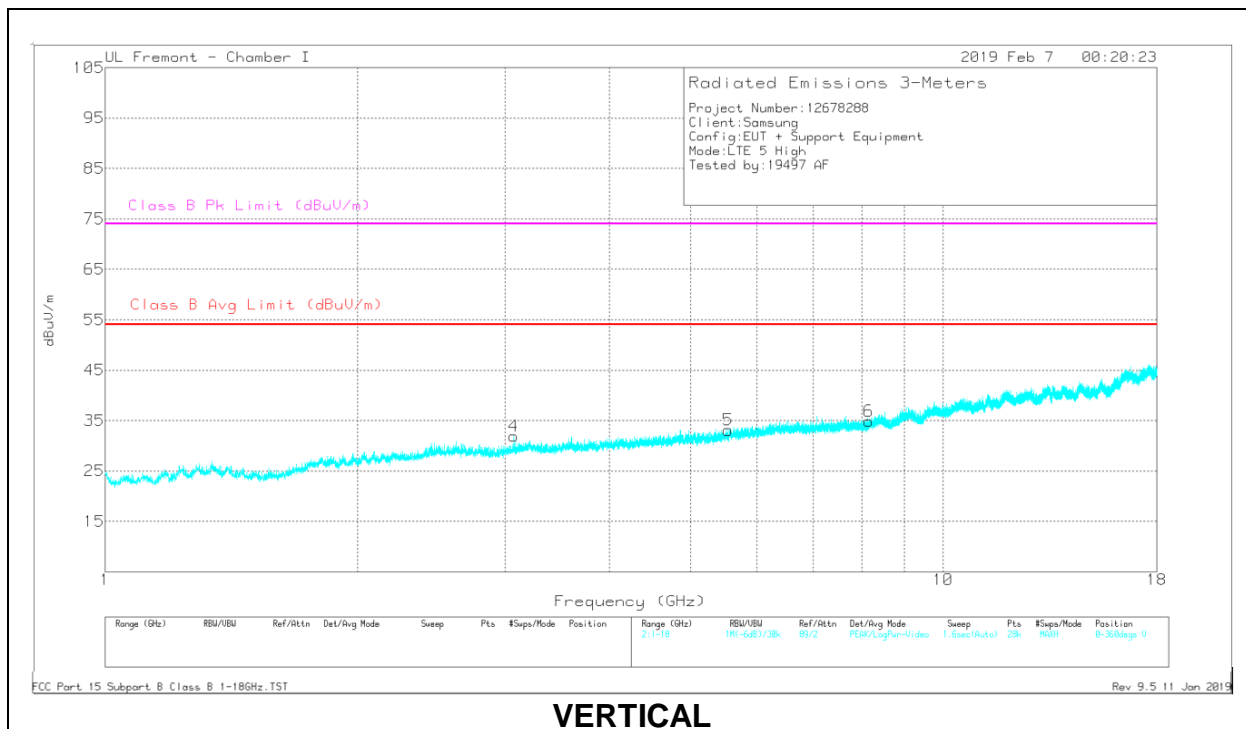
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.741	23.1	Pk	29.9	-33.1	19.9			74	-54.1	186	387	H
1.741	17.01	Av	29.9	-33.1	13.81	54	-40.19	-	-	186	387	H
2.407	20.43	Pk	32	-32.1	20.33			74	-53.67	176	300	H
2.407	16.26	Av	32	-32.1	16.16	54	-37.84	-	-	176	300	H
7.129	19.37	Pk	35.6	-26.2	28.77			74	-45.23	105	100	H
7.129	12.34	Av	35.6	-26.2	21.74	54	-32.26	-	-	105	100	H
1.756	35.36	Pk	30	-33.2	32.16			74	-41.84	105	395	V
1.758	26.68	Av	30	-33.1	23.58	54	-30.42	-	-	105	395	V
2.4	33.37	Pk	31.9	-32	33.27			74	-40.73	144	100	V
2.402	25.48	Av	32	-32	25.48	54	-28.52	-	-	144	100	V
7.498	23.85	Pk	35.6	-25.6	33.85			74	-40.15	144	168	V
7.5	20.7	Av	35.6	-25.6	30.7	54	-23.3	-	-	144	168	V

Pk - Peak detector  
 Av - Average detection

**HIGH CHANNEL(892.5MHz)**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

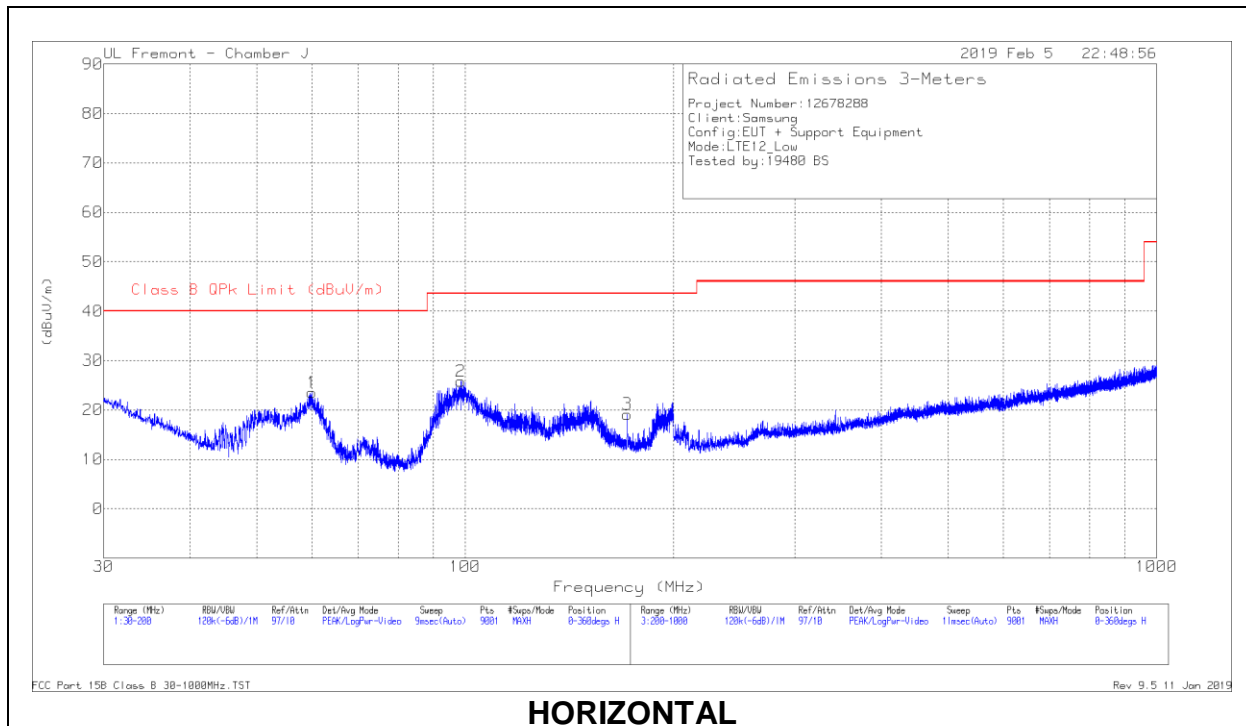
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.552	23.17	Pk	32.4	-31.5	24.07			74	-49.93	14	110	H
2.552	15.98	Av	32.4	-31.5	16.88	54	-37.12	-	-	14	110	H
6.705	15.46	Pk	35.7	-26.8	24.36			74	-49.64	73	154	H
6.705	12.5	Av	35.7	-26.8	21.4	54	-32.6	-	-	73	154	H
9.071	8.57	Pk	36.3	-23	21.87			74	-52.13	64	149	H
9.071	10.35	Av	36.3	-23.1	23.55	54	-30.45	-	-	64	149	H
3.073	31.75	Pk	32.7	-31.3	33.15			74	-40.85	184	149	V
3.075	25.07	Av	32.7	-31.3	26.47	54	-27.53	-	-	184	149	V
5.534	26.66	Pk	34.8	-28.7	32.76			74	-41.24	226	213	V
5.536	22.94	Av	34.8	-28.8	28.94	54	-25.06	-	-	226	213	V
8.15	25.11	Pk	35.7	-24.7	36.11			74	-37.89	221	200	V
8.152	19.83	Av	35.7	-24.7	30.83	54	-23.17	-	-	221	200	V

Pk - Peak detector  
 Av - Average detection

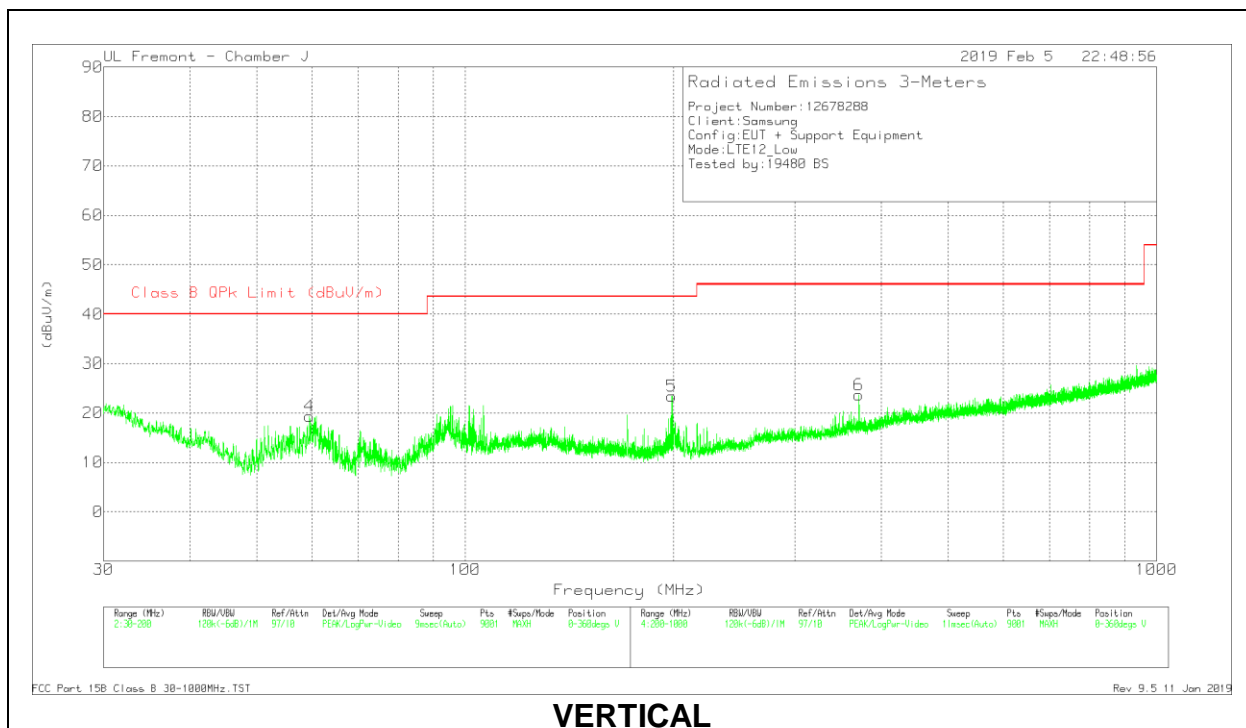
## 11.4. LTE Band 12

### 11.4.1. BELOW 1GHz

#### LOW CHANNEL(730.5MHz)



**HORIZONTAL**



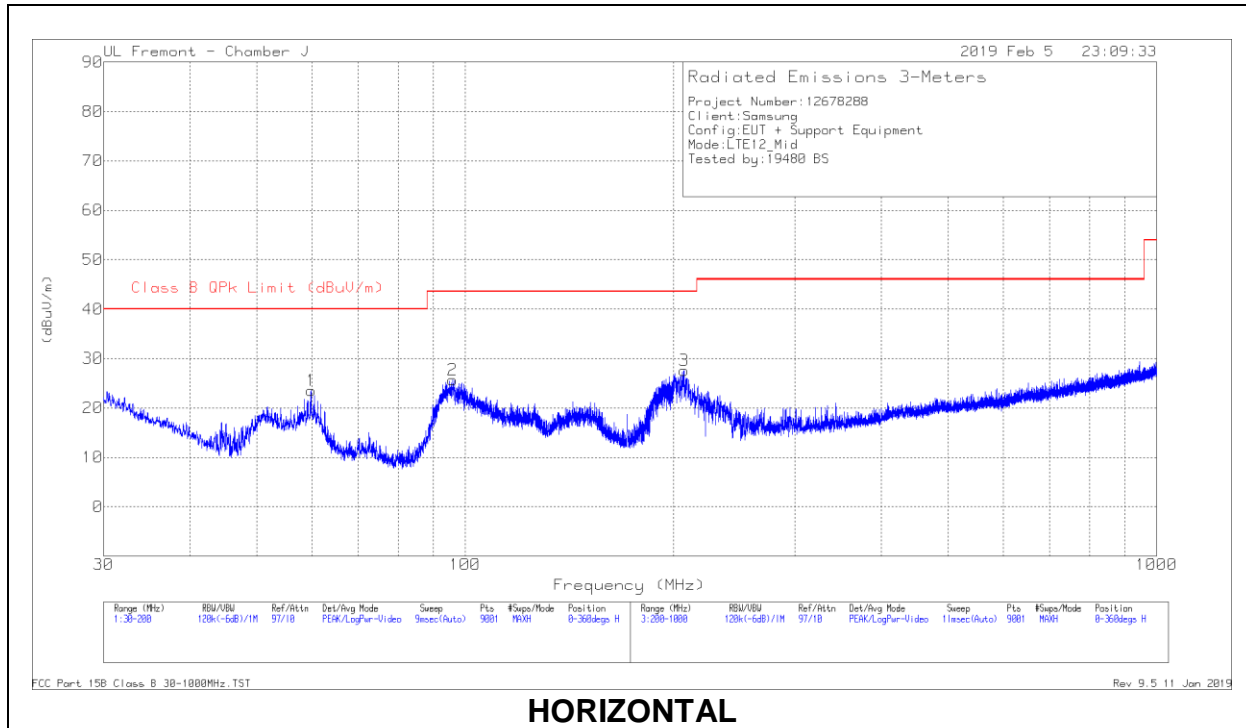
**VERTICAL**

### RADIATED EMISSIONS

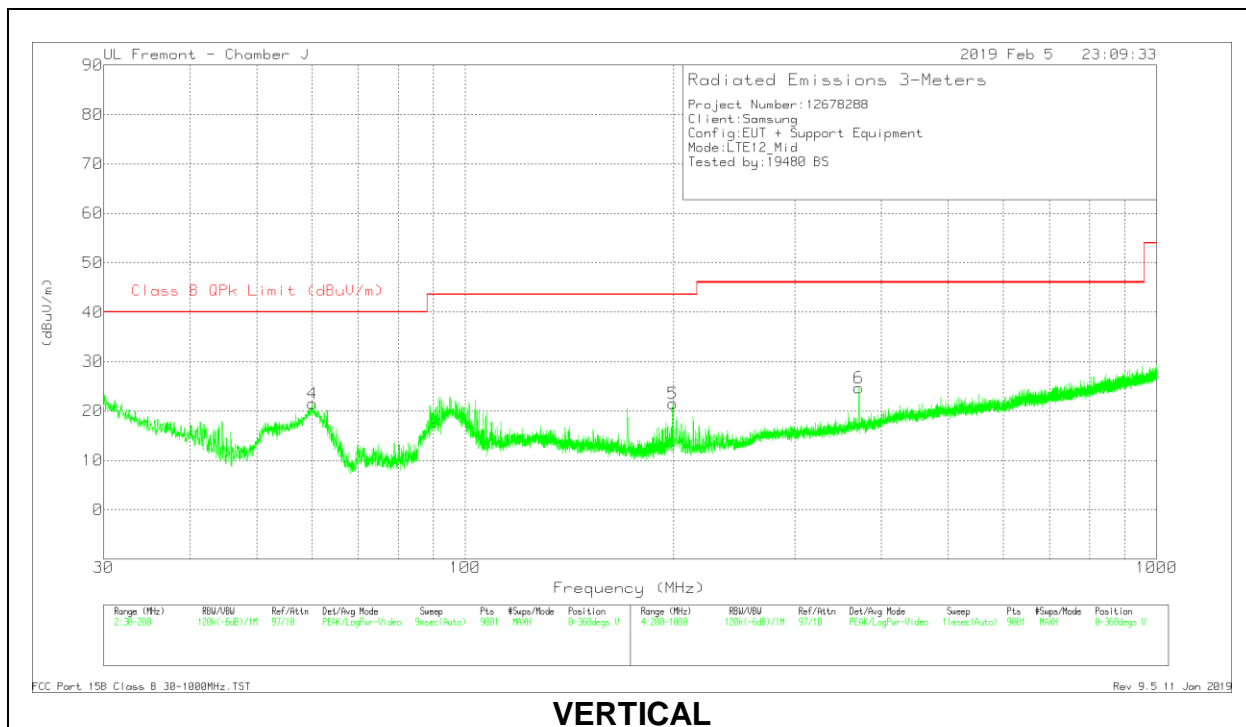
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181575 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	60.0524	41.37	Pk	13.3	-31.2	23.47	40	-16.53	0-360	298	H
2	98.6615	40.83	Pk	16	-31	25.83	43.52	-17.69	0-360	298	H
3	171.6108	32.14	Pk	17.5	-30.5	19.14	43.52	-24.38	0-360	198	H
4	59.5613	37.24	Pk	13.3	-31.2	19.34	40	-20.66	0-360	101	V
5	199.1132	35.39	Pk	18.4	-30.4	23.39	43.52	-20.13	0-360	101	V
6	371.2002	32.63	Pk	20.8	-29.8	23.63	46.02	-22.39	0-360	101	V

Pk - Peak detector

**MID CHANNEL(737.5MHz)**



**HORIZONTAL**



**VERTICAL**

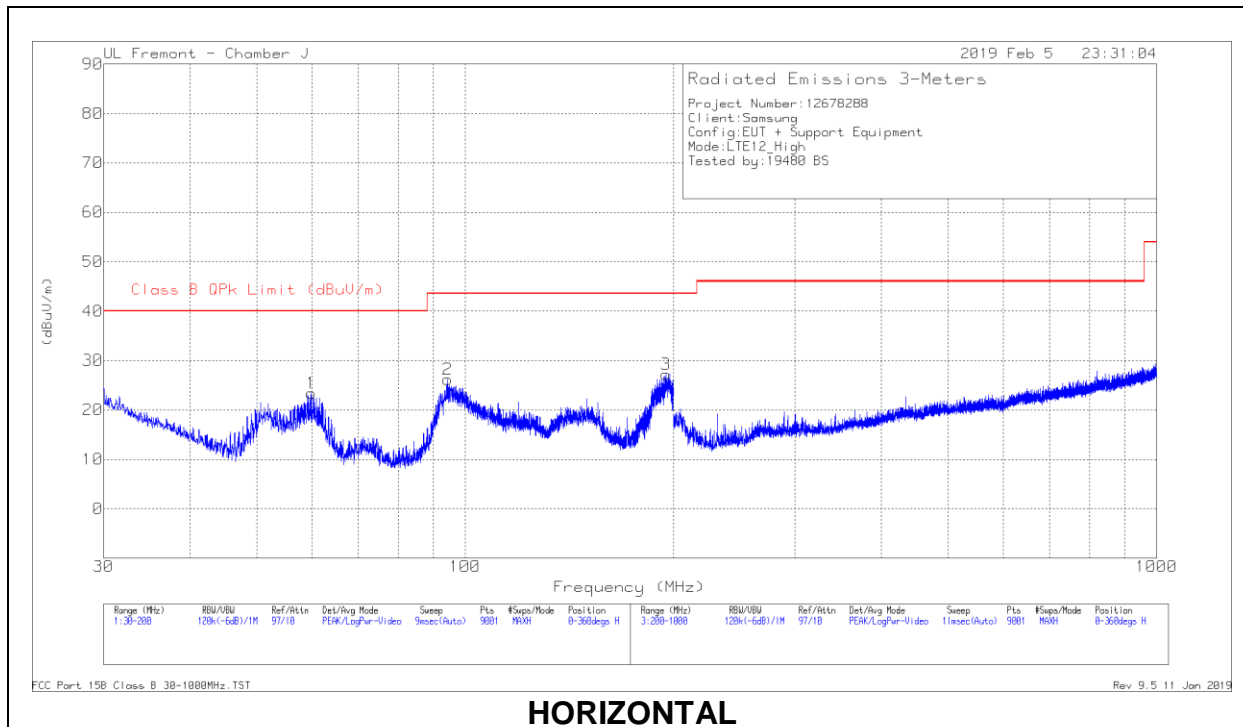
**RADIATED EMISSIONS**

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	59.8635	41.43	Pk	13.3	-31.2	23.53	40	-16.47	0-360	298	H
2	95.8848	41.53	Pk	15.2	-31	25.73	43.52	-17.79	0-360	298	H
4	60.1091	39.4	Pk	13.3	-31.2	21.5	40	-18.5	0-360	101	V
5	199.7932	33.47	Pk	18.4	-30.4	21.47	43.52	-22.05	0-360	101	V
3	207.2	41.53	Pk	16.3	-30.3	27.53	43.52	-15.99	0-360	101	H
6	371.2002	33.63	Pk	20.8	-29.8	24.63	46.02	-21.39	0-360	101	V

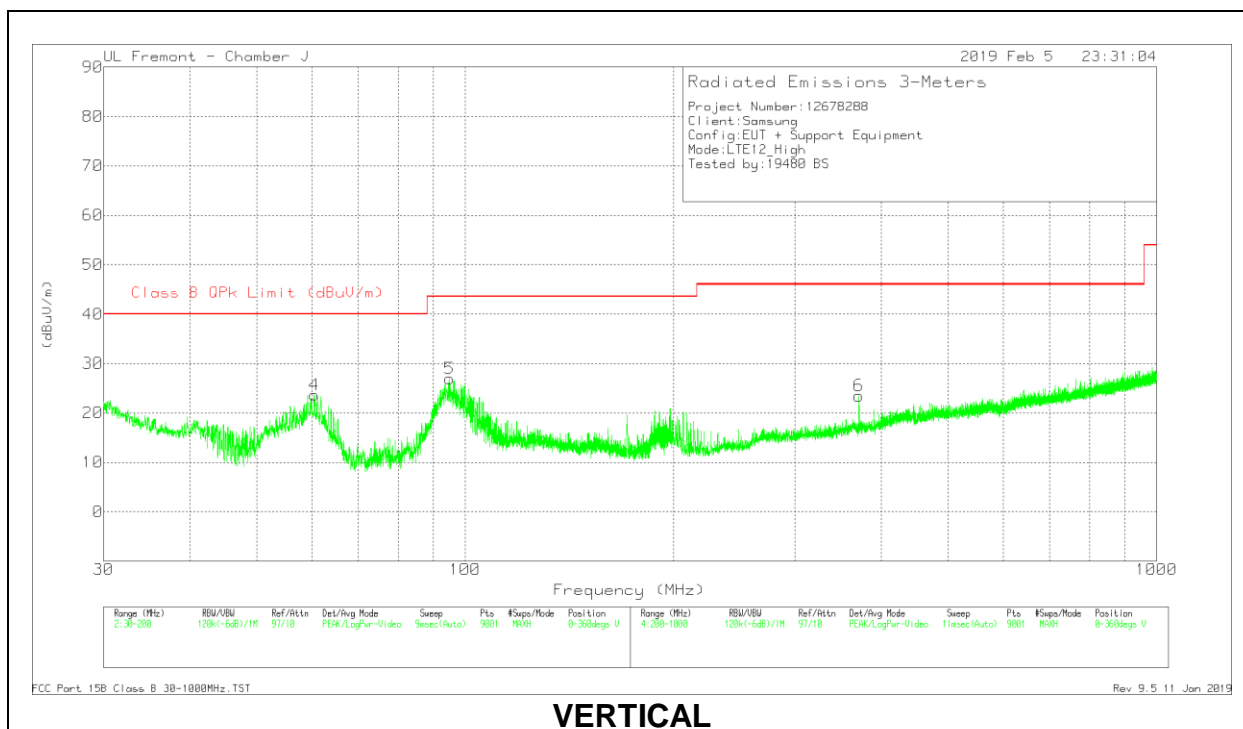
Pk - Peak detector



**HIGH CHANNEL(744.5MHz)**



**HORIZONTAL**



**VERTICAL**

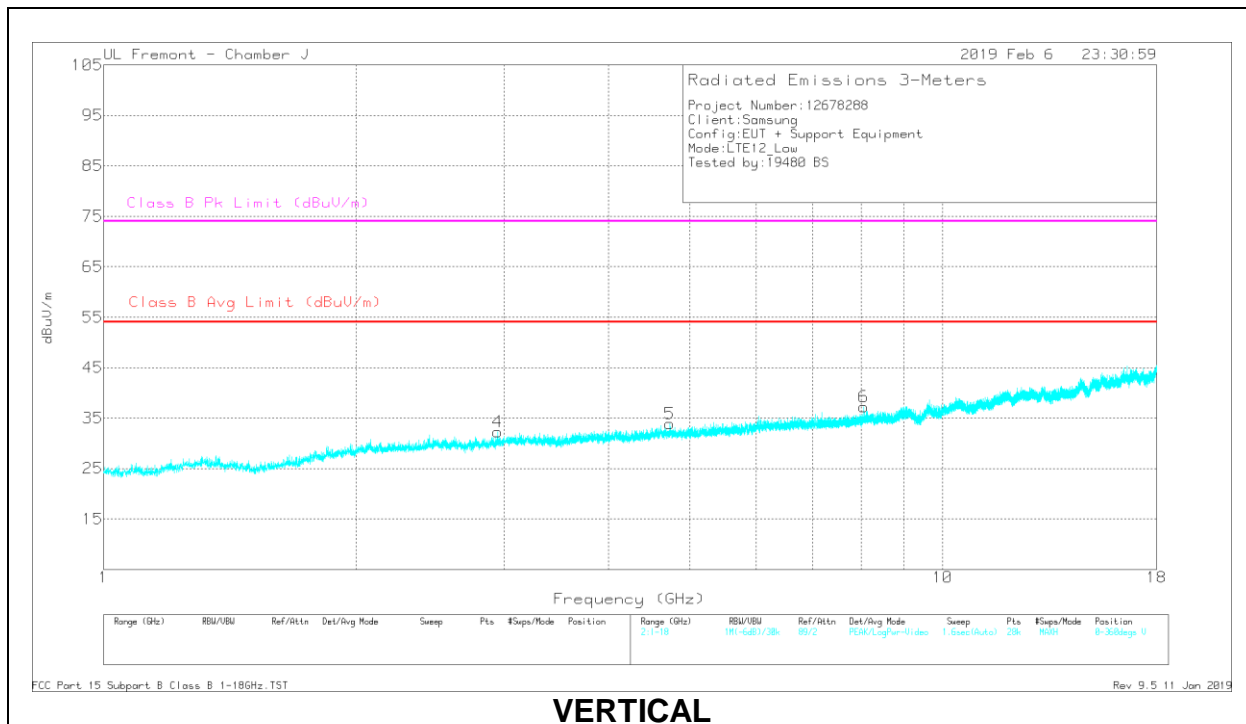
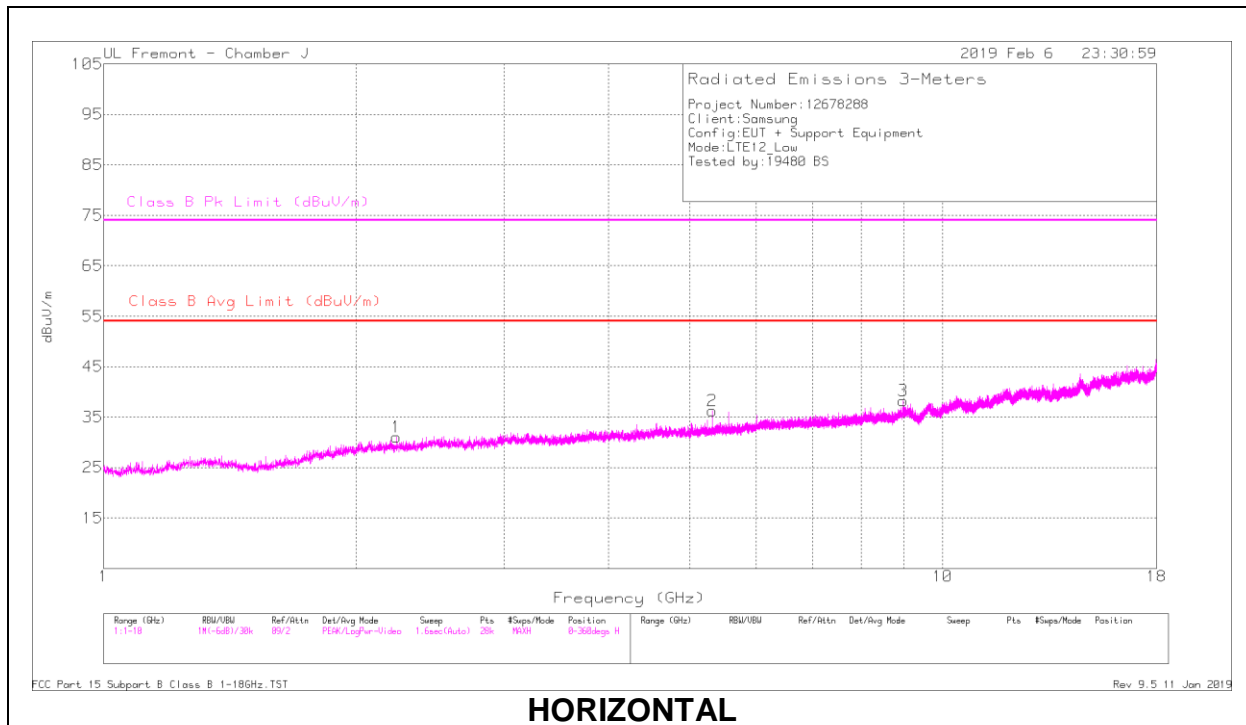
### RADIATED EMISSIONS

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	59.8635	41.3	Pk	13.3	-31.2	23.4	40	-16.6	0-360	298	H
2	94.2604	42.37	Pk	14.7	-30.9	26.17	43.52	-17.35	0-360	198	H
3	195.0899	39.79	Pk	17.8	-30.4	27.19	43.52	-16.33	0-360	101	H
4	60.5624	41.4	Pk	13.4	-31.2	23.6	40	-16.4	0-360	101	V
5	94.9404	42.94	Pk	14.9	-30.9	26.94	43.52	-16.58	0-360	101	V
6	371.2002	32.46	Pk	20.8	-29.8	23.46	46.02	-22.56	0-360	101	V

Pk - Peak detector

**11.4.2. ABOVE 1GHz**

**LOW CHANNEL(730.5MHz)**

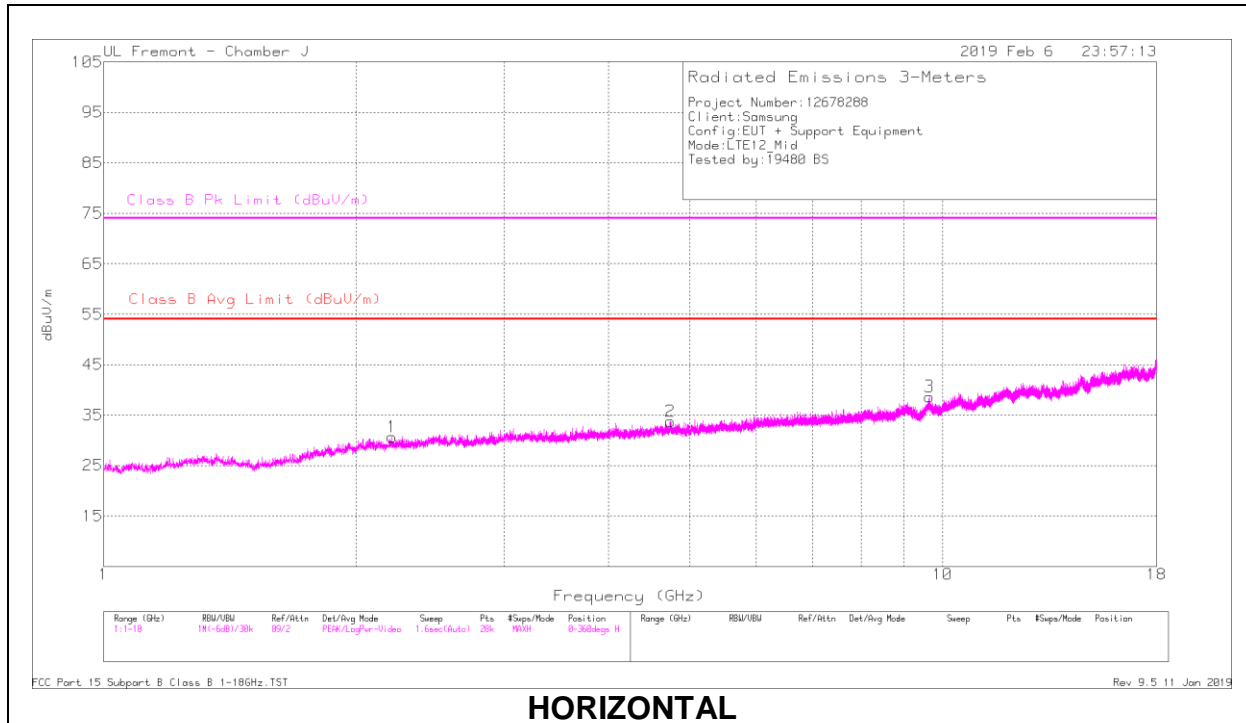


**RADIATED EMISSIONS**

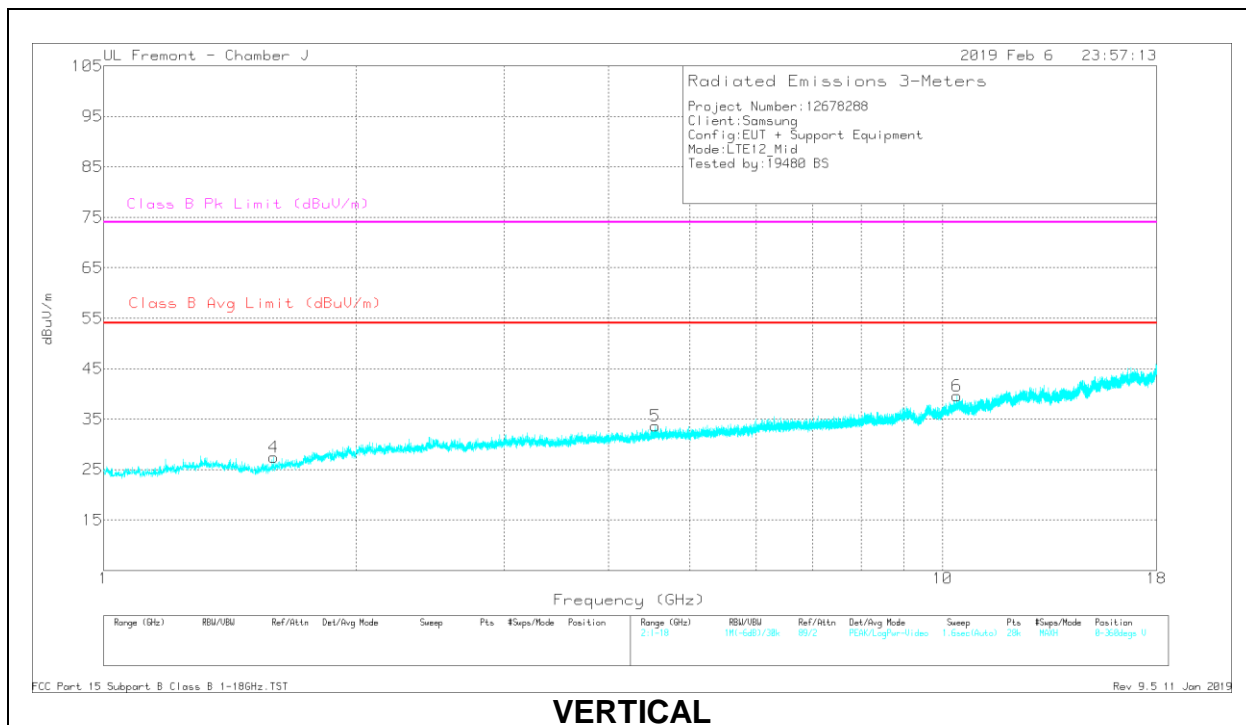
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.233	33.17	Pk	31.9	-35.9	29.17			74	-44.83	177	101	H
2.233	21.02	Av	31.9	-35.9	17.02	54	-36.98	-	-	177	101	H
5.315	29.85	Pk	34.3	-31.6	32.55			74	-41.45	304	196	H
5.315	17.43	Av	34.3	-31.6	20.13	54	-33.87	-	-	304	196	H
8.982	25.87	Pk	35.9	-25.5	36.27			74	-37.73	23	196	H
8.982	13.06	Av	35.9	-25.5	23.46	54	-30.54	-	-	23	196	H
2.952	43.67	Pk	32.7	-35.3	41.07			74	-32.93	0	196	V
2.952	29.94	Av	32.7	-35.3	27.34	54	-26.66	-	-	0	196	V
4.734	41.19	Pk	34	-32	43.19			74	-30.81	324	103	V
4.734	27.36	Av	34	-32	29.36	54	-24.64	-	-	324	103	V
8.06	37.53	Pk	35.8	-27.9	45.43			74	-28.57	145	196	V
8.06	23.48	Av	35.8	-27.9	31.38	54	-22.62	-	-	145	196	V

Pk - Peak detector  
 Av - Average detection

**MID CHANNEL(737.5MHz)**



**HORIZONTAL**



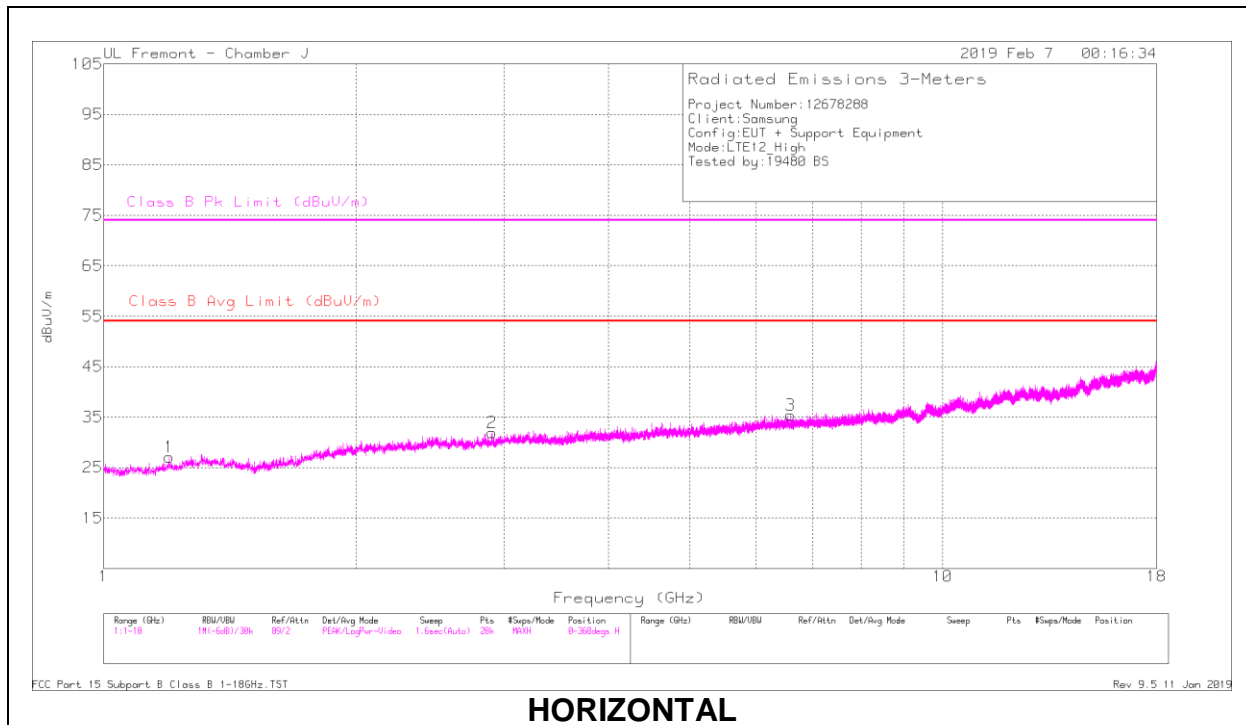
**VERTICAL**

**RADIATED EMISSIONS**

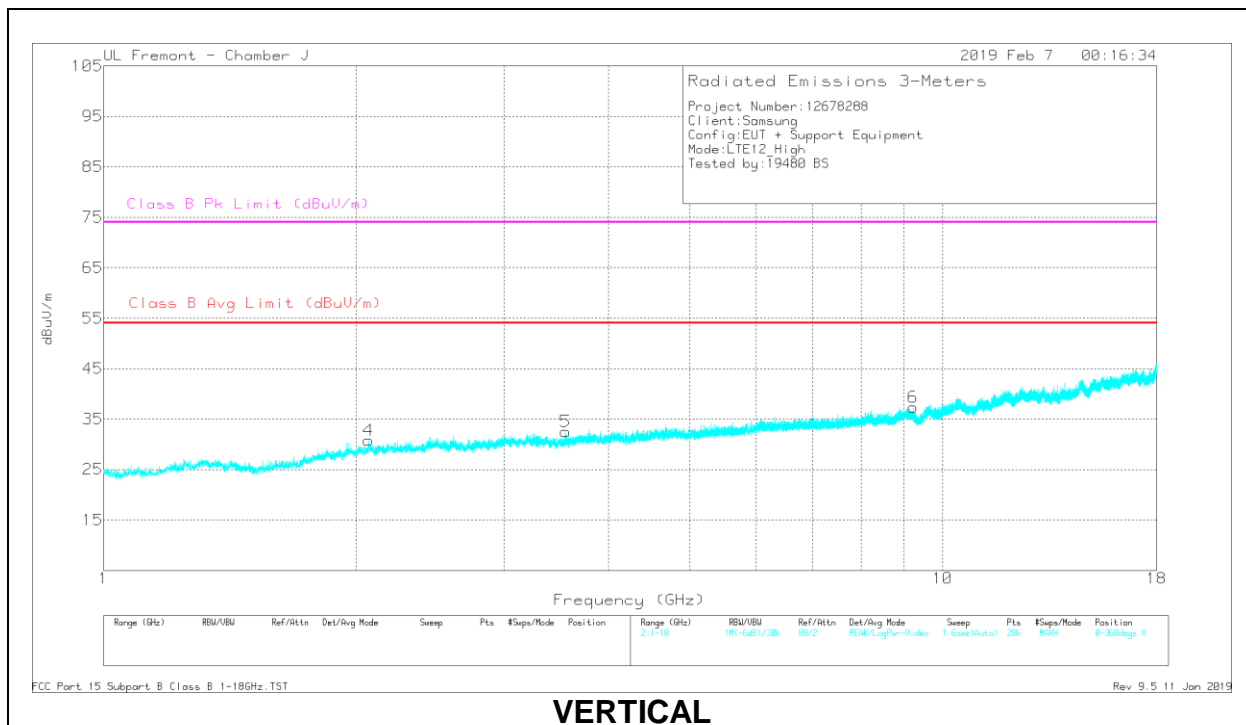
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.206	33.86	Pk	31.9	-35.8	29.96			74	-44.04	142	101	H
2.206	21.07	Av	31.9	-35.8	17.17	54	-36.83	-	-	142	101	H
4.741	31.06	Pk	34	-31.9	33.16			74	-40.84	0	101	H
4.741	18.05	Av	34	-31.9	20.15	54	-33.85	-	-	0	101	H
9.654	26.82	Pk	36.6	-25.5	37.92			74	-36.08	170	196	H
9.654	13.02	Av	36.6	-25.5	24.12	54	-29.88	-	-	170	196	H
1.596	43.82	Pk	28.4	-36.1	36.12			74	-37.88	94	196	V
1.596	30.31	Av	28.4	-36.1	22.61	54	-31.39	-	-	94	196	V
4.548	40.46	Pk	34.2	-32.1	42.56			74	-31.44	0	196	V
4.548	26.99	Av	34.2	-32.1	29.09	54	-24.91	-	-	0	196	V
10.412	36.5	Pk	37.5	-26	48			74	-26	360	104	V
10.412	22.77	Av	37.5	-26	34.27	54	-19.73	-	-	360	104	V

Pk - Peak detector  
 Av - Average detection

**HIGH CHANNEL(744.5MHz)**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (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
1.197	33.57	Pk	28.3	-36	25.87			74	-48.13	218	196	H
1.197	20.96	Av	28.3	-36	13.26	54	-40.74	-	-	218	196	H
2.906	33.22	Pk	32.6	-35.4	30.42			74	-43.58	315	102	H
2.906	20.93	Av	32.6	-35.4	18.13	54	-35.87	-	-	315	102	H
6.596	28.53	Pk	35.5	-29.1	34.93			74	-39.07	159	102	H
6.596	15.28	Av	35.5	-29.1	21.68	54	-32.32	-	-	159	102	H
2.068	43.49	Pk	31.8	-35.9	39.39			74	-34.61	67	102	V
2.068	30.28	Av	31.8	-35.9	26.18	54	-27.82	-	-	67	102	V
3.553	42.18	Pk	33	-34.3	40.88			74	-33.12	222	196	V
3.553	29.01	Av	33	-34.3	27.71	54	-26.29	-	-	222	196	V
9.225	35.22	Pk	36.1	-25.7	45.62			74	-28.38	284	196	V
9.225	22.23	Av	36.1	-25.7	32.63	54	-21.37	-	-	284	196	V

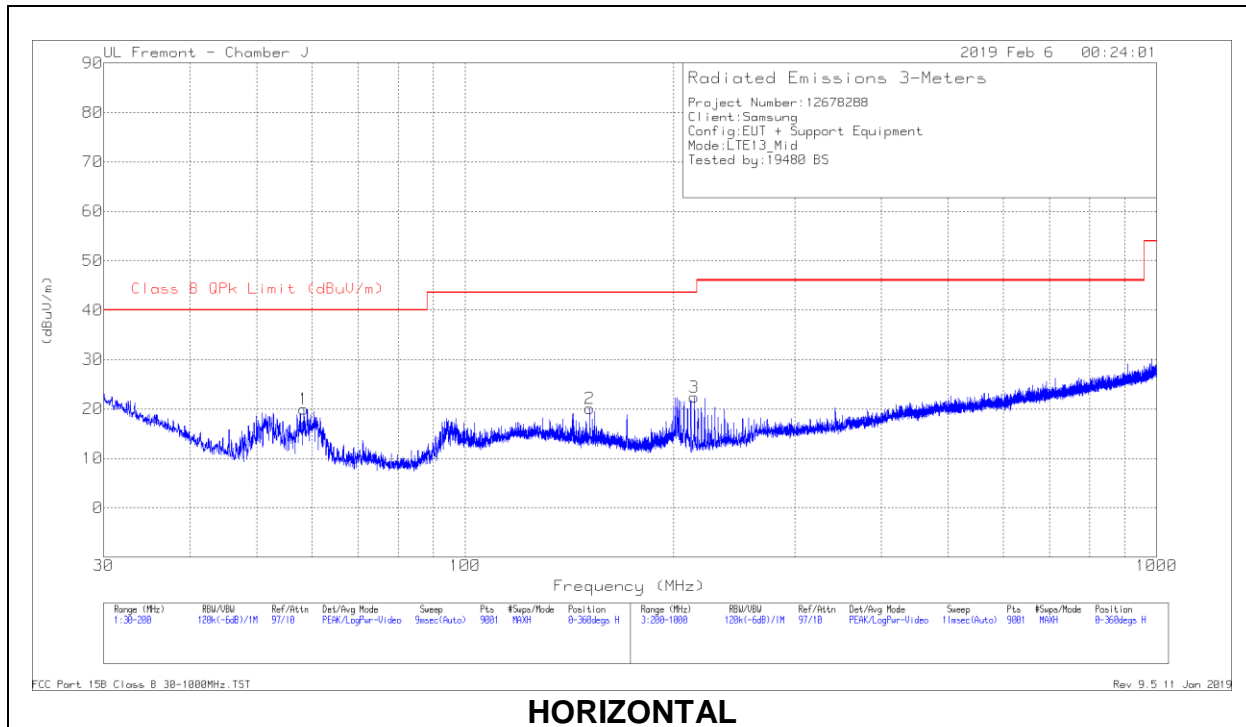
Pk - Peak detector  
 Av - Average detection



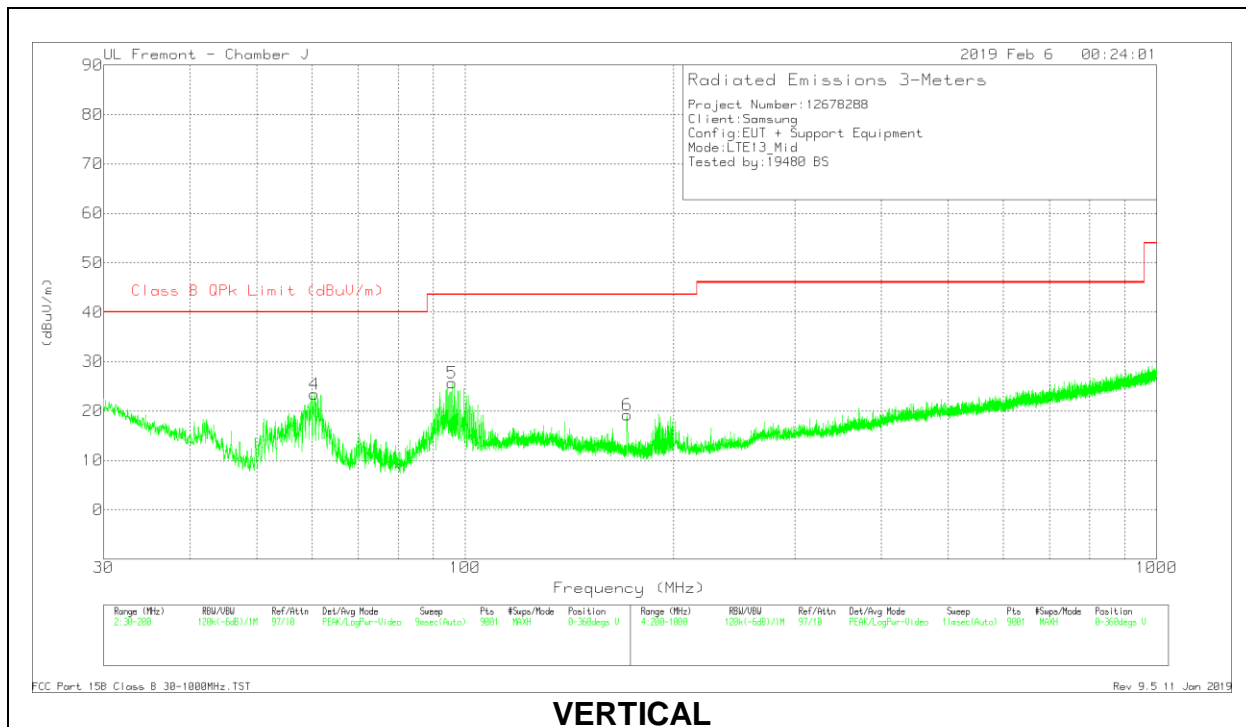
# 11.5. LTE Band 13

## 11.5.1. BELOW 1GHz

### MID CHANNEL(751MHz)



**HORIZONTAL**



**VERTICAL**

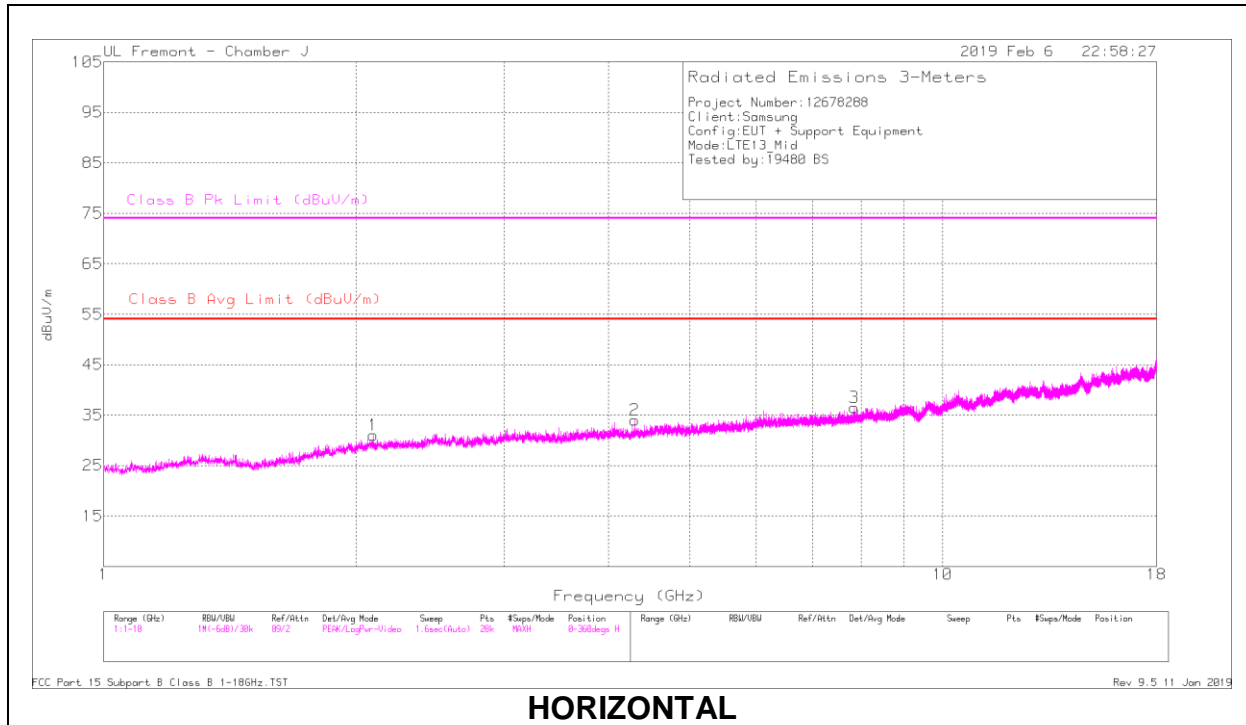
**RADIATED EMISSIONS**

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	58.4374	38.03	Pk	13.1	-31.2	19.93	40	-20.07	0-360	398	H
2	151.324	32.4	Pk	18.3	-30.6	20.1	43.52	-23.42	0-360	298	H
4	60.5246	41.16	Pk	13.4	-31.2	23.36	40	-16.64	0-360	101	V
5	95.7337	41.43	Pk	15.1	-30.9	25.63	43.52	-17.89	0-360	101	V
6	171.5542	32.17	Pk	17.5	-30.5	19.17	43.52	-24.35	0-360	101	V
3	214.5334	36.27	Pk	16.4	-30.3	22.37	43.52	-21.15	0-360	101	H

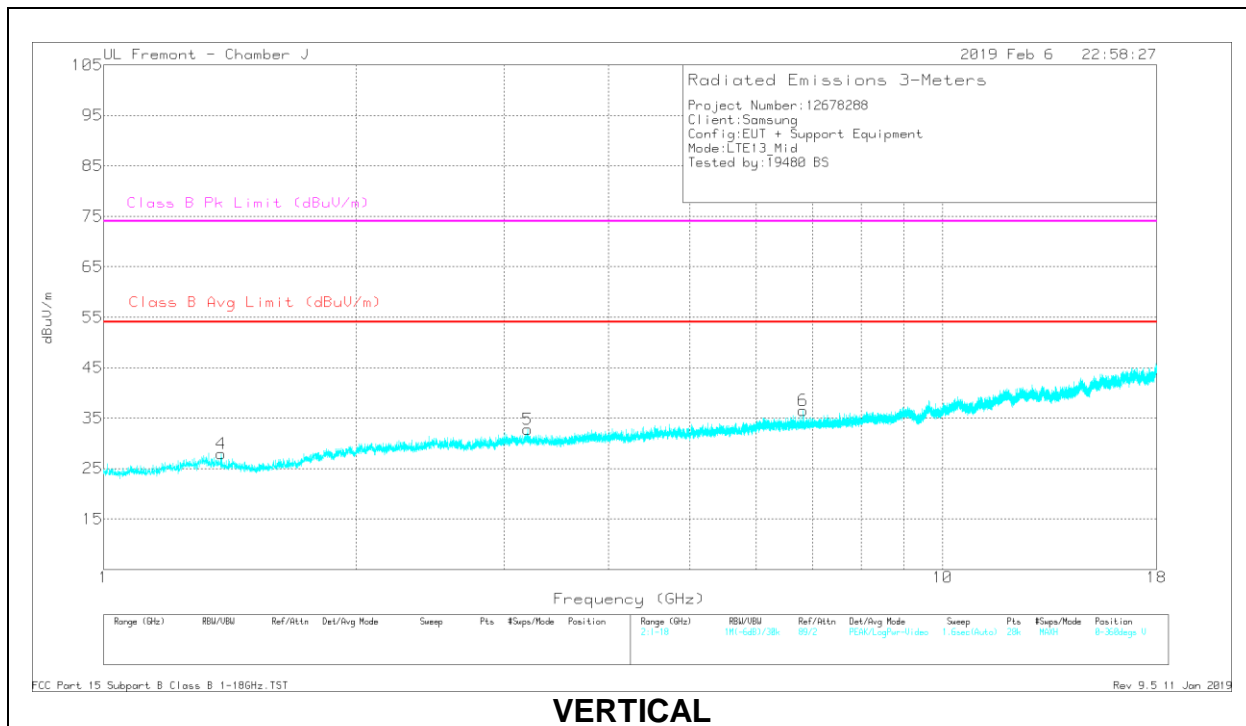
Pk - Peak detector

**11.5.2. ABOVE 1GHz**

**MID CHANNEL(751MHz)**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (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
2.095	34.22	Pk	31.8	-35.9	30.12			74	-43.88	275	196	H
2.095	20.91	Av	31.8	-35.9	16.81	54	-37.19	-	-	275	196	H
4.299	30.72	Pk	33.5	-32.5	31.72			74	-42.28	173	196	H
4.299	18	Av	33.5	-32.5	19	54	-35	-	-	173	196	H
7.852	26.69	Pk	35.8	-28	34.49			74	-39.51	83	196	H
7.852	14.56	Av	35.8	-28	22.36	54	-31.64	-	-	83	196	H
1.382	43.74	Pk	29.1	-36.1	36.74			74	-37.26	0	196	V
1.382	30.05	Av	29.1	-36.1	23.05	54	-30.95	-	-	0	196	V
3.205	42.58	Pk	33.3	-35	40.88			74	-33.12	222	103	V
3.205	29.79	Av	33.3	-35	28.09	54	-25.91	-	-	222	103	V
6.815	36.95	Pk	35.6	-28.6	43.95			74	-30.05	280	196	V
6.815	23.92	Av	35.6	-28.6	30.92	54	-23.08	-	-	280	196	V

Pk - Peak detector  
 Av - Average detection