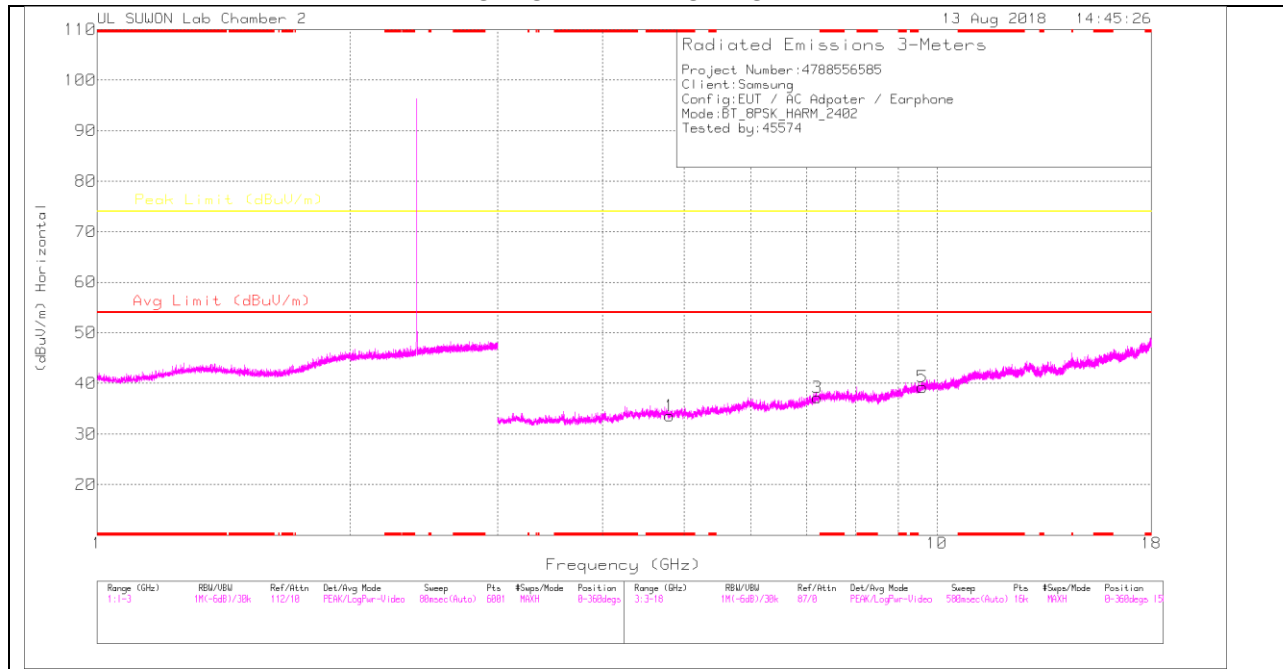
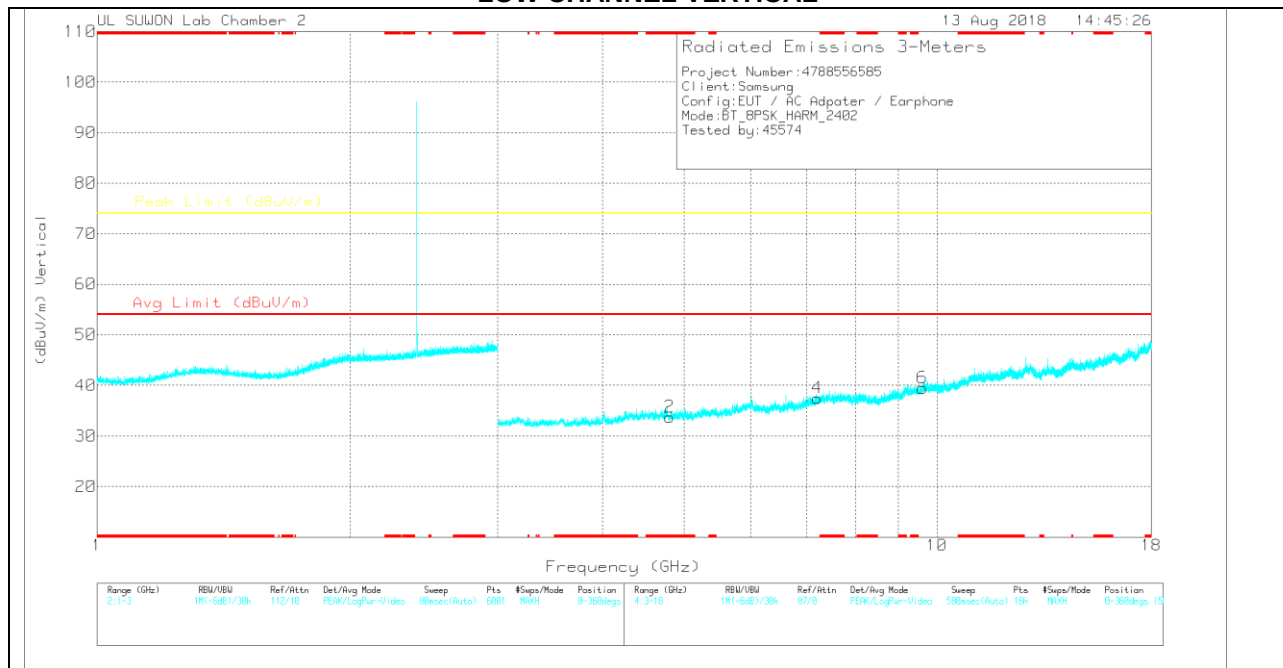


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

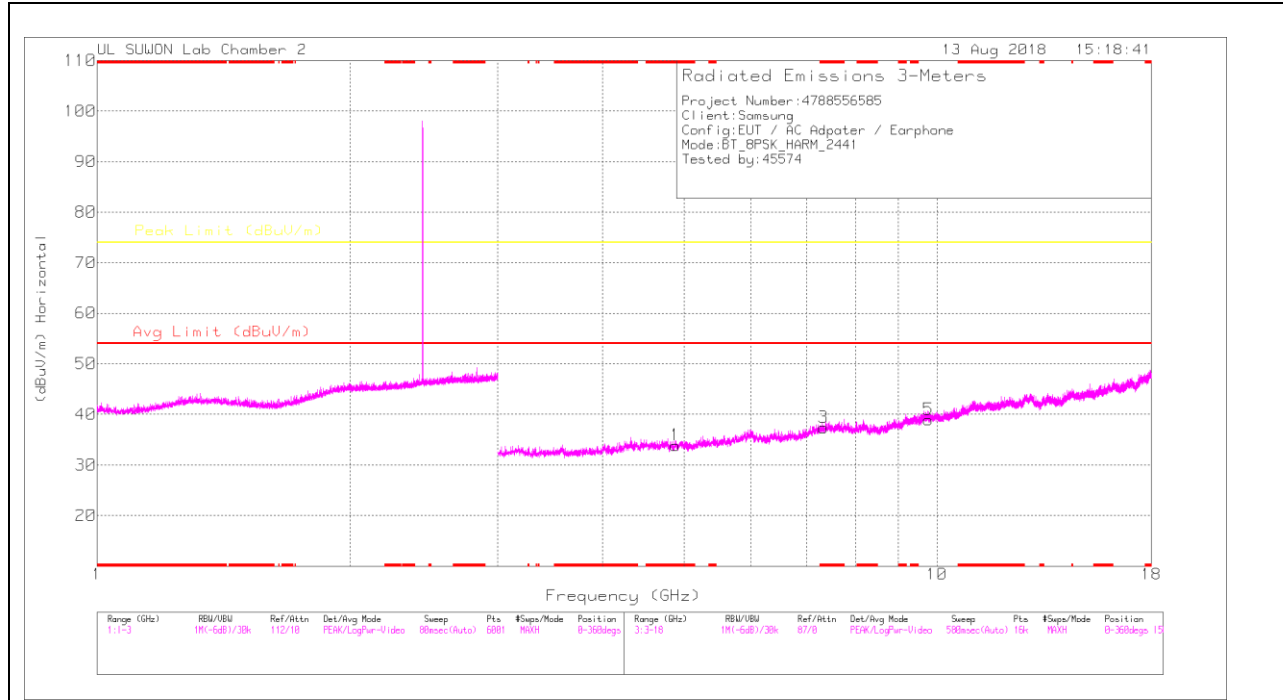
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.805	27.67	PK	34	-28.1	33.57	-	-	74	-40.43	0-360	150	H
3	7.206	26.39	PK	36.1	-25.3	37.19	-	-	74	-36.81	0-360	250	H
5	9.609	24.16	PK	37	-21.9	39.26	-	-	74	-34.74	0-360	250	H
2	* 4.805	27.84	PK	34	-28.1	33.74	-	-	74	-40.26	0-360	250	V
4	7.206	26.69	PK	36.1	-25.3	37.49	-	-	74	-36.51	0-360	150	V
6	9.609	24.39	PK	37	-21.9	39.49	-	-	74	-34.51	0-360	250	V

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

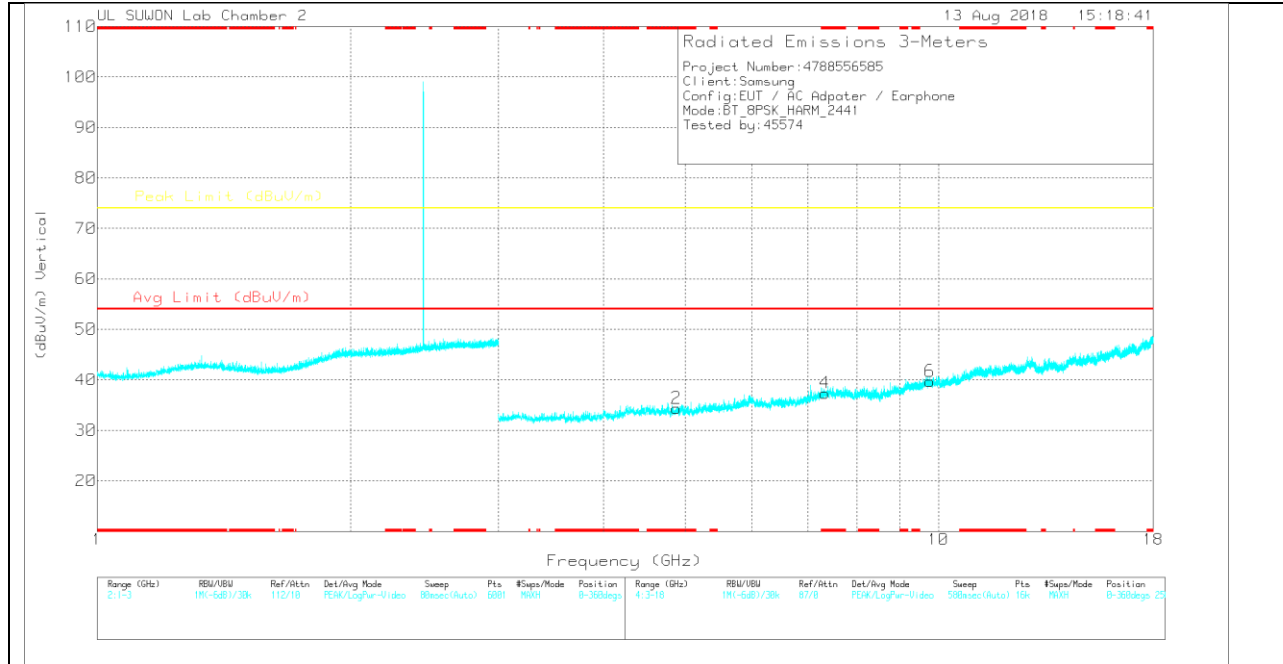
PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

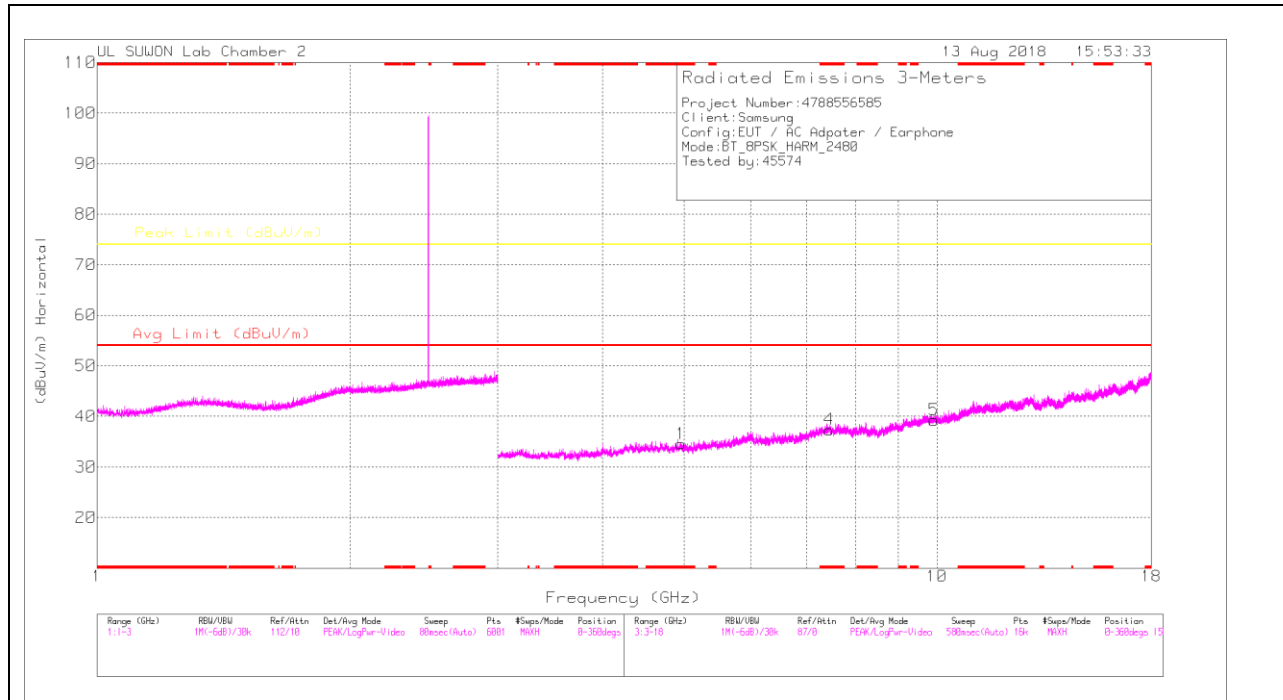
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.882	27.78	PK	34	-27.9	33.88	-	-	74	-40.12	0-360	150	H
3	* 7.323	25.98	PK	36.2	-24.8	37.38	-	-	74	-36.62	0-360	150	H
5	9.765	23.27	PK	37.2	-21.5	38.97	-	-	74	-35.03	0-360	150	H
2	* 4.882	28.26	PK	34	-27.9	34.36	-	-	74	-39.64	0-360	250	V
4	* 7.323	25.97	PK	36.2	-24.8	37.37	-	-	74	-36.63	0-360	150	V
6	9.765	23.99	PK	37.2	-21.5	39.69	-	-	74	-34.31	0-360	250	V

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

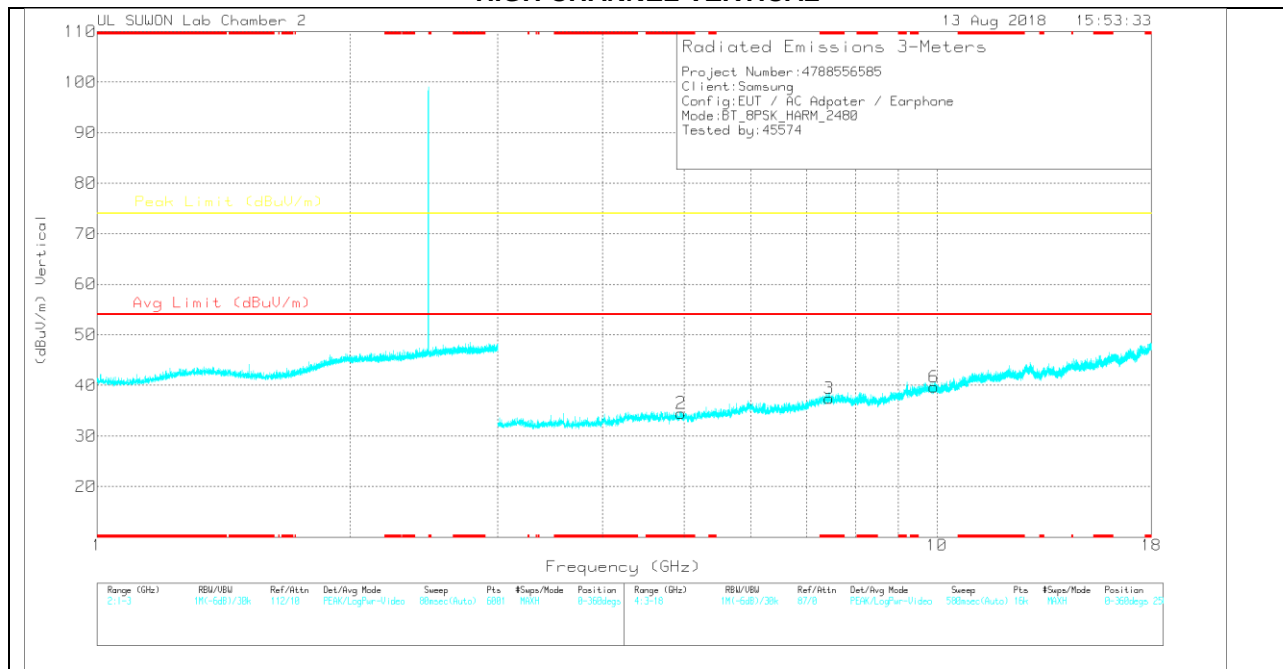
PK – Peak detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.961	27.55	PK	34.1	-27.1	34.55	-	-	74	-39.45	0-360	150	H
4	* 7.441	25.27	PK	36.2	-24.1	37.37	-	-	74	-36.63	0-360	150	H
5	9.921	22.86	PK	37.4	-21	39.26	-	-	74	-34.74	0-360	150	H
2	* 4.959	27.47	PK	34.1	-27.1	34.47	-	-	74	-39.53	0-360	150	V
3	* 7.441	25.31	PK	36.2	-24.1	37.41	-	-	74	-36.59	0-360	250	V
6	9.921	23.26	PK	37.4	-21	39.66	-	-	74	-34.34	0-360	250	V

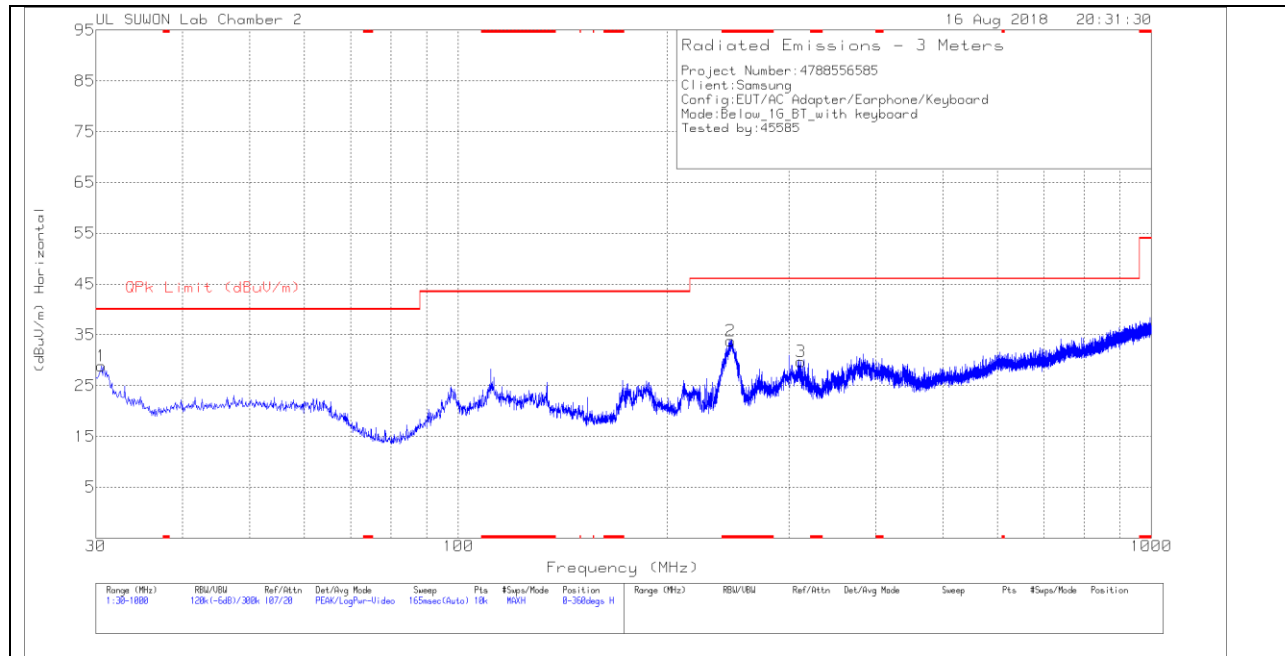
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

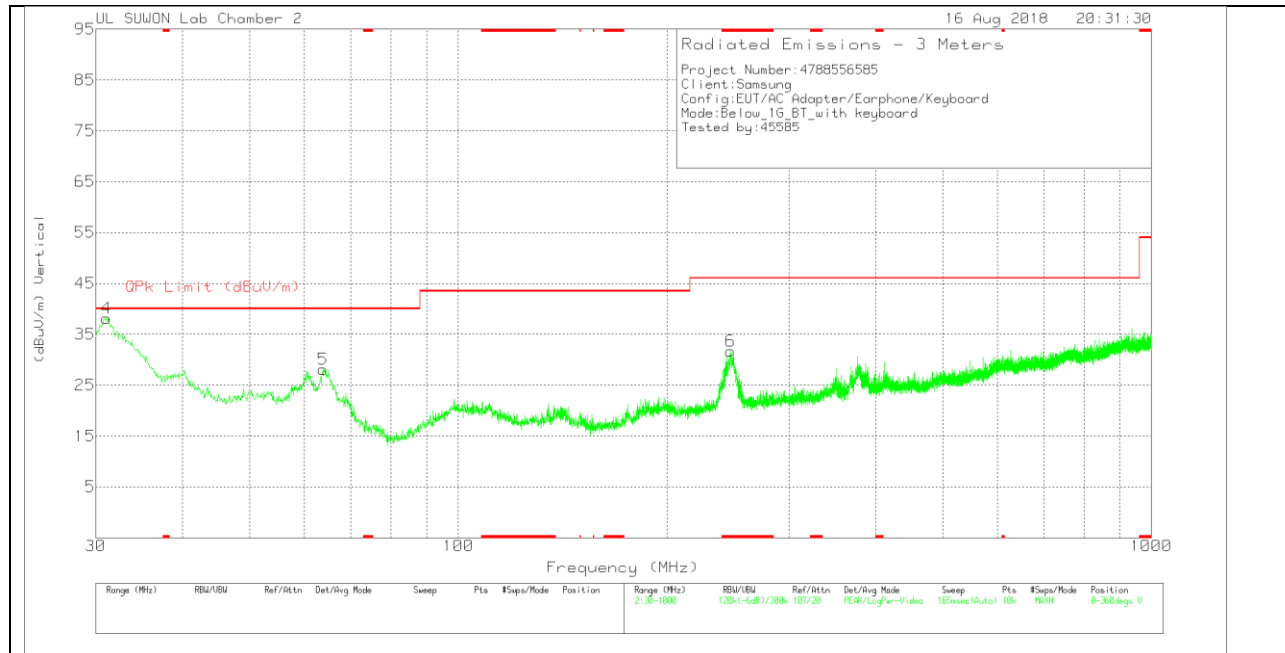
11.3. WORST-CASE BELOW 1 GHz

GFSK SPURIOUS EMISSIONS 30 TO 1000 MHz(with Keyboard)

HORIZONTAL PLOT



VERTICAL PLOT



BELOW 1 GHz TABLE

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.582	45.13	Pk	15.7	-32	28.83	40	-11.17	0-360	300	H
2	* 246.892	45.64	Pk	18.9	-30.7	33.84	46.02	-12.18	0-360	100	H
3	312.367	40.68	Pk	19.5	-30.4	29.78	46.02	-16.24	0-360	100	H
4	31.067	54.58	Pk	15.6	-32	38.18	40	-1.82	0-360	100	V
5	63.853	42.22	Pk	17.6	-31.7	28.12	40	-11.88	0-360	100	V
6	* 247.183	43.5	Pk	18.9	-30.7	31.7	46.02	-14.32	0-360	100	V

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

12. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

^{*} Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

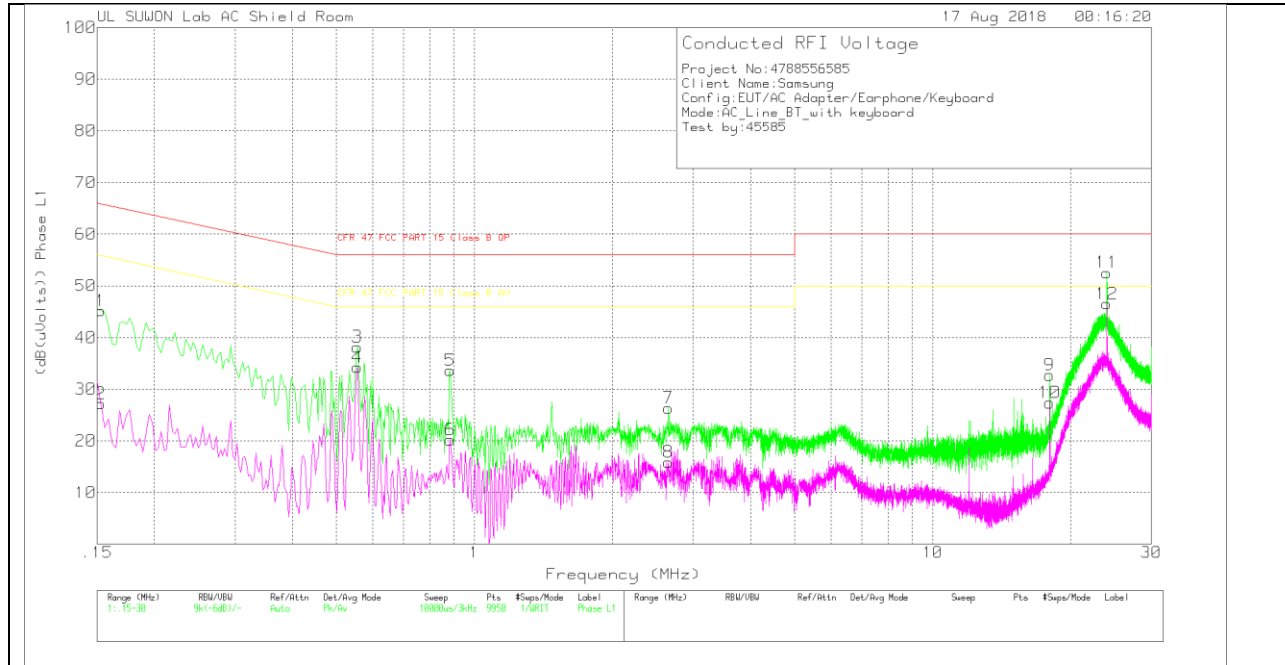
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

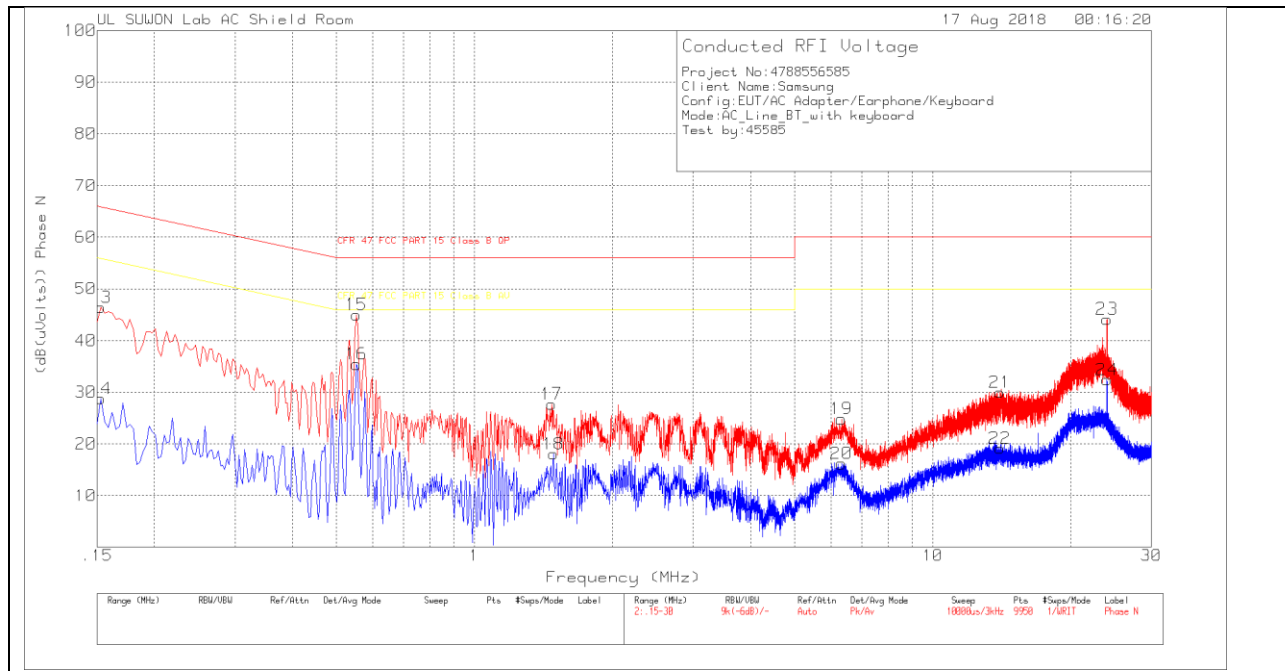
Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_L1_wit h extension	CABLELOSS(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
1	.153	35.11	Pk	10	.1	45.21	65.84	-20.63	-	-
2	.153	17.1	Av	10	.1	27.2	-	-	55.84	-28.64
3	.555	28.19	Pk	9.8	.2	38.19	56	-17.81	-	-
4	.555	24.24	Av	9.8	.2	34.24	-	-	46	-11.76
5	.885	23.62	Pk	9.7	.3	33.62	56	-22.38	-	-
6	.885	10.2	Av	9.7	.3	20.2	-	-	46	-25.8
7	2.652	16.25	Pk	9.8	.3	26.35	56	-29.65	-	-
8	2.652	5.79	Av	9.8	.3	15.89	-	-	46	-30.11
9	18.003	22.33	Pk	10	.4	32.73	60	-27.27	-	-
10	18.003	16.98	Av	10	.4	27.38	-	-	50	-22.62
11	23.997	41.96	Pk	10.2	.4	52.56	60	-7.44	-	-
12	23.997	35.94	Av	10.2	.4	46.54	-	-	50	-3.46

Pk - Peak detector

Av - Average detection

LINE 2 PLOT



LINE 2 RESULTS

Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_N_with extension	CABLELOSS(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
13	.153	36.32	Pk	10	.1	46.42	65.84	-19.42	-	-
14	.153	18.68	Av	10	.1	28.78	-	-	55.84	-27.06
15	.552	34.98	Pk	9.8	.2	44.98	56	-11.02	-	-
16	.552	25.42	Av	9.8	.2	35.42	-	-	46	-10.58
17	1.473	17.49	Pk	9.9	.3	27.69	56	-28.31	-	-
18	1.488	7.85	Av	9.9	.3	18.05	-	-	46	-27.95
19	6.321	14.72	Pk	9.8	.3	24.82	60	-35.18	-	-
20	6.321	6.09	Av	9.8	.3	16.19	-	-	50	-33.81
21	14.022	19.68	Pk	9.9	.4	29.98	60	-30.02	-	-
22	14.004	8.83	Av	9.9	.4	19.13	-	-	50	-30.87
23	24.009	33.53	Pk	10.2	.4	44.13	60	-15.87	-	-
24	24.006	21.82	Av	10.2	.4	32.42	-	-	50	-17.58

Pk - Peak detector

Av - Average detection