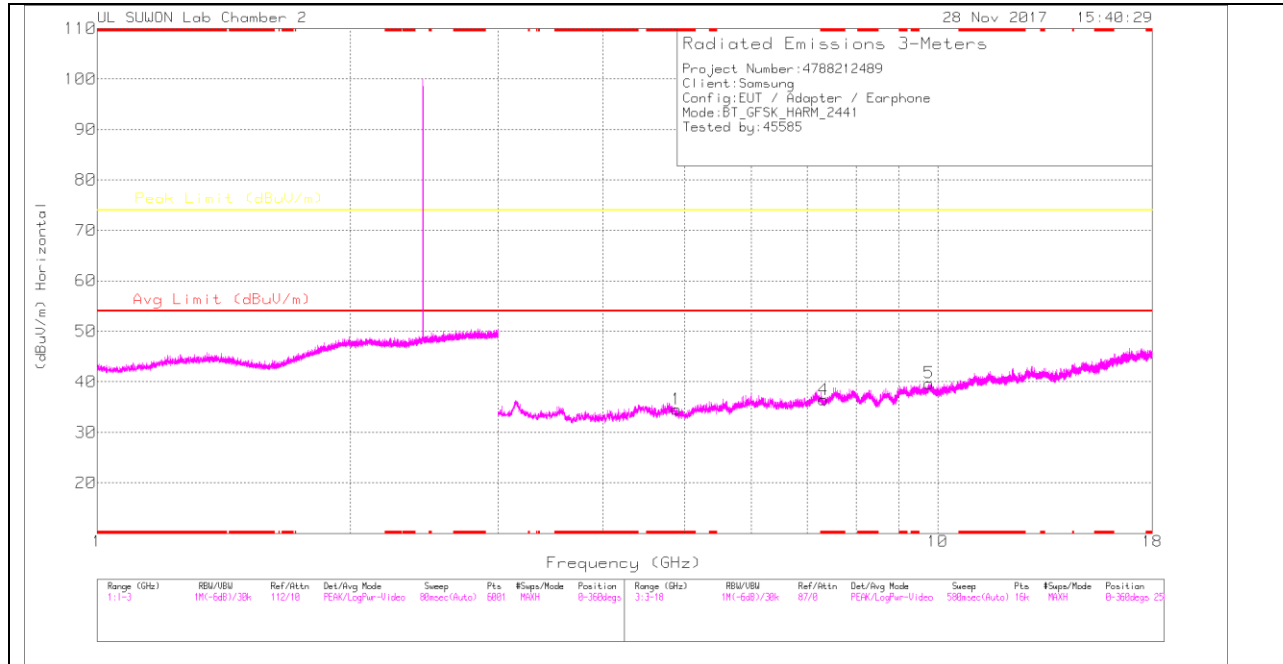
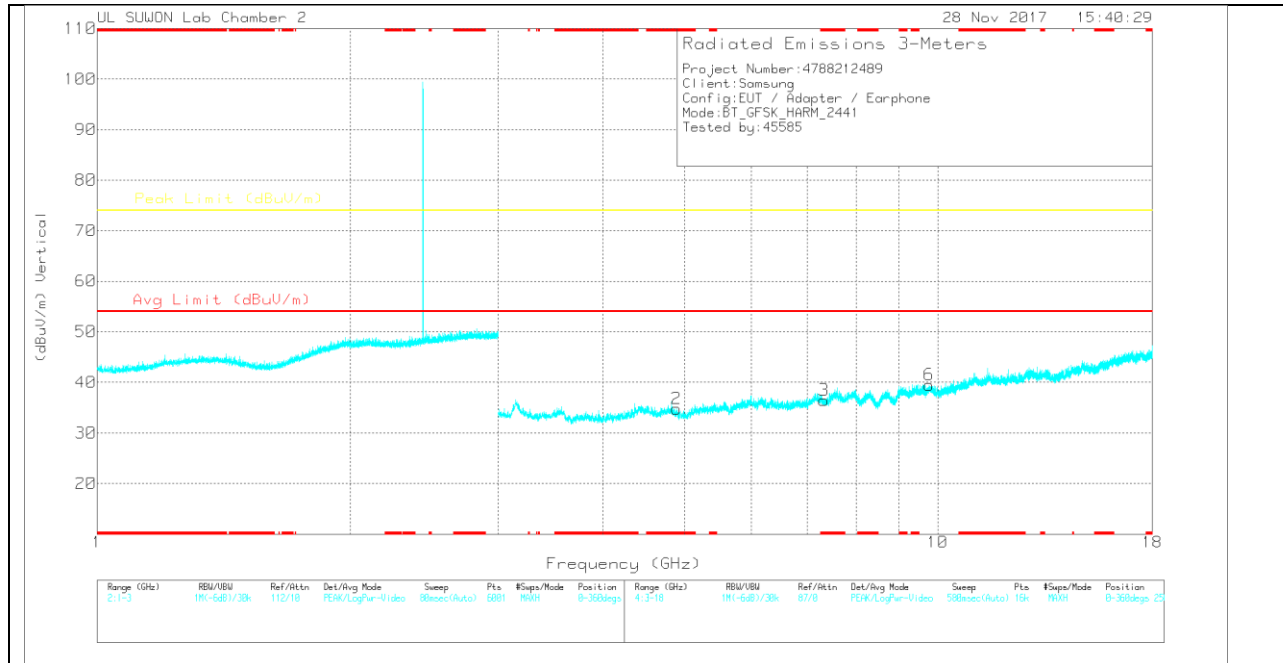


10.4. HARMONICS AND SPURIOUS EMISSIONS (on Worst case) equipped with protective case

HORIZONTAL



VERTICAL



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[0016 8724]	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	* 4.89	25.34	PK	33.8	-24.6	34.54	-	-	74	-39.46	0-360	250	H
4	* 7.32	22.51	PK	35.9	-22	36.41	-	-	74	-37.59	0-360	250	H
5	9.771	20.83	PK	36.9	-18	39.73	-	-	74	-34.27	0-360	250	H
2	* 4.888	25.58	PK	33.8	-24.6	34.78	-	-	74	-39.22	0-360	150	V
3	* 7.323	22.45	PK	35.9	-21.9	36.45	-	-	74	-37.55	0-360	150	V
6	9.765	20.59	PK	36.9	-18	39.49	-	-	74	-34.51	0-360	250	V

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

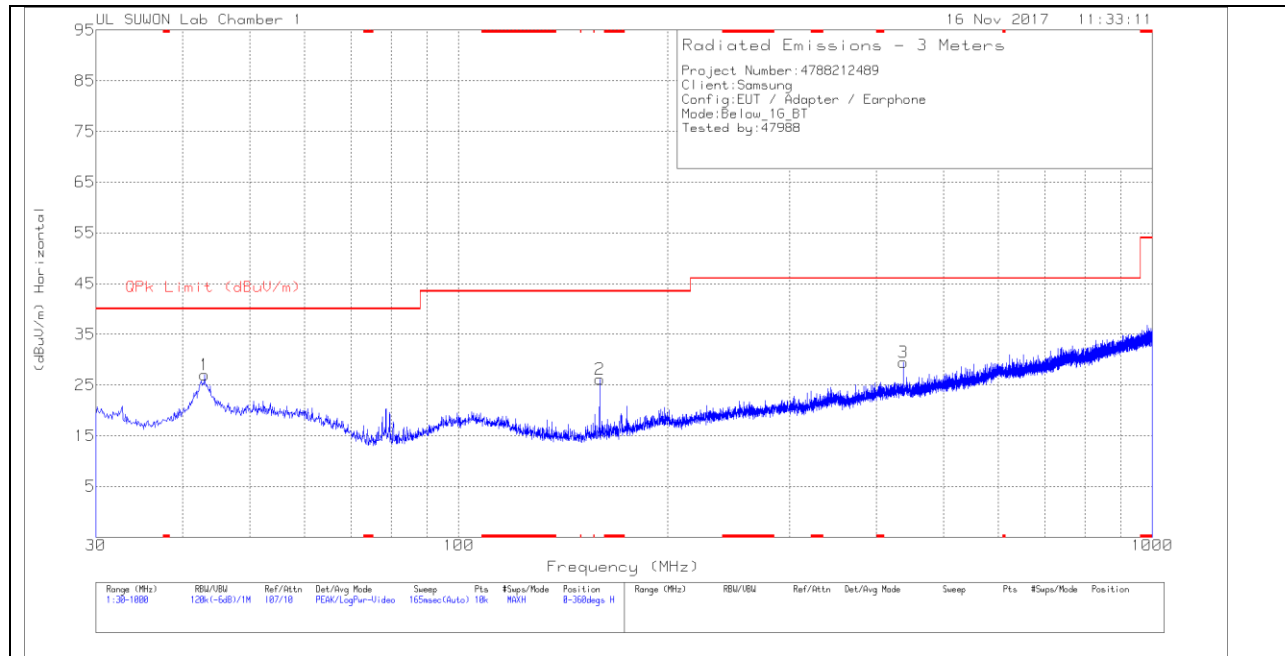
PK – Peak Detector

Note : Noise floor level.(Both stand-alone and equipped with protective case condition)

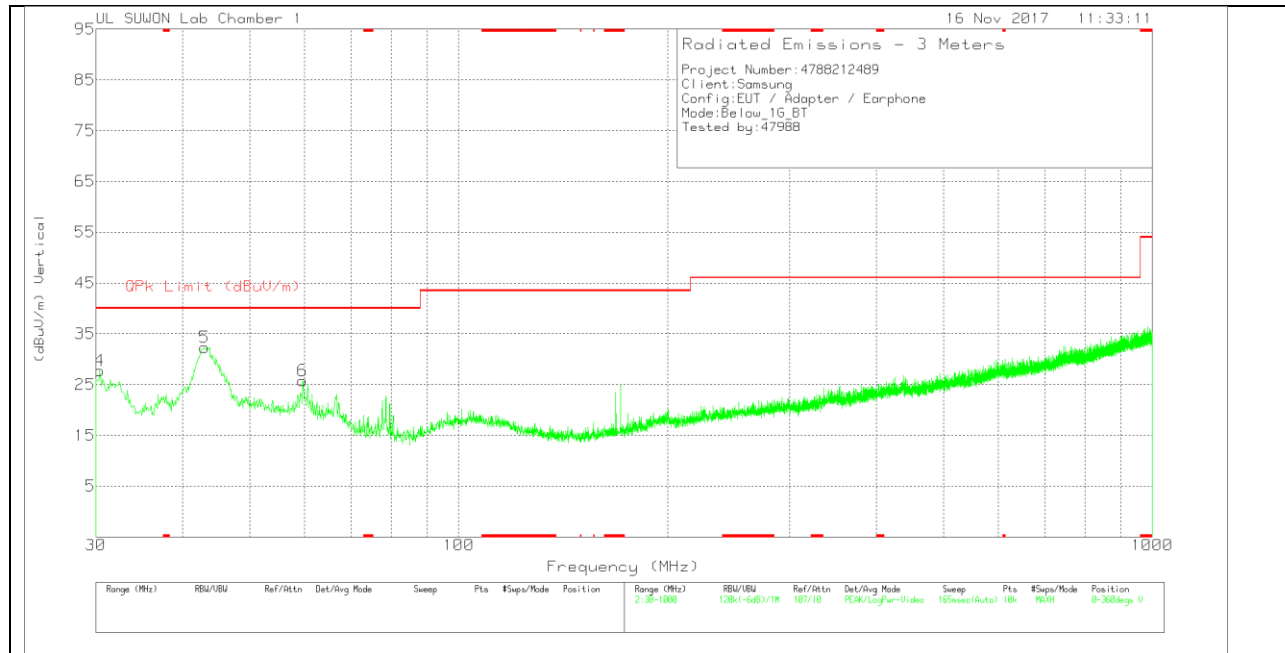
10.5. WORST-CASE BELOW 1 GHz

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

HORIZONTAL PLOT



VERTICAL PLOT



BELOW 1 GHz TABLE

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	750_20170831	30-1000MHz[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	42.998	37.05	Pk	19.3	-29.3	27.05	40	-12.95	0-360	300	H
2	159.689	39.49	Pk	14.4	-27.8	26.09	43.52	-17.43	0-360	200	H
3	437.594	33.53	Pk	22	-26	29.53	46.02	-16.49	0-360	200	H
4	30.388	41.41	Pk	16	-29.7	27.71	40	-12.29	0-360	100	V
5	42.998	42.33	Pk	19.3	-29.3	32.33	40	-7.67	0-360	100	V
6	59.585	36.37	Pk	18.5	-29.1	25.77	40	-14.23	0-360	100	V

Pk - Peak detector

Radiated Emissions

Frequency (MHz)	Meter Reading (dBuV)	Det	750_20170831	30-1000MHz[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
42.998	40.01	Qp	19.3	-29.3	30.01	40	-9.99	117	100	V

Qp - Quasi-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.

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.

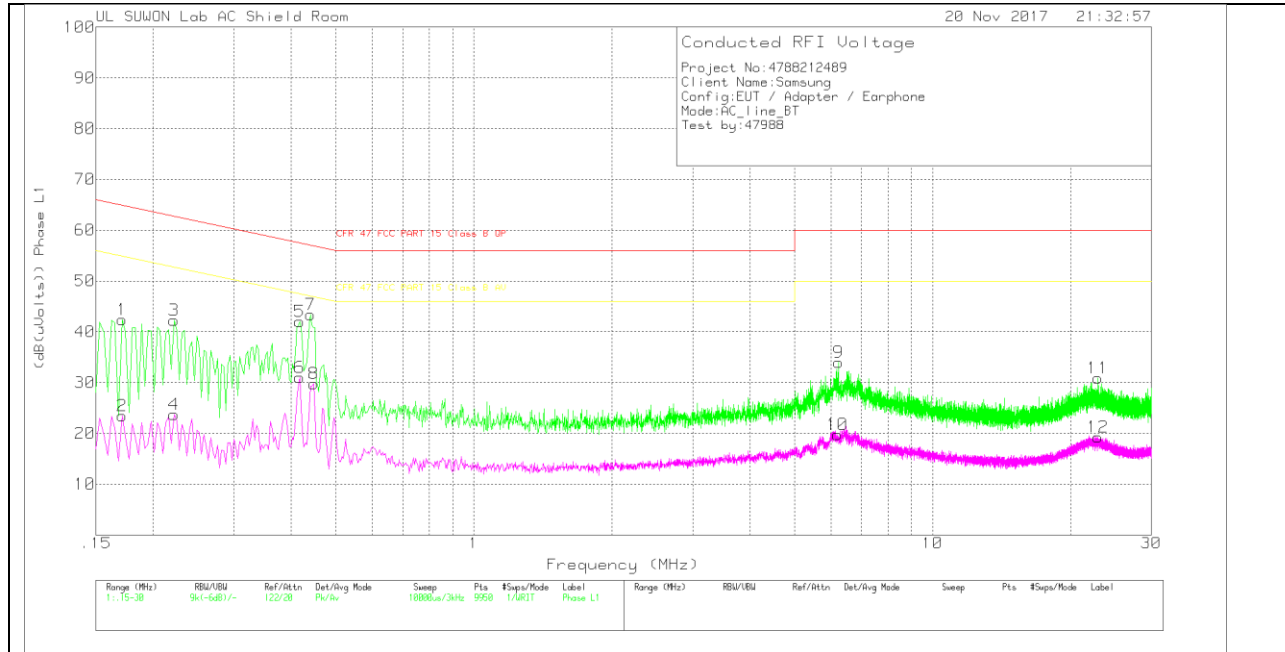
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

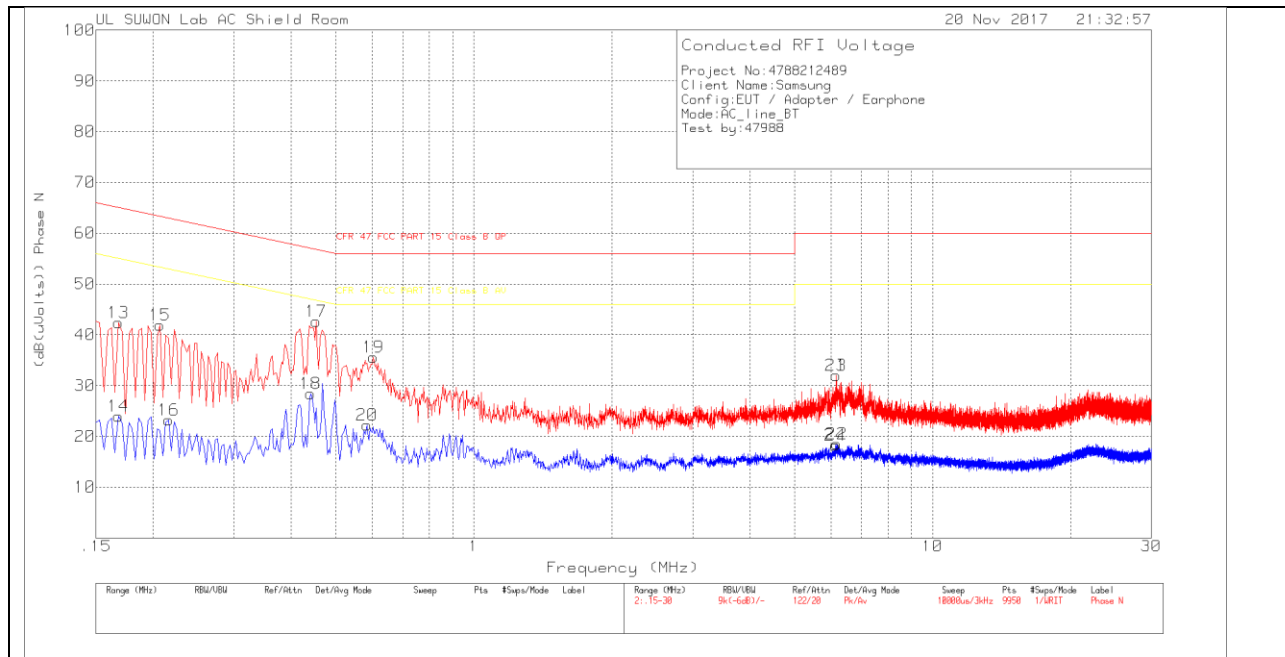
Range 1: Phase L1 .15 - 30MHz

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	.171	32.24	Pk	10	.2	42.44	64.91	-22.47	-	-
2	.171	13.32	Av	10	.2	23.52	-	-	54.91	-31.39
3	.222	32.32	Pk	9.7	.2	42.22	62.74	-20.52	-	-
4	.222	13.77	Av	9.7	.2	23.67	-	-	52.74	-29.07
5	.417	32.05	Pk	9.8	.2	42.05	57.51	-15.46	-	-
6	.417	21.01	Av	9.8	.2	31.01	-	-	47.51	-16.5
7	.441	33.49	Pk	9.7	.2	43.39	57.04	-13.65	-	-
8	.447	19.89	Av	9.7	.2	29.79	-	-	46.93	-17.14
9	6.234	23.95	Pk	9.7	.3	33.95	60	-26.05	-	-
10	6.201	9.72	Av	9.7	.3	19.72	-	-	50	-30.28
11	22.968	20.3	Pk	10.2	.4	30.9	60	-29.1	-	-
12	22.968	8.64	Av	10.2	.4	19.24	-	-	50	-30.76

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	.168	32.27	Pk	10	.1	42.37	65.06	-22.69	-	-
14	.168	13.87	Av	10	.1	23.97	-	-	55.06	-31.09
15	.207	31.89	Pk	9.8	.2	41.89	63.32	-21.43	-	-
16	.216	13.27	Av	9.8	.2	23.27	-	-	52.97	-29.7
17	.453	32.65	Pk	9.8	.2	42.65	56.82	-14.17	-	-
18	.441	18.41	Av	9.8	.2	28.41	-	-	47.04	-18.63
19	.603	25.65	Pk	9.7	.2	35.55	56	-20.45	-	-
20	.585	12.34	Av	9.7	.2	22.24	-	-	46	-23.76
21	6.171	21.87	Pk	9.8	.3	31.97	60	-28.03	-	-
22	6.174	8.41	Av	9.8	.3	18.51	-	-	50	-31.49
23	6.171	21.87	Pk	9.8	.3	31.97	60	-28.03	-	-
24	6.147	8.13	Av	9.8	.3	18.23	-	-	50	-31.77

Pk - Peak detector

Av - Average detection