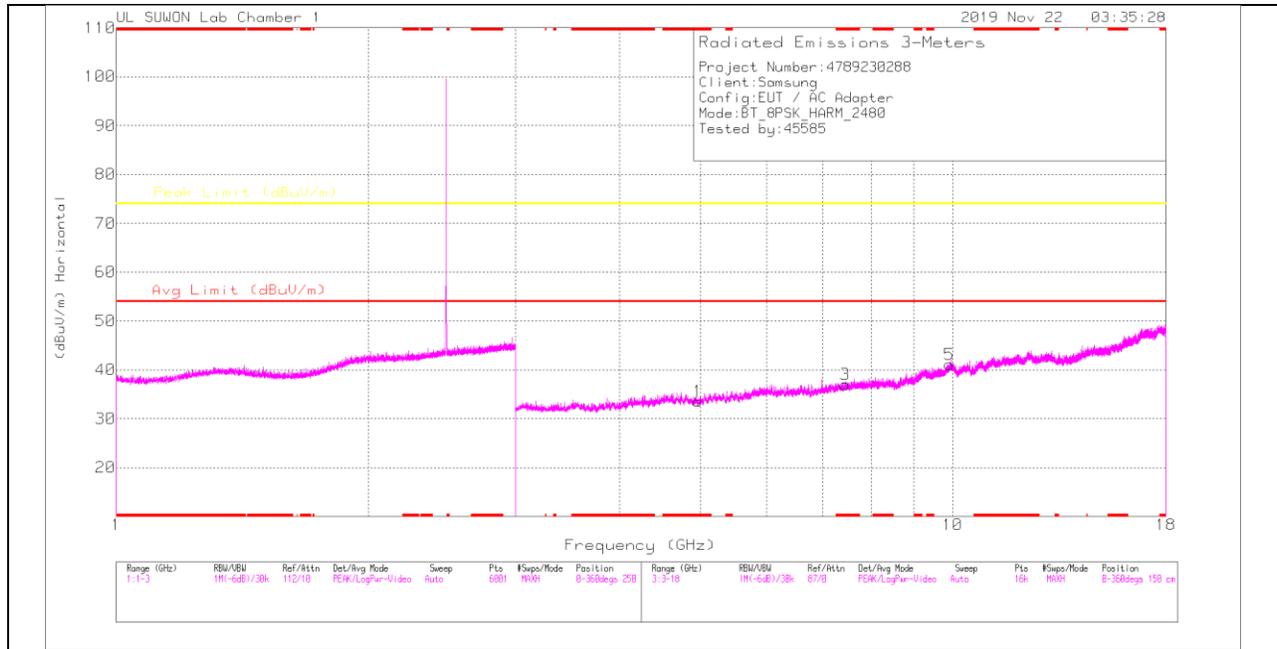
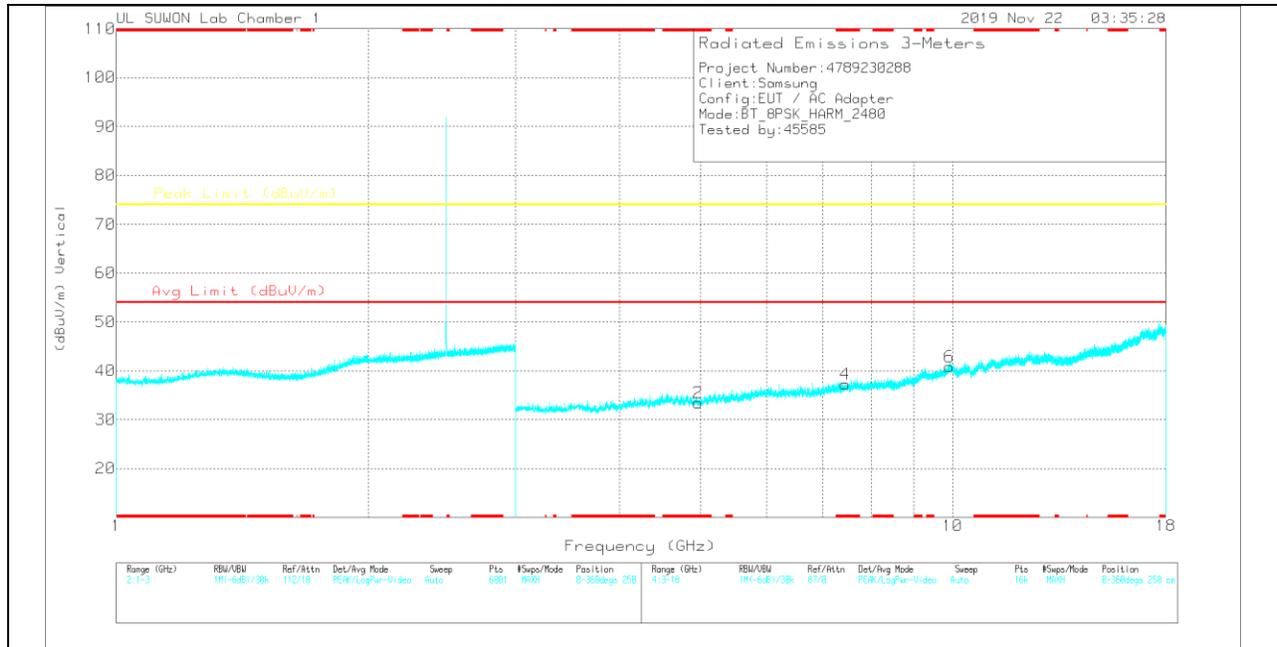


HIGH CHANNEL HORIZONTAL



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_00168717	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	* 4.96206	30.9	PK	34.2	-31.5	33.6	-	-	74	-40.4	0-360	250	H
3	* 7.43972	28.32	PK	35.8	-27.1	37.02	-	-	74	-36.98	0-360	250	H
5	9.91831	25.71	PK	37.5	-22.1	41.11	-	-	74	-32.89	0-360	150	H
2	* 4.96206	30.72	PK	34.2	-31.5	33.42	-	-	74	-40.58	0-360	250	V
4	* 7.43972	28.58	PK	35.8	-27.1	37.28	-	-	74	-36.72	0-360	150	V
6	9.91738	25.46	PK	37.5	-22.1	40.86	-	-	74	-33.14	0-360	150	V

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

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.96028	38.06	PKFH	34.2	-31.6	40.66	-	-	74	-33.34	360	100	H
* 4.96221	38.85	PKFH	34.2	-31.5	41.55	-	-	74	-32.45	360	100	V
* 7.43971	35.83	PKFH	35.8	-27.1	44.53	-	-	74	-29.47	360	100	H
* 7.43981	35.75	PKFH	35.8	-27.1	44.45	-	-	74	-29.55	360	100	V
9.9189	31.65	PKFH	37.5	-22.1	47.05	-	-	74	-26.95	360	100	H
9.9196	32.19	PKFH	37.5	-22	47.69	-	-	74	-26.31	360	100	V

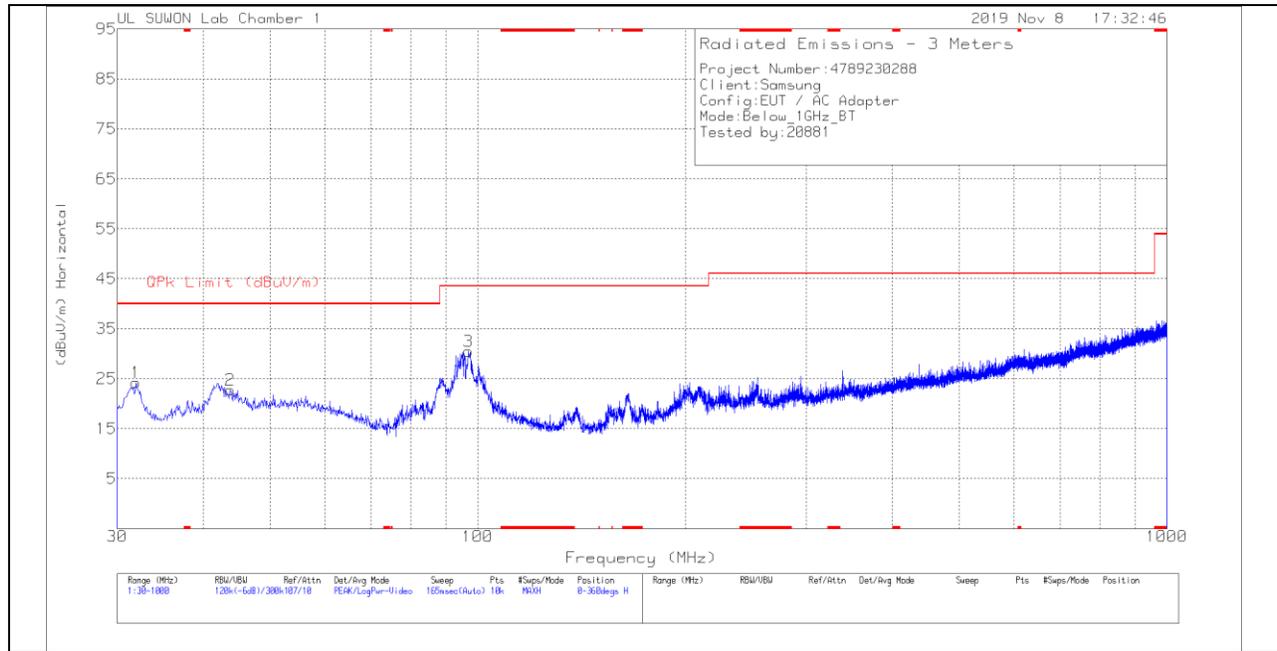
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak

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

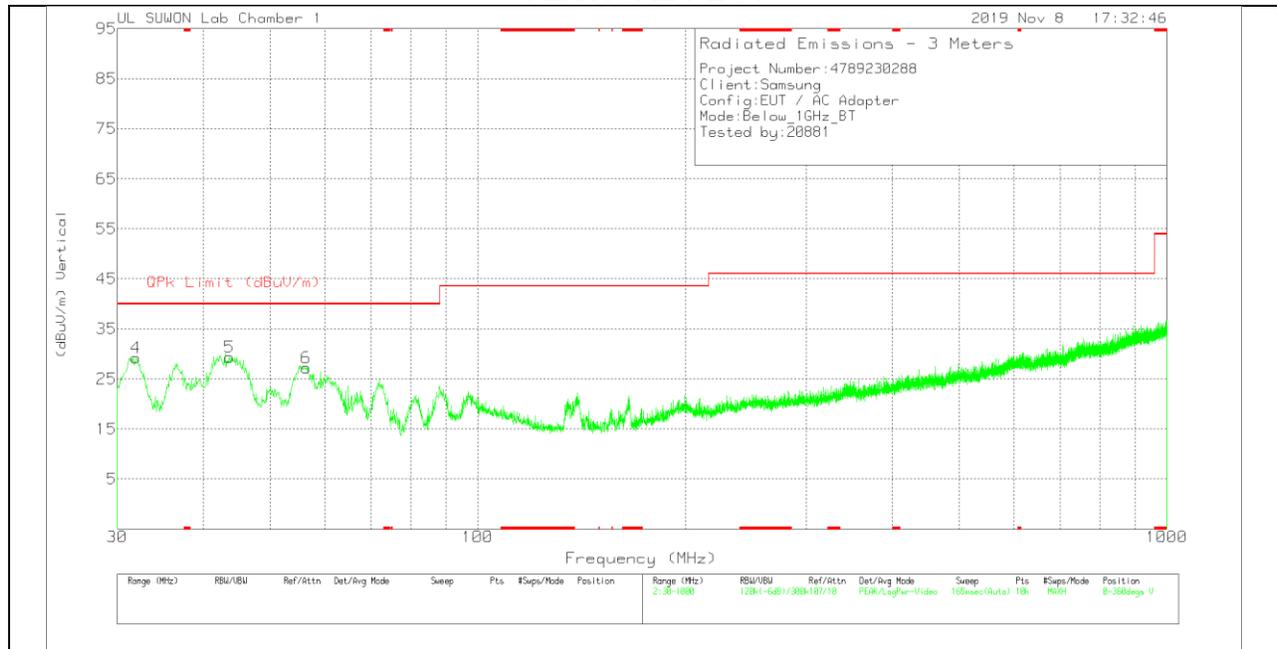
11.3. WORST-CASE BELOW 1 GHz

GFSK SPURIOUS EMISSIONS 30 TO 1000 MHz

HORIZONTAL PLOT



VERTICAL PLOT



BELOW 1 GHz TABLE

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	31.94	38.78	Pk	15.6	-30.1	24.28	40	-15.72	0-360	400	H
2	43.774	32.99	Pk	19.5	-29.7	22.79	40	-17.21	0-360	400	H
3	97.027	41.59	Pk	17.6	-28.7	30.49	43.52	-13.03	0-360	300	H
4	31.94	43.72	Pk	15.6	-30.1	29.22	40	-10.78	0-360	100	V
5	43.677	39.51	Pk	19.5	-29.7	29.31	40	-10.69	0-360	100	V
6	56.4325	37.47	Pk	19.1	-29.3	27.27	40	-12.73	0-360	100	V

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.

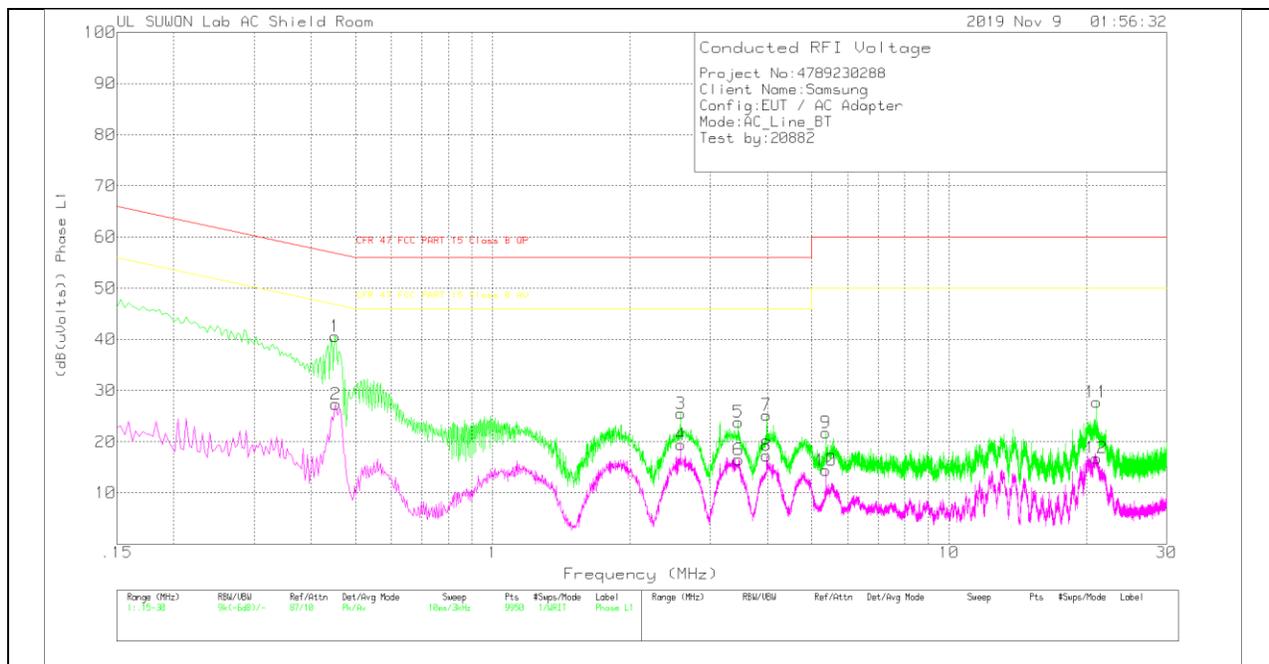
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

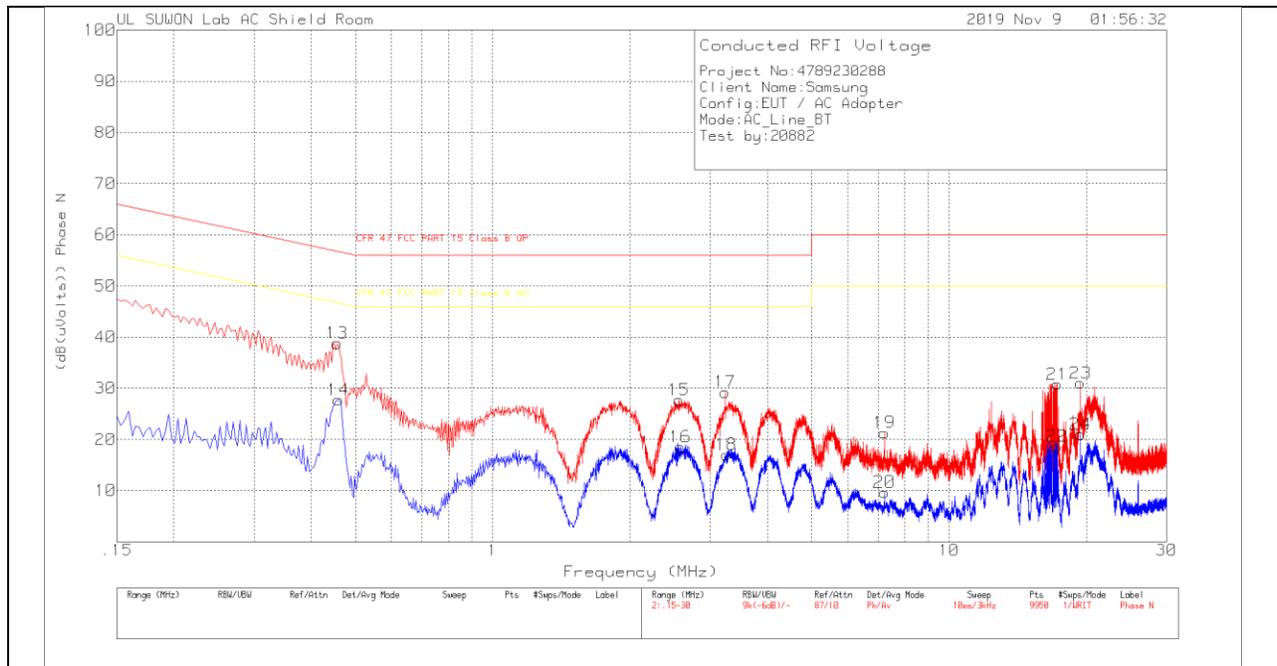
Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h Ex_L1[dB]	CABLELOS S(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	.4515	30.48	Pk	9.9	.2	40.58	56.85	-16.27	-	-
2	.453	17.23	Av	9.9	.2	27.33	-	-	46.82	-19.49
3	2.58	15.42	Pk	9.8	.3	25.52	56	-30.48	-	-
4	2.583	9.33	Av	9.8	.3	19.43	-	-	46	-26.57
5	3.453	13.76	Pk	9.8	.3	23.86	56	-32.14	-	-
6	3.459	6.4	Av	9.8	.3	16.5	-	-	46	-29.5
7	3.984	15.11	Pk	9.8	.3	25.21	56	-30.79	-	-
8	3.984	7.18	Av	9.8	.3	17.28	-	-	46	-28.72
9	5.373	11.67	Pk	9.8	.3	21.77	60	-38.23	-	-
10	5.373	4.31	Av	9.8	.3	14.41	-	-	50	-35.59
11	21.039	17.04	Pk	10.3	.4	27.74	60	-32.26	-	-
12	21.033	6.09	Av	10.3	.4	16.79	-	-	50	-33.21

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	101836_Wit h EX_N[dB]	CABLELOS S(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	.456	28.7	Pk	9.9	.2	38.8	56.77	-17.97	-	-
14	.459	17.62	Av	9.9	.2	27.72	-	-	46.71	-18.99
15	2.556	17.62	Pk	9.8	.3	27.72	56	-28.28	-	-
16	2.577	8.41	Av	9.8	.3	18.51	-	-	46	-27.49
17	3.231	19.16	Pk	9.8	.3	29.26	56	-26.74	-	-
18	3.249	6.9	Av	9.8	.3	17	-	-	46	-29
19	7.215	11.1	Pk	9.9	.3	21.3	60	-38.7	-	-
20	7.218	-.55	Av	9.9	.3	9.65	-	-	50	-40.35
21	17.271	20.17	Pk	10.2	.4	30.77	60	-29.23	-	-
22	17.274	8.02	Av	10.2	.4	18.62	-	-	50	-31.38
23	19.425	20.33	Pk	10.3	.4	31.03	60	-28.97	-	-
24	19.425	10.27	Av	10.3	.4	20.97	-	-	50	-29.03

Pk - Peak detector
 Av - Average detection

END OF REPORT