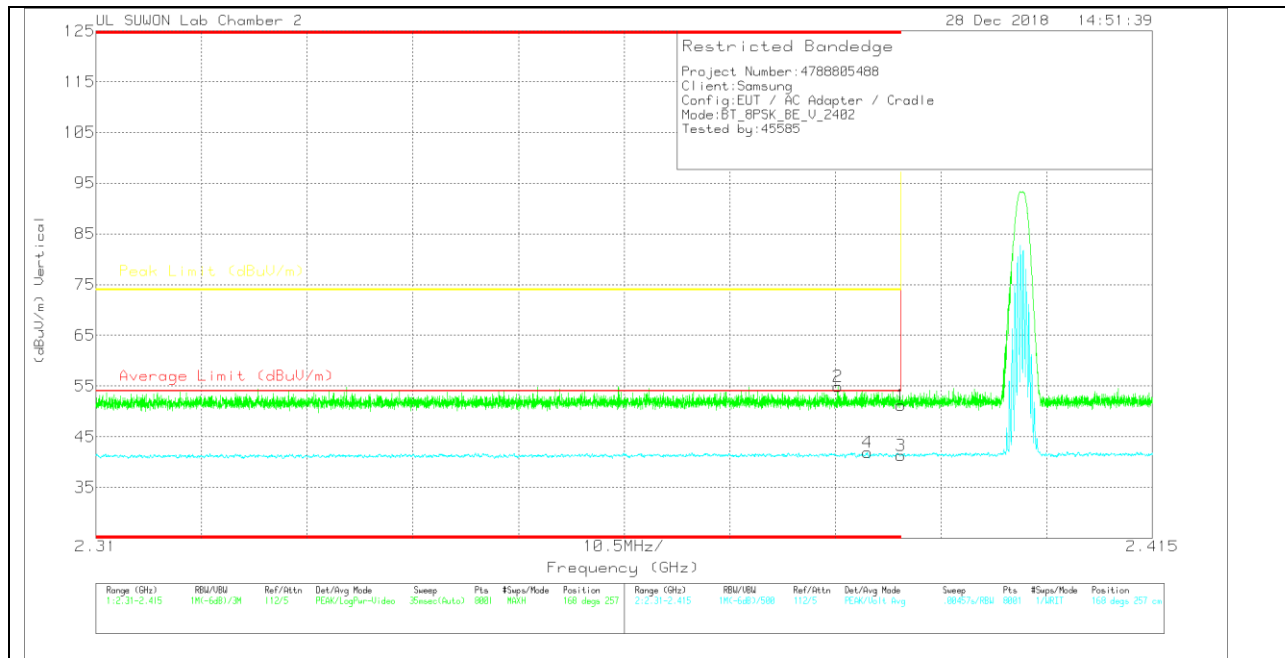


VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.44	Pk	31.6	-20.8	51.24	-	-	74	-22.76	168	257	V
2	* 2.384	44.11	Pk	31.6	-20.8	54.91	-	-	74	-19.09	168	257	V
3	* 2.39	30.53	VA1T	31.6	-20.8	41.33	54	-12.67	-	-	168	257	V
4	* 2.387	31.13	VA1T	31.6	-20.8	41.93	54	-12.07	-	-	168	257	V

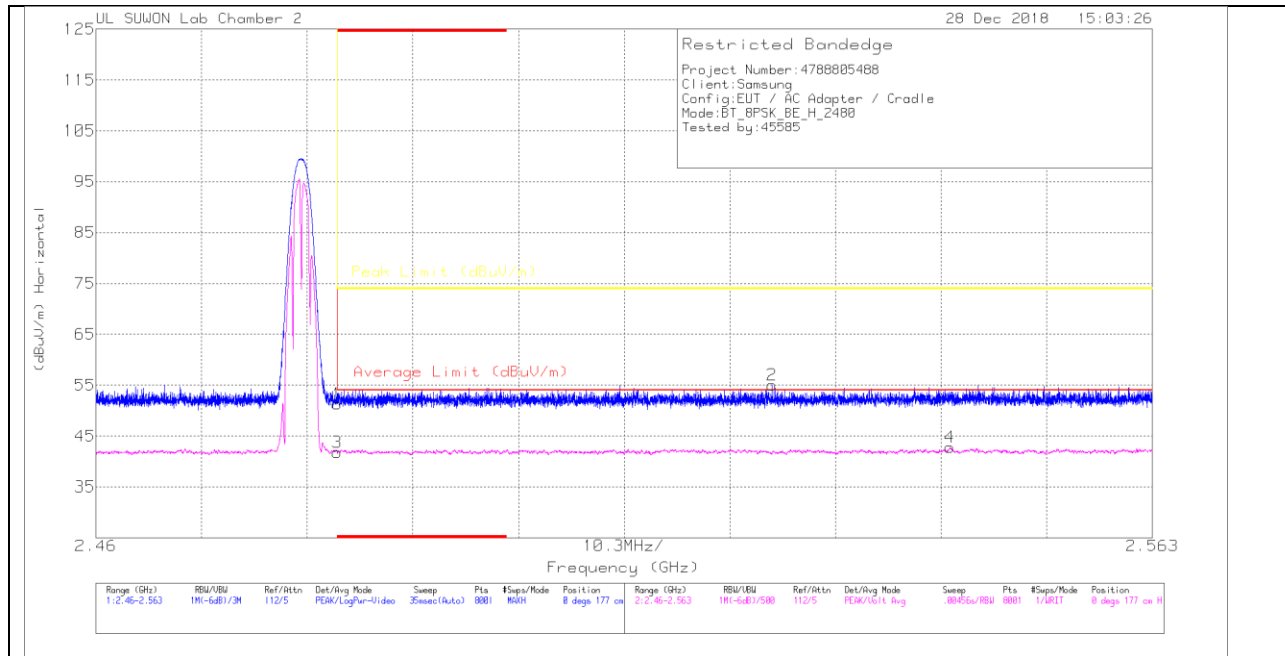
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

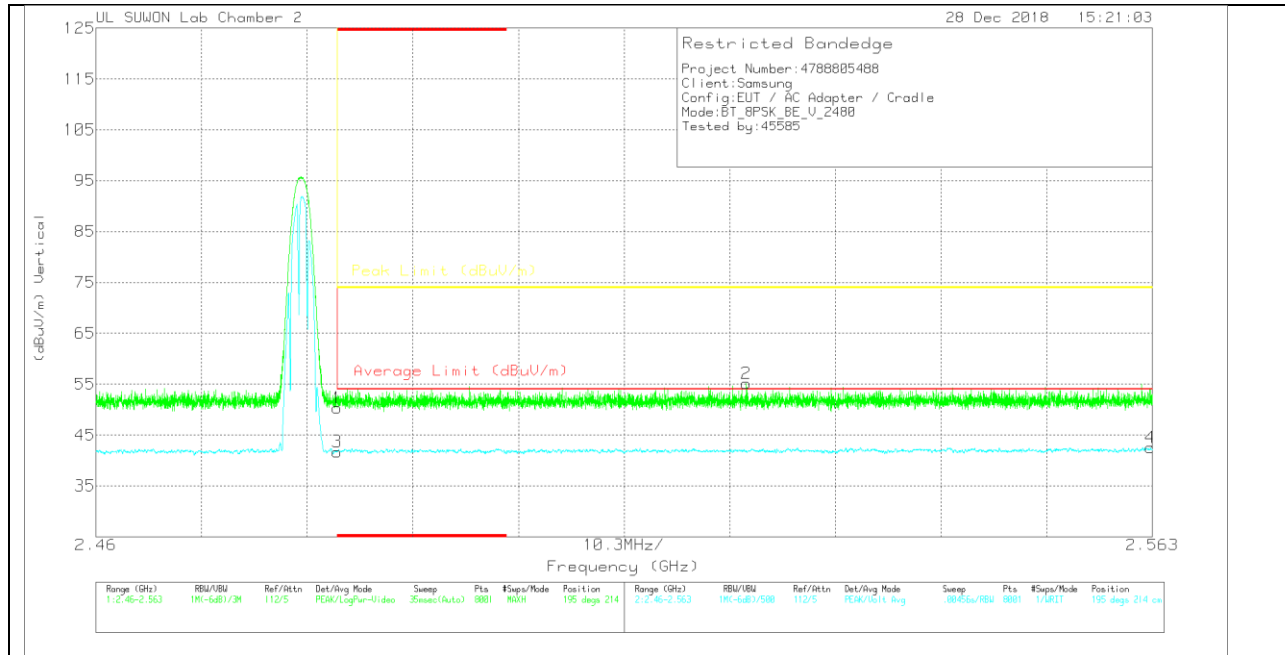
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.99	Pk	31.9	-20.6	51.29	-	-	74	-22.71	0	177	H
2	2.526	43.75	Pk	31.9	-20.6	55.05	-	-	74	-18.95	0	177	H
3	* 2.484	30.54	VA1T	31.9	-20.6	41.84	54	-12.16	-	-	0	177	H
4	2.543	31.34	VA1T	32	-20.6	42.74	54	-11.26	-	-	0	177	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.98	Pk	31.9	-20.6	50.28	-	-	74	-23.72	195	214	V
2	2.523	43.78	Pk	31.9	-20.5	55.18	-	-	74	-18.82	195	214	V
3	* 2.484	30.43	VA1T	31.9	-20.6	41.73	54	-12.27	-	-	195	214	V
4	2.563	30.89	VA1T	32	-20.4	42.49	54	-11.51	-	-	195	214	V

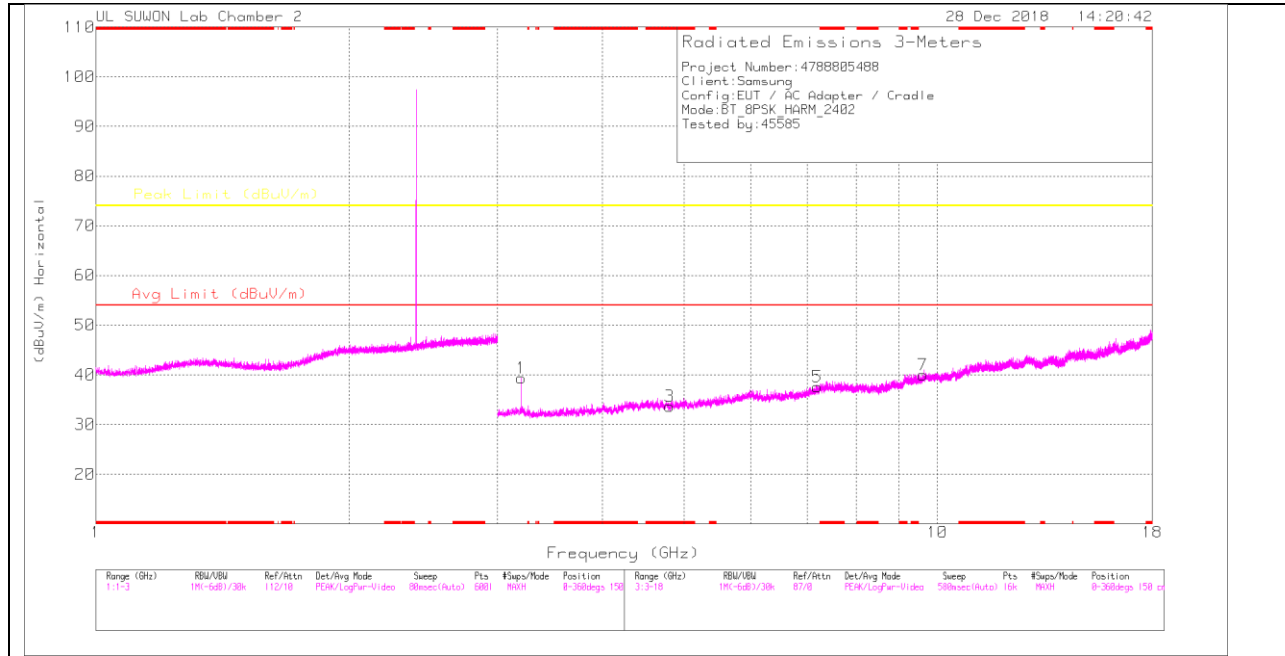
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

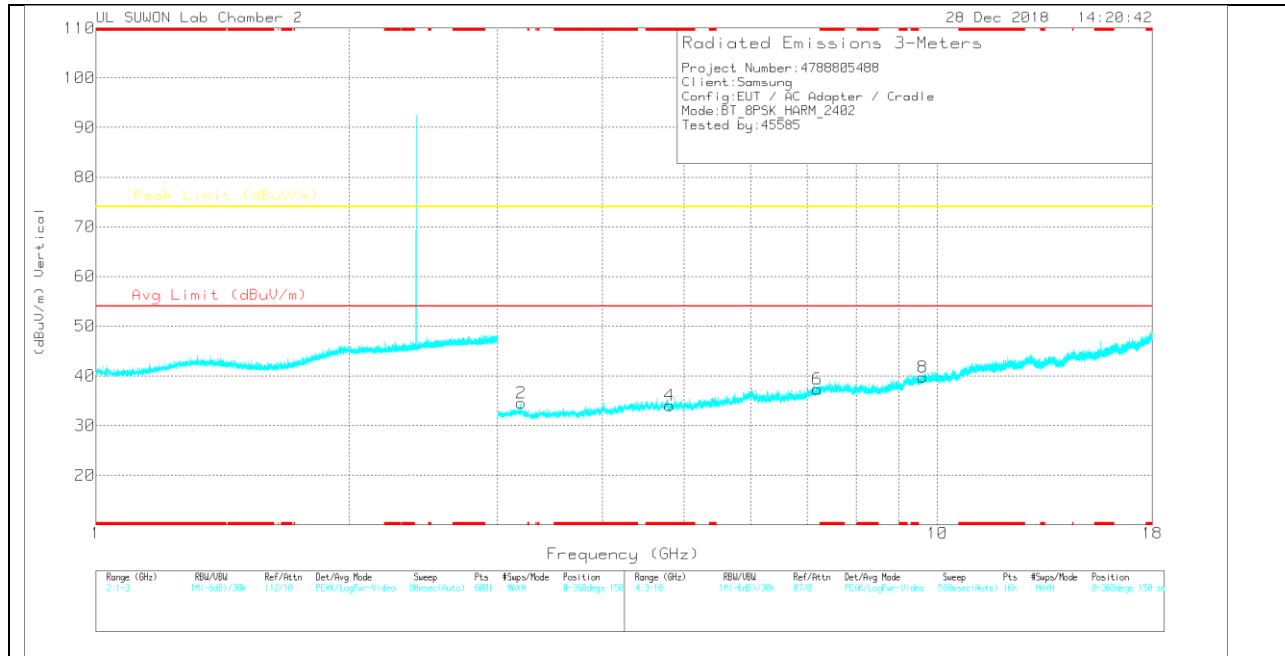
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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.

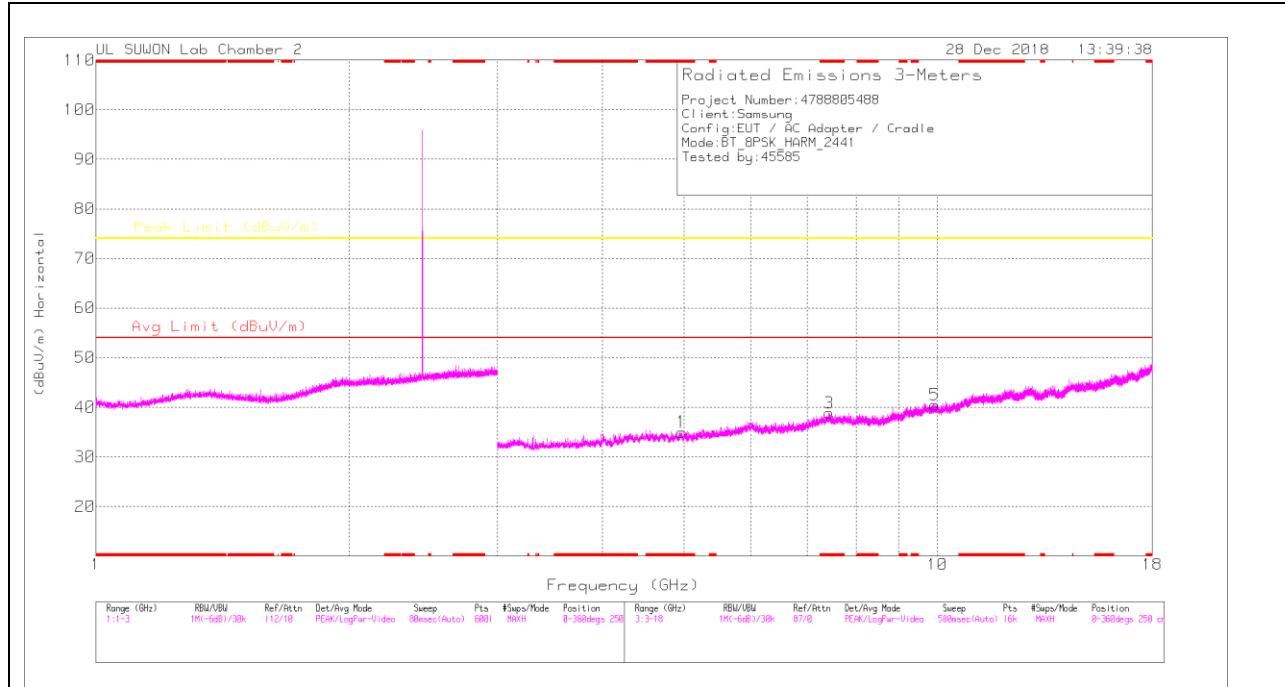
LOW CHANNEL DATA

Trace Markers

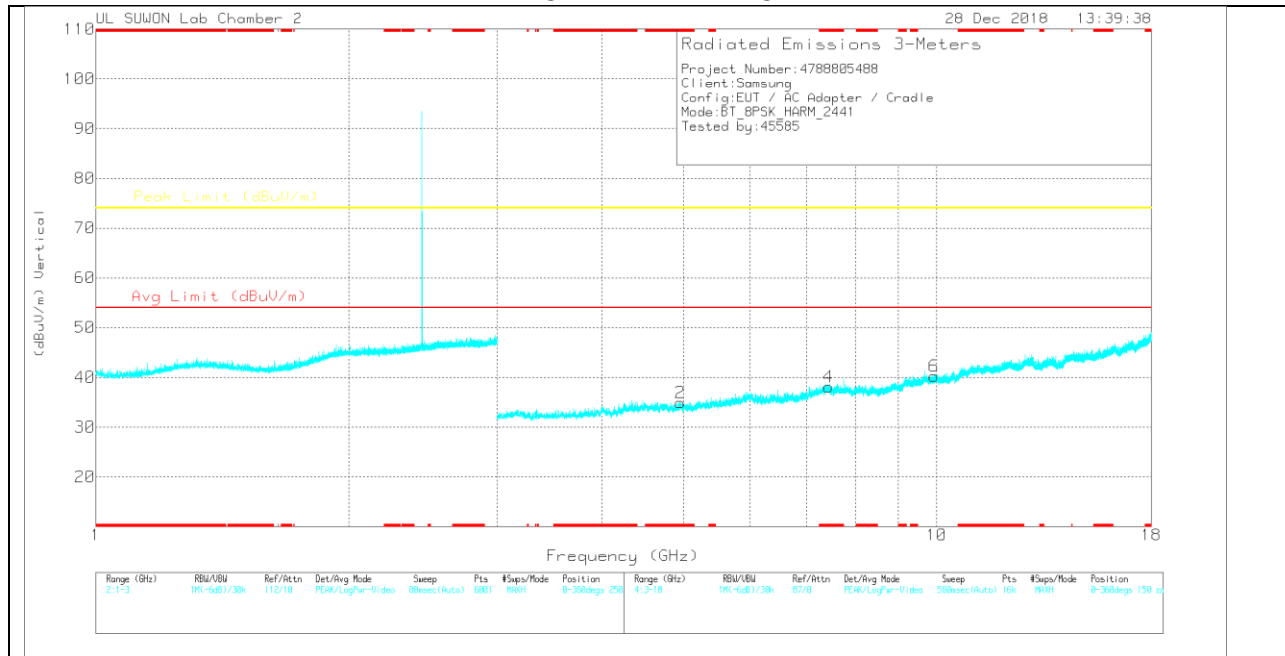
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.202	34.76	PK	32.9	-28.3	39.36	-	-	74	-34.64	0-360	250	H
3	* 4.807	27.7	PK	34	-28	33.7	-	-	74	-40.3	0-360	150	H
5	7.198	26.83	PK	36.1	-25.3	37.63	-	-	74	-36.37	0-360	250	H
7	9.615	24.87	PK	37	-21.9	39.97	-	-	74	-34.03	0-360	150	H
2	3.202	29.95	PK	32.9	-28.3	34.55	-	-	74	-39.45	0-360	150	V
4	* 4.806	28.05	PK	34	-28	34.05	-	-	74	-39.95	0-360	150	V
6	7.198	26.55	PK	36.1	-25.3	37.35	-	-	74	-36.65	0-360	250	V
8	9.612	24.51	PK	37	-21.8	39.71	-	-	74	-34.29	0-360	150	V

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

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.

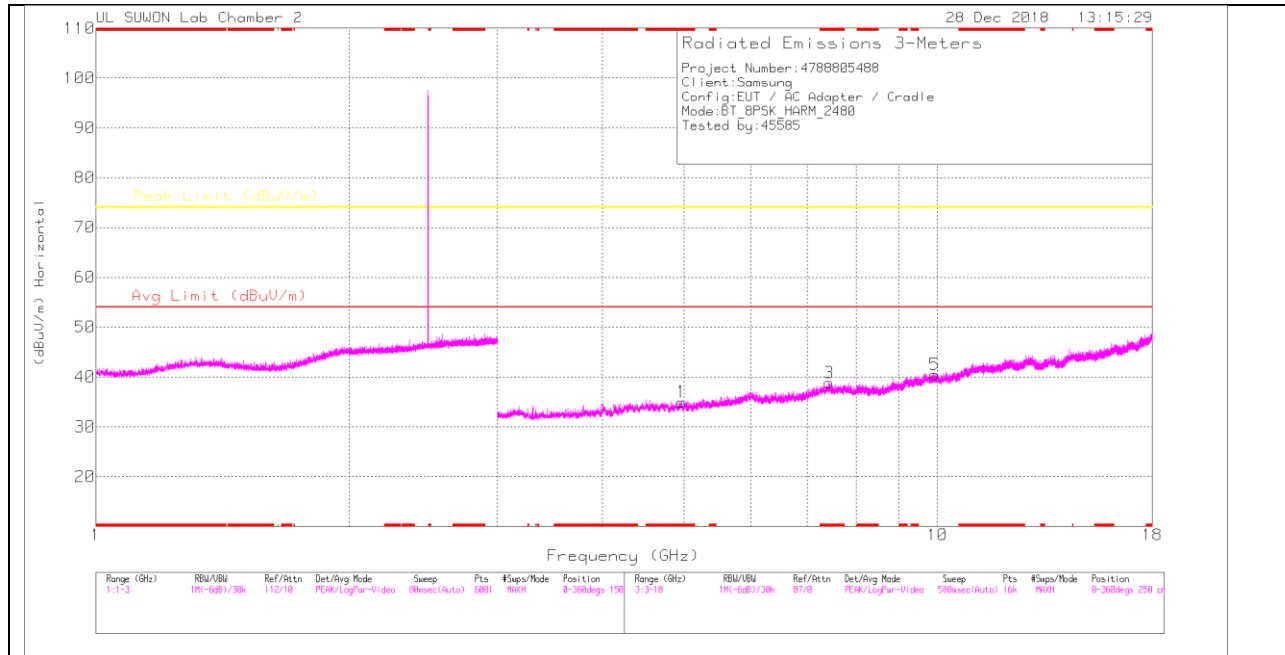
MID CHANNEL DATA

Trace Markers

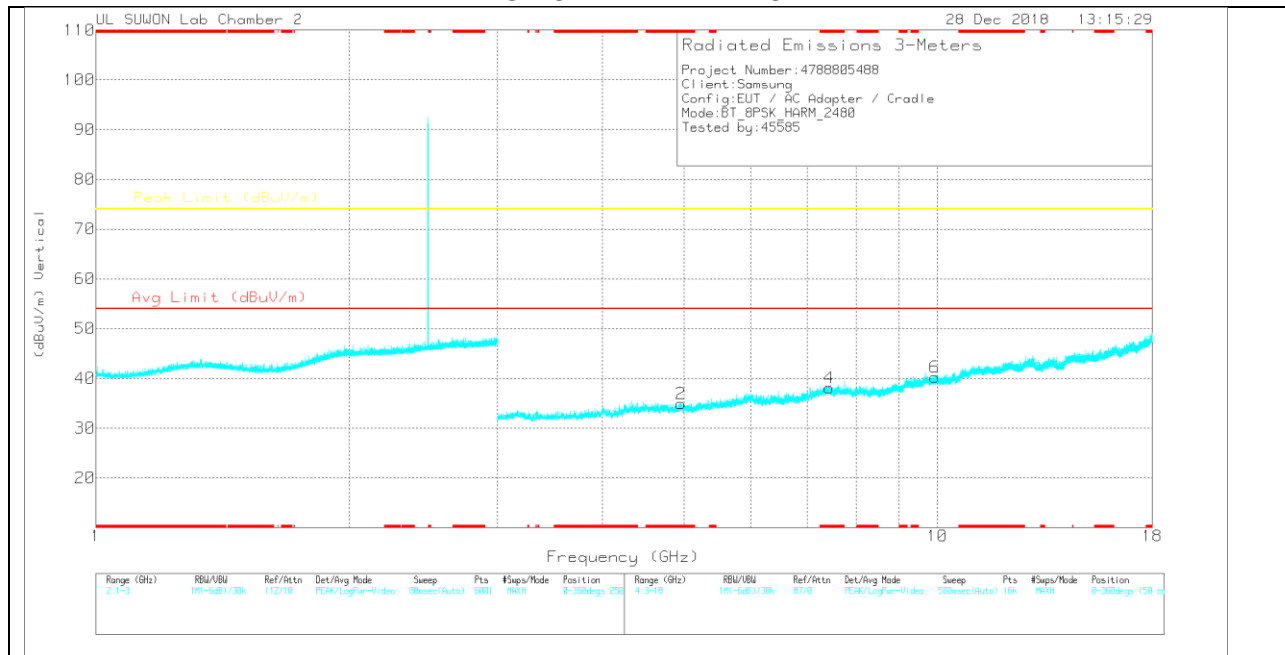
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.963	27.89	PK	34.1	-27	34.99	-	-	74	-39.01	0-360	250	H
3	* 7.44	26.69	PK	36.2	-24	38.89	-	-	74	-35.11	0-360	250	H
5	9.927	23.96	PK	37.4	-20.9	40.46	-	-	74	-33.54	0-360	250	H
2	* 4.957	27.77	PK	34.1	-27	34.87	-	-	74	-39.13	0-360	150	V
4	* 7.441	25.93	PK	36.2	-24.1	38.03	-	-	74	-35.97	0-360	250	V
6	9.93	23.77	PK	37.4	-20.9	40.27	-	-	74	-33.73	0-360	150	V

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

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

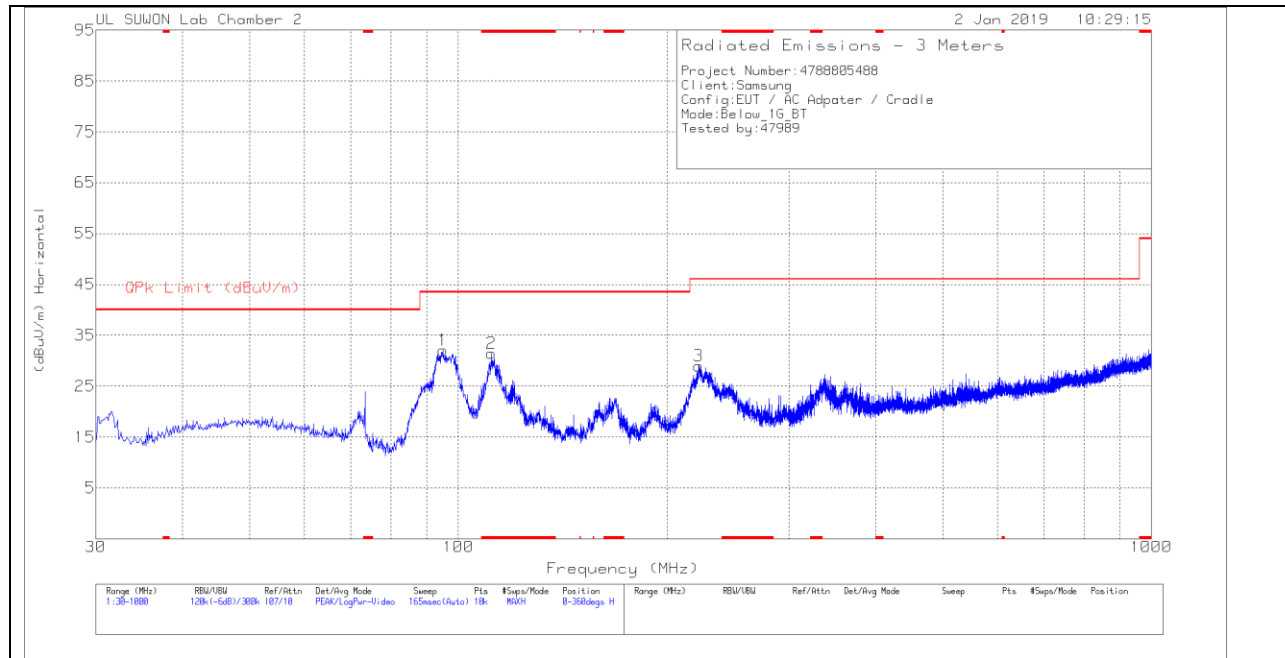
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.963	27.89	PK	34.1	-27	34.99	-	-	74	-39.01	0-360	250	H
3	* 7.44	26.69	PK	36.2	-24	38.89	-	-	74	-35.11	0-360	250	H
5	9.927	23.96	PK	37.4	-20.9	40.46	-	-	74	-33.54	0-360	250	H
2	* 4.957	27.77	PK	34.1	-27	34.87	-	-	74	-39.13	0-360	150	V
4	* 7.441	25.93	PK	36.2	-24.1	38.03	-	-	74	-35.97	0-360	250	V
6	9.93	23.77	PK	37.4	-20.9	40.27	-	-	74	-33.73	0-360	150	V

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

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_749	Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	95.087	46.32	Pk	17.2	-31.5	32.02	43.52	-11.5	0-360	300	H
2	* 111.577	45.92	Pk	16.8	-31.3	31.42	43.52	-12.1	0-360	300	H
3	222.351	42.13	Pk	17.6	-30.8	28.93	46.02	-17.09	0-360	100	H
4	53.183	38.02	Pk	19.5	-31.8	25.72	40	-14.28	0-360	100	V
5	99.937	44.03	Pk	17.7	-31.4	30.33	43.52	-13.19	0-360	100	V
6	* 120.307	42.35	Pk	15.3	-31.3	26.35	43.52	-17.17	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.

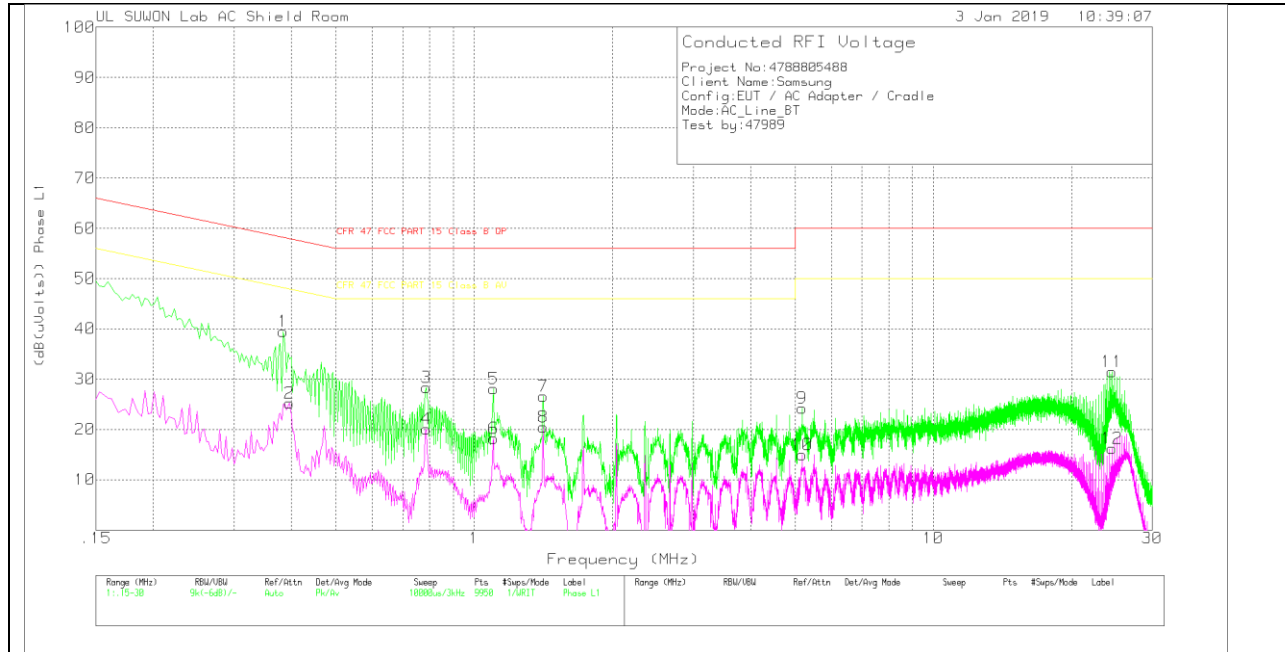
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

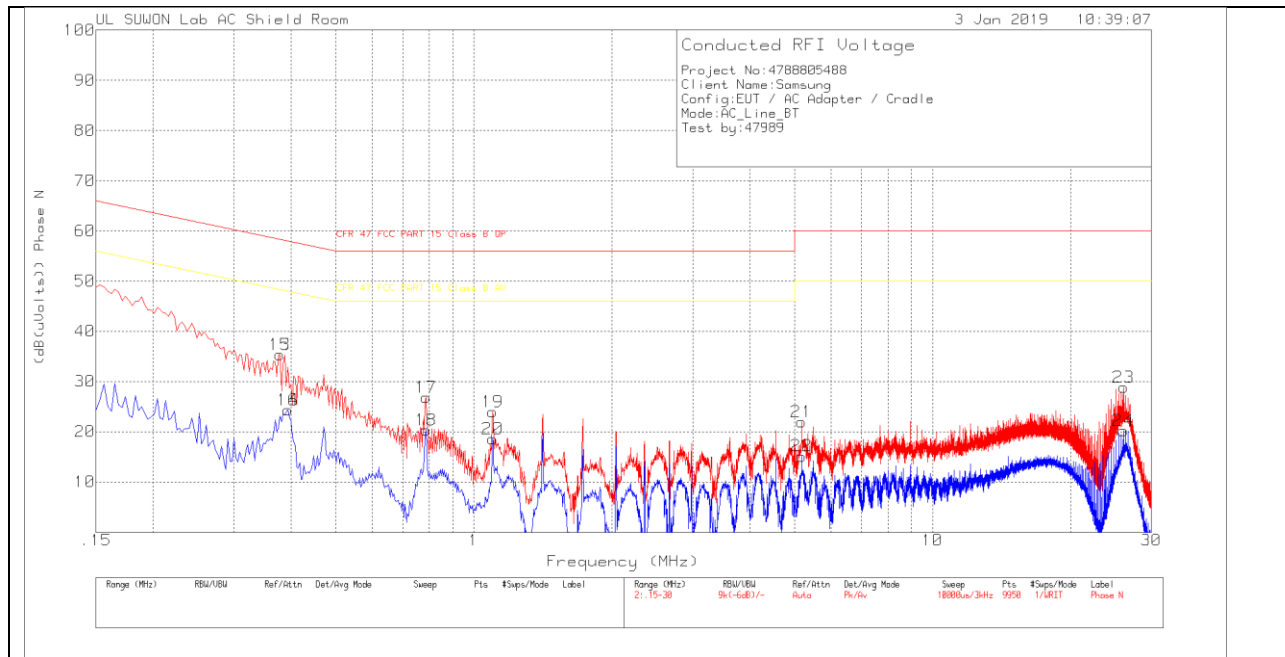
Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ENV216_10183 6_With ex-cord_L1	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	.384	29.38	Pk	9.9	.2	39.48	58.19	-18.71	-	-
2	.396	15.11	Av	9.9	.2	25.21	-	-	47.94	-22.73
3	.786	18.2	Pk	9.9	.2	28.3	56	-27.7	-	-
4	.786	9.99	Av	9.9	.2	20.09	-	-	46	-25.91
5	1.101	17.97	Pk	9.8	.3	28.07	56	-27.93	-	-
6	1.101	8.09	Av	9.8	.3	18.19	-	-	46	-27.81
7	1.416	16.54	Pk	9.8	.3	26.64	56	-29.36	-	-
8	1.413	10.38	Av	9.8	.3	20.48	-	-	46	-25.52
9	5.184	14.09	Pk	9.8	.3	24.19	60	-35.81	-	-
10	5.181	4.85	Av	9.8	.3	14.95	-	-	50	-35.05
11	24.492	20.49	Pk	10.6	.4	31.49	60	-28.51	-	-
12	24.495	5.16	Av	10.6	.4	16.16	-	-	50	-33.84

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	ENV216_10183 6_With ex-cord_N	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	.378	25.77	Pk	9.4	.2	35.37	58.32	-22.95	-	-
14	.393	15.02	Av	9.1	.2	24.32	-	-	48	-23.68
15	.378	25.77	Pk	9.4	.2	35.37	58.32	-22.95	-	-
16	.393	15.02	Av	9.1	.2	24.32	-	-	48	-23.68
17	.786	16.86	Pk	9.8	.2	26.86	56	-29.14	-	-
18	.786	10.3	Av	9.8	.2	20.3	-	-	46	-25.7
19	1.098	13.88	Pk	9.8	.3	23.98	56	-32.02	-	-
20	1.098	8.45	Av	9.8	.3	18.55	-	-	46	-27.45
21	5.181	11.81	Pk	9.8	.3	21.91	60	-38.09	-	-
22	5.181	5.05	Av	9.8	.3	15.15	-	-	50	-34.85
23	26.064	17.72	Pk	10.8	.3	28.82	60	-31.18	-	-
24	26.061	9.13	Av	10.8	.3	20.23	-	-	50	-29.77

Pk - Peak detector

Av - Average detection