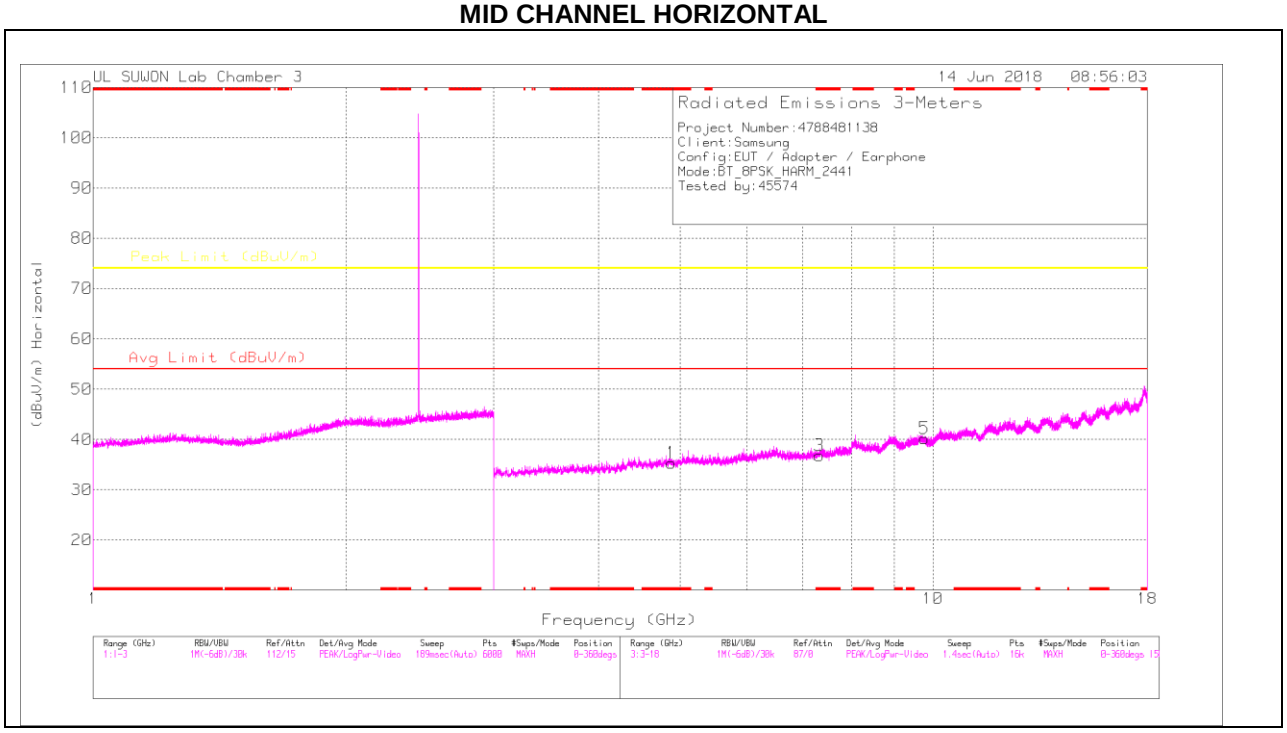
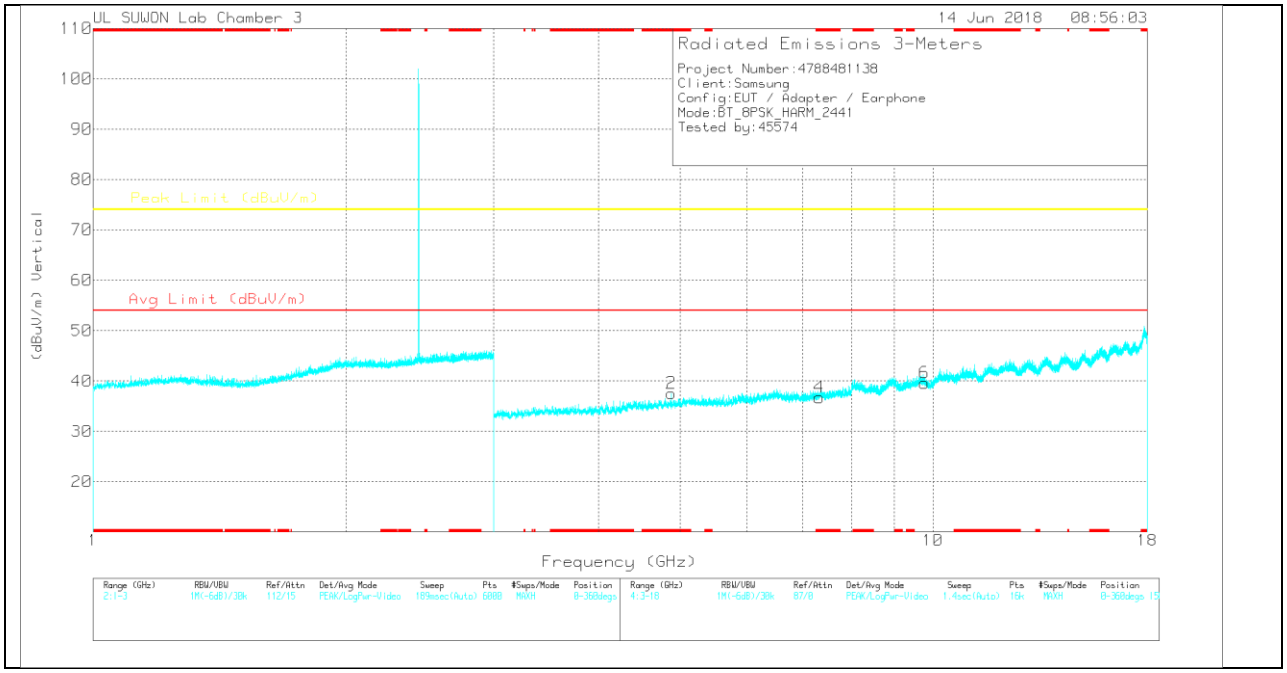
MID CHANNEL HORIZONTAL



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[00205959]	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	30.23	PK	34	-28.9	35.33	-	-	74	-38.67	0-360	250	H
3	* 7.323	24.61	PK	35.6	-23.4	36.81	-	-	74	-37.19	0-360	250	H
5	9.764	22.79	PK	36.9	-19.5	40.19	-	-	74	-33.81	0-360	150	H
2	* 4.882	32.48	PK	34	-28.9	37.58	-	-	74	-36.42	0-360	250	V
4	* 7.323	24.53	PK	35.6	-23.4	36.73	-	-	74	-37.27	0-360	150	V
6	9.764	22.21	PK	36.9	-19.5	39.61	-	-	74	-34.39	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).

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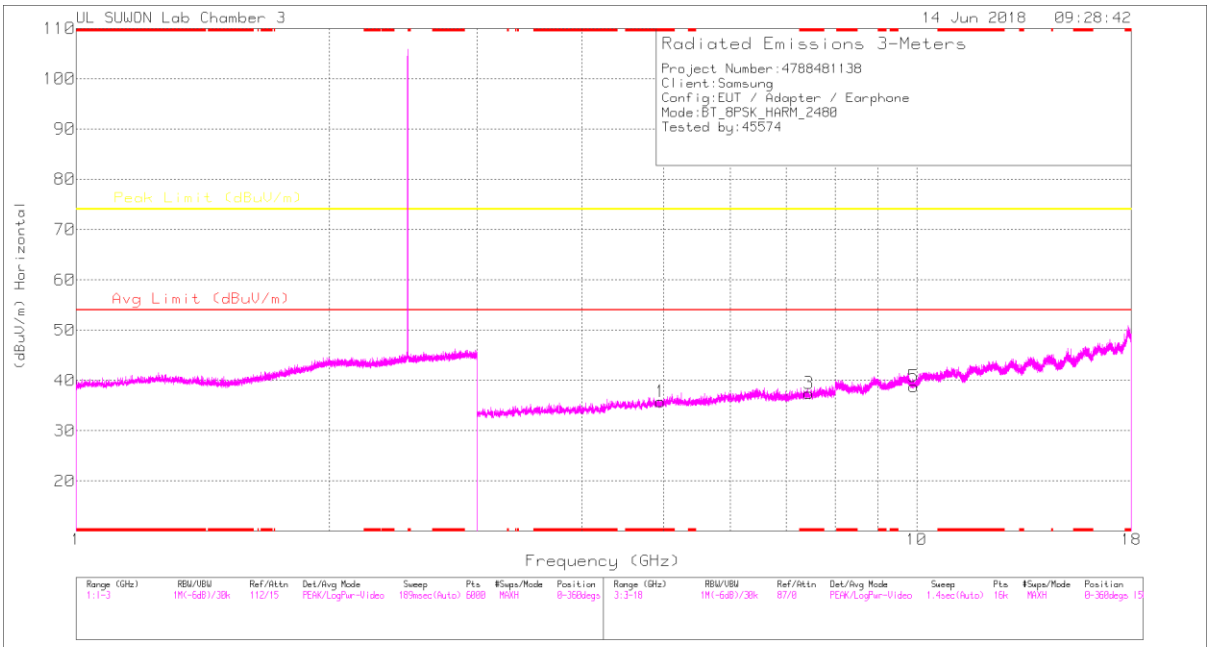
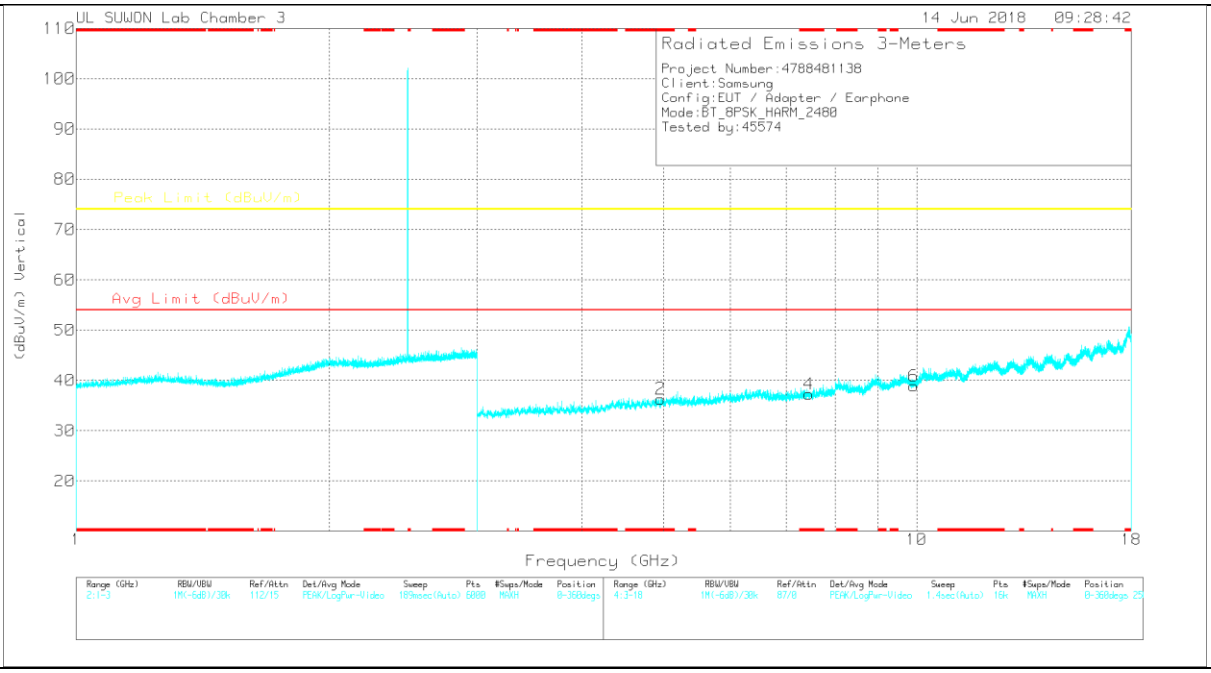
HIGH CHANNEL HORIZONTAL



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[00205959]	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	* 4.959	30.2	PK	34.1	-28.5	35.8	-	-	74	-38.2	0-360	150	H
3	* 7.44	25.05	PK	35.6	-23.2	37.45	-	-	74	-36.55	0-360	150	H
5	9.921	21.52	PK	37	-19.7	38.82	-	-	74	-35.18	0-360	150	H
2	* 4.96	30.72	PK	34.1	-28.5	36.32	-	-	74	-37.68	0-360	250	V
4	* 7.441	24.88	PK	35.6	-23.2	37.28	-	-	74	-36.72	0-360	250	V
6	9.921	21.61	PK	37	-19.7	38.91	-	-	74	-35.09	0-360	149	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).

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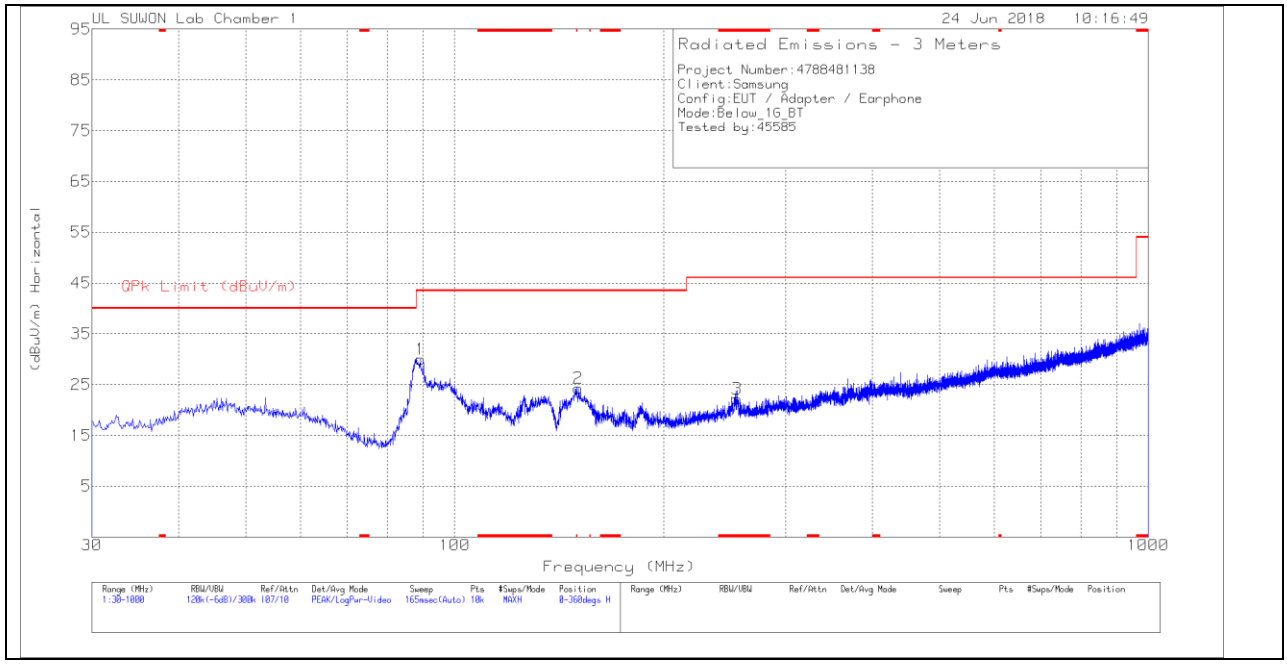
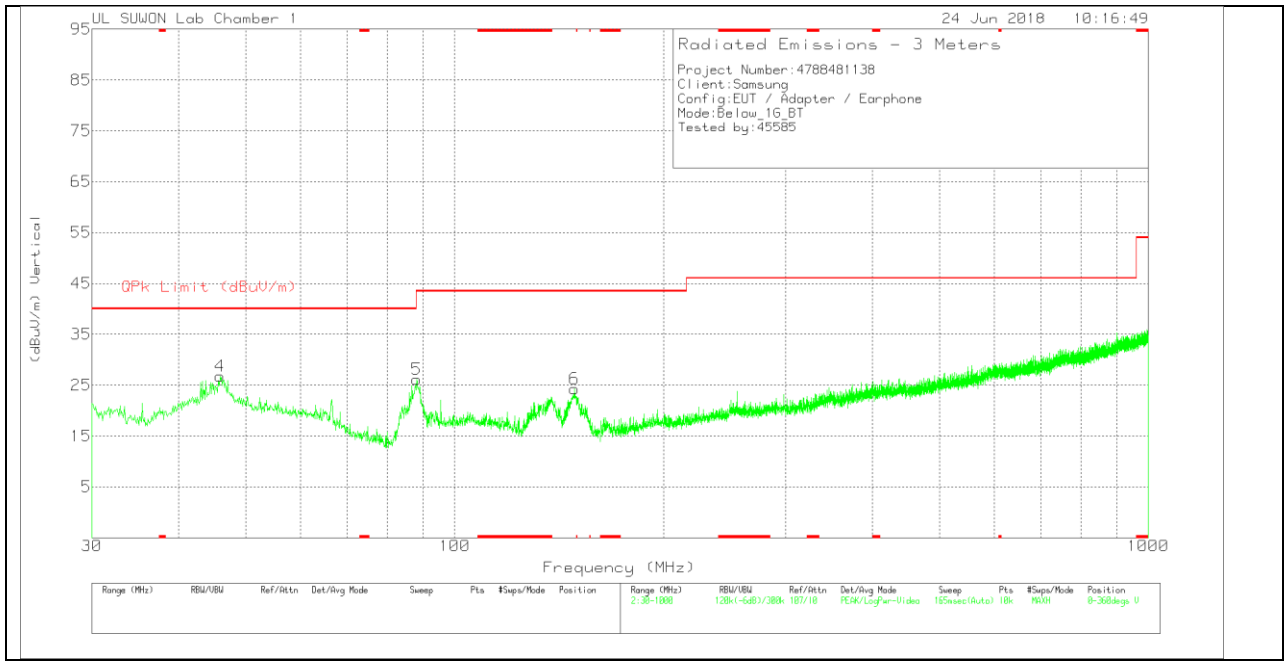
11.3. WORST-CASE BELOW 1 GHz

GFSK SPURIOUS EMISSIONS 30 TO 1000 MHz

HORIZONTAL PLOT



VERTICAL PLOT



BELOW 1 GHz TABLE

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	750_20170831	30-1000MHz[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	89.267	43.16	Pk	15.3	-28.5	29.96	43.52	-13.56	0-360	400	H
2	150.765	38.42	Pk	13.8	-27.9	24.32	43.52	-19.2	0-360	300	H
3	* 255.234	30.93	Pk	18.4	-27.2	22.13	46.02	-23.89	0-360	100	H
4	45.908	36.38	Pk	19.7	-29.3	26.78	40	-13.22	0-360	100	V
5	88.2	39.88	Pk	15	-28.7	26.18	43.52	-17.34	0-360	100	V
6	148.922	38.54	Pk	13.7	-27.9	24.34	43.52	-19.18	0-360	100	V

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

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12. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)
IC RSS-GEN Clause 8.8

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.

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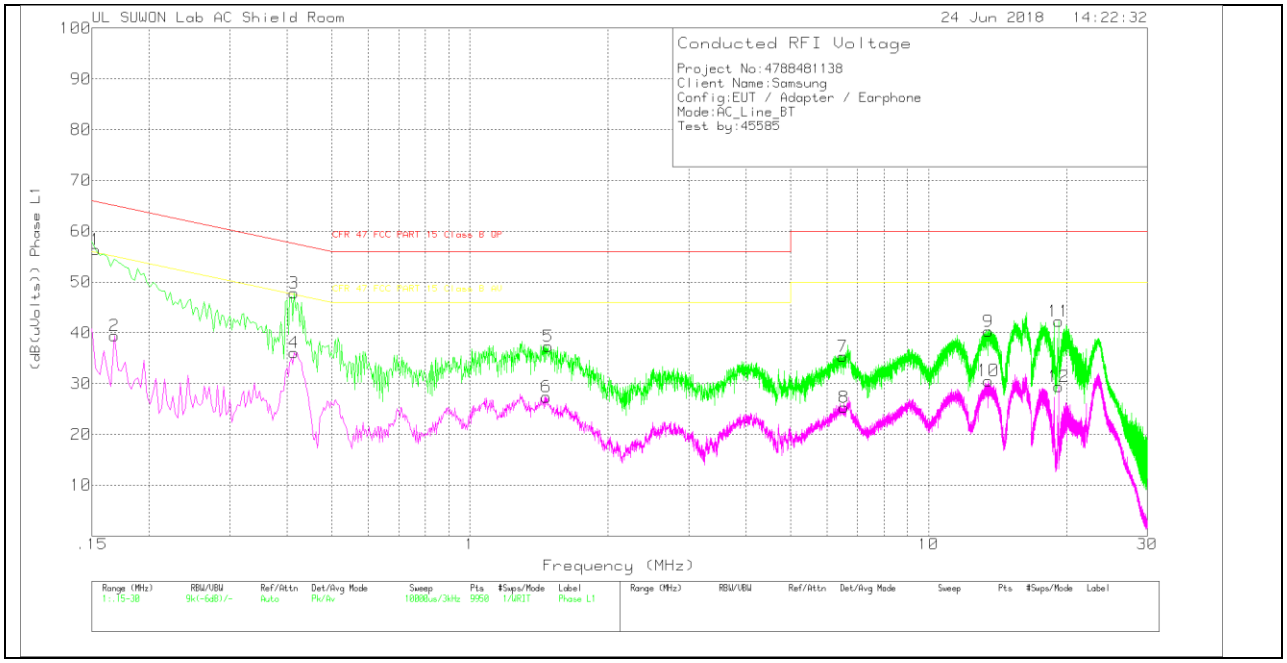
RESULTS

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_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)
1	.153	46.3	Pk	10	.1	56.4	65.84	-9.44	-	-
2	.168	29.33	Av	10	.1	39.43	-	-	55.06	-15.63
3	.414	37.84	Pk	9.8	.2	47.84	57.57	-9.73	-	-
4	.414	26.05	Av	9.8	.2	36.05	-	-	47.57	-11.52
5	1.482	27.16	Pk	9.9	.3	37.36	56	-18.64	-	-
6	1.467	17.17	Av	9.9	.3	27.37	-	-	46	-18.63
7	6.507	25.39	Pk	9.7	.3	35.39	60	-24.61	-	-
8	6.534	15.3	Av	9.7	.3	25.3	-	-	50	-24.7
9	13.506	30.04	Pk	9.8	.4	40.24	60	-19.76	-	-
10	13.509	20.38	Av	9.8	.4	30.58	-	-	50	-19.42
11	19.215	31.74	Pk	10.1	.4	42.24	60	-17.76	-	-
12	19.215	18.89	Av	10.1	.4	29.39	-	-	50	-20.61

Pk - Peak detector
Av - Average detection

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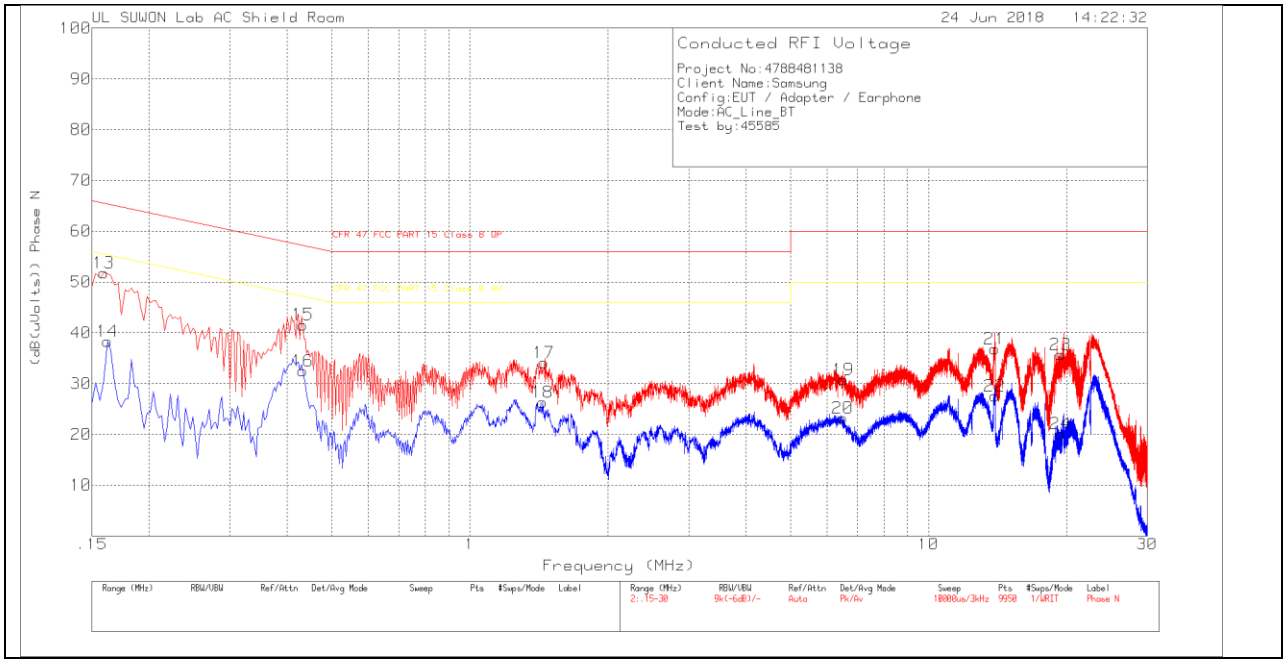
LINE 2 PLOT



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	.159	41.66	Pk	10	.1	51.76	65.52	-13.76	-	-
14	.162	28.26	Av	10	.1	38.36	-	-	55.36	-17
15	.432	31.59	Pk	9.8	.2	41.59	57.21	-15.62	-	-
16	.432	22.54	Av	9.8	.2	32.54	-	-	47.21	-14.67
17	1.452	23.87	Pk	9.9	.3	34.07	56	-21.93	-	-
18	1.443	16.12	Av	9.9	.3	26.32	-	-	46	-19.68
19	6.528	20.62	Pk	9.8	.3	30.72	60	-29.28	-	-
20	6.51	13.07	Av	9.8	.3	23.17	-	-	50	-26.83
21	13.932	26.64	Pk	9.8	.4	36.84	60	-23.16	-	-
22	13.932	17.33	Av	9.8	.4	27.53	-	-	50	-22.47
23	19.398	25.26	Pk	10	.4	35.66	60	-24.34	-	-
24	19.41	9.71	Av	10	.4	20.11	-	-	50	-29.89

Pk - Peak detector
Av - Average detection

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