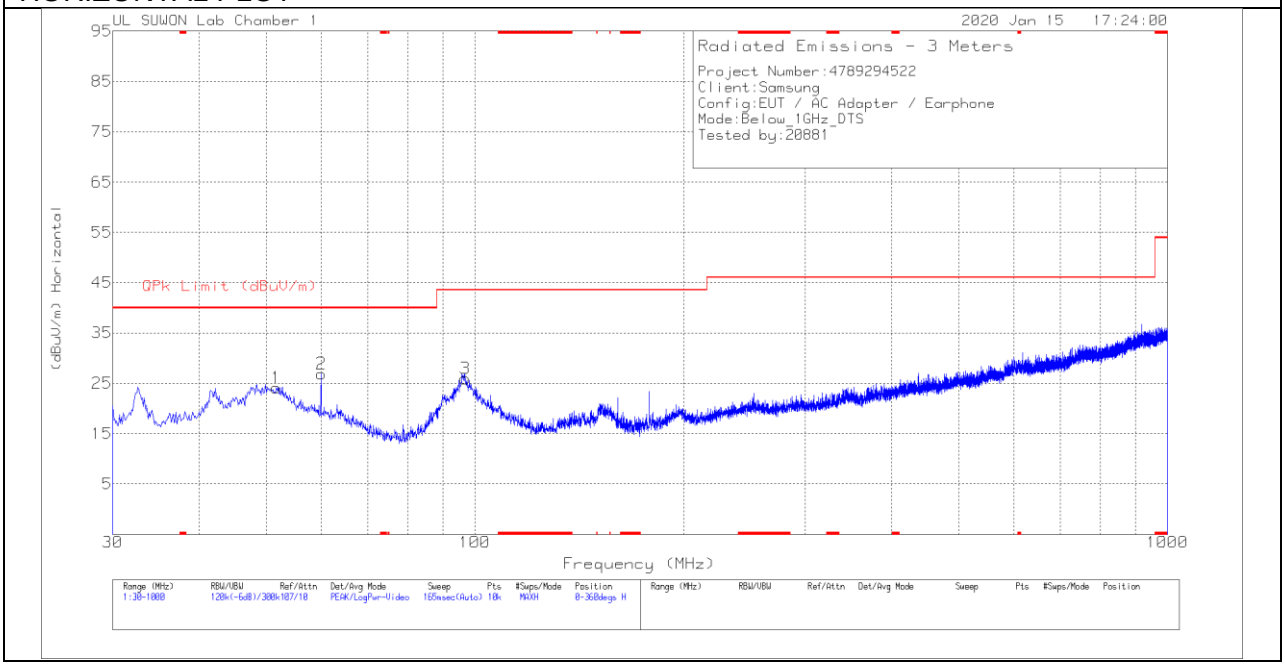
11.3. WORST-CASE BELOW 1 GHz

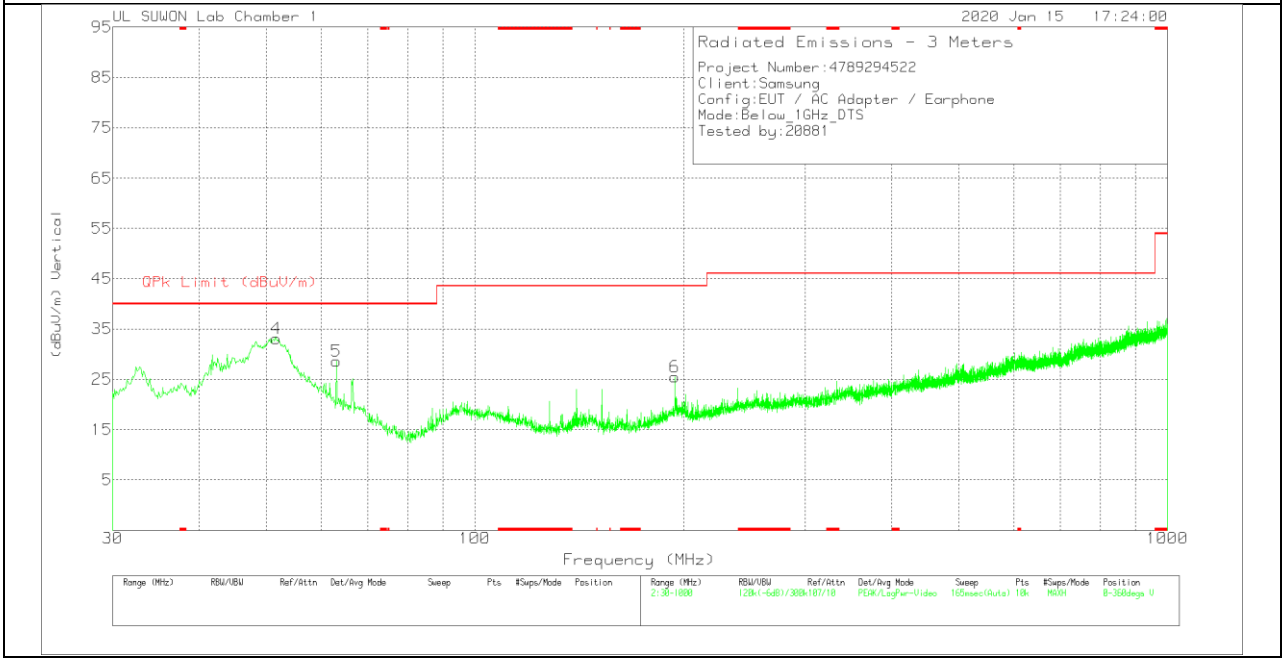
SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)

HORIZONTAL PLOT



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

VERTICAL PLOT



Below 1G Data

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	51.631	33.96	Pk	19.7	-29.5	24.16	40	-15.84	0-360	200	H
2	59.973	37.72	Pk	18.5	-29.3	26.92	40	-13.08	0-360	100	H
3	96.833	37.13	Pk	17.6	-28.8	25.93	43.52	-17.59	0-360	300	H
4	51.631	42.84	Pk	19.7	-29.5	33.04	40	-6.96	0-360	100	V
5	63.077	40.15	Pk	17.8	-29.4	28.55	40	-11.45	0-360	100	V
6	194.415	35.23	Pk	17.9	-27.6	25.53	43.52	-17.99	0-360	300	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.

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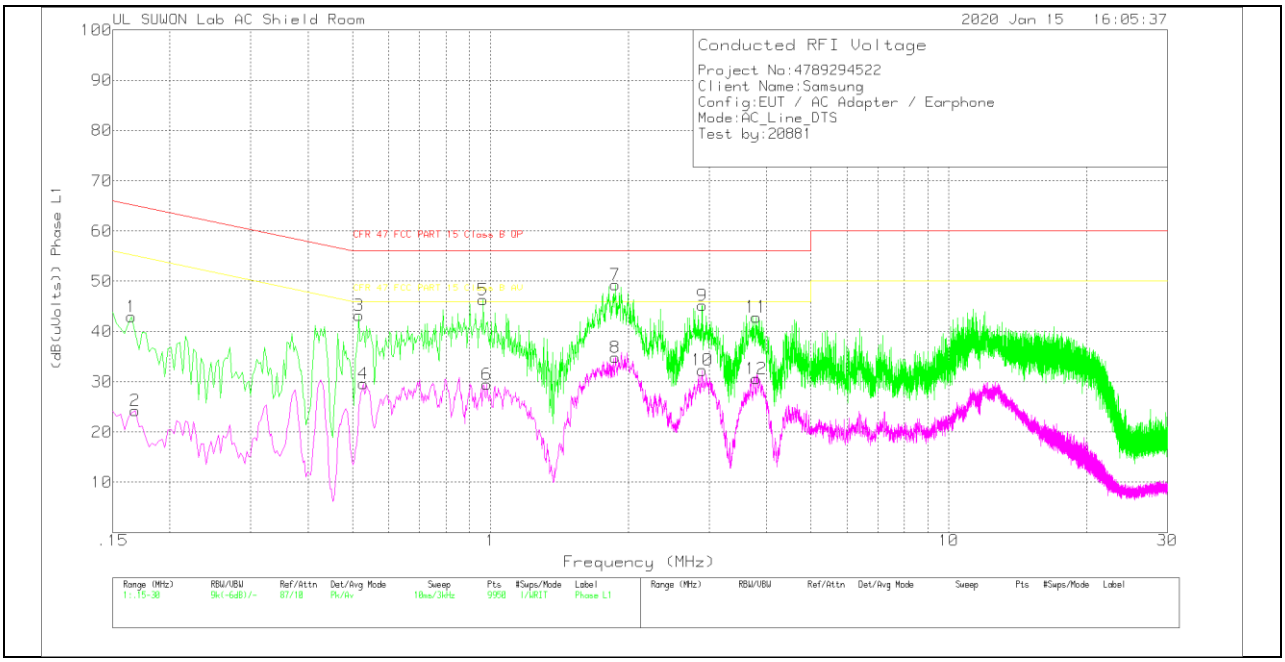
RESULTS

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_With Ex_L1[dB]	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	.165	32.8	Pk	10	.1	42.9	65.21	-22.31	-	-
2	.168	14.13	Av	10	.1	24.23	-	-	55.06	-30.83
3	.516	33.09	Pk	9.9	.2	43.19	56	-12.81	-	-
4	.528	19.49	Av	9.9	.2	29.59	-	-	46	-16.41
5	.963	36.19	Pk	9.8	.3	46.29	56	-9.71	-	-
6	.981	19.43	Av	9.8	.3	29.53	-	-	46	-16.47
7	1.875	39.21	Pk	9.8	.3	49.31	56	-6.69	-	-
8	1.872	24.73	Av	9.8	.3	34.83	-	-	46	-11.17
9	2.898	35.11	Pk	9.8	.3	45.21	56	-10.79	-	-
10	2.901	22.2	Av	9.8	.3	32.3	-	-	46	-13.7
11	3.804	32.79	Pk	9.8	.3	42.89	56	-13.11	-	-
12	3.807	20.49	Av	9.8	.3	30.59	-	-	46	-15.41

Pk - Peak detector
Av - Average detection

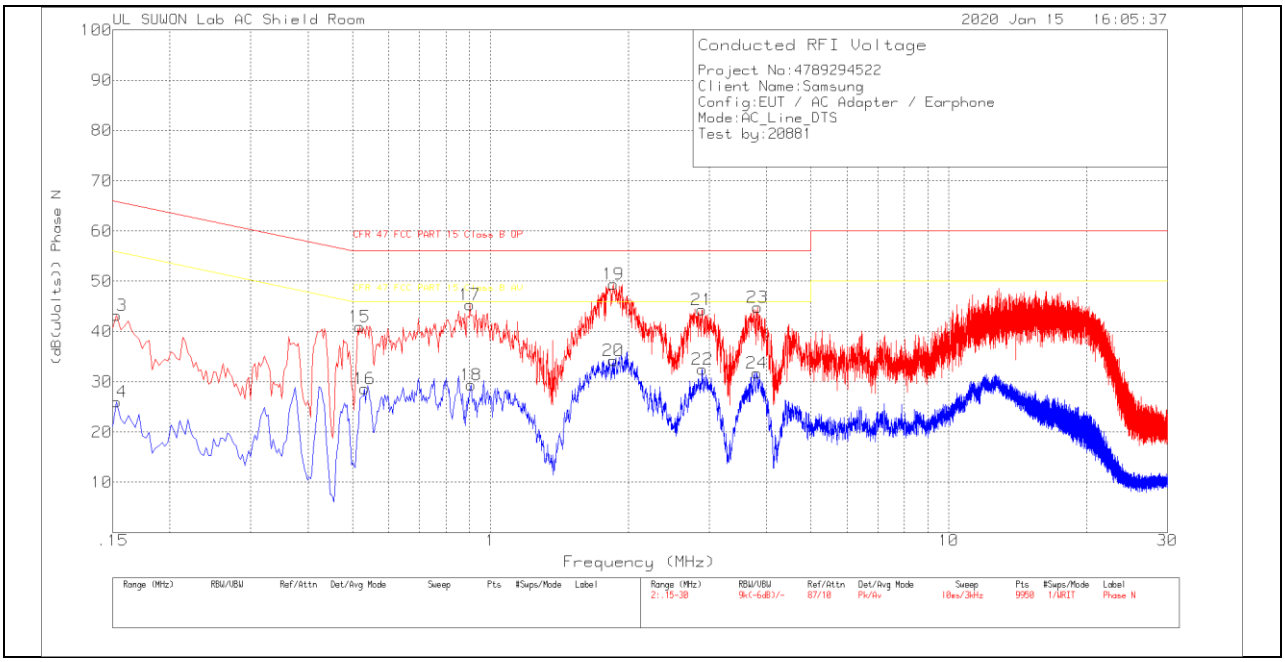
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_With Ex_L1[dB]	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)
.96375	28.34	Qp	9.8	.3	38.44	56	-17.56	-	-
1.87515	31.27	Qp	9.8	.3	41.37	56	-14.63	-	-

Qp - Quasi-Peak detector

LINE 2 PLOT



LINE 2 RESULTS

Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_With EX_N[dB]	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	33.34	Pk	9.8	.1	43.24	65.84	-22.6	-	-
14	.153	16.14	Av	9.8	.1	26.04	-	-	55.84	-29.8
15	.519	30.91	Pk	9.9	.2	41.01	56	-14.99	-	-
16	.531	18.54	Av	9.9	.2	28.64	-	-	46	-17.36
17	.903	35.27	Pk	9.8	.3	45.37	56	-10.63	-	-
18	.909	19.29	Av	9.8	.3	29.39	-	-	46	-16.61
19	1.854	39.3	Pk	9.8	.3	49.4	56	-6.6	-	-
20	1.854	24.08	Av	9.8	.3	34.18	-	-	46	-11.82
21	2.889	34.24	Pk	9.8	.3	44.34	56	-11.66	-	-
22	2.901	22.44	Av	9.8	.3	32.54	-	-	46	-13.46
23	3.822	34.71	Pk	9.8	.3	44.81	56	-11.19	-	-
24	3.819	21.61	Av	9.8	.3	31.71	-	-	46	-14.29

Pk - Peak detector
Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_With EX_N[dB]	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)
1.85475	35.56	Qp	9.8	.3	45.66	56	-10.34	-	-

Qp - Quasi-Peak detector

END OF REPORT

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