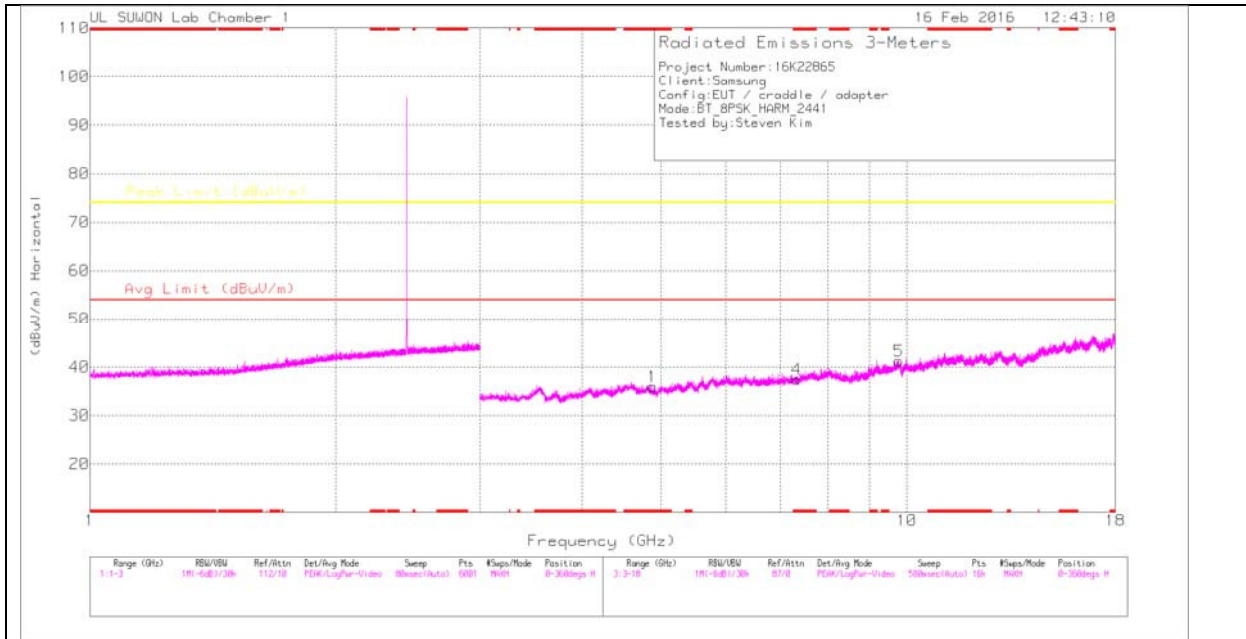
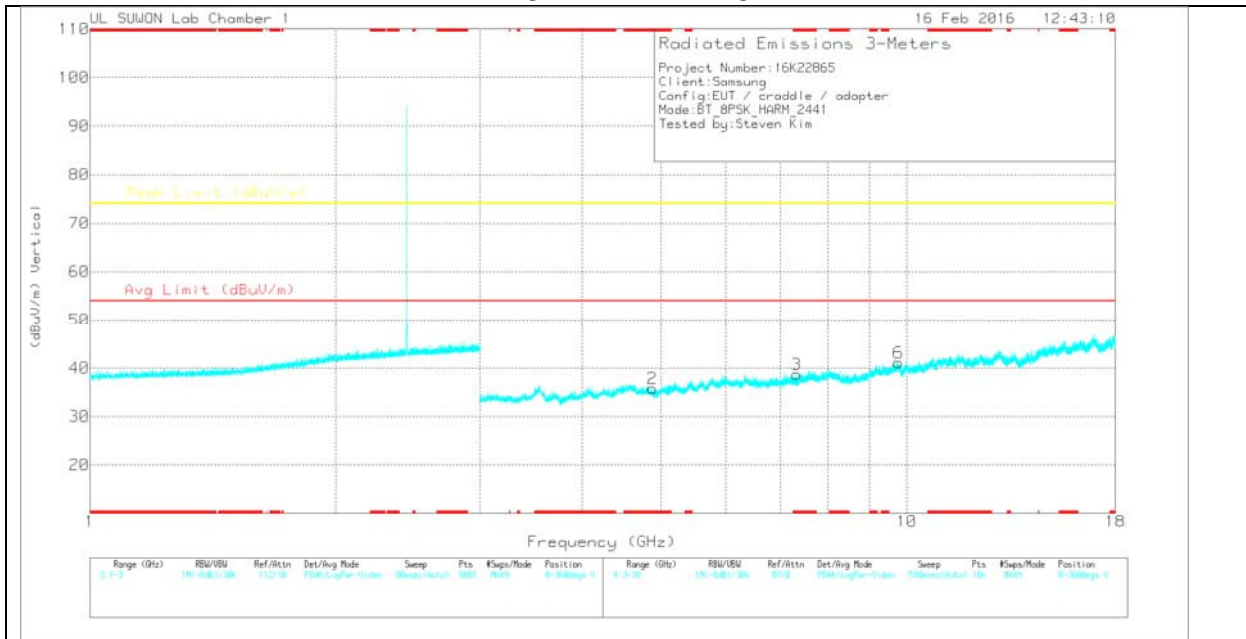


MID CHANNEL HORIZONTAL



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

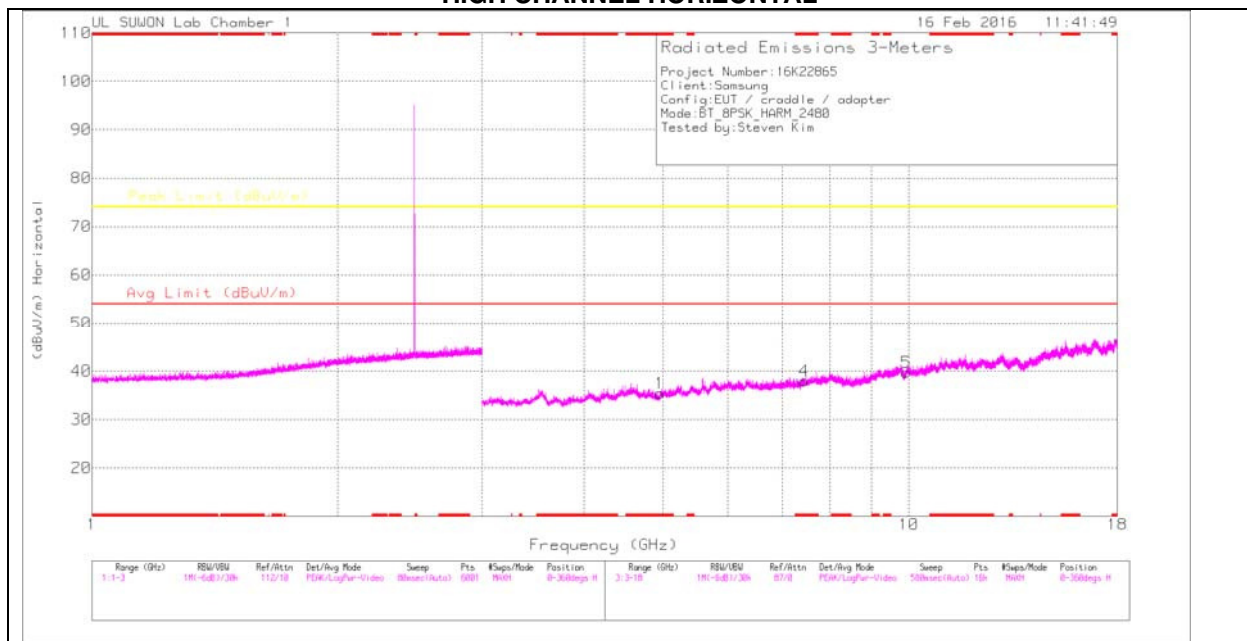
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_3	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.883	35.9	PK	34	-34	35.9	-	-	74	-38.1	0-360	100	H
4	* 7.33	32.51	PK	35.8	-30.8	37.51	-	-	74	-36.49	0-360	200	H
5	9.767	30.51	PK	37.2	-26.5	41.21	-	-	74	-32.79	0-360	200	H
2	* 4.883	35.84	PK	34	-34	35.84	-	-	74	-38.16	0-360	100	V
3	* 7.326	33.72	PK	35.8	-30.8	38.72	-	-	74	-35.28	0-360	100	V
6	9.765	30.52	PK	37.2	-26.6	41.12	-	-	74	-32.88	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

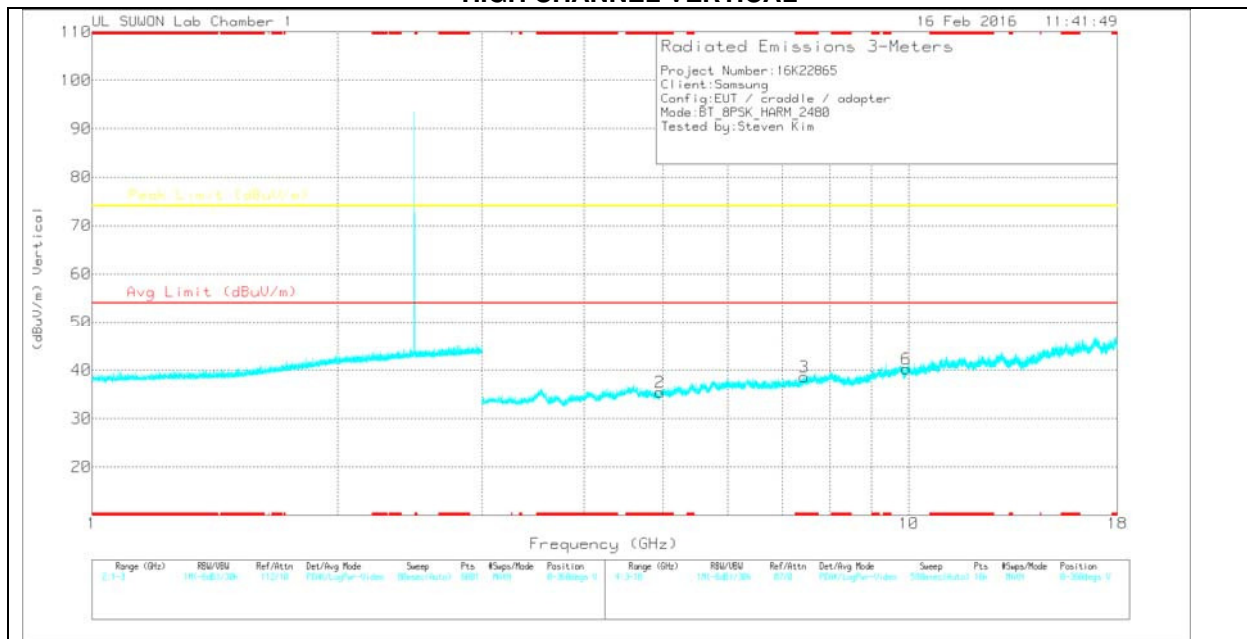
PK – Peak detector

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

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(0016 8717)_150 619	Path_3	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.959	35.48	PK	34	-34	35.48	-	-	74	-38.52	0-360	200	H
4	* 7.446	32.75	PK	35.8	-30.6	37.95	-	-	74	-36.05	0-360	100	H
5	9.92	29.56	PK	37.4	-27.2	39.76	-	-	74	-34.24	0-360	100	H
2	* 4.958	35.44	PK	34	-34	35.44	-	-	74	-38.56	0-360	100	V
3	* 7.442	33.44	PK	35.8	-30.7	38.54	-	-	74	-35.46	0-360	200	V
6	9.92	30.07	PK	37.4	-27.2	40.27	-	-	74	-33.73	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

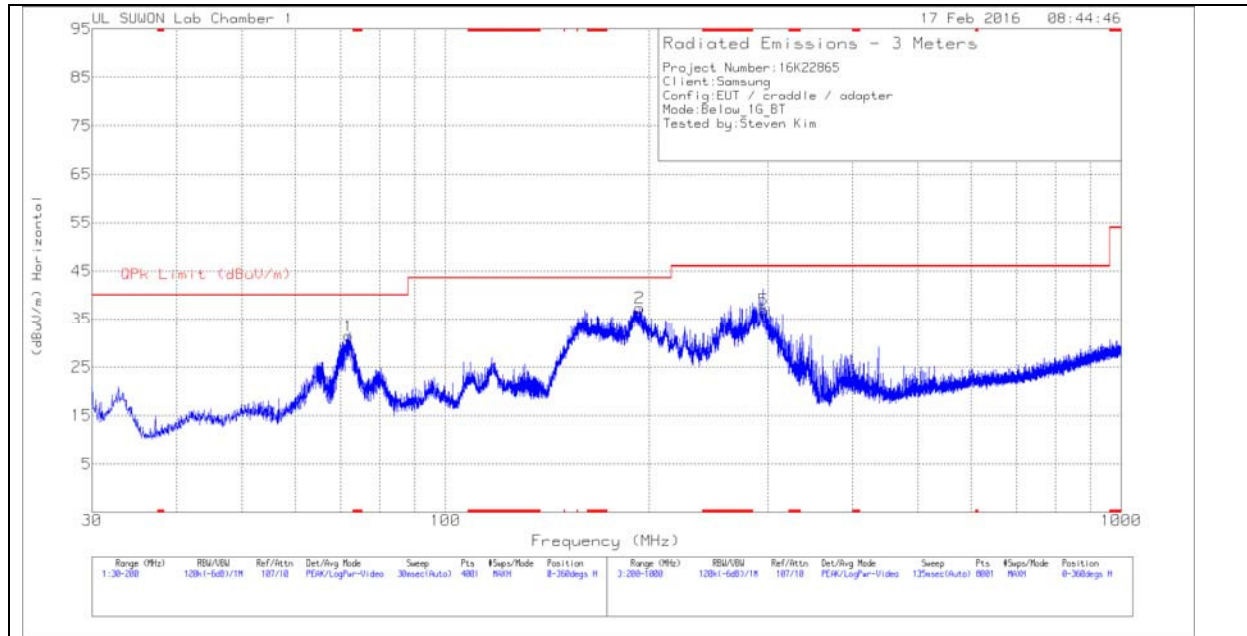
PK – Peak detector

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

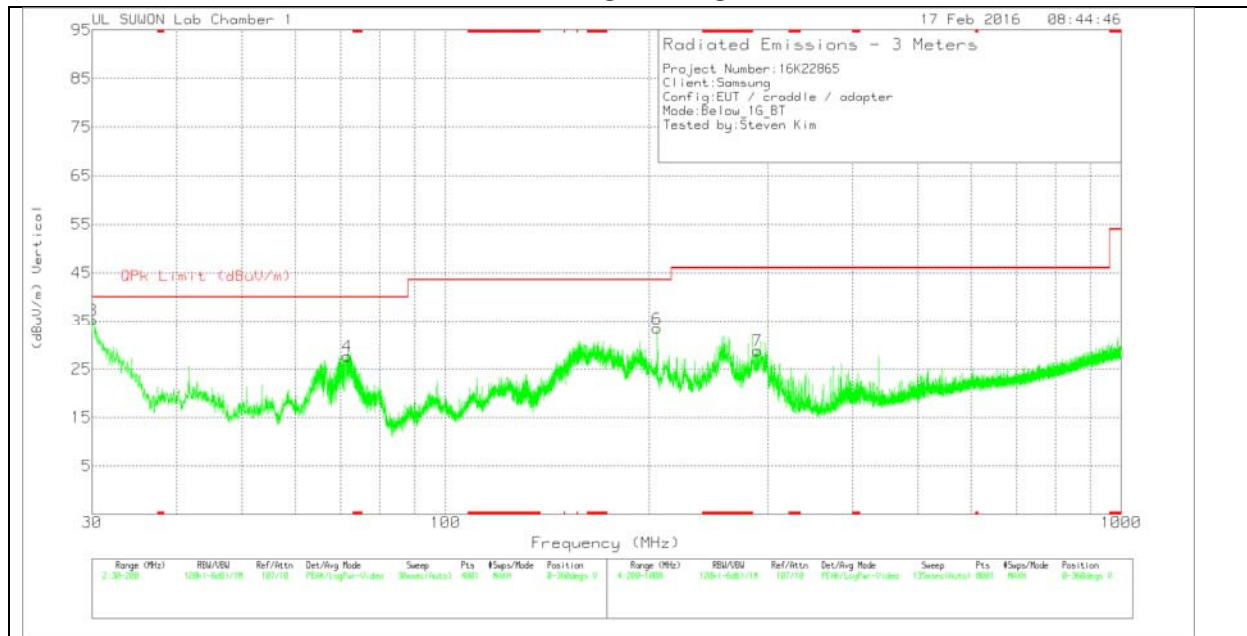
9.3. WORST-CASE BELOW 1 GHz

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	VULB9163-750	Bi-Log	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	71.9475	52.06	Pk	9.1	-29.7	0	31.46	40	-8.54	0-360	301	H
2	193.795	54.86	Pk	10.7	-28.2	0	37.36	43.52	-6.16	0-360	100	H
3	30.0425	55.41	Pk	10.3	-30.5	0	35.21	40	-4.79	0-360	101	V
4	71.65	48.18	Pk	9.2	-29.7	0	27.68	40	-12.32	0-360	200	V
5	295.4	51.32	Pk	13.2	-27.5	0	37.02	46.02	-9	0-360	100	H
6	205.8	50.07	Pk	11.5	-28.1	0	33.47	43.52	-10.05	0-360	100	V
7	289.5	43.18	Pk	13.1	-27.5	0	28.78	46.02	-17.24	0-360	300	V

Pk - Peak detector

10. 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.

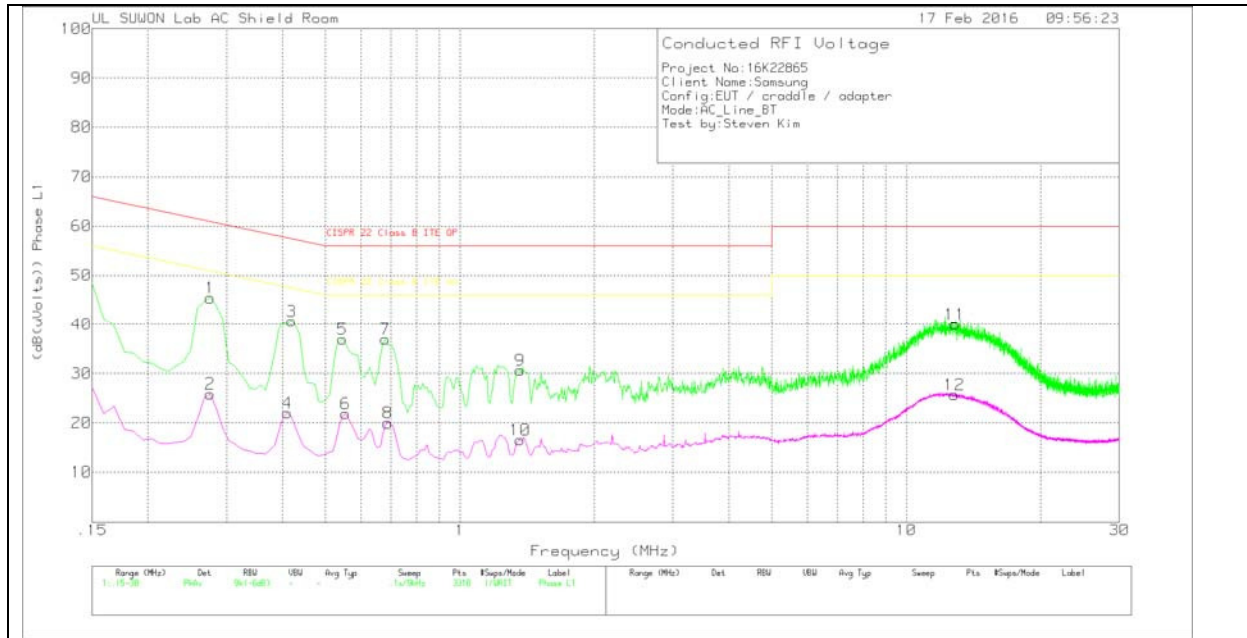
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

6 WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

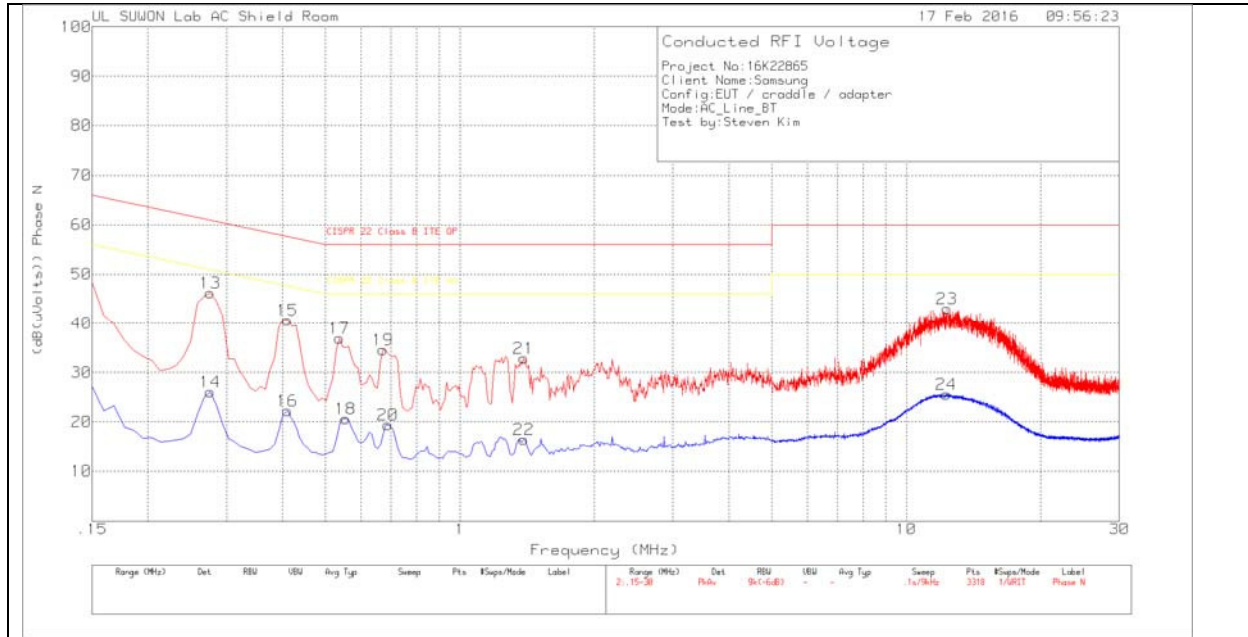
Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_w ith ex-cord_L1	CE Shield Room	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
1	.276	35.63	Pk	9.8	0	45.43	60.94	-15.51	-	-
2	.276	16.08	Av	9.8	0	25.88	-	-	50.94	-25.06
3	.42	30.51	Pk	10.1	0	40.61	57.45	-16.84	-	-
4	.411	11.9	Av	10.1	0	22	-	-	47.63	-25.63
5	.546	26.9	Pk	10.1	0	37	56	-19	-	-
6	.555	11.73	Av	10.1	0	21.83	-	-	46	-24.17
7	.681	26.86	Pk	10.1	0	36.96	56	-19.04	-	-
8	.69	9.85	Av	10.1	0	19.95	-	-	46	-26.05
9	1.365	20.71	Pk	9.8	.1	30.61	56	-25.39	-	-
10	1.365	6.6	Av	9.8	.1	16.5	-	-	46	-29.5
11	12.849	29.75	Pk	10.1	.2	40.05	60	-19.95	-	-
12	12.813	15.39	Av	10.1	.2	25.69	-	-	50	-24.31

Pk - Peak detector

Av - Average detection

LINE 2 PLOT



LINE 2 RESULTS

Trace Markers

Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_w ith ex-cord_N	CE Shield Room	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
13	.276	36.43	Pk	9.8	0	46.23	60.94	-14.71	-	-
14	.276	16.24	Av	9.8	0	26.04	-	-	50.94	-24.9
15	.411	30.52	Pk	10.1	0	40.62	57.63	-17.01	-	-
16	.411	12.12	Av	10.1	0	22.22	-	-	47.63	-25.41
17	.537	26.8	Pk	10.1	0	36.9	56	-19.1	-	-
18	.555	10.51	Av	10.1	0	20.61	-	-	46	-25.39
19	.672	24.55	Pk	10	0	34.55	56	-21.45	-	-
20	.69	9.44	Av	10	0	19.44	-	-	46	-26.56
21	1.392	22.98	Pk	9.8	.1	32.88	56	-23.12	-	-
22	1.392	6.5	Av	9.8	.1	16.4	-	-	46	-29.6
23	12.318	32.64	Pk	10.2	.2	43.04	60	-16.96	-	-
24	12.309	15.14	Av	10.2	.2	25.54	-	-	50	-24.46

Pk - Peak detector

Av - Average detection