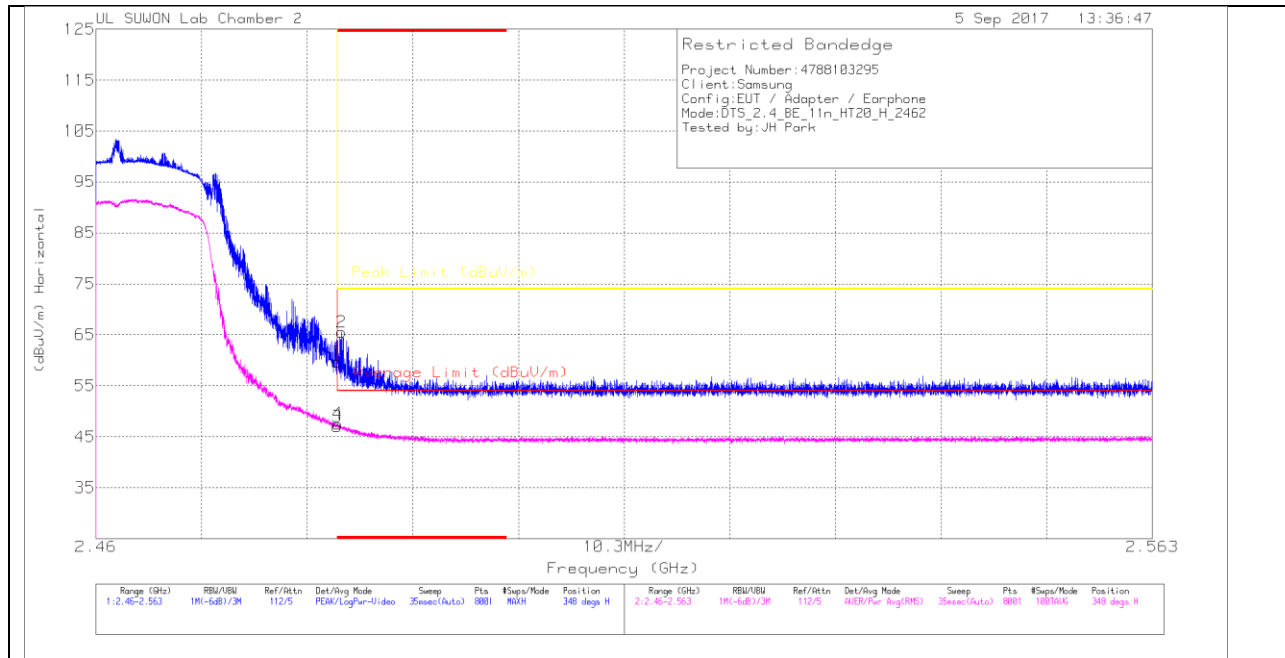


AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

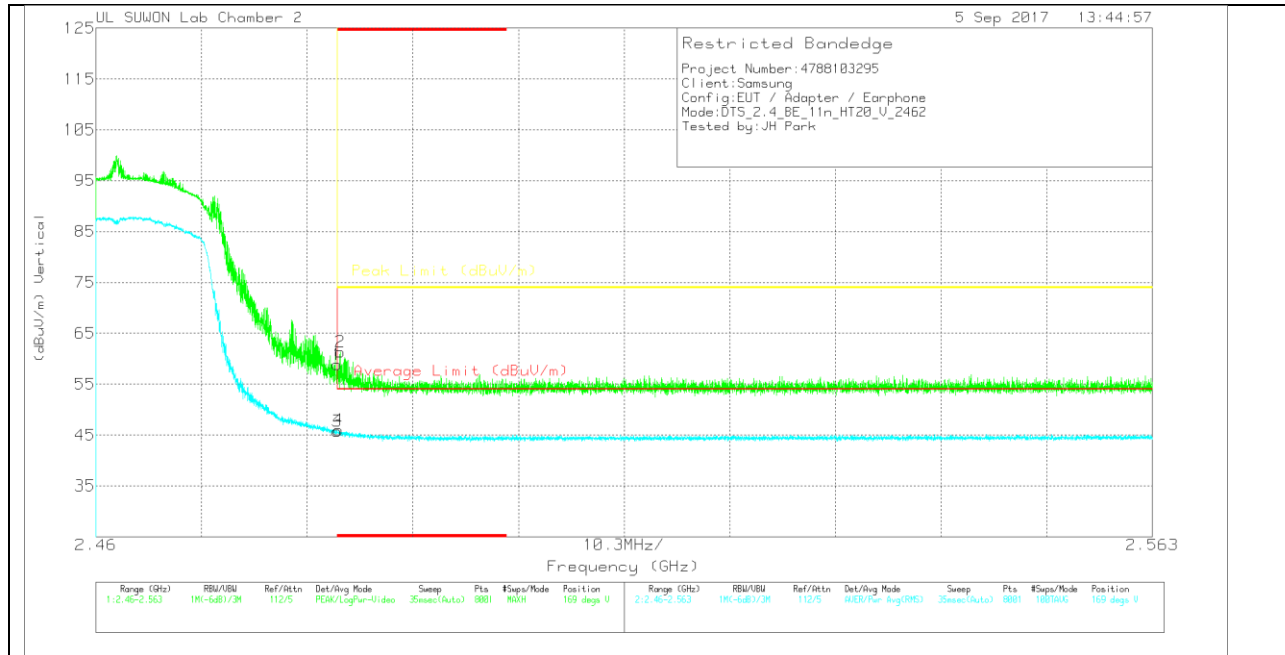
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117 [00168724]	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.07	Pk		-18	0	59.67	-	-	74	-14.33	348	150	H
2	* 2.484	51.89	PK		-18	0	65.49	-	-	74	-8.51	348	150	H
3	* 2.484	33.16	RMS		-18	.24	47	54	-7	-	-	348	150	H
4	* 2.484	33.7	RMS		-18	.24	47.54	54	-6.46	-	-	348	150	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117 [00168724]	10dB(dB)	DC Corr (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	45.26	Pk	31.6	-18	0	58.86	-	-	74	-15.14	169	151	V
2	* 2.484	47.76	Pk	31.6	-18	0	61.36	-	-	74	-12.64	169	151	V
3	* 2.484	31.91	RMS	31.6	-18	.24	45.75	54	-8.25	-	-	169	151	V
4	* 2.484	32.16	RMS	31.6	-18	.24	46	54	-8	-	-	169	151	V

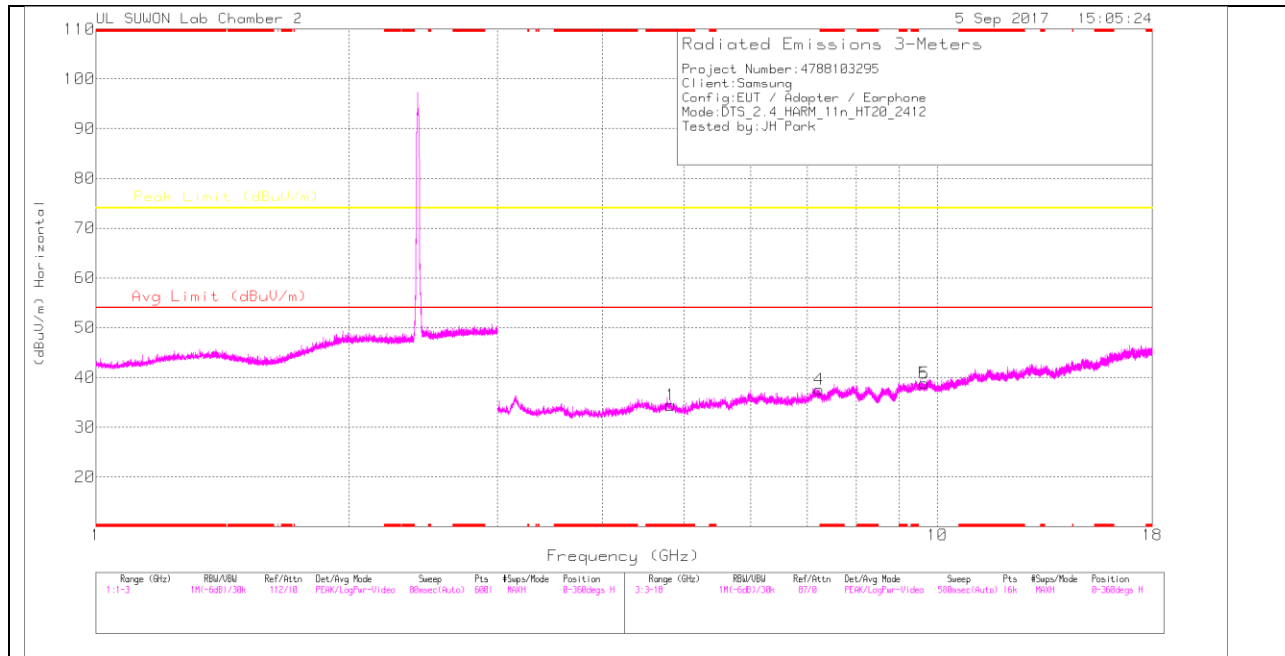
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

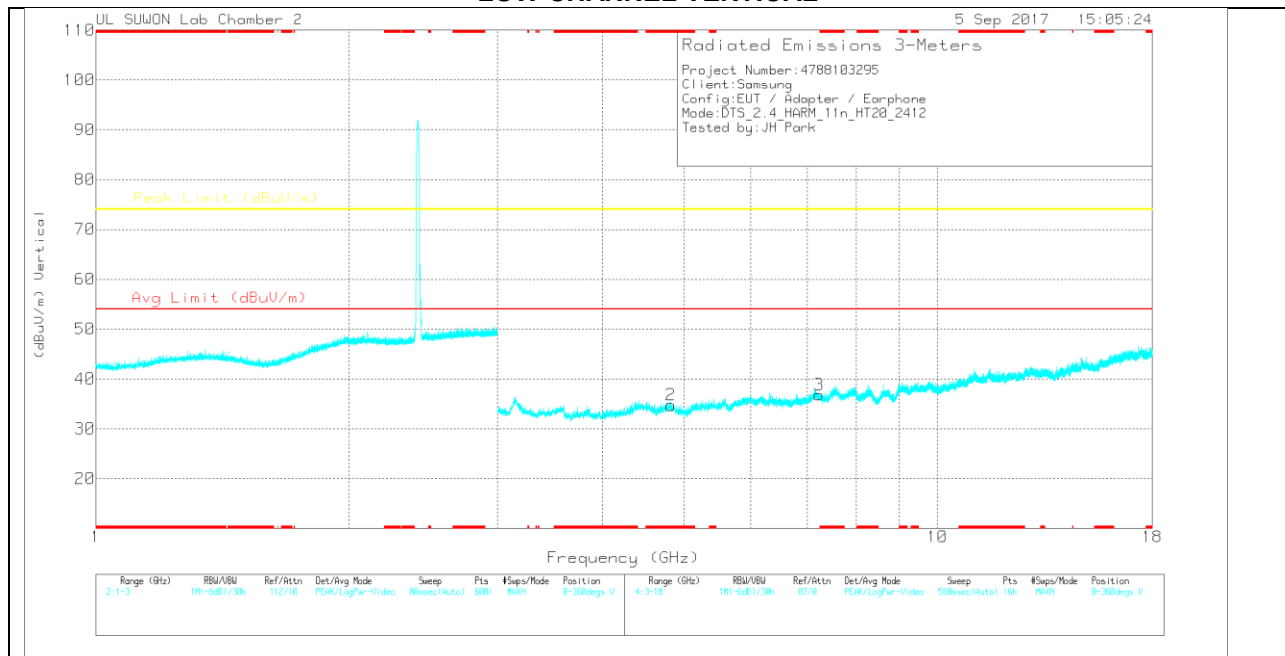
RMS - RMS detection

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

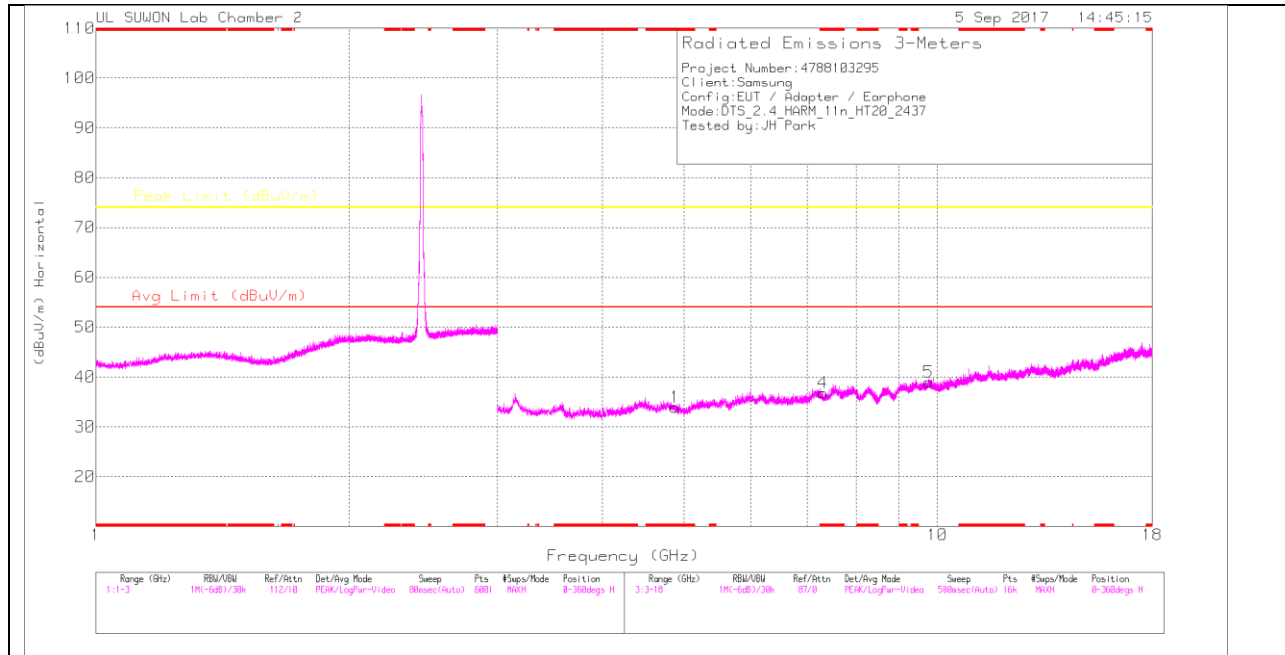
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117 [00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.821	24.97	PK	33.8	-24.3	0	34.47	-	-	74	-39.53	0-360	250	H
4	7.234	23.56	PK	35.9	-21.9	0	37.56	-	-	74	-36.44	0-360	150	H
5	9.647	20.34	PK	36.8	-18.3	0	38.84	-	-	74	-35.16	0-360	250	H
6	9.647	20.34	PK	36.8	-18.3	0	38.84	-	-	74	-35.16	0-360	250	H
2	* 4.824	25.24	PK	33.8	-24.3	0	34.74	-	-	74	-39.26	0-360	250	V
3	7.239	22.9	PK	35.9	-22	0	36.8	-	-	74	-37.2	0-360	150	V

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

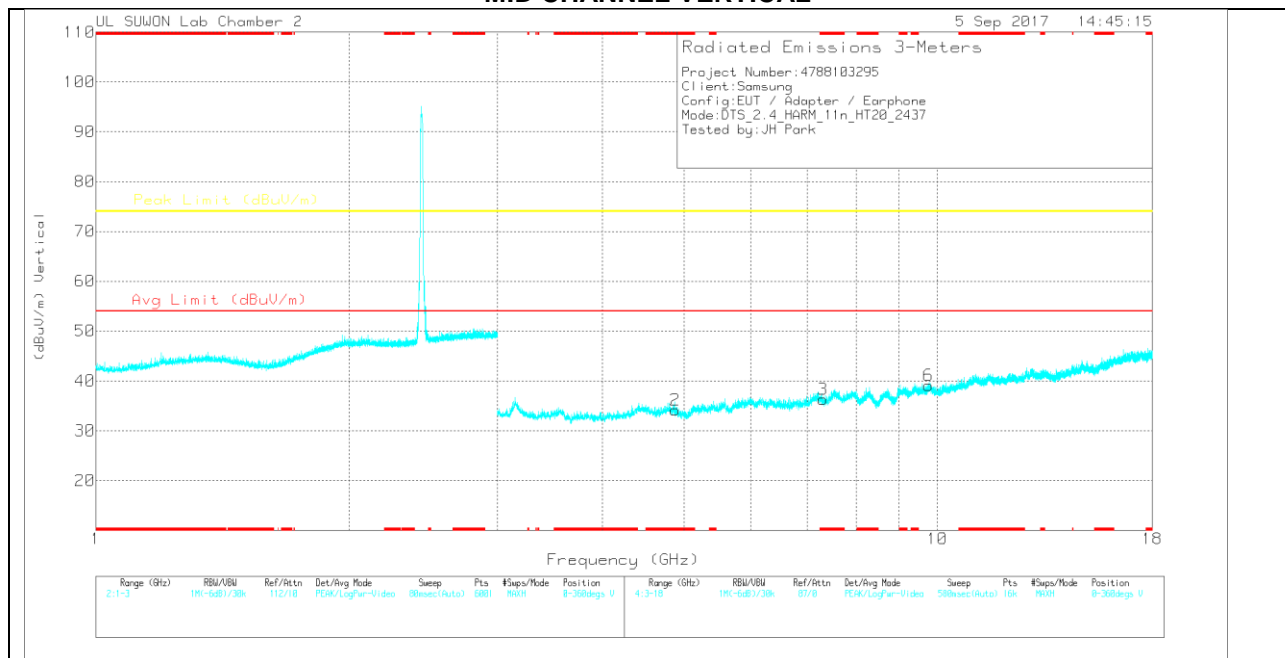
PK – Peak Detector

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

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

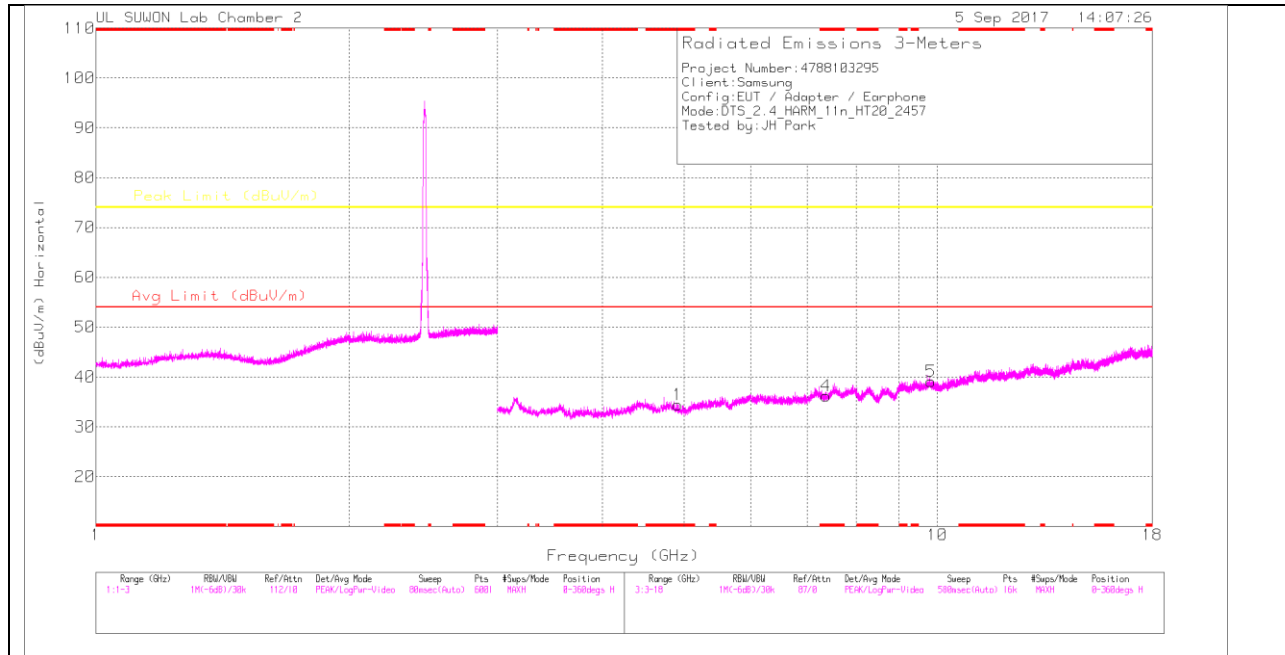
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117 [00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.876	24.67	PK	33.8	-24.5	0	33.97	-	-	74	-40.03	0-360	149	H
4	* 7.315	22.9	PK	35.9	-22	0	36.8	-	-	74	-37.2	0-360	149	H
5	9.752	20.13	PK	36.9	-18.1	0	38.93	-	-	74	-35.07	0-360	149	H
2	* 4.876	24.87	PK	33.8	-24.5	0	34.17	-	-	74	-39.83	0-360	250	V
3	* 7.312	22.45	PK	35.9	-22	0	36.35	-	-	74	-37.65	0-360	250	V
6	9.758	20.2	PK	36.9	-18	0	39.1	-	-	74	-34.9	0-360	150	V

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

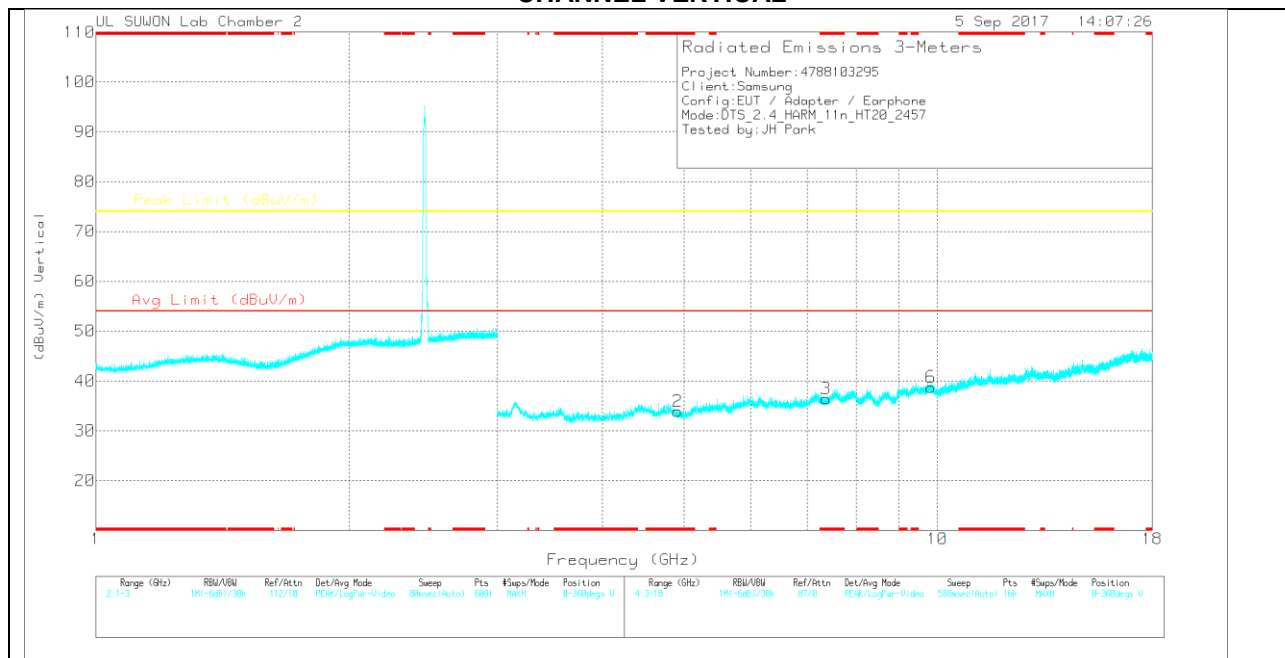
PK – Peak Detector

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

10 CHANNEL HORIZONTAL



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.

10 CHANNEL DATA

Trace Markers

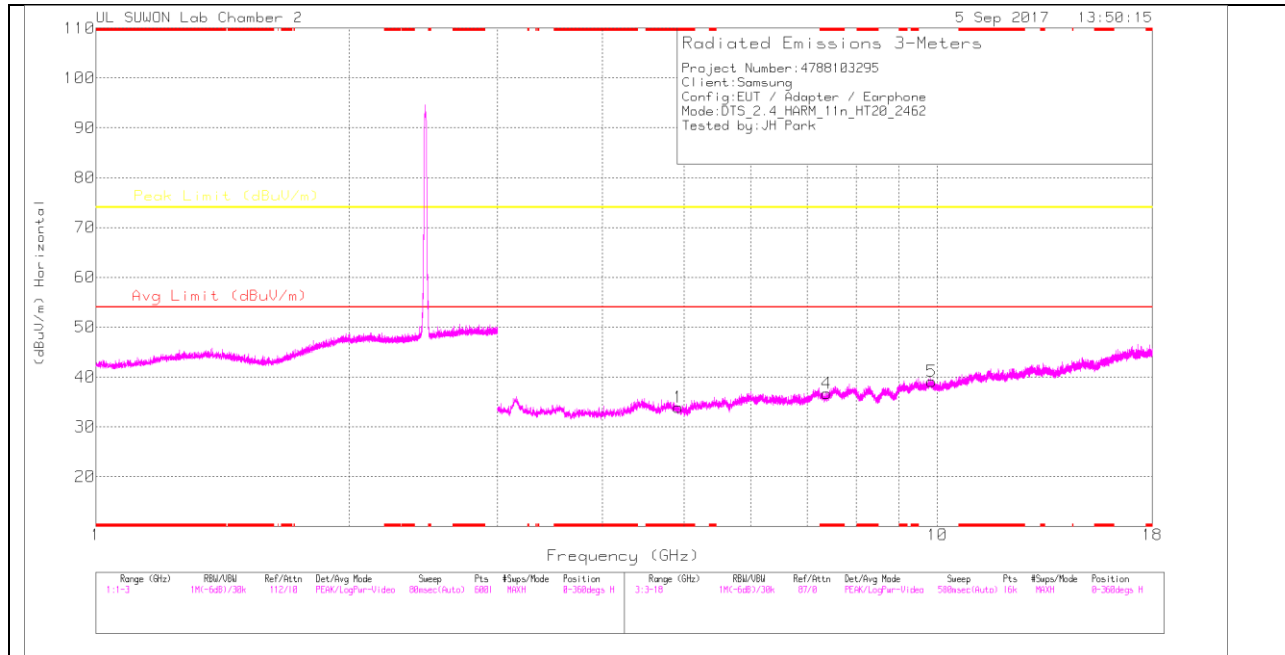
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117 [00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.917	25.35	PK	33.8	-24.7	0	34.45	-	-	74	-39.55	0-360	250	H
4	* 7.368	21.91	PK	35.9	-21.6	0	36.21	-	-	74	-37.79	0-360	150	H
5	9.827	20	PK	37	-17.9	0	39.1	-	-	74	-34.9	0-360	150	H
2	* 4.914	24.73	PK	33.8	-24.6	0	33.93	-	-	74	-40.07	0-360	150	V
3	* 7.374	22.05	PK	35.9	-21.5	0	36.45	-	-	74	-37.55	0-360	150	V
6	9.825	19.68	PK	37	-17.9	0	38.78	-	-	74	-35.22	0-360	150	V

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

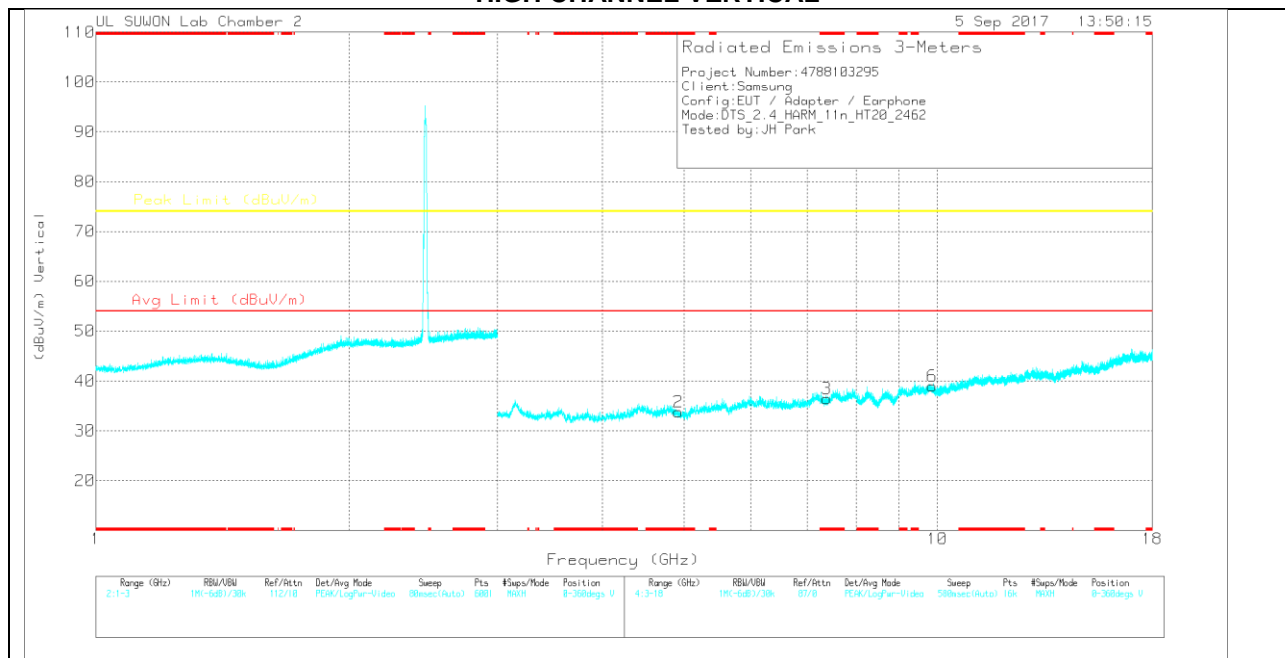
PK – Peak Detector

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	170531_3117 [00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.924	24.77	PK	33.8	-24.7	0	33.87	-	-	74	-40.13	0-360	250	H
4	* 7.389	22.15	PK	35.9	-21.4	0	36.65	-	-	74	-37.35	0-360	150	H
5	9.844	19.96	PK	37	-17.9	0	39.06	-	-	74	-34.94	0-360	250	H
2	* 4.92	24.73	PK	33.8	-24.7	0	33.83	-	-	74	-40.17	0-360	150	V
3	* 7.39	21.82	PK	35.9	-21.3	0	36.42	-	-	74	-37.58	0-360	250	V
6	9.857	19.84	PK	37	-17.9	0	38.94	-	-	74	-35.06	0-360	250	V

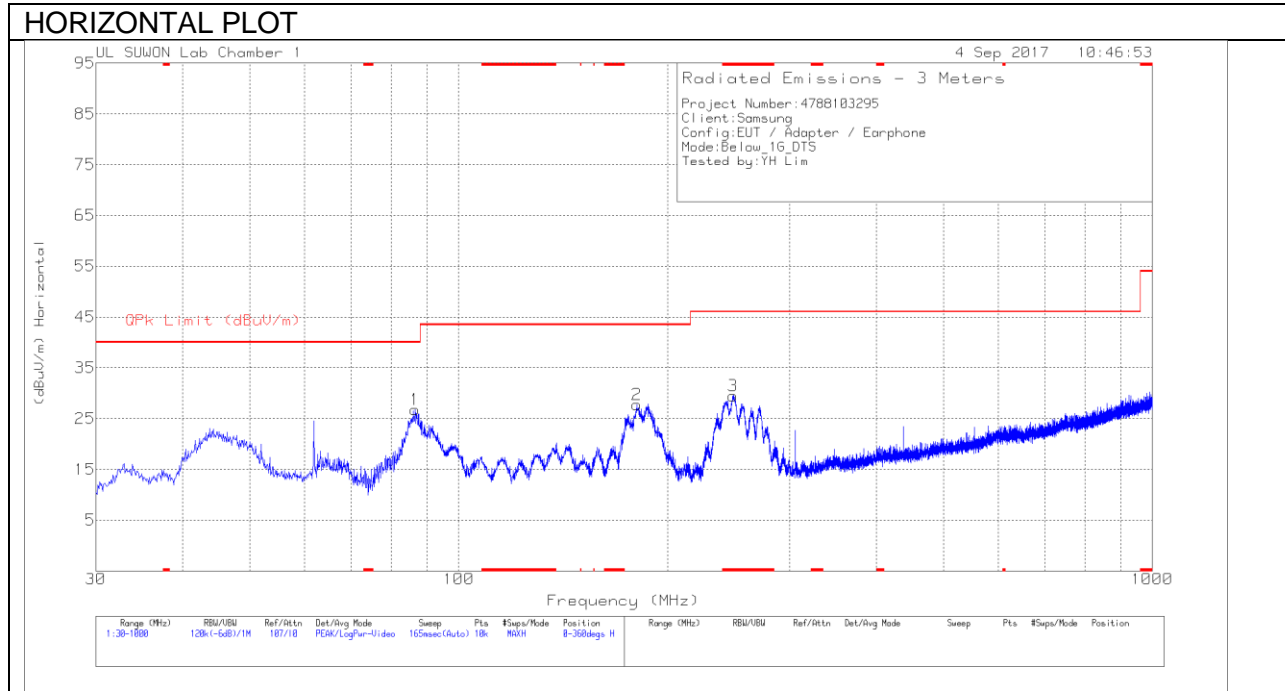
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak detector

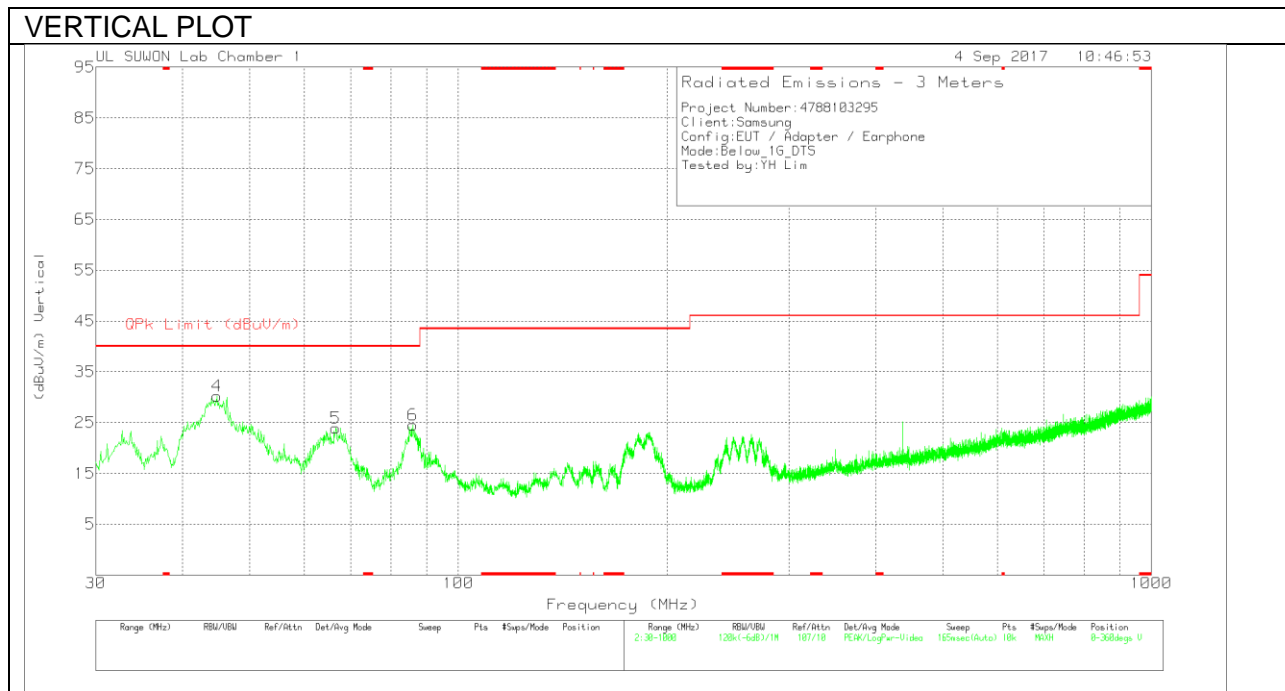
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

10.2. WORST-CASE BELOW 1 GHz

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



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



Below 1G Data

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_75 0(dB)	30-1000MHz[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	86.551	46.92	Pk	8.6	-28.8	26.72	40	-13.28	0-360	400	H
2	180.738	45.85	Pk	9.5	-27.6	27.75	43.52	-15.77	0-360	100	H
3	* 248.638	44.71	Pk	12.2	-27.4	29.51	46.02	-16.51	0-360	100	H
4	44.841	45.99	Pk	13.6	-29.4	30.19	40	-9.81	0-360	100	V
5	66.569	42.16	Pk	10.7	-28.9	23.96	40	-16.04	0-360	100	V
6	85.969	44.81	Pk	8.5	-28.8	24.51	40	-15.49	0-360	100	V

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

Pk - Peak detector

11. 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.

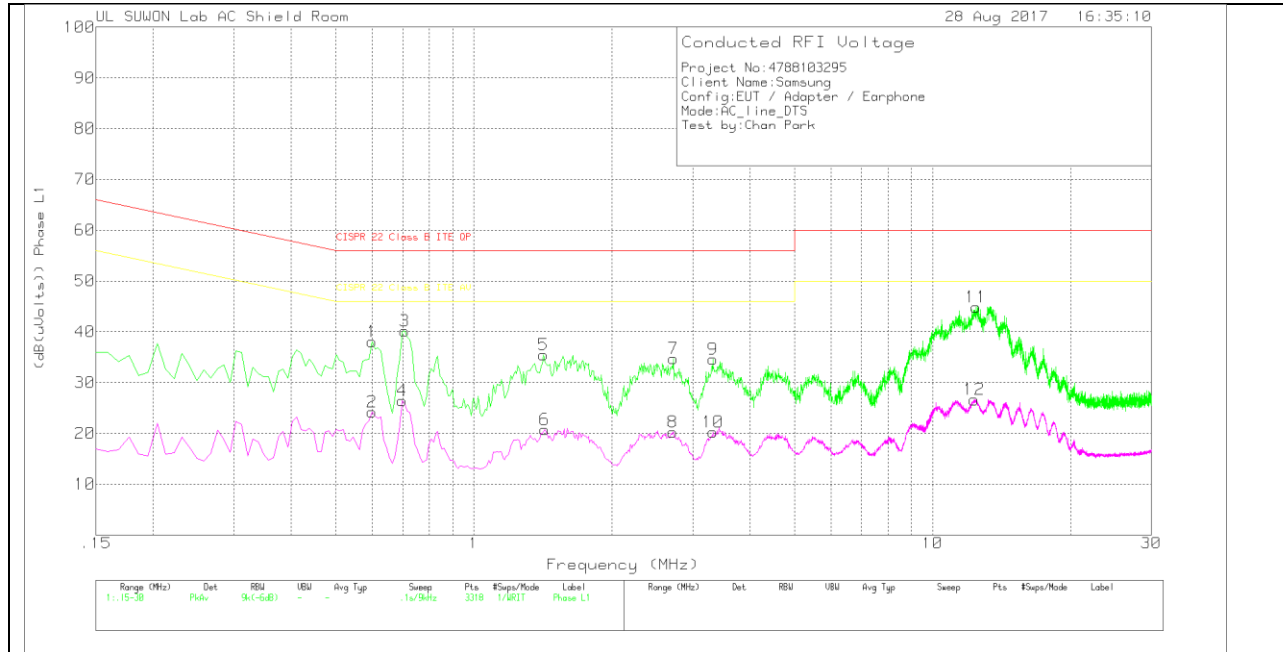
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

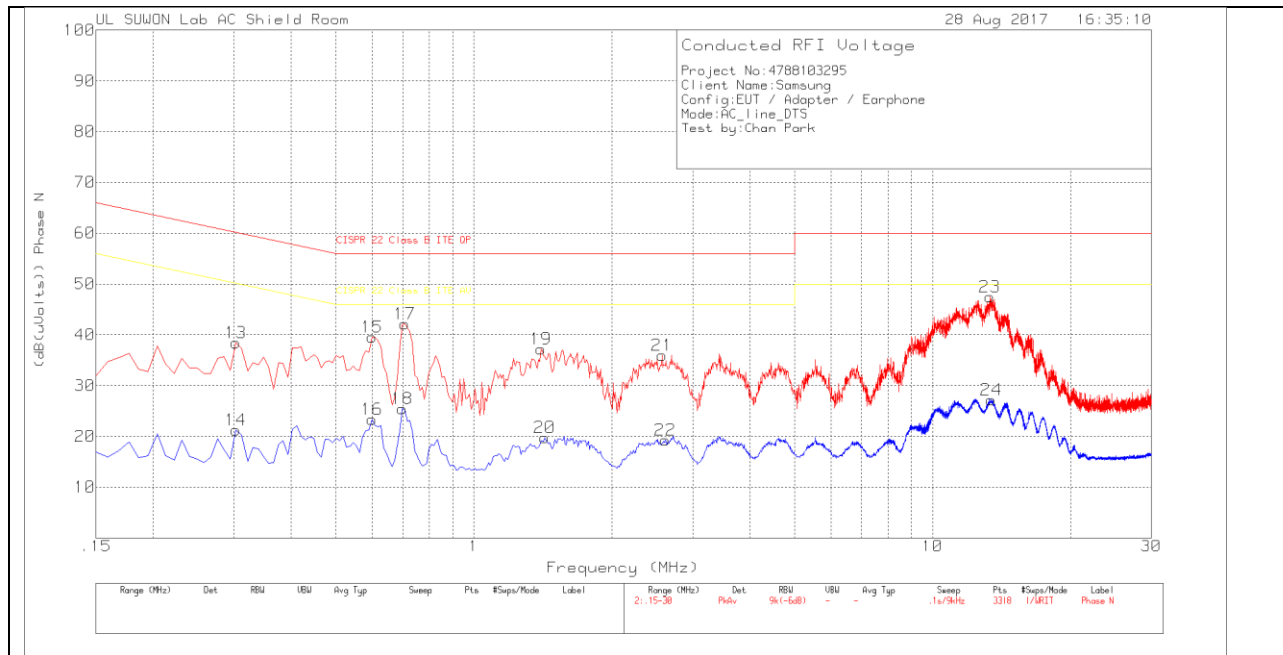
Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_L 1_with extension	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
1	.6	28.1	Pk	9.8	.2	38.1	56	-17.9	-	-
2	.6	14.25	Av	9.8	.2	24.25	-	-	46	-21.75
3	.708	30.27	Pk	9.7	.2	40.17	56	-15.83	-	-
4	.699	16.57	Av	9.7	.2	26.47	-	-	46	-19.53
5	1.419	25.32	Pk	9.9	.3	35.52	56	-20.48	-	-
6	1.428	10.5	Av	9.9	.3	20.7	-	-	46	-25.3
7	2.724	24.62	Pk	9.8	.3	34.72	56	-21.28	-	-
8	2.715	10.18	Av	9.8	.3	20.28	-	-	46	-25.72
9	3.318	24.46	Pk	9.8	.3	34.56	56	-21.44	-	-
10	3.318	10.12	Av	9.8	.3	20.22	-	-	46	-25.78
11	12.453	34.79	Pk	9.8	.3	44.89	60	-15.11	-	-
12	12.336	16.53	Av	9.8	.3	26.63	-	-	50	-23.37

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_N _with extension	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
13	.303	28.57	Pk	9.7	.2	38.47	60.16	-21.69	-	-
14	.303	11.29	Av	9.7	.2	21.19	-	-	50.16	-28.97
15	.6	29.7	Pk	9.7	.2	39.6	56	-16.4	-	-
16	.6	13.48	Av	9.7	.2	23.38	-	-	46	-22.62
17	.708	32.11	Pk	9.8	.2	42.11	56	-13.89	-	-
18	.699	15.43	Av	9.8	.2	25.43	-	-	46	-20.57
19	1.401	27	Pk	9.9	.3	37.2	56	-18.8	-	-
20	1.428	9.54	Av	9.9	.3	19.74	-	-	46	-26.26
21	2.571	25.73	Pk	9.9	.3	35.93	56	-20.07	-	-
22	2.616	9.01	Av	9.9	.3	19.21	-	-	46	-26.79
23	13.353	37.27	Pk	9.8	.4	47.47	60	-12.53	-	-
24	13.443	17.03	Av	9.8	.4	27.23	-	-	50	-22.77

Pk - Peak detector

Av - Average detection