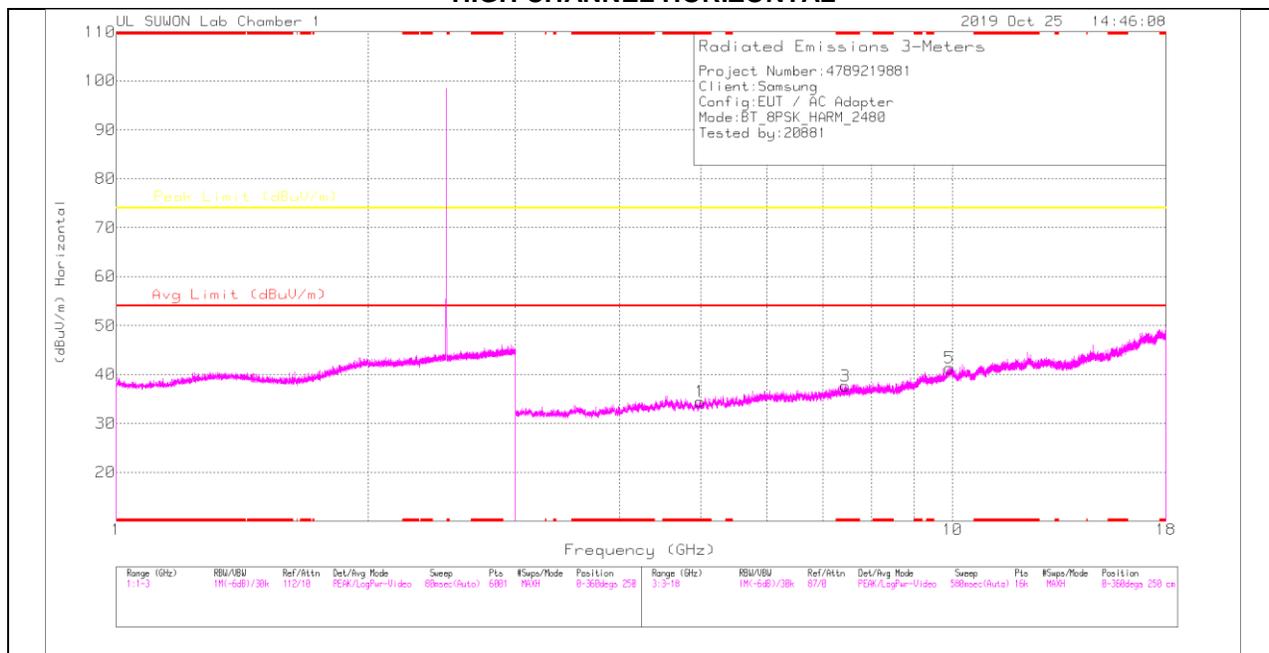
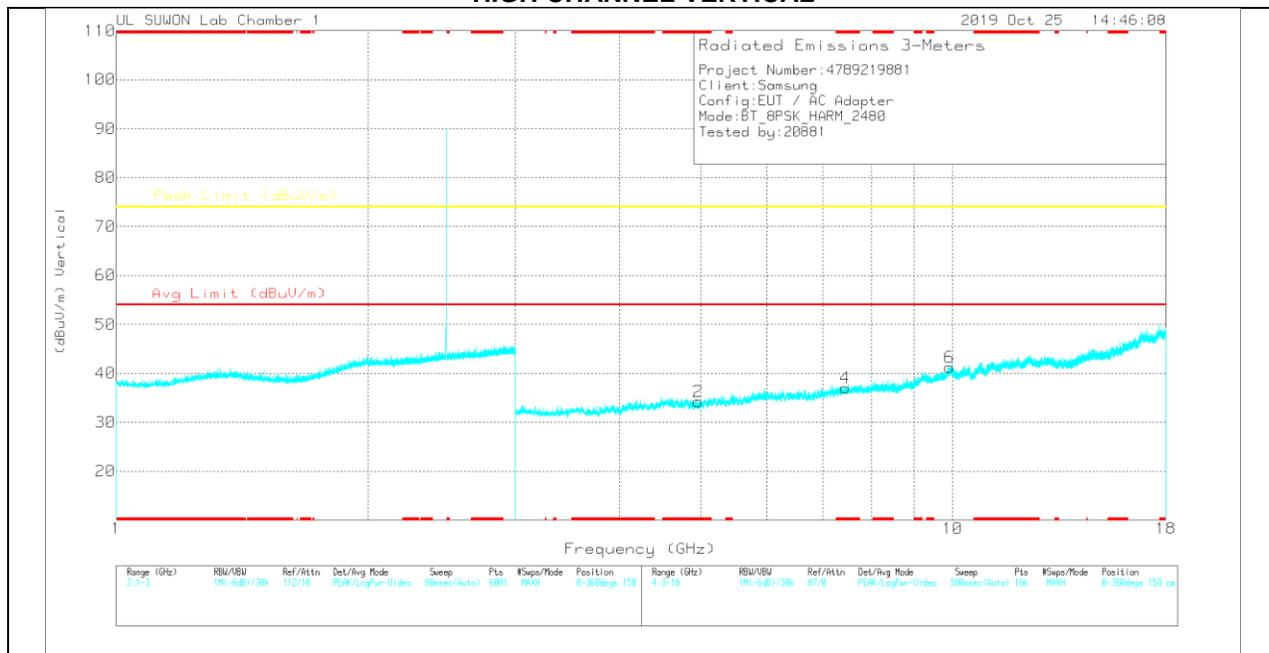


HIGH CHANNEL HORIZONTAL



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_00168717	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	* 4.98831	31.7	PK	34.2	-31.4	34.5	-	-	74	-39.5	0-360	250	H
3	* 7.43972	28.9	PK	35.8	-27.1	37.6	-	-	74	-36.4	0-360	150	H
5	9.92019	25.89	PK	37.5	-22.1	41.29	-	-	74	-32.71	0-360	250	H
2	* 4.96019	31.65	PK	34.2	-31.6	34.25	-	-	74	-39.75	0-360	150	V
4	* 7.4491	28.26	PK	35.8	-27	37.06	-	-	74	-36.94	0-360	250	V
6	9.923	25.65	PK	37.5	-21.9	41.25	-	-	74	-32.75	0-360	250	V

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

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.98778	39.39	PKFH	34.2	-31.4	42.19	-	-	74	-31.81	360	100	H
* 4.98779	38.7	PKFH	34.2	-31.4	41.5	-	-	74	-32.5	360	100	V
* 7.43999	36.23	PKFH	35.8	-27.1	44.93	-	-	74	-29.07	360	100	H
* 7.43822	36.08	PKFH	35.8	-27.2	44.68	-	-	74	-29.32	360	100	V
9.92178	32.14	PKFH	37.5	-22	47.64	-	-	74	-26.36	360	100	H
9.91896	31.69	PKFH	37.5	-22.1	47.09	-	-	74	-26.91	360	100	V

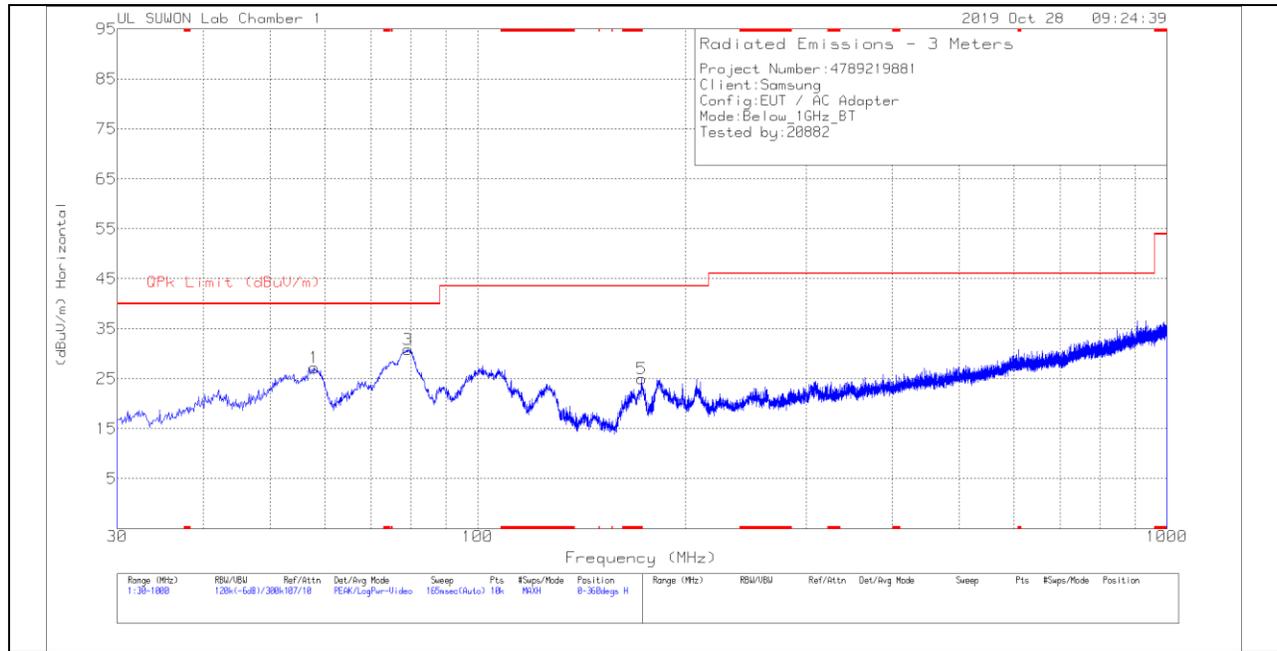
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak

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

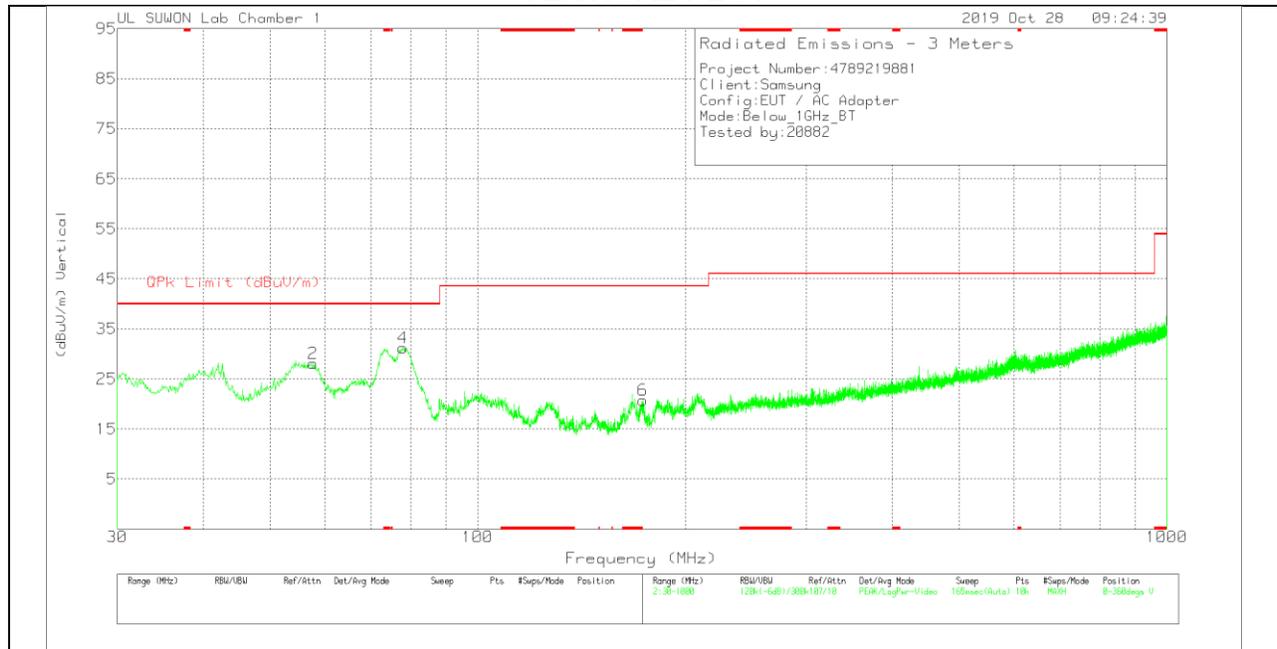
11.3. WORST-CASE BELOW 1 GHz

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_750	Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	57.936	37.69	Pk	18.9	-29.3	27.29	40	-12.71	0-360	400	H
3	79.179	47.28	Pk	12.6	-29	30.88	40	-9.12	0-360	200	H
5	* 172.881	37.86	Pk	14.9	-27.8	24.96	43.52	-18.56	0-360	100	H
2	57.742	38.55	Pk	18.9	-29.3	28.15	40	-11.85	0-360	300	V
4	77.821	47.65	Pk	12.7	-29.1	31.25	40	-8.75	0-360	200	V
6	173.657	33.44	Pk	15	-27.7	20.74	43.52	-22.78	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.

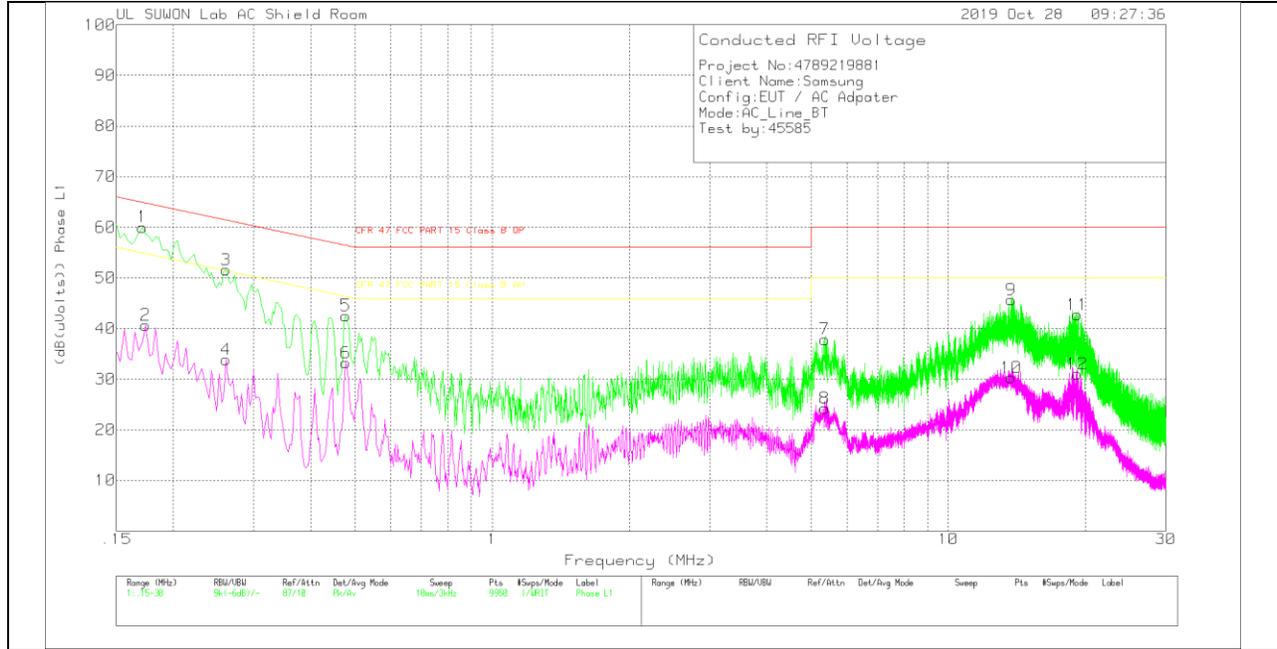
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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	101836_L1[dB]	CABLELOS S(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	.171	49.85	Pk	10	.2	60.05	64.91	-4.86	-	-
2	.174	30.5	Av	10	.2	40.7	-	-	54.77	-14.07
3	.261	41.84	Pk	9.6	.2	51.64	61.4	-9.76	-	-
4	.261	24.03	Av	9.6	.2	33.83	-	-	51.4	-17.57
5	.477	32.55	Pk	9.8	.2	42.55	56.39	-13.84	-	-
6	.477	23.22	Av	9.8	.2	33.22	-	-	46.39	-13.17
7	5.358	27.87	Pk	9.7	.3	37.87	60	-22.13	-	-
8	5.358	14.21	Av	9.7	.3	24.21	-	-	50	-25.79
9	13.749	35.64	Pk	9.7	.4	45.74	60	-14.26	-	-
10	13.746	20.23	Av	9.7	.4	30.33	-	-	50	-19.67
11	19.182	32.69	Pk	9.7	.4	42.79	60	-17.21	-	-
12	19.182	20.88	Av	9.7	.4	30.98	-	-	50	-19.02

Pk - Peak detector

Av - Average detection

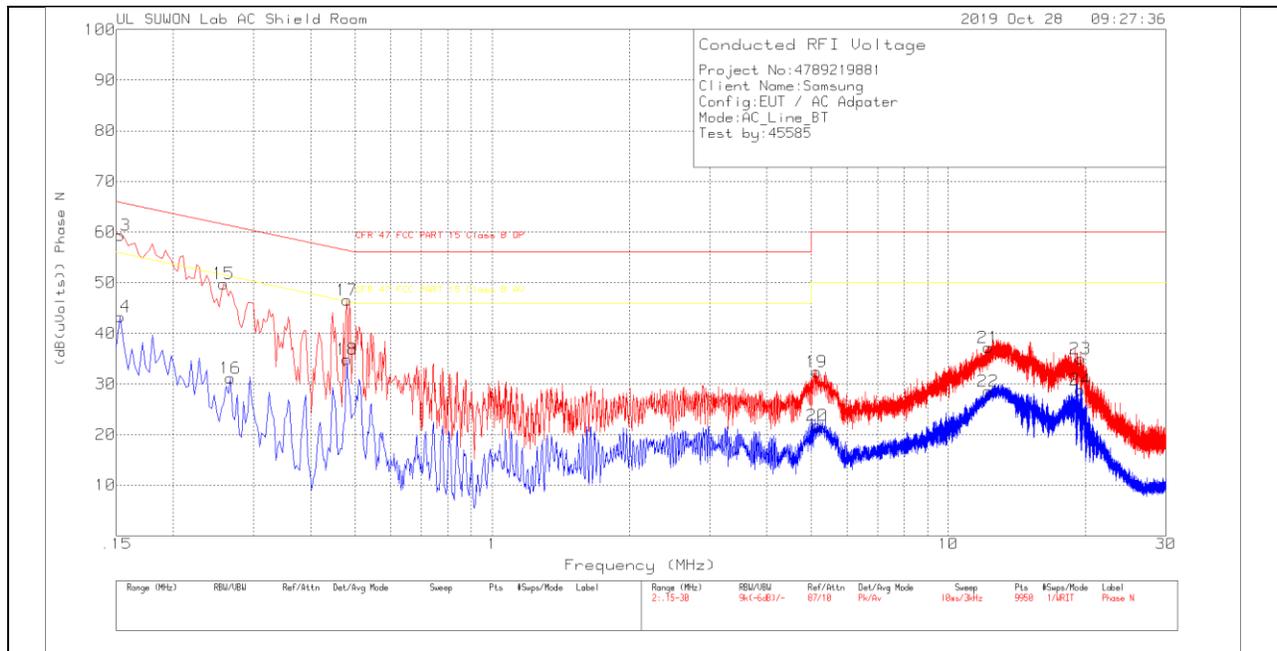
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_L1[dB]	CABLELOS S(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)
.17115	42.77	Qp	10	.2	52.97	64.9	-11.93	-	-
.17325	42.36	Qp	10	.2	52.56	64.8	-12.24	-	-
.26025	32.11	Qp	9.6	.2	41.91	61.42	-19.51	-	-
.47715	18.8	Qp	9.8	.2	28.8	56.39	-27.59	-	-

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_N[d B]	CABLELOS S(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	49.52	Pk	9.7	.1	59.32	65.84	-6.52	-	-
14	.153	33.49	Av	9.7	.1	43.29	-	-	55.84	-12.55
15	.258	40.02	Pk	9.6	.2	49.82	61.5	-11.68	-	-
16	.267	21.33	Av	9.6	.2	31.13	-	-	51.21	-20.08
17	.48	36.57	Pk	9.8	.2	46.57	56.34	-9.77	-	-
18	.48	24.9	Av	9.8	.2	34.9	-	-	46.34	-11.44
19	5.148	22.41	Pk	9.7	.3	32.41	60	-27.59	-	-
20	5.154	11.75	Av	9.7	.3	21.75	-	-	50	-28.25
21	12.237	27.17	Pk	9.7	.3	37.17	60	-22.83	-	-
22	12.243	18.59	Av	9.7	.3	28.59	-	-	50	-21.41
23	19.494	24.85	Pk	9.7	.4	34.95	60	-25.05	-	-
24	19.491	18.66	Av	9.7	.4	28.76	-	-	50	-21.24

Pk - Peak detector
 Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_N[d B]	CABLELOS S(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)
.15375	44.1	Qp	9.8	.1	54	65.79	-11.79	-	-
.25815	33.9	Qp	9.6	.2	43.7	61.49	-17.79	-	-
.26715	32.59	Qp	9.6	.2	42.39	61.21	-18.82	-	-
.47925	22.83	Qp	9.8	.2	32.83	56.35	-23.52	-	-

Qp - Quasi-Peak detector

END OF REPORT