

FCC PART 15 CLASS B

EMI MEASUREMENT AND TEST REPORT

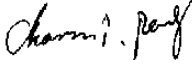

For

GMT Industrial Limited

Unit 1006, 10/F., Eastern Centre, 1065 King's Road, Quarry Bay

FCC ID: BSYKCL8806DT

February 22, 2006

This Report Concerns: <input checked="" type="checkbox"/> Original Report	Equipment Type: 7" CABLE READY LCD TV DIGITAL TUNE AM/FM STEREO RADIO WEATHERBAND RECEIVER
Test Engineer: Charmi Peng 	
Report Number: RSZ06011051	
Test Date: January 13- February 20, 2006	
Reviewed By: Chris Zeng 	
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Note: The test report is specially limited to the above company and this particular sample only. It may not be duplicated without prior written consent of Bay Area Compliance Lab Corp. (ShenZhen). This report **must not** be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government.

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GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

The *GMT Industrial Limited* 's product, model *KCL8806DT*, *yasaki-KCL8806DT*, *Yasaki-GM0019*, *GPX-KCL8806DT*, *Cutris-KCR2610* or the "EUT" as referred to in this report was a 7" CABLE READY LCD TV DIGITAL TUNE AM/FM STEREO RADIO WEATHERBAND RECEIVER which measures approximately 7 cm L x 32 cm W x 35 cm H, rated input voltage: AC 120 V/60 Hz.

Note: All modes are designed in the same circuit, size and appearance except they are in different model number and colour design.

** The test data gathered are from production sample, serial number: 0601107, provided by the manufacturer, we receive the EUT on 2006-1-10.*

Objective

The following test report is prepared on behalf of *GMT Industrial Limited* in accordance with Part 2, Subpart J, and Part 15, Subparts A and B of the Federal Communication Commissions rules.

The objective of the manufacturer is to determine compliance with FCC Part 15 Class B.

Related Submittal(s)/Grant(s)

No related submittal(s).

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2003, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All radiated and conducted emissions measurement was performed at Bay Area Compliance Lab Corp. (ShenZhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Test Facility

The Test site used by Bay Area Compliance Lab Corp. (ShenZhen) to collect test data is located in the 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone, ShenZhen, Guangdong 518038, P.R.China.

Test site at Bay Area Compliance Lab Corp. (ShenZhen) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on November 04, 2004. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2003.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 382179. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

Additionally, Bay Area Compliance Lab Corp. (ShenZhen) is a National Institute of Standards and Technology (NIST) accredited laboratory, under the National Voluntary Laboratory Accredited Program (Lab Code 200707-0). The current scope of accreditations can be found at <http://ts.nist.gov/ts/htdocs/210/214/scopes/2007070.htm>.

External I/O Cable

Cable Description	Length (m)	From/Port	To
Undetachable AC Power Cable	1.8	EUT	AC Power Source
Radio Antenna Cable	0.8	EUT	Audio Signal
Detachable AV Cable	1.5	EUT	Analog Load

SYSTEM TEST CONFIGURATION

Justification

The system was configured for testing in a typical fashion (as normally used by a typical user).

EUT Exercise Software

N/A.

Special Accessories

N/A.

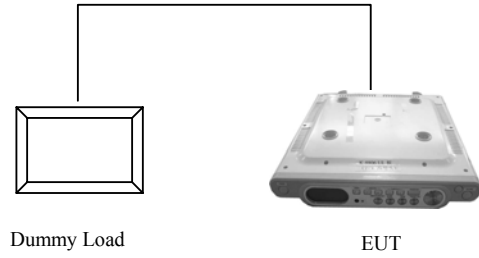
Block Diagram/Schematics

Please refer to the Exhibit C.

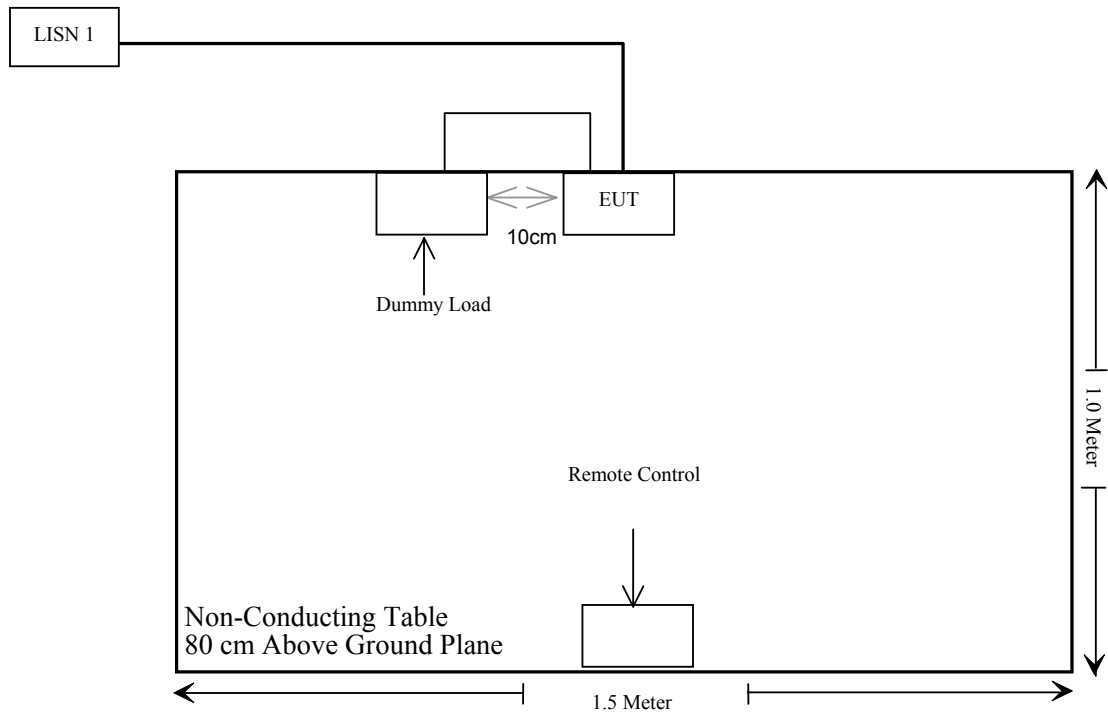
Equipment Modifications

Bay Area Compliance Lab Corp. (ShenZhen) has not done any modification on the EUT.

Configuration of Test Setup



Block Diagram of Test Setup



SUMMARY OF TEST REPORT

RULE	DESCRIPTION	RESULTS
§15.107	Conducted Emissions	Compliant
§15.111	Antenna Power Conducted Emissions	Compliant
§15.109	Radiated Emissions	Compliant*
§15.33	Frequency of Investigation	Compliant
§15.27	Special Accessories	Compliant

* Within measurement uncertainty.

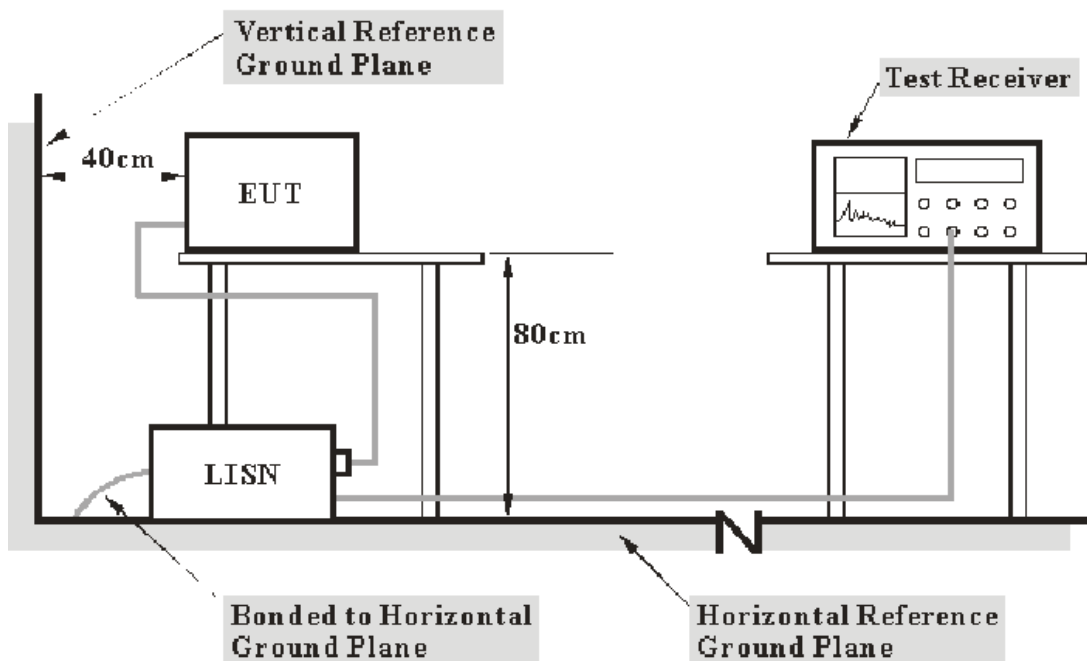
§15.107 - CONDUCTED EMISSION

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement at Bay Area Compliance Lab Corp. (ShenZhen) is ± 2.4 dB.

EUT Setup



- Note:**
1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC Part 15 Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

The EUT was connected to a 120 VAC/60 Hz power source.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

<i>Frequency Range</i>	<i>IF B/W</i>
150 kHz – 30 MHz	9 kHz

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Com-Power	L.I.S.N.	LI-200	12005	N/A	N/A
Com-Power	L.I.S.N.	LI-200	12008	N/A	N/A
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2005-8-17	2006-8-17
Rohde & Schwarz	L.I.S.N.	ESH2-Z5	892107/021	2005-2-28	2006-2-28

* Com-Power's LISN were used as the supporting equipment.

* **Statement of Traceability:** Bay Area Compliance Lab Corp. (ShenZhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

During the conducted emission test, the EUT was connected to the outlet of the LISN.

Maximizing procedure were performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15 Class B, with the worst margin reading of:

FM 108 MHz: -8.45 dB at 25.95 MHz in the **Neutral** conductor mode.
FM 98 MHz: -8.00 dB at 25.730 MHz in the **Neutral** conductor mode.
FM 88 MHz: -10.01 dB at 26.906 MHz in the **Neutral** conductor mode.
TV Channel 2: -5.72 dB at 29.114 MHz in the **Neutral** conductor mode.
TV Channel 7: -6.14 dB at 29.114 MHz in the **Neutral** conductor mode.
TV Channel 9: -6.17 dB at 29.114 MHz in the **Neutral** conductor mode.
TV Channel 13: -5.98 dB at 29.114 MHz in the **Neutral** conductor mode.
TV Channel 14: -5.92 dB at 29.114 MHz in the **Neutral** conductor mode.
TV Channel 69: -5.87 dB at 29.114 MHz in the **Neutral** conductor mode.
Weather Band: -21.56 dB at 0.354 MHz in the **Neutral** conductor mode.

Test Data**Environmental Conditions**

Temperature:	25 ° C
Relative Humidity:	55%
ATM Pressure:	1000mbar

The testing was performed by Charmi Peng on 2006-1-17, 2006-1-27.

Test Mode: FM 108 MHz

Frequency MHz	LINE CONDUCTED EMISSIONS			FCC PART 15 CLASS B	
	Amplitude dB μ V	Detector QP/AV	Phase Line/Neutral	Limit dB μ V	Margin dB
25.950	51.6	QP	Neutral	60.00	-8.45
26.318	51.3	QP	Neutral	60.00	-8.75
26.318	29.4	AV	Neutral	50.00	-20.59
11.174	37.2	QP	Neutral	60.00	-22.84
3.562	32.6	QP	Neutral	56.00	-23.40
19.602	36.4	QP	Neutral	60.00	-23.64
0.694	21.7	AV	Line	46.00	-24.27
25.950	25.3	AV	Neutral	50.00	-24.72
3.826	31.1	QP	Neutral	56.00	-24.89
0.694	21.1	AV	Line	46.00	-24.92
0.354	33.8	QP	Line	58.87	-25.08
0.694	30.6	QP	Line	56.00	-25.44
0.354	23.4	AV	Line	48.87	-25.45
0.694	30.5	QP	Line	56.00	-25.51
0.354	33.3	QP	Line	58.87	-25.55
0.354	22.5	AV	Line	48.87	-26.34
0.150	39.2	QP	Line	66.00	-26.77
3.826	14.0	AV	Neutral	46.00	-31.97
0.162	23.1	AV	Line	55.36	-32.25
0.150	22.8	AV	Line	56.00	-33.16
19.602	16.3	AV	Neutral	50.00	-33.75
11.174	15.6	AV	Neutral	50.00	-34.37
3.562	10.7	AV	Neutral	46.00	-35.27
0.162	29.9	QP	Line	65.36	-35.51

Test Mode: FM 98 MHz

Frequency MHz	LINE CONDUCTED EMISSIONS			FCC PART 15 CLASS B	
	Amplitude dB μ V	Detector QP/AV	Phase Line/Neutral	Limit dB μ V	Margin dB
25.730	52.0	QP	Neutral	60.00	-8.00
25.438	49.2	QP	Neutral	60.00	-10.82
25.730	34.9	AV	Neutral	50.00	-15.11
3.682	38.6	QP	Line	56.00	-17.39
25.438	29.6	AV	Neutral	50.00	-20.44
10.966	39.5	QP	Neutral	60.00	-20.50
19.406	38.6	QP	Neutral	60.00	-21.40
0.150	44.5	QP	Line	66.00	-21.50
3.598	34.3	QP	Neutral	56.00	-21.73
11.154	37.9	QP	Neutral	60.00	-22.15
0.706	22.8	AV	Line	46.00	-23.25
0.706	32.4	QP	Line	56.00	-23.59
0.354	34.5	QP	Line	58.87	-24.39
0.354	24.0	AV	Line	48.87	-24.88
19.406	23.4	AV	Neutral	50.00	-26.61
0.690	19.2	AV	Line	46.00	-26.78
0.690	28.3	QP	Line	56.00	-27.74
3.598	16.0	AV	Neutral	46.00	-30.03
0.150	34.6	QP	Line	66.00	-31.43
0.150	24.5	AV	Line	56.00	-31.50
3.682	13.6	AV	Line	46.00	-32.42
11.154	15.3	AV	Neutral	50.00	-34.75
0.150	20.7	AV	Line	56.00	-35.27
10.966	14.4	AV	Neutral	50.00	-35.63

Test Mode: FM 88 MHz

Frequency MHz	LINE CONDUCTED EMISSIONS			FCC PART 15 CLASS B	
	Amplitude dB μ V	Detector QP/AV	Phase Line/Neutral	Limit dB μ V	Margin dB
26.906	50.0	QP	Neutral	60.00	-10.01
25.354	47.5	QP	Neutral	60.00	-12.49
26.906	35.1	AV	Neutral	50.00	-14.93
0.150	43.5	QP	Line	66.00	-22.49
11.178	37.2	QP	Neutral	60.00	-22.77
0.694	23.0	AV	Line	46.00	-23.01
0.694	32.6	QP	Line	56.00	-23.40
3.146	32.1	QP	Neutral	56.00	-23.92
6.058	34.9	QP	Neutral	60.00	-25.08
0.354	33.5	QP	Line	58.87	-25.37
11.838	34.6	QP	Neutral	60.00	-25.38
0.694	20.0	AV	Line	46.00	-26.04
25.354	23.8	AV	Neutral	50.00	-26.21
0.694	28.3	QP	Line	56.00	-27.68
0.354	30.7	QP	Line	58.87	-28.17
0.354	20.5	AV	Line	48.87	-28.33
0.150	24.6	AV	Line	56.00	-31.37
0.162	23.5	AV	Line	55.36	-31.82
11.178	16.3	AV	Neutral	50.00	-33.66
0.162	31.2	QP	Line	65.36	-34.20
11.838	13.9	AV	Neutral	50.00	-36.13
3.146	9.1	AV	Neutral	46.00	-36.88
6.058	12.3	AV	Neutral	50.00	-37.67
0.354	2.3	AV	Line	48.87	-46.59

Test Mode: TV Channel 2

Frequency MHz	LINE CONDUCTED EMISSIONS			FCC PART 15 CLASS B	
	Amplitude dB μ V	Detector QP/AV	Phase Line/Neutral	Limit dB μ V	Margin dB
29.114	44.3	AV	Neutral	50.00	-5.72
29.114	43.1	AV	Neutral	50.00	-6.91
0.634	36.1	AV	Line	46.00	-9.86
1.214	35.8	AV	Neutral	46.00	-10.19
1.210	34.5	AV	Neutral	46.00	-11.51
0.634	34.5	AV	Line	46.00	-11.53
0.174	40.6	AV	Line	54.77	-14.15
0.174	40.1	AV	Line	54.77	-14.69
29.114	45.1	QP	Neutral	60.00	-14.87
29.114	44.0	QP	Neutral	60.00	-16.04
0.634	37.9	QP	Line	56.00	-18.09
1.214	37.6	QP	Neutral	56.00	-18.38
0.634	35.9	QP	Line	56.00	-20.07
1.210	35.9	QP	Neutral	56.00	-20.12
0.342	38.1	QP	Line	59.15	-21.10
0.346	27.9	AV	Line	49.06	-21.17
0.342	27.8	AV	Line	49.15	-21.31
0.174	43.4	QP	Line	64.77	-21.36
0.174	42.6	QP	Line	64.77	-22.16
2.478	23.7	AV	Neutral	46.00	-22.35
0.346	36.5	QP	Line	59.06	-22.57
3.928	30.2	QP	Neutral	56.00	-25.83
2.478	28.3	QP	Neutral	56.00	-27.71
3.928	16.2	AV	Neutral	46.00	-29.84

Test Mode: TV Channel 7

Frequency MHz	LINE CONDUCTED EMISSIONS			FCC PART 15 CLASS B	
	Amplitude dB μ V	Detector QP/AV	Phase Line/Neutral	Limit dB μ V	Margin dB
29.114	43.9	AV	Neutral	50.00	-6.14
29.114	42.9	AV	Neutral	50.00	-7.10
1.210	36.5	AV	Neutral	46.00	-9.49
0.634	36.1	AV	Line	46.00	-9.86
1.210	35.1	AV	Neutral	46.00	-10.93
0.174	40.7	AV	Line	54.77	-14.05
0.174	40.6	AV	Line	54.77	-14.15
0.354	43.7	QP	Line	58.87	-15.17
0.354	33.7	AV	Line	48.87	-15.21
29.114	44.7	QP	Neutral	60.00	-15.27
0.586	40.2	QP	Neutral	56.00	-15.81
29.114	43.8	QP	Neutral	60.00	-16.24
0.522	29.3	AV	Line	46.00	-16.71
1.210	39.0	QP	Neutral	56.00	-16.97
1.326	28.9	AV	Neutral	46.00	-17.13
0.522	38.6	QP	Line	56.00	-17.37
0.354	40.6	QP	Line	58.87	-18.25
0.634	37.6	QP	Line	56.00	-18.38
1.210	37.1	QP	Neutral	56.00	-18.94
0.586	26.8	AV	Neutral	46.00	-19.24
0.174	44.6	QP	Line	64.77	-20.22
0.354	28.1	AV	Line	48.87	-20.78
0.174	43.5	QP	Line	64.77	-21.27
1.326	32.6	QP	Neutral	56.00	-23.40

Test Mode: TV Channel 9

Frequency MHz	LINE CONDUCTED EMISSIONS			FCC PART 15 CLASS B	
	Amplitude dB μ V	Detector QP/AV	Phase Line/Neutral	Limit dB μ V	Margin dB
29.114	43.8	AV	Line	50.00	-6.17
29.114	42.8	AV	Line	50.00	-7.16
1.210	36.4	AV	Line	46.00	-9.65
0.634	36.2	AV	Neutral	46.00	-9.85
1.210	35.1	AV	Line	46.00	-10.86
0.634	34.4	AV	Neutral	46.00	-11.62
0.174	41.1	AV	Neutral	54.77	-13.71
0.174	40.8	AV	Neutral	54.77	-13.95
0.354	33.2	AV	Neutral	48.87	-15.63
0.354	43.2	QP	Neutral	58.87	-15.67
29.114	43.8	QP	Line	60.00	-16.19
0.354	42.1	QP	Neutral	58.87	-16.77
0.354	31.9	AV	Neutral	48.87	-17.01
0.634	38.7	QP	Neutral	56.00	-17.32
1.210	38.4	QP	Line	56.00	-17.59
0.634	37.9	QP	Neutral	56.00	-18.11
1.210	36.9	QP	Line	56.00	-19.10
0.174	45.3	QP	Neutral	64.77	-19.44
0.174	44.3	QP	Neutral	64.77	-20.44
4.034	31.9	QP	Line	56.00	-24.08
4.798	31.5	QP	Line	56.00	-24.53
4.798	19.4	AV	Line	46.00	-26.62
4.034	17.5	AV	Line	46.00	-28.48
29.114	29.1	QP	Line	60.00	-30.89

Test Mode: TV Channel 13

Frequency MHz	LINE CONDUCTED EMISSIONS			FCC PART 15 CLASS B	
	Amplitude dB μ V	Detector QP/AV	Phase Line/Neutral	Limit dB μ V	Margin dB
29.114	44.0	AV	Neutral	50.00	-5.98
29.114	43.1	AV	Neutral	50.00	-6.88
0.634	36.1	AV	Line	46.00	-9.95
1.214	35.7	AV	Neutral	46.00	-10.26
1.210	35.2	AV	Neutral	46.00	-10.84
0.634	34.3	AV	Line	46.00	-11.66
0.174	41.4	AV	Line	54.77	-13.38
0.174	40.7	AV	Line	54.77	-14.07
29.114	44.9	QP	Neutral	60.00	-15.14
29.114	44.0	QP	Neutral	60.00	-16.04
0.634	38.9	QP	Line	56.00	-17.12
1.214	38.6	QP	Neutral	56.00	-17.41
1.210	37.2	QP	Neutral	56.00	-18.78
2.482	26.0	AV	Neutral	46.00	-19.99
0.634	35.8	QP	Line	56.00	-20.23
0.354	38.3	QP	Line	58.87	-20.54
0.354	28.2	AV	Line	48.87	-20.68
0.174	43.5	QP	Line	64.77	-21.24
2.482	24.5	AV	Neutral	46.00	-21.47
0.346	27.4	AV	Line	49.06	-21.69
0.174	42.9	QP	Line	64.77	-21.86
0.346	35.2	QP	Line	59.06	-23.86
2.482	29.6	QP	Neutral	56.00	-26.37
2.482	28.7	QP	Neutral	56.00	-27.32

Test Mode: TV Channel 14

Frequency MHz	LINE CONDUCTED EMISSIONS			FCC PART 15 CLASS B	
	Amplitude dB μ V	Detector QP/AV	Phase Line/Neutral	Limit dB μ V	Margin dB
29.114	44.1	AV	Neutral	50.00	-5.92
29.114	43.1	AV	Neutral	50.00	-6.87
1.214	37	AV	Neutral	46.00	-9.00
0.614	36.2	AV	Line	46.00	-9.79
0.418	37	AV	Line	47.49	-10.48
1.214	35.4	AV	Neutral	46.00	-10.64
0.634	34.2	AV	Neutral	46.00	-11.77
0.174	41.2	AV	Line	54.77	-13.53
0.174	40.8	AV	Line	54.77	-13.93
29.114	45.1	QP	Neutral	60.00	-14.89
0.418	42.2	QP	Line	57.49	-15.33
29.114	44	QP	Neutral	60.00	-16.03
0.294	33.6	AV	Line	50.41	-16.84
0.294	42.9	QP	Line	60.41	-17.55
0.614	37.6	QP	Line	56.00	-18.41
1.214	37.2	QP	Neutral	56.00	-18.78
0.174	44.6	QP	Line	64.77	-20.18
0.634	35.6	QP	Neutral	56.00	-20.37
0.346	28.2	AV	Line	49.06	-20.88
0.174	43.2	QP	Line	64.77	-21.56
0.346	36.2	QP	Line	59.06	-22.87
1.214	28.9	QP	Neutral	56.00	-27.12
12.418	32.4	QP	Neutral	60.00	-27.58
12.418	10.9	AV	Neutral	50.00	-39.10

Test Mode: TV Channel 69

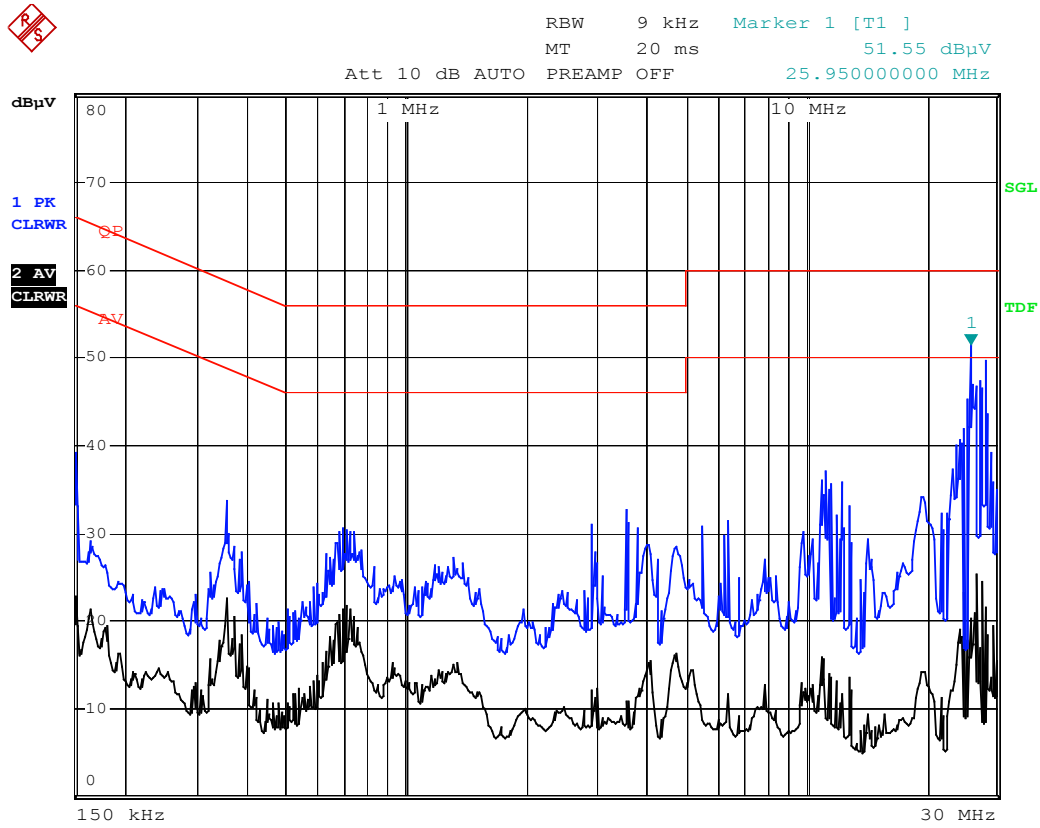
Frequency MHz	LINE CONDUCTED EMISSIONS			FCC PART 15 CLASS B	
	Amplitude dB μ V	Detector QP/AV	Phase Line/Neutral	Limit dB μ V	Margin dB
29.114	44.1	AV	Neutral	50.00	-5.87
29.114	43.1	AV	Neutral	50.00	-6.87
1.214	37.3	AV	Neutral	46.00	-8.73
0.634	36.3	AV	Neutral	46.00	-9.69
1.214	36.0	AV	Neutral	46.00	-9.99
0.634	34.4	AV	Line	46.00	-11.62
0.174	41.3	AV	Line	54.77	-13.47
0.174	41.0	AV	Line	54.77	-13.80
0.518	31.8	AV	Line	46.00	-14.21
29.114	45.0	QP	Neutral	60.00	-15.04
29.114	44.0	QP	Neutral	60.00	-15.99
1.214	38.9	QP	Neutral	56.00	-17.07
0.634	37.8	QP	Neutral	56.00	-18.19
1.214	37.3	QP	Neutral	56.00	-18.69
0.634	36.4	QP	Line	56.00	-19.65
0.346	28.6	AV	Line	49.06	-20.51
0.174	43.9	QP	Line	64.77	-20.87
2.482	25.0	AV	Neutral	46.00	-20.96
0.174	43.2	QP	Line	64.77	-21.54
0.346	37.2	QP	Line	59.06	-21.82
0.518	33.6	QP	Line	56.00	-22.45
0.350	25.7	AV	Line	48.96	-23.22
0.350	35.3	QP	Line	58.96	-23.63
2.482	29.1	QP	Neutral	56.00	-26.89

Test Mode: Weather Band

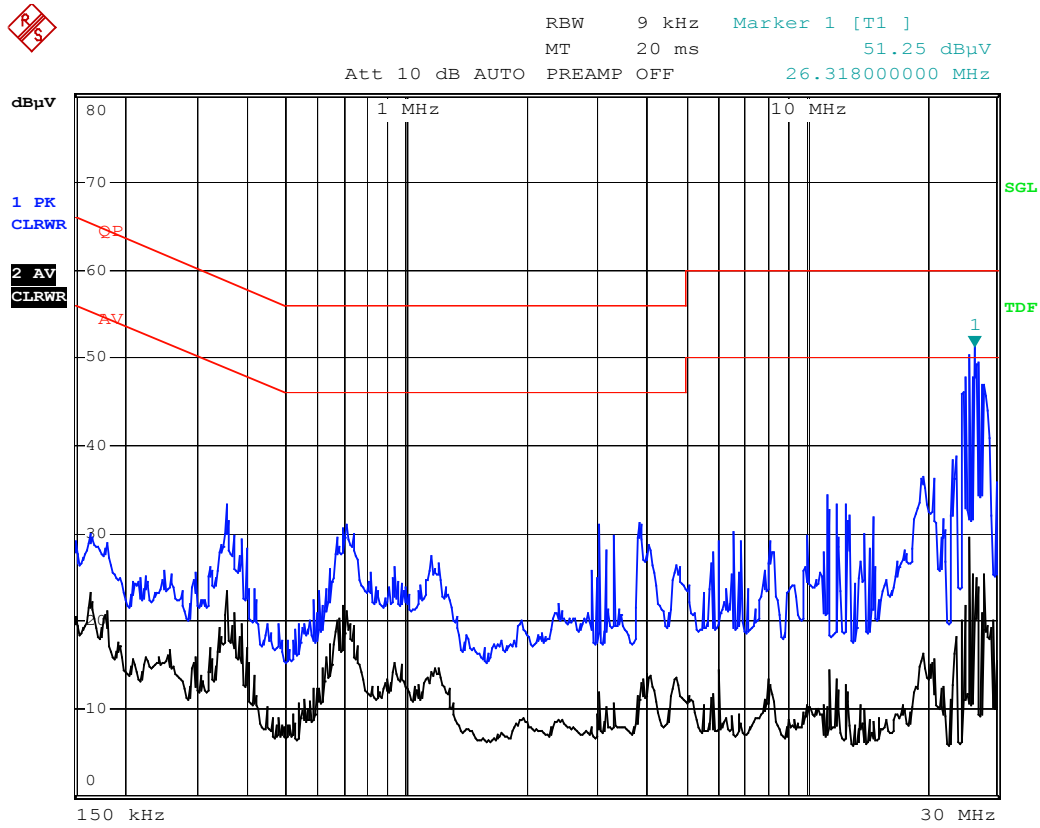
Frequency MHz	LINE CONDUCTED EMISSIONS			FCC PART 15 CLASS B	
	Amplitude dB μ V	Detector QP/AV	Phase Line/Neutral	Limit dB μ V	Margin dB
0.354	27.3	AV	Neutral	48.87	-21.56
0.354	36.7	QP	Neutral	58.87	-22.21
0.354	36.0	QP	Neutral	58.87	-22.90
0.354	24.9	AV	Neutral	48.87	-23.93
0.150	41.7	QP	Neutral	66.00	-24.26
3.974	29.2	QP	Line	56.00	-26.80
0.254	24.8	AV	Neutral	51.63	-26.82
0.254	34.1	QP	Neutral	61.63	-27.52
0.938	27.9	QP	Neutral	56.00	-28.08
1.238	27.1	QP	Line	56.00	-28.93
1.230	26.7	QP	Line	56.00	-29.33
4.778	26.3	QP	Line	56.00	-29.74
0.678	26.2	QP	Neutral	56.00	-29.79
0.150	25.7	AV	Neutral	56.00	-30.35
0.938	15.6	AV	Neutral	46.00	-30.44
3.974	15.5	AV	Line	46.00	-30.49
1.230	15.4	AV	Line	46.00	-30.65
0.678	15.2	AV	Neutral	46.00	-30.79
4.778	14.9	AV	Line	46.00	-31.15
10.274	28.2	QP	Line	60.00	-31.78
1.238	13.4	AV	Line	46.00	-32.56
10.894	27.0	QP	Line	60.00	-33.03
10.274	12.1	AV	Line	50.00	-37.94
10.894	11.2	AV	Line	50.00	-38.82

Plot(s) of Test Data

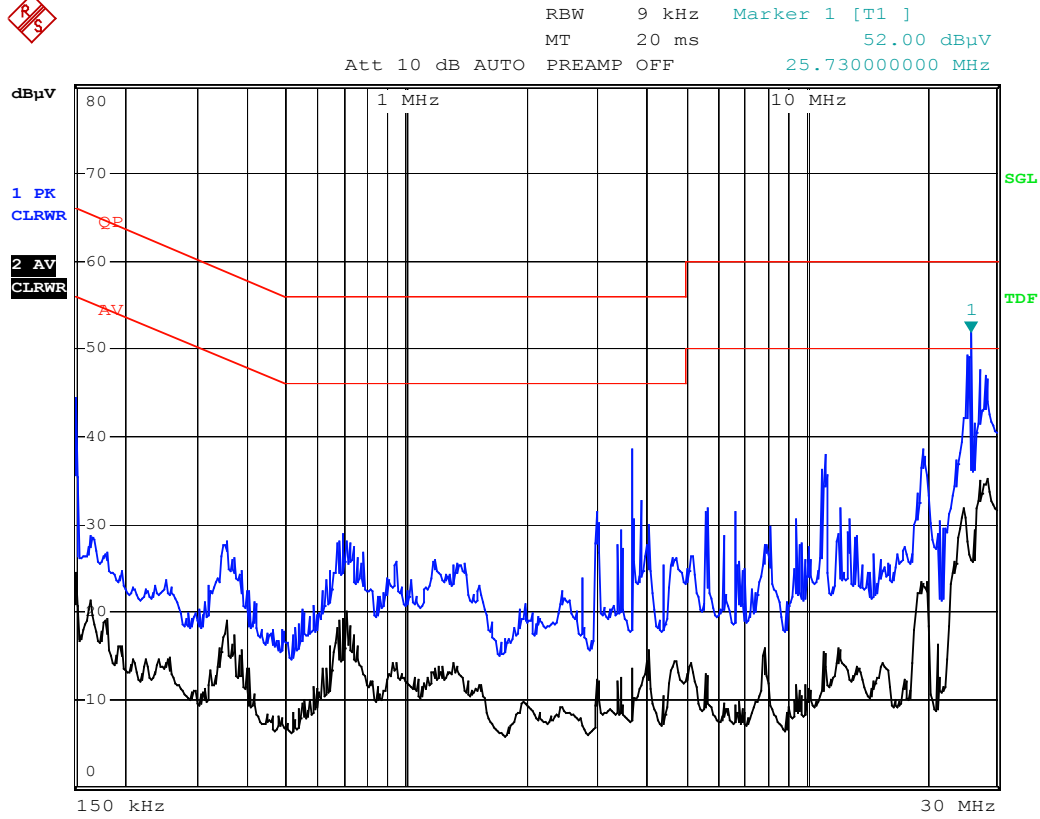
Plot(s) of Test Data is presented hereinafter as reference.



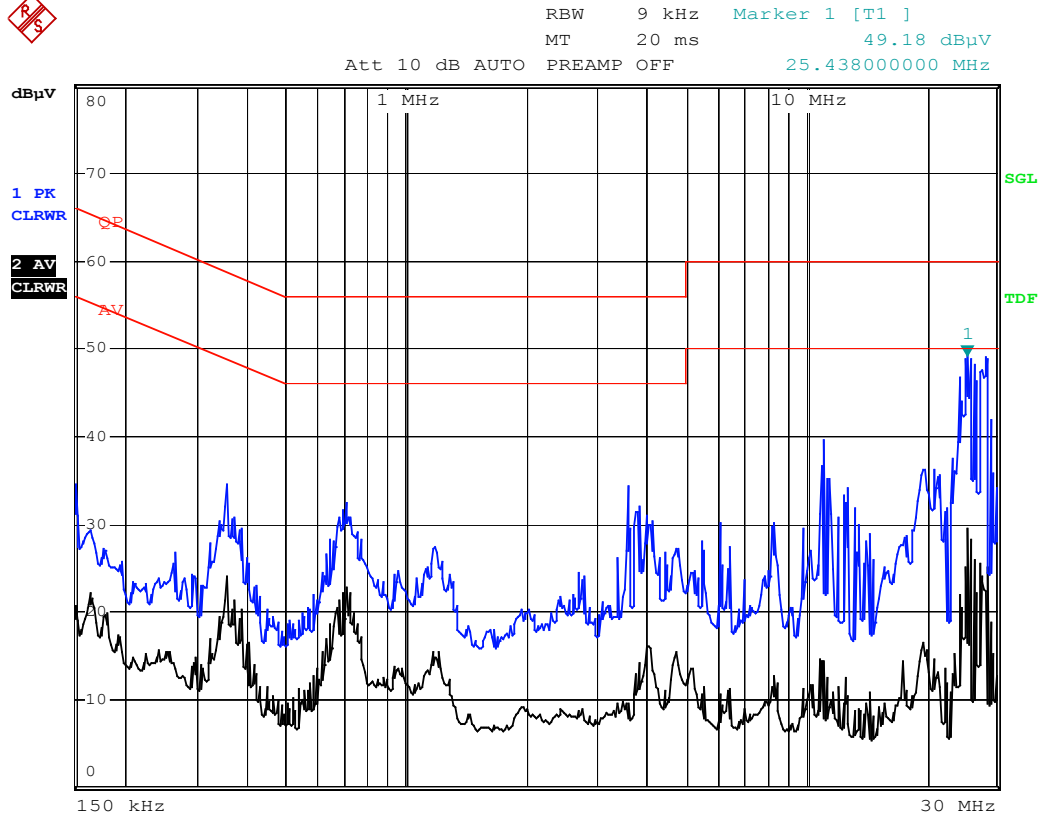
CMA 7" Cable ready LCD TV digital tune AM/FM stereo radio we
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Date: 13.JAN.2006 10:06:53



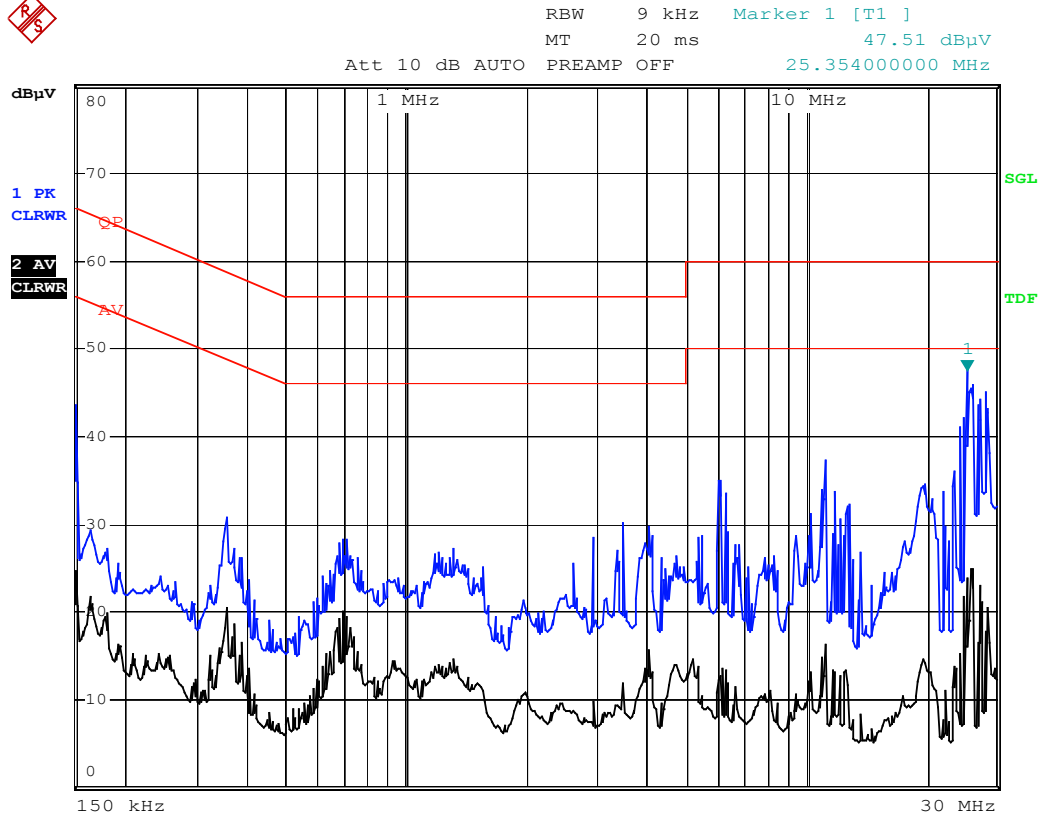
CMA 7" Cable ready LCD TV digital tune AM/FM stereo radio we
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Date: 13.JAN.2006 10:02:02



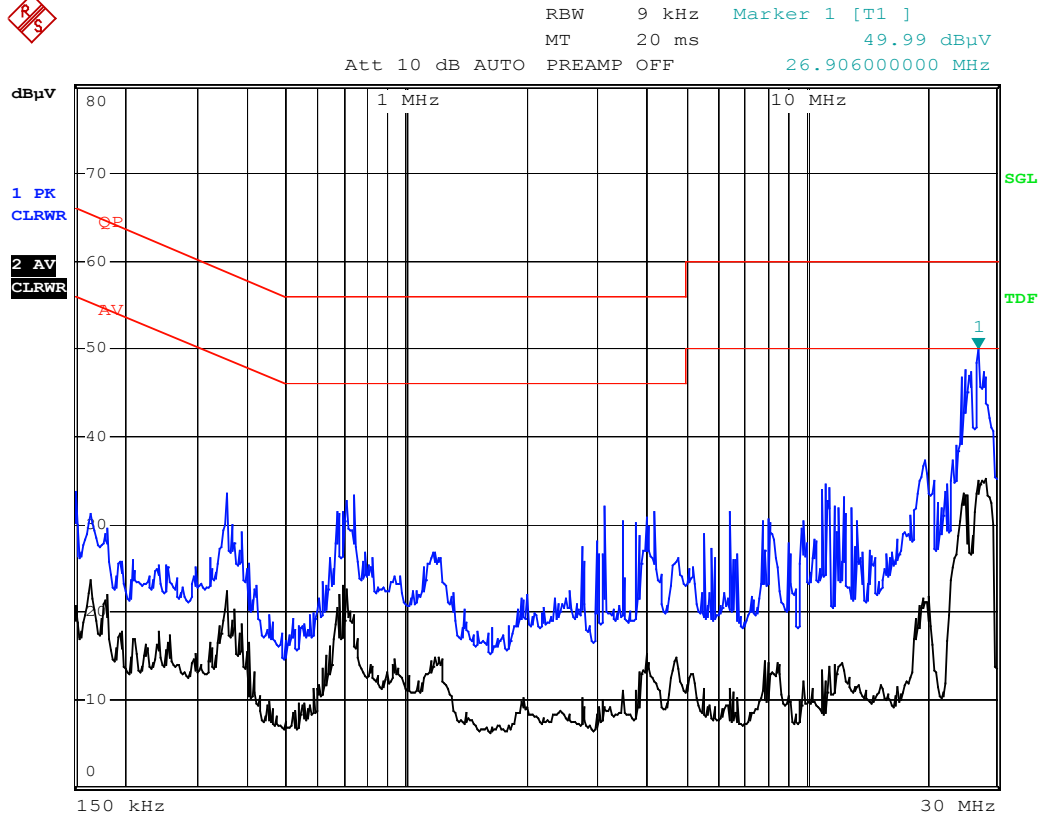
CMA 7" Cable ready LCD TV digital tune AM/FM stereo radio we
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Date: 13.JAN.2006 09:48:07



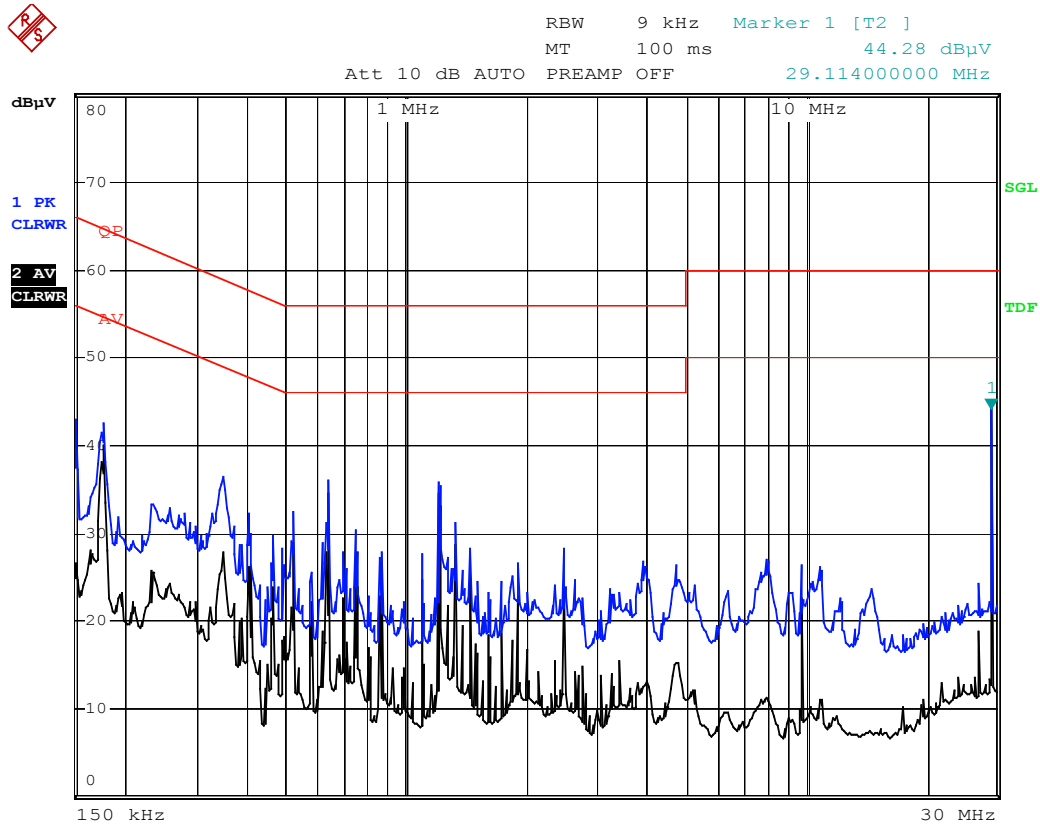
CMA 7" Cable ready LCD TV digital tune AM/FM stereo radio we
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Date: 13.JAN.2006 09:53:57



CMA 7" Cable ready LCD TV digital tune AM/FM stereo radio we
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Date: 13.JAN.2006 09:11:52



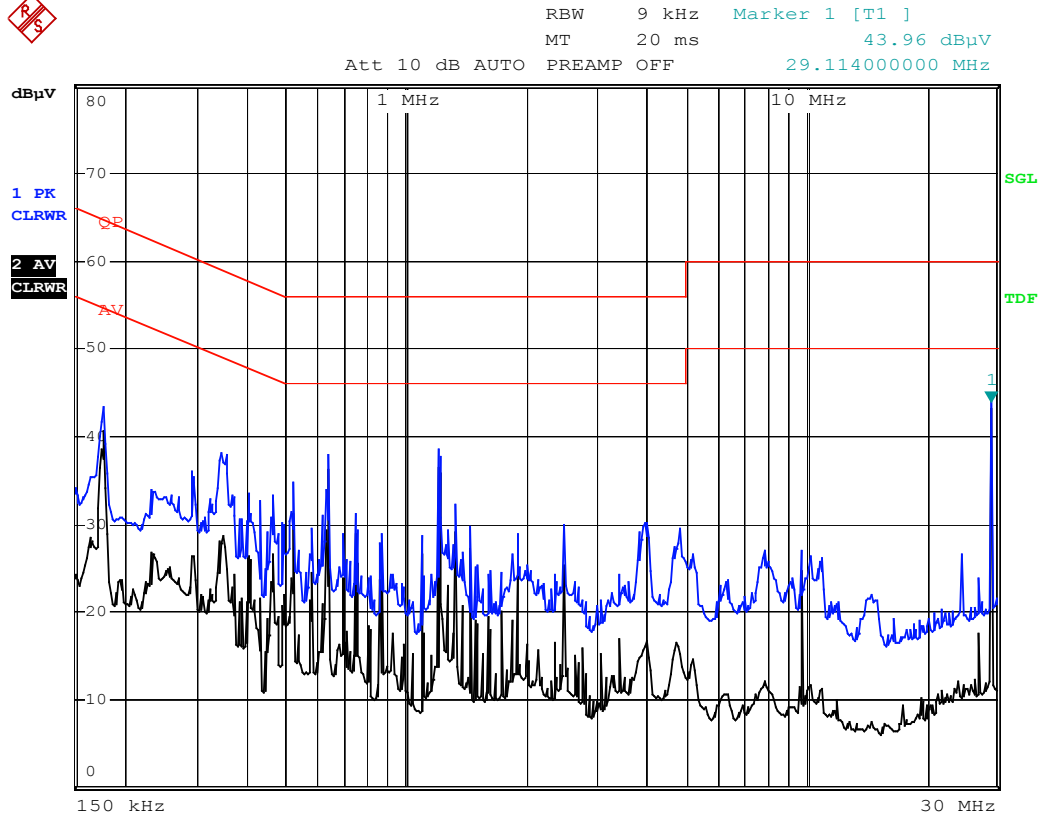
CMA 7" Cable ready LCD TV digital tune AM/FM stereo radio we
atherband receiver M/N:KCL8806DT Conduction FM88 N
Date: 13.JAN.2006 09:06:48



CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT TV Channel 2 L

Date: 27.JAN.2006 08:17:35



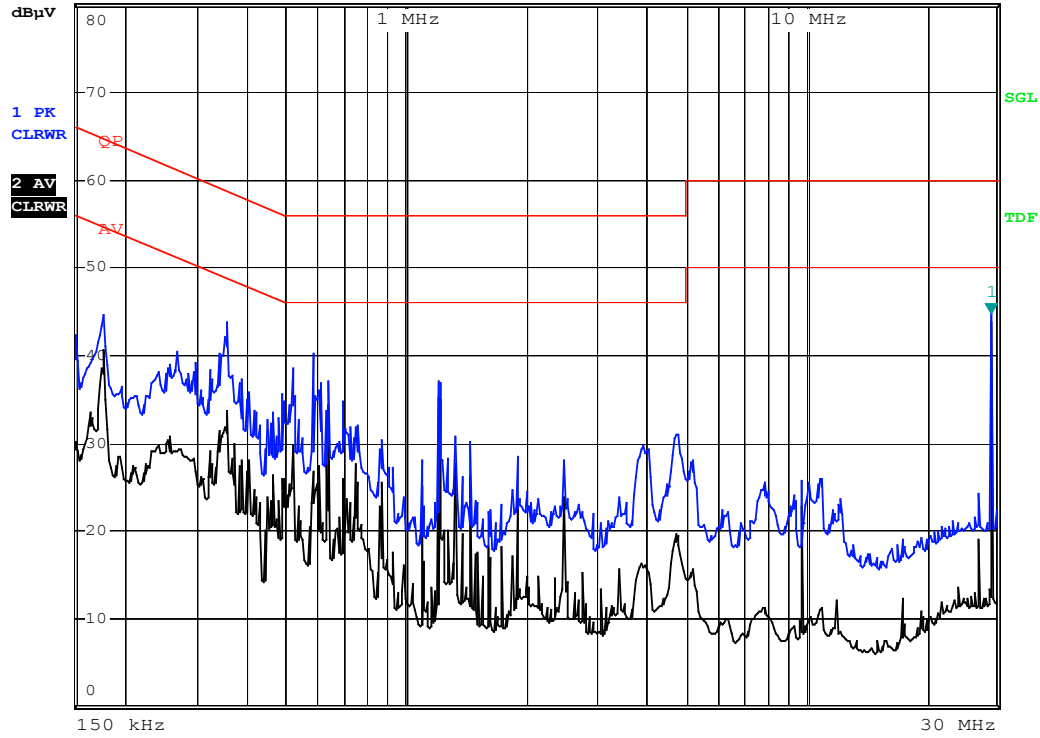
CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT TV Channel 2 N

Date: 27.JAN.2006 08:23:11



RBW 9 kHz Marker 1 [T1]
MT 20 ms 44.73 dBμV
Att 10 dB AUTO PREAMP OFF 29.11400000 MHz



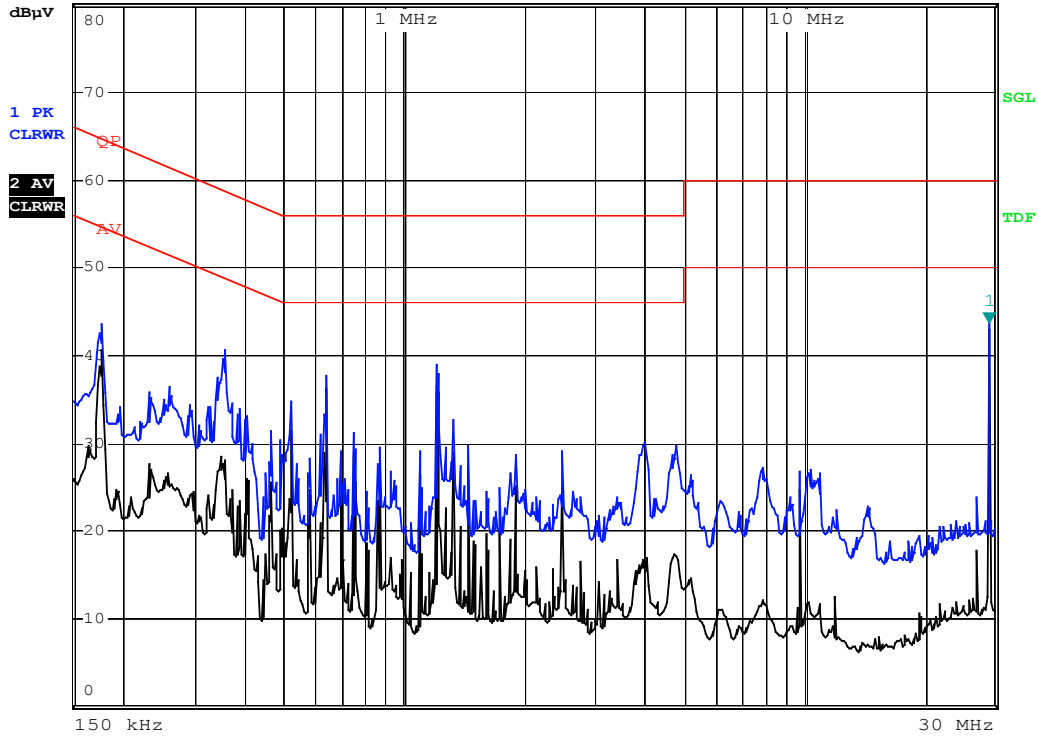
CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT TV Channel 7 L

Date: 27.JAN.2006 08:32:42



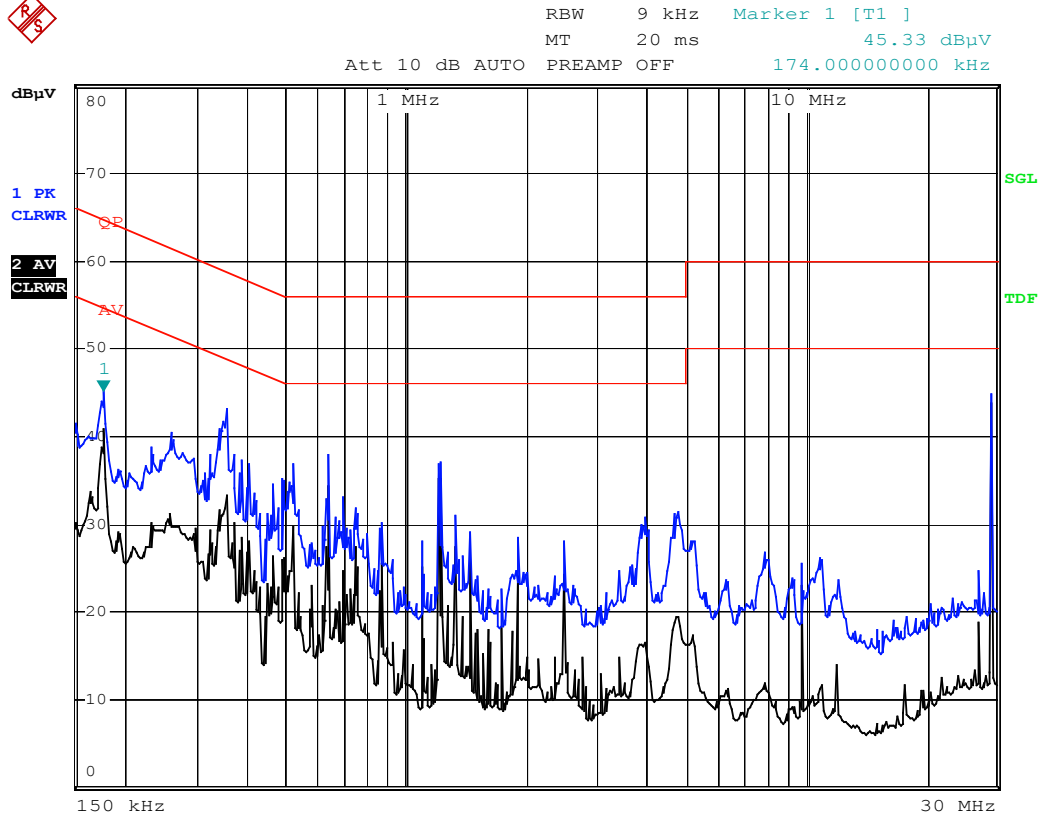
RBW 9 kHz Marker 1 [T1]
MT 20 ms 43.76 dBμV
Att 10 dB AUTO PREAMP OFF 29.11400000 MHz



CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT TV Channel 7 N

Date: 27.JAN.2006 08:28:04



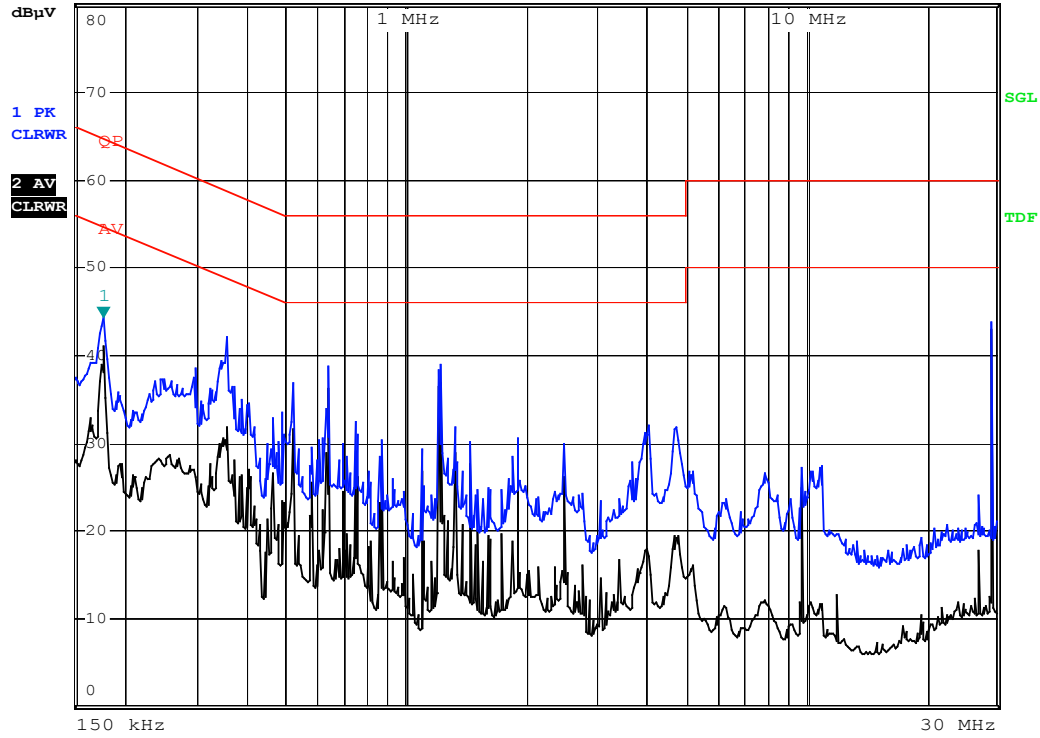
CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT TV Channel 9 L

Date: 27.JAN.2006 08:37:43



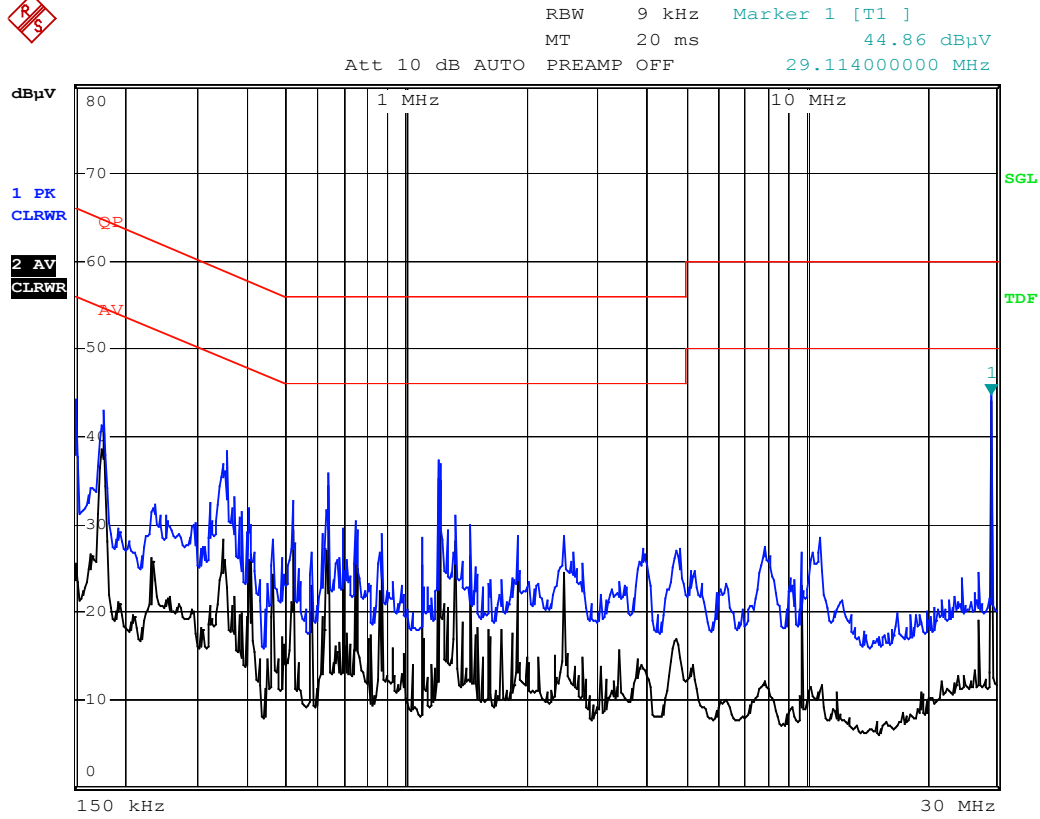
RBW 9 kHz Marker 1 [T1]
MT 20 ms 44.33 dBμV
Att 10 dB AUTO PREAMP OFF 174.00000000 kHz



CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT TV Channel 9 N

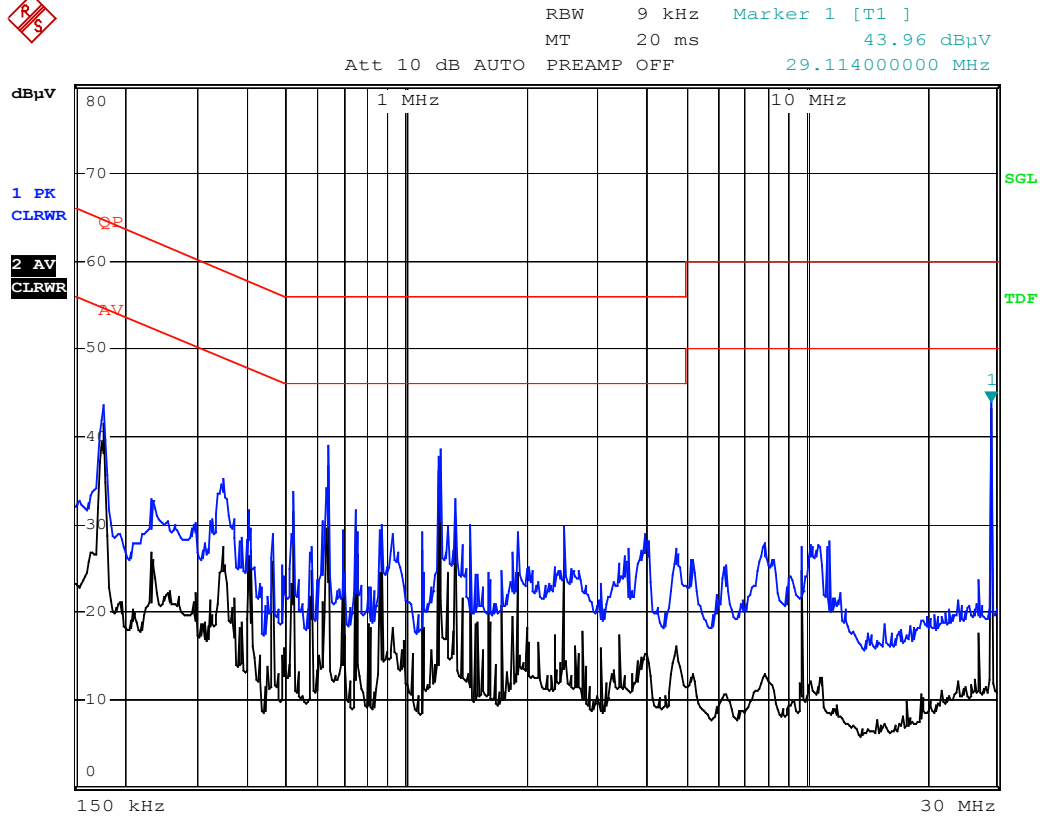
Date: 27.JAN.2006 08:42:22



CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT TV Channel 13 L

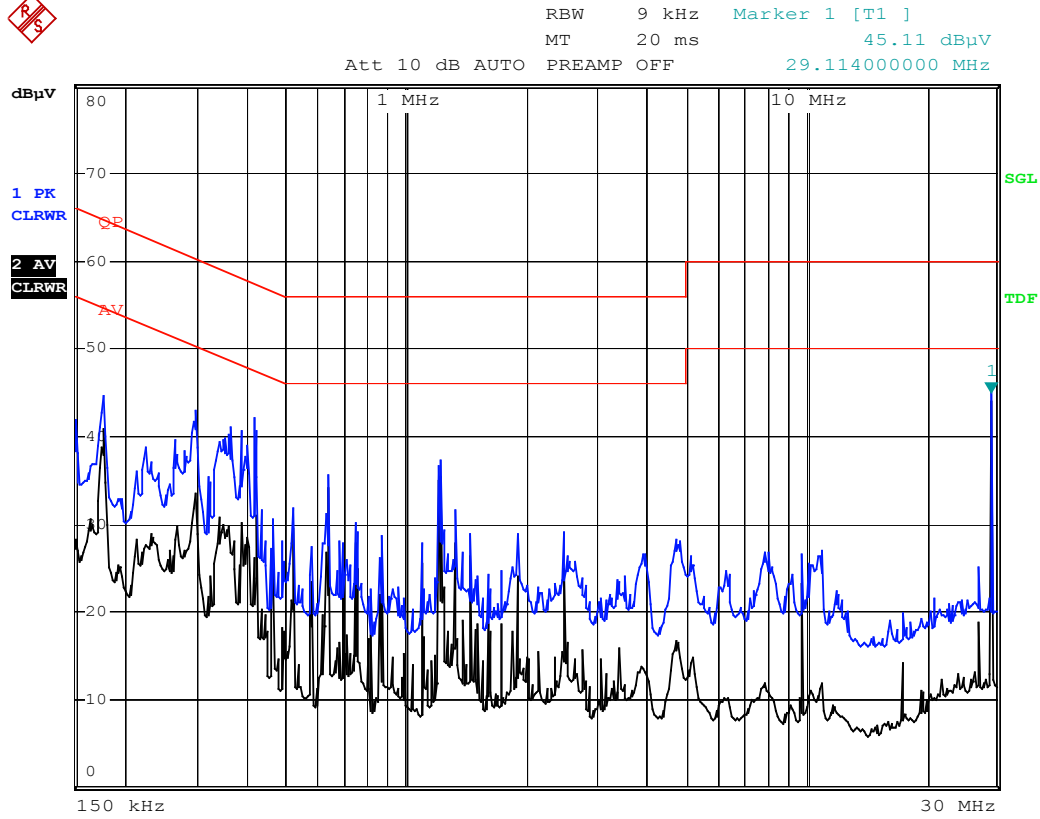
Date: 27.JAN.2006 08:54:12



CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT TV Channel 13 N

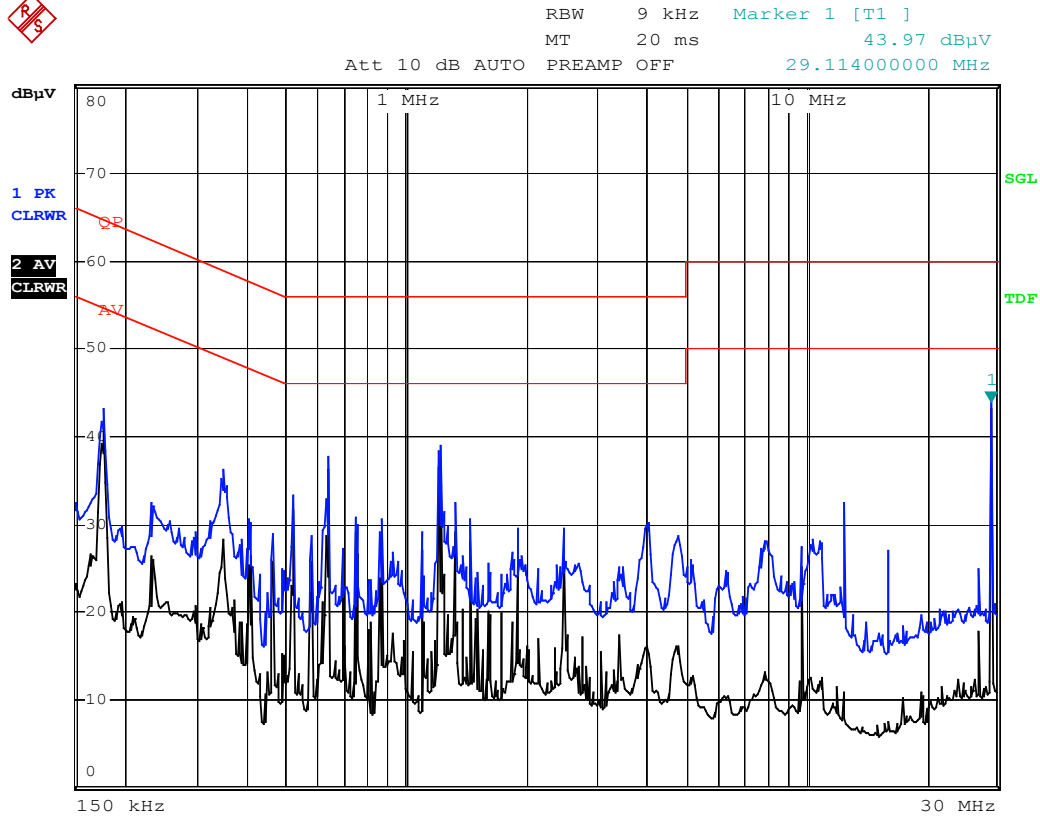
Date: 27.JAN.2006 08:47:24



CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT TV Channel 14 L

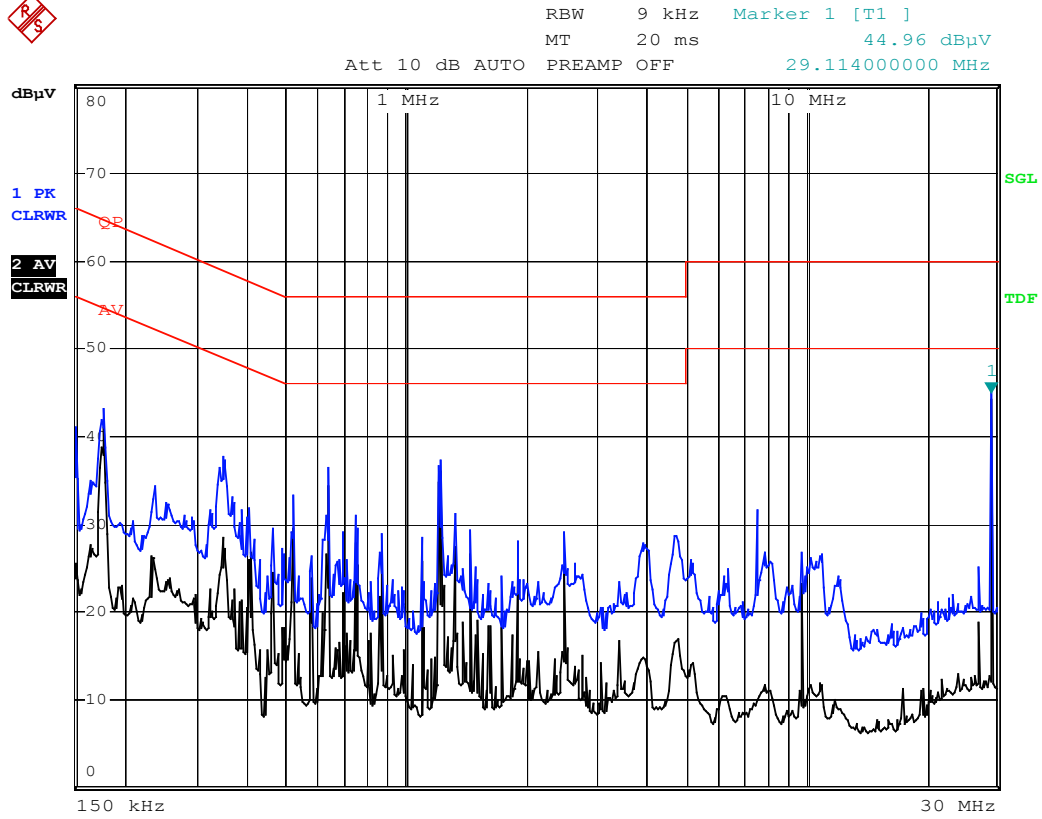
Date: 27.JAN.2006 08:59:53



CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT TV Channel 14 N

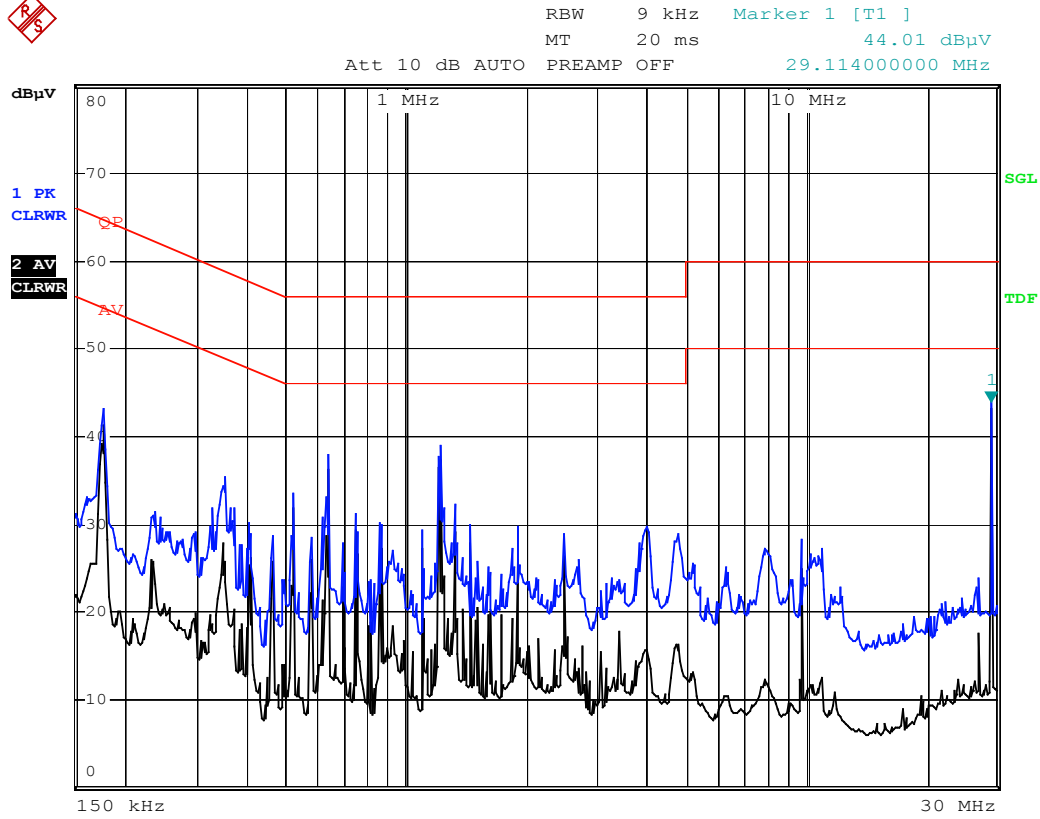
Date: 27.JAN.2006 09:04:26



CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT TV Channel 69 L

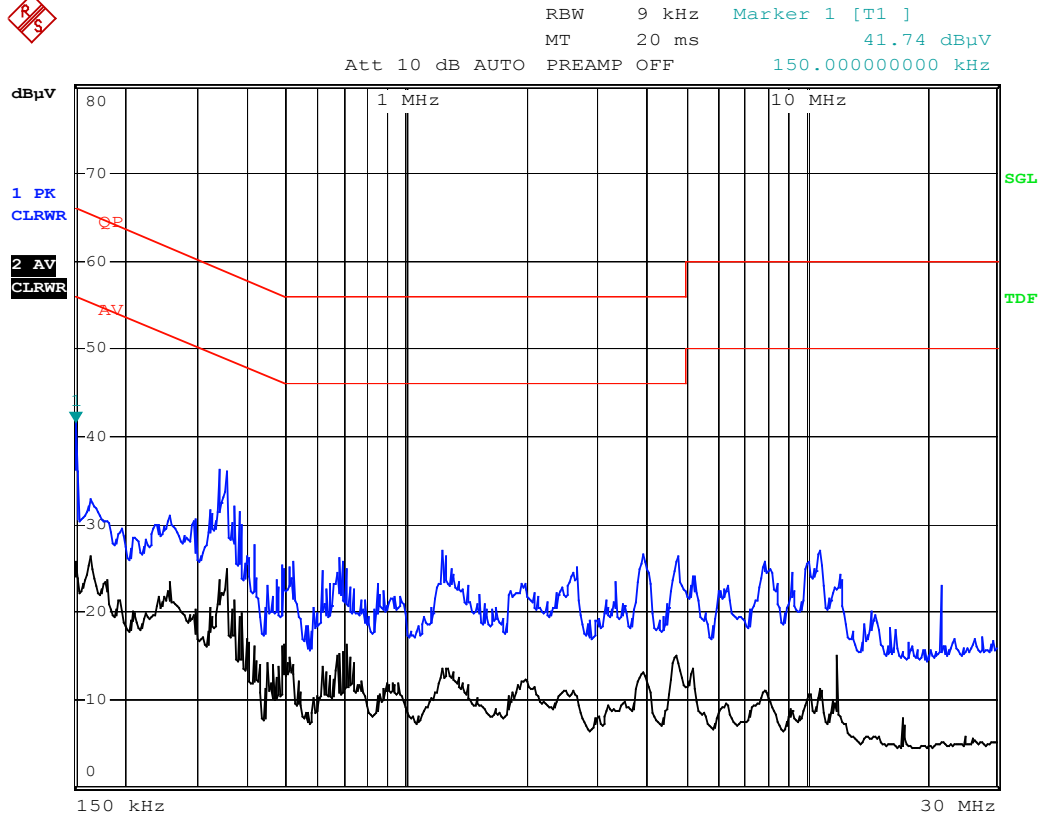
Date: 27.JAN.2006 09:13:23



CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT TV Channel 69 N

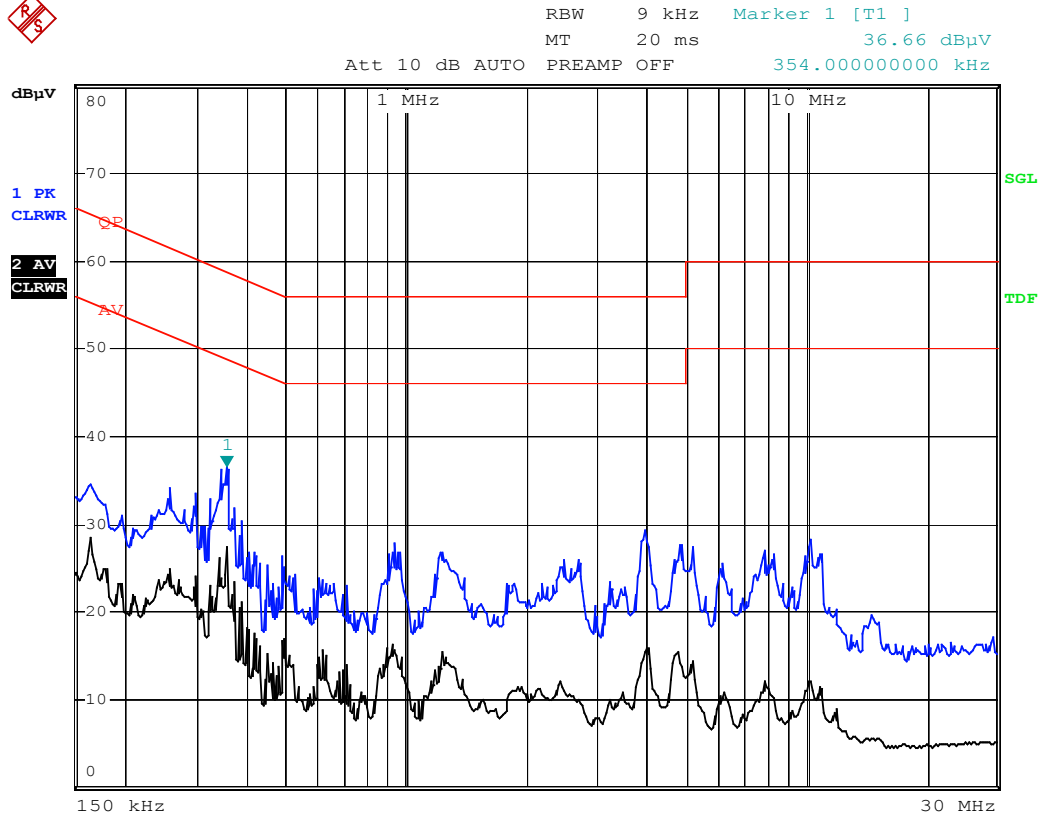
Date: 27.JAN.2006 09:09:00



CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT Weather band L

Date: 27.JAN.2006 09:18:34



CMA 7" Cable ready LCD TV digital AM/FM stereo radio M/N:KCL

8806DT Weather band N

Date: 27.JAN.2006 09:25:09

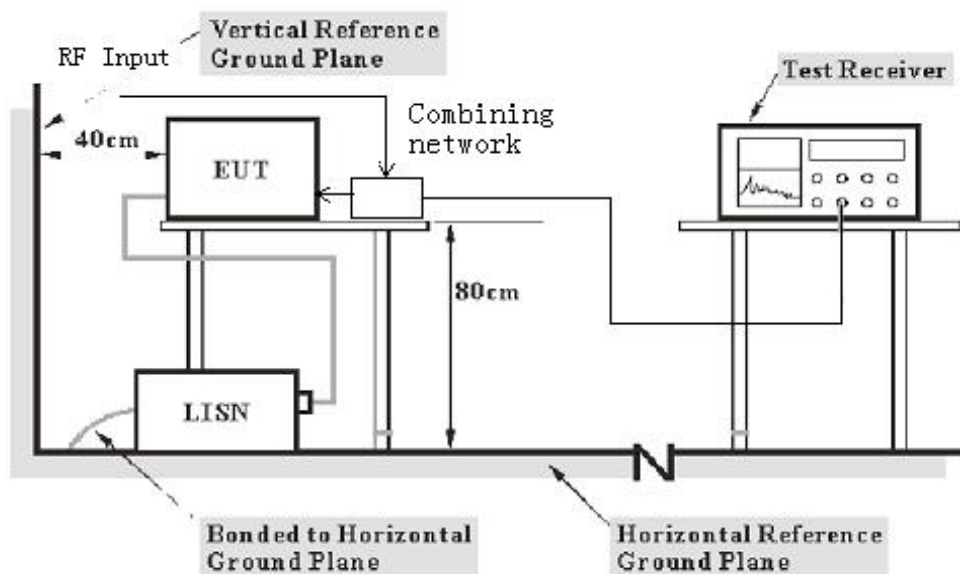
§15.111 – ANTENNA POWER CONDUCTED EMISSION

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement at Bay Area Compliance Lab Corp. (ShenZhen) is ± 3.2 dB.

Test System Setup



- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The antenna terminals of the receiver or associated equipment and the auxiliary signal generator are connected to the measuring set by means of coaxial cables and a resistive combining network having a minimum attenuation of 6 dB.

The impedance as seen from the receiver or associated equipment shall be equal to the nominal antenna input impedance for which the receiver has been designed.

The equipment under test shall be tuned to the wanted channel.

The measuring set is tuned to the relevant radiated frequency and the disturbance level is measured taking into account the attenuation between the receiver antenna terminal and the measuring set input.

The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC Part 15 Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

The EUT was connected to a 120 VAC/60 Hz power source.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 30 MHz to 960 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

<i>Frequency Range</i>	<i>R B/W</i>	<i>Video B/W</i>	<i>IF B/W</i>
30 MHz – 960 MHz	100 kHz	300 kHz	120 kHz

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Com-Power	L.I.S.N.	LI-200	12005	N/A	N/A
Com-Power	L.I.S.N.	LI-200	12008	N/A	N/A
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2005-8-17	2006-8-17
Rohde & Schwarz	L.I.S.N.	ESH2-Z5	892107/021	2005-2-28	2006-2-28
Rohde & Schwarz	Pulse Limiter	ESH3Z2	DE25985	N/A	N/A

* Com-Power's LISN were used as the supporting equipment.

* **Statement of Traceability:** Bay Area Compliance Lab Corp. (ShenZhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

During the conducted emission test, the EUT power cord was connected to the outlet of the first LISN and the TV power cord was connected to the outlet of the second LISN.

Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.

All data was recorded in the Quasi-peak detection mode.

Test Data**Environmental Conditions**

Temperature:	26 °C
Relative Humidity:	54 %
ATM Pressure:	1000mbar

The testing was performed by Charmi Peng on 2006-2-20.

Test Mode: Channel

Channel	SOURCE		Freq. (MHz)	Ampl dB μ v	Limit dB μ v	Margin dB
Channel 2	Local osc.	Fundamental	55.25	42.4	50	-7.60
	Other	Disturbance	890.20	36.0	50	-14.00
	Other	Disturbance	908.95	35.4	50	-14.60
Channel 7	Local osc.	Fundamental	175.25	31.65	50	-18.35
	Other	Disturbance	955.45	32.5	50	-17.50
Channel 9	Local osc.	Fundamental	187.25	41.0	50	-9.00
	Other	Disturbance	818.30	30.8	50	-19.20
	Other	Disturbance	894.15	34.8	50	-15.20
Channel 13	Local osc.	Fundamental	211.25	39.7	50	-11.30
	Other	Disturbance	619.30	31.1	50	-19.90
Channel 14	Local osc.	Fundamental	471.25	34.7	50	-15.30
	Other	Disturbance	612.10	31.2	50	-19.80
Channel 69	Local osc.	Fundamental	801.25	31.2	50	-19.80
	Other	Disturbance	858.0	33.1	50	-16.90

Test Result: Pass

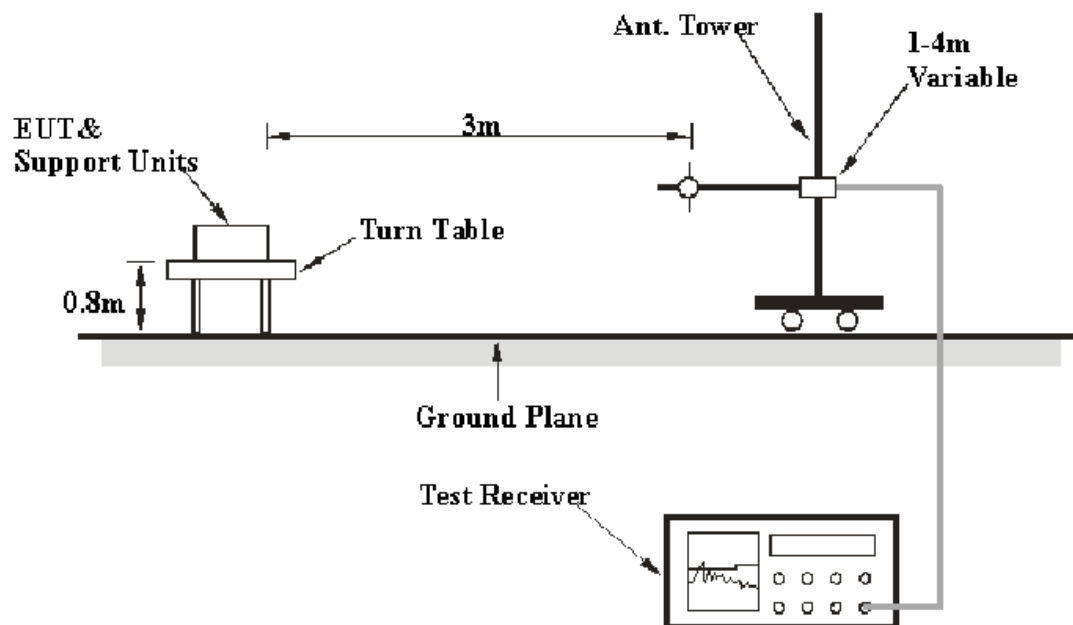
§15.109 - RADIATED EMISSION

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement at Bay Area Compliance Lab Corp. (ShenZhen) is ± 4.0 dB.

EUT Setup



The radiated emission tests were performed in the 3 meters chamber A test site, using the setup accordance with the ANSI C63.4-2003. The specification used was the FCC Part 15 Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

The EUT was connected to a 120 VAC/60 Hz power source.

EMI Test Receiver Setup

The system was investigated from 30 MHz to 1000 MHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

<i>Frequency</i>	<i>RB/W</i>	<i>VB/W</i>	<i>IF B/W</i>
30 MHz-1 GHz	100 kHz	300 kHz	120 kHz

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2005-8-17	2006-8-17
HP	Amplifier	HP8447D	2944A09795	2005-8-17	2006-8-17
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2005-4-28	2006-4-28

* **Statement of Traceability:** Bay Area Compliance Lab Corp. (ShenZhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

For the radiated emissions test, the EUT was connected to the AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the Quasi-peak detection mode.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Loss and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Meter Reading} + \text{Antenna Loss} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the limit for Class B. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{Limit}$$

Test Results Summary

According to the data in the following table, the EUT complied with the FCC Part 15 Class B, with the worst margin reading of:

FM 108 MHz: **-5.3 dB** at **475.89 MHz** in the **Horizontal** polarization.
 FM 98 MHz: **-4.7 dB** at **108.7 MHz** in the **Vertical** polarization.
 FM 88 MHz: **-7.5 dB** at **197.62 MHz** in the **Horizontal** polarization.
 TV Channel 2: **-2.2 dB** at **33.32 MHz** in the **Vertical** polarization.
 TV Channel 7: **-1.3 dB** at **53.69 MHz** in the **Vertical** polarization.
 TV Channel 9: **-1.5 dB** at **242.52 MHz** in the **Horizontal** polarization.
 TV Channel 13: **-1.6 dB** at **242.52 MHz** in the **Horizontal** polarization.

TV Channel 14: **-1.2 dB** at **54.07 MHz** in the **Vertical** polarization.
 TV Channel 69: **-1.6 dB** at **54.07 MHz** in the **Vertical** polarization.
 Weather Band: **-1.3 dB** at **170.79 MHz** in the **Vertical** polarization.

Test Data

Environmental Conditions

Temperature:	27 ° C
Relative Humidity:	56%
ATM Pressure:	1000mbar

The testing was performed by Charmi Peng on 2006-1-27.

Test Mode: FM 108 MHz

INDICATED		TABLE	ANTENNA		CORRECTION FACTOR			CORRECTED AMPLITUDE	FCC PART 15 Class B		PK/QP/AV
Frequency MHz	Meter Reading dBµV/m	Angle Degree	Height Meter	Polar H/V	Antenna Loss dB	Cable Loss dB	Amplifier Gain dB	Corr. Ampl. dBµV/m	Limit dBµV/m	Margin dB	
475.89	49.2	300	1.0	H	17.6	2.3	28.4	40.7	46	-5.3	QP
33.82	38.2	90	1.0	V	24.1	0.6	28.8	34.1	40	-5.9	QP
60.11	53.4	120	1.5	V	8.1	0.8	28.7	33.5	40	-6.5	QP
356.97	49.6	270	1.2	H	15.0	1.8	27.6	38.8	46	-7.2	QP
30.87	36.3	60	1.0	V	24.1	0.6	28.8	32.1	40	-7.9	QP
237.67	52.2	180	1.5	H	11.9	1.3	27.7	37.7	46	-8.3	QP
118.7	47.9	45	1.0	H	13.3	1.1	28.5	33.8	43.5	-9.7	QP
118.7	47.1	45	1.0	V	13.3	1.1	28.5	33.0	43.5	-10.5	QP
714.76	39.5	45	1.2	H	20.3	3.1	28.6	34.3	46	-11.7	QP
297.47	44.0	360	1.2	H	13.8	1.6	27.6	31.8	46	-14.2	QP
237.67	44.4	180	1.0	V	11.9	1.3	27.7	29.9	46	-16.1	QP
475.89	38.1	60	1.0	V	17.6	2.3	28.4	29.6	46	-16.4	QP

Test Mode: FM 98 MHz

INDICATED		TABLE	ANTENNA		CORRECTION FACTOR			CORRECTED AMPLITUDE	FCC PART 15 Class B		PK/QP/AV
Frequency MHz	Meter Reading dBµV/m	Angle Degree	Height Meter	Polar H/V	Antenna Loss dB	Cable Loss dB	Amplifier Gain dB	Corr. Ampl. dBµV/m	Limit dBµV/m	Margin dB	
108.7	55.3	45	1.0	V	11.0	1.0	28.5	38.8	43.5	-4.7	QP
33.46	38.7	90	1.0	V	24.1	0.6	28.8	34.6	40	-5.4	QP
59.88	53.7	120	1.5	V	7.9	0.7	28.7	33.7	40	-6.3	QP
44.92	44.9	60	1.0	V	14.3	0.6	28.8	31.0	40	-9.1	QP
108.7	50.9	45	1.0	H	11.0	1.0	28.5	34.4	43.5	-9.1	QP
217.65	51.7	180	1.5	H	11.4	1.3	27.8	36.6	46	-9.4	QP
435.8	45.3	300	1.0	H	16.8	2.2	28.3	36.0	46	-10.0	QP
541.63	43.3	45	1.2	H	18.8	2.5	28.6	36.0	46	-10.0	QP
654.55	40.9	60	1.0	V	20.3	2.9	28.5	35.6	46	-10.4	QP
324.61	44.9	270	1.2	H	14.3	1.7	27.7	33.2	46	-12.8	QP
378.76	43.4	360	1.2	H	15.5	1.9	27.8	33.0	46	-13.1	QP
217.65	40.8	180	1.0	V	11.4	1.3	27.8	25.7	46	-20.3	QP

Test Mode: FM 88 MHz

INDICATED		TABLE Angle Degree	ANTENNA		CORRECTION FACTOR			CORRECTED AMPLITUDE Corr. Ampl. dBµV/m	FCC PART 15 Class B		PK/QP/ AV
Frequency MHz	Meter Reading dBµV/m		Height Meter	Polar H/ V	Antenna Loss dB	Cable Loss dB	Amplifier Gain dB		Limit dBµV/m	Margin dB	
197.62	50.7	180	1.5	H	12.0	1.3	28	36.0	43.5	-7.5	QP
30.42	36.3	360	1.2	H	24.1	0.6	28.8	32.1	40	-7.9	QP
98.7	54.4	45	1.0	V	8.2	0.9	28.6	35.0	43.5	-8.5	QP
33.51	35.4	60	1.0	V	24.1	0.6	28.8	31.2	40	-8.8	QP
197.62	48.6	180	1.0	V	12.0	1.3	28	33.9	43.5	-9.6	QP
59.98	50.4	120	1.5	V	7.9	0.7	28.7	30.4	40	-9.6	QP
395.71	45.6	270	1.2	H	16.0	1.9	28.1	35.4	46	-10.6	QP
594.33	41.8	300	1.0	H	19.3	2.7	28.6	35.2	46	-10.8	QP
594.33	41.3	60	1.0	V	19.3	2.7	28.6	34.7	46	-11.3	QP
48.26	45.6	90	1.0	V	10.8	0.6	28.8	28.1	40	-11.9	QP
495.26	41.6	45	1.2	H	18.2	2.4	28.5	33.7	46	-12.3	QP
98.7	47.7	45	1.0	H	8.2	0.9	28.6	28.2	43.5	-15.3	QP

Test Mode: TV Channel 2

INDICATED		TABLE Angle Degree	ANTENNA		CORRECTION FACTOR			CORRECTED AMPLITUDE Corr. Ampl. dBµV/m	FCC PART 15 Class B		PK/QP/ AV
Frequency MHz	Meter Reading dBµV/m		Height Meter	Polar H/ V	Antenna Loss dB	Cable Loss dB	Amplifier Gain dB		Limit dBµV/m	Margin dB	
33.32	41.9	45	1.0	V	24.1	0.6	28.8	37.8	40	-2.2*	QP
242.52	57.9	45	1.0	H	12.3	1.3	27.7	43.8	46	-2.2*	QP
54.07	56.6	180	1.0	V	8.5	0.7	28.7	37.1	40	-2.9*	QP
87.11	56.0	60	1.0	V	8.1	0.9	28.7	36.3	40	-3.7*	QP
164.9	52.7	180	1.5	H	12.7	1.1	28.3	38.2	43.5	-5.3	QP
203.52	51.0	270	1.2	H	12.6	1.3	28	36.9	43.5	-6.6	QP
297.22	51.0	300	1.0	H	13.8	1.6	27.6	38.8	46	-7.2	QP
893.85	38.1	90	1.0	V	22.6	3.5	28.1	36.1	46	-9.9	QP
54.07	49.0	360	1.2	H	8.5	0.7	28.7	29.5	40	-10.5	QP
164.9	47.3	120	1.5	V	12.7	1.1	28.3	32.8	43.5	-10.7	QP
242.52	47.9	60	1.0	V	12.3	1.3	27.7	33.8	46	-12.2	QP
116.94	45.0	45	1.2	H	13.3	1.1	28.5	30.9	43.5	-12.6	QP

Test Mode: TV Channel 7

INDICATED		TABLE Angle Degree	ANTENNA		CORRECTION FACTOR			CORRECTED AMPLITUDE Corr. Ampl. dBµV/m	FCC PART 15 Class B		PK/QP/ AV
Frequency MHz	Meter Reading dBµV/m		Height Meter	Polar H/ V	Antenna Loss dB	Cable Loss dB	Amplifier Gain dB		Limit dBµV/m	Margin dB	
53.69	58.2	45	1.0	V	8.5	0.7	28.7	38.7	40	-1.3*	QP
30.85	41.6	60	1.0	V	24.1	0.6	28.8	37.4	40	-2.6*	QP
164.9	55.0	180	1.5	H	12.7	1.1	28.3	40.5	43.5	-3.0*	QP
242.52	56.5	45	1.0	H	12.3	1.3	27.7	42.4	46	-3.6*	QP
87.11	56.0	120	1.5	V	8.1	0.9	28.7	36.3	40	-3.7*	QP
213.76	53.2	300	1.0	H	11.4	1.3	27.9	38.0	43.5	-5.6	QP
297.22	50.6	270	1.2	H	13.8	1.6	27.6	38.4	46	-7.6	QP
242.52	52.4	180	1.0	V	12.3	1.3	27.7	38.3	46	-7.8	QP
893.85	37.6	60	1.0	V	22.6	3.5	28.1	35.6	46	-10.4	QP
54.07	49.1	360	1.2	H	8.5	0.7	28.7	29.6	40	-10.4	QP
126.32	45.5	45	1.2	H	14.4	1.1	28.5	32.5	43.5	-11.0	QP
297.22	47.0	90	1.0	V	13.8	1.6	27.6	34.8	46	-11.2	QP

Test Mode: TV Channel 9

INDICATED		TABLE Angle Degree	ANTENNA		CORRECTION FACTOR			CORRECTED AMPLITUDE Corr. Ampl. dBµV/m	FCC PART 15 Class B		PK/QP/ AV
Frequency MHz	Meter Reading dBµV/m		Height Meter	Polar H/ V	Antenna Loss dB	Cable Loss dB	Amplifier Gain dB		Limit dBµV/m	Margin dB	
242.52	58.6	45	1.0	H	12.3	1.3	27.7	44.5	46	-1.5*	QP
53.69	57.0	45	1.0	V	8.5	0.7	28.7	37.5	40	-2.5*	QP
30.63	40.4	60	1.0	V	24.1	0.6	28.8	36.2	40	-3.8*	QP
164.9	53.7	180	1.5	H	12.7	1.1	28.3	39.2	43.5	-4.3	QP
203.52	51.7	270	1.2	H	12.6	1.3	28	37.6	43.5	-5.9	QP
184.48	50.4	120	1.5	V	11.8	1.3	28.1	35.4	43.5	-8.1	QP
242.52	51.5	180	1.0	V	12.3	1.3	27.7	37.4	46	-8.6	QP
839.18	39.4	300	1.0	H	22.2	3.3	28.2	36.7	46	-9.3	QP
54.07	48.9	360	1.2	H	8.5	0.7	28.7	29.4	40	-10.6	QP
174.42	47.4	60	1.0	V	12.3	1.2	28.2	32.7	43.5	-10.8	QP
134.55	44.9	90	1.0	V	14.5	1.1	28.5	32.0	43.5	-11.5	QP
297.22	45.5	45	1.2	H	13.8	1.6	27.6	33.3	46	-12.7	QP

Test Mode: TV Channel 13

INDICATED		TABLE Angle Degree	ANTENNA		CORRECTION FACTOR			CORRECTED AMPLITUDE Corr. Ampl. dBµV/m	FCC PART 15 Class B		PK/QP/ AV
Frequency MHz	Meter Reading dBµV/m		Height Meter	Polar H/ V	Antenna Loss dB	Cable Loss dB	Amplifier Gain dB		Limit dBµV/m	Margin dB	
242.52	58.5	45	1.0	H	12.3	1.3	27.7	44.4	46	-1.6*	QP
54.07	57.7	45	1.0	V	8.5	0.7	28.7	38.2	40	-1.8*	QP
30.21	42.0	60	1.0	V	24.1	0.6	28.8	37.9	40	-2.1*	QP
164.9	53.4	180	1.5	H	12.7	1.1	28.3	38.9	43.5	-4.6	QP
34.27	39.2	300	1.0	H	24.1	0.6	28.8	35.0	40	-5.0	QP
87.11	53.0	90	1.0	V	8.1	0.9	28.7	33.3	40	-6.7	QP
242.52	52.2	180	1.0	V	12.3	1.3	27.7	38.1	46	-7.9	QP
297.22	49.0	270	1.2	H	13.8	1.6	27.6	36.8	46	-9.3	QP
184.48	48.6	60	1.0	V	11.8	1.3	28.1	33.6	43.5	-10.0	QP
126.32	45.7	45	1.2	H	14.4	1.1	28.5	32.7	43.5	-10.8	QP
839.18	37.7	120	1.5	V	22.2	3.3	28.2	35.0	46	-11.1	QP
53.69	47.9	360	1.2	H	8.5	0.7	28.7	28.4	40	-11.6	QP

Test Mode: TV Channel 14

INDICATED		TABLE Angle Degree	ANTENNA		CORRECTION FACTOR			CORRECTED AMPLITUDE Corr. Ampl. dBµV/m	FCC PART 15 Class B		PK/QP/ AV
Frequency MHz	Meter Reading dBµV/m		Height Meter	Polar H/ V	Antenna Loss dB	Cable Loss dB	Amplifier Gain dB		Limit dBµV/m	Margin dB	
54.07	58.3	45	1.0	V	8.5	0.7	28.7	38.8	40	-1.2*	QP
242.52	58.4	45	1.0	H	12.3	1.3	27.7	44.3	46	-1.7*	QP
30.85	40.1	180	1.0	V	24.1	0.6	28.8	35.9	40	-4.1	QP
164.9	53.1	180	1.5	H	12.7	1.1	28.3	38.6	43.5	-4.9	QP
203.52	52.2	270	1.2	H	12.6	1.3	28	38.1	43.5	-5.4	QP
126.32	47.2	45	1.2	H	14.4	1.1	28.5	34.2	43.5	-9.3	QP
184.48	48.8	120	1.5	V	11.8	1.3	28.1	33.8	43.5	-9.7	QP
53.69	49.2	360	1.2	H	8.5	0.7	28.7	29.7	40	-10.3	QP
297.22	47.3	300	1.0	H	13.8	1.6	27.6	35.1	46	-10.9	QP
839.18	36.9	60	1.0	V	22.2	3.3	28.2	34.2	46	-11.8	QP
145.35	44.1	90	1.0	V	13.4	1.1	28.5	30.1	43.5	-13.4	QP
242.52	46.2	60	1.0	V	12.3	1.3	27.7	32.1	46	-13.9	QP

Test Mode: TV Channel 69

INDICATED		TABLE Angle Degree	ANTENNA		CORRECTION FACTOR			CORRECTED AMPLITUDE Corr. Ampl. dBµV/m	FCC PART 15 Class B		PK/QP/ AV
Frequency MHz	Meter Reading dBµV/m		Height Meter	Polar H/ V	Antenna Loss dB	Cable Loss dB	Amplifier Gain dB		Limit dBµV/m	Margin dB	
54.07	57.9	45	1.0	V	8.5	0.7	28.7	38.4	40	-1.6*	QP
242.52	57.1	45	1.0	H	12.3	1.3	27.7	43.0	46	-3.0*	QP
32.17	40.1	180	1.0	V	24.1	0.6	28.8	36.0	40	-4.0*	QP
87.11	55.4	60	1.0	V	8.1	0.9	28.7	35.7	40	-4.3	QP
164.9	52.7	180	1.5	H	12.7	1.1	28.3	38.2	43.5	-5.3	QP
203.52	51.3	270	1.2	H	12.6	1.3	28	37.2	43.5	-6.3	QP
54.07	50.9	360	1.2	H	8.5	0.7	28.7	31.4	40	-8.6	QP
184.48	49.7	300	1.0	H	11.8	1.3	28.1	34.7	43.5	-8.9	QP
184.48	48.6	90	1.0	V	11.8	1.3	28.1	33.6	43.5	-9.9	QP
839.18	36.7	120	1.5	V	22.2	3.3	28.2	34.0	46	-12.0	QP
242.52	47.8	60	1.0	V	12.3	1.3	27.7	33.7	46	-12.3	QP
108.26	47.3	45	1.2	H	11.0	1.0	28.5	30.8	43.5	-12.7	QP

Test Mode: Weather Band

INDICATED		TABLE Angle Degree	ANTENNA		CORRECTION FACTOR			CORRECTED AMPLITUDE Corr. Ampl. dBµV/m	FCC PART 15 Class B		PK/QP/ AV
Frequency MHz	Meter Reading dBµV/m		Height Meter	Polar H/ V	Antenna Loss dB	Cable Loss dB	Amplifier Gain dB		Limit dBµV/m	Margin dB	
170.79	56.9	45	1.0	V	12.3	1.2	28.2	42.2	43.5	-1.3*	QP
170.79	56.6	45	1.0	H	12.3	1.2	28.2	41.9	43.5	-1.6*	QP
34.03	38.1	60	1.0	V	24.1	0.6	28.8	33.9	40	-6.1	QP
60.06	50.4	120	1.5	V	8.1	0.8	28.7	30.5	40	-9.5	QP
906.48	37.8	60	1.0	V	22.9	3.5	27.9	36.3	46	-9.7	QP
341.97	45.8	180	1.5	H	14.9	1.8	27.7	34.8	46	-11.2	QP
56.39	47.9	90	1.0	V	7.9	0.7	28.7	27.8	40	-12.2	QP
32.63	27.8	45	1.2	H	24.1	0.6	28.8	23.6	40	-16.4	QP
341.97	37.1	180	1.0	V	14.9	1.8	27.7	26.1	46	-19.9	QP
510.04	32.4	270	1.2	H	18.0	2.4	28.6	24.2	46	-21.9	QP
188.41	31.2	300	1.0	H	11.7	1.3	28.1	16.1	43.5	-27.4	QP
125.44	28.2	360	1.2	H	14.4	1.1	28.5	15.2	43.5	-28.3	QP

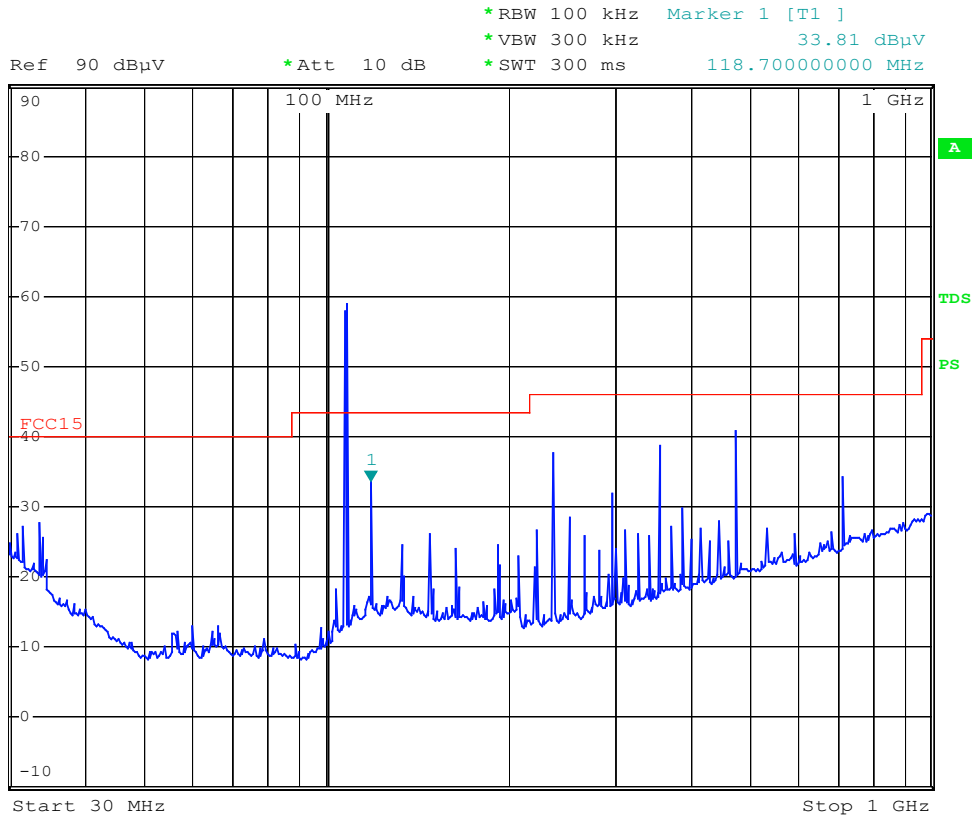
* Within measurement uncertainty.

Plot(s) of Test Data

Plot(s) of Test Data is presented hereinafter as reference.



1 PK
VIEW



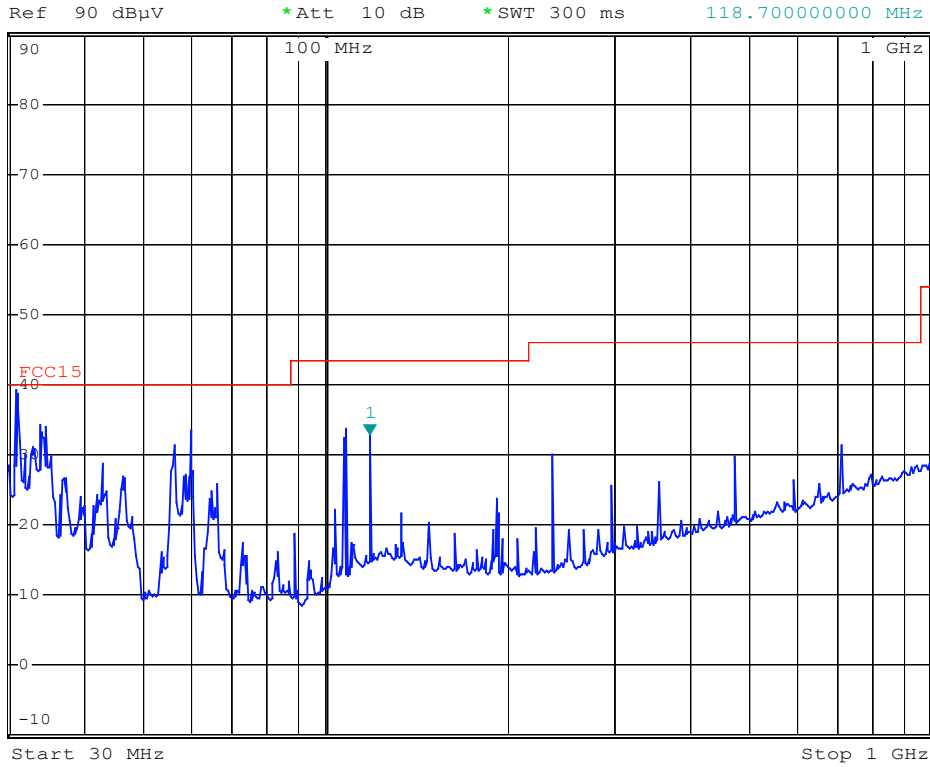
CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation FM108MHz Horiz

ontal

Date: 6.FEB.2006 09:38:54



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 32.96 dBμV
*SWT 300 ms 118.700000000 MHz



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation FM108MHz Verti
cal

Date: 6.FEB.2006 09:33:21



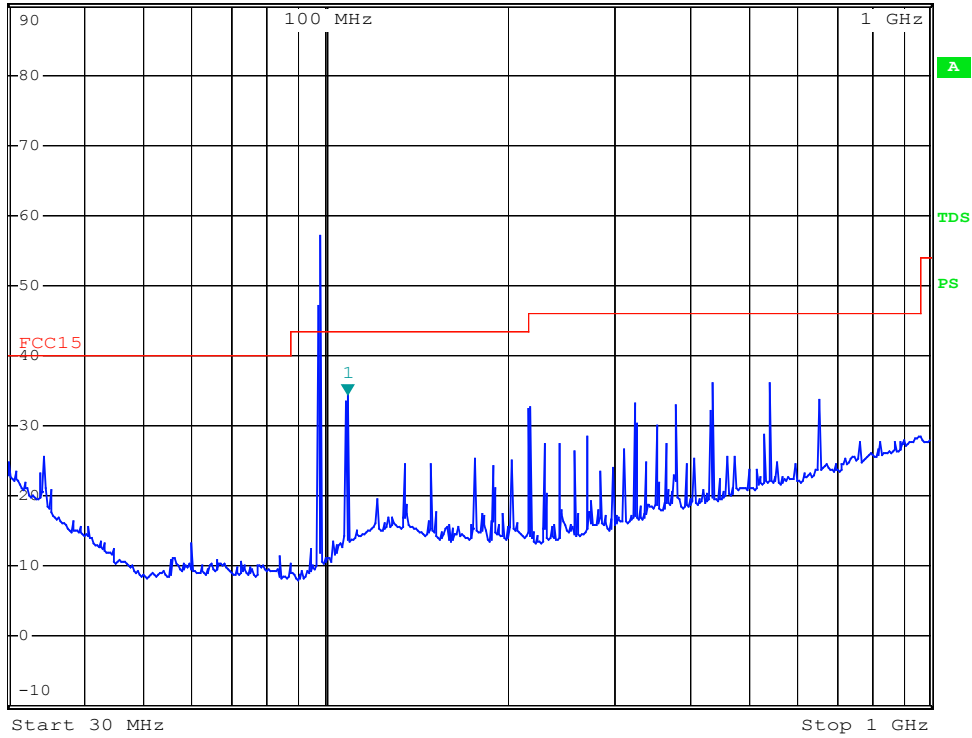
*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 34.43 dBμV
*SWT 300 ms 108.700000000 MHz

Ref 90 dBμV

*Att 10 dB

108.700000000 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation FM98MHz Horizontal

Date: 6.FEB.2006 09:14:05



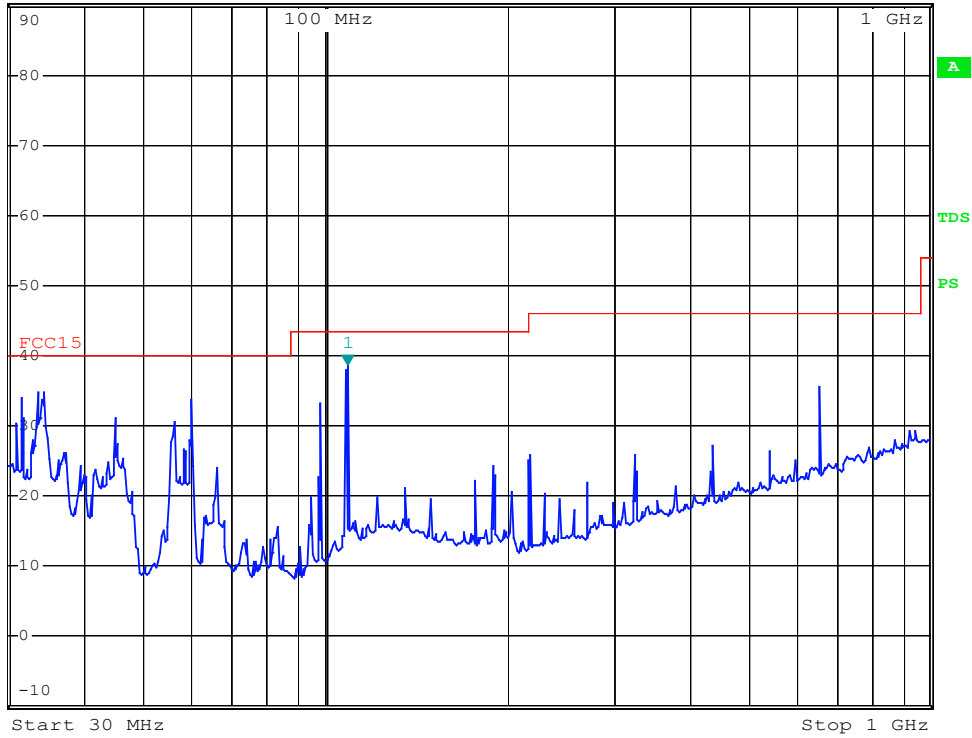
*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 38.76 dBμV
*SWT 300 ms 108.700000000 MHz

Ref 90 dBμV

*Att 10 dB

108.700000000 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation FM98MHz Vertic

al

Date: 6.FEB.2006 09:19:10



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 28.18 dBμV
*SWT 300 ms 98.700000000 MHz

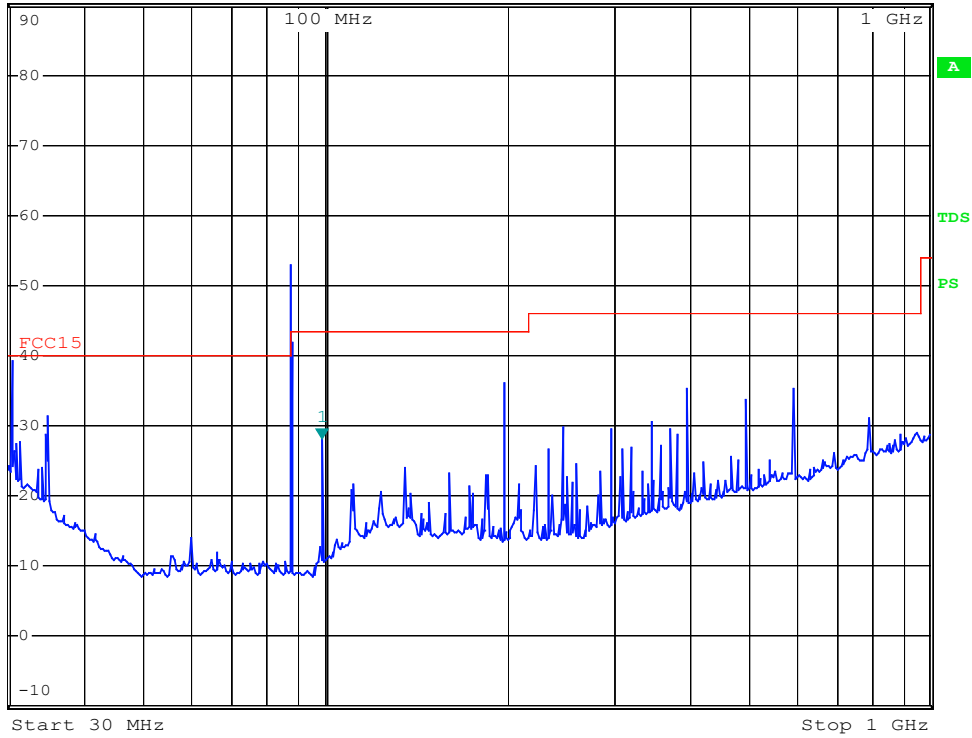
Ref 90 dBμV

*Att 10 dB

*SWT 300 ms

98.700000000 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation FM88MHz Horizontal

Date: 6.FEB.2006 09:04:35



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 34.96 dBμV
*SWT 300 ms 98.700000000 MHz

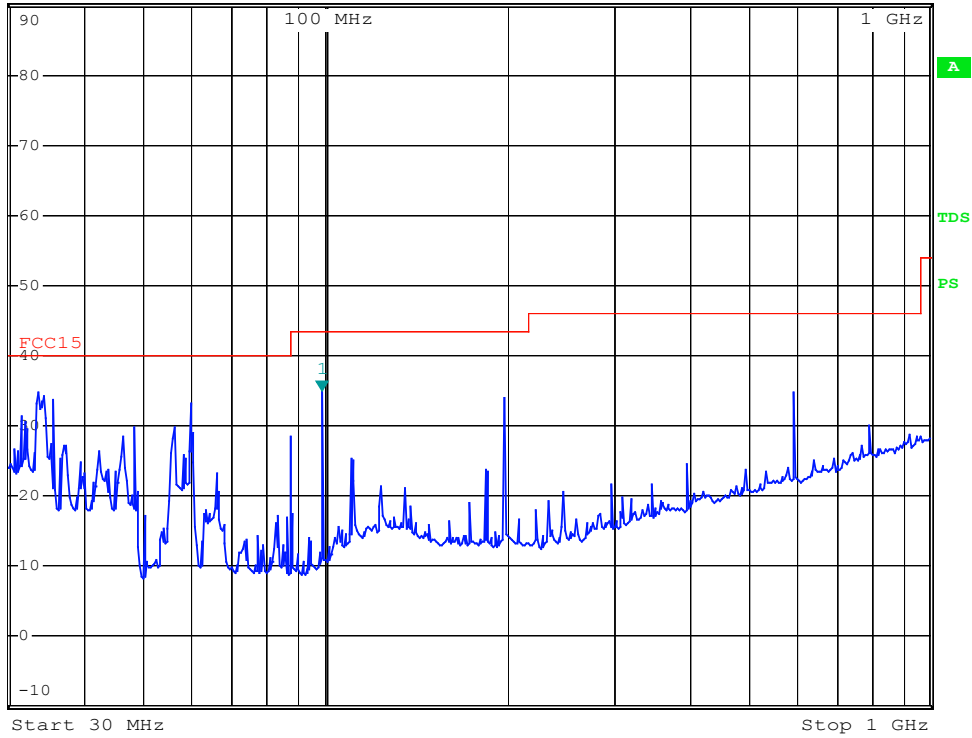
Ref 90 dBμV

*Att 10 dB

*SWT 300 ms

98.700000000 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation FM88MHz Vertic
al

Date: 6.FEB.2006 08:57:43

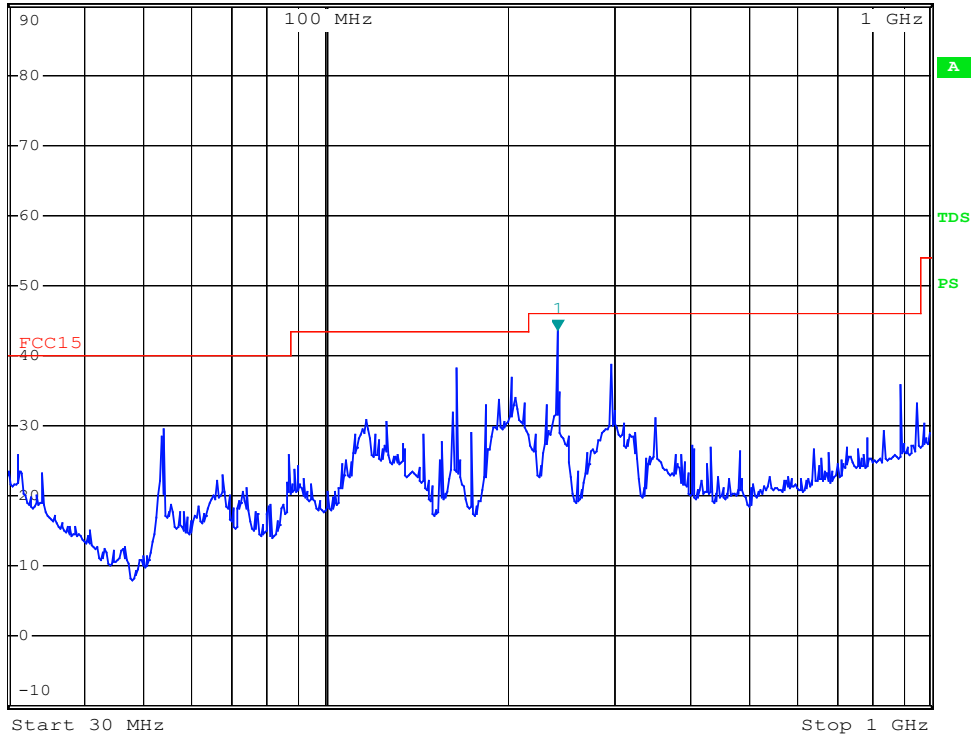


*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 43.80 dBμV
*SWT 300 ms 242.525264502 MHz

Ref 90 dBμV

*Att 10 dB

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation TV Channel 2

Horizontal

Date: 6.FEB.2006 11:01:38



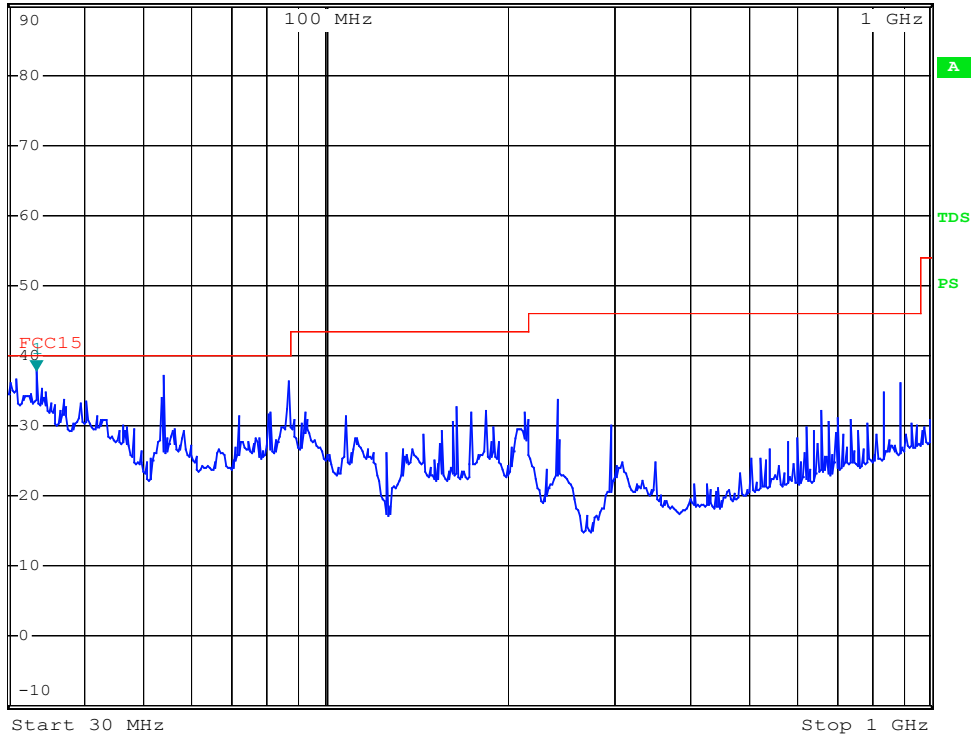
*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 37.79 dBμV
*SWT 300 ms 33.327874489 MHz

Ref 90 dBμV

*Att 10 dB

33.327874489 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation TV Channel 2

Vertical

Date: 6.FEB.2006 10:56:04



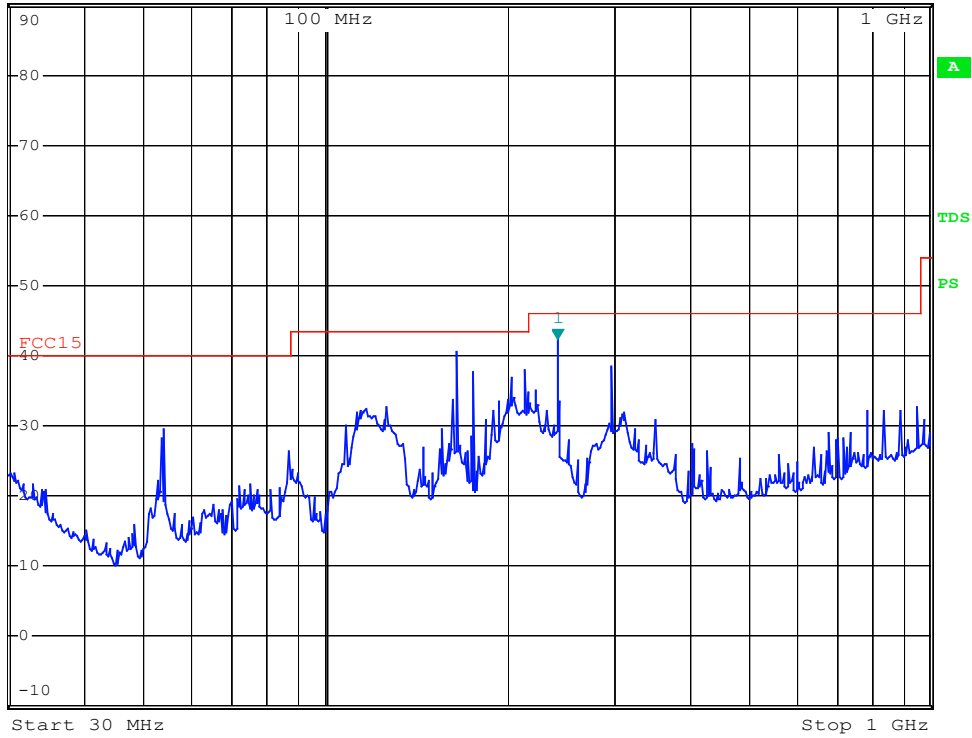
*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 42.37 dBμV
*SWT 300 ms 242.525264502 MHz

Ref 90 dBμV

*Att 10 dB

242.525264502 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation TV Channel 7

Horizontal

Date: 6.FEB.2006 11:06:36



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 38.67 dBμV
*SWT 300 ms 53.693180055 MHz

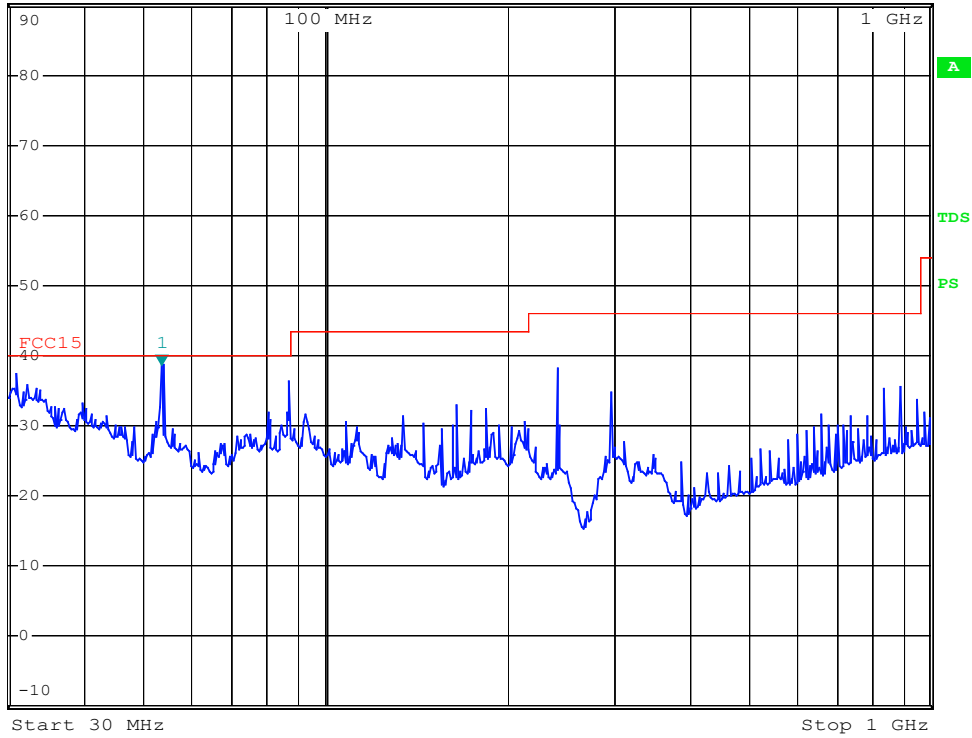
Ref 90 dBμV

*Att 10 dB

*SWT 300 ms

53.693180055 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation TV Channel 7

Vertical

Date: 6.FEB.2006 11:09:28



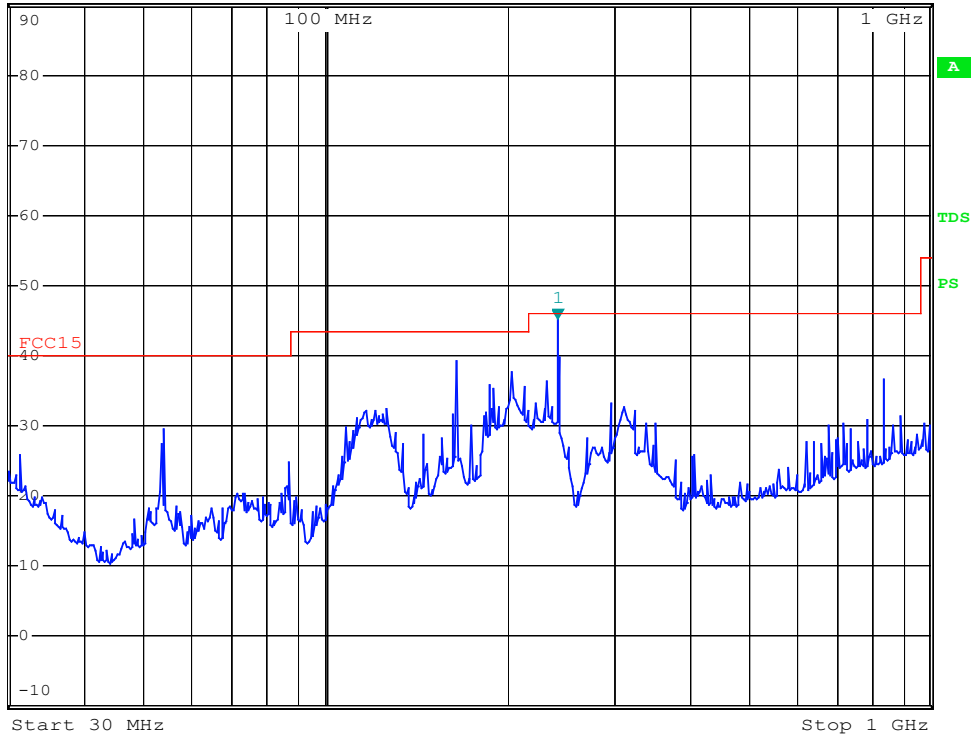
*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 45.31 dBμV
*SWT 300 ms 242.525264502 MHz

Ref 90 dBμV

*Att 10 dB

242.525264502 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation TV Channel 9

Horizontal

Date: 6.FEB.2006 11:35:05



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 37.48 dBμV
*SWT 300 ms 53.693180055 MHz

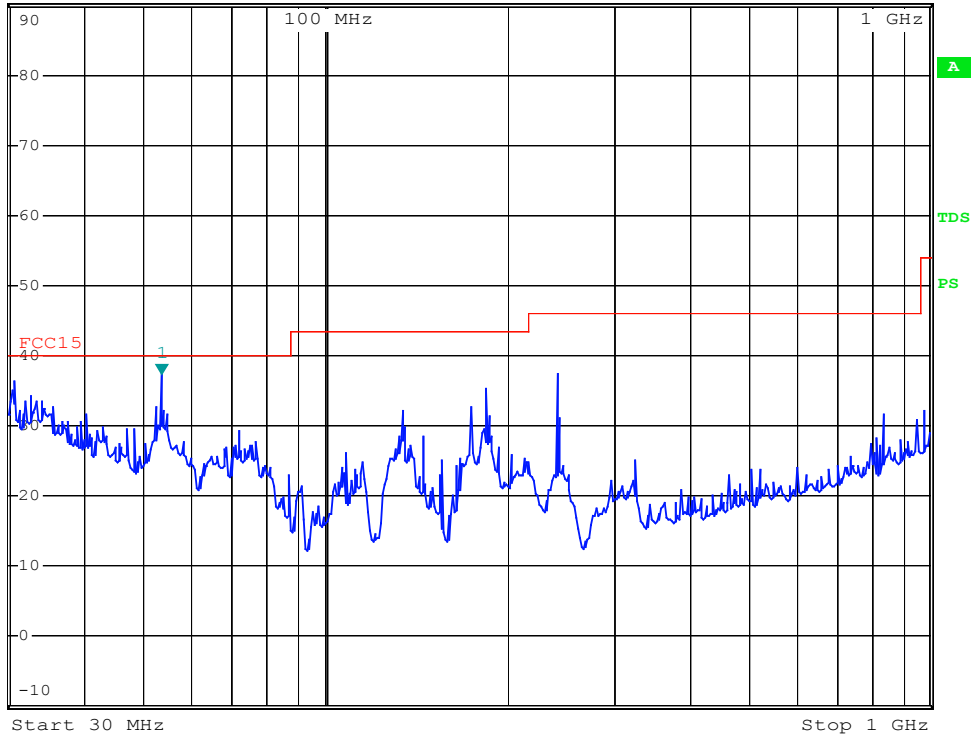
Ref 90 dBμV

*Att 10 dB

*SWT 300 ms

53.693180055 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation TV Channel 9

Vertical

Date: 6.FEB.2006 11:32:25



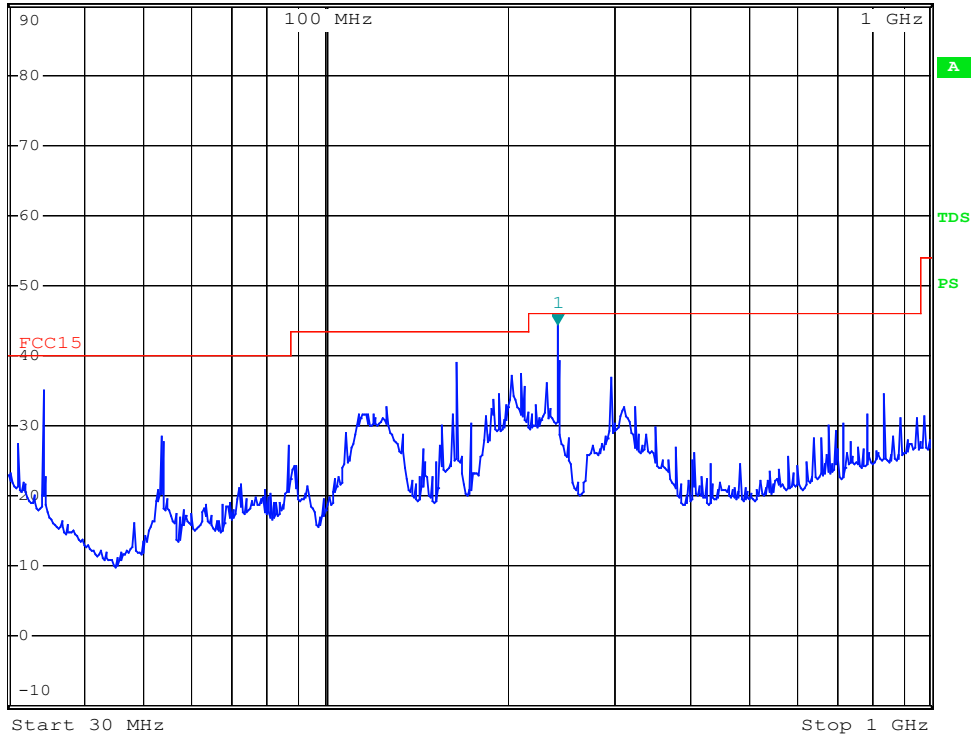
*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 44.44 dBμV
*SWT 300 ms 242.525264502 MHz

Ref 90 dBμV

*Att 10 dB

242.525264502 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation TV Channel 13

Horizontal

Date: 6.FEB.2006 11:38:01



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 38.18 dBμV
*SWT 300 ms 54.071060054 MHz

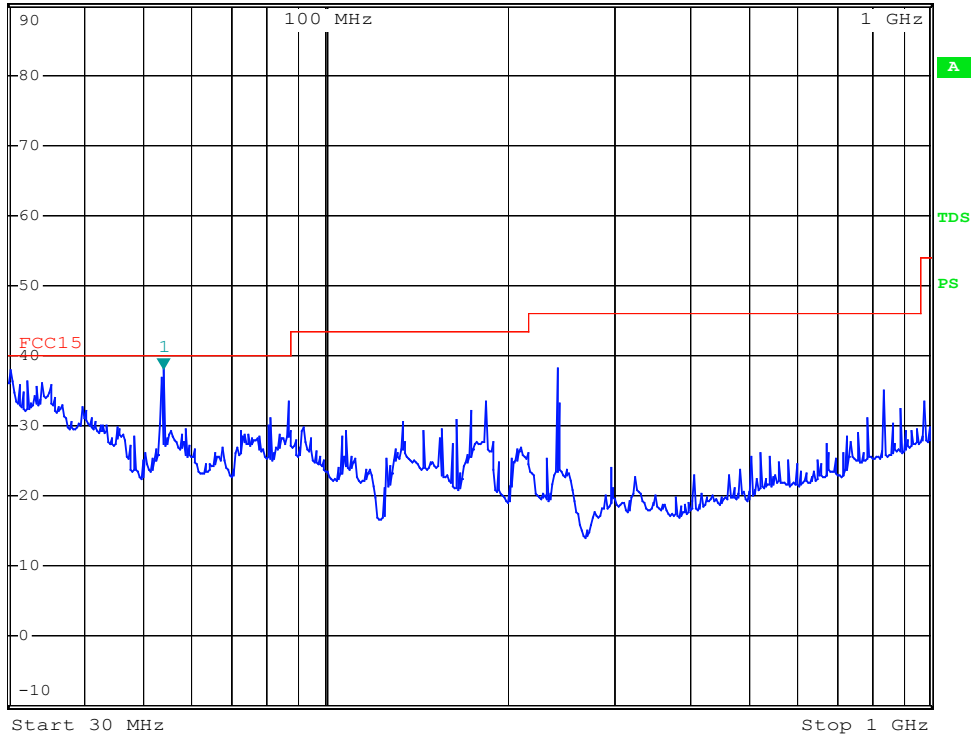
Ref 90 dBμV

*Att 10 dB

*SWT 300 ms

54.071060054 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation TV Channel 13

Vertical

Date: 6.FEB.2006 11:40:59



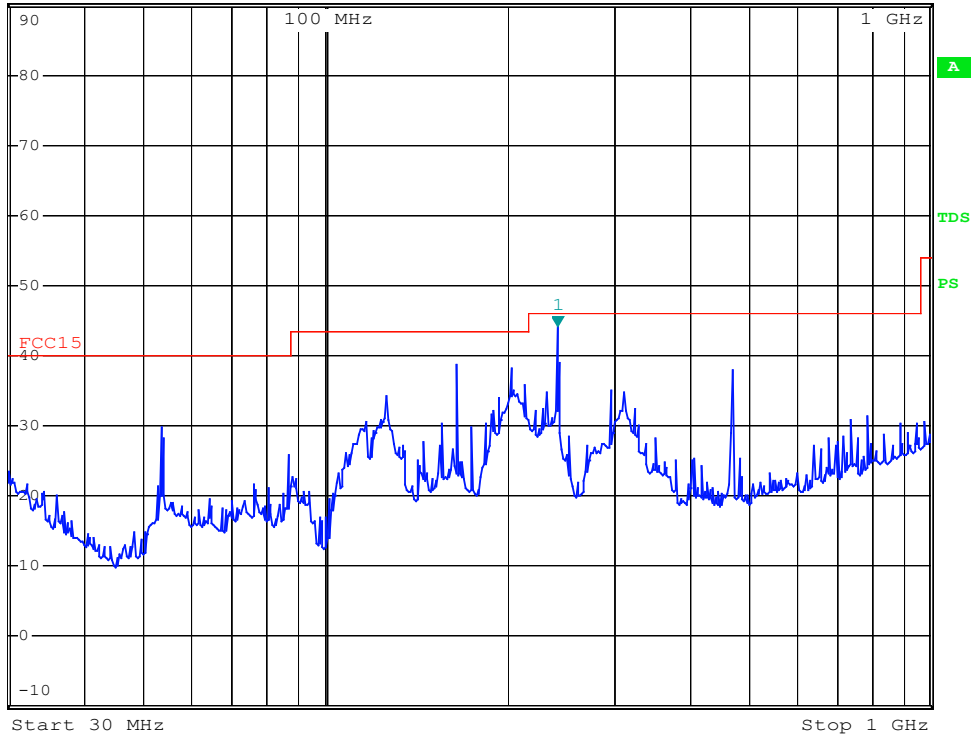
*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 44.28 dBμV
*SWT 300 ms 242.525264502 MHz

Ref 90 dBμV

*Att 10 dB

242.525264502 MHz

1 PK
VIEW



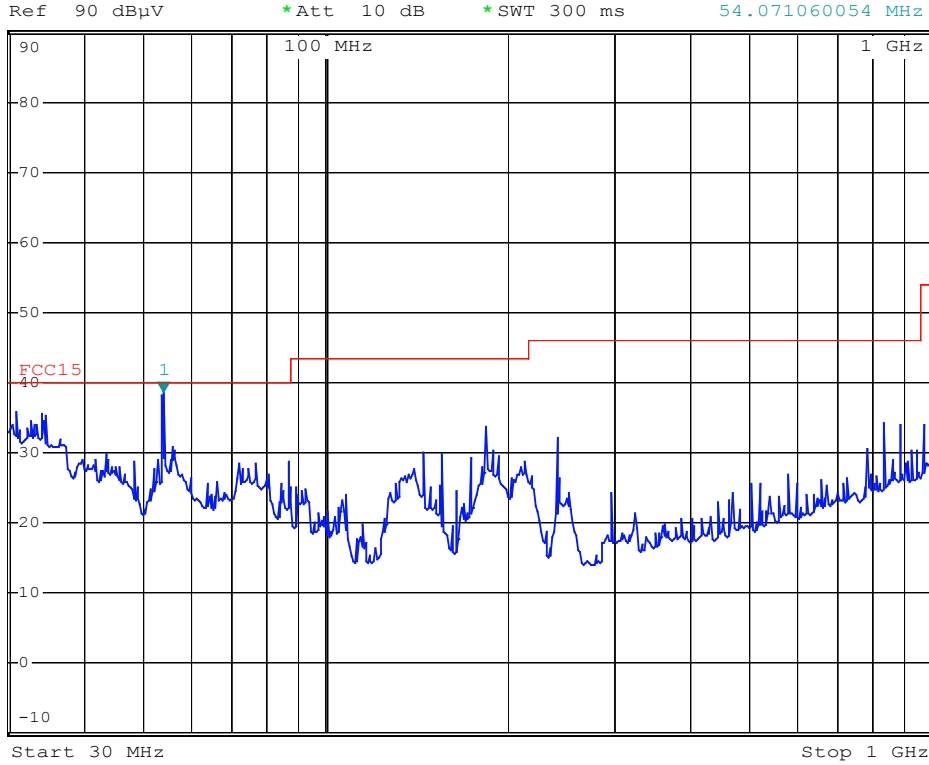
CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation TV Channel 14

Horizontal

Date: 6.FEB.2006 11:53:45



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 38.76 dBμV
*SWT 300 ms 54.071060054 MHz



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation TV Channel 14

Vertical

Date: 6.FEB.2006 11:51:03



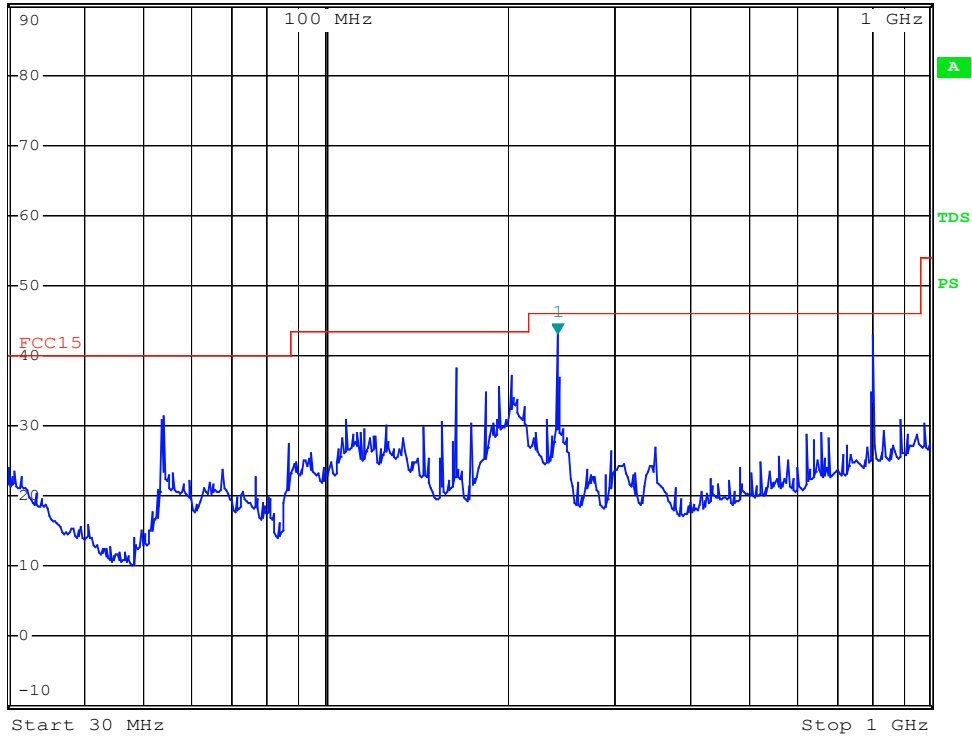
*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 43.02 dBμV
*SWT 300 ms 242.525264502 MHz

Ref 90 dBμV

*Att 10 dB

242.525264502 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation TV Channel 69

Horizontal

Date: 6.FEB.2006 11:58:17



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 38.36 dBμV
*SWT 300 ms 54.071060054 MHz

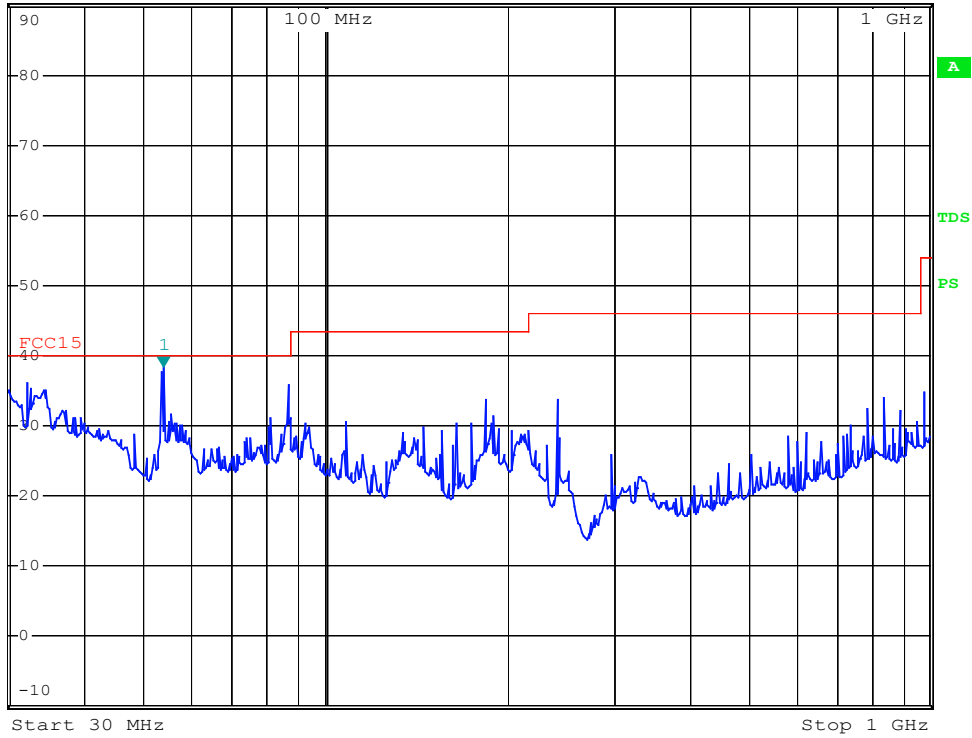
Ref 90 dBμV

*Att 10 dB

*SWT 300 ms

54.071060054 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation TV Channel 69

Vertical

Date: 6.FEB.2006 12:00:33



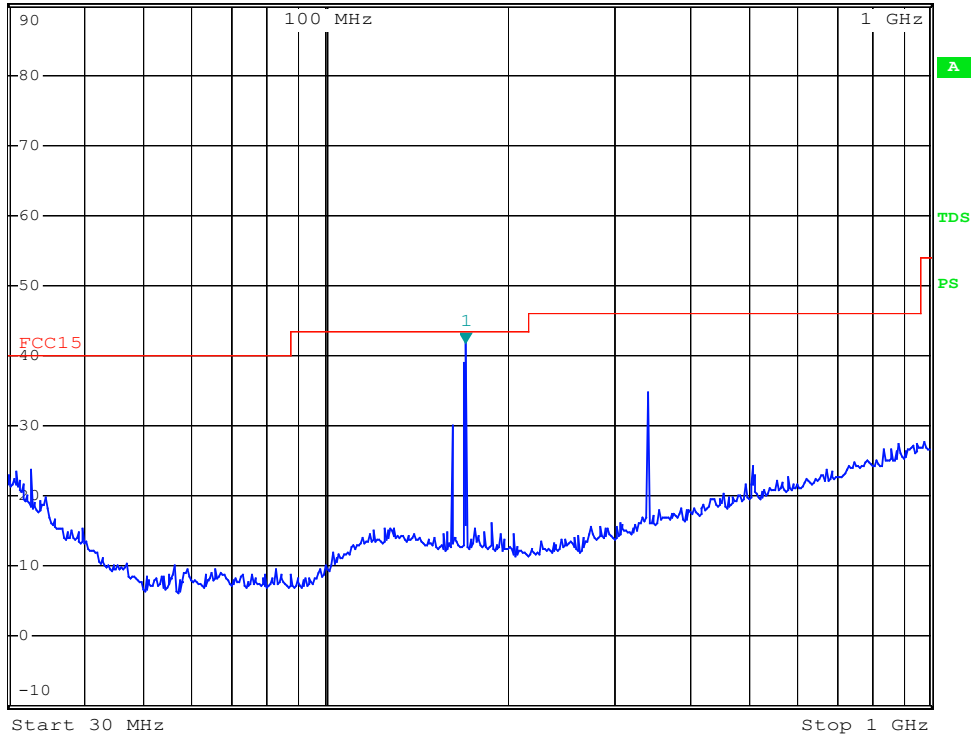
*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 41.86 dBμV
*SWT 300 ms 170.792624567 MHz

Ref 90 dBμV

*Att 10 dB

170.792624567 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation Weather Band

Horizontal

Date: 6.FEB.2006 10:02:59



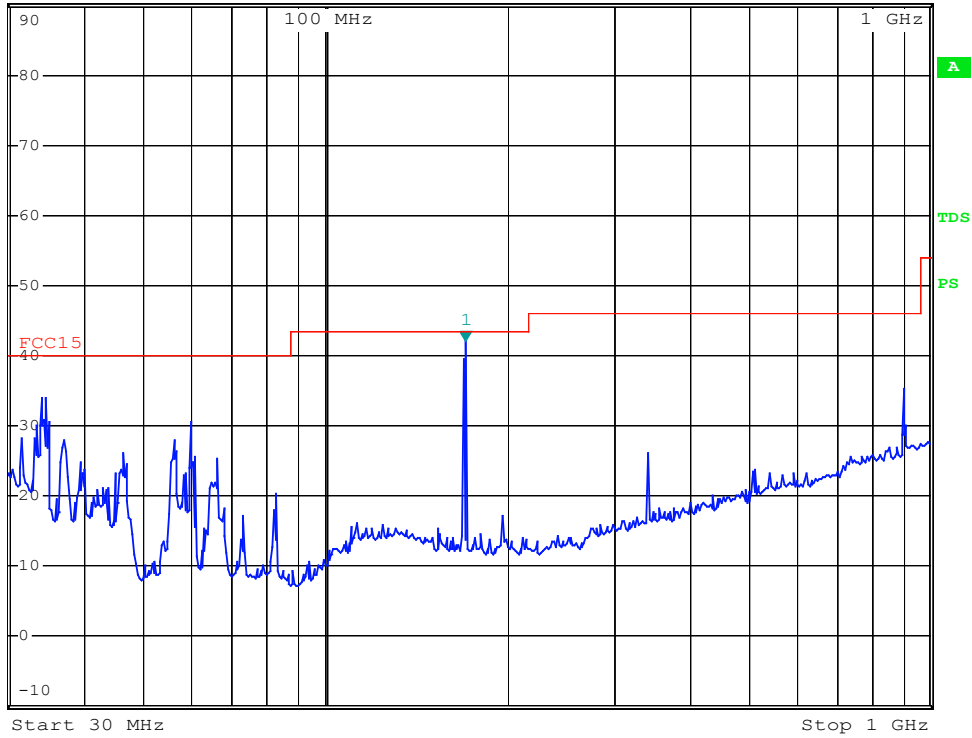
*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 42.18 dBμV
*SWT 300 ms 170.792624567 MHz

Ref 90 dBμV

*Att 10 dB

170.792624567 MHz

1 PK
VIEW



CMA 7" LCD TV & Radio M/N:KCL8806DT Radiation Weather Band

Vertical

Date: 6.FEB.2006 10:07:25