document property name.

ELECTROMAGNETIC EMISSION COMPLIANCE REPORT FOR FCC CLASS B CERTIFICATION

Test report file number	**: E01NR-022**
Applicant	**: HAN GIL TELECOM CO., LTD.**
Address	**: 222-1, Suwolam-Ri, Seotan-Myun, Pyungtaek-Si, Kyungki-Do, Korea**
Manufacturer	**: HAN GIL TELECOM CO., LTD.**
Address	**: 222-1, Suwolam-Ri, Seotan-Myun, Pyungtaek-Si, Kyungki-Do, Korea**
Type of Equipment	**: LCD MONITOR**
FCC ID.	**: PXWHLM170M**
Model / Type No.	**: HLM170M**
Serial number	**: N/A**
Total page of Report	**: 22 pages (including this page)**
Date of Incoming	**: Oct 8, 2001**
Date of issue	**: Nov 9, 2001**

SUMMARY

The equipment complies with the regulation; ***FCC PART 15 CFR 47 SUBPART B, Class B.***

This test report contains only the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.

Prepared by: Y. K. Nam / Asst. Chief Engineer
EMC Dept.
ONETECH Corp.

Approved by: Y. K. Kwon / Chief Engineer
EMC Dept.
ONETECH Corp.

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1. VERIFICATION OF COMPLIANCE

APPLICANT	: HAN GIL TELECOM CO., LTD.
ADDRESS	: 222-1, Suwolam-Ri, Seotan-Myun, Pyungtaek-Si, Kyungki-Do, Korea
CONTACT PERSON	: Seung-Su, Lee / Engineer
TELEPHONE NO	: +82-2-3016-0285
FCC ID	: PXWHLM170M
MODEL NO/NAME	: HLM170M
SERIAL NUMBER	: N/A
DATE	: Nov 9, 2001

DEVICE TYPE	Peripheral Device for Class B Computing Device -UNINTENTIONAL RADIATOR
E.U.T. DESCRIPTION	LCD MONITOR
THIS REPORT CONCERNS	ORIGINAL GRANT
MEASUREMENT PROCEDURES	ANSI C63.4/1992
TYPE OF EQUIPMENT TESTED	PRE-PRODUCTION
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	CERTIFICATION
EQUIPMENT WILL BE OPERATED UNDER FCC RULES PART(S)	FCC PART 15 SECTION 15.101(CLASS B)
MODIFICATIONS ON THE EQUIPMENT TO ACHIEVE COMPLIANCE	No
FINAL TEST WAS CONDUCTED ON	3 METER OPEN AREA TEST SITE

The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

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2. GENERAL INFORMATION

2.1 Product Description

The HAN GIL TELECOM CO., LTD., Model HLM170M (referred to as the EUT in this report) is a 17" LCD MONITOR, which has connectors for TV tuner input, Video RCA input terminal, Audio input/output and S-Video terminal as well as basic PC monitor and EUT has two display ports. The one is an analog RGB Input port and the other one is a DVI port. The applicant wants to use two LCD panels, which was manufactured by two manufacturers. The Verification report for TV Tuner shall be issued with other test report number. Product specification described herein was obtained from product data sheet or user's manual.

CHASSIS TYPE	Plastic – Non coated	
LIST OF EACH OSC. OR CRY. FREQ.(FREQ.>=1MHz)	12.0 MHz, 14.318 MHz on the main board	
LCD PANEL SPEC.	LTM170EH-L01 / Samsung	HT17E11-200 / Hyundai
DISPLAY AREA	337.92(H) x 270.336(V) mm	337.92(H) x 270.336(V) mm
DISPLAY COLORS	16.2M colors	16.7M colors
NEMBER OF PIXELS	1280 x 1024 pixel	1280 x 1024 pixel
PIXEL ARRANGEMENT	RGB vertical stripe	RGB vertical stripe
PIXEL PITCH	0.264(H) x 0.264(V) mm	0.264(H) x 0.264(V) mm
DISPLAY MODE	Normally White	Normally White
DISPLAY RESOLUTION	Maximum : 1280 x 1024, 75Hz Basic : 1280 x 1024, 60Hz	
FREQUENCY	Horizontal : 31.5 ~ 80 KHz Vertical : 56 ~ 75 Hz	
POWER REQUIREMENT	Input:100-240Vac, 50/60Hz, 1.5A // Output:12Vdc, 4.16A, 40W	
USED AC/DC ADAPTERS	LSE9901B1250 manufactured by Li Shin International Enterprise Corp.	
NUMBER OF LAYERS	Main Board & Tuner Board : 4 Layers OSD Board & Inverter Board : 1 Layer	
EXTERNAL CONNECTORS	Analog RGB Video port, DVI port, Speaker Input, Headphone Input, DC Input, VCR Input, S-Video Input, Audio R-L, Line Out, Antenna Input.	

Model Differences:

-. None

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2.2 Related Submittal(s) / Grant(s)

-. Original submittal only

2.3 Test System Details

The model numbers for all the equipments, which were used in the tested system, is:

Model	Manufacturer	Description	FCC ID	Connected to
HLM170M	HAN GIL TELECOM CO., LTD.	LCD MONITOR (EUT)	PXWHLM170M	PC
LSE9901B1250	Li Shin International Enterprise Corp	AC/DC ADAPTER	N/A	EUT
KDT-3863	KDS	PC	EVOKDT-3861	EUT
GHV-S9990	GOLDSTAR	VCR	N/A	EUT
BTC-5360	BTC	KEYBOARD	DoC	PC
OK-720	A-Tech	MOUSE	DoC	PC
2225C	HP	PRINTER	DSI6XU2225	PC
020-0470	CARDINAL	MODEM	GDE0196	PC
M POP	N/A	SPEAKER	N/A	EUT

2.4 Test Methodology

Both conducted and radiated testing was performed according to the procedures in ANSI C63.4/1992.

Radiated testing was performed at a distance of 3 meters from EUT to the antenna.

2.5 Test Facility

The open area test site and conducted measurement facilities are located on at 426-1 Daessangryung-Ri, Chowol-Myun, Kwangju-Kun, Kyunggi-Do 464-080 Korea. Description details of test facilities were submitted to the Commission on January 12, 1999. (Registration Number: 92819)

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3. SYSTEM TEST CONFIGURATION

3.1 Justification

This device was configured for testing in a typical way as a normal customer is supposed to be used. During the test, the following components were installed inside of the EUT.

DEVICE TYPE	MANUFACTURER	MODEL/PART NUMBER	FCC ID
Main Board	NID	HLM170M MAIN (B/D)	N/A
Tuner Board	NID	HLM170M MAIN (B/D)	N/A
Inverter Board	DS PLUS	DS-1007NF-SS	N/A
OSD Board	HAN GIL TELECOM CO., LTD.	HLM170M FUNCTION (B/D)	N/A
LCD Panel 1	Hyundai Display Technology	HT17E11-200	N/A
LCD Panel 2	Samsung Electronics	LTM170EH-L01	N/A

The EUT has 2 LCD Panels, so tests were performed at each two panels and each test data for two panels were recorded in this report.

3.2 EUT exercise Software

The EUT has a 20pin D-sub port for display digital and a 15pin D-sub port for display analog, so test was performed at both display modes for getting maximum noise level.

The video card, which was installed into a PC has 2 ports for analog and digital signal, so the above 2 signal cables were connected between PC and EUT simultaneously.

The windows program used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use. This program was included into HOST. Once loaded, this program sequentially exercises each system component in turn. The sequence used is: (1) series of “H” characters are printed on the monitor until the screen is completely full, (2) copy series of “H” characters to mass storage device (if one is used), (3) print series of “H” characters to printer. The complete cycle is repeated continuously.

The test was performed about each resolution from minimum resolution to maximum resolution for getting maximum noise level and the investigated maximum resolution mode of the EUT was 1280 x 1024, 60Hz at digital mode and 1280 x 1024, 75Hz at analog mode.

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3.3 Cable Description

	Power Cord Shielded (Y/N)	I/O cable Shielded (Y/N)	Length (M)
LCD MONITOR (EUT)	N	Y	1.5(P), 1.2(D)
AC/DC ADAPTER	N	N/A	1.2(P)
PERSONAL COMPUTER	N	Y	1.5(P), 1.2(D)
VCR	N	N	1.3(P), 1.0(D)
KEYBOARD	N/A	Y	1.2(D)
MOUSE	N/A	Y	1.2(D)
PRINTER	N	Y	1.5(P), 1.2(D)
MODEM	N	Y	1.5(P), 1.2(D)
SPEAKER	N	N	1.5(P), 1.0(D)

* The marked "(D)" means the Data Cable and "(P)" means the Power Cable.

3.4 Noise Suppression Parts on Cable

	Ferrite Bead (Y/N)	Location	Metal Hood (Y/N)	Location
LCD MONITOR (EUT)	Y	BOTH END	Y	BOTH END
AC/DC ADAPTER	Y	EUT END	Y	EUT END
PERSONAL COMPUTER	-	-	-	-
VCR	N	N/A	Y	BOTH END
KEYBOARD	N	N/A	Y	PC END
MOUSE	N	N/A	Y	PC END
PRINTER	N	N/A	Y	BOTH END
MODEM	N	N/A	Y	BOTH END
SPEAKER	N	N/A	Y	EUT END

3.5 Equipment Modifications

To achieve compliance to CLASS B levels, the following change(s) was made by ONETECH Corp. during compliance testing:

"There was no Modified items during EMI test"

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3.6 Configuration of Test System

Line Conducted Test: The EUT was connected to AC/DC adapter and the adapter was connected to LISN. All supporting equipments were connected to another LISN. Preliminary Power line Conducted Emission test was performed by using the procedure in ANSI C63.4/1992 7.2.3 to determine the worse operating conditions.

Radiated Emission Test: Preliminary radiated emission test was conducted using the procedure in ANSI C63.4/1992 8.3.1.1 to determine the worse operating conditions. Final radiated emission test was conducted at 3 meters open area test site.

4. PRELIMINARY TEST

4.1 AC Power line Conducted Emission Test

During Preliminary Test, the following operating mode was investigated

Operation Mode	The Worse operating condition (Please check one only)
Video Display Mode	
Resolution: 640 x 480	
Resolution: 800 x 600	
Resolution: 1024 x 768	
Resolution: 1280 x 1024	X

4.2 Radiated Emission Test

During Preliminary Test, the following operating mode was investigated

Operation Mode	The Worse operating condition (Please check one only)
Video Display Mode	
Resolution: 640 x 480	
Resolution: 800 x 600	
Resolution: 1024 x 768	
Resolution: 1280 x 1024	X

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5. FINAL RESULT OF MEASURMENT

Preliminary test was done in normal operation mode. And the final measurement was selected for the maximized emission level.

5.1 Conducted Emission Test for Digital mode

5.1.1 Used LCD Panel: LTM170EH-L01 made by Samsung Electronics Co., Ltd

Humidity Level : 48 % Temperature : 20•

Limits apply to : FCC CFR 47, PART 15, SUBPART B, SECTION 15.107

Type of Test : CLASS B

Result : PASSED BY –6.03 dB at 4.18 MHz

EUT : LCD MONITOR Date : Oct 27, 2001

Operating Condition : Continuously displayed "H" characters on the screen of EUT

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 9 kHz)

Resolution : 1280 x 1024, 60Hz

Power Line Conducted Emission			**FCC CLASS B**	
Frequency (MHz)	**Amplitude (dBuV)**	**Conductor**	**Limit (dBuV)**	**Margin (dB)**
0.45	33.64	Hot	48.00	-14.36
0.51	31.02	Hot	48.00	-16.98
3.50	41.33	Hot	48.00	-6.67
4.18	41.97	Hot	48.00	-6.03
7.28	37.46	Neutral	48.00	-10.54
9.60	35.69	Neutral	48.00	-12.31
15.64	37.70	Neutral	48.00	-10.30
17.66	38.40	Hot	48.00	-9.60

Line Conducted Emission Tabulated Data

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Tested by : Seung-Hyun, Nam / Test Engineer

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5.1.2 Used LCD Panel: HT17E11-200 made by Hyundai Display Technology, Inc.

Humidity Level : 48 % Temperature : 20•

Limits apply to : FCC CFR 47, PART 15, SUBPART B, SECTION 15.107

Type of Test : CLASS B

Result : PASSED BY –4.07 dB at 7.92 MHz

EUT : LCD MONITOR Date : Oct 27, 2001

Operating Condition : Continuously displayed "H" characters on the screen of EUT

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 9 kHz)

Resolution : 1280 x 1024, 60Hz

Power Line Conducted Emission			FCC CLASS B	
Frequency (MHz)	**Amplitude (dBuV)**	**Conductor**	**Limit (dBuV)**	**Margin (dB)**
0.45	33.57	Hot	48.00	-14.43
3.87	42.55	Neutral	48.00	-5.45
4.32	42.91	Neutral	48.00	-5.09
7.92	43.93	Hot	48.00	-4.07
9.39	41.41	Neutral	48.00	-6.59
10.06	41.03	Hot	48.00	-6.97
17.69	43.17	Hot	48.00	-4.83
18.24	42.99	Neutral	48.00	-5.01

Line Conducted Emission Tabulated Data

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Tested by : Seung-Hyun, Nam / Test Engineer

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5.2 Conducted Emission Test for Analog mode

5.2.1 Used LCD Panel: LTM170EH-L01 made by Samsung Electronics Co., Ltd.

Humidity Level : 48 % Temperature : 20•

Limits apply to : FCC CFR 47, PART 15, SUBPART B, SECTION 15.107

Type of Test : CLASS B

Result : PASSED BY –4.03 dB at 9.94 MHz

EUT : LCD MONITOR Date : Oct 27, 2001

Operating Condition : Continuously displayed "H" characters on the screen of EUT

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 9 kHz)

Resolution : 1280 x 1024, 75Hz

Power Line Conducted Emission			**FCC CLASS B**	
Frequency (MHz)	**Amplitude (dBuV)**	**Conductor**	**Limit (dBuV)**	**Margin (dB)**
0.45	32.41	Hot	48.00	-15.59
3.70	43.17	Neutral	48.00	-4.83
7.92	42.65	Hot	48.00	-5.35
8.72	42.16	Hot	48.00	-5.84
9.94	43.97	Neutral	48.00	-4.03
10.06	41.11	Hot	48.00	-6.89
17.69	42.31	Neutral	48.00	-5.69
19.71	38.98	Hot	48.00	-9.02

Line Conducted Emission Tabulated Data

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Tested by : Seung-Hyun, Nam / Test Engineer

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5.2.2 Used LCD Panel: HT17E11-200 made by Hyundai Display Technology, Inc.

Humidity Level : 48 % Temperature : 20•

Limits apply to : FCC CFR 47, PART 15, SUBPART B, SECTION 15.107

Type of Test : CLASS B

Result : PASSED BY –4.23 dB at 18.24 MHz

EUT : LCD MONITOR Date : Oct 27, 2001

Operating Condition : Continuously displayed "H" characters on the screen of EUT

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 9 kHz)

Resolution : 1280 x 1024, 75Hz

Power Line Conducted Emission			FCC CLASS B	
Frequency (MHz)	**Amplitude (dBuV)**	**Conductor**	**Limit (dBuV)**	**Margin (dB)**
3.98	41.74	Hot	48.00	-6.26
4.15	42.04	Hot	48.00	-5.96
7.92	41.66	Hot	48.00	-6.34
8.50	42.28	Hot	48.00	-5.72
9.39	41.73	Hot	48.00	-6.27
16.90	41.95	Hot	48.00	-6.05
17.69	43.31	Hot	48.00	-4.69
18.24	43.77	Hot	48.00	-4.23

Line Conducted Emission Tabulated Data

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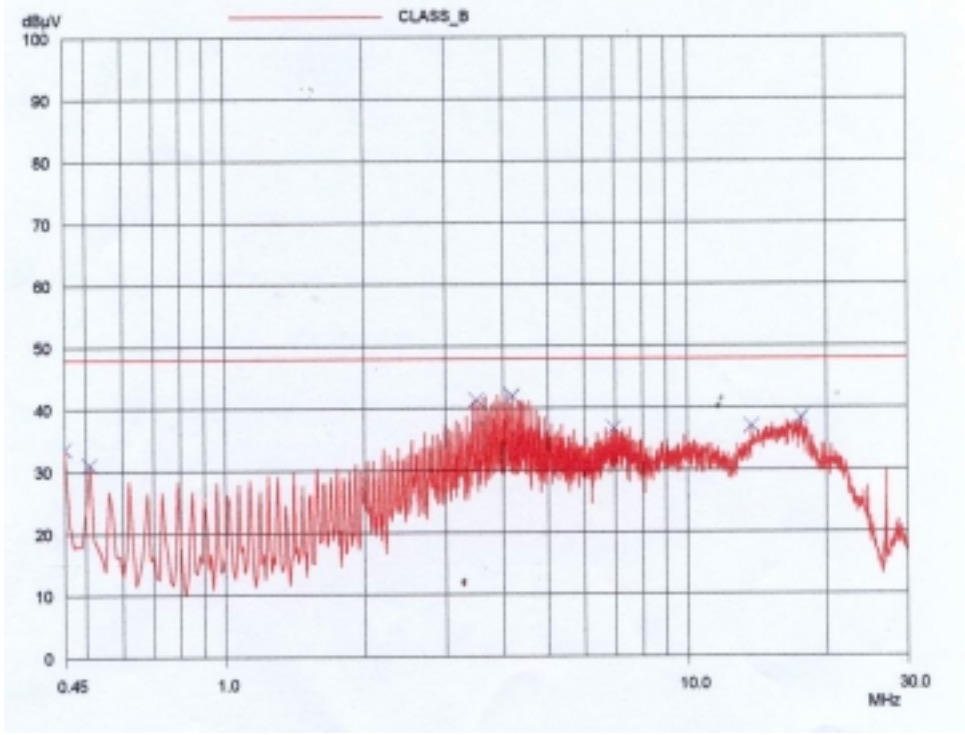
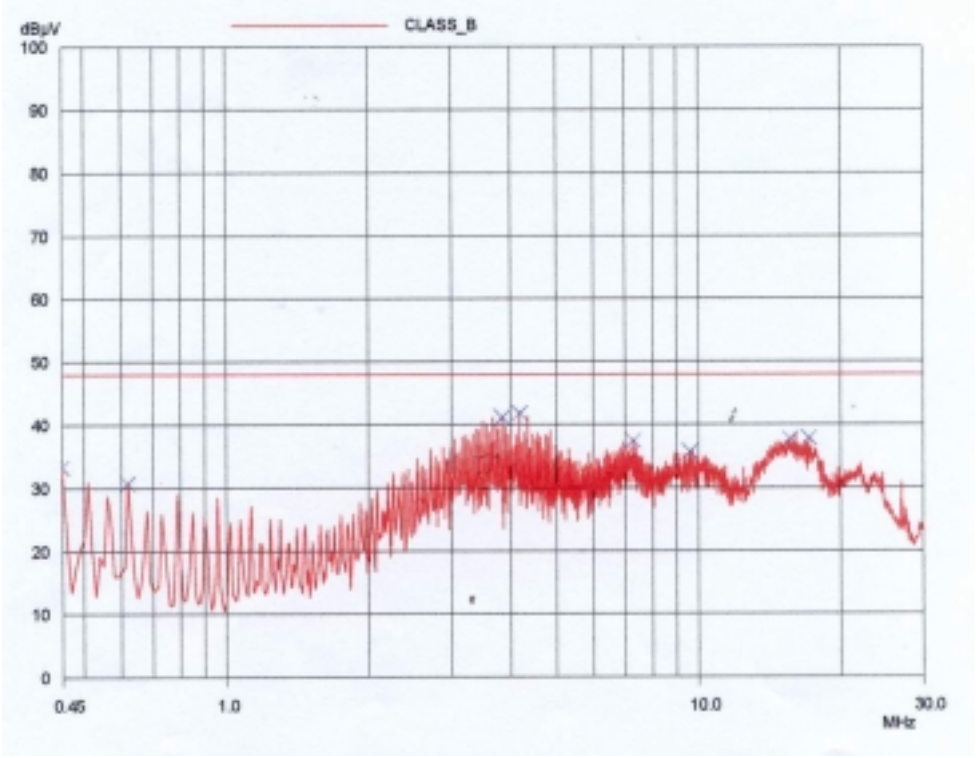
Tested by : Seung-Hyun, Nam / Test Engineer

Displayed Mode : Digital mode

Used Panel : LTM170EH-L01 made by Samsung Electronics Co., Ltd.



HOT LINE



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NEUTRAL LINE

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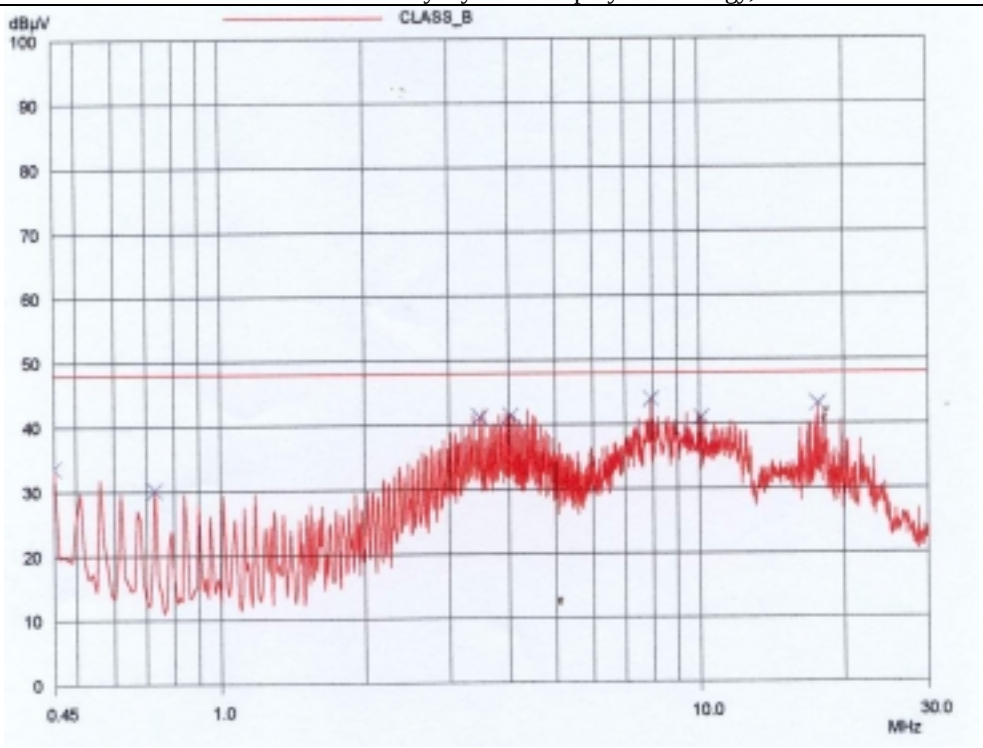
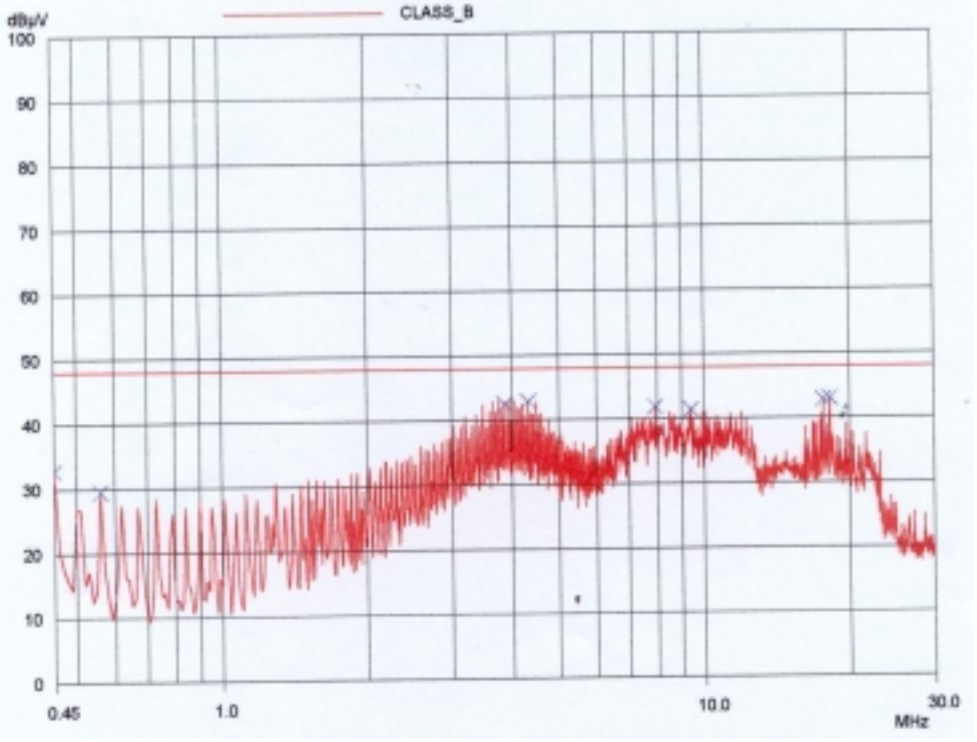
Displayed Mode : Digital mode

Used Panel : HT17E11-200 made by Hyundai Display Technology, Inc.



HOT LINE



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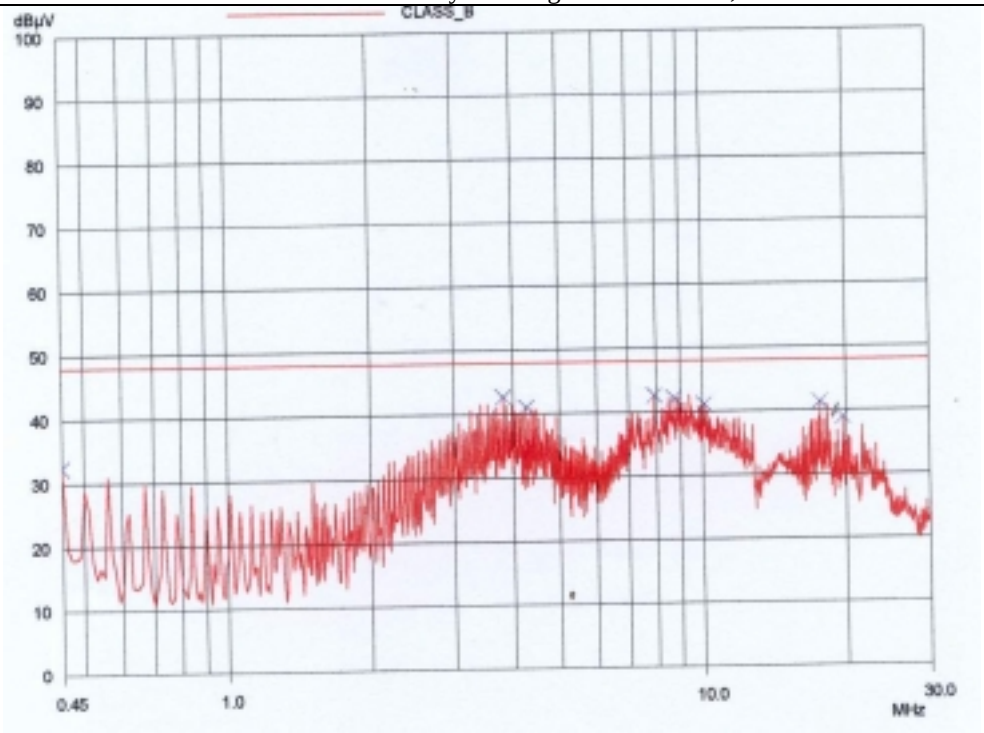
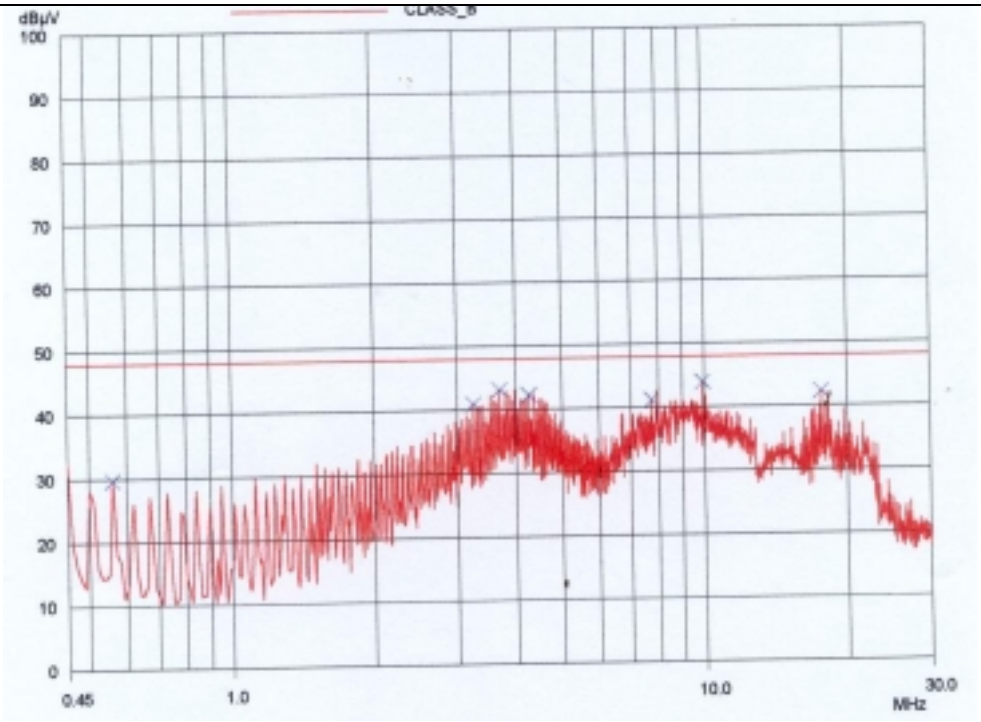
document property name.

Displayed Mode : Analog mode

Used Panel : LTM170EH-L01 made by Samsung Electronics Co., Ltd.



HOT LINE



NEUTRAL LINE

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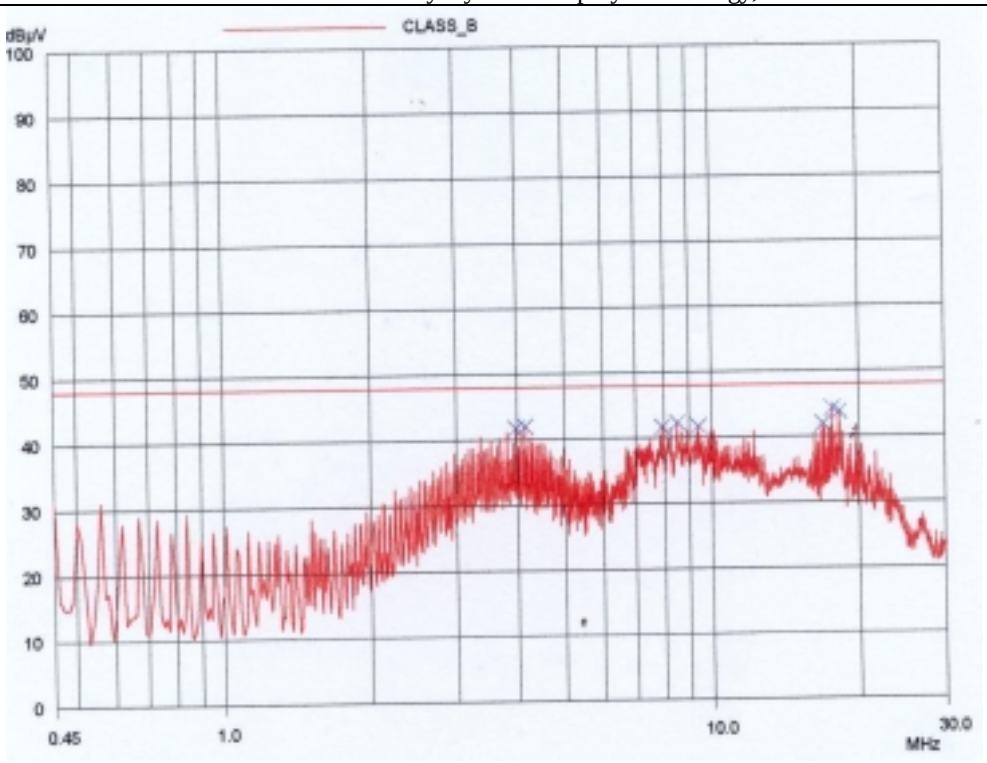
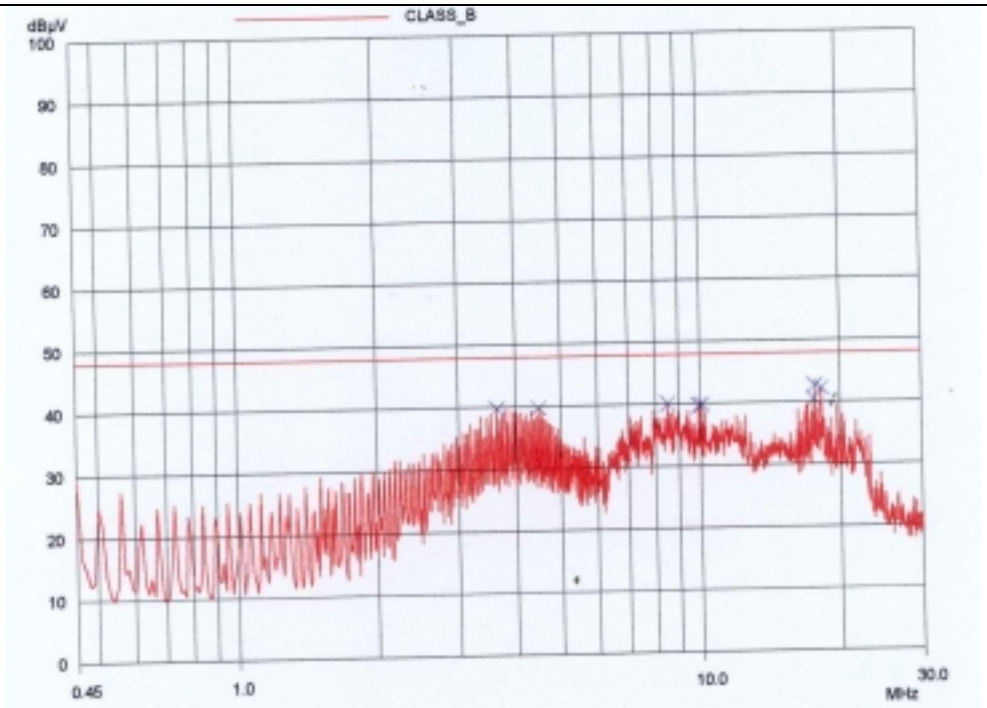
Displayed Mode : Analog mode

Used Panel : HT17E11-200 made by Hyundai Display Technology, Inc.



HOT LINE



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document property name.

5.3 Radiated Emission Test for Digital mode

The following table shows the highest levels of radiated emission on both polarizations of horizontal and vertical.

5.3.1 Used LCD Panel: LTM170EH-L01 made by Samsung Electronics Co., Ltd.

Humidity Level : 45 % Temperature : 20•

Limits apply to : FCC CFR 47, PART 15, SUBPART B, SECTION 15.109

Type of Test : CLASS B

Result : PASSED BY –4.15 dB at 945.6 MHz

EUT : LCD MONITOR Date: November 5, 2001

Operating Condition : Continuously displayed "H" characters on the screen of EUT

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz)

Distance : 3 Meter

Resolution : 1280 x 1024, 60Hz

Radiated Emission		Ant	Correction Factors		Total	FCC CLASS B	
Freq. (MHz)	Amp. (dBuV)	Pol.	Ant. (dBuV/m)	Cable (dB)	Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
83.53	22.00	V	7.05	1.07	30.12	40.00	-9.88
137.90	17.60	V	12.93	1.30	31.83	43.50	-11.67
168.56	17.80	V	15.57	1.42	34.79	43.50	-8.71
196.22	15.70	H	16.97	1.55	34.22	43.50	-9.28
224.40	29.00	H	10.69	1.70	41.39	46.00	-4.61
242.80	22.90	V	11.49	1.79	36.18	46.00	-9.82
280.80	21.60	V	13.37	1.92	36.89	46.00	-9.11
337.20	24.20	V	14.41	2.21	40.82	46.00	-5.18
393.60	22.20	V	15.28	2.42	39.90	46.00	-6.10
404.60	23.70	V	15.53	2.44	41.67	46.00	-4.33
810.00	16.00	V	21.41	3.73	41.14	46.00	-4.86
837.20	15.40	V	22.06	3.80	41.26	46.00	-4.74
945.60	14.80	V	22.96	4.09	41.85	46.00	-4.15

Radiated Emission Tabulated Data

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Tested by: Seung-Hyun, Nam / Test Engineer

5.3.1 Used LCD Panel: HT17E11-200 made by Hyundai Display Technology, Inc.

Humidity Level : 45 % Temperature : 20•

Limits apply to : FCC CFR 47, PART 15, SUBPART B, SECTION 15.109

Type of Test : CLASS B

Result : PASSED BY –4.23 dB at 81.86MHz

EUT : LCD MONITOR Date: November 5, 2001

Operating Condition : Continuously displayed "H" characters on the screen of EUT

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz)

Distance : 3 Meter

Resolution : 1280 x 1024, 60Hz

Radiated Emission		Ant	Correction Factors		Total	FCC CLASS B	
Freq. (MHz)	Amp. (dBuV)	Pol.	Ant. (dBuV/m)	Cable (dB)	Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
46.10	19.30	V	10.52	0.89	30.71	40.00	-9.29
50.40	17.80	V	11.15	0.93	29.88	40.00	-10.12
81.86	28.00	V	6.73	1.04	35.77	40.00	-4.23
83.99	25.00	V	7.14	1.08	33.22	40.00	-6.78
98.57	20.90	H	11.24	1.14	33.28	43.50	-10.22
138.06	13.90	H	12.93	1.30	28.13	43.50	-15.37
155.90	16.40	H	14.58	1.37	32.35	43.50	-11.15
168.50	14.80	H	15.57	1.42	31.79	43.50	-11.71
224.40	19.90	H	10.69	1.70	32.29	46.00	-13.71
393.60	16.50	H	15.28	2.42	34.20	46.00	-11.80
787.60	15.00	H	21.03	3.66	39.69	46.00	-6.31
945.00	14.50	H	22.95	4.09	41.54	46.00	-4.46
972.00	12.40	H	23.48	4.14	40.02	54.00	-13.98

Radiated Emission Tabulated Data

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Tested by: Seung-Hyun, Nam / Test Engineer

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5.4 Radiated Emission Test for Analog mode

The following table shows the highest levels of radiated emission on both polarizations of horizontal and vertical.

5.4.1 Used LCD Panel: LTM170EH-L01 made by Samsung Electronics Co., Ltd.

Humidity Level : 45 % Temperature : 20•

Limits apply to : FCC CFR 47, PART 15, SUBPART B, SECTION 15.109

Type of Test : CLASS B

Result : PASSED BY –4.08 dB at 337.20MHz

EUT : LCD MONITOR Date: November 5, 2001

Operating Condition : Continuously displayed "H" characters on the screen of EUT

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz)

Distance : 3 Meter

Resolution : 1280 x 1024, 75Hz

Radiated Emission		Ant	Correction Factors		Total	FCC CLASS B	
Freq. (MHz)	Amp. (dBuV)	Pol.	Ant. (dBuV/m)	Cable (dB)	Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
83.54	25.30	V	7.05	1.07	33.42	40.00	-6.58
98.45	20.10	V	11.20	1.14	32.44	43.50	-11.06
112.07	21.90	V	13.82	1.21	36.93	43.50	-6.57
155.09	16.80	V	14.49	1.37	32.66	43.50	-10.84
168.50	19.00	V	15.57	1.42	35.99	43.50	-7.51
224.20	26.00	H	10.70	1.70	38.40	46.00	-7.60
242.80	26.40	H	11.49	1.79	39.68	46.00	-6.32
280.80	24.20	H	13.37	1.92	39.49	46.00	-6.51
337.20	25.30	V	14.41	2.21	41.92	46.00	-4.08
393.60	21.70	V	15.28	2.42	39.40	46.00	-6.60
404.60	23.80	V	15.53	2.44	41.77	46.00	-4.23
837.20	15.70	H	22.06	3.80	41.56	46.00	-4.44
945.60	14.60	H	22.96	4.09	41.65	46.00	-4.35

Radiated Emission Tabulated Data

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Tested by: Seung-Hyun, Nam / Test Engineer

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5.4.2 Used LCD Panel: HT17E11-200 made by Hyundai Display Technology, Inc.

Humidity Level : 45 % Temperature : 20•

Limits apply to : FCC CFR 47, PART 15, SUBPART B, SECTION 15.109

Type of Test : CLASS B

Result : PASSED BY –4.06 dB at 810.0MHz

EUT : LCD MONITOR Date: November 5, 2001

Operating Condition : Continuously displayed "H" characters on the screen of EUT

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz)

Distance : 3 Meter

Resolution : 1280 x 1024, 75Hz

Radiated Emission		Ant	Correction Factors		Total	FCC CLASS B	
Freq. (MHz)	Amp. (dBuV)	Pol.	Ant. (dBuV/m)	Cable (dB)	Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
37.62	18.30	V	10.74	0.81	29.85	40.00	-10.15
50.08	17.20	V	11.19	0.93	29.32	40.00	-10.68
168.59	14.20	V	15.57	1.42	31.19	43.50	-12.31
224.20	21.20	H	10.70	1.70	33.60	46.00	-12.40
242.80	26.00	H	11.49	1.79	39.28	46.00	-6.72
404.60	23.50	H	15.53	2.44	41.47	46.00	-4.53
673.20	13.20	H	20.64	3.17	37.01	46.00	-8.99
773.20	12.10	H	20.85	3.60	36.55	46.00	-9.45
783.20	16.90	H	20.96	3.64	41.50	46.00	-4.50
810.00	16.80	H	21.41	3.73	41.94	46.00	-4.06
824.00	14.80	H	21.71	3.75	40.26	46.00	-5.74
900.80	14.80	H	22.61	3.94	41.35	46.00	-4.65
945.60	14.50	H	22.96	4.09	41.55	46.00	-4.45

Radiated Emission Tabulated Data

Tested by: Seung-Hyun, Nam / Test Engineer

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6. FIELD STRENGTH CALCULATION

Meter readings are compared to the specification limit correcting for antenna and cable losses

+ Meter reading (dBuV)

+ Cable Loss (dB)

+ Antenna Factor (Loss) (dB/meter)

= Corrected Reading (dBuV/meter)

- Specification Limit (dBuV/meter)

= dB Relative to Spec (+/- dB)

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7. LIST OF TEST EQUIPMENT

No.	EQUIPMENTS	MFR.	MODEL	SER. NO.	LAST CAL	DUE CAL	USE
1.	Test receiver	R/S	ESVS 10	827864/005	OCT/01	12MONTH	
2.	Test receiver	R/S	ESHS10	834467/007	APR/01	12MONTH	
3.	Spectrum analyzer	HP	8568B	3026A0226	APR/01	12MONTH	
4.	RF preselector	HP	85685A	3107A01264	APR/01	12MONTH	
5.	Quasi-Peak Adapter	HP	85650A	3107A01542	APR/01	12MONTH	
6.	Dipole Antenna	EMCO	3121C	9107-745	JUN/00	12MONTH	
7.	Biconical antenna	EMCO	3104C	9109-4441 9109-4443 9109-4444	MAR/01	12MONTH	
8.	Log Periodic antenna	EMCO	3146	9109-3213 9109-3214 9109-3217	JUN/01	12MONTH	
9.	LISN	EMCO	3825/2	9109-1867 9109-1869	JUN/01	12MONTH	
10.	RF Amplifier	HP	8447F	3113A04554	JUN/01	N/A	
11.	Spectrum Analyzer	HP	8591A	3131A02312	APR/01	12MONTH	
12.	Computer System Hard disk drive	HP	98581C 9153C	98543A CMC762Z9153	N/A N/A	N/A N/A	
13.	Plotter	HP	7475A	30052 22986	N/A	N/A	
14.	Position Controller	EMCO	1090	9107-1038	N/A	N/A	
15.	Turn Table	EMCO	1080-1.21	9109-1576	N/A	N/A	
16.	Antenna Master	EMCO	1070-1	9109-1624	N/A	N/A	

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