

Application for FCC Certification
On behalf of
LegenTek, Inc

Fireplace Remote control system

Model No.: LGT202TX

Serial No.: E07081023

FCC ID : VNJ202TX

Prepared For : LegenTek, Inc
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Date of Test : Aug 15-24, 2007
Date of Report : Aug 25, 2007

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TEST REPORT FOR FCC CERTIFICATION

Applicant : LegenTek, Inc
Manufacturer : Power-Mag (Suzhou) Electronics Co., Ltd.
EUT Description : Fireplace Remote control system
(A) Model No. : LGT202TX
(B) Serial No. : E07081023
(C) Power Supply : DC 3V (Battery)
(D) Crystal Frequency : 433.92MHz

Test Procedure Used:

*FCC RULES AND REGULATIONS PART 15 SUBPART C MAY 2007
AND ANSI C63.4:2003*

The device described above is tested by Audix Technology (Shanghai) Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits radiated emission.

The test results are contained in this test report and Audix Technology (Shanghai) Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. This report shows that the EUT (M/N: LGT202TX; S/N: E07081023), which was tested in 3m anechoic chamber on Aug 15-24, 2007 to be technically compliant with the FCC official limits also.

The test results for receiver part function are contained in No.: EM-F960415(ACI), a Declaration of Conformity report.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shanghai) Co., Ltd.

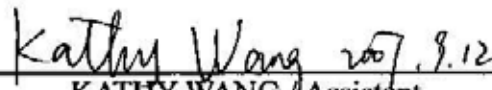
This report contains data that are not covered by the NVLAP accreditation.

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government by the client.

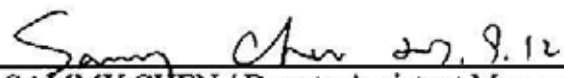
Date of Test :

Aug 15-24, 2007

Prepared By:

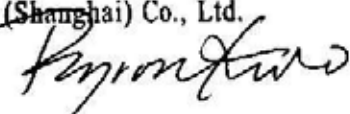

KATHY WANG / Assistant

Reviewer:


SAMMY CHEN / Deputy Assistant Manager

 For and on behalf of
Audix Technology (Shanghai) Co., Ltd.

Approved Signatory:


Authorized Signature EMC BYRON KWO / Manager

1 SUMMARY OF STANDARDS AND RESULTS

1.1 Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below:

Description / Test Item	Test Standard	Results	Meets Limit
Radiated Disturbance	FCC RULES AND REGULATIONS PART 15 SUBPART C MAY 2007 AND ANSI C63.4:2003	Pass	15.209
Fundamental and Spurious	FCC RULES AND REGULATIONS PART 15 SUBPART C MAY 2007 AND ANSI C63.4:2003	Pass	15.231 (b)
Bandwidth	FCC RULES AND REGULATIONS PART 15 SUBPART C MAY 2007 AND ANSI C63.4:2003	Pass	15.231 (c)

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description : Fireplace Remote control system

Type of EUT : ☒ Production ☐ Pre-product ☐ Pro-type

Model No. : LGT202TX

Serial No. : E07081023

Note : The EUT has 6 buttons (On/Off/Sound/Mode/HI/LO).
“ON” means ON Remote Control.
“OFF” means OFF Remote Control.
“SOUND” means Fire Crackle Sound ON/OFF.
“MODE” means AUTO/MANU mode select.
“HI” means Set point increase.
“LO” means Set point decrease.

Applicant : LegenTek, Inc
67 E. Live Oak Avenue, Suite 101, Arcadia,
CA 91006, USA

Manufacturer : Power-Mag (Suzhou) Electronics Co., Ltd
No.3 Chunhui Road, Suzhou Industrial Park,
Suzhou City, Jiangsu Province, China

2.2 Description of Test Facility

Site Description (Semi-Anechoic Chamber) : Sept. 17, 1998 file on
August 15, 2003 Renewed
Federal Communications Commission
FCC Engineering Laboratory
7435 Oakland Mills Road
Columbia, MD 21046, USA

Name of Firm : Audix Technology (Shanghai) Co., Ltd.

Site Location : 3F 34Bldg 680 Guiping Rd.,
Caohejing Hi-Tech Park,
Shanghai, China 200233

FCC registration Number : 91789

Accredited by NVLAP, Lab Code : 200371-0

2.3 Measurement Uncertainty

Radiated Emission Expanded Uncertainty : $U = 2.96\text{dB}$

3 RADIATED EMISSION TEST

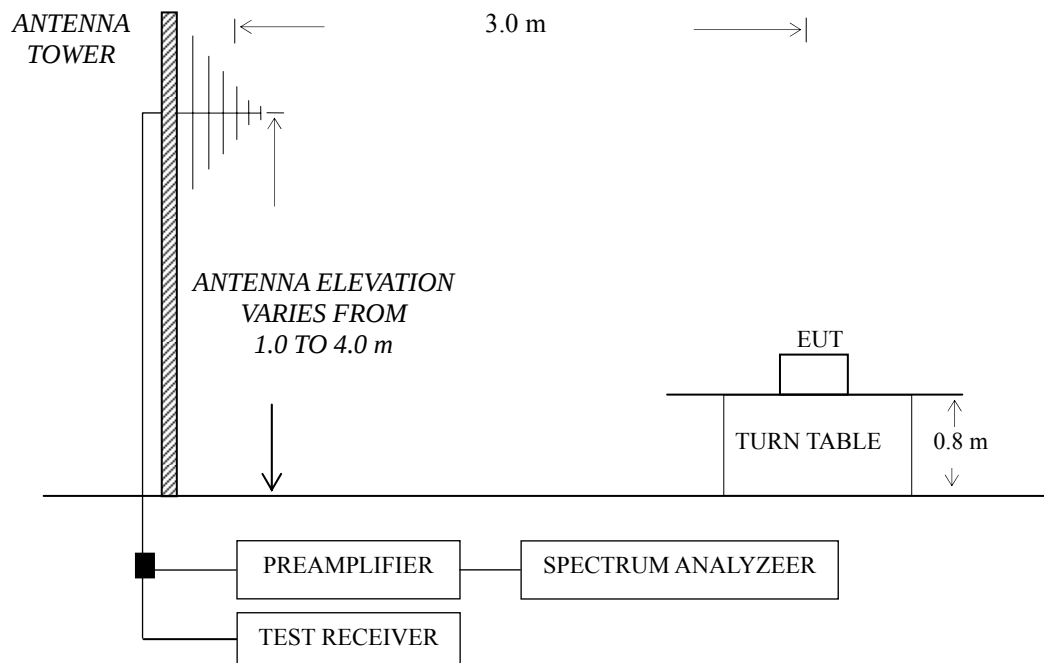
3.1 Test Equipment

The following test equipment are used during the radiated emission test in a semi-anechoic chamber:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E7405A	MY45106600	Apr 06, 2007	Apr 06, 2008
2.	Bilog Antenna	Chase	CBL6111	1145	Mar 18, 2007	Sep 18, 2007
3.	Test Receiver	R&S	ESVS10	844594/001	Apr 06, 2007	Apr 06, 2008
4.	Preamplifier	HP	8447D	2944A10548	Mar 19, 2007	Sep 19, 2007
5.	Preamplifier	HP	8449B	3008A00864	Apr 06, 2007	Apr 06, 2008
6.	Horn Antenna	EMCO	3115	9607-4878	Apr 06, 2007	Apr 06, 2008
7.	50ΩCoaxial Switch	ANRITSU	MP59B	6200426390	Mar 18, 2007	Sep 18, 2007
8.	Software	Audix	E3	SET00200 9912M295-2	--	--

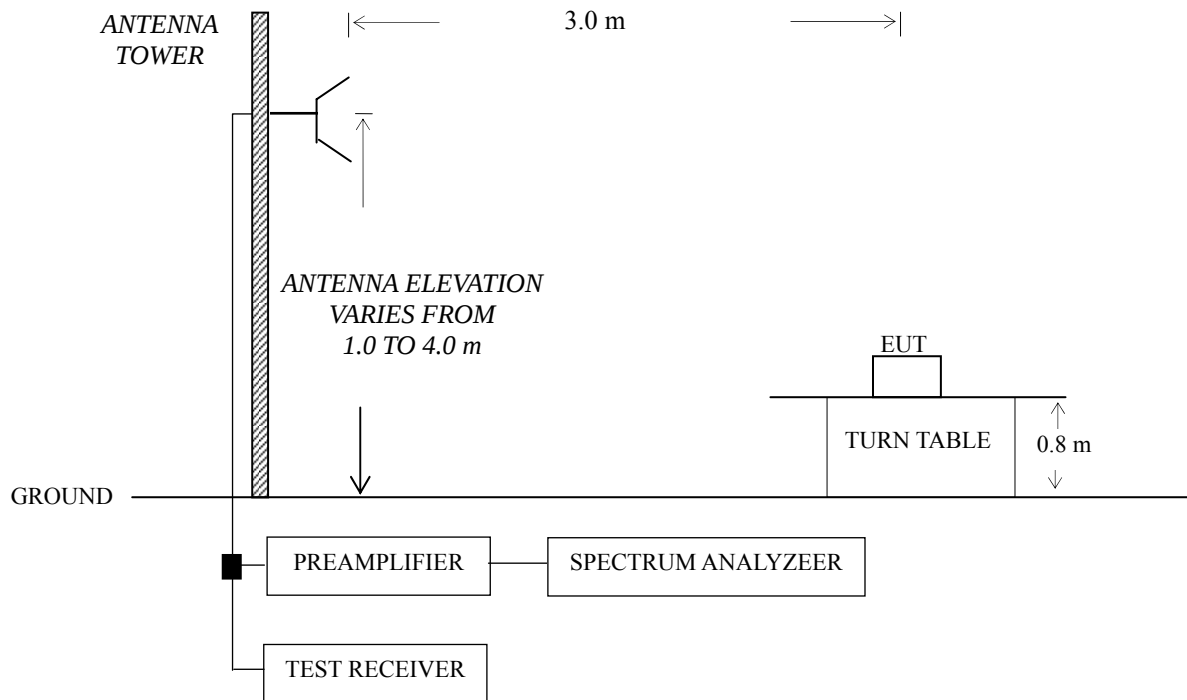
3.2 Block Diagram of Test Setup

For Low Frequency:



■ : 50 ohm Coaxial Switch

For High Frequency:



3.3 Radiated Emission Limit

Frequency (MHz)	Distance (m)	Field strength limits (μV/m)	
		(μV/m)	dB (μV/m)
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
Above 960	3	500	54.0

NOTE 1 - Emission Level dB (μV/m) = 20 lg Emission Level (μV/m)

NOTE 2 - The tighter limit applies at the band edges.

NOTE 3 - Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.4 Test Configuration

The EUT was installed as show on Sec. 3.2 in radiated emission test to meet FCC requirement and operating in a manner, which tend to maximize emission level in a normal application.

3.5 Operating Condition of EUT

- 3.5.1 Setup the EUT as shown in Sec. 3.2.
- 3.5.2 Press one of the buttons and make it transmit continuously. Then test it one by one.
- 3.5.3 Set the EUT on the test modes, and then test.

3.6 Test Procedures

The EUT was placed on a turntable, which is 0.8 meter above the ground. The turntable rotated 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna, which was mounted on an antenna tower. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (Calibrated Bilog Antenna or Horn Antenna) was used as a receiving antenna. Both horizontal and vertical polarization of the antenna was set on measurement. In order to find the maximum emission, all of the interference cables were manipulated.

The IF bandwidth setting on Test Receiver ESVS10 was 120 kHz when the frequency range from 30MHz to 1GHz was checked.

The IF bandwidth setting on Spectrum analyzer E7405A was 1MHz when the frequency range from 1G MHz to 2GHz was checked.

The test modes are as follows:

On Lying	On Side	On Stand
Off Lying	Off Side	Off Stand
Sound Lying	Sound Side	Sound Stand
Mode Lying	Mode Side	Mode Stand
HI Lying	HI Side	HI Stand
LO Lying	LO Side	LO Stand

The test modes were done on radiated disturbance test.

Please refer to Sec.3.7.

3.7 Test Results

<PASS>

The frequency and amplitude of the highest radiated emission relative the limit is reported. All the emissions not reported below are too low against the FCC limit.

Test Mode	Data Page	Test Mode	Data Page
On Lying	P11	Mode Lying	P20
On Side	P12	Mode Side	P21
On Stand	P13	Mode Stand	P22
Off Lying	P14	HI Lying	P23
Off Side	P15	HI Side	P24
Off Stand	P16	HI Stand	P25
Sound Lying	P17	LO Lying	P26
Sound Side	P18	LO Side	P27
Sound Stand	P19	LO Stand	P28

NOTE 1 – Level = Read Level + Antenna Factor + Cable Loss
– Preamp Factor.

NOTE 2 – The readings that below 1000 MHz are Quasi-Peak values and above 1GHz are Peak values.
Because the level has 20dB margin against peak limit line so the Average value are omitted.

NOTE 4 - 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

NOTE 5 - The worst emission at horizontal polarization was detected at 708.03 MHz (Test Mode: HI Side) with corrected signal level of 31.40 dB (μV/m) (limit is 46.00 dB (μV/m)), when the antenna was height 1.00m and the turntable was at 50°.

NOTE 6 - The worst emission at vertical polarization was detected at 803.09 MHz (Test Mode: HI Side) with corrected signal level of 34.96 dB (μV/m) (limit is 46.00 dB (μV/m)), when the antenna was height 1.00m and the turntable was at 325°.

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : On Lying

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	31.94	0.67	15.50	--	0.92	16.42	17.09	40.00	-22.91	QP
	85.29	1.22	11.51	--	1.57	13.08	14.30	40.00	-25.70	
	214.3	0.79	13.33	--	2.48	15.81	16.60	43.50	-26.90	
	352.04	1.70	15.83	--	3.38	19.21	20.91	46.00	-25.09	
	533.43	1.00	20.36	--	4.07	24.43	25.43	46.00	-20.57	
	793.39	0.38	23.75	--	5.36	29.11	29.49	46.00	-16.51	
	1042.00	47.75	24.30	37.58	6.18	-7.10	40.65	74.00	-33.35	PK
	1227.00	47.65	25.14	37.11	6.82	-5.15	42.50	74.00	-31.50	
	1424.00	47.33	25.88	36.68	7.05	-3.75	43.58	74.00	-30.42	
	1607.00	46.75	26.49	36.33	7.76	-2.08	44.67	74.00	-29.33	
	1782.00	45.57	27.02	36.03	8.58	-0.43	45.14	74.00	-28.86	
	1969.00	46.35	27.51	35.74	9.15	0.92	47.27	74.00	-26.73	
Vertical	53.28	1.12	9.66	--	1.07	10.73	11.85	40.00	-28.15	QP
	77.53	0.11	12.26	--	1.50	13.76	13.87	40.00	-26.13	
	143.49	3.00	11.25	--	2.03	13.28	16.28	43.50	-27.22	
	279.29	7.78	13.47	--	3.00	16.47	24.25	46.00	-21.75	
	484.93	2.09	19.77	--	3.94	23.71	25.80	46.00	-20.20	
	780.78	1.31	23.39	--	5.28	28.67	29.98	46.00	-16.02	
	1059.00	47.07	24.39	37.54	6.26	-6.89	40.18	74.00	-33.82	PK
	1206.00	46.27	25.05	37.15	6.79	-5.31	40.96	74.00	-33.04	
	1377.00	45.66	25.72	36.77	7.00	-4.05	41.61	74.00	-32.39	
	1593.00	45.81	26.45	36.36	7.66	-2.25	43.56	74.00	-30.44	
	1694.00	44.92	26.75	36.18	8.30	-1.13	43.79	74.00	-30.21	
	1882.00	45.47	27.29	35.87	8.87	0.29	45.76	74.00	-28.24	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : On Side

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	67.83	0.19	12.10	--	1.37	13.47	13.66	40.00	-26.34	QP
	123.12	0.05	11.98	--	1.89	13.87	13.92	43.50	-29.58	
	237.58	1.22	13.67	--	2.68	16.35	17.57	46.00	-28.43	
	392.78	1.49	17.63	--	3.57	21.2	22.69	46.00	-23.31	
	533.43	1.31	20.36	--	4.07	24.43	25.74	46.00	-20.26	
	790.48	0.82	23.68	--	5.32	29.00	29.82	46.00	-16.18	
	1088.00	45.76	24.52	37.46	6.89	-6.05	39.71	74.00	-34.29	PK
	1175.00	44.38	24.92	37.23	7.04	-5.27	39.11	74.00	-34.89	
	1274.00	46.08	25.33	37.00	7.41	-4.26	41.82	74.00	-32.18	
	1544.00	44.99	26.29	36.44	8.57	-1.58	43.41	74.00	-30.59	
	1707.00	44.36	26.8	36.16	9.07	-0.29	44.07	74.00	-29.93	
	1912.00	44.36	27.37	35.83	9.65	1.19	45.55	74.00	-28.45	
Vertical	30.97	0.68	16.76	--	0.91	17.67	18.35	40.00	-21.65	QP
	70.74	0.47	12.36	--	1.43	13.79	14.26	40.00	-25.74	
	124.09	0.15	12.02	--	1.90	13.92	14.07	43.50	-29.43	
	240.49	1.55	13.72	--	2.73	16.45	18.00	46.00	-28.00	
	497.54	1.47	20.00	--	3.97	23.97	25.44	46.00	-20.56	
	749.74	1.32	22.62	--	5.11	27.73	29.05	46.00	-16.95	
	1077.00	45.55	24.48	37.48	6.85	-6.15	39.40	74.00	-34.60	PK
	1199.00	44.82	25.02	37.17	7.07	-5.08	39.74	74.00	-34.26	
	1242.00	45.27	25.19	37.08	7.33	-4.56	40.71	74.00	-33.29	
	1417.00	44.66	25.86	36.70	8.09	-2.75	41.91	74.00	-32.09	
	1634.00	44.29	26.58	36.28	8.85	-0.85	43.44	74.00	-30.56	
	1897.00	44.59	27.34	35.85	9.65	1.14	45.73	74.00	-28.27	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : On Stand

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	31.94	1.35	15.50	--	0.92	16.42	17.77	40.00	-22.23	QP
	67.83	0.41	12.10	--	1.37	13.47	13.88	40.00	-26.12	
	153.19	3.94	11.01	--	2.10	13.11	17.05	43.50	-26.45	
	252.13	1.17	13.83	--	2.83	16.66	17.83	46.00	-28.17	
	514.03	1.88	20.17	--	4.03	24.20	26.08	46.00	-19.92	
	800.18	0.80	23.89	--	5.40	29.29	30.09	46.00	-15.91	
	1047.00	45.93	24.33	37.57	6.79	-6.45	39.48	74.00	-34.52	PK
	1169.00	45.55	24.89	37.25	7.04	-5.32	40.23	74.00	-33.77	
	1277.00	45.21	25.34	36.99	7.50	-4.15	41.06	74.00	-32.94	
	1537.00	44.24	26.27	36.46	8.50	-1.69	42.55	74.00	-31.45	
	1667.00	44.09	26.68	36.22	8.92	-0.62	43.47	74.00	-30.53	
	1902.00	44.64	27.34	35.84	9.65	1.15	45.79	74.00	-28.21	
Vertical	30.97	1.49	16.76	--	0.91	17.67	19.16	40.00	-20.84	QP
	75.59	0.80	12.29	--	1.47	13.76	14.56	40.00	-25.44	
	164.83	5.44	11.12	--	2.16	13.28	18.72	43.50	-24.78	
	279.29	7.77	13.47	--	3.00	16.47	24.24	46.00	-21.76	
	518.88	1.58	20.22	--	4.04	24.26	25.84	46.00	-20.16	
	827.34	1.44	23.59	--	5.47	29.06	30.50	46.00	-15.50	
	1052.00	45.58	24.36	37.55	6.79	-6.40	39.18	74.00	-34.82	PK
	1120.00	44.79	24.67	37.37	6.95	-5.75	39.04	74.00	-34.96	
	1244.00	45.12	25.21	37.07	7.33	-4.53	40.59	74.00	-33.41	
	1354.00	44.30	25.63	36.83	7.84	-3.36	40.94	74.00	-33.06	
	1561.00	44.43	26.35	36.41	8.57	-1.49	42.94	74.00	-31.06	
	1751.00	43.68	26.93	36.08	9.15	0.00	43.68	74.00	-30.32	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Off Lying

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	35.82	3.38	10.71	--	0.94	11.65	15.03	40.00	-24.97	QP
	67.83	2.25	12.10	--	1.37	13.47	15.72	40.00	-24.28	
	141.55	3.49	11.33	--	2.02	13.35	16.84	43.50	-26.66	
	262.80	3.30	13.68	--	2.89	16.57	19.87	46.00	-26.13	
	472.32	3.34	19.51	--	3.89	23.40	26.74	46.00	-19.26	
	755.56	3.07	22.76	--	5.15	27.91	30.98	46.00	-15.02	
	1074.00	46.04	24.46	37.49	6.85	-6.18	39.86	74.00	-34.14	PK
	1147.00	46.02	24.79	37.30	6.98	-5.53	40.49	74.00	-33.51	
	1337.00	45.22	25.56	36.86	7.75	-3.55	41.67	74.00	-32.33	
	1534.00	44.67	26.26	36.46	8.50	-1.70	42.97	74.00	-31.03	
	1679.00	44.23	26.71	36.2	8.92	-0.57	43.66	74.00	-30.34	
	1942.00	42.84	27.45	35.78	9.81	1.48	44.32	74.00	-29.68	
Vertical	33.88	4.85	13.12	--	0.93	14.05	18.90	40.00	-21.10	QP
	67.83	2.09	12.10	--	1.37	13.47	15.56	40.00	-24.44	
	111.48	2.11	11.38	--	1.79	13.17	15.28	43.50	-28.22	
	237.58	3.07	13.67	--	2.68	16.35	19.42	46.00	-26.58	
	468.44	3.22	19.44	--	3.87	23.31	26.53	46.00	-19.47	
	808.91	2.71	23.77	--	5.42	29.19	31.90	46.00	-14.10	
	1064.00	46.71	24.41	37.52	6.82	-6.29	40.42	74.00	-33.58	PK
	1248.00	45.41	25.22	37.06	7.33	-4.51	40.90	74.00	-33.10	
	1471.00	45.51	26.05	36.58	8.26	-2.27	43.24	74.00	-30.76	
	1612.00	44.48	26.51	36.32	8.78	-1.03	43.45	74.00	-30.55	
	1677.00	44.83	26.71	36.20	8.92	-0.57	44.26	74.00	-29.74	
	1934.00	44.51	27.43	35.80	9.73	1.36	45.87	74.00	-28.13	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Off Side

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	53.28	3.03	9.66	--	1.07	10.73	13.76	40.00	-26.24	QP
	108.57	2.03	11.24	--	1.77	13.01	15.04	43.50	-28.46	
	183.26	3.11	11.85	--	2.25	14.10	17.21	43.50	-26.29	
	304.51	2.79	13.45	--	3.15	16.6	19.39	46.00	-26.61	
	498.51	3.35	20.00	--	3.99	23.99	27.34	46.00	-18.66	
	690.57	2.80	21.17	--	4.78	25.95	28.75	46.00	-17.25	
	1067.00	45.75	24.42	37.51	6.82	-6.27	39.48	74.00	-34.52	PK
	1159.00	45.34	24.84	37.28	7.01	-5.43	39.91	74.00	-34.09	
	1359.00	44.86	25.65	36.82	7.84	-3.33	41.53	74.00	-32.47	
	1562.00	44.65	26.35	36.41	8.64	-1.42	43.23	74.00	-30.77	
	1692.00	44.17	26.75	36.18	8.99	-0.44	43.73	74.00	-30.27	
	1897.00	44.13	27.34	35.85	9.65	1.14	45.27	74.00	-28.73	
Vertical	33.88	6.55	13.12	--	0.93	14.05	20.60	40.00	-19.40	QP
	56.19	2.64	10.28	--	1.13	11.41	14.05	40.00	-25.95	
	89.17	3.06	10.99	--	1.60	12.59	15.65	43.50	-27.85	
	189.08	2.90	12.30	--	2.28	14.58	17.48	43.50	-26.02	
	361.74	3.53	16.30	--	3.43	19.73	23.26	46.00	-22.74	
	594.54	3.66	20.89	--	4.22	25.11	28.77	46.00	-17.23	
	1078.00	45.92	24.48	37.48	6.85	-6.15	39.77	74.00	-34.23	PK
	1162.00	45.64	24.86	37.27	7.01	-5.40	40.24	74.00	-33.76	
	1252.00	44.94	25.24	37.05	7.33	-4.48	40.46	74.00	-33.54	
	1459.00	45.00	26.01	36.61	8.26	-2.34	42.66	74.00	-31.34	
	1602.00	44.56	26.48	36.34	8.71	-1.15	43.41	74.00	-30.59	
	1789.00	44.11	27.03	36.02	9.32	0.33	44.44	74.00	-29.56	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Off Stand

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	33.88	3.72	13.12	--	0.93	14.05	17.77	40.00	-22.23	QP
	76.56	3.27	12.28	--	1.49	13.77	17.04	40.00	-22.96	
	184.23	3.03	11.95	--	2.26	14.21	17.24	43.50	-26.26	
	358.83	4.21	16.18	--	3.42	19.60	23.81	46.00	-22.19	
	565.44	3.36	20.63	--	4.15	24.78	28.14	46.00	-17.86	
	766.23	3.43	23.04	--	5.19	28.23	31.66	46.00	-14.34	
	1129.00	45.80	24.71	37.35	6.95	-5.69	40.11	74.00	-33.89	PK
	1246.00	44.34	25.21	37.07	7.33	-4.53	39.81	74.00	-34.19	
	1421.00	43.67	25.88	36.69	8.09	-2.72	40.95	74.00	-33.05	
	1566.00	43.59	26.36	36.40	8.64	-1.40	42.19	74.00	-31.81	
	1688.00	43.72	26.74	36.18	8.99	-0.45	43.27	74.00	-30.73	
	1906.00	43.77	27.35	35.84	9.65	1.16	44.93	74.00	-29.07	
Vertical	46.49	3.48	7.82	--	0.98	8.80	12.28	40.00	-27.72	QP
	101.78	3.01	10.85	--	1.71	12.56	15.57	43.50	-27.93	
	185.2	3.36	12.00	--	2.26	14.26	17.62	43.50	-25.88	
	277.35	4.02	13.50	--	2.98	16.48	20.5	46.00	-25.50	
	536.34	3.02	20.37	--	4.08	24.45	27.47	46.00	-18.53	
	752.65	3.04	22.69	--	5.11	27.80	30.84	46.00	-15.16	
	1091.00	44.91	24.54	37.45	6.89	-6.02	38.89	74.00	-35.11	PK
	1207.00	44.78	25.05	37.15	7.16	-4.94	39.84	74.00	-34.16	
	1408.00	44.90	25.82	36.71	8.01	-2.88	42.02	74.00	-31.98	
	1545.00	43.88	26.30	36.44	8.57	-1.57	42.31	74.00	-31.69	
	1688.00	43.90	26.74	36.18	8.99	-0.45	43.45	74.00	-30.55	
	1921.00	43.27	27.40	35.81	9.73	1.32	44.59	74.00	-29.41	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Sound Lying

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	53.28	2.57	9.66	--	1.07	10.73	13.30	40.00	-26.70	QP
	108.57	2.68	11.24	--	1.77	13.01	15.69	43.50	-27.81	
	183.26	3.06	11.85	--	2.25	14.10	17.16	43.50	-26.34	
	300.63	2.82	13.22	--	3.11	16.33	19.15	46.00	-26.85	
	558.65	2.79	20.58	--	4.14	24.72	27.51	46.00	-18.49	
	913.67	3.62	23.01	--	5.73	28.74	32.36	46.00	-13.64	
	1057.00	46.34	24.38	37.54	6.82	-6.34	40.00	74.00	-34.00	PK
	1180.00	45.35	24.93	37.22	7.04	-5.25	40.10	74.00	-33.90	
	1327.00	46.20	25.53	36.89	7.66	-3.70	42.50	74.00	-31.50	
	1479.00	44.53	26.07	36.57	8.35	-2.15	42.38	74.00	-31.62	
	1534.00	44.54	26.26	36.46	8.50	-1.70	42.84	74.00	-31.16	
	1704.00	44.29	26.78	36.16	9.07	-0.31	43.98	74.00	-30.02	
Vertical	54.25	2.60	9.87	--	1.09	10.96	13.56	40.00	-26.44	QP
	91.11	2.60	10.89	--	1.62	12.51	15.11	43.50	-28.39	
	181.32	3.35	11.70	--	2.24	13.94	17.29	43.50	-26.21	
	328.76	3.60	14.73	--	3.27	18.00	21.60	46.00	-24.40	
	546.04	2.77	20.46	--	4.11	24.57	27.34	46.00	-18.66	
	650.80	2.14	21.07	--	4.56	25.63	27.77	46.00	-18.23	
	1067.00	47.02	24.42	37.51	6.82	-6.27	40.75	74.00	-33.25	PK
	1192.00	45.51	24.99	37.19	7.07	-5.13	40.38	74.00	-33.62	
	1344.00	45.58	25.59	36.84	7.75	-3.50	42.08	74.00	-31.92	
	1494.00	45.40	26.13	36.54	8.35	-2.06	43.34	74.00	-30.66	
	1679.00	44.47	26.71	36.20	8.92	-0.57	43.90	74.00	-30.10	
	1967.00	43.99	27.51	35.74	9.81	1.58	45.57	74.00	-28.43	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Sound Side

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	33.88	3.28	13.12	--	0.93	14.05	17.33	40	-22.67	QP
	83.35	2.37	11.79	--	1.55	13.34	15.71	40	-24.29	
	135.73	3.24	11.58	--	1.98	13.56	16.8	43.5	-26.70	
	255.04	4.29	13.79	--	2.84	16.63	20.92	46	-25.08	
	461.65	3.60	19.31	--	3.86	23.17	26.77	46	-19.23	
	732.28	3.58	22.12	--	5.03	27.15	30.73	46	-15.27	
	1107.00	45.51	24.61	37.41	6.92	-5.88	39.63	74	-34.37	PK
	1252.00	45.50	25.24	37.05	7.33	-4.48	41.02	74	-32.98	
	1427.00	44.60	25.89	36.67	8.09	-2.69	41.91	74	-32.09	
	1537.00	44.96	26.27	36.46	8.50	-1.69	43.27	74	-30.73	
	1682.00	44.17	26.73	36.19	8.99	-0.47	43.70	74	-30.30	
	1904.00	44.14	27.35	35.84	9.65	1.16	45.30	74	-28.70	
Vertical	48.43	2.67	8.45	--	0.98	9.43	12.10	40	-27.90	QP
	116.33	1.98	11.63	--	1.83	13.46	15.44	43.5	-28.06	
	207.51	2.58	13.22	--	2.41	15.63	18.21	43.5	-25.29	
	338.46	3.59	15.19	--	3.32	18.51	22.10	46	-23.90	
	552.83	3.00	20.53	--	4.12	24.65	27.65	46	-18.35	
	930.16	3.11	23.19	--	5.80	28.99	32.10	46	-13.90	
	1057.00	45.94	24.38	37.54	6.82	-6.34	39.60	74	-34.40	PK
	1127.00	45.19	24.70	37.35	6.95	-5.7	39.49	74	-34.51	
	1229.00	45.46	25.14	37.10	7.24	-4.72	40.74	74	-33.26	
	1364.00	45.09	25.66	36.8	7.84	-3.3	41.79	74	-32.21	
	1492.00	44.63	26.11	36.54	8.35	-2.08	42.55	74	-31.45	
	1639.00	44.03	26.59	36.27	8.85	-0.83	43.20	74	-30.80	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Sound Stand

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	34.85	2.94	12.00	--	0.93	12.93	15.87	40.00	-24.13	QP
	87.23	2.69	11.27	--	1.59	12.86	15.55	40.00	-24.45	
	172.59	2.85	11.19	--	2.20	13.39	16.24	43.50	-27.26	
	297.72	3.67	13.26	--	3.10	16.36	20.03	46.00	-25.97	
	541.19	2.28	20.42	--	4.10	24.52	26.80	46.00	-19.20	
	790.48	3.36	23.68	--	5.32	29.00	32.36	46.00	-13.64	
	1032.00	46.1	24.26	37.6	6.76	-6.58	39.52	74.00	-34.48	PK
	1127.00	45.63	24.70	37.35	6.95	-5.70	39.93	74.00	-34.07	
	1234.00	44.93	25.16	37.09	7.24	-4.69	40.24	74.00	-33.76	
	1369.00	44.92	25.69	36.79	7.84	-3.26	41.66	74.00	-32.34	
	1527.00	44.74	26.23	36.48	8.50	-1.75	42.99	74.00	-31.01	
	1667.00	44.94	26.68	36.22	8.92	-0.62	44.32	74.00	-29.68	
Vertical	33.88	5.84	13.12	--	0.93	14.05	19.89	40.00	-20.11	QP
	61.04	2.30	11.21	--	1.24	12.45	14.75	40.00	-25.25	
	111.48	2.81	11.38	--	1.79	13.17	15.98	43.50	-27.52	
	191.99	1.86	12.50	--	2.30	14.80	16.66	43.50	-26.84	
	321.97	3.52	14.38	--	3.23	17.61	21.13	46.00	-24.87	
	706.09	2.46	21.41	--	4.86	26.27	28.73	46.00	-17.27	
	1057.00	45.73	24.38	37.54	6.82	-6.34	39.39	74.00	-34.61	PK
	1117.00	45.81	24.65	37.38	6.92	-5.81	40.00	74.00	-34.00	
	1242.00	44.90	25.19	37.08	7.33	-4.56	40.34	74.00	-33.66	
	1377.00	44.48	25.72	36.77	7.92	-3.13	41.35	74.00	-32.65	
	1562.00	44.92	26.35	36.41	8.64	-1.42	43.50	74.00	-30.50	
	1709.00	44.12	26.8	36.15	9.07	-0.28	43.84	74.00	-30.16	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Mode Lying

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	49.40	2.23	8.71	--	0.99	9.70	11.93	40.00	-28.07	QP
	101.78	3.13	10.85	--	1.71	12.56	15.69	43.50	-27.81	
	195.87	2.82	12.79	--	2.31	15.10	17.92	43.50	-25.58	
	349.13	3.12	15.72	--	3.38	19.10	22.22	46.00	-23.78	
	563.50	2.66	20.61	--	4.15	24.76	27.42	46.00	-18.58	
	921.43	4.27	23.11	--	5.77	28.88	33.15	46.00	-12.85	
	1067.00	45.94	24.42	37.51	6.82	-6.27	39.67	74.00	-34.33	PK
	1170.00	45.44	24.89	37.25	7.04	-5.32	40.12	74.00	-33.88	
	1357.00	46.07	25.65	36.82	7.84	-3.33	42.74	74.00	-31.26	
	1542.00	44.24	26.29	36.44	8.57	-1.58	42.66	74.00	-31.34	
	1639.00	44.65	26.59	36.27	8.85	-0.83	43.82	74.00	-30.18	
	1894.00	44.18	27.32	35.86	9.65	1.11	45.29	74.00	-28.71	
Vertical	32.91	6.20	14.38	--	0.92	15.30	21.50	40.00	-18.50	QP
	50.37	1.50	9.00	--	0.99	9.99	11.49	40.00	-28.51	
	101.78	1.44	10.85	--	1.71	12.56	14.00	43.50	-29.50	
	206.54	2.35	13.20	--	2.39	15.59	17.94	43.50	-25.56	
	327.79	3.58	14.67	--	3.27	17.94	21.52	46.00	-24.48	
	680.87	2.79	21.15	--	4.71	25.86	28.65	46.00	-17.35	
	1038.00	45.57	24.29	37.60	6.76	-6.55	39.02	74.00	-34.98	PK
	1156.00	44.57	24.83	37.28	7.01	-5.44	39.13	74.00	-34.87	
	1274.00	45.43	25.33	37.00	7.41	-4.26	41.17	74.00	-32.83	
	1454.00	43.91	26.00	36.62	8.26	-2.36	41.55	74.00	-32.45	
	1673.00	44.17	26.70	36.21	8.92	-0.59	43.58	74.00	-30.42	
	1774.00	43.06	26.99	36.05	9.24	0.18	43.24	74.00	-30.76	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Mode Side

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	32.91	2.95	14.38	--	0.92	15.30	18.25	40.00	-21.75	QP
	58.13	2.41	10.69	--	1.18	11.87	14.28	40.00	-25.72	
	113.42	2.67	11.49	--	1.81	13.30	15.97	43.50	-27.53	
	196.84	3.16	12.84	--	2.31	15.15	18.31	43.50	-25.19	
	330.70	3.61	14.79	--	3.28	18.07	21.68	46.00	-24.32	
	568.35	2.97	20.66	--	4.16	24.82	27.79	46.00	-18.21	
	1137.00	45.70	24.74	37.33	6.98	-5.61	40.09	74.00	-33.91	PK
	1282.00	45.44	25.35	36.98	7.50	-4.13	41.31	74.00	-32.69	
	1419.00	44.31	25.86	36.69	8.09	-2.74	41.57	74.00	-32.43	
	1532.00	44.85	26.26	36.47	8.50	-1.71	43.14	74.00	-30.86	
	1679.00	45.25	26.71	36.20	8.92	-0.57	44.68	74.00	-29.32	
	1937.00	44.28	27.44	35.79	9.73	1.38	45.66	74.00	-28.34	
Vertical	50.37	3.00	9.00	--	0.99	9.99	12.99	40.00	-27.01	QP
	116.33	1.78	11.63	--	1.83	13.46	15.24	43.50	-28.26	
	182.29	3.33	11.80	--	2.25	14.05	17.38	43.50	-26.12	
	274.44	3.37	13.53	--	2.96	16.49	19.86	46.00	-26.14	
	487.84	3.32	19.80	--	3.94	23.74	27.06	46.00	-18.94	
	739.07	3.50	22.33	--	5.03	27.36	30.86	46.00	-15.14	
	1079.00	45.15	24.48	37.48	6.85	-6.15	39.00	74.00	-35.00	PK
	1177.00	44.49	24.92	37.23	7.04	-5.27	39.22	74.00	-34.78	
	1407.00	44.03	25.82	36.71	8.01	-2.88	41.15	74.00	-32.85	
	1539.00	44.67	26.27	36.45	8.50	-1.68	42.99	74.00	-31.01	
	1622.00	43.62	26.54	36.31	8.78	-0.99	42.63	74.00	-31.37	
	1792.00	42.94	27.05	36.01	9.32	0.36	43.30	74.00	-30.70	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Mode Stand

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	60.07	2.53	11.06	--	1.22	12.28	14.81	40.00	-25.19	QP
	129.91	2.33	11.83	--	1.94	13.77	16.10	43.50	-27.40	
	236.61	3.43	13.66	--	2.68	16.34	19.77	46.00	-26.23	
	401.51	4.30	18.01	--	3.62	21.63	25.93	46.00	-20.07	
	571.26	3.17	20.68	--	4.16	24.84	28.01	46.00	-17.99	
	942.77	3.35	23.33	--	5.83	29.16	32.51	46.00	-13.49	
	1146.00	45.29	24.79	37.31	6.98	-5.54	39.75	74.00	-34.25	PK
	1247.00	44.07	25.21	37.06	7.33	-4.52	39.55	74.00	-34.45	
	1423.00	44.36	25.88	36.68	8.09	-2.71	41.65	74.00	-32.35	
	1594.00	43.56	26.45	36.35	8.71	-1.19	42.37	74.00	-31.63	
	1762.00	43.71	26.96	36.06	9.24	0.14	43.85	74.00	-30.15	
	1942.00	42.21	27.45	35.78	9.81	1.48	43.69	74.00	-30.31	
Vertical	33.88	5.20	13.12	--	0.93	14.05	19.25	40.00	-20.75	QP
	71.71	2.85	12.34	--	1.43	13.77	16.62	40.00	-23.38	
	110.51	2.85	11.34	--	1.79	13.13	15.98	43.50	-27.52	
	206.54	3.17	13.20	--	2.39	15.59	18.76	43.50	-24.74	
	354.95	3.96	16.01	--	3.40	19.41	23.37	46.00	-22.63	
	565.44	3.15	20.63	--	4.15	24.78	27.93	46.00	-18.07	
	1065.00	45.17	24.42	37.52	6.82	-6.28	38.89	74.00	-35.11	PK
	1159.00	45.22	24.84	37.28	7.01	-5.43	39.79	74.00	-34.21	
	1437.00	43.57	25.92	36.65	8.18	-2.55	41.02	74.00	-32.98	
	1623.00	43.06	26.55	36.30	8.78	-0.97	42.09	74.00	-31.91	
	1717.00	43.24	26.83	36.14	9.07	-0.24	43.00	74.00	-31.00	
	1913.00	42.79	27.37	35.82	9.65	1.20	43.99	74.00	-30.01	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : HI Lying

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	38.73	13.63	7.11	--	0.95	8.06	21.69	40.00	-18.31	QP
	65.89	1.72	11.83	--	1.34	13.17	14.89	40.00	-25.11	
	138.64	4.74	11.44	--	2.00	13.44	18.18	43.50	-25.32	
	223.03	6.21	13.46	--	2.56	16.02	22.23	46.00	-23.77	
	347.19	2.77	15.60	--	3.37	18.97	21.74	46.00	-24.26	
	805.03	3.32	23.83	--	5.40	29.23	32.55	46.00	-13.45	
	1047.00	45.93	24.33	37.57	6.79	-6.45	39.48	74.00	-34.52	PK
	1137.00	45.28	24.74	37.33	6.98	-5.61	39.67	74.00	-34.33	
	1264.00	45.36	25.28	37.02	7.41	-4.33	41.03	74.00	-32.97	
	1392.00	44.78	25.76	36.75	8.01	-2.98	41.80	74.00	-32.20	
	1612.00	45.33	26.51	36.32	8.78	-1.03	44.30	74.00	-29.70	
	1792.00	44.38	27.05	36.01	9.32	0.36	44.74	74.00	-29.26	
Vertical	35.82	11.13	10.71	--	0.94	11.65	22.78	40.00	-17.22	QP
	67.83	6.50	12.10	--	1.37	13.47	19.97	40.00	-20.03	
	184.23	11.99	11.95	--	2.26	14.21	26.20	43.50	-17.30	
	407.33	4.20	18.14	--	3.64	21.78	25.98	46.00	-20.02	
	567.38	4.06	20.65	--	4.16	24.81	28.87	46.00	-17.13	
	803.09	4.51	23.86	--	5.40	29.26	33.77	46.00	-12.23	
	1060.00	45.10	24.39	37.54	6.82	-6.33	38.77	74.00	-35.23	PK
	1142.00	44.61	24.77	37.32	6.98	-5.57	39.04	74.00	-34.96	
	1339.00	44.49	25.57	36.86	7.75	-3.54	40.95	74.00	-33.05	
	1537.00	44.26	26.27	36.46	8.50	-1.69	42.57	74.00	-31.43	
	1714.00	43.61	26.81	36.14	9.07	-0.26	43.35	74.00	-30.65	
	1937.00	43.82	27.44	35.79	9.73	1.38	45.20	74.00	-28.80	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : HI Side

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	31.94	5.17	15.50	--	0.92	16.42	21.59	40.00	-18.41	QP
	75.59	4.92	12.29	--	1.47	13.76	18.68	40.00	-21.32	
	138.64	5.49	11.44	--	2.00	13.44	18.93	43.50	-24.57	
	227.88	5.69	13.53	--	2.60	16.13	21.82	46.00	-24.18	
	390.84	6.66	17.57	--	3.57	21.14	27.80	46.00	-18.20	
	708.03	5.06	21.48	--	4.86	26.34	31.40	46.00	-14.60	
	1059.00	46.17	24.39	37.54	6.82	-6.33	39.84	74.00	-34.16	PK
	1144.00	45.74	24.79	37.31	6.98	-5.54	40.20	74.00	-33.80	
	1239.00	45.47	25.18	37.08	7.33	-4.57	40.90	74.00	-33.10	
	1343.00	45.37	25.59	36.85	7.75	-3.51	41.86	74.00	-32.14	
	1574.00	44.54	26.39	36.39	8.64	-1.36	43.18	74.00	-30.82	
	1782.00	44.40	27.02	36.03	9.32	0.31	44.71	74.00	-29.29	
Vertical	48.43	10.40	8.45	--	0.98	9.43	19.83	40.00	-20.17	QP
	99.84	6.40	10.75	--	1.69	12.44	18.84	43.50	-24.66	
	213.33	7.74	13.30	--	2.48	15.78	23.52	43.50	-19.98	
	385.99	5.68	17.40	--	3.55	20.95	26.63	46.00	-19.37	
	531.49	5.84	20.34	--	4.07	24.41	30.25	46.00	-15.75	
	803.09	5.70	23.86	--	5.40	29.26	34.96	46.00	-11.04	
	1047.00	45.67	24.33	37.57	6.79	-6.45	39.22	74.00	-34.78	PK
	1159.00	45.76	24.84	37.28	7.01	-5.43	40.33	74.00	-33.67	
	1229.00	45.43	25.14	37.10	7.24	-4.72	40.71	74.00	-33.29	
	1372.00	44.93	25.69	36.78	7.92	-3.17	41.76	74.00	-32.24	
	1517.00	44.80	26.20	36.50	8.50	-1.80	43.00	74.00	-31.00	
	1637.00	44.96	26.59	36.27	8.85	-0.83	44.13	74.00	-29.87	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : HI Stand

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	30.97	4.26	16.76	--	0.91	17.67	21.93	40.00	-18.07	QP
	90.14	6.93	10.90	--	1.61	12.51	19.44	43.50	-24.06	
	227.88	4.61	13.53	--	2.60	16.13	20.74	46.00	-25.26	
	381.14	5.29	17.17	--	3.52	20.69	25.98	46.00	-20.02	
	502.39	3.99	20.06	--	3.99	24.05	28.04	46.00	-17.96	
	807.94	4.01	23.80	--	5.42	29.22	33.23	46.00	-12.77	
	1064.00	46.25	24.41	37.52	6.82	-6.29	39.96	74.00	-34.04	PK
	1130.00	45.86	24.71	37.35	6.95	-5.69	40.17	74.00	-33.83	
	1262.00	45.47	25.28	37.02	7.41	-4.33	41.14	74.00	-32.86	
	1372.00	45.09	25.69	36.78	7.92	-3.17	41.92	74.00	-32.08	
	1574.00	44.86	26.39	36.39	8.64	-1.36	43.50	74.00	-30.50	
	1784.00	44.09	27.02	36.03	9.32	0.31	44.40	74.00	-29.60	
Vertical	33.88	7.89	13.12	--	0.93	14.05	21.94	40.00	-18.06	QP
	61.04	6.98	11.21	--	1.24	12.45	19.43	40.00	-20.57	
	99.84	6.42	10.75	--	1.69	12.44	18.86	43.50	-24.64	
	153.19	13.67	11.01	--	2.10	13.11	26.78	43.50	-16.72	
	377.26	4.13	16.99	--	3.50	20.49	24.62	46.00	-21.38	
	773.99	4.60	23.25	--	5.23	28.48	33.08	46.00	-12.92	
	1059.00	46.17	24.39	37.54	6.82	-6.33	39.84	74.00	-34.16	PK
	1144.00	45.74	24.79	37.31	6.98	-5.54	40.20	74.00	-33.80	
	1239.00	45.47	25.18	37.08	7.33	-4.57	40.90	74.00	-33.10	
	1343.00	45.37	25.59	36.85	7.75	-3.51	41.86	74.00	-32.14	
	1574.00	44.54	26.39	36.39	8.64	-1.36	43.18	74.00	-30.82	
	1782.00	44.40	27.02	36.03	9.32	0.31	44.71	74.00	-29.29	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : LO Lying

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	35.82	4.37	10.71	--	0.94	11.65	16.02	40.00	-23.98	QP
	99.84	6.40	10.75	--	1.69	12.44	18.84	43.50	-24.66	
	206.54	3.97	13.20	--	2.39	15.59	19.56	43.50	-23.94	
	281.23	6.22	13.45	--	3.01	16.46	22.68	46.00	-23.32	
	497.54	5.14	20.00	--	3.97	23.97	29.11	46.00	-16.89	
	737.13	4.52	22.26	--	5.03	27.29	31.81	46.00	-14.19	
	1067.00	45.01	24.42	37.51	6.82	-6.27	38.74	74.00	-35.26	PK
	1225.00	44.18	25.12	37.11	7.24	-4.75	39.43	74.00	-34.57	
	1384.00	44.16	25.73	36.76	7.92	-3.11	41.05	74.00	-32.95	
	1566.00	43.93	26.36	36.40	8.64	-1.40	42.53	74.00	-31.47	
	1729.00	43.08	26.86	36.12	9.15	-0.11	42.97	74.00	-31.03	
	1965.00	43.49	27.51	35.75	9.81	1.57	45.06	74.00	-28.94	
Vertical	33.88	5.78	13.12	--	0.93	14.05	19.83	40.00	-20.17	QP
	67.83	4.05	12.10	--	1.37	13.47	17.52	40.00	-22.48	
	133.79	3.91	11.67	--	1.97	13.64	17.55	43.50	-25.95	
	235.64	4.82	13.65	--	2.68	16.33	21.15	46.00	-24.85	
	376.29	5.40	16.94	--	3.50	20.44	25.84	46.00	-20.16	
	618.79	4.79	20.98	--	4.34	25.32	30.11	46.00	-15.89	
	1109.00	46.52	24.62	37.40	6.92	-5.86	40.66	74.00	-33.34	PK
	1262.00	45.28	25.28	37.02	7.41	-4.33	40.95	74.00	-33.05	
	1389.00	45.18	25.76	36.75	7.92	-3.07	42.11	74.00	-31.89	
	1572.00	44.67	26.39	36.39	8.64	-1.36	43.31	74.00	-30.69	
	1723.00	44.84	26.84	36.12	9.07	-0.21	44.63	74.00	-29.37	
	1949.00	44.59	27.47	35.77	9.81	1.51	46.10	74.00	-27.90	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : LO Side

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	34.85	2.88	12.00	--	0.93	12.93	15.81	40.00	-24.19	QP
	75.59	3.34	12.29	--	1.47	13.76	17.10	40.00	-22.90	
	128.94	3.71	11.87	--	1.94	13.81	17.52	43.50	-25.98	
	227.88	3.72	13.53	--	2.60	16.13	19.85	46.00	-26.15	
	363.68	4.20	16.41	--	3.45	19.86	24.06	46.00	-21.94	
	611.03	4.21	20.96	--	4.30	25.26	29.47	46.00	-16.53	
	1047.00	45.88	24.33	37.57	6.79	-6.45	39.43	74.00	-34.57	PK
	1129.00	45.04	24.71	37.35	6.95	-5.69	39.35	74.00	-34.65	
	1239.00	45.03	25.18	37.08	7.33	-4.57	40.46	74.00	-33.54	
	1369.00	44.35	25.69	36.79	7.84	-3.26	41.09	74.00	-32.91	
	1632.00	44.05	26.56	36.28	8.85	-0.87	43.18	74.00	-30.82	
	1968.00	43.11	27.51	35.74	9.81	1.58	44.69	74.00	-29.31	
Vertical	32.91	7.29	14.38	--	0.92	15.30	22.59	40.00	-17.41	QP
	63.95	2.20	11.60	--	1.31	12.91	15.11	40.00	-24.89	
	108.57	2.50	11.24	--	1.77	13.01	15.51	43.50	-27.99	
	181.32	2.47	11.70	--	2.24	13.94	16.41	43.50	-27.09	
	361.74	4.98	16.30	--	3.43	19.73	24.71	46.00	-21.29	
	552.83	2.70	20.53	--	4.12	24.65	27.35	46.00	-18.65	
	1021.00	45.11	24.20	37.64	6.73	-6.71	38.40	74.00	-35.60	PK
	1146.00	45.33	24.79	37.31	6.98	-5.54	39.79	74.00	-34.21	
	1251.00	44.35	25.22	37.05	7.33	-4.50	39.85	74.00	-34.15	
	1421.00	43.76	25.88	36.69	8.09	-2.72	41.04	74.00	-32.96	
	1617.00	43.38	26.52	36.31	8.78	-1.01	42.37	74.00	-31.63	
	1763.00	43.33	26.96	36.06	9.24	0.14	43.47	74.00	-30.53	

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : LO Stand

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	35.82	4.71	10.71	--	0.94	11.65	16.36	40.00	-23.64	QP
	75.59	3.62	12.29	--	1.47	13.76	17.38	40.00	-22.62	
	126.03	4.16	12.02	--	1.91	13.93	18.09	43.50	-25.41	
	198.78	4.70	12.99	--	2.32	15.31	20.01	43.50	-23.49	
	334.58	3.64	15.02	--	3.30	18.32	21.96	46.00	-24.04	
	615.88	3.60	20.97	--	4.34	25.31	28.91	46.00	-17.09	
	1120.00	45.02	24.67	37.37	6.95	-5.75	39.27	74.00	-34.73	PK
	1258.00	44.59	25.25	37.03	7.41	-4.37	40.22	74.00	-33.78	
	1417.00	44.39	25.86	36.70	8.09	-2.75	41.64	74.00	-32.36	
	1677.00	44.53	26.71	36.20	8.92	-0.57	43.96	74.00	-30.04	
	1781.00	43.75	27.02	36.03	9.32	0.31	44.06	74.00	-29.94	
	1965.00	43.19	27.51	35.75	9.81	1.57	44.76	74.00	-29.24	
Vertical	35.82	3.68	10.71	--	0.94	11.65	15.33	40.00	-24.67	QP
	75.59	3.82	12.29	--	1.47	13.76	17.58	40.00	-22.42	
	130.88	3.99	11.79	--	1.95	13.74	17.73	43.50	-25.77	
	191.99	4.46	12.50	--	2.30	14.80	19.26	43.50	-24.24	
	393.75	3.72	17.69	--	3.59	21.28	25.00	46.00	-21.00	
	735.19	3.45	22.19	--	5.03	27.22	30.67	46.00	-15.33	
	1057.00	46.22	24.38	37.54	6.82	-6.34	39.88	74.00	-34.12	PK
	1169.00	45.92	24.89	37.25	7.04	-5.32	40.60	74.00	-33.40	
	1316.00	44.65	25.49	36.90	7.66	-3.75	40.90	74.00	-33.10	
	1457.00	44.99	26.00	36.61	8.26	-2.35	42.64	74.00	-31.36	
	1569.00	43.81	26.38	36.40	8.64	-1.38	42.43	74.00	-31.57	
	1644.00	44.12	26.61	36.26	8.85	-0.80	43.32	74.00	-30.68	

TEST ENGINEER: DIO YANG

4 FUNDAMENTAL AND SPURIOUS EMISSIONS TEST

4.1 Test Equipment

The following test equipment are used during the fundamental and spurious emission test in a semi-anechoic chamber:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Preamplifier	HP	8447D	2944A10548	Mar 19, 2007	Sep 19, 2007
2.	Preamplifier	HP	8449B	3008A00864	Apr 06, 2007	Apr 06, 2008
3.	Bilog Antenna	Chase	CBL6111	1145	Mar 18, 2007	Sep 18, 2007
4.	Test Receiver	R&S	ESVS10	844594/001	Apr 06, 2007	Apr 06, 2008
5.	Spectrum Analyzer	Agilent	E7405A	Y45106600	Apr 06, 2007	Apr 06, 2008
6.	Horn Antenna	EMCO	3115	9607-4878	Apr 06, 2007	Apr 06, 2008

4.2 Block Diagram of Test Setup

Same as Sec 3.2

4.3 Fundamental and Spurious Emission Limit

Frequency (MHz)	Distance (m)	Field strength limits of fundamental	Field strength limits of spurious emissions
		($\mu\text{V/m}$)	($\mu\text{V/m}$)
260 ~ 470	3	3750-12500*	375-1250*
NOTE 1 - Emission Level dB ($\mu\text{V/m}$) = 20 lg Emission Level ($\mu\text{V/m}$) NOTE 2 - The tighter limit applies at the band edges. NOTE 3 - Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system. NOTE 4 - "*" means linear interpolation. NOTE 5 - The fundamental frequency of the EUT is 433.92MHz, Emission Level dB ($\mu\text{V/m}$) = $20\lg(41.6667 \times 433.92 - 7083.3333) = 80.55 \text{ dB}$ ($\mu\text{V/m}$) and the limit of the Harmonic is 60.55$\mu\text{V/m}$.			

4.4 Test Configuration

The EUT was installed as show on Sec. 3.2 in fundamental and spurious emission test to meet ANSI C63.4:2003 requirements and operating in a manner that tend to maximize emission level in a normal application.

4.5 Operating Condition of EUT

- 4.5.1 Setup the EUT as shown in Sec. 3.2.
- 4.5.2 Press one of the buttons and make it transmit continuously. Then test it one by one.
- 4.5.3 Set the EUT on the test modes, and then test.
- 4.5.4 The test modes are as follows:

On Lying	On Side	On Stand
Off Lying	Off Side	Off Stand
Sound Lying	Sound Side	Sound Stand
Mode Lying	Mode Side	Mode Stand
HI Lying	HI Side	HI Stand
LO Lying	LO Side	LO Stand

4.6 Test Procedures

The EUT was placed on a table that is 0.8 meter above ground. The turntable rotated 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna, which was mounted on an antenna tower. Broadband antenna (Calibrated antenna or Horn Antenna) was used as receiving antenna below 1000MHz. Horn antenna were used as receiving antenna above 1000MHz. Both horizontal and vertical polarization of the antenna was set on measurement. In order to find the maximum emission, all of the interference cables were manipulated according to FCC PART 15 Subpart C and ANSI C63.4:2003 requirements during fundamental and spurious emission test.

The bandwidth setting on Test Receiver ESVS10 is 120 kHz below 1000 MHz.

The bandwidth setting on Spectrum analyzer E7405A is 1 MHz above 1000 MHz.

The frequency range from 30 MHz to 4339.2 MHz (the tenth harmonic) was checked. The EUT rotated through three orthogonal axes to determine which attitude and configuration produces the highest emission.

4.7 Test Results

<PASS>

The frequency and amplitude of the highest radiated emission relative the limit is reported. All the emissions not reported below are too low against the FCC limit.

Test Mode	Data Page	Test Mode	Data Page
On Lying	P32	Mode Lying	P41
On Side	P33	Mode Side	P42
On Stand	P34	Mode Stand	P43
Off Lying	P35	HI Lying	P44
Off Side	P36	HI Side	P45
Off Stand	P37	HI Stand	P46
Sound Lying	P38	LO Lying	P47
Sound Side	P39	LO Side	P48
Sound Stand	P40	LO Stand	P49

NOTE 1 - All readings are Peak Values.

NOTE 2 - Level = Read Level + Antenna Factor + Cable Loss
– Preamp Factor – Correction Factor

NOTE 3 - Correction factor is calculated by averaging the sum of the pulse train.

Correction factor is measured as follows:

Turn on the EUT and set the spectrum to the fundamental frequency and set the scan width to 0 Hz. Then connect a storage oscilloscope to the video output of the spectrum that is used to detect the pulse train. Adjust the oscilloscope settings to observe the pulse train and determine the number and width of the pulses, as well as the period of the train.

Mode	T	Pulse 1		Formula	Correction Factor
		T ₁	n		
On	101.6ms	1.02ms	41	$20\lg[(1.02*41)/101.6]$	7.71dB
Off	100.0ms	1.01ms	41	$20\lg[(1.01*41)/100.0]$	7.66dB
Sound	101.6ms	1.01ms	41	$20\lg[(1.01*41)/101.6]$	7.80dB
Mode	100.4ms	1.02ms	41	$20\lg[(1.02*41)/100.4]$	7.61dB
HI	101.2ms	1.01ms	41	$20\lg[(1.01*41)/101.2]$	7.76dB
LO	102.8ms	1.01ms	41	$20\lg[(1.01*41)/102.8]$	7.90dB

(See Appendix I)

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : On Lying

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	53.40	18.73	--	3.75	22.48	7.71	68.17	80.55	-12.38
	867.84	32.00	23.16	--	5.60	28.76	7.71	53.05	60.55	-7.50
	1301.76	62.44	25.43	36.94	6.91	-4.60	7.71	50.13	60.55	-10.42
	1735.68	50.7	26.89	36.11	8.41	-0.81	7.71	42.18	60.55	-18.37
Vertical	433.92	35.40	18.73	--	3.75	22.48	7.71	50.17	80.55	-30.38
	867.84	25.60	23.16	--	5.60	28.76	7.71	46.65	60.55	-13.90
	1301.76	54.97	25.43	36.94	6.91	-4.60	7.71	42.66	60.55	-17.89
	1735.68	45.83	26.89	36.11	8.41	-0.81	7.71	37.31	60.55	-23.24

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : On Side

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	48.18	18.73	--	3.75	22.48	7.71	62.95	80.55	-17.60
	867.84	32.28	23.16	--	5.60	28.76	7.71	53.33	60.55	-7.22
	1301.76	57.22	25.43	36.94	7.58	-3.93	7.71	45.58	60.55	-14.97
	1735.68	46.32	26.89	36.11	9.15	-0.07	7.71	38.54	60.55	-22.01
Vertical	433.92	51.56	18.73	--	3.75	22.48	7.71	66.33	80.55	-14.22
	867.84	20.53	23.16	--	5.60	28.76	7.71	41.58	60.55	-18.97
	1301.76	56.85	25.43	36.94	7.58	-3.93	7.71	45.21	60.55	-15.34
	1735.68	51.48	26.89	36.11	9.15	-0.07	7.71	43.70	60.55	-16.85

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : On Stand

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	42.82	18.73	--	3.75	22.48	7.71	57.59	80.55	-22.96
	867.84	22.12	23.16	--	5.60	28.76	7.71	43.17	60.55	-17.38
	1301.76	51.48	25.43	36.94	7.58	-3.93	7.71	39.84	60.55	-20.71
	1735.68	52.45	26.89	36.11	9.15	-0.07	7.71	44.67	60.55	-15.88
Vertical	433.92	53.55	18.73	--	3.75	22.48	7.71	68.32	80.55	-12.23
	867.84	27.92	23.16	--	5.60	28.76	7.71	48.97	60.55	-11.58
	1301.76	55.96	25.43	36.94	7.58	-3.93	7.71	44.32	60.55	-16.23
	1735.68	44.44	26.89	36.11	9.15	-0.07	7.71	36.66	60.55	-23.89

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Off Lying

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	45.94	18.73	--	3.75	22.48	7.66	60.76	80.55	-19.79
	867.84	25.26	23.16	--	5.60	28.76	7.66	46.36	60.55	-14.19
	1301.76	57.41	25.43	36.94	7.58	-3.93	7.66	48.82	60.55	-14.73
	1735.68	47.71	26.89	36.11	9.15	-0.07	7.66	39.98	60.55	-20.57
Vertical	433.92	36.77	18.73	--	3.75	22.48	7.66	51.59	80.55	-28.96
	867.84	25.01	23.16	--	5.60	28.76	7.66	46.11	60.55	-14.44
	1301.76	58.84	25.43	36.94	7.58	-3.93	7.66	47.25	60.55	-13.30
	1735.68	45.48	26.89	36.11	9.15	-0.07	7.66	37.75	60.55	-22.80

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT201TX Humidity : 60%

Serial No. : E07081022 Date of Test : Aug 24, 2007

Test Mode : Off Side

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	45.73	18.73	--	3.75	22.48	7.66	60.55	80.55	-20.00
	867.84	23.43	23.16	--	5.60	28.76	7.66	44.53	60.55	-16.02
	1301.76	59.45	25.43	36.94	7.58	-3.93	7.66	47.86	60.55	-12.69
	1735.68	46.25	26.89	36.11	9.15	-0.07	7.66	38.52	60.55	-22.03
Vertical	433.92	52.80	18.73	--	3.75	22.48	7.66	67.62	80.55	-12.93
	867.84	25.10	23.16	--	5.60	28.76	7.66	46.20	60.55	-14.35
	1301.76	61.22	25.43	36.94	7.58	-3.93	7.66	49.63	60.55	-10.92
	1735.68	52.49	26.89	36.11	9.15	-0.07	7.66	44.76	60.55	-15.79

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Off Stand

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	46.34	18.73	--	3.75	22.48	7.66	61.16	80.55	-19.39
	867.84	20.04	23.16	--	5.60	28.76	7.66	41.14	60.55	-19.41
	1301.76	54.42	25.43	36.94	7.58	-3.93	7.66	42.83	60.55	-17.72
	1735.68	50.95	26.89	36.11	9.15	-0.07	7.66	43.22	60.55	-17.33
Vertical	433.92	52.12	18.73	--	3.75	22.48	7.66	66.94	80.55	-13.61
	867.84	28.31	23.16	--	5.60	28.76	7.66	49.41	60.55	-11.14
	1301.76	62.43	25.43	36.94	7.58	-3.93	7.66	50.84	60.55	-9.71
	1735.68	47.18	26.89	36.11	9.15	-0.07	7.66	39.45	60.55	-21.10

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Sound Lying

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	45.10	18.73	--	3.75	22.48	7.80	59.78	80.55	-20.77
	867.84	23.84	23.16	--	5.60	28.76	7.80	44.80	60.55	-15.75
	1301.76	57.59	25.43	36.94	7.58	-3.93	7.80	45.86	60.55	-14.69
	1735.68	47.18	26.89	36.11	9.15	-0.07	7.80	39.31	60.55	-21.24
Vertical	433.92	33.22	18.73	--	3.75	22.48	7.80	47.90	80.55	-32.65
	867.84	20.93	23.16	--	5.60	28.76	7.80	41.89	60.55	-18.66
	1301.76	57.55	25.43	36.94	7.58	-3.93	7.80	45.82	60.55	-14.73
	1735.68	46.64	26.89	36.11	9.15	-0.07	7.80	38.77	60.55	-21.78

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Sound Side

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	46.01	18.73	--	3.75	22.48	7.80	60.69	80.55	-19.86
	867.84	23.09	23.16	--	5.60	28.76	7.80	44.05	60.55	-16.50
	1301.76	58.91	25.43	36.94	7.58	-3.93	7.80	47.18	60.55	-13.37
	1735.68	44.63	26.89	36.11	9.15	-0.07	7.80	36.76	60.55	-23.79
Vertical	433.92	53.73	18.73	--	3.75	22.48	7.80	68.41	80.55	-12.14
	867.84	25.87	23.16	--	5.60	28.76	7.80	46.83	60.55	-13.72
	1301.76	55.45	25.43	36.94	7.58	-3.93	7.80	43.72	60.55	-16.83
	1735.68	51.53	26.89	36.11	9.15	-0.07	7.80	43.66	60.55	-16.89

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Sound Stand

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	46.12	18.73	--	3.75	22.48	7.80	60.80	80.55	-19.75
	867.84	17.21	23.16	--	5.60	28.76	7.80	38.17	60.55	-22.38
	1301.76	52.59	25.43	36.94	7.58	-3.93	7.80	40.86	60.55	-19.69
	1735.68	49.83	26.89	36.11	9.15	-0.07	7.80	41.96	60.55	-18.59
Vertical	433.92	52.42	18.73	--	3.75	22.48	7.80	67.10	80.55	-13.45
	867.84	26.74	23.16	--	5.60	28.76	7.80	47.70	60.55	-12.85
	1301.76	62.31	25.43	36.94	7.58	-3.93	7.80	50.58	60.55	-9.97
	1735.68	43.92	26.89	36.11	9.15	-0.07	7.80	36.05	60.55	-24.50

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Mode Lying

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	46.34	18.73	--	3.75	22.48	7.61	61.21	80.55	-19.34
	867.84	24.46	23.16	--	5.60	28.76	7.61	45.61	60.55	-14.94
	1301.76	58.46	25.43	36.94	7.58	-3.93	7.61	46.92	60.55	-13.63
	1735.68	48.19	26.89	36.11	9.15	-0.07	7.61	40.22	60.55	-20.33
Vertical	433.92	36.88	18.73	--	3.75	22.48	7.61	51.75	80.55	-28.80
	867.84	24.96	23.16	--	5.60	28.76	7.61	46.11	60.55	-14.44
	1301.76	56.99	25.43	36.94	7.58	-3.93	7.61	45.45	60.55	-15.10
	1735.68	46.91	26.89	36.11	9.15	-0.07	7.61	39.23	60.55	-21.32

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Mode Side

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	44.60	18.73	--	3.75	22.48	7.61	59.47	80.55	-21.08
	867.84	24.51	23.16	--	5.60	28.76	7.61	45.66	60.55	-14.89
	1301.76	57.27	25.43	36.94	7.58	-3.93	7.61	45.73	60.55	-14.82
	1735.68	46.08	26.89	36.11	9.15	-0.07	7.61	38.40	60.55	-22.15
Vertical	433.92	53.34	18.73	--	3.75	22.48	7.61	68.21	80.55	-12.34
	867.84	24.48	23.16	--	5.60	28.76	7.61	45.63	60.55	-14.92
	1301.76	62.99	25.43	36.94	7.58	-3.93	7.61	51.45	60.55	-9.10
	1735.68	51.69	26.89	36.11	9.15	-0.07	7.61	44.01	60.55	-16.54

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : Mode Stand

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	45.82	18.73	--	3.75	22.48	7.61	60.69	80.55	-19.86
	867.84	19.48	23.16	--	5.60	28.76	7.61	40.63	60.55	-19.92
	1301.76	54.35	25.43	36.94	7.58	-3.93	7.61	42.81	60.55	-17.74
	1735.68	50.31	26.89	36.11	9.15	-0.07	7.61	42.63	60.55	-17.92
Vertical	433.92	52.40	18.73	--	3.75	22.48	7.61	67.27	80.55	-13.28
	867.84	27.54	23.16	--	5.60	28.76	7.61	48.69	60.55	-11.86
	1301.76	58.77	25.43	36.94	7.58	-3.93	7.61	47.23	60.55	-13.32
	1735.68	44.40	26.89	36.11	9.15	-0.07	7.61	36.72	60.55	-23.83

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : HI Lying

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	47.62	18.73	--	3.75	22.48	7.76	62.34	80.55	-18.21
	867.84	27.78	23.16	--	5.60	28.76	7.76	56.54	60.55	-11.77
	1301.76	57.71	25.43	36.94	7.58	-3.93	7.76	46.02	60.55	-14.53
	1735.68	47.12	26.89	36.11	9.15	-0.07	7.76	39.29	60.55	-21.26
Vertical	433.92	37.92	18.73	--	3.75	22.48	7.76	52.64	80.55	-27.91
	867.84	25.19	23.16	--	5.60	28.76	7.76	46.19	60.55	-14.36
	1301.76	57.34	25.43	36.94	7.58	-3.93	7.76	45.65	60.55	-14.90
	1735.68	45.29	26.89	36.11	9.15	-0.07	7.76	37.46	60.55	-23.09

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : HI Side

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	46.28	18.73	--	3.75	22.48	7.76	61.00	80.55	-19.55
	867.84	34.86	23.16	--	5.60	28.76	7.76	55.86	60.55	-4.69
	1301.76	62.43	25.43	36.94	7.58	-3.93	7.76	50.74	60.55	-9.81
	1735.68	44.17	26.89	36.11	9.15	-0.07	7.76	36.34	60.55	-24.21
Vertical	433.92	53.45	18.73	--	3.75	22.48	7.76	68.17	80.55	-12.38
	867.84	27.80	23.16	--	5.60	28.76	7.76	48.80	60.55	-11.75
	1301.76	58.89	25.43	36.94	7.58	-3.93	7.76	47.20	60.55	-13.35
	1735.68	51.37	26.89	36.11	9.15	-0.07	7.76	43.54	60.55	-17.01

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : HI Stand

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	45.22	18.73	--	3.75	22.48	7.76	59.94	80.55	-20.61
	867.84	22.80	23.16	--	5.60	28.76	7.76	43.80	60.55	-16.75
	1301.76	55.06	25.43	36.94	7.58	-3.93	7.76	43.37	60.55	-17.18
	1735.68	49.67	26.89	36.11	9.15	-0.07	7.76	41.84	60.55	-18.71
Vertical	433.92	54.40	18.73	--	3.75	22.48	7.76	69.12	80.55	-11.43
	867.84	33.53	23.16	--	5.60	28.76	7.76	54.53	60.55	-6.02
	1301.76	62.43	25.43	36.94	7.58	-3.93	7.76	50.74	60.55	-9.81
	1735.68	44.17	26.89	36.11	9.15	-0.07	7.76	36.34	60.55	-24.21

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : LO Lying

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	34.86	18.73	--	3.75	22.48	7.90	49.44	80.55	-31.11
	867.84	23.84	23.16	--	5.60	28.76	7.90	44.70	60.55	-15.85
	1301.76	58.65	25.43	36.94	7.58	-3.93	7.90	46.82	60.55	-13.73
	1735.68	44.84	26.89	36.11	9.15	-0.07	7.90	36.87	60.55	-23.68
Vertical	433.92	52.22	18.73	--	3.75	22.48	7.90	66.80	80.55	-13.75
	867.84	30.83	23.16	--	5.60	28.76	7.90	51.69	60.55	-8.86
	1301.76	57.92	25.43	36.94	7.58	-3.93	7.90	46.09	60.55	-14.46
	1735.68	46.11	26.89	36.11	9.15	-0.07	7.90	38.14	60.55	-22.41

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : LO Side

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	45.40	18.73	--	3.75	22.48	7.90	59.98	80.55	-20.57
	867.84	24.94	23.16	--	5.60	28.76	7.90	45.80	60.55	-14.75
	1301.76	60.26	25.43	36.94	7.58	-3.93	7.90	48.43	60.55	-12.12
	1735.68	45.66	26.89	36.11	9.15	-0.07	7.90	37.69	60.55	-22.86
Vertical	433.92	53.76	18.73	--	3.75	22.48	7.90	68.34	80.55	-12.21
	867.84	25.45	23.16	--	5.60	28.76	7.90	46.31	60.55	-14.24
	1301.76	57.76	25.43	36.94	7.58	-3.93	7.90	45.93	60.55	-14.62
	1735.68	51.88	26.89	36.11	9.15	-0.07	7.90	43.91	60.55	-16.64

TEST ENGINEER: DIO YANG

EUT : Fireplace Remote control system Temperature : 22°C

Model No. : LGT202TX Humidity : 60%

Serial No. : E07081023 Date of Test : Aug 24, 2007

Test Mode : LO Stand

Polarization	Frequency (MHz)	Read Level dB (μV)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Cable Loss (dB)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	433.92	52.59	18.73	--	3.75	22.48	7.90	67.17	80.55	-13.38
	867.84	26.65	23.16	--	5.60	28.76	7.90	47.51	60.55	-13.04
	1301.76	53.71	25.43	36.94	7.58	-3.93	7.90	41.88	60.55	-18.67
	1735.68	51.57	26.89	36.11	9.15	-0.07	7.90	43.60	60.55	-16.95
Vertical	433.92	47.03	18.73	--	3.75	22.48	7.90	61.61	80.55	-18.94
	867.84	31.71	23.16	--	5.60	28.76	7.90	52.57	60.55	-7.98
	1301.76	56.28	25.43	36.94	7.58	-3.93	7.90	44.45	60.55	-16.10
	1735.68	43.80	26.89	36.11	9.15	-0.07	7.90	35.83	60.55	-24.72

TEST ENGINEER: DIO YANG

5 BANDWIDTH MEASUREMENT

5.1 Test Equipment

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E7405A	MY45106600	Apr 06, 2007	Apr 06, 2008
2.	Bilog Antenna	Chase	CBL6111	1146	Mar 18, 2007	Sep 18, 2007
3.	Preamplifier	HP	8447D	2944A06849	Mar 20, 2007	Sep 20, 2007
4.	Software	Audix	E3	SET00200 9912M295-2	--	--

5.2 Bandwidth Limit

The bandwidth of the emission shall be no wider than 0.25% of the center frequency.
Bandwidth is determined at the point 20dB down from the modulated carrier.
Bandwidth Limit is:

$$\text{Limit} = 0.25\% \times 433.92(\text{MHz}) = 1.0848(\text{MHz})$$

The bandwidth of Spectrum Analyzer (M/N: E7405A) is 120kHz in the test.

5.3 Test Results

<PASS>

The bandwidth of the Fundament emission is:

For On Test Mode:

$$\text{B.W.} = 434.12 - 433.76 = 0.36\text{MHz (Horizontal)}$$

$$\text{B.W.} = 434.16 - 433.76 = 0.40\text{MHz (Vertical)}$$

For Off Test Mode:

$$\text{B.W.} = 434.13 - 433.76 = 0.37\text{MHz (Horizontal)}$$

$$\text{B.W.} = 434.12 - 433.77 = 0.35\text{MHz (Vertical)}$$

For Sound Test Mode:

$$\text{B.W.} = 434.13 - 433.74 = 0.39\text{MHz (Horizontal)}$$

$$\text{B.W.} = 434.17 - 433.76 = 0.41\text{MHz (Vertical)}$$

For Mode Test Mode:

$$\text{B.W.} = 434.13 - 433.77 = 0.36\text{MHz (Horizontal)}$$

$$\text{B.W.} = 434.13 - 433.76 = 0.37\text{MHz (Vertical)}$$

For HI Test Mode:

$$\text{B.W.} = 434.14 - 433.78 = 0.36\text{MHz (Horizontal)}$$

$$\text{B.W.} = 434.13 - 433.76 = 0.37\text{MHz (Vertical)}$$

For LO Test Mode:

B.W. = $434.13 - 433.76 = 0.37\text{MHz}$ (Horizontal)

B.W. = $434.30 - 433.66 = 0.64\text{MHz}$ (Vertical)

(See Appendix II)

6 OPERATION DESCRIPTION

Motion sensor with RF remote (M/N: LGT202TX) employs a switch that will automatically deactivate the Controller within not more than 5 seconds of being released.

APPENDIX I

PLOT OF THE PULSE TRAIN

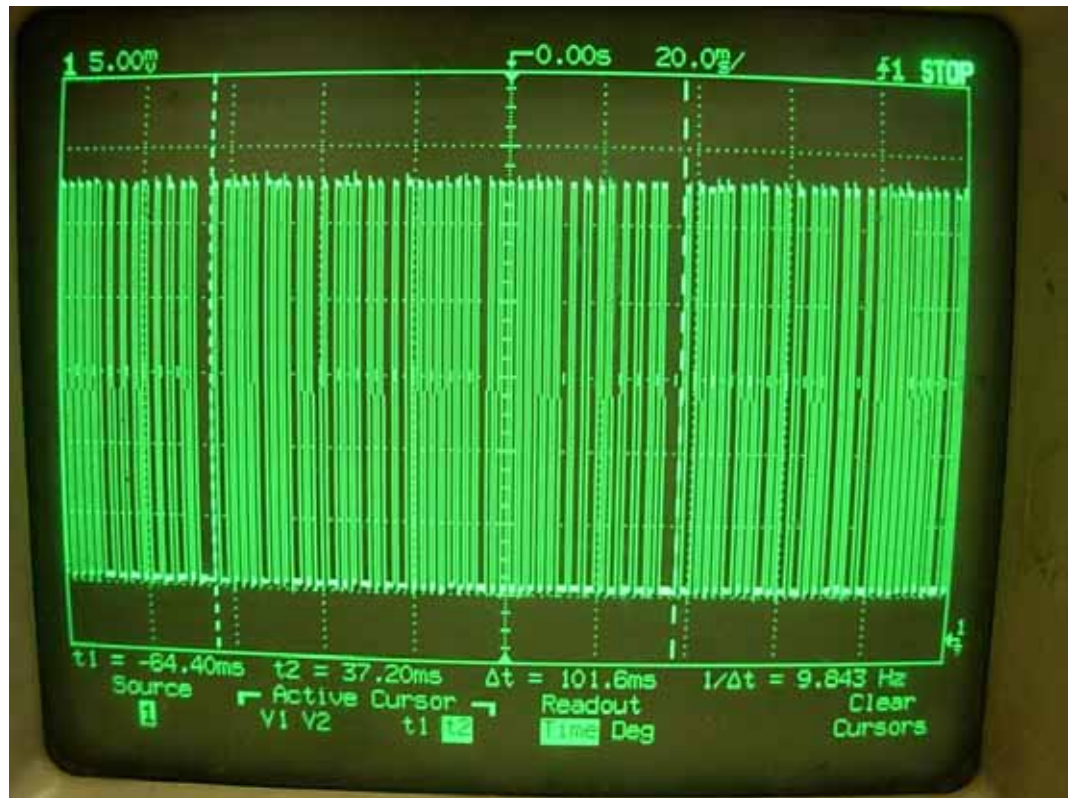


FIGURE 1-1 (TEST MODE: ON)

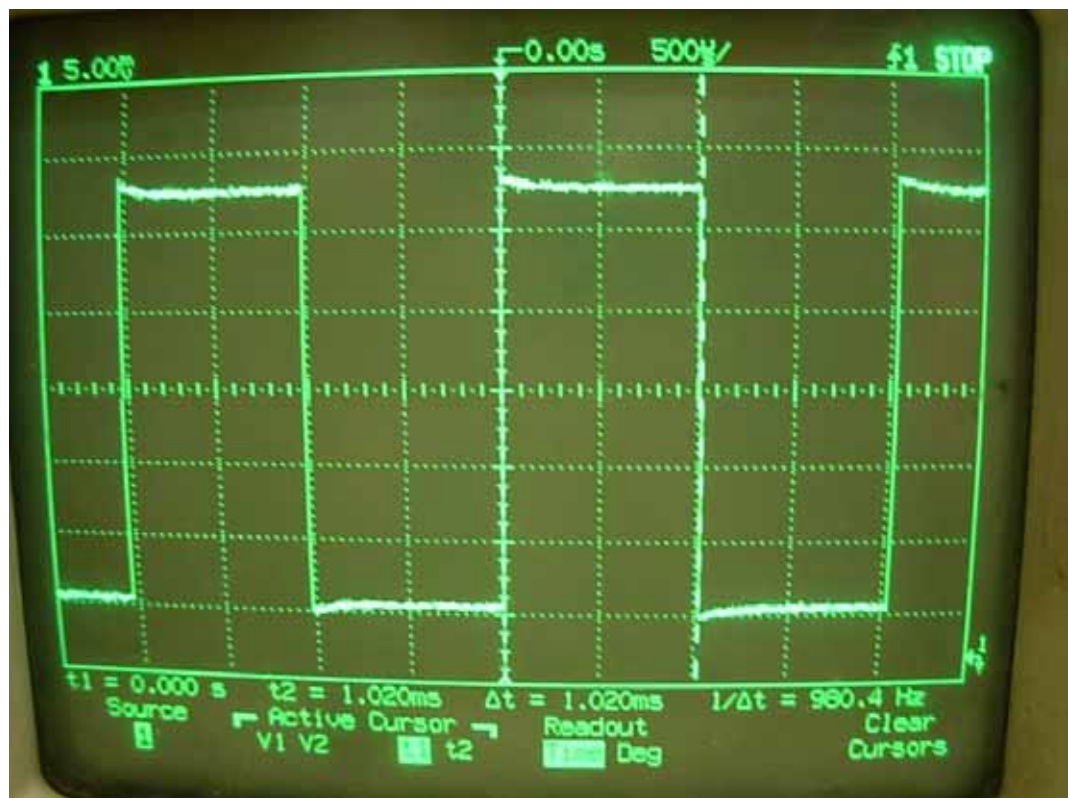


FIGURE 1-2 (TEST MODE: ON)

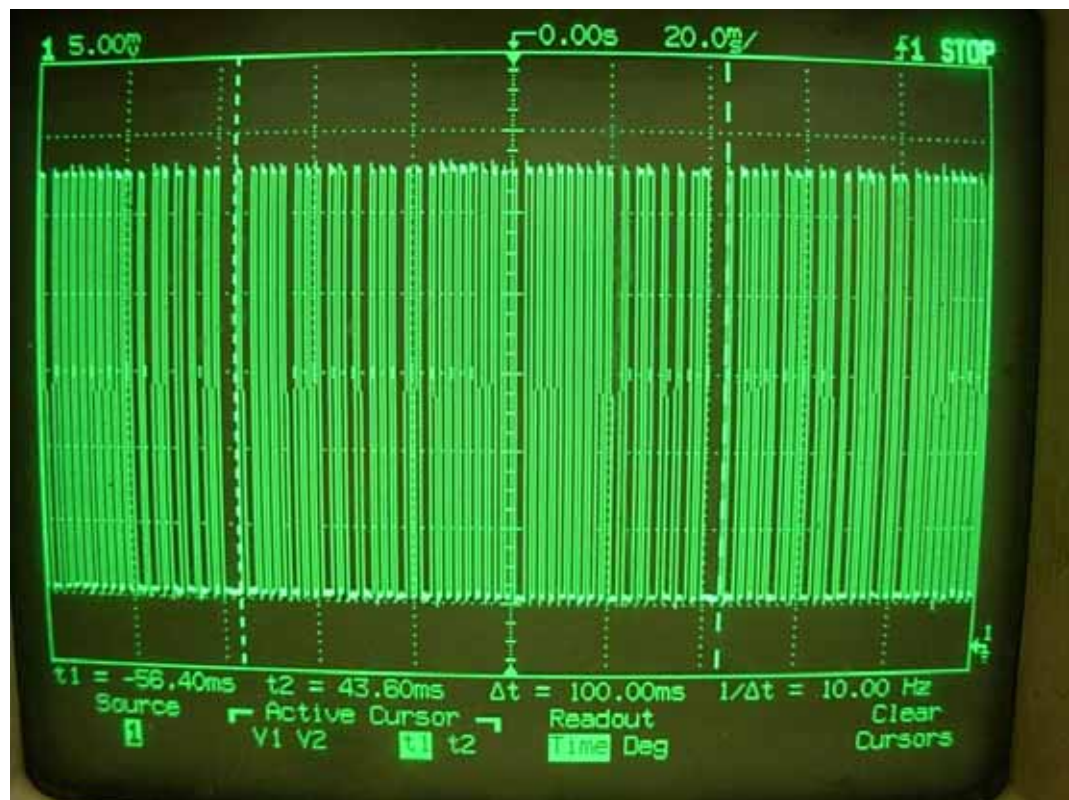


FIGURE 2-1 (TEST MODE: OFF)

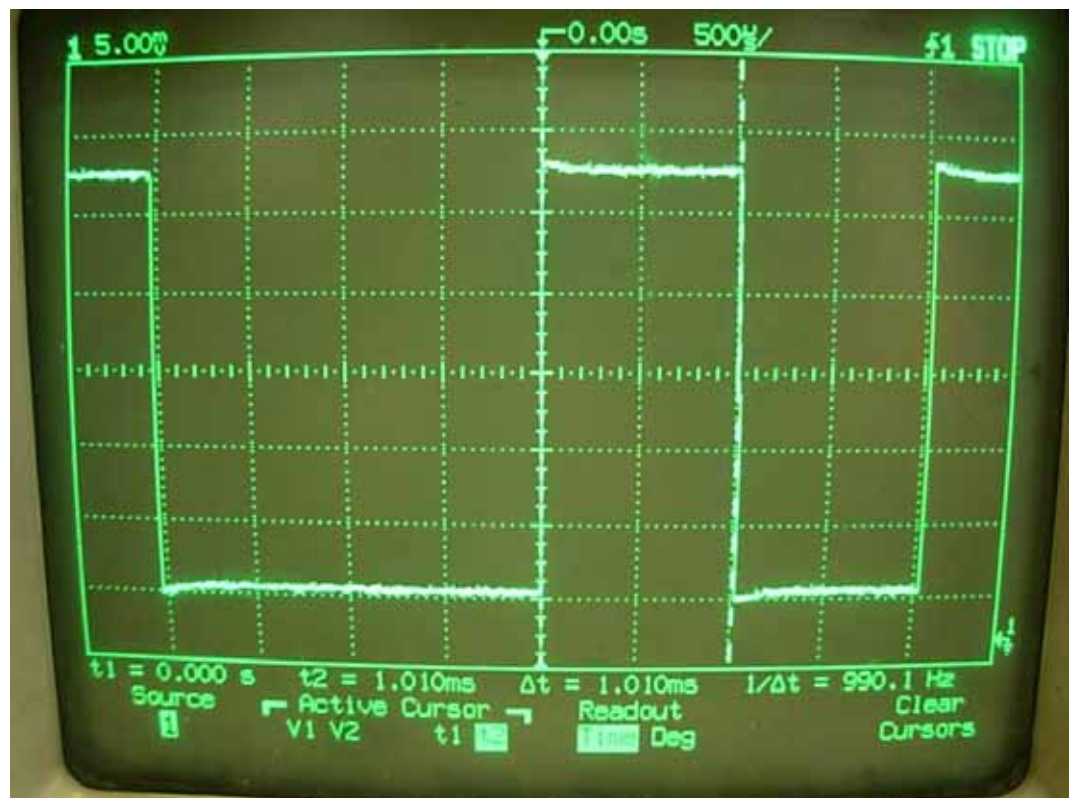


FIGURE 2-2 (TEST MODE: OFF)

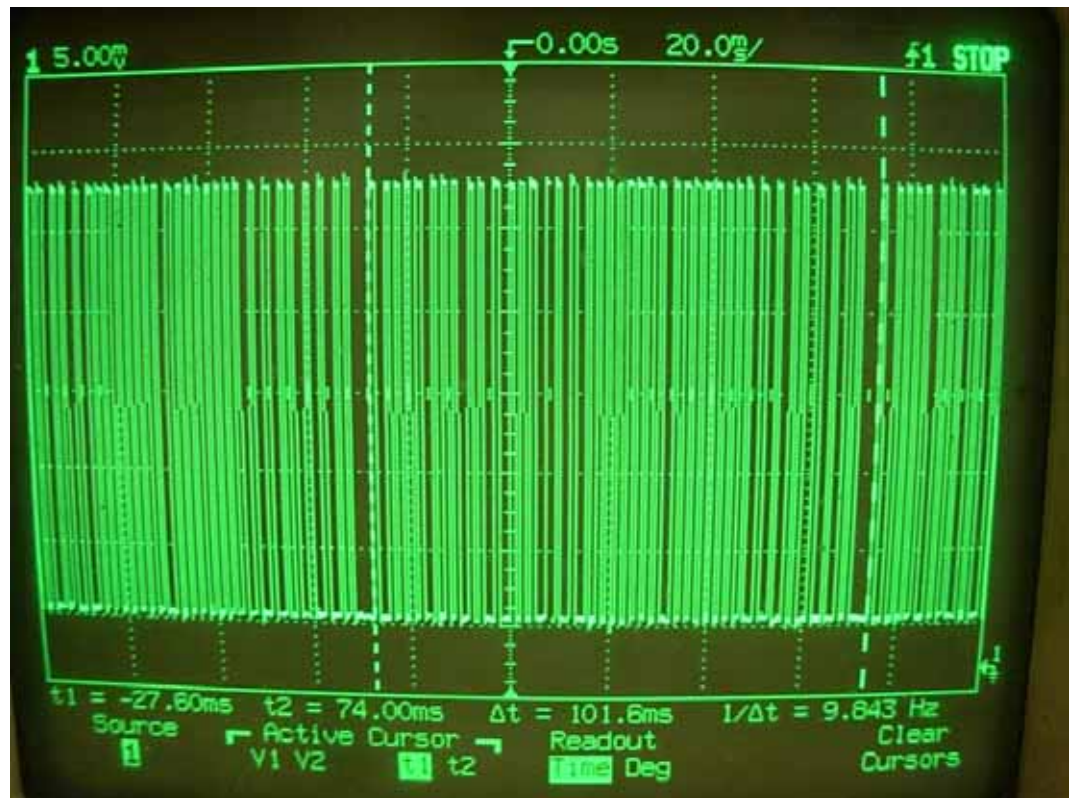


FIGURE 3-1 (TEST MODE: SOUND)

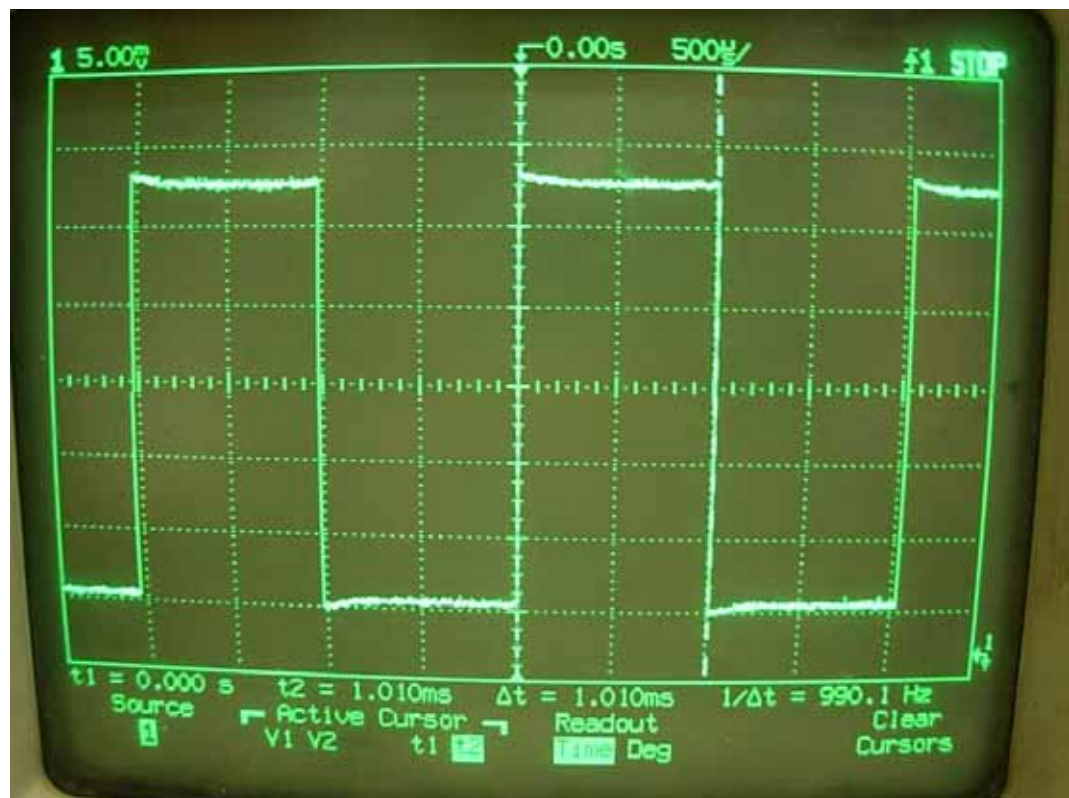


FIGURE 3-2 (TEST MODE: SOUND)

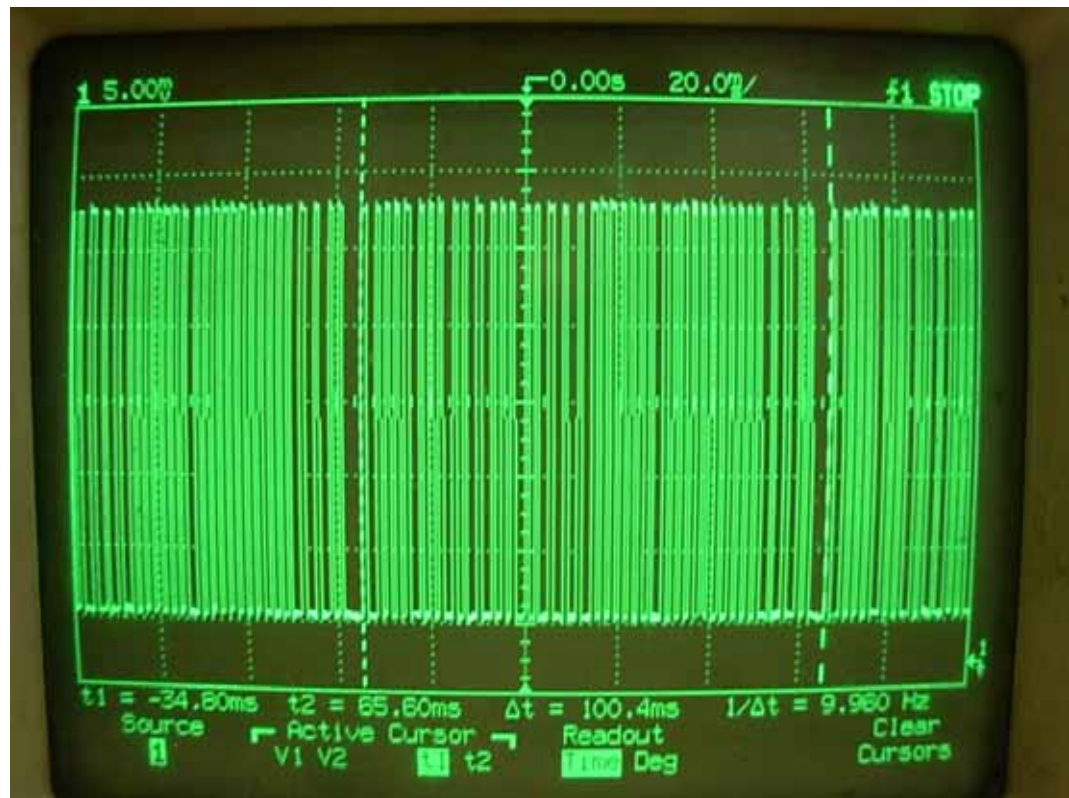


FIGURE 4-1 (TEST MODE: MODE)

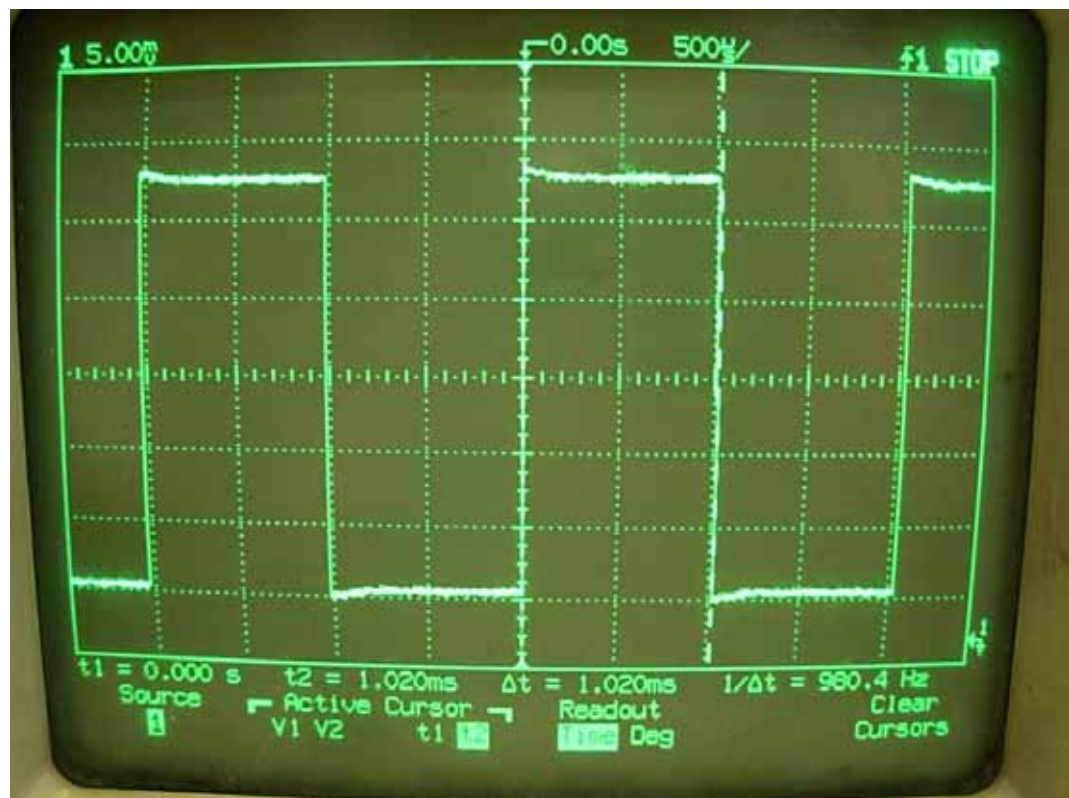


FIGURE 4-2 (TEST MODE: MODE))

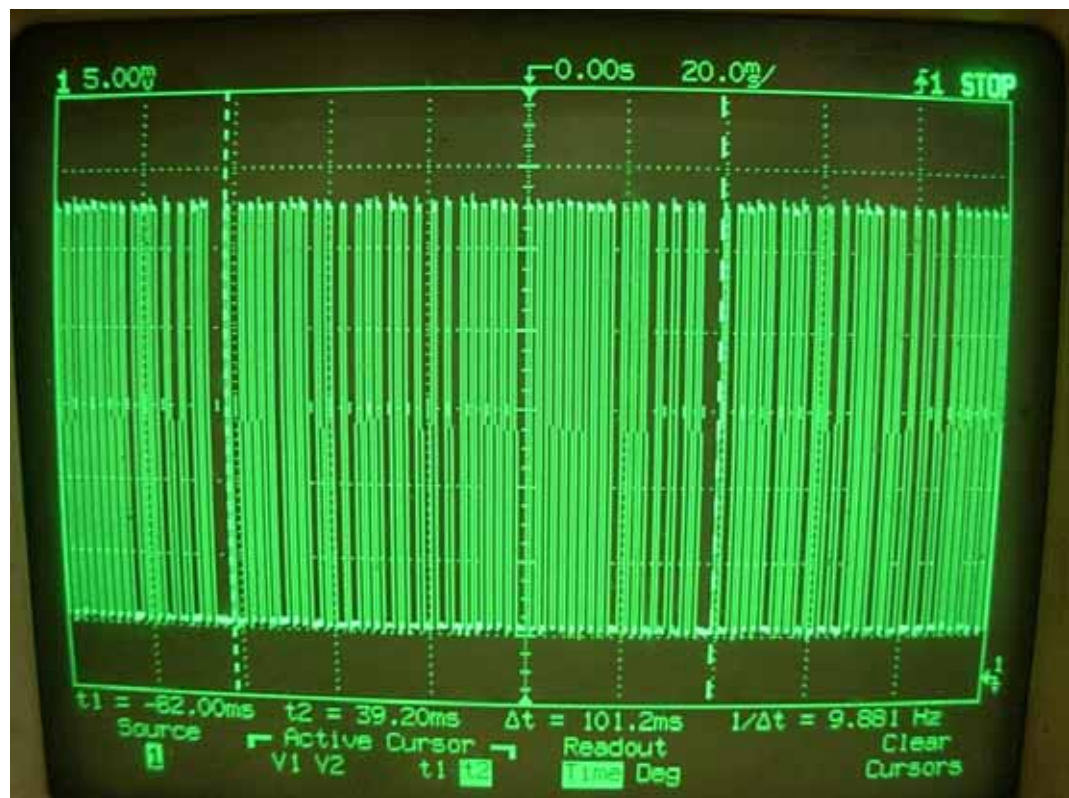


FIGURE 5-1 (TEST MODE: HI)

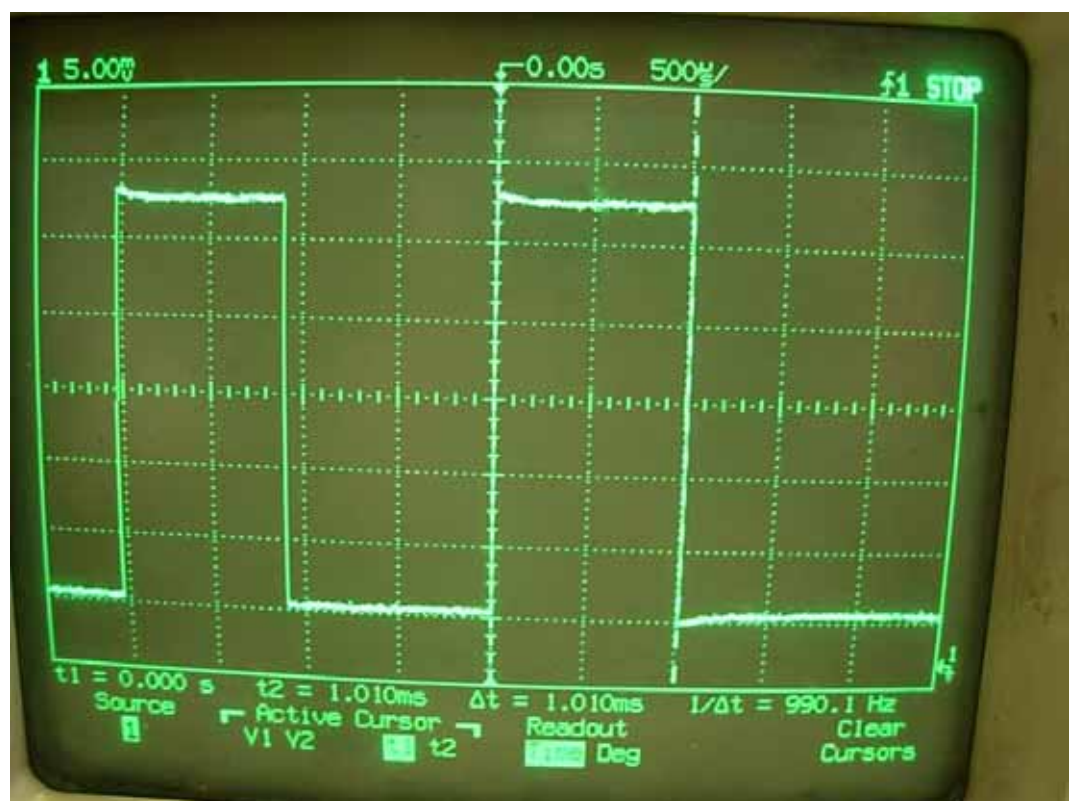


FIGURE 5-2 (TEST MODE: HI)

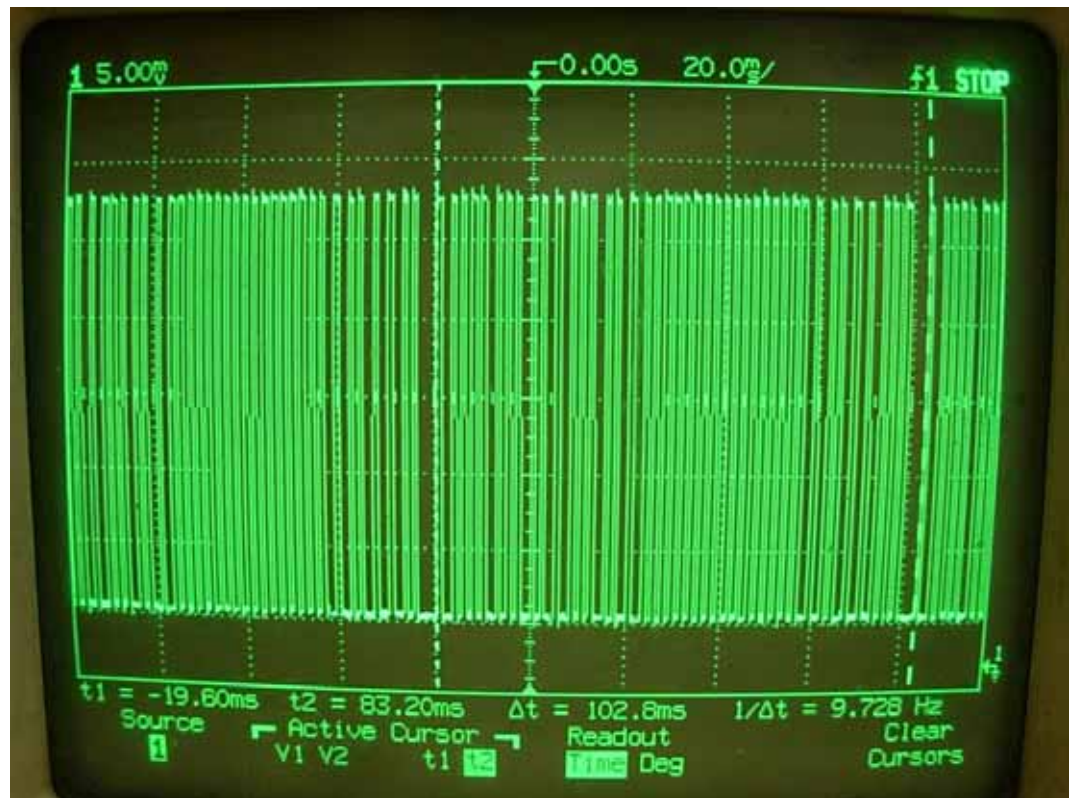


FIGURE 6-1 (TEST MODE: LO)

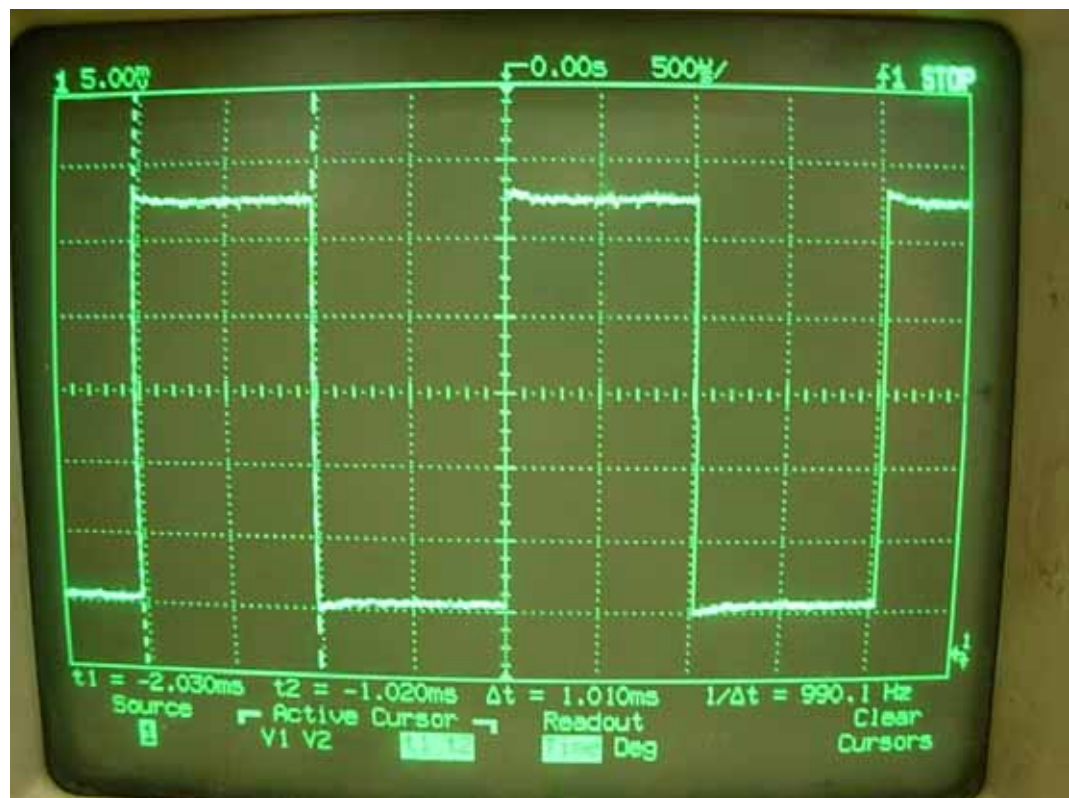


FIGURE 6-2 (TEST MODE: LO)

APPENDIX II

PLOT OF THE OCCUPIED BANDWIDTH

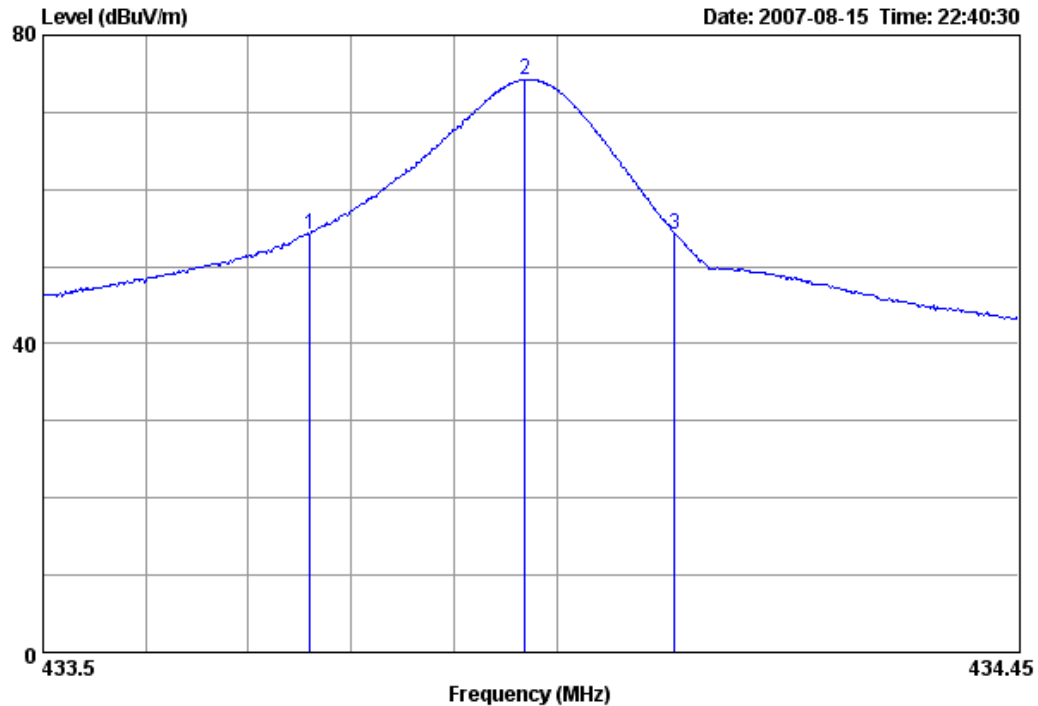


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 audixaci@audix.com

Data: 163

File: D:\Power-Mag.EM6 (179)

Date: 2007-08-15 Time: 22:40:30



Site no	: Audix ACI (3m Chamber)	Data no.	: 163
Dis. / Ant.	: 3m / 1145-07.03.18	Ant. pol.	: HORIZONTAL
Env. / Ins.	: 22'C 60%RH/ E7405A	Engineer	: Dio
EUT	: Fireplace Remote control system		
M/N	: LGT202TX		
S/N	: E07081023		
Power Rating	: DC 3V		
Test Mode	: ON		

	Freq. (MHz)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dBuV)	Reading (dBuV/m)	Emission Level
1	433.76	18.73	27.43	3.74	59.19	54.23
2	433.97	18.73	27.43	3.75	79.21	74.26
3	434.12	18.73	27.43	3.75	59.19	54.24

Remarks: 1. Emission Level = Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official are not report.

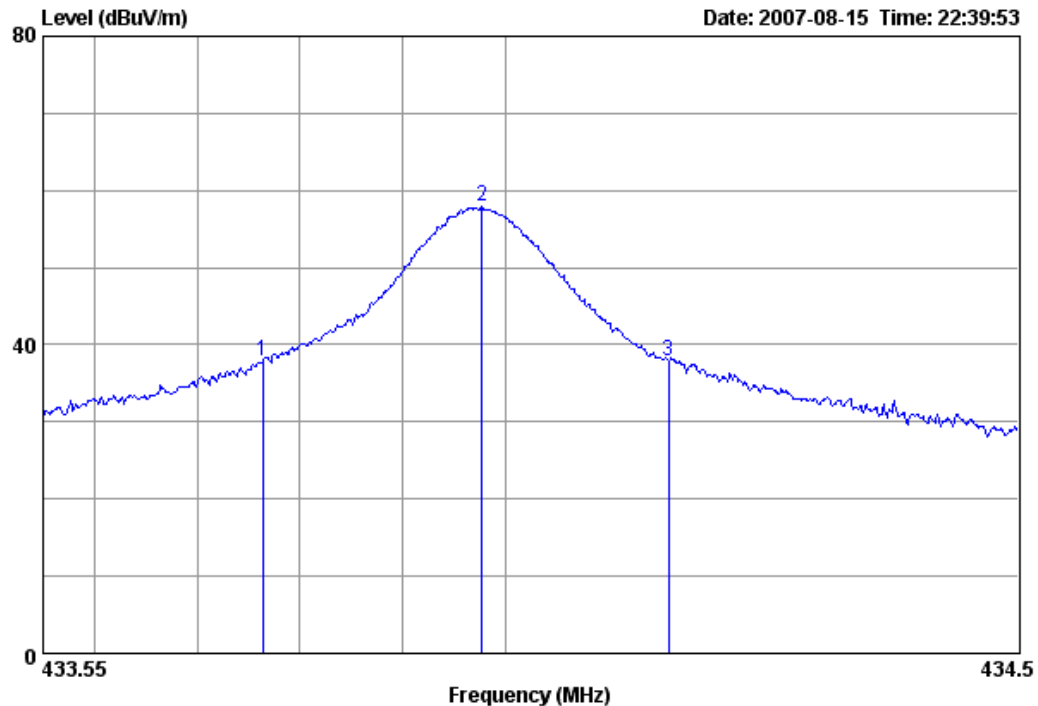


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 audixaci@audix.com

Data: 162

File: D:\Power-Mag.EM6 (179)

Date: 2007-08-15 Time: 22:39:53



Site no	: Audix ACI (3m Chamber)	Data no.	: 162
Dis. / Ant.	: 3m /1145-07.03.18	Ant. pol.	: VERTICAL
Env. / Ins.	: 22'C 60%RH/ E7405A	Engineer	: Dio
EUT	: Fireplace Remote control system		
M/N	: LGT202TX		
S/N	: E07081023		
Power Rating	: DC 3V		
Test Mode	: ON		

	Freq. (MHz)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dBuV)	Reading (dBuV/m)	Emission Level
1	433.76	18.73	27.43	3.74	42.79	37.83
2	433.98	18.73	27.43	3.75	62.87	57.92
3	434.16	18.73	27.43	3.75	42.79	37.84

Remarks: 1.Emission Level= Antenna Factor + Cable Loss + Reading.
 2.The emission levels that are 20dB below the official are not report.

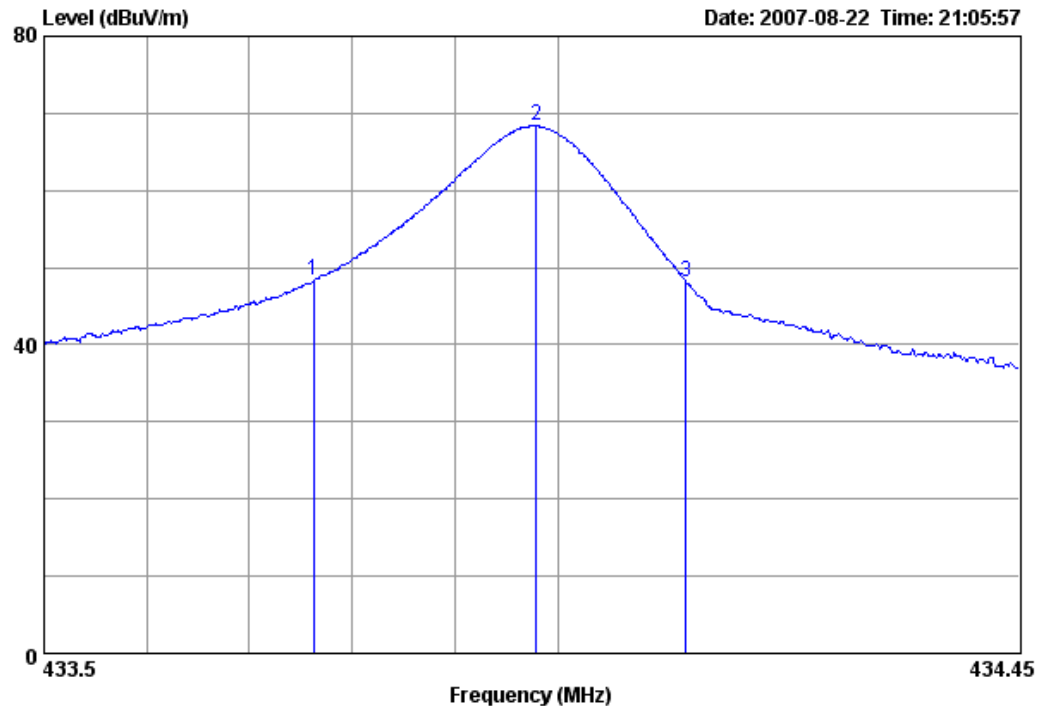


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Data: 176

File: D:\Power-Mag.EM6 (179)

Date: 2007-08-22 Time: 21:05:57



Site no	: Audix ACI (3m Chamber)	Data no.	: 176
Dis. / Ant.	: 3m /1145-07.03.18	Ant. pol.	: HORIZONTAL
Env. / Ins.	: 22'C 60%RH/ E7405A	Engineer	: Dio
EUT	: Fireplace Remote control system		
M/N	: LGT202TX		
S/N	: E07081023		
Power Rating	: DC 3V		
Test Mode	: OFF		

	Freq. (MHz)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dBuV)	Reading (dBuV/m)	Emission Level
1	433.76	18.73	27.43	3.74	53.28	48.32
2	433.98	18.73	27.43	3.75	73.33	68.38
3	434.13	18.73	27.43	3.75	53.15	48.20

Remarks: 1.Emission Level= Antenna Factor + Cable Loss + Reading.
 2.The emission levels that are 20dB below the official are not report.

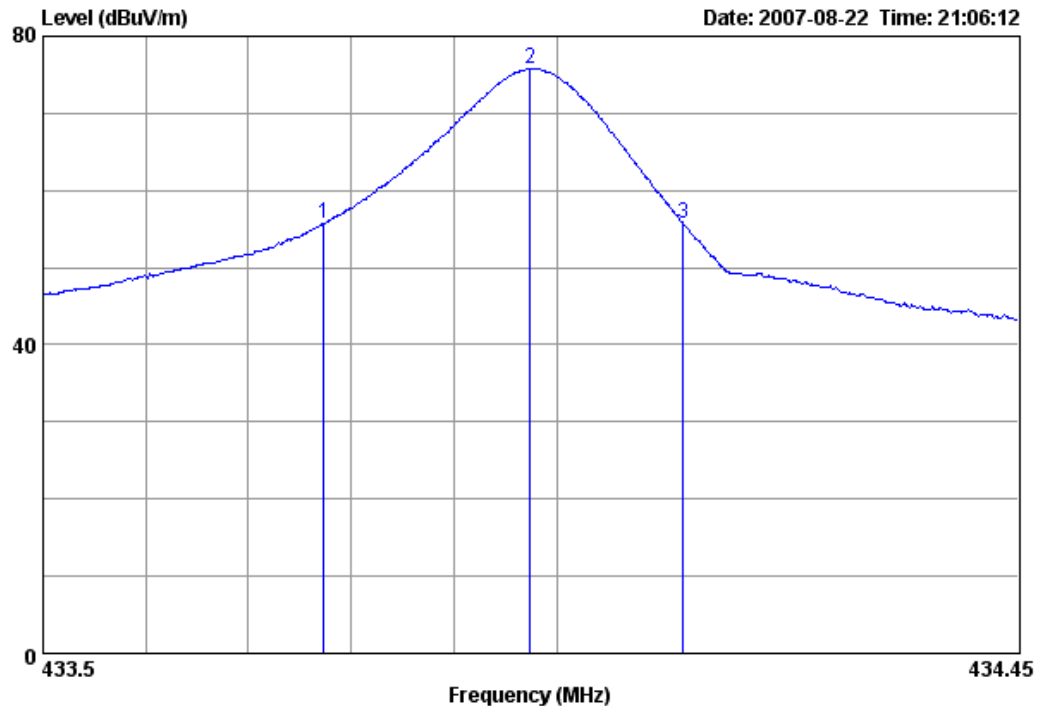


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Data: 177

File: D:\Power-Mag.EM6 (179)

Date: 2007-08-22 Time: 21:06:12



Site no	: Audix ACI (3m Chamber)	Data no.	: 177
Dis. / Ant.	: 3m /1145-07.03.18	Ant. pol.	: VERTICAL
Env. / Ins.	: 22'C 60%RH/ E7405A	Engineer	: Dio
EUT	: Fireplace Remote control system		
M/N	: LGT202TX		
S/N	: E07081023		
Power Rating	: DC 3V		
Test Mode	: OFF		

	Freq. (MHz)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dBuV)	Reading (dBuV/m)	Emission Level
1	433.77	18.73	27.43	3.74	60.69	55.73
2	433.97	18.73	27.43	3.75	80.68	75.73
3	434.12	18.73	27.43	3.75	60.67	55.72

Remarks: 1.Emission Level= Antenna Factor + Cable Loss + Reading.
 2.The emission levels that are 20dB below the official are not report.

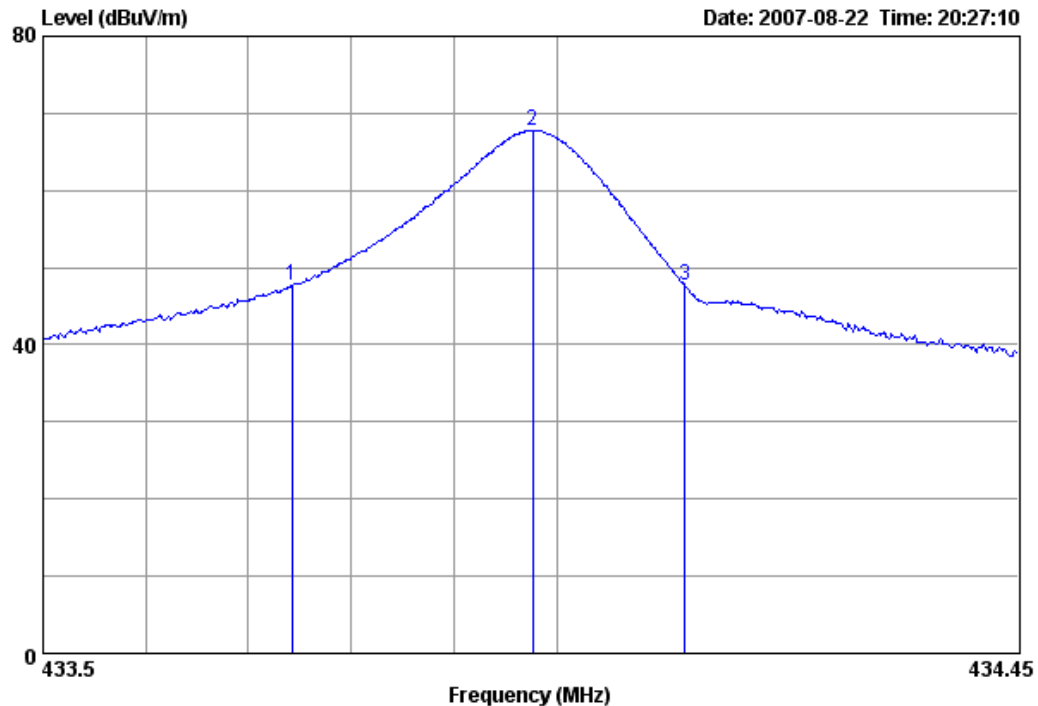


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 audixaci@audix.com

Data: 172

File: D:\Power-Mag.EM6 (179)

Date: 2007-08-22 Time: 20:27:10



Site no	: Audix ACI (3m Chamber)	Data no.	: 172
Dis. / Ant.	: 3m /1145-07.03.18	Ant. pol.	: HORIZONTAL
Env. / Ins.	: 22'C 60%RH/ E7405A	Engineer	: Dio
EUT	: Fireplace Remote control system		
M/N	: LGT202TX		
S/N	: E07081023		
Power Rating	: DC 3V		
Test Mode	: SOUND		

	Freq. (MHz)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dBuV)	Reading (dBuV/m)	Emission Level
1	433.74	18.73	27.43	3.74	52.64	47.68
2	433.98	18.73	27.43	3.75	72.72	67.77
3	434.13	18.73	27.43	3.75	52.61	47.66

Remarks: 1.Emission Level= Antenna Factor + Cable Loss + Reading.
 2.The emission levels that are 20dB below the official are not report.

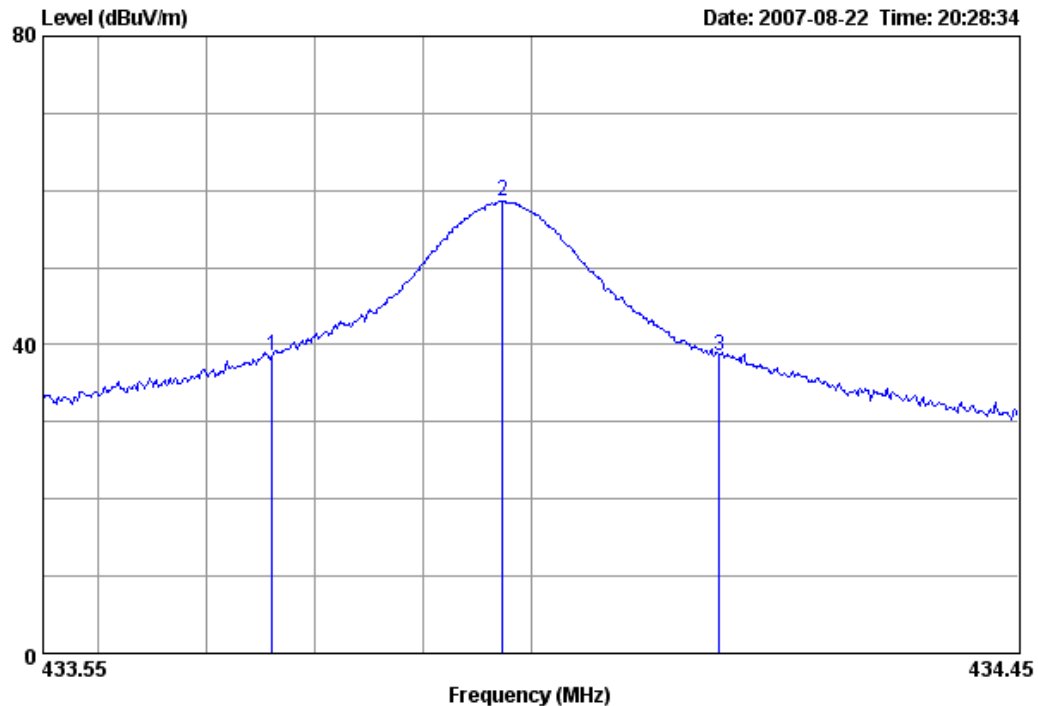


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Data: 173

File: D:\Power-Mag.EM6 (179)

Date: 2007-08-22 Time: 20:28:34



Site no	: Audix ACI (3m Chamber)	Data no.	: 173
Dis. / Ant.	: 3m /1145-07.03.18	Ant. pol.	: VERTICAL
Env. / Ins.	: 22'C 60%RH/ E7405A	Engineer	: Dio
EUT	: Fireplace Remote control system		
M/N	: LGT202TX		
S/N	: E07081023		
Power Rating	: DC 3V		
Test Mode	: SOUND		

	Freq. (MHz)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dBuV)	Reading (dBuV/m)	Emission Level
1	433.76	18.73	27.43	3.74	43.49	38.53
2	433.97	18.73	27.43	3.75	63.62	58.67
3	434.17	18.73	27.43	3.75	43.53	38.58

Remarks: 1.Emission Level= Antenna Factor + Cable Loss + Reading.
 2.The emission levels that are 20dB below the official are not report.

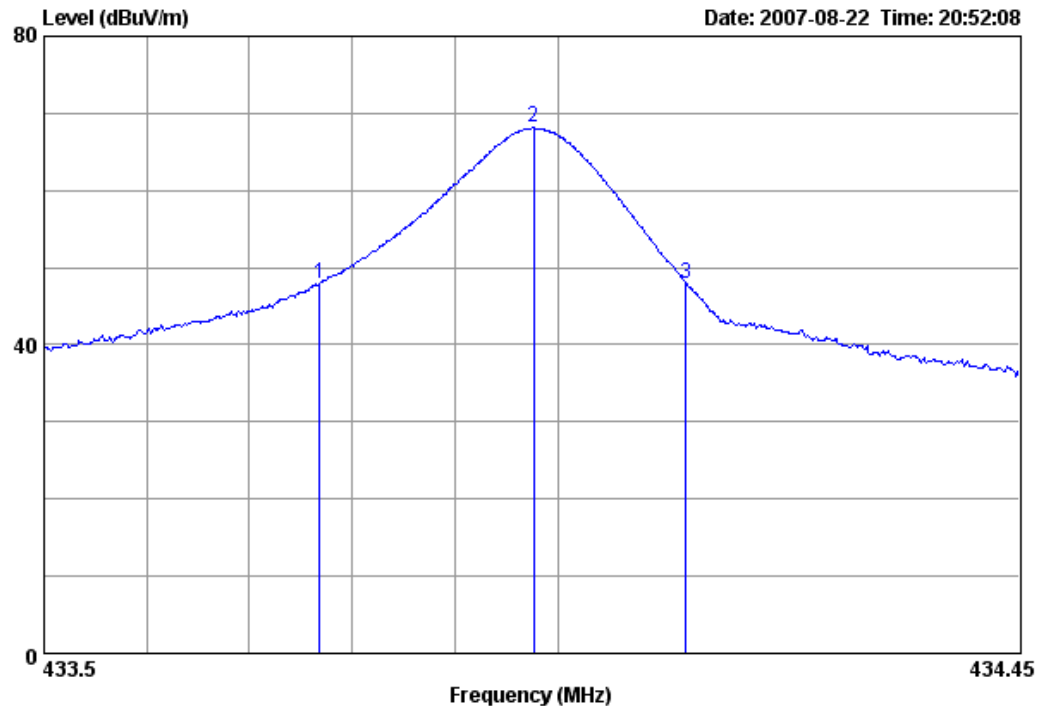


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 audixaci@audix.com

Data: 174

File: D:\Power-Mag.EM6 (179)

Date: 2007-08-22 Time: 20:52:08



Site no : Audix ACI (3m Chamber) Data no. : 174
 Dis. / Ant. : 3m /1145-07.03.18 Ant. pol. : HORIZONTAL
 Env. / Ins. : 22'C 60%RH/ E7405A Engineer : Dio
 EUT : Fireplace Remote control system
 M/N : LGT202TX
 S/N : E07081023
 Power Rating: DC 3V
 Test Mode : MODE

	Freq. (MHz)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dBuV)	Reading (dBuV/m)	Emission Level
1	433.77	18.73	27.43	3.74	52.83	47.87
2	433.98	18.73	27.43	3.75	73.05	68.10
3	434.13	18.73	27.43	3.75	52.96	48.01

Remarks: 1.Emission Level= Antenna Factor + Cable Loss + Reading.
 2.The emission levels that are 20dB below the official are not report.

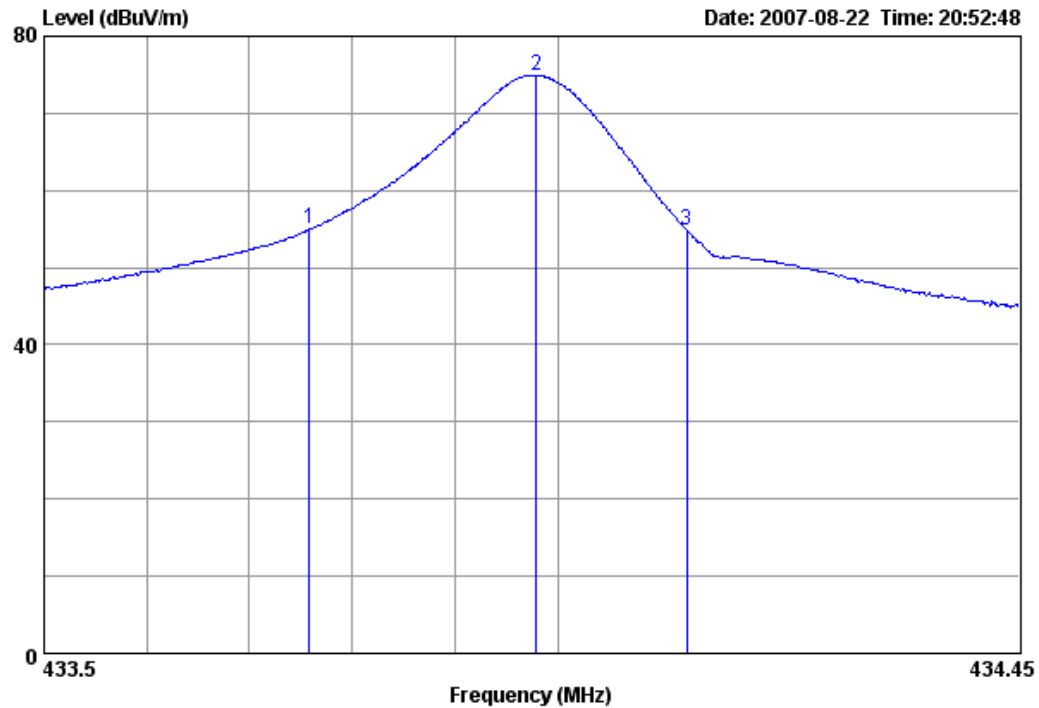


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 audixaci@audix.com

Data: 175

File: D:\Power-Mag.EM6 (179)

Date: 2007-08-22 Time: 20:52:48



Site no : Audix ACI (3m Chamber) Data no. : 175
 Dis. / Ant. : 3m /1145-07.03.18 Ant. pol. : VERTICAL
 Env. / Ins. : 22'C 60%RH/ E7405A Engineer : Dio
 EUT : Fireplace Remote control system
 M/N : LGT202TX
 S/N : E07081023
 Power Rating: DC 3V
 Test Mode : MODE

	Freq. (MHz)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dBuV)	Reading (dBuV/m)	Emission Level
1	433.76	18.73	27.43	3.74	59.91	54.95
2	433.98	18.73	27.43	3.75	79.91	74.96
3	434.13	18.73	27.43	3.75	59.83	54.88

Remarks: 1.Emission Level= Antenna Factor + Cable Loss + Reading.
 2.The emission levels that are 20dB below the official are not report.

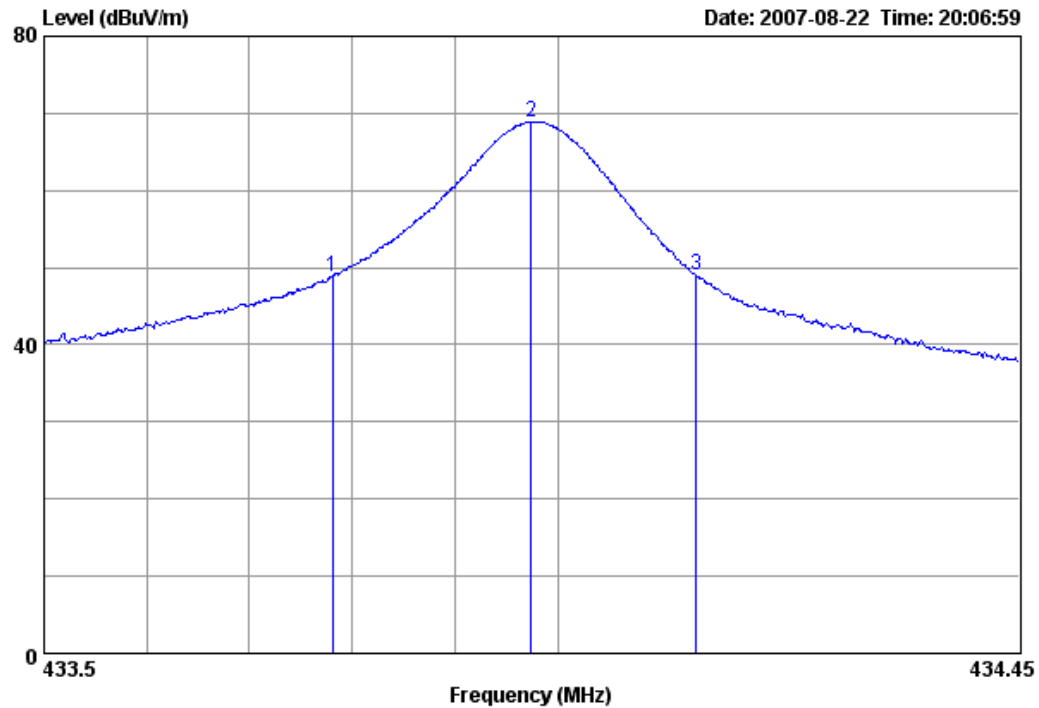


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 audixaci@audix.com

Data: 168

File: D:\Power-Mag.EM6 (179)

Date: 2007-08-22 Time: 20:06:59



Site no : Audix ACI (3m Chamber) Data no. : 168
 Dis. / Ant. : 3m /1145-07.03.18 Ant. pol. : HORIZONTAL
 Env. / Ins. : 22'C 60%RH/ E7405A Engineer : Dio
 EUT : Fireplace Remote control system
 M/N : LGT202TX
 S/N : E07081023
 Power Rating: DC 3V
 Test Mode : HI

	Freq. (MHz)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dBuV)	Reading (dBuV/m)	Emission Level
1	433.78	18.73	27.43	3.74	53.87	48.91
2	433.97	18.73	27.43	3.75	73.88	68.93
3	434.14	18.73	27.43	3.75	53.89	48.94

Remarks: 1.Emission Level= Antenna Factor + Cable Loss + Reading.
 2.The emission levels that are 20dB below the official are not report.

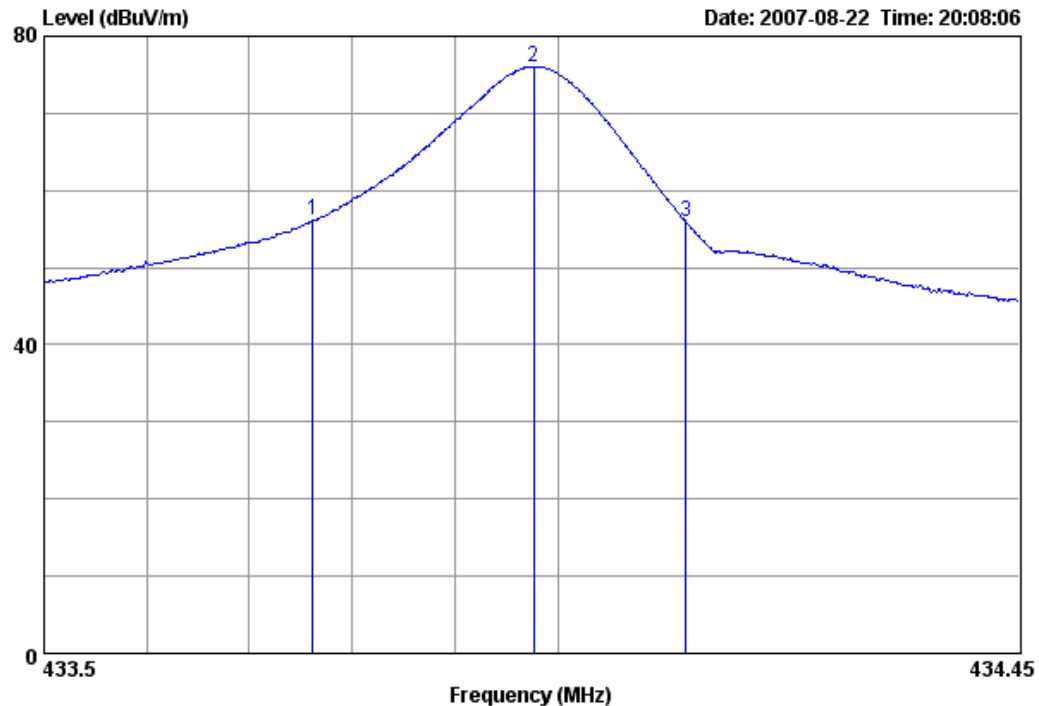


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Data: 169

File: D:\Power-Mag.EM6 (179)

Date: 2007-08-22 Time: 20:08:06



Site no	: Audix ACI (3m Chamber)	Data no.	: 169
Dis. / Ant.	: 3m /1145-07.03.18	Ant. pol.	: VERTICAL
Env. / Ins.	: 22'C 60%RH/ E7405A	Engineer	: Dio
EUT	: Fireplace Remote control system		
M/N	: LGT202TX		
S/N	: E07081023		
Power Rating	: DC 3V		
Test Mode	: HI		

	Freq. (MHz)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dBuV)	Reading (dBuV/m)	Emission Level
1	433.76	18.73	27.43	3.74	61.01	56.05
2	433.98	18.73	27.43	3.75	81.01	76.06
3	434.13	18.73	27.43	3.75	60.85	55.90

Remarks: 1.Emission Level= Antenna Factor + Cable Loss + Reading.
 2.The emission levels that are 20dB below the official are not report.

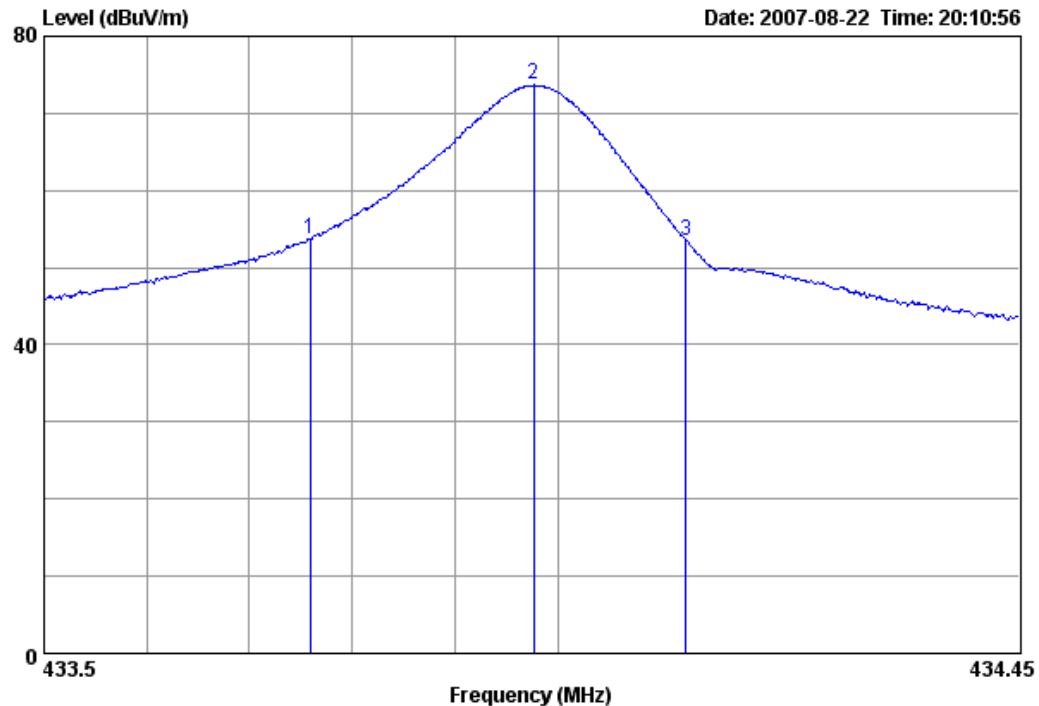


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Data: 171

File: D:\Power-Mag.EM6 (179)

Date: 2007-08-22 Time: 20:10:56



Site no	: Audix ACI (3m Chamber)	Data no.	: 171
Dis. / Ant.	: 3m /1145-07.03.18	Ant. pol.	: HORIZONTAL
Env. / Ins.	: 22'C 60%RH/ E7405A	Engineer	: Dio
EUT	: Fireplace Remote control system		
M/N	: LGT202TX		
S/N	: E07081023		
Power Rating	: DC 3V		
Test Mode	: LO		

	Freq. (MHz)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dBuV)	Reading (dBuV/m)	Emission Level
1	433.76	18.73	27.43	3.74	58.61	53.65
2	433.98	18.73	27.43	3.75	78.61	73.66
3	434.13	18.73	27.43	3.75	58.53	53.58

Remarks: 1.Emission Level= Antenna Factor + Cable Loss + Reading.
 2.The emission levels that are 20dB below the official are not report.

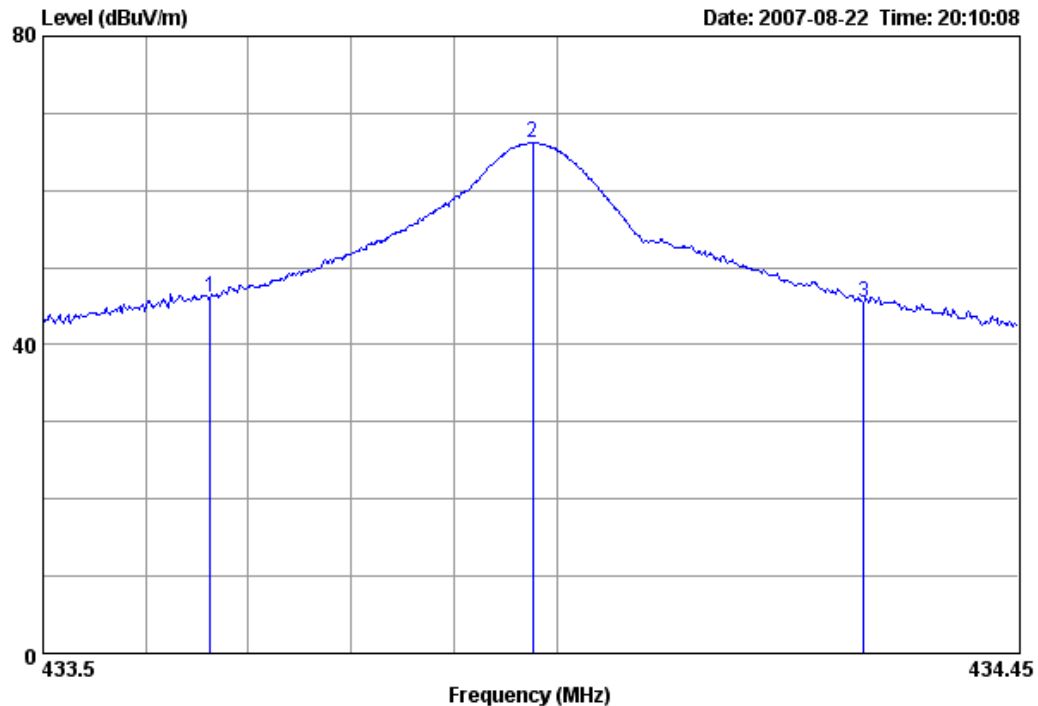


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Data: 170

File: D:\Power-Mag.EM6 (179)

Date: 2007-08-22 Time: 20:10:08



Site no	: Audix ACI (3m Chamber)	Data no.	: 170
Dis. / Ant.	: 3m /1145-07.03.18	Ant. pol.	: VERTICAL
Env. / Ins.	: 22'C 60%RH/ E7405A	Engineer	: Dio
EUT	: Fireplace Remote control system		
M/N	: LGT202TX		
S/N	: E07081023		
Power Rating	: DC 3V		
Test Mode	: LO		

	Freq. (MHz)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dBuV)	Reading (dBuV/m)	Emission Level
1	433.66	18.73	27.43	3.74	51.01	46.05
2	433.98	18.73	27.43	3.75	71.12	66.17
3	434.30	18.73	27.43	3.75	50.38	45.43

Remarks: 1.Emission Level= Antenna Factor + Cable Loss + Reading.
 2.The emission levels that are 20dB below the official are not report.