Application for FCC Certificate
On Behalf of
Jiaxing Shufude Electric Bed Co., Ltd.

Remote Control

Model No.: SFD-NR-M003

Serial No.: E2008110403

FCC ID : WKZSFDNR3

Prepared For : Jiaxing Shufude Electric Bed Co., Ltd.
East No.07 Provincial Road, Tengyun Village,
Wangjiangjing Development Area,
Jiaxing, Zhejiang, China

Prepared By : Audix Technology (Shanghai) Co., Ltd.
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Report No. : ACI-F08066
Date of Test : Nov 10 – 15, 2008
Date of Report : Nov 17, 2008

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TEST REPORT FOR FCC CERTIFICATION

Applicant	:	Jiaxing Shufude Electric Bed Co., Ltd.
Manufacturer	:	Jiaxing Shufude Electric Bed Co., Ltd..
EUT Description	:	Remote Control
		(A) Model No. : SFD-NR-M003
		(B) Serial No. : E2008110403
		(C) Power Supply : DC 4.5V (AAA Battery*3)

Test Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART C OCTOBER 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: SFD-NR-M003; S/N: E2008110403), which was tested in 3m anechoic chamber on Nov 10 – 15, 2008 to be technically compliant with the FCC official limits also.

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 : Nov 10 – 15, 2008 Date of Report : Nov 17, 2008

Producer : DIO YANG / Supervisor

Review : SAMMY CHEN / Assistant Manager

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

Signatory : BYRON KWO / Manager
Authorized Signature EMC

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	Meets Limit	Results
Conducted Emission at the Mains Terminal	FCC RULES AND REGULATIONS PART 15 SUBPART C OCTOBER 2007 AND ANSI C63.4:2003	15.207	N/A
Radiated Emission	FCC RULES AND REGULATIONS PART 15 SUBPART C OCTOBER 2007 AND ANSI C63.4:2003	15.209	Pass
Fundamental and Harmonics Emission	FCC RULES AND REGULATIONS PART 15 SUBPART C OCTOBER 2007 AND ANSI C63.4:2003	15.249	Pass
Bandwidth Measurement	FCC RULES AND REGULATIONS PART 15 SUBPART C OCTOBER 2007 AND ANSI C63.4:2003	15.215	Pass
Band-Edge Measurement	FCC RULES AND REGULATIONS PART 15 SUBPART C OCTOBER 2007 AND ANSI C63.4:2003	15.249	Pass
N/A is an abbreviation for Not Applicable.			

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description	:	Remote Control
Type of EUT	:	☑ Production ☐ Pre-product ☐ Pro-type
Model No.	:	SFD-NR-M003
Serial No.	:	E2008110403
Applicant	:	Jiaxing Shufude Electric Bed Co., Ltd. East No.07 Provincial Road, Tengyun Village, Wangjiangjing Development Area, Jiaxing, Zhejiang, China
Manufacturer	:	Jiaxing Shufude Electric Bed Co., Ltd. No.773 Furun Road, Dongshan Industrial Park, Jiaxing, Zhejiang, China
Power Supply	:	Battery Operated DC 4.5V (AAA Battery*3) The tests were performed using new batteries
Modulation	:	MSK 500kbps
Operation Frequency	:	2464.9996 MHz, 2465.9994 MHz, 2466.999 MHz, 2467.999 MHz, 2468.999 MHz, 2469.999 MHz, 2470.999 MHz, 2471.999 MHz The above frequencies can be set through the 8-dip SW on the back of the Remote Control (only No.1-3 SW, the No.4 SW has not function)
Frequency Channel	:	8 Channels
Tested Frequency	:	2464.9996 MHz (Channel 01) 2468.999 MHz (Channel 05) 2471.999 MHz (Channel 08)
Antenna Location	:	Top of the RF module Please see Figure 7 in APPENDIX III, Photographs of EUT for further information.
Antenna Type	:	Internal Permanently attached antenna

2.2 Description of Test Facility

Site Description (Semi-Anechoic Chamber)	:	Sept. 17, 1998 file on July 26, 2006 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 200233, China
FCC registration Number	:	91789
Accredited by NVLAP, Lab Code	:	200371-0

2.3 Measurement Uncertainty

Radiated Emission Expanded Uncertainty : U = 3.02dB

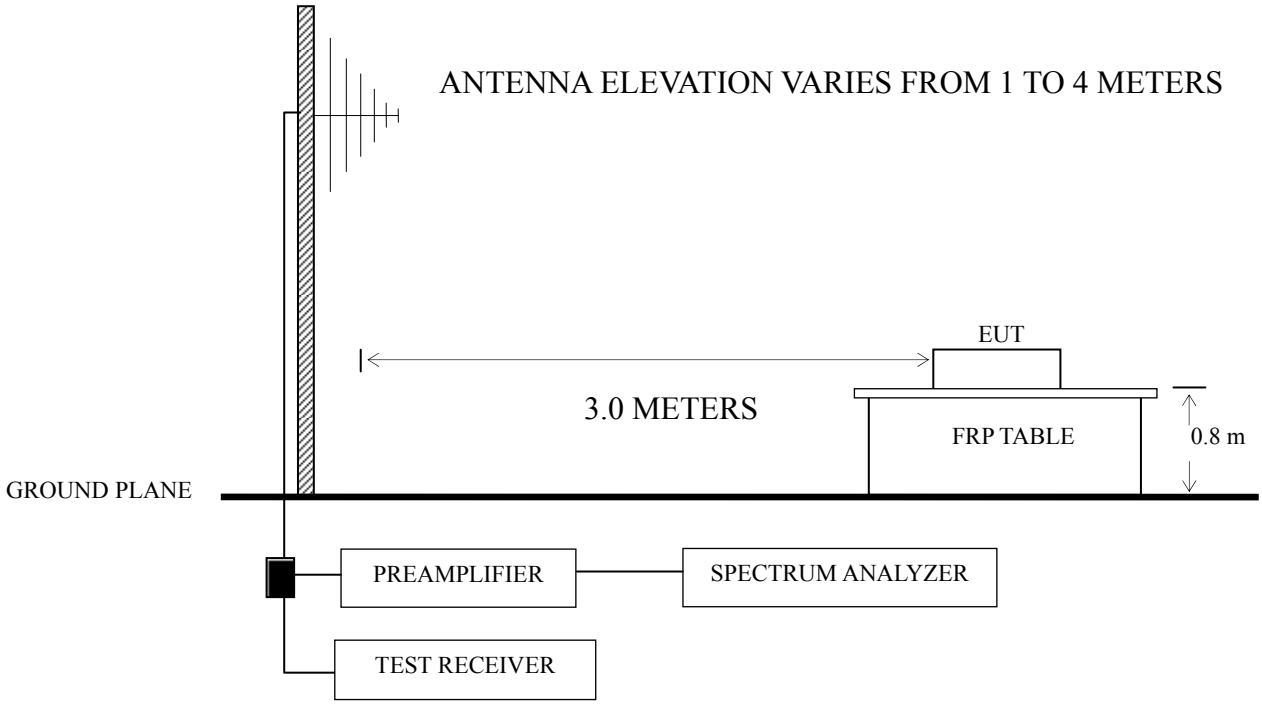
3 RADIATED EMISSION TEST

3.1 Test Equipment

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

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Preamplifier	HP	8447D	2944A06849	Sep 19, 2008	Mar 18, 2009
2.	Preamplifier	HP	8449B	3008A00864	May 19, 2008	May 19, 2009
3.	Spectrum Analyzer	Agilent	E7405A	MY45106600	May 19, 2008	May 19, 2009
4.	Test Receiver	R&S	ESVS10	832699/004	Apr 02, 2008	Apr 02, 2009
5.	Bilog Antenna	TESEQ	CBL6112D	23193	May 14, 2008	May 14, 2009
6.	Horn Antenna	EMCO	3115	9607-4878	Apr 24, 2008	Apr 24, 2009
7.	Horn Antenna	EMCO	3116	00062643	Apr 24, 2008	Apr 24, 2009
8.	50Ω Coaxial Switch	Anritsu	MP59B	6200426390	Sep 19, 2008	Mar 18, 2009
9.	Software	Audix	E3	SET00200 9912M295-2	-	-

3.2 Block Diagram of Test Setup



■ : 50 ohm Coaxial Switch

3.3 Radiated Emission Limit [FCC Part 15 Subpart C 15.209]

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.
NOTE 4 - The limits shown are based on Quasi-peak value detector below or equal to 1GHz and Average value detector above 1GHz.
NOTE 5 - Above 1 GHz, the limit on peak emission is 20 dB above the maximum permitted average emission limit applicable to the EUT

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 Turn on the power of all equipment.

3.5.3 Set the EUT on the test mode (Transmitting).

3.5.4 Configured the EUT in three axis: Lying, Side, Stand, and test separately.

3.6 Test Procedures

The EUT was placed on a FRP turntable that is 0.8 meter above ground. The FRP 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 Bilog Antenna) and horn antenna was used as receiving antenna. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarizations of the antenna were set on measurement. In order to find the maximum emission, all of the interference cables were manipulated according to ANSI C63.4:2003 requirements during radiated emission test.

The bandwidth of Test Receiver R&S ESVS10 was set at 120 kHz for frequency range from 30MHz to 1000MHz.

The bandwidth of the VBW was set at 1MHz and RBW was set at 1MHz for peak emission measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emission above 1GHz for Spectrum Agilent E7405A.

The frequency range from 30 MHz to 25 GHz (Up to 10^{th} harmonics from fundamental frequency) was checked.

The EUT was tested under the following test modes:

Mode	Operation	Channel	Fundamental Frequency
1.	Transmitting	01	2464.9996 MHz
2.		05	2468.999 MHz
3.		08	2471.999 MHz

The test mode (Transmitting) was done on radiated emission 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.

Mode	Operation	Channel	Fundamental Frequency	Data Page
1.	Transmitting	01	2464.9996 MHz	P11
2.		05	2468.999 MHz	P12
3.		08	2471.999 MHz	P13

NOTE 1 – Level = Read Level + Antenna Factor + Cable Loss (<1GHz)

NOTE 2 – Level = Read Level + Antenna Factor + Cable Loss - Preamp Factor (>1GHz)

NOTE 3 – 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

NOTE 4 – The emission levels which not reported are too low against the official limit.

NOTE 5 – The emission levels recorded below is data of EUT configured in Lying direction, for Lying direction was the maximum emission direction during the test. The data of Side & Stand direction are too low against the official limit to be reported.

NOTE 6 – All reading are Quasi-Peak values below or equal to 1GHz and Peak values above 1GHz. For measurements above 1 GHz, the peak measured value complies with the average limit, it is unnecessary to perform an average measurement.

EUT	:	Remote Control	Temperature :	23℃
Model No.	:	SFD-NR-M003	Humidity :	56%RH
Serial No.	:	E2008110403	Date of Test :	Nov 11, 2008
Test Mode	:	Transmitting Ch01 2464.9996MHz		

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	36.790	-2.07	15.8	--	0.65	16.45	14.38	40	25.62	QP
	131.850	-2.08	12.42	--	0.9	13.32	11.24	43.5	32.26	
	260.860	-1.81	13.13	--	1.33	14.46	12.65	46	33.35	
	407.330	-1.13	16.59	--	2.06	18.65	17.52	46	28.48	
	646.920	-3.85	19.44	--	2.83	22.27	18.42	46	27.58	
	868.080	-2.13	21.39	--	3.46	24.85	22.72	46	23.28	
	1852	54.7	27.21	35.92	5.23	-3.48	51.22	74	22.78	PK
	2788	45.83	29.98	34.97	6.32	1.33	47.16	74	26.84	
	3820	43.72	32.26	33.8	8.15	6.61	50.33	74	23.67	
	5716	38.42	34.13	34.58	10.29	9.84	48.26	74	25.74	
	8176	32.6	36.35	34.56	13.26	15.05	47.65	74	26.35	
	11104	32.38	38.23	34.39	16.02	19.86	52.24	74	21.76	
Vertical	30.970	-1.13	19.03	--	0.57	19.6	18.47	40	21.53	QP
	94.990	-1.9	10.45	--	0.85	11.3	9.4	43.5	34.10	
	133.790	-3.48	12.35	--	0.9	13.25	9.77	43.5	33.73	
	240.490	-2.13	12.56	--	1.24	13.8	11.67	46	34.33	
	425.760	-4.6	16.87	--	2.14	19.01	14.41	46	31.59	
	750.710	-1.51	20.23	--	3.19	23.42	21.91	46	24.09	
	1372	46.12	25.69	36.78	4.51	-6.58	39.54	74	34.46	PK
	2152	45.62	28.12	35.53	5.3	-2.11	43.51	74	30.49	
	3496	44.73	31.61	34.16	7.38	4.83	49.56	74	24.44	
	5260	38.5	33.67	34.72	10.01	8.96	47.46	74	26.54	
	7396	32.8	35.63	34.46	12.23	13.4	46.2	74	27.80	
	10444	31.13	37.26	34.84	15.2	17.62	48.75	74	25.25	

TEST ENGINEER: DIO YANG

EUT	:	Remote Control	Temperature :	23℃
Model No.	:	SFD-NR-M003	Humidity :	56%RH
Serial No.	:	E2008110403	Date of Test :	Nov 11, 2008
Test Mode	:	Transmitting Ch05 2468.999MHz		

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	31.940	-2.02	18.49	--	0.59	19.08	17.06	40	22.94	QP
	108.570	-1.11	12.17	--	0.86	13.03	11.92	43.5	31.58	
	246.310	-0.92	12.75	--	1.26	14.01	13.09	46	32.91	
	472.320	0.15	17.54	--	2.3	19.84	19.99	46	26.01	
	815.700	-0.29	20.84	--	3.36	24.2	23.91	46	22.09	
	928.220	-1.33	21.9	--	3.6	25.5	24.17	46	21.83	
	1276	45.86	25.33	37	4.33	-7.34	38.52	74	35.48	PK
	2200	45.29	28.28	35.49	5.3	-1.91	43.38	74	30.62	
	3340	45.01	31.28	34.35	7.24	4.17	49.18	74	24.82	
	5488	42.19	33.91	34.65	10.12	9.38	51.57	74	22.43	
	8488	35.71	36.77	34.86	13.83	15.74	51.45	74	22.55	
	12400	29.55	39.07	33.53	17.18	22.72	52.27	74	21.73	
Vertical	36.790	-0.31	15.8	--	0.65	16.45	16.14	40	23.86	QP
	108.570	-1.79	12.17	--	0.86	13.03	11.24	43.5	32.26	
	139.610	-1.37	12.12	--	0.91	13.03	11.66	43.5	31.84	
	362.710	1.04	15.65	--	1.87	17.52	18.56	46	27.44	
	526.640	-0.33	18.24	--	2.43	20.67	20.34	46	25.66	
	749.740	-0.45	20.2	--	3.19	23.39	22.94	46	23.06	
	1564	46.51	26.36	36.41	4.85	-5.2	41.31	74	32.69	PK
	2848	45.62	30.13	34.92	6.55	1.76	47.38	74	26.62	
	4348	43.7	32.89	34.05	9.42	8.26	51.96	74	22.04	
	6532	39.43	34.89	34.5	11.35	11.74	51.17	74	22.83	
	9316	35.67	37.08	35.27	14.12	15.93	51.6	74	22.40	
	11788	32.83	37.74	34.32	16.4	19.82	52.65	74	21.35	

TEST ENGINEER: DIO YANG

EUT	:	Remote Control	Temperature :	23℃
Model No.	:	SFD-NR-M003	Humidity :	56%RH
Serial No.	:	E2008110403	Date of Test :	Nov 11, 2008
Test Mode	:	Transmitting Ch08 2471.999MHz		

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	43.580	-2.65	11.88	--	0.72	12.6	9.95	40	30.05	QP
	100.810	-1.46	11.57	--	0.85	12.42	10.96	43.5	32.54	
	227.880	0.05	12.02	--	1.19	13.21	13.26	46	32.74	
	369.500	0.18	15.84	--	1.91	17.75	17.93	46	28.07	
	682.810	-0.73	19.62	--	2.99	22.61	21.88	46	24.12	
	955.380	-0.76	22.11	--	3.68	25.79	25.03	46	20.97	
	1144	46.08	24.79	37.31	4.1	-8.42	37.66	74	36.34	PK
	1636	46.59	26.58	36.28	4.99	-4.71	41.88	74	32.12	
	3004	45.6	30.52	34.8	7.03	2.75	48.35	74	25.65	
	5068	42.63	33.48	34.78	9.93	8.63	51.26	74	22.74	
	8248	37.19	36.45	34.63	13.38	15.2	52.39	74	21.61	
	12400	28.31	39.07	33.53	17.18	22.72	51.03	74	22.97	
Vertical	36.790	-1.36	15.8	--	0.65	16.45	15.09	40	24.91	QP
	107.600	-0.98	12.1	--	0.86	12.96	11.98	43.5	31.52	
	245.340	-0.52	12.72	--	1.25	13.97	13.45	46	32.55	
	362.710	2.84	15.65	--	1.87	17.52	20.36	46	25.64	
	526.640	0.38	18.24	--	2.43	20.67	21.05	46	24.95	
	851.590	4.16	21.24	--	3.42	24.66	28.82	46	17.18	
	1360	45.4	25.65	36.81	4.48	-6.68	38.72	74	35.28	PK
	3004	45.03	30.52	34.8	7.03	2.75	47.78	74	26.22	
	4420	42.35	32.95	34.14	9.56	8.37	50.72	74	23.28	
	6808	37.49	35.15	34.5	11.53	12.18	49.67	74	24.33	
	10504	33.68	37.38	34.79	15.22	17.81	51.49	74	22.51	
	12424	28.25	39.2	33.46	17.21	22.95	51.2	74	22.80	

TEST ENGINEER: DIO YANG

4 FUNDAMENTAL AND HARMONICS EMISSIONS TEST

4.1 Test Equipment

The following test equipments 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	8449B	3008A00864	May 19, 2008	May 19, 2009
2.	Spectrum Analyzer	Agilent	E7405A	MY45106600	May 19, 2008	May 19, 2009
3.	Horn Antenna	EMCO	3115	9607-4878	Apr 24, 2008	Apr 24, 2009
4.	Horn Antenna	EMCO	3116	00062643	Apr 24, 2008	Apr 24, 2009

4.2 Block Diagram of Test Setup

Same as Sec 3.2

4.3 Fundamental and Harmonics Emission Limit [FCC Part 15 Subpart C 15.249(a)]

Fundamental Frequency (MHz)	Distance (m)	Field Strength of Fundamental		Field Strength of Harmonics	
		(millivolts/meter)	dB (μV/m)	(microvolts/meter)	dB (μV/m)
2400 ~ 2483.5	3	50	94	500	54

NOTE 1 - Emission Level dB (μV/m) = 20 lg Emission Level (μV/m)
NOTE 2 - 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 3 - The limits shown are based on Average value detector.
NOTE 4 - The limit on peak emission is 20 dB above the maximum permitted average emission limit applicable to the EUT

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 Turn on the power of all equipment.

4.5.3 Set the EUT on the test mode (Transmitting).

4.5.4 Configured the EUT in three axis: Lying, Side, Stand, and test separately.

4.6 Test Procedures

The EUT was placed on a FRP turntable 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. 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 harmonics emission test.

The bandwidth of the VBW was set at 1MHz and RBW was set at 1MHz for peak emission measurement and 1MHz RBW, 10Hz VBW for average emission measurement.

The frequency range from 2.4 GHz to 25 GHz (Up to 10^{th} harmonics from fundamental frequency) was checked.

The EUT was tested under the following test modes:

Mode	Operation	Channel	Fundamental Frequency
1.	Transmitting	01	2464.9996 MHz
2.		05	2468.999 MHz
3.		08	2471.999 MHz

The test mode (Transmitting) was done on Fundamental and Harmonics Emission test.

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.

Mode	Operation	Channel	Fundamental Frequency	Data Page
1.	Transmitting	01	2464.9996 MHz	P17
2.		05	2468.999 MHz	P18
3.		08	2471.999 MHz	P19

NOTE 1 - All readings are Peak values.
NOTE 2 - The peak measured value complies with the average limit, it is unnecessary to perform an average measurement.
NOTE 3 - The emission levels recorded below is data of EUT configured in Lying direction, for Lying direction was the maximum emission direction during the test. The data of Side & Stand direction are too low against the official limit to be reported.
NOTE 4 - The harmonics emission levels which not reported are too low against the official limit.
NOTE 5 - Level = Read Level + Factor – Correction Factor.
NOTE 6 - Correction factor is measured as follows:

Duty Cycle x = Tx on / (Tx on + Tx off) = 7.199 / 8.903 = 0.8
Correction Factor = |20log(Duty Cycle)| = 1.94

NOTE 7 – The worst-case duty cycle was calculated in pressing “ALLOFF” button.
(See Appendix I)

EUT	:	Remote Control	Temperature :	22℃
Model No.	:	SFD-NR-M003	Humidity :	57% RH
Serial No.	:	E2008110403	Date of Test :	Nov 15, 2008
Test Mode		Transmitting Ch01 2464.9996 MHz		

Polarization	Frequency (MHz)	Read Level dB (μV)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	2465	81.43	-0.85	1.94	78.64	94	15.36	PK
	4930	37.22	8.52	1.94	43.8	54	10.2	
	7395	34.52	13.40	1.94	45.98	54	8.02	
	9860	31.65	16.20	1.94	45.91	54	8.09	
Vertical	2465	72.28	-0.85	1.94	69.49	94	24.51	PK
	4930	39.84	8.52	1.94	46.42	54	7.58	
	7395	34.54	13.4	1.94	46.00	54	8.00	
	9860	32.05	16.2	1.94	46.31	54	7.69	

TEST ENGINEER: DIO YANG

EUT	:	Remote Control	Temperature :	22℃
Model No.	:	SFD-NR-M003	Humidity :	57% RH
Serial No.	:	E2008110403	Date of Test :	Nov 15, 2008
Test Mode		Transmitting Ch05 2468.999 MHz		

Polarization	Frequency (MHz)	Read Level dB (μV)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	2469	80.85	-0.73	1.94	78.18	94	15.82	PK
	4938	37.36	8.51	1.94	43.93	54	10.07	
	7407	34.43	13.45	1.94	45.94	54	8.06	
	9876	32.26	16.23	1.94	46.55	54	7.45	
Vertical	2469	80.08	-0.73	1.94	77.41	94	16.59	PK
	4938	39.37	8.51	1.94	45.94	54	8.06	
	7407	33.81	13.45	1.94	45.32	54	8.68	
	9876	32.16	16.23	1.94	46.45	54	7.55	

TEST ENGINEER: DIO YANG

EUT	:	Remote Control	Temperature :	22℃
Model No.	:	SFD-NR-M003	Humidity :	57% RH
Serial No.	:	E2008110403	Date of Test :	Nov 15, 2008
Test Mode		Transmitting Ch08 2471.999MHz		

Polarization	Frequency (MHz)	Read Level dB (μV)	Factor (dB/m)	Correction factor (dB)	Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
Horizontal	2472	78.21	-0.63	1.94	75.64	94	18.36	PK
	4944	37.65	8.52	1.94	44.23	54	9.77	
	7416	33.13	13.45	1.94	44.64	54	9.36	
	9888	31.73	16.22	1.94	46.01	54	7.99	
Vertical	2472	81.51	-0.63	1.94	78.94	94	15.06	PK
	4944	38.43	8.52	1.94	45.01	54	8.99	
	7416	32.64	13.45	1.94	44.15	54	9.85	
	9888	30.11	16.22	1.94	44.39	54	9.61	

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	May 19, 2008	May 19,2009
2.	Horn Antenna	EMCO	3115	9607-4878	Apr 24, 2008	Apr 24, 2009
3.	Preamplifier	HP	8449B	3008A00864	May 19, 2008	May 19,2009
4.	Software	Audix	E3	SET00200 9912M295-2	--	--

5.2 Bandwidth Limit [FCC Part 15 Subpart C 15.215(c)]

Bandwidth is determined at the point 20dB down from the modulated carrier.

The 20dB bandwidth of the emission shall be contained within the frequency band designated in the rule section under which the equipment is operated.

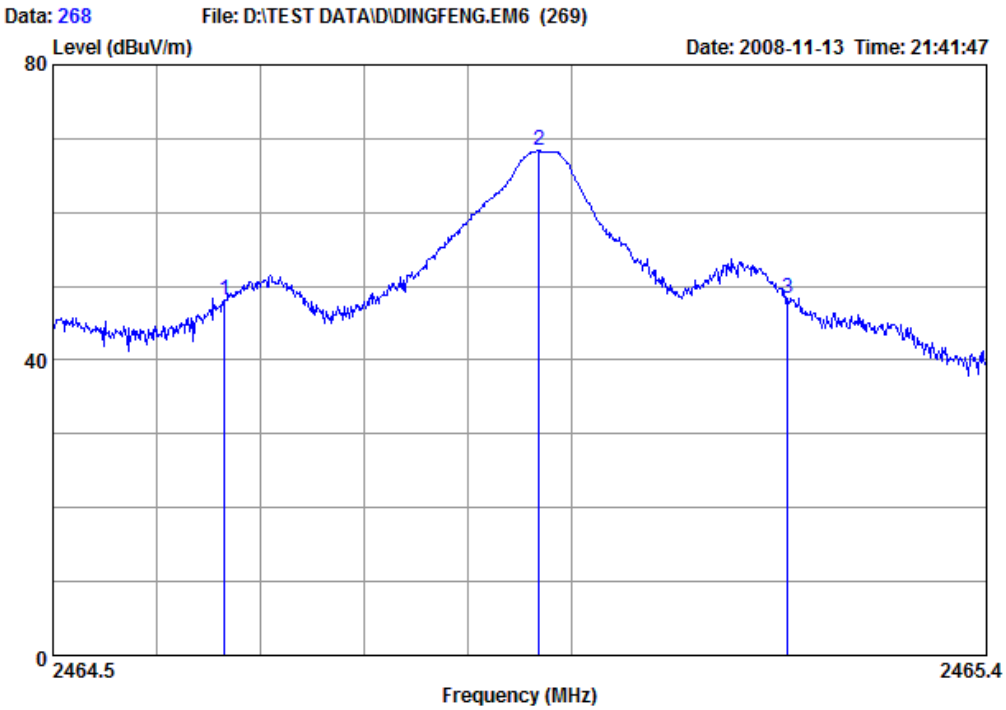
5.3 Test Results

<PASS>

All the test results are attached in next pages.

Channel	Fundamental Frequency	Pages
01	2464.9996 MHz	P21
05	2468.999 MHz	P22
08	2471.999 MHz	P23

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,
CaoHeJing Hi-Tech Park,
Shanghai 200233, China
Tel:+86-21-64955500 Fax:+86-21-64955491
audixaci@audix.com



Site no : Audix ACI (3m Chamber)
Env. / Ins. : 23'C 57% / E7405A
EUT : Remote Control
M/N : SFD-NR-M003
S/N : E2008110403
Power Rating: DC 4.5V
Test Mode : 2465MHz

Data no. : 268
Engineer : Dio

	Freq. (MHz)	Reading (dBuV)	Emission Level (dBuV/m)
1	2464.666	48.22	48.22
2	2464.969	68.36	68.36
3	2465.208	48.34	48.34

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,
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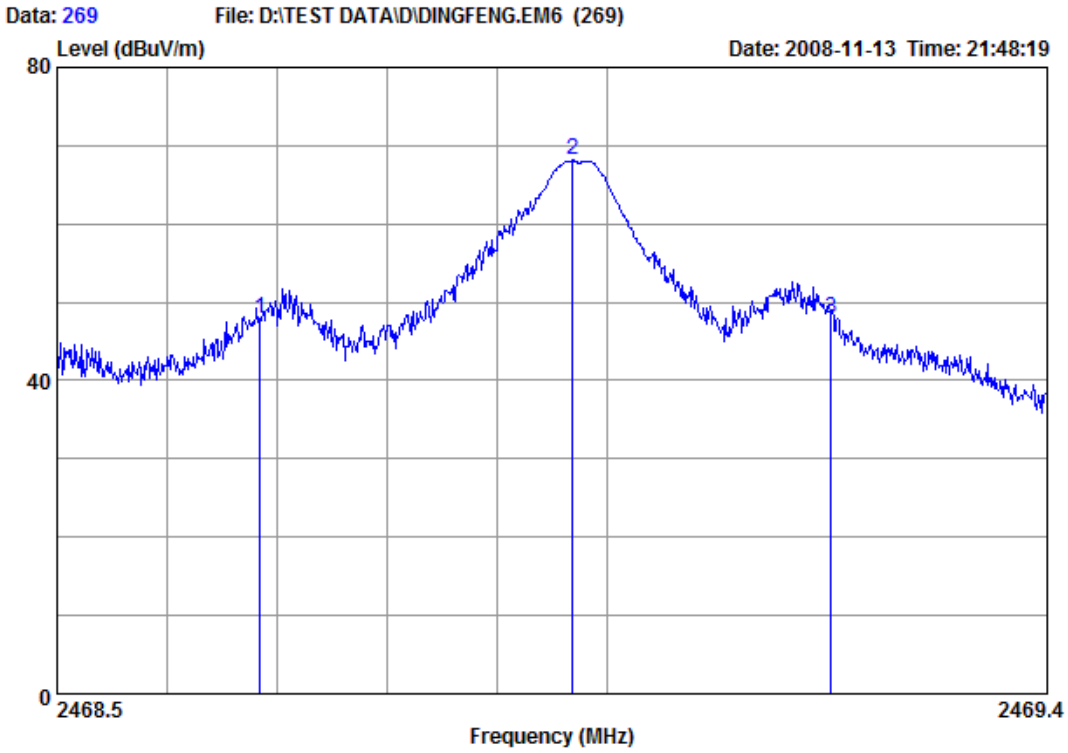
audixaci@audix.com



Site no : Audix ACI (3m Chamber)
Env. / Ins. : 23'C 57% / E7405A
EUT : Remote Control
M/N : SFD-NR-M003
S/N : E2008110403
Power Rating: DC 4.5V
Test Mode : 2469MHz

Data no. : 269
Engineer : Dio

	Freq. (MHz)	Reading (dBuV)	Emission Level (dBuV/m)
1	2468.685	47.82	47.82
2	2468.969	68.09	68.09
3	2469.204	47.92	47.92

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,
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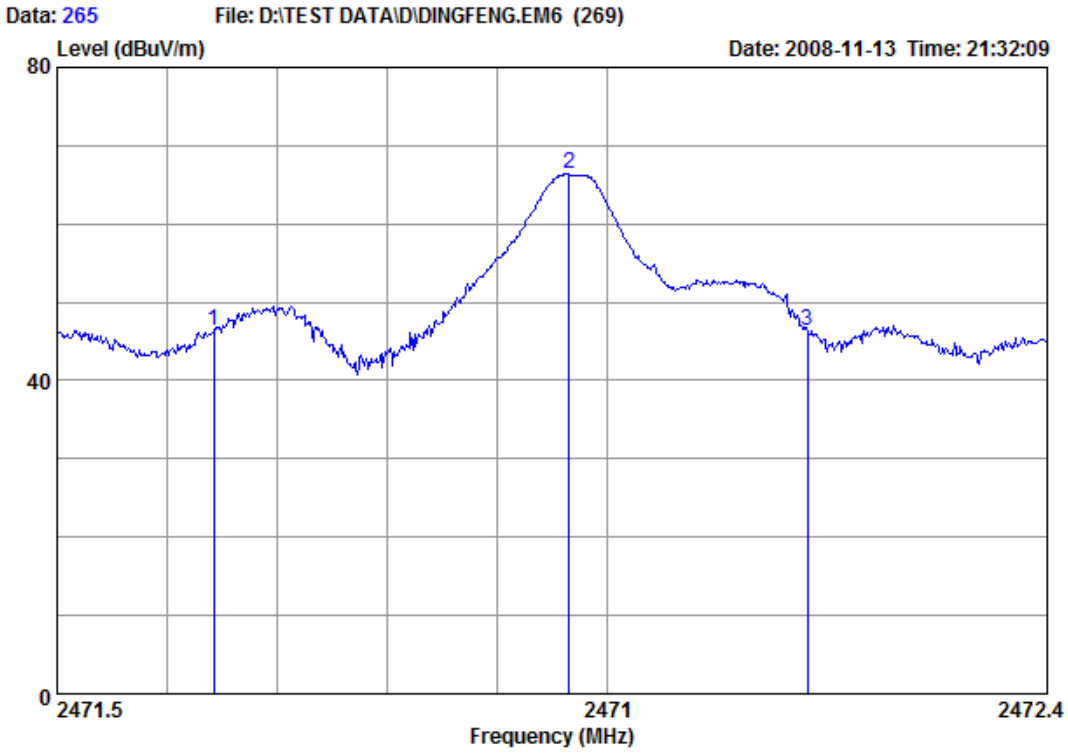
Tel:+86-21-64955500 Fax:+86-21-64955491
audixaci@audix.com



Site no : Audix ACI (3m Chamber)
Env. / Ins. : 23'C 57% / E7405A
EUT : Remote Control
M/N : SFD-NR-M003
S/N : E2008110403
Power Rating: DC 4.5V
Test Mode : 2472MHz

Data no. : 265
Engineer : Dio

	Freq. (MHz)	Reading (dBuV)	Emission Level (dBuV/m)
1	2471.642	46.31	46.31
2	2471.965	66.35	66.35
3	2472.182	46.42	46.42

6 BAND-EDGE MEASUREMENT

6.1 Test Equipment

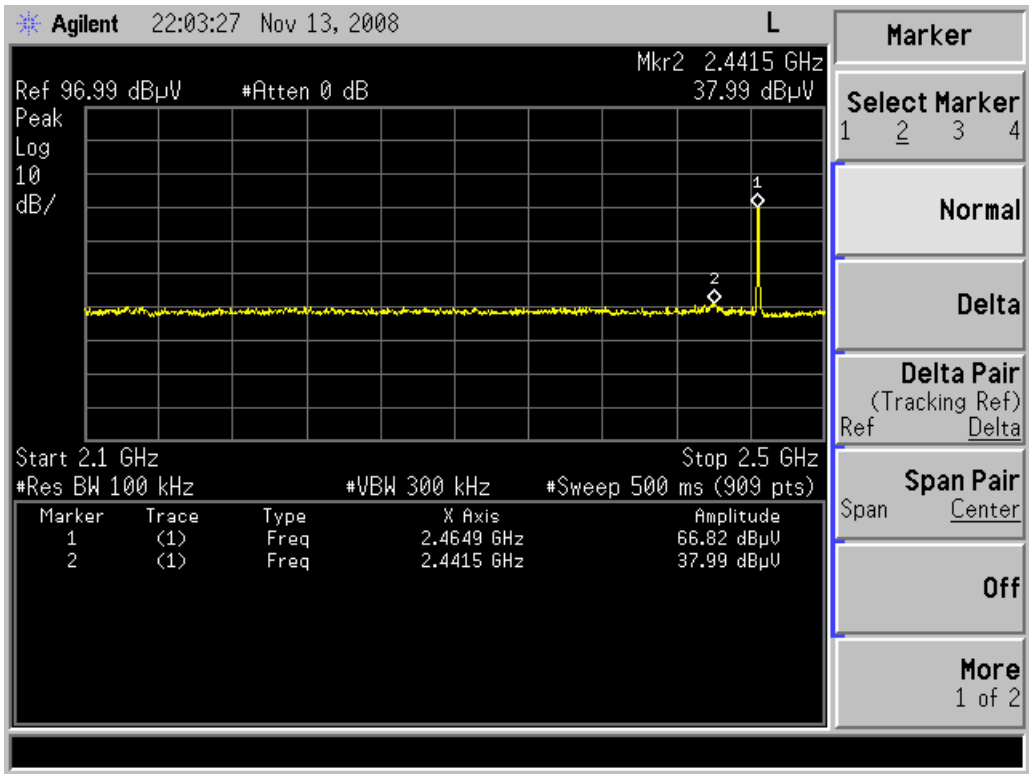
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E7405A	MY45106600	May 19, 2008	May 19,2009
2.	Horn Antenna	EMCO	3115	9607-4878	Apr 24, 2008	Apr 24, 2009
3.	Preamplifier	HP	8449B	3008A00864	May 19, 2008	May 19,2009

6.2 Test Results

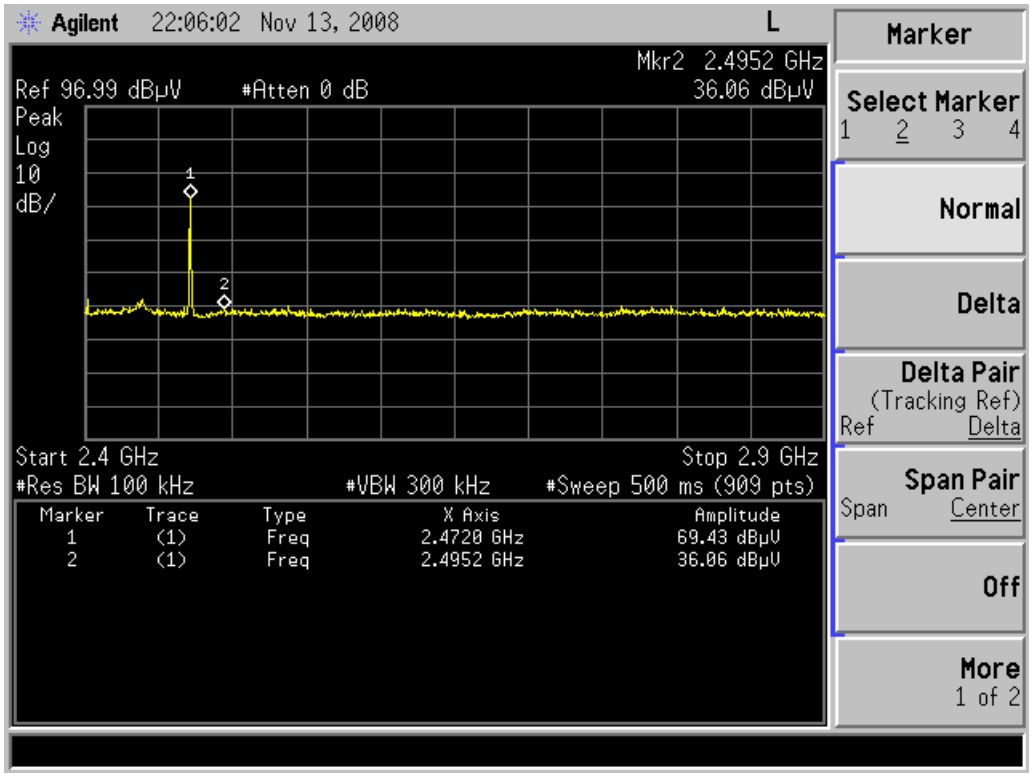
<PASS>

All the test results are attached in next pages.

Channel	Fundamental Frequency	Pages
01	2464.9996 MHz	P25
08	2471.999 MHz	P26



CH01 2464.9996MHz



CH08 2471.999MHz

7 DEVIATION TO TEST SPECIFICATIONS

None.