

1250 Peterson Dr., Wheeling, IL 60090

FCC Rules and Regulations / Intentional Radiators

Operational in the 902-928 MHz, 2400-2483.5 MHz, 5725-5875 MHz, and 24.0-24.25 GHz Bands

Part 15, Subpart C, Section 15.249

THE FOLLOWING "MEETS" THE ABOVE TEST SPECIFICATION

Formal Name: iFi Remote Kind of Equipment: **RF** Remote Control Test Configuration: Stand alone operation (Tested at 3 vdc) iFi Model Number(s): Model(s) Tested: iFi Serial Number(s): **Pre-production Sample** March 2, 2005 Date of Tests: Test Conducted For: Klipsch Audio Technologies 3502 Woodview Trace. Suite 200 Indianapolis, Indiana 46268

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Company:KModel Tested:iFReport Number:11

Klipsch Audio Technologies iFi 11252

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SIGNATURE PAGE

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Company: Model Tested: Report Number: Klipsch Audio Technologies iFi 11252





ETIC COMPATIBILITY IUNICATIONS	Page: 1 of NVLAP LAB CODE 100276
IUNICATIONS	
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signation / Description	
ods:	
CA/DO-160D (1997): Environmenta borne Equipment - Section 21 - Emi	al Conditions and Test Procedures for ssion of Radio Frequency Energy
300 220-1 V1.3.1 (2000-09): Electro tters; Short Range Devices; Radio ec Iz frequency range with power levels racteristics and test methods	omagnetic compatibility and Radio spectru quipment to be used in the 25 MHz to 1000 s ranging up to 500 mW; Part 1: Technical
300 386 V.1.2.1: Electromagnetic c M); Telecommunication network ec (C) requirements	ompatibility and radio spectrum matter quipment; Electromagnetic compatibility
SI C63.17-1998: American National	I Standard for Methods of Measurement of
	Wheeling, IL 600 Mr. Brian J. Ma Phone: 847-537-6400 Fa E-Mail: bmattson@d URL: http://www.d signation / Description nods: CA/DO-160D (1997): Environmenta borne Equipment - Section 21 - Emi 300 220-1 V1.3.1 (2000-09): Electr tters; Short Range Devices; Radio ed Iz frequency range with power levels racteristics and test methods 300 386 V.1.2.1: Electromagnetic c CM); Telecommunication network ed IC) requirements



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Model Tested: Report Number: Klipsch Audio Technologies iFi 11252









of Standards and ISO/IEC 17025:19 ISO 9002:1994	⁹⁹ Scope of A	Accredita	ation	Suprovent OF COMPANY
ELECTROM	AGNETIC COMPATIBILITY	Z	NVLAP LAB C	Page: 12 of 12 ODE 100276-0
AND TELECO	DMMUNICATIONS D.L.S. ELECTR	RONIC SYSTEM	S. INC.	
NVLAP Code	Designation / Description		.,	
MIL-STD-462 :	Radiated Emissions:			
12/D04	MIL-STD-462 Version D Met	hod RE101		ίφ.
12/D05	MIL-STD-462 Version D Met	hod RE102		
12/D06	MIL-STD-462 Version D Met	hod RE103		
MIL-STD-462 :	Radiated Susceptibility:			
12/E08	MIL-STD-462 Version D Met	hod RS101		
12/E09	MIL-STD-462 Version D Met	hod RS103		
S	September 30, 2005	Man	P. M. D	



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Company:Klipsch AModel Tested:iFiReport Number:11252

Klipsch Audio Technologies iFi 11252

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1.0 SUMMARY OF TEST REPORT

It was found that the iFi Remote, Model Number(s) iFi, "<u>meets</u>" the radio interference radiated emission requirements of the FCC "Rules and Regulations", Part 15, Subpart C, Section 15.249 for operational in the 902-928 MHz, 2400-2483.5 MHz, 5725-5875 MHz, and 24.0-24.25 GHz Bands. The <u>conducted</u> emissions test was not required because the iFi Remote is powered from a D.C. power source. It does not have a line cord to plug into the A.C. power line.

This test report relates only to the items tested and contains the following number of pages.

Text: 50

2.0 INTRODUCTION

On March 2, 2005, a series of radio frequency interference measurements was performed on iFi Remote, Model Number(s) iFi, Serial Number: Pre-production Sample. The tests were performed according to the procedures of the FCC as stated in the "Methods of Measurement of Radio-Noise Emissions for Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz" found in the American National Standards Institute, ANSI C63.4-2003. Tests were performed by personnel of D.L.S. Electronic Systems, Inc. who are responsible to Donald L. Sweeney, Senior EMC Engineer.

3.0 OBJECT

The purpose of this series of tests was to determine if the test sample could meet the radio frequency interference emission requirements of the FCC "Rules and Regulations", Part 15, Subpart C, Sections 15.35(b), 15.37(d), 15.209 & 15.249 for Intentional Radiators operating in the Bands 902-928 MHz, 2400-2483.5 MHz, 5725-5875 MHz, and 24-24.25 GHz.



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4.0 TEST SET-UP

All emission tests were performed at D.L.S. Electronic Systems, Inc. and set up according to the American National Standards Institute, ANSI C63.4-2003, Section 8, (Figures 11a and 11b). The conducted tests were performed with the test item placed on a non-conductive table (table top equipment), located in the test room. Equipment normally operated on the floor was tested by placing it on the metal ground plane. The ground plane has an electrical isolation layer over its surface approximately 7mm thick. The power line supplied was connected to a dual line impedance stabilization network electrically bonded to the ground plane, located on the floor. The networks were constructed per the requirements of the American National Standards Institute, ANSI C63.4-2003, Section 4, (Figure 2).

All radiated emissions tests were performed with the test item placed on a 80 cm high rotating non-conductive table, located in the test room. Equipment normally operated on the floor was placed on a metal covered turntable which is flush with the surrounding conducting ground plane. The ground plane has an electrical isolation layer over its surface approximately 7 mm thick. The EUT is separated from the turntable ground plane by a non-conductive layer. The equipment under test was set up according to ANSI C63.4-2003, Sections 6 and 8.



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5.0 TEST EQUIPMENT (Bandwidths and Detector Function)

All preliminary data below 1000 MHz was automatically plotted using the HP Spectrum Analyzer or ESI 26/40 Fixed Tuned Receiver. The data was taken using Peak, Quasi-Peak or the Average Detector Functions as required. This information was then used to determine the frequencies of maximum emissions. Above 1000 MHz, final data was taken using the Average Detector.

Below 1000 MHz, final data was taken using the HP Spectrum Analyzer and/or ESI 26/40 Fixed Tuned Receiver. These plots were made using the Peak or Quasi-Peak Detector functions, with manual measurements performed on the questionable frequencies using the Quasi-Peak or the Average Detector Function of the Analyzer or ESI 26/40 Fixed Tuned Receiver as required. Above 1000 MHz, final data was taken using the Average Detector on the Spectrum Analyzer.

The bandwidths shown below are specified by ANSI C63.4-2003, Section 4.2.

Frequency Range	Bandwidth (-6 dB)
10 to 150 kHz	200 Hz
150 kHz to 30 MHz	9 kHz
30 MHz to 1 GHz	120 kHz
Above 1 GHz	1 MHz

A list of the equipment used can be found in Table 1. All primary equipment was calibrated against known reference standards with a verified traceable path to NIST.



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6.0 AMBIENT MEASUREMENTS

For emissions measurements, broadband antennas and an EMI Test Receiver with a panoramic spectrum display are used. First the frequency range is scanned and displayed on the test receiver display. Next the scanned frequency range is divided into smaller ranges, and then it is manually tuned through to determine the emissions from the EUT. A headset or loudspeaker is connected to the test receiver's AM/FM demodulated output as an aid in detecting ambient signals and finding frequencies of significant emission from the EUT. If there is any doubt as to the source of the emission, it is further investigated by rotating the EUT, or by disconnecting the power from the EUT.

The EUT is set up in its typical configuration and operated in its various modes. For tabletop systems, cables are manipulated within the range of likely configurations. For floor-standing equipment, the cables are located in the same manner as the user would install them and no further manipulation is made. If the manner of cable installation is not known, or if it changes with each installation, cables or wires for floor-standing equipment shall be manipulated to the extent possible to produce the maximum level of emissions. For each mode of operation, the frequency spectrum is monitored. Variations in antenna height, antenna polarization, EUT azimuth, and cable or wire placement (each variable within bounds specified elsewhere) are explored to produce the emissions that have the highest amplitude relative to the limit. These methods are performed to the specifications in ANSI C63.4: 2003.



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7.0 DESCRIPTION OF TEST SAMPLE: (See also Paragraph 8.0)

7.1 Description:

The iFi remote keyfob is a simple PLL based FM modulated keyfob-style transmitter with an internal, integrated patch antenna. The remote keyfob receives its power from a small 3v Lithium button cell battery and is normally in sleep mode until the user presses one of 5 buttons. The Transmitter uses a 14.3203Mhz crystal to set a final carrier frequency of 916.7Mhz. The overall FM deviation is set to 260Khz, with "0" data corresponding to 916.572Mhz, and "1" data corresponding to 916.831Mhz.

7.2 PHYSICAL DIMENSIONS OF EQUIPMENT UNDER TEST

Length: 3" x Width: 1.5" x Height: 0.5":

7.3 LINE FILTER USED:

NA

7.4 INTERNAL CLOCK FREQUENCIES:

Switching Power Supply Frequencies:

NA

Clock Frequencies:

14.3203 MHz &

7.5 DESCRIPTION OF ALL CIRCUIT BOARDS:

1. Remote PCB PN: ifi_rmt(a)



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- 8.0 ADDITIONAL DESCRIPTION OF TEST SAMPLE: (See also Paragraph 7.0)
- 1: There were no additional descriptions noted at the time of test.

NOTE:

Three orientations were tested during testing.

I certify that the above, as described in paragraph 7.0, describes the equipment tested and will be manufactured as stated.

By:				
5	Signature	Title		
For:				
	Company	Date		



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9.0 PHOTO INFORMATION AND TEST SET-UP

Item 0 iFi Remote Model Number: iFi, Serial Number: NA



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11.0 RESULTS OF TESTS

The radio interference emission charts results can be seen on the pages at the end of this report. Data sheets indicating the test measurements taken during testing can also be found at the end of this report. Points on the emission charts shown with a yellow mark are background frequencies that were verified during testing.

12.0 CONCLUSION

It was found that the iFi Remote, Model Number(s) iFi "<u>meets</u>" the radio interference radiated emission requirements of the FCC "Rules and Regulations", Part 15, Subpart C, Section 15.249 for operational in the 902-928 MHz, 2400-2483.5 MHz, 5725-5875 MHz, and 24.0-24.25 GHz Bands.The <u>conducted</u> emissions test was not required because the iFi Remote is powered from a D.C. power source. It does not have a line cord to plug into the A.C. power line.



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TABLE 1 – EQUIPMENT LIST

Test		Model	Serial	Frequency	Cal Due
Equipment	Manufacturer	Number	Number	Range	Dates
Spectrum	Hewlett/	8566B	2240A002041	100 Hz – 22 GHz	10/05
Analyzer	Packard				
Quasi-Peak	Hewlett/	85650A	2043A00121	10 kHz – 1 GHz	10/05
Adapter	Packard				
Spectrum	Hewlett/	8566B	2421A00452	100 Hz – 22 GHz	2/06
Analyzer	Packard				
Quasi-Peak	Hewlett/	85650A	2043A00450	10 kHz – 1 GHz	2/06
Adapter	Packard				
Spectrum	Hewlett/	8591A	3009A00700	9 kHz – 1.8 GHz	3/05
Analyzer	Packard				
Receiver	Electrometrics	EMC-30	44168	10 kHz – 1 GHz	9/05
Receiver	Rohde &	ESI 26	837491/010	20 Hz – 26 GHz	11/05
	Schwarz				
Receiver	Rohde &	ESI 40	837808/006	20 Hz – 40 GHz	12/05
	Schwarz				
Receiver	Rohde &	ESI 40	837808/005	20 Hz – 40 GHz	12/05
	Schwarz				
Antenna	EMCO	3104C	00054891	20 MHz – 200 MHz	2/06
Antenna	Electrometrics	LPA-25	1114	200 MHz – 1 GHz	3/05
Antenna	EMCO	3104C	00054892	20 MHz – 200 MHz	3/05

All primary equipment is calibrated against known reference standards with a verified traceable path to NIST.



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TABLE 1 – EQUIPMENT LIST

Test		Model	Serial	Frequency	Cal Due
Equipment	Manufacturer	Number	Number	Range	Dates
Antenna	Electrometrics	3146	1205	200 MHz – 1 GHz	3/05
Antenna	ЕМСО	3104C	97014785	20 MHz – 200 MHz	2/06
Antenna	EMCO	3146	97024895	200 MHz – 1 GHz	3/05
Antenna	ЕМСО	3115	2479	1 GHz – 18 GHz	8/05
Antenna	ЕМСО	3115	99035731	1 GHz – 18 GHz	4/05
Antenna	Rohde & Schwarz	HUF-Z1	829381001	20 MHz – 1 GHz	2/06
Antenna	Rohde & Schwarz	HUF-Z1	829381005	20 MHz – 1 GHz	8/05
LISN	Solar	8012-50-R- 24-BNC	8305116	10 MHz – 30 MHz	8/05
LISN	Solar	8012-50-R- 24-BNC	814548	10 MHz – 30 MHz	8/05
LISN	Solar	9252-50-R- 24-BNC	961019	10 MHz – 30 MHz	12/05
LISN	Solar	9252-50-R- 24-BNC	971612	10 MHz – 30 MHz	10/05
LISN	Solar	9252-50-R- 24-BNC	92710620	10 MHz – 30 MHz	7/05

All primary equipment is calibrated against known reference standards with a verified traceable path to NIST.



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APPENDIX A

TEST PROCEDURE

Part 15, Subpart C, Section 15.249a-e

OPERATION WITHIN THE BANDS 902-928 MHz, 2400-2483.5 MHz, 5725-5875 MHz, and 24.0-24.25 GHz MHz



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APPENDIX A

1.0 CONDUCTED EMISSION MEASUREMENTS

Conducted emissions were measured over the frequency range from 150 kHz to 30 MHz in accordance with the power line measurements as specified in FCC Part 15, Subpart C, Section 15.207 & ANSI C63.4-2000. Since the device is operated from the public utility lines, the 120 Vac, 60 Hz power leads, high (hot) and low (neutral) sides, were measured by connecting the measuring equipment to the appropriate meter terminal of the LISN. During the test, the cables were placed and items moved (when appropriate) to maximize emissions. All signals were then recorded. The allowed levels for Intentional Radiators which is designed to connected to the public utility (AC) power line shall not exceed 250 uV (47.96 dBuV) from 150 kHz to 30 MHz

NOTE:

The <u>conducted</u> emissions test was not required because the iFi Remote is powered from a D.C. power source. It does not have a line cord to plug into the A.C. power line.



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APPENDIX A

CONDUCTED <u>DATA</u> AND GRAPH(S) TAKEN DURING TESTING

PART 15.207

NOTE:

The <u>conducted</u> emissions test was not required because the iFi Remote is powered from a D.C. power source. It does not have a line cord to plug into the A.C. power line.



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APPENDIX A

2.0 BAND EDGE AND RESTRICT BAND COMPLIANCE

The field strength of any emissions appearing outside the 902 to 928 MHz band shall not exceed the general radiated emissions limits as stated Section 15.209. The fundamental from the iFi Remote transmitter shall not be inside the restrict band 960 to 1240 MHz.

NOTE:

See the radiated data taken of the Fundamental and Spurious Emissions on pages 37 to 50.



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APPENDIX A

3.0 FIELD STRENGTH OF SPURIOUS EMISSION MEASUREMENTS (SECTION 15.249a-d)

The radiated measurements made at D.L.S. Electronic Systems, Inc., for the iFi Remote, Model Number: iFi, are shown in tabulated and graph form. Preliminary radiation measurements were performed at a 3 meter test distance with the limits adjusted linearly when required. The frequency range from 30 MHz to over 960 MHz, depending upon the fundamental frequency as stated in Part 15.33a, was automatically scanned and plotted at various angles.

Measurements for the iFi Remote were made up to 10000 MHz, in accordance with Section 15.33a for Intentional Radiators with a fundamental frequency of 914.831 MHz. For intentional radiators, the frequency range to be investigated is determined by the lowest radio frequency generated by the device without going below 30 MHz, up to at least the tenth harmonic of the highest fundamental frequency or 10 GHz, whichever is lower. At those frequencies where significant signals were detected, measurements were made over the entire frequency range specified in FCC Part 15, Subpart C, Section 15.249 at the open field test site, located at Genoa City, Wisconsin, FCC file number **31040/SIT**. When required, levels were extrapolated from 10 meters to 3 meters using a linear extrapolation.

All signals in the frequency range of 30 MHz to 2000 MHz were measured with a Biconical Antenna or tuned dipoles and from 200 MHz to 1000 MHz, a Log Periodic or Tuned Dipoles were used. From 1000 MHz to 10 GHz Horn Antennas were used. During the test the equipment was rotated and the antenna was raised and lowered from 1 meter to 4 meters to find the maximum level of emissions. In order to find maximum emissions, the cables were moved through all the positions the equipment would be expected to experience in the field. The EUT, peripheral equipment and cables were configured to meet the conditions in ANSI C63.4-2000, Clauses 6 & 8. Tests were made with the receive antenna(s) in both the horizontal and vertical planes of polarization. In each case, the table was rotated to find the maximum emissions.



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APPENDIX A

3.0 FIELD STRENGTH OF SPURIOUS EMISSION MEASUREMENTS (CON'T)

For operation in the bands 902 to 928 MHz, 2400 to 2483.5 MHz, 5725 to 5875 MHz, and 24.0 to 24.25 GHz the field strength of any emissions within this band shall not exceed the field strength levels specified in the following table as stated in FCC, Part 15, Section 15.249(a).

Frequency	Field Strength of	Field Strength of	Field Strength of	Field Strength of
range in	Fundamental	Fundamental	Harmonics	Harmonics
MHz	millivolts/meter	dBuV/meter	microvolts/meter	dBuV/meter
902 to 928	50	93.98	500	53.98
2400 to 2483.5	50	93.98	500	53.98
5725 to 5875	50	93.98	500	53.98
24000 to 24250	250	107.96	2500	67.96

Field strength limits are at a distance of 3 meters. The emission limits shown are based on measurement instrumentation employing an average detector.

Emissions radiated outside of the specified frequency bands, except for harmonics are attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

Preliminary radiated emission measurements were performed at a 3 meter test distance. The frequency range from 30 MHz to 1000 MHz was automatically scanned and plotted at various angles.

NOTE:

All radiated emissions measurements were made at a test room temperature of **68°F** at **26%** relative humidity.



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APPENDIX A

RADIATED DATA AND GRAPH(S) TAKEN FOR

FUNDAMENTAL EMISSION MEASUREMENTS

PART 15.249

FCC Part 15 Class B

Electric Field Strength

EUT: ifi keyfob remote Manufacturer: Klipsch Operating Condition: 68 deg. F; 26% R.H. Test Site: DLS OF Site 3 Operator: Craig Brandt Test Specification: Comment: Date: 03-02-2005

TEXT: "Site 3 MidV 3M"

Short Description: Test Set-up Vert30-1000MHz TEST EQUIPMENT: Receiver --- Rohde&Schwarz ESI 26 SN: 837491/010 Antennas ---Biconical -- EMCO 3104C SN: 9701-4785 Log Periodic -- EMCO 3146 SN: 9702-4895

Pre-Amp --- Rohde&Schwarz TS-PR10 SN: 032001/005

TEST SET-UP: EuT Measured at 3 Meters with VERTICAL Antenna Polarisation



MEASUREMENT RESULT: "Akl04_4v_Final"

3/3/2005	8:43A	М									
Freque	ncy	Level	Antenna Factor	System Loss	Total Level	Limit	Margin	Height Ant.	EuT Angle	Final Detector	Comment
I	MHz	dBµV	dBµV/m	dB	dBµV/m	dBµV/m	dB	m	deg		
916.800	000	66.94	22.36	-18.3	71.0	46.0	-25.0	1.10	100	MAX PEAK	Fundamental
916.800	000	66.07	22.36	-18.3	70.1	46.0	-24.1	1.10	100	QUASI-PEAK	Fundamental
916.800	000	44.79	22.36	-18.3	48.8	46.0	-2.8	1.10	100	AVERAGE	Fundamental

FCC Part 15 Class B

Electric Field Strength

EUT: ifi keyfob remote Manufacturer: Klipsch Operating Condition: 68 deg. F; 26% R.H. Test Site: DLS OF Site 3 Operator: Craig Brandt Test Specification: Comment: Date: 03-02-2005

TEXT: "Site 3 MidH 3M"

Short Description: Test Set-up Horz30-1000MHz TEST EQUIPMENT: Receiver --- Rohde&Schwarz ESI 40 SN: 837808/006 Antennas ---Biconical -- EMCO 3104C SN: 9701-4785 Log Periodic -- EMCO 3146 SN: 9702-4895 Pre-Amp --- Rohde&Schwarz TS-PR10 SN: 032001/005

TEST SET-UP: EuT Measured at 3 Meters with HORIZONTAL Antenna Polarisation



MEASUREMENT RESULT: "Ak104_4h_Final"

3/3/2005	8:48AM	4									
Freque	ncy	Level	Antenna Factor	System Loss	Total Level	Limit	Margin	Height Ant.	EuT Angle	Final Detector	Comment
]	MHz	dBµV	dBµV/m	dB	dBµV/m	dBµV/m	dB	m	deg		
916.800	000	66.70	22.36	-18.3	70.7	46.0	-24.7	1.00	90	MAX PEAK	Fundamental
916.800	000	65.85	22.36	-18.3	69.9	46.0	-23.9	1.00	90	QUASI-PEAK	Fundamental
916.800	000	44.77	22.36	-18.3	48.8	46.0	-2.8	1.00	90	AVERAGE	Fundamental



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APPENDIX A

RADIATED DATA AND GRAPH(S) TAKEN FOR

FIELD STRENGTH

SPURIOUS EMISSION MEASUREMENTS

PART 15.209

FCC Part 15 Class B

Electric Field Strength

EUT: ifi keyfob remote Manufacturer: Klipsch Operating Condition: 68 deg. F; 26% R.H. Test Site: DLS OF Site 3 Operator: Craig Brandt Test Specification: Comment: Date: 03-02-2005

TEXT: "Site 3 5731&184 V3M"

 Short Description:
 Test Set-up Vert1GHz

 TEST EQUIPMENT: Receiver --- Rohde&Schwarz ESI 40 SN: 837808/006

 Horn Antenna --- EMCO 3115 SN: 9903-5731

 Pre-Amps --

 1 - 10 GHz -- Miteq AMF-6D-010100-50 SN: 682425

 10 - 18 GHz -- Miteq AMF-6F-100200-50-10P SN: 668382

TEST SET-UP: EuT Measured at 3 Meters with VERTICAL Antenna Polarisation



MEASUREMENT RESULT: "Ak103_sv_Final"

3/2/2005 3:03PM

Frequency	Level	Antenna	System	Total	Limit	Margin	Height	EuT	Final	Comment
		Factor	Loss	Level			Ant.	Angle	Detector	
MHz	dBµV	dBµV/m	dB	dBµV/m	dBµV/m	dB	m	deg		
3667.300000	63.23	31.67	-38.4	56.5	53.9	-2.6	1.00	270	MAX PEAK	None
1833.620000	66.37	26.87	-39.3	53.9	53.9	-0.0	1.00	90	MAX PEAK	None
2750.460000	54.20	29.35	-39.3	44.2	53.9	9.7	1.20	135	MAX PEAK	None
3667.300000	42.57	31.67	-38.4	35.9	53.9	18.0	1.00	270	AVERAGE	None
1833.620000	47.34	26.87	-39.3	34.9	53.9	19.0	1.00	90	AVERAGE	None
2750.460000	37.67	29.35	-39.3	27.7	53.9	26.2	1.20	135	AVERAGE	None

FCC Part 15 Class B

Electric Field Strength

EUT: ifi keyfob remote Manufacturer: Klipsch Operating Condition: 68 deg. F; 26% R.H. Test Site: DLS OF Site 3 Operator: Craig Brandt Test Specification: Comment: Date: 03-02-2005

TEXT: "Site 3 5731&184 H3M"

 Short Description:
 Test Set-up HorzlGHz

 TEST EQUIPMENT: Receiver --- Rohde&Schwarz ESI 40 SN: 837808/006

 Horn Antenna --- EMCO 3115 SN: 9903-5731

 Pre-Amps --

 1 - 10 GHz -- Miteq AMF-6D-010100-50 SN: 682425

 10 - 18 GHz -- Miteq AMF-6F-100200-50-10P SN: 668382

TEST SET-UP: EuT Measured at 3 Meters with HORIZONTAL Antenna Polarisation



MEASUREMENT RESULT: "Ak103_sh_Final"

3/2/2005 2:57PM

Frequency MHz	Level dBµV	Antenna Factor dBµV/m	System Loss dB	Total Level dBµV/m	Limit dBµV/m	Margin dB	Height Ant. m	EuT Angle deg	Final Detector	Comment											
											3667.280000	65.75	31.67	-38.4	59.0	53.9	-5.1	1.30	270	MAX PEAK	None
											1833.660000	63.93	26.87	-39.3	51.5	53.9	2.4	1.20	0	MAX PEAK	None
2750.480000	57.80	29.35	-39.3	47.8	53.9	6.1	1.30	30	MAX PEAK	None											
3667.280000	44.55	31.67	-38.4	37.8	53.9	16.1	1.30	270	AVERAGE	None											
1833.660000	45.03	26.87	-39.3	32.6	53.9	21.3	1.20	0	AVERAGE	None											
2750.480000	39.66	29.35	-39.3	29.7	53.9	24.2	1.30	30	AVERAGE	None											