Prüfbericht-Nr.: *Test Report No.:*	**50056499 001**	**Auftrags-Nr.:** *Order No.:*	164072163	Seite 1 von 64 *Page 1 of 64*
Kunden-Referenz-Nr.: *Client Reference No.:*	N/A	**Auftragsdatum:** *Order date:*	23.08.2016	
Auftraggeber: *Client:*	limoss (Shenzhen) Co., Ltd. 1/F & South Wing, 2/F of Block A and North Wing, 1/F of Block E, Hourui 3rd Ind. Park, Xixiang, Bao'an, Shenzhen, Guangdong 518102, P.R. China			
Prüfgegenstand: *Test item:*	Cinema Control System Wall Unit			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	HC370 (limoss)			
Auftrags-Inhalt: *Order content:*	FCC/IC Certification			
Prüfgrundlage: *Test specification:*	CFR47 FCC Part 15: Subpart C Section 15.249 CFR47 FCC Part 15: Subpart C Section 15.209 RSS-Gen Issue 4 November 2014 RSS-102 Issue 5 March 2015		CFR47 FCC Part 15: Subpart C Section 15.207 RSS-210 Issue 8 December 2010 FCC KDB Publication 447498 D01 v06	
Wareneingangsdatum: *Date of receipt:*	01.09.2016			
Prüfmuster-Nr.: *Test sample No.:*	A000416439-002			
Prüfzeitraum: *Testing period:*	06.09.2016 - 14.09.2016			
Ort der Prüfung: *Place of testing:*	Accurate Technology Co., Ltd.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: *Test result*:*	Pass			

geprüft von / *tested by:*			**kontrolliert von** / *reviewed by:*		
28.09.2016	Winnie Hou/Senior Project Manager		28.09.2016	Owen Tian/Technical Certicier	
Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

Sonstiges / *Other:*

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *Test item complete and undamaged*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	*1 = very good*	*2 = good*	*3 = satisfactory*	*4 = sufficient*	*5 = poor*
	P(ass) = passed a.m. test specification(s)		*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT
RESULT: Pass

5.1.2 20DB BANDWIDTH AND 99% BANDWIDTH
RESULT: Pass

5.1.3 FUNDAMENTAL & HARMONICS RADIATED EMISSION
RESULT: Pass

5.1.4 RADIATED EMISSIONS OUTSIDE OF THE BAND
RESULT: Pass

5.1.5 CONDUCTED EMISSIONS
RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS
RESULT: Pass

Contents

1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

(FCC Registration No.: 752051)
(Test site Industry Canada No.: 5077A-2)

F1, Bldg. A, Changyuan New Material Port
Keyuan Rd., Science & Industry Park, Nanshan
Shenzhen, P.R. China

The tests at the test site have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Transmitter spurious emissions				
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2017-01-09
Test Receiver	Rohde & Schwarz	ESCS30	100307	2017-01-09
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2017-01-09
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2017-01-09
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2017-01-09
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2017-01-09
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	2017-01-09
Pre-Amplifier	Rohde&Schwarz	CBLU11835 40-01	3791	2017-01-09
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2017-01-09
RF Coaxial Cable	SUHNER	N-3m	No.8	2017-01-09
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2017-01-09
RF Coaxial Cable	SUHNER	N-6m	No.10	2017-01-09
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2017-01-09
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2017-01-09
Radio Spectrum Test				
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2017-01-09
Vector Signal Generator	Rohde & Schwarz	SMBV100A	260434	2017-01-09
Signal Generator	Rohde & Schwarz	SMB100A	108362	2017-01-09
Open Switch and Control Unit	Rohde & Schwarz	OSP120 + OSP-B157	101244 + 100866	2017-01-09

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Spectrum	< ± 0.60 dB
Radiated emission of transmitter, valid up to 26.5 GHz	< ± 4.42 dB
Conducted Emission	< ± 2.23 dB
Radiated Emission	< ± 4.42 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Accurate Technology Co., Ltd. test facility located at F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan, Shenzhen, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUT is wall unit of cinema control system, which used for cinema seats mass open and close, it operates at 2.4GHz ISM band.
For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	Cinema Control System Wall Unit
Type Designation	HC370
FCC ID	2AH9H-HC370
IC	21543-HC370
Operating Frequency Band	2400MHz ~ 2483.5MHz
Operating Frequency	2422.999MHz, 2448.393MHz, 2473.987MHz
Number of Channel	3
Extreme Temperature Range	0~+40℃
Operation Voltage	AC 100 – 240V
Modulation	MSK
Antenna Gain	5dBi

3.3 Independent Operation Modes

The basic operation modes are:

A. On
   1. Transmitting
   2. Receiving

B. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- PCB Layout
- Photo Document
- Circuit Diagram
- Instruction Manual
- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10: 2013.

4.3 Special Accessories and Auxiliary Equipment

None.

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test for below 1GHz

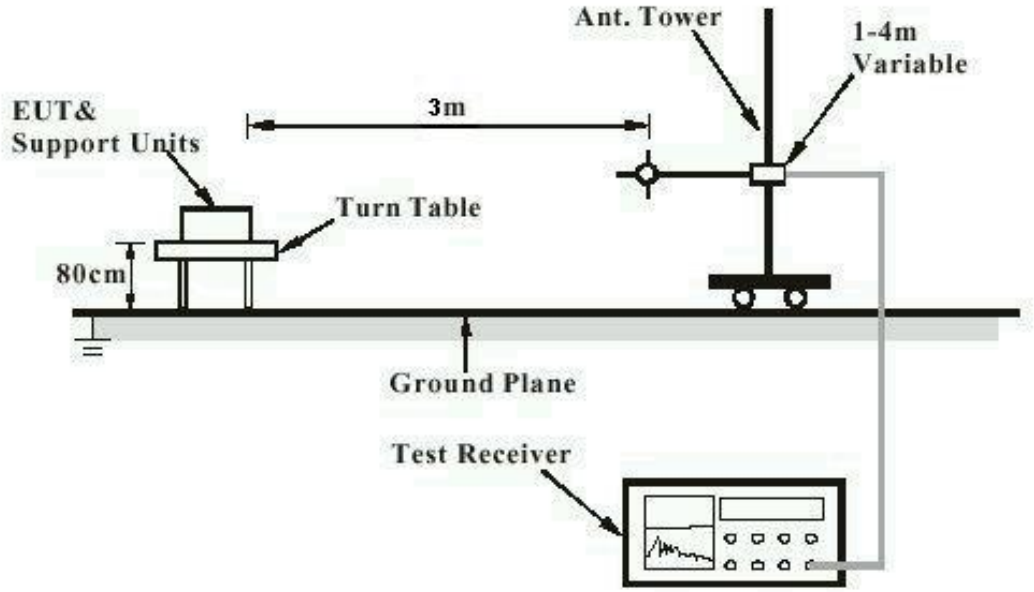


Diagram of Measurement Configuration for Radiation Test for above 1GHz

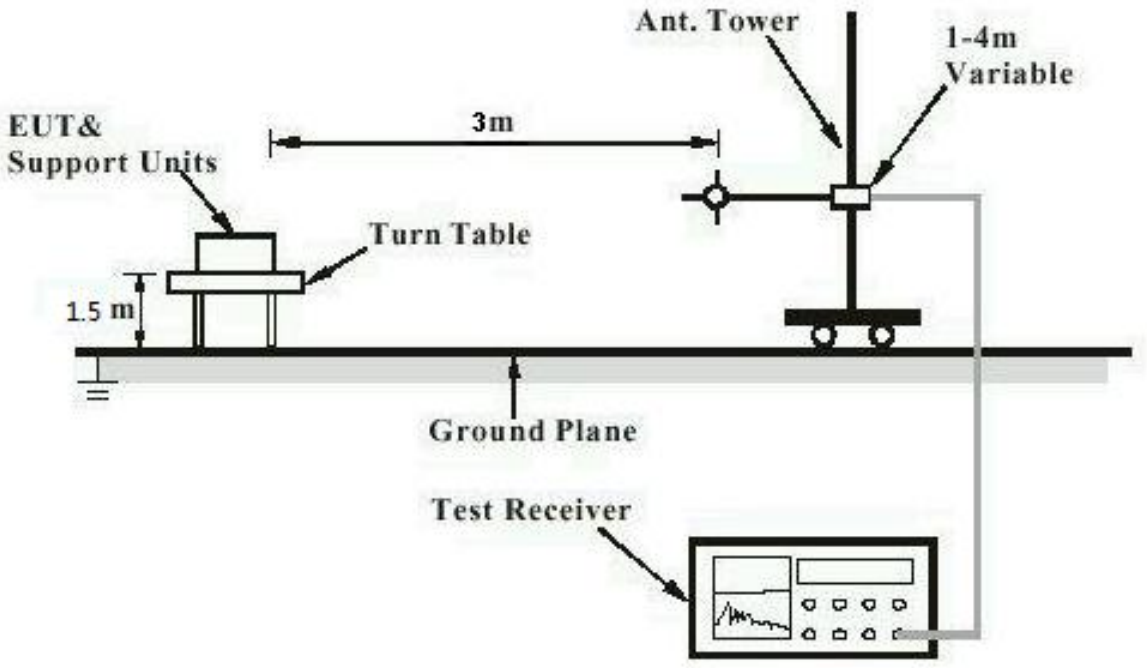


Diagram of Measurement Equipment Configuration for Transmitter Measurement

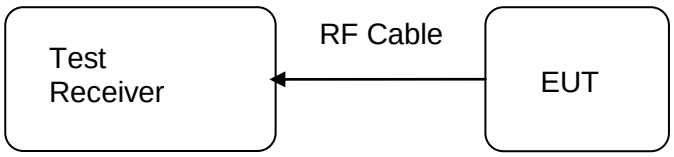
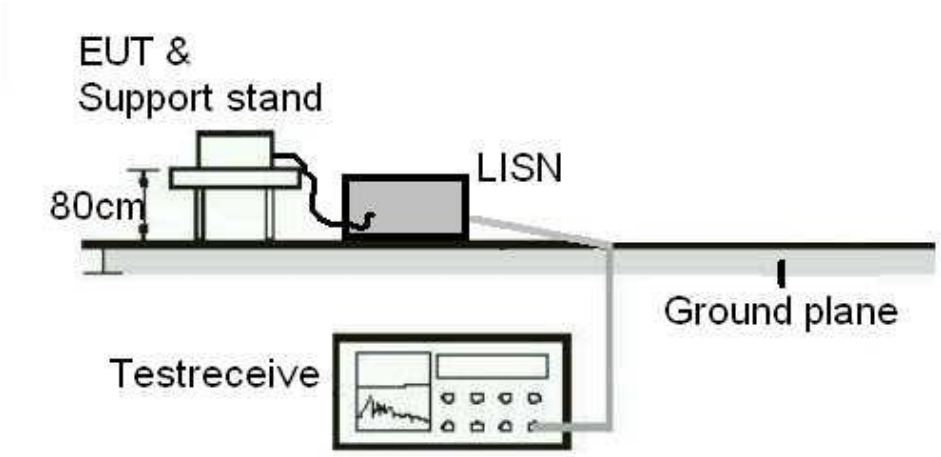


Diagram of Measurement Equipment Configuration for Conduction Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Pass**

Test standard	:	Part 15.203 RSS-Gen 8.3
Limit	:	the use of antennas with directional gains that do not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 5dBi, therefore the EUT is considered sufficient to comply with the provision.

5.1.2 20dB Bandwidth and 99% Bandwidth

RESULT: **Pass**

Date of testing	:	2016-09-07
Test standard	:	FCC Part 15.215 (c) RSS-Gen clause 6.6
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded room

Test setup

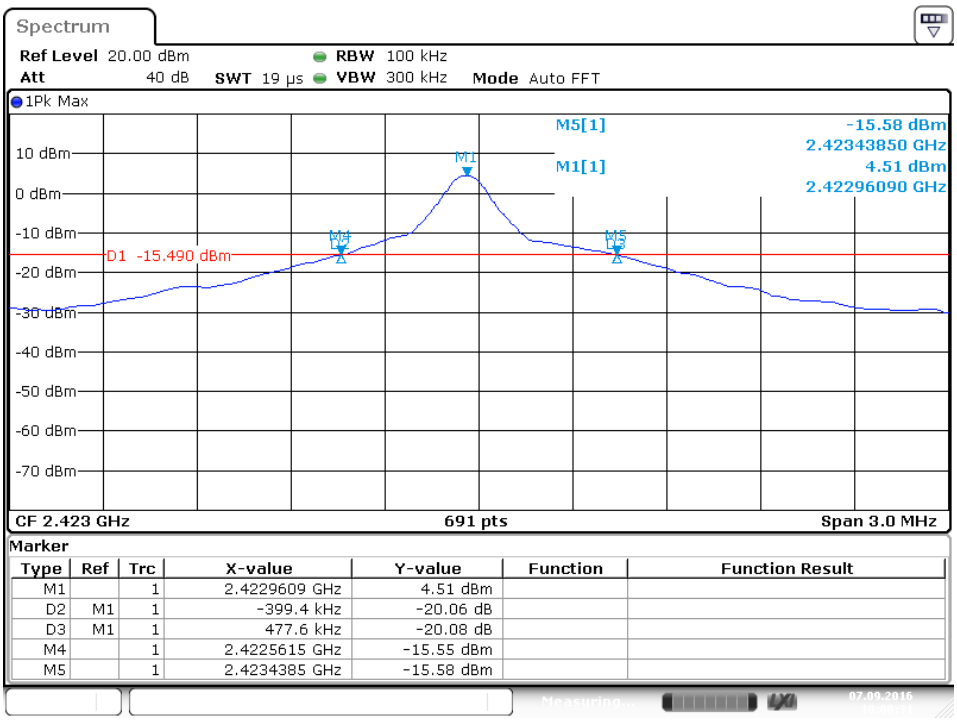
Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1
Ambient temperature	:	21℃
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

Table 4: Test result of 20dB & 99% Bandwidth

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2422.999	0.8770	1.372
Mid Channel	2448.393	0.9725	1.459
High Channel	2473.987	0.8423	1.411

For details refer to following test plot.

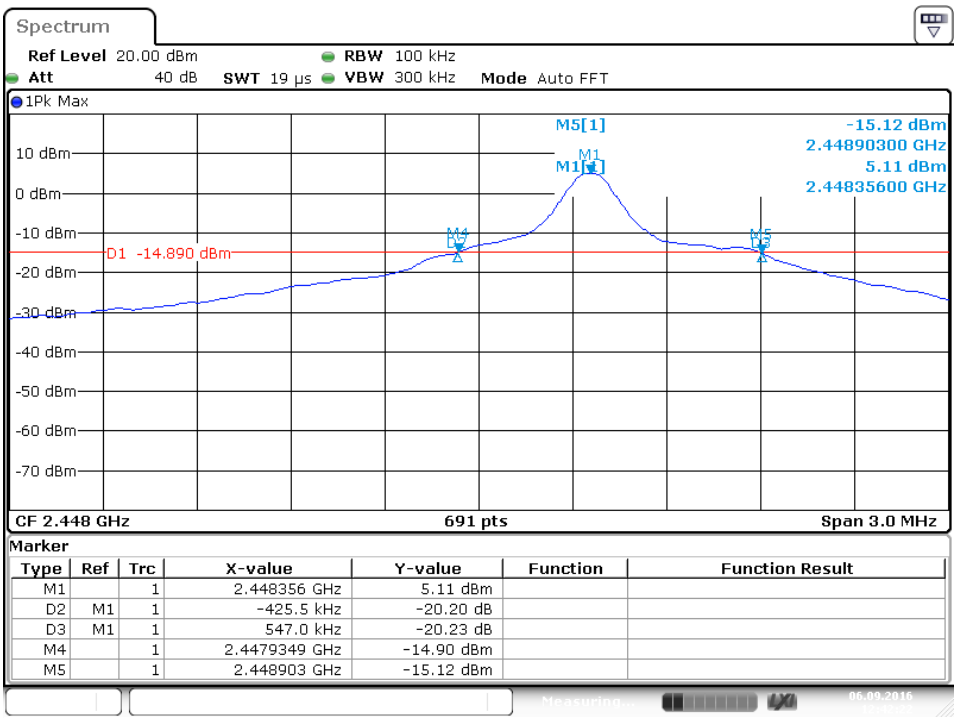
Test Plot of 20dB Bandwidth



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4229609 GHz	4.51 dBm		
D2	M1	1	-399.4 kHz	-20.06 dB		
D3	M1	1	477.6 kHz	-20.08 dB		
M4		1	2.4225615 GHz	-15.55 dBm		
M5		1	2.4234385 GHz	-15.58 dBm		

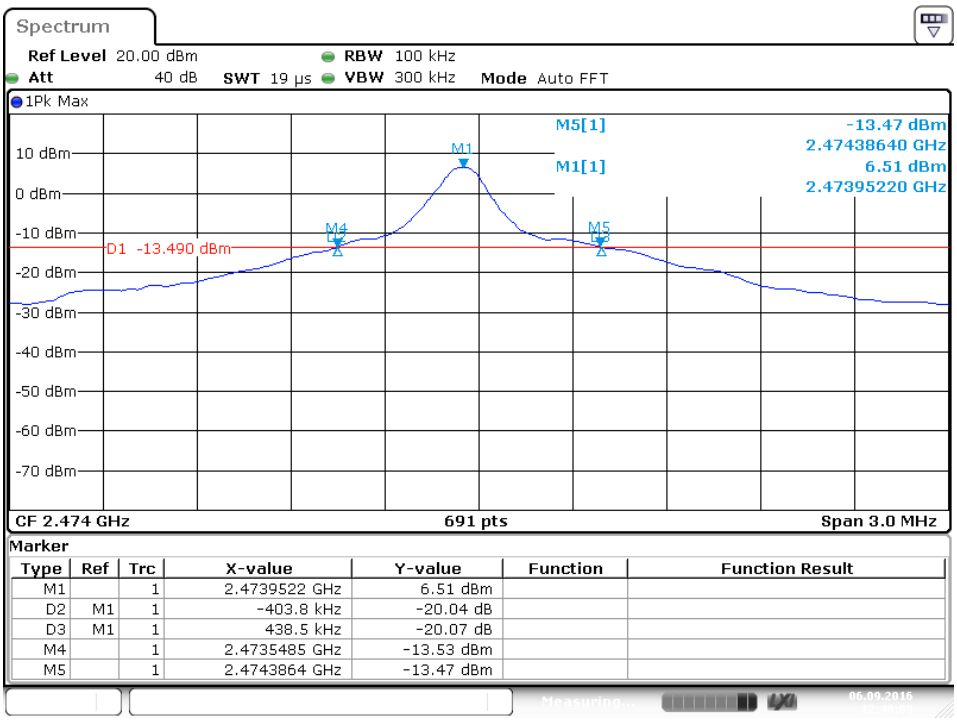
Date: 7.SEP.2016 10:00:31



Marker

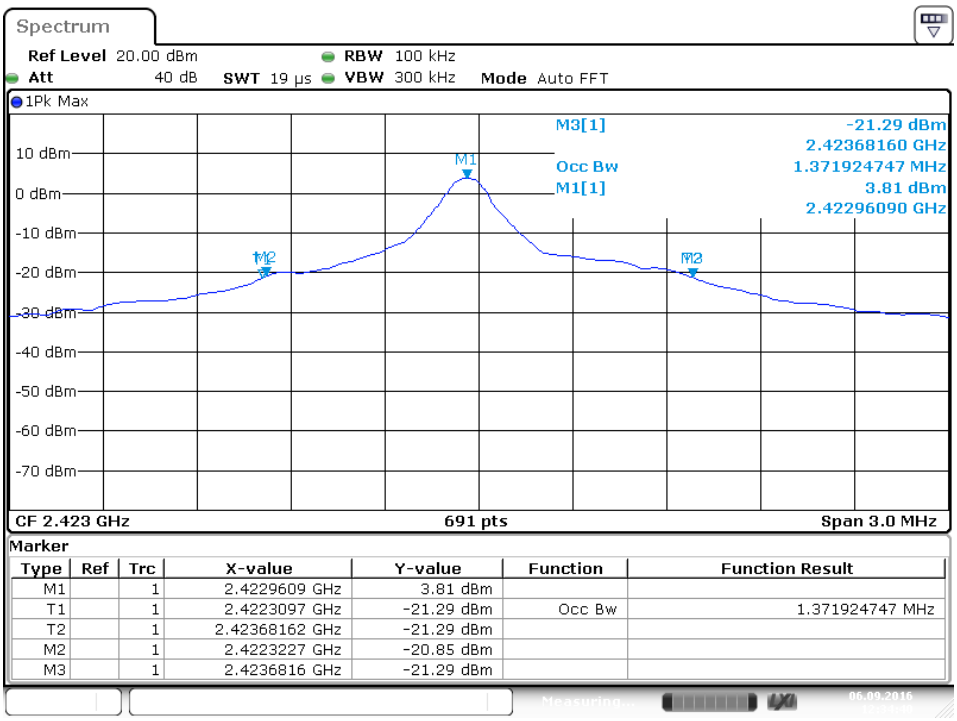
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.448356 GHz	5.11 dBm		
D2	M1	1	-425.5 kHz	-20.20 dB		
D3	M1	1	547.0 kHz	-20.23 dB		
M4		1	2.4479349 GHz	-14.90 dBm		
M5		1	2.448903 GHz	-15.12 dBm		

Date: 6.SEP.2016 12:42:22



Date: 6.SEP.2016 12:40:09

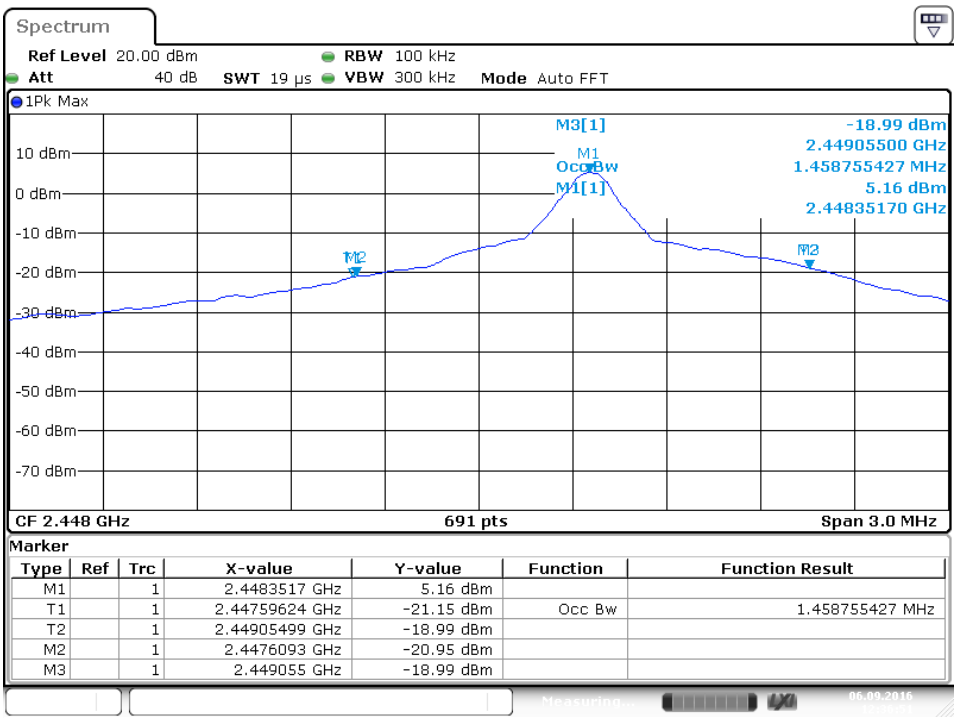
Test Plot of 99% Bandwidth



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4229609 GHz	3.81 dBm		
T1		1	2.4223097 GHz	-21.29 dBm	Occ Bw	1.371924747 MHz
T2		1	2.42368162 GHz	-21.29 dBm		
M2		1	2.4223227 GHz	-20.85 dBm		
M3		1	2.4236816 GHz	-21.29 dBm		

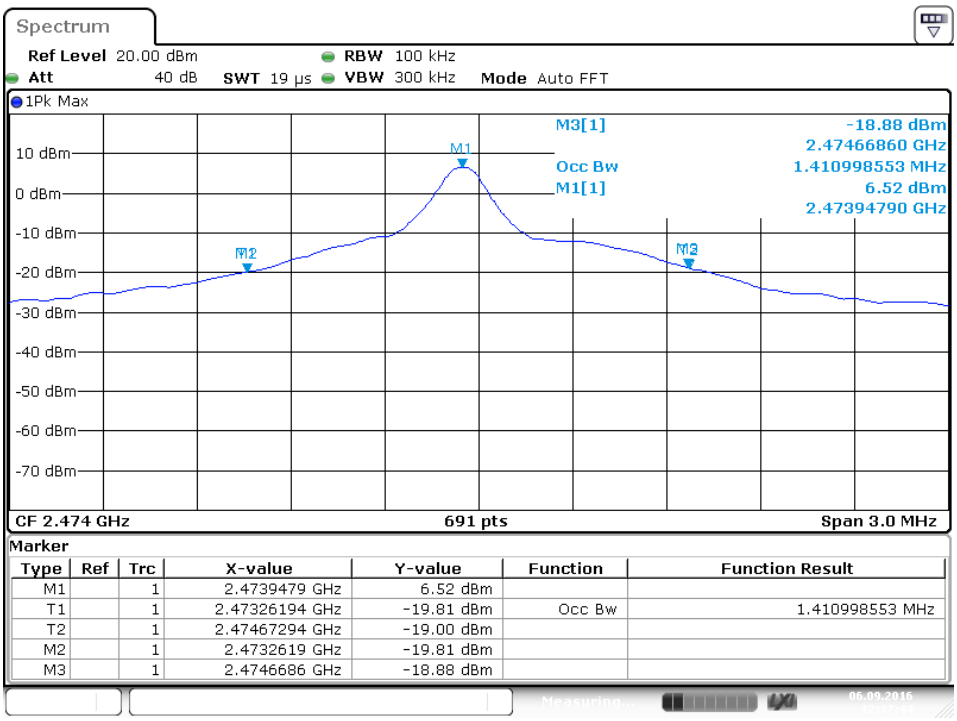
Date: 6.SEP.2016 12:34:40



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4483517 GHz	5.16 dBm		
T1		1	2.44759624 GHz	-21.15 dBm	Occ Bw	1.458755427 MHz
T2		1	2.44905499 GHz	-18.99 dBm		
M2		1	2.4476093 GHz	-20.95 dBm		
M3		1	2.449055 GHz	-18.99 dBm		

Date: 6.SEP.2016 12:36:52



Date: 6.SEP.2016 12:37:45

5.1.3 Fundamental & Harmonics Radiated Emission

RESULT: **Pass**

Date of testing	:	2016-09-06
Test standard	:	FCC part 15.249(a) RSS-210 Clause A2.9
Basic standard	:	ANSI C63.10: 2013
Limits	:	FCC part 15.249(a)
Kind of test site	:	3m Semi-Anechoic Chamber & Anechoic Chamber

Test setup

Test channel	:	Low/ Middle/ High
Operation mode	:	A.1
Ambient temperature	:	23℃
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

Table 5: Polarization of the measurement for the larger power level channel 2422.999MHz: Horizontal

Test conditions		Fundamental Frequency		Harmonic Frequency	
		2422.999MHz		---	
T_{nom}(25ºC)	Unit	(dBµV/m)	(mV/m)	(dBµV/m)	(µV/m)
	Horizontal	90.53	33.612	---	---
	Vertical	89.71	30.584	---	---
Limit		94	50	54	500

The final measurement for frequencies below 1000MHz is performed with Quasi Peak detector; the final measurement for frequencies above 1000MHz is performed with Average detector.

The worst case was shown in above Table 5.

Disturbance other than those mentioned are small or not detectable.

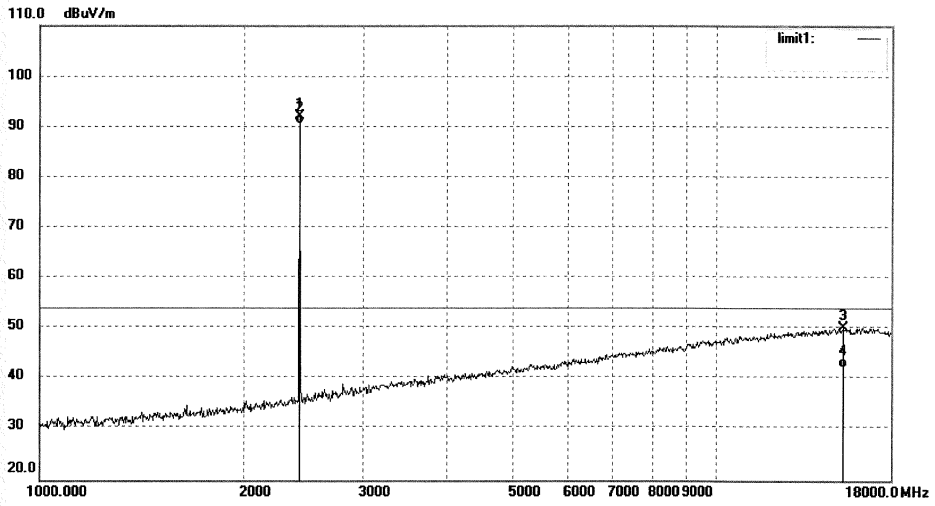
For details refer to following test plot.

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #3329	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



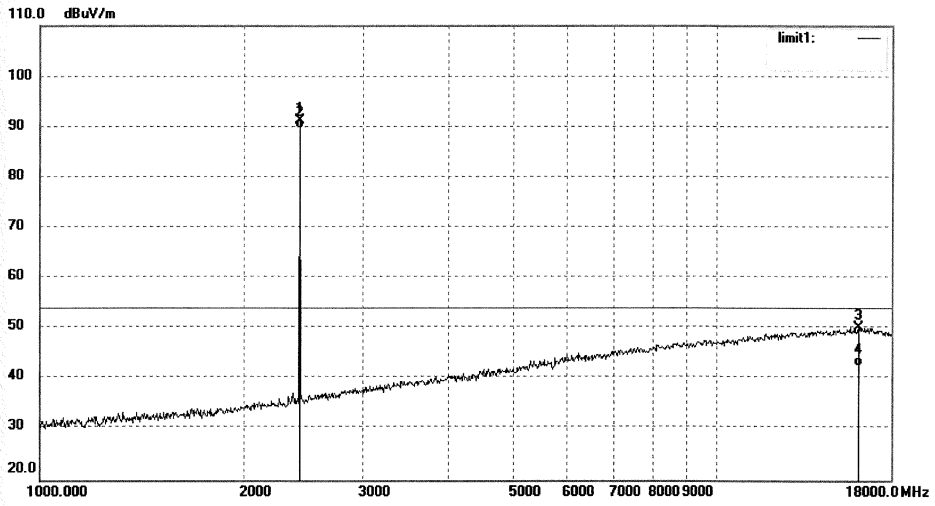
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2422.999	99.43	-7.40	92.03	114.00	-21.97	peak			
2	2422.999	97.93	-7.40	90.53	94.00	-3.47	AVG			
3	15354.388	9.85	40.39	50.24	74.00	-23.76	peak			
4	15354.388	2.06	40.39	42.45	54.00	-11.55	AVG			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #3330	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2422.999	98.61	-7.40	91.21	114.00	-22.79	peak			
2	2422.999	97.11	-7.40	89.71	94.00	-4.29	AVG			
3	16127.689	10.10	40.08	50.18	74.00	-23.82	peak			
4	16127.689	2.48	40.08	42.56	54.00	-11.44	AVG			

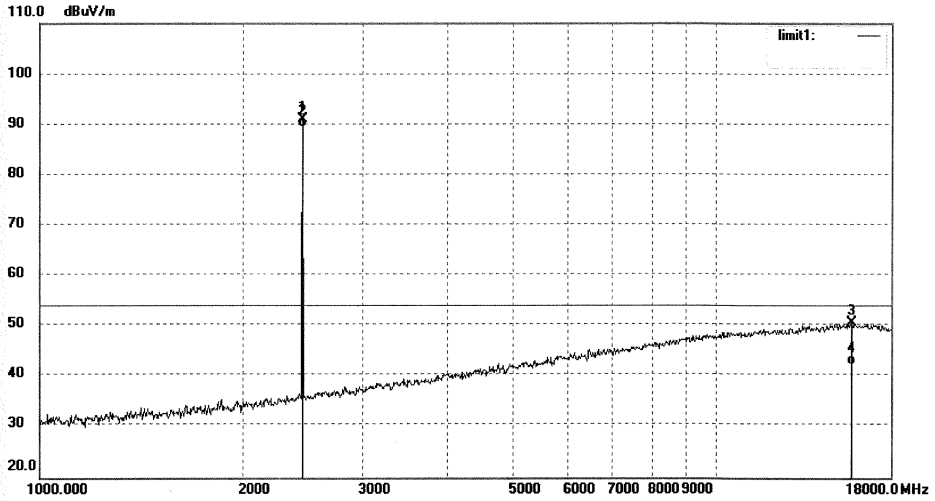
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lgwade #3333
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: 2.4GHz Wireless remote control wall unit
Mode: TX 2448.393MHz
Model: HC370
Manufacturer: Limoss

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 16/09/06/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



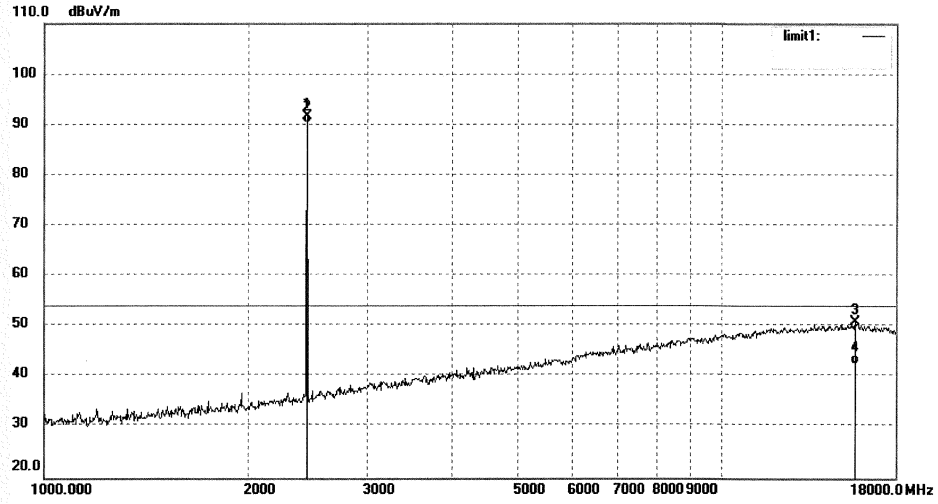
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2448.393	98.25	-7.34	90.91	114.00	-23.09	peak			
2	2448.393	96.75	-7.34	89.41	94.00	-4.59	AVG			
3	15759.048	10.59	40.05	50.64	74.00	-23.36	peak			
4	15759.048	2.41	40.05	42.46	54.00	-11.54	AVG			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lgwade #3334	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2448.393MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



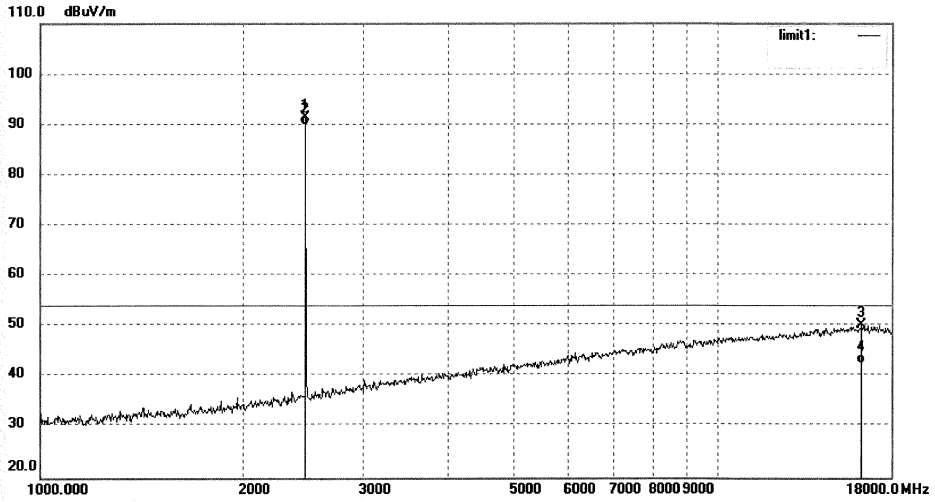
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2448.393	99.09	-7.34	91.75	114.00	-22.25	peak			
2	2448.393	97.59	-7.34	90.25	94.00	-3.75	AVG			
3	15668.211	10.80	40.07	50.87	74.00	-23.13	peak			
4	15668.211	2.51	40.07	42.58	54.00	-11.42	AVG			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #3336	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2473.987	98.70	-7.37	91.33	114.00	-22.67	peak			
2	2473.987	97.20	-7.37	89.83	94.00	-4.17	AVG			
3	16268.142	10.04	40.16	50.20	74.00	-23.80	peak			
4	16268.142	2.38	40.16	42.54	54.00	-11.46	AVG			

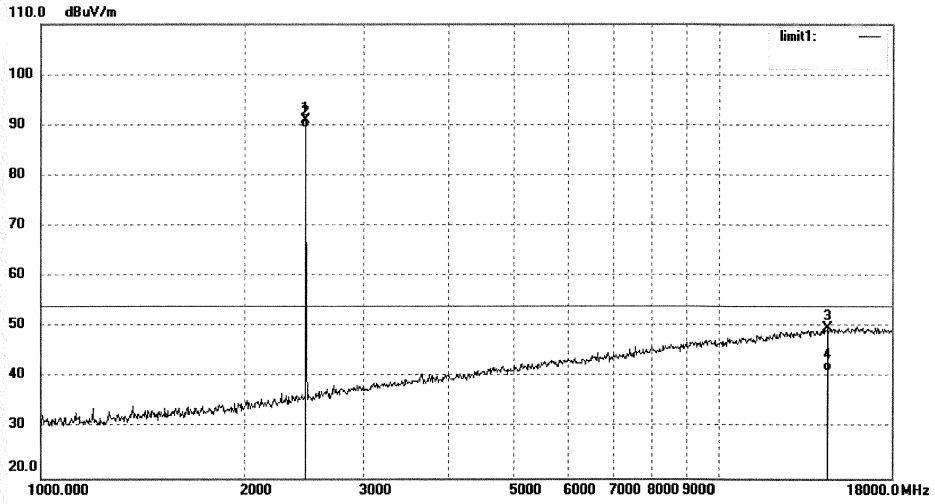
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lgwade #3335
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: 2.4GHz Wireless remote control wall unit
Mode: TX 2473.987MHz
Model: HC370
Manufacturer: Limoss

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 16/09/06/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2473.987	98.30	-7.37	90.93	114.00	-23.07	peak			
2	2473.987	96.80	-7.37	89.43	94.00	-4.57	AVG			
3	14491.958	7.21	42.56	49.77	74.00	-24.23	peak			
4	14491.958	-1.24	42.56	41.32	54.00	-12.68	AVG			

5.1.4 Radiated emissions outside of the band

RESULT: **Pass**

Date of testing	:	2016-09-07
Test standard	:	FCC Part 15.209(a) FCC Part 15.249(d) RSS-210 Clause A2.9(b)
Basic standard	:	ANSI C63.10: 2013
Frequency range	:	0.009 – 26500MHz*
Limits	:	FCC Part 15.209(a) FCC Part 15.249(d)
Kind of test site	:	3m Semi-Anechoic Chamber & Anechoic Chamber

Test Setup

Test channel	:	Low/ Middle/ High
Operation mode	:	A.1
Ambient temperature	:	23℃
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

Test Plot of Radiated emissions outside band

ACCURATE TECHNOLOGY CO.,LTD

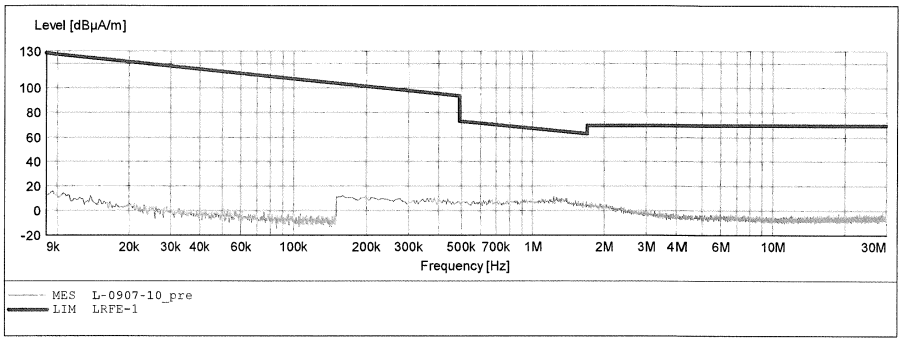
FCC Class B 3M Radiated

EUT:	2.4GHz Wireless remote control wall unit M/N:HC370
Manufacturer:	Limoss
Operating Condition:	TX 2422.999MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	AC 120V/60Hz
Comment:	X
Start of Test:	2016-9-7 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO.,LTD

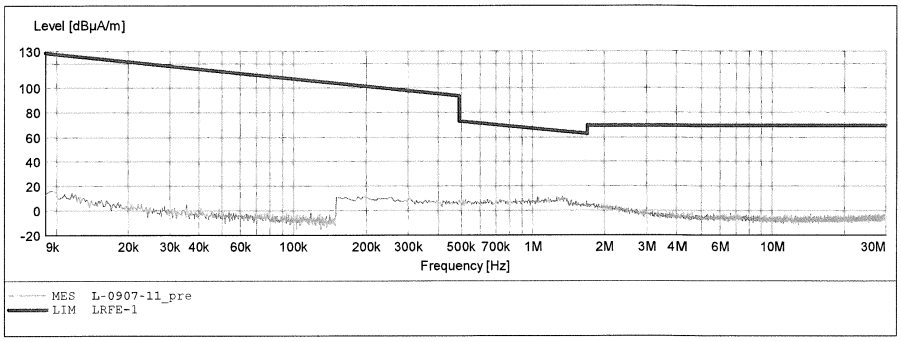
FCC Class B 3M Radiated

EUT: 2.4GHz Wireless remote control wall unit M/N:HC370
Manufacturer: Limoss
Operating Condition: TX 2422.999MHz
Test Site: 2# Chamber
Operator: LGWADE
Test Specification: AC 120V/60Hz
Comment: Y
Start of Test: 2016-9-7 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO.,LTD

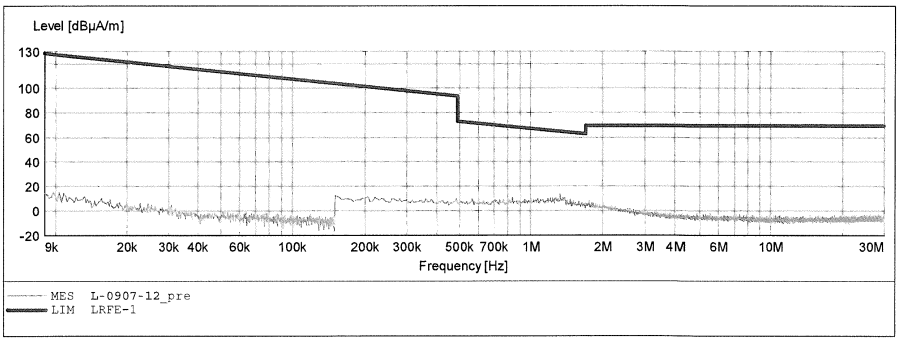
FCC Class B 3M Radiated

EUT: 2.4GHz Wireless remote control wall unit M/N:HC370
Manufacturer: Limoss
Operating Condition: TX 2422.999MHz
Test Site: 2# Chamber
Operator: LGWADE
Test Specification: AC 120V/60Hz
Comment: Z
Start of Test: 2016-9-7 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO.,LTD

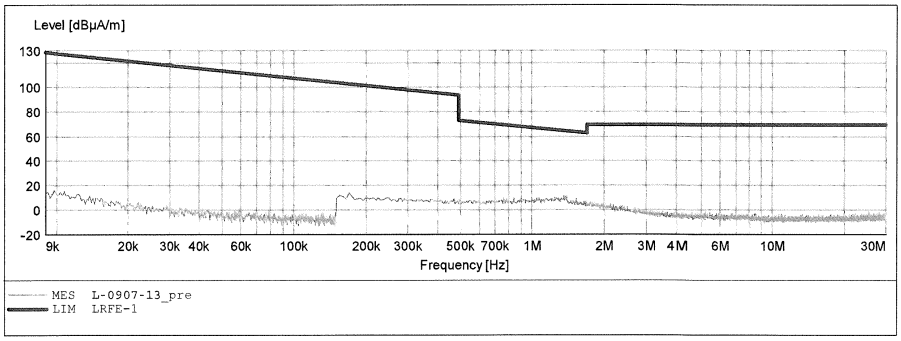
FCC Class B 3M Radiated

EUT:	2.4GHz Wireless remote control wall unit M/N:HC370
Manufacturer:	Limoss
Operating Condition:	TX 2448.393MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	AC 120V/60Hz
Comment:	X
Start of Test:	2016-9-7 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO.,LTD

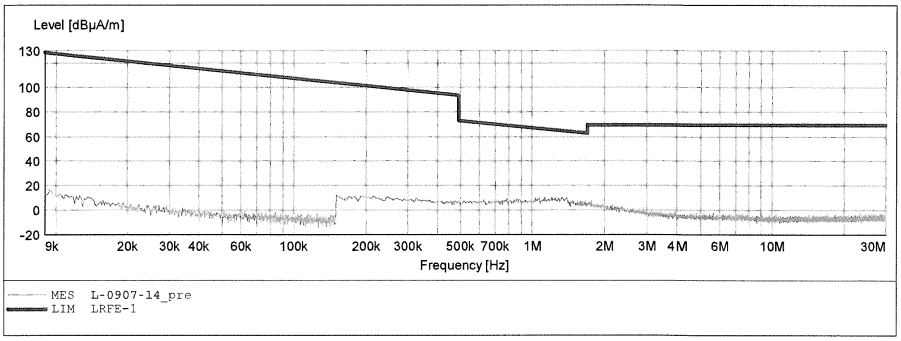
FCC Class B 3M Radiated

EUT: 2.4GHz Wireless remote control wall unit M/N:HC370
Manufacturer: Limoss
Operating Condition: TX 2448.393MHz
Test Site: 2# Chamber
Operator: LGWADE
Test Specification: AC 120V/60Hz
Comment: Y
Start of Test: 2016-9-7 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO.,LTD

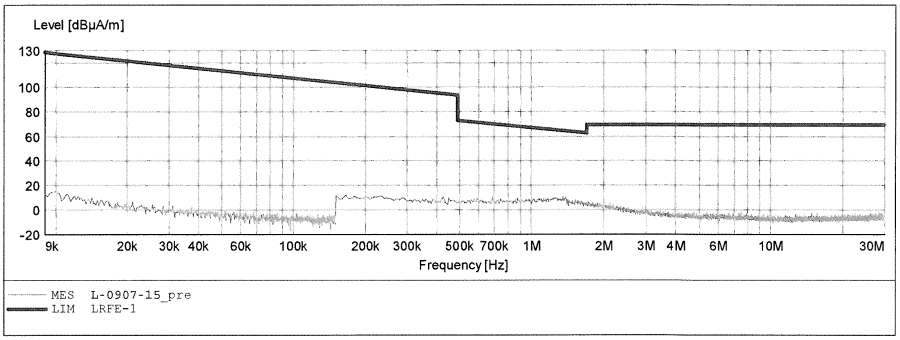
FCC Class B 3M Radiated

EUT:	2.4GHz Wireless remote control wall unit M/N:HC370
Manufacturer:	Limoss
Operating Condition:	TX 2448.393MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	AC 120V/60Hz
Comment:	Z
Start of Test:	2016-9-7 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO.,LTD

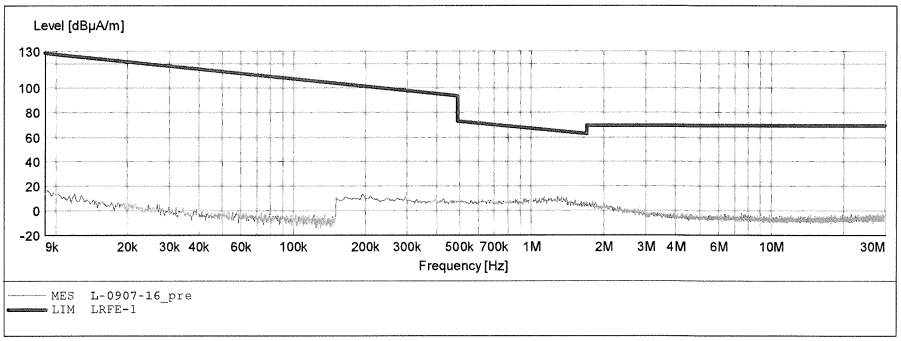
FCC Class B 3M Radiated

```
EUT:                  2.4GHz Wireless remote control wall unit M/N:HC370
Manufacturer:         Limoss
Operating Condition:  TX 2473.987MHz
Test Site:            2# Chamber
Operator:             LGWADE
Test Specification:   AC 120V/60Hz
Comment:              X
Start of Test:        2016-9-7 /
```

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO.,LTD

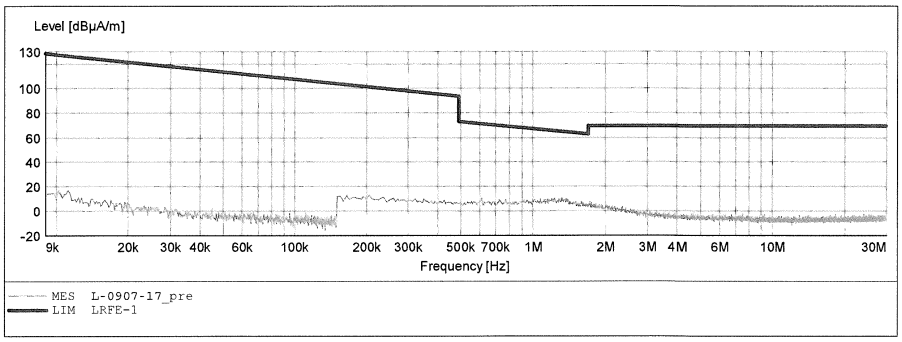
FCC Class B 3M Radiated

EUT:	2.4GHz Wireless remote control wall unit M/N:HC370
Manufacturer:	Limoss
Operating Condition:	TX 2473.987MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	AC 120V/60Hz
Comment:	Y
Start of Test:	2016-9-7 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO.,LTD

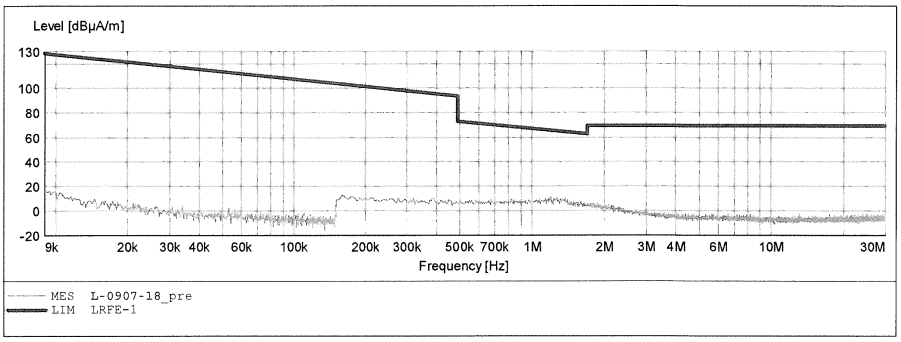
FCC Class B 3M Radiated

EUT: 2.4GHz Wireless remote control wall unit M/N:HC370
Manufacturer: Limoss
Operating Condition: TX 2473.987MHz
Test Site: 2# Chamber
Operator: LGWADE
Test Specification: AC 120V/60Hz
Comment: Z
Start of Test: 2016-9-7 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

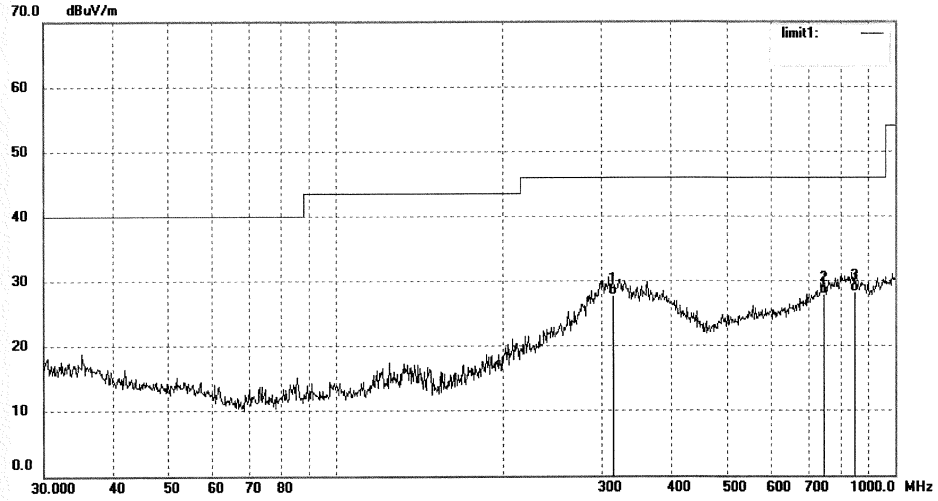


ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lgwade #3377	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	314.3765	36.62	-8.89	27.73	46.00	-18.27	QP			
2	744.8660	29.10	-1.11	27.99	46.00	-18.01	QP			
3	845.0878	27.58	0.69	28.27	46.00	-17.73	QP			

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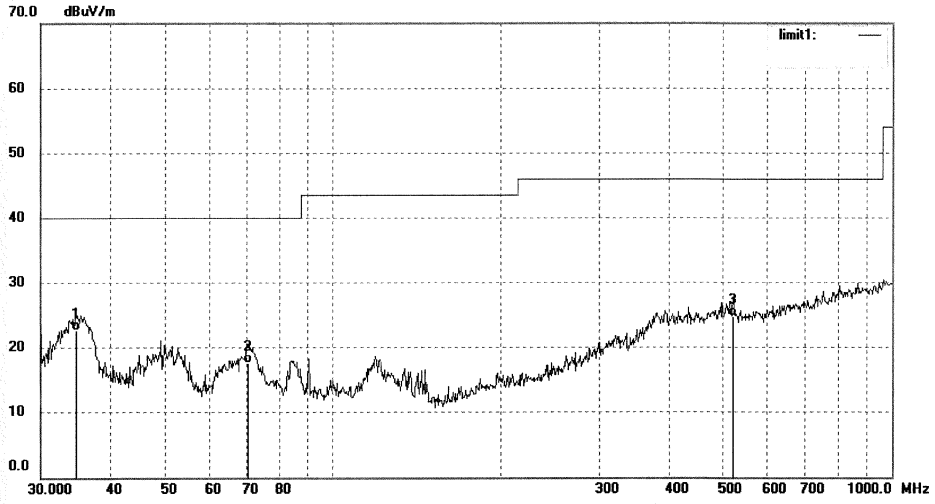
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #3378	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.7601	33.03	-10.34	22.69	40.00	-17.31	QP			
2	70.3365	33.77	-16.16	17.61	40.00	-22.39	QP			
3	520.8881	29.13	-4.31	24.82	46.00	-21.18	QP			

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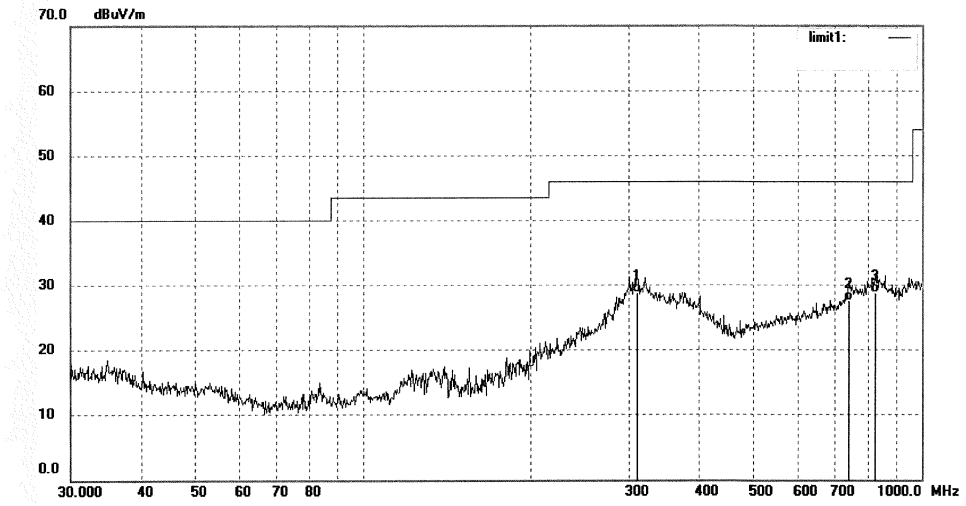
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lgwade #3380	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2448.393MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	309.9977	37.83	-9.02	28.81	46.00	-17.19	QP			
2	739.6604	28.80	-1.21	27.59	46.00	-18.41	QP			
3	824.5968	28.37	0.42	28.79	46.00	-17.21	QP			

ACCURATE TECHNOLOGY CO., LTD.
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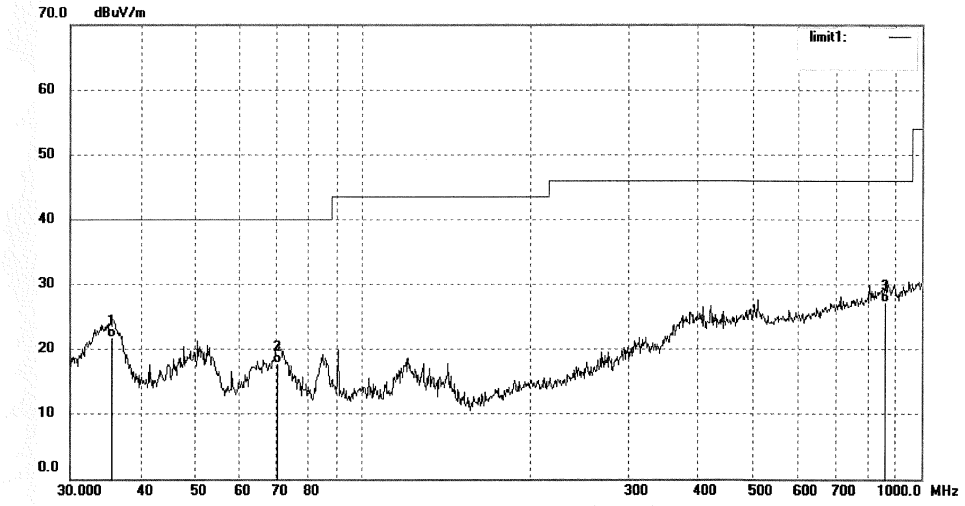
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #3379	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2448.393MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



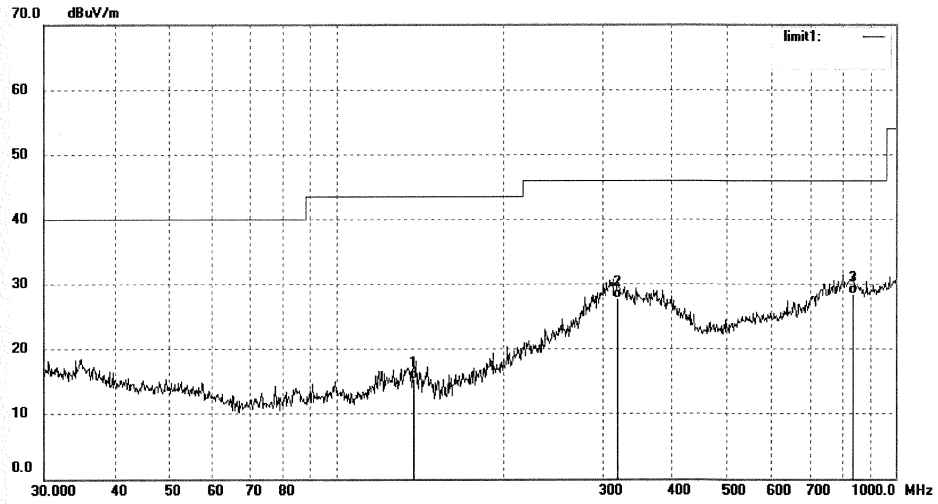
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.6240	32.30	-10.56	21.74	40.00	-18.26	QP			
2	70.3365	33.84	-16.16	17.68	40.00	-22.32	QP			
3	860.0352	26.44	0.86	27.30	46.00	-18.70	QP			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lgwade #3381	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	137.9028	30.03	-14.75	15.28	43.50	-28.22	QP			
2	318.8170	36.56	-8.78	27.78	46.00	-18.22	QP			
3	833.3170	27.88	0.59	28.47	46.00	-17.53	QP			

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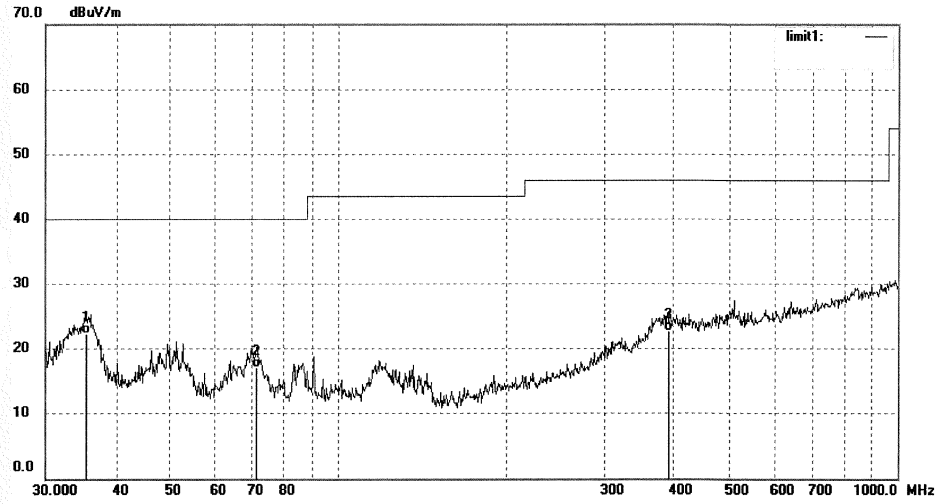
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lgwade #3382	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



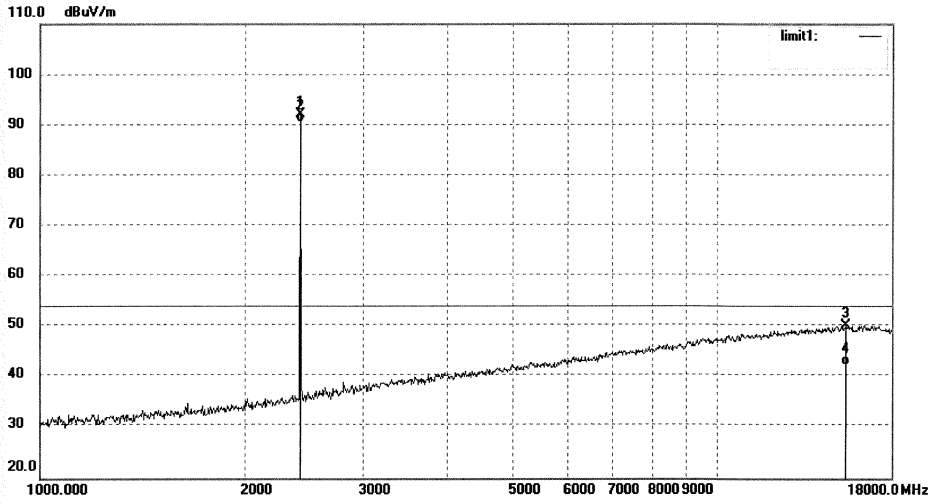
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.3750	32.87	-10.50	22.37	40.00	-17.63	QP			
2	71.3299	33.41	-16.28	17.13	40.00	-22.87	QP			
3	390.7225	29.85	-7.20	22.65	46.00	-23.35	QP			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lgwade #3329	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2422.999	99.43	-7.40	92.03	114.00	-21.97	peak			
2	2422.999	97.93	-7.40	90.53	94.00	-3.47	AVG			
3	15354.388	9.85	40.39	50.24	74.00	-23.76	peak			
4	15354.388	2.06	40.39	42.45	54.00	-11.55	AVG			

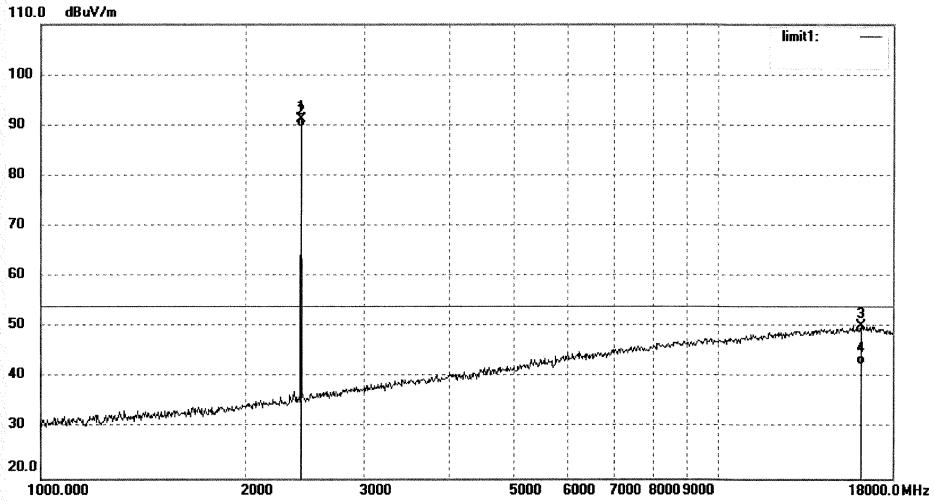
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lgwade #3330
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: 2.4GHz Wireless remote control wall unit
Mode: TX 2422.999MHz
Model: HC370
Manufacturer: Limoss

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 16/09/06/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



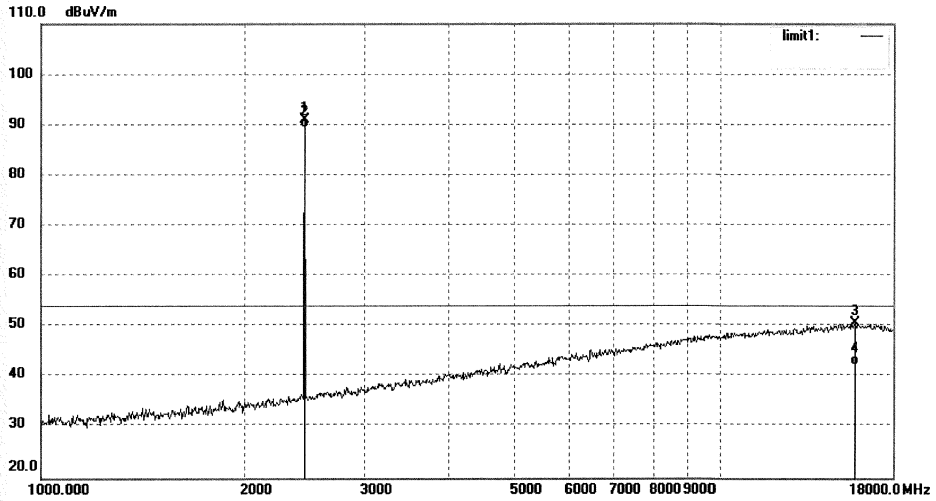
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2422.999	98.61	-7.40	91.21	114.00	-22.79	peak			
2	2422.999	97.11	-7.40	89.71	94.00	-4.29	AVG			
3	16127.689	10.10	40.08	50.18	74.00	-23.82	peak			
4	16127.689	2.48	40.08	42.56	54.00	-11.44	AVG			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lgwade #3333	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2448.393MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2448.393	98.25	-7.34	90.91	114.00	-23.09	peak			
2	2448.393	96.75	-7.34	89.41	94.00	-4.59	AVG			
3	15759.048	10.59	40.05	50.64	74.00	-23.36	peak			
4	15759.048	2.41	40.05	42.46	54.00	-11.54	AVG			

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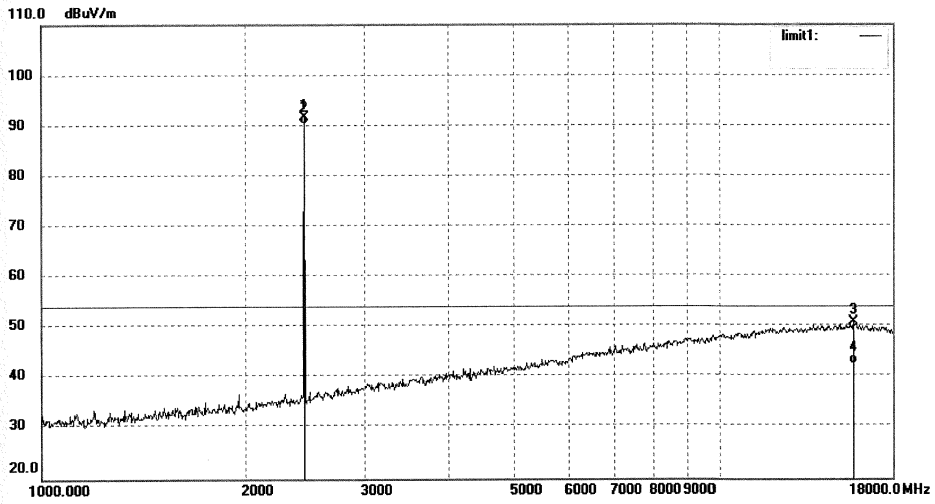
Job No.: lgwade #3334
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: 2.4GHz Wireless remote control wall unit
Mode: TX 2448.393MHz
Model: HC370
Manufacturer: Limoss

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 16/09/06/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2448.393	99.09	-7.34	91.75	114.00	-22.25	peak			
2	2448.393	97.59	-7.34	90.25	94.00	-3.75	AVG			
3	15668.211	10.80	40.07	50.87	74.00	-23.13	peak			
4	15668.211	2.51	40.07	42.58	54.00	-11.42	AVG			

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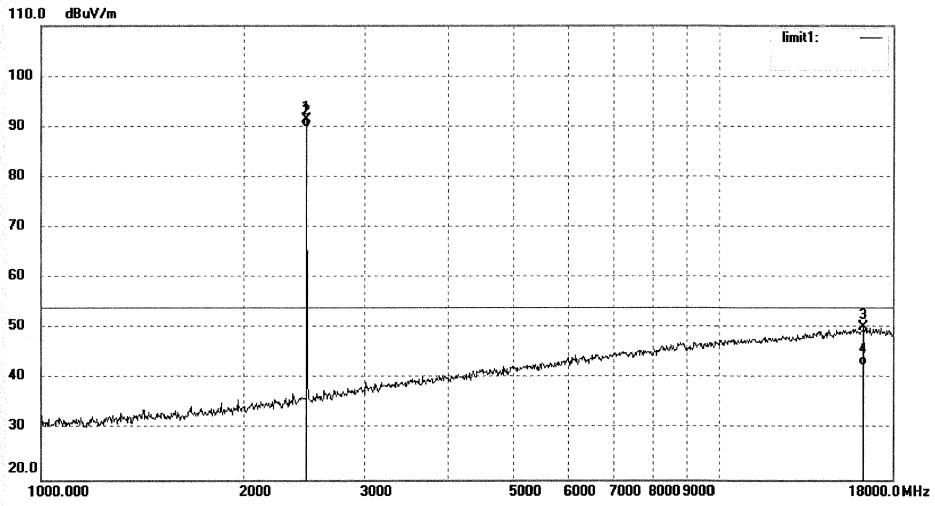
Job No.: Igwade #3336	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2473.987	98.70	-7.37	91.33	114.00	-22.67	peak			
2	2473.987	97.20	-7.37	89.83	94.00	-4.17	AVG			
3	16268.142	10.04	40.16	50.20	74.00	-23.80	peak			
4	16268.142	2.38	40.16	42.54	54.00	-11.46	AVG			

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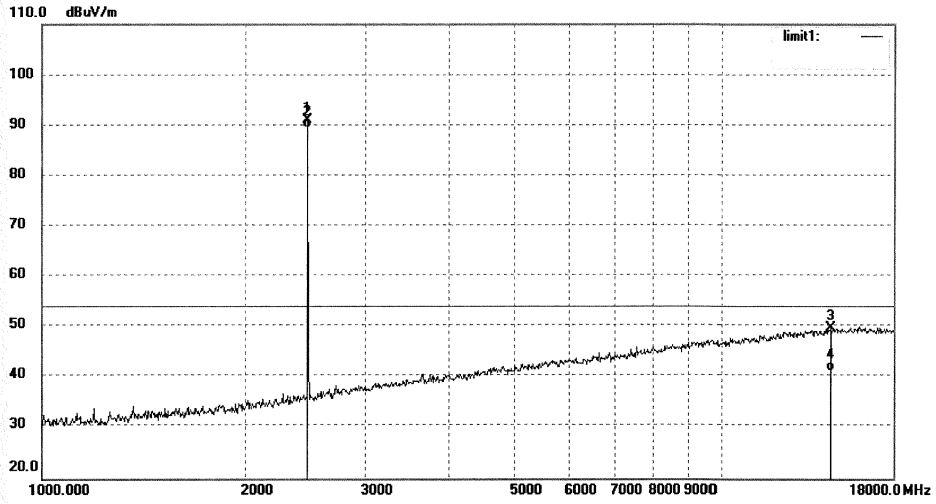
Job No.: lgwade #3335	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2473.987	98.30	-7.37	90.93	114.00	-23.07	peak			
2	2473.987	96.80	-7.37	89.43	94.00	-4.57	AVG			
3	14491.958	7.21	42.56	49.77	74.00	-24.23	peak			
4	14491.958	-1.24	42.56	41.32	54.00	-12.68	AVG			

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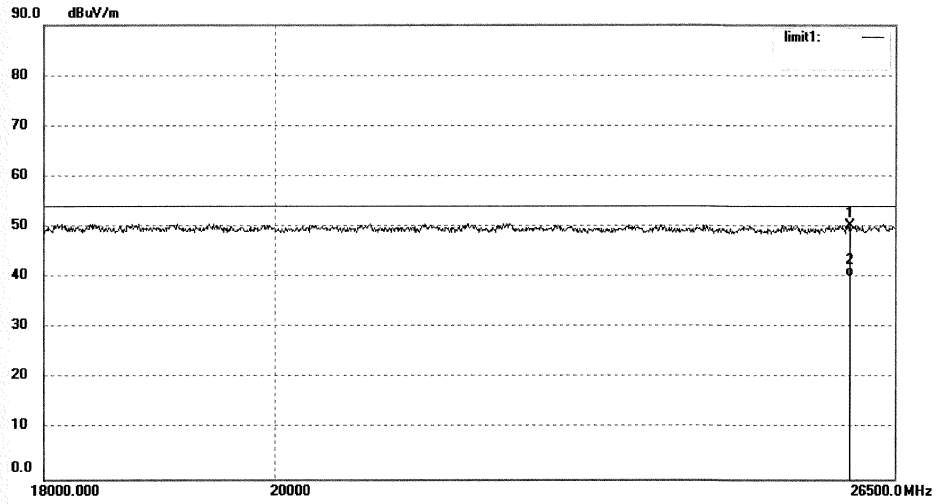
Job No.: Igwade #3340	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25952.268	33.69	16.50	50.19	74.00	-23.81	peak			
2	25952.268	23.60	16.50	40.10	54.00	-13.90	AVG			

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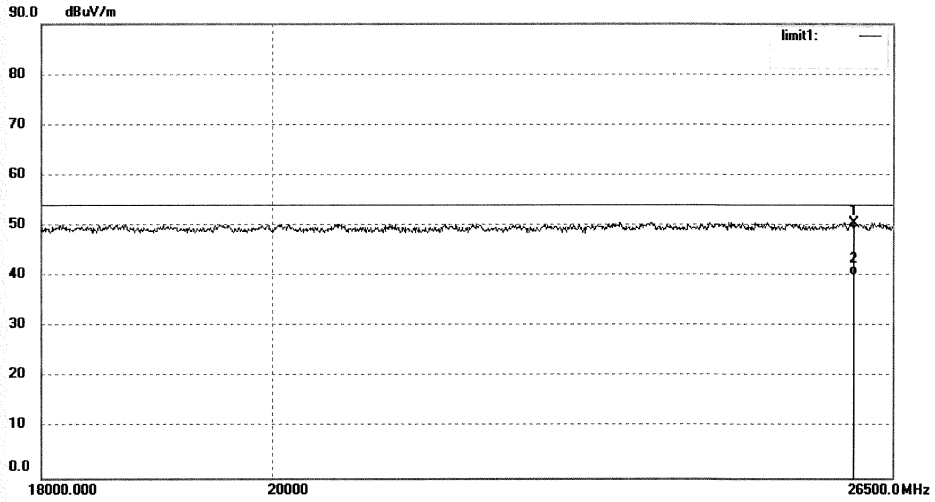
Job No.: lgwade #3339	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26032.693	33.34	17.21	50.55	74.00	-23.45	peak			
2	26032.693	23.02	17.21	40.23	54.00	-13.77	AVG			

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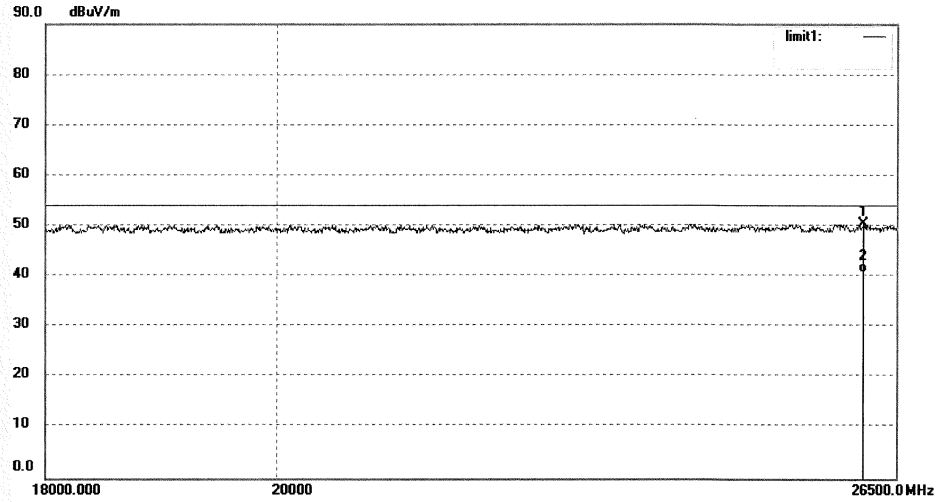
Job No.: lgwade #3341	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2448.393MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26103.270	34.02	16.50	50.52	74.00	-23.48	peak			
2	26103.270	24.28	16.50	40.78	54.00	-13.22	AVG			

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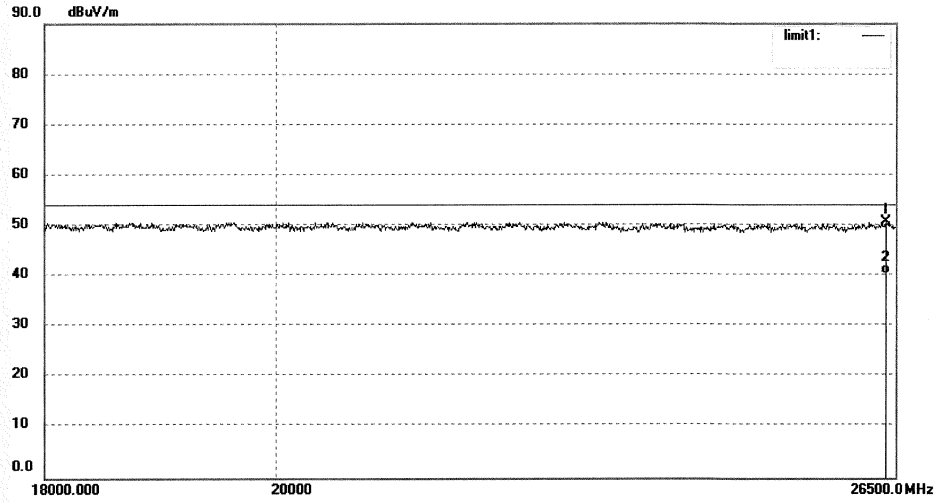
Job No.: lgwade #3342
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: 2.4GHz Wireless remote control wall unit
Mode: TX 2448.393MHz
Model: HC370
Manufacturer: Limoss

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 16/09/06/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26387.495	33.75	16.97	50.72	74.00	-23.28	peak			
2	26387.495	23.38	16.97	40.35	54.00	-13.65	AVG			

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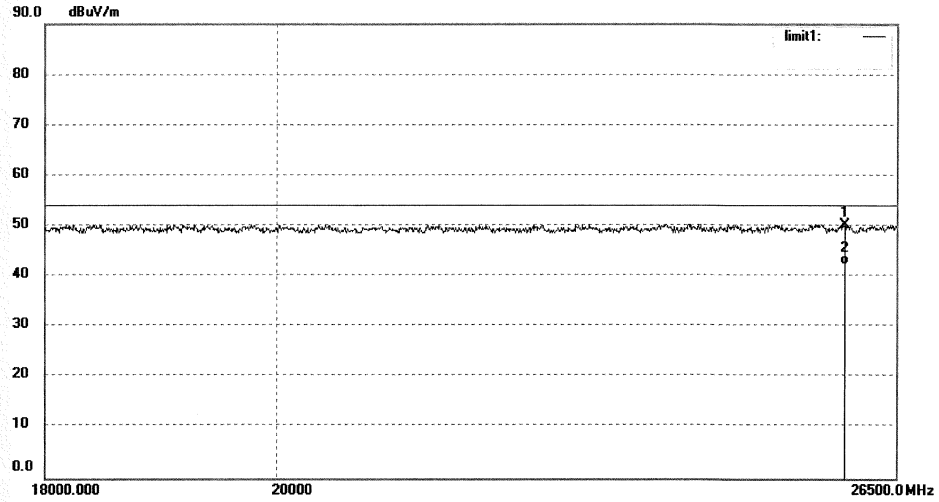
Job No.: Igwade #3344	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25882.099	33.74	16.50	50.24	74.00	-23.76	peak			
2	25882.099	25.91	16.50	42.41	54.00	-11.59	AVG			

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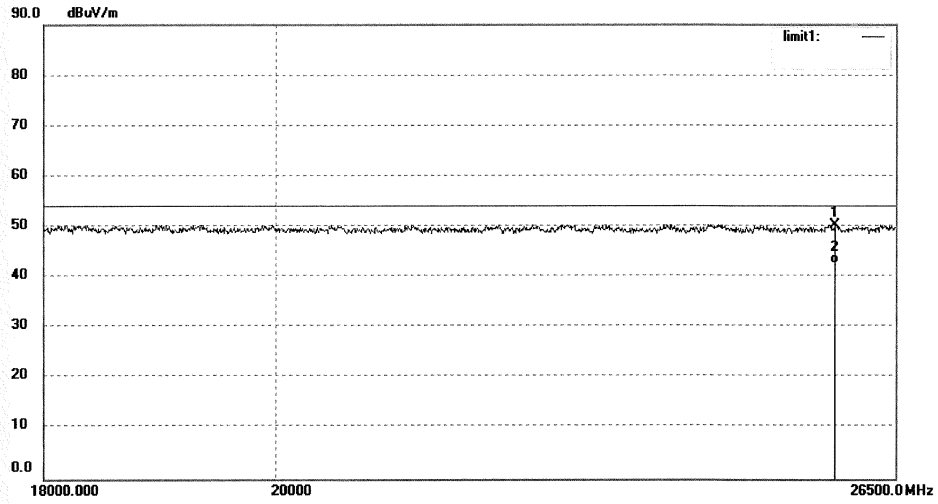
Job No.: lgwade #3343	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25782.188	32.89	17.38	50.27	74.00	-23.73	peak			
2	25782.188	25.19	17.38	42.57	54.00	-11.43	AVG			

Test Plot of Frequency Band Edge

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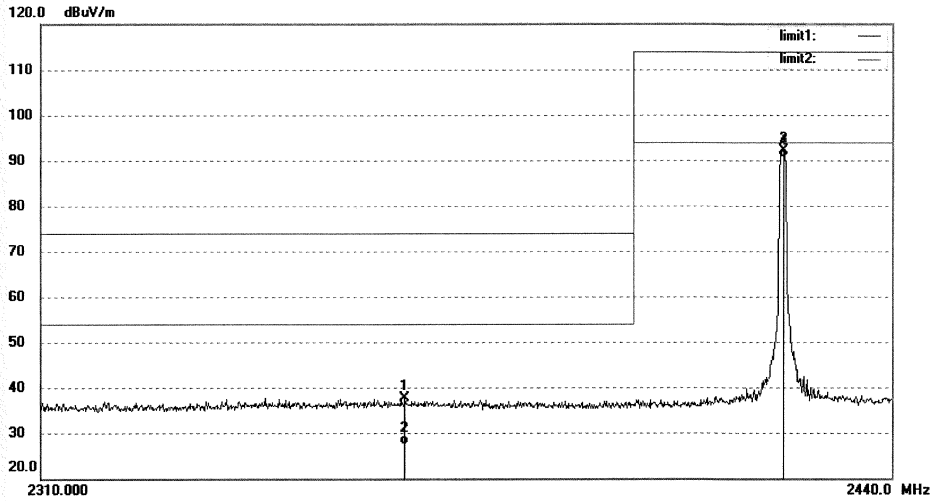
Job No.: lgwade #3332	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/09/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.4GHz Wireless remote control wall unit	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: HC370	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2364.990	45.24	-7.69	37.55	74.00	-36.45	peak			
2	2364.990	35.14	-7.69	27.45	54.00	-26.55	AVG			
3	2423.000	99.59	-7.40	92.19	114.00	-21.81	peak			
4	2423.000	98.09	-7.40	90.69	94.00	-3.31	AVG			

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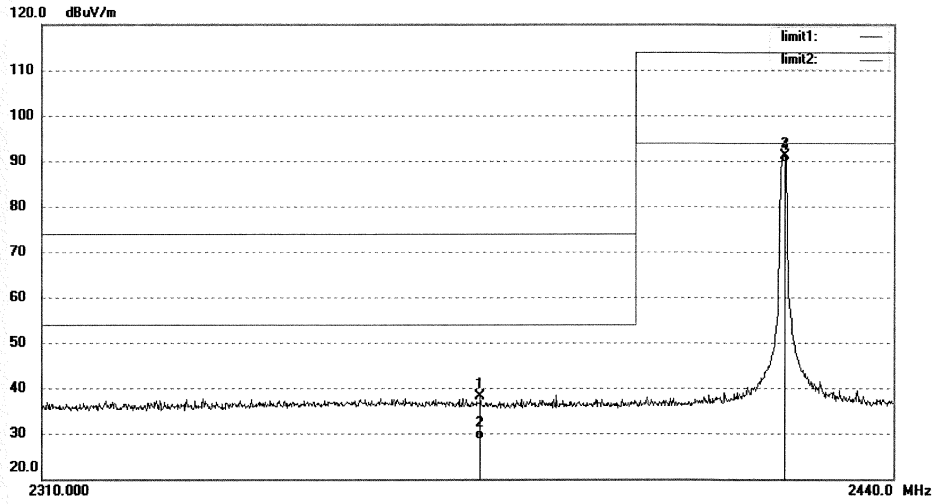
Job No.: lgwade #3331
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: 2.4GHz Wireless remote control wall unit
Mode: TX 2422.999MHz
Model: HC370
Manufacturer: Limoss

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 16/09/06/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2376.430	45.71	-7.61	38.10	74.00	-35.90	peak			
2	2376.430	36.15	-7.61	28.54	54.00	-25.46	AVG			
3	2423.000	98.59	-7.40	91.19	114.00	-22.81	peak			
4	2423.000	97.09	-7.40	89.69	94.00	-4.31	AVG			

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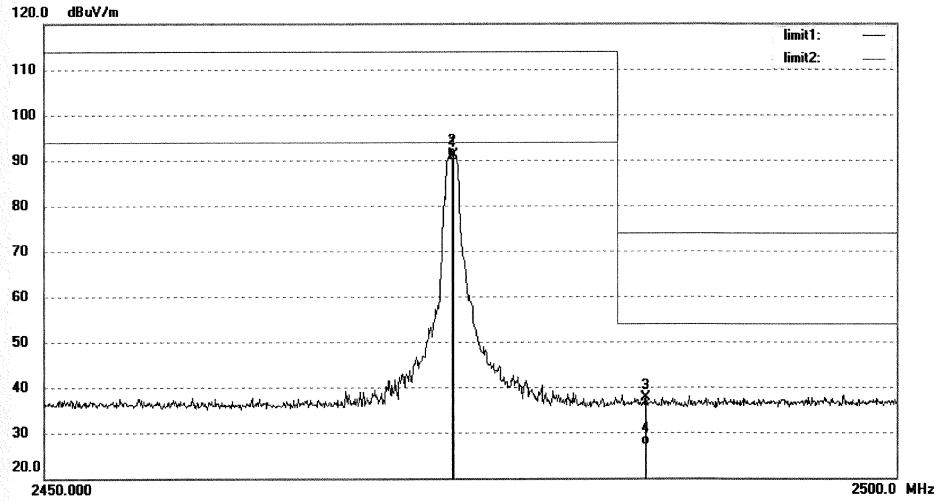
Job No.: lgwade #3337
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: 2.4GHz Wireless remote control wall unit
Mode: TX 2473.987MHz
Model: HC370
Manufacturer: Limoss

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 16/09/06/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2474.000	98.54	-7.37	91.17	114.00	-22.83	peak			
2	2474.000	98.06	-7.37	90.69	94.00	-3.31	AVG			
3	2485.200	45.07	-7.38	37.69	74.00	-36.31	peak			
4	2485.200	34.50	-7.38	27.12	54.00	-26.88	AVG			

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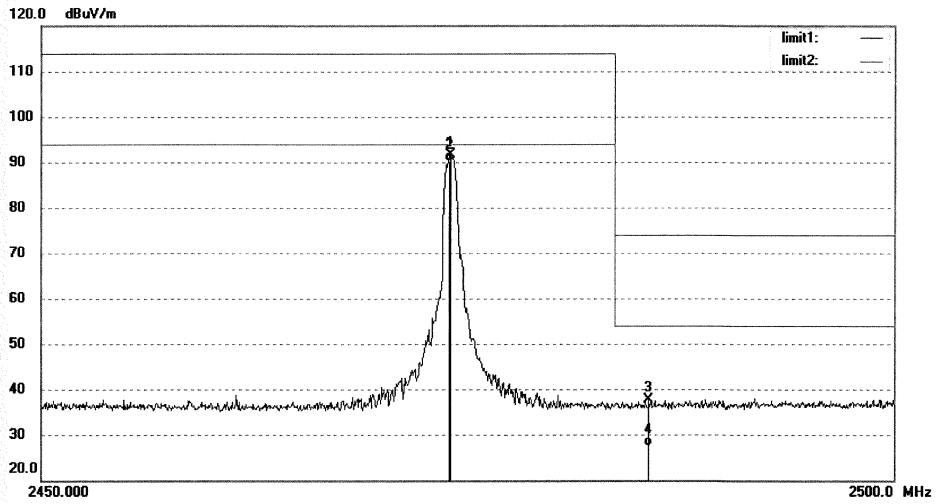
Job No.: lgwade #3338
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: 2.4GHz Wireless remote control wall unit
Mode: TX 2473.987MHz
Model: HC370
Manufacturer: Limoss

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 16/09/06/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2474.000	99.09	-7.37	91.72	114.00	-22.28	peak			
2	2474.000	97.59	-7.37	90.22	94.00	-3.78	AVG			
3	2485.550	45.04	-7.38	37.66	74.00	-36.34	peak			
4	2485.550	34.68	-7.38	27.30	54.00	-26.70	AVG			

5.1.5 Conducted emissions

RESULT: **Pass**

Date of testing	:	2016-09-14
Test standard	:	FCC Part 15.207 RSS-Gen Clause 8.8
Basic standard	:	ANSI C63.10: 2013
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207 Table 3 of RSS-Gen
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A
Earthing	:	Not Connected
Ambient temperature	:	22℃
Relative humidity	:	55%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

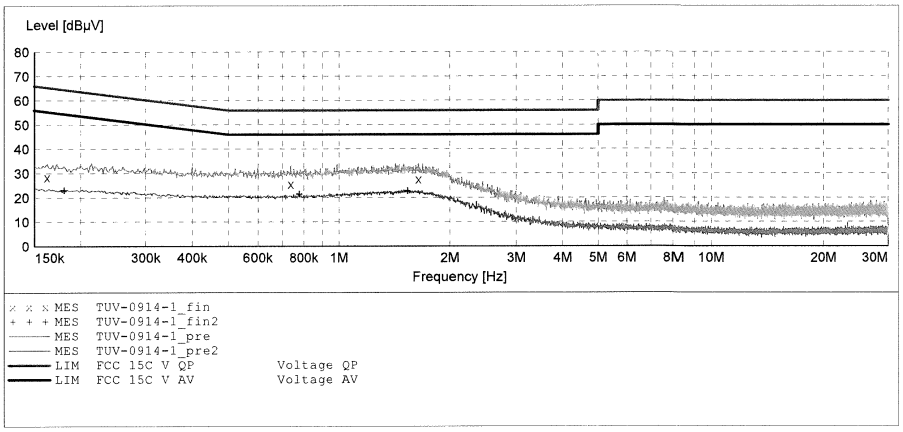
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 C

```
EUT:                  2.4GHz Wireless remote control wall unit M/N:HC370
Manufacturer:         Limoss
Operating Condition:  Transmitting
Test Site:            1#Shielding Room
Operator:             LGWADE
Test Specification:   L 120V/60Hz
Comment:              Mains Port
Start of Test:        2016-9-14 /
```

SCAN TABLE: "V 150K-30MHz fin"

```
  Short Description:            _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width               Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz    LISN(ESH3-Z5)
                                  Average
```



MEASUREMENT RESULT: "TUV-0914-1_fin"

2016-9-14

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.162000	28.40	10.4	65	37.0	QP	L1	GND
0.736000	25.50	11.5	56	30.5	QP	L1	GND
1.648000	27.50	11.6	56	28.5	QP	L1	GND

MEASUREMENT RESULT: "TUV-0914-1_fin2"

2016-9-14

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.180000	22.90	10.5	55	31.6	AV	L1	GND
0.778000	21.40	11.5	46	24.6	AV	L1	GND
1.542000	22.60	11.6	46	23.4	AV	L1	GND

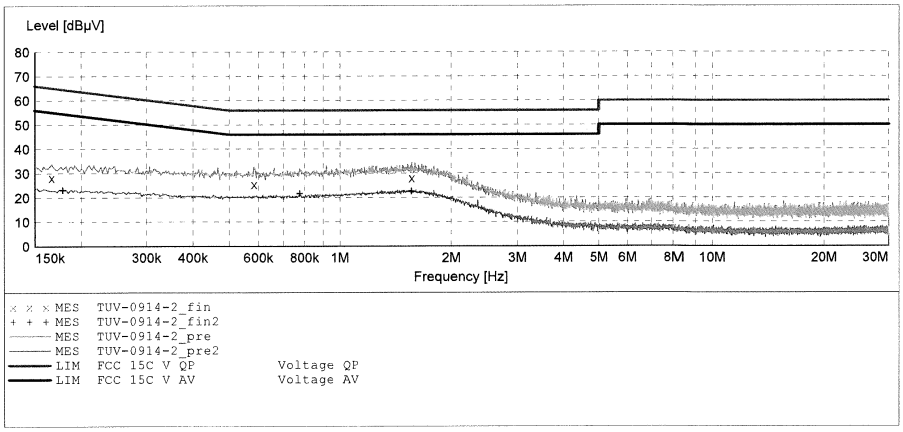
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 C

```
EUT:                  2.4GHz Wireless remote control wall unit M/N:HC370
Manufacturer:         Limoss
Operating Condition:  Transmitting
Test Site:            1#Shielding Room
Operator:             LGWADE
Test Specification:   N 120V/60Hz
Comment:              Mains Port
Start of Test:        2016-9-14 /
```

SCAN TABLE: "V 150K-30MHz fin"

```
  Short Description:                 _SUB_STD_VTERM2 1.70
  Start      Stop       Step        Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width                 Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz     QuasiPeak 1.0 s     9 kHz    LISN(ESH3-Z5)
                                    Average
```



MEASUREMENT RESULT: "TUV-0914-2_fin"

2016-9-14

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.166000	28.20	10.4	65	37.0	QP	N	GND
0.584000	25.40	11.5	56	30.6	QP	N	GND
1.568000	28.00	11.6	56	28.0	QP	N	GND

MEASUREMENT RESULT: "TUV-0914-2_fin2"

2016-9-14

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.178000	23.00	10.5	55	31.6	AV	N	GND
0.776000	21.50	11.5	46	24.5	AV	N	GND
1.566000	22.50	11.6	46	23.5	AV	N	GND

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: **Pass**

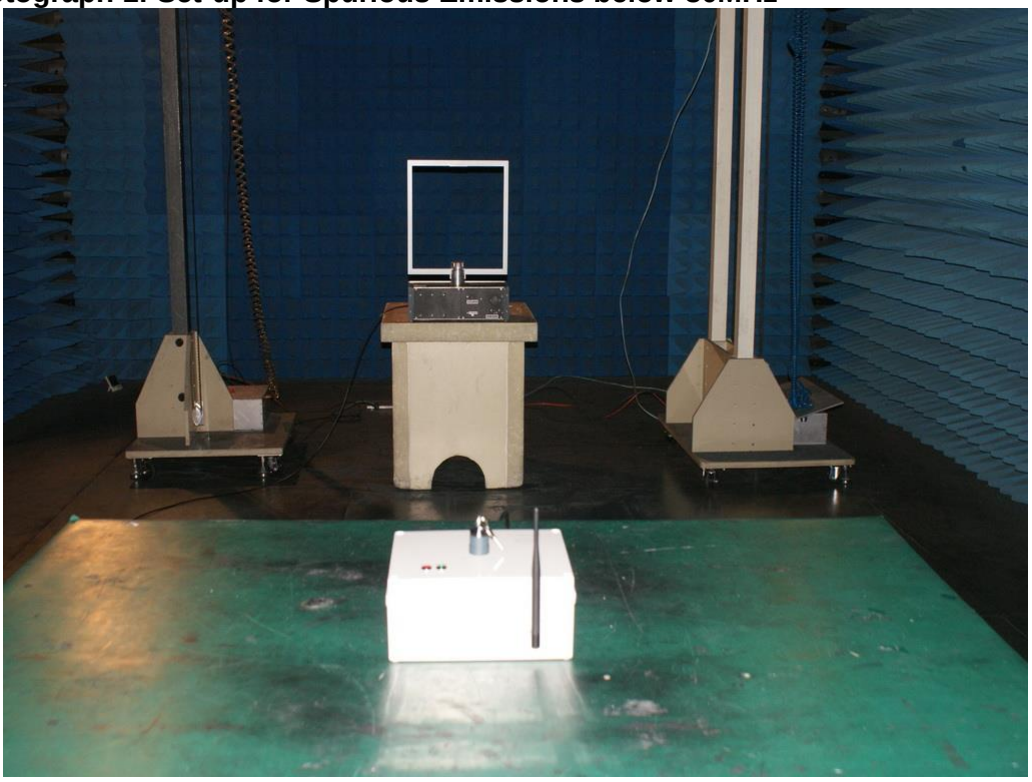
Test standard : RSS-102 Issue 5 March 2015
FCC KDB Publication 447498 D01 v06

The maximum output power of the transmitter is 4.487mW (6.52dBm) only, which less than 309mW. Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 5.

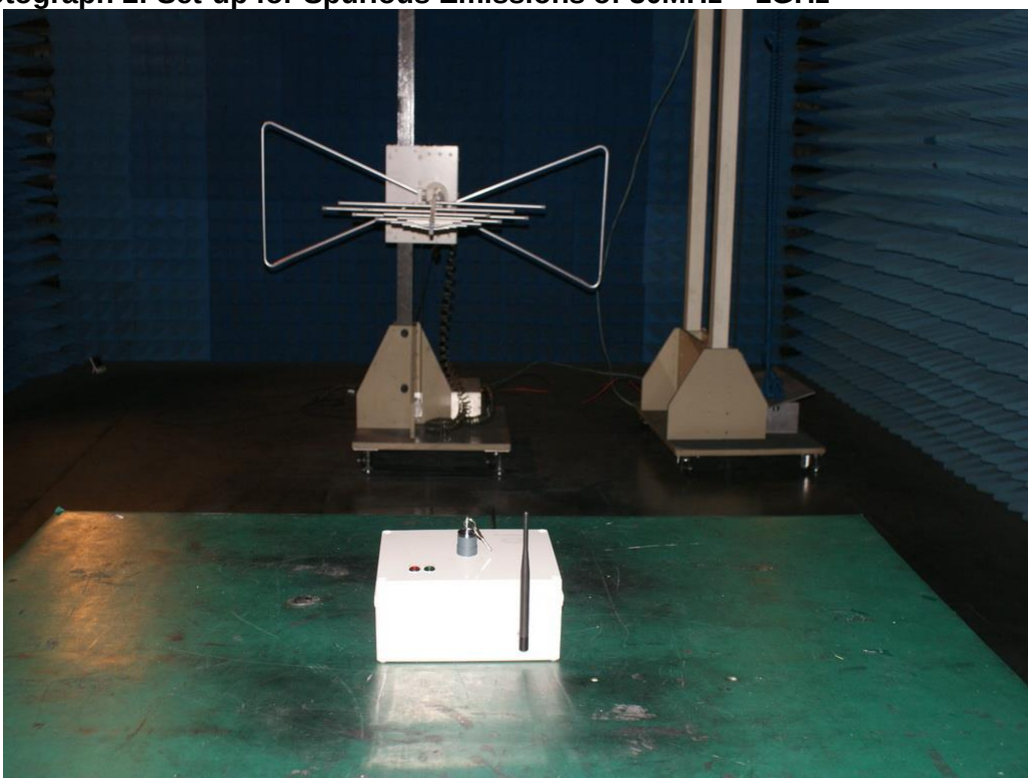
Since maximum output power of the transmitter is 4.487mW<1496mW, and the distance from EUT to human is ≥200mm, hence the EUT is exclueded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.

7. Photographs of the Test Set-Up

Photograph 1: Set-up for Spurious Emissions below 30MHz

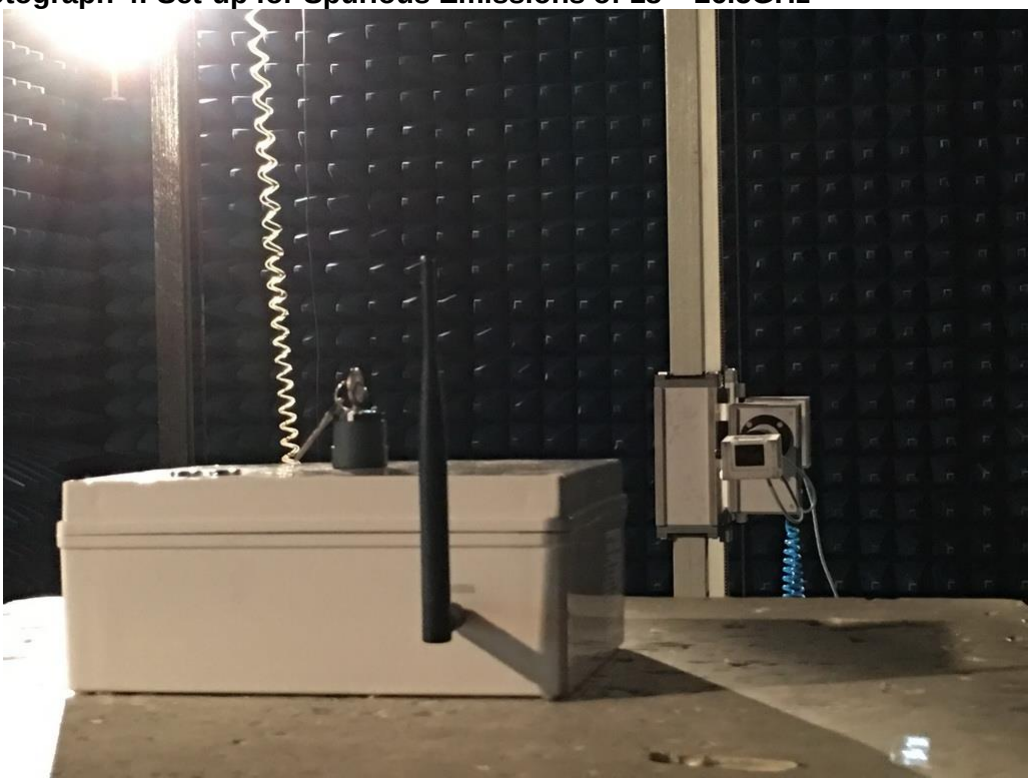


Photograph 2: Set-up for Spurious Emissions of 30MHz – 1GHz

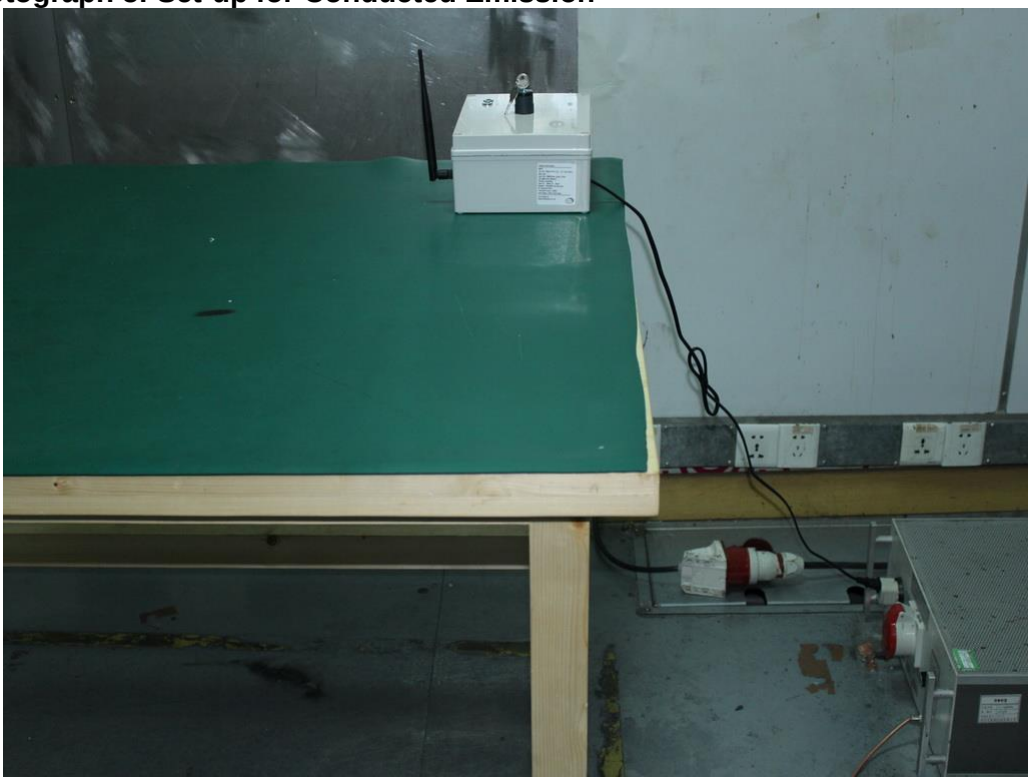


Photograph 3: Set-up for Spurious Emissions of 1 – 18GHz

Photograph 4: Set-up for Spurious Emissions of 18 – 26.5GHz



Photograph 5: Set-up for Conducted Emission



8. List of Tables

9. List of Photographs