

<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	<b>50087955 001</b>	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	<b>164088832</b>	<b>Seite 1 von 64</b> <i>Page 1 of 64</i>
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	<b>N/A</b>	<b>Auftragsdatum:</b> <i>Order date:</i>	<b>23.03.2017</b>	
<b>Auftraggeber:</b> <i>Client:</i>	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			
<b>Prüfgegenstand:</b> <i>Test item:</i>	Cinema Control System Wall Unit			
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	HC371 (limoss)			
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	FCC/IC Certification			
<b>Prüfgrundlage:</b> <i>Test specification:</i>	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 9 August 2016 FCC KDB Publication 447498 D01 v06	
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	23.03.2017			
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	1700949, 1700950			
<b>Prüfzeitraum:</b> <i>Testing period:</i>	29.03.2017 - 08.06.2017			
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	Accurate Technology Co., Ltd.			
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
<b>Prüfergebnis*:</b> <i>Test result*:</i>	Pass			
<b>geprüft von / tested by:</b>		<b>kontrolliert von / reviewed by:</b>		
22.06.2017 Andy Yan / Project Manager		22.06.2017 Owen Tian / Technical Certifier		
<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>
<b>Sonstiges / Other:</b>				
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>		<b>Prüfmuster vollständig und unbeschädigt</b> <i>Test item complete and undamaged</i>		
<p>* 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</p> <p>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</p>				
<p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b>  <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>				

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*Test Report No.*

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## 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*

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## 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
<b>Transmitter spurious emissions</b>				
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2018-01-09
Test Receiver	Rohde & Schwarz	ESCS30	100307	2018-01-09
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2018-01-09
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2018-01-09
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2018-01-09
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2018-01-09
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	2018-01-09
Pre-Amplifier	Rohde&Schwarz	CBLU11835 40-01	3791	2018-01-09
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2018-01-09
RF Coaxial Cable	SUHNER	N-3m	No.8	2018-01-09
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2018-01-09
RF Coaxial Cable	SUHNER	N-6m	No.10	2018-01-09
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2018-01-09
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2018-01-09
<b>Radio Spectrum Test</b>				
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2018-01-09
Vector Signal Generator	Rohde & Schwarz	SMBV100A	260434	2018-01-09
Signal Generator	Rohde & Schwarz	SMB100A	108362	2018-01-09
Open Switch and Control Unit	Rohde & Schwarz	OSP120 + OSP-B157	101244 + 100866	2018-01-09
<b>Conducted Emission</b>				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2018-01-06
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2018-01-06
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2018-01-06
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2018-01-06
Voltage Probe	Schwarzbeck	TK9416	N/A	2018-01-06
RF Current Probe	Rohde & Schwarz	EZ-17	100048	2018-01-06
8-Wire Impedance Stabilisation Network	Schwarzbeck	CAT5 8158	8158-0035	2018-01-06
RF Coaxial Cable	Suhner	N-2m	No.2	2018-01-06
RF Coaxial Cable	Suhner	N-2m	No.3	2018-01-06
RF Coaxial Cable	Suhner	N-2m	No.14	2018-01-06

## 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 basis using in house standards or comparisons.

## 2.5 Measurement Uncertainty

**Table 2: Measurement Uncertainty**

Parameter	Uncertainty
Radio Spectrum	$< \pm 0.60$ dB
Radiated emission of transmitter, valid up to 26.5 GHz	$< \pm 4.42$ dB
Conducted Emission	$< \pm 2.23$ dB
Radiated Emission	$< \pm 4.42$ 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	HC371
FCC ID	2AH9H-HC371
IC	21543-HC371
HVIN	HC371
Operating Frequency Band	2400MHz ~ 2483.5MHz
Operating Frequency	2422.999MHz, 2448.393MHz, 2473.987MHz
Number of Channel	3
Extreme Temperature Range	0~+40°C
Operation Voltage	DC 30V
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.

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### 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

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	Rating
AC/DC adapter	limoss	MC120-29V 2A	Input: AC 100-240V, 50/60Hz; 1.6A; Output: DC 29V, 2.0A

### 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

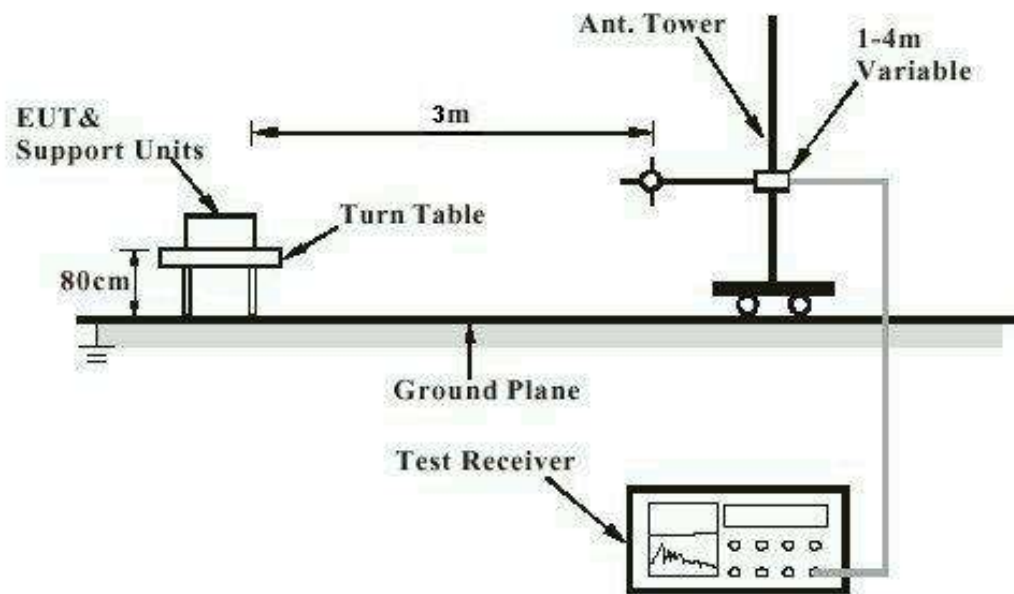
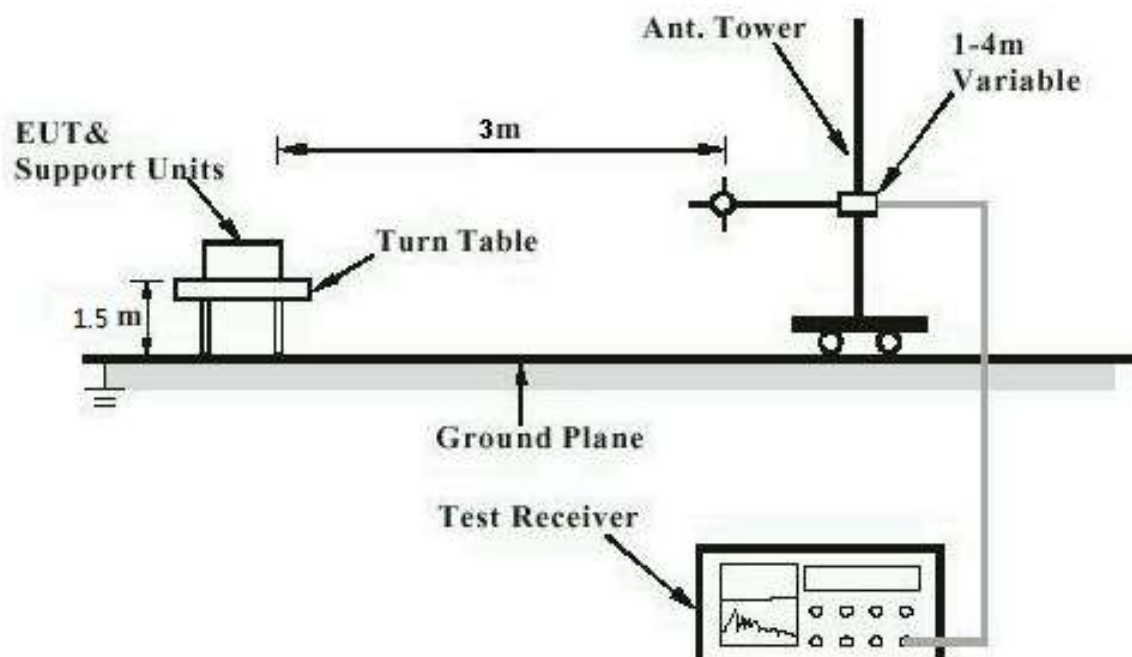
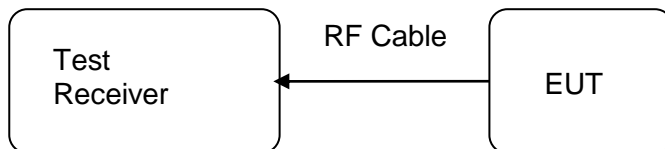


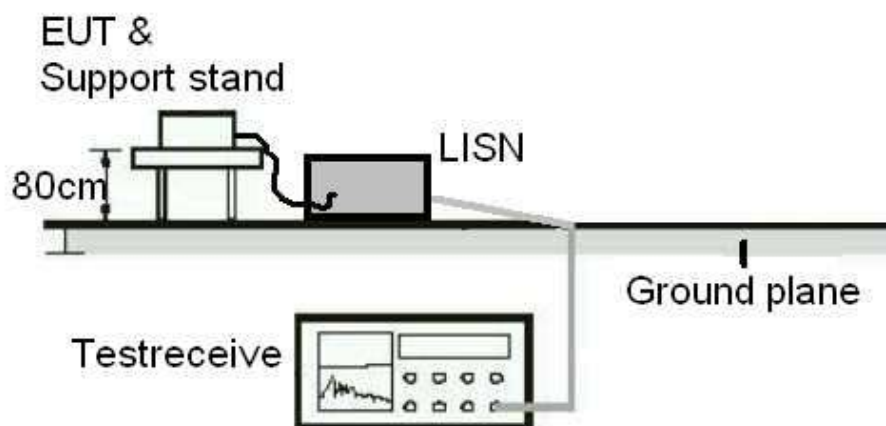
Diagram of Measurement Configuration for Radiation Test for above 1GHz



### 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 external antenna with Reverse SMA connector, 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 : 2017-06-05  
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**

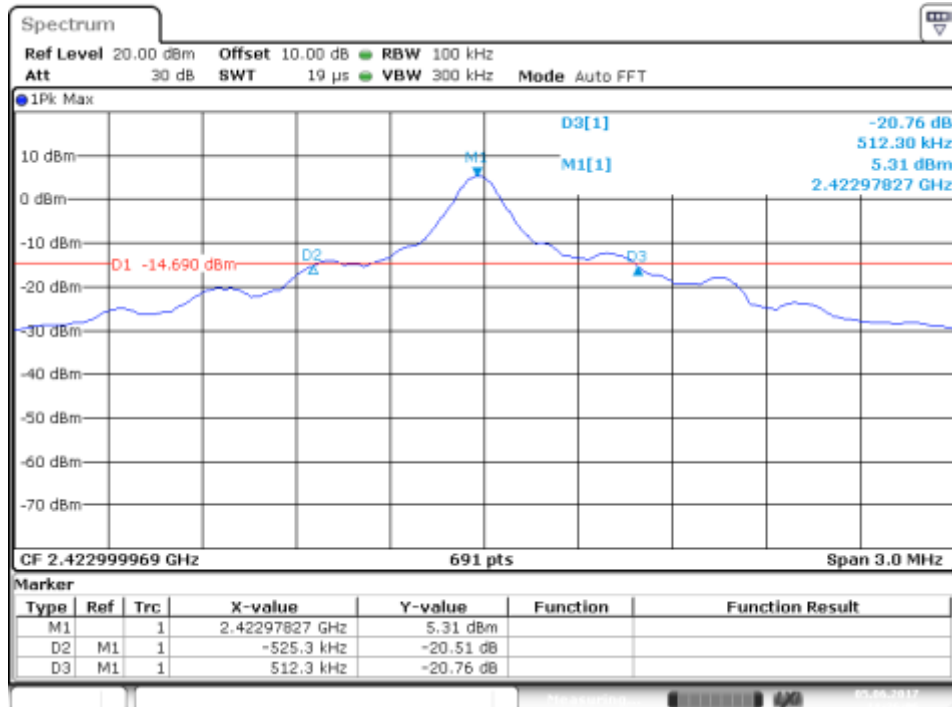
Test Channel : Low/ Middle/ High  
Operation Mode : A.1  
Ambient temperature : 21°C  
Relative humidity : 60%  
Atmospheric pressure : 101kPa

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

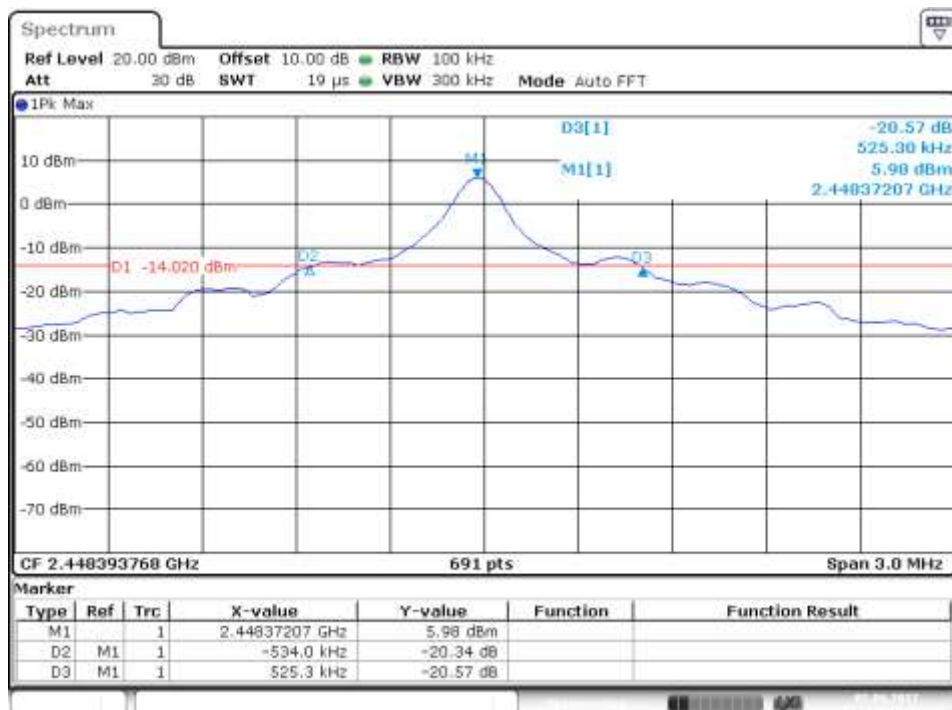
Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2422.999	1.038	1.437
Mid Channel	2448.393	1.059	1.541
High Channel	2473.987	1.120	1.572

For details refer to following test plot.

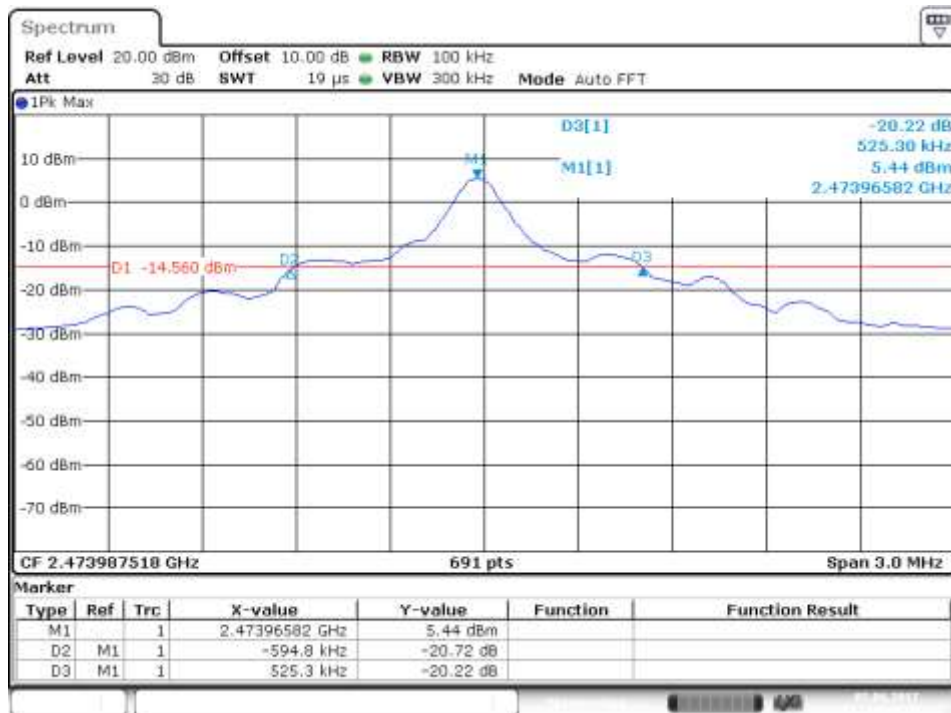
## Test Plot of 20dB Bandwidth



Date: 5.JUN.2017 11:26:07

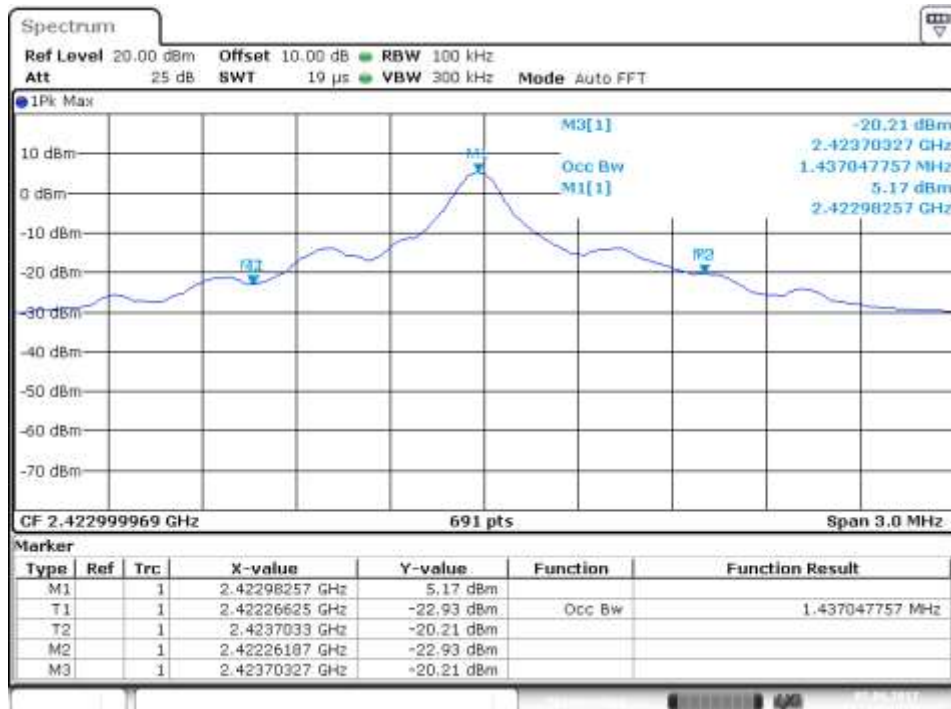


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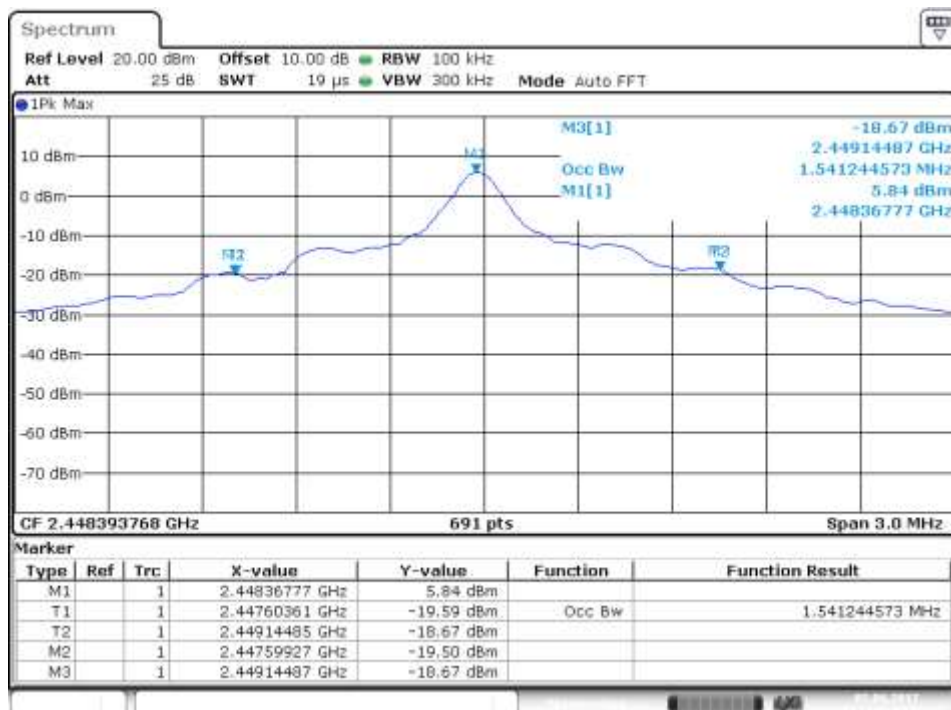


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## Test Plot of 99% Bandwidth

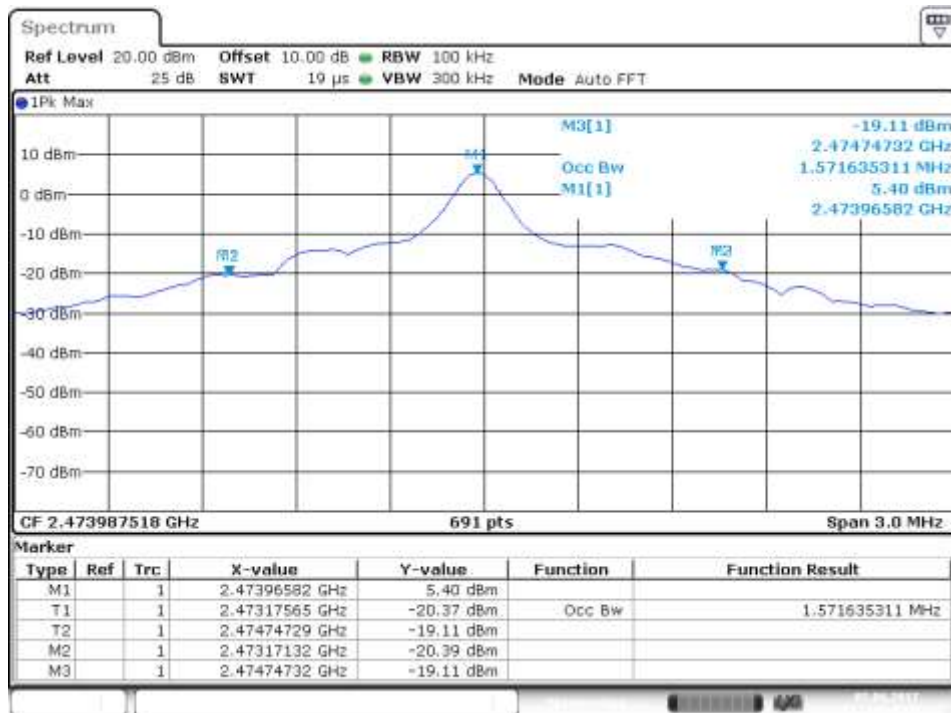


Date: 5.JUN.2017 11:14:59



Date: 5.JUN.2017 11:16:57





Date: 5.JUN.2017 11:18:35




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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2432

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2422.999969MHz

Model: HC371

Manufacturer: Limoss

Polarization: Horizontal

Power Source: AC 120V/60Hz

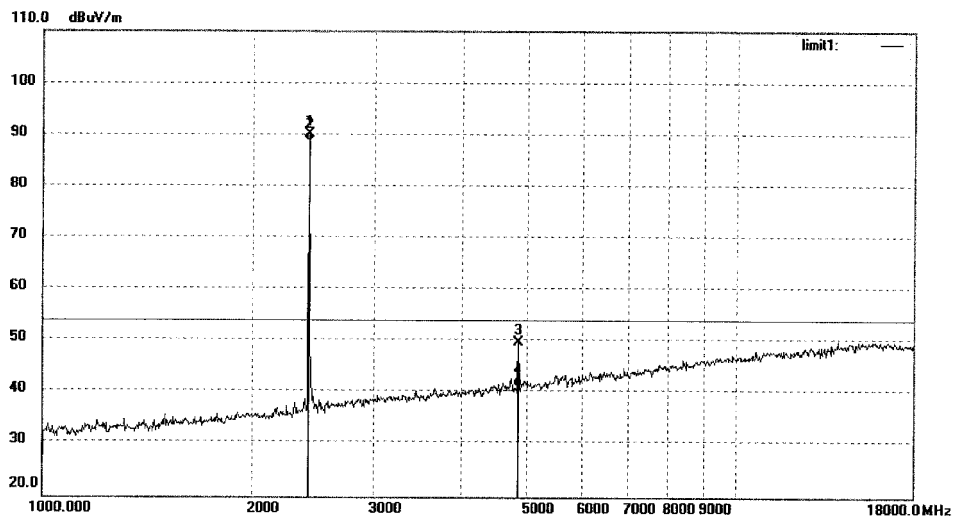
Date: 17/05/27/

Time:

Engineer Signature: WADE

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	91.58	-1.52	90.06	114.00	-23.94	peak			
2	2422.999	90.18	-1.52	88.66	94.00	-5.34	AVG			
3	4846.010	44.61	5.28	49.89	74.00	-24.11	peak			
4	4846.010	36.07	5.28	41.35	54.00	-12.65	AVG			


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Job No.: LGW2017 #2433

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2422.999969MHz

Model: HC371

Manufacturer: Limoss

Polarization: Vertical

Power Source: AC 120V/60Hz

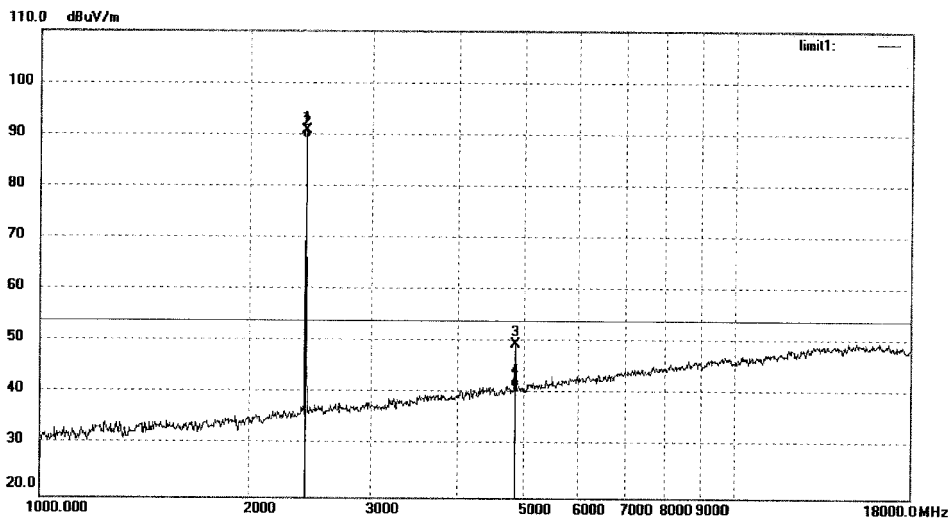
Date: 17/05/27/

Time:

Engineer Signature: WADE

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	92.19	-1.52	90.67	114.00	-23.33	peak			
2	2422.999	90.79	-1.52	89.27	94.00	-4.73	AVG			
3	4845.996	44.40	5.28	49.68	74.00	-24.32	peak			
4	4845.996	36.07	5.28	41.35	54.00	-12.65	AVG			


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

Job No.: LGW2017 #2436

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/05/27/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: Cinema Control System Wall Unit

Engineer Signature: WADE

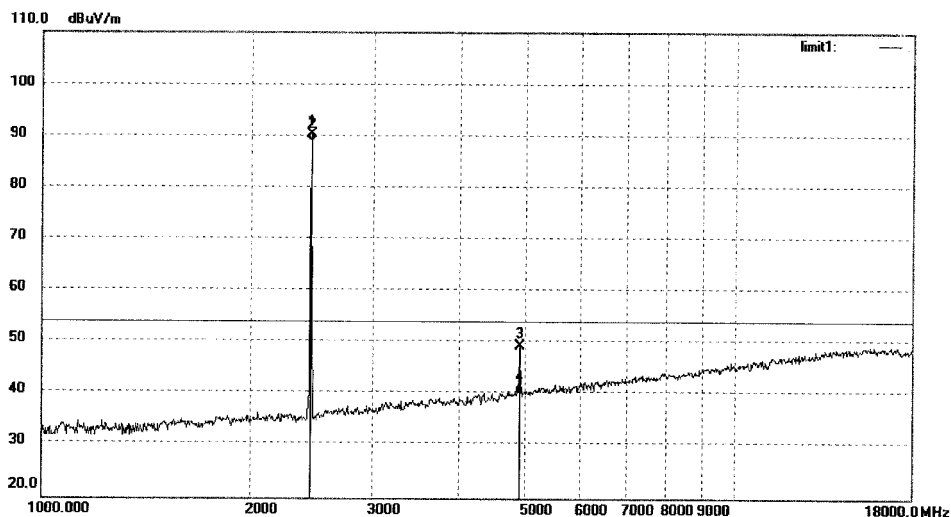
Mode: TX 2448.393768MHz

Distance: 3m

Model: HC371

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	91.72	-1.42	90.30	114.00	-23.70	peak			
2	2448.393	90.32	-1.42	88.90	94.00	-5.10	AVG			
3	4896.780	43.54	5.74	49.28	74.00	-24.72	peak			
4	4896.780	34.50	5.74	40.24	54.00	-13.76	AVG			


**ACCURATE TECHNOLOGY CO., LTD.**

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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2437

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2448.393768MHz

Model: HC371

Manufacturer: Limoss

Polarization: Vertical

Power Source: AC 120V/60Hz

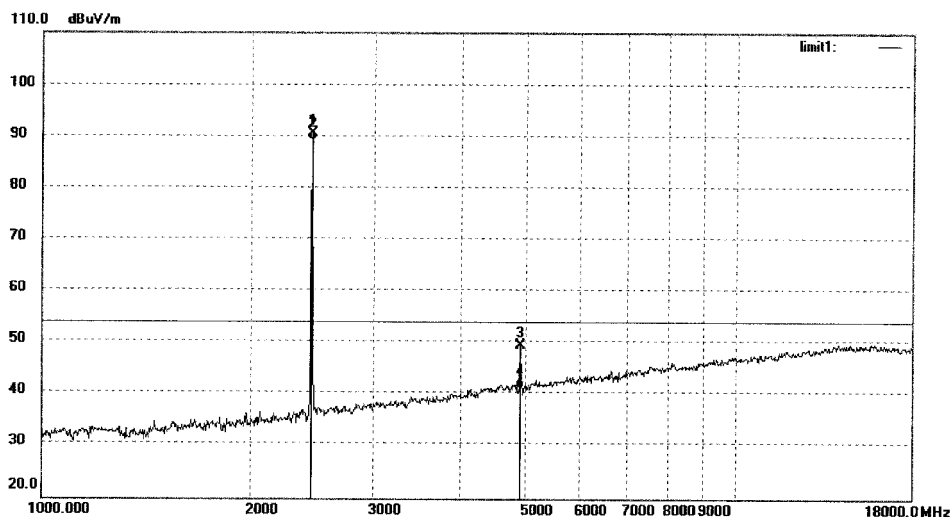
Date: 17/05/27/

Time:

Engineer Signature: WADE

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	92.05	-1.42	90.63	114.00	-23.37	peak			
2	2448.393	90.65	-1.42	89.23	94.00	-4.77	AVG			
3	4896.793	43.75	5.74	49.49	74.00	-24.51	peak			
4	4896.793	35.51	5.74	41.25	54.00	-12.75	AVG			


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2439

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2473.987518MHz

Model: HC371

Manufacturer: Limoss

Polarization: Horizontal

Power Source: AC 120V/60Hz

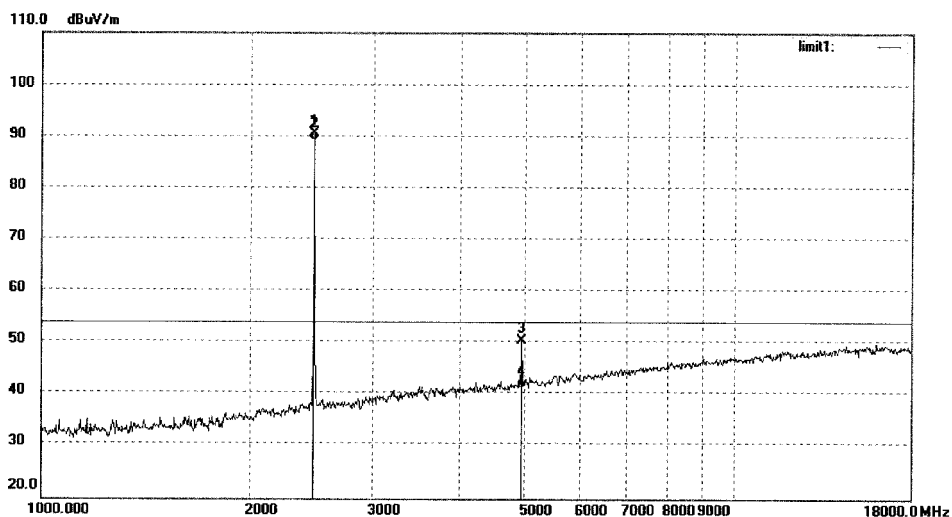
Date: 17/05/31/

Time:

Engineer Signature: WADE

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	91.92	-1.41	90.51	114.00	-23.49	peak			
2	2473.987	90.52	-1.41	89.11	94.00	-4.89	AVG			
3	4947.989	44.35	6.03	50.38	74.00	-23.62	peak			
4	4947.989	35.22	6.03	41.25	54.00	-12.75	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2438

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2473.987518MHz

Model: HC371

Manufacturer: Limoss

Polarization: Vertical

Power Source: AC 120V/60Hz

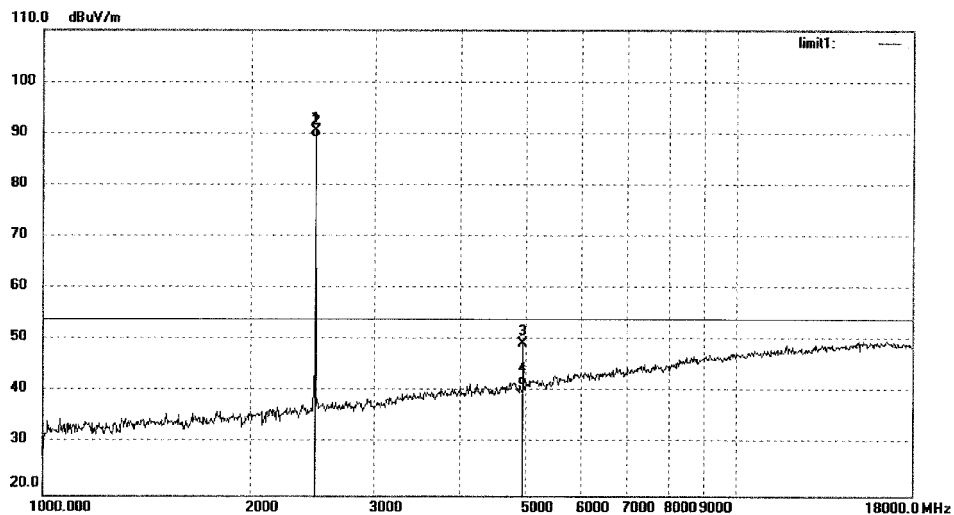
Date: 17/05/31/

Time:

Engineer Signature: WADE

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	91.90	-1.41	90.49	114.00	-23.51	peak			
2	2473.987	90.50	-1.41	89.09	94.00	-4.91	AVG			
3	4947.966	43.23	6.03	49.26	74.00	-24.74	peak			
4	4947.966	35.22	6.03	41.25	54.00	-12.75	AVG			



**5.1.4 Radiated emissions outside of the band****RESULT:****Pass**

Date of testing	:	2017-05-27 to 2017-06-08
Test standard	:	FCC Part 15.209(a) FCC Part 15.249(d) RSS-210 Clause B10(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°C
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

## Test Plot of Radiated emissions outside band

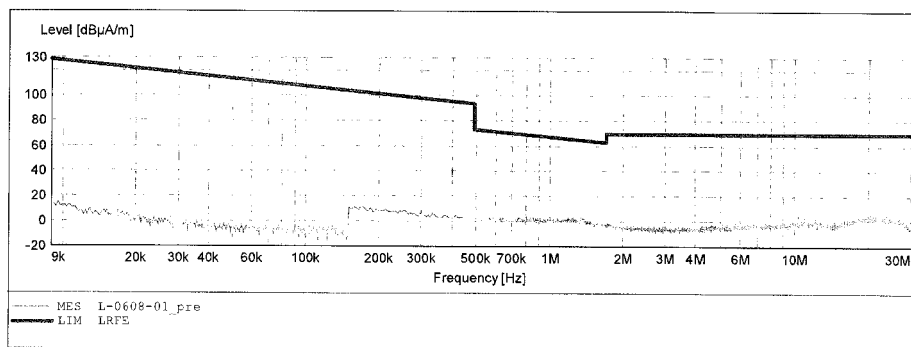
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Class B 3M Radiated**

EUT: Cinema Control System Wall Unit M/N:HC371  
 Manufacturer: Limoss  
 Operating Condition: TX 2422.999969MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: AC 120V/60Hz  
 Comment: X  
 Start of Test: 2017-06-08 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB_STD_VTERM2 1.70			
Start	Stop	Step	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



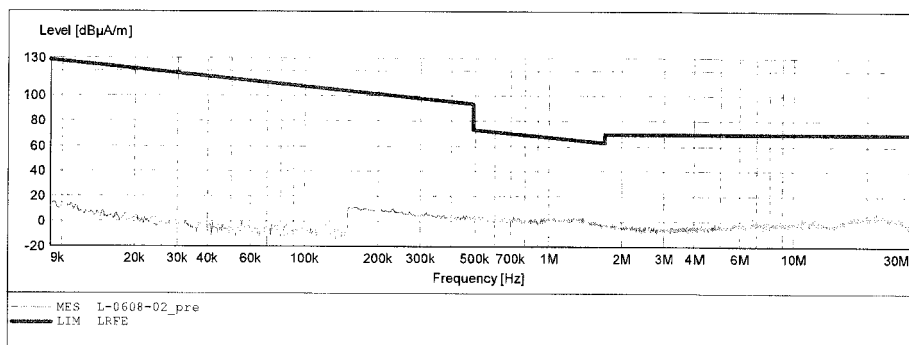
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Class B 3M Radiated**

EUT: Cinema Control System Wall Unit M/N:HC371  
 Manufacturer: Limoss  
 Operating Condition: TX 2422.999969MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: AC 120V/60Hz  
 Comment: Y  
 Start of Test: 2017-06-08 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB STD_VTERM2 1.70			
Start	Stop	Step	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



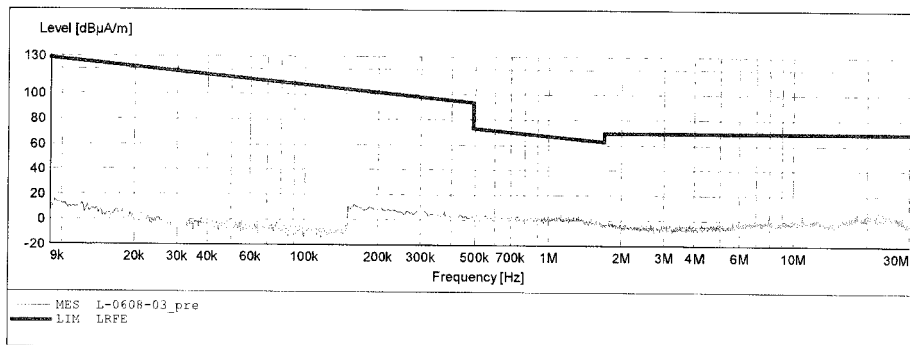
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Class B 3M Radiated**

EUT: Cinema Control System Wall Unit M/N:HC371  
 Manufacturer: Limoss  
 Operating Condition: TX 2422.999969MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: AC 120V/60Hz  
 Comment: Z  
 Start of Test: 2017-06-08 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD VTERM2 1.70			
Start	Stop	Step	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



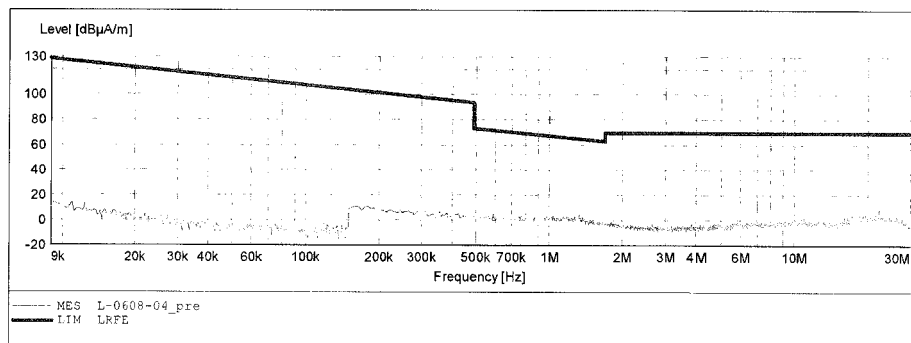
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Class B 3M Radiated**

EUT: Cinema Control System Wall Unit M/N:HC371  
 Manufacturer: Limoss  
 Operating Condition: TX 2448.393768MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: AC 120V/60Hz  
 Comment: X  
 Start of Test: 2017-06-08 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
Frequency 9.0 kHz	Frequency 150.0 kHz	Width 100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
Frequency 150.0 kHz	Frequency 30.0 MHz	Width 5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



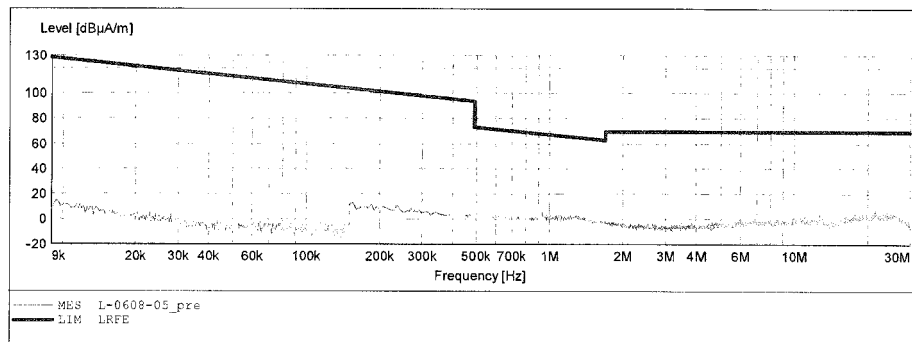
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Class B 3M Radiated**

EUT: Cinema Control System Wall Unit M/N:HC371  
 Manufacturer: Limoss  
 Operating Condition: TX 2448.393768MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: AC 120V/60Hz  
 Comment: Y  
 Start of Test: 2017-06-08 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	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



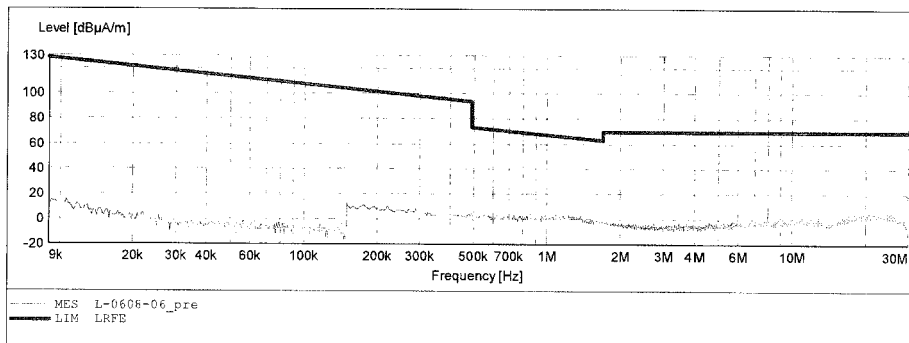
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Class B 3M Radiated**

EUT: Cinema Control System Wall Unit M/N:HC371  
 Manufacturer: Limoss  
 Operating Condition: TX 2448.393768MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: AC 120V/60Hz  
 Comment: Z  
 Start of Test: 2017-06-08 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	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



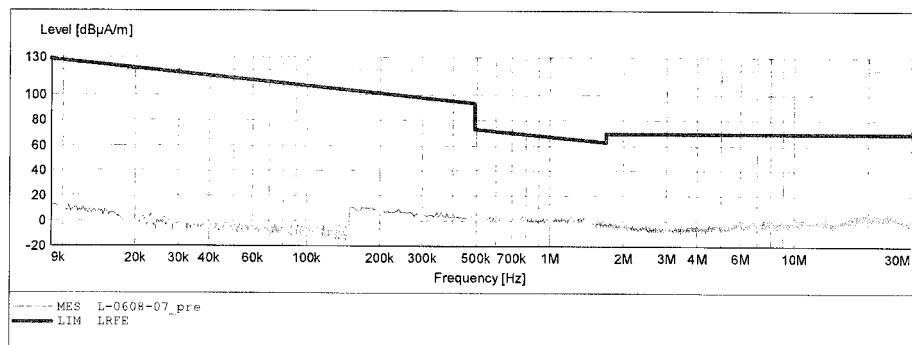
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Class B 3M Radiated**

EUT: Cinema Control System Wall Unit M/N:HC371  
 Manufacturer: Limoss  
 Operating Condition: TX 2473.987518MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: AC 120V/60Hz  
 Comment: X  
 Start of Test: 2017-06-08 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	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





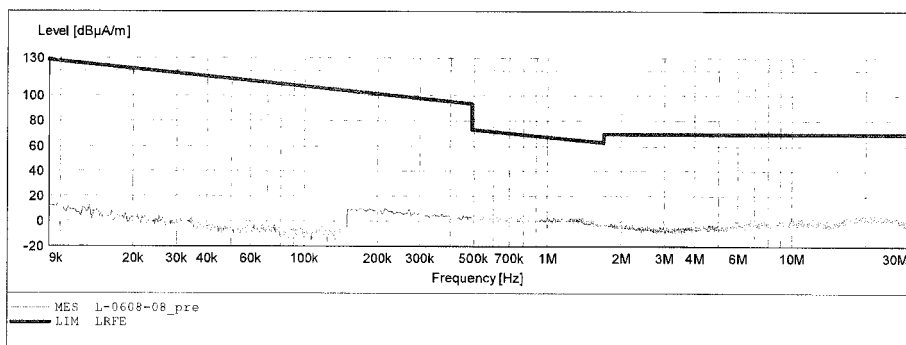
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Class B 3M Radiated**

EUT: Cinema Control System Wall Unit M/N:HC371  
 Manufacturer: Limoss  
 Operating Condition: TX 2473.987518MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: AC 120V/60Hz  
 Comment: Y  
 Start of Test: 2017-06-08 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD_VTERM2 1.70			
Start	Stop	Step	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



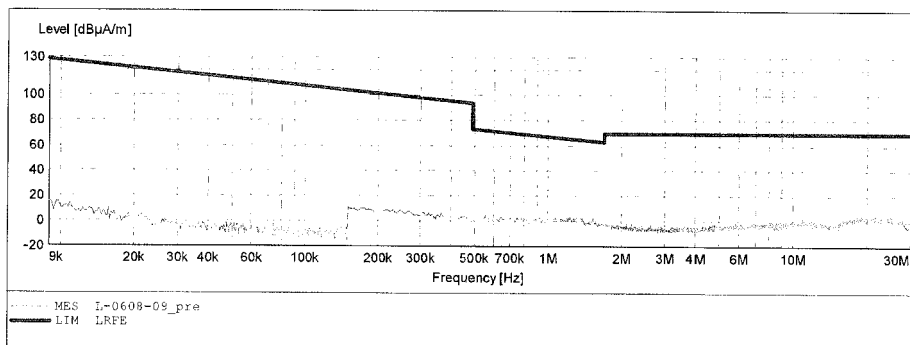
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Class B 3M Radiated**

EUT: Cinema Control System Wall Unit M/N:HC371  
 Manufacturer: Limoss  
 Operating Condition: TX 2473.987518MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: AC 120V/60Hz  
 Comment: Z  
 Start of Test: 2017-06-08 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	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




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Fax:+86-0755-26503396

Job No.: LGW2017 #2491

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/05/31/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: Cinema Control System Wall Unit

Engineer Signature: WADE

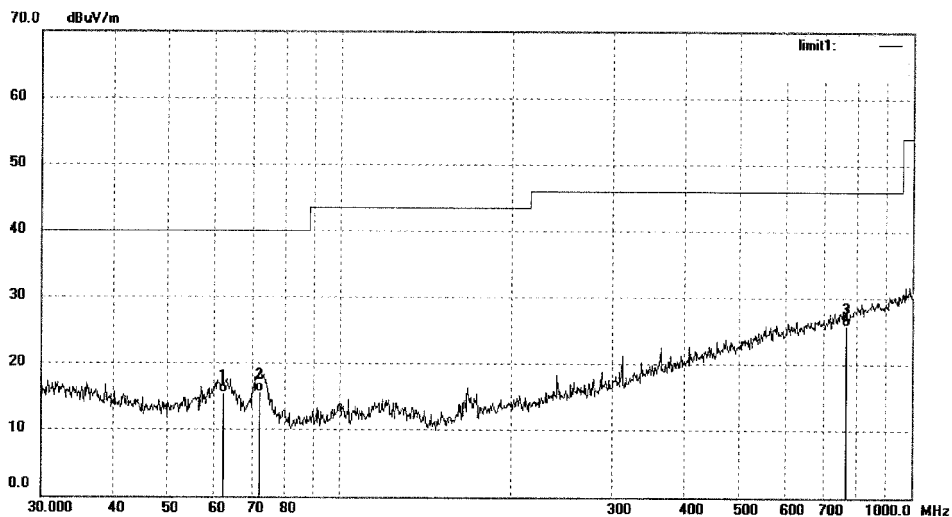
Mode: TX 2422.999969MHz

Distance: 3m

Model: HC371

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	62.2128	30.11	-14.70	15.41	40.00	-24.59	QP			
2	72.0841	32.09	-16.34	15.75	40.00	-24.25	QP			
3	766.0571	25.74	-0.01	25.73	46.00	-20.27	QP			


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Job No.: LGW2017 #2490

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/05/31/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: Cinema Control System Wall Unit

Engineer Signature: WADE

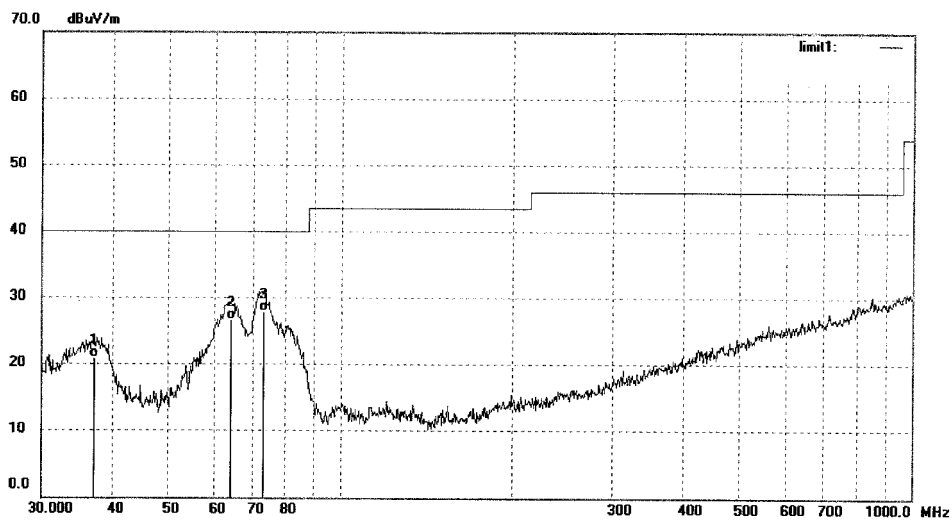
Mode: TX 2422.999969MHz

Distance: 3m

Model: HC371

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	37.0248	31.81	-10.86	20.95	40.00	-19.05	QP			
2	63.9827	42.07	-15.33	26.74	40.00	-13.26	QP			
3	73.1025	44.48	-16.48	28.00	40.00	-12.00	QP			


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Job No.: LGW2017 #2492

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/05/31/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: Cinema Control System Wall Unit

Engineer Signature: WADE

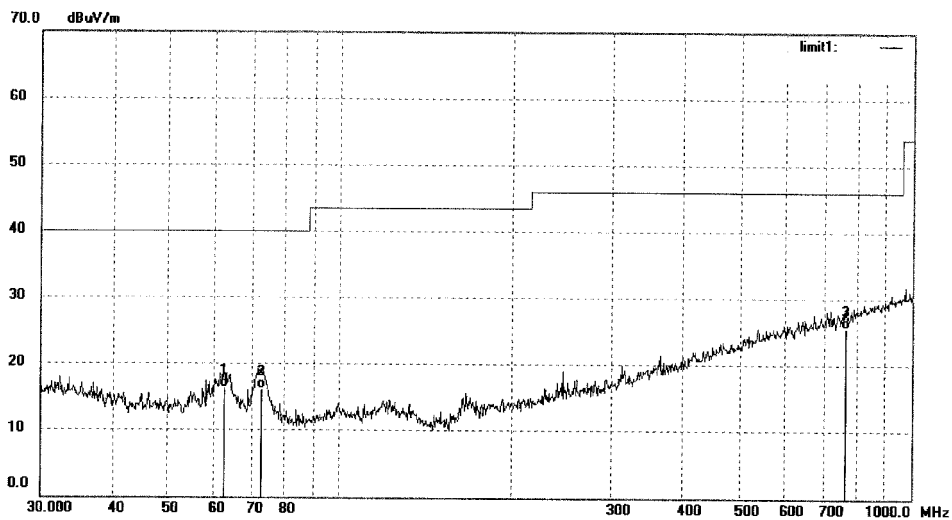
Mode: TX 2448.393768MHz

Distance: 3m

Model: HC371

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	62.6507	31.23	-14.86	16.37	40.00	-23.63	QP			
2	72.5916	32.58	-16.40	16.18	40.00	-23.82	QP			
3	763.3757	25.74	-0.05	25.69	46.00	-20.31	QP			


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Fax:+86-0755-26503396

Job No.: LGW2017 #2493

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2448.393768MHz

Model: HC371

Manufacturer: Limoss

Polarization: Vertical

Power Source: AC 120V/60Hz

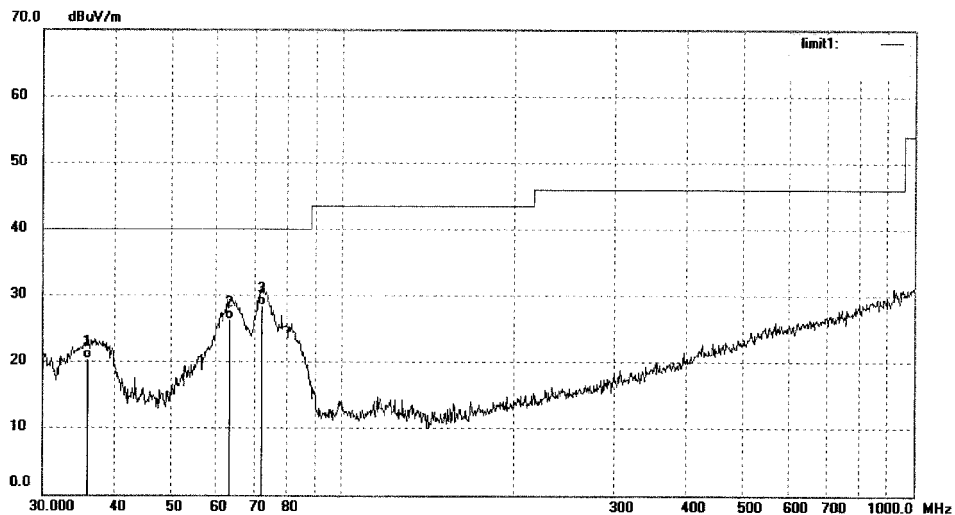
Date: 17/05/31/

Time:

Engineer Signature: WADE

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	35.8746	30.95	-10.61	20.34	40.00	-19.66	QP			
2	63.0915	41.33	-15.01	26.32	40.00	-13.68	QP			
3	72.0841	44.81	-16.34	28.47	40.00	-11.53	QP			


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Job No.: LGW2017 #2495

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2473.987518MHz

Model: HC371

Manufacturer: Limoss

Polarization: Horizontal

Power Source: AC 120V/60Hz

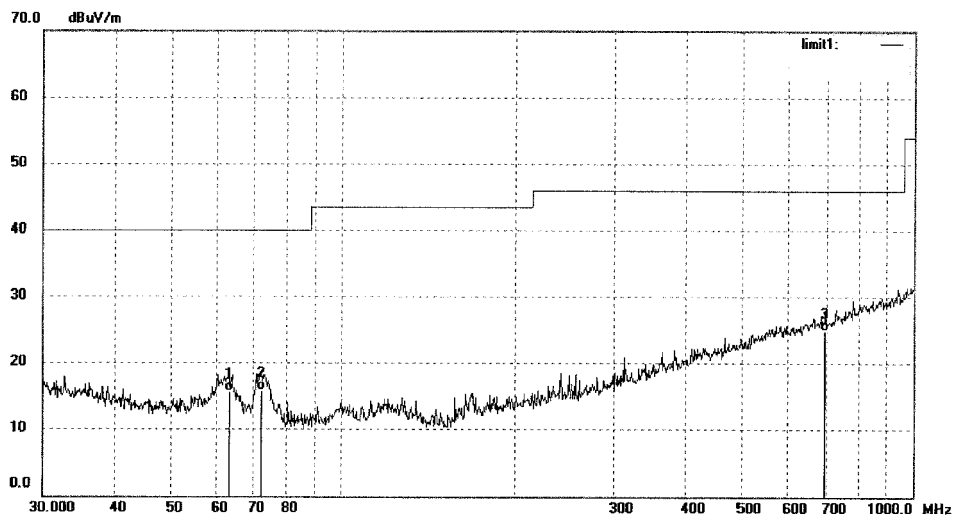
Date: 17/05/31/

Time:

Engineer Signature: WADE

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	63.0915	30.76	-15.01	15.75	40.00	-24.25	QP			
2	72.0841	32.13	-16.34	15.79	40.00	-24.21	QP			
3	696.8567	26.05	-1.15	24.90	46.00	-21.10	QP			


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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2494

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2473.987518MHz

Model: HC371

Manufacturer: Limoss

Polarization: Vertical

Power Source: AC 120V/60Hz

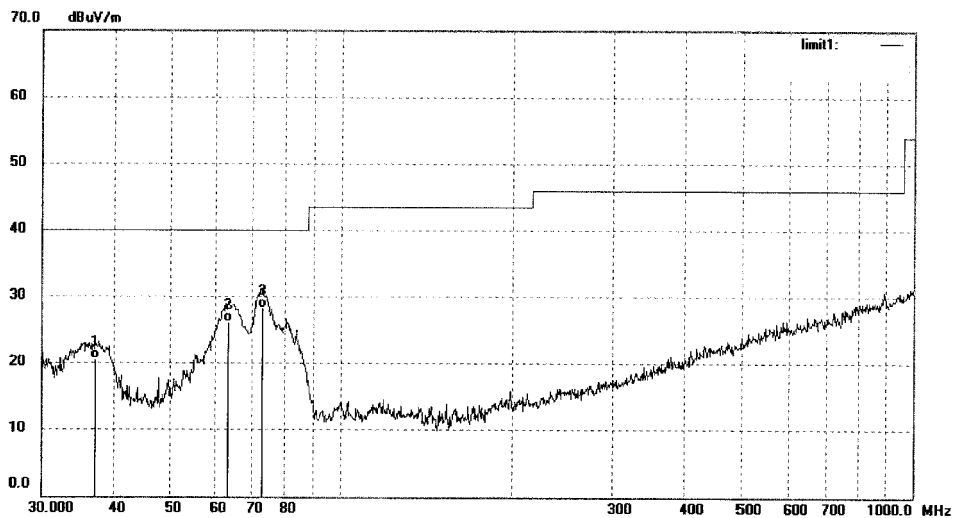
Date: 17/05/31/

Time:

Engineer Signature: WADE

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	37.0248	31.44	-10.86	20.58	40.00	-19.42	QP			
2	63.0915	41.18	-15.01	26.17	40.00	-13.83	QP			
3	72.5916	44.67	-16.40	28.27	40.00	-11.73	QP			




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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2432

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2422.999969MHz

Model: HC371

Manufacturer: Limoss

Polarization: Horizontal

Power Source: AC 120V/60Hz

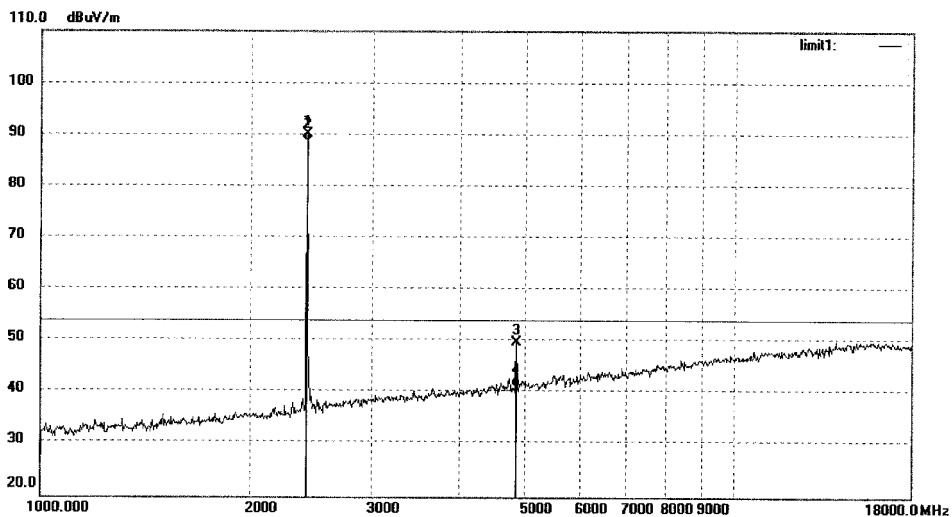
Date: 17/05/27/

Time:

Engineer Signature: WADE

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	91.58	-1.52	90.06	114.00	-23.94	peak			
2	2422.999	90.18	-1.52	88.66	94.00	-5.34	AVG			
3	4846.010	44.61	5.28	49.89	74.00	-24.11	peak			
4	4846.010	36.07	5.28	41.35	54.00	-12.65	AVG			


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Fax:+86-0755-26503396

Job No.: LGW2017 #2433

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2422.999969MHz

Model: HC371

Manufacturer: Limoss

Polarization: Vertical

Power Source: AC 120V/60Hz

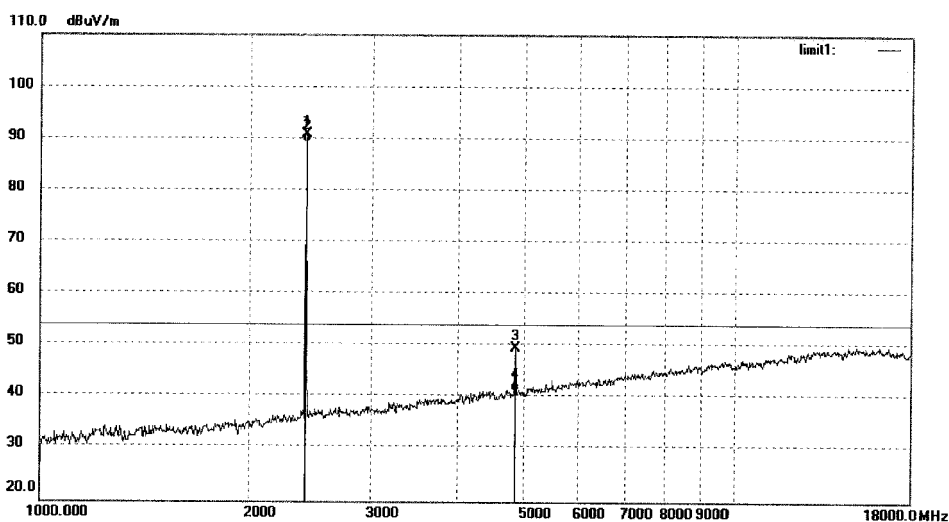
Date: 17/05/27/

Time:

Engineer Signature: WADE

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	92.19	-1.52	90.67	114.00	-23.33	peak			
2	2422.999	90.79	-1.52	89.27	94.00	-4.73	AVG			
3	4845.996	44.40	5.28	49.68	74.00	-24.32	peak			
4	4845.996	36.07	5.28	41.35	54.00	-12.65	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2436

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2448.393768MHz

Model: HC371

Manufacturer: Limoss

Polarization: Horizontal

Power Source: AC 120V/60Hz

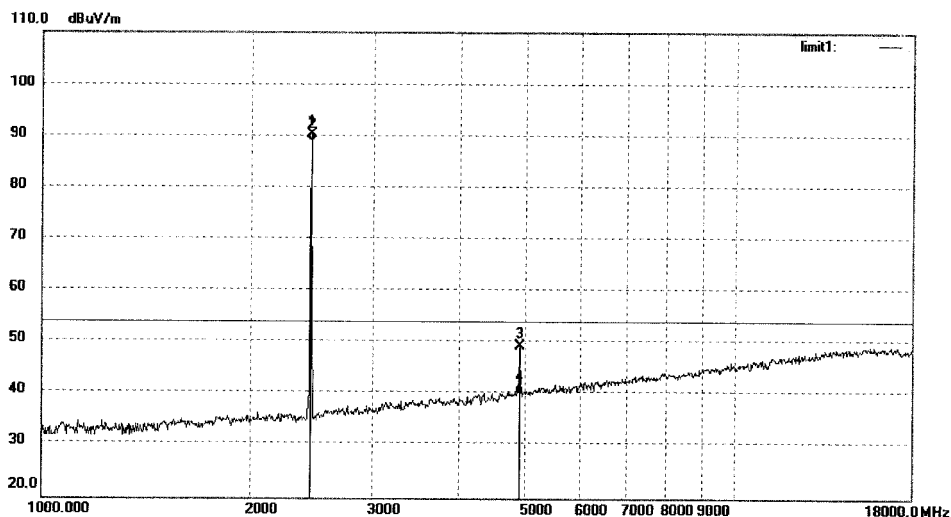
Date: 17/05/27/

Time:

Engineer Signature: WADE

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	91.72	-1.42	90.30	114.00	-23.70	peak			
2	2448.393	90.32	-1.42	88.90	94.00	-5.10	AVG			
3	4896.780	43.54	5.74	49.28	74.00	-24.72	peak			
4	4896.780	34.50	5.74	40.24	54.00	-13.76	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2437

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2448.393768MHz

Model: HC371

Manufacturer: Limoss

Polarization: Vertical

Power Source: AC 120V/60Hz

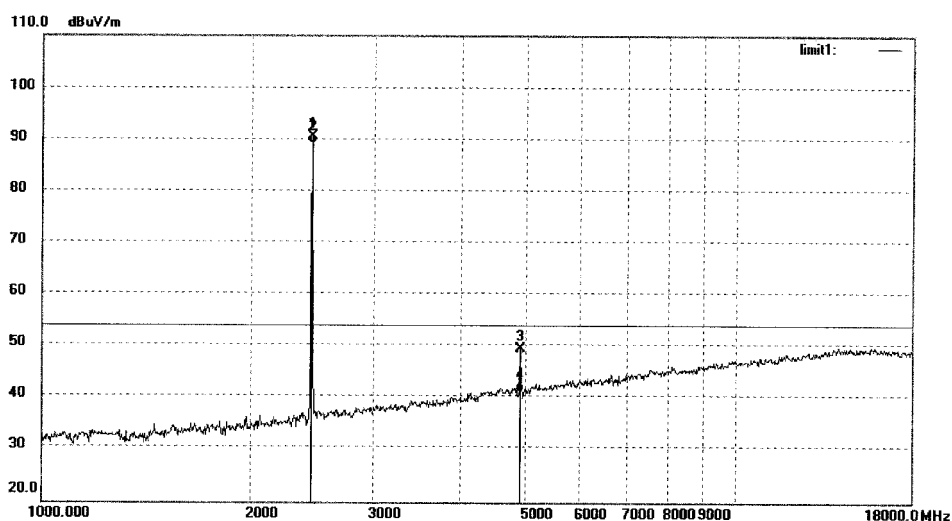
Date: 17/05/27/

Time:

Engineer Signature: WADE

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	92.05	-1.42	90.63	114.00	-23.37	peak			
2	2448.393	90.65	-1.42	89.23	94.00	-4.77	AVG			
3	4896.793	43.75	5.74	49.49	74.00	-24.51	peak			
4	4896.793	35.51	5.74	41.25	54.00	-12.75	AVG			


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Fax:+86-0755-26503396

Job No.: LGW2017 #2439

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2473.987518MHz

Model: HC371

Manufacturer: Limoss

Polarization: Horizontal

Power Source: AC 120V/60Hz

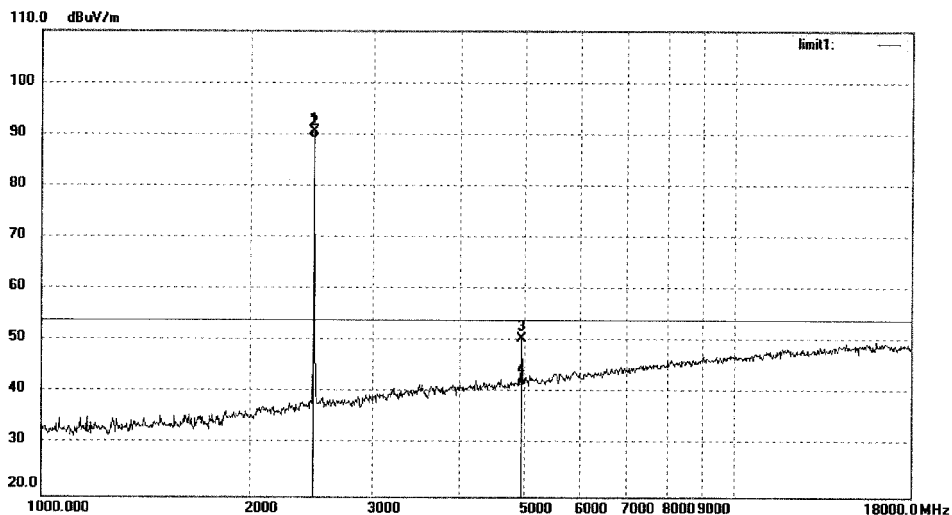
Date: 17/05/31/

Time:

Engineer Signature: WADE

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	91.92	-1.41	90.51	114.00	-23.49	peak			
2	2473.987	90.52	-1.41	89.11	94.00	-4.89	AVG			
3	4947.989	44.35	6.03	50.38	74.00	-23.62	peak			
4	4947.989	35.22	6.03	41.25	54.00	-12.75	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: LGW2017 #2438

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2473.987518MHz

Model: HC371

Manufacturer: Limoss

Polarization: Vertical

Power Source: AC 120V/60Hz

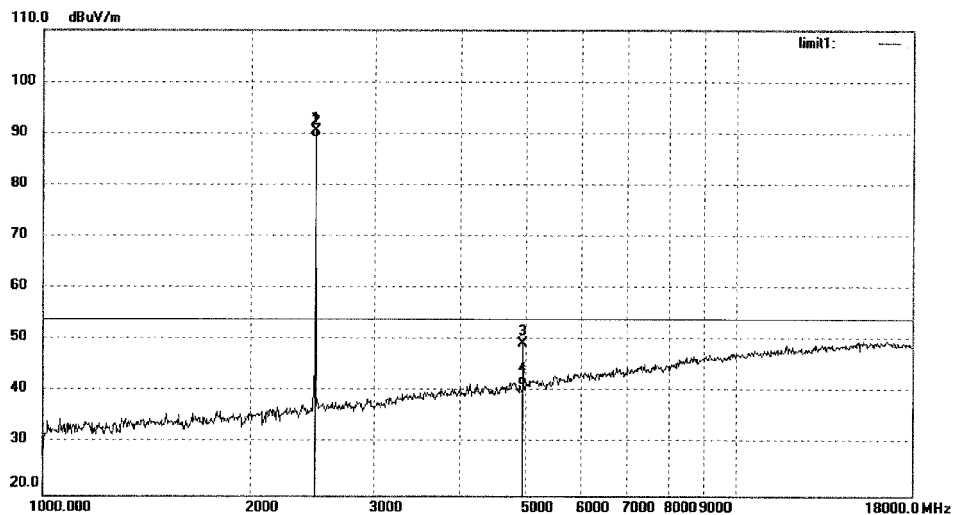
Date: 17/05/31/

Time:

Engineer Signature: WADE

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	91.90	-1.41	90.49	114.00	-23.51	peak			
2	2473.987	90.50	-1.41	89.09	94.00	-4.91	AVG			
3	4947.966	43.23	6.03	49.26	74.00	-24.74	peak			
4	4947.966	35.22	6.03	41.25	54.00	-12.75	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2443

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/05/31/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: Cinema Control System Wall Unit

Engineer Signature: WADE

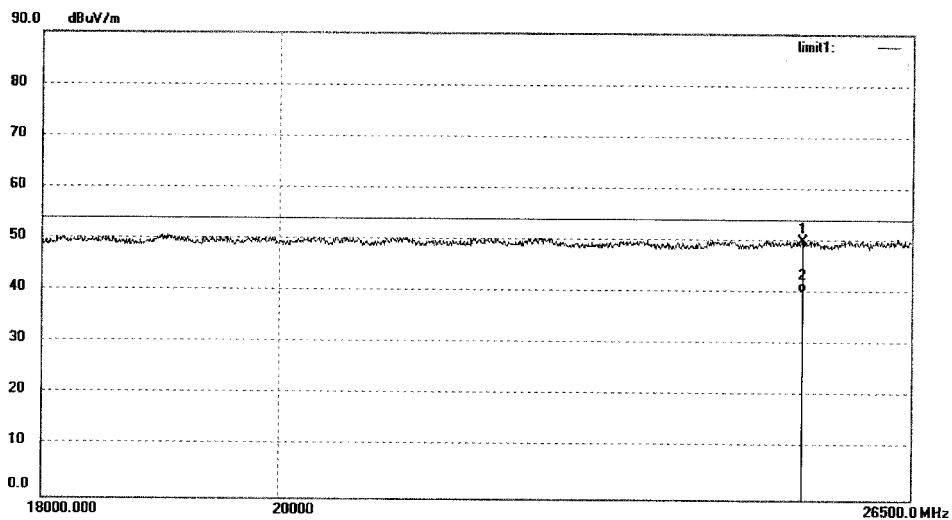
Mode: TX 2422.999969MHz

Distance: 3m

Model: HC371

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	25249.292	10.16	39.87	50.03	74.00	-23.97	peak			
2	25249.292	0.34	39.87	40.21	54.00	-13.79	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2442

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2422.999969MHz

Model: HC371

Manufacturer: Limoss

Polarization: Vertical

Power Source: AC 120V/60Hz

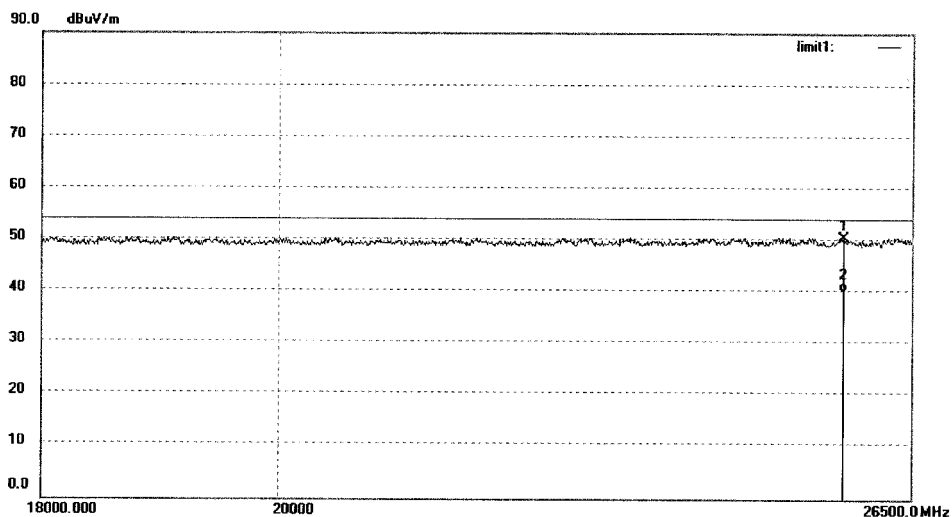
Date: 17/05/31/

Time:

Engineer Signature: WADE

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	25722.426	9.46	41.03	50.49	74.00	-23.51	peak			
2	25722.426	-0.79	41.03	40.24	54.00	-13.76	AVG			




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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2444

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2448.393768MHz

Model: HC371

Manufacturer: Limoss

Polarization: Horizontal

Power Source: AC 120V/60Hz

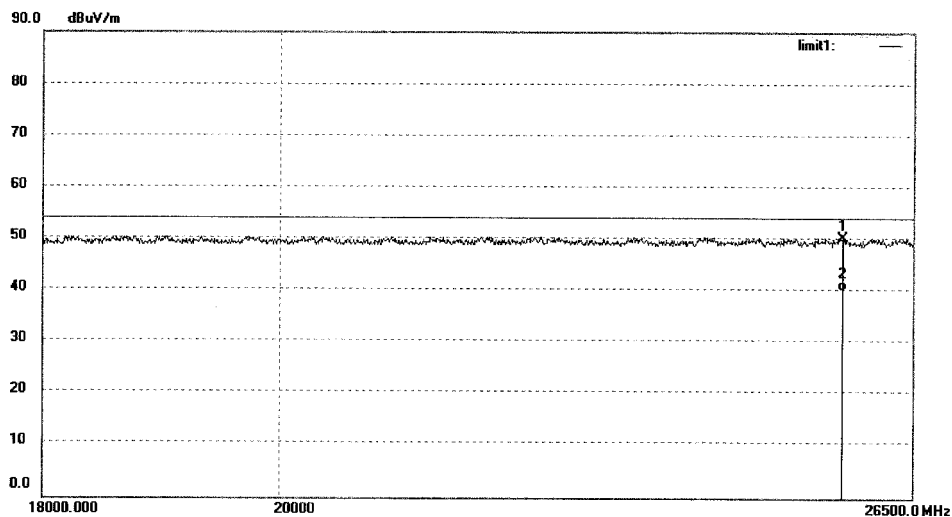
Date: 17/05/31/

Time:

Engineer Signature: WADE

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	25692.597	10.13	40.09	50.22	74.00	-23.78	peak			
2	25692.597	0.02	40.09	40.11	54.00	-13.89	AVG			


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Site: 2# Chamber

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Job No.: LGW2017 #2445

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/05/31/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: Cinema Control System Wall Unit

Engineer Signature: WADE

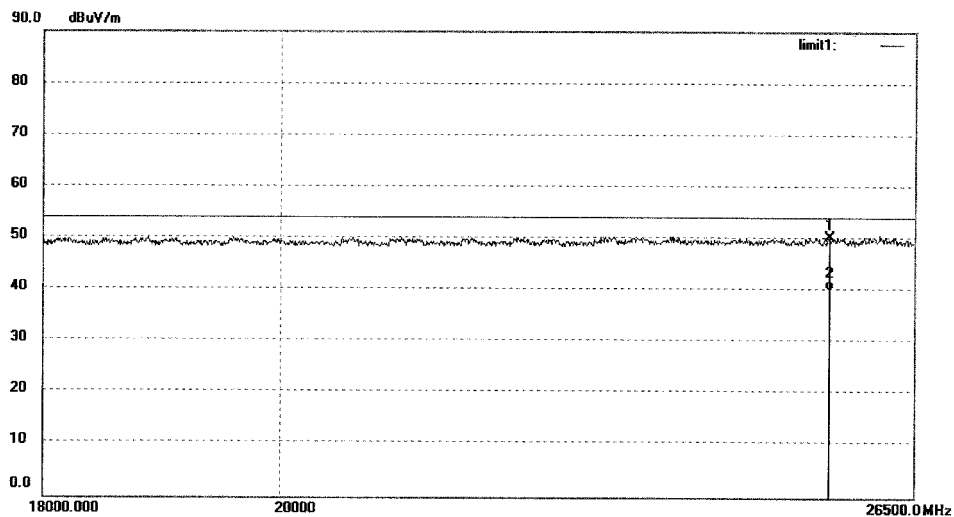
Mode: TX 2448.393768MHz

Distance: 3m

Model: HC371

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	25534.093	9.17	41.05	50.22	74.00	-23.78	peak			
2	25534.093	-0.88	41.05	40.17	54.00	-13.83	AVG			

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*Test Report No.*
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Site: 2# Chamber

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Job No.: LGW2017 #2447

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/05/31/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: Cinema Control System Wall Unit

Engineer Signature: WADE

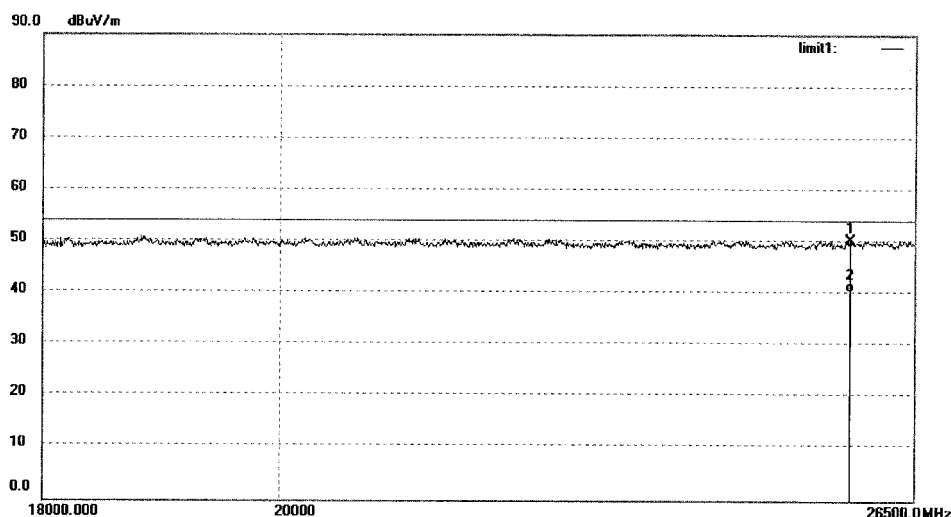
Mode: TX 2473.987518MHz

Distance: 3m

Model: HC371

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	25762.251	10.12	40.13	50.25	54.00	-3.75	peak			
2	25762.251	0.18	40.13	40.31	54.00	-13.69	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2446

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/05/31/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: Cinema Control System Wall Unit

Engineer Signature: WADE

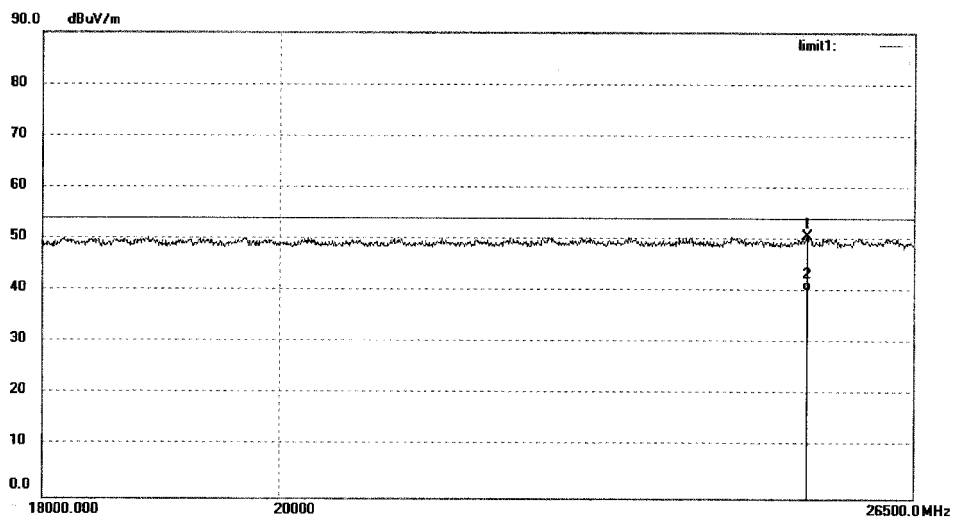
Mode: TX 2473.987518MHz

Distance: 3m

Model: HC371

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	25288.385	9.53	41.10	50.63	74.00	-23.37	peak			
2	25288.385	-0.89	41.10	40.21	54.00	-13.79	AVG			

## Test Plot of Frequency Band Edge


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2435

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2422.99969MHz

Model: HC371

Manufacturer: Limoss

Polarization: Horizontal

Power Source: AC 120V/60Hz

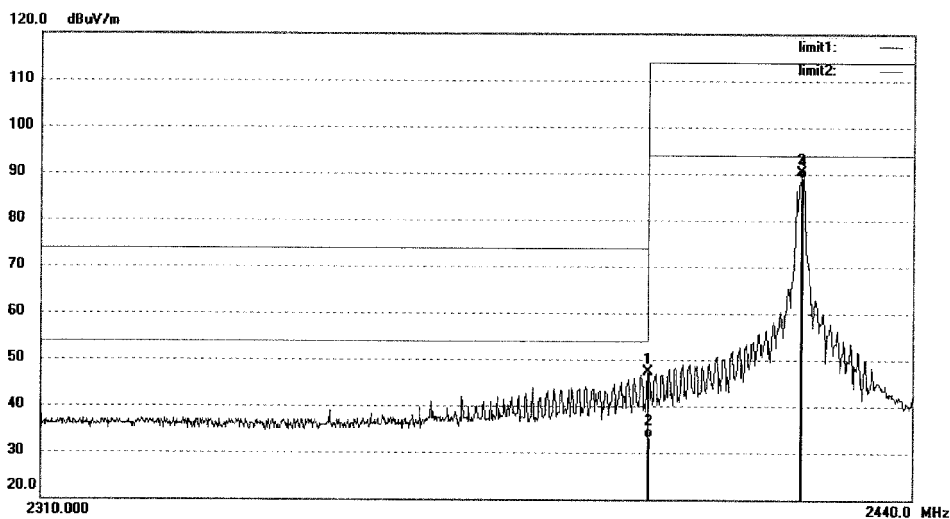
Date: 17/05/27/

Time:

Engineer Signature: WADE

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	2400.000	48.99	-1.62	47.37	74.00	-26.63	peak			
2	2400.000	34.79	-1.62	33.17	54.00	-20.83	AVG			
3	2422.995	91.96	-1.52	90.44	114.00	-23.56	peak			
4	2422.995	90.56	-1.52	89.04	94.00	-4.96	AVG			


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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2434

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2422.999969MHz

Model: HC371

Manufacturer: Limoss

Polarization: Vertical

Power Source: AC 120V/60Hz

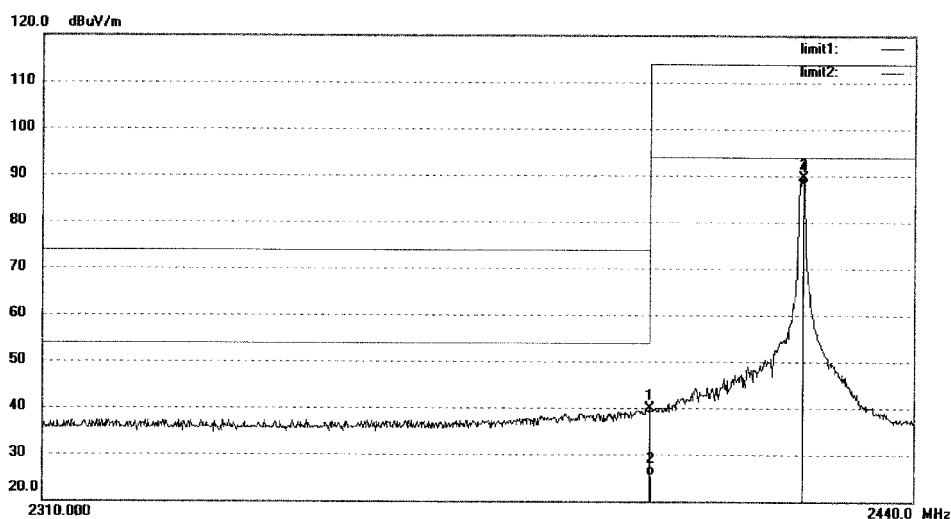
Date: 17/05/27/

Time:

Engineer Signature: WADE

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	2400.000	41.45	-1.62	39.83	74.00	-34.17	peak			
2	2400.000	26.95	-1.62	25.33	54.00	-28.67	AVG			
3	2423.012	91.03	-1.52	89.51	114.00	-24.49	peak			
4	2423.012	89.63	-1.52	88.11	94.00	-5.89	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2440

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Cinema Control System Wall Unit

Mode: TX 2473.987518MHz

Model: HC371

Manufacturer: Limoss

Polarization: Horizontal

Power Source: AC 120V/60Hz

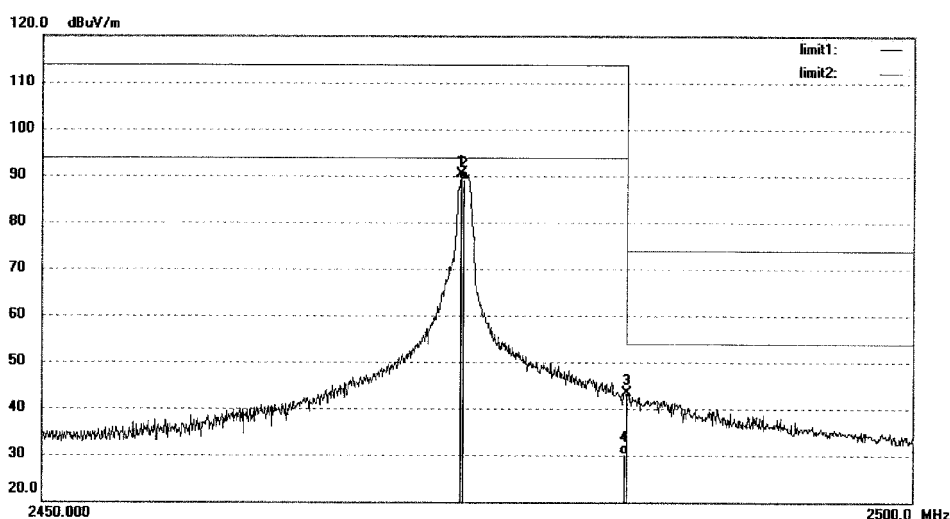
Date: 17/05/31/

Time:

Engineer Signature: WADE

Distance: 3m

Note:



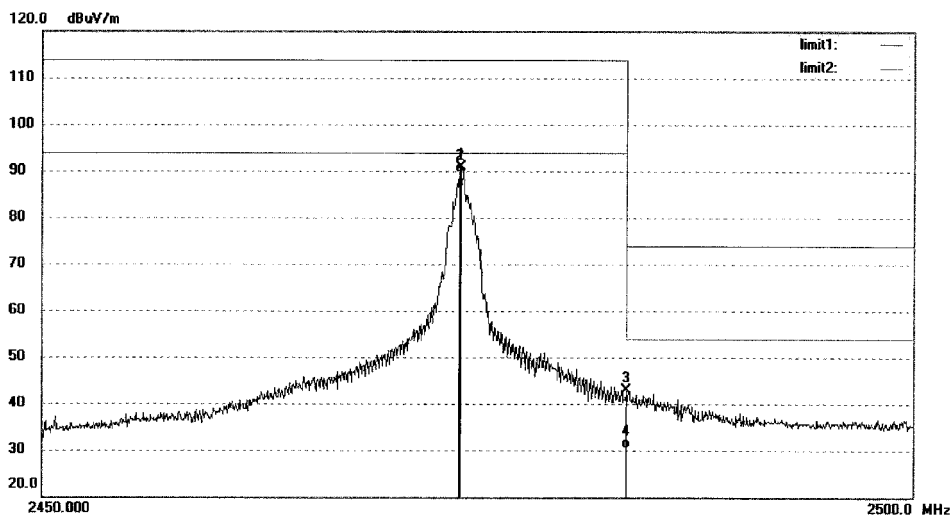
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2473.977	91.88	-1.41	90.47	114.00	-23.53	peak			
2	2473.977	90.48	-1.41	89.07	94.00	-4.93	AVG			
3	2483.500	44.68	-1.40	43.28	74.00	-30.72	peak			
4	2483.500	31.54	-1.40	30.14	54.00	-23.86	AVG			


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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.: LGW2017 #2441	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/05/31/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Cinema Control System Wall Unit	Engineer Signature: WADE
Mode: TX 2473.987518MHz	Distance: 3m
Model: HC371	
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	2473.980	92.36	-1.41	90.95	114.00	-23.05	peak			
2	2473.980	90.96	-1.41	89.55	94.00	-4.45	AVG			
3	2483.500	44.26	-1.40	42.86	74.00	-31.14	peak			
4	2483.500	31.85	-1.40	30.45	54.00	-23.55	AVG			



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### 5.1.5 Conducted emissions

**RESULT:****Pass**

Date of testing	:	2017-03-29
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°C
Relative humidity	:	55%
Atmospheric pressure	:	101kPa

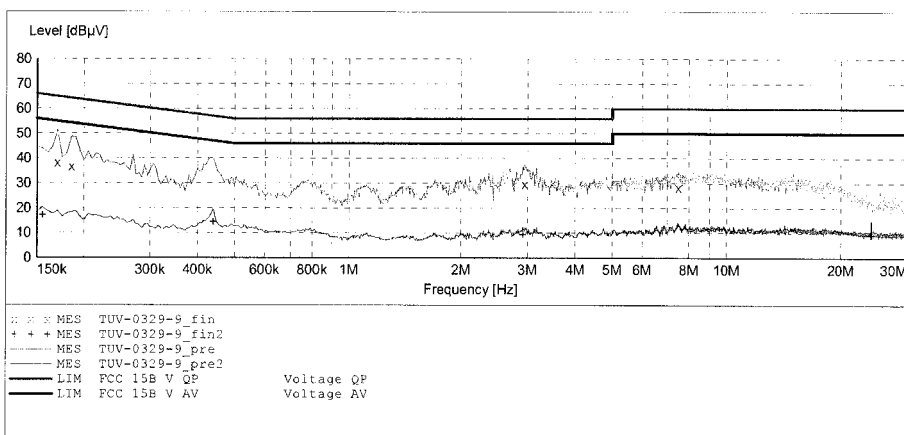
For details refer to following test plot.

**ACCURATE TECHNOLOGY CO., LTD**
**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: Cinema Control System Wall Unit M/N:HC371  
 Manufacturer: Limoss  
 Operating Condition: TX  
 Test Site: 1#Shielding Room  
 Operator: WADE  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 3/29/2017 /

**SCAN TABLE: "V 9K-30MHz fin"**

Short Description: \_SUB STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
 150.0 kHz 30.0 MHz 5.0 kHz Average  
 QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average


**MEASUREMENT RESULT: "TUV-0329-9\_fin"**

3/29/2017

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.170000	38.20	10.5	65	26.8	QP	L1	GND
0.185000	36.70	10.5	64	27.6	QP	L1	GND
2.950000	29.60	11.1	56	26.4	QP	L1	GND
7.500000	28.30	11.2	60	31.7	QP	L1	GND

**MEASUREMENT RESULT: "TUV-0329-9\_fin2"**

3/29/2017

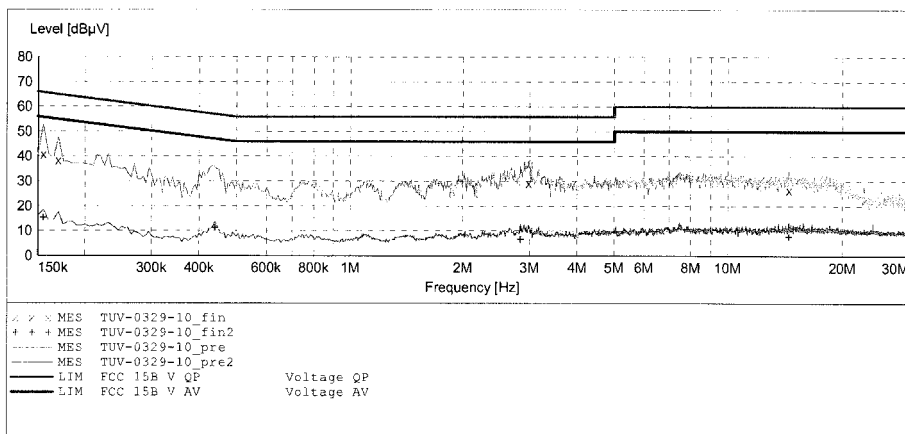
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.155000	17.10	10.5	56	38.6	AV	L1	GND
0.440000	14.40	10.7	47	32.7	AV	L1	GND
2.920000	9.40	11.1	46	36.6	AV	L1	GND
24.040000	9.20	11.5	50	40.8	AV	L1	GND

**ACCURATE TECHNOLOGY CO.,LTD**
**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: Cinema Control System Wall Unit M/N:HC371  
 Manufacturer: Limoss  
 Operating Condition: TX  
 Test Site: 1#Shielding Room  
 Operator: WADE  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 3/29/2017 /

**SCAN TABLE: "V 9K-30MHz fin"**

Short Description: \_SUB STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average Average


**MEASUREMENT RESULT: "TUV-0329-10\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.155000	40.80	10.5	66	24.9	QP	N	GND
0.170000	38.30	10.5	65	26.7	QP	N	GND
2.980000	29.20	11.1	56	26.8	QP	N	GND
14.455000	26.50	11.4	60	33.5	QP	N	GND

**MEASUREMENT RESULT: "TUV-0329-10\_fin2"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.155000	15.20	10.5	56	40.5	AV	N	GND
0.440000	11.10	10.7	47	36.0	AV	N	GND
2.840000	6.60	11.0	46	39.4	AV	N	GND
14.455000	7.60	11.4	50	42.4	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 0.350mW (-4.56dBm) 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.

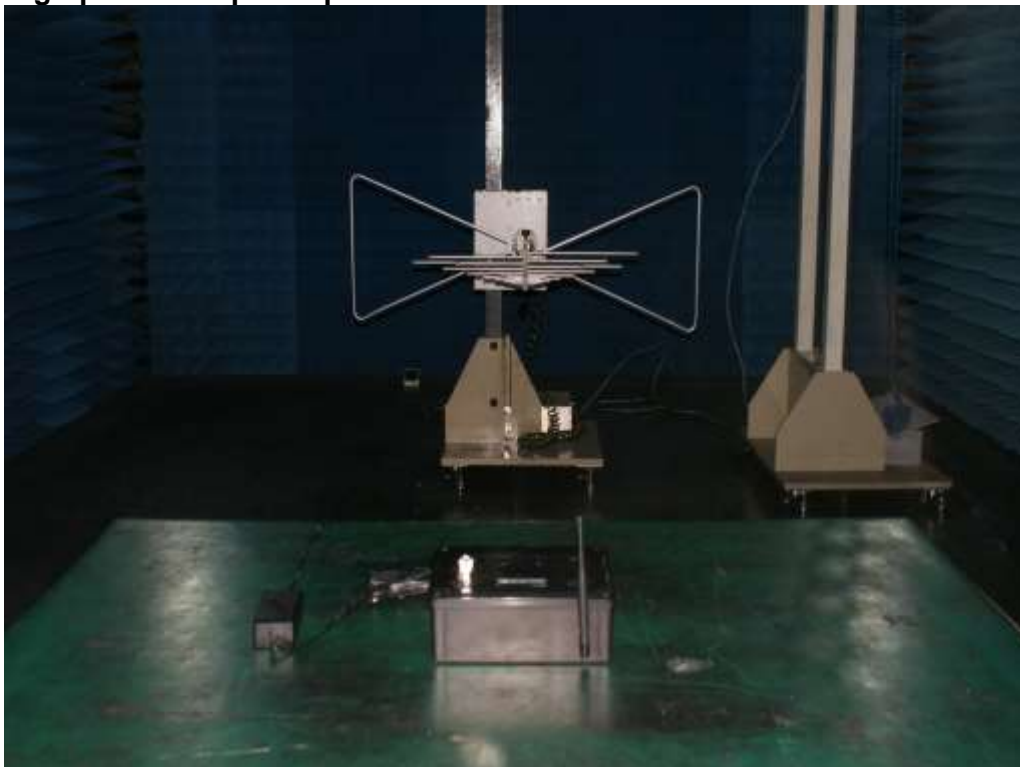
Since maximum output power of the transmitter is 0.350mW<96mW, and the distance from EUT to human is  $\geq 50$ mm, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.

## 7. Photographs of the Test Set-Up

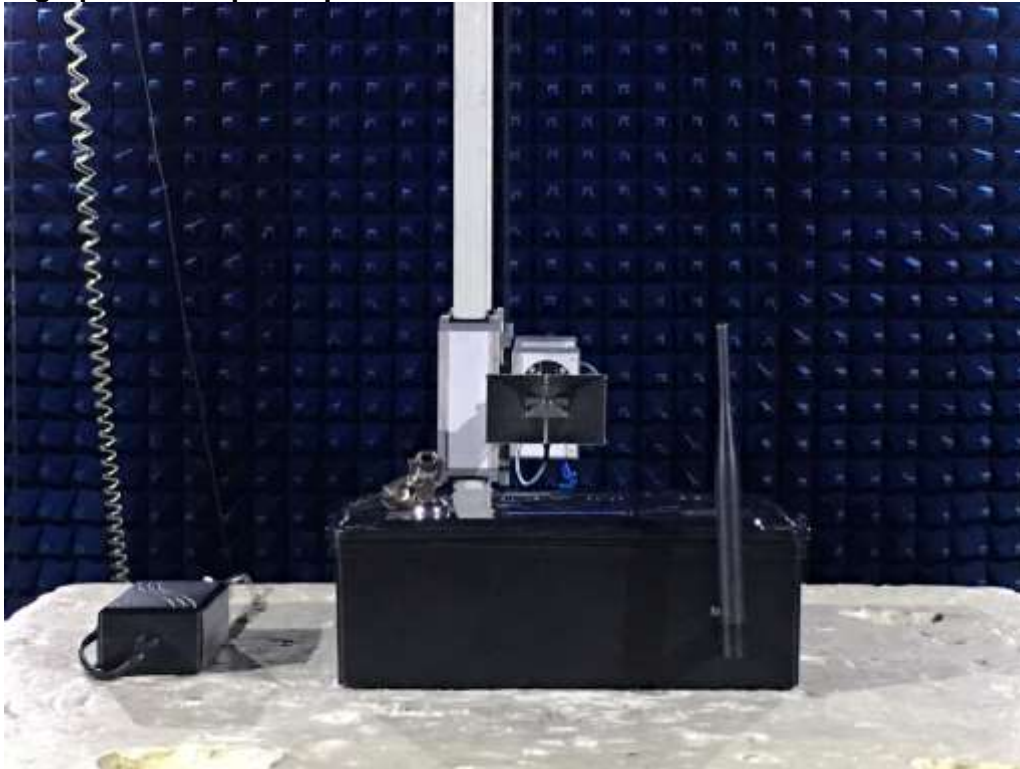
**Photograph 1: Set-up for Spurious Emissions below 30MHz**



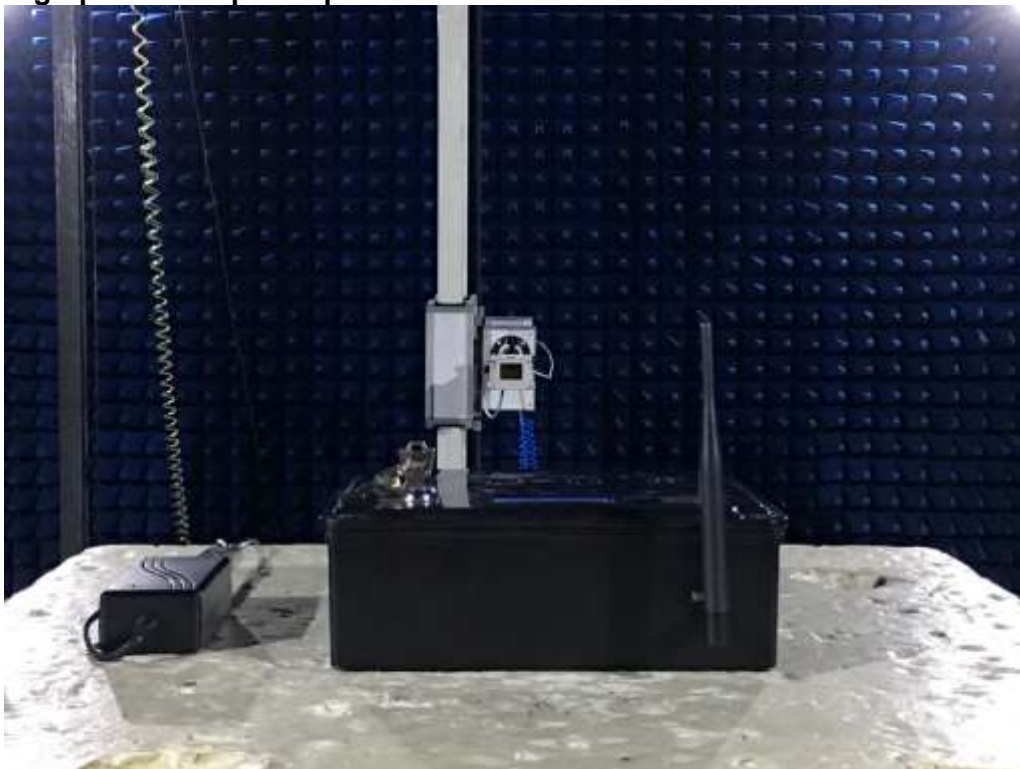
**Photograph 2: Set-up for Spurious Emissions of 30MHz – 1GHz**



**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**





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