Prüfbericht-Nr.: *Test Report No.:*	**50083021 001**	**Auftrags-Nr.:** *Order No.:*	164061391	Seite 1 von 64 *Page 1 of 64*
Kunden-Referenz-Nr.: *Client Reference No.:*	N/A	**Auftragsdatum:** *Order date:*	21.04.2016	
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:*	Wireless Receiver			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	MC307-My-W (y = 1 - 4, for the detailed of variables 'y' refer to clause 3.1 of test report.)			
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-210 Issue 9 August 2016 RSS-102 Issue 5 March 2015		CFR47 FCC Part 15: Subpart C Section 15.207 FCC KDB Publication 447498 D01 v06 RSS-Gen Issue 4 November 2014	
Wareneingangsdatum: *Date of receipt:*	10.06.2016			
Prüfmuster-Nr.: *Test sample No.:*	1601079			
Prüfzeitraum: *Testing period:*	26.06.2016 - 07.04.2017			
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:*		
18.05.2017	Andy Yan/Project Manager		18.05.2017	Owen Tian/Technical Certicier	
Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

Sonstiges / *Other:* FCC ID: 2AH9H-MC307
IC: 21543-MC307

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
Conducted Emission				
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 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 EUTs are motor controller, it operates at 2.4GHz ISM band.
All the items were tested according to RSS-210 Issue 8, and the testing items and results also comply with the RSS-210 Issue 9 after engineering judgement.
All models are identical in circuit, PCB layout & electrical component.
The meaning of variables in model name:
y = 1 - 4, stand for the external motor quantity;
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	Wireless Receiver
Type Designation	MC307-My-W
FCC ID	2AH9H-MC307
IC	21543-MC307
HVIN	MC307
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	DC 30V
Modulation	MSK
Antenna Gain	-3.4dBi

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.
According to clause 3.1, all tests were applied on model MC307-M2-W.

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	MC115L-70-EU	Input: AC 100-240V, 50/60Hz; 1.6-0.7A; Output: DC 29V, 2.0A
Motor Actuator	limoss	MD120-01-L2-382-210	Input: DC 18-35V, 5A

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

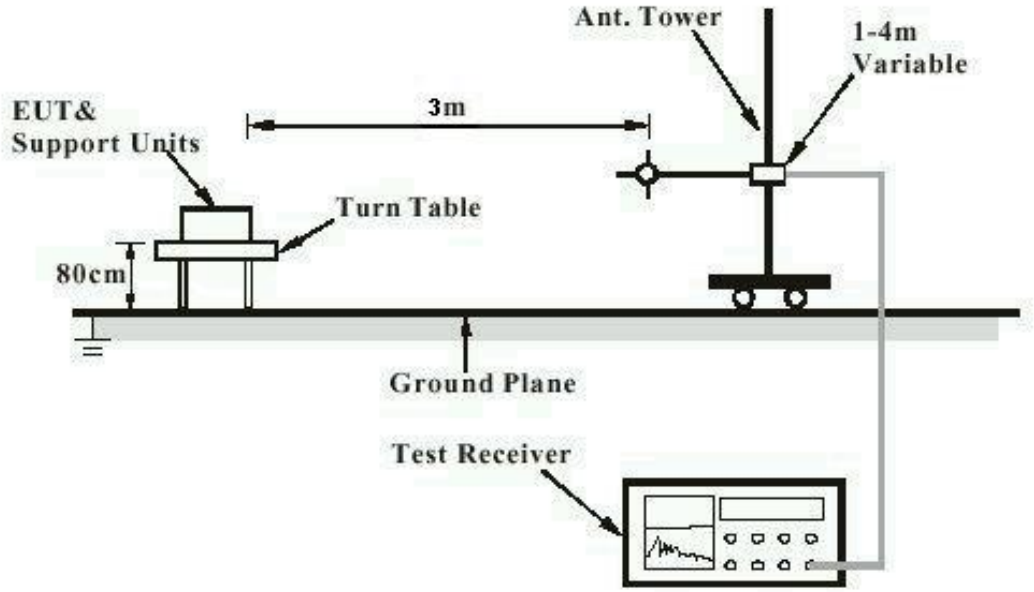


Diagram of Measurement Configuration for Radiation Test for above 1GHz

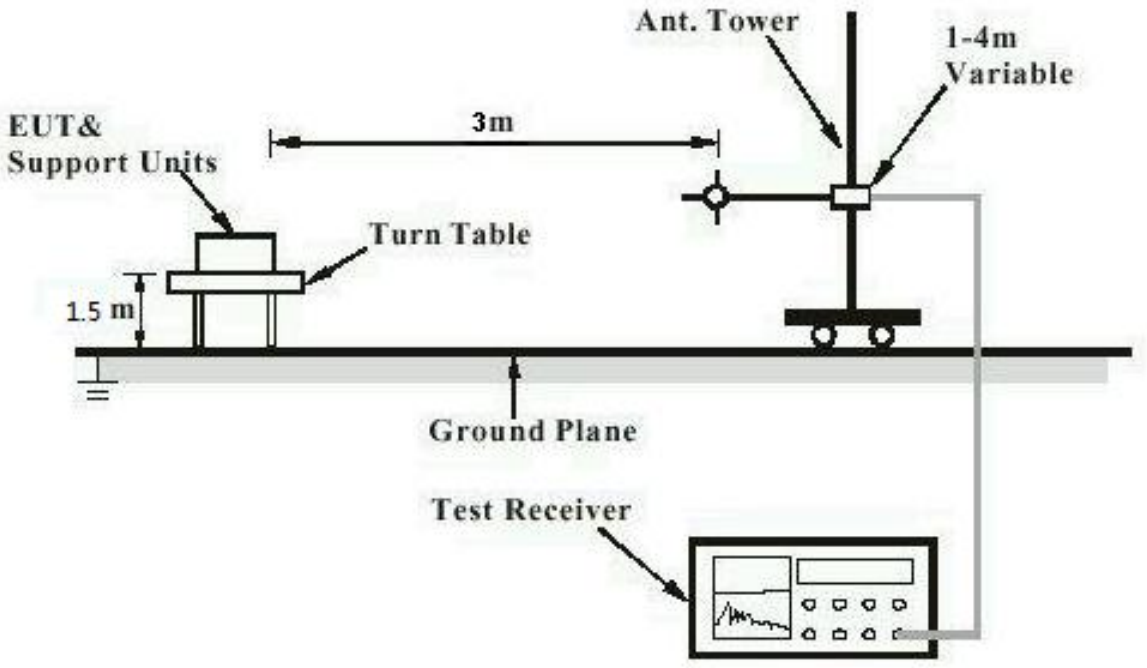


Diagram of Measurement Equipment Configuration for Transmitter Measurement

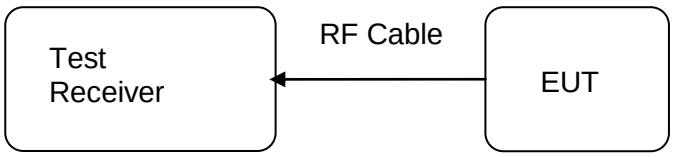
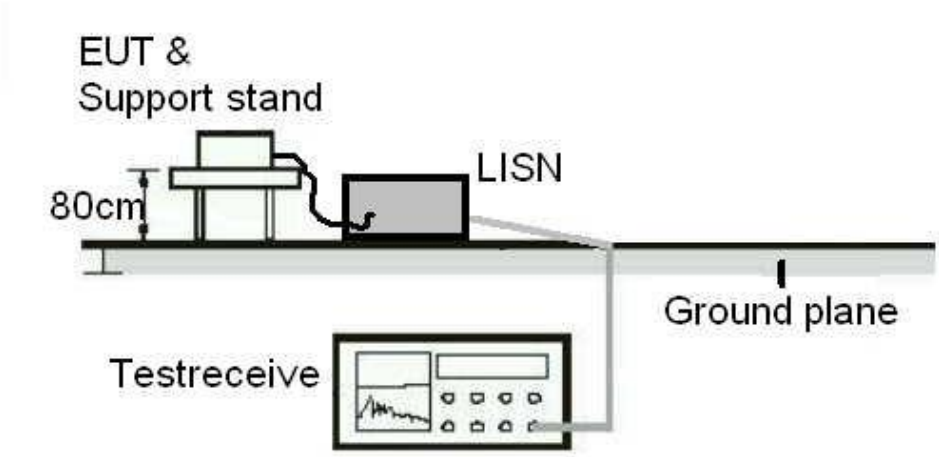


Diagram of Measurement Equipment Configuration for Conduction Measurement



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 -3.4dBi, therefore the EUT is considered sufficient to comply with the provision.

5.1.2 20dB Bandwidth and 99% Bandwidth

RESULT: **Pass**

Date of testing	:	2016-06-29
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

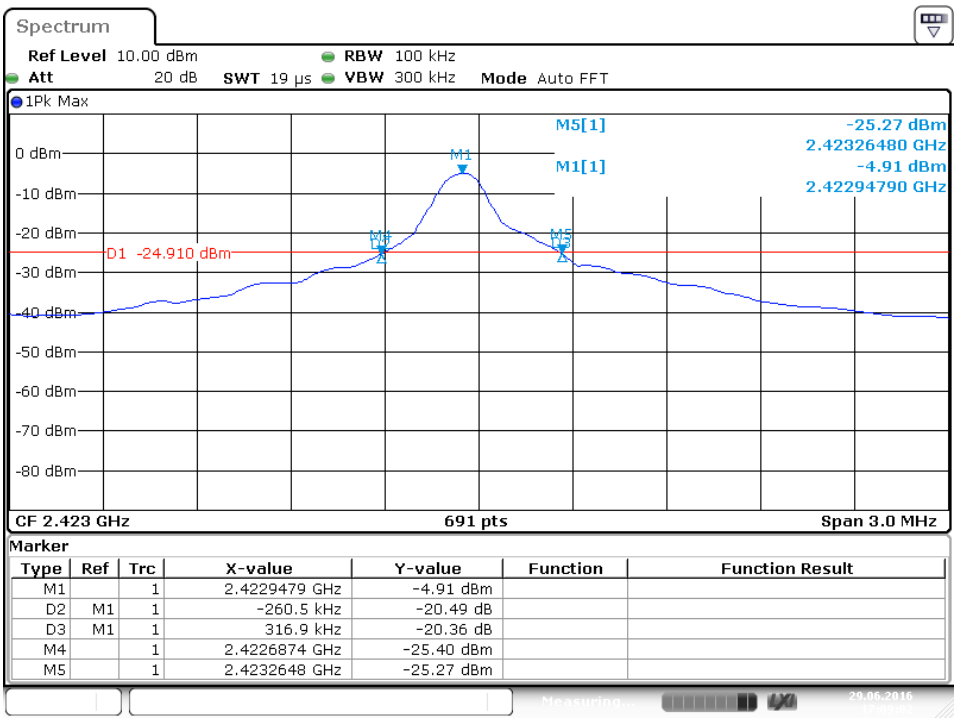
Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1
Ambient temperature	:	21℃
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

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

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2422.999	0.577	1.159
Mid Channel	2448.393	0.478	1.046
High Channel	2473.987	0.621	1.246

For details refer to following test plot.

Test Plot of 20dB Bandwidth



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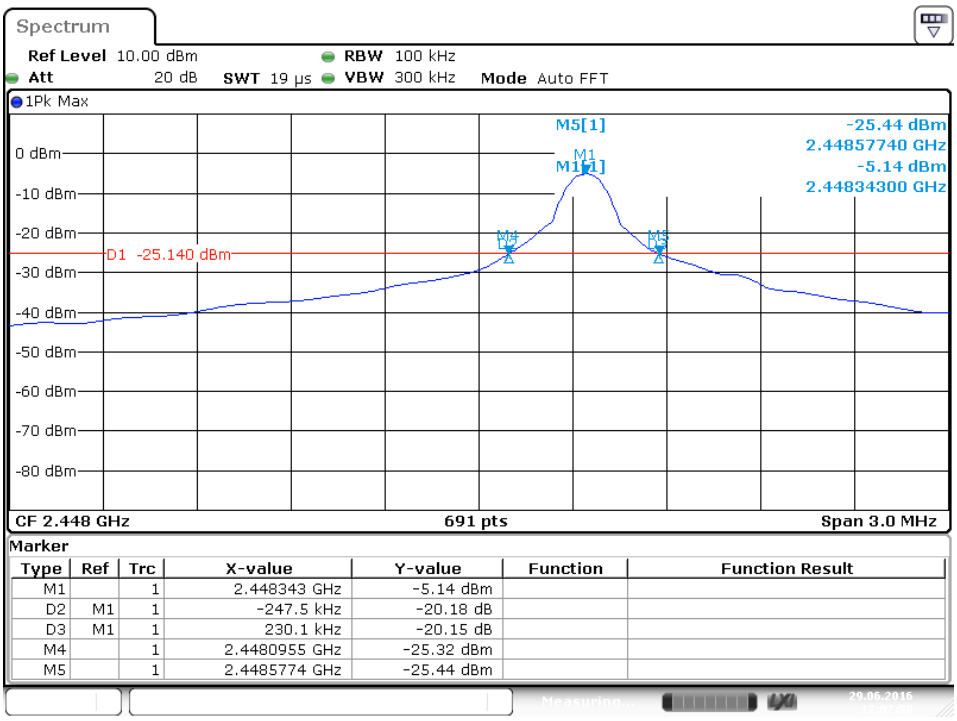

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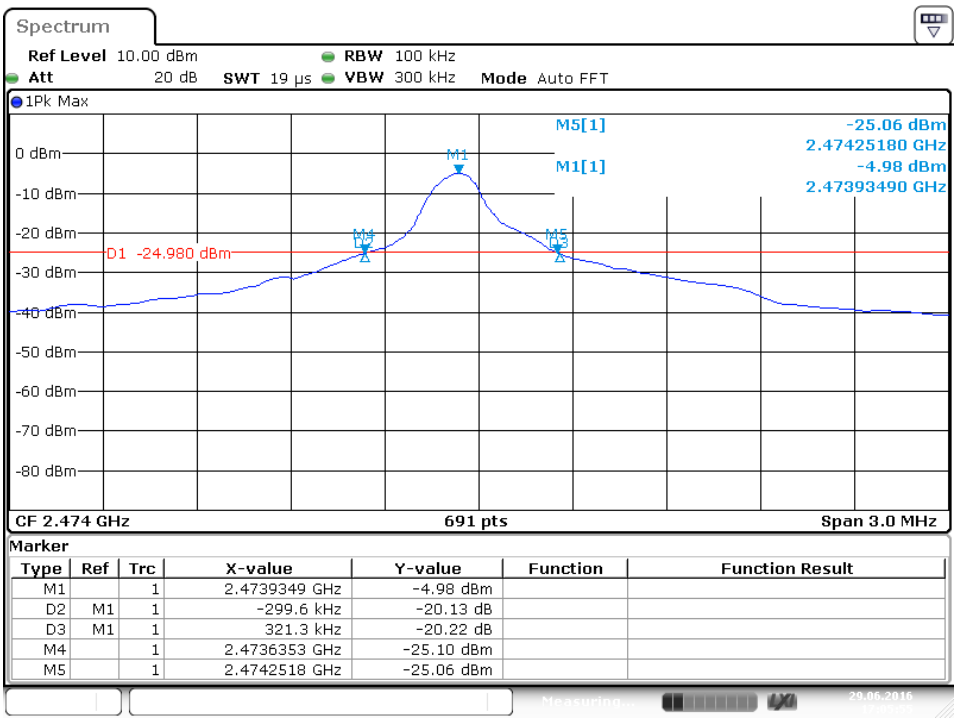
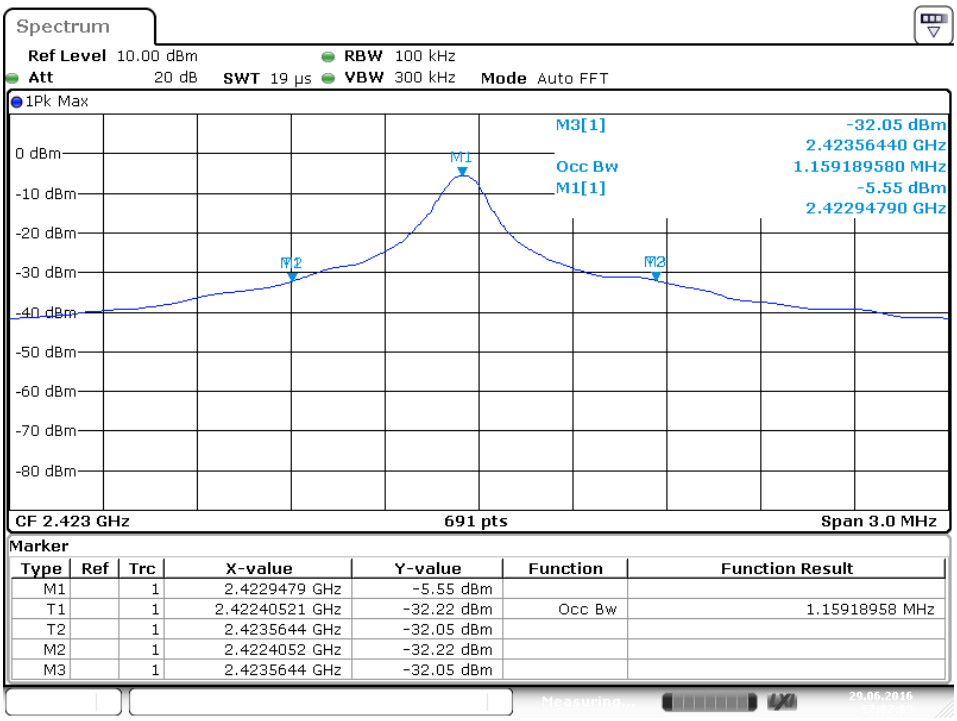


Date: 29.JUN.2016 17:05:55

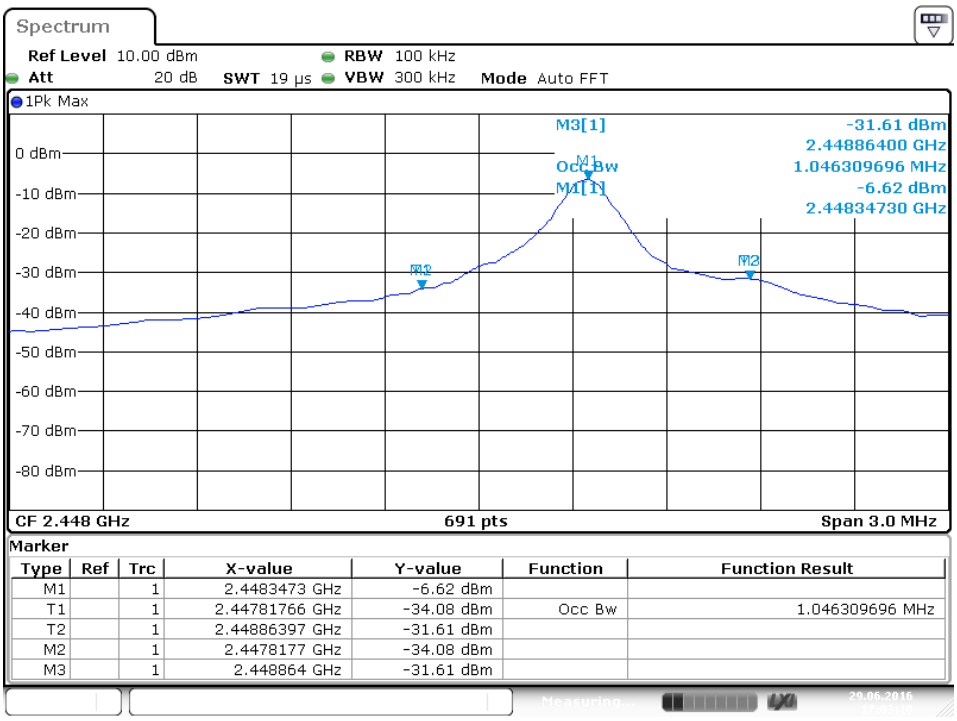
Test Plot of 99% Bandwidth



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4229479 GHz	-5.55 dBm		
T1		1	2.42240521 GHz	-32.22 dBm	Occ Bw	1.15918958 MHz
T2		1	2.4235644 GHz	-32.05 dBm		
M2		1	2.4224052 GHz	-32.22 dBm		
M3		1	2.4235644 GHz	-32.05 dBm		

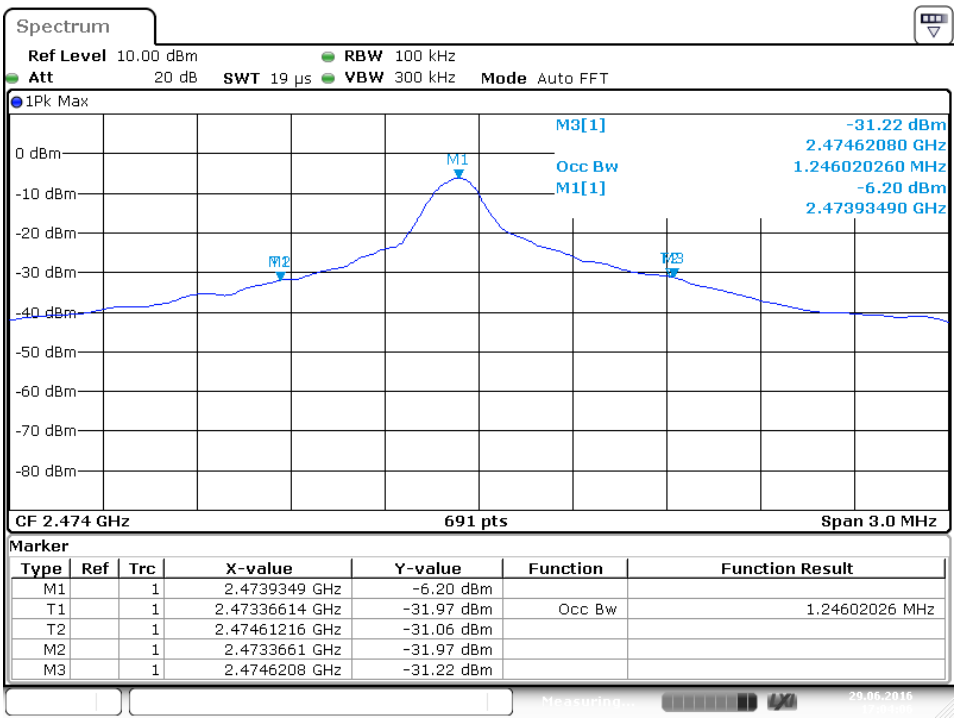
Date: 29.JUN.2016 17:02:10



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4483473 GHz	-6.62 dBm		
T1		1	2.44781766 GHz	-34.08 dBm	Occ Bw	1.046309696 MHz
T2		1	2.44886397 GHz	-31.61 dBm		
M2		1	2.4478177 GHz	-34.08 dBm		
M3		1	2.448864 GHz	-31.61 dBm		

Date: 29.JUN.2016 17:03:11



Date: 29.JUN.2016 17:04:06

5.1.3 Fundamental & Harmonics Radiated Emission

RESULT: **Pass**

Date of testing	:	2016-06-26
Test standard	:	FCC part 15.249(a) RSS-210 Clause B10(a)
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 2448.393MHz: Horizontal

Test conditions		Fundamental Frequency		Harmonic Frequency	
		2448.393MHz		4896.795	
T_{nom}(25ºC)	Unit	(dBµV/m)	(mV/m)	(dBµV/m)	(µV/m)
	Horizontal	81.83	12.345	36.28	65.163
	Vertical	80.74	10.889	39.65	96.051
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.

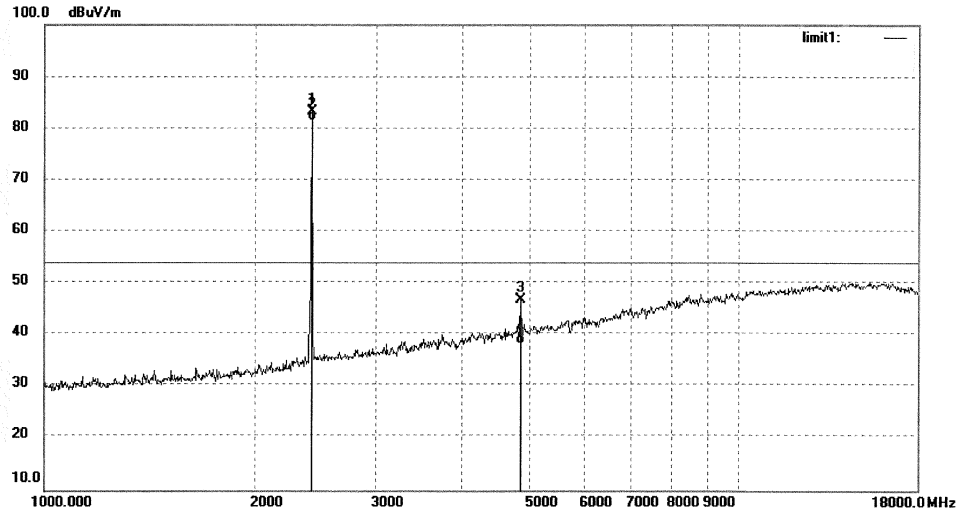
For details refer to following test plot.

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.: LGWADE #2264	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: MC307-M2-W	
Manufacturer: Limoss	

Note:



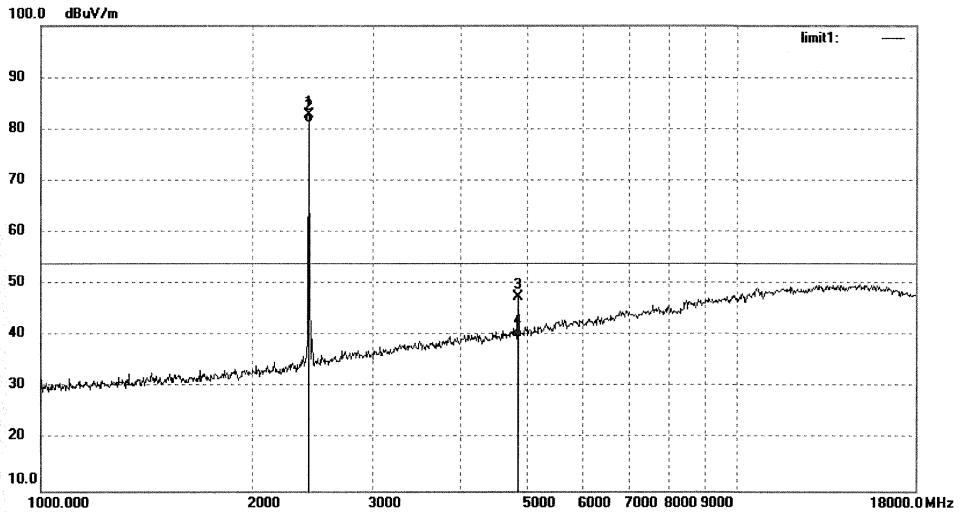
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2422.999	90.56	-7.40	83.16	114.00	-30.84	peak			
2	2422.999	88.86	-7.40	81.46	94.00	-12.54	AVG			
3	4846.002	46.89	-0.06	46.83	74.00	-27.17	peak			
4	4846.002	38.31	-0.06	38.25	54.00	-15.75	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 #2265	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: MC307-M2-W	
Manufacturer: Limoss	

Note:



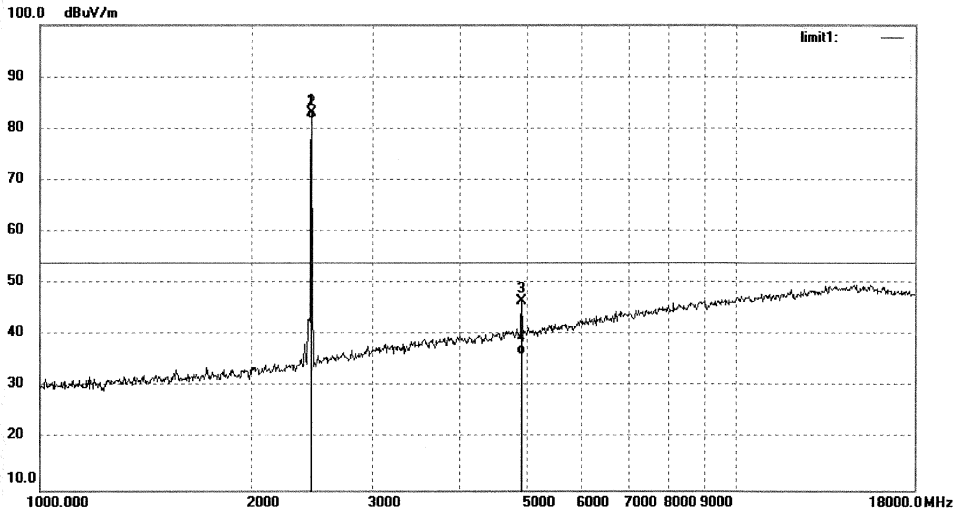
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2422.999	90.24	-7.40	82.84	114.00	-31.16	peak			
2	2422.999	88.54	-7.40	81.14	94.00	-12.86	AVG			
3	4845.988	47.57	-0.06	47.51	74.00	-26.49	peak			
4	4845.988	39.68	-0.06	39.62	54.00	-14.38	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 #2267	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2448.393MHz	Distance: 3m
Model: MC307-M2-W	
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	90.37	-7.34	83.03	114.00	-30.97	peak			
2	2448.393	89.17	-7.34	81.83	94.00	-12.17	AVG			
3	4896.784	46.40	0.22	46.62	74.00	-27.38	peak			
4	4896.784	36.06	0.22	36.28	54.00	-17.72	AVG			

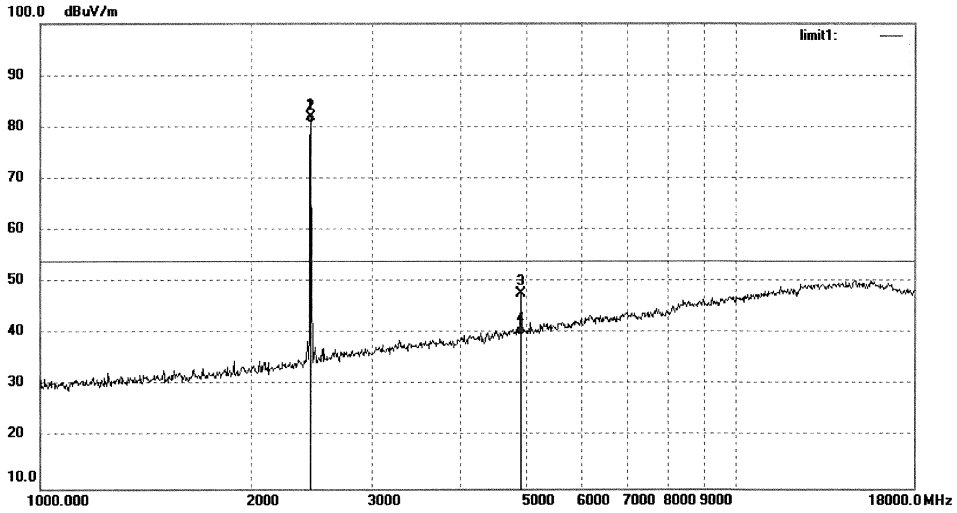
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2266
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Control box
Mode: TX 2448.393MHz
Model: MC307-M2-W
Manufacturer: Limoss

Polarization: Vertical
Power Source: DC 30V
Date: 16/06/26/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



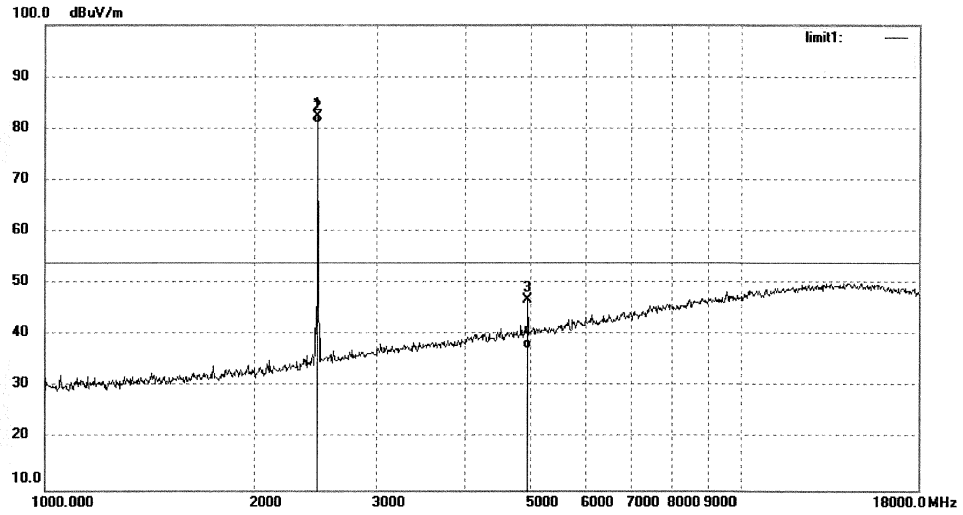
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2448.393	89.28	-7.34	81.94	114.00	-32.06	peak			
2	2448.393	88.08	-7.34	80.74	94.00	-13.26	AVG			
3	4896.795	47.54	0.22	47.76	74.00	-26.24	peak			
4	4896.795	39.43	0.22	39.65	54.00	-14.35	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 #2268	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: MC307-M2-W	
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	89.69	-7.37	82.32	114.00	-31.68	peak			
2	2473.987	88.29	-7.37	80.92	94.00	-13.08	AVG			
3	4947.971	46.24	0.46	46.70	74.00	-27.30	peak			
4	4947.971	36.79	0.46	37.25	54.00	-16.75	AVG			

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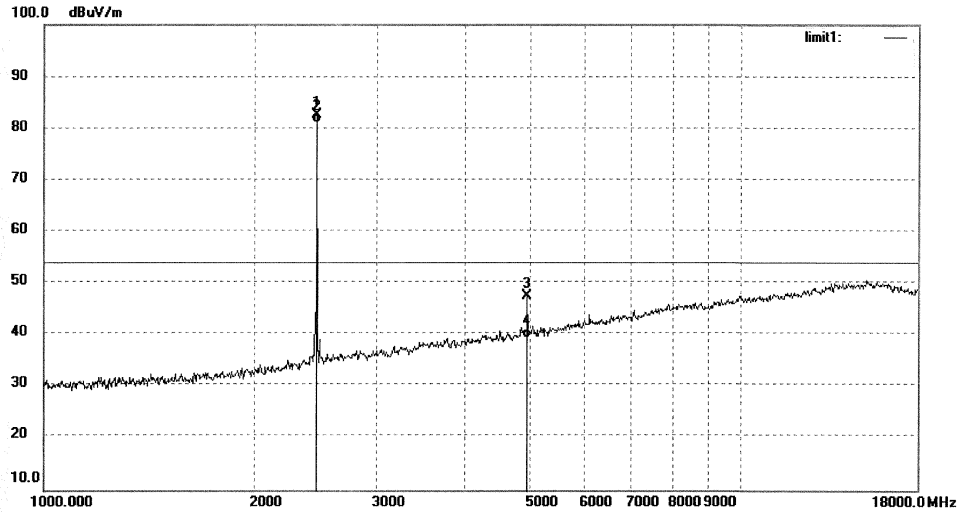
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2269	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: MC307-M2-W	
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	89.86	-7.37	82.49	114.00	-31.51	peak			
2	2473.987	88.46	-7.37	81.09	94.00	-12.91	AVG			
3	4947.969	46.96	0.46	47.42	74.00	-26.58	peak			
4	4947.969	38.80	0.46	39.26	54.00	-14.74	AVG			

5.1.4 Radiated emissions outside of the band

RESULT: **Pass**

Date of testing	:	2016-06-26
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℃
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

Test Plot of Radiated emissions outside band

ACCURATE TECHNOLOGY CO.,LTD

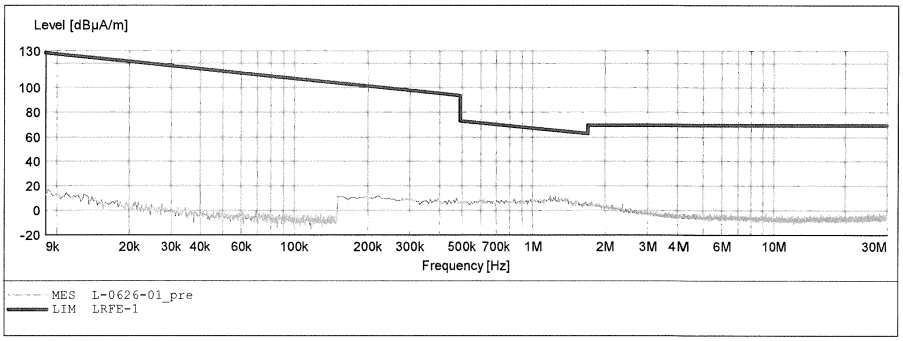
FCC Class B 3M Radiated

EUT:	Control box M/N:MC307-M2-W
Manufacturer:	Limoss
Operating Condition:	TX 2422.999MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	DC 30V
Comment:	X
Start of Test:	2016-6-26 /

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

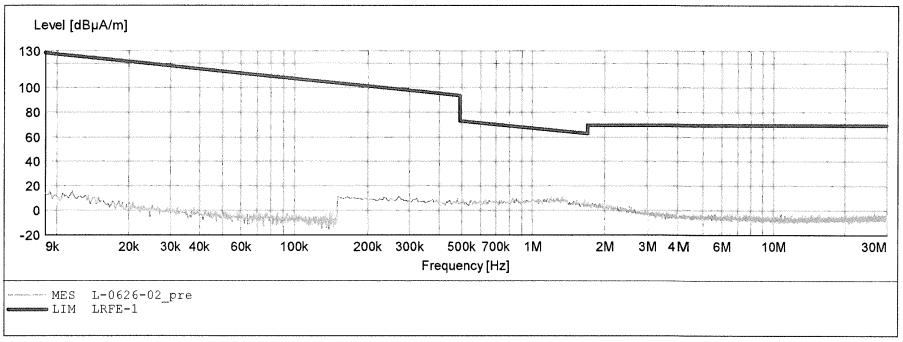
FCC Class B 3M Radiated

EUT:	Control box M/N:MC307-M2-W
Manufacturer:	Limoss
Operating Condition:	TX 2422.999MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	DC 30V
Comment:	Y
Start of Test:	2016-6-26 /

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

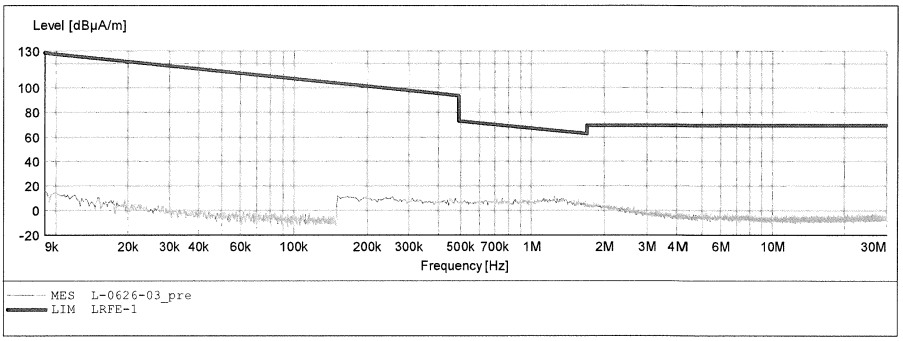
FCC Class B 3M Radiated

EUT:	Control box M/N:MC307-M2-W
Manufacturer:	Limoss
Operating Condition:	TX 2422.999MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	DC 30V
Comment:	Z
Start of Test:	2016-6-26 /

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

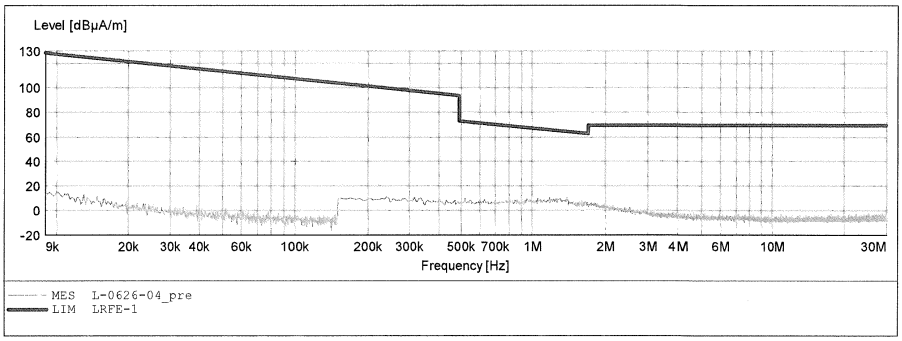
FCC Class B 3M Radiated

EUT:	Control box M/N:MC307-M2-W
Manufacturer:	Limoss
Operating Condition:	TX 2448.393MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	DC 30V
Comment:	X
Start of Test:	2016-6-26 /

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

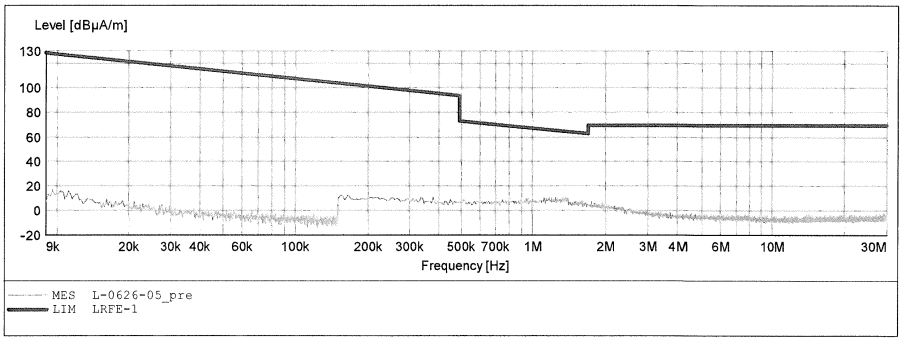
FCC Class B 3M Radiated

EUT:	Control box M/N:MC307-M2-W
Manufacturer:	Limoss
Operating Condition:	TX 2448.393MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	DC 30V
Comment:	Y
Start of Test:	2016-6-26 /

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

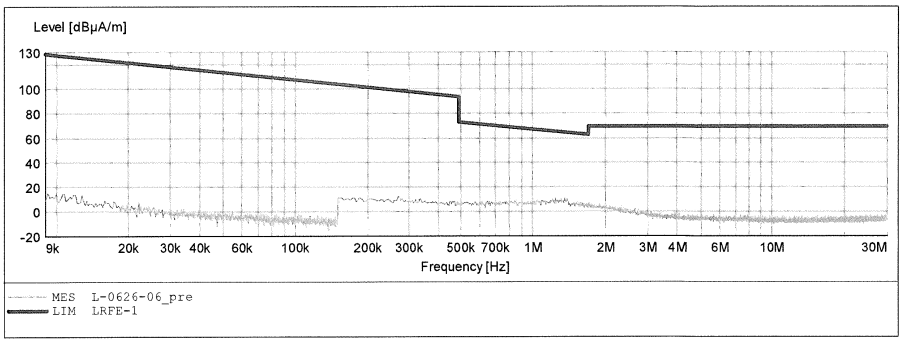
FCC Class B 3M Radiated

EUT:	Control box M/N:MC307-M2-W
Manufacturer:	Limoss
Operating Condition:	TX 2448.393MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	DC 30V
Comment:	Z
Start of Test:	2016-6-26 /

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

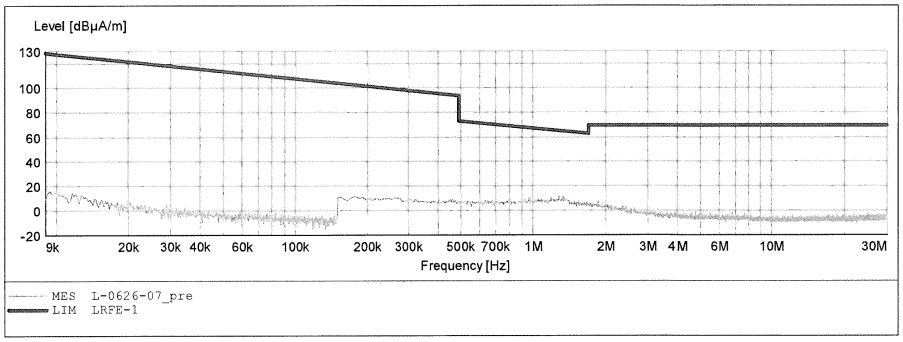
FCC Class B 3M Radiated

EUT:	Control box M/N:MC307-M2-W
Manufacturer:	Limoss
Operating Condition:	TX 2473.987MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	DC 30V
Comment:	X
Start of Test:	2016-6-26 /

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

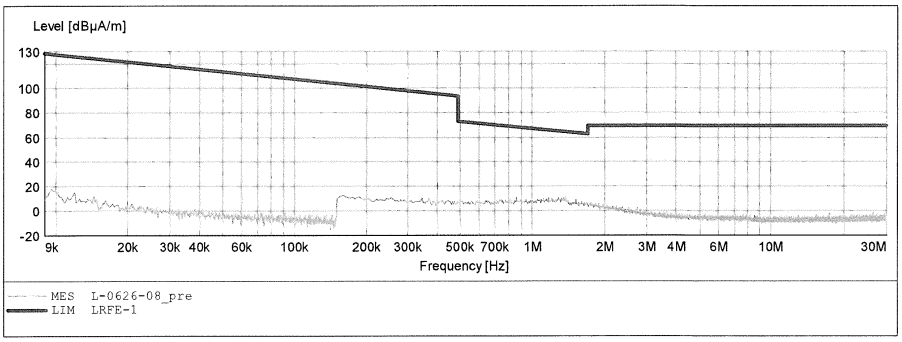
FCC Class B 3M Radiated

EUT:	Control box M/N:MC307-M2-W
Manufacturer:	Limoss
Operating Condition:	TX 2473.987MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	DC 30V
Comment:	Y
Start of Test:	2016-6-26 /

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

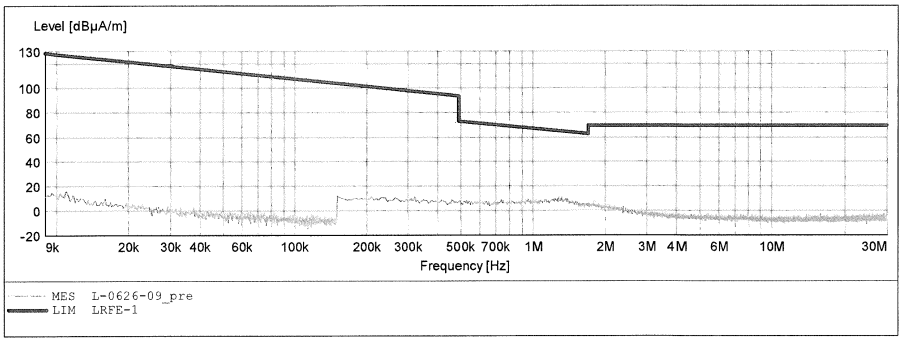
FCC Class B 3M Radiated

EUT:	Control box M/N:MC307-M2-W
Manufacturer:	Limoss
Operating Condition:	TX 2473.987MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	DC 30V
Comment:	Z
Start of Test:	2016-6-26 /

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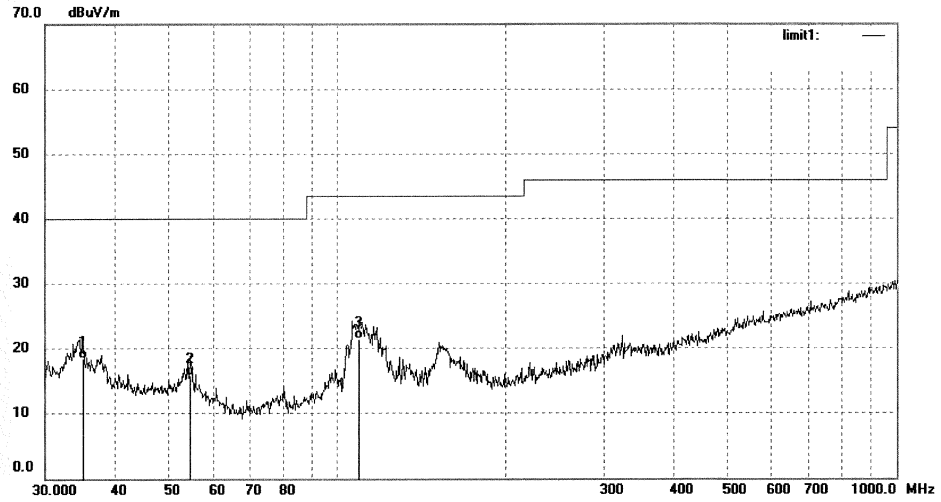
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2280	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: MC307-M2-W	
Manufacturer: Limoss	

Note:



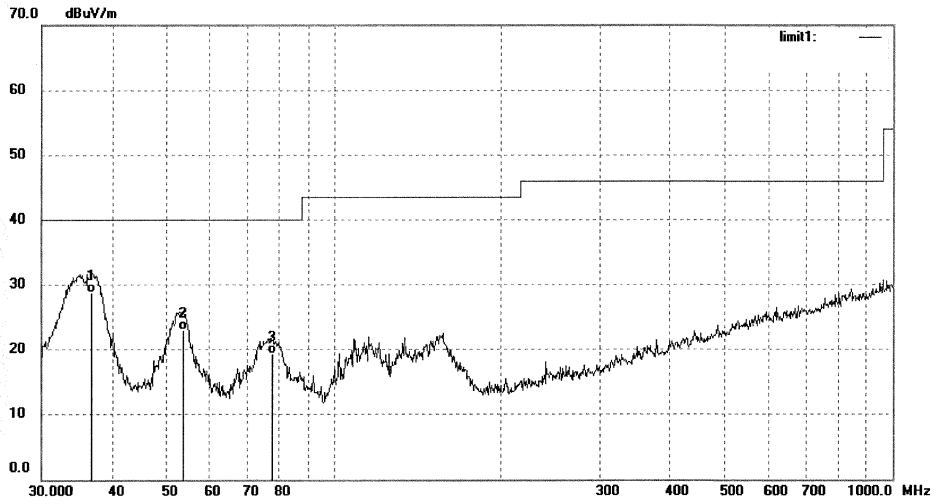
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.0048	28.92	-10.42	18.50	40.00	-21.50	QP			
2	54.4515	28.81	-12.94	15.87	40.00	-24.13	QP			
3	109.4116	35.28	-13.91	21.37	43.50	-22.13	QP			

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 #2281	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: MC307-M2-W	
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	36.7661	39.61	-10.81	28.80	40.00	-11.20	QP			
2	53.6931	35.89	-12.88	23.01	40.00	-16.99	QP			
3	77.5927	36.02	-16.63	19.39	40.00	-20.61	QP			

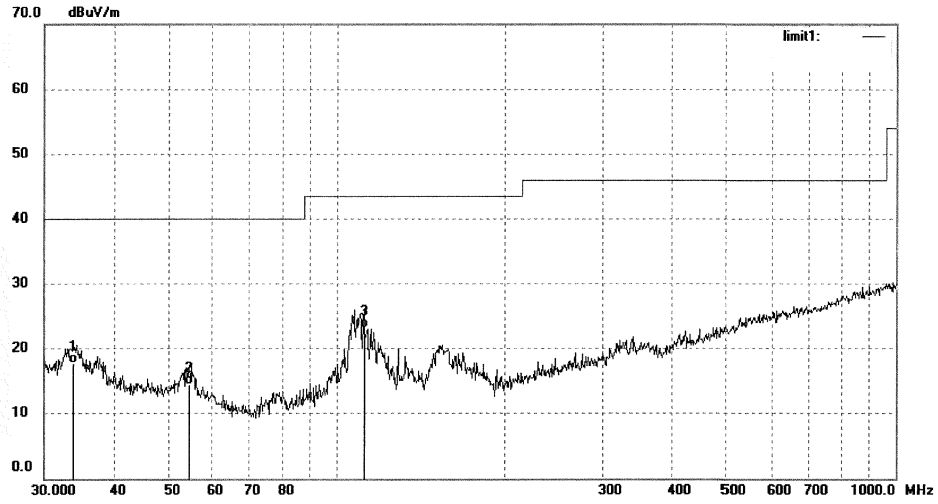
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2283
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Control box
Mode: TX 2448.393MHz
Model: MC307-M2-W
Manufacturer: Limoss

Polarization: Horizontal
Power Source: DC 30V
Date: 16/06/26/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



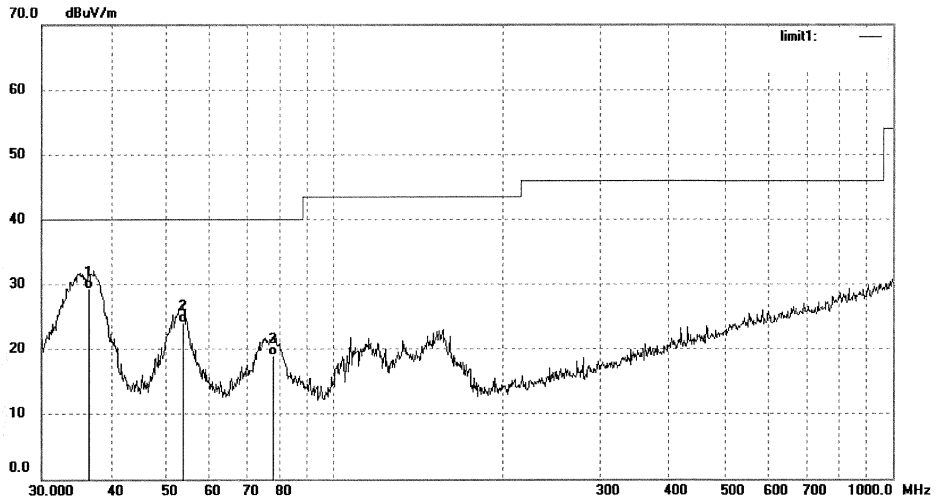
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	33.7986	28.08	-10.30	17.78	40.00	-22.22	QP			
2	54.4515	27.38	-12.94	14.44	40.00	-25.56	QP			
3	112.1304	36.77	-13.58	23.19	43.50	-20.31	QP			

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 #2282	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2448.393MHz	Distance: 3m
Model: MC307-M2-W	
Manufacturer: Limoss	

Note:



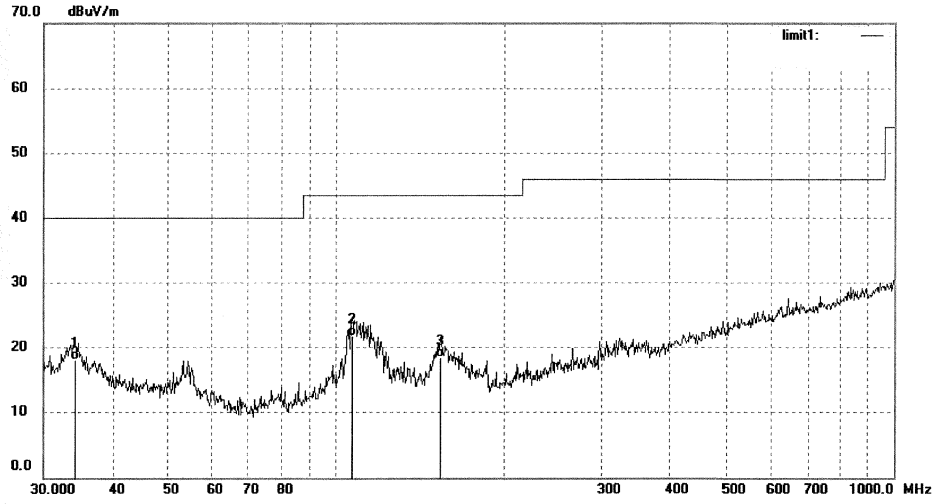
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.3813	40.01	-10.73	29.28	40.00	-10.72	QP			
2	53.6931	36.95	-12.88	24.07	40.00	-15.93	QP			
3	77.8653	35.53	-16.62	18.91	40.00	-21.09	QP			

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 #2284	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: MC307-M2-W	
Manufacturer: Limoss	

Note:



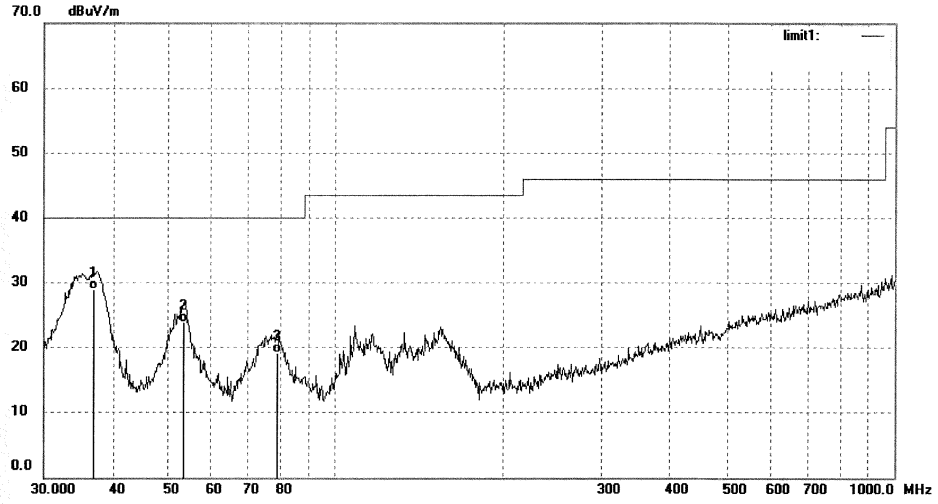
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.1561	28.41	-10.33	18.08	40.00	-21.92	QP			
2	107.1337	35.76	-13.93	21.83	43.50	-21.67	QP			
3	154.2786	33.65	-15.11	18.54	43.50	-24.96	QP			

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 #2285	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: MC307-M2-W	
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	36.7661	39.80	-10.81	28.99	40.00	-11.01	QP			
2	53.5052	36.79	-12.87	23.92	40.00	-16.08	QP			
3	78.6888	35.70	-16.58	19.12	40.00	-20.88	QP			

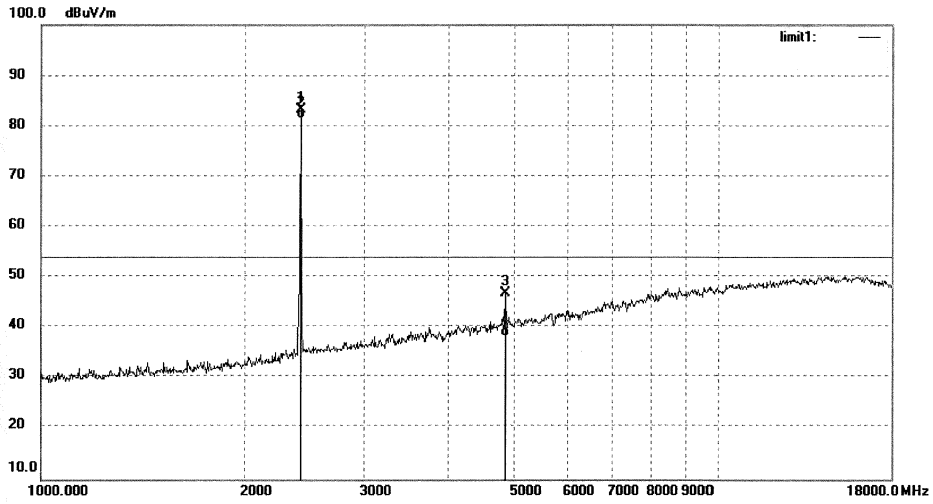
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2264
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Control box
Mode: TX 2422.999MHz
Model: MC307-M2-W
Manufacturer: Limoss

Polarization: Horizontal
Power Source: DC 30V
Date: 16/06/26/
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	90.56	-7.40	83.16	114.00	-30.84	peak			
2	2422.999	88.86	-7.40	81.46	94.00	-12.54	AVG			
3	4846.002	46.89	-0.06	46.83	74.00	-27.17	peak			
4	4846.002	38.31	-0.06	38.25	54.00	-15.75	AVG			

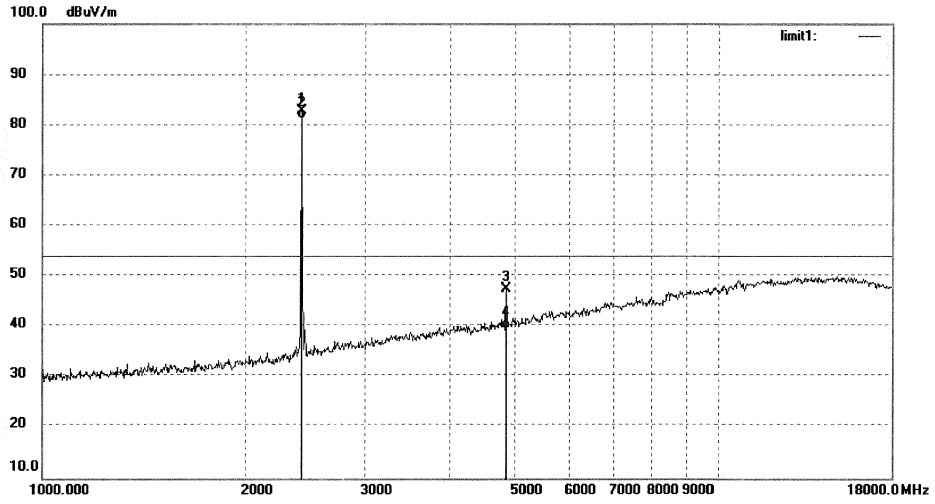
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2265
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Control box
Mode: TX 2422.999MHz
Model: MC307-M2-W
Manufacturer: Limoss

Polarization: Vertical
Power Source: DC 30V
Date: 16/06/26/
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	90.24	-7.40	82.84	114.00	-31.16	peak			
2	2422.999	88.54	-7.40	81.14	94.00	-12.86	AVG			
3	4845.988	47.57	-0.06	47.51	74.00	-26.49	peak			
4	4845.988	39.68	-0.06	39.62	54.00	-14.38	AVG			

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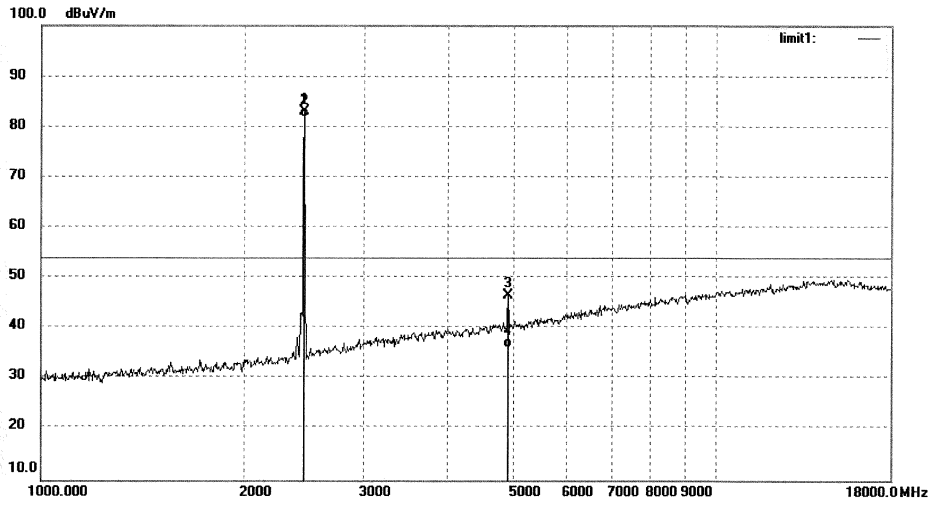
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGWADE #2267	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2448.393MHz	Distance: 3m
Model: MC307-M2-W	
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	90.37	-7.34	83.03	114.00	-30.97	peak			
2	2448.393	89.17	-7.34	81.83	94.00	-12.17	AVG			
3	4896.784	46.40	0.22	46.62	74.00	-27.38	peak			
4	4896.784	36.06	0.22	36.28	54.00	-17.72	AVG			

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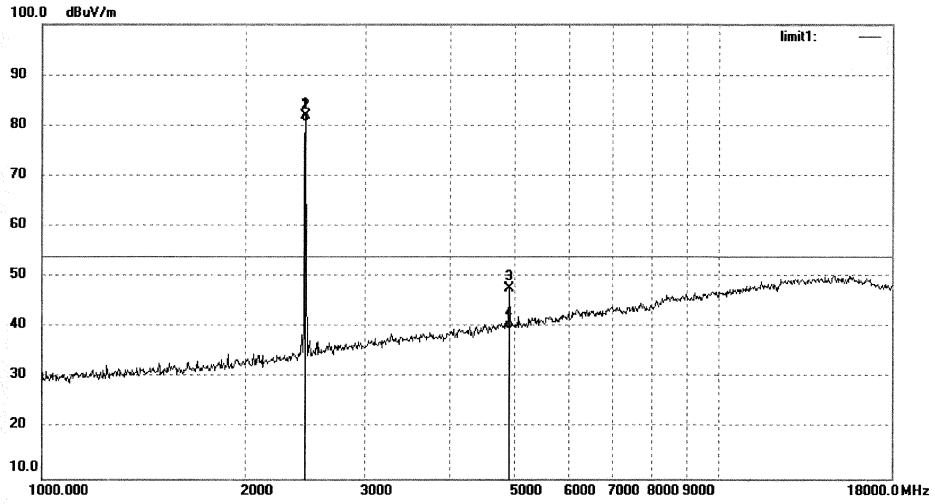
Fax:+86-0755-26503396

Job No.: LGWADE #2266	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2448.393MHz	Distance: 3m
Model: MC307-M2-W	
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	89.28	-7.34	81.94	114.00	-32.06	peak			
2	2448.393	88.08	-7.34	80.74	94.00	-13.26	AVG			
3	4896.795	47.54	0.22	47.76	74.00	-26.24	peak			
4	4896.795	39.43	0.22	39.65	54.00	-14.35	AVG			

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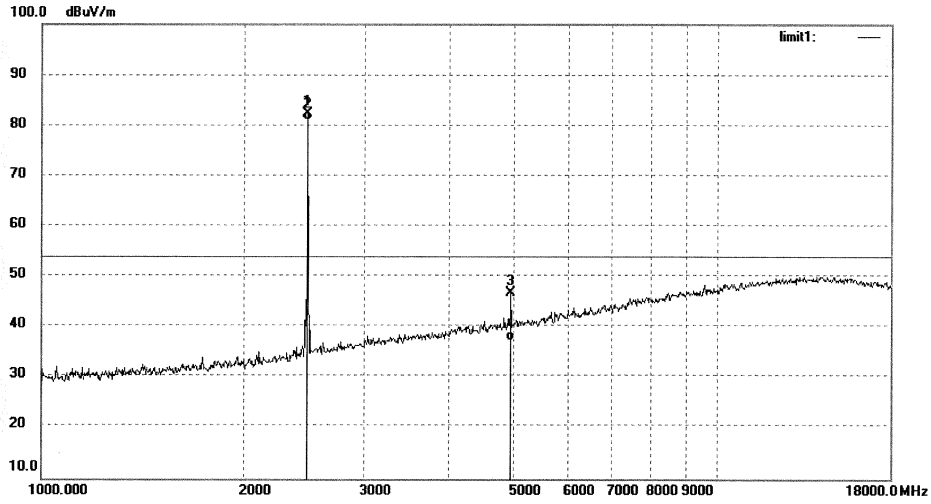
Fax:+86-0755-26503396

Job No.: LGWADE #2268	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: MC307-M2-W	
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	89.69	-7.37	82.32	114.00	-31.68	peak			
2	2473.987	88.29	-7.37	80.92	94.00	-13.08	AVG			
3	4947.971	46.24	0.46	46.70	74.00	-27.30	peak			
4	4947.971	36.79	0.46	37.25	54.00	-16.75	AVG			

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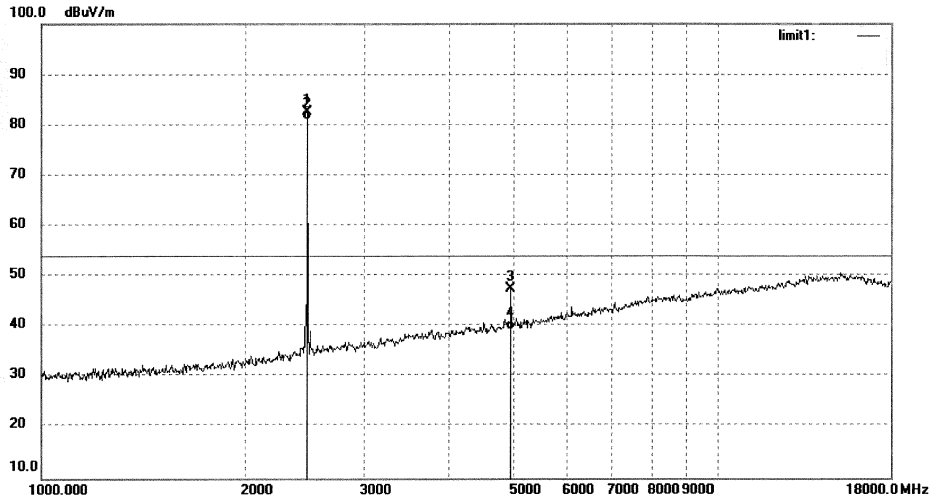
Job No.: LGWADE #2269
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Control box
Mode: TX 2473.987MHz
Model: MC307-M2-W
Manufacturer: Limoss

Polarization: Vertical
Power Source: DC 30V
Date: 16/06/26/
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	89.86	-7.37	82.49	114.00	-31.51	peak			
2	2473.987	88.46	-7.37	81.09	94.00	-12.91	AVG			
3	4947.969	46.96	0.46	47.42	74.00	-26.58	peak			
4	4947.969	38.80	0.46	39.26	54.00	-14.74	AVG			

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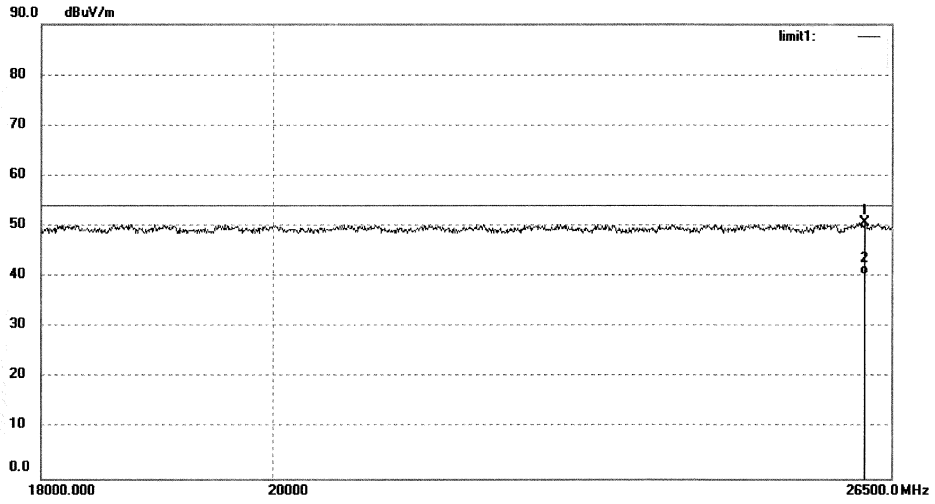
Fax:+86-0755-26503396

Job No.: LGWADE #2275	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: MC307-M2-W	
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	26184.163	34.23	16.50	50.73	74.00	-23.27	peak			
2	26184.163	23.78	16.50	40.28	54.00	-13.72	AVG			

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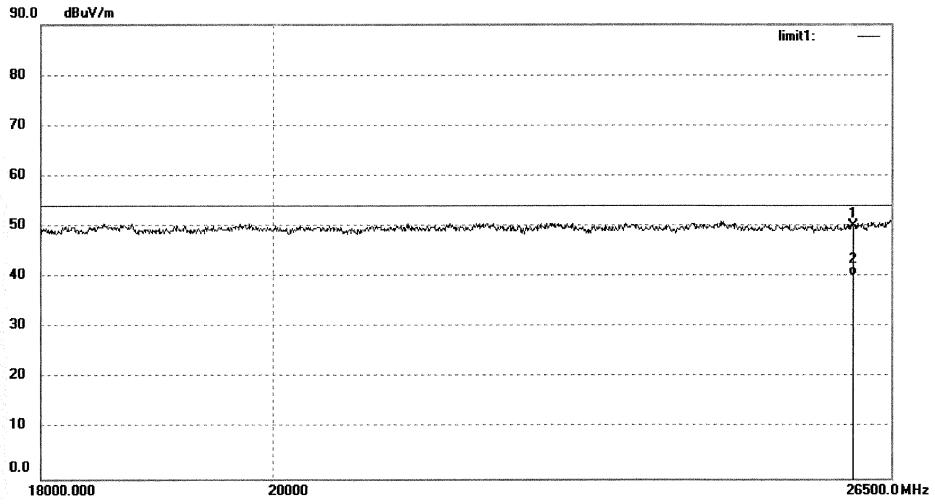
Fax:+86-0755-26503396

Job No.: LGWADE #2274	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: MC307-M2-W	
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	26042.764	32.96	17.20	50.16	74.00	-23.84	peak			
2	26042.764	23.03	17.20	40.23	54.00	-13.77	AVG			

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Site: 2# Chamber
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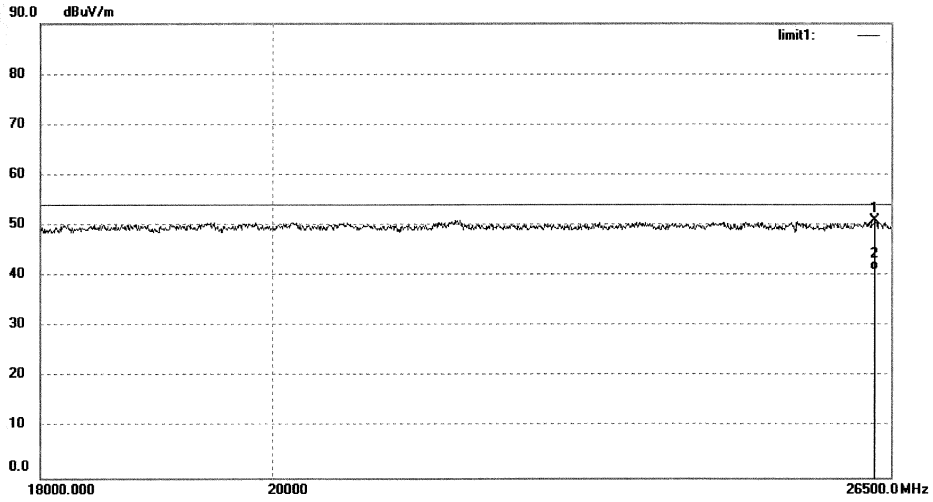
Job No.: LGWADE #2276	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2448.393MHz	Distance: 3m
Model: MC307-M2-W	
Manufacturer: Limoss	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26305.974	34.37	16.50	50.87	74.00	-23.13	peak			
2	26305.974	24.45	16.50	40.95	54.00	-13.05	AVG			

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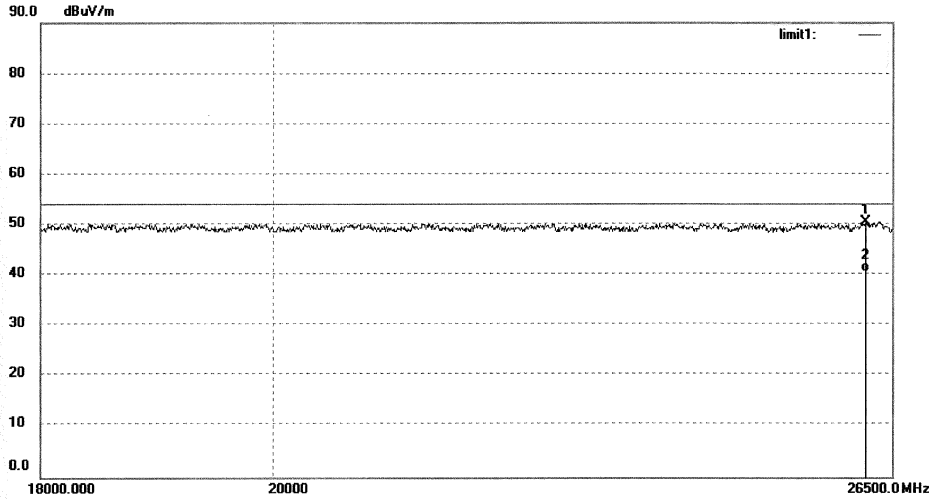
Fax:+86-0755-26503396

Job No.: LGWADE #2277	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2448.393MHz	Distance: 3m
Model: MC307-M2-W	
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	26184.163	33.33	17.11	50.44	74.00	-23.56	peak			
2	26184.163	23.45	17.11	40.56	54.00	-13.44	AVG			

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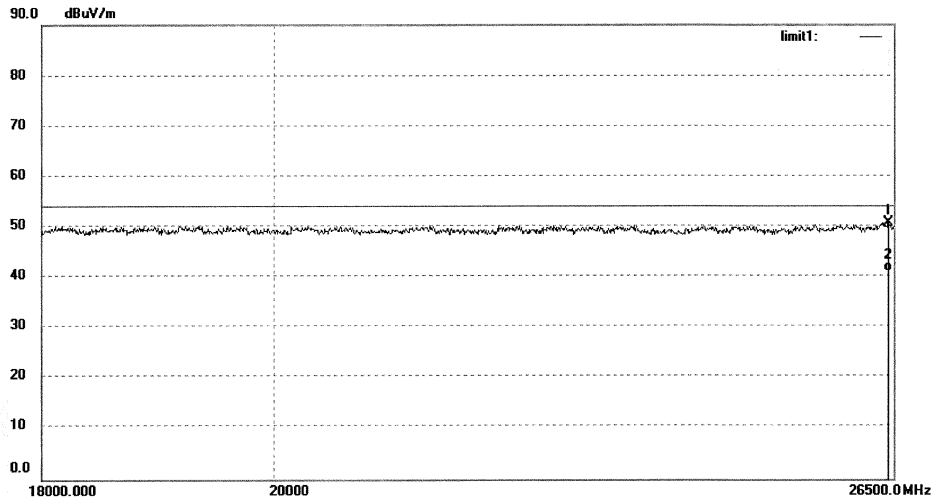
Fax:+86-0755-26503396

Job No.: LGWADE #2279	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: MC307-M2-W	
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	26438.574	34.25	16.50	50.75	74.00	-23.25	peak			
2	26438.574	24.45	16.50	40.95	54.00	-13.05	AVG			

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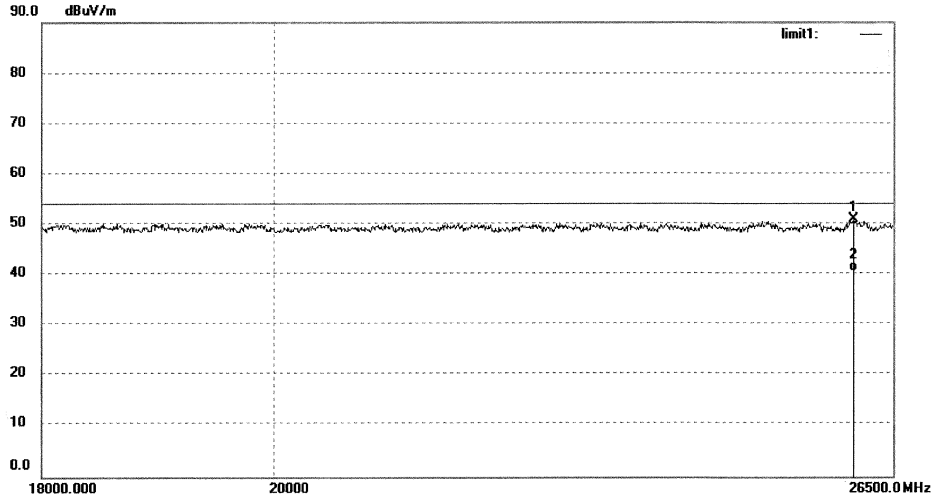
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGWADE #2278	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: MC307-M2-W	
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	26012.563	33.64	17.22	50.86	74.00	-23.14	peak			
2	26012.563	23.47	17.22	40.69	54.00	-13.31	AVG			

Test Plot of Frequency Band Edge

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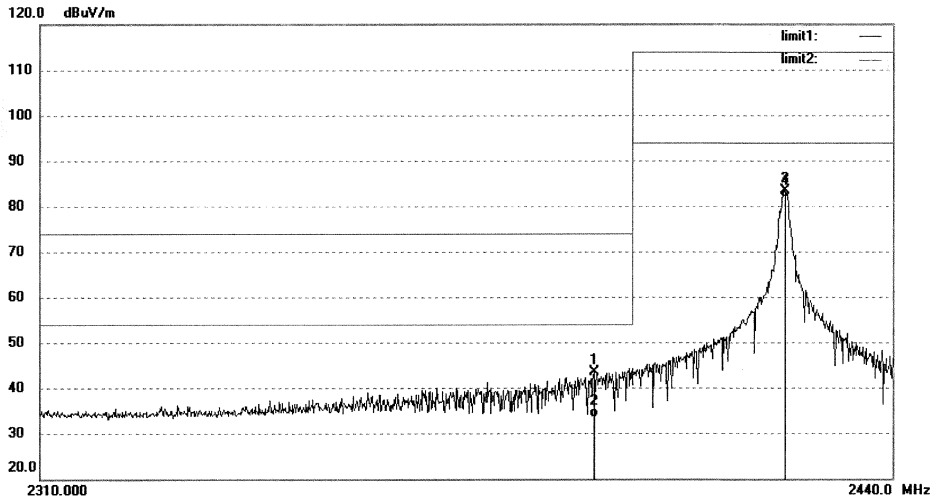
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGWADE #2272	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: MC307-M2-W	
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	2393.850	50.84	-7.50	43.34	74.00	-30.66	peak			
2	2393.850	40.78	-7.50	33.28	54.00	-20.72	AVG			
3	2422.999	90.88	-7.40	83.48	114.00	-30.52	peak			
4	2422.999	89.18	-7.40	81.78	94.00	-12.22	AVG			

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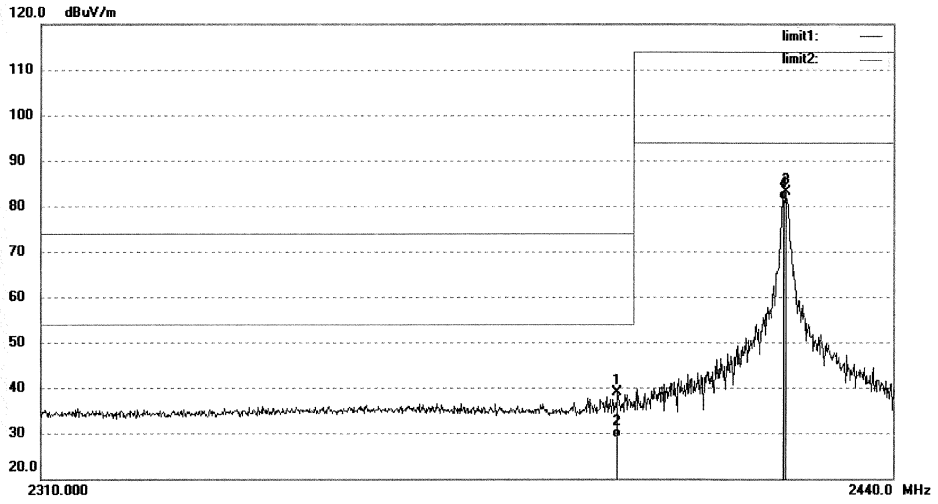
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGWADE #2273	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2422.999MHz	Distance: 3m
Model: MC307-M2-W	
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	2397.230	46.47	-7.48	38.99	74.00	-35.01	peak			
2	2397.230	36.29	-7.48	28.81	54.00	-25.19	AVG			
3	2422.999	90.58	-7.40	83.18	114.00	-30.82	peak			
4	2422.999	88.88	-7.40	81.48	94.00	-12.52	AVG			

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Site: 2# Chamber
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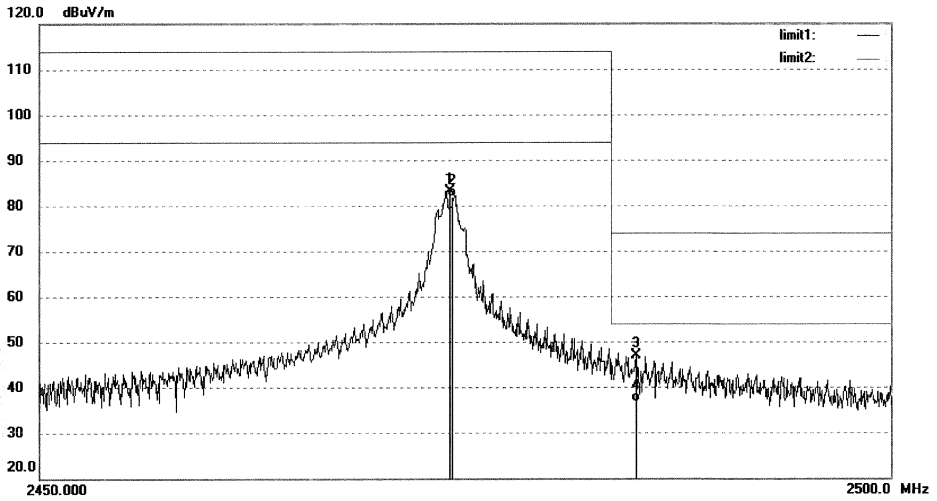
Job No.: LGWADE #2271
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Control box
Mode: TX 2473.987MHz
Model: MC307-M2-W
Manufacturer: Limoss

Polarization: Horizontal
Power Source: DC 30V
Date: 16/06/26/
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	90.58	-7.37	83.21	114.00	-30.79	peak			
2	2473.987	89.18	-7.37	81.81	94.00	-12.19	AVG			
3	2485.000	54.19	-7.38	46.81	74.00	-27.19	peak			
4	2485.000	43.96	-7.38	36.58	54.00	-17.42	AVG			

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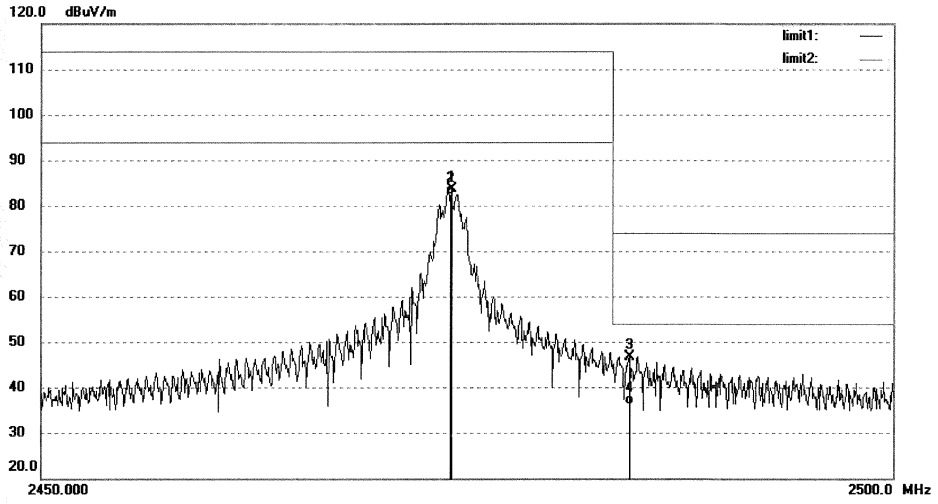
Fax:+86-0755-26503396

Job No.: LGWADE #2270	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 30V
Test item: Radiation Test	Date: 16/06/26/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Control box	Engineer Signature: LGWADE
Mode: TX 2473.987MHz	Distance: 3m
Model: MC307-M2-W	
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	91.04	-7.37	83.67	114.00	-30.33	peak			
2	2473.987	89.64	-7.37	82.27	94.00	-11.73	AVG			
3	2484.500	53.94	-7.38	46.56	74.00	-27.44	peak			
4	2484.500	43.61	-7.38	36.23	54.00	-17.77	AVG			

5.1.5 Conducted emissions

RESULT: **Pass**

Date of testing	:	2017-04-07
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

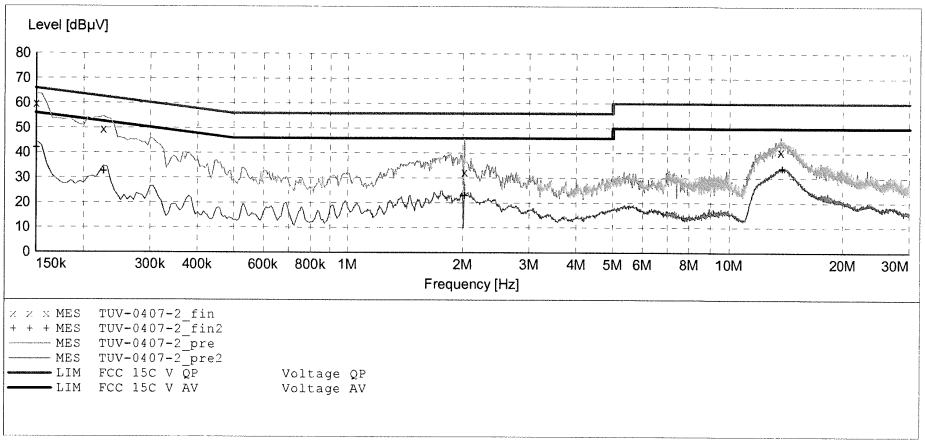
CONDUCTED EMISSION STANDARD FCC PART 15 C

EUT: Control box M/N:MC307-M2-W
Manufacturer: Limoss
Operating Condition: TX
Test Site: 1#Shielding Room
Operator: WADE
Test Specification: L 120V/60Hz
Comment: Mains Port
Start of Test: 4/7/2017 /

SCAN TABLE: "V 9K-30MHz 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 Average	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "TUV-0407-2_fin"

4/7/2017

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	59.80	10.5	66	6.2	QP	L1	GND
0.225000	49.50	10.6	63	13.1	QP	L1	GND
2.020000	32.40	11.0	56	23.6	QP	L1	GND
13.630000	40.70	11.3	60	19.3	QP	L1	GND

MEASUREMENT RESULT: "TUV-0407-2_fin2"

4/7/2017

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	41.90	10.5	56	14.1	AV	L1	GND
0.225000	32.50	10.6	53	20.1	AV	L1	GND
2.020000	22.80	11.0	46	23.2	AV	L1	GND
13.735000	33.80	11.3	50	16.2	AV	L1	GND

ACCURATE TECHNOLOGY CO.,LTD

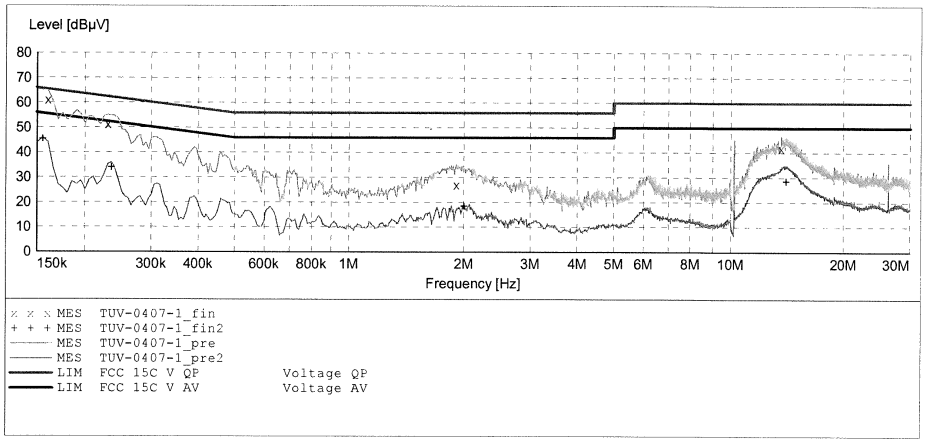
CONDUCTED EMISSION STANDARD FCC PART 15 C

```
EUT:                  Control box M/N:MC307-M2-W
Manufacturer:         Limoss
Operating Condition:  TX
Test Site:            1#Shielding Room
Operator:             WADE
Test Specification:   N 120V/60Hz
Comment:              Mains Port
Start of Test:        4/7/2017 /
```

SCAN TABLE: "V 9K-30MHz 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 Average	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "TUV-0407-1_fin"

4/7/2017

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.160000	61.10	10.5	66	4.4	QP	N	GND
0.230000	51.30	10.6	62	11.1	QP	N	GND
1.910000	26.90	11.0	56	29.1	QP	N	GND
13.600000	41.80	11.3	60	18.2	QP	N	GND

MEASUREMENT RESULT: "TUV-0407-1_fin2"

4/7/2017

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.155000	45.30	10.5	56	10.4	AV	N	GND
0.235000	33.90	10.6	52	18.4	AV	N	GND
2.000000	18.40	11.0	46	27.6	AV	N	GND
14.005000	28.50	11.4	50	21.5	AV	N	GND

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: **Pass**

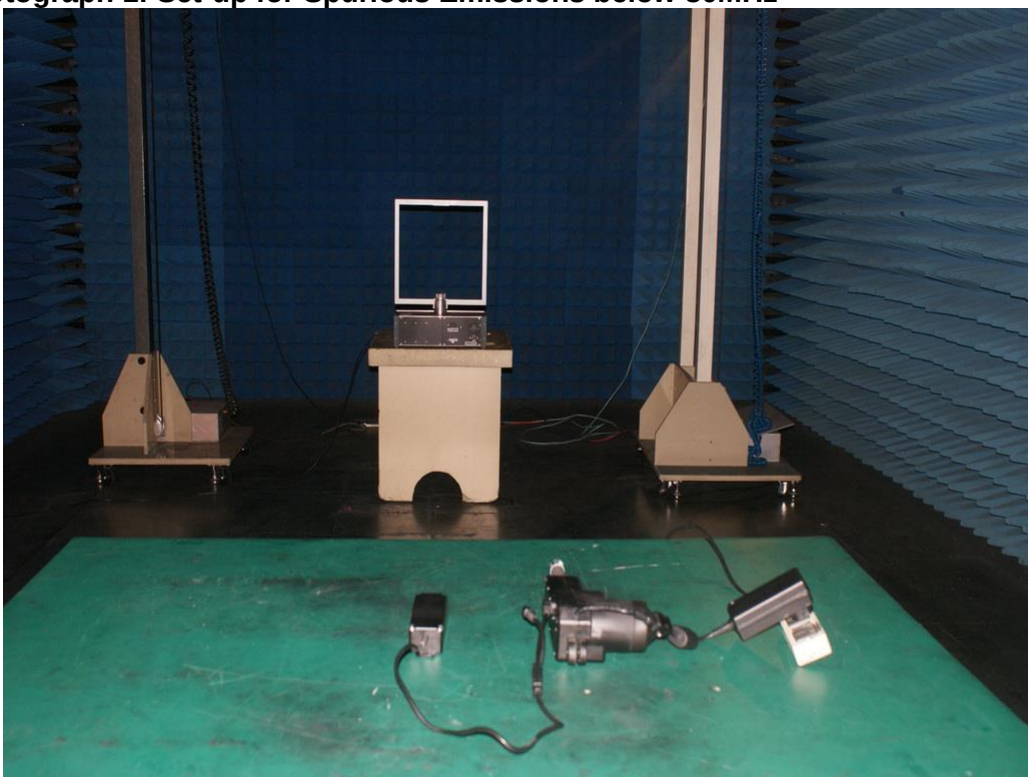
Test standard : RSS-102 Issue 5 March 2015
FCC KDB Publication 447498 D01 v06

The maximum output power of the transmitter is 0.0621mW (-12.1dBm) 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.

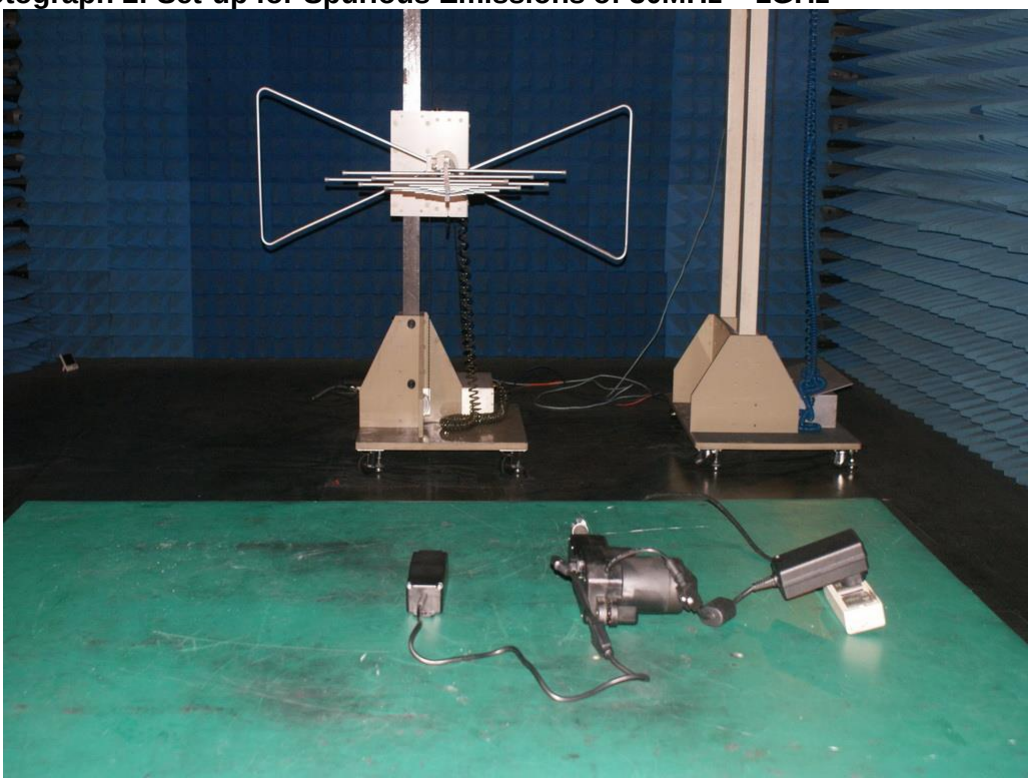
Since maximum output power of the transmitter is 0.0457mW<1496mW, and the distance from EUT to human is ≥200mm, hence the EUT is exclueded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.

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