

Prüfbericht-Nr.: <i>Test Report No.:</i>	50077803 001	Auftrags-Nr.: <i>Order No.:</i>	164061391	Seite 1 von 64 <i>Page 1 of 64</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	21.04.2016	
Auftraggeber: <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			
Prüfgegenstand: <i>Test item:</i>	Motor Controller			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	MC2xx-a-Myz-W-dd (for the detailed of variables 'xx', 'y', 'z', 'a' and 'dd', refer to clause 3.1 of test report.)			
Auftrags-Inhalt: <i>Order content:</i>	FCC/IC Certification			
Prüfgrundlage: <i>Test specification:</i>	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: <i>Date of receipt:</i>	10.06.2016			
Prüfmuster-Nr.: <i>Test sample No.:</i>	1601078			
Prüfzeitraum: <i>Testing period:</i>	18.06.2016 - 29.06.2016			
Ort der Prüfung: <i>Place of testing:</i>	Accurate Technology Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:  17.04.2017 Andy Yan/Project Manager Datum Name / Stellung Date Name / Position Unterschrift Signature		kontrolliert von / reviewed by:  17.04.2017 Owen Tian/Technical Certicier Datum Name / Stellung Date Name / Position Unterschrift Signature		
Sonstiges / Other:  FCC ID: 2AH9H-MC2XX IC: 21543-MC2XX				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* Legende: P(pass) = entspricht o.g. Prüfgrundlage(n) Legend: P(pass) = passed a.m. test specification(s)	1 = sehr gut 2 = gut 3 = befriedigend F(all) = entspricht nicht o.g. Prüfgrundlage(n) 3 = satisfactory F(all) = failed a.m. test specification(s)	4 = ausreichend N/A = nicht anwendbar 4 = sufficient N/A = not applicable	5 = mangelhaft N/T = nicht getestet 5 = poor N/T = not tested	
<p>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.</p> <p>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.</p>				
<small>v04</small>				

**Prüfbericht - Nr.:** 50077803 001  
*Test Report No.*

Seite 2 von 64  
Page 2 of 64

## 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

<b>1. GENERAL REMARKS .....</b>	<b>4</b>
<b>1.1 COMPLEMENTARY MATERIALS .....</b>	<b>4</b>
<b>2. TEST SITES .....</b>	<b>4</b>
<b>2.1 TEST FACILITIES .....</b>	<b>4</b>
<b>2.2 LIST OF TEST AND MEASUREMENT INSTRUMENTS.....</b>	<b>5</b>
<b>2.3 TRACEABILITY .....</b>	<b>6</b>
<b>2.4 CALIBRATION .....</b>	<b>6</b>
<b>2.5 MEASUREMENT UNCERTAINTY.....</b>	<b>6</b>
<b>2.6 LOCATION OF ORIGINAL DATA.....</b>	<b>6</b>
<b>2.7 STATUS OF FACILITY USED FOR TESTING.....</b>	<b>6</b>
<b>3. GENERAL PRODUCT INFORMATION .....</b>	<b>7</b>
<b>3.1 PRODUCT FUNCTION AND INTENDED USE.....</b>	<b>7</b>
<b>3.2 RATINGS AND SYSTEM DETAILS .....</b>	<b>7</b>
<b>3.3 INDEPENDENT OPERATION MODES .....</b>	<b>7</b>
<b>3.4 NOISE GENERATING AND NOISE SUPPRESSING PARTS .....</b>	<b>8</b>
<b>3.5 SUBMITTED DOCUMENTS .....</b>	<b>8</b>
<b>4. TEST SET-UP AND OPERATION MODES .....</b>	<b>9</b>
<b>4.1 PRINCIPLE OF CONFIGURATION SELECTION.....</b>	<b>9</b>
<b>4.2 TEST OPERATION AND TEST SOFTWARE .....</b>	<b>9</b>
<b>4.3 SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT .....</b>	<b>9</b>
<b>4.4 COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE.....</b>	<b>9</b>
<b>4.5 TEST SETUP DIAGRAM .....</b>	<b>10</b>
<b>5. TEST RESULTS .....</b>	<b>12</b>
<b>5.1 TRANSMITTER REQUIREMENT &amp; TEST SUITES .....</b>	<b>12</b>
5.1.1 <i>Antenna Requirement .....</i>	<b>12</b>
5.1.2 <i>20dB Bandwidth and 99% Bandwidth.....</i>	<b>13</b>
5.1.3 <i>Fundamental &amp; Harmonics Radiated Emission .....</i>	<b>18</b>
5.1.4 <i>Radiated emissions outside of the band .....</i>	<b>25</b>
5.1.5 <i>Conducted emissions .....</i>	<b>57</b>
<b>6. SAFETY HUMAN EXPOSURE .....</b>	<b>60</b>
<b>6.1 RADIO FREQUENCY EXPOSURE COMPLIANCE.....</b>	<b>60</b>
6.1.1 <i>Electromagnetic Fields .....</i>	<b>60</b>
<b>7. PHOTOGRAPHS OF THE TEST SET-UP .....</b>	<b>61</b>
<b>8. LIST OF TABLES .....</b>	<b>64</b>
<b>9. LIST OF PHOTOGRAPHS .....</b>	<b>64</b>

**Prüfbericht - Nr.:** 50077803 001  
*Test Report No.*

Seite 4 von 64  
*Page 4 of 64*

## 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	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
<b>Radio Spectrum Test</b>				
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
<b>Conducted Emission</b>				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2017-01-09
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2017-01-09
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2017-01-09
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2017-01-09
Voltage Probe	Schwarzbeck	TK9416	N/A	2017-01-09
RF Current Probe	Rohde & Schwarz	EZ-17	100048	2017-01-09
8-Wire Impedance Stabilisation Network	Schwarzbeck	CAT5 8158	8158-0035	2017-01-09
RF Coaxial Cable	Suhner	N-2m	No.2	2017-01-09
RF Coaxial Cable	Suhner	N-2m	No.3	2017-01-09
RF Coaxial Cable	Suhner	N-2m	No.14	2017-01-09

## 2.3 Traceability

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

## 2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis 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 models are identical in circuit, PCB layout & electrical component.  
The meaning of variables in model name:  
xx = 10, 10E or 20, stand for different model name;  
y = 1 - 4, stand for the external motor quantity;  
z = 0, 1, or 2, stand for the non linear external motor quantity;  
a = A, B, C or blank, stand for different input current;  
dd = N0, N1 or N2, stand for the number of external 9V battery;  
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	Motor Controller
Type Designation	MC2xx-a-Myz-W-dd
FCC ID	2AH9H-MC2XX
IC	21543-MC2XX
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 29V
Modulation	MSK
Antenna Gain	-3.4dBi

### 3.3 Independent Operation Modes

The basic operation modes are:

- A. On
  - 1. Transmitting
  - 2. Receiving
- B. Off

**Prüfbericht - Nr.:** 50077803 001  
*Test Report No.*

Seite 8 von 64  
Page 8 of 64

### 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 MC220-M32-W-N0.

### 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, 1.6-1.7A; 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

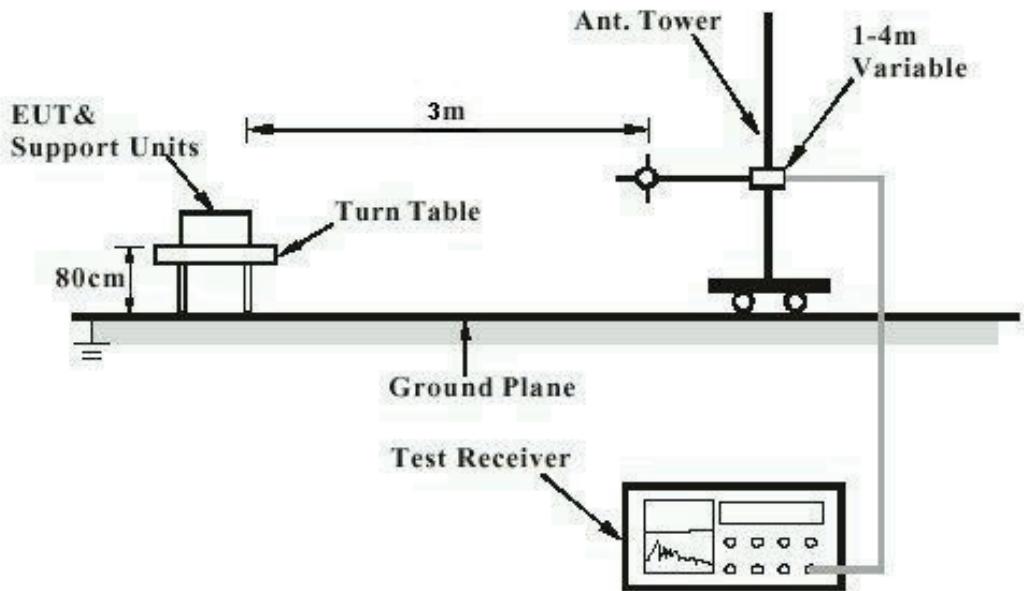
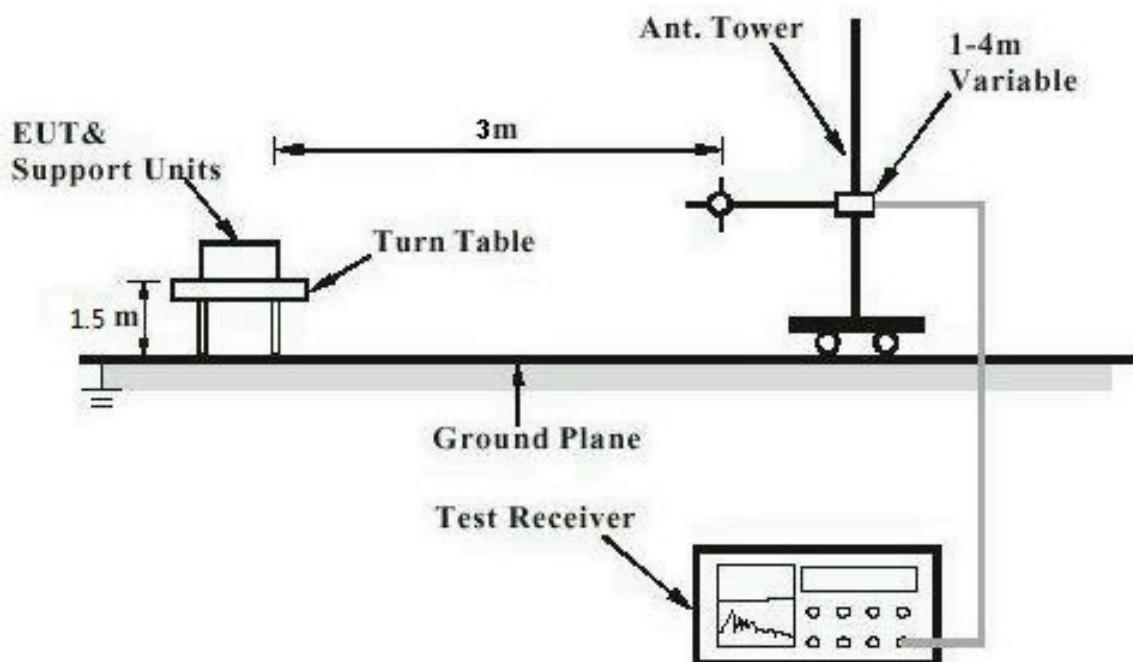
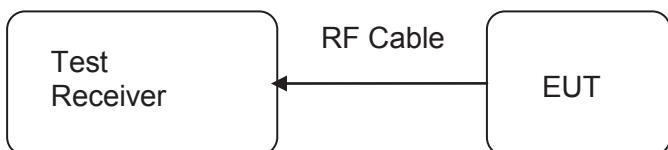
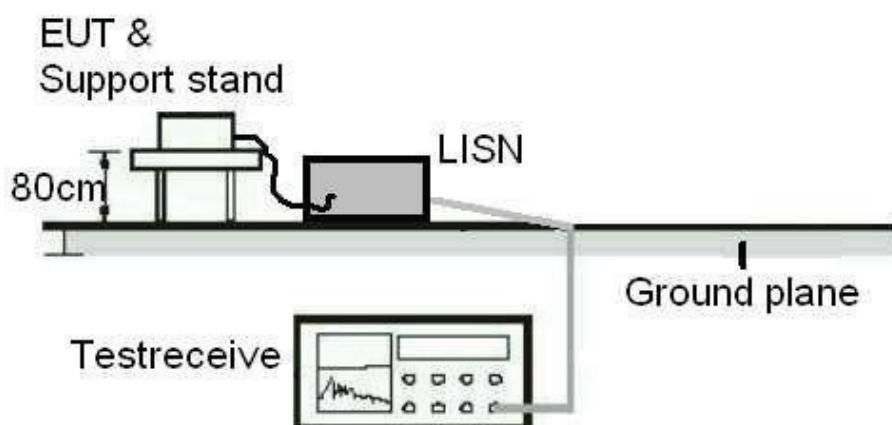


Diagram of Measurement Configuration for Radiation Test for above 1GHz



**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 internal antenna, the directional gain of antenna is -3.4dBi, therefore the EUT is considered sufficient to comply with the provision.

**Prüfbericht - Nr.:** 50077803 001  
*Test Report No.*Seite 13 von 64  
Page 13 of 64**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

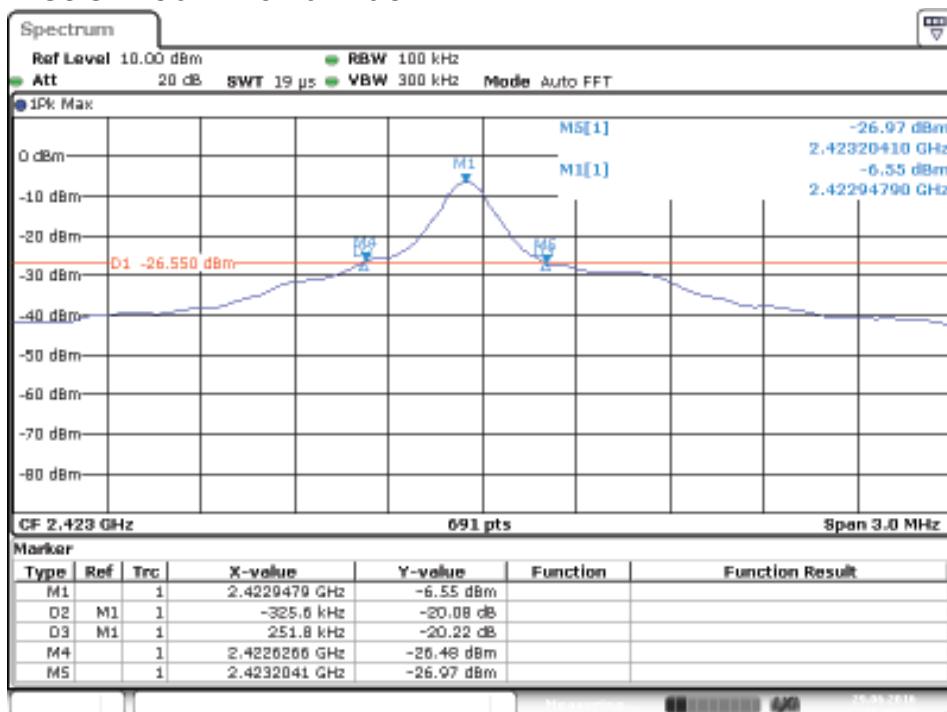
**Test setup**

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

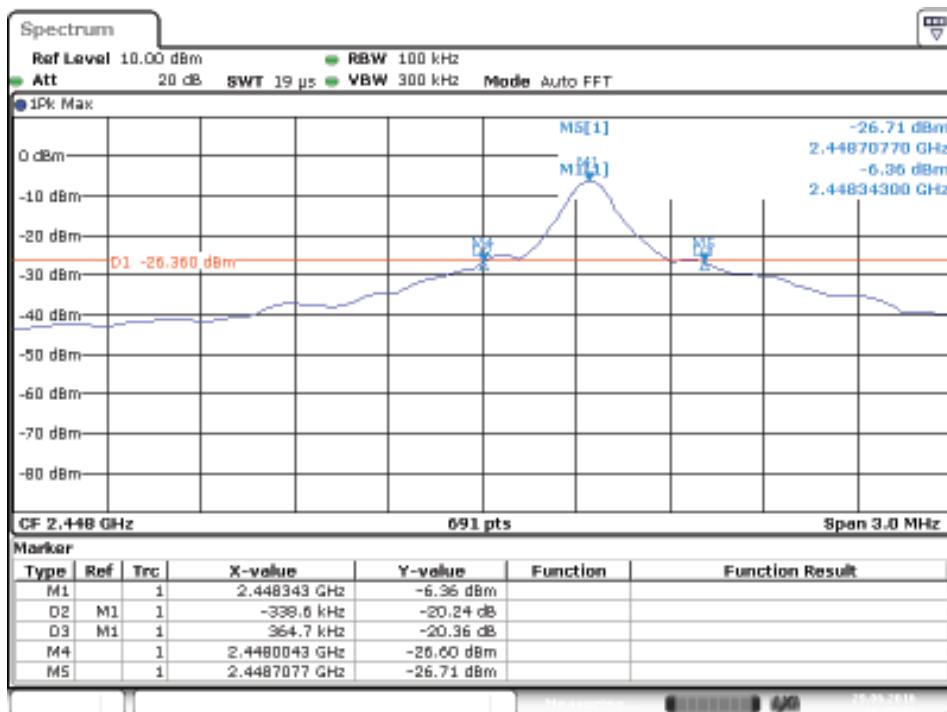
**Table 4: Test result of 20dB & 99% Bandwidth**

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2422.999	0.577	1.051
Mid Channel	2448.393	0.703	1.064
High Channel	2473.987	0.582	1.090

For details refer to following test plot.

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 14 von 64**  
*Page 14 of 64*
**Test Plot of 20dB Bandwidth**


Date: 29.JUN.2016 16:44:23

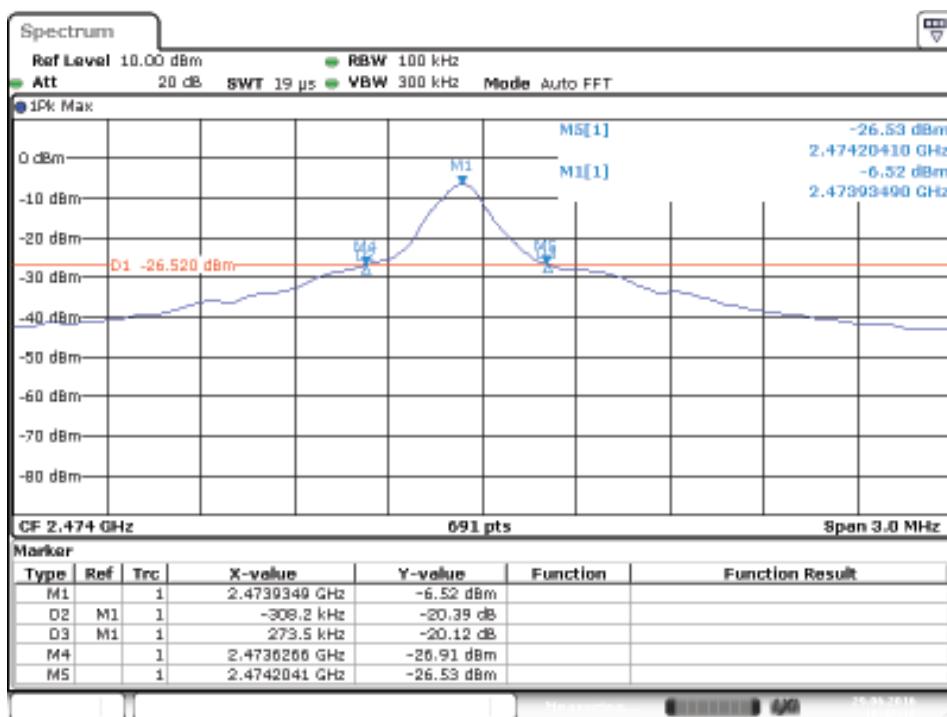


Date: 29.JUN.2016 16:45:57

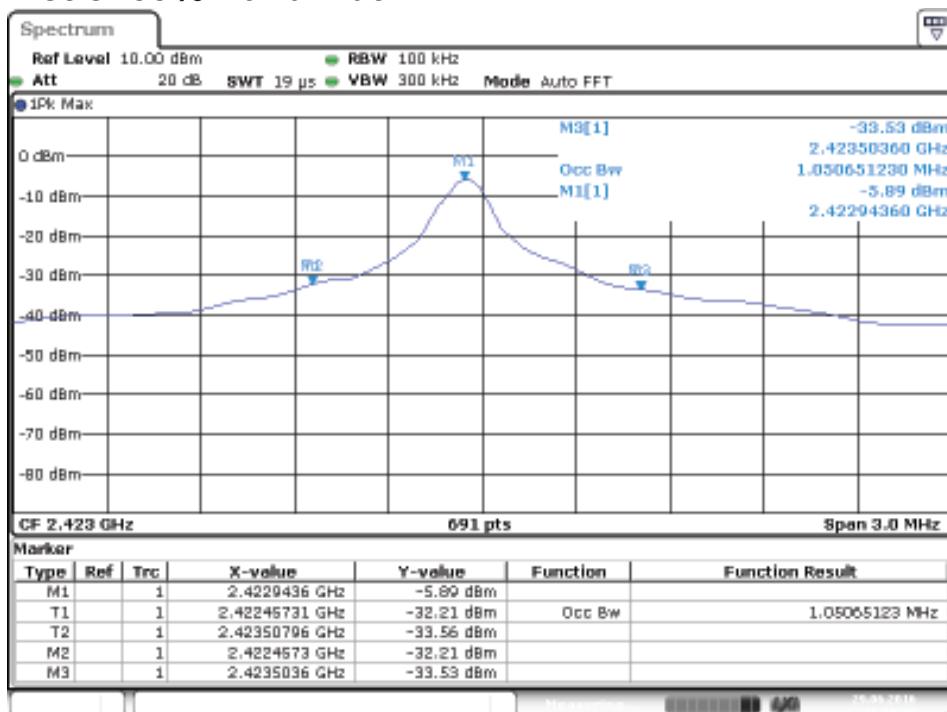
# Prüfbericht - Nr.: 50077803 001

*Test Report No.*

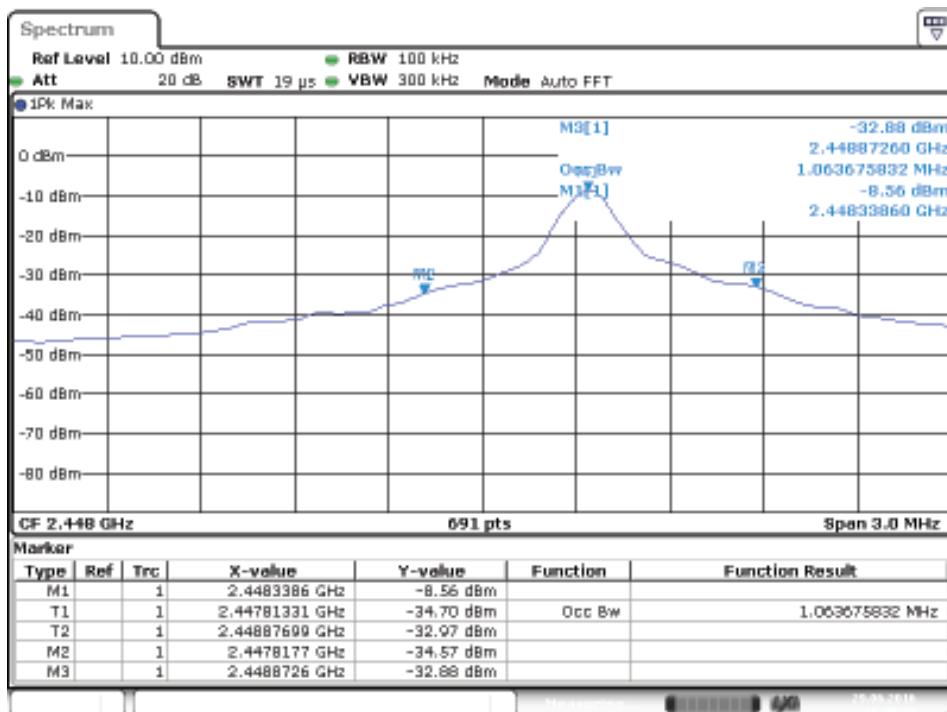
Seite 15 von 64  
*Page 15 of 64*



Date: 29.JUN.2016 16:47:16

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 16 von 64**  
*Page 16 of 64*
**Test Plot of 99% Bandwidth**


Date: 29.JUN.2016 16:50:24

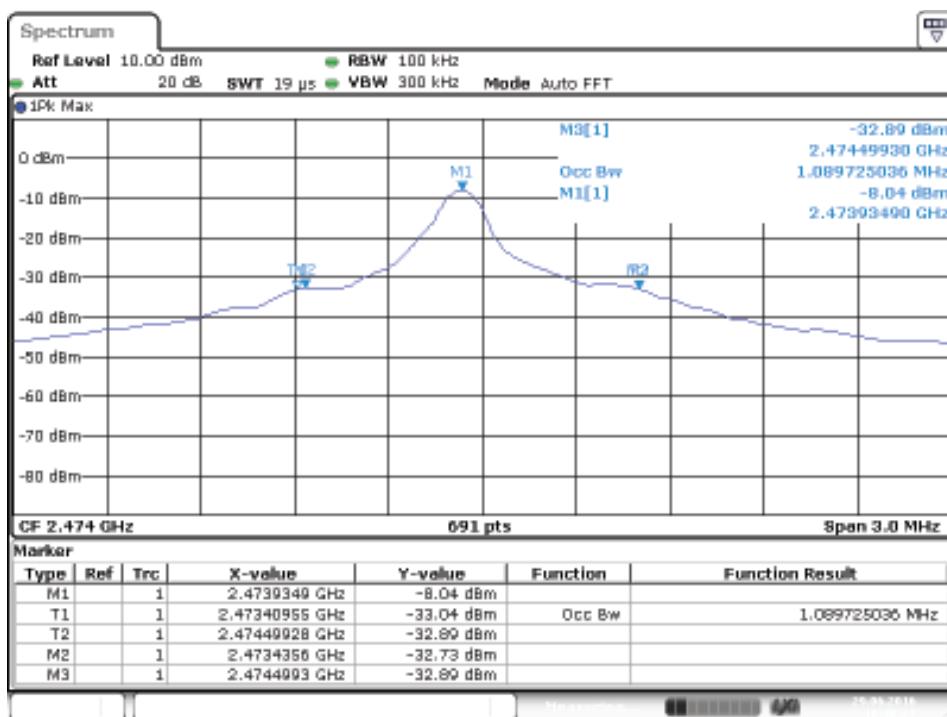


Date: 29.JUN.2016 16:49:24

# Prüfbericht - Nr.: 50077803 001

*Test Report No.*

Seite 17 von 64  
*Page 17 of 64*



Date: 29.JUN.2016 16:48:27

### 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°C
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

**Table 5: Polarization of the measurement for the larger power level  
channel 2473.987MHz: Horizontal**

Test conditions		Fundamental Frequency		Harmonic Frequency	
		2473.987MHz		14873.888	
$T_{\text{nom}}(25^{\circ}\text{C})$	Unit	(dB $\mu$ V/m)	(mV/m)	(dB $\mu$ V/m)	( $\mu$ V/m)
	Horizontal	82.84	13.868	50.23	324.713
	Vertical	82.70	13.646	49.49	298.195
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.

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 19 von 64**  
*Page 19 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

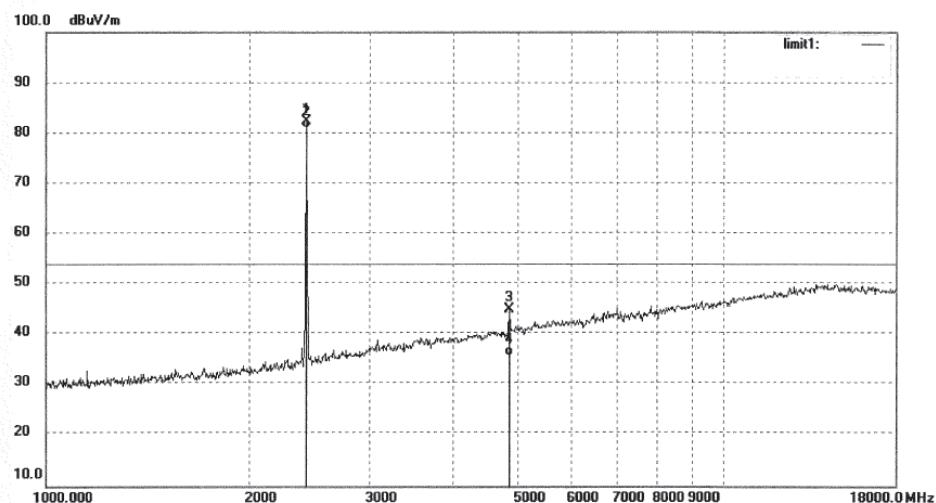
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2315  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp. ( C)/Hum.(%) 23 C / 48 %  
EUT: Control box  
Mode: TX 2422.999MHz  
Model: MC220-M32-W-N0  
Manufacturer: Limoss

Polarization: Horizontal  
Power Source: DC 29V  
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	89.85	-7.40	82.45	114.00	-31.55	peak			
2	2422.999	88.45	-7.40	81.05	94.00	-12.95	Avg			
3	4845.998	45.11	-0.06	45.05	74.00	-28.95	peak			
4	4845.998	35.74	-0.06	35.68	54.00	-18.32	Avg			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 20 von 64**  
*Page 20 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

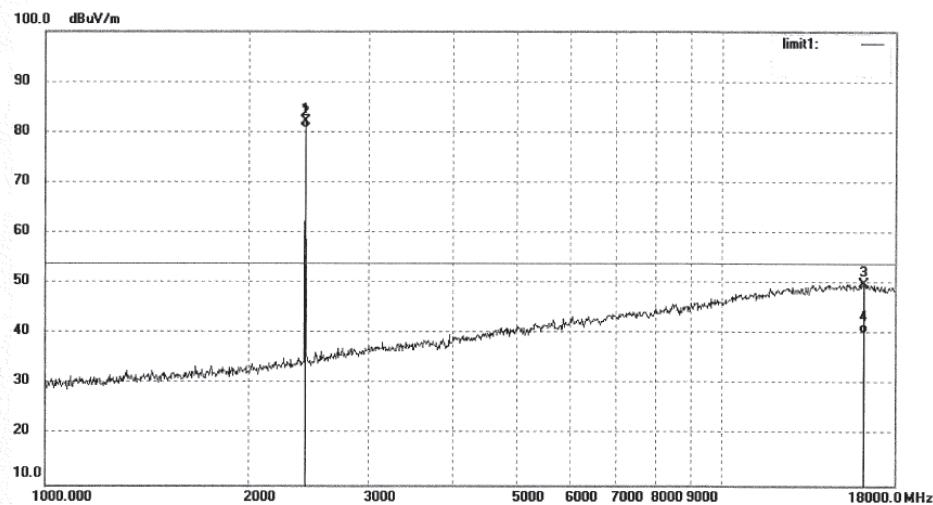
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2314  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: Control box  
Mode: TX 2422.999MHz  
Model: MC220-M32-W-N0  
Manufacturer: Limoss

Polarization: Vertical  
Power Source: DC 29V  
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	89.52	-7.40	82.12	114.00	-31.88	peak			
2	2422.999	88.12	-7.40	80.72	94.00	-13.28	AVG			
3	16221.189	9.71	40.13	49.84	74.00	-24.16	peak			
4	16221.189	0.23	40.13	40.36	54.00	-13.64	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 21 von 64**  
*Page 21 of 64*

**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 #2316

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 29V

Test item: Radiation Test

Date: 16/06/26

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

Time:

EUT: Control box

Engineer Signature: LGWADE

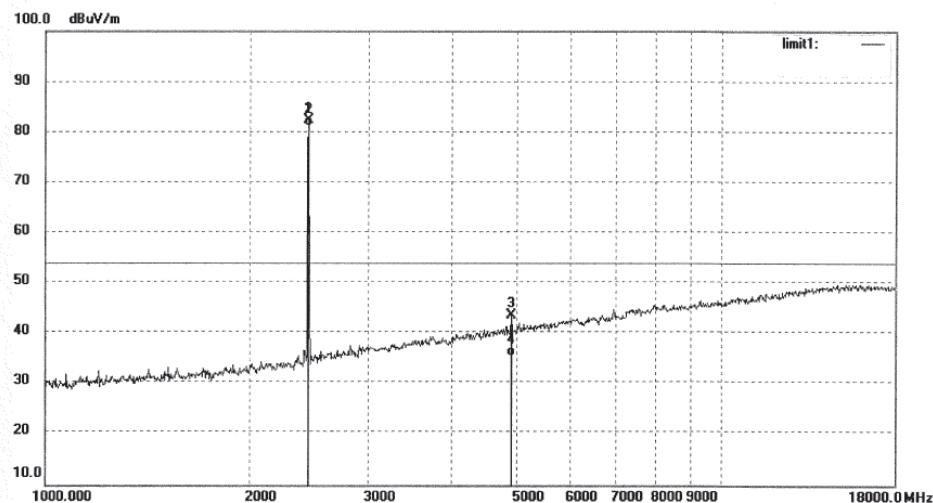
Mode: TX 2448.393MHz

Distance: 3m

Model: MC220-M32-W-N0

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	89.79	-7.34	82.45	114.00	-31.55	peak			
2	2448.393	88.59	-7.34	81.25	94.00	-12.75	AVG			
3	4896.786	43.31	0.22	43.53	74.00	-30.47	peak			
4	4896.786	35.43	0.22	35.65	54.00	-18.35	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 22 von 64**  
*Page 22 of 64*

**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 #2317

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 29V

Test item: Radiation Test

Date: 16/06/26/

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

Time:

EUT: Control box

Engineer Signature: LGWADE

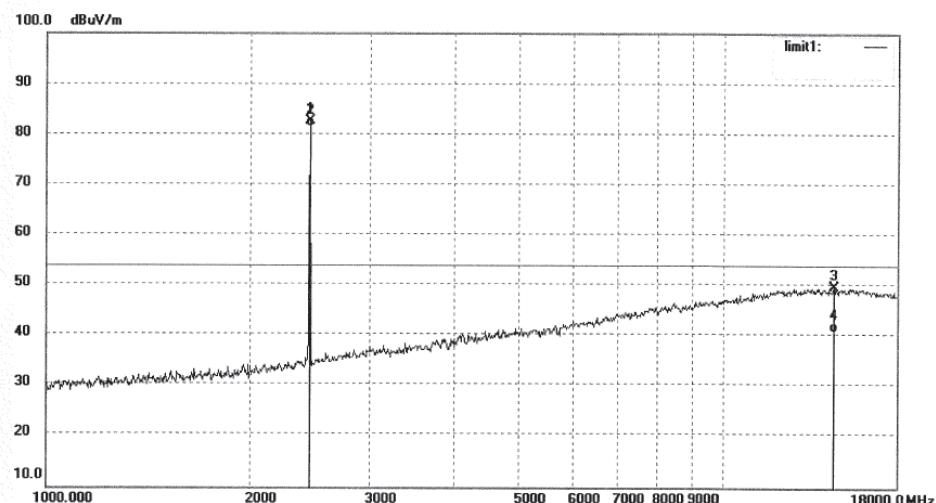
Mode: TX 2448.393MHz

Distance: 3m

Model: MC220-M32-W-N0

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	89.87	-7.34	82.53	114.00	-31.47	peak			
2	2448.393	88.67	-7.34	81.33	94.00	-12.67	AVG			
3	14575.975	7.24	42.37	49.61	74.00	-24.39	peak			
4	14575.975	-1.54	42.37	40.83	54.00	-13.17	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 23 von 64**  
*Page 23 of 64*

**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 #2319

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 29V

Test item: Radiation Test

Date: 16/06/26

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

Time:

EUT: Control box

Engineer Signature: LGWADE

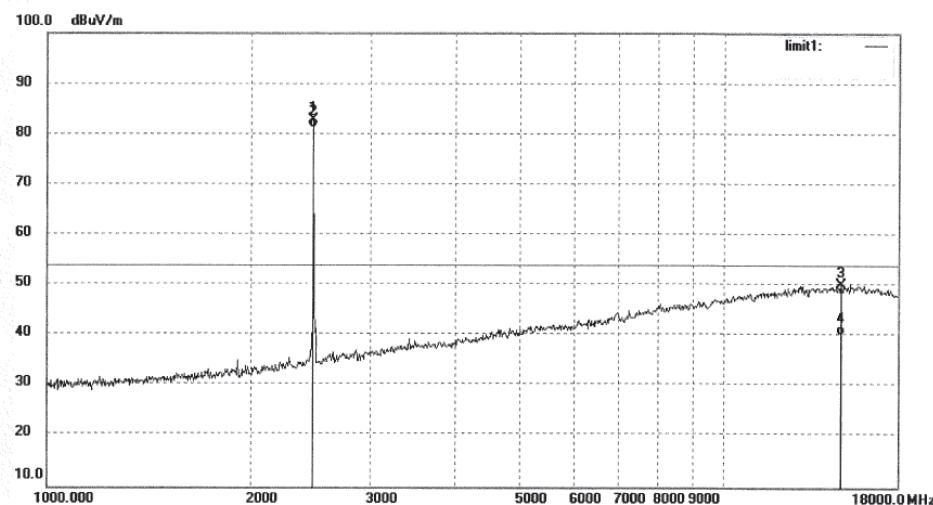
Mode: TX 2473.987MHz

Distance: 3m

Model: MC220-M32-W-N0

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	90.21	-7.37	82.84	114.00	-31.16	peak			
2	2473.987	88.51	-7.37	81.14	94.00	-12.86	AVG			
3	14873.888	8.75	41.48	50.23	74.00	-23.77	peak			
4	14873.888	-1.15	41.48	40.33	54.00	-13.67	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 24 von 64**  
*Page 24 of 64*

**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 #2318

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 29V

Test item: Radiation Test

Date: 16/06/26/

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

Time:

EUT: Control box

Engineer Signature: LGWADE

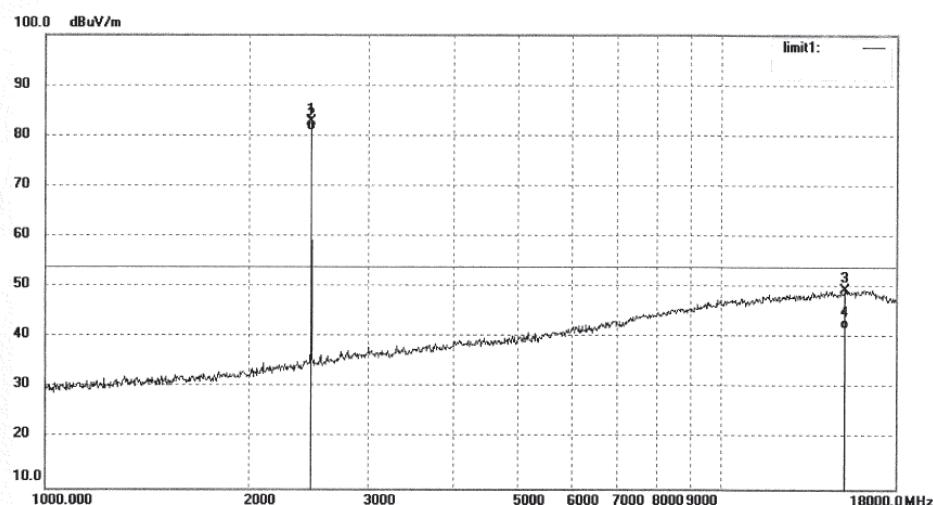
Mode: TX 2473.987MHz

Distance: 3m

Model: MC220-M32-W-N0

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	90.07	-7.37	82.70	114.00	-31.30	peak			
2	2473.987	88.37	-7.37	81.00	94.00	-13.00	AVG			
3	15177.891	8.75	40.74	49.49	74.00	-24.51	peak			
4	15177.891	1.16	40.74	41.90	54.00	-12.10	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°C
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

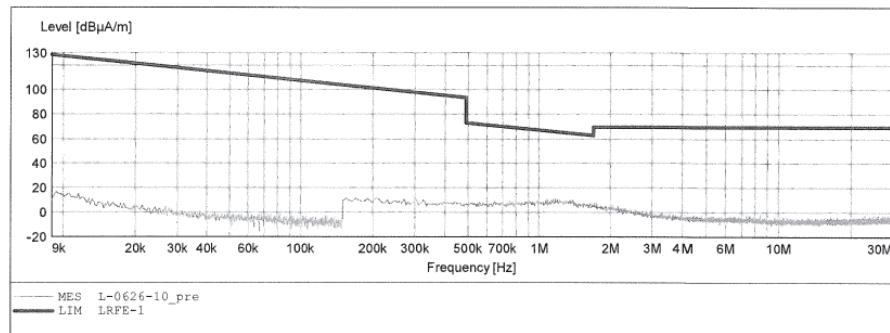
For details refer to following test plot.

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 26 von 64**  
*Page 26 of 64*
**Test Plot of Radiated emissions outside band**
**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3M Radiated**

EUT: Control box M/N:MC220-M32-W-N0  
 Manufacturer: Limoss  
 Operating Condition: TX 2422.999MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 29V  
 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.	IF Time	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

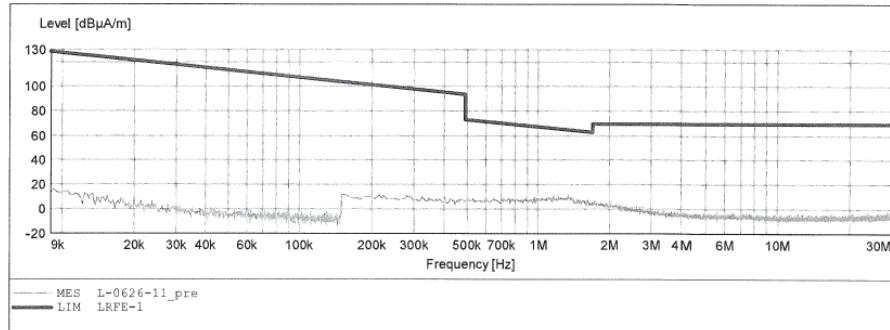


**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 27 von 64**  
*Page 27 of 64*
**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3M Radiated**

EUT: Control box M/N:MC220-M32-W-N0  
 Manufacturer: Limoss  
 Operating Condition: TX 2422.999MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 29V  
 Comment: Y  
 Start of Test: 2016-6-26 /

**SCAN TABLE: "LFRE Fin"**

Start	Stop	Step	Detector	Meas.	IF	Transducer
			SUB STD VTERM2 1.70			
Frequency	Frequency	Width		Time	Bandw.	
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

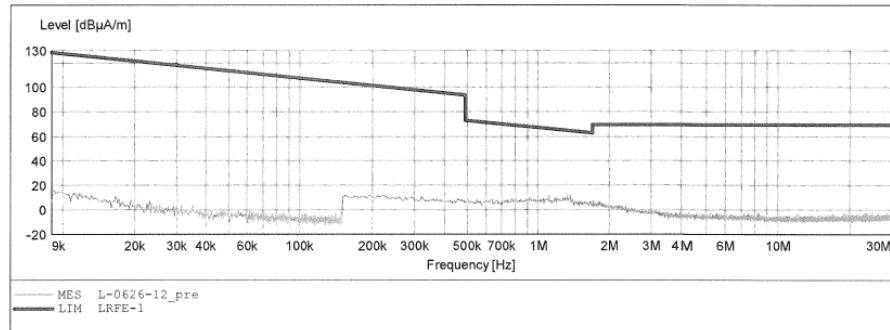


**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 28 von 64**  
*Page 28 of 64*
**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3M Radiated**

EUT: Control box M/N:MC220-M32-W-N0  
 Manufacturer: Limoss  
 Operating Condition: TX 2422.999MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 29V  
 Comment: Z  
 Start of Test: 2016-6-26 /

**SCAN TABLE: "LFRE Fin"**

Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Time	Transducer Bandw.
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

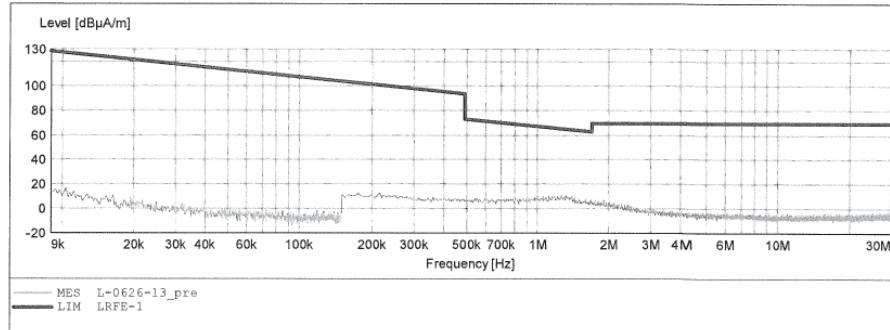


**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 29 von 64**  
*Page 29 of 64*
**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3M Radiated**

EUT: Control box M/N:MC220-M32-W-N0  
 Manufacturer: Limoss  
 Operating Condition: TX 2448.393MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 29V  
 Comment: X  
 Start of Test: 2016-6-26 /

**SCAN TABLE: "LFRE Fin"**

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	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

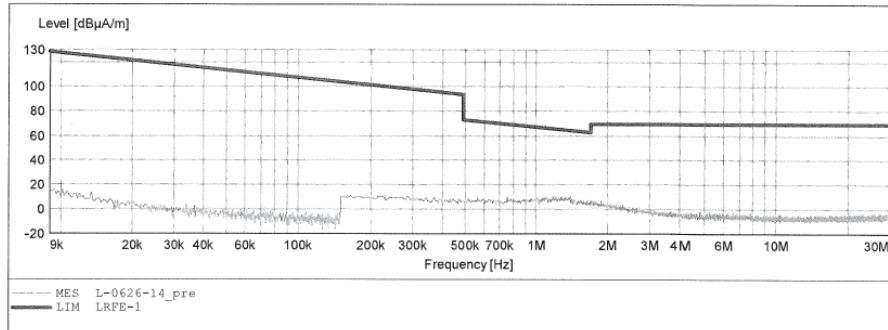


**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 30 von 64**  
*Page 30 of 64*
**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3M Radiated**

EUT: Control box M/N:MC220-M32-W-N0  
 Manufacturer: Limoss  
 Operating Condition: TX 2448.393MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 29V  
 Comment: Y  
 Start of Test: 2016-6-26 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD_VTERM2 1.70		
Start	Stop	Step	Detector	Meas.	IF
Frequency	Frequency	Width		Time	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

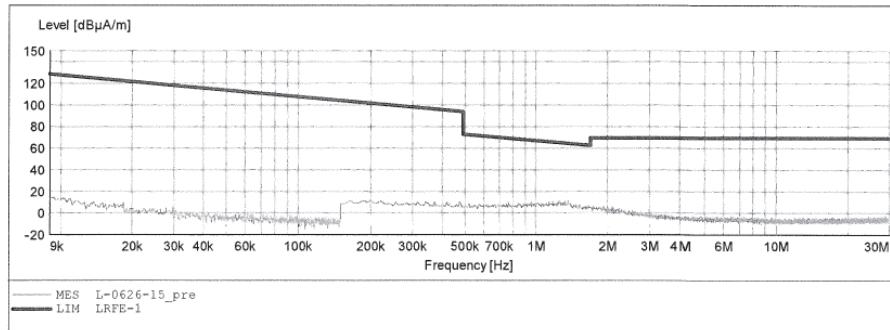


**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 31 von 64**  
*Page 31 of 64*
**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3M Radiated**

EUT: Control box M/N:MC220-M32-W-N0  
 Manufacturer: Limoss  
 Operating Condition: TX 2448.393MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 29V  
 Comment: Z  
 Start of Test: 2016-6-26 /

**SCAN TABLE: "LFRE Fin"**

Short Description: _SUB_STD_VTERM2 1.70					
Start	Stop	Step	Detector	Meas.	IF
Frequency	Frequency	Width		Time	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

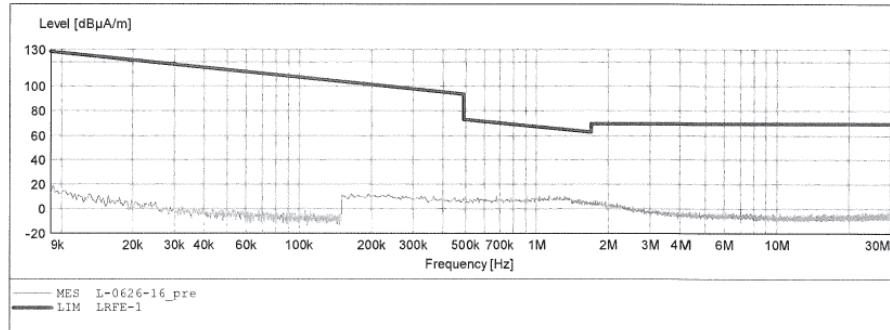


**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 32 von 64**  
*Page 32 of 64*
**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3M Radiated**

EUT: Control box M/N:MC220-M32-W-N0  
 Manufacturer: Limoss  
 Operating Condition: TX 2473.987MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 29V  
 Comment: X  
 Start of Test: 2016-6-26 /

**SCAN TABLE: "LFRE Fin"**

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	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

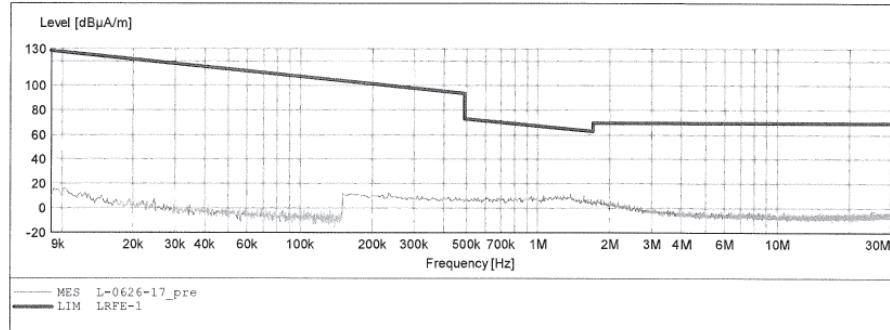


**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 33 von 64**  
*Page 33 of 64*
**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3M Radiated**

EUT: Control box M/N:MC220-M32-W-N0  
 Manufacturer: Limoss  
 Operating Condition: TX 2473.987MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 29V  
 Comment: Y  
 Start of Test: 2016-6-26 /

**SCAN TABLE: "LFRE Fin"**

Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width				
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

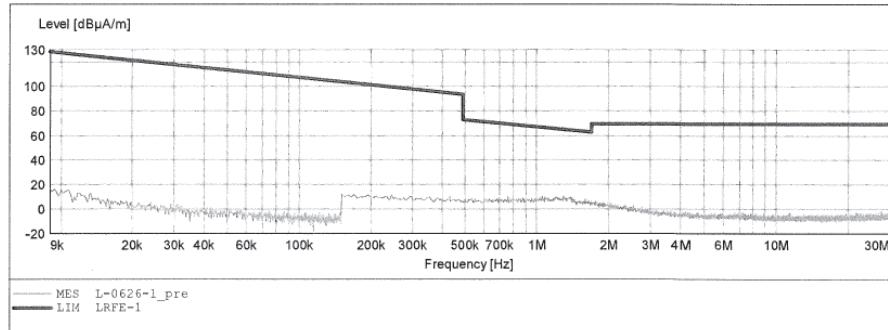


**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 34 von 64**  
*Page 34 of 64*
**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3M Radiated**

EUT: Control box M/N:MC220-M32-W-N0  
 Manufacturer: Limoss  
 Operating Condition: TX 2473.987MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 29V  
 Comment: Z  
 Start of Test: 2016-6-26 /

**SCAN TABLE: "LFRE Fin"**

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	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 35 von 64**  
*Page 35 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

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

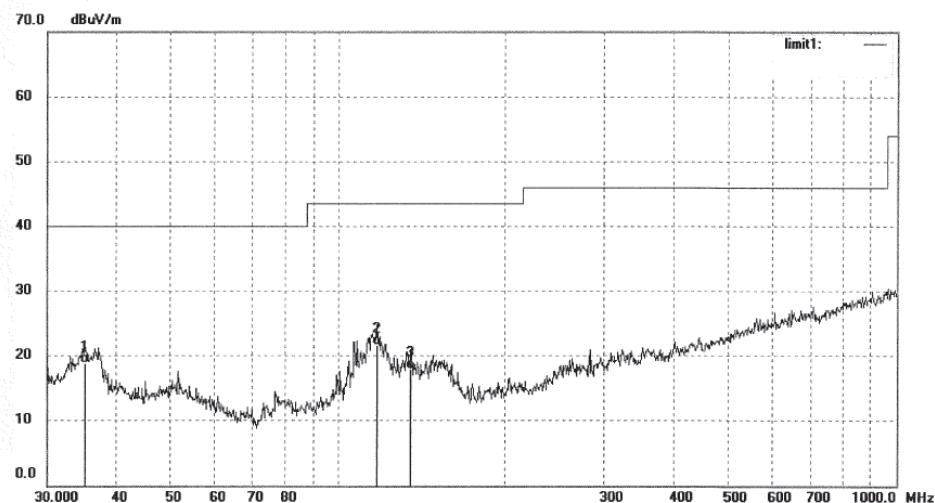
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.:	LGWADE #2324	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	DC 29V
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:	MC220-M32-W-N0		
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	29.23	-10.42	18.81	40.00	-21.19	QP			
2	116.9495	34.84	-13.15	21.69	43.50	-21.81	QP			
3	135.0319	31.98	-14.08	17.90	43.50	-25.60	QP			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 36 von 64**  
*Page 36 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

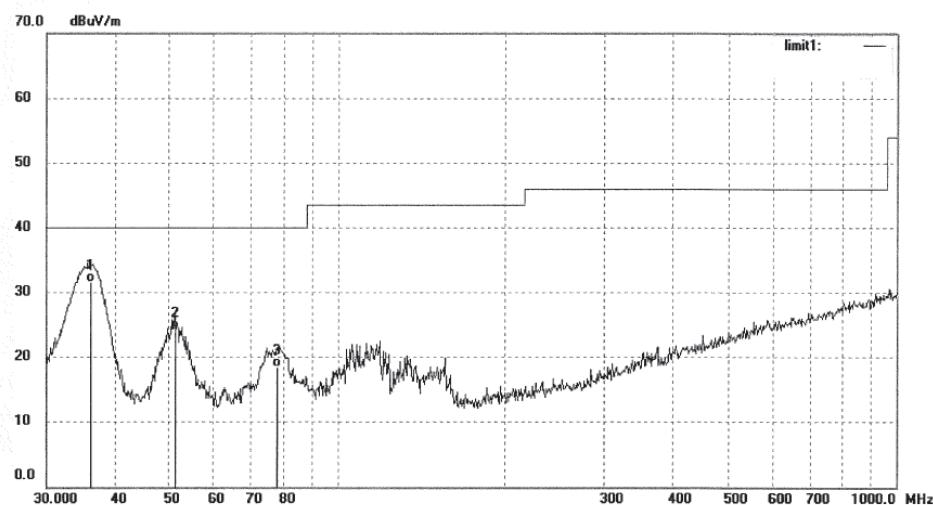
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGWADE #2325  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp. ( C) / Hum. (%) 23 C / 48 %  
EUT: Control box  
Mode: TX 2422.999MHz  
Model: MC220-M32-W-N0  
Manufacturer: Limoss

Polarization: Vertical  
Power Source: DC 29V  
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	36.1272	42.23	-10.68	31.55	40.00	-8.45	QP			
2	51.1208	36.98	-12.69	24.29	40.00	-15.71	QP			
3	77.5927	35.08	-16.63	18.45	40.00	-21.55	QP			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 37 von 64**  
*Page 37 of 64*

**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 #2327

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 29V

Test item: Radiation Test

Date: 16/06/26/

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

Time:

EUT: Control box

Engineer Signature: LGWADE

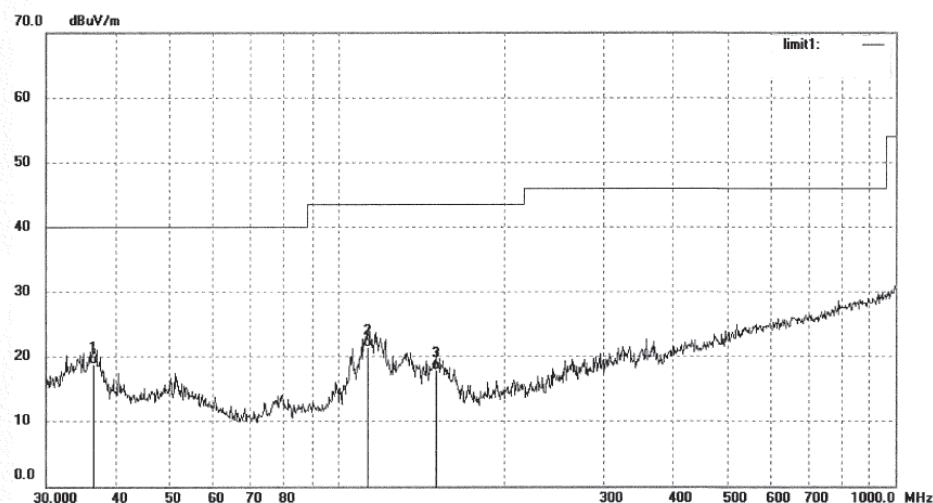
Mode: TX 2448.393MHz

Distance: 3m

Model: MC220-M32-W-N0

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	36.6375	29.57	-10.78	18.79	40.00	-21.21	QP			
2	113.3162	34.80	-13.41	21.39	43.50	-22.11	QP			
3	150.5378	33.12	-15.16	17.96	43.50	-25.54	QP			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 38 von 64**  
*Page 38 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

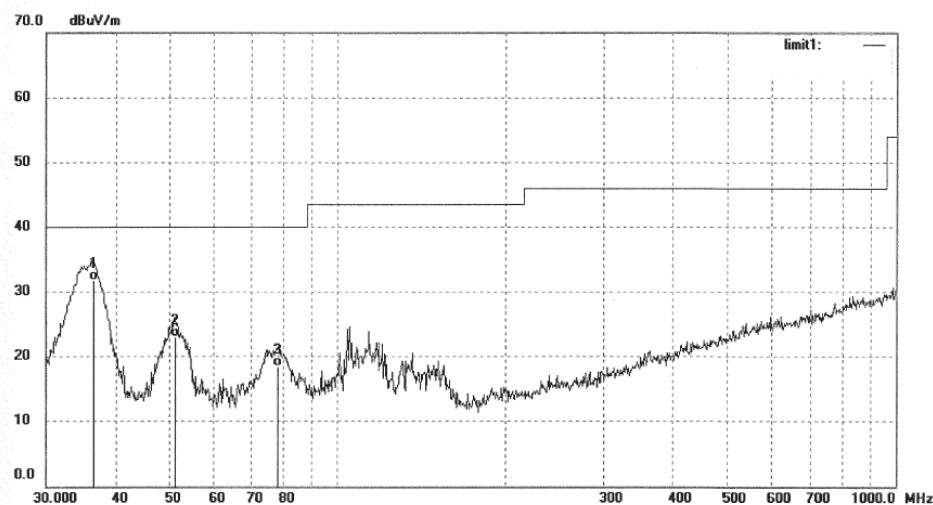
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2326  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: Control box  
Mode: TX 2448.393MHz  
Model: MC220-M32-W-N0  
Manufacturer: Limoss

Polarization: Vertical  
Power Source: DC 29V  
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	36.5091	42.55	-10.75	31.80	40.00	-8.20	QP			
2	51.3004	35.77	-12.70	23.07	40.00	-16.93	QP			
3	78.1389	35.02	-16.61	18.41	40.00	-21.59	QP			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 39 von 64**  
*Page 39 of 64*

**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 #2328

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 29V

Test item: Radiation Test

Date: 16/06/26/

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

Time:

EUT: Control box

Engineer Signature: LGWADE

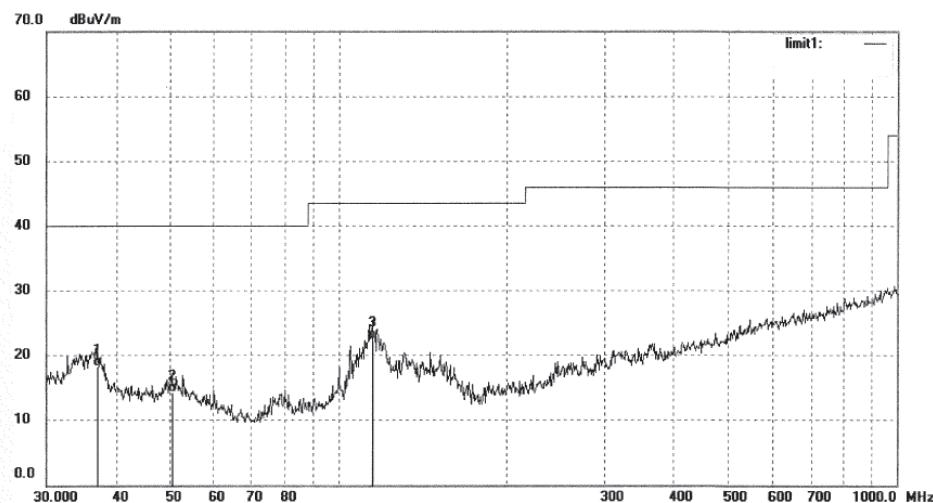
Mode: TX 2473.987MHz

Distance: 3m

Model: MC220-M32-W-N0

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	29.10	-10.87	18.23	40.00	-21.77	QP			
2	50.4089	26.92	-12.64	14.28	40.00	-25.72	QP			
3	115.3204	35.60	-13.15	22.45	43.50	-21.05	QP			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 40 von 64**  
*Page 40 of 64*

**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 #2329

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 29V

Test item: Radiation Test

Date: 16/06/26/

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

Time:

EUT: Control box

Engineer Signature: LGWADE

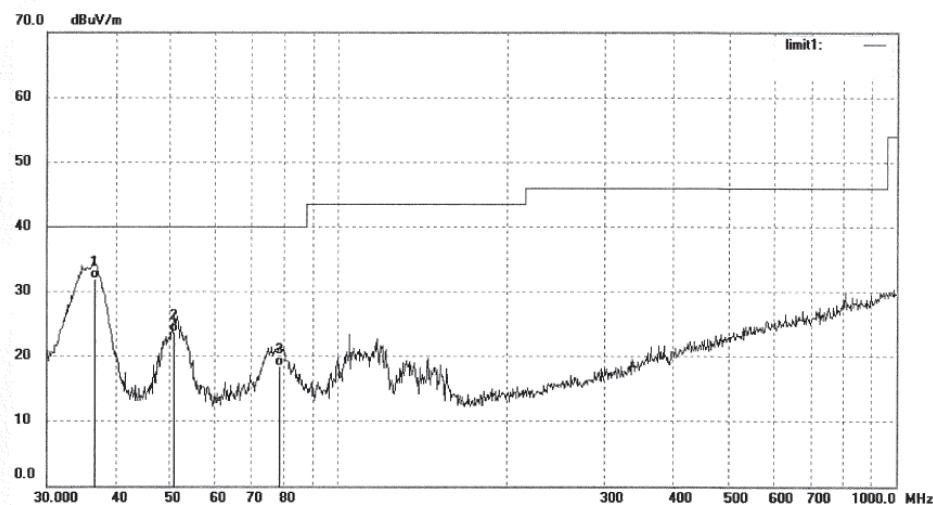
Mode: TX 2473.987MHz

Distance: 3m

Model: MC220-M32-W-N0

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	36.5091	42.70	-10.75	31.95	40.00	-8.05	QP			
2	50.7637	36.29	-12.66	23.63	40.00	-16.37	QP			
3	78.4133	35.06	-16.60	18.46	40.00	-21.54	QP			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 41 von 64**  
*Page 41 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

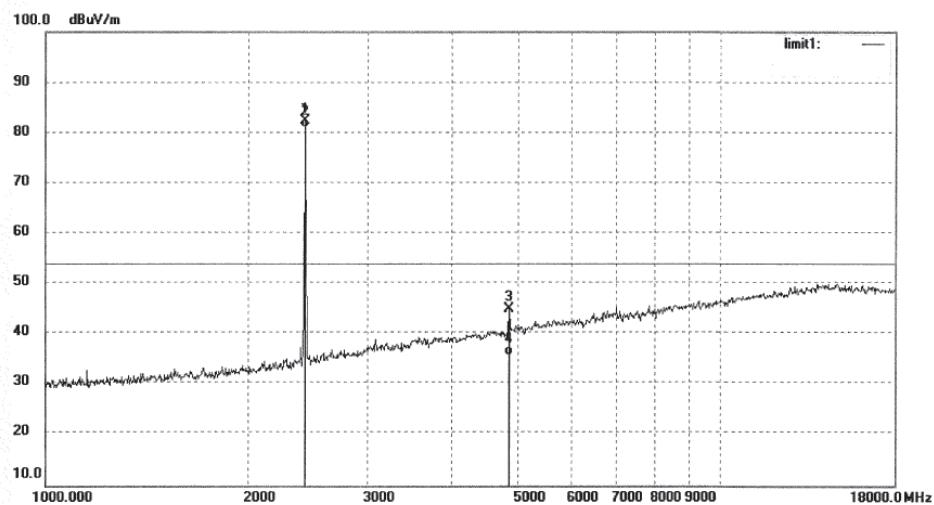
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGWADE #2315  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp. ( C)/Hum.(%) 23 C / 48 %  
EUT: Control box  
Mode: TX 2422.999MHz  
Model: MC220-M32-W-N0  
Manufacturer: Limoss

Polarization: Horizontal  
Power Source: DC 29V  
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	89.85	-7.40	82.45	114.00	-31.55	peak			
2	2422.999	88.45	-7.40	81.05	94.00	-12.95	AVG			
3	4845.998	45.11	-0.06	45.05	74.00	-28.95	peak			
4	4845.998	35.74	-0.06	35.68	54.00	-18.32	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 42 von 64**  
*Page 42 of 64*

**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 #2314

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 29V

Test item: Radiation Test

Date: 16/06/26/

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

Time:

EUT: Control box

Engineer Signature: LGWADE

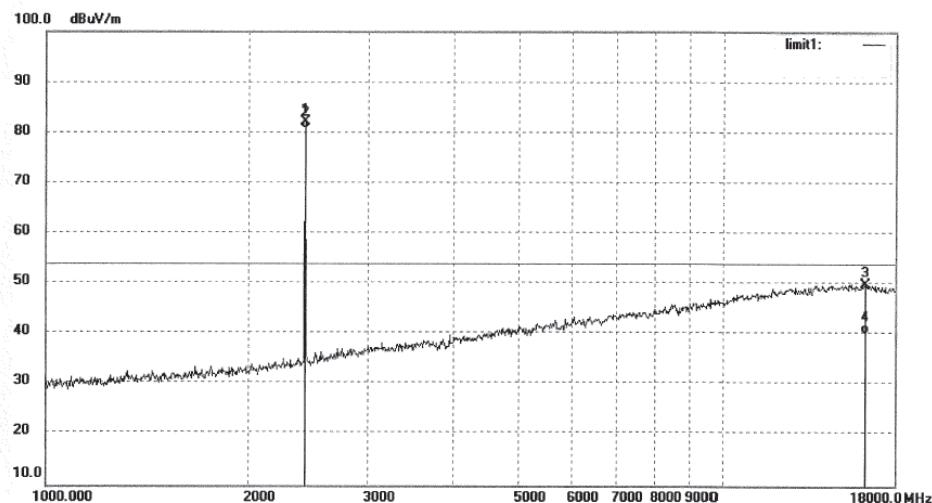
Mode: TX 2422.999MHz

Distance: 3m

Model: MC220-M32-W-N0

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	89.52	-7.40	82.12	114.00	-31.88	peak			
2	2422.999	88.12	-7.40	80.72	94.00	-13.28	AVG			
3	16221.189	9.71	40.13	49.84	74.00	-24.16	peak			
4	16221.189	0.23	40.13	40.36	54.00	-13.64	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 43 von 64**  
*Page 43 of 64*

**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 #2316

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 29V

Test item: Radiation Test

Date: 16/06/26/

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

Time:

EUT: Control box

Engineer Signature: LGWADE

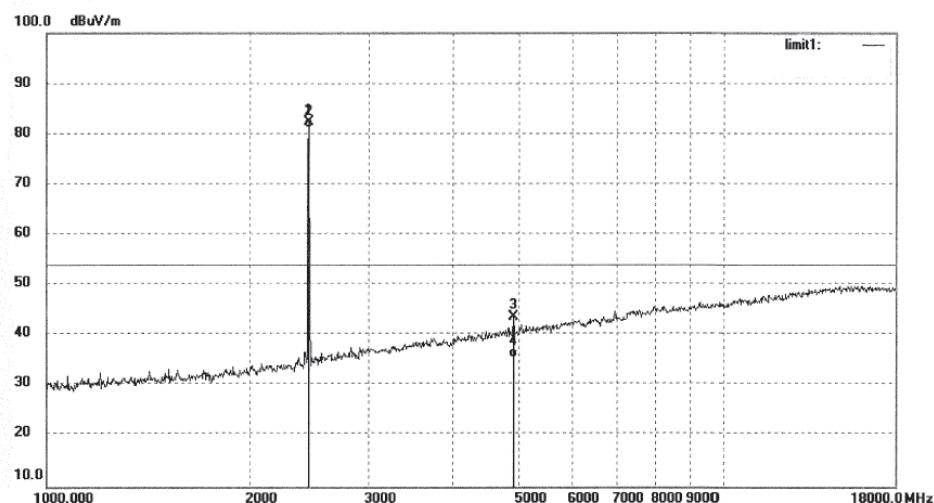
Mode: TX 2448.393MHz

Distance: 3m

Model: MC220-M32-W-N0

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	89.79	-7.34	82.45	114.00	-31.55	peak			
2	2448.393	88.59	-7.34	81.25	94.00	-12.75	AVG			
3	4896.786	43.31	0.22	43.53	74.00	-30.47	peak			
4	4896.786	35.43	0.22	35.65	54.00	-18.35	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 44 von 64**  
*Page 44 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

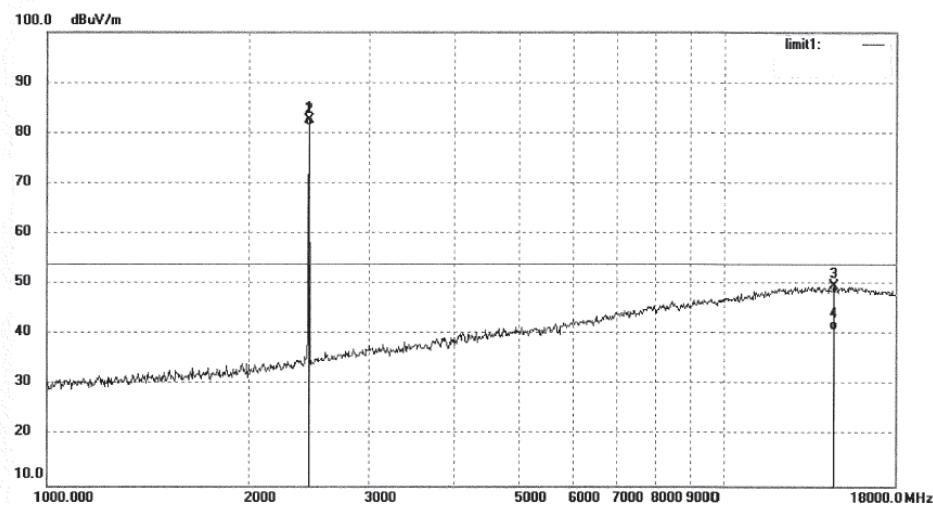
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2317  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: Control box  
Mode: TX 2448.393MHz  
Model: MC220-M32-W-N0  
Manufacturer: Limoss

Polarization: Vertical  
Power Source: DC 29V  
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	89.87	-7.34	82.53	114.00	-31.47	peak			
2	2448.393	88.67	-7.34	81.33	94.00	-12.67	AVG			
3	14575.975	7.24	42.37	49.61	74.00	-24.39	peak			
4	14575.975	-1.54	42.37	40.83	54.00	-13.17	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 45 von 64**  
*Page 45 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

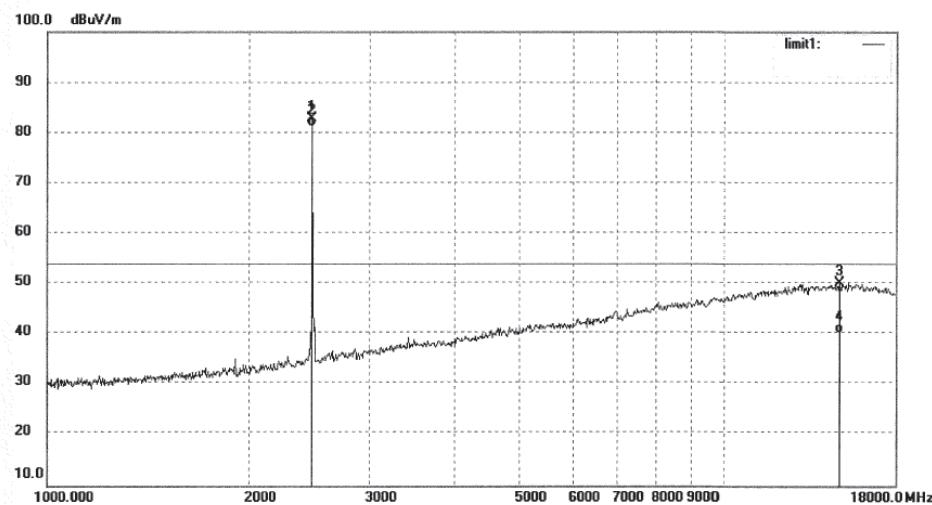
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2319  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp. ( C)/Hum.(%) 23 C / 48 %  
EUT: Control box  
Mode: TX 2473.987MHz  
Model: MC220-M32-W-N0  
Manufacturer: Limoss

Polarization: Horizontal  
Power Source: DC 29V  
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	90.21	-7.37	82.84	114.00	-31.16	peak			
2	2473.987	88.51	-7.37	81.14	94.00	-12.86	AVG			
3	14873.888	8.75	41.48	50.23	74.00	-23.77	peak			
4	14873.888	-1.15	41.48	40.33	54.00	-13.67	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 46 von 64**  
*Page 46 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

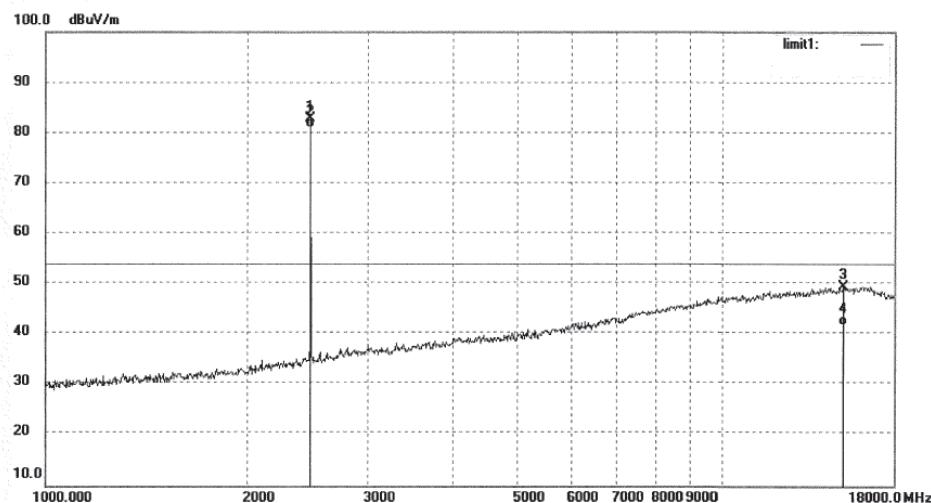
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2318  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: Control box  
Mode: TX 2473.987MHz  
Model: MC220-M32-W-N0  
Manufacturer: Limoss

Polarization: Vertical  
Power Source: DC 29V  
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	90.07	-7.37	82.70	114.00	-31.30	peak			
2	2473.987	88.37	-7.37	81.00	94.00	-13.00	Avg			
3	15177.891	8.75	40.74	49.49	74.00	-24.51	peak			
4	15177.891	1.16	40.74	41.90	54.00	-12.10	Avg			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 47 von 64**  
*Page 47 of 64*

**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 #2308

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 29V

Test item: Radiation Test

Date: 16/06/26

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

Time:

EUT: Control box

Engineer Signature: LGWADE

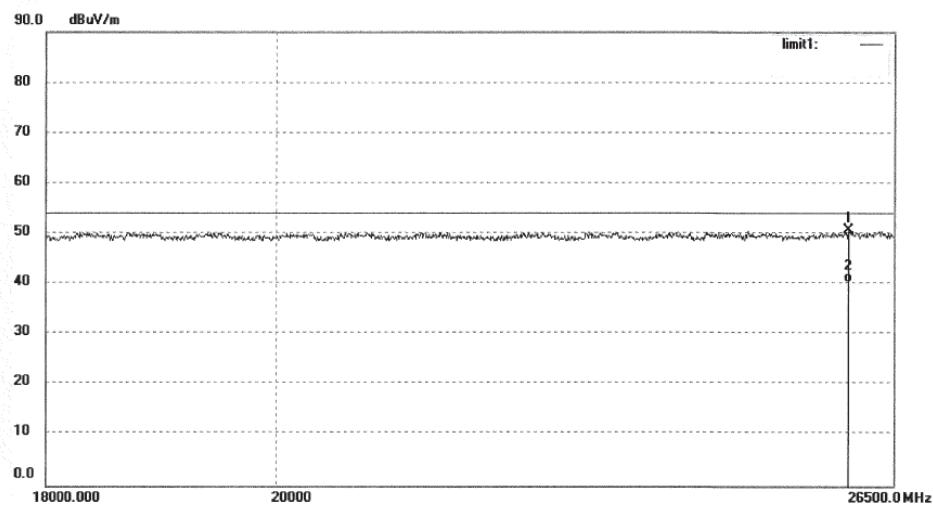
Mode: TX 2422.999MHz

Distance: 3m

Model: MC220-M32-W-N0

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	25962.307	34.15	16.50	50.65	74.00	-23.35	peak			
2	25962.307	23.83	16.50	40.33	54.00	-13.67	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 48 von 64**  
*Page 48 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

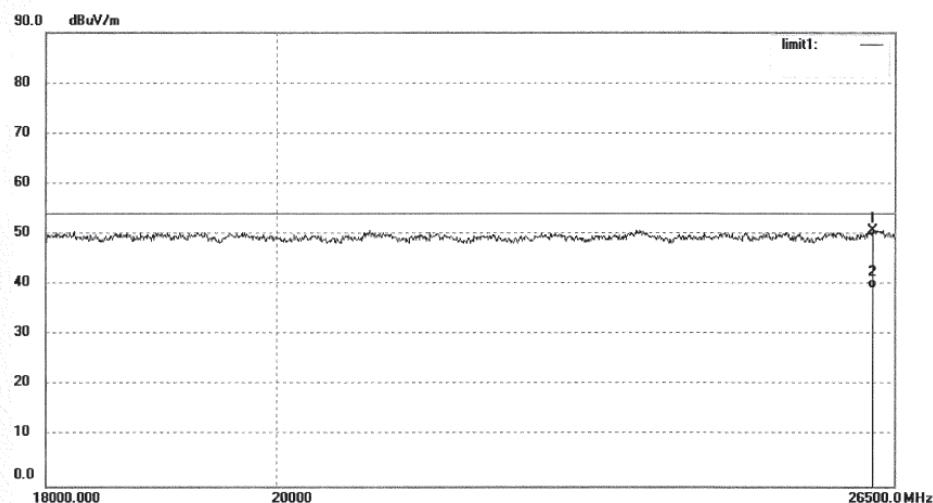
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2309  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp. ( C)/Hum.(%) 23 C / 48 %  
EUT: Control box  
Mode: TX 2422.999MHz  
Model: MC220-M32-W-N0  
Manufacturer: Limoss

Polarization: Vertical  
Power Source: DC 29V  
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	26244.998	33.72	17.07	50.79	74.00	-23.21	peak			
2	26244.998	22.19	17.07	39.26	54.00	-14.74	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 49 von 64**  
*Page 49 of 64*

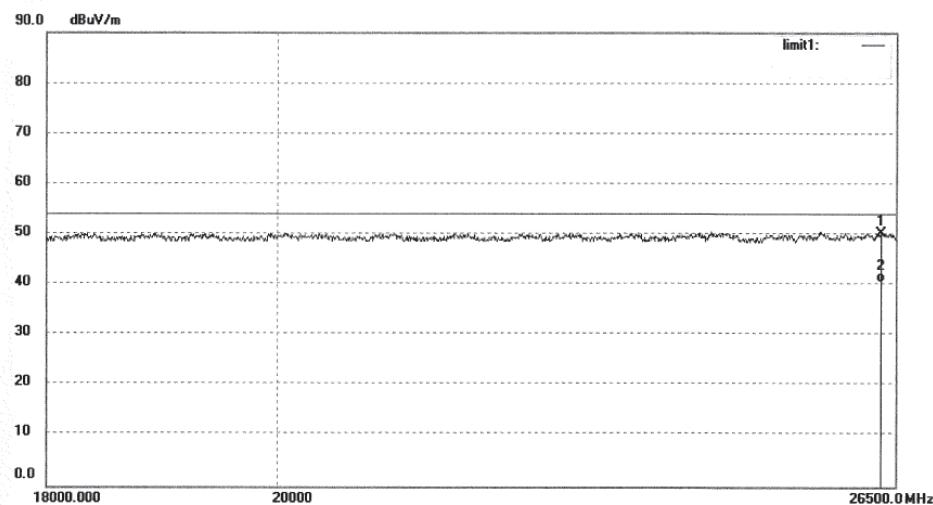
**ACCURATE TECHNOLOGY CO., LTD.**

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 #2311	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	DC 29V
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:	MC220-M32-W-N0		
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	26326.330	33.89	16.50	50.39	74.00	-23.61	peak			
2	26326.330	24.16	16.50	40.66	54.00	-13.34	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 50 von 64**  
*Page 50 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

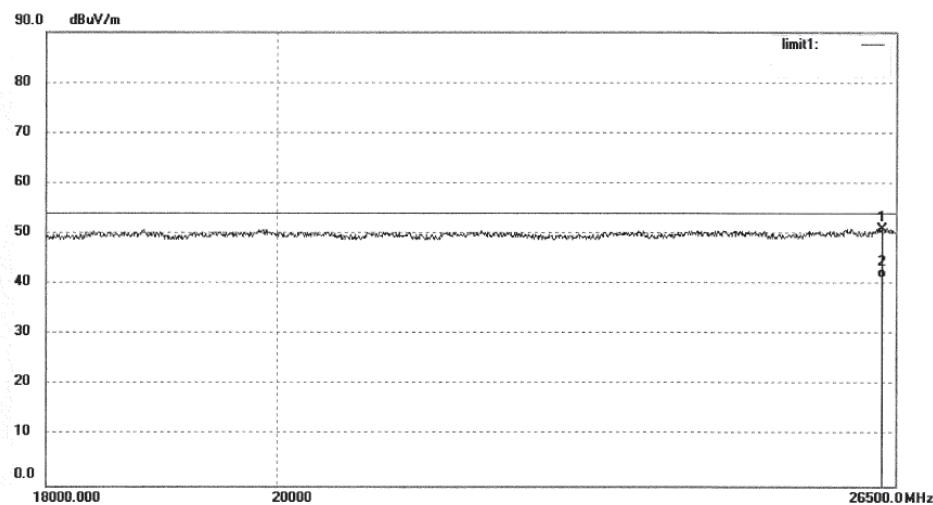
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2310  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: Control box  
Mode: TX 2448.393MHz  
Model: MC220-M32-W-N0  
Manufacturer: Limoss

Polarization: Vertical  
Power Source: DC 29V  
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	26346.703	34.00	17.00	51.00	74.00	-23.00	peak			
2	26346.703	24.25	17.00	41.25	54.00	-12.75	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 51 von 64**  
*Page 51 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

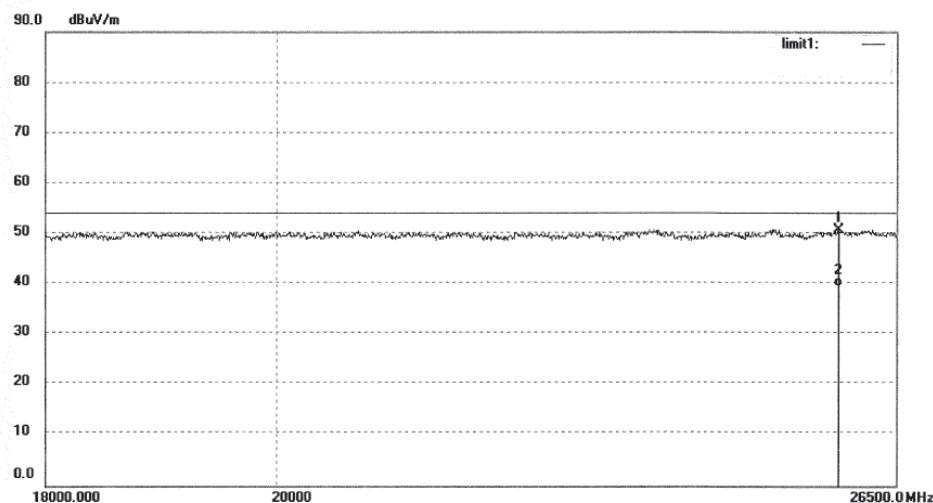
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2312  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp. ( C)/Hum.(%) 23 C / 48 %  
EUT: Control box  
Mode: TX 2473.987MHz  
Model: MC220-M32-W-N0  
Manufacturer: Limoss

Polarization: Horizontal  
Power Source: DC 29V  
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	25832.095	34.30	16.50	50.80	74.00	-23.20	peak			
2	25832.095	23.04	16.50	39.54	54.00	-14.46	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 52 von 64**  
*Page 52 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

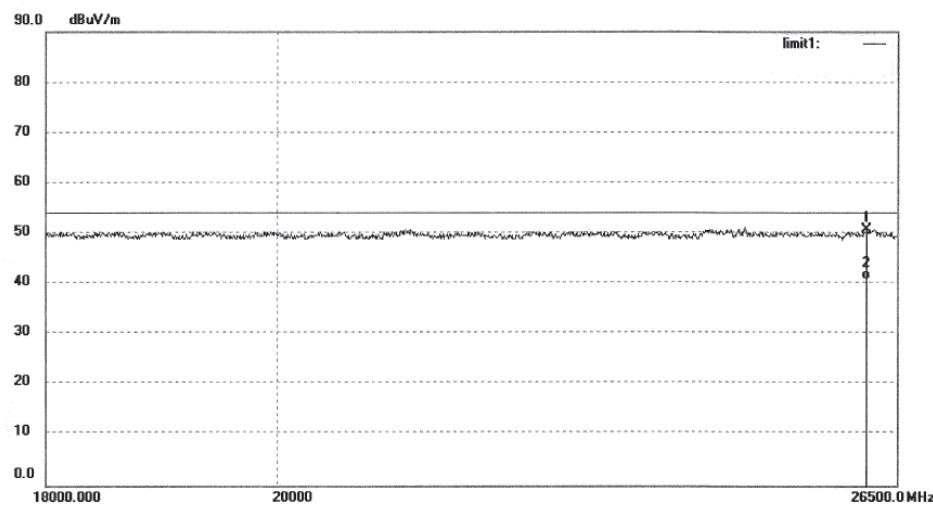
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGWADE #2313  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp. ( C)/Hum.(%) 23 C / 48 %  
EUT: Control box  
Mode: TX 2473.987MHz  
Model: MC220-M32-W-N0  
Manufacturer: Limoss

Polarization: Vertical  
Power Source: DC 29V  
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	26143.685	33.59	17.14	50.73	74.00	-23.27	peak			
2	26143.685	23.74	17.14	40.88	54.00	-13.12	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 53 von 64**  
*Page 53 of 64*
**Test Plot of Frequency Band Edge**

**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 #2323

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: DC 29V

Test item: Radiation Test

Date: 16/06/26/

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

Time:

EUT: Control box

Engineer Signature: LGWADE

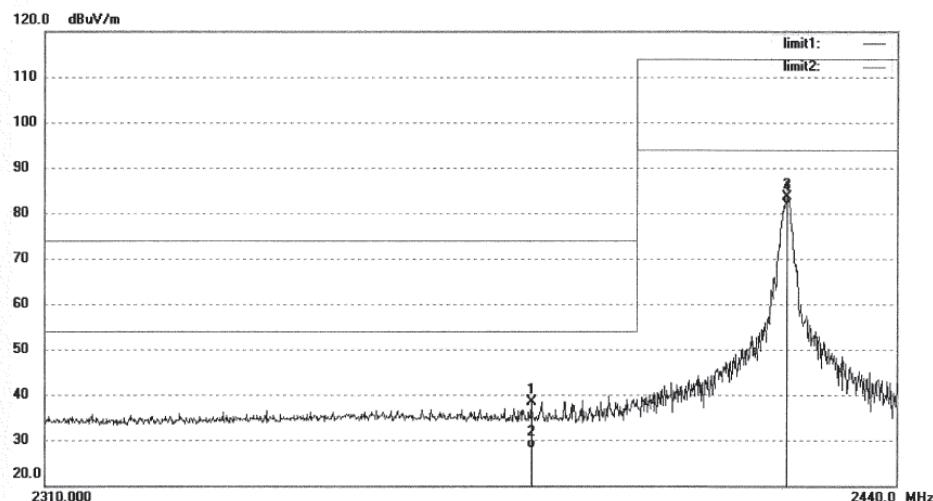
Mode: TX 2422.999MHz

Distance: 3m

Model: MC220-M32-W-N0

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	2383.580	45.93	-7.57	38.36	74.00	-35.64	peak			
2	2383.580	35.69	-7.57	28.12	54.00	-25.88	AVG			
3	2422.999	91.04	-7.40	83.64	114.00	-30.36	peak			
4	2422.999	89.64	-7.40	82.24	94.00	-11.76	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 54 von 64**  
*Page 54 of 64*

**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

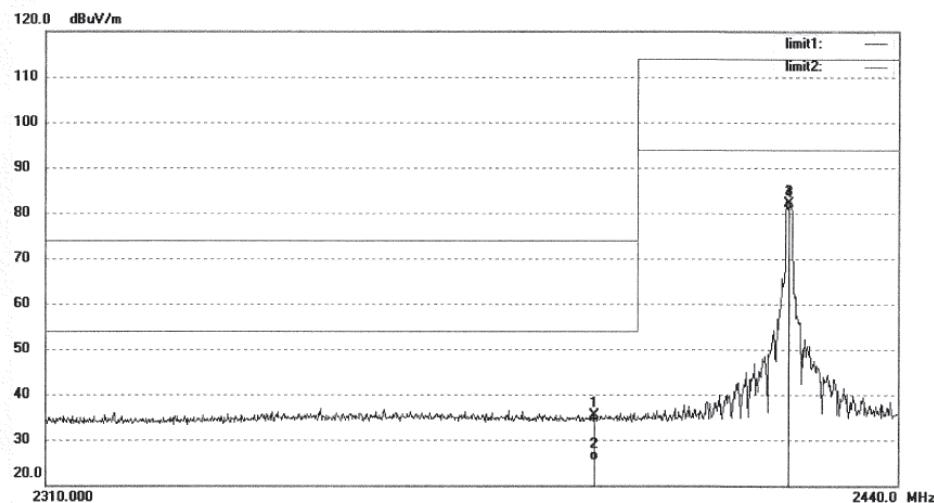
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGWADE #2322  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: Control box  
Mode: TX 2422.999MHz  
Model: MC220-M32-W-N0  
Manufacturer: Limoss

Polarization: Vertical  
Power Source: DC 29V  
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	2393.200	42.89	-7.51	35.38	74.00	-38.62	peak			
2	2393.200	32.82	-7.51	25.31	54.00	-28.69	AVG			
3	2422.999	89.60	-7.40	82.20	114.00	-31.80	peak			
4	2422.999	88.20	-7.40	80.80	94.00	-13.20	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 55 von 64**  
*Page 55 of 64*

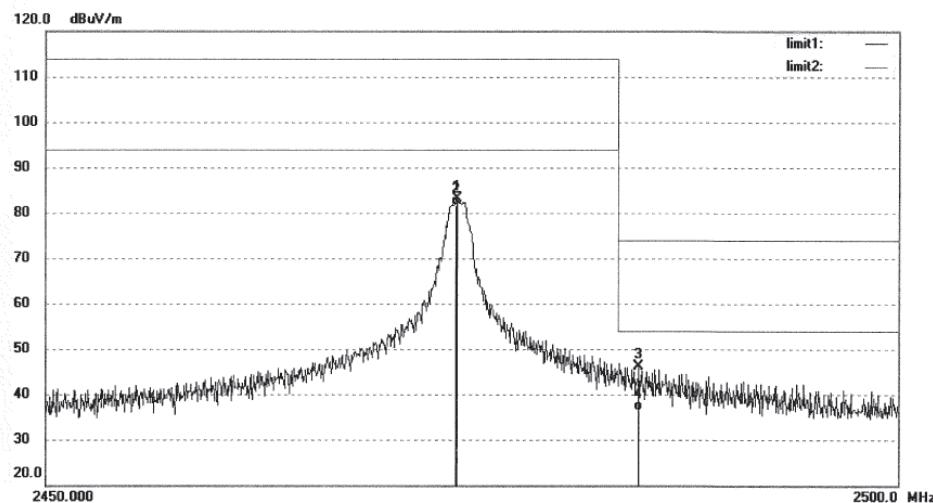
**ACCURATE TECHNOLOGY CO., LTD.**

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 #2320	Polarization:	Horizontal
Standard:	FCC (Band Edge)	Power Source:	DC 29V
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:	MC220-M32-W-N0		
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	90.61	-7.37	83.24	114.00	-30.76	peak			
2	2473.987	88.91	-7.37	81.54	94.00	-12.46	AVG			
3	2484.750	53.51	-7.38	46.13	74.00	-27.87	peak			
4	2484.750	43.67	-7.38	36.29	54.00	-17.71	AVG			

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 56 von 64**  
*Page 56 of 64*

**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 #2321

Polarization: Vertical

Standard: FCC (Band Edge)

Power Source: DC 29V

Test item: Radiation Test

Date: 16/06/26/

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

Time:

EUT: Control box

Engineer Signature: LGWADE

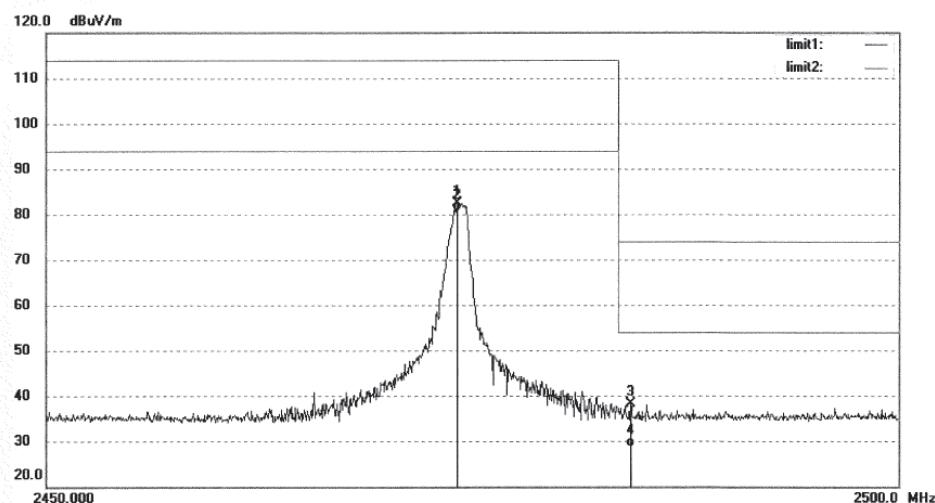
Mode: TX 2473.987MHz

Distance: 3m

Model: MC220-M32-W-N0

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	89.70	-7.37	82.33	114.00	-31.67	peak			
2	2473.987	88.00	-7.37	80.63	94.00	-13.37	AVG			
3	2484.250	45.46	-7.38	38.08	74.00	-35.92	peak			
4	2484.250	35.93	-7.38	28.55	54.00	-25.45	AVG			

## 5.1.5 Conducted emissions

### RESULT:

Pass

Date of testing	:	2016-06-18
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

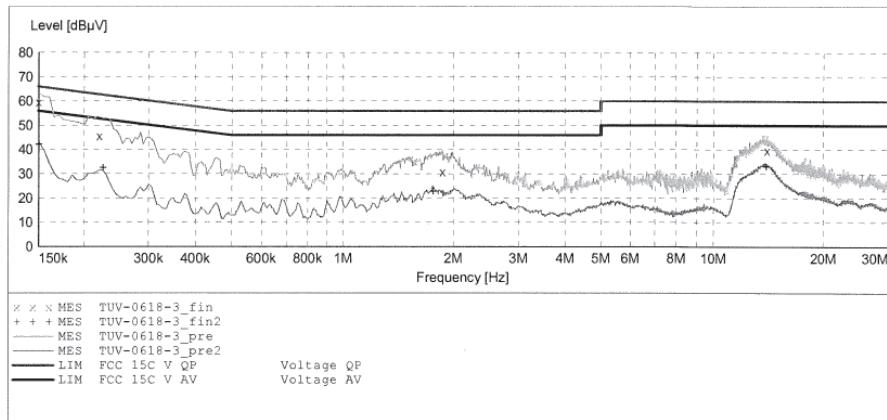
For details refer to following test plot.

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 58 von 64**  
*Page 58 of 64*
**ACCURATE TECHNOLOGY CO., LTD**
**CONDUCTED EMISSION STANDARD FCC PART 15 C**

EUT: Control box M/N:MC220-M32-W-N0  
 Manufacturer: Limoss  
 Operating Condition: TX  
 Test Site: 1#Shielding Room  
 Operator: WADE  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 6/18/2016 /

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

Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Time	Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126	2008
			Average				
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126	2008
			Average				


**MEASUREMENT RESULT: "TUV-0618-3\_fin"**

6/18/2016	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB			
	0.150000	59.50	10.5	66	6.5	QP	L1	GND
	0.220000	45.60	10.6	63	17.2	QP	L1	GND
	1.870000	30.80	11.0	56	25.2	QP	L1	GND
	13.990000	39.70	11.4	60	20.3	QP	L1	GND

**MEASUREMENT RESULT: "TUV-0618-3\_fin2"**

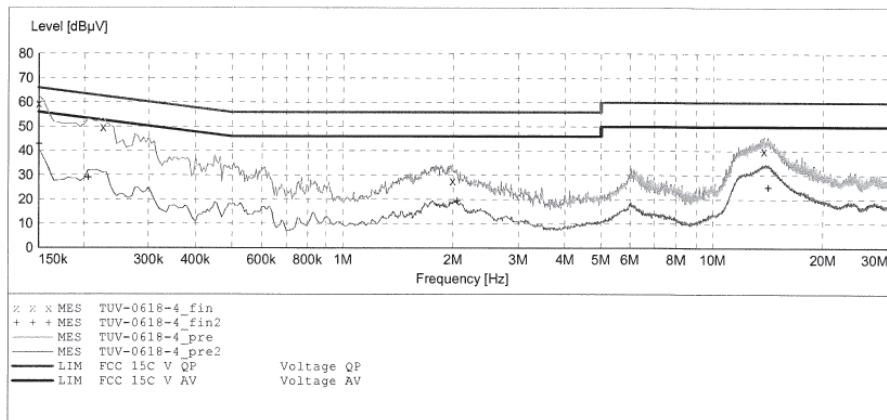
6/18/2016	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB			
	0.150000	42.10	10.5	56	13.9	AV	L1	GND
	0.225000	32.50	10.6	53	20.1	AV	L1	GND
	1.760000	22.70	11.0	46	23.3	AV	L1	GND
	13.885000	33.00	11.4	50	17.0	AV	L1	GND

**Prüfbericht - Nr.: 50077803 001**  
*Test Report No.*
**Seite 59 von 64**  
*Page 59 of 64*
**ACCURATE TECHNOLOGY CO., LTD**
**CONDUCTED EMISSION STANDARD FCC PART 15 C**

EUT: Control box M/N:MC220-M32-W-N0  
 Manufacturer: Limoss  
 Operating Condition: TX  
 Test Site: 1#Shielding Room  
 Operator: WADE  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 6/18/2016 /

**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  
 Average  
 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average


**MEASUREMENT RESULT: "TUV-0618-4\_fin"**

6/18/2016	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB			
	0.150000	59.40	10.5	66	6.6	QP	N	GND
	0.225000	49.70	10.6	63	12.9	QP	N	GND
	1.995000	27.60	11.0	56	28.4	QP	N	GND
	13.780000	40.00	11.3	60	20.0	QP	N	GND

**MEASUREMENT RESULT: "TUV-0618-4\_fin2"**

6/18/2016	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB			
	0.150000	42.70	10.5	56	13.3	AV	N	GND
	0.205000	28.90	10.5	53	24.5	AV	N	GND
	2.050000	19.40	11.0	46	26.6	AV	N	GND
	14.140000	24.90	11.4	50	25.1	AV	N	GND

## 6. Safety Human exposure

### 6.1 Radio Frequency Exposure Compliance

#### 6.1.1 Electromagnetic Fields

**RESULT:** Pass

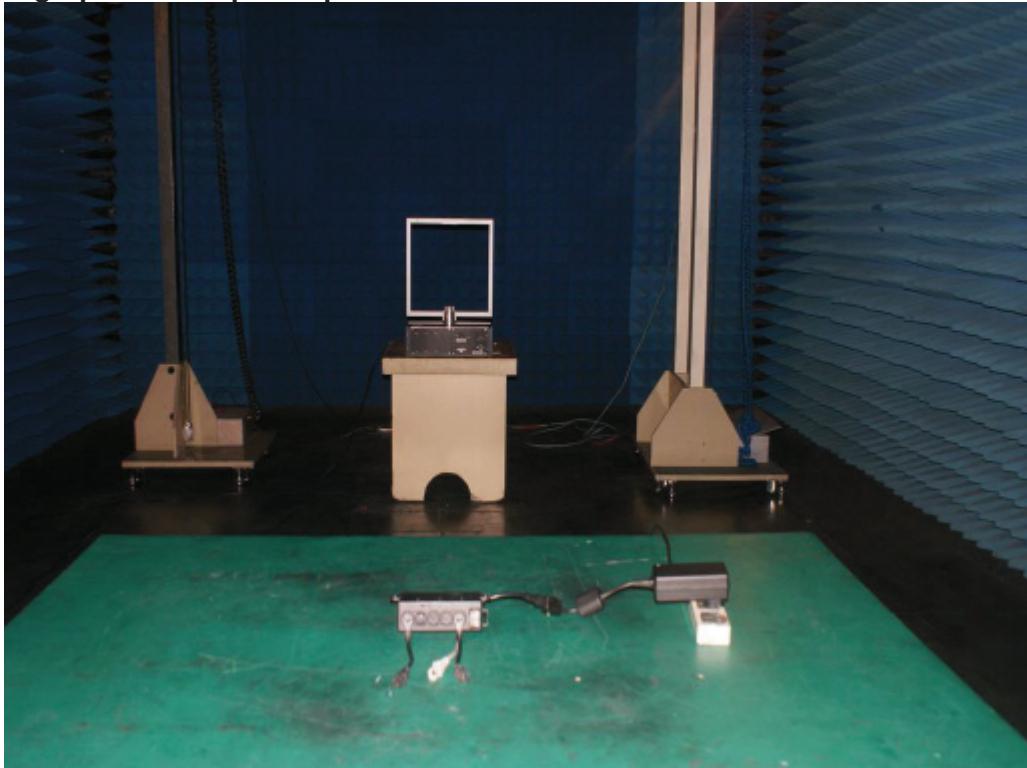
Test standard : RSS-102 Issue 5 March 2015  
FCC KDB Publication 447498 D01 v06

The maximum output power of the transmitter is 0.058mW (-12.39dBm) 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.

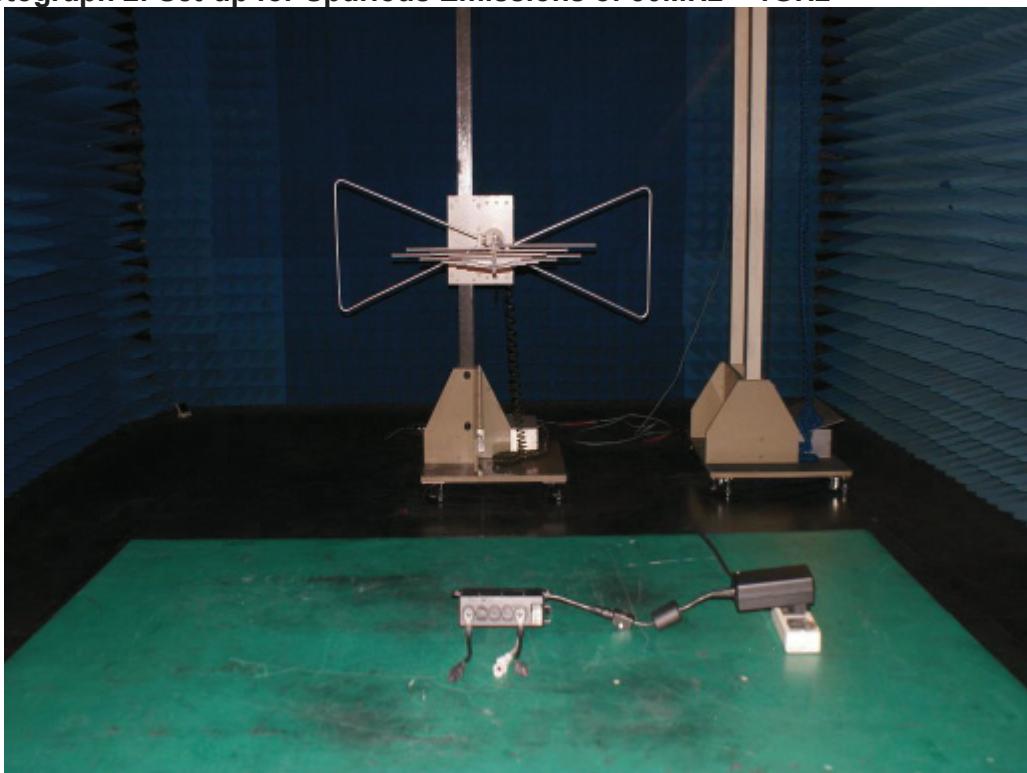
Since maximum output power of the transmitter is 0.058mW<1496mW, and the distance from EUT to human is  $\geq 200\text{mm}$ , hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.

## 7. Photographs of the Test Set-Up

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



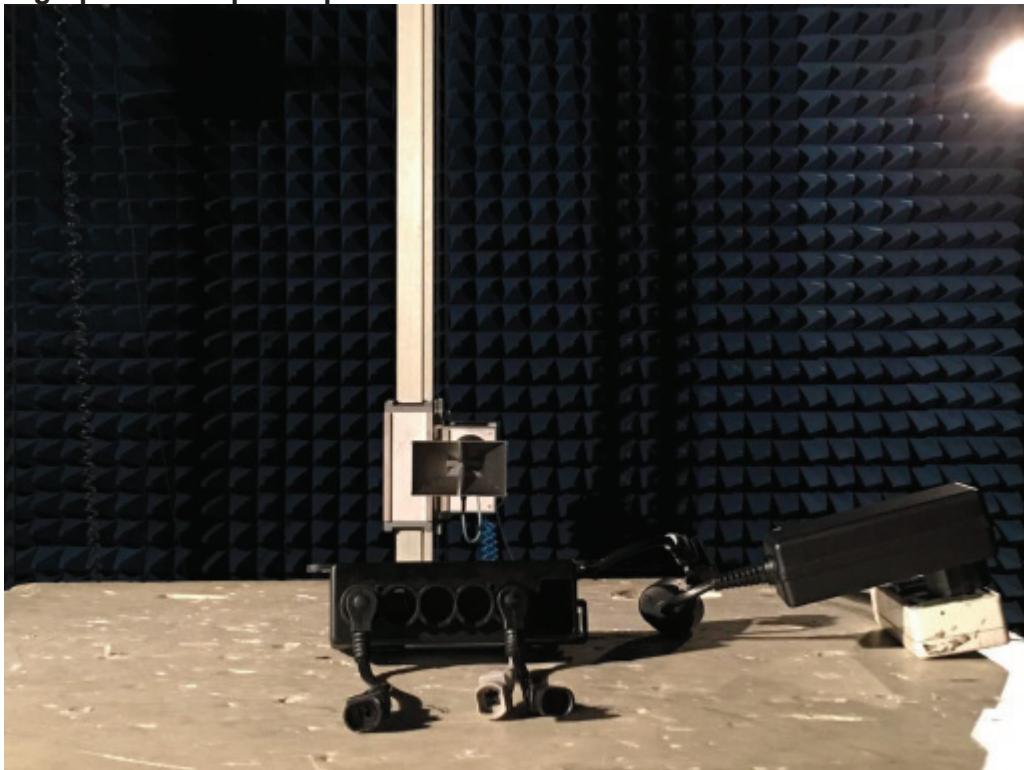
Photograph 2: Set-up for Spurious Emissions of 30MHz – 1GHz



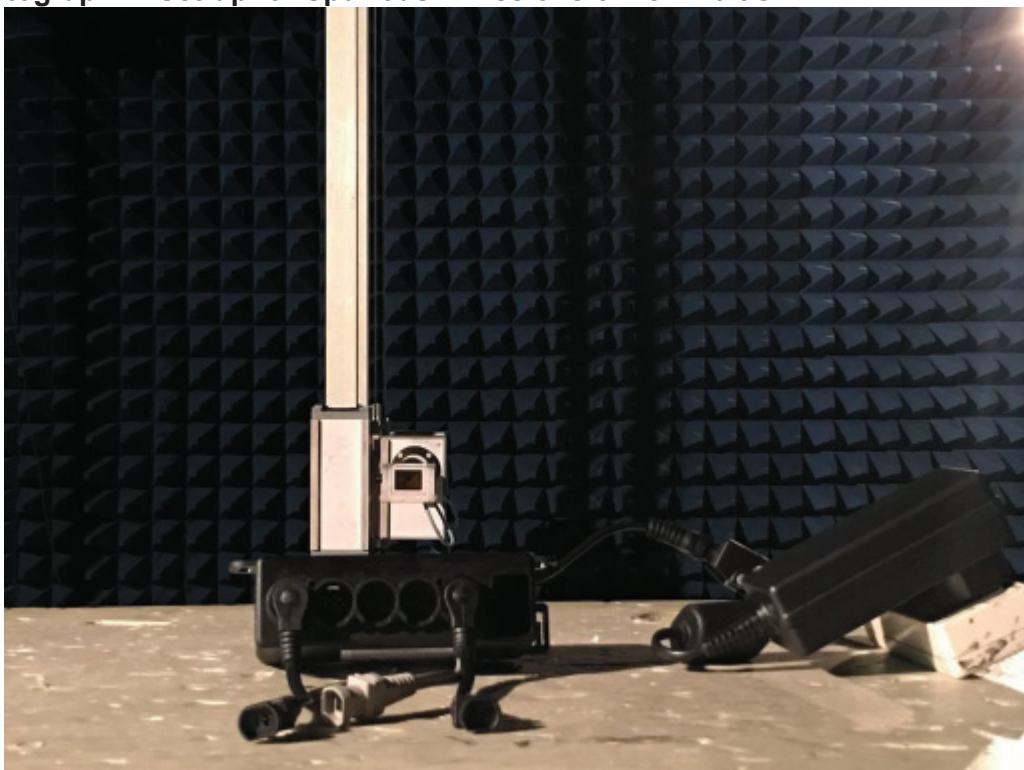
**Prüfbericht - Nr.:** **50077803 001**  
*Test Report No.*

Seite 62 von 64  
Page 62 of 64

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



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



**Prüfbericht - Nr.:** 50077803 001  
*Test Report No.*

Seite 63 von 64  
Page 63 of 64

**Photograph 5: Set-up for Conducted Emission**



## 8. List of Tables

Table 1: List of Test and Measurement Equipment .....	5
Table 2: Measurement Uncertainty .....	6
Table 3: Technical Specification of EUT .....	7
Table 4: Test result of 20dB & 99% Bandwidth.....	13
Table 5: Polarization of the measurement for the larger power level channel 2473.987MHz: Horizontal.....	18

## 9. List of Photographs

Photograph 1: Set-up for Spurious Emissions below 30MHz .....	61
Photograph 2: Set-up for Spurious Emissions of 30MHz – 1GHz.....	61
Photograph 3: Set-up for Spurious Emissions of 1 – 18GHz .....	62
Photograph 4: Set-up for Spurious Emissions of 18 – 26.5GHz.....	62
Photograph 5: Set-up for Conducted Emission.....	63