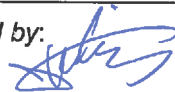


Prüfbericht-Nr.: <i>Test Report No.:</i>	17043757 001	Auftrags-Nr.: <i>Order No.:</i>	164022938	Seite 1 von 63 <i>Page 1 of 63</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	11.10.2014	
Auftraggeber: <i>Client:</i>	Ringly 200 Park Ave South #1501, New York 1003, United States			
Prüfgegenstand: <i>Test item:</i>	Ringly			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	-J12			
Auftrags-Inhalt: <i>Order content:</i>	FCC Certification			
Prüfgrundlage: <i>Test specification:</i>	FCC CFR47 Part 15: Subpart B Section 15.107 FCC CFR47 Part 15: Subpart B Section 15.109 FCC CFR47 Part 15: Subpart C Section 15.247 FCC CFR47 Part 15: Subpart C Section 15.207 FCC CFR47 Part 15: Subpart C Section 15.209 FCC KDB publication 447498 D01 v05r02			
Wareneingangsdatum: <i>Date of receipt:</i>	13.10.2014			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000104500 004-005			
Prüfzeitraum: <i>Testing period:</i>	13.10.2014 - 21.10.2014			
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: 		kontrolliert von / reviewed by: 		
03.11.2014	Tom Wang/Assistant Project Manager	03.11.2014	Sam Lin/Technical Certifier	
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>
				Unterschrift <i>Signature</i>
Sonstiges / Other: FCC ID: 2AB9V-J12				
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: 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				
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. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 PEAK OUTPUT POWER

RESULT: Pass

5.1.3 POWER DENSITY

RESULT: Pass

5.1.4 6dB BANDWIDTH

RESULT: Pass

5.1.5 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100kHz BANDWIDTH

RESULT: Pass

5.1.6 RADIATED SPURIOUS EMISSIONS

RESULT: Pass

5.1.7 CONDUCTED EMISSIONS

RESULT: Pass

5.1.8 RADIATED EMISSIONS

RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: Pass

CONTENTS

1.	GENERAL REMARKS	5
1.1	COMPLEMENTARY MATERIALS.....	5
2.	TEST SITES.....	5
2.1	TEST FACILITIES	5
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS	6
2.3	TRACEABILITY	7
2.4	CALIBRATION.....	7
2.5	MEASUREMENT UNCERTAINTY	7
2.6	LOCATION OF ORIGINAL DATA	7
2.7	STATUS OF FACILITY USED FOR TESTING	7
3.	GENERAL PRODUCT INFORMATION	8
3.1	PRODUCT FUNCTION AND INTENDED USE	8
3.2	RATINGS AND SYSTEM DETAILS.....	8
3.3	INDEPENDENT OPERATION MODES.....	8
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS.....	8
3.5	SUBMITTED DOCUMENTS.....	9
4.	TEST SET-UP AND OPERATION MODES.....	9
4.1	PRINCIPLE OF CONFIGURATION SELECTION	9
4.2	TEST OPERATION AND TEST SOFTWARE	9
4.3	COUNTERMEASURES TO ACHIEVE ERM COMPLIANCE.....	10
4.4	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	11
4.5	TEST SETUP DIAGRAM	11
5.	TEST RESULTS	14
5.1	TEST REQUIREMENT & TEST SUITES	14
5.1.1	Antenna Requirement.....	14
5.1.2	Peak Output Power.....	15
5.1.3	Power Density.....	16
5.1.4	6dB Bandwidth.....	19
5.1.5	Conducted Spurious Emissions Measured in 100kHz Bandwidth.....	22
5.1.6	Radiated Spurious Emissions.....	25
5.1.7	Conducted Emissions	53
5.1.8	Radiated Emissions	56
6.	SAFETY HUMAN EXPOSURE	59
6.1	RADIO FREQUENCY EXPOSURE COMPLIANCE	59
6.1.1	Electromagnetic Fields	59

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 4 von 63
Page 4 of 63

7.	PHOTOGRAPHS OF THE TEST SET-UP	60
8.	LIST OF TABLES.....	63
9.	LIST OF PHOTOGRAPHS.....	63

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 5 von 63
Page 5 of 63

1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.
F1, Bldg. A, Changyuan New Material Port, Keyuan Rd., Science & Industry Park
Nanshan District, Shenzhen 518057, P.R. China
FCC Registration No.: 752051
IC OATS Registration No.: 5077A-2

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

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 6 von 63
Page 6 of 63

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
Spurious emission and Radiated emission				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-11
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2015-01-11
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2015-01-11
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2015-01-11
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2015-01-11
Pre-Amplifier	Rohde & Schwarz	CBLU11835 40-01	3791	2015-01-11
Broadband antenna	CHASE	CBL6111C	2576	2015-01-11
Horn Antenna	AR	AT4002A	305754	2015-01-11
Radio Test Suite				
Receiver	Rohde & Schwarz	FSV40	101495	2015-01-11
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
Artificial Mains Network	Schwarzbeck	NLSK8126	8126431	2015-01-11
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2015-01-11
50_ Coaxial Switch	Anritsu Corp	MP59B	6200283933	2015-01-11

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, 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

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements are $\pm 3\text{dB}$.

2.6 Location of Original Data

The original copies of all test data taken during actual testing were included in this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The Accurate Technology Co., Ltd located at F1, Bldg. A, Changyuan New Material Port, Keyuan Rd., Science & Industry Park Nanshan District, Shenzhen 518057, P.R. China, is listed on the US Federal Communications Commission list of facilities and Industry Canada OATS list approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a ring with a charging box. The EUT can communicate with mobile phone by using Bluetooth 4.0.

For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Rating of EUT

Table 3: Specification of EUT

Technical Specification	Value
FCC ID	2AB9V-J12
Operating Frequency	2402-2480MHz
Operating Voltage	DC 3.7V for ring via internal rechargeable battery DC 5.0V for charging box via USB port
Modulation	GFSK
Number of channel	40
Chanel spacing	2MHz
Bluetooth version	Bluetooth 4.0 (single mode)
Rated Maximum RF Power (e.i.r.p.)	-8 dBm
Antenna type and Gain	PCB Antenna, 1 dBi

3.3 Independent Operation Modes

- A. Ring On, Transmitting
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- B. Charging docking via computer
- C. Charging ring via docking
- D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Block Diagram
- Bill of Material
- Rating Label
- Circuit Diagram
- Instruction Manual

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted 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.

Table 4: RF channel and frequency of EUT

RF Channel of Bluetooth Low Energy (LE)							
RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	10	2422.00	20	2442.00	30	2462.00
1	2404.00	11	2424.00	21	2444.00	31	2464.00
2	2406.00	12	2426.00	22	2446.00	32	2466.00
3	2408.00	13	2428.00	23	2448.00	33	2468.00
4	2410.00	14	2430.00	24	2450.00	34	2470.00
5	2412.00	15	2432.00	25	2452.00	35	2472.00
6	2414.00	16	2434.00	26	2454.00	36	2474.00
7	2416.00	17	2436.00	27	2456.00	37	2476.00
8	2418.00	18	2438.00	28	2458.00	38	2478.00
9	2420.00	19	2440.00	29	2460.00	39	2480.00

4.3 Countermeasures to Achieve ERM Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF). No additional measures were employed to achieve compliance.

4.4 Special Accessories and Auxiliary Equipment

Auxiliary equipment:

Description	Manufacturer	Model	S/N
PC	Lenovo	4290-RT8	R9-FW93G
Printer	HP	HP laserjet 1015	--

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

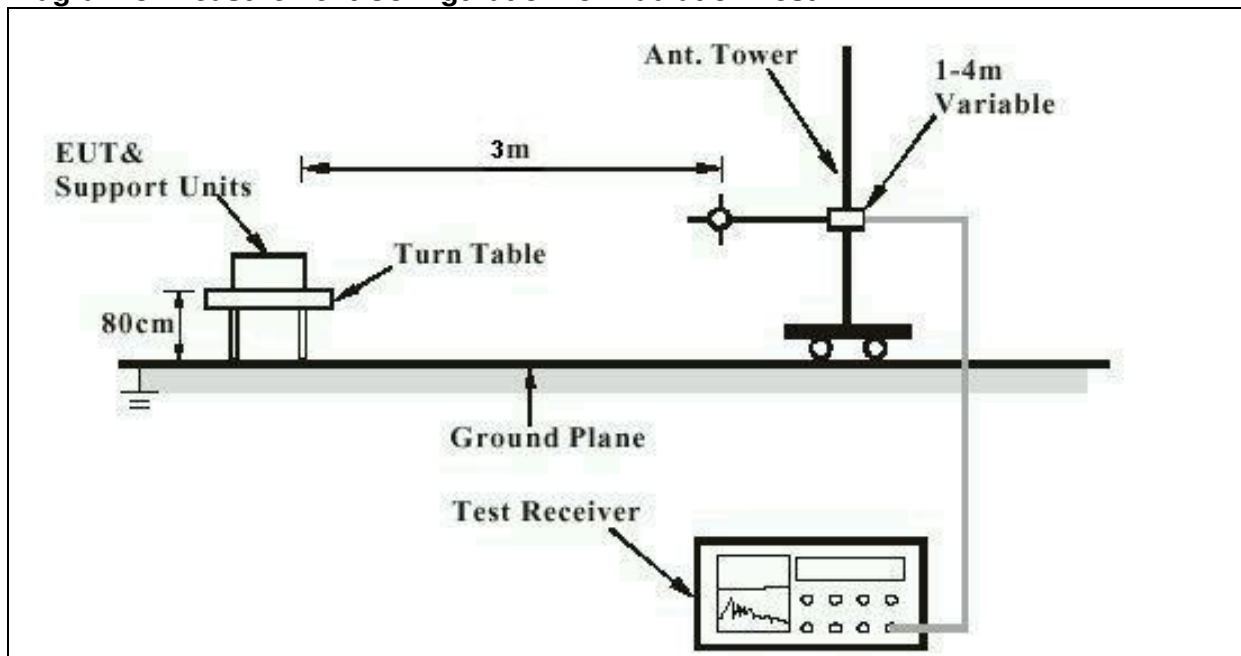


Diagram of Measurement Equipment Configuration for Conduction Measurement

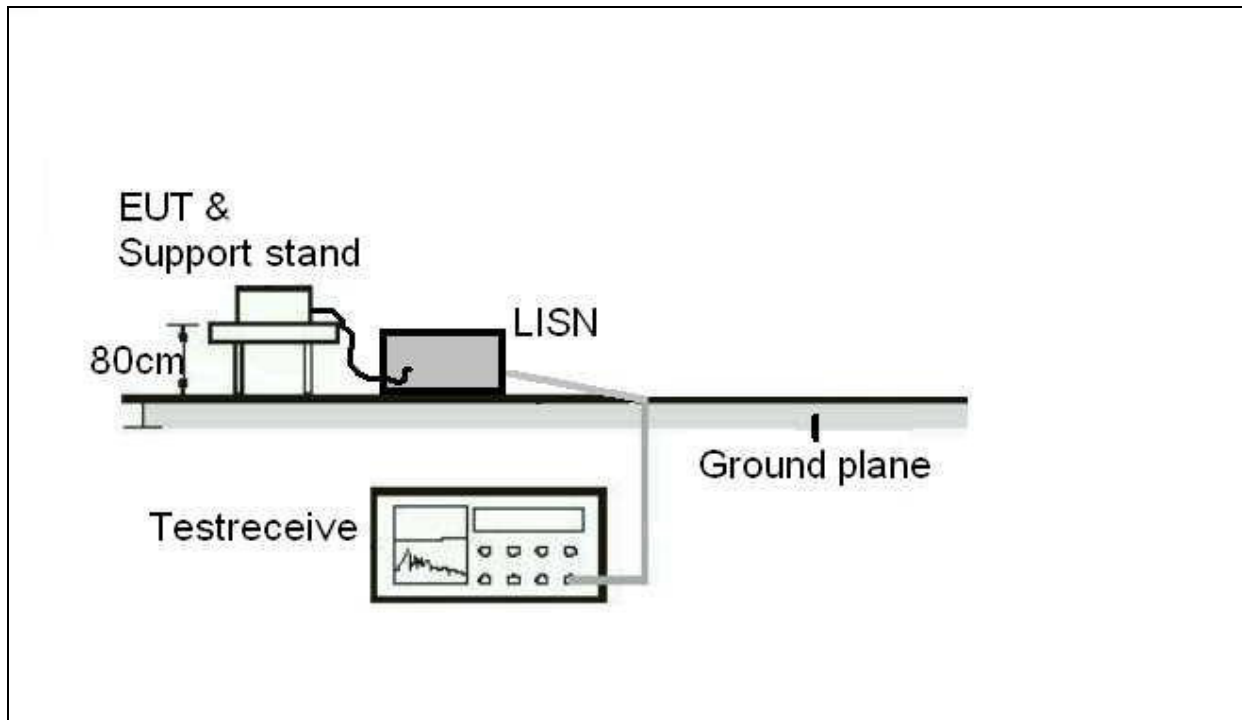
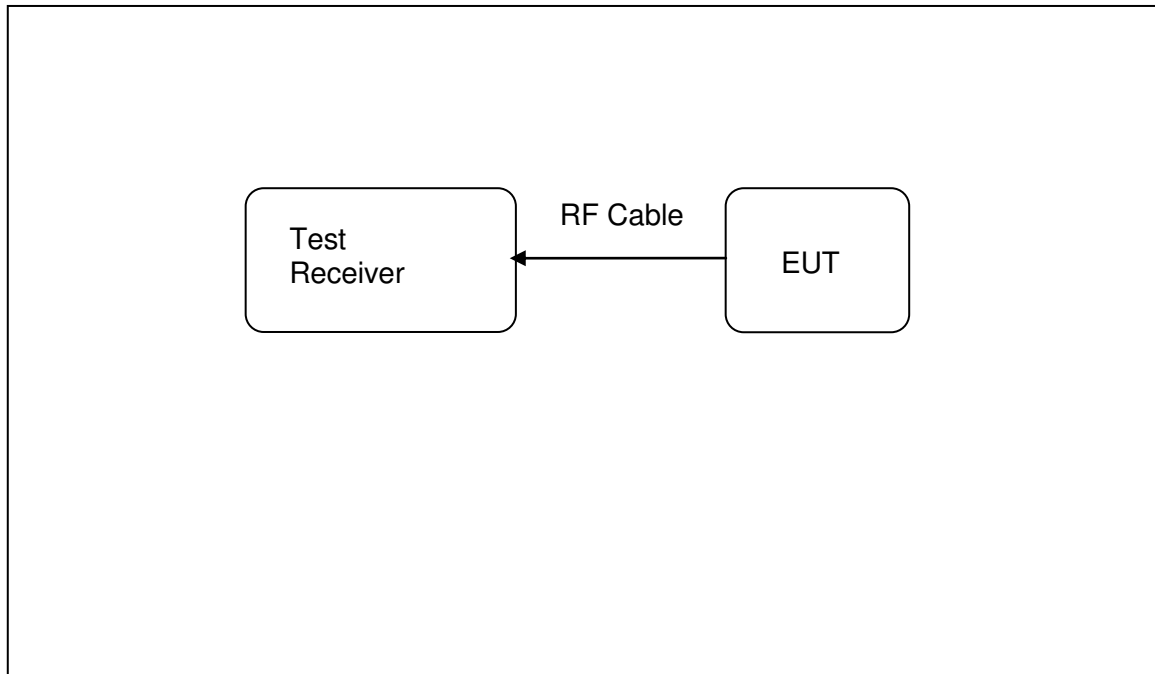


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



5. Test Results

5.1 Test Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test date	:	2014-09-16
Test standard	:	FCC Part 15.247(b)(4) and Part 15.203
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has an internal PCB antenna, the directional gain of antenna is 1dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT photos for details.

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 15 von 63
Page 15 of 63

5.1.2 Peak Output Power

RESULT:

Pass

Test date : 2014-10-17
Test standard : FCC Part 15.247(b)(1)&(b)(3)
Basic standard : ANSI C63.10: 2009
Limit : 1 Watt
Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A
Ambient temperature : 23°C
Relative humidity : 48%
Atmospheric pressure : 101 kPa

Table 5: Test result of Peak Output Power

Channel	Channel Frequency (MHz)	Peak Output Power		Limit (W)
		(dBm)	(mW)	
Low Channel	2402	-8.51	0.14	1
Middle Channel	2440	-11.79	0.07	1
High Channel	2480	-8.25	0.15	1

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 16 von 63
Page 16 of 63

5.1.3 Power Density

RESULT:

Pass

Date of testing : 2014-10-17
Test standard : FCC Part 15.247(e)
Basic standard : ANSI C63.10: 2009
Limits : 8dBm/3kHz
Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
Operation mode : A
Ambient temperature : 23°C
Relative humidity : 48%
Atmospheric pressure : 101 kPa

Table 6: Test result of power density

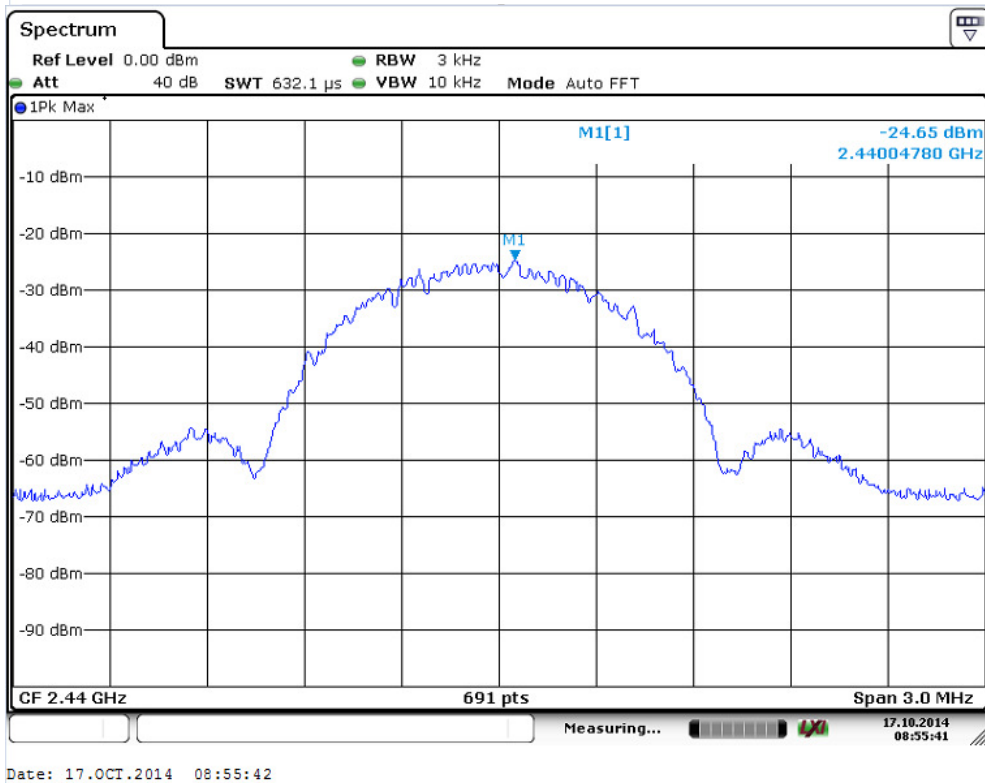
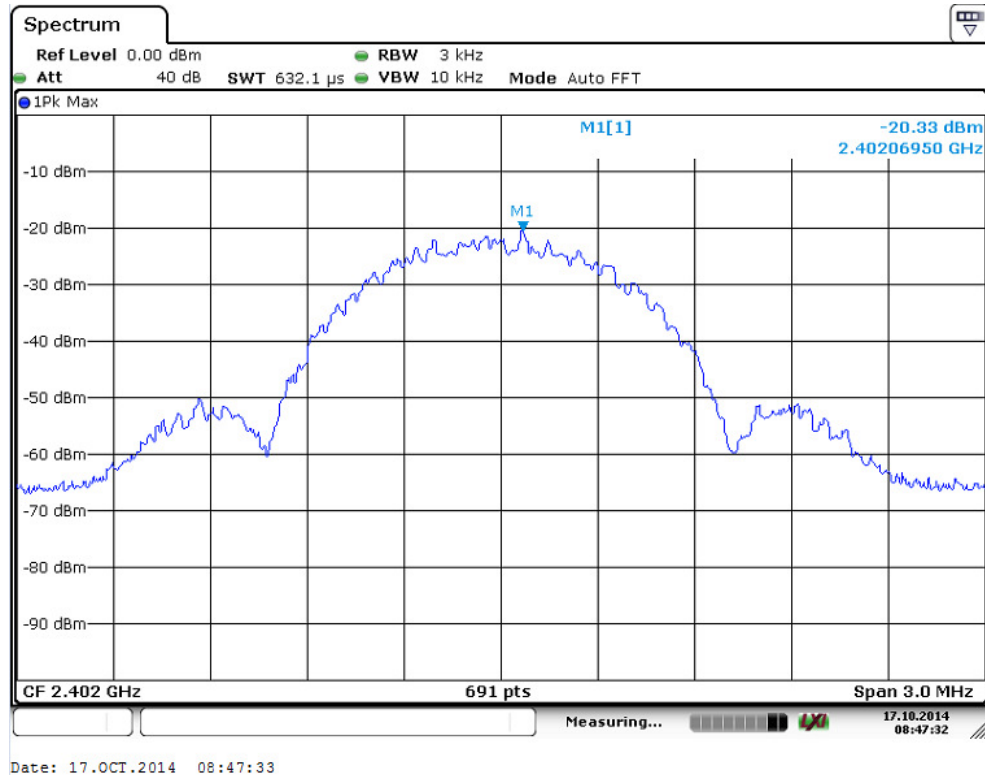
Channel	Channel Frequency (MHz)	Peak Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	2402	-19.08	8	Pass
Mid Channel	2440	-24.65	8	Pass
High Channel	2480	-20.56	8	Pass

For details refer to the following test plots.

Prüfbericht - Nr.: 17043757 001
Test Report No.

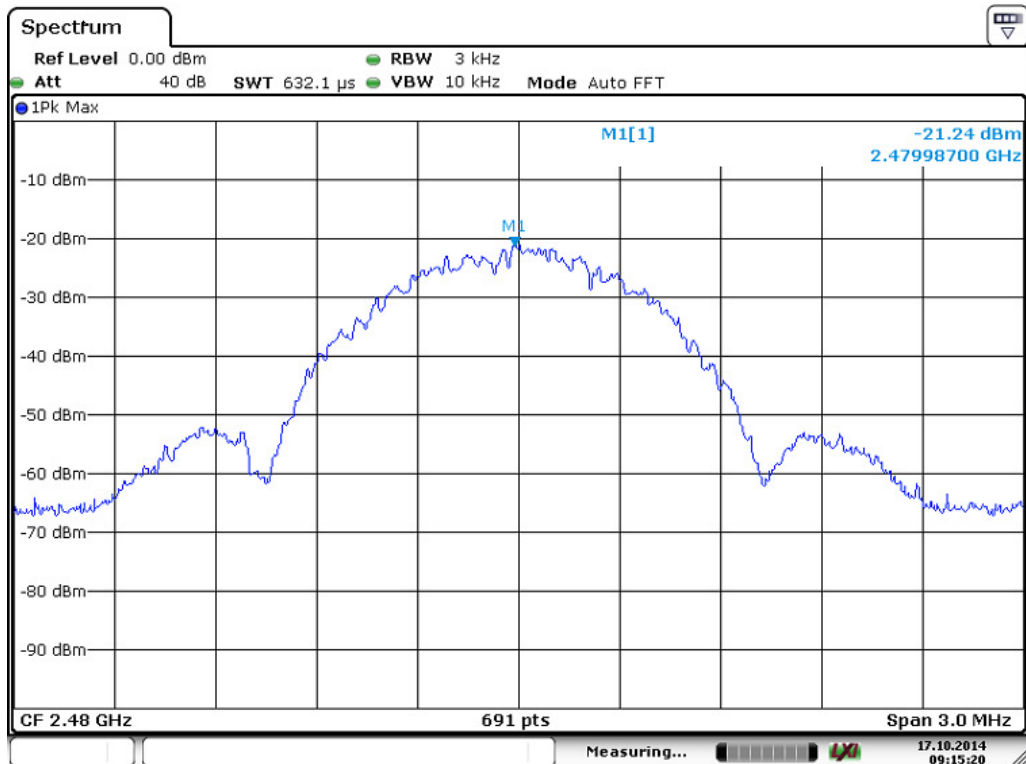
Seite 17 von 63
Page 17 of 63

Test plots of Power Density



Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 18 von 63
Page 18 of 63



Date: 17.OCT.2014 09:15:20

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 19 von 63
Page 19 of 63

5.1.4 6dB Bandwidth

RESULT:

Pass

Date of testing : 2014-10-17
Test standard : FCC Part 15.247(a)(2)
Basic standard : ANSI C63.10: 2009
Kind of test site : Shielded room

Test setup

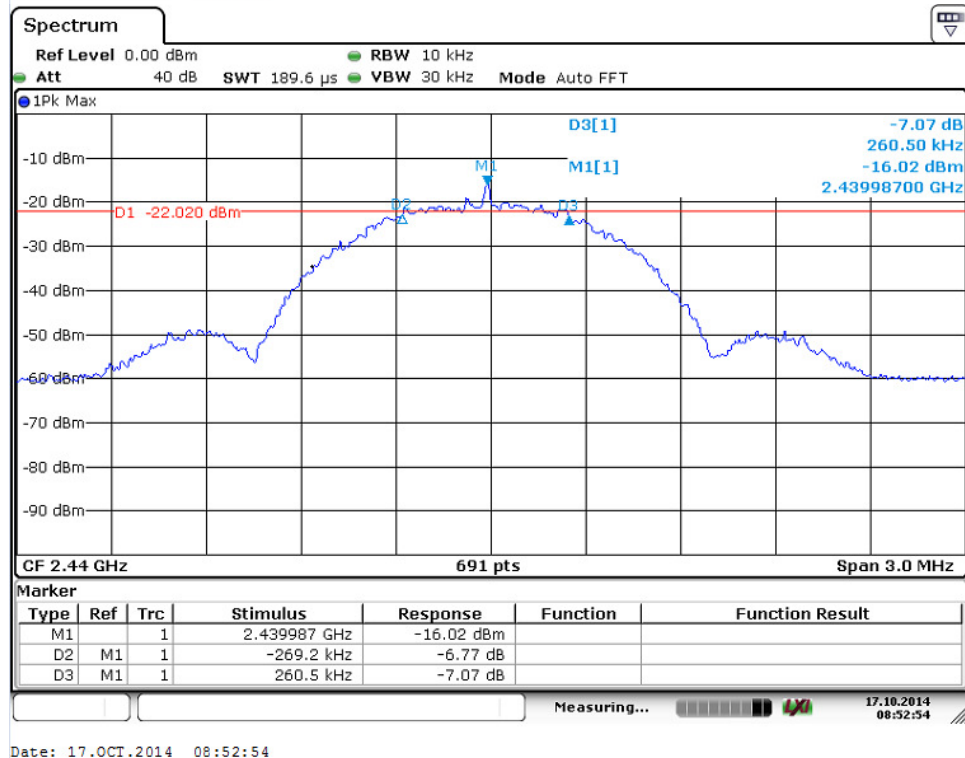
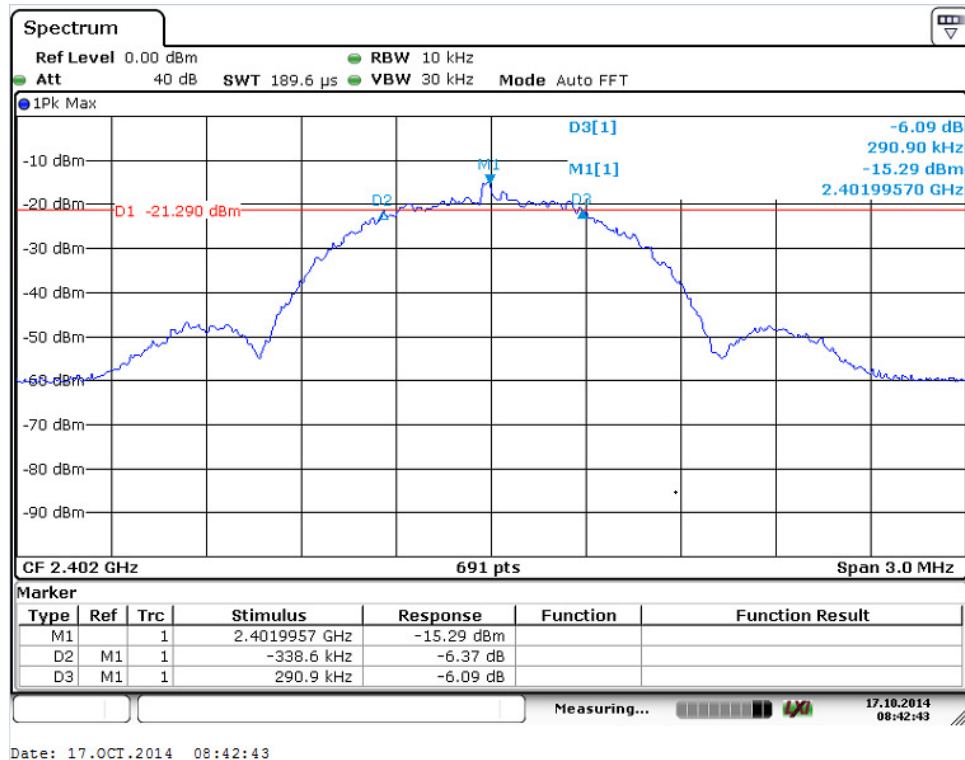
Test Channel : Low/ Middle/ High
Operation Mode : A
Ambient temperature : 23°C
Relative humidity : 48%
Atmospheric pressure : 101 kPa

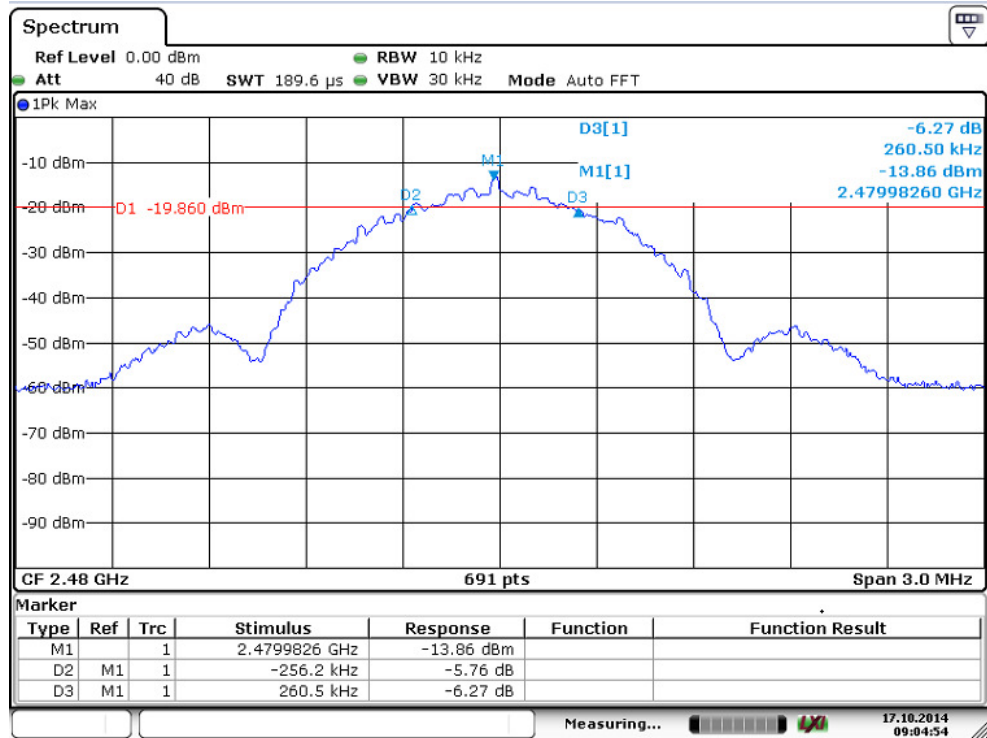
Table 7: Test result of 6dB Bandwidth

Channel	Channel Frequency (MHz)	6dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2402	629.5	>500	Pass
Mid Channel	2440	529.7	>500	Pass
High Channel	2480	516.7	>500	Pass

For details refer to the following test plots.

Test plots of 6dB bandwidth





Date: 17.OCT.2014 09:04:54

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 22 von 63
Page 22 of 63

5.1.5 Conducted Spurious Emissions Measured in 100kHz Bandwidth

RESULT:

Pass

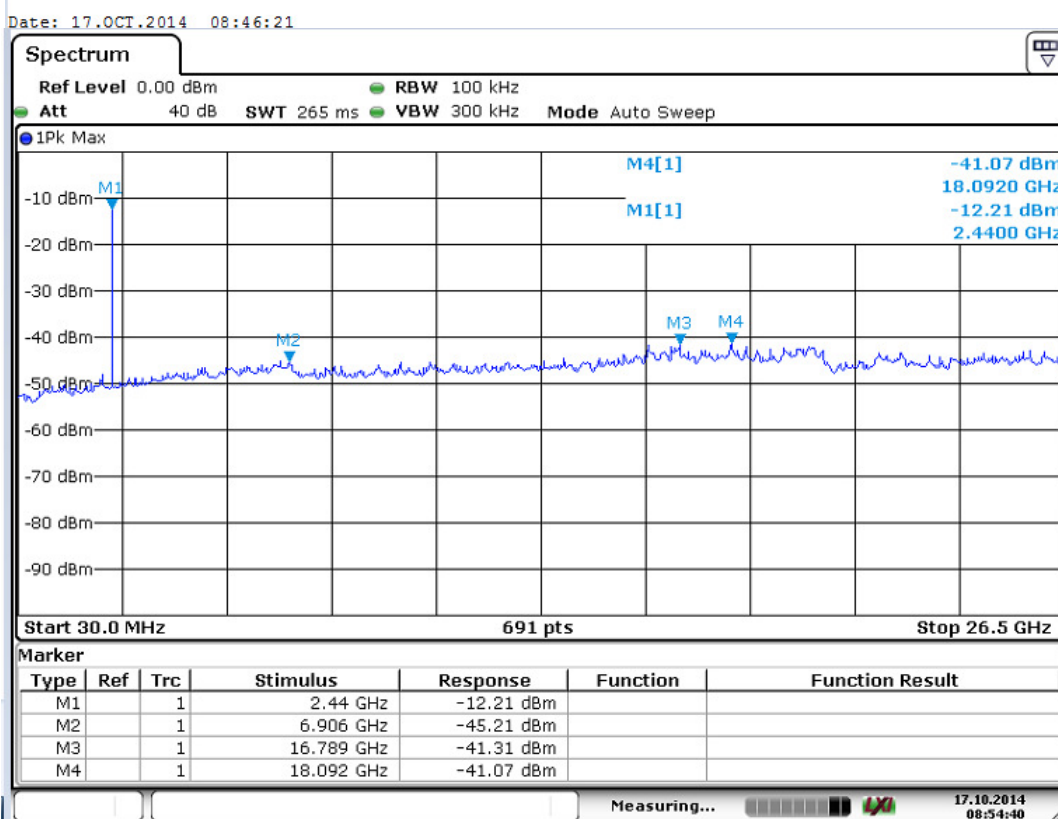
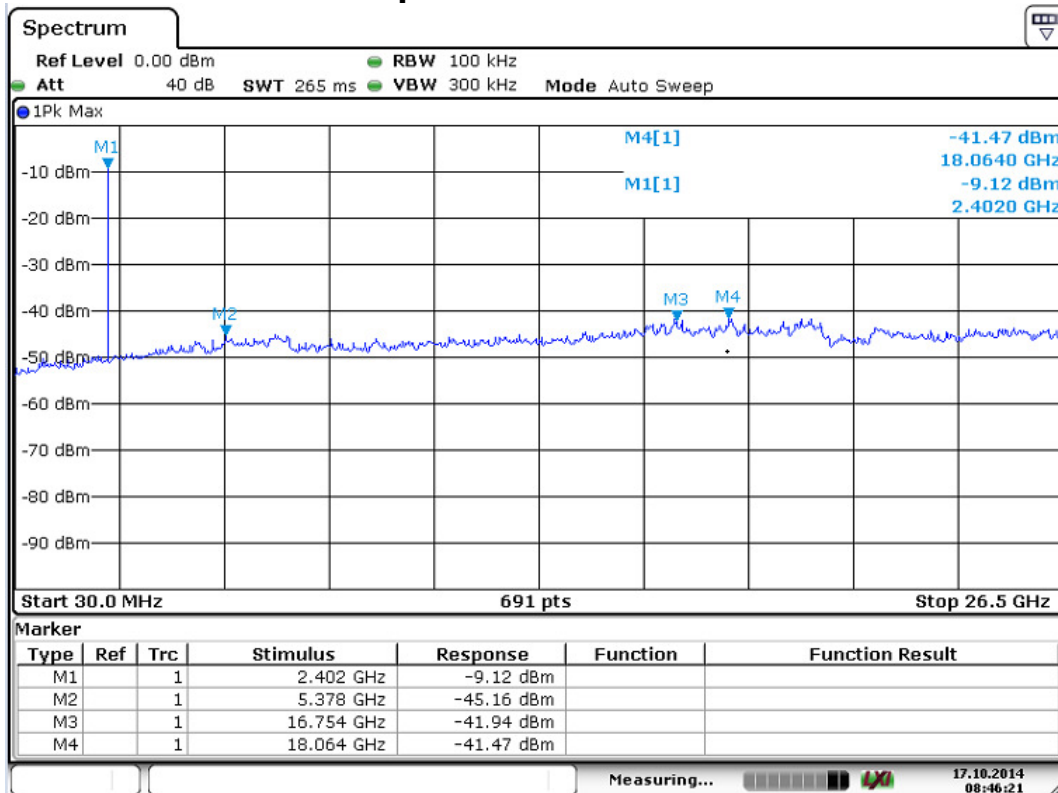
Date of testing	:	2014-10-17
Test standard	:	FCC Part 15.247(d)
Basic standard	:	ANSI C63.10: 2009
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	:	Shield room

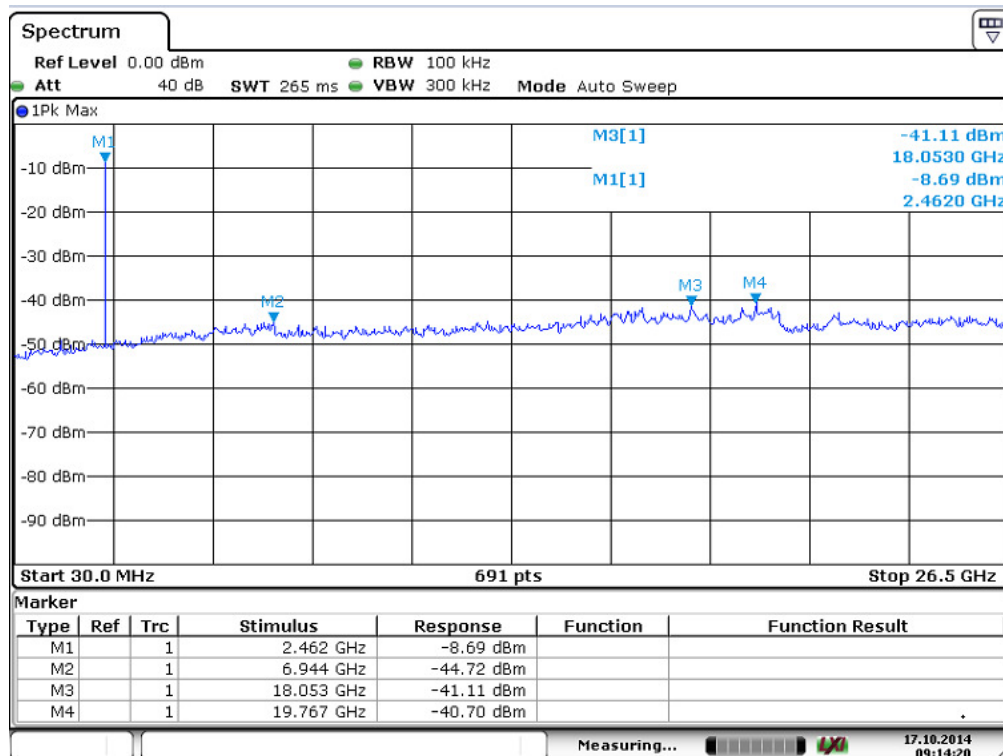
Test setup

Test Channel	:	Low/Middle/ High
Operation mode	:	A
Ambient temperature	:	23°C
Relative humidity	:	48%
Atmospheric pressure	:	101 kPa

For details refer to following test plots.

Test Plots of Conducted Spurious Emission





Date: 17.OCT.2014 09:14:20

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 25 von 63
Page 25 of 63

5.1.6 Radiated Spurious Emissions

RESULT:

Pass

Date of testing	:	2014-09-18
Test standard	:	FCC Part 15.247(d), FCC 15.205,
Basic standard	:	ANSI C63.10: 2009
Limit	:	Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A
Ambient temperature	:	23°C
Relative humidity	:	48%
Atmospheric pressure	:	101 kPa

For details refer to the following test plots.

Due to the small size of the product and that there are no inductive components of significant size, 9 kHz to 30MHz frequency range is not tested based on technical judgment.

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 26 von 63
Page 26 of 63

Test Plots of Radiated Spurious Emission

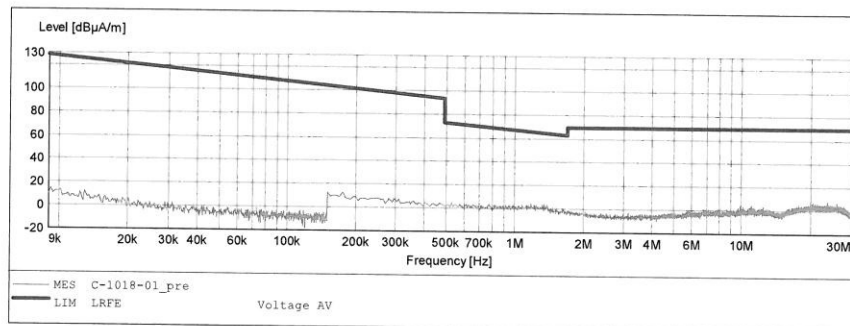
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: Ringly M/N:Ringly
Manufacturer: Ringly Co.,Ltd.
Operating Condition: TX 2402MHz
Test Site: 2# Chamber
Operator: LAN
Test Specification: DC 3.7V
Comment: X
Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 27 von 63
Page 27 of 63

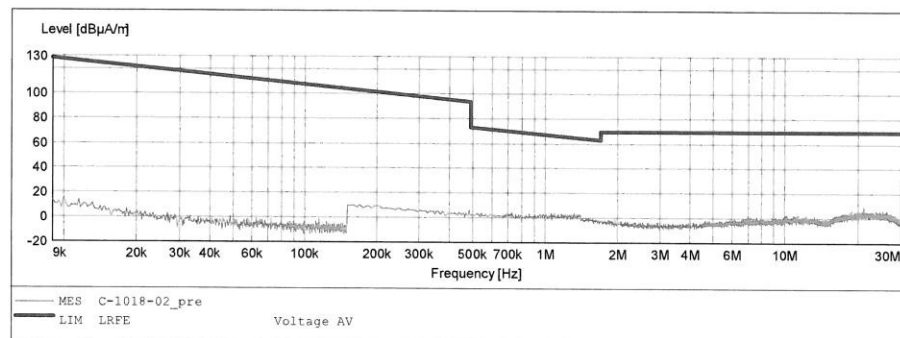
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: Ringly M/N:Ringly
Manufacturer: Ringly Co.,Ltd.
Operating Condition: TX 2402MHz
Test Site: 2# Chamber
Operator: LAN
Test Specification: DC 3.7V
Comment: Y
Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 28 von 63
Page 28 of 63

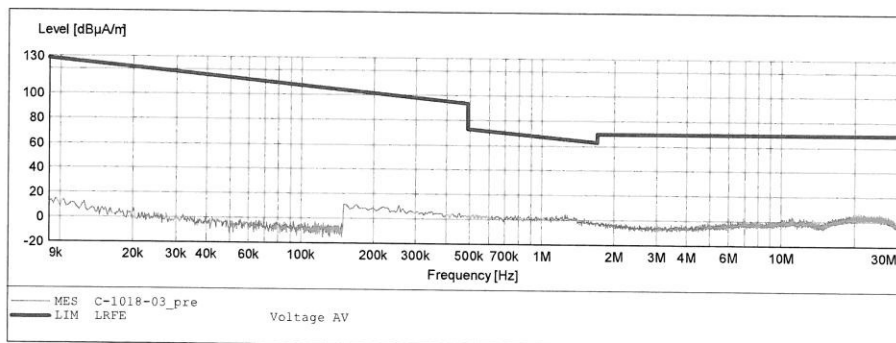
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: Ringly M/N:Ringly
Manufacturer: Ringly Co.,Ltd.
Operating Condition: TX 2402MHz
Test Site: 2# Chamber
Operator: LAN
Test Specification: DC 3.7V
Comment: Z
Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 29 von 63
Page 29 of 63

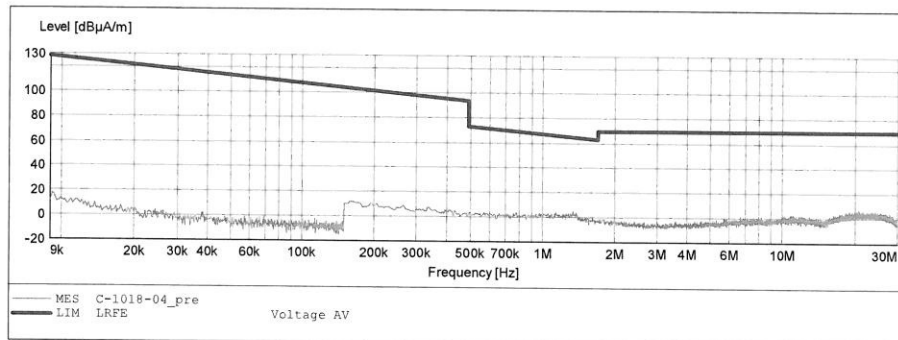
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: Ringly M/N:Ringly
Manufacturer: Ringly Co.,Ltd.
Operating Condition: TX 2440MHz
Test Site: 2# Chamber
Operator: LAN
Test Specification: DC 3.7V
Comment: X
Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

Short Description:			SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
Frequency 9.0 kHz	Frequency 150.0 kHz	Width 100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



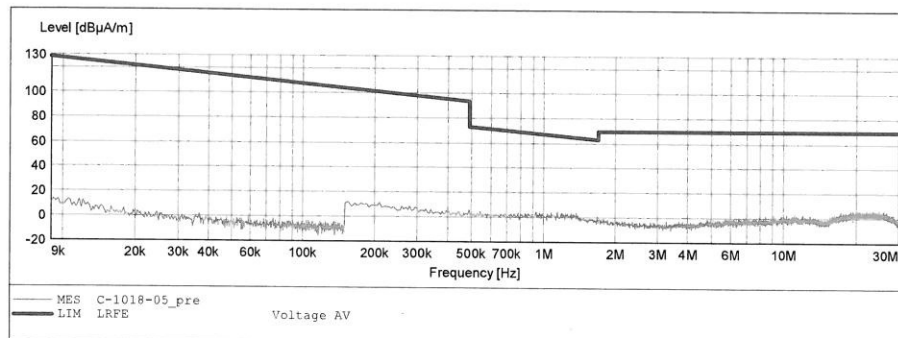
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: Ringly M/N:Ringly
Manufacturer: Ringly Co.,Ltd.
Operating Condition: TX 2440MHz
Test Site: 2# Chamber
Operator: LAN
Test Specification: DC 3.7V
Comment: Y
Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

Short Description:				_SUB_STD_VTERM2 1.70		
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 31 von 63
Page 31 of 63

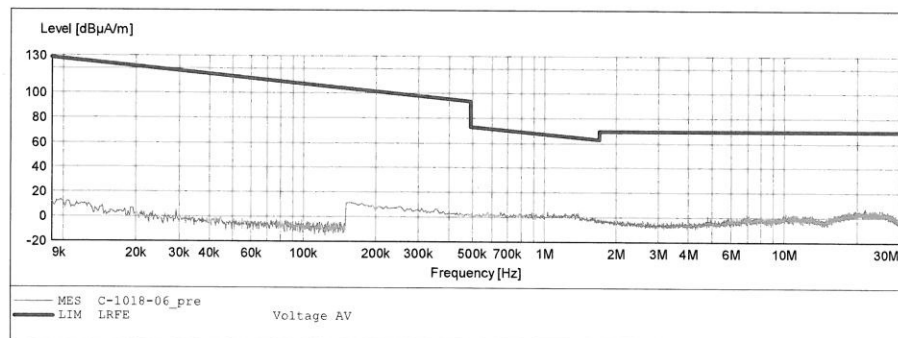
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: Ringly M/N:Ringly
Manufacturer: Ringly Co.,Ltd.
Operating Condition: TX 2440MHz
Test Site: 2# Chamber
Operator: LAN
Test Specification: DC 3.7V
Comment: Z
Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	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.: 17043757 001
Test Report No.

Seite 32 von 63
Page 32 of 63

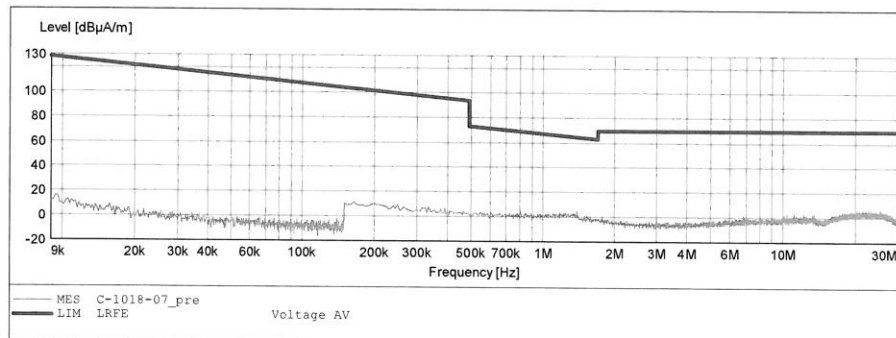
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: Ringly M/N:Ringly
Manufacturer: Ringly Co.,Ltd.
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: LAN
Test Specification: DC 3.7V
Comment: X
Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB_STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	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.: 17043757 001
Test Report No.

Seite 33 von 63
Page 33 of 63

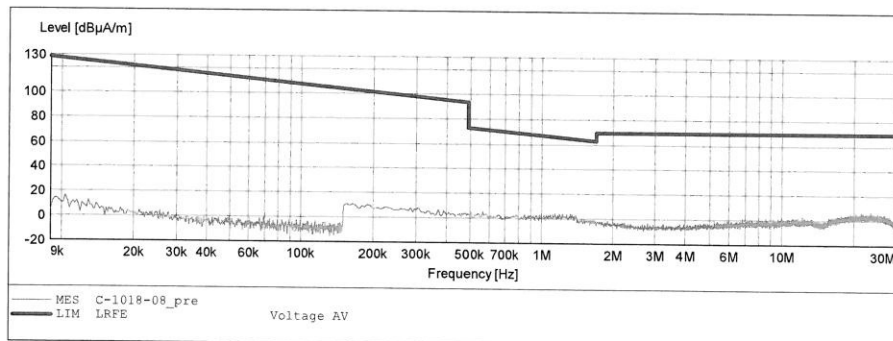
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: Ringly M/N:Ringly
Manufacturer: Ringly Co.,Ltd.
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: LAN
Test Specification: DC 3.7V
Comment: Y
Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB_STD_VTERM2 1.70				
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M	
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M	



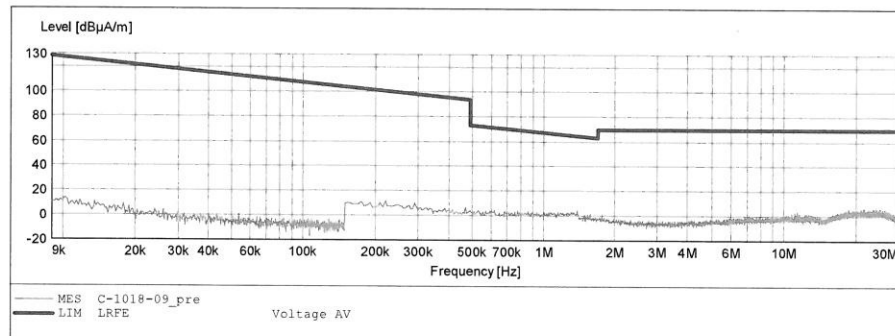
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: Ringly M/N:Ringly
Manufacturer: Ringly Co.,Ltd.
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: LAN
Test Specification: DC 3.7V
Comment: Z
Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	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.: 17043757 001
Test Report No.

Seite 35 von 63
Page 35 of 63



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.: LAN2014 #1140

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: Ringly

Mode: TX 2402MHz

Model: Ringly

Manufacturer: Ringly Co.,Ltd.

Polarization: Horizontal

Power Source: DC 3.7V

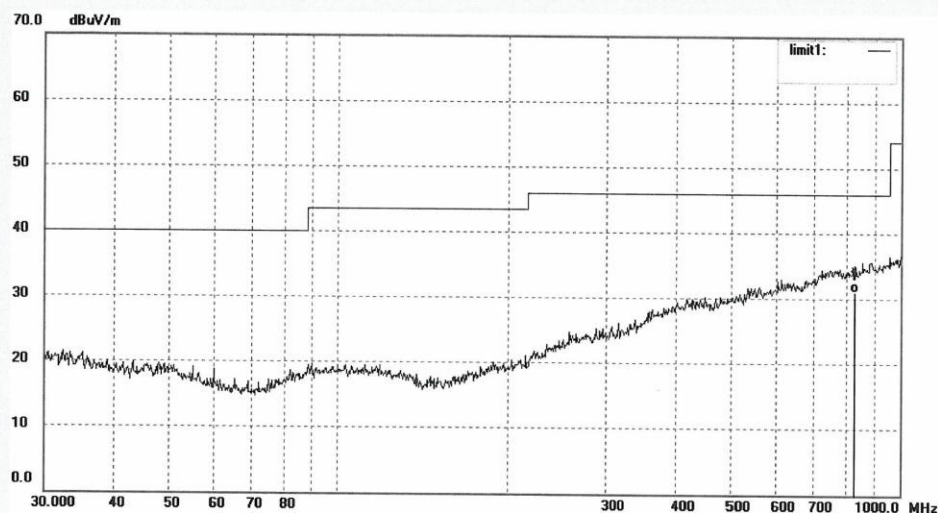
Date: 2014/10/16

Time:

Engineer Signature:

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	827.1793	2.91	28.20	31.11	46.00	-14.89	QP			

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 36 von 63
Page 36 of 63



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.: LAN2014 #1141

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: Ringly

Mode: TX 2402MHz

Model: Ringly

Manufacturer: Ringly Co.,Ltd.

Polarization: Vertical

Power Source: DC 3.7V

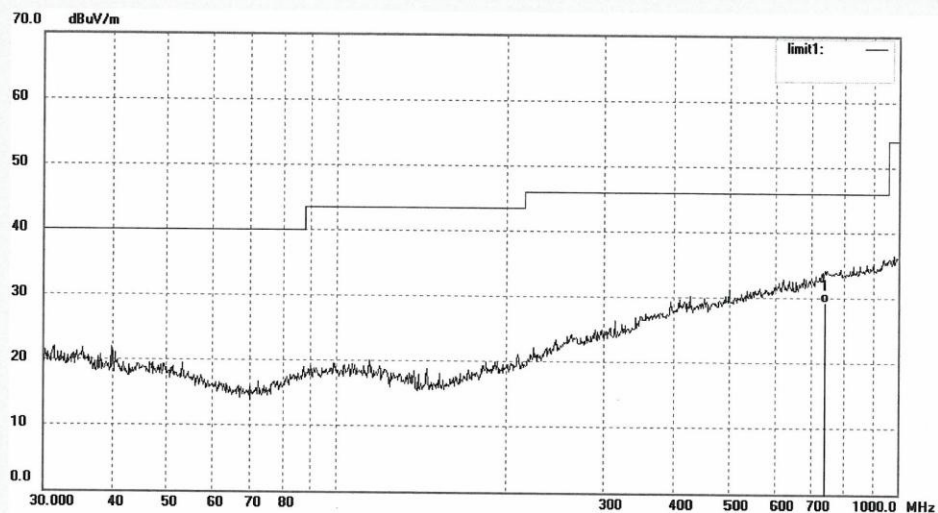
Date: 2014/10/16

Time:

Engineer Signature:

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	739.2136	1.78	27.50	29.28	46.00	-16.72	QP			

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 37 von 63
Page 37 of 63



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.: LAN2014 #1142

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: Ringly

Mode: TX 2440MHz

Model: Ringly

Manufacturer: Ringly Co.,Ltd.

Polarization: Vertical

Power Source: DC 3.7V

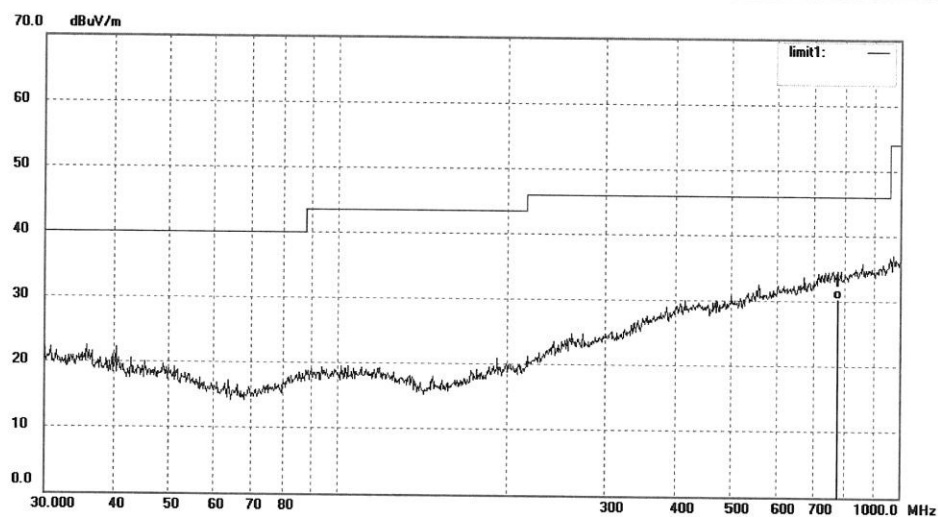
Date: 2014/10/16

Time:

Engineer Signature:

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	773.7612	2.43	27.85	30.28	46.00	-15.72	QP			

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 38 von 63
Page 38 of 63



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.: LAN2014 #1143

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: Ringly

Mode: TX 2440MHz

Model: Ringly

Manufacturer: Ringly Co.,Ltd.

Polarization: Horizontal

Power Source: DC 3.7V

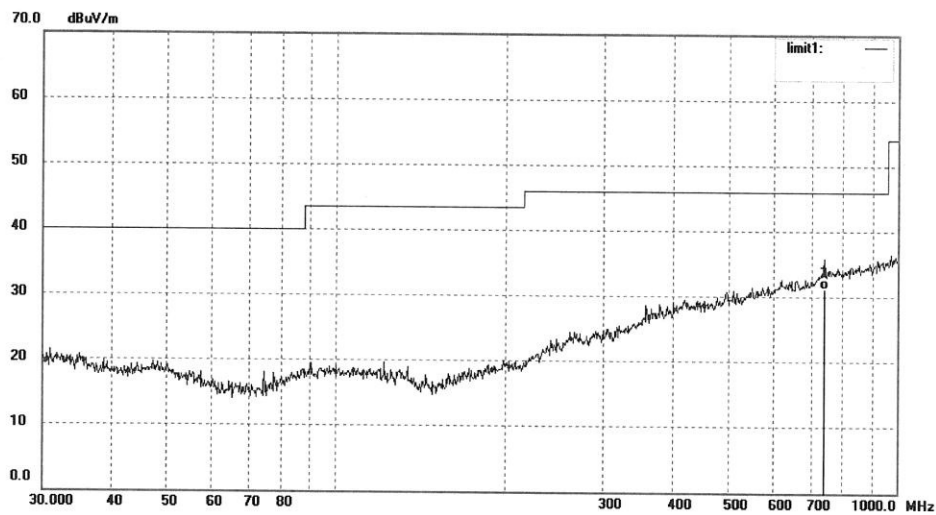
Date: 2014/10/16

Time:

Engineer Signature:

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	739.2136	3.79	27.50	31.29	46.00	-14.71	QP			

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 39 von 63
Page 39 of 63



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.: LAN2014 #1144

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: Ringly

Mode: TX 2480MHz

Model: Ringly

Manufacturer: Ringly Co.,Ltd.

Polarization: Horizontal

Power Source: DC 3.7V

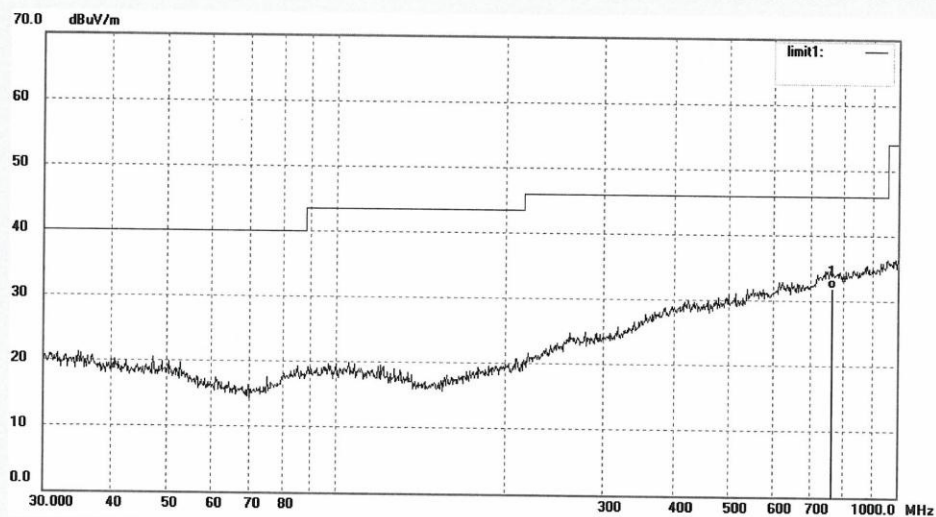
Date: 2014/10/16

Time:

Engineer Signature:

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	762.9628	4.17	27.81	31.98	46.00	-14.02	QP			

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 40 von 63
Page 40 of 63



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.: LAN2014 #1145

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: Ringly

Mode: TX 2480MHz

Model: Ringly

Manufacturer: Ringly Co.,Ltd.

Polarization: Vertical

Power Source: DC 3.7V

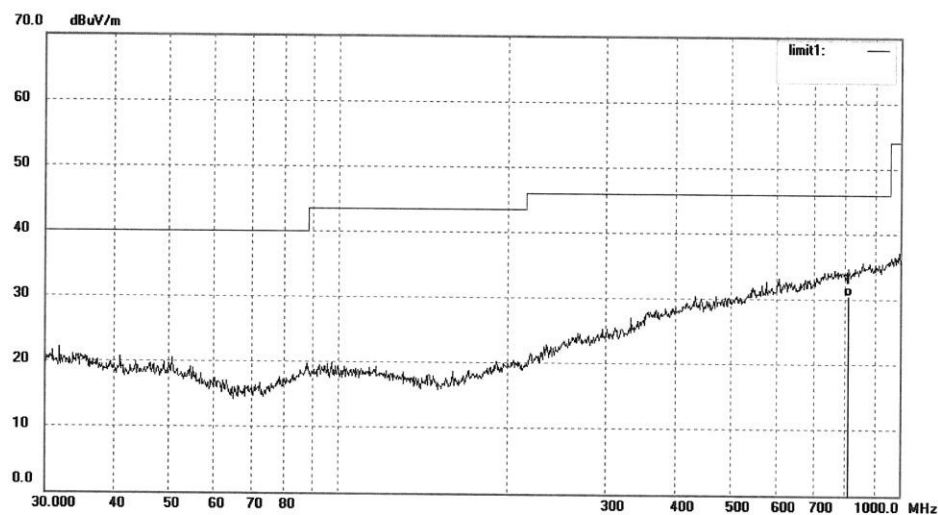
Date: 2014/10/16

Time:

Engineer Signature:

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	807.0828	2.54	27.94	30.48	46.00	-15.52	QP			

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 41 von 63
Page 41 of 63



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.: LAN2014 #1129

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Ringly

Mode: TX 2402MHz

Model: Ringly

Manufacturer: Ringly Co.,Ltd.

Polarization: Vertical

Power Source: DC 3.7V

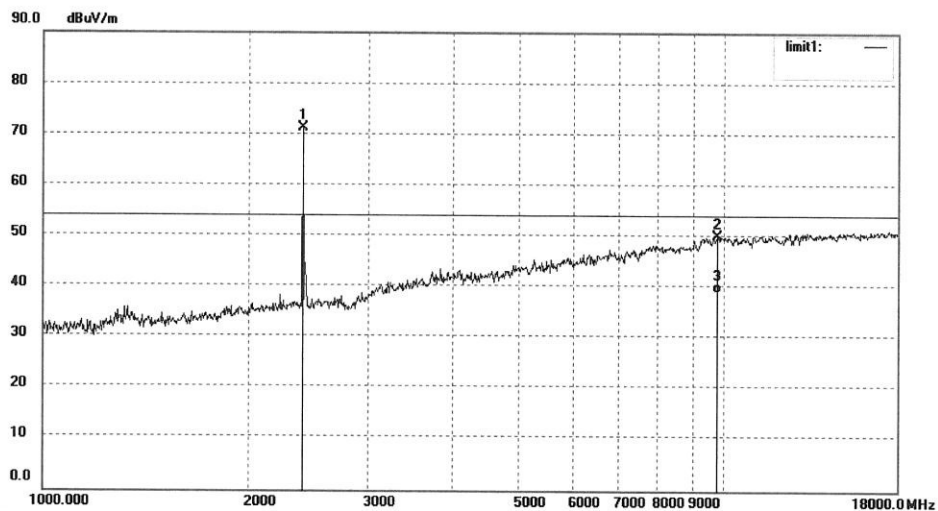
Date: 2014/10/16

Time:

Engineer Signature:

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	2402.000	78.57	-7.45	71.12	/	/	peak			
2	9753.371	40.35	9.61	49.96	74.00	-24.04	peak			
3	9753.371	29.46	9.61	39.07	54.00	-14.93	AVG			

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 42 von 63
Page 42 of 63



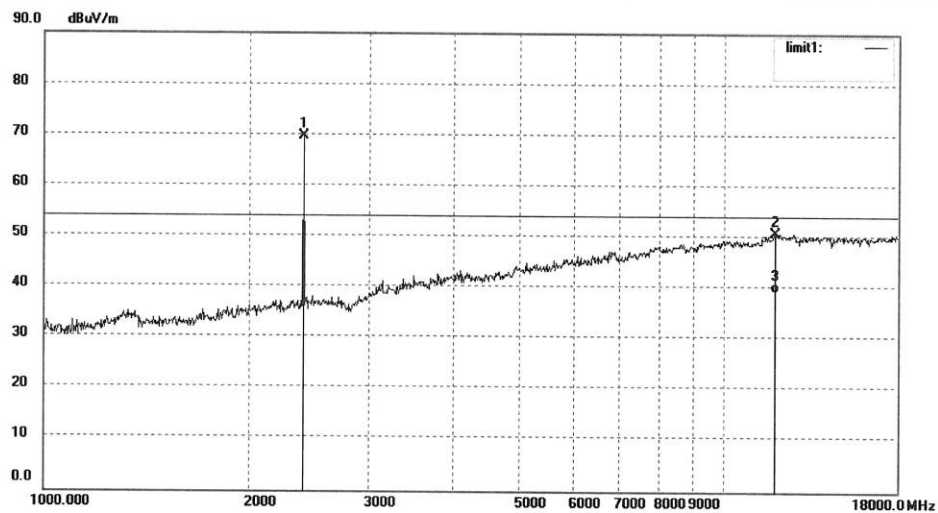
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LAN2014 #1130
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Ringly
Mode: TX 2402MHz
Model: Ringly
Manufacturer: Ringly Co.,Ltd.

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2014/10/16
Time:
Engineer Signature:
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	2402.000	77.01	-7.45	69.56	/	/	peak			
2	11906.073	39.58	11.24	50.82	74.00	-23.18	peak			
3	11906.073	27.93	11.24	39.17	54.00	-14.83	AVG			

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 43 von 63
Page 43 of 63



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.: LAN2014 #1131

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Ringly

Mode: TX 2440MHz

Model: Ringly

Manufacturer: Ringly Co.,Ltd.

Polarization: Horizontal

Power Source: DC 3.7V

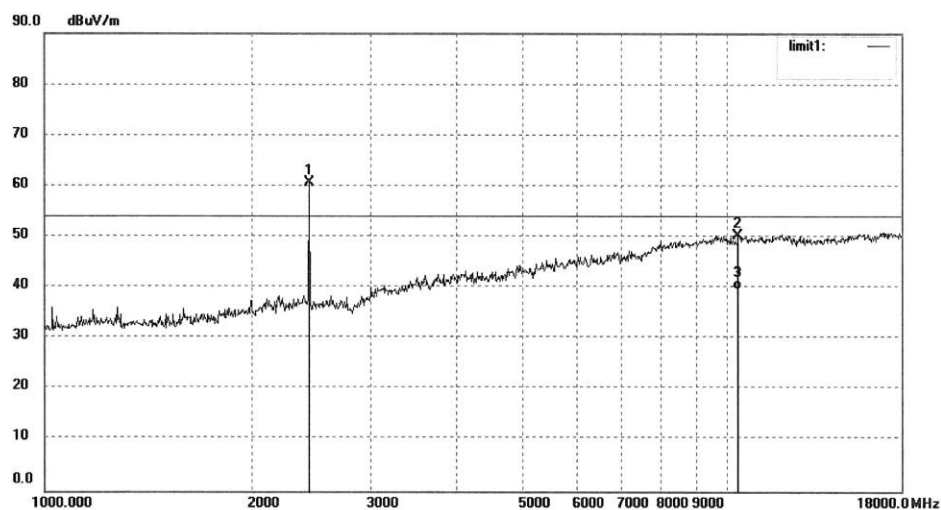
Date: 2014/10/16

Time:

Engineer Signature:

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	2440.000	67.93	-7.36	60.57	/	/	peak			
2	10363.715	41.42	8.97	50.39	74.00	-23.61	peak			
3	10363.715	30.72	8.97	39.69	54.00	-14.31	AVG			

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 44 von 63
Page 44 of 63



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.: LAN2014 #1132

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Ringly

Mode: TX 2440MHz

Model: Ringly

Manufacturer: Ringly Co.,Ltd.

Polarization: Vertical

Power Source: DC 3.7V

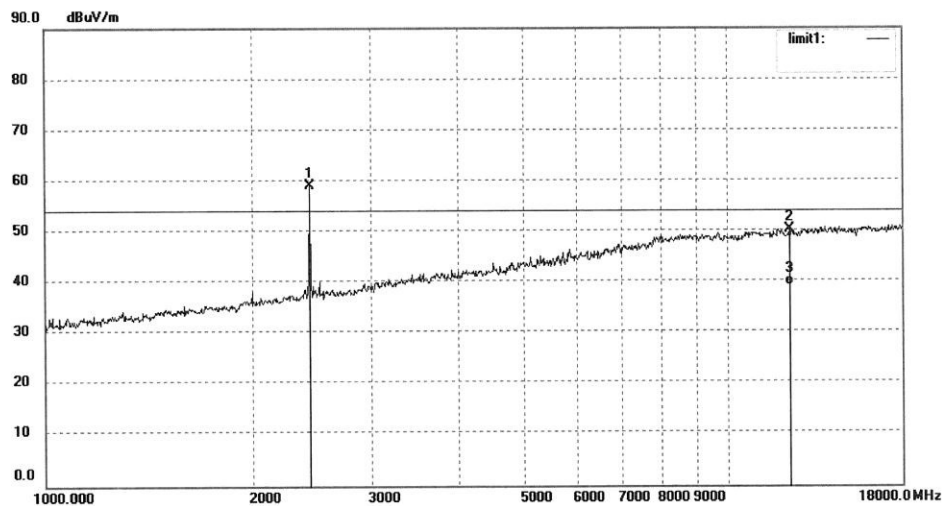
Date: 2014/10/16

Time:

Engineer Signature:

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	2440.000	66.49	-7.36	59.13	/	/	peak			
2	12255.224	12.22	38.16	50.38	74.00	-3.62	peak			
3	12255.224	1.16	38.16	39.32	54.00	-14.68	AVG			

Prüfbericht - Nr.: 17043757 001
Test Report No.

Seite 45 von 63
Page 45 of 63



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

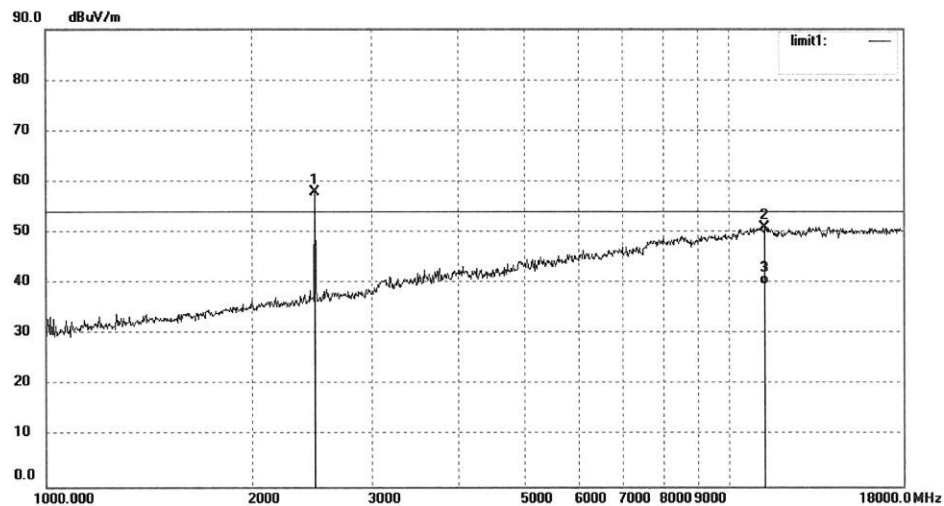
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #1133
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Ringly
Mode: TX 2480MHz
Model: Ringly
Manufacturer: Ringly Co.,Ltd.

Polarization: Vertical
Power Source: DC 3.7V
Date: 2014/10/16
Time:
Engineer Signature:
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	2480.000	65.22	-7.37	57.85	/	/	peak			
2	11237.329	40.99	9.90	50.89	74.00	-23.11	peak			
3	11237.329	29.74	9.90	39.64	54.00	-14.36	AVG			