

Prüfbericht-Nr.: 50097227 001 Auftrags-Nr.: 114058583 Seite 1 von 37 Test Report No.: Order No.: Page 1 of 37 Kunden-Referenz-Nr.: N/A Auftragsdatum: 28-Nov-2016 Client Reference No.: Order date: Auftraggeber: Liyatech Corporation., 20F.-8, No.7, Sec. 3, New Taipei Blvd., Xinzhuang Dist., New Client: Taipei City 242, Taiwan Prüfgegenstand: LRM001 Test item: Bezeichnung / Typ-Nr.: LRM001-915 Identification / Type No.: Auftrags-Inhalt: FCC Part 15C (FHSS) Order content. Prüfgrundlage: Test specification: FCC 47CFR Part 15: Subpart C Section 15.247 Wareneingangsdatum: 12-Jan-2017 Date of receipt. Prüfmuster-Nr.: A000467270-001 Test sample No.: Prüfzeitraum: 17-Feb-2017 - 03-Aug-2017 Testing period: Ort der Prüfung: **EMC Laboratory Taipei** Place of testing: Prüflaboratorium: TUV Rheinland Taiwan Ltd. Testing laboratory: Prüfergebnis*: Pass Test result*: geprüft von / tested by: kontrolliert von / reviewed b 2018-04-09 Sam C.J. Kuo/Engineer 2018-04-09 Arvin Ho/Vice General Manager Unterschrift Name / Stellung unterscl.rif Name / Stellung Datum Datum Name / Position Date Signature Date Name / Position Signature

Sonstiges / Other.

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

4 = ausreichend * Legende: 1 = sehr gut 3 = befriedigend 5 = mangelhaft F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet P(ass) = entspricht o.g. Prüfgrundlage(n) 2 = good3 = satisfactory4 = sufficient Legend: 1 = very good 5 = poorP(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/T = not testedN/A = not applicable

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.

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.



Products

 Prüfbericht - Nr.:
 50097227 001
 Seite 2 von 37

 Test Report No.
 Page 2 of 37

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Passed

5.1.2 PEAK OUTPUT POWER

RESULT: Passed

5.1.3 20DB BANDWIDTH

RESULT: Passed

5.1.4 CONDUCTED SPURIOUS EMISSIONS AND FREQUENCY BAND EDGE MEASURED IN 100kHz BANDWIDTH

RESULT: Passed

5.1.5 Spurious Emission

RESULT: Passed

5.1.6 FREQUENCY SEPARATION

RESULT: Passed

5.1.7 NUMBER OF HOPPING FREQUENCY

RESULT: Passed

5.1.8 TIME OF OCCUPANCY

RESULT: Passed

5.2.1 Mains Conducted Emissions

RESULT: Passed

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: Passed



Prüfbericht - Nr.: 50097227 001 Test Report No.

Seite 3 von 37 Page 3 of 37

Contents

	Oditionto				
1.	GENERAL REMARKS	5			
1.1	COMPLEMENTARY MATERIALS	5			
2.	Test Sites	6			
2.1	TEST FACILITY	6			
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS	7			
2.3	Traceability	8			
2.4	CALIBRATION	8			
2.5	MEASUREMENT UNCERTAINTY	8			
3.	GENERAL PRODUCT INFORMATION	9			
3.1	PRODUCT FUNCTION AND INTENDED USE	9			
3.2	SYSTEM DETAILS AND RATINGS	9			
3.3	INDEPENDENT OPERATION MODES	10			
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS	10			
3.5	SUBMITTED DOCUMENTS	10			
4.	TEST SET-UP AND OPERATION MODES	11			
4.1	PRINCIPLE OF CONFIGURATION SELECTION	11			
4.2	TEST OPERATION AND TEST SOFTWARE	11			
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	11			
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE	12			
4.5	TEST SETUP DIAGRAM	12			
5.	TEST RESULTS	15			
5.1	TRANSMITTER REQUIREMENT & TEST SUITES				
5.1. 5.1.	.1 Antenna Requirement				
5. 1. 5. 1.					
5.1.	.4 Conducted spurious emissions and Frequency Band Edge measured in 100kHz				
5.1.	Bandwidth				
5.1.	.6 Frequency Separation	25			
5.1. 5.1.					
5.7. 5.2	Mains Emissions				
_	5.2.1 Mains Conducted Emissions				
6.	SAFETY HUMAN EXPOSURE	32			



Produkte

Products			
	bericht - Nr.: Report No.	50097227 001	Seite 4 von 37 <i>Page 4 of 37</i>
6.1 6.1		Y EXPOSURE COMPLIANCE	
Рно	OGRAPHS OF THE T	EST SET-UP	33
7.	LIST OF TABLES		37
8.	LIST OF PHOTOGR	APHS	37



50097227 001 Seite 5 von 37 Prüfbericht - Nr.: Page 5 of 37

Test Report No.

1. General Remarks

Complementary Materials

The following attachments are integral parts of this test report:

Appendix P: Photo Documentation

(File Name: 50097227APPENDIX P)

Appendix D: Test Result of Radiated Emissions

(File Name: 50097227APPENDIX D)

Test Specifications

The following standards were applied

Table 1: Applied Standard and Test Levels

Radio

FCC CFR47 Part 15: Subpart C Section 15.247 ANSI C63.10:2013



 Prüfbericht - Nr.:
 50097227 001
 Seite 6 von 37

 Test Report No.
 Page 6 of 37

2. Test Sites

2.1 Test Facility

TUV Rheinland Taiwan Ltd. Taipei Office

11F. No.758, Sec. 4, Bade Rd., Songshan Dist. Taipei City 105
Taiwan (R.O.C.)

FCC RegistrationNo.: 340738

IC Canada Registration No.: 9465A-1 TAF Accredited NCC Test Lab. No.:0759

TAF ISO17025 Certification effective periods: 2016-Jul-1st to 2019-Jun-30th



Testing Laboratory 0759

Prüfbericht - Nr.: 50097227 001

Test Report No.

Seite 7 von 37 Page 7 of 37

2.2 List of Test and Measurement Instruments

Table 2: List of Test and Measurement Equipment

Kind of Equipment	Manu-facturer	Туре	S/N	Last Calibration	Next Calibration
Test Software	Farad	EZ_EMC	Ver. TUV3A1	N/A	N/A
EMI Test Receiver	R&S	ESR7	101062	2016/09/12	2017/09/12
Spectrum Analyzer	R&S	FSV 40	100921	2017/05/02	2018/05/01
Spectrum Analyzer	Agilent	N9010A	MY53470241	2017/05/23	2018/05/22
Preamplifier (30MHz -1GHz)	HP	8447F	2805A03335	2016/07/29	2017/07/29
Preamplifier (18 GHz -40 GHz)	COM- POWER	PAM-840	461257	2016/12/01	2017/12/01
Pre-Amplifier (1GHz~18GHz)	EM Electronics	EM01G18G	060558	2016/11/17	2017/11/17
Bilog Antenna	TESEQ	CBL6111D	29802	2016/8/10	2017/8/10
Horn Antenna	ETS- Lindgren	3117	138160	2017/5/25	2018/5/25
Horn Antenna (18GHz~40GHz)	COM- POWER	AH-840	101031	2016/11/22	2017/11/22
Loop Antenna	Schwarzbeck	FMZB 1513	1513-076	2017/6/14	2018/6/14
EMI Test Receiver	R&S	ESCI7	100797	2016/12/30	2017/12/30
Spectrum Analyzer	R&S	FSL3	101943	2015/09/07	2017/09/07
Temp. & Humid. Chamber	Giant Force	GCT-099- 40-S	MAF0103- 007	2015/07/13	2017/07/12
LISN (1 phase)	R&S	ENV216	101243	2017/6/18	2018/6/18
LISN	R&S	ENV216	101262	2016/06/16	2017/06/16
Power sensor	Agilent	U2021XA	MY54020001	2017/03/08	2018/03/07

Products

 Prüfbericht - Nr.:
 50097227 001
 Seite 8 von 37

 Test Report No.
 Page 8 of 37

2.3 Traceability

All measurement equipment calibrations are traceable to NML(Taiwan)/NIST(USA) or where calibration is performed outside Taiwan, to equivalent nationally recognized standards organizations.

2.4 Calibration

requiring calibration is calibrated periodically in a suitably accredited Calibration Lab. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements:.

Table 3: Emission Measurement Uncertainty

Parameter	Uncertainty
RF power, conducted	± 1.5 dB
Adjacent channel power	± 3 dB
Radiated emission of transmitter, valid up to 26 GHz	± 6 dB
Radiated emission of receiver, valid up to 26 GHz	± 6 dB
Temperature	± 2 °C
Humidity	± 10 %



Products

 Prüfbericht - Nr.:
 50097227 001
 Seite 9 von 37

 Test Report No.
 Page 9 of 37

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a LoRa Module, it contains a 902MHz - 928MHz Wireless compatible module enabling the user to communicate data through a Wireless interface. For details refer to the User Guide, Data Sheet and Circuit Diagram.

3.2 System Details and Ratings

Table 4: Basic Information of EUT

Item	EUT information
Kind of Equipment	LRM001
Type Designation	LRM001-915
FCC ID	2ALXW-LRM001915010

Table 5: Technical Specification of EUT

Technical Specification	Value
Operating Frequency	902.3 MHz - 914.9 MHz
Channel Spacing	200KHz
Channel number	64
Operation Voltage	5Vdc
Modulation	LoRa
Antenna gain	2 dBi



Seite 10 von 37 50097227 001 Prüfbericht - Nr.: Page 10 of 37

Test Report No.

3.3 Independent Operation Modes

The basic operation modes are:

- A. Transmitting
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- B. Receiving

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Circuit Diagram
- Instruction Manual
- Rating Label
- Technical Description



> Seite 11 von 37 50097227 001 Prüfbericht - Nr.: Page 11 of 37

Test Report No.

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 4. All testing were performed according to the procedures in ANSI C63.10: 2013

The samples were used as follows:

Conducted: A000467270 001 Radiation: A000467270 001

Full test was applied on all test modes, but only worst case was shown.

4.3 Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

Description	Manufacturer	Model No.	Serial No.
Notebook(EMC-06)	Lenovo	TP00048A	PB-0F8B2

> 50097227 001 Seite 12 von 37 Prüfbericht - Nr.: Page 12 of 37

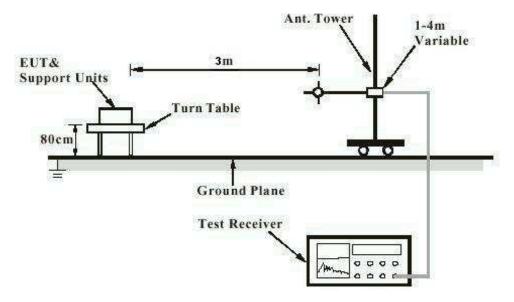
Test Report No.

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested containing the noise suppression parts as in the Photo Appendix and the Test Setup Photos. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test



Note: Measurements above 1 GHz are done with a table height of 1.5m



Test Report No.

Prüfbericht - Nr.: 50

50097227 001

Seite 13 von 37 *Page 13 of 37*

Diagram of Measurement Equipment Configuration for Mains Conduction Measurement

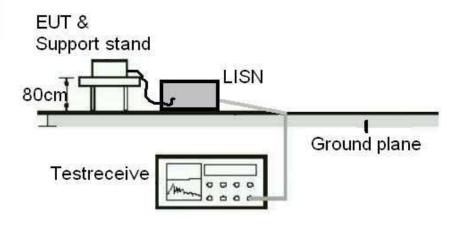
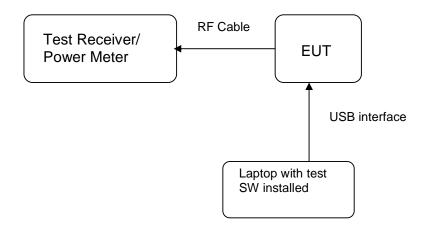


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



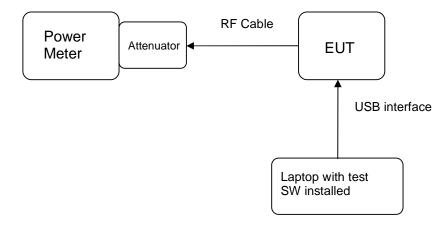


Prüfbericht - Nr.: 50097227 001

Seite 14 von 37 *Page 14 of 37*

Test Report No.

Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement (Power meter)





> 50097227 001 Seite 15 von 37 Prüfbericht - Nr.: Page 15 of 37

Test Report No.

5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: Passed

Test standard FCC Part 15.247(b)(4), Part 15.203 and RSS-

Gen 8.3

Requirement use of approved antennas only with directional gains that

do not exceed 6 dBi

According to the manufacturer declaration, the EUT has an antenna with a directional gain of 2 dBi. The antenna is a dipole antenna with no possibility of replacement with a non-approved antenna by the end-user. Therefore, the EUT is considered to comply with this provision.

Refer to EUT photo for details.



Prüfbericht - Nr.: 50097227 001 Seite 16 von 37 Page 16 of 37

Test Report No.

5.1.2 Peak Output Power

RESULT: Passed

Test standard : FCC Part 15.247(b)(2)
Basic standard : ANSI C63.10:2013
Kind of test site : Shielded room

Test setup

Test Channel : Operation Mode : Low/ Middle/ High

Ambient temperature : 22-26 °C Relative humidity : 50-65 % Atmospheric pressure : 100-103 kPa

Table 6: Test result of Peak Output Power

Channel	Channel Frequency	Peak Output Power		Limit
	(MHz)	(dBm)	(W)	(W)
Low Channel	902.3	7.72	0.00592	1
Middle Channel	908.5	7.73	0.00593	1
High Channel	914.9	7.70	0.00589	1

Max Powe: 5.93 mw



Test Report No.

Prüfbericht - Nr.: 50097227 001

Seite 17 von 37 Page 17 of 37

5.1.3 20dB Bandwidth

RESULT: Passed

Test standard : FCC Part 15.247(a)(1)
Basic standard : ANSI C63.10:2013

Test setup

Test Channel : Operation Mode : Low/ Middle/ High

Ambient temperature : Relative humidity : Atmospheric pressure : 22-26°C 50-65% 100-103kPa

Table 7: Test result of 20dB Bandwidth

Channel	Channel Frequency	20dB Bandwidth	Limit
Onamo	(MHz)	(kHz)	(kHz)
Low Channel	902.3	133.1	< 200
Mid Channel	908.5	138.5	< 200
High Channel	914.9	137.9	< 200



Prüfbericht - Nr.: 50097227 001

Test Report No.

Seite 18 von 37 *Page 18 of 37*

Test Plot of 20dB Bandwidth

Low Channel



Middle Channel





Prüfbericht - Nr.: 50097227 001 Test Report No.

Seite 19 von 37 *Page 19 of 37*

High Channel





50097227 001 Seite 20 von 37 Prüfbericht - Nr.: Page 20 of 37

Test Report No.

5.1.4 Conducted spurious emissions and Frequency Band Edge measured in 100kHz Bandwidth

RESULT: Passed

Test standard FCC part 15.247(d),

RSS-247 5.5

Basic standard ANSI C63.10:2013

Limit 20dB (below that in the 100kHz bandwidth within the

band that contains the highest level of the desired power)

Kind of test site Shielded room

Test setup

Test Channel Low/ Middle/ High

Operation Mode

Ambient temperature : Relative humidity : 22-26°C 50-65% Atmospheric pressure 100-103 kPa

All emissions are more than 30dB below fundamental, details refer to following test plot, and compliance is achived as well.

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

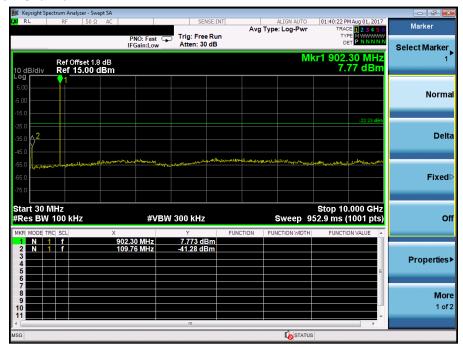
Prüfbericht - Nr.: 50097227 001

Seite 21 von 37 *Page 21 of 37*

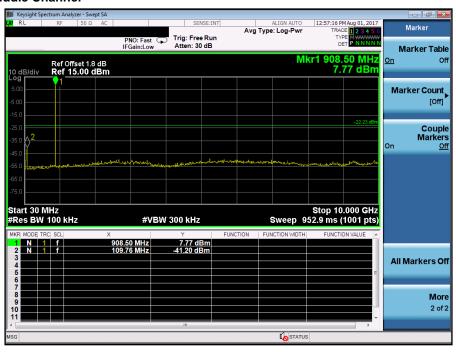
Test Report No.

Test Plot of 100kHz Conducted Emissions

Low Channel



Middle Channel

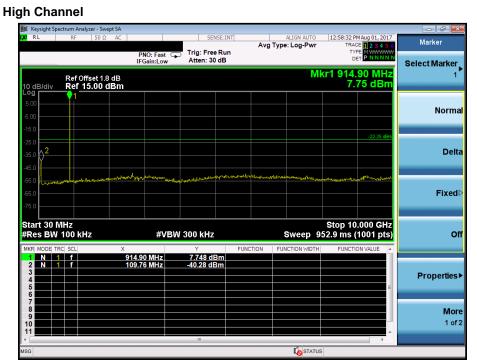




Prüfbericht - Nr.: 50097227 001

Seite 22 von 37 *Page 22 of 37*

Test Report No.



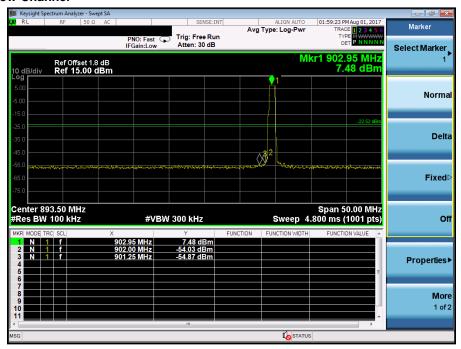
Prüfbericht - Nr.: 50097227 001

Test Report No.

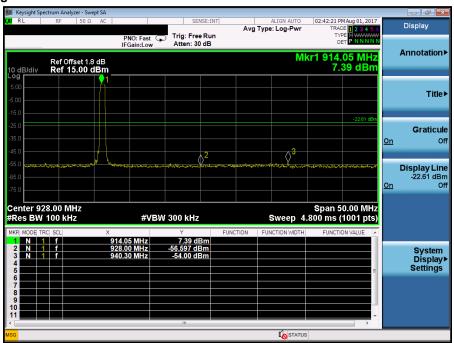
Seite 23 von 37 *Page 23 of 37*

Test Plot of 100kHz Bandwidth of Frequency Band Edge

Low Channel



High Channel





Prüfbericht - Nr.: 50097227 001 Seite 24 von 37
Page 24 of 37

Test Report No.

5.1.5 Spurious Emission

RESULT: Passed

Test standard : FCC part 15.247(d), FCC 15.205, FCC 15.209, RSS-

210 2.2, RSS-247 5.5 and RSS-Gen 8.9

LP0002(2016): 3.10.1, (5)

Basic standard : ANSI C63.10

Limits : Radiated emissions which fall in the restricted bands,

as defined in FCC 15.205(a) and RSS-Gen i4, 8.9 (Table 6), must comply with the radiated emission limits specified in FCC 15.209(a) and RSS-Gen i4.

8.9 (Table 4 and 5).

Radiated emissions which fall in the restricted bands, as defined in LP0002(2016): 2.7, must comply with

the radiated emission limits specified in

LP0002(2016): 2.8

Emission radiated outside the specified frequency bands must comply with the radiated emission limits specified in FCC 15.209(a) and FCC 15.249(a), RSS-Gen i4, 8.9 (Table 4 and 5) and RSS-210 A2.9(a). Emission radiated outside the specified frequency bands must comply with the radiated emission limits

specified in LP0002(2016): 2.8

Kind of test site : 3m Semi-Anechoic Chamber

Test setup

Test Channel : Low/ Middle/ High

Operation Mode : A, B

Remark: Testing was carried out within frequency range 30MHz to the tenth harmonic. For details refer to Appendix D. The Radiated Emissions testing was performed in the X, Y and Z axis orientation. The worst-case Axis orientation is recorded in this test report. Due to the small size of the product and that there are no inductive components of significant size, 9kHz to 30MHz frequency range is not tested based on technical judgment.



50097227 001 Seite 25 von 37 Prüfbericht - Nr.: Page 25 of 37

Test Report No.

5.1.6 Frequency Separation

RESULT: Passed

Test standard FCC part 15.247(a)(1)

RSS-247 5.1

Basic standard ANSI C63.10:2013

Limit ≥ 25kHz or 2/3 of 20dB bandwidth, whichever is greater

Test setup

Low/ Middle/ High

Test Channel :
Operation Mode :
Ambient temperature :
Relative humidity : **24**℃ 53%

Table 8: Test result of Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (kHz)	Limit (kHz)	Result
Record Channel	908.5		> 05111 00 ID	
Record Channel adj 1	908.3	200	≥ 25kHz or 20dB bandwidth	Pass
Record Channel adj 2	908.7		Danawidin	

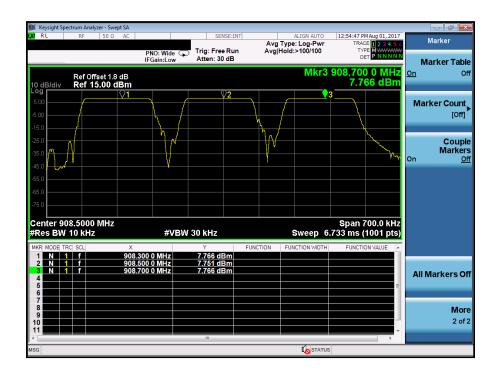


Prüfbericht - Nr.: 50097227 001

Seite 26 von 37Page 26 of 37

Test Report No.

Test Plot of Frequency Separation





Test Report No.

50097227 001 Prüfbericht - Nr.:

Seite 27 von 37 Page 27 of 37

5.1.7 Number of hopping frequency

RESULT: Passed

FCC part 15.247(a)(1)(i) Test standard

RSS-247 5.1(5)

Basic standard ANSI C63.10:2013

Test setup

Test Channel Hopping On

Ambient temperature : Relative humidity : Atmospheric pressure : 22-26°C 50-65% 100-103 kPa

Table 9: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
902.3 to 914.9 MHz	64	≥50	Pass

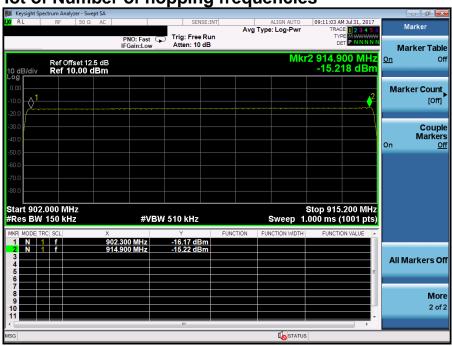


Prüfbericht - Nr.: 50097227 001

Test Report No.

Seite 28 von 37 Page 28 of 37

Test Plot of Number of hopping frequencies





Prüfbericht - Nr.: 50097227 001

Test Report No.

Seite 29 von 37 *Page 29 of 37*

5.1.8 Time of Occupancy

RESULT: Passed

Test standard : FCC part 15.247(a)(1)(i)

RSS-247 5.1(5)

Basic standard : ANSI C63.10:2013

Limits : 0.4s

Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High

Operation Mode : A

Ambient temperature : 22-26°C
Relative humidity : 50-65%
Atmospheric pressure : 100-103 kPa

Table 10: Test result of Time of Occupancy

Data Mode	Captured Burst (s)	Dwell time (s)	On+Off time (s)	Limit (s)	Result
-	0.360	0.0165	8.840	0.4	Pass

Note:

Dwell time = Pulse width x (Hopping rate / Number of channels) x Period

Period = 0.4 (seconds/ channel) x 64 (channel) = 25.6 seconds.

Hopping rate = 1 / (On+Off time) = 0.113 Hz

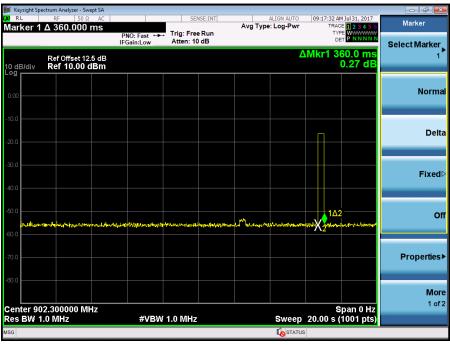


Prüfbericht - Nr.: 50097227 001

Test Report No.

Seite 30 von 37 *Page 30 of 37*

Test Plot of Time of Occupancy







> Prüfbericht - Nr.: 50097227 001 Seite 31 von 37 Page 31 of 37

Test Report No.

5.2 Mains Emissions

5.2.1 Mains Conducted Emissions

RESULT: Passed

Test standard FCC Part 15.207

FCC Part 15.107 RSS-Gen 8.8

Limits Mains Conducted emissions as defined in

above standards

Kind of test site Shielded Room

Test setup

Test Channel Middle Operation mode

Remark: For details refer to Appendix D.



Products

Prüfbericht - Nr.:	50097227 001	Seite 32 von 37
Test Report No.		Page 32 of 37

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: Passed

Test standard : FCC KDB Publication 447498

FCC:

Since maximum peak output power of the transmitter is 5.93 mW < 10mW, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 v05: Mobile Portable RF Exposure



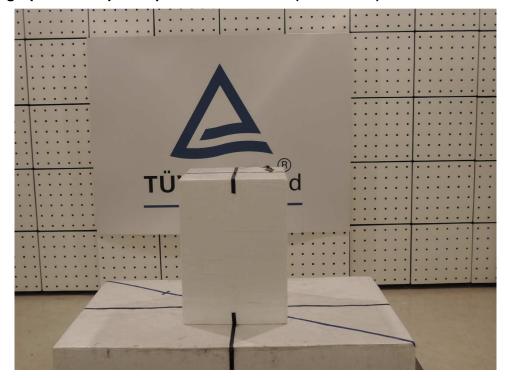
Prüfbericht - Nr.: 50097227 001

Test Report No.

Seite 33 von 37 *Page 33 of 37*

Photographs of the Test Set-Up

Photograph 1: Set-up for Spurious Emissions (Front View)

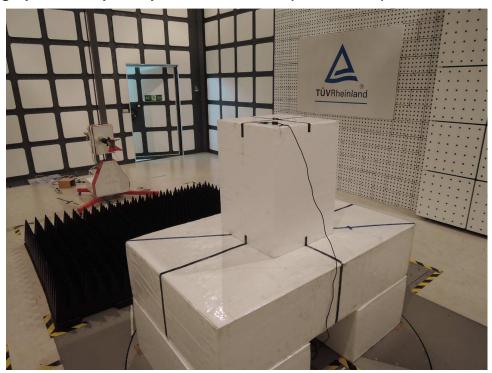




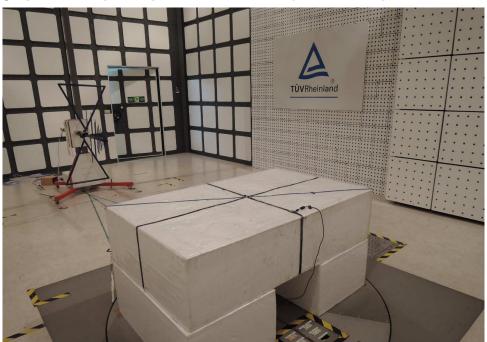
 Prüfbericht - Nr.:
 50097227 001
 Seite 34 von 37

 Test Report No.
 Page 34 of 37

Photograph 2: Set-up for Spurious Emissions (Back View 1)



Photograph 3: Set-up for Spurious Emissions (Back View 2)





Prüfbericht - Nr.: 50097227 001 Test Report No.

Seite 35 von 37 *Page 35 of 37*

Photograph 4: Set-up for Conducted testing



Photograph 5: Set-up for for Mains Conducted testing Back





Prüfbericht - Nr.: 50097227 001

Seite 36 von 37 *Page 36 of 37*

Test Report No.

Photograph 6: Set-up for for Mains Conducted testing Front





 Prüfbericht - Nr.:
 50097227 001
 Seite 37 von 37

 Test Report No.
 Page 37 of 37

7. List of Tables

Table 1: Applied Standard and Test Levels	5
Table 2: List of Test and Measurement Equipment	
Table 3: Emission Measurement Uncertainty	
Table 4: Basic Information of EUT	
Table 5: Technical Specification of EUT	9
Table 6: Test result of Peak Output Power	
Table 7: Test result of 20dB Bandwidth	
Table 8: Test result of Frequency Separation	25
Table 9: Test result of Number of hopping frequency	
Table 10: Test result of Time of Occupancy	

8. List of Photographs

Photograph 2: Set-up for Spurious Emissions (Back View 1)	.34
Hotograph 2. Oct-up for opunous Emissions (Dack view 1/	
Photograph 3: Set-up for Spurious Emissions (Back View 2)	.34
Photograph 4: Set-up for Conducted testing	
Photograph 5: Set-up for for Mains Conducted testing Back	
Photograph 6: Set-up for for Mains Conducted testing Front	