

aaTEST REPORT

Application No.: SZCR2606002413AU
Applicant: Xi an King Truck Electron Share Co., Ltd.
Address of Applicant: Building 11, Technology Enterprise Accelerator Park, High-tech Zone, Xi'an City, Shaanxi Province, China
Manufacturer: Xi an King Truck Electron Share Co., Ltd.
Address of Manufacturer: Building 11, Technology Enterprise Accelerator Park, High-tech Zone, Xi'an City, Shaanxi Province, China
Factory: Xi an King Truck Electron Share Co., Ltd.
Address of Factory: Building 11, Technology Enterprise Accelerator Park, High-tech Zone, Xi'an City, Shaanxi Province, China
Equipment Under Test (EUT):
EUT Name: TPMS-Repeater
Model No.: TY400-III
Standard(s) : MIC Item 8 of Article 2 Paragraph 1
Date of Receipt: 2026-06-01
Date of Test: 2026-06-24 to 2026-06-24
Date of Issue: 2026-07-02

Test Result:	Pass*
---------------------	--------------

* In the configuration tested, the EUT complied with the standards specified above.

Keny Xu
KenY Xu
EMC Laboratory Manager



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Competency Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 105, Building A, Xinkong Technology Industrial Park, No. 30 Fenggang Road, Kaitian Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道新田社区凤岗大道50号鑫龙科技工业园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260600241301

Page: 2 of 36

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2026-07-02		Original

Authorized for issue by:			
		Eisen Li	
		Eisen Li/Project Engineer	
		Eric Fu	
		Eric Fu/Reviewer	



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Competency Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fenggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	MIC Item 8 of Article 2 Paragraph 1	N/A	MIC Item 8 of Article 2 Paragraph 1	Pass
Interference prevention capability		N/A	MIC Item 8 of Article 2 Paragraph 1	Pass
Structure		N/A	MIC Item 8 of Article 2 Paragraph 1	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Frequency Error	MIC Item 8 of Article 2 Paragraph 1	Test method temporarily defined by TAC	MIC Item 8 of Article 2 Paragraph 1	Pass
Antenna Power (EIRP)		Test method temporarily defined by TAC	MIC Item 8 of Article 2 Paragraph 1	Pass
Occupied Bandwidth		Test method temporarily defined by TAC	MIC Item 8 of Article 2 Paragraph 1	Pass
Spurious Emission Intensity		Test method temporarily defined by TAC	MIC Item 8 of Article 2 Paragraph 1	Pass
Secondary Radiated Emissions		Test method temporarily defined by TAC	MIC Item 8 of Article 2 Paragraph 1	Pass
Transmission time restriction		Test method temporarily defined by TAC	MIC Item 8 of Article 2 Paragraph 1	Pass



3 Contents

	Page
1 Cover Page	1
2 Test Summary	3
3 Contents	4
4 General Information	6
4.1 Details of E.U.T.	6
4.2 Test Conditions	6
4.3 Description of Support Units	7
4.4 Test Location	7
4.5 Test Facility	7
4.6 Deviation from Standards	8
4.7 Abnormalities from Standard Conditions	8
5 Equipment List	9
6 Radio Spectrum Technical Requirement	10
6.1 Antenna Requirement	10
6.1.1 Test Requirement:	10
6.1.2 Conclusion	10
6.2 Interference prevention capability	11
6.2.1 Test Requirement:	11
6.2.2 Test Setup Diagram	11
6.2.3 Conclusion	11
6.3 Structure	12
6.3.1 Test Requirement:	12
6.3.2 Conclusion	12
7 Radio Spectrum Matter Test Results	13
7.1 Frequency Error	13
7.1.1 E.U.T. Operation	13
7.1.2 Test Mode Description	13
7.1.3 Test Setup Diagram	13
7.1.4 Measurement Procedure and Data	14
7.2 Antenna Power (EIRP)	16
7.2.1 E.U.T. Operation	16
7.2.2 Test Mode Description	16
7.2.3 Test Setup Diagram	16
7.2.4 Measurement Procedure and Data	17
7.3 Occupied Bandwidth	19
7.3.1 E.U.T. Operation	19
7.3.2 Test Mode Description	19
7.3.3 Test Setup Diagram	19
7.3.4 Measurement Procedure and Data	20



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260600241301

Page: 5 of 36

7.4	Spurious Emission Intensity	22
7.4.1	E.U.T. Operation	22
7.4.2	Test Mode Description	22
7.4.3	Test Setup Diagram	22
7.4.4	Measurement Procedure and Data	23
7.5	Secondary Radiated Emissions	26
7.5.1	E.U.T. Operation	26
7.5.2	Test Mode Description	26
7.5.3	Test Setup Diagram	26
7.5.4	Measurement Procedure and Data	27
7.6	Transmission time restriction	29
7.6.1	E.U.T. Operation	29
7.6.2	Test Mode Description	29
7.6.3	Test Setup Diagram	29
7.6.4	Measurement Procedure and Data	29
8	Test Setup Photo	31
9	EUT Constructional Details (EUT Photos)	32



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Competency Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fenggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

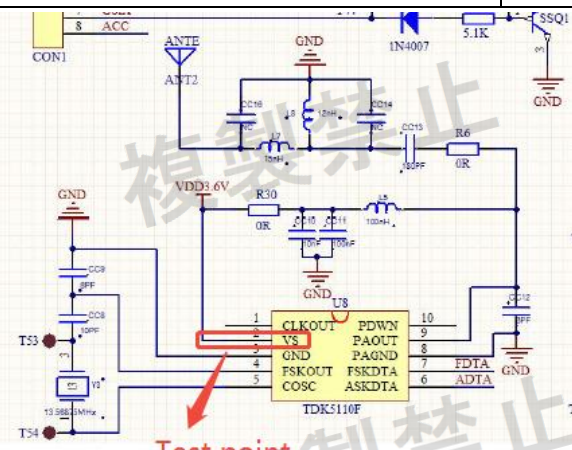
4 General Information

4.1 Details of E.U.T.

Power supply:	DC 24V
Cable Loss (for RF conducted test):	0.5dB
Operation Frequency Band(s):	433.795MHz to 434.045MHz
Operation Frequency(ies):	433.92MHz declared by manufacture
Number of Channels:	1
Antenna Type:	PCB antenna
Modulation Type:	FSK
Antenna Gain:	-10.24dBi

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Test Conditions

Power Supply	DC 24V								
	The RF unit is supplied DC 3.6V. The fluctuation of input voltage to the circuit of RF unit of test equipment is under $\pm 1\%$, when input voltage from DC24V to the test equipment is fluctuated by $\pm 10\%$, So, all measurement has been conducted by only rated voltage.								
	The measurement result of the voltage fluctuation at RF circuit when DC 24V $\pm 10\%$.								
	<table> <tr> <th>DC Input</th><th>Test Value</th></tr> <tr> <td>26.4V</td><td>3.6V</td></tr> <tr> <td>24V</td><td>3.6V</td></tr> <tr> <td>21.6V</td><td>3.6V</td></tr> </table>	DC Input	Test Value	26.4V	3.6V	24V	3.6V	21.6V	3.6V
DC Input	Test Value								
26.4V	3.6V								
24V	3.6V								
21.6V	3.6V								
									
Temperature:	0 -45.0 °C								
Humidity:	45-85 % RH								

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260600241301

Page: 7 of 36

Atmospheric Pressure:	1000 -1010 mbar
	Note: VN: Normal Voltage TN: Normal Temperature TL: Low Extreme Test Temperature TH: High Extreme Test Temperature
Test Frequencies:	If the EUT can be set to 3 or more different (carrier) frequencies in 1 allocated band, testing shall be performed using the Lowest, Middle and the Highest frequency (L, M and H). If there are 2 or fewer frequencies, testing shall be performed with the available frequencies.

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--
The EUT has been tested as an independent unit.			

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Calibration Laboratory

Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fenggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260600241301

Page: 8 of 36

• **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 3816.01.

• **VCCI (Member No. 1937)**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• **FCC –Designation Number: CN1336**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• **Innovation, Science and Economic Development Canada**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch EMC Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fenggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

5 Equipment List

Equipment list								
Equipment	Manufacturer	Model No	Serial No	Inventory No	Cal Date	Cal Due Date	Calibration body	Classification
DC Power Supply	Chroma	62012P-80-60	62012PD 01784	SEM011-11	2025-07-24	2026-07-23	GRGTES T	(c)
MXA Signal Analyzer(10 Hz-26.5GHz)	KEYSIG HT	N9020A	MY53300 619	SEM004-21	2026-02-03	2027-02-02	CEPREI	(c)
Signal Generator (9kHz-40GHz)	KEYSIG HT	N5173B	MY53270 267	SEM006-05	2025-09-10	2026-09-09	CEPREI	(c)
Multimeter	FLUKE	Fluke 87	27900002	SEM022-07	2026-02-03	2027-02-02	SGS	(c)
Universal Radio Communication Tester	Rohde & Schwarz	CMW 500	152272	SEM010-03	2026-02-03	2027-02-02	CEPREI	(c)
Humidity/Temperature Indicator	Deli	8838	N/A	SEM002-44	2025-07-23	2026-07-22	SGS	(c)
Barometer	Changchun Meteorological Industry Factory	DYM3	0026	SEM002-01	2026-02-14	2027-02-13	CEPREI	(c)
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A	N/A	N/A	N/A

Remark:

- (a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1) in JRL.
- (b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act No. 51 of 1992).
- (c) Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- (d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (a) to (c).
- From JRL Article 24-2, paragraph 4, Item 2



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fanggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技工业园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

MIC Item 8 of Article 2 Paragraph 1

6.1.2 Conclusion

Standard requirement:

Applicable for equipment with an antenna terminal, including testing terminals. If an antenna connector is available, all relevant tests will be carried out conducted. If not, tests will be carried out in an anechoic room or with a suitable test-fixture.

EUT Details:

The antenna is integrated on the enclosure and no consideration of replacement. The best case gain of the antenna is: -10.24dBi.



Result:

An antenna connector is available, all relevant tests will be carried out conducted. In the conducted test, the RF cable was soldered and separated from the antenna.

6.2 Interference prevention capability

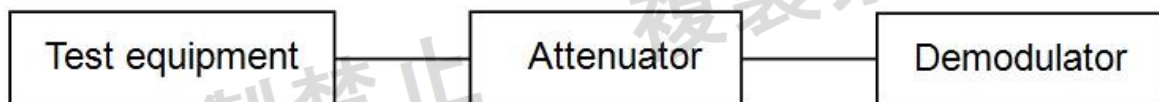
6.2.1 Test Requirement:

MIC Item 8 of Article 2 Paragraph 1

Limit:

The function specified in Article 9-4 of the Ordinance Regulating Radio Equipment.

6.2.2 Test Setup Diagram



6.2.3 Conclusion

Standard Requirement:

- 1) Measurement system diagram as shown above and test equipment keep transmitting identification code.
- 2) Condition of measuring instrument
 - (1) Demodulator must be able to demodulate the transmitting signal emitted by test equipment and to indicate the identification code.
- 3) Condition of test equipment the mode of normal use.
- 4) Measuring operation procedure
 - (1) When test equipment has the function to transmit identification code automatically:
 - A) Transmit the predetermined identification code from test equipment.
 - B) Confirm the transmitted identification code by demodulator.

EUT Details:

The unit does meet the requirements (Good).



6.3 Structure

6.3.1 Test Requirement:

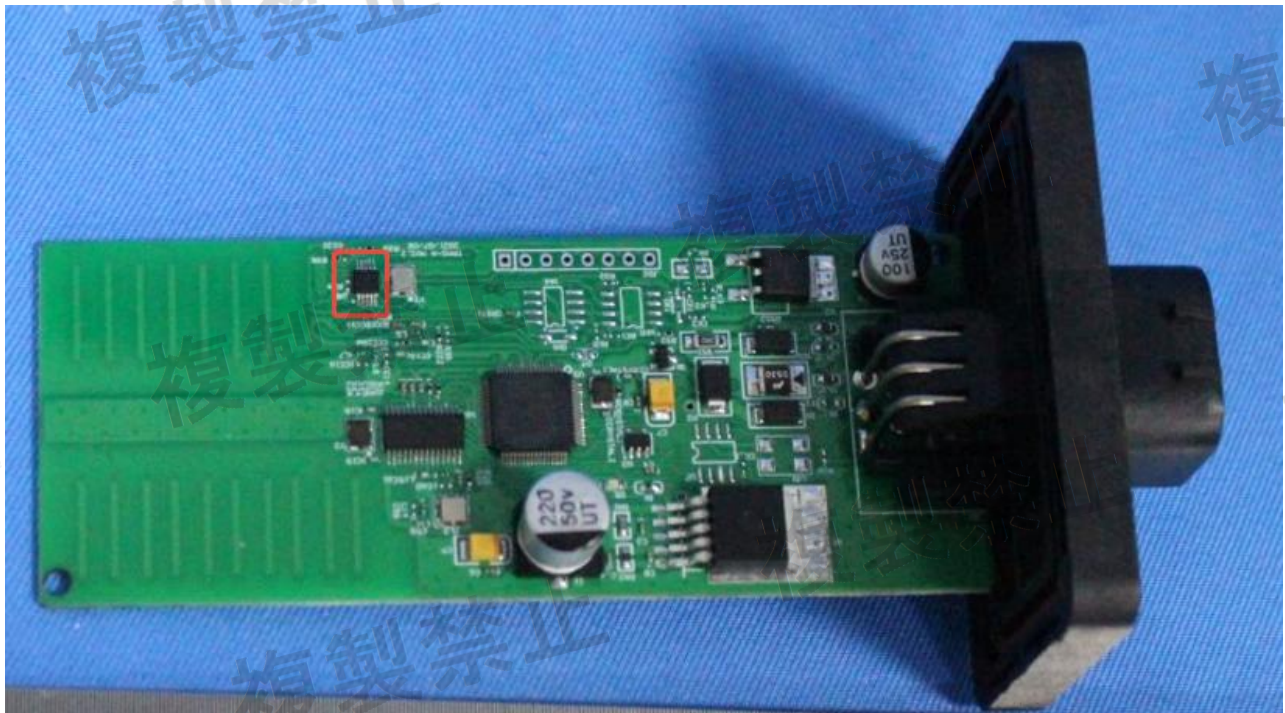
MIC Item 8 of Article 2 Paragraph 1

6.3.2 Conclusion

Standard Requirement:

The EUT shall be constructed in such a way that sensitive RF parts, (like modulation and oscillator parts) cannot be reached easily by the user. These parts shall be covered by soldered metal caps or glue or by other mechanical covers. If the covers are fixed with screws, these shall be not the common type(s) like a Phillips, but special versions like Torx, so that the user cannot open the device with common tools.

EUT Details:



RF and Modulation parts are mounted on PCB with surface mount technology, and there is no any adjustable parts on PCB or adjustable parts are not exposed.

7 Radio Spectrum Matter Test Results

7.1 Frequency Error

Test Requirement MIC Item 8 of Article 2 Paragraph 1
Test Method: Test method temporarily defined by TAC
Test Engineer: Mingli Hu

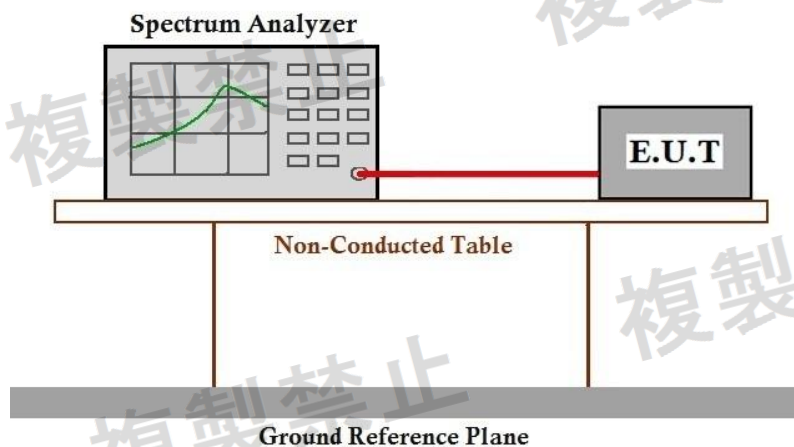
7.1.1 E.U.T. Operation

Operating Environment:
Temperature: 27.7 °C Humidity: 52.4 % RH Atmospheric Pressure: 1015 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_Keep the EUT in transmitting mode

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

(1) Set the spectrum analyzer as below:

Center frequency: Test frequency

Span: 2 to 3.5 times allowable Occupied Bandwidth (OBW) (example 3 MHz)

RBW: Approximately less than 3% of allowable OBW (example 30 kHz)

VBW: Same as RBW

Y axis scale: 10dB/div

Input level: Carrier level should be sufficiently greater than residual noise level

Sweep time: Minimum time required to make an accurate measurement

For burst (intermittent) carrier measurement, one burst carrier signal should be included per sample interval.

Sweep mode: Continuous (observe until trace waveform is stable)

Detector mode: Positive peak

Indication mode: Max hold

(2) Repeat sweep until trace waveform is stable.

Execute spectrum analyzer OBW measurement function.



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260600241301

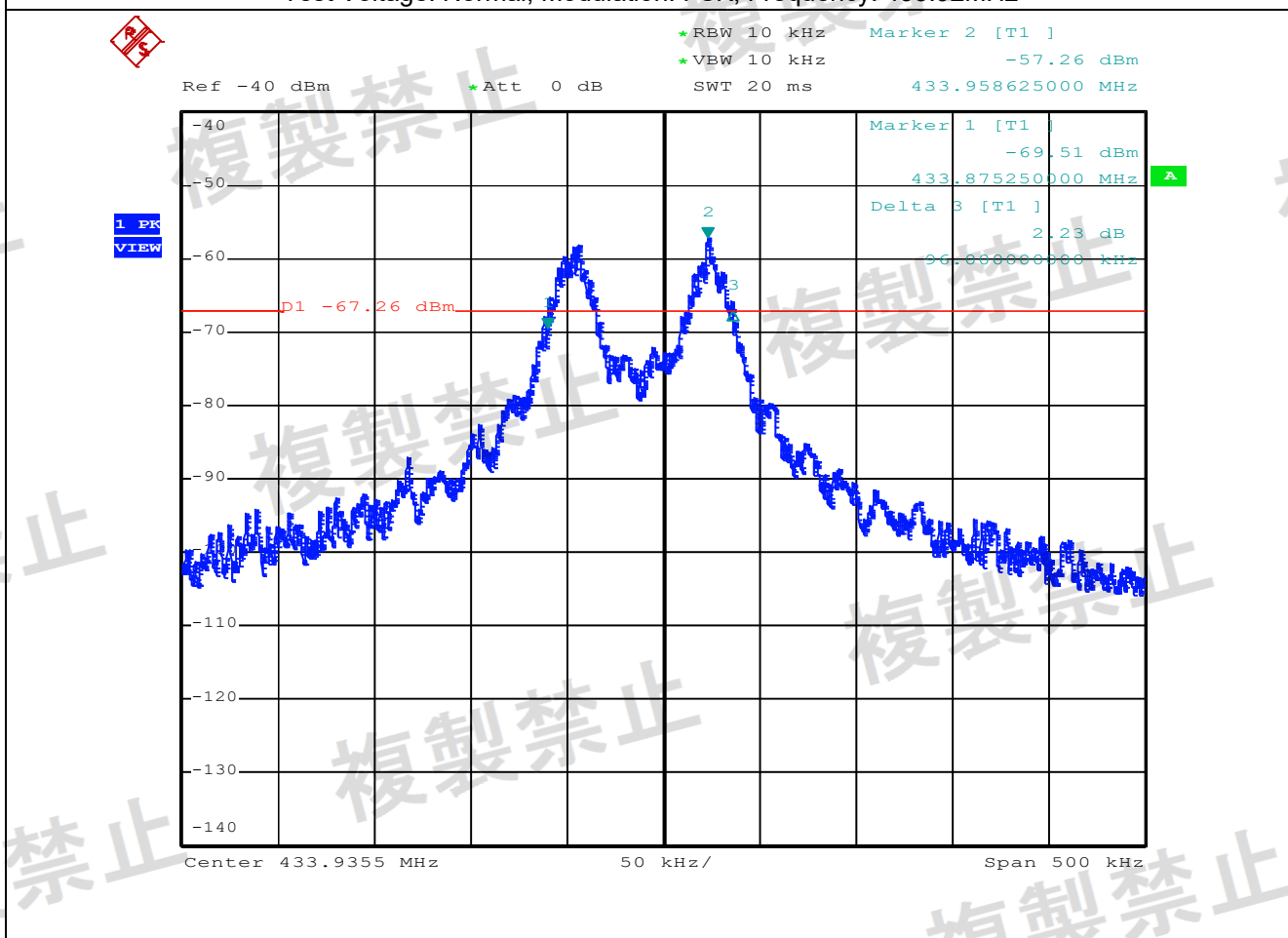
Page: 15 of 36

Test Mode: freq; Modulation:O-QPSK

Test Result:

Test Voltage	Frequency (MHz)	Test Result		Limit	Verdict
		Lower frequency (MHz)	Upper frequency (MHz)		
Normal	433.92	433.87525	433.97125	within the frequency range specified in the technical standards (433.795 to 434.045 MHz)	Pass

Test Voltage: Normal; Modulation: FSK; Frequency: 433.92MHz



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fenggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技工业园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

7.2 Antenna Power (EIRP)

Test Requirement MIC Item 8 of Article 2 Paragraph 1
Test Method: Test method temporarily defined by TAC
Test Engineer: Mingli Hu

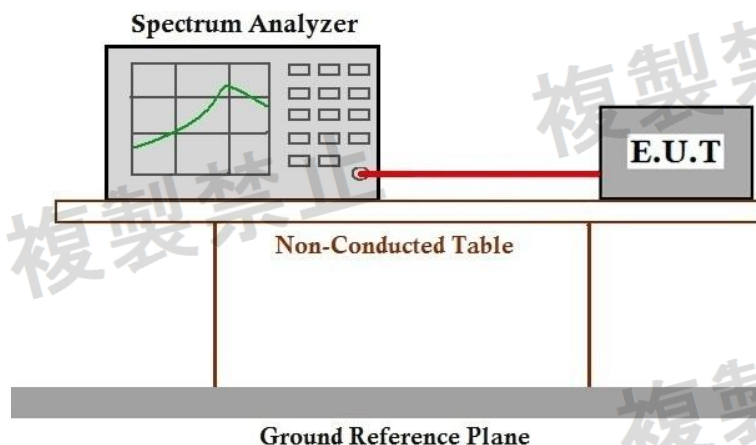
7.2.1 E.U.T. Operation

Operating Environment:
Temperature: 27.8 °C Humidity: 50.2 % RH Atmospheric Pressure: 1015 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_Keep the EUT in transmitting mode

7.2.3 Test Setup Diagram



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fenggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技工业园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

7.2.4 Measurement Procedure and Data

- (1) Set the power meter to zero offset.
- (2) Transmit, then measure average power or peak power.
- (3) When measuring average power, the displayed value of the average power meter is taken as the measured value.

However, when measuring burst transmission power with an average power meter, transmit with a constant duty time ratio and measure the long term averaging power.

- (4) The measured average power is defined as:

a. Continuous wave: the value obtained in (3)

b. Burst wave:

Average power in burst = value obtained in (3) / Transmit Time Ratio

where: Transmit Time Ratio = Burst Transmit Time / Burst Repetition Interval Time

- (5) For average power measurements, when the burst transmission interval time is long, set the center frequency of the spectrum analyzer to 1.4.2 (6) then measure the average power in the burst.

If the measured value varies for each burst, measure several times then select the maximum value as the measured value.

- (6) When measuring peak power, the peak power meter reading shall be the measured value. When measuring peak power with a spectrum analyzer, set the center frequency of the spectrum analyzer to 1.4.2 (5), then measure the peak power in the burst.

- (7) Using the measured average power or the peak power value, calculate the Equivalent Isotropic Radiated Power (EIRP) P_o using the formula below, P_o then becomes the measured value.

$$P_o = P_p + G_t \text{ (dBm)}$$

Where P_p : Measured average power or peak power (dBm)

G_t : Antenna gain at transmission frequency (dBi)

G_t is taken from the applicant's antenna gain declaration.



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

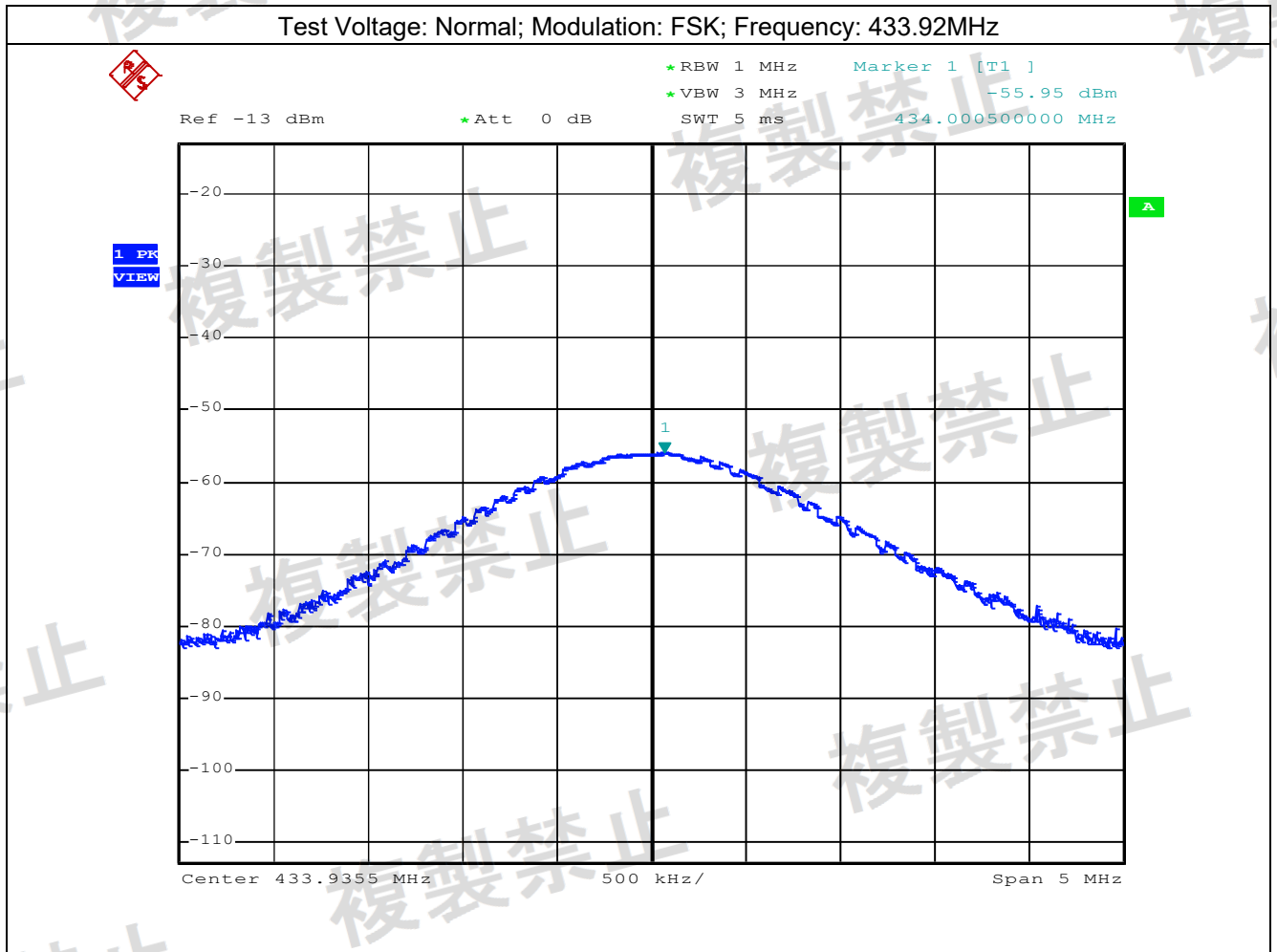
SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260600241301

Page: 18 of 36

Test Result:

Test Voltage	Frequency (MHz)	Conducted power(dBm)	Antenna gain(dBi)	EIRP (dBm)	EIRP		Nominal Power	Tolerance (%)		Verdict
					Measured	Limit		Measured	Limit	
Normal	433.92	-55.95	-10.24	-66.19	0.24nW	1mW	0.25nW	-4	20	Pass



SGS-CSTC Standards Technical Services Co., Ltd.
 Shenzhen Branch Competency Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fenggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

7.3 Occupied Bandwidth

Test Requirement MIC Item 8 of Article 2 Paragraph 1
Test Method: Test method temporarily defined by TAC
Test Engineer: Mingli Hu

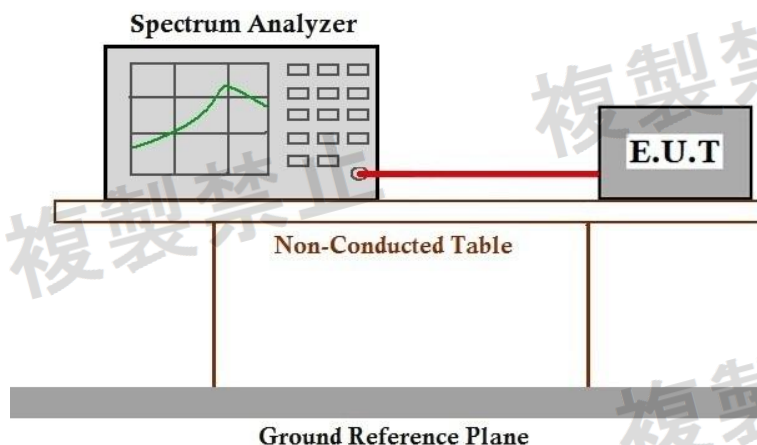
7.3.1 E.U.T. Operation

Operating Environment:
Temperature: 27.8 °C Humidity: 51.5 % RH Atmospheric Pressure: 1015 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_Keep the EUT in transmitting mode

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

(1) Set the spectrum analyzer according to below:

Center frequency: Test frequency

Span: 2 to 3.5 times allowable Occupied Bandwidth (OBW) (example 3 MHz)

RBW: Approximately less than 3% of allowable OBW (example 30 kHz)

VBW: Same as RBW

Y axis scale: 10dB/div

Input level: Carrier level should be sufficiently greater than residual noise level

Sweep time: Minimum time required to make an accurate measurement

For burst (intermittent) carrier measurement, one burst carrier signal should be included per sample interval.1 (see Note 1)

Sweep mode: Continuous (observe until trace waveform is stable)

Detector mode: Positive peak

Indication mode: Max hold

(2) Repeat sweep until trace waveform is stable.

Execute spectrum analyzer OBW measurement function.



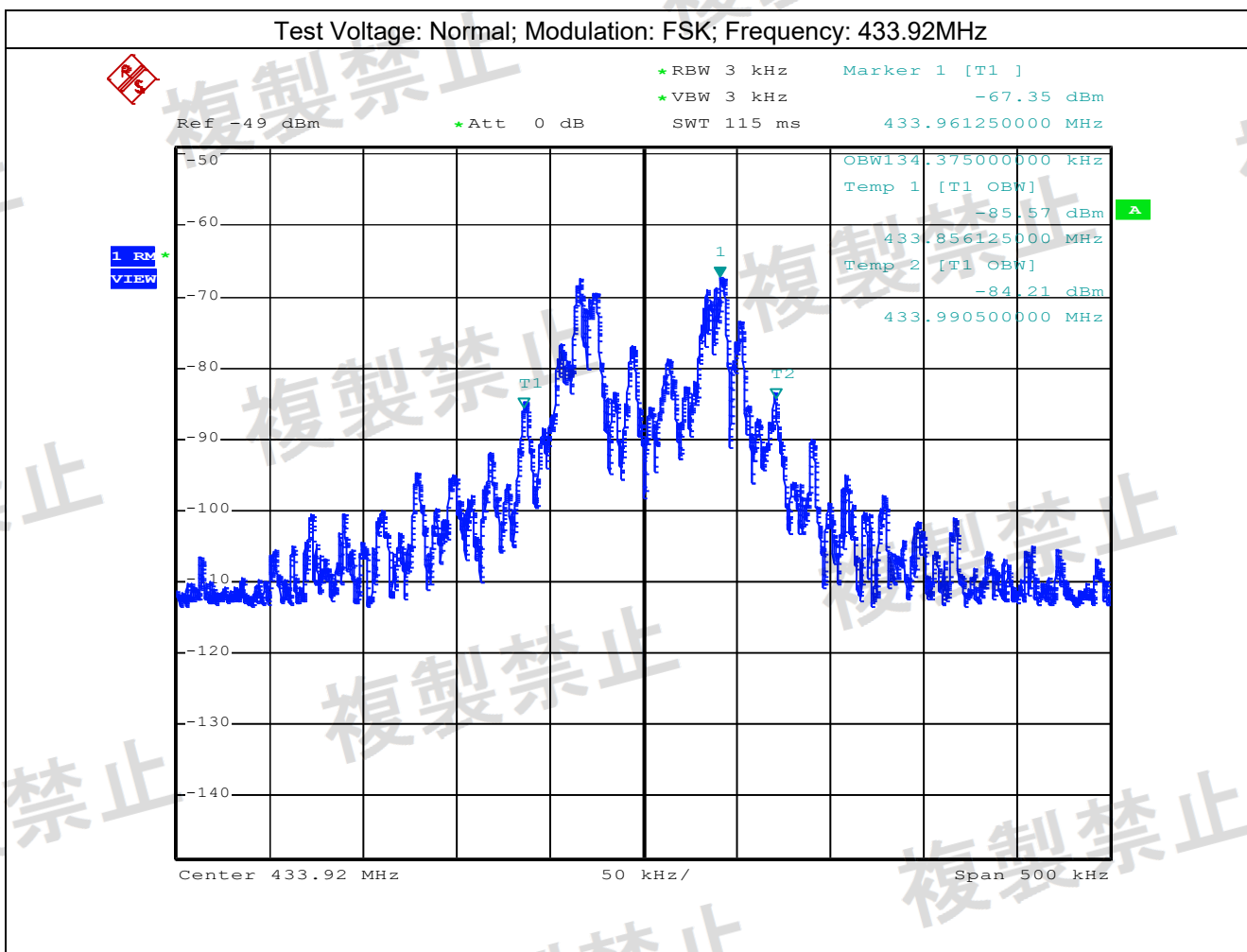
OBW

Test Result:

Test Voltage	Modulation	Centre Frequency (MHz)	99% Occupied Bandwidth (kHz)	Limit (kHz)	Verdict
Normal	FSK	433.92	134.375	250	Pass

Note 1: 99% Occupied Bandwidth result is Upper Frequency- Lower Frequency
(433.9905MHz-433.856125MHz=0.134375MHz)

Note 2: Centre Frequency is (Upper Frequency + Lower Frequency)/2,
(433.856125MHz+433.990500MHz)/2=433.9233125MHz)



7.4 Spurious Emission Intensity

Test Requirement MIC Item 8 of Article 2 Paragraph 1
Test Method: Test method temporarily defined by TAC
Test Engineer: Mingli Hu

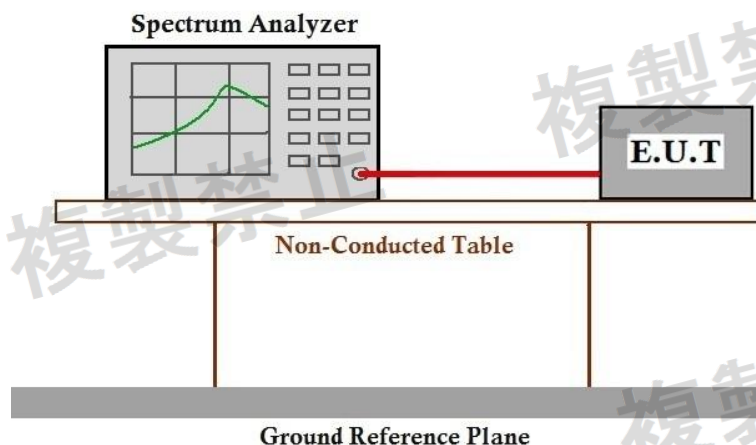
7.4.1 E.U.T. Operation

Operating Environment:
Temperature: 27.8 °C Humidity: 50.2 % RH Atmospheric Pressure: 1015 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_Keep the EUT in transmitting mode

7.4.3 Test Setup Diagram



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260600241301

Page: 23 of 36

7.4.4 Measurement Procedure and Data

(1) After configuring the spectrum analyzer to 1.3.2 (1) [Setting 1], search for spurious emissions.

Calculate the detected spurious emission level, P_o (EIRP), using the following formula:

$$P_o = P_p + G_t \text{ (dBm)}$$

Where P_p : Measured spurious emission level from spectrum analyzer (dBm)

G_t : Antenna gain at spurious emission frequency (dBi)

G_t is from the applicant's documented value.

If the spurious emission level satisfies the requirement (1.3.2 (1) Note 3 case: technical standard - 3dB), then the

1.3.2 (2) [Setting 2] measurement is not necessary.

(2) If the detected spurious emission level is over the technical standard, accurately measure the spurious emission

frequency by selecting a narrower sweep frequency, such as 100 MHz, 10 MHz or 1 MHz.

Set the spectrum analyzer according to 1.3.2 (2) [Setting 2], measure the average spurious emission level (for burst carrier: average power in burst).

Using this measured value, calculate the spurious emission level P_o (EIRP).

(3) Set the spectrum analyzer according to 1.3.2 (3) [Setting 3], search for spurious emissions near the carrier.

(4) Calculate the detected spurious emission value using following the formula below:

$$\text{Calculated Value} = (\text{Measured Value} + 15.2 \text{ dB})$$

Using the calculate value as P_p , calculate P_o from the formula in 1.3.4 (1). If P_o satisfies the technical standard,

record the P_o measurement.

Note 6: The 15.2 dB adjustment is derived from the Conversion Factor of RBW

$$\text{Conversion Factor of RBW} = 10 \times \log (\text{Reference Bandwidth} / \text{RBW of measurement}) = 15.2 \text{ [dB]}$$

Where: Reference Bandwidth = 100 kHz

RBW of measurement = 3 kHz

Note 7: The Reference Bandwidth of 100 kHz is defined by the technical standard.

(5) If the calculated value is over the technical standard, go to steps (6)-(10) for a detailed measurement.

(6) Set the spectrum analyzer according to 1.3.2 (4) [Setting 4]

Set the spectrum analyzer center frequency to the spurious emission frequency that exceeded the technical

standard (see Note 5).

(7) After the sweep, send the span data set to the computer.

(8) Convert measurements from dBm to Watts.

(9) Sum all the data, the calculated sum is defined as P_s (see Note 8).

(10) Calculate attenuation value of each spurious emission frequency.

The attenuation value is obtained by dividing P_s by the carrier wave amplitude value obtained in (11).

Calculate spurious emission value from: (Antenna Power (Note 9) x attenuation value).

Note 9: Measured result of [1.4 Antenna Power].



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260600241301

Page: 24 of 36

(11) The carrier wave amplitude is derived as follows:

Using spectrum analyzer settings 1.3.2 (4) [Setting 4], adjust the center frequency to maximize the amplitude, set the sweep frequency range to two or three times the OBW.

Repeat steps (7) to (9), sum all measurements to derive the carrier wave amplitude.

Note 8: Sum all measurements using the following formula:

$$Ps = \text{Total}(Ei) * (Sw / RBW * k * n)$$

Ps: Sum (Watts)

Ei: Measured value at each point in the span (Watts)

Sw: Sweep frequency range (MHz)

n: Number of measurement points in the span

k: Correction factor for Equivalent Noise Bandwidth, specific to each spectrum analyzer, check the instrument user guide

RBW: Resolution Bandwidth (MHz).



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Competency Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fenggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260600241301

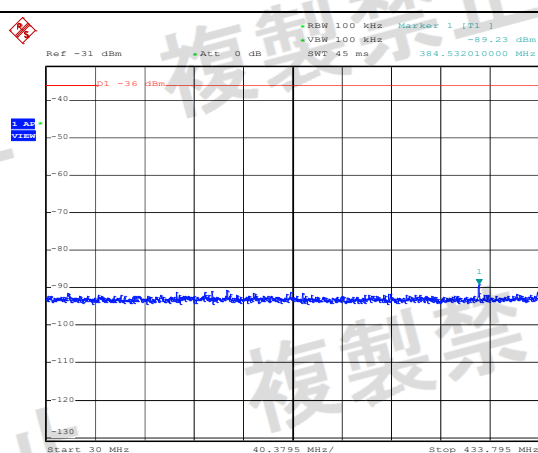
Page: 25 of 36

Test Result:

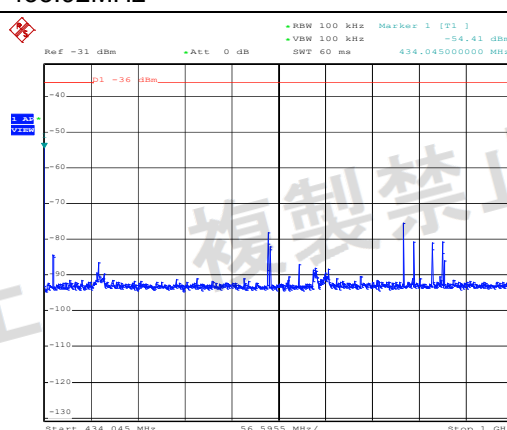
Test Voltage	Modulation	Frequency (MHz)	Frequency Range (MHz)	Test Result				Limit	Verdict
				Frequency (MHz)	Detector	EIRP			
Normal	FSK	433.92	30-433.795	384.532	Peak	-89.23 dBm/100KHz	0.0012 nW/100kHz	250nW/100kHz	Pass
			434.045-1000	434.045	Peak	-54.41 dBm/100KHz	3.6nW/100kHz	250nW/100kHz	Pass
			1000-3000	2841.50	Peak	-77.87 dBm/MHz	0.0000163 uW/MHz	1uW/MHz	Pass

Modulation: FSK

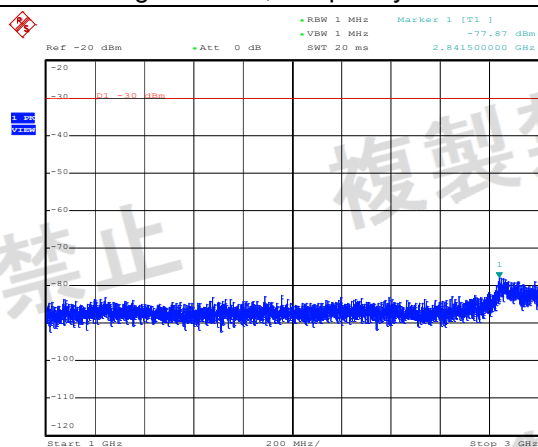
Test Voltage: Normal; Frequency: 433.92MHz



Test Voltage: Normal; Frequency: 433.92MHz



Test Voltage: Normal; Frequency: 433.92MHz



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fenggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

7.5 Secondary Radiated Emissions

Test Requirement MIC Item 8 of Article 2 Paragraph 1
Test Method: Test method temporarily defined by TAC
Test Engineer: Mingli Hu

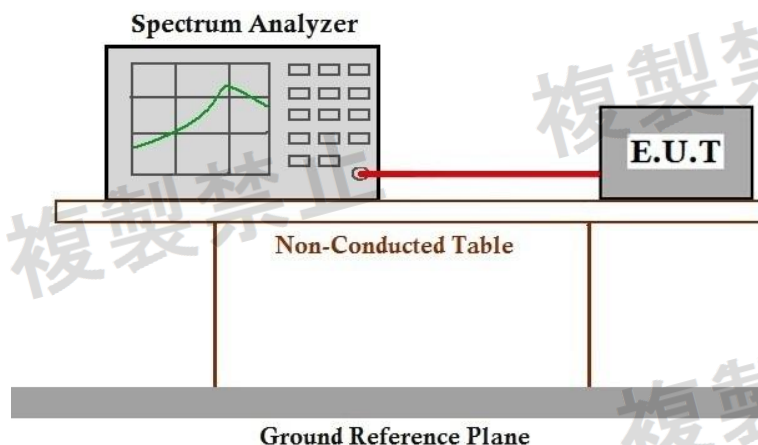
7.5.1 E.U.T. Operation

Operating Environment:
Temperature: 27.8 °C Humidity: 50.3 % RH Atmospheric Pressure: 1015 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	RX_Keep the EUT in receiving mode

7.5.3 Test Setup Diagram



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fenggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技工业园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

7.5.4 Measurement Procedure and Data

(1) After configuring the spectrum analyzer to 1.5.2 (2) [Setting 1], search for secondary radiated emissions.

Calculate secondary radiated emissions level P_o (EIRP) using following the formula below:

$$P_o = P_p + G_r \text{ (dBm)}$$

Where P_p : Measured secondary radiated emissions value from spectrum analyzer (dBm)

G_r : Antenna gain at secondary radiated emissions frequency (dBi)

G_r is taken from the applicant's declared value.

If P_o (EIRP) satisfies the technical standard, measurement 1.5.2 (3) [Setting 2] is not required.

(2) If P_o (EIRP) exceeds the technical standard, then accurately measure the spurious emission frequency by narrowing the sweep frequency, such as: 100 MHz, 10 MHz and 1 MHz.

Set the spectrum analyzer according to 1.5.2 (3) [Setting 2], measure average amplitude of secondary radiated emissions (for burst transmission signals, measure the average amplitude in the burst).



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

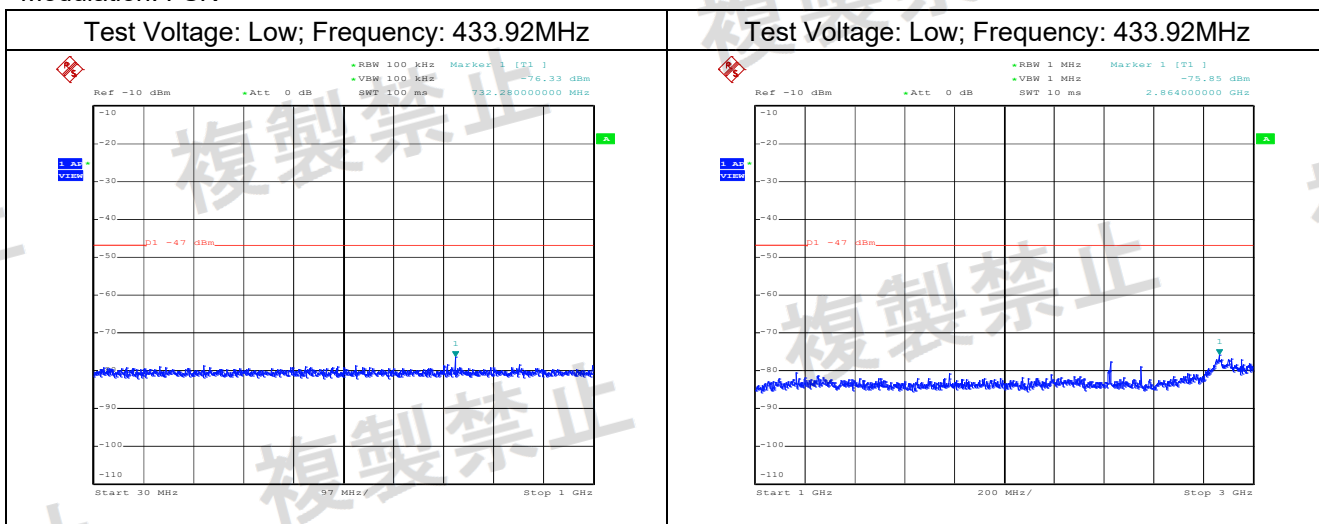
Report No.: SZCR260600241301

Page: 28 of 36

Test Mode: secondary; Modulation:802.11a; Down; Channel:144

Test Voltage	Modulation	Frequency (MHz)	Frequency Range (MHz)	Test Result			Limit	Verdict
				Frequency (MHz)	Detector	EIRP		
Normal	FSK	433.92	30-1000	732.28	Peak	-76.33 dBm/100kHz 0.0233 nW/100kHz	4nW/100kHz	Pass
			1000-3000	2864.00	Peak	-75.85 dBm/MHz 0.0260 nW/MHz	4nW/MHz	Pass

Modulation: FSK



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Competency Laboratory

Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fenggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技工业园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

7.6 Transmission time restriction

Test Requirement MIC Item 8 of Article 2 Paragraph 1
Test Method: Test method temporarily defined by TAC
Test Engineer: Mingli Hu

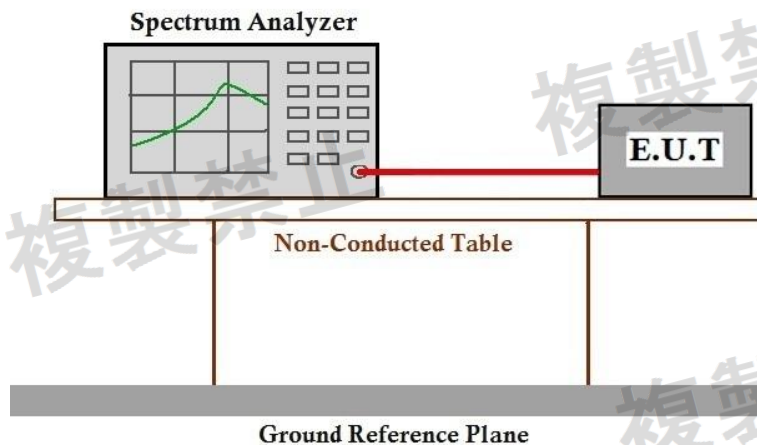
7.6.1 E.U.T. Operation

Operating Environment:
Temperature: 27.8 °C Humidity: 51.9 % RH Atmospheric Pressure: 1015 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_Keep the EUT in transmitting mode

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

For equipment that transmits periodically:

- For equipment that transmits a carrier after an activation signal is received from the external test equipment, confirm EUT transmits a carrier after receiving an activation signal using a spectrum analyzer.
- In the test equipment that transmits a carrier without activation signal from external test equipment, confirm EUT transmits a carrier using a spectrum analyzer.
- Measure maximum transmission time and minimum quiescent time.

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260600241301

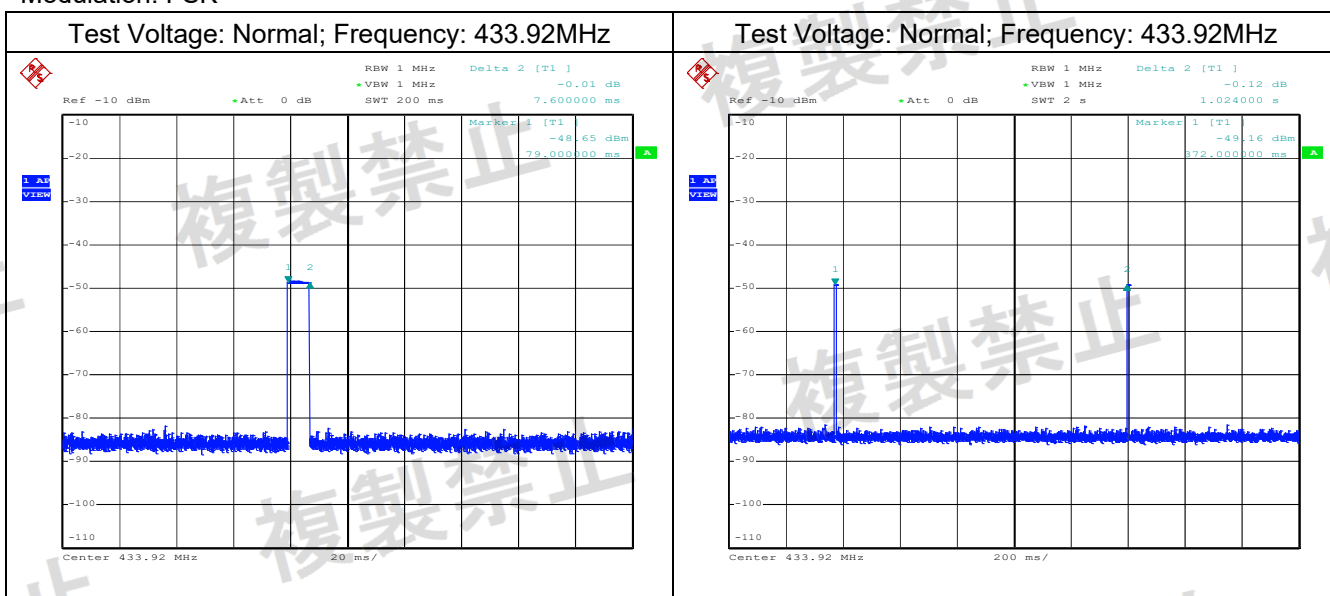
Page: 30 of 36

Test Mode: transmission

Measurement data:

Test Voltage	Modulation	Frequency (MHz)	ON Time (s)	OFF Time (s)		Total Time (s)		Verdict
			Measured	Measured	Limit	Measured	Limit	
Normal	FSK	433.92	0.0076	1.024	≥ 1	26.5219	< 360/h	Pass

Modulation: FSK



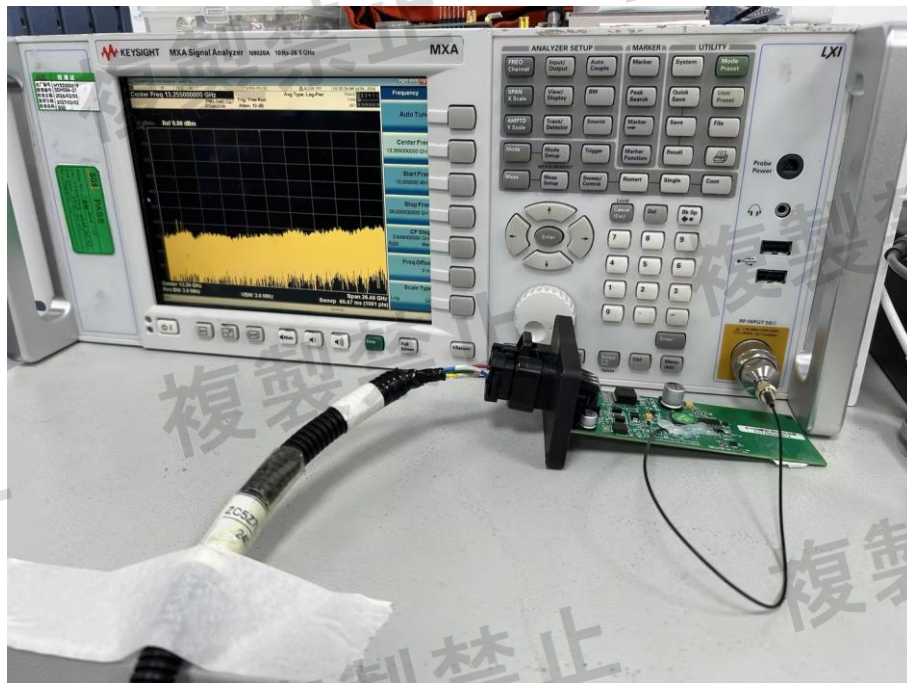
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

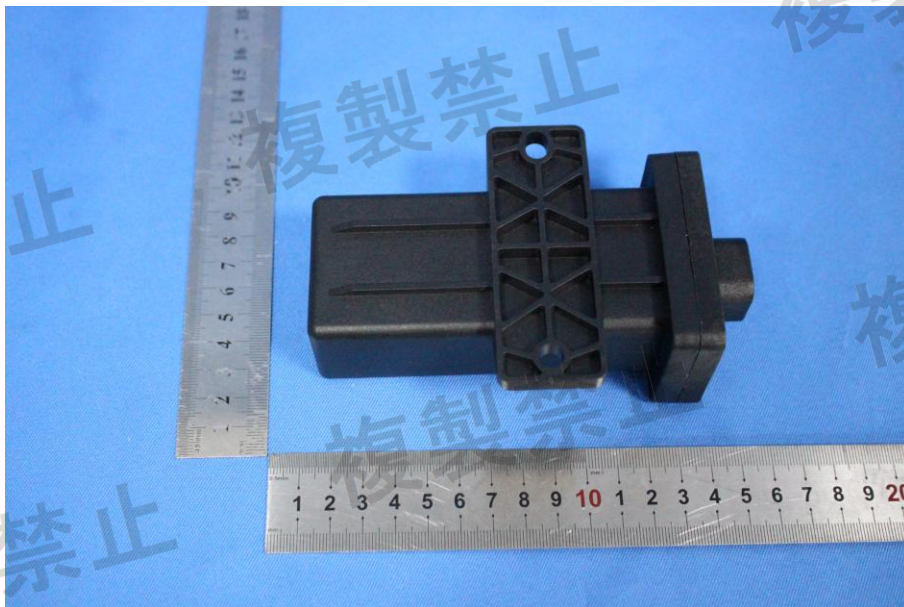
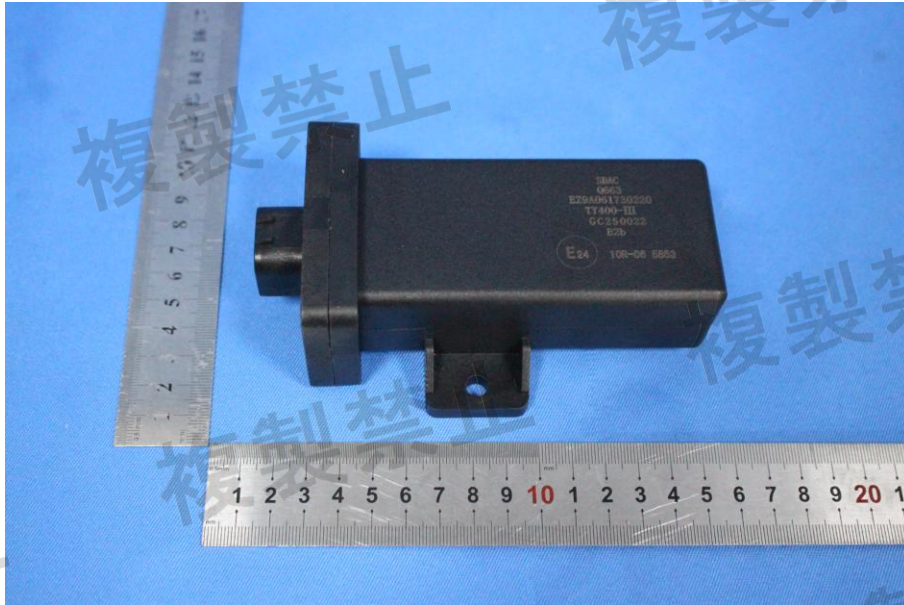
Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fenggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技工业园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

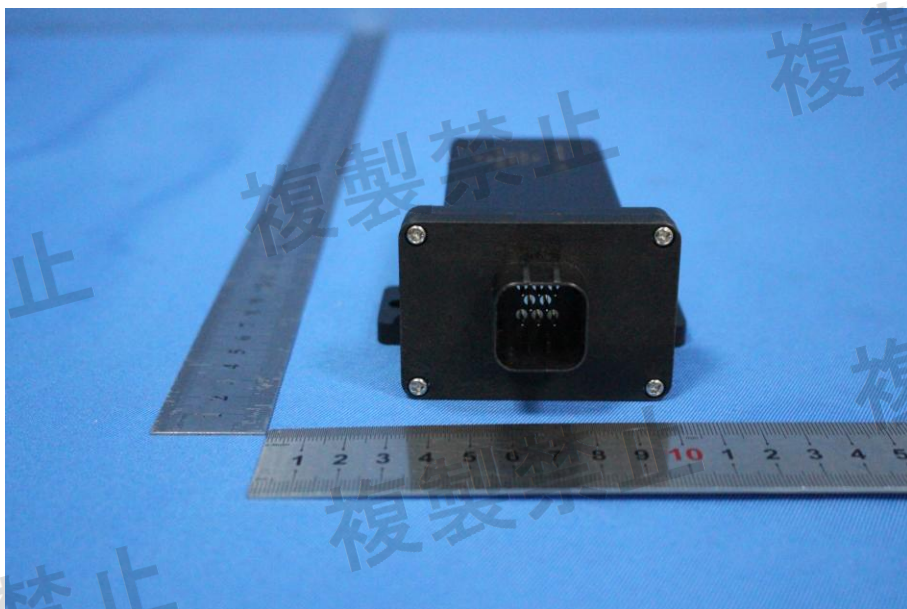
Member of the SGS Group (SGS SA)

8 Test Setup Photo

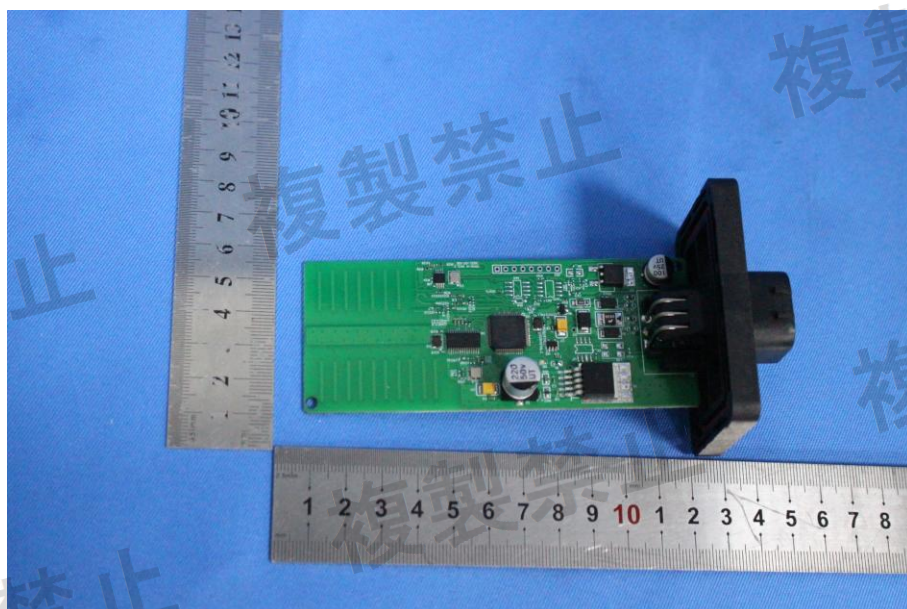
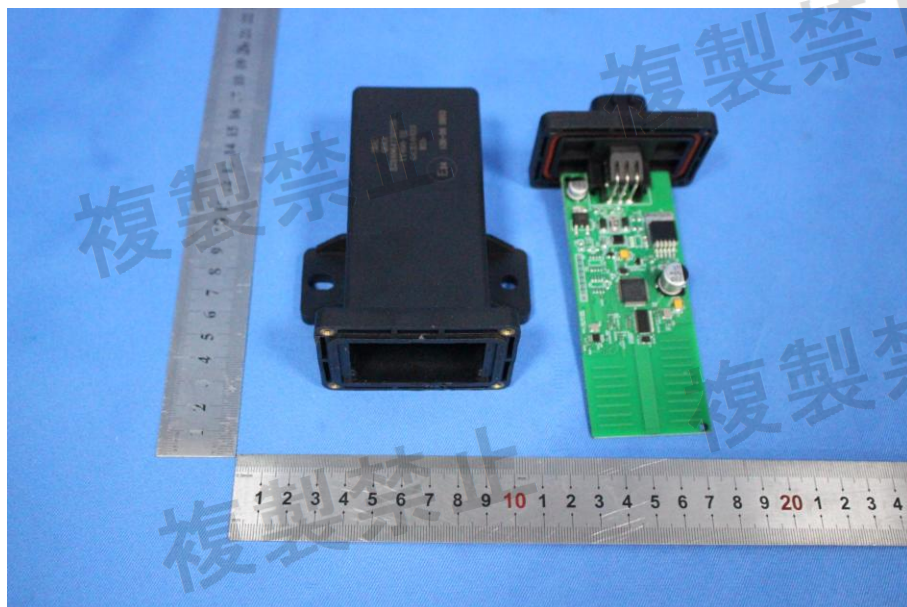


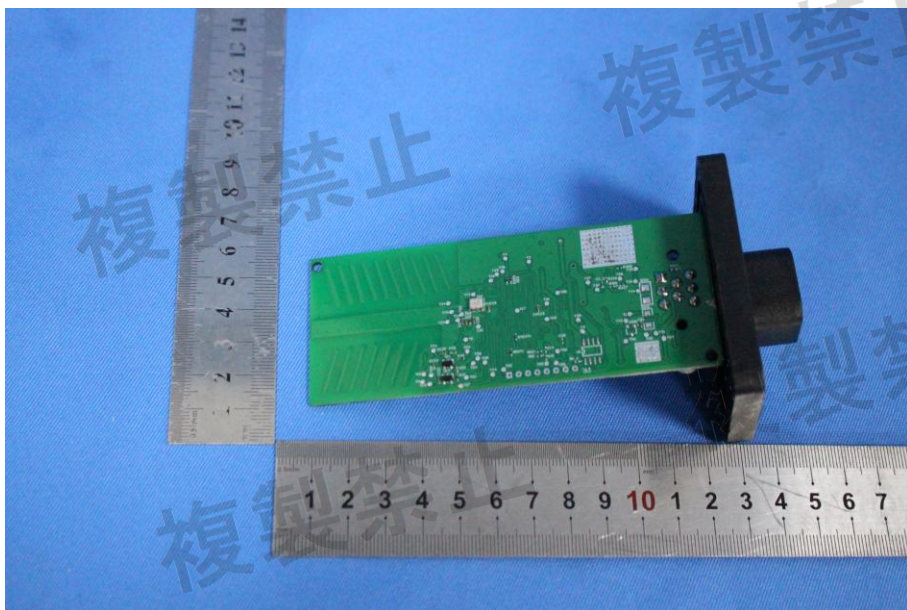
9 EUT Constructional Details (EUT Photos)











- End of the Report -



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Competency Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 105, Building A, Xixiang Technology Industrial Park, No. 50 Fenggang Road, Xixiang Community, Fuyong Street, Bao'an District, Shenzhen, China 518103 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技工业园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com