

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

Report No.: SZCR210300003001

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TEST REPORT

Application No.: SZCR2103000030AT(SHEM2011009697CR)

FCC ID: 2APJ4-SLM500

Applicant: MeiG Smart Technology Co., Ltd

Address of Applicant: 3/F,No.88,Qinjiang Road, Xuhui District, Shanghai, China.

Manufacturer: MeiG Smart Technology Co., Ltd

Address of Manufacturer: 5/F,Bld G,No.2337,Gudai Road,Minghang District,Shanghai,China

Equipment Under Test (EUT):

EUT Name: Smart module
Model No.: SLM500
Trade mark: Meig Link

Standard(s): 47 CFR Part 15, Subpart C 15.247

Date of Receipt: 2020-11-19

Date of Test: 2020-12-22 to 2021-01-08

Date of Issue: 2021-01-11

Test Result: Pass*

Ceny. Ku

EMC Laboratory Manager



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



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Revision Record							
Version Description Date Remark							
00	Original	2021-01-11	/				

Authorized for issue by:	
	Brir Chen
	Bill Chen / Project Engineer
	Eric Fu
	Eric Fu / Reviewer



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2 Test Summary

Radio Spectrum Technical Requirement					
Item	FCC Requirement	Method	Result		
Antenna Requirement	47 CFR Part 15, Subpart C 15.203 & 15.247(c)	N/A	Customer Declaration		
Other requirements Frequency Hopping Spread Spectrum System Hopping Sequence	47 CFR Part 15, Subpart C 15.247(a)(1),(g),(h)	N/A	Pass		

N/A: Not applicable

Radio Spectrum Matter Part	Radio Spectrum Matter Part						
Item	FCC Requirement	Method	Result				
Conducted Peak Output Power	47 CFR Part 15, Subpart C 15.247(b)(1)	ANSI C63.10 (2013) Section 7.8.5	Pass				
20dB Bandwidth	47 CFR Part 15, Subpart C 15.247(a)(1)	ANSI C63.10 (2013) Section 7.8.7	Pass				
Carrier Frequencies Separation	47 CFR Part 15, Subpart C 15.247a(1)	ANSI C63.10 (2013) Section 7.8.2	Pass				
Hopping Channel Number	47 CFR Part 15, Subpart C 15.247a(1)(iii)	ANSI C63.10 (2013) Section 7.8.3	Pass				
Dwell Time	47 CFR Part 15, Subpart C 15.247a(1)(iii)	ANSI C63.10 (2013) Section 7.8.4	Pass				
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247(d)	ANSI C63.10 (2013) Section 7.8.6	Pass				
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247(d)	ANSI C63.10 (2013) Section 7.8.8	Pass				
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.205 & 15.209	ANSI C63.10 (2013) Section 6.10.5	Pass				
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.205 & 15.209	ANSI C63.10 (2013) Section 6.4,6.5,6.6	Pass				



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4 General Information

4.1 Details of E.U.T.

Power supply: DC 3.8V by DC power supply

Test voltage: DC 3.8V

Serial Number: M500QE8BYA071000060

Firmware version: SLM500Q_EQ000_2774.2AAF2F74.BCA2CDE_200628_100_V01_T09

Antenna Gain: 1dBi (Provided by the manufacturer)

Antenna Type: Dipole Antenna
Bluetooth Version: V4.2 Dual mode

Channel Spacing: 1MHz

Modulation Type: GFSK, $\pi/4$ DQPSK, 8DPSK

Number of Channels: 79

Operation Frequency: 2402MHz to 2480MHz

Spectrum Spread Frequency Hopping Spread Spectrum(FHSS)

Technology:

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
DC Power Supply	Laboratory	N/A	E903131
Laptop	Lenovo	ThinkPad X100e	/

4.3 Power level setting using in test

Channel	DH5	2DH5	3DH5
0	Default	Default	Default
39	Default	Default	Default
78	Default	Default	Default





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4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4 x 10 ⁻⁸
2	Timeout	2s
3	Duty Cycle	0.37%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
0	DE Radiated Dower	5.1dB (Below 1GHz)
0	8 RF Radiated Power	4.9dB (Above 1GHz)
		4.2dB (Below 30MHz)
9	Dadiated Courieus Fraissian Test	4.5dB (30MHz-1GHz)
9	Radiated Spurious Emission Test	5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature Test	1°C
11	Humidity Test	3%
12	Supply Voltages	1.5%
13	Time	3%

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



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4.5 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, Shenzhen, Guangdong, China. 518057.

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

No tests were sub-contracted.

4.6 Test Facility

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

• 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

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. 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: CN1178

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

Designation Number: CN1178. Test Firm Registration Number: 406779.

• 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.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None





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Equipment List

RF test system					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
Shielding Room	SAEMC	MSR733	SEM001-09	2019-06-13	2022-06-12
MXA Signal Analyzer(10Hz- 26.5GHz)	KEYSIGHT	N9020A	SEM004-17	2020-05-21	2021-05-20
Signal Generator (9kHz- 40GHz)	KEYSIGHT	N5173B	SEM006-05	2020-09-23	2021-09-22
MXG Vector Signal Generator	KEYSIGHT	N5182A	SEM006-14	2020-03-23	2021-03-22
ESG Vector Signal Generator	KEYSIGHT	E4438C	SEM006-15	2020-09-23	2021-09-22
DC Power Supply	Rohde & Schwarz	NGSM 32/10	SEM011-04	2020-03-24	2021-03-23
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2020-04-09	2021-04-08
Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2020-04-09	2021-04-08
Power Sensor	KEYSIGHT	U2021XA	SEM009-20	2020-05-21	2021-05-20
Power Sensor	KEYSIGHT	U2021XA	SEM009-21	2020-05-21	2021-05-20
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2020-03-25	2021-03-24
Universal Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-03	2020-04-01	2021-03-31
Measurement Software	TST	TST PASS V1.0.5	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-03	2020-07-10	2021-07-09

Radiated Emissions which fall in the restricted bands						
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018-03-13	2021-03-12	
EXA Signal Analyzer	Agilent Technologies Inc	N9010A	SEM004-12	2020-04-09	2021-04-08	
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2018-04-13	2021-04-12	
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-0126	SEM004-11	2020-09-23	2021-09-22	
Measurement Software	Farad	EZ-EMC	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM026-01	2020-07-10	2021-07-09	



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Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2020-11-14	2023-11-13
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2020-04-01	2021-03-31

Radiated Spurious Emissions							
RE in Chamber <1GHz							
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date	Cal. Due date		
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2020-07-19	2023-07-18		
MXE EMI receiver(3Hz- 3.6GHz)	KEYSIGHT	N9038A	SEM004-15	2020-11-02	2021-11-01		
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-02	2019-05-24	2022-05-23		
Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEM005-01	2020-04-01	2021-03-31		
Measurement Software	Farad	EZ-EMC	N/A	N/A	N/A		
Coaxial Cable	SGS	N/A	SEM025-01	2020-07-10	2021-07-09		
RE in Chamber >1GHz							
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)		
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018-03-13	2021-03-12		
EXA Signal Analyzer (10Hz-44GHz)	Agilent Technologies Inc	N9010A	SEM004-12	2020-04-09	2021-04-08		
Horn Antenna (800MHz-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018-04-13	2021-04-12		
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017-10-17	2020-10-16		
Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEM004-11	2020-09-23	2021-09-22		
Pre-amplifier (26- 40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2020-04-01	2021-03-31		
Measurement Software	Farad	EZ-EMC	N/A	N/A	N/A		
Coaxial Cable	SGS	N/A	SEM026-01	2020-07-10	2021-07-09		



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General used equipment										
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date					
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2020-09-15	2021-09-14					
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2020-09-15	2021-09-14					
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2020-04-07	2021-04-06					



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:

The antenna is dipole antenna and no consideration of replacement. The best case gain of the antenna is 1dBi.

Antenna location: Refer to Appendix (Internal Photos)





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6.2 Other requirements Frequency Hopping Spread Spectrum System Hopping Sequence

6.2.1 Test Requirement:

47 CFR Part 15, Subpart C 15.247(a)(1),(g),(h)

6.2.2 Conclusion

Standard Requirement:

The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, must be designed to comply with all of the regulations in this section should the transmitter be presented with a continuous data (or information) stream. In addition, a system employing short transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section.

The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

Compliance for section 15.247(a)(1): According to Technical Specification, the pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized with nine ones.

- > Number of shift register stages: 9
- > Length of pseudo-random sequence: 29 -1 = 511 bits
- > Longest sequence of zeros: 8 (non-inverted signal)

Linear Feedback Shift Register for Generation of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:

Each frequency used equally on the average by each transmitter.

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According to Technical Specification, the receivers are designed to have input and IF bandwidths that match the hopping channel bandwidths of any transmitters and shift frequencies in synchronization with the transmitted signals.

Compliance for section 15.247(g): According to Technical Specification, the system transmits the packet with the pseudorandom hopping frequency with a continuous data and the short burst transmission from the Bluetooth system is also transmitted under the frequency hopping system with the pseudorandom hopping frequency system.

Compliance for section 15.247(h): According to Technical specification, the system incorporates with an adaptive system to detect other user within the spectrum band so that it individually and independently to avoid hopping on the occupied channels.

The system is designed not have the ability to coordinated with other FHSS System in an effort to avoid the simultaneous occupancy of individual hopping frequencies by multiple transmitter.



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7 Radio Spectrum Matter Test Results

7.1 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(1)
Test Method: ANSI C63.10 (2013) Section 7.8.5

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)				
	1 for ≥50 hopping channels				
902-928	0.25 for 25≤ hopping channels <50				
	1 for digital modulation				
	1 for ≥75 non-overlapping hopping channels				
2400-2483.5	0.125 for all other frequency hopping systems				
	1 for digital modulation				
5725-5850	1 for frequency hopping systems and digital modulation				



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7.1.1 E.U.T. Operation

Operating Environment:

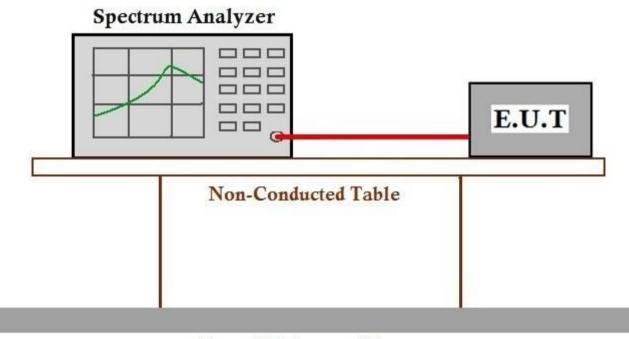
Temperature: 24 Humidity: 50 % RH Atmospheric Pressure: 1003 mbar

Test mode b:TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK

modulation, π/4DQPSK modulation, 8DPSK modulation. All modes have been

tested and only the data of worst case is recorded in the report.

7.1.2 Test Setup Diagram



Ground Reference Plane

7.1.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SZCR210300003001



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7.2 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247(a)(1) Test Method: ANSI C63.10 (2013) Section 7.8.7

7.2.1 E.U.T. Operation

Operating Environment:

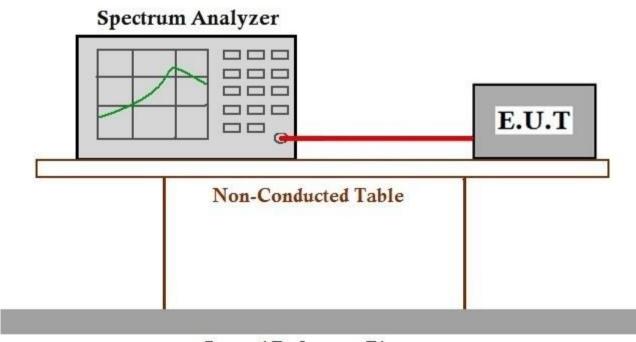
Temperature: 25 Humidity: 49 % RH Atmospheric Pressure: 1002 mbar

Test mode b:TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK

modulation, π/4DQPSK modulation, 8DPSK modulation. All modes have been

tested and only the data of worst case is recorded in the report.

7.2.2 Test Setup Diagram



Ground Reference Plane

7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SZCR210300003001



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7.3 Carrier Frequencies Separation

Test Requirement 47 CFR Part 15, Subpart C 15.247a(1)
Test Method: ANSI C63.10 (2013) Section 7.8.2

Limit: 2/3 of the 20dB bandwidth base on the transmission power is less than

0.125W

7.3.1 E.U.T. Operation

Operating Environment:

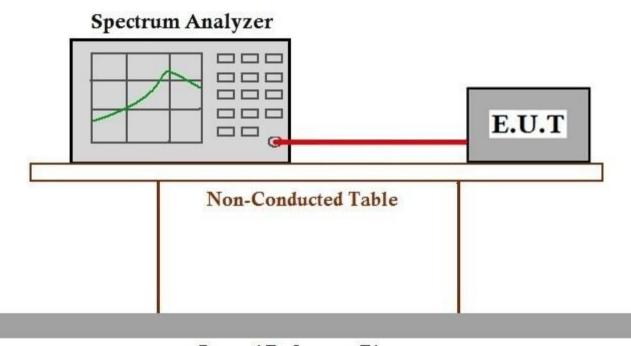
Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1002 mbar

Test mode a:TX Hop mode Keep the EUT in frequency hopping mode with GFSK

modulation, π/4DQPSK modulation, 8DPSK modulation. All modes have been

tested and only the data of worst case is recorded in the report.

7.3.2 Test Setup Diagram



Ground Reference Plane

7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SZCR210300003001



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7.4 Hopping Channel Number

Test Requirement 47 CFR Part 15, Subpart C 15.247a(1)(iii)

Test Method: ANSI C63.10 (2013) Section 7.8.3

Limit:

Frequency range(MHz)	Number of hopping channels (minimum)					
002 020	50 for 20dB bandwidth <250kHz					
902-928	25 for 20dB bandwidth ≥250kHz					
2400-2483.5	15					
5725-5850	75					

7.4.1 E.U.T. Operation

Operating Environment:

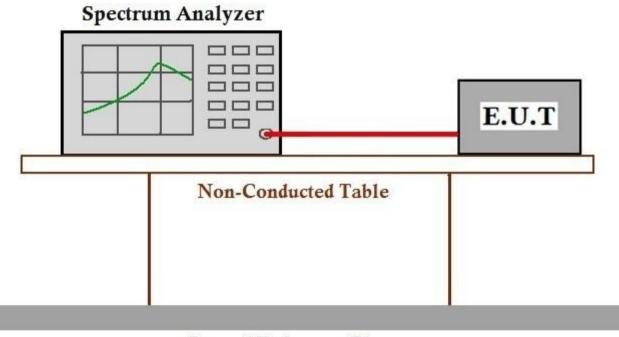
Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1002 mbar

Test mode a:TX_Hop mode_Keep the EUT in frequency hopping mode with GFSK

modulation, π/4DQPSK modulation, 8DPSK modulation. All modes have been

tested and only the data of worst case is recorded in the report.

7.4.2 Test Setup Diagram



Ground Reference Plane

7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SZCR210300003001



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7.5 Dwell Time

Test Requirement 47 CFR Part 15, Subpart C 15.247a(1)(iii)

Test Method: ANSI C63.10 (2013) Section 7.8.4

Limit:

Frequency(MHz)	Limit				
002 020	0.4S within a 20S period(20dB bandwidth<250kHz)				
902-928	0.4S within a 10S period(20dB bandwidth≥250kHz)				
2400 2402 5	0.4S within a period of 0.4S multiplied by the number				
2400-2483.5	of hopping channels				
5725-5850	0.4S within a 30S period				

7.5.1 E.U.T. Operation

Operating Environment:

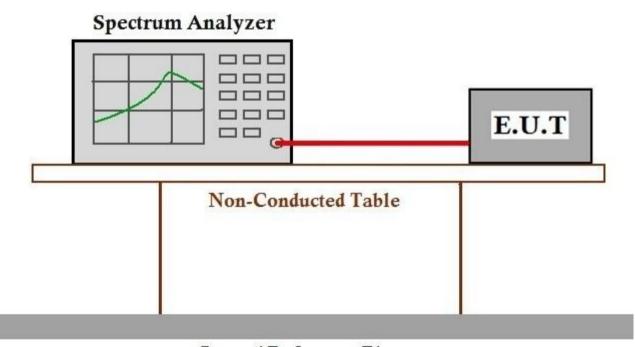
Temperature: 24 °C Humidity: 49 % RH Atmospheric Pressure: 1002 mbar

Test mode a:TX_Hop mode_Keep the EUT in frequency hopping mode with GFSK

modulation, π/4DQPSK modulation, 8DPSK modulation. All modes have been

tested and only the data of worst case is recorded in the report.

7.5.2 Test Setup Diagram



Ground Reference Plane

7.5.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SZCR210300003001



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7.6 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)
Test Method: ANSI C63.10 (2013) Section 7.8.6

Limit: In any 100 kHz bandwidth outside the frequency band in which the spread

spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, 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)

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1003 mbar

Pretest these a:TX_Hop mode_Keep the EUT in frequency hopping mode with GFSK modulation, $\pi/4DQPSK$ modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.

b:TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK modulation, $\pi/4DQPSK$ modulation, 8DPSK modulation. All modes have been

tested and only the data of worst case is recorded in the report.



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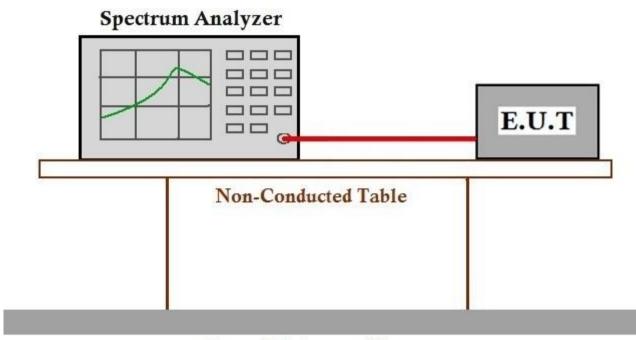


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7.6.2 Test Setup Diagram



Ground Reference Plane

7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SZCR210300003001



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7.7 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d) Test Method: ANSI C63.10 (2013) Section 7.8.8

Limit: In any 100 kHz bandwidth outside the frequency band in which the spread

> spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition,

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)



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7.7.1 E.U.T. Operation

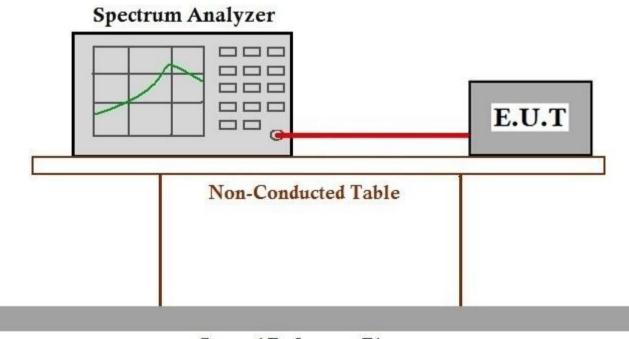
Operating Environment:

Temperature: Atmospheric Pressure: 1003 mbar 25 Humidity: 49 % RH Test mode b:TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK

modulation, π/4DQPSK modulation, 8DPSK modulation. All modes have been

tested and only the data of worst case is recorded in the report.

7.7.2 Test Setup Diagram



Ground Reference Plane

7.7.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SZCR210300003001



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7.8 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.10.5

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1000 mbar

Test mode b:TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK

modulation, $\pi/4DQPSK$ modulation, 8DPSK modulation. All modes have been

tested and only the data of worst case is recorded in the report.



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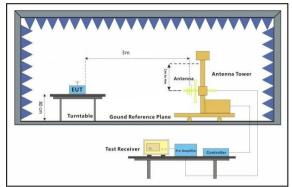


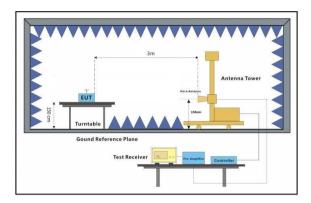
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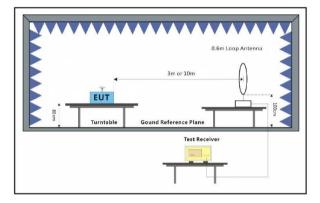
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7.8.2 Test Setup Diagram









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7.8.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



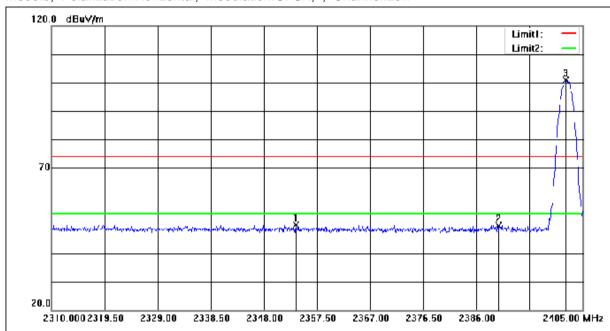


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Mode:b; Polarization:Horizontal; Modulation:GFSK; ; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2353.700	54.28	-4.34	49.94	74.00	-24.06	peak
2	2390.000	53.97	-4.24	49.73	74.00	-24.27	peak
3	2402.000	105.15	-4.21	100.94	74.00	26.94	peak



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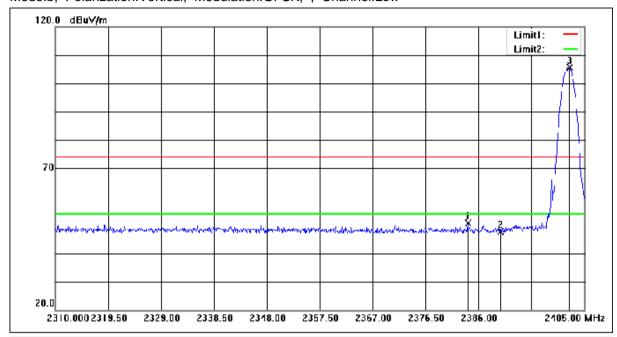


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Mode:b; Polarization:Vertical; Modulation:GFSK; ; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2384.100	54.77	-4.26	50.51	74.00	-23.49	peak
2	2390.000	51.81	-4.24	47.57	74.00	-26.43	peak
3	2402.340	109.90	-4.21	105.69	74.00	31.69	peak



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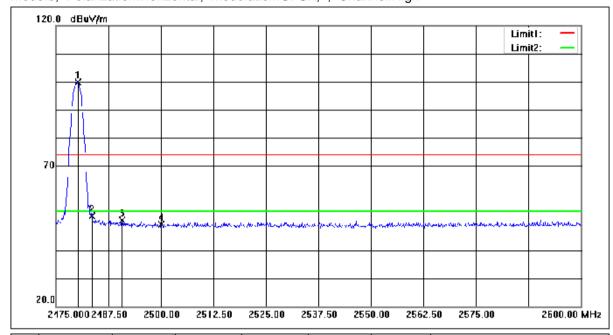


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Mode:b; Polarization:Horizontal; Modulation:GFSK; ; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2480.250	103.87	-4.01	99.86	74.00	25.86	peak
2	2483.500	56.07	-4.00	52.07	74.00	-21.93	peak
3	2490.750	54.51	-3.98	50.53	74.00	-23.47	peak
4	2500.000	53.14	-3.96	49.18	74.00	-24.82	peak



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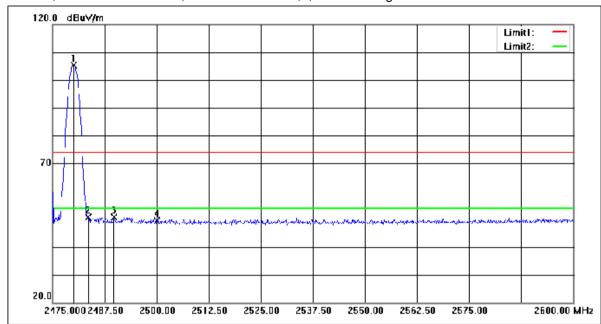


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Mode:b; Polarization:Vertical; Modulation:GFSK; ; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2480.000	109.35	-4.01	105.34	74.00	31.34	peak
2	2483.500	54.53	-4.00	50.53	74.00	-23.47	peak
3	2489.750	54.59	-3.99	50.60	74.00	-23.40	peak
4	2500.000	53.26	-3.96	49.30	74.00	-24.70	peak



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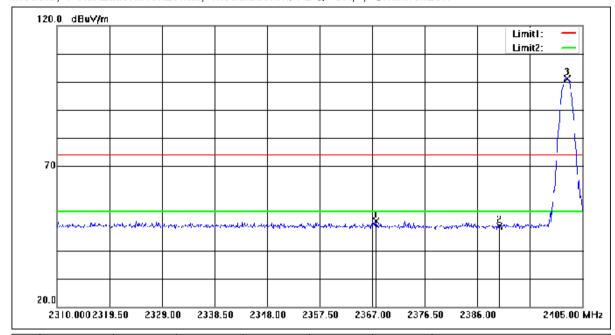


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Mode:b; Polarization:Horizontal; Modulation:π/4 DQPSK; ; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2367.665	54.77	-4.30	50.47	74.00	-23.53	peak
2	2390.000	52.95	-4.24	48.71	74.00	-25.29	peak
3	2402.245	105.33	-4.21	101.12	74.00	27.12	peak



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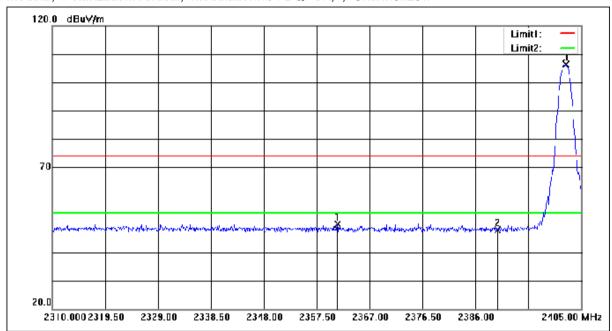


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Mode:b; Polarization:Vertical; Modulation:π/4 DQPSK; ; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2361.205	54.30	-4.32	49.98	74.00	-24.02	peak
2	2390.000	52.09	-4.24	47.85	74.00	-26.15	peak
3	2402.245	110.47	-4.21	106.26	74.00	32.26	peak



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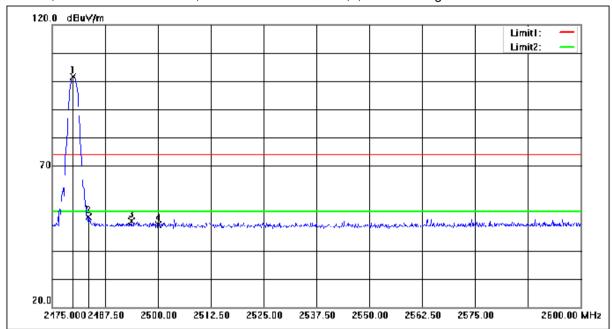


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No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2479.875	105.70	-4.01	101.69	74.00	27.69	peak
2	2483.500	55.97	-4.00	51.97	74.00	-22.03	peak
3	2493.750	54.37	-3.98	50.39	74.00	-23.61	peak
4	2500.000	52.97	-3.96	49.01	74.00	-24.99	peak



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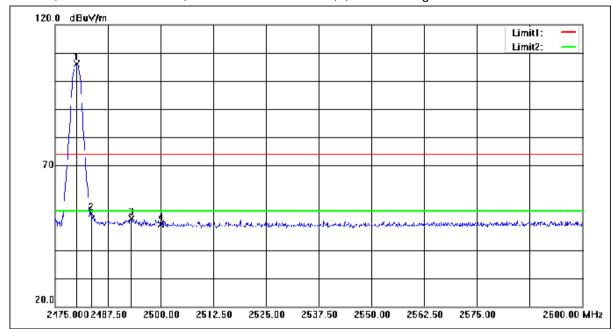


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Mode:b; Polarization:Vertical; Modulation:π/4 DQPSK; ; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2480.000	110.08	-4.01	106.07	74.00	32.07	peak
2	2483.500	56.95	-4.00	52.95	74.00	-21.05	peak
3	2493.125	55.00	-3.98	51.02	74.00	-22.98	peak
4	2500.000	53.13	-3.96	49.17	74.00	-24.83	peak



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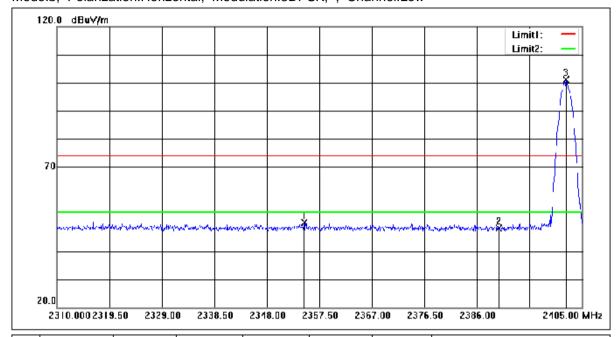


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Mode:b; Polarization:Horizontal; Modulation:8DPSK; ; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2354.745	54.40	-4.33	50.07	74.00	-23.93	peak
2	2390.000	52.28	-4.24	48.04	74.00	-25.96	peak
3	2402.150	105.28	-4.21	101.07	74.00	27.07	peak



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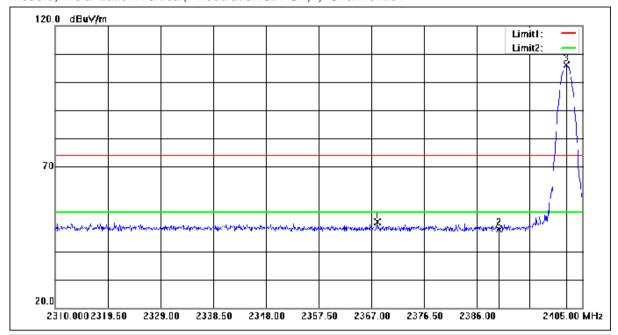


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Mode:b; Polarization:Vertical; Modulation:8DPSK; ; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2368.045	54.65	-4.30	50.35	74.00	-23.65	peak
2	2390.000	52.14	-4.24	47.90	74.00	-26.10	peak
3	2402.150	110.24	-4.21	106.03	74.00	32.03	peak



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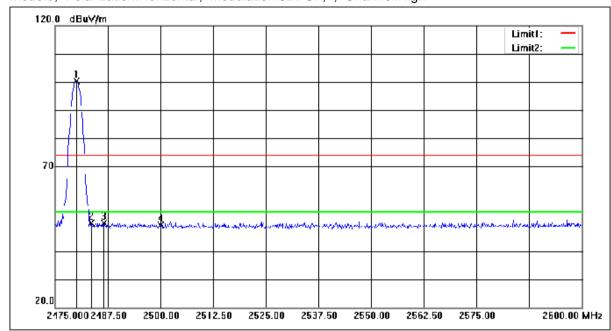


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Mode:b; Polarization:Horizontal; Modulation:8DPSK; ; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2480.000	104.49	-4.01	100.48	74.00	26.48	peak
2	2483.500	53.94	-4.00	49.94	74.00	-24.06	peak
3	2486.500	53.94	-3.99	49.95	74.00	-24.05	peak
4	2500.000	53.00	-3.96	49.04	74.00	-24.96	peak



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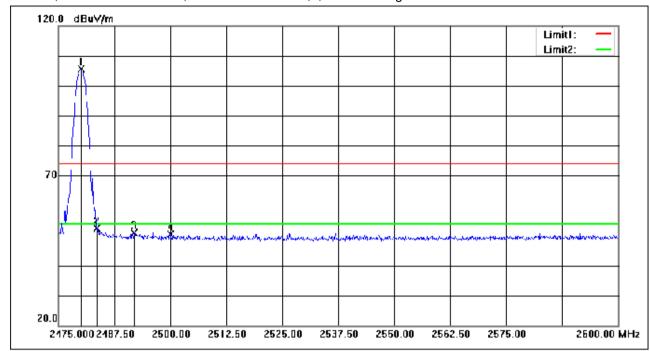


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Mode:b; Polarization:Vertical; Modulation:8DPSK; ; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2480.000	109.60	-4.01	105.59	74.00	31.59	peak
2	2483.500	56.41	-4.00	52.41	74.00	-21.59	peak
3	2491.875	54.80	-3.98	50.82	74.00	-23.18	peak
4	2500.000	54.35	-3.96	50.39	74.00	-23.61	peak



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7.9 Radiated Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209 Test Method: ANSI C63.10 (2013) Section 6.4,6.5,6.6

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



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7.9.1 E.U.T. Operation

Operating Environment:

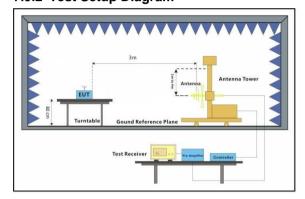
Temperature: 25 Humidity: 49 % RH Atmospheric Pressure: 1004 mbar

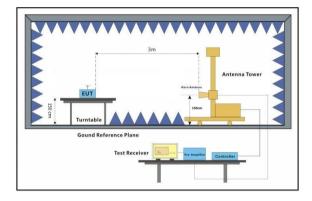
Test mode b:TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK

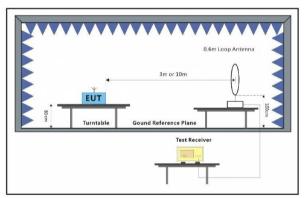
modulation, π/4DQPSK modulation, 8DPSK modulation. All modes have been

tested and only the data of worst case is recorded in the report.

7.9.2 Test Setup Diagram









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7.9.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

- 3) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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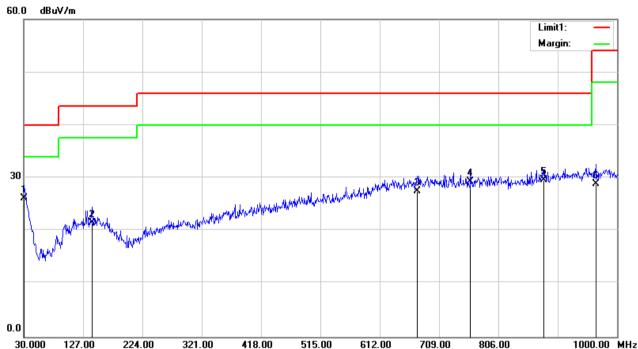
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Below 1GHz

Mode:b; Polarization:Horizontal;



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.9700	0.74	25.38	26.12	40.00	-13.88	100	208	QP
2	141.5500	1.70	19.86	21.56	43.50	-21.94	100	50	QP
3	673.1100	0.17	27.29	27.46	46.00	-18.54	107	0	QP
4	760.4100	1.77	27.55	29.32	46.00	-16.68	100	360	QP
5	879.7200	1.13	28.43	29.56	46.00	-16.44	100	138	QP
6	965.0800	-0.32	29.27	28.95	54.00	-25.05	100	360	QP



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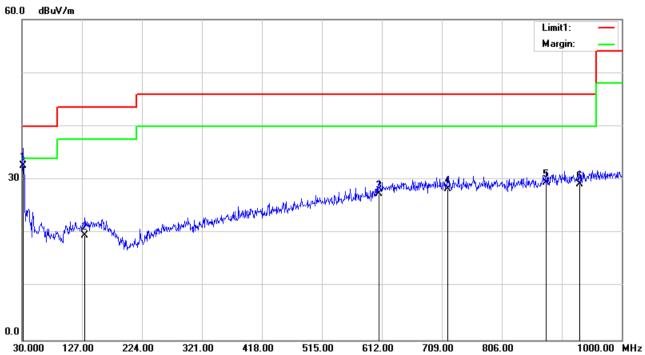


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Mode:b; Polarization:Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	31.9400	7.74	24.82	32.56	40.00	-7.44	100	25	QP
2	131.8500	0.10	19.55	19.65	43.50	-23.85	100	354	QP
3	607.1500	0.85	26.60	27.45	46.00	-18.55	100	289	QP
4	718.7000	0.83	27.49	28.32	46.00	-17.68	100	345	QP
5	877.7800	1.12	28.41	29.53	46.00	-16.47	100	327	QP
6	932.1000	0.05	29.07	29.12	46.00	-16.88	100	108	QP



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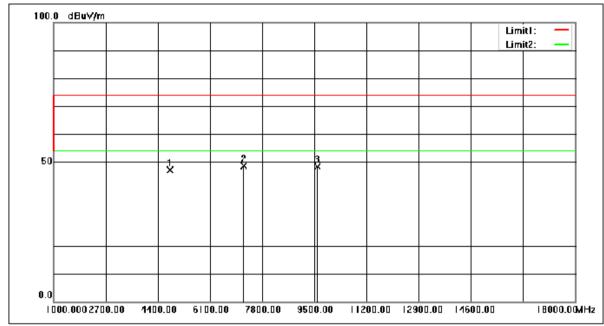
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Above 1GHz

Mode:b; Polarization:Horizontal; Modulation:GFSK; ; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	57.50	-10.28	47.22	74.00	-26.78	peak
2	7206.000	55.67	-7.10	48.57	74.00	-25.43	peak
3	9608.000	53.43	-4.96	48.47	74.00	-25.53	peak



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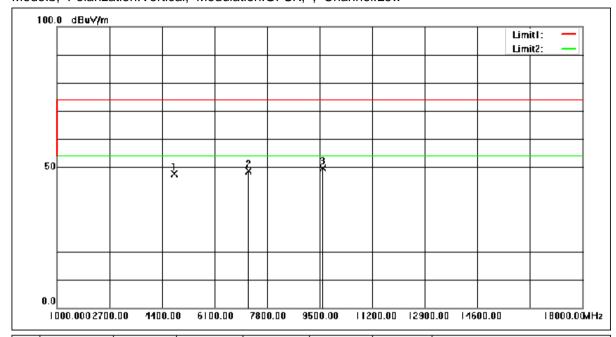


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Mode:b; Polarization:Vertical; Modulation:GFSK; ; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4804.000	57.80	-10.28	47.52	74.00	-26.48	peak
2	7206.000	55.66	-7.10	48.56	74.00	-25.44	peak
3	9608.000	54.49	-4.96	49.53	74.00	-24.47	peak



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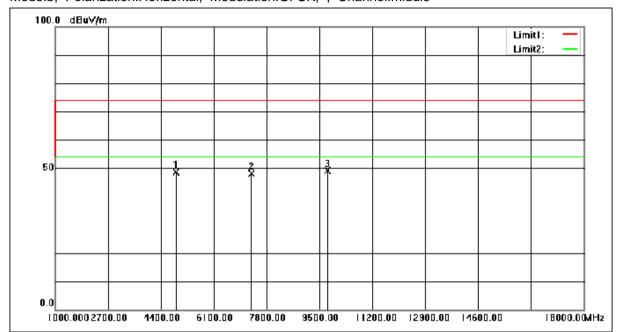


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Mode:b; Polarization:Horizontal; Modulation:GFSK; ; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4882.000	58.51	-9.98	48.53	74.00	-25.47	peak
2	7323.000	54.96	-6.91	48.05	74.00	-25.95	peak
3	9764.000	53.45	-4.23	49.22	74.00	-24.78	peak



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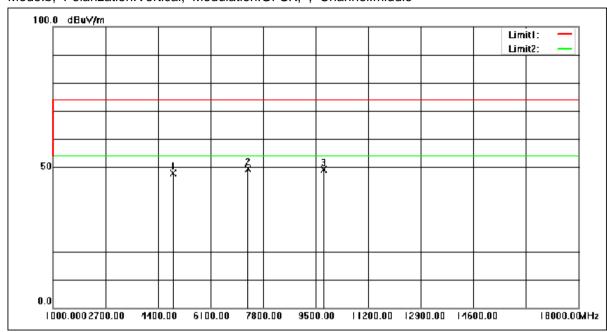


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Report No.: SZCR210300003001

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Mode:b; Polarization:Vertical; Modulation:GFSK; ; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4882.000	57.86	-9.98	47.88	74.00	-26.12	peak
2	7323.000	56.41	-6.91	49.50	74.00	-24.50	peak
3	9764.000	53.32	-4.23	49.09	74.00	-24.91	peak



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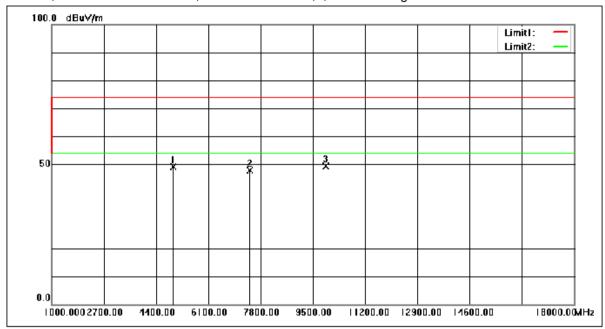


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Mode:b; Polarization:Horizontal; Modulation:GFSK; ; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	58.71	-9.68	49.03	74.00	-24.97	peak
2	7440.000	54.60	-6.72	47.88	74.00	-26.12	peak
3	9920.000	52.93	-3.50	49.43	74.00	-24.57	peak



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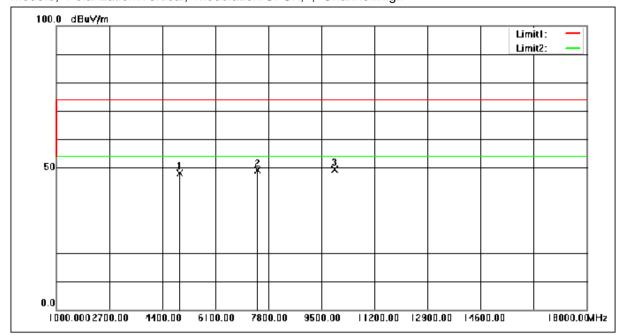


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Mode:b; Polarization:Vertical; Modulation:GFSK; ; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4960.000	57.90	-9.68	48.22	74.00	-25.78	peak
2	7440.000	55.81	-6.72	49.09	74.00	-24.91	peak
3	9920.000	52.94	-3.50	49.44	74.00	-24.56	peak



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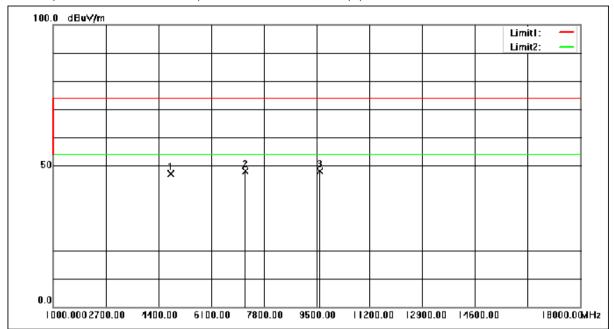


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Mode:b; Polarization:Horizontal; Modulation:π/4 DQPSK; ; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4804.000	57.37	-10.28	47.09	74.00	-26.91	peak
2	7206.000	55.13	-7.10	48.03	74.00	-25.97	peak
3	9608.000	53.18	-4.96	48.22	74.00	-25.78	peak



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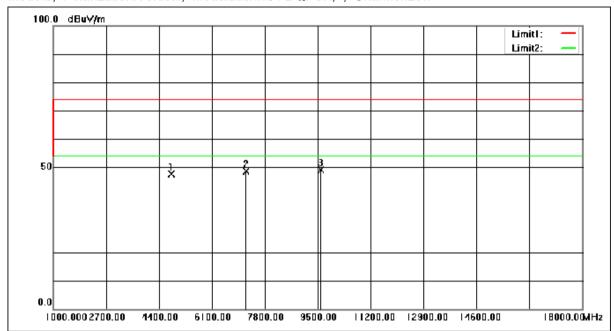


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Mode:b; Polarization:Vertical; Modulation:π/4 DQPSK; ; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4804.000	57.97	-10.28	47.69	74.00	-26.31	peak
2	7206.000	55.80	-7.10	48.70	74.00	-25.30	peak
3	9608.000	53.97	-4.96	49.01	74.00	-24.99	peak



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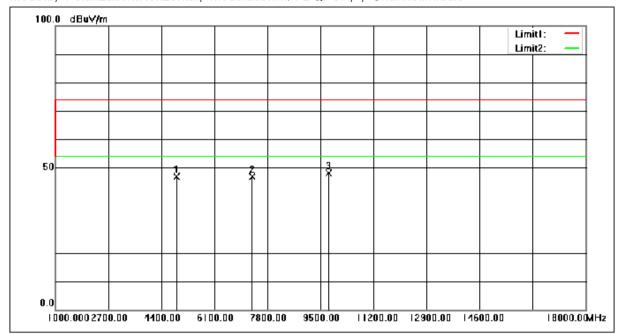


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Mode:b; Polarization:Horizontal; Modulation:π/4 DQPSK; ; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4882.000	56.85	-9.98	46.87	74.00	-27.13	peak
2	7323.000	53.90	-6.91	46.99	74.00	-27.01	peak
3	9764.000	52.45	-4.23	48.22	74.00	-25.78	peak



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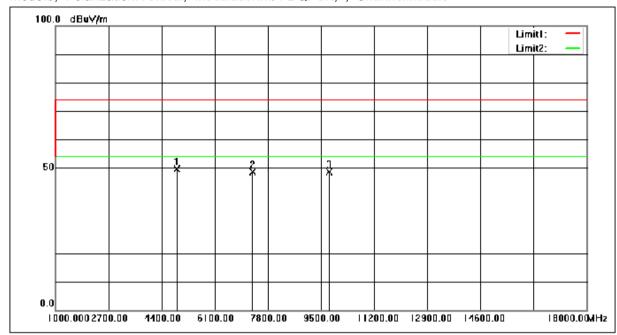


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Mode:b; Polarization:Vertical; Modulation:π/4 DQPSK; ; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4882.000	59.55	-9.98	49.57	74.00	-24.43	peak
2	7323.000	55.48	-6.91	48.57	74.00	-25.43	peak
3	9764.000	52.80	-4.23	48.57	74.00	-25.43	peak



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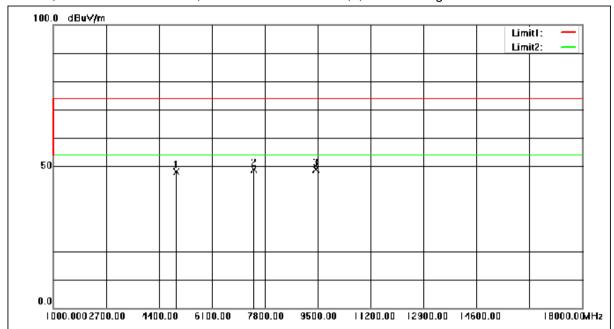


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Mode:b; Polarization:Horizontal; Modulation:π/4 DQPSK; ; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4960.000	57.69	-9.68	48.01	74.00	-25.99	peak
2	7440.000	55.48	-6.72	48.76	74.00	-25.24	peak
3	9440.000	54.26	-5.50	48.76	74.00	-25.24	peak



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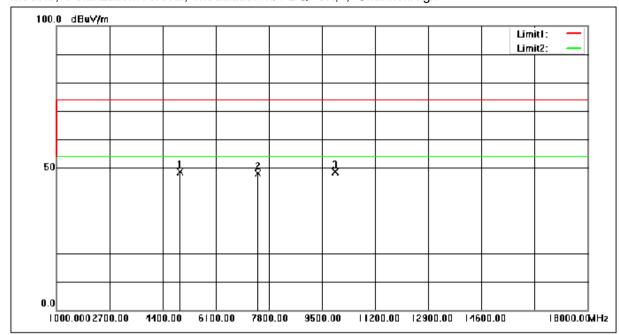


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Mode:b; Polarization:Vertical; Modulation:π/4 DQPSK; ; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4960.000	58.40	-9.68	48.72	74.00	-25.28	peak
2	7440.000	54.82	-6.72	48.10	74.00	-25.90	peak
3	9920.000	52.18	-3.50	48.68	74.00	-25.32	peak



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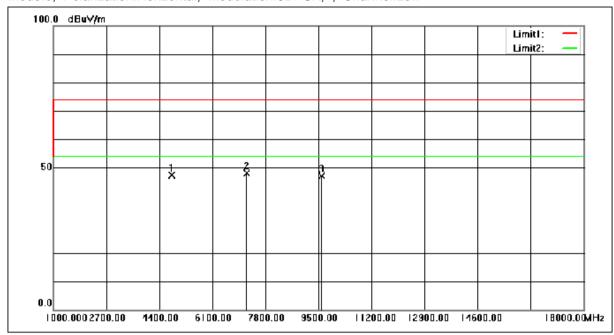


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Mode:b; Polarization:Horizontal; Modulation:8DPSK; ; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4804.000	57.71	-10.28	47.43	74.00	-26.57	peak
2	7206.000	55.30	-7.10	48.20	74.00	-25.80	peak
3	9608.000	52.18	-4.96	47.22	74.00	-26.78	peak



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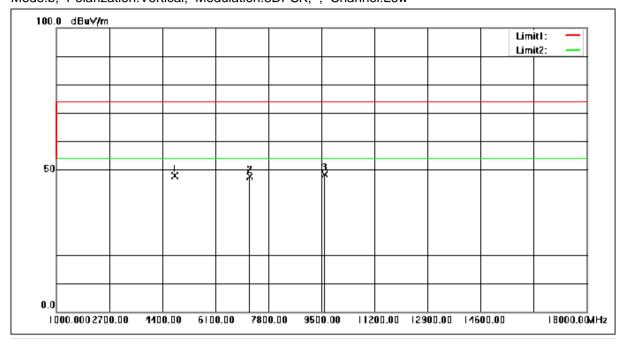


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Mode:b; Polarization:Vertical; Modulation:8DPSK; ; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4804.000	58.05	-10.28	47.77	74.00	-26.23	peak
2	7206.000	54.69	-7.10	47.59	74.00	-26.41	peak
3	9608.000	53.39	-4.96	48.43	74.00	-25.57	peak



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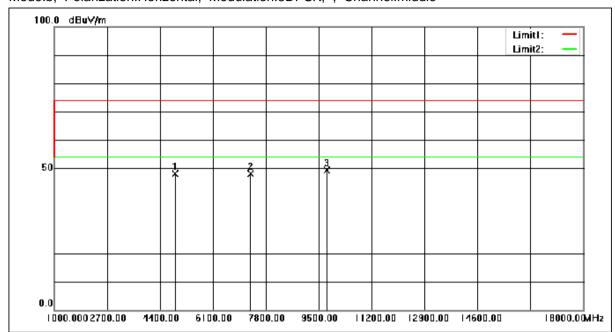


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Mode:b; Polarization:Horizontal; Modulation:8DPSK; ; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4882.000	58.19	-9.98	48.21	74.00	-25.79	peak
2	7323.000	55.04	-6.91	48.13	74.00	-25.87	peak
3	9764.000	53.60	-4.23	49.37	74.00	-24.63	peak



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Mode:b; Polarization:Vertical; Modulation:8DPSK; ; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4882.000	57.25	-9.98	47.27	74.00	-26.73	peak
2	7323.000	55.58	-6.91	48.67	74.00	-25.33	peak
3	9764.000	52.45	-4.23	48.22	74.00	-25.78	peak



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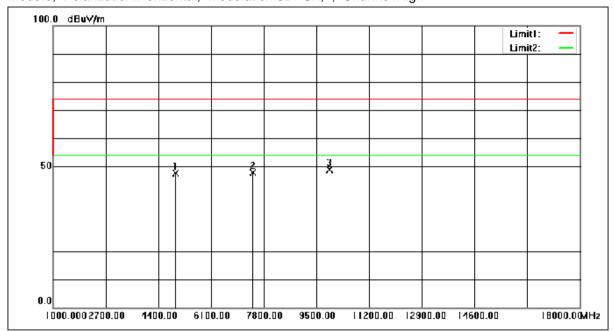


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Mode:b; Polarization:Horizontal; Modulation:8DPSK; ; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4960.000	57.27	-9.68	47.59	74.00	-26.41	peak
2	7440.000	54.67	-6.72	47.95	74.00	-26.05	peak
3	9920.000	52.44	-3.50	48.94	74.00	-25.06	peak



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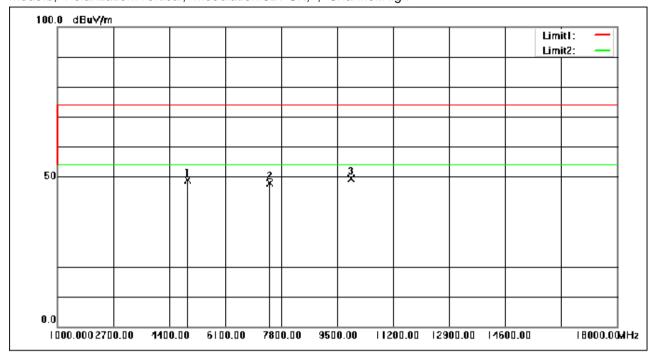


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Mode:b; Polarization:Vertical; Modulation:8DPSK; ; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4960.000	58.55	-9.68	48.87	74.00	-25.13	peak
2	7440.000	54.65	-6.72	47.93	74.00	-26.07	peak
3	9920.000	52.95	-3.50	49.45	74.00	-24.55	peak



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Test Setup Photographs 8

Refer to the < Test Setup photos-FCC>.

9 **EUT Constructional Details**

Refer to the < External Photos > & < Internal Photos >.

- End of the Report -



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