TEST REPORT

Application No.:	SZCR2506002766AT
Applicant:	FIH CO., LTD.
Address of Applicant:	No.4, Mingsheng St., Tu-Cheng Dist., New Taipei City 23679 Taiwan
Manufacturer:	Futaijing Precision Electronics (Beijing)co., Ltd.
Address of Manufacturer:	No.9 JinXiu Street, Beijing Economic & Technological Development Area, Beijing 100176, China
Factory:	Futaijing Precision Electronics (Beijing)co., Ltd.
Address of Factory:	No.9 JinXiu Street, Beijing Economic & Technological Development Area, Beijing 100176, China
Equipment Under Test (EUT):	
EUT Name:	RTBM
Model No.:	RTBM-EANAGEN, RTBM-SHNAGEN, RTBM-SHNAADV, RTBM-SHSAGEN, RTBM-EASAGEN, RTBM-SHSAADV ♣
♣	Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
FCC ID:	RYQ31PHBM2000A
Standard(s) :	47 CFR Part 2 47 CFR Part 22 47 CFR Part 24 47 CFR Part 27 47 CFR Part 90
Date of Receipt:	2025-06-26
Date of Test:	2025-07-01 to 2025-07-05
Date of Issue:	2025-07-10
Test Result:	**Pass**

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

Keny Xu
EMC Laboratory Manager

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Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2025-07-10		Original

Authorized for issue by:				
		Calvin Weng		
		Calvin Weng/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		

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2 Test Summary

Test Item	FCC Rule No.	Requirements	Verdict
Field strength of spurious radiation	§2.1051 §22.917 §24.238 §27.50(g) §27.50(h) §27.50(m) §27.53(c) §90.691	 ≤ -13dBm (LTE Band5,26b) ≤ -13dBm (LTE Band2,25) ≤ -13dBm (LTE Band12,17,71) ≤ -13dBm (LTE Band4,66) Refer to clause 6.1 for LTE Band7 Refer to clause 6.1 for LTE Band13 Refer to clause 6.1 for LTE Band26a	PASS

Remark:

Model No.: RTBM-EANAGEN, RTBM-SHNAGEN, RTBM-SHNAADV,

RTBM-SHSAGEN, RTBM-EASAGEN, RTBM-SHSAADV

Only the model RTBM-SHNAGEN was tested, since according to the declaration from the applicant, the electrical circuit design, PCB layout, components used, internal wiring and functions were identical for all the above models, with only difference on changing the WWAN antenna.

This test report (Ref. No.: SZCR250600276603) is only valid with the original test report (Ref. No.: SZCR240600244905).

Review this report and original report, this report just changed the product name ang changed the model No..

According to the declaration from the applicant, the models in this report and models in original report were identical, only difference with being changing the WWAN antenna.

Considering to the difference, pre-scan were performed on the sample in this report to find the items which can be influential to the result in the original test report for fully retest.

Therefore in this report Field strength of spurious radiation was fully retested on model and shown the data in this report, other tests please refer to original report SZCR240600244905.

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3 Contents

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4 General Information

4.1 Details of E.U.T.

Power supply:	DC12V
Sample Type:	Mobile production
LTE Operation Frequency Band:	LTE B2/4/5/7/12/13/17/25/26/66/71
Modulation Type:	QPSK, 16QAM
LTE Power Class:	Level 3
Antenna Type:	Monopole antenna
Antenna Gain:	LTE B2:-3.6dBi; B4: -4.7dBi; B5:-3.5dBi, B7:-4.6dBi, B12:-5dBi, B13:-4.8dBi, B17: -4.1dBi, B25: -3.3dBi; B26:-3.6dBi; B66:-4.4dBi, B71:-5.3dBi
Host name:	RTBM
Host Model Number:	RTBM-SHNAGEN

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 Frequency

Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE FDD Band 2	1.4	1850.7	1880	1909.3
	3	1851.5	1880	1908.5
	5	1852.5	1880	1907.5
	10	1855.0	1880	1905.0
	15	1857.5	1880	1902.5
	20	1860.0	1880	1900.0
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE FDD Band 4	1.4	1710.7	1732.5	1754.3
	3	1711.5	1732.5	1751.5
	5	1712.5	1732.5	1752.5
	10	1715.0	1732.5	1750.0
	15	1717.5	1732.5	1747.5
	20	1720.0	1732.5	1745.0
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE FDD Band 5	1.4	824.7	836.5	848.3
	3	825.5	836.5	847.5
	5	826.5	836.5	846.5
	10	829.0	836.5	844.0
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE FDD Band 7	5	2502.5	2535.0	2567.5
	10	2505.0	2535.0	2565.0
	15	2507.5	2535.0	2562.5
	20	2510.0	2535.0	2560.0

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Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE FDD Band 12	1.4	699.7	707.5	715.3
	3	700.5	707.5	714.5
	5	701.5	707.5	713.5
	10	704.0	707.5	711.0
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE FDD Band 13	5	779.5	782.0	784.5
	10	/	782.0	/
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE FDD Band 17	5	706.5	710.0	713.5
	10	709.0	710.0	711.0
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE FDD Band 25	1.4	1850.7	1882.5	1914.3
	3	1851.5	1882.5	1913.5
	5	1852.5	1882.5	1912.5
	10	1855.0	1882.5	1910.0
	15	1857.5	1882.5	1907.5
	20	1860.0	1882.5	1905.0

Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE FDD Band 26a	1.4	814.7	819.0	823.3
	3	815.5	819.0	822.5
	5	816.5	819.0	821.5
	10	/	819.0	/
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE FDD Band 26b	1.4	824.7	836.5	848.3
	3	825.5	836.5	847.5
	5	826.5	836.5	846.5
	10	829.0	836.5	844.0
	15	831.5	836.5	841.5
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE FDD Band 66	1.4	1710.7	1745.0	1779.3
	3	1711.5	1745.0	1778.5
	5	1712.5	1745.0	1777.5
	10	1715.0	1745.0	1775.0
	15	1717.5	1745.0	1772.5
	20	1720.0	1745.0	1770.0
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE FDD Band 71	5	665.5	680.5	695.5
	10	668.0	680.5	693.0
	15	670.5	680.5	690.5
	20	673.0	680.5	688.0

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4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Control board	Provided by Manufacture	--	--
Speaker and Microphone	Provided by Manufacture	--	--
Main cable	Provided by Manufacture	--	--
Ethernet AMTD Cable	Provided by Manufacture	--	--
BUB cable	Provided by Manufacture	--	--
BUB(Backup Battery)	Provided by Manufacture	--	--

4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radiated Spurious emission test	± 3.1dB (Below 1GHz)
		± 4.4dB (Above 1GHz)
2	Temperature test	± 1°C
3	Humidity test	± 3%
4	Supply voltages	± 1.5%
5	Time	± 3%

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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, Nanshan District, 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 (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.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None

5 Equipment List

RE in Chamber					
Test Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date**	**Cal. Due date**
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2024-05-11	2027-05-10
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-33	2023-09-23	2025-09-22
Substitution Antenna	Schwarzbeck	VULB9168	SEM003-18	2022-08-07	2025-08-06
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22
Microwave system amplifier	Agilent	83017A	SEM005-25	2024-09-14	2025-09-13
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2024-07-06	2025-07-05
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2024-08-10	2025-08-09
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2025-03-21	2026-03-20
Signal Generator(9kHz-40GHz)	N5173B	MY53270267	Agilent	2024-09-14	2025-09-13
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2023-09-17	2025-09-16
Pre-amplifier	Rohde & Schwarz	CH14-H052	SEM005-17	2025-03-21	2026-03-20
Substitution Antenna	Rohde & Schwarz	HF907	SEM003-06	2024-08-03	2025-08-02
Substitution Antenna	ETS-LINDGREN	3160-09	SEM003-12	2024-08-03	2025-08-02
Universal Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-03	2025-03-03	2026-03-02

General used equipment					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Humidity- Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23
Humidity- Temperature Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2025-03-03	2026-03-02

6 Radio Spectrum Matter Test Results

6.1 Field strength of spurious radiation

Test Requirement:	§2.1051,§22.917,§24.238,§27.50(c),§27.50(g),§27.50(h),§27.50(m),§90.691 §96.41
Test Method:	ANSI C63.26-2015, KDB 971168 D01 v03r01
Limit:	§2.1051,§22.917,§24.238,§27.50(c),§27.50(g),§27.50(h),§27.50(m),§90.691 §96.41

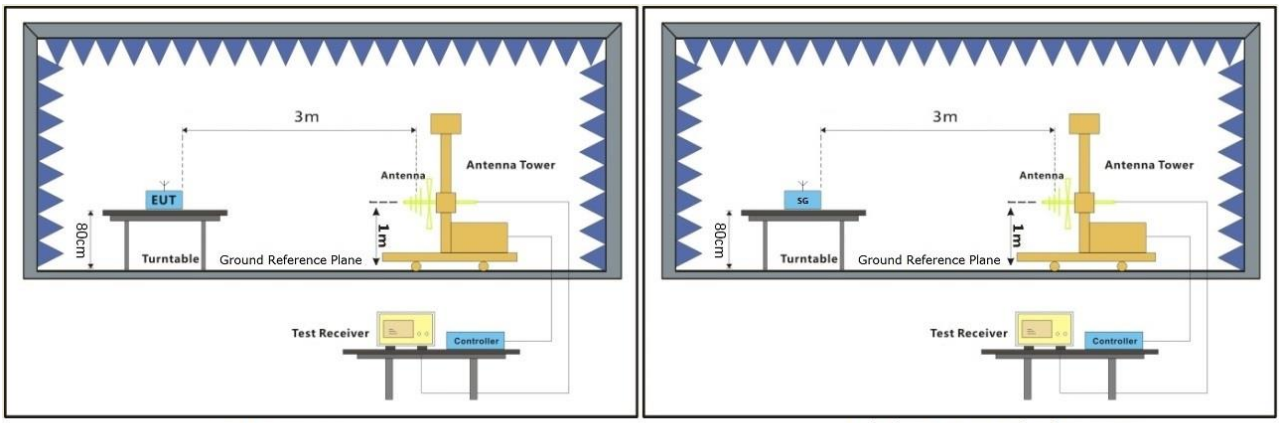
6.1.1 E.U.T. Operation

Operating Environment:

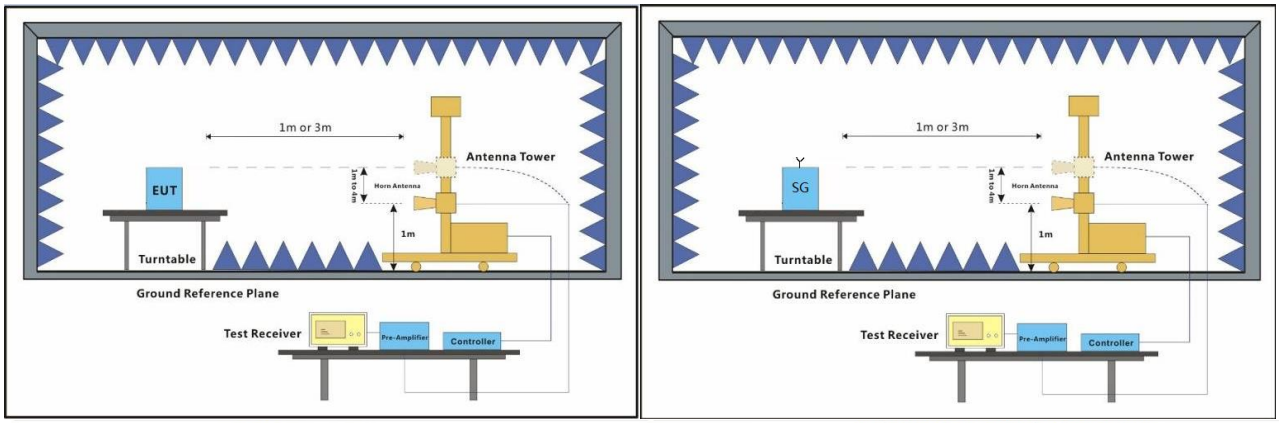
Temperature: 21.2 °C Humidity: 44.5 % RH Atmospheric Pressure: 1020 mbar

Test mode 32: TX mode_Keep the EUT in transmitting mode

6.1.2 Test Setup Diagram



EUT Substiute Antenna+Signal Generator



EUT Substiute Antenna+Signal Generator

6.1.3 Measurement Procedure and Data

Test Procedure:

(1)On a test site, the EUT shall be placed on a turntable and in the position closest to the normal use as declared by the user.
(2)The test antenna shall be oriented initially for vertical polarization located 3m from the EUT to correspond to the transmitter.
(3)The output of the antenna shall be connected to the measuring receiver and either a peak or quasi-peak detector was used for the measurement as indicated on the report. The detector selection is based on how close the emission level was approaching the limit.
(4)The transmitter shall be switched on; if possible, without the modulation and the measurement receiver shall be tuned to the frequency of the transmitter under test.
(5)The test antenna shall be raised and lowered through the specified range of height until the measuring receiver detects a maximum signal level.
(6)The transmitter shall than be rotated through 360°in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
(7)The test antenna shall be raised and lowered again through the specified range of height until the measuring receiver detects a maximum signal level.
(8)The maximum signal level detected by the measuring receiver shall be noted.
(9)The measurement shall be repeated with the test antenna set to horizontal polarization.
(10) Replace the antenna with a proper Antenna (substitution antenna).
(11)The substitution antenna shall be oriented for vertical polarization and, if necessary, the length of the substitution antenna shall be adjusted to correspond to the frequency of transmitting.
(12)The substitution antenna shall be connected to a calibrated signal generator.
(13)If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
(14)The test antenna shall be raised and lowered through the specified range of the height to ensure that the maximum signal is received.
(15)The input signal to substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuation setting of the measuring receiver.
(16)The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
(17)The measurement shall be repeated with the test antenna and the substitution antenna oriented for horizontal polarization.

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LTE Band 2-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3702.0	-55.07	-13	-42.07	-60.09	3.42	8.44	Horizontal	Pass
5553.0	-50.96	-13	-37.96	-57.17	4.24	10.45	Horizontal	Pass
7404.0	-48.19	-13	-35.19	-55.6	4.21	11.62	Horizontal	Pass
3702.0	-55.18	-13	-42.18	-60.2	3.42	8.44	Vertical	Pass
5553.0	-50.81	-13	-37.81	-57.02	4.24	10.45	Vertical	Pass
7404.0	-49.1	-13	-36.1	-56.51	4.21	11.62	Vertical	Pass

LTE Band 2-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3742.0	-55.98	-13	-42.98	-61.02	3.45	8.49	Horizontal	Pass
5613.0	-53.74	-13	-40.74	-59.95	4.24	10.45	Horizontal	Pass
7484.0	-47.64	-13	-34.64	-55.14	4.22	11.72	Horizontal	Pass
3742.0	-54.92	-13	-41.92	-59.96	3.45	8.49	Vertical	Pass
5613.0	-52.99	-13	-39.99	-59.2	4.24	10.45	Vertical	Pass
7484.0	-47.93	-13	-34.93	-55.43	4.22	11.72	Vertical	Pass

LTE Band 2-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3782.0	-55.51	-13	-42.51	-60.58	3.48	8.55	Horizontal	Pass
5673.0	-53.68	-13	-40.68	-59.9	4.23	10.45	Horizontal	Pass
7564.0	-47.89	-13	-34.89	-55.49	4.22	11.82	Horizontal	Pass
3782.0	-55.98	-13	-42.98	-61.05	3.48	8.55	Vertical	Pass
5673.0	-53.61	-13	-40.61	-59.83	4.23	10.45	Vertical	Pass
7564.0	-48.85	-13	-35.85	-56.45	4.22	11.82	Vertical	Pass

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LTE Band 4-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-56.74	-13	-43.74	-61.48	3.24	7.98	Horizontal	Pass
5133.0	-51.68	-13	-38.68	-57.65	4.25	10.22	Horizontal	Pass
6844.0	-49.57	-13	-36.57	-56.31	4.19	10.93	Horizontal	Pass
3422.0	-56.8	-13	-43.8	-61.54	3.24	7.98	Vertical	Pass
5133.0	-52.67	-13	-39.67	-58.64	4.25	10.22	Vertical	Pass
6844.0	-50.54	-13	-37.54	-57.28	4.19	10.93	Vertical	Pass

LTE Band 4-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3447.0	-55.54	-13	-42.54	-60.32	3.26	8.04	Horizontal	Pass
5170.5	-52.46	-13	-39.46	-58.46	4.25	10.25	Horizontal	Pass
6894.0	-50.64	-13	-37.64	-57.44	4.19	10.99	Horizontal	Pass
3447.0	-55.88	-13	-42.88	-60.66	3.26	8.04	Vertical	Pass
5170.5	-52.18	-13	-39.18	-58.18	4.25	10.25	Vertical	Pass
6894.0	-50.2	-13	-37.2	-57.0	4.19	10.99	Vertical	Pass

LTE Band 4-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-55.88	-13	-42.88	-60.71	3.27	8.1	Horizontal	Pass
5208.0	-52.43	-13	-39.43	-58.45	4.25	10.27	Horizontal	Pass
6944.0	-49.87	-13	-36.87	-56.74	4.19	11.06	Horizontal	Pass
3472.0	-55.21	-13	-42.21	-60.04	3.27	8.1	Vertical	Pass
5208.0	-51.62	-13	-38.62	-57.64	4.25	10.27	Vertical	Pass
6944.0	-49.38	-13	-36.38	-56.25	4.19	11.06	Vertical	Pass

LTE Band 5-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1649.0	-66.67	-13	-53.67	-70.07	2.1	5.5	Horizontal	Pass
2473.5	-60.0	-13	-47.0	-63.12	2.64	5.76	Horizontal	Pass
3298.0	-56.42	-13	-43.42	-60.92	3.16	7.66	Horizontal	Pass
1649.0	-66.71	-13	-53.71	-70.11	2.1	5.5	Vertical	Pass
2473.5	-60.34	-13	-47.34	-63.46	2.64	5.76	Vertical	Pass
3298.0	-55.9	-13	-42.9	-60.4	3.16	7.66	Vertical	Pass

LTE Band 5-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1664.0	-65.9	-13	-52.9	-69.26	2.11	5.47	Horizontal	Pass
2496.0	-59.14	-13	-46.14	-62.29	2.66	5.81	Horizontal	Pass
3328.0	-56.79	-13	-43.79	-61.35	3.18	7.74	Horizontal	Pass
1664.0	-65.96	-13	-52.96	-69.32	2.11	5.47	Vertical	Pass
2496.0	-59.1	-13	-46.1	-62.25	2.66	5.81	Vertical	Pass
3328.0	-56.2	-13	-43.2	-60.76	3.18	7.74	Vertical	Pass

LTE Band 5-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1679.0	-64.69	-13	-51.69	-67.99	2.13	5.43	Horizontal	Pass
2518.5	-62.32	-13	-49.32	-65.51	2.67	5.86	Horizontal	Pass
3358.0	-56.42	-13	-43.42	-61.04	3.2	7.82	Horizontal	Pass
1679.0	-64.39	-13	-51.39	-67.69	2.13	5.43	Vertical	Pass
2518.5	-62.83	-13	-49.83	-66.02	2.67	5.86	Vertical	Pass
3358.0	-55.02	-13	-42.02	-59.64	3.2	7.82	Vertical	Pass

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LTE Band 7-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5002.0	-53.21	-25	-28.21	-59.09	4.26	10.14	Horizontal	Pass
7503.0	-47.99	-25	-22.99	-55.51	4.22	11.74	Horizontal	Pass
10004.0	-46.92	-25	-21.92	-54.87	5.08	13.03	Horizontal	Pass
5002.0	-52.81	-25	-27.81	-58.69	4.26	10.14	Vertical	Pass
7503.0	-48.19	-25	-23.19	-55.71	4.22	11.74	Vertical	Pass
10004.0	-46.63	-25	-21.63	-54.58	5.08	13.03	Vertical	Pass

LTE Band 7-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5052.0	-53.06	-25	-28.06	-58.97	4.26	10.17	Horizontal	Pass
7578.0	-49.17	-25	-24.17	-56.78	4.22	11.83	Horizontal	Pass
10104.0	-45.78	-25	-20.78	-53.75	5.08	13.05	Horizontal	Pass
5052.0	-52.37	-25	-27.37	-58.28	4.26	10.17	Vertical	Pass
7578.0	-50.14	-25	-25.14	-57.75	4.22	11.83	Vertical	Pass
10104.0	-46.06	-25	-21.06	-54.03	5.08	13.05	Vertical	Pass

LTE Band 7-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5102.0	-52.8	-25	-27.8	-58.74	4.26	10.2	Horizontal	Pass
7653.0	-48.44	-25	-23.44	-56.13	4.23	11.92	Horizontal	Pass
10204.0	-47.96	-25	-22.96	-55.95	5.08	13.07	Horizontal	Pass
5102.0	-53.07	-25	-28.07	-59.01	4.26	10.2	Vertical	Pass
7653.0	-49.41	-25	-24.41	-57.1	4.23	11.92	Vertical	Pass
10204.0	-48.66	-25	-23.66	-56.65	5.08	13.07	Vertical	Pass

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LTE Band 12-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1399.0	-65.09	-13	-52.09	-68.4	1.93	5.24	Horizontal	Pass
2098.5	-64.57	-13	-51.57	-67.02	2.41	4.86	Horizontal	Pass
2798.0	-59.86	-13	-46.86	-63.5	2.84	6.48	Horizontal	Pass
1399.0	-64.05	-13	-51.05	-67.36	1.93	5.24	Vertical	Pass
2098.5	-64.21	-13	-51.21	-66.66	2.41	4.86	Vertical	Pass
2798.0	-60.42	-13	-47.42	-64.06	2.84	6.48	Vertical	Pass

LTE Band 12-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1406.0	-63.81	-13	-50.81	-67.16	1.93	5.28	Horizontal	Pass
2109.0	-63.62	-13	-50.62	-66.08	2.42	4.88	Horizontal	Pass
2812.0	-57.97	-13	-44.97	-61.63	2.85	6.51	Horizontal	Pass
1406.0	-64.11	-13	-51.11	-67.46	1.93	5.28	Vertical	Pass
2109.0	-62.98	-13	-49.98	-65.44	2.42	4.88	Vertical	Pass
2812.0	-58.7	-13	-45.7	-62.36	2.85	6.51	Vertical	Pass

LTE Band 12-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1413.0	-63.32	-13	-50.32	-66.71	1.94	5.33	Horizontal	Pass
2119.5	-61.78	-13	-48.78	-64.27	2.42	4.91	Horizontal	Pass
2826.0	-58.62	-13	-45.62	-62.3	2.86	6.54	Horizontal	Pass
1413.0	-63.32	-13	-50.32	-66.71	1.94	5.33	Vertical	Pass
2119.5	-62.65	-13	-49.65	-65.14	2.42	4.91	Vertical	Pass
2826.0	-58.17	-13	-45.17	-61.85	2.86	6.54	Vertical	Pass

LTE Band 13-Low channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1554.5	-66.51	-13	-53.51	-70.21	2.04	5.74	Horizontal	Pass
2331.75	-62.39	-13	-49.39	-65.25	2.56	5.42	Horizontal	Pass
3109.0	-55.44	-13	-42.44	-59.6	3.03	7.19	Horizontal	Pass
1554.5	-67.69	-13	-54.69	-71.39	2.04	5.74	Vertical	Pass
2331.75	-62.84	-13	-49.84	-65.7	2.56	5.42	Vertical	Pass
3109.0	-55.46	-13	-42.46	-59.62	3.03	7.19	Vertical	Pass

LTE Band 13-Middle channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1559.5	-65.88	-40	-25.88	-69.57	2.04	5.73	Horizontal	Pass
2339.25	-62.53	-13	-49.53	-65.4	2.56	5.43	Horizontal	Pass
3119.0	-55.86	-13	-42.86	-60.04	3.04	7.22	Horizontal	Pass
1559.5	-66.62	-40	-26.62	-70.31	2.04	5.73	Vertical	Pass
2339.25	-60.92	-13	-47.92	-63.79	2.56	5.43	Vertical	Pass
3119.0	-55.05	-13	-42.05	-59.23	3.04	7.22	Vertical	Pass

LTE Band 13-High channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1564.5	-63.74	-40	-23.74	-67.41	2.05	5.72	Horizontal	Pass
2346.75	-62.35	-13	-49.35	-65.24	2.56	5.45	Horizontal	Pass
3129.0	-56.1	-13	-43.1	-60.29	3.05	7.24	Horizontal	Pass
1564.5	-66.39	-40	-26.39	-70.06	2.05	5.72	Vertical	Pass
2346.75	-61.73	-13	-48.73	-64.62	2.56	5.45	Vertical	Pass
3129.0	-55.54	-13	-42.54	-59.73	3.05	7.24	Vertical	Pass

LTE Band 17-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1409.0	-63.58	-13	-50.58	-66.95	1.93	5.3	Horizontal	Pass
2113.5	-62.86	-13	-49.86	-65.33	2.42	4.89	Horizontal	Pass
2818.0	-57.93	-13	-44.93	-61.6	2.85	6.52	Horizontal	Pass
1409.0	-63.1	-13	-50.1	-66.47	1.93	5.3	Vertical	Pass
2113.5	-62.86	-13	-49.86	-65.33	2.42	4.89	Vertical	Pass
2818.0	-57.09	-13	-44.09	-60.76	2.85	6.52	Vertical	Pass

LTE Band 17-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1411.0	-64.14	-13	-51.14	-67.52	1.94	5.32	Horizontal	Pass
2116.5	-62.75	-13	-49.75	-65.23	2.42	4.9	Horizontal	Pass
2822.0	-58.32	-13	-45.32	-62.0	2.85	6.53	Horizontal	Pass
1411.0	-65.09	-13	-52.09	-68.47	1.94	5.32	Vertical	Pass
2116.5	-62.43	-13	-49.43	-64.91	2.42	4.9	Vertical	Pass
2822.0	-58.27	-13	-45.27	-61.95	2.85	6.53	Vertical	Pass

LTE Band 17-High channel, Modulation: QPSK, Bandwidth:150MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1413.0	-62.98	-13	-49.98	-66.37	1.94	5.33	Horizontal	Pass
2119.5	-62.09	-13	-49.09	-64.58	2.42	4.91	Horizontal	Pass
2826.0	-58.12	-13	-45.12	-61.8	2.86	6.54	Horizontal	Pass
1413.0	-64.46	-13	-51.46	-67.85	1.94	5.33	Vertical	Pass
2119.5	-62.39	-13	-49.39	-64.88	2.42	4.91	Vertical	Pass
2826.0	-56.84	-13	-43.84	-60.52	2.86	6.54	Vertical	Pass

LTE Band 25-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3702.0	-55.19	-13	-42.19	-60.21	3.42	8.44	Horizontal	Pass
5553.0	-52.7	-13	-39.7	-58.91	4.24	10.45	Horizontal	Pass
7404.0	-48.45	-13	-35.45	-55.86	4.21	11.62	Horizontal	Pass
3702.0	-55.18	-13	-42.18	-60.2	3.42	8.44	Vertical	Pass
5553.0	-52.34	-13	-39.34	-58.55	4.24	10.45	Vertical	Pass
7404.0	-48.15	-13	-35.15	-55.56	4.21	11.62	Vertical	Pass

LTE Band 25-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3747.0	-55.74	-13	-42.74	-60.79	3.45	8.5	Horizontal	Pass
5620.5	-52.78	-13	-39.78	-58.99	4.24	10.45	Horizontal	Pass
7494.0	-47.67	-13	-34.67	-55.18	4.22	11.73	Horizontal	Pass
3747.0	-55.65	-13	-42.65	-60.7	3.45	8.5	Vertical	Pass
5620.5	-52.55	-13	-39.55	-58.76	4.24	10.45	Vertical	Pass
7494.0	-47.49	-13	-34.49	-55.0	4.22	11.73	Vertical	Pass

LTE Band 25-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3792.0	-56.25	-13	-43.25	-61.33	3.48	8.56	Horizontal	Pass
5688.0	-52.48	-13	-39.48	-58.7	4.23	10.45	Horizontal	Pass
7584.0	-49.44	-13	-36.44	-57.06	4.22	11.84	Horizontal	Pass
3792.0	-55.24	-13	-42.24	-60.32	3.48	8.56	Vertical	Pass
5688.0	-52.14	-13	-39.14	-58.36	4.23	10.45	Vertical	Pass
7584.0	-48.5	-13	-35.5	-56.12	4.22	11.84	Vertical	Pass

LTE Band 26-Low channel, Modulation: QPSK, Bandwidth:15MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1643.0	-64.63	-13	-51.63	-68.05	2.1	5.52	Horizontal	Pass
2464.5	-62.66	-13	-49.66	-65.75	2.64	5.73	Horizontal	Pass
3296.0	-56.71	-13	-43.71	-61.21	3.16	7.66	Horizontal	Pass
1643.0	-66.07	-13	-53.07	-69.49	2.1	5.52	Vertical	Pass
2464.5	-62.23	-13	-49.23	-65.32	2.64	5.73	Vertical	Pass
3296.0	-56.52	-13	-43.52	-61.02	3.16	7.66	Vertical	Pass

LTE Band 26-Middle channel, Modulation: QPSK, Bandwidth:15MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1662.0	-64.08	-13	-51.08	-67.44	2.11	5.47	Horizontal	Pass
2493.0	-59.87	-13	-46.87	-63.01	2.66	5.8	Horizontal	Pass
3324.0	-56.08	-13	-43.08	-60.64	3.17	7.73	Horizontal	Pass
1662.0	-64.12	-13	-51.12	-67.48	2.11	5.47	Vertical	Pass
2493.0	-59.41	-13	-46.41	-62.55	2.66	5.8	Vertical	Pass
3324.0	-55.69	-13	-42.69	-60.25	3.17	7.73	Vertical	Pass

LTE Band 26-High channel, Modulation: QPSK, Bandwidth:15MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1683.0	-63.58	-13	-50.58	-66.87	2.13	5.42	Horizontal	Pass
2524.5	-61.6	-13	-48.6	-64.8	2.67	5.87	Horizontal	Pass
3366.0	-56.08	-13	-43.08	-60.72	3.2	7.84	Horizontal	Pass
1683.0	-64.83	-13	-51.83	-68.12	2.13	5.42	Vertical	Pass
2524.5	-61.64	-13	-48.64	-64.84	2.67	5.87	Vertical	Pass
3366.0	-55.81	-13	-42.81	-60.45	3.2	7.84	Vertical	Pass

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LTE Band 66-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-55.44	-13	-42.44	-60.18	3.24	7.98	Horizontal	Pass
5133.0	-51.53	-13	-38.53	-57.5	4.25	10.22	Horizontal	Pass
6844.0	-50.11	-13	-37.11	-56.85	4.19	10.93	Horizontal	Pass
3422.0	-56.89	-13	-43.89	-61.63	3.24	7.98	Vertical	Pass
5133.0	-52.41	-13	-39.41	-58.38	4.25	10.22	Vertical	Pass
6844.0	-50.54	-13	-37.54	-57.28	4.19	10.93	Vertical	Pass

LTE Band 66-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-55.83	-13	-42.83	-60.66	3.27	8.1	Horizontal	Pass
5208.0	-51.92	-13	-38.92	-57.94	4.25	10.27	Horizontal	Pass
6944.0	-50.09	-13	-37.09	-56.96	4.19	11.06	Horizontal	Pass
3472.0	-55.51	-13	-42.51	-60.34	3.27	8.1	Vertical	Pass
5208.0	-52.68	-13	-39.68	-58.7	4.25	10.27	Vertical	Pass
6944.0	-49.46	-13	-36.46	-56.33	4.19	11.06	Vertical	Pass

LTE Band 66-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3522.0	-57.41	-13	-44.41	-62.31	3.3	8.2	Horizontal	Pass
5283.0	-52.09	-13	-39.09	-58.16	4.25	10.32	Horizontal	Pass
7044.0	-49.2	-13	-36.2	-56.19	4.19	11.18	Horizontal	Pass
3522.0	-56.66	-13	-43.66	-61.56	3.3	8.2	Vertical	Pass
5283.0	-51.58	-13	-38.58	-57.65	4.25	10.32	Vertical	Pass
7044.0	-48.87	-13	-35.87	-55.86	4.19	11.18	Vertical	Pass

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LTE Band 71-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1328.0	-60.51	-13	-47.51	-63.42	1.88	4.79	Horizontal	Pass
1992.0	-61.59	-13	-48.59	-63.89	2.34	4.64	Horizontal	Pass
2656.0	-57.59	-13	-44.59	-61.0	2.75	6.16	Horizontal	Pass
1328.0	-60.27	-13	-47.27	-63.18	1.88	4.79	Vertical	Pass
1992.0	-61.48	-13	-48.48	-63.78	2.34	4.64	Vertical	Pass
2656.0	-56.64	-13	-43.64	-60.05	2.75	6.16	Vertical	Pass

LTE Band 71-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1348.0	-66.47	-13	-53.47	-69.5	1.89	4.92	Horizontal	Pass
2022.0	-61.43	-13	-48.43	-63.74	2.36	4.67	Horizontal	Pass
2696.0	-57.46	-13	-44.46	-60.93	2.78	6.25	Horizontal	Pass
1348.0	-66.04	-13	-53.04	-69.07	1.89	4.92	Vertical	Pass
2022.0	-61.87	-13	-48.87	-64.18	2.36	4.67	Vertical	Pass
2696.0	-57.07	-13	-44.07	-60.54	2.78	6.25	Vertical	Pass

LTE Band 71-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1358.0	-60.21	-13	-47.21	-63.29	1.9	4.98	Horizontal	Pass
2037.0	-61.51	-13	-48.51	-63.85	2.37	4.71	Horizontal	Pass
2716.0	-57.96	-13	-44.96	-61.47	2.79	6.3	Horizontal	Pass
1358.0	-61.23	-13	-48.23	-64.31	1.9	4.98	Vertical	Pass
2037.0	-61.39	-13	-48.39	-63.73	2.37	4.71	Vertical	Pass
2716.0	-57.24	-13	-44.24	-60.75	2.79	6.3	Vertical	Pass

Note: All modes have been tested and we found QPSK test mode has the worst test result. Only record the worst test result.

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7 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2506002766AT.

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8 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2506002766AT

- End of the Report -

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