

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600003902

Page: 1 of 42

TEST REPORT

Application No.: FYCR2606000039AT
Applicant: Telit Communications S.p.A.
Address of Applicant: Via Stazione Di Prosecco 5/B, Sgonico, 34010, Trieste, Italy
Manufacturer: Telit Communications S.p.A.
Address of Manufacturer: Via Stazione Di Prosecco 5/B, Sgonico, 34010, Trieste, Italy
Equipment Under Test (EUT):
EUT Name: 5G Radio Module
Model No.: CMB100D0-WW
Trade Mark: Telit Cinterion
FCC ID: RI7FE910C04WW
Standard(s) : 47 CFR Part 2
47 CFR Part 22
47 CFR Part 24
47 CFR Part 27
47 CFR Part 90
47 CFR Part 96
Date of Receipt: 2026-06-02
Date of Test: 2026-06-03 to 2026-08-14
Date of Issue: 2026-08-17

Test Result:	Pass
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* In the configuration tested, the EUT complied with the standards specified above.



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2026-08-17		Original

Authorized for issue by:				
		Byron Liang		
		Byron Liang/Project Engineer		
		Tree Zhan		
		Tree Zhan/Reviewer		



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2 Test Summary

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Power	§2.1046 §22.913 §24.232 §27.50(a) §27.50(b) §27.50(c) §27.50(d) §27.50(h) §27.50(j) §27.50(k) §90.542(a) §90.635 §96.41(b)	ERP≤ 7W(LTE Band 5, 26b) EIRP≤ 2W(LTE Band 2, 25) EIRP≤ 250mW/5MHz(LTE Band 30) ERP≤ 3W(LTE Band 13) ERP≤ 3W(LTE Band 12,17,71) EIRP≤ 1W(LTE Band 4,66,70) EIRP≤ 2W(LTE Band 7,38,41) EIRP ≤ 1W(LTE Band 43b) EIRP≤ 1W(LTE Band 42a) ERP ≤ 3 W(LTE Band 14) ERP≤ 100W(LTE Band 26a,106) EIRP≤ 23dBm/10MHz(LTE Band 42b/43a/48)	PASS
Field strength of spurious radiation	§2.1051 §22.917 §24.238 §27.50(c) §27.50(g) §27.50(h) §27.50(m) §27.53(a) §27.53(m) §27.53(n) §90.543(e) §90.691(a) §96.41(e)	≤ -13dBm (LTE Band5,26b) ≤ -13dBm (LTE Band2,25) Refer to clause 6.2 for LTE Band13 ≤ -13dBm (LTE Band12,17,71) ≤ -13dBm (LTE Band4,66,70) Refer to clause 6.2 for LTE Band7,38,41 Refer to clause 6.2 for LTE Band30 ≤ -13dBm LTE Band43b ≤ -13dBm LTE Band42a Refer to clause 6.2 for LTE Band14 Refer to clause 6.2 for LTE Band26a,106 Refer to clause 6.2 for LTE Band42b/43a/48	PASS

Note: b26a=814-824MHz, b26b=824-849MHz, b42a=3450-3550MHz, b42b=3550-3600MHz, b43a=3600-3700MHz, b43b=3700-3800MHz.

47 CFR Part 2 is not accredited by A2LA.

The Module FE910C04-WW has been certified, and the report number is TERF2503001150ER & TERF2503001152ER issued by SGS Taiwan Ltd. Central RF Lab.(TAF code 3702)

(Test Report No.: TERF2503001150ER & TERF2503001152ER, which is scope in A2LA accredited Certificate Number:TW3702, and not accredited by CNAS).

Remark:

This report is based on a certified module to add digital circuitry for non-RF part. Therefore, only field strength of spurious radiation was re-tested. And in order to comply with EIRP requirement, RF power was reduced and retested for band 30,42,43,48. The module report number: TERF2503001150ER & TERF2503001152ER, FCC ID: RI7FE910C04WW, which is granted on 07/14/2025.



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC3.8V
Sample Type:	Mobile product
LTE Operation Frequency Band:	LTE Band 2,4,5,7,12,13,14,17,25,26,30, 38,41,42,43,48,66,70, 71,106
Modulation Type:	QPSK, 16QAM, 64QAM, 256QAM
Antenna Type:	External Antenna
Antenna name:	Apex Hinged TG.30
Trade Mark:	TAOGLAS
Antenna Gain:	LTE B2:3.91dBi; B4:3.91dBi; B5:2.66dBi; B7:4.67dBi; B12:2.66dBi; B13:2.66dBi; B14:2.66dBi; B17:2.66dBi; B25:3.91dBi; B26:2.66dBi; B30: 3.63dBi; B38:4.67dBi; B41:4.67dBi; B42:4.2dBi; B43:4.2dBi; B48: 4.2dBi; B66:3.91dBi; B70: 3.91dBi; B71:2.66dBi; B106: 2.66dBi For frequency below 1GHz: 0.25dB
Antenna cable loss for final EIRP:	For frequency from 1GHz to 2GHz: 0.5dB For frequency from 2GHz to 3GHz: 0.8dB For frequency above 3GHz: 0.9dB

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

Nano SIM version was selected for RF test.



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4.2 Test Frequency

Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE 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 Band 4	1.4	1710.7	1732.5	1754.3
	3	1711.5	1732.5	1753.5
	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 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 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 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 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 Band 14	5	790.5	793.0	795.5
	10	/	793.0	/
Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE 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 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



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		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE 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 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 Band 30	10	2307.5	2310.0	2312.5
	15	/	2310.0	/
Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 38	5	2572.5	2595.0	2617.5
	10	2575.0	2595.0	2615.0
	15	2577.5	2595.0	2612.5
	20	2580.0	2595.0	2610.0
Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 41	5	2498.5	2593.0	2687.5
	10	2501.0	2593.0	2685.0
	15	2503.5	2593.0	2682.5
	20	2506.0	2593.0	2680.0



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		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 42a	5	3452.5	3500.0	3547.5
	10	3455.0	3500.0	3545.0
	15	3457.5	3500.0	3542.5
	20	3460.0	3500.0	3540.0
Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 42b	5	3552.5	3575.0	3597.5
	10	3555.0	3575.0	3595.0
	15	3557.5	3575.0	3592.5
	20	3560.0	3575.0	3590.0
Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 43a	5	3602.5	3650.0	3697.5
	10	3605.0	3650.0	3695.0
	15	3607.5	3650.0	3692.5
	20	3610.0	3650.0	3690.0
Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 43b	5	3702.5	3750.0	3797.5
	10	3705.0	3750.0	3795.0
	15	3707.5	3750.0	3792.5
	20	3710.0	3750.0	3790.0
Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 48	5	3552.5	3625.0	3697.5
	10	3555.0	3625.0	3695.0
	15	3557.5	3625.0	3692.5
	20	3560.0	3625.0	3690.0



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Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE 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 Band 70	5	1697.5	1702.5	1707.5
	10	1700.0	1702.5	1705.0
	15	/	1702.5	/
Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE 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
Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 106	1.4	898.2	899.0	899.8
	3	/	899.0	/



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4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Debug board	Telit	E465731	--

4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radiated Spurious emission test	± 5.7dB (Below 1GHz)
		± 4.7dB (Above 1GHz)
2	RF conducted power	± 0.8dB
3	Temperature test	± 1°C
4	Humidity test	± 3%
5	Supply voltages	± 1.5%
6	Time	± 3%



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4.5 Test Location

All tests were performed at:

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Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 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. 6606.01)

Compliance Certification Services (Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 6606.01.

• FCC –Designation Number: CN1322

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

• Innovation, Science and Economic Development Canada

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

RF Conducted Test					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	CRT	N/A	SEM001-14	2025-10-13	2028-10-12
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2026-02-04	2027-02-03
MXA Signal Analyzer(10Hz-50GHz)	KEYSIGHT	N9020B	SEM004-24	2026-02-03	2027-02-02
MXA Signal Analyzer(20Hz-26.5GHz)	KEYSIGHT	N9020A	SEM004-25	2026-02-03	2027-02-02
Measurement Software	TST PASS	TST PASS V2.0	N/A	NCR	NCR
Coaxial Cable	SGS	N/A	SEM037-01	2026-05-12	2027-05-11
Manual Step Attenuator	Agilent	8494B	SEM021-05	2026-02-02	2027-02-01
Manual Step Attenuator	Agilent	8496B	SEM021-06	2026-02-02	2027-02-01
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2026-02-03	2027-02-02
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2026-02-03	2027-02-02
Radio Communication Analyzer	Anritsu	MT8821C	SEM010-04	2026-02-04	2027-02-03
Radio Communication Test Station	Anritsu	MT8000A	SZ-WRG-M-013	2026-04-28	2027-04-27
DC Power Supply	Chroma	62024P-80-60	SEM011-09	2026-02-05	2027-02-04

Radiated Emissions					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Semi- Anechoic Chambe	CRT	N/A	SEM001-13	2025-10-13	2028-10-12
MXE EMI receiver(20Hz-8.4GHz)	Agilent	N9038A	SEM004-05	2025-07-21 2026-07-03	2026-07-20 2027-07-02
Trilog-Broadband Antenna(25MHz-2GHz)	Schwarzbeck	VULB9168	SEM003-33	2023-09-24	2026-09-23
Pre-Amplifier	HP	8447D	SEM005-02	2025-07-21 2026-07-07	2026-07-20 2027-07-06
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM035-01	2026-05-12	2027-05-11
Biconical Antenna	Schwarzbeck	VUBA9117	SEM003-20	2025-12-23	2028-12-22
Signal Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2026-02-04	2027-02-03
Horn Antenna	Schwarzbeck	BBHA 9120 D	SEM003-54	2025-05-24	2028-05-23



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Double-ridged waveguide horn	ETS-LINDGREN	3117	SEM003-11	2025-09-13	2028-09-12
Broad-Band Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2025-07-29	2028-07-28
Pre-amplifier(0.4GHz-8GHz)	TST	LNA04080G30	SEM005-27	2026-02-05	2027-02-04
Pre-amplifier(1GHz-18GHz)	TST	LNA10180G45	SEM005-28	2026-02-05	2027-02-04
Pre-amplifier(18GHz-40GHz)	TST	LNA180400G40	SEM005-39	2026-04-29	2027-04-28
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Signal Generator(9kHz-40GHz)	N5173B	MY53270267	Agilent	2025-09-10	2026-09-09
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2026-02-03	2027-02-02

General used equipment

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-52	2025-07-23 2026-07-08	2026-07-22 2027-07-07
Humidity/ Temperature Indicator	deli	8838	SEM002-53	2025-07-23 2026-07-08	2026-07-22 2027-07-07
Barometer	DUMAI	DYM3	SEM002-24	2026-02-14	2027-02-13



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6 Radio Spectrum Matter Test Results

6.1 Effective (Isotropic) Radiated Output Power Data

Test Requirement: §2.1046, §22.913, §24.232, §27.50(a), §27.50(b), §27.50(c), §27.50(d), §27.50(h), §27.50(j), §27.50(k), §90.542(a), §90.635, §96.41(b)

Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01

Limit:

- ERP ≤ 7W(LTE Band 5, 26b)
- EIRP ≤ 2W(LTE Band 2, 25)
- EIRP ≤ 250mW/5MHz(LTE Band 30)
- ERP ≤ 3W(LTE Band 13)
- ERP ≤ 3W(LTE Band 12,17,71)
- EIRP ≤ 1W(LTE Band 4,66,70)
- EIRP ≤ 2W(LTE Band 7,38,41)
- EIRP ≤ 1W(LTE Band 43b)
- EIRP ≤ 1W(LTE Band 42a)
- ERP ≤ 3 W(LTE Band 14)
- ERP ≤ 100W(LTE Band 26a,106)
- EIRP ≤ 23dBm/10MHz(LTE Band 42b/43a/48)

Test Engineer: Fly Yan

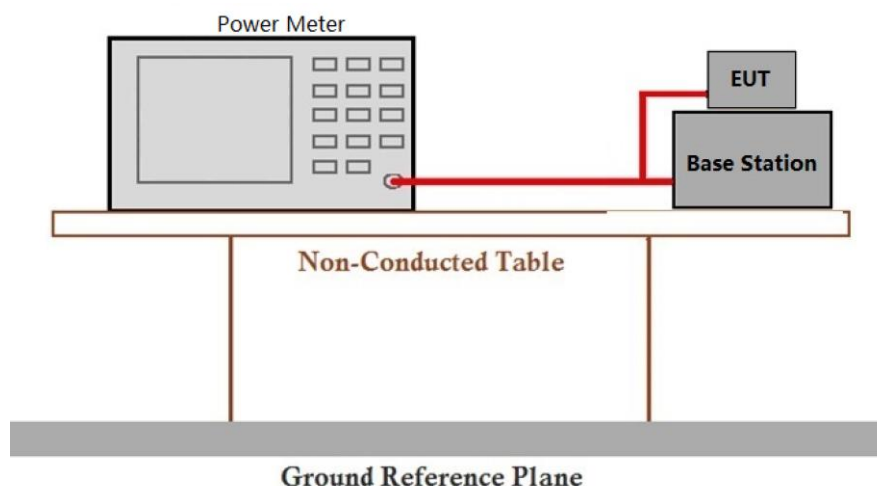
6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1010 mbar

Test mode 30: Tx mode, Keep the EUT in transmitting mode.

6.1.2 Test Setup Diagram



6.1.3 Measurement Data

Please refer to Appendix for LTE test data.



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6.2 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), §27.53(a), §27.53(m), §27.53(n), §90.543(e), §90.691(a), §96.41(e)

Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01

Limit: ≤ -13dBm (**LTE Band2, 4, 5, 12, 17, 25, 26b, 42a, 43b, 66, 70, 71,106**)
For **band 13**:

(1) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;

(2) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations

For **Band 14**:

On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.

For operations in the 758–775 MHz and 788–805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/MHz(-40dBm/MHz) equivalent isotropically radiated power (EIRP) for wideband signals.

For **Band26a**:

For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

For **Band7,38,41**:

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

For **Band30**:

(i) By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 and 2337 MHz;



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(ii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log (P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log (P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log (P)$ dB below 2288 MHz;

(iii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.

For **Band42b/43a/48**:

Emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz)

At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed -25 dBm/MHz

Emissions below 3530MHz or above 3720 MHz shall not exceed -40dBm/MHz

Test Engineer:

Fly Yan

6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 21.0 °C Humidity: 53.0 % RH Atmospheric Pressure: 1010 mbar

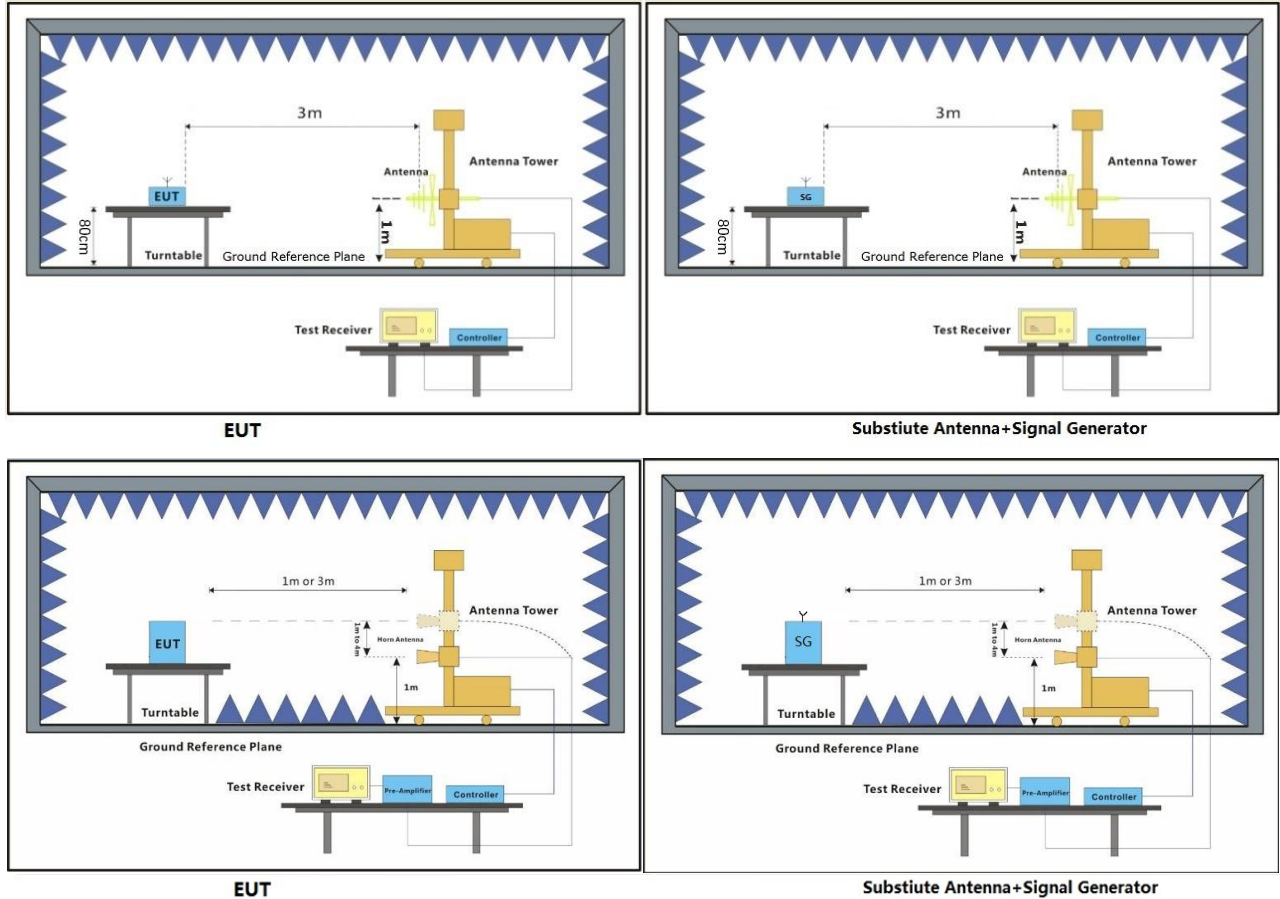
Test mode 30: Tx mode, Keep the EUT in transmitting mode.



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6.2.2 Test Setup Diagram



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6.2.3 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 then 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	-65.28	-13.00	-52.28	-69.53	4.54	8.79	Horizontal	Pass
5553.0	-62.69	-13.00	-49.69	-65.19	6.02	8.52	Horizontal	Pass
7404.0	-61.99	-13.00	-48.99	-66.48	6.03	10.52	Horizontal	Pass
3702.0	-63.82	-13.00	-50.82	-68.07	4.54	8.79	Vertical	Pass
5553.0	-62.83	-13.00	-49.83	-65.33	6.02	8.52	Vertical	Pass
7404.0	-61.72	-13.00	-48.72	-66.21	6.03	10.52	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	-65.46	-13.00	-52.46	-69.46	4.55	8.55	Horizontal	Pass
5613.0	-62.87	-13.00	-49.87	-65.69	6.00	8.82	Horizontal	Pass
7484.0	-60.63	-13.00	-47.63	-65.42	6.01	10.80	Horizontal	Pass
3742.0	-63.06	-13.00	-50.06	-67.06	4.55	8.55	Vertical	Pass
5613.0	-62.58	-13.00	-49.58	-65.40	6.00	8.82	Vertical	Pass
7484.0	-60.19	-13.00	-47.19	-64.98	6.01	10.80	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	-65.67	-13.00	-52.67	-69.74	4.56	8.63	Horizontal	Pass
5673.0	-63.03	-13.00	-50.03	-65.56	5.98	8.51	Horizontal	Pass
7564.0	-59.95	-13.00	-46.95	-64.82	6.01	10.88	Horizontal	Pass
3782.0	-65.49	-13.00	-52.49	-69.56	4.56	8.63	Vertical	Pass
5673.0	-62.61	-13.00	-49.61	-65.14	5.98	8.51	Vertical	Pass
7564.0	-60.28	-13.00	-47.28	-65.15	6.01	10.88	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	-61.62	-13.00	-48.62	-65.87	4.41	8.66	Horizontal	Pass
5133.0	-63.14	-13.00	-50.14	-66.04	5.63	8.53	Horizontal	Pass
6844.0	-62.43	-13.00	-49.43	-66.68	6.07	10.32	Horizontal	Pass
3422.0	-62.77	-13.00	-49.77	-67.02	4.41	8.66	Vertical	Pass
5133.0	-63.22	-13.00	-50.22	-66.12	5.63	8.53	Vertical	Pass
6844.0	-62.33	-13.00	-49.33	-66.58	6.07	10.32	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	-64.37	-13.00	-51.37	-68.54	4.44	8.61	Horizontal	Pass
5170.5	-62.91	-13.00	-49.91	-65.70	5.67	8.46	Horizontal	Pass
6894.0	-62.30	-13.00	-49.30	-67.05	6.08	10.83	Horizontal	Pass
3447.0	-67.08	-13.00	-54.08	-71.25	4.44	8.61	Vertical	Pass
5170.5	-62.96	-13.00	-49.96	-65.75	5.67	8.46	Vertical	Pass
6894.0	-62.48	-13.00	-49.48	-67.23	6.08	10.83	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	-67.21	-13.00	-54.21	-71.48	4.46	8.73	Horizontal	Pass
5208.0	-63.02	-13.00	-50.02	-65.74	5.71	8.43	Horizontal	Pass
6944.0	-62.11	-13.00	-49.11	-66.57	6.09	10.55	Horizontal	Pass
3472.0	-67.09	-13.00	-54.09	-71.36	4.46	8.73	Vertical	Pass
5208.0	-63.11	-13.00	-50.11	-65.83	5.71	8.43	Vertical	Pass
6944.0	-62.35	-13.00	-49.35	-66.81	6.09	10.55	Vertical	Pass



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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	-61.32	-13.00	-48.32	-63.37	3.64	5.69	Horizontal	Pass
2473.5	-55.39	-13.00	-42.39	-58.79	3.78	7.18	Horizontal	Pass
3298.0	-66.82	-13.00	-53.82	-71.32	4.28	8.78	Horizontal	Pass
1649.0	-55.54	-13.00	-42.54	-57.59	3.64	5.69	Vertical	Pass
2473.5	-51.09	-13.00	-38.09	-54.49	3.78	7.18	Vertical	Pass
3298.0	-66.51	-13.00	-53.51	-71.01	4.28	8.78	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	-60.63	-13.00	-47.63	-62.75	3.64	5.76	Horizontal	Pass
2496.0	-53.74	-13.00	-40.74	-57.41	3.78	7.45	Horizontal	Pass
3328.0	-66.71	-13.00	-53.71	-71.20	4.31	8.80	Horizontal	Pass
1664.0	-54.32	-13.00	-41.32	-56.44	3.64	5.76	Vertical	Pass
2496.0	-51.84	-13.00	-38.84	-55.51	3.78	7.45	Vertical	Pass
3328.0	-66.88	-13.00	-53.88	-71.37	4.31	8.80	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	-62.01	-13.00	-49.01	-64.18	3.65	5.82	Horizontal	Pass
2518.5	-54.66	-13.00	-41.66	-58.38	3.78	7.50	Horizontal	Pass
3358.0	-67.00	-13.00	-54.00	-71.43	4.35	8.78	Horizontal	Pass
1679.0	-57.93	-13.00	-44.93	-60.10	3.65	5.82	Vertical	Pass
2518.5	-50.50	-13.00	-37.50	-54.22	3.78	7.50	Vertical	Pass
3358.0	-66.64	-13.00	-53.64	-71.07	4.35	8.78	Vertical	Pass



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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	-62.13	-25.00	-37.13	-64.67	5.48	8.02	Horizontal	Pass
7503.0	-60.05	-25.00	-35.05	-64.84	6.01	10.80	Horizontal	Pass
10004.0	-55.96	-25.00	-30.96	-61.44	6.42	11.90	Horizontal	Pass
5002.0	-61.15	-25.00	-36.15	-63.69	5.48	8.02	Vertical	Pass
7503.0	-60.26	-25.00	-35.26	-65.05	6.01	10.80	Vertical	Pass
10004.0	-56.72	-25.00	-31.72	-62.20	6.42	11.90	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	-63.13	-25.00	-38.13	-66.00	5.54	8.41	Horizontal	Pass
7578.0	-59.95	-25.00	-34.95	-64.91	6.01	10.97	Horizontal	Pass
10104.0	-56.92	-25.00	-31.92	-62.50	6.44	12.02	Horizontal	Pass
5052.0	-62.85	-25.00	-37.85	-65.72	5.54	8.41	Vertical	Pass
7578.0	-59.95	-25.00	-34.95	-64.91	6.01	10.97	Vertical	Pass
10104.0	-56.76	-25.00	-31.76	-62.34	6.44	12.02	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	-63.53	-25.00	-38.53	-66.54	5.59	8.60	Horizontal	Pass
7653.0	-60.01	-25.00	-35.01	-65.12	6.00	11.11	Horizontal	Pass
10204.0	-56.53	-25.00	-31.53	-62.56	6.46	12.49	Horizontal	Pass
5102.0	-63.41	-25.00	-38.41	-66.42	5.59	8.60	Vertical	Pass
7653.0	-60.54	-25.00	-35.54	-65.65	6.00	11.11	Vertical	Pass
10204.0	-56.94	-25.00	-31.94	-62.97	6.46	12.49	Vertical	Pass



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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	-59.75	-13.00	-46.75	-59.64	3.50	3.39	Horizontal	Pass
2098.5	-64.97	-13.00	-51.97	-67.58	3.78	6.39	Horizontal	Pass
2798.0	-64.52	-13.00	-51.52	-68.62	3.90	8.00	Horizontal	Pass
1399.0	-58.38	-13.00	-45.38	-58.27	3.50	3.39	Vertical	Pass
2098.5	-58.72	-13.00	-45.72	-61.33	3.78	6.39	Vertical	Pass
2798.0	-63.20	-13.00	-50.20	-67.30	3.90	8.00	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	-64.94	-13.00	-51.94	-64.87	3.51	3.44	Horizontal	Pass
2109.0	-70.04	-13.00	-57.04	-72.62	3.78	6.36	Horizontal	Pass
2812.0	-65.20	-13.00	-52.20	-69.32	3.90	8.02	Horizontal	Pass
1406.0	-61.77	-13.00	-48.77	-61.70	3.51	3.44	Vertical	Pass
2109.0	-58.64	-13.00	-45.64	-61.22	3.78	6.36	Vertical	Pass
2812.0	-64.30	-13.00	-51.30	-68.42	3.90	8.02	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	-63.19	-13.00	-50.19	-63.16	3.51	3.48	Horizontal	Pass
2119.5	-69.69	-13.00	-56.69	-72.23	3.78	6.32	Horizontal	Pass
2826.0	-66.03	-13.00	-53.03	-70.17	3.91	8.05	Horizontal	Pass
1413.0	-62.42	-13.00	-49.42	-62.39	3.51	3.48	Vertical	Pass
2119.5	-57.64	-13.00	-44.64	-60.18	3.78	6.32	Vertical	Pass
2826.0	-65.26	-13.00	-52.26	-69.40	3.91	8.05	Vertical	Pass



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LTE Band 13-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
1555.0	-51.59	-13.00	-38.59	-52.84	3.60	4.85	Horizontal	Pass
2332.5	-49.37	-13.00	-36.37	-52.12	3.78	6.53	Horizontal	Pass
3110.0	-66.42	-13.00	-53.42	-70.79	4.09	8.46	Horizontal	Pass
1555.0	-52.23	-13.00	-39.23	-53.48	3.60	4.85	Vertical	Pass
2332.5	-48.79	-13.00	-35.79	-51.54	3.78	6.53	Vertical	Pass
3110.0	-66.37	-13.00	-53.37	-70.74	4.09	8.46	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	-52.45	-13.00	-39.45	-53.70	3.60	4.85	Horizontal	Pass
2331.8	-50.41	-13.00	-37.41	-53.16	3.78	6.53	Horizontal	Pass
3109.0	-65.39	-13.00	-52.39	-69.75	4.09	8.45	Horizontal	Pass
1554.5	-53.11	-13.00	-40.11	-54.36	3.60	4.85	Vertical	Pass
2331.8	-48.07	-13.00	-35.07	-50.82	3.78	6.53	Vertical	Pass
3109.0	-65.72	-13.00	-52.72	-70.08	4.09	8.45	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	-50.83	-40.00	-10.83	-52.13	3.60	4.90	Horizontal	Pass
2339.2	-50.84	-13.00	-37.84	-53.62	3.78	6.56	Horizontal	Pass
3119.0	-66.46	-13.00	-53.46	-70.87	4.10	8.51	Horizontal	Pass
1559.5	-52.99	-40.00	-12.99	-54.29	3.60	4.90	Vertical	Pass
2339.2	-47.12	-13.00	-34.12	-49.90	3.78	6.56	Vertical	Pass
3119.0	-66.53	-13.00	-53.53	-70.94	4.10	8.51	Vertical	Pass



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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	-52.56	-40.00	-12.56	-53.90	3.60	4.94	Horizontal	Pass
2346.8	-47.60	-13.00	-34.60	-50.41	3.78	6.59	Horizontal	Pass
3129.0	-66.93	-13.00	-53.93	-71.39	4.11	8.57	Horizontal	Pass
1564.5	-54.83	-40.00	-14.83	-56.17	3.60	4.94	Vertical	Pass
2346.8	-47.75	-13.00	-34.75	-50.56	3.78	6.59	Vertical	Pass
3129.0	-66.96	-13.00	-53.96	-71.42	4.11	8.57	Vertical	Pass

LTE Band 14-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
1577.0	-53.33	-40.00	-13.33	-54.79	3.61	5.07	Horizontal	Pass
2365.5	-47.64	-13.00	-34.64	-50.65	3.78	6.79	Horizontal	Pass
3154.0	-66.67	-13.00	-53.67	-71.23	4.14	8.70	Horizontal	Pass
1577.0	-52.54	-40.00	-12.54	-54.00	3.61	5.07	Vertical	Pass
2365.5	-47.77	-13.00	-34.77	-50.78	3.78	6.79	Vertical	Pass
3154.0	-66.30	-13.00	-53.30	-70.86	4.14	8.70	Vertical	Pass

LTE Band 14-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
1576.5	-51.04	-40.00	-11.04	-52.49	3.61	5.06	Horizontal	Pass
2364.8	-49.87	-13.00	-36.87	-52.87	3.78	6.78	Horizontal	Pass
3153.0	-66.34	-13.00	-53.34	-70.90	4.14	8.70	Horizontal	Pass
1576.5	-52.38	-40.00	-12.38	-53.83	3.61	5.06	Vertical	Pass
2364.8	-46.75	-13.00	-33.75	-49.75	3.78	6.78	Vertical	Pass
3153.0	-66.09	-13.00	-53.09	-70.65	4.14	8.70	Vertical	Pass



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LTE Band 14-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
1581.5	-53.16	-40.00	-13.16	-54.67	3.61	5.12	Horizontal	Pass
2372.2	-50.96	-13.00	-37.96	-54.05	3.78	6.87	Horizontal	Pass
3163.0	-66.76	-13.00	-53.76	-71.31	4.15	8.70	Horizontal	Pass
1581.5	-52.84	-40.00	-12.84	-54.35	3.61	5.12	Vertical	Pass
2372.2	-46.91	-13.00	-33.91	-50.00	3.78	6.87	Vertical	Pass
3163.0	-66.49	-13.00	-53.49	-71.04	4.15	8.70	Vertical	Pass

LTE Band 14-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
1586.5	-51.02	-40.00	-11.02	-52.58	3.61	5.17	Horizontal	Pass
2379.8	-50.95	-13.00	-37.95	-54.13	3.78	6.96	Horizontal	Pass
3173.0	-66.42	-13.00	-53.42	-70.96	4.16	8.70	Horizontal	Pass
1586.5	-51.21	-40.00	-11.21	-52.77	3.61	5.17	Vertical	Pass
2379.8	-47.77	-13.00	-34.77	-50.95	3.78	6.96	Vertical	Pass
3173.0	-66.42	-13.00	-53.42	-70.96	4.16	8.70	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	-60.90	-13.00	-47.90	-60.84	3.51	3.45	Horizontal	Pass
2113.5	-65.66	-13.00	-52.66	-68.23	3.78	6.35	Horizontal	Pass
2818.0	-61.93	-13.00	-48.93	-66.06	3.91	8.04	Horizontal	Pass
1409.0	-57.54	-13.00	-44.54	-57.48	3.51	3.45	Vertical	Pass
2113.5	-56.47	-13.00	-43.47	-59.04	3.78	6.35	Vertical	Pass
2818.0	-61.98	-13.00	-48.98	-66.11	3.91	8.04	Vertical	Pass



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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	-61.84	-13.00	-48.84	-61.80	3.51	3.47	Horizontal	Pass
2116.5	-65.61	-13.00	-52.61	-68.16	3.78	6.33	Horizontal	Pass
2822.0	-61.60	-13.00	-48.60	-65.73	3.91	8.04	Horizontal	Pass
1411.0	-59.36	-13.00	-46.36	-59.32	3.51	3.47	Vertical	Pass
2116.5	-57.73	-13.00	-44.73	-60.28	3.78	6.33	Vertical	Pass
2822.0	-61.39	-13.00	-48.39	-65.52	3.91	8.04	Vertical	Pass

LTE Band 17-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	-60.56	-13.00	-47.56	-60.53	3.51	3.48	Horizontal	Pass
2119.5	-66.03	-13.00	-53.03	-68.57	3.78	6.32	Horizontal	Pass
2826.0	-63.09	-13.00	-50.09	-67.23	3.91	8.05	Horizontal	Pass
1413.0	-59.49	-13.00	-46.49	-59.46	3.51	3.48	Vertical	Pass
2119.5	-57.79	-13.00	-44.79	-60.33	3.78	6.32	Vertical	Pass
2826.0	-62.20	-13.00	-49.20	-66.34	3.91	8.05	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	-66.28	-13.00	-53.28	-70.53	4.54	8.79	Horizontal	Pass
5553.0	-62.94	-13.00	-49.94	-65.44	6.02	8.52	Horizontal	Pass
7404.0	-62.12	-13.00	-49.12	-66.61	6.03	10.52	Horizontal	Pass
3702.0	-64.84	-13.00	-51.84	-69.09	4.54	8.79	Vertical	Pass
5553.0	-63.20	-13.00	-50.20	-65.70	6.02	8.52	Vertical	Pass
7404.0	-62.18	-13.00	-49.18	-66.67	6.03	10.52	Vertical	Pass



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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	-66.20	-13.00	-53.20	-70.17	4.55	8.52	Horizontal	Pass
5620.5	-63.05	-13.00	-50.05	-65.83	6.00	8.78	Horizontal	Pass
7494.0	-60.87	-13.00	-47.87	-65.66	6.01	10.80	Horizontal	Pass
3747.0	-65.95	-13.00	-52.95	-69.92	4.55	8.52	Vertical	Pass
5620.5	-63.02	-13.00	-50.02	-65.80	6.00	8.78	Vertical	Pass
7494.0	-60.97	-13.00	-47.97	-65.76	6.01	10.80	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	-65.72	-13.00	-52.72	-69.83	4.56	8.67	Horizontal	Pass
5688.0	-62.91	-13.00	-49.91	-65.38	5.98	8.45	Horizontal	Pass
7584.0	-60.43	-13.00	-47.43	-65.42	6.01	11.00	Horizontal	Pass
3792.0	-65.54	-13.00	-52.54	-69.65	4.56	8.67	Vertical	Pass
5688.0	-62.64	-13.00	-49.64	-65.11	5.98	8.45	Vertical	Pass
7584.0	-60.08	-13.00	-47.08	-65.07	6.01	11.00	Vertical	Pass

LTE Band 26a(814-824MHz)-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
1629.0	-57.47	-13.00	-44.47	-59.37	3.63	5.53	Horizontal	Pass
2443.5	-53.36	-13.00	-40.36	-56.52	3.78	6.94	Horizontal	Pass
3258.0	-66.67	-13.00	-53.67	-70.81	4.24	8.38	Horizontal	Pass
1629.0	-53.46	-13.00	-40.46	-55.36	3.63	5.53	Vertical	Pass
2443.5	-50.31	-13.00	-37.31	-53.47	3.78	6.94	Vertical	Pass
3258.0	-66.24	-13.00	-53.24	-70.38	4.24	8.38	Vertical	Pass



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LTE Band 26b(824-849MHz)-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
1649.5	-61.25	-13.00	-48.25	-63.31	3.64	5.70	Horizontal	Pass
2474.2	-58.81	-13.00	-45.81	-62.22	3.78	7.19	Horizontal	Pass
3299.0	-66.68	-13.00	-53.68	-71.19	4.28	8.79	Horizontal	Pass
1649.5	-54.97	-13.00	-41.97	-57.03	3.64	5.70	Vertical	Pass
2474.2	-55.78	-13.00	-42.78	-59.19	3.78	7.19	Vertical	Pass
3299.0	-67.06	-13.00	-54.06	-71.57	4.28	8.79	Vertical	Pass

LTE Band 26b(824-849MHz)-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
1659.5	-59.62	-13.00	-46.62	-61.72	3.64	5.74	Horizontal	Pass
2489.2	-59.66	-13.00	-46.66	-63.25	3.78	7.37	Horizontal	Pass
3319.0	-66.68	-13.00	-53.68	-71.17	4.31	8.80	Horizontal	Pass
1659.5	-55.52	-13.00	-42.52	-57.62	3.64	5.74	Vertical	Pass
2489.2	-56.30	-13.00	-43.30	-59.89	3.78	7.37	Vertical	Pass
3319.0	-66.57	-13.00	-53.57	-71.06	4.31	8.80	Vertical	Pass

LTE Band 26b(824-849MHz)-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
1668.0	-61.47	-13.00	-48.47	-63.60	3.64	5.77	Horizontal	Pass
2506.6	-64.25	-13.00	-51.25	-67.97	3.78	7.50	Horizontal	Pass
3339.0	-66.52	-13.00	-53.52	-70.99	4.33	8.80	Horizontal	Pass
1668.0	-55.81	-13.00	-42.81	-57.94	3.64	5.77	Vertical	Pass
2506.6	-57.76	-13.00	-44.76	-61.48	3.78	7.50	Vertical	Pass
3402.1	-62.68	-13.00	-49.68	-66.99	4.39	8.70	Vertical	Pass



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LTE Band 30-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
4611.0	-64.11	-40.00	-24.11	-67.00	5.63	8.52	Horizontal	Pass
6916.5	-62.12	-40.00	-22.12	-66.81	6.08	10.77	Horizontal	Pass
9222.0	-56.36	-40.00	-16.36	-62.39	5.90	11.93	Horizontal	Pass
4611.0	-61.22	-40.00	-21.22	-64.11	5.63	8.52	Vertical	Pass
6916.5	-62.00	-40.00	-22.00	-66.69	6.08	10.77	Vertical	Pass
9222.0	-56.07	-40.00	-16.07	-62.10	5.90	11.93	Vertical	Pass

LTE Band 30-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
4610.5	-64.04	-40.00	-24.04	-66.93	5.63	8.52	Horizontal	Pass
6915.8	-62.35	-40.00	-22.35	-67.04	6.08	10.77	Horizontal	Pass
9221.0	-56.50	-40.00	-16.50	-62.53	5.90	11.93	Horizontal	Pass
4610.5	-61.34	-40.00	-21.34	-64.23	5.63	8.52	Vertical	Pass
6915.8	-61.72	-40.00	-21.72	-66.41	6.08	10.77	Vertical	Pass
9221.0	-56.23	-40.00	-16.23	-62.26	5.90	11.93	Vertical	Pass

LTE Band 30-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
4615.5	-62.76	-40.00	-22.76	-65.66	5.63	8.53	Horizontal	Pass
6923.2	-61.81	-40.00	-21.81	-66.44	6.08	10.71	Horizontal	Pass
9231.0	-56.02	-40.00	-16.02	-62.10	5.91	11.99	Horizontal	Pass
4615.5	-60.28	-40.00	-20.28	-63.18	5.63	8.53	Vertical	Pass
6923.2	-62.10	-40.00	-22.10	-66.73	6.08	10.71	Vertical	Pass
9231.0	-56.26	-40.00	-16.26	-62.34	5.91	11.99	Vertical	Pass



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LTE Band 30-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
4620.5	-61.16	-40.00	-21.16	-64.08	5.62	8.54	Horizontal	Pass
6930.8	-62.81	-40.00	-22.81	-67.37	6.09	10.65	Horizontal	Pass
9241.0	-56.37	-40.00	-16.37	-62.50	5.92	12.05	Horizontal	Pass
4620.5	-59.55	-40.00	-19.55	-62.47	5.62	8.54	Vertical	Pass
6930.8	-62.41	-40.00	-22.41	-66.97	6.09	10.65	Vertical	Pass
9241.0	-55.48	-40.00	-15.48	-61.61	5.92	12.05	Vertical	Pass

LTE Band 38-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
5142.0	-62.26	-25.00	-37.26	-65.14	5.64	8.52	Horizontal	Pass
7713.0	-59.37	-25.00	-34.37	-64.62	6.00	11.25	Horizontal	Pass
10284.0	-56.21	-25.00	-31.21	-61.98	6.48	12.25	Horizontal	Pass
5142.0	-61.13	-25.00	-36.13	-64.01	5.64	8.52	Vertical	Pass
7713.0	-59.21	-25.00	-34.21	-64.46	6.00	11.25	Vertical	Pass
10284.0	-54.30	-25.00	-29.30	-60.07	6.48	12.25	Vertical	Pass

LTE Band 38-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
5172.0	-62.69	-25.00	-37.69	-65.48	5.67	8.46	Horizontal	Pass
7758.0	-58.96	-25.00	-33.96	-64.36	6.00	11.40	Horizontal	Pass
10344.0	-55.61	-25.00	-30.61	-61.18	6.50	12.07	Horizontal	Pass
5172.0	-63.80	-25.00	-38.80	-66.59	5.67	8.46	Vertical	Pass
7758.0	-58.76	-25.00	-33.76	-64.16	6.00	11.40	Vertical	Pass
10344.0	-55.93	-25.00	-30.93	-61.50	6.50	12.07	Vertical	Pass



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LTE Band 38-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
5202.0	-63.15	-25.00	-38.15	-65.85	5.71	8.41	Horizontal	Pass
7803.0	-58.80	-25.00	-33.80	-64.19	6.00	11.39	Horizontal	Pass
10404.0	-55.04	-25.00	-30.04	-60.43	6.51	11.90	Horizontal	Pass
5202.0	-62.16	-25.00	-37.16	-64.86	5.71	8.41	Vertical	Pass
7803.0	-59.22	-25.00	-34.22	-64.61	6.00	11.39	Vertical	Pass
10404.0	-55.57	-25.00	-30.57	-60.96	6.51	11.90	Vertical	Pass

LTE Band 41 2496-2690 FCC-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
4994.0	-62.27	-25.00	-37.27	-64.80	5.48	8.01	Horizontal	Pass
7491.0	-60.21	-25.00	-35.21	-65.00	6.01	10.80	Horizontal	Pass
9988.0	-56.02	-25.00	-31.02	-61.58	6.41	11.97	Horizontal	Pass
4994.0	-61.78	-25.00	-36.78	-64.31	5.48	8.01	Vertical	Pass
7491.0	-60.22	-25.00	-35.22	-65.01	6.01	10.80	Vertical	Pass
9988.0	-56.04	-25.00	-31.04	-61.60	6.41	11.97	Vertical	Pass

LTE Band 41 2496-2690 FCC-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
5168.0	-63.08	-25.00	-38.08	-65.87	5.67	8.46	Horizontal	Pass
7752.0	-59.15	-25.00	-34.15	-64.55	6.00	11.40	Horizontal	Pass
10336.0	-56.25	-25.00	-31.25	-61.85	6.49	12.09	Horizontal	Pass
5168.0	-63.14	-25.00	-38.14	-65.93	5.67	8.46	Vertical	Pass
7752.0	-58.49	-25.00	-33.49	-63.89	6.00	11.40	Vertical	Pass
10336.0	-55.15	-25.00	-30.15	-60.75	6.49	12.09	Vertical	Pass



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LTE Band 41 2496-2690 FCC-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
5342.0	-63.38	-25.00	-38.38	-66.02	5.86	8.50	Horizontal	Pass
8013.0	-59.82	-25.00	-34.82	-65.23	5.99	11.40	Horizontal	Pass
10684.0	-56.74	-25.00	-31.74	-62.50	6.59	12.35	Horizontal	Pass
5342.0	-63.63	-25.00	-38.63	-66.27	5.86	8.50	Vertical	Pass
8013.0	-59.97	-25.00	-34.97	-65.38	5.99	11.40	Vertical	Pass
10684.0	-56.20	-25.00	-31.20	-61.96	6.59	12.35	Vertical	Pass

LTE Band 42a(3450-3550MHz)-FCC-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
6902.0	-58.64	-13.00	-45.64	-63.44	6.08	10.88	Horizontal	Pass
10353.0	-55.77	-13.00	-42.77	-61.31	6.50	12.04	Horizontal	Pass
13804.0	-53.44	-13.00	-40.44	-59.22	7.47	13.25	Horizontal	Pass
6902.0	-56.59	-13.00	-43.59	-61.39	6.08	10.88	Vertical	Pass
10353.0	-55.59	-13.00	-42.59	-61.13	6.50	12.04	Vertical	Pass
13804.0	-53.10	-13.00	-40.10	-58.88	7.47	13.25	Vertical	Pass

LTE Band 42a(3450-3550MHz)-FCC-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
6982.0	-55.75	-13.00	-42.75	-60.02	6.10	10.37	Horizontal	Pass
10473.0	-55.74	-13.00	-42.74	-61.19	6.52	11.97	Horizontal	Pass
13964.0	-53.10	-13.00	-40.10	-58.90	7.64	13.44	Horizontal	Pass
6982.0	-55.18	-13.00	-42.18	-59.45	6.10	10.37	Vertical	Pass
10473.0	-55.55	-13.00	-42.55	-61.00	6.52	11.97	Vertical	Pass
13964.0	-52.86	-13.00	-39.86	-58.66	7.64	13.44	Vertical	Pass



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LTE Band 42a(3450-3550MHz)-FCC-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
7062.0	-60.13	-13.00	-47.13	-64.54	6.09	10.50	Horizontal	Pass
10593.0	-54.82	-13.00	-41.82	-60.35	6.56	12.09	Horizontal	Pass
14124.0	-52.74	-13.00	-39.74	-58.45	7.57	13.28	Horizontal	Pass
7062.0	-57.72	-13.00	-44.72	-62.13	6.09	10.50	Vertical	Pass
10593.0	-55.09	-13.00	-42.09	-60.62	6.56	12.09	Vertical	Pass
14124.0	-52.60	-13.00	-39.60	-58.31	7.57	13.28	Vertical	Pass

LTE Band 42b(3550-3600MHz)-FCC-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
7102.0	-57.12	-40.00	-17.12	-61.54	6.08	10.50	Horizontal	Pass
10653.0	-54.98	-40.00	-14.98	-60.66	6.58	12.26	Horizontal	Pass
14204.0	-52.52	-40.00	-12.52	-58.23	7.50	13.21	Horizontal	Pass
7102.0	-56.09	-40.00	-16.09	-60.51	6.08	10.50	Vertical	Pass
10653.0	-53.69	-40.00	-13.69	-59.37	6.58	12.26	Vertical	Pass
14204.0	-52.67	-40.00	-12.67	-58.38	7.50	13.21	Vertical	Pass

LTE Band 42b(3550-3600MHz)-FCC-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
7132.0	-57.20	-40.00	-17.20	-61.56	6.08	10.44	Horizontal	Pass
10698.0	-55.17	-40.00	-15.17	-60.97	6.59	12.39	Horizontal	Pass
14264.0	-52.84	-40.00	-12.84	-58.78	7.45	13.39	Horizontal	Pass
7132.0	-52.58	-40.00	-12.58	-56.94	6.08	10.44	Vertical	Pass
10698.0	-55.25	-40.00	-15.25	-61.05	6.59	12.39	Vertical	Pass
14264.0	-52.10	-40.00	-12.10	-58.04	7.45	13.39	Vertical	Pass



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LTE Band 42b(3550-3600MHz)-FCC-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
7162.0	-56.87	-40.00	-16.87	-61.22	6.07	10.42	Horizontal	Pass
10743.0	-54.94	-40.00	-14.94	-60.82	6.61	12.49	Horizontal	Pass
14324.0	-52.78	-40.00	-12.78	-58.83	7.40	13.45	Horizontal	Pass
7162.0	-54.33	-40.00	-14.33	-58.68	6.07	10.42	Vertical	Pass
10743.0	-54.85	-40.00	-14.85	-60.73	6.61	12.49	Vertical	Pass
14324.0	-52.96	-40.00	-12.96	-59.01	7.40	13.45	Vertical	Pass

LTE Band 43 3600-3700 FCC-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
7202.0	-54.85	-40.00	-14.85	-59.29	6.06	10.50	Horizontal	Pass
10803.0	-54.67	-40.00	-14.67	-60.64	6.63	12.60	Horizontal	Pass
14404.0	-51.80	-40.00	-11.80	-57.78	7.33	13.31	Horizontal	Pass
7202.0	-52.79	-40.00	-12.79	-57.23	6.06	10.50	Vertical	Pass
10803.0	-54.39	-40.00	-14.39	-60.36	6.63	12.60	Vertical	Pass
14404.0	-51.93	-40.00	-11.93	-57.91	7.33	13.31	Vertical	Pass

LTE Band 43 3600-3700 FCC-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
7282.0	-54.47	-40.00	-14.47	-59.02	6.05	10.60	Horizontal	Pass
10923.0	-54.58	-40.00	-14.58	-60.50	6.67	12.59	Horizontal	Pass
14564.0	-52.40	-40.00	-12.40	-58.57	7.33	13.50	Horizontal	Pass
7282.0	-52.03	-40.00	-12.03	-56.58	6.05	10.60	Vertical	Pass
10923.0	-54.47	-40.00	-14.47	-60.39	6.67	12.59	Vertical	Pass
14564.0	-51.89	-40.00	-11.89	-58.06	7.33	13.50	Vertical	Pass



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LTE Band 43 3600-3700 FCC-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
7362.0	-58.78	-40.00	-18.78	-63.48	6.03	10.73	Horizontal	Pass
11043.0	-54.33	-40.00	-14.33	-60.34	6.72	12.73	Horizontal	Pass
14724.0	-53.75	-40.00	-13.75	-59.75	7.52	13.52	Horizontal	Pass
7362.0	-52.78	-40.00	-12.78	-57.48	6.03	10.73	Vertical	Pass
11043.0	-54.50	-40.00	-14.50	-60.51	6.72	12.73	Vertical	Pass
14724.0	-50.23	-40.00	-10.23	-56.23	7.52	13.52	Vertical	Pass

LTE Band 43 3700-3800 FCC-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
7402.0	-58.67	-13.00	-45.67	-63.15	6.03	10.51	Horizontal	Pass
11103.0	-54.69	-13.00	-41.69	-60.45	6.75	12.51	Horizontal	Pass
14804.0	-52.14	-13.00	-39.14	-58.13	7.61	13.60	Horizontal	Pass
7402.0	-52.92	-13.00	-39.92	-57.40	6.03	10.51	Vertical	Pass
11103.0	-54.10	-13.00	-41.10	-59.86	6.75	12.51	Vertical	Pass
14804.0	-52.01	-13.00	-39.01	-58.00	7.61	13.60	Vertical	Pass

LTE Band 43 3700-3800 FCC-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
7482.0	-60.22	-13.00	-47.22	-65.01	6.01	10.80	Horizontal	Pass
11223.0	-54.64	-13.00	-41.64	-60.61	6.82	12.79	Horizontal	Pass
14964.0	-52.22	-13.00	-39.22	-57.91	7.81	13.50	Horizontal	Pass
7482.0	-50.95	-13.00	-37.95	-55.74	6.01	10.80	Vertical	Pass
11223.0	-54.22	-13.00	-41.22	-60.19	6.82	12.79	Vertical	Pass
14964.0	-51.99	-13.00	-38.99	-57.68	7.81	13.50	Vertical	Pass



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LTE Band 43 3700-3800 FCC-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
7562.0	-59.87	-13.00	-46.87	-64.73	6.01	10.87	Horizontal	Pass
11343.0	-54.61	-13.00	-41.61	-60.60	6.90	12.89	Horizontal	Pass
15142.0	-52.29	-13.00	-39.29	-58.08	7.79	13.58	Horizontal	Pass
7562.0	-54.50	-13.00	-41.50	-59.36	6.01	10.87	Vertical	Pass
11343.0	-54.57	-13.00	-41.57	-60.56	6.90	12.89	Vertical	Pass
15142.0	-52.16	-13.00	-39.16	-57.95	7.79	13.58	Vertical	Pass

LTE Band 48-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
7102.0	-58.04	-40.00	-18.04	-62.46	6.08	10.50	Horizontal	Pass
10653.0	-56.05	-40.00	-16.05	-61.73	6.58	12.26	Horizontal	Pass
14204.0	-54.16	-40.00	-14.16	-59.87	7.50	13.21	Horizontal	Pass
7102.0	-55.80	-40.00	-15.80	-60.22	6.08	10.50	Vertical	Pass
10653.0	-55.84	-40.00	-15.84	-61.52	6.58	12.26	Vertical	Pass
14204.0	-54.30	-40.00	-14.30	-60.01	7.50	13.21	Vertical	Pass

LTE Band 48-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
7232.0	-59.15	-40.00	-19.15	-63.65	6.06	10.56	Horizontal	Pass
10848.0	-56.64	-40.00	-16.64	-62.55	6.64	12.55	Horizontal	Pass
14464.0	-53.68	-40.00	-13.68	-59.83	7.28	13.43	Horizontal	Pass
7232.0	-52.60	-40.00	-12.60	-57.10	6.06	10.56	Vertical	Pass
10848.0	-56.49	-40.00	-16.49	-62.40	6.64	12.55	Vertical	Pass
14464.0	-53.06	-40.00	-13.06	-59.21	7.28	13.43	Vertical	Pass



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LTE Band 48-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
7362.0	-59.02	-40.00	-19.02	-63.72	6.03	10.73	Horizontal	Pass
11043.0	-55.75	-40.00	-15.75	-61.76	6.72	12.73	Horizontal	Pass
14724.0	-54.52	-40.00	-14.52	-60.52	7.52	13.52	Horizontal	Pass
7362.0	-51.70	-40.00	-11.70	-56.40	6.03	10.73	Vertical	Pass
11043.0	-55.52	-40.00	-15.52	-61.53	6.72	12.73	Vertical	Pass
14724.0	-54.18	-40.00	-14.18	-60.18	7.52	13.52	Vertical	Pass

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	-61.81	-13.00	-48.81	-66.06	4.41	8.66	Horizontal	Pass
5133.0	-63.30	-13.00	-50.30	-66.20	5.63	8.53	Horizontal	Pass
6844.0	-62.28	-13.00	-49.28	-66.53	6.07	10.32	Horizontal	Pass
3422.0	-63.74	-13.00	-50.74	-67.99	4.41	8.66	Vertical	Pass
5133.0	-63.11	-13.00	-50.11	-66.01	5.63	8.53	Vertical	Pass
6844.0	-62.37	-13.00	-49.37	-66.62	6.07	10.32	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	-66.64	-13.00	-53.64	-70.91	4.46	8.73	Horizontal	Pass
5208.0	-63.47	-13.00	-50.47	-66.19	5.71	8.43	Horizontal	Pass
6944.0	-62.03	-13.00	-49.03	-66.49	6.09	10.55	Horizontal	Pass
3472.0	-66.67	-13.00	-53.67	-70.94	4.46	8.73	Vertical	Pass
5208.0	-62.82	-13.00	-49.82	-65.54	5.71	8.43	Vertical	Pass
6944.0	-62.45	-13.00	-49.45	-66.91	6.09	10.55	Vertical	Pass



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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	-66.94	-13.00	-53.94	-71.38	4.50	8.94	Horizontal	Pass
5283.0	-63.36	-13.00	-50.36	-66.09	5.80	8.53	Horizontal	Pass
7044.0	-61.90	-13.00	-48.90	-66.29	6.09	10.48	Horizontal	Pass
3522.0	-66.73	-13.00	-53.73	-71.17	4.50	8.94	Vertical	Pass
5283.0	-62.99	-13.00	-49.99	-65.72	5.80	8.53	Vertical	Pass
7044.0	-62.09	-13.00	-49.09	-66.48	6.09	10.48	Vertical	Pass

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	-65.86	-13.00	-52.86	-65.02	3.45	2.61	Horizontal	Pass
1992.0	-64.26	-13.00	-51.26	-66.73	3.78	6.25	Horizontal	Pass
2656.0	-65.36	-13.00	-52.36	-69.30	3.84	7.78	Horizontal	Pass
1328.0	-59.98	-13.00	-46.98	-59.14	3.45	2.61	Vertical	Pass
1992.0	-53.65	-13.00	-40.65	-56.12	3.78	6.25	Vertical	Pass
2656.0	-63.96	-13.00	-50.96	-67.90	3.84	7.78	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
1343.0	-63.81	-13.00	-50.81	-63.02	3.46	2.67	Horizontal	Pass
2014.5	-63.05	-13.00	-50.05	-65.44	3.78	6.17	Horizontal	Pass
2686.0	-61.49	-13.00	-48.49	-65.30	3.85	7.66	Horizontal	Pass
1343.0	-55.53	-13.00	-42.53	-54.74	3.46	2.67	Vertical	Pass
2014.5	-52.40	-13.00	-39.40	-54.79	3.78	6.17	Vertical	Pass
2686.0	-62.79	-13.00	-49.79	-66.60	3.85	7.66	Vertical	Pass



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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
1357.3	-65.95	-13.00	-52.95	-65.28	3.47	2.80	Horizontal	Pass
2034.4	-66.43	-13.00	-53.43	-68.78	3.78	6.13	Horizontal	Pass
2719.4	-64.96	-13.00	-51.96	-68.85	3.86	7.75	Horizontal	Pass
1357.3	-59.11	-13.00	-46.11	-58.44	3.47	2.80	Vertical	Pass
2034.4	-56.62	-13.00	-43.62	-58.97	3.78	6.13	Vertical	Pass
2719.4	-64.58	-13.00	-51.58	-68.47	3.86	7.75	Vertical	Pass

LTE Band 70-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
3391.5	-66.38	-13.00	-53.38	-70.72	4.38	8.72	Horizontal	Pass
5087.2	-63.23	-13.00	-50.23	-66.20	5.58	8.55	Horizontal	Pass
6783.0	-61.32	-13.00	-48.32	-65.79	6.06	10.53	Horizontal	Pass
3391.5	-66.10	-13.00	-53.10	-70.44	4.38	8.72	Vertical	Pass
5087.2	-62.89	-13.00	-49.89	-65.86	5.58	8.55	Vertical	Pass
6783.0	-61.26	-13.00	-48.26	-65.73	6.06	10.53	Vertical	Pass

LTE Band 106-Middle channel, Modulation: QPSK, Bandwidth:3MHz, 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
1795.3	-61.43	-13.00	-48.43	-64.80	3.70	7.07	Horizontal	Pass
2692.9	-55.49	-13.00	-42.49	-59.27	3.85	7.63	Horizontal	Pass
3590.6	-67.17	-13.00	-54.17	-71.34	4.51	8.68	Horizontal	Pass
1795.3	-58.74	-13.00	-45.74	-62.11	3.70	7.07	Vertical	Pass
2692.9	-53.03	-13.00	-40.03	-56.81	3.85	7.63	Vertical	Pass
3590.6	-66.38	-13.00	-53.38	-70.55	4.51	8.68	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 FYCR2606000039AT

8 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for FYCR2606000039AT

- End of the Report -



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