

TEST REPORT

Applicant: Franklin Technology
Address: 906 JEI Platz, 186, Gasan digital1-ro, Geumcheon-gu,
Seoul 08502 Korea
Equipment Type: Home Router
Model Name: CG890
Brand Name: N/A
FCC ID: XHG-CG890
Test Standard: 47 CFR Part 2
(Others refer to chapter 3.1)
Sample Arrival Date: May 15, 2025
Test Date: May 16, 2025 - May 26, 2025
Date of Issue: May 27, 2025

ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center



Prepared by: Yan Jun

Reviewed by: Zhu Feng

Approved by: Chen Zidong

(Technical Director)

Yan Jun

Zhu Feng

Chen Zidong

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>May 27, 2025</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Address	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China

1.2 Test Location

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Location	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory.The designation number is CN1352

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Franklin Technology
Address	906 JEI Platz, 186, Gasan digital1-ro, Geumcheon-gu, Seoul 08502 Korea

2.2 Manufacturer Information

Manufacturer	Franklin Technology
Address	906 JEI Platz, 186, Gasan digital1-ro, Geumcheon-gu, Seoul 08502 Korea

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	Home Router
Model Name Under Test	CG890
Series Model Name	N/A
Description of Model name differentiation	N/A
Sample No	SC-SH2540062-S03
Hardware Version	P1
Software Version	CG890.FR.2033
Dimensions (Approx.)	L:101.5mm * W:101.5mm *H:195.mm*
Weight (Approx.)	N/A

2.5 Technical Information

Network and Wireless connectivity for EUT	WCDMA Band II/IV/V LTE Band 2/4/5/7/12/25/26/41/48/66/71 NR Band n25/41/66/71/48/77, n41(PC2)/n77 (PC2) ENDC DC_5A_n66A, DC_12A_n66A,DC_5A_N48A WiFi 2.4G/5G
About the Product	The equipment is Home Router Terminal, intended for used with information technology equipment.

The requirement for the following technical information of the EUT was tested in this report:

Operating Bands			LTE Band 25/26 NR Band n25/41/77		
Modulation Type			LTE	UL: QPSK/16QAM DL: QPSK/16QAM	
			NR	CP-OFDM: QPSK/16QAM/64QAM/256QAM	
				DFT-s-OFDM:PI/2BPSK/QPSK/16QAM/64QAM/256QAM	
Antenna Type			Embedded Antenna		
Antenna Gain			FDD LTE Band 25:3.262 dBi		
			FDD LTE Band 26(part 22):1.998 dBi		
			FDD LTE Band 26(part 90):1.609 dBi		
			FDD NR Band n25:3.262 dBi		
			TDD NR Band n41:0.409 dBi		
			TDD NR Band n77(3450-3550MHz): -0.637 dBi		
			TDD NR Band n77(3700-3980MHz): -0.647 dBi		
The Max RF Output Power (EIRP/ERP)			FDD LTE Band 25: 25.83 dBm		
			FDD LTE Band 26(part 22): 22.41 dBm		
			FDD LTE Band 26(part 90): 22.11 dBm		
			FDD NR Band n25: 27.77 dBm		
			TDD NR Band n41:25.09dBm		
			TDD NR Band n77(3450-3550 MHz): 26.03 dBm		
			TDD NR Band n77(3700-3980 MHz): 24.68 dBm		
SCS and Channel Bandwidths			n25_SCS 15kHz: 5 MHz, 10 MHz, 15 MHz, 20 MHz,25 MHz, 30 MHz, 40 MHz		
			n41_SCS 30kHz: 20MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz		
			n77_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz		
			60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz		
Band	Power Class		Tx Frequency Range		Rx Frequency Range
	GMSK	8PSK			
WCDMA B2	3		1850 MHz ~ 1910 MHz		1930 MHz ~ 1990 MHz
WCDMA B4	3		1710 MHz ~ 1755 MHz		2110 MHz ~ 2155 MHz

WCDMA B5	3	824 MHz ~ 849 MHz	869 MHz ~ 894 MHz
LTE B2	3	1850 MHz ~ 1910 MHz	1930 MHz ~ 1990 MHz
LTE B4	3	1710 MHz ~ 1755 MHz	2110 MHz ~ 2155 MHz
LTE B5	3	824 MHz ~ 849 MHz	869 MHz ~ 894 MHz
LTE B7	3	2500 MHz ~ 2570 MHz	2620 MHz ~ 2690 MHz
LTE B12	3	699 MHz ~ 716 MHz	729 MHz ~ 746 MHz
LTE B25	3	1850 MHz ~ 1915 MHz	1930 MHz ~ 1995 MHz
LTE B26	3	814 MHz ~ 824 MHz	859 MHz ~ 869 MHz
		824 MHz ~ 849 MHz	869 MHz ~ 894 MHz
LTE B41	3	2496 MHz ~ 2690 MHz	2496 MHz ~ 2690 MHz
LTE B48	3	3550 MHz ~ 3700 MHz	3550 MHz ~ 3700 MHz
LTE B66	3	1710 MHz ~ 1780 MHz	2110 MHz ~ 2180 MHz
LTE B71	3	663 MHz ~ 698 MHz	617 MHz ~ 652 MHz
NR n25	3	1850 MHz ~ 1915 MHz	1930 MHz ~ 1995 MHz
NR n41	2&3	2496 MHz ~ 2690 MHz	2496 MHz ~ 2690 MHz
NR n48	3	3550 MHz ~ 3700 MHz	3550 MHz ~ 3700 MHz
NR n66	3	1710 MHz ~ 1780 MHz	2110 MHz ~ 2180 MHz
NR n71	3	663 MHz ~ 698 MHz	617 MHz ~ 652 MHz
NR n77	2&3	3450 MHz ~ 3550 MHz	3450 MHz ~ 3550 MHz
		3700 MHz ~ 3980 MHz	3700 MHz ~ 3980 MHz

Note1: The EUT information provided by the applicant, except for The Max RF Conducted Power. For more detailed band specifications and features description, please refer to the manufacturer's specifications or user's manual.

Note2: These frequency ranges are only applicable in the United States.

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22 Subpart H	Cellular Radiotelephone Service
3	47 CFR Part 24 Subpart E	Broadband PCS
4	47 CFR Part 27	Miscellaneous Wireless Communications Services
5	47 CFR Part 90 Subpart S	Regulations Governing Licensing and Use of Frequencies in the 806-824, 851-869, 896-901, and 935-940 MHz Bands
6	47 CFR Part 90 Subpart R	Regulations Governing Licensing and Use of Frequencies in the 758-775 and 788-805 MHz Bands
7	47 CFR Part 96	CITIZENS BROADBAND RADIO SERVICE
8	ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
9	KDB 971168 D01 v03	Measurement Guidance for Certification of Licensed Digital Transmitters

3.2 Test Verdict

No.	Test Description	FCC Part No.	Test Result	Test Verdict
1	Conducted RF Output Power	2.1046	Reporting only (ANNEX A.1)	Pass
2	Effective (Isotropic) Radiated Power	2.1046 22.913 24.232 27.50 90.635(b) 90.542(a) 96.41(b)	ANNEX A.1	Pass
3	Peak to Average Ratio	2.1046 22.913(d) 24.232(d) 27.50(d)	ANNEX A.2	Pass
4	Occupied Bandwidth	2.1049 22.917 24.238 27.53 90.209	ANNEX A.3	Pass
5	Frequency Stability	2.1055 22.355 24.235 27.54 90.213	ANNEX A.4	Pass
6	Spurious Emission at Antenna Terminals	2.1051 22.917 24.238 27.53 90.691 90.543 96.41(e)	ANNEX A.5	Pass
7	Band Edge	2.1051 22.917 24.238 27.53 90.691 90.543 96.41(e)	ANNEX A.6	Pass
8	Field Strength of Spurious Radiation	2.1053 22.917 24.238 27.53	ANNEX A.7	Pass

No.	Test Description	FCC Part No.	Test Result	Test Verdict
		90.691 90.543 96.41(e)		
The RF module installed in the EUT is electronically and mechanically identical to the originally certified modules in the following test reports (all issued by Shenzhen Accurate Technology Co., Ltd. with original FCC ID: XHG-CG890): Report No. RA230104-00558E-RF-00E (issued Feb. 27, 2023) Report No. RA230104-00558E-RF-00C (issued Mar. 22, 2023) Report No. RA230104-00558E-RF-00F (issued Mar. 17, 2023) Report No. RA230104-00558E-RF-00D (issued Mar. 16, 2023) Therefore, this report only includes retesting of the following bands: LTE B25 LTE B26 NR n25 NR n41 NR n77 For test results of other bands, please refer to: Original Report No. RA230104-00558E-RF-00E (issued Feb. 27, 2023) Other applicable reports in the series (No. RA230104-00558E-RF-00C, No. RA230104-00558E-RF-00D, No. RA230104-00558E-RF-00F)				

3.3 Decision Rule

☐ No Need

☒ Use General conformity decision rule (Consider uncertainty or not ☒ No ☐ Yes)

☐ Use Special Conformity Decision Rule (Consider uncertainty or not ☐ No ☐ Yes)

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the environmental conditions were within the listed ranges:

Relative Humidity		25% to 75%
Atmospheric Pressure		98 kPa to 102 kPa
Test Voltage of the EUT	NV (Normal Voltage)	12.0V
	LV (Low Voltage)	11.0V
	HV (High Voltage)	13.0V
Test Temperature of the EUT	NT (Normal Temperature)	25 °C
	LT (Low Temperature)	-10 °C
	HT (High Temperature)	+55 °C

4.2 Test Equipment List

Description	Manufacturer	Model	Equipment No.	Software /Firmware Version	Cal. Date	Cal. Due
BL410 2G/3G/4G/5G RF Test System						
Wideband Radio Communication Tester	R&S	CMW 500	BH-EMC-L06 4	V3.7.60	2025/2/12	2026/2/12
PSA Spectrum Analyzer	Agilent	E4440A	TJEMC013	A.11.07	2025/4/6	2026/4/6
Signal Generator	Keysight	N5173B	BH-EMC-L07 4	B.01.90	2025/2/12	2026/2/12
DC Power Supply	ITECH	IT6863A	BH-EMC-L11 3	N/A	2025/2/12	2026/2/12
Filter unit	BALUN	SU319F	BH-EMC-L07 7	N/A	N/A	N/A
Filter unit	BALUN	SU319F	BH-EMC-L07 8	N/A	N/A	N/A
Filter unit	BALUN	SU319F	BH-EMC-L12 2	N/A	N/A	N/A
Switch unit	BALUN	SU319	BH-EMC-L07 6	N/A	N/A	N/A
Wireless Communication Comprehensive	Starpoint	SP9500-C TS	BH-EMC-L09 3	NA	2025/2/12	2026/2/12

Description	Manufacturer	Model	Equipment No.	Software /Firmware Version	Cal. Date	Cal. Due
e Tester						
Test Software	BALUN	BL410R	NA	V3.0.1.539	N/A	N/A
Radiated Test System						
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	BH-EMC-L008	NA	2024/3/11	2027/3/10
Test Antenna-Horn	Schwarzbeck	BBHA 9120D	BH-EMC-L044	NA	2024/3/11	2027/3/10
Anechoic Chamber	YIHENG	9m*6m*6m	BH-EMC-L001	NA	2024/4/14	2027/4/13
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L015	A.21.06	2024/7/9	2025/7/9
Wideband Radio Communication Tester	R&S	CMW 500	BH-EMC-L094	V3.7.172	2025/2/12	2026/2/11
Radio Communication Analyzer	Anritsu	MT8000A	TJOTA080	N/A	2025/4/23	2026/4/23
Test Software	BALUN	BL410-E	NA	V21.919	N/A	N/A

4.3 Test Configurations

Test Items	Test Mode	Test Channel		
		LCH	MCH	HCH
Effective (Isotropic) Radiated Power	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
	HSDPA Band 2	v	v	v
	HSDPA Band 4	v	v	v
	HSDPA Band 5	v	v	v
	HSUPA Band 2	v	v	v
	HSUPA Band 4	v	v	v
	HSUPA Band 5	v	v	v
Peak to Average Ratio	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Occupied Bandwidth	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Frequency Stability	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Spurious Emission at Antenna Terminals	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Band Edge	WCDMA Band 2	v	--	v
	WCDMA Band 4	v	--	v
	WCDMA Band 5	v	--	v
Field Strength of Spurious Radiation	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Note 1: The mark "v" means that this configuration is chosen for testing.				

Test Mode	UL Channel	UL Channel No.	UL Frequency (MHz)
WCDMA Band 2	Low Channel	9262	1852.4
	Middle Channel	9400	1880.0
	High Channel	9538	1907.6
WCDMA Band 4	Low Channel	1312	1712.4
	Middle Channel	1412	1732.4
	High Channel	1513	1752.6
WCDMA Band 5	Low Channel	4132	826.4
	Middle Channel	4182	836.4
	High Channel	4233	846.6

LTE Band	Bandwidth (MHz)						Modulation Type		RB#			Test Channel		
	1.4	3	5	10	15	20	QPSK	16-QAM	1	Half	Full	LCH	MCH	HCH
Effective (Isotropic) Radiated Power														
2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
5	v	v	v	v	n	n	v	v	v	v	v	v	v	v
7	n	n	v	v	v	v	v	v	v	v	v	v	v	v
12	v	v	v	v	n	n	v	v	v	v	v	v	v	v
25	v	v	v	v	v	v	v	v	v	v	v	v	v	v
26(Part22)	v	v	v	v	v	n	v	v	v	v	v	v	v	v
26(Part90)	v	v	v	v	--	n	v	v	v	v	v	v	v	v
41	n	n	v	v	v	v	v	v	v	v	v	v	v	v
48	n	n	v	v	v	v	v	v	v	v	v	v	v	v
66	v	v	v	v	v	v	v	v	v	v	v	v	v	v
71	n	n	v	v	v	v	v	v	v	v	v	v	v	v
Peak to Average Ratio														
2	--	--	--	--	--	v	v	v	v	--	v	v	v	v
4	--	--	--	--	--	v	v	v	v	--	v	v	v	v
5	--	--	--	v	n	n	v	v	v	--	v	v	v	v
7	n	n	--	--	--	v	v	v	v	--	v	v	v	v
12	--	--	--	v	n	n	v	v	v	--	v	v	v	v
25	--	--	--	--	--	v	v	v	v	--	v	v	v	v
26(Part22)	--	--	--	--	v	n	v	v	v	--	v	v	v	v
26(Part90)	--	--	--	v	--	n	v	v	v	--	v	--	v	--
41	n	n	--	--	--	v	v	v	v	--	v	v	v	v
48	n	n	--	v	--	--	v	v	v	--	v	v	v	v
66	--	--	--	--	--	v	v	v	v	--	v	v	v	v
71	n	n	n	n	n	v	v	v	v	--	v	v	v	v
Occupied Bandwidth														
2	v	v	v	v	v	v	v	v	--	--	v	v	v	v
4	v	v	v	v	v	v	v	v	--	--	v	v	v	v
5	v	v	v	v	n	n	v	v	--	--	v	v	v	v
7	n	n	v	v	v	v	v	v	--	--	v	v	v	v
12	v	v	v	v	n	n	v	v	--	--	v	v	v	v
25	v	v	v	v	v	v	v	v	--	--	v	v	v	v
26(Part22)	v	v	v	v	v	n	v	v	--	--	v	v	v	v
26(Part90)	v	v	v	v	--	n	v	v	--	--	v	v	v	v
41	n	n	v	v	v	v	v	v	--	--	v	v	v	v
48	n	n	v	v	v	v	v	v	--	--	v	v	v	v
66	v	v	v	v	v	v	v	v	--	--	v	v	v	v
71	n	n	v	v	v	v	v	v	--	--	v	v	v	v
Frequency Stability														

LTE Band	Bandwidth (MHz)						Modulation Type		RB#			Test Channel		
	1.4	3	5	10	15	20	QPSK	16-QAM	1	Half	Full	LCH	MCH	HCH
2	--	--	--	v	--	--	v	v	--	--	v	--	v	--
4	--	--	--	v	--	--	v	v	--	--	v	--	v	--
5	--	--	--	v	n	n	v	v	--	--	v	--	v	--
7	n	n	--	v	--	--	v	v	--	--	v	--	v	--
12	--	--	--	v	n	n	v	v	--	--	v	--	v	--
25	--	--	--	v	--	--	v	v	--	--	v	--	v	--
26(Part22)	--	--	--	v	--	n	v	v	--	--	v	--	v	--
26(Part90)	--	--	--	v	--	n	v	v	--	--	v	--	v	--
41	n	n	--	v	--	--	v	v	--	--	v	--	v	--
48	n	n	--	v	--	--	v	v	--	--	v	--	v	--
66	--	--	--	v	--	--	v	v	--	--	v	--	v	--
71	n	n	--	v	--	--	v	v	--	--	v	--	v	--
Spurious Emission at Antenna Terminals														
2	v	v	v	v	v	v	v	v	v	--	--	v	v	v
4	v	v	v	v	v	v	v	v	v	--	--	v	v	v
5	v	v	v	v	n	n	v	v	v	--	--	v	v	v
7	n	n	v	v	v	v	v	v	v	--	--	v	v	v
12	v	v	v	v	n	n	v	v	v	--	--	v	v	v
25	v	v	v	v	v	v	v	v	v	--	--	v	v	v
26(Part22)	v	v	v	v	v	n	v	v	v	--	--	v	v	v
26(Part90)	v	v	v	v	--	n	v	v	v	--	--	v	v	v
41	n	n	v	v	v	v	v	v	v	--	--	v	v	v
48	n	n	v	v	v	v	v	v	v	--	--	v	v	v
66	v	v	v	v	v	v	v	v	v	--	--	v	v	v
71	n	n	v	v	v	v	v	v	v	--	--	v	v	v
Band Edge														
2	v	v	v	v	v	v	v	v	v	--	v	v	--	v
4	v	v	v	v	v	v	v	v	v	--	v	v	--	v
5	v	v	v	v	n	n	v	v	v	--	v	v	--	v
7	n	n	v	v	v	v	v	v	v	--	v	v	--	v
12	v	v	v	v	n	n	v	v	v	--	v	v	--	v
25	v	v	v	v	v	v	v	v	v	--	v	v	--	v
26(Part22)	v	v	v	v	v	n	v	v	v	--	v	v	--	v
26(Part90)	v	v	v	v	--	n	v	v	v	--	v	v	--	v
41	n	n	v	v	v	v	v	v	v	--	v	v	--	v
48	n	n	v	v	v	v	v	v	v	--	v	v	--	v
66	v	v	v	v	v	v	v	v	v	--	v	v	--	v
71	n	n	v	v	v	v	v	v	v	--	v	v	--	v
Field Strength of Spurious Radiation														
2	Worst case													
4	Worst case													

LTE Band	Bandwidth (MHz)						Modulation Type		RB#			Test Channel		
	1.4	3	5	10	15	20	QPSK	16-QAM	1	Half	Full	LCH	MCH	HCH
5														
7														
12														
25														
26(part22)														
26(part90)														
41														
48														
66														
71														

Note 1: The mark “v” means that this configuration is chosen for testing.

Note 2: The mark “n” means that this bandwidth is not supported.

Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
LTE Band 2	Low Range	1.4	18607	1850.7
		3	18615	1851.5
		5	18625	1852.5
		10	18650	1855
		15	18675	1857.5
		20	18700	1860
	Middle Range	1.4/3/5/10/15/20	18900	1880
	High Range	1.4	19193	1909.3
		3	19185	1908.5
		5	19175	1907.5
		10	19150	1905
		15	19125	1902.5
		20	19100	1900
LTE Band 4	Low Range	1.4	19957	1710.7
		3	19965	1711.5
		5	19975	1712.5
		10	20000	1715
		15	20025	1717.5
		20	20050	1720
	Middle Range	1.4/3/5/10/15/20	20175	1732.5
	High Range	1.4	20393	1754.3
		3	20385	1753.5
		5	20375	1752.5
		10	20350	1750
		15	20325	1747.5
		20	20300	1745
LTE Band 5	Low Range	1.4	20407	824.7
		3	20415	825.5
		5	20425	826.5
		10	20450	829
	Middle Range	1.4/3/5/10	20525	836.5
	High Range	1.4	20643	848.3
		3	20635	847.5
		5	20625	846.5
		10	20600	844
LTE Band 7	Low Range	5	20775	2502.5
		10	20800	2505
		15	20825	2507.5
		20	20850	2510
	Middle Range	5/10/15/20	21100	2535

Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
	High Range	5	21425	2567.5
		10	21400	2565
		15	21375	2562.5
		20	21350	2560
LTE Band 12	Low Range	1.4	23017	699.7
		3	23025	700.5
		5	23035	701.5
		10	23060	704
	Middle Range	1.4/3/5/10	23095	707.5
	High Range	1.4	23173	715.3
		3	23165	714.5
		5	23155	713.5
		10	23130	711
LTE Band 25	Low Range	1.4	26047	1850.7
		3	26055	1851.5
		5	26065	1852.5
		10	26090	1855
		15	26115	1857.5
		20	26140	1860
	Middle Range	1.4/3/5/10/15/20	26365	1882.5
	High Range	1.4	26683	1914.3
		3	26675	1913.5
		5	26665	1912.5
		10	26640	1910
		15	26615	1907.5
		20	26590	1905
LTE Band 26 (814-824MHz)	Low Range	1.4	26697	814.7
		3	26705	815.5
		5	26715	816.5
		10	---	---
	Middle Range	1.4/3/5/10	26740	819
	High Range	1.4	26783	823.3
		3	26775	822.5
		5	26765	821.5
		10	---	---
LTE Band 26 (824-849MHz)	Low Range	1.4	26797	824.7
		3	26805	825.5
		5	26815	826.5
		10	26840	829
		15	26865	831.5
	Middle Range	1.4/3/5/10/15	26915	836.5

Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
	High Range	1.4	27033	848.3
		3	27025	847.5
		5	27015	846.5
		10	26990	844
		15	26965	841.5
LTE-Band 66	Low Range	1.4	131979	1710.7
		3	131987	1711.5
		5	131997	1712.5
		10	132022	1715
		15	132047	1717.5
		20	132072	1720
	Middle Range	1.4/3/5/10/15/20	132322	1745
	High Range	1.4	132665	1779.3
		3	132657	1778.5
		5	132647	1777.5
		10	132622	1775
		15	132597	1772.5
		20	132572	1770
LTE Band 41(full)	Low Range	5	39675	2498.5
		10	39700	2501
		15	39725	2503.5
		20	39750	2506
	Middle Range	5/10/15/20	40620	2593
	High Range	5	41565	2687.5
		10	41540	2685
		15	41515	2682.5
		20	41490	2680
LTE Band 48(Part 96)	Low Range	5	55265	3552.5
		10	55290	3555
		15	55315	3557.5
		20	55340	3560
	Middle Range	5/10/15/20	55990	3625
	High Range	5	56715	3697.5
		10	56690	3695
		15	56665	3692.5
		20	56640	3690
LTE-Band 71	Low Range	5	133147	665.5
		10	133172	668
		15	133197	670.5
		20	133222	673
	Middle Range	5/10/15/20	133297	680.5

Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
	High Range	5	133447	695.5
		10	133422	693
		15	133397	690.5

Test Mode	Channel Bandwidth (MHz)	UL Channel	UL Channel No.	UL Frequency (MHz)
NR Band n25	5	Low Range	370500	1852.5
		Middle Range	376500	1882.5
		High Range	382500	1912.5
	10	Low Range	371000	1855
		Middle Range	376500	1882.5
		High Range	382000	1910
	15	Low Range	371500	1857.5
		Middle Range	376500	1882.5
		High Range	381500	1907.5
	20	Low Range	372000	1860
		Middle Range	376500	1882.5
		High Range	381000	1905

Test Mode	Channel Bandwidth (MHz)	UL Channel	UL Channel No.	UL Frequency (MHz)
NR Band n41	20	Low Range	501204	2506.02
		Middle Range	518598	2592.99
		High Range	535998	2679.99
	30	Low Range	502200	2511
		Middle Range	518598	2592.99
		High Range	534996	2674.98
	40	Low Range	503202	2516.01
		Middle Range	518598	2592.99
		High Range	534000	2670
	50	Low Range	504204	2521.02
		Middle Range	518598	2592.99
		High Range	532998	2664.99
	60	Low Range	505200	2526
		Middle Range	518598	2592.99
		High Range	531996	2659.98
	70	Low Range	506202	2531.01
		Middle Range	518598	2592.99
		High Range	531000	2655
	80	Low Range	507204	2536.02
		Middle Range	518598	2592.99
		High Range	529998	2649.99
	90	Low Range	508200	2541
		Middle Range	518598	2592.99
		High Range	528996	2644.98

Test Mode	Channel Bandwidth (MHz)	UL Channel	UL Channel No.	UL Frequency (MHz)
	100	Low Range	509202	2546.01
		Middle Range	518598	2592.99
		High Range	528000	2640
Test Mode	Channel Bandwidth (MHz)	UL Channel	UL Channel No.	UL Frequency (MHz)
NR Band n48	20	Low Range	637334	3560.01
		Middle Range	641666	3624.99
		High Range	646000	3690

Test Mode	Channel Bandwidth (MHz)	UL Channel	UL Channel No.	UL Frequency (MHz)
NR Band n66(SCS 15kHz)	5	Low Range	342500	1712.5
		Middle Range	349000	1745
		High Range	355500	1777.5
	10	Low Range	343000	1715
		Middle Range	349000	1745
		High Range	355000	1775
	15	Low Range	343500	1717.5
		Middle Range	349000	1745
		High Range	354500	1772.5
	20	Low Range	344000	1720
		Middle Range	349000	1745
		High Range	354000	1770
	25	Low Range	344500	1722.5
		Middle Range	349000	1745
		High Range	353500	1767.5
	30	Low Range	345000	1725
		Middle Range	349000	1745
		High Range	353000	1765
	40	Low Range	346000	1730
		Middle Range	349000	1745
		High Range	352000	1760

Test Mode	Channel Bandwidth (MHz)	UL Channel	UL Channel No.	UL Frequency (MHz)
NR Band n71	5	Low Range	133100	665.5
		Middle Range	136100	680.5
		High Range	139100	695.5
	10	Low Range	133600	668
		Middle Range	136100	680.5
		High Range	138600	693
	15	Low Range	134100	670.5
		Middle Range	136100	680.5
		High Range	138100	690.5
	20	Low Range	134600	673
		Middle Range	136100	680.5
		High Range	137600	688

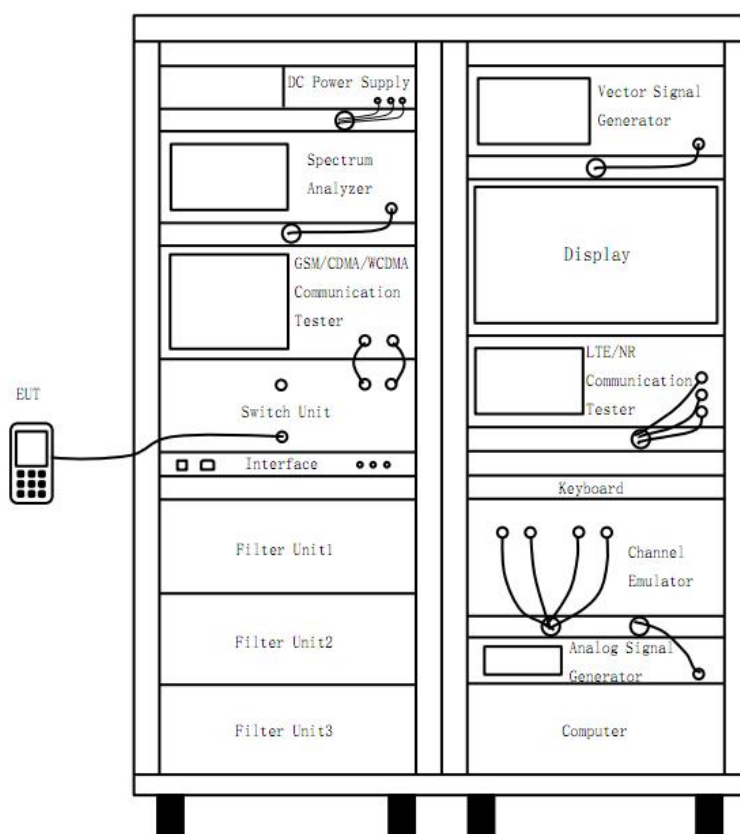
Test Mode	Channel Bandwidth (MHz)	UL Channel	UL Channel No.	UL Frequency (MHz)
NR Band n77(3450-3550 MHz)(SCS 30kHz)	10	Low Range	630334	3455.01
		Middle Range	633332	3499.98
		High Range	636334	3545.01
	15	Low Range	630500	3457.5
		Middle Range	633332	3750
		High Range	636168	3542.52
	20	Low Range	630668	3460.02
		Middle Range	633332	3499.98
		High Range	636000	3540
	25	Low Range	630834	3462.51
		Middle Range	633332	3750
		High Range	635834	3537.51
	30	Low Range	631000	3465
		Middle Range	633332	3499.98
		High Range	635666	3534.99
	40	Low Range	631334	3470.01
		Middle Range	633332	3499.98
		High Range	635332	3529.98
	50	Low Range	631668	3475.02
		Middle Range	633332	3499.98
		High Range	635000	3525
	60	Low Range	632000	3480
		Middle Range	633332	3499.98

Test Mode	Channel Bandwidth (MHz)	UL Channel	UL Channel No.	UL Frequency (MHz)
	70	High Range	634666	3519.99
		Low Range	632334	3485.01
		Middle Range	633332	3499.98
	80	High Range	634332	3514.98
		Low Range	632668	3490.02
		Middle Range	633332	3499.98
	90	High Range	634000	3510
		Low Range	633000	3495
		Middle Range	633332	3499.98
	100	High Range	633666	3504.99
		Low Range	633332	3499.98
		Middle Range	633332	3499.98
NR Band n77(3700-3980 MHz)(SCS 30kHz)	10	Low Range	647000	3705
		Middle Range	656000	3840
		High Range	665000	3975
	15	Low Range	647168	3707.52
		Middle Range	656000	3840
		High Range	664832	3972.48
	20	Low Range	647334	3710.01
		Middle Range	656000	3840
		High Range	664666	3969.99
	25	Low Range	647500	3712.5
		Middle Range	656000	3840
		High Range	664500	3967.5
	30	Low Range	647668	3715.02
		Middle Range	656000	3840
		High Range	664332	3964.98
	40	Low Range	648000	3720
		Middle Range	656000	3840
		High Range	664000	3960
	50	Low Range	648334	3725.01
		Middle Range	656000	3840
		High Range	663666	3954.99
	60	Low Range	648668	3730.02
		Middle Range	656000	3840
		High Range	663332	3949.98
	70	Low Range	649000	3735
		Middle Range	656000	3840
		High Range	663000	3945
	80	Low Range	649334	3740.01

Test Mode	Channel Bandwidth (MHz)	UL Channel	UL Channel No.	UL Frequency (MHz)
		Middle Range	656000	3840
		High Range	662666	3939.99
		Low Range	649668	3745.02
	90	Middle Range	656000	3840
		High Range	662332	3934.98
		Low Range	650000	3750
	100	Middle Range	656000	3840
		High Range	662000	3930
		Low Range		

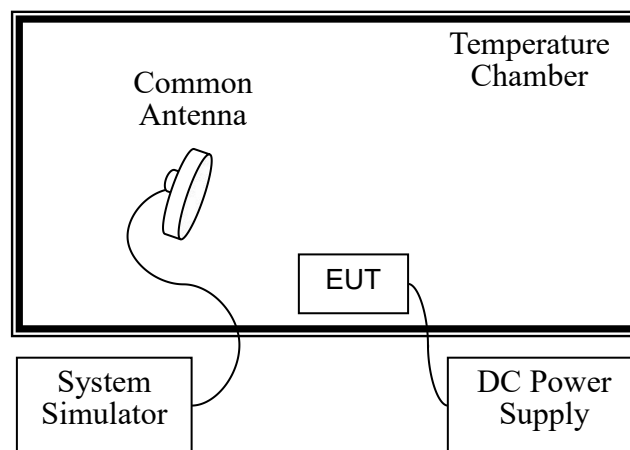
4.4 Test Setup

4.4.1 For Antenna Port Test



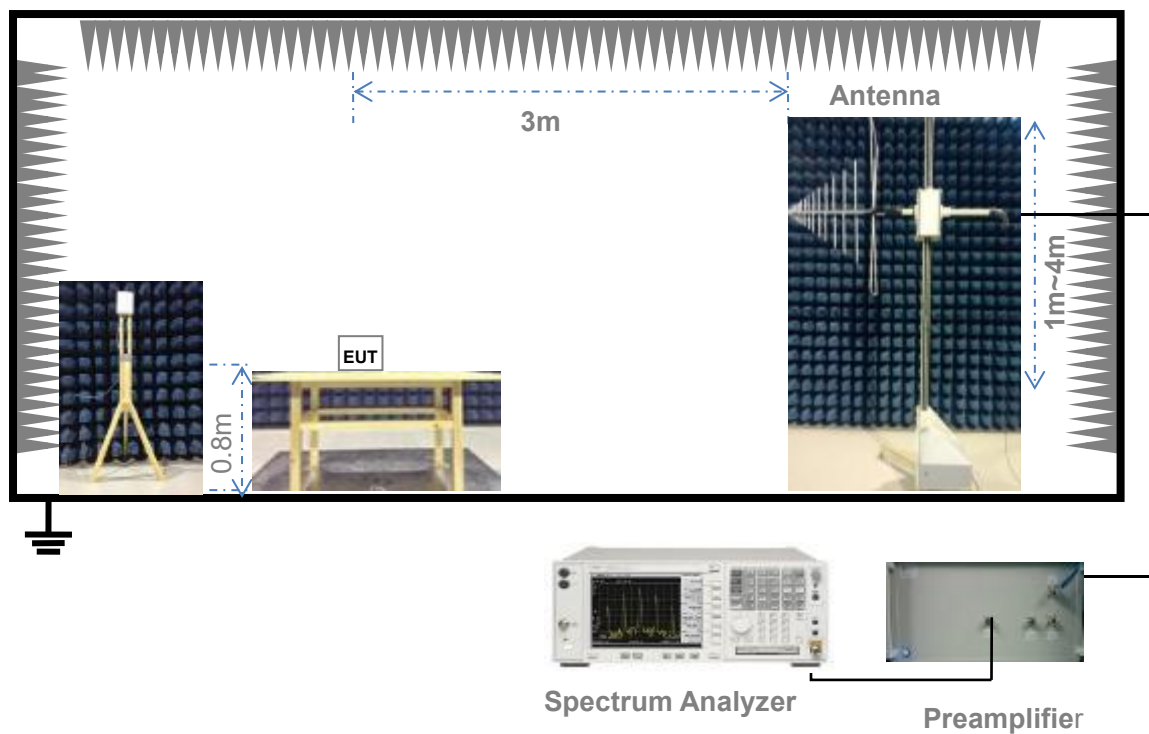
(Diagram 1)

4.4.2 For Frequency Stability Test



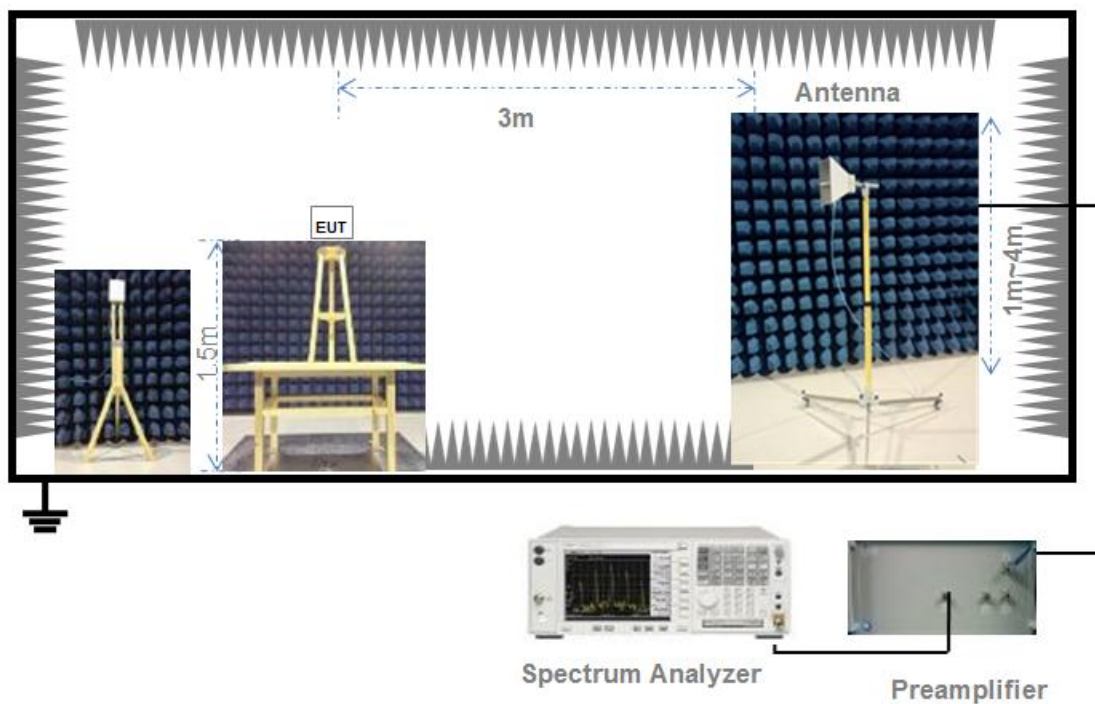
(Diagram 2)

4.4.3 For Radiated Test (30 MHz ~ 1 GHz)



(Diagram 3)

4.4.4 For Radiated Test (Above 1 GHz)



(Diagram 4)

5 TEST ITEMS

5.1 Transmitter Radiated Power (EIRP/ERP)

5.1.1 Limit

FCC § 2.1046 & 22.913(a) & 24.232(c) & 27.50(a) & 27.50(b) & 27.50(c) & 27.50(d) & 27.50(h) & 27.50(j) & 27.50(k) & 90.635(b) & 90.542(a) & 96.41(b)

According to FCC section 22.913(a) (5), the Effective Radiated Power (ERP) of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50(a) (3), for mobile and portable stations transmitting in the 2305-2315MHz band or the 2350-2360MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards.

FCC section 27.50(b) (10), portable stations (hand-held devices) transmitting in the 746-757MHz, 776-788MHz, and 805-806MHz bands are limited to 3 watts ERP.

FCC section 27.50(c) (10), portable stations (hand-held devices) in the 600MHz uplink band and the 698-746MHz band, and fixed and mobile stations in the 600MHz uplink band are limited to 3 watts ERP.

FCC section 27.50(d) (4), fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

(7) Fixed, mobile, and portable (hand-held) stations operating in the 2000-2020 MHz band are limited to 2 watts EIRP.

And FCC section 27.50(h) (2), for mobile and other user stations, mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

FCC section 27.50(j) (3), for mobile, and portable (hand-held) stations operating in the 3700-3980 MHz band are limited to 1 watt EIRP.

FCC section 27.50(k) (3), Mobile devices are limited to 1Watt (30 dBm) EIRP in the 3450-3550 MHz band.

According to FCC section 90.635(b), the maximum output power of the transmitter for mobile stations is 100 watts (20dBW).

According to FCC section 90.542(a) (7), portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

FCC section 96.41(b), the maximum effective isotropic radiated power (EIRP) and maximum Power

Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table in this paragraph below:

Device	Maximum EIRP (dBm/10 megahertz)	Maximum PSD (dBm/MHz)
End User Device	23	N/A
Category A CBSD	30	20
Category B CBSD ^{note1}	47	37
Note1: Category B CBSDs will only be authorized for use after an ESC is approved and commercially deployed consistent with §§ 96.15 and 96.67.		

5.1.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description is used for conducted test, and the section 4.4.3 and 4.4.4 (Diagram 3, 4) test setup description is used for radiated test. The photo of test setup please refer to ANNEX B.

5.1.3 Test Procedure

Description of the Conducted Output Power Measurement

The EUT is coupled to the SS with attenuator through power splitter; the RF load attached to EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. A system simulator is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The relevant equation for determining the conducted measured value is:

$$\text{Conducted Output Power Value (dBm)} = \text{Measured Value (dBm)} + \text{Path Loss (dB)}$$

where:

Conducted Output Power Value = final conducted measured value in the conducted power test, in dBm;

Measured Value = measured conducted power received by spectrum analyzer or power meter, in dBm;

Path Loss = signal attenuation in the connecting cable between the transmitter and spectrum analyzer or power meter, including external cable loss, in dB;

During the test, the data of Path Loss (dB) is added in the spectrum analyzer or power meter, so Measured Value (dBm) is the final values which contains the data of Path Loss (dB).

For example:

In the conducted output power test, when measured value for GSM850 is 24.7 dBm, and path loss is 8.5 dB, then final conducted output power value is:

$$\text{Conducted Output Power Value (dBm)} = 24.7 \text{ dBm} + 8.5 \text{ dB} = 33.2 \text{ dBm}$$

Description of the Transmitter Radiated Power Measurement

In many cases, the RF output power limits for licensed digital transmission devices is specified in terms of effective radiated power (ERP) or equivalent isotropic radiated power (EIRP). Typically, ERP is specified when the operating frequency is less than or equal to 1 GHz and EIRP is specified when the operating frequency is greater than 1 GHz. Both are determined by adding the transmit antenna gain to the conducted RF output power with the primary difference between the two being that when determining the ERP, the transmit antenna gain is referenced to a dipole antenna (i.e., dBd) whereas when determining the EIRP, the transmit antenna gain is referenced to an isotropic antenna (dBi).

Final measurement calculation as below:

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP/EIRP} = P_{\text{Meas}} + \text{GT} - \text{LC}$$

where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

dBd (ERP)=dBi (EIRP) -2.15 dB

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

For example:

In the EIRP test, when P_{Meas} value for GSM1900 is 30.2 dBm, LC is 0.6 dB, and GT is -3.4 dB, then final EIRP value is:

$$\text{EIRP for GSM1900} = 30.2 \text{ dBm} - 3.4 \text{ dBi} - 0.6 \text{ dB} = 26.2 \text{ dBm}$$

The relevant equation for determining the ERP/EIRP from the radiated RF output power is:

$$\text{ERP/EIRP (dBm)} = \text{SA Read Value (dBm)} + \text{Correction Factor (dB)}$$

where:

ERP/EIRP = effective or equivalent radiated power, in dBm;

SA Read Value = measured transmitter power received by EMI receiver or spectrum analyzer, in dBm;

Correction Factor = total correction factor including cable loss, in dB;

During the test, the data of Correction Factor (dB) is added in the EMI receiver or spectrum analyzer, so SA Read Value (dBm) is the final values which contains the data of Correction Factor (dB).

For example:

In the ERP test, when SA read value for GSM850 is 21dBm, and correction factor is 8dB, then final ERP value for GSM850 is:

$$\text{ERP (dBm)} = 21\text{dBm} + 8\text{dB} = 29\text{dBm}$$

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Peak to Average Ratio

5.2.1 Limit

FCC § 2.1046 & 22.913(d) & 24.232(d) & 27.50(d) & 27.50(j) & 27.50(k)

In addition, when the transmitter power is measured in terms of average value, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

According to 22.913(d), Measurement of the ERP of Cellular base transmitters and repeaters must be made using an average power measurement technique. The peak-to-average ratio (PAR) of the transmission must not exceed 13 dB.

According to FCC section 24.232(d), power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with 24.232 (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of § 24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

FCC section 24.232(e), peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.

According to FCC section 27.50(d) (5) & 27.50(j) & 27.50(k), in measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

5.2.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description is used for this test. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Here the lowest, middle and highest channels are selected to perform testing to verify the peak-to-average ratio.

According to KDB 971168 D01, there is CCDF procedure for PAPR:

- a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
- b) Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;

d) Set the measurement interval as follows:

1) for continuous transmissions, set to 1 ms,

2) for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.

e) Record the maximum PAPR level associated with a probability of 0.1%.

Alternate procedure for PAPR:

Use one of the procedures presented in 4.1 to measure the total peak power and record as P_{Pk} . Use one of the applicable procedures presented 4.2 to measure the total average power and record as P_{Avg} . Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm). Determine the PAPR from:

$$PAPR (dB) = P_{Pk} (dBm) - P_{Avg} (dBm).$$

5.2.4 Test Result

Please refer to ANNEX A.2.

5.3 Occupied Bandwidth

5.3.1 Limit

FCC § 2.1049

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission.

Many of the individual rule parts specify a relative OBW in lieu of the 99% OBW. In such cases, the OBW is defined as the width of the signal between two points, one below the carrier center frequency and on above the carrier center frequency, outside of which all emissions are attenuated by at least X dB below the transmitter power, where the value of X is typically specified as 26.

5.3.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description is used for this test. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

The following procedure shall be used for measuring power bandwidth.

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the anticipated OBW).
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- c) Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.
- d) NOTE—Steps a) through c) may require iteration to adjust within the specified tolerances.
- e) For -26 dB OBW, the dynamic range of the spectrum analyzer at the selected RBW shall be at least 10dB below the target “-X dB down” requirement, e.g. -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be 36dB below the reference value.
- f) Set the detection mode to peak, and the trace mode to max hold.
- g) For 99% OBW, use the 99 % power bandwidth function of the spectrum analyzer (if available) and report the measured bandwidth.

If the instrument does not have a 99 % power bandwidth function, the trace data points are to be recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is

recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99 % power bandwidth is the difference between these two frequencies.

h) For -26 dB OBW, determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).

Determine the “-X dB down amplitude” as equal to (reference value -X). Alternatively, this calculation can be performed by the analyzer by using the marker-delta function.

Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below “-X dB down amplitude” determined in step g). If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.

i) The OBW shall be reported by providing plot(s) of the measuring instrument display. The frequency and amplitude axes and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

j) Change variable modulations, coding, or channel bandwidth settings, then repeat above test procedures.

5.3.4 Test Result

Please refer to ANNEX A.3.

5.4 Frequency Stability

5.4.1 Limit

FCC § 2.1055 & 22.355 & 24.235 & 27.54 & 90.213

FCC § 2.1055

The frequency stability shall be measured with variation of ambient temperature as follows:

- (1) The temperature is varied from -30°C to +50°C.
- (2) Frequency measurements shall be made at the extremes of the specified temperature range and at intervals of not more than 10°C through the range.

The frequency stability shall be measured with variation of primary supply voltage as follows:

- (1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than carried battery equipment.
- (2) For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating and point which shall be specified by the manufacture.
- (3) The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

FCC § 22.355

Except as otherwise provided in this part, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table C-1 of this section.

Table C-1—Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency range (MHz)	Base, fixed (ppm)	Mobile > 3 watts (ppm)	Mobile ≤ 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929	5.0	n/a	n/a
929 to 960	1.5	n/a	n/a
2110 to 2220	10.0	n/a	n/a

FCC § 24.235

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

FCC § 27.54

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

FCC § 90.213

The frequency stability shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

5.4.2 Test Setup

The section 4.4.2 (Diagram 2) test setup description is used for this test. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

1. The EUT is placed in a temperature chamber.
2. The temperature is set to 25°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured.
3. The temperature is increased by not more than 10 degrees, allowed to stabilize and soak, and then repeat the frequency error measurement.
4. Repeat procedure 3 until +50°C and -30°C is reached.
5. Change supply voltage, and repeat measurement until extreme voltage is reached.

5.4.4 Test Result

Please refer to ANNEX A.4.

5.5 Spurious Emission at Antenna Terminals

5.5.1 Limit

FCC § 2.1051 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(f) & 27.53(g) & 27.53(h) & 27.53(l) & 27.53(m) & 27.53(n) & 90.691 & 90.543 & 96.41(e)

In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC § 22.917(a) & 24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. This is calculated to be -13 dBm.

FCC § 27.53(a) (4)

For mobile and portable stations operating in the 2305-2315MHz and 2350-2360MHz bands:

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

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

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

FCC § 27.53(c)

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746–758 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 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;

(3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations;

(4) 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;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth

of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

FCC § 27.53(f)

For operations in the 746–758 MHz, 775–788 MHz, and 805–806 MHz bands, emissions in the band 1559–1610 MHz shall be limited to - 70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43+10*\log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC § 27.53(h) (1)

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.

FCC § 27.53(l) (2)

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 27.53(m) (4)

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

- $40 + 10 \log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- $43 + 10 \log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,
- $55 + 10 \log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

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.

FCC § 27.53(n) (2)

For mobile operations in the 3450 - 3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 90.691

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) 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.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ 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 37.5 kHz.

(b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

FCC § 90.543

(e) For operations in the 758 – 768 MHz and the 788 – 798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On all frequencies between 769 – 775 MHz and 799 – 805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769 – 775 MHz and 799 – 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.

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

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

(f) 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 equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC § 96.41(e)

The conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any emission shall not exceed -25 dBm/MHz. The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

5.5.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log(P)$ dB. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands

immediately outside and adjacent to the frequency blocks a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

1. The EUT is coupled to the system simulator and spectrum analyzer; the RF load attached to EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading.
2. CMW500 is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power.
3. The RF output of the transmitter is connected to the input of the spectrum analyzer through sufficient attenuation.
4. Spurious emissions are tested with 0.001MHz RBW for frequency less than 150kHz, 0.01MHz RBW for frequency less than 30MHz, 0.1MHz RBW for frequency less than 1GHz, and 1MHz RBW for frequency above 1GHz. And sweep point number are at least 401, referring to following formula.

Sweep point number = Span/RBW

VBW=3*RBW

Detector Mode=mean or average power

5. Record the frequencies and levels of spurious emissions.

5.5.4 Test Result

Please refer to ANNEX A.5.

5.6 Band Edge

5.6.1 Limit

FCC § 2.1051 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(g) & 27.53(h) & 27.53(l) & 27.53(m) & 27.53(n) & 90.691 & 90.543 & 96.41(e)

In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC § 22.917(a) & 24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. This is calculated to be -13 dBm.

FCC § 27.53(a) (4)

For mobile and portable stations operating in the 2305-2315MHz and 2350-2360MHz bands:

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

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

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

FCC § 27.53(c)

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746–758 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 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;

(3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations;

(4) 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;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth

of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43+10*\log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC § 27.53(h) (1)

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.

FCC § 27.53(l) (2)

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 27.53(m) (4)

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

- $40+10\log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- $43+10\log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,

- $55 + 10 \log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

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.

FCC § 27.53(n) (2)

For mobile operations in the 3450 - 3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 90.691

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) 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.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ 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 37.5 kHz.

(b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

FCC § 90.543

(e) For operations in the 758 – 768 MHz and the 788 – 798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On all frequencies between 769 – 775 MHz and 799 – 805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769 – 775 MHz and 799 – 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.

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

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

FCC § 96.41(e)

The conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any emission shall not exceed -25 dBm/MHz. The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

5.6.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.6.3 Test Procedure

The EUT, which is powered by the Battery, is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading.

1. The EUT is coupled to the system simulator and spectrum analyzer; the RF load attached to EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading.

2. CMW500 is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power.

3. The RF output of the transmitter is connected to the input of the spectrum analyzer through sufficient attenuation.

4. The center of the spectrum analyzer was set to block edge frequency.

5. Band edge are tested with 1%*cBW (RBW), and sweep point number referred to following formula.

$$\text{Sweep point number} = 2 * \text{Span} / \text{RBW}$$

$$\text{VBW} = 3 \text{RBW}$$

6. Record the frequencies and levels of spurious emissions.

For mobile and portable stations, 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. Since it was not possible to set the resolution bandwidth to 6.25 kHz with the available equipment, a bandwidth of 10 kHz was used instead to show compliance. By using a 10 kHz bandwidth on the spectrum analyzer.

$$10 \cdot \log(10 \text{ kHz} / 6.25 \text{ kHz}) = 2.04 \text{ dB}$$

$$\text{Limit Line} = -35 \text{ dBm} + 2.04 \text{ dB} = -32.96 \text{ dBm}$$

5.6.4 Test Result

Please refer to ANNEX A.6.

5.7 Field Strength of Spurious Radiation

5.7.1 Limit

FCC § 2.1053 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(f) & 27.53(g) & 27.53(h) & 27.53(l) & 27.53(m) & 27.53(n) & 90.691 & 90.543 & 96.41(e)

FCC § 22.917(a) & 24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. This is calculated to be -13 dBm.

FCC § 27.53(a) (4)

For mobile and portable stations operating in the 2305-2315MHz and 2350-2360MHz bands:

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

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

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

FCC § 27.53(c)

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746–758 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 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;

(3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;

(4) 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;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of

measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth

of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

FCC § 27.53(f)

For operations in the 746–758 MHz, 775–788 MHz, and 805–806 MHz bands, emissions in the band 1559–1610 MHz shall be limited to - 70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43+10\log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC § 27.53(h) (1)

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

FCC § 27.53(i) (2)

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 27.53(m) (4)

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

- $40+10\log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- $43+10\log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,
- $55+10\log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

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.

FCC § 27.53(n) (2)

For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 90.691

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) 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.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ 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 37.5 kHz.

(b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

FCC § 90.543

(e) For operations in the 758–768 MHz and the 788–798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.

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

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

(f) 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 equivalent isotropically radiated power (EIRP) for

wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC § 96.41(e)

The conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any emission shall not exceed -25 dBm/MHz. The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

5.7.2 Test Setup

The section 4.4.3 and 4.4.4 (Diagram 3, 4) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.7.3 Test Procedure

1. On a test site, the EUT shall be placed at 80cm height on a turn table, and in the position close to normal use as declared by the applicant.
2. The test antenna shall be oriented initially for vertical polarization located 3 m from EUT to correspond to the fundamental frequency of the transmitter.
3. The output of the test antenna shall be connected to the measuring receiver and the peak detector is used for the measurement.
4. During the measurement of the EUT, the resolution bandwidth was to 1 MHz and the average bandwidth was set to 1 MHz.
5. The transmitter shall be switched on; the measuring receiver shall be tuned to the frequency of the transmitter under test.
6. The test antenna shall be raised and lowered through the specified range of height until the maximum

signal level is detected by the measuring receiver.

7. The transmitter shall be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.

8. The test antenna shall be raised and lowered again through the specified range of height until the maximum signal level is detected by the measuring receiver.

9. The maximum signal level detected by the measuring receiver shall be noted.

10. The EUT was replaced by half-wave dipole (824 ~ 849 MHz) or horn antenna (1 850 ~ 1 910 MHz) connected to a signal generator.

11. In necessary, the input attenuator setting on the measuring receiver shall be adjusted in order to increase

the sensitivity of the measuring receiver.

12. The test antenna shall be raised and lowered through the specified range of height to ensure that the maximum signal is received.

13. The input signal to the substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, which is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuator setting of the measuring receiver.

14. 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.

15. The measurement shall be repeated with the test antenna and the substitution antenna orientated for horizontal polarization.

Final measurement calculation as below:

The relevant equation for determining the ERP/EIRP from the radiated RF output power is:

$$\text{ERP/EIRP (dBm)} = \text{SA Read Value (dBm)} + \text{Correction Factor (dB)}$$

where:

ERP/EIRP = effective or equivalent radiated power, in dBm;

SA Read Value = measured transmitter power received by EMI receiver or spectrum analyzer, in dBm;

Correction Factor = total correction factor including cable loss, in dB;

During the test, the data of Correction Factor (dB) is added in the EMI receiver or spectrum analyzer, so SA Read Value (dBm) is the final values which contains the data of Correction Factor (dB).

For example:

In the ERP test, when SA read value for GSM850 is 21dBm, and correction factor is 8dB, then final ERP value for GSM850 is:

$$\text{ERP (dBm)} = 21\text{dBm} + 8\text{dB} = 29\text{dBm}$$

5.7.4 Test Result

Please refer to ANNEX A.7.

ANNEX A TEST RESULTS

A.1 Transmitter Radiated Power (EIRP/ERP)

Note1 :The other band's results of the Transmitter Radiated Power (EIRP/ERP) please refer to the report in the following test reports (all issued by Shenzhen Accurate Technology Co., Ltd. with original FCC ID: XHG-CG890):

Report No. RA230104-00558E-RF-00E (issued Feb. 27, 2023)

Report No. RA230104-00558E-RF-00C (issued Mar. 22, 2023)

Report No. RA230104-00558E-RF-00F (issued Mar. 17, 2023)

Report No. RA230104-00558E-RF-00D (issued Mar. 16, 2023)

LTE Mode Test Data

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
1.4 MHz	LCH	QPSK	RB1#0	22.4	3.262	25.66	0.368	2.000	Pass
			RB1#3	22.48	3.262	25.74	0.375	2.000	Pass
			RB1#5	22.43	3.262	25.69	0.371	2.000	Pass
			RB3#0	22.38	3.262	25.64	0.367	2.000	Pass
			RB3#2	22.39	3.262	25.65	0.367	2.000	Pass
			RB3#3	22.39	3.262	25.65	0.367	2.000	Pass
			RB6#0	21.41	3.262	24.67	0.293	2.000	Pass
		16-QAM	RB1#0	21.66	3.262	24.92	0.311	2.000	Pass
			RB1#3	21.6	3.262	24.86	0.306	2.000	Pass
			RB1#5	21.57	3.262	24.83	0.304	2.000	Pass
			RB3#0	21.62	3.262	24.88	0.308	2.000	Pass
			RB3#2	21.58	3.262	24.84	0.305	2.000	Pass
			RB3#3	21.6	3.262	24.86	0.306	2.000	Pass
			RB6#0	20.55	3.262	23.81	0.241	2.000	Pass
	MCH	QPSK	RB1#0	22.18	3.262	25.44	0.350	2.000	Pass
			RB1#3	22.2	3.262	25.46	0.352	2.000	Pass
			RB1#5	22.29	3.262	25.55	0.359	2.000	Pass
			RB3#0	22.18	3.262	25.44	0.350	2.000	Pass
			RB3#2	22.25	3.262	25.51	0.356	2.000	Pass
			RB3#3	22.19	3.262	25.45	0.351	2.000	Pass
			RB6#0	21.18	3.262	24.44	0.278	2.000	Pass
		16-QAM	RB1#0	21.62	3.262	24.88	0.308	2.000	Pass
			RB1#3	21.74	3.262	25.00	0.316	2.000	Pass
			RB1#5	21.52	3.262	24.78	0.301	2.000	Pass
			RB3#0	21.4	3.262	24.66	0.293	2.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
3 MHz	HCH		RB3#2	21.41	3.262	24.67	0.293	2.000	Pass
			RB3#3	21.39	3.262	24.65	0.292	2.000	Pass
			RB6#0	20.24	3.262	23.50	0.224	2.000	Pass
		QPSK	RB1#0	22.3	3.262	25.56	0.360	2.000	Pass
			RB1#3	22.28	3.262	25.54	0.358	2.000	Pass
			RB1#5	22.26	3.262	25.52	0.357	2.000	Pass
			RB3#0	22.33	3.262	25.59	0.362	2.000	Pass
			RB3#2	22.27	3.262	25.53	0.357	2.000	Pass
			RB3#3	22.29	3.262	25.55	0.359	2.000	Pass
			RB6#0	21.36	3.262	24.62	0.290	2.000	Pass
		16-QAM	RB1#0	21.6	3.262	24.86	0.306	2.000	Pass
			RB1#3	21.66	3.262	24.92	0.311	2.000	Pass
			RB1#5	21.66	3.262	24.92	0.311	2.000	Pass
			RB3#0	21.5	3.262	24.76	0.299	2.000	Pass
			RB3#2	21.58	3.262	24.84	0.305	2.000	Pass
			RB3#3	21.53	3.262	24.79	0.301	2.000	Pass
			RB6#0	20.42	3.262	23.68	0.233	2.000	Pass
3 MHz	LCH	QPSK	RB1#0	22.35	3.262	25.61	0.364	2.000	Pass
			RB1#7	22.46	3.262	25.72	0.373	2.000	Pass
			RB1#14	22.42	3.262	25.68	0.370	2.000	Pass
			RB8#0	21.47	3.262	24.73	0.297	2.000	Pass
			RB8#4	21.47	3.262	24.73	0.297	2.000	Pass
			RB8#7	21.46	3.262	24.72	0.297	2.000	Pass
			RB15#0	21.48	3.262	24.74	0.298	2.000	Pass
		16-QAM	RB1#0	21.86	3.262	25.12	0.325	2.000	Pass
			RB1#7	22.04	3.262	25.30	0.339	2.000	Pass
			RB1#14	21.91	3.262	25.17	0.329	2.000	Pass
			RB8#0	20.54	3.262	23.80	0.240	2.000	Pass
			RB8#4	20.58	3.262	23.84	0.242	2.000	Pass
			RB8#7	20.58	3.262	23.84	0.242	2.000	Pass
			RB15#0	20.51	3.262	23.77	0.238	2.000	Pass
	MCH	QPSK	RB1#0	22.3	3.262	25.56	0.360	2.000	Pass
			RB1#7	22.29	3.262	25.55	0.359	2.000	Pass
			RB1#14	22.31	3.262	25.57	0.361	2.000	Pass
			RB8#0	21.25	3.262	24.51	0.283	2.000	Pass
			RB8#4	21.28	3.262	24.54	0.285	2.000	Pass
			RB8#7	21.23	3.262	24.49	0.281	2.000	Pass
			RB15#0	21.25	3.262	24.51	0.283	2.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
	HCH	16-QAM	RB1#0	21.65	3.262	24.91	0.310	2.000	Pass
			RB1#7	21.68	3.262	24.94	0.312	2.000	Pass
			RB1#14	21.68	3.262	24.94	0.312	2.000	Pass
			RB8#0	20.33	3.262	23.59	0.229	2.000	Pass
			RB8#4	20.4	3.262	23.66	0.232	2.000	Pass
			RB8#7	20.34	3.262	23.60	0.229	2.000	Pass
			RB15#0	20.27	3.262	23.53	0.226	2.000	Pass
		QPSK	RB1#0	22.35	3.262	25.61	0.364	2.000	Pass
			RB1#7	22.36	3.262	25.62	0.365	2.000	Pass
			RB1#14	22.29	3.262	25.55	0.359	2.000	Pass
			RB8#0	21.34	3.262	24.60	0.289	2.000	Pass
			RB8#4	21.33	3.262	24.59	0.288	2.000	Pass
			RB8#7	21.34	3.262	24.60	0.289	2.000	Pass
			RB15#0	21.33	3.262	24.59	0.288	2.000	Pass
		16-QAM	RB1#0	21.77	3.262	25.03	0.319	2.000	Pass
			RB1#7	21.78	3.262	25.04	0.319	2.000	Pass
			RB1#14	21.56	3.262	24.82	0.304	2.000	Pass
			RB8#0	20.4	3.262	23.66	0.232	2.000	Pass
			RB8#4	20.38	3.262	23.64	0.231	2.000	Pass
			RB8#7	20.45	3.262	23.71	0.235	2.000	Pass
			RB15#0	20.36	3.262	23.62	0.230	2.000	Pass
5 MHz	LCH	QPSK	RB1#0	22.57	3.262	25.83	0.383	2.000	Pass
			RB1#13	22.5	3.262	25.76	0.377	2.000	Pass
			RB1#24	22.54	3.262	25.80	0.380	2.000	Pass
			RB12#0	21.49	3.262	24.75	0.299	2.000	Pass
			RB12#6	21.52	3.262	24.78	0.301	2.000	Pass
			RB12#13	21.47	3.262	24.73	0.297	2.000	Pass
			RB25#0	21.48	3.262	24.74	0.298	2.000	Pass
		16-QAM	RB1#0	21.92	3.262	25.18	0.330	2.000	Pass
			RB1#13	21.9	3.262	25.16	0.328	2.000	Pass
			RB1#24	21.91	3.262	25.17	0.329	2.000	Pass
			RB12#0	20.48	3.262	23.74	0.237	2.000	Pass
			RB12#6	20.51	3.262	23.77	0.238	2.000	Pass
			RB12#13	20.47	3.262	23.73	0.236	2.000	Pass
			RB25#0	20.52	3.262	23.78	0.239	2.000	Pass
	MCH	QPSK	RB1#0	22.24	3.262	25.50	0.355	2.000	Pass
			RB1#13	22.28	3.262	25.54	0.358	2.000	Pass
			RB1#24	22.25	3.262	25.51	0.356	2.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
			RB12#0	21.21	3.262	24.47	0.280	2.000	Pass
			RB12#6	21.27	3.262	24.53	0.284	2.000	Pass
			RB12#13	21.25	3.262	24.51	0.283	2.000	Pass
			RB25#0	21.27	3.262	24.53	0.284	2.000	Pass
		16-QAM	RB1#0	21.81	3.262	25.07	0.322	2.000	Pass
			RB1#13	21.67	3.262	24.93	0.311	2.000	Pass
			RB1#24	21.73	3.262	24.99	0.316	2.000	Pass
			RB12#0	20.28	3.262	23.54	0.226	2.000	Pass
			RB12#6	20.34	3.262	23.60	0.229	2.000	Pass
			RB12#13	20.32	3.262	23.58	0.228	2.000	Pass
			RB25#0	20.33	3.262	23.59	0.229	2.000	Pass
	HCH	QPSK	RB1#0	22.35	3.262	25.61	0.364	2.000	Pass
			RB1#13	22.47	3.262	25.73	0.374	2.000	Pass
			RB1#24	22.35	3.262	25.61	0.364	2.000	Pass
			RB12#0	21.41	3.262	24.67	0.293	2.000	Pass
			RB12#6	21.49	3.262	24.75	0.299	2.000	Pass
			RB12#13	21.45	3.262	24.71	0.296	2.000	Pass
			RB25#0	21.47	3.262	24.73	0.297	2.000	Pass
		16-QAM	RB1#0	21.82	3.262	25.08	0.322	2.000	Pass
			RB1#13	21.92	3.262	25.18	0.330	2.000	Pass
			RB1#24	21.77	3.262	25.03	0.319	2.000	Pass
			RB12#0	20.43	3.262	23.69	0.234	2.000	Pass
			RB12#6	20.49	3.262	23.75	0.237	2.000	Pass
			RB12#13	20.44	3.262	23.70	0.235	2.000	Pass
			RB25#0	20.51	3.262	23.77	0.238	2.000	Pass
10 MHz	LCH	QPSK	RB1#0	22.38	3.262	25.64	0.367	2.000	Pass
			RB1#25	22.43	3.262	25.69	0.371	2.000	Pass
			RB1#49	22.34	3.262	25.60	0.363	2.000	Pass
			RB25#0	21.43	3.262	24.69	0.295	2.000	Pass
			RB25#13	21.48	3.262	24.74	0.298	2.000	Pass
			RB25#25	21.48	3.262	24.74	0.298	2.000	Pass
		16-QAM	RB50#0	21.5	3.262	24.76	0.299	2.000	Pass
			RB1#0	21.87	3.262	25.13	0.326	2.000	Pass
			RB1#25	21.98	3.262	25.24	0.334	2.000	Pass
			RB1#49	21.82	3.262	25.08	0.322	2.000	Pass
			RB25#0	20.38	3.262	23.64	0.231	2.000	Pass
			RB25#13	20.49	3.262	23.75	0.237	2.000	Pass
			RB25#25	20.46	3.262	23.72	0.236	2.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
	MCH	QPSK	RB50#0	20.47	3.262	23.73	0.236	2.000	Pass
			RB1#0	22.24	3.262	25.50	0.355	2.000	Pass
			RB1#25	22.32	3.262	25.58	0.362	2.000	Pass
			RB1#49	22.27	3.262	25.53	0.357	2.000	Pass
			RB25#0	21.2	3.262	24.46	0.279	2.000	Pass
			RB25#13	21.3	3.262	24.56	0.286	2.000	Pass
			RB25#25	21.28	3.262	24.54	0.285	2.000	Pass
		16-QAM	RB50#0	21.3	3.262	24.56	0.286	2.000	Pass
			RB1#0	21.49	3.262	24.75	0.299	2.000	Pass
			RB1#25	21.66	3.262	24.92	0.311	2.000	Pass
			RB1#49	21.49	3.262	24.75	0.299	2.000	Pass
			RB25#0	20.27	3.262	23.53	0.226	2.000	Pass
			RB25#13	20.32	3.262	23.58	0.228	2.000	Pass
			RB25#25	20.28	3.262	23.54	0.226	2.000	Pass
			RB50#0	20.33	3.262	23.59	0.229	2.000	Pass
	HCH	QPSK	RB1#0	22.43	3.262	25.69	0.371	2.000	Pass
			RB1#25	22.44	3.262	25.70	0.372	2.000	Pass
			RB1#49	22.33	3.262	25.59	0.362	2.000	Pass
			RB25#0	21.41	3.262	24.67	0.293	2.000	Pass
			RB25#13	21.42	3.262	24.68	0.294	2.000	Pass
			RB25#25	21.47	3.262	24.73	0.297	2.000	Pass
			RB50#0	21.39	3.262	24.65	0.292	2.000	Pass
		16-QAM	RB1#0	21.8	3.262	25.06	0.321	2.000	Pass
			RB1#25	21.72	3.262	24.98	0.315	2.000	Pass
			RB1#49	21.66	3.262	24.92	0.311	2.000	Pass
			RB25#0	20.46	3.262	23.72	0.236	2.000	Pass
			RB25#13	20.43	3.262	23.69	0.234	2.000	Pass
			RB25#25	20.48	3.262	23.74	0.237	2.000	Pass
			RB50#0	20.4	3.262	23.66	0.232	2.000	Pass
15 MHz	LCH	QPSK	RB1#0	22.22	3.262	25.48	0.353	2.000	Pass
			RB1#38	22.26	3.262	25.52	0.357	2.000	Pass
			RB1#74	22.21	3.262	25.47	0.353	2.000	Pass
			RB36#0	21.38	3.262	24.64	0.291	2.000	Pass
			RB36#19	21.43	3.262	24.69	0.295	2.000	Pass
			RB36#39	21.39	3.262	24.65	0.292	2.000	Pass
			RB75#0	21.38	3.262	24.64	0.291	2.000	Pass
		16-QAM	RB1#0	21.63	3.262	24.89	0.308	2.000	Pass
			RB1#38	21.67	3.262	24.93	0.311	2.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
	MCH		RB1#74	21.49	3.262	24.75	0.299	2.000	Pass
			RB36#0	20.41	3.262	23.67	0.233	2.000	Pass
			RB36#19	20.43	3.262	23.69	0.234	2.000	Pass
			RB36#39	20.39	3.262	23.65	0.232	2.000	Pass
			RB75#0	20.4	3.262	23.66	0.232	2.000	Pass
		QPSK	RB1#0	22.17	3.262	25.43	0.349	2.000	Pass
			RB1#38	22.15	3.262	25.41	0.348	2.000	Pass
			RB1#74	22.13	3.262	25.39	0.346	2.000	Pass
			RB36#0	21.16	3.262	24.42	0.277	2.000	Pass
			RB36#19	21.26	3.262	24.52	0.283	2.000	Pass
			RB36#39	21.24	3.262	24.50	0.282	2.000	Pass
			RB75#0	21.22	3.262	24.48	0.281	2.000	Pass
		16-QAM	RB1#0	21.42	3.262	24.68	0.294	2.000	Pass
			RB1#38	21.55	3.262	24.81	0.303	2.000	Pass
			RB1#74	21.58	3.262	24.84	0.305	2.000	Pass
			RB36#0	20.21	3.262	23.47	0.222	2.000	Pass
			RB36#19	20.28	3.262	23.54	0.226	2.000	Pass
			RB36#39	20.27	3.262	23.53	0.226	2.000	Pass
			RB75#0	20.24	3.262	23.50	0.224	2.000	Pass
	HCH	QPSK	RB1#0	22.27	3.262	25.53	0.357	2.000	Pass
			RB1#38	22.38	3.262	25.64	0.367	2.000	Pass
			RB1#74	22.2	3.262	25.46	0.352	2.000	Pass
			RB36#0	21.26	3.262	24.52	0.283	2.000	Pass
			RB36#19	21.39	3.262	24.65	0.292	2.000	Pass
			RB36#39	21.36	3.262	24.62	0.290	2.000	Pass
			RB75#0	21.37	3.262	24.63	0.291	2.000	Pass
		16-QAM	RB1#0	21.39	3.262	24.65	0.292	2.000	Pass
			RB1#38	21.66	3.262	24.92	0.311	2.000	Pass
			RB1#74	21.6	3.262	24.86	0.306	2.000	Pass
			RB36#0	20.35	3.262	23.61	0.230	2.000	Pass
			RB36#19	20.45	3.262	23.71	0.235	2.000	Pass
			RB36#39	20.38	3.262	23.64	0.231	2.000	Pass
			RB75#0	20.4	3.262	23.66	0.232	2.000	Pass
20 MHz	LCH	QPSK	RB1#0	22.32	3.262	25.58	0.362	2.000	Pass
			RB1#50	22.29	3.262	25.55	0.359	2.000	Pass
			RB1#99	22.23	3.262	25.49	0.354	2.000	Pass
			RB50#0	21.34	3.262	24.60	0.289	2.000	Pass
			RB50#25	21.39	3.262	24.65	0.292	2.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
		16-QAM	RB50#50	21.34	3.262	24.60	0.289	2.000	Pass
			RB100#0	21.37	3.262	24.63	0.291	2.000	Pass
			RB1#0	21.75	3.262	25.01	0.317	2.000	Pass
			RB1#50	21.67	3.262	24.93	0.311	2.000	Pass
			RB1#99	21.7	3.262	24.96	0.313	2.000	Pass
			RB50#0	20.35	3.262	23.61	0.230	2.000	Pass
			RB50#25	20.43	3.262	23.69	0.234	2.000	Pass
			RB50#50	20.37	3.262	23.63	0.231	2.000	Pass
			RB100#0	20.41	3.262	23.67	0.233	2.000	Pass
	MCH	QPSK	RB1#0	22.15	3.262	25.41	0.348	2.000	Pass
			RB1#50	22.17	3.262	25.43	0.349	2.000	Pass
			RB1#99	22.16	3.262	25.42	0.348	2.000	Pass
			RB50#0	21.21	3.262	24.47	0.280	2.000	Pass
			RB50#25	21.31	3.262	24.57	0.287	2.000	Pass
			RB50#50	21.26	3.262	24.52	0.283	2.000	Pass
			RB100#0	21.27	3.262	24.53	0.284	2.000	Pass
		16-QAM	RB1#0	21.64	3.262	24.90	0.309	2.000	Pass
			RB1#50	21.79	3.262	25.05	0.320	2.000	Pass
			RB1#99	21.67	3.262	24.93	0.311	2.000	Pass
			RB50#0	20.2	3.262	23.46	0.222	2.000	Pass
			RB50#25	20.29	3.262	23.55	0.227	2.000	Pass
			RB50#50	20.3	3.262	23.56	0.227	2.000	Pass
			RB100#0	20.28	3.262	23.54	0.226	2.000	Pass
	HCH	QPSK	RB1#0	22.16	3.262	25.42	0.348	2.000	Pass
			RB1#50	22.19	3.262	25.45	0.351	2.000	Pass
			RB1#99	22.22	3.262	25.48	0.353	2.000	Pass
			RB50#0	21.3	3.262	24.56	0.286	2.000	Pass
			RB50#25	21.34	3.262	24.60	0.289	2.000	Pass
			RB50#50	21.4	3.262	24.66	0.293	2.000	Pass
			RB100#0	21.32	3.262	24.58	0.287	2.000	Pass
		16-QAM	RB1#0	21.49	3.262	24.75	0.299	2.000	Pass
			RB1#50	21.65	3.262	24.91	0.310	2.000	Pass
			RB1#99	21.46	3.262	24.72	0.297	2.000	Pass
			RB50#0	20.34	3.262	23.60	0.229	2.000	Pass
			RB50#25	20.34	3.262	23.60	0.229	2.000	Pass
			RB50#50	20.42	3.262	23.68	0.233	2.000	Pass
			RB100#0	20.3	3.262	23.56	0.227	2.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part 22)										
1.4 MHz	LCH	QPSK	RB1#0	22.45	1.998	-0.152	22.30	0.170	7.000	Pass
			RB1#3	22.52	1.998	-0.152	22.37	0.173	7.000	Pass
			RB1#5	22.43	1.998	-0.152	22.28	0.169	7.000	Pass
			RB3#0	22.47	1.998	-0.152	22.32	0.171	7.000	Pass
			RB3#2	22.46	1.998	-0.152	22.31	0.170	7.000	Pass
			RB3#3	22.47	1.998	-0.152	22.32	0.171	7.000	Pass
			RB6#0	21.45	1.998	-0.152	21.30	0.135	7.000	Pass
		16-QAM	RB1#0	21.78	1.998	-0.152	21.63	0.145	7.000	Pass
			RB1#3	21.84	1.998	-0.152	21.69	0.148	7.000	Pass
			RB1#5	21.79	1.998	-0.152	21.64	0.146	7.000	Pass
			RB3#0	21.66	1.998	-0.152	21.51	0.142	7.000	Pass
			RB3#2	21.7	1.998	-0.152	21.55	0.143	7.000	Pass
			RB3#3	21.69	1.998	-0.152	21.54	0.142	7.000	Pass
			RB6#0	20.53	1.998	-0.152	20.38	0.109	7.000	Pass
	MCH	QPSK	RB1#0	22.28	1.998	-0.152	22.13	0.163	7.000	Pass
			RB1#3	22.44	1.998	-0.152	22.29	0.169	7.000	Pass
			RB1#5	22.42	1.998	-0.152	22.27	0.169	7.000	Pass
			RB3#0	22.32	1.998	-0.152	22.17	0.165	7.000	Pass
			RB3#2	22.35	1.998	-0.152	22.20	0.166	7.000	Pass
			RB3#3	22.37	1.998	-0.152	22.22	0.167	7.000	Pass
			RB6#0	21.29	1.998	-0.152	21.14	0.130	7.000	Pass
		16-QAM	RB1#0	21.48	1.998	-0.152	21.33	0.136	7.000	Pass
			RB1#3	21.62	1.998	-0.152	21.47	0.140	7.000	Pass
			RB1#5	21.57	1.998	-0.152	21.42	0.139	7.000	Pass
			RB3#0	21.46	1.998	-0.152	21.31	0.135	7.000	Pass
			RB3#2	21.51	1.998	-0.152	21.36	0.137	7.000	Pass
			RB3#3	21.43	1.998	-0.152	21.28	0.134	7.000	Pass
			RB6#0	20.34	1.998	-0.152	20.19	0.104	7.000	Pass
	HCH	QPSK	RB1#0	22.2	1.998	-0.152	22.05	0.160	7.000	Pass
			RB1#3	22.23	1.998	-0.152	22.08	0.161	7.000	Pass
			RB1#5	22.21	1.998	-0.152	22.06	0.161	7.000	Pass
			RB3#0	22.2	1.998	-0.152	22.05	0.160	7.000	Pass
			RB3#2	22.18	1.998	-0.152	22.03	0.160	7.000	Pass
			RB3#3	22.19	1.998	-0.152	22.04	0.160	7.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part 22)										
3 MHz		16-QAM	RB6#0	21.18	1.998	-0.152	21.03	0.127	7.000	Pass
			RB1#0	21.59	1.998	-0.152	21.44	0.139	7.000	Pass
			RB1#3	21.5	1.998	-0.152	21.35	0.136	7.000	Pass
			RB1#5	21.43	1.998	-0.152	21.28	0.134	7.000	Pass
			RB3#0	21.37	1.998	-0.152	21.22	0.132	7.000	Pass
			RB3#2	21.39	1.998	-0.152	21.24	0.133	7.000	Pass
			RB3#3	21.34	1.998	-0.152	21.19	0.131	7.000	Pass
			RB6#0	20.25	1.998	-0.152	20.10	0.102	7.000	Pass
	LCH	QPSK	RB1#0	22.44	1.998	-0.152	22.29	0.169	7.000	Pass
			RB1#7	22.53	1.998	-0.152	22.38	0.173	7.000	Pass
			RB1#14	22.36	1.998	-0.152	22.21	0.166	7.000	Pass
			RB8#0	21.48	1.998	-0.152	21.33	0.136	7.000	Pass
			RB8#4	21.51	1.998	-0.152	21.36	0.137	7.000	Pass
			RB8#7	21.48	1.998	-0.152	21.33	0.136	7.000	Pass
			RB15#0	21.49	1.998	-0.152	21.34	0.136	7.000	Pass
		16-QAM	RB1#0	21.89	1.998	-0.152	21.74	0.149	7.000	Pass
			RB1#7	21.94	1.998	-0.152	21.79	0.151	7.000	Pass
			RB1#14	21.91	1.998	-0.152	21.76	0.150	7.000	Pass
			RB8#0	20.59	1.998	-0.152	20.44	0.111	7.000	Pass
			RB8#4	20.6	1.998	-0.152	20.45	0.111	7.000	Pass
			RB8#7	20.61	1.998	-0.152	20.46	0.111	7.000	Pass
			RB15#0	20.53	1.998	-0.152	20.38	0.109	7.000	Pass
	MCH	QPSK	RB1#0	22.32	1.998	-0.152	22.17	0.165	7.000	Pass
			RB1#7	22.44	1.998	-0.152	22.29	0.169	7.000	Pass
			RB1#14	22.35	1.998	-0.152	22.20	0.166	7.000	Pass
			RB8#0	21.32	1.998	-0.152	21.17	0.131	7.000	Pass
			RB8#4	21.33	1.998	-0.152	21.18	0.131	7.000	Pass
			RB8#7	21.41	1.998	-0.152	21.26	0.134	7.000	Pass
			RB15#0	21.33	1.998	-0.152	21.18	0.131	7.000	Pass
		16-QAM	RB1#0	21.75	1.998	-0.152	21.60	0.144	7.000	Pass
			RB1#7	21.71	1.998	-0.152	21.56	0.143	7.000	Pass
			RB1#14	21.65	1.998	-0.152	21.50	0.141	7.000	Pass
			RB8#0	20.4	1.998	-0.152	20.25	0.106	7.000	Pass
			RB8#4	20.41	1.998	-0.152	20.26	0.106	7.000	Pass
			RB8#7	20.46	1.998	-0.152	20.31	0.107	7.000	Pass
			RB15#0	20.39	1.998	-0.152	20.24	0.106	7.000	Pass
	HCH	QPSK	RB1#0	22.2	1.998	-0.152	22.05	0.160	7.000	Pass
			RB1#7	22.29	1.998	-0.152	22.14	0.164	7.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part 22)										
5 MHz			RB1#14	22.19	1.998	-0.152	22.04	0.160	7.000	Pass
			RB8#0	21.13	1.998	-0.152	20.98	0.125	7.000	Pass
			RB8#4	21.19	1.998	-0.152	21.04	0.127	7.000	Pass
			RB8#7	21.21	1.998	-0.152	21.06	0.128	7.000	Pass
			RB15#0	21.14	1.998	-0.152	20.99	0.126	7.000	Pass
		16-QAM	RB1#0	21.62	1.998	-0.152	21.47	0.140	7.000	Pass
			RB1#7	21.56	1.998	-0.152	21.41	0.138	7.000	Pass
			RB1#14	21.6	1.998	-0.152	21.45	0.140	7.000	Pass
			RB8#0	20.19	1.998	-0.152	20.04	0.101	7.000	Pass
			RB8#4	20.22	1.998	-0.152	20.07	0.102	7.000	Pass
			RB8#7	20.25	1.998	-0.152	20.10	0.102	7.000	Pass
			RB15#0	20.15	1.998	-0.152	20.00	0.100	7.000	Pass
	LCH	QPSK	RB1#0	22.43	1.998	-0.152	22.28	0.169	7.000	Pass
			RB1#13	22.56	1.998	-0.152	22.41	0.174	7.000	Pass
			RB1#24	22.47	1.998	-0.152	22.32	0.171	7.000	Pass
			RB12#0	21.43	1.998	-0.152	21.28	0.134	7.000	Pass
			RB12#6	21.54	1.998	-0.152	21.39	0.138	7.000	Pass
			RB12#13	21.45	1.998	-0.152	21.30	0.135	7.000	Pass
			RB25#0	21.5	1.998	-0.152	21.35	0.136	7.000	Pass
		16-QAM	RB1#0	21.91	1.998	-0.152	21.76	0.150	7.000	Pass
			RB1#13	21.99	1.998	-0.152	21.84	0.153	7.000	Pass
			RB1#24	21.9	1.998	-0.152	21.75	0.150	7.000	Pass
			RB12#0	20.45	1.998	-0.152	20.30	0.107	7.000	Pass
			RB12#6	20.51	1.998	-0.152	20.36	0.109	7.000	Pass
			RB12#13	20.47	1.998	-0.152	20.32	0.108	7.000	Pass
			RB25#0	20.53	1.998	-0.152	20.38	0.109	7.000	Pass
	MCH	QPSK	RB1#0	22.45	1.998	-0.152	22.30	0.170	7.000	Pass
			RB1#13	22.53	1.998	-0.152	22.38	0.173	7.000	Pass
			RB1#24	22.4	1.998	-0.152	22.25	0.168	7.000	Pass
			RB12#0	21.34	1.998	-0.152	21.19	0.131	7.000	Pass
			RB12#6	21.38	1.998	-0.152	21.23	0.133	7.000	Pass
			RB12#13	21.41	1.998	-0.152	21.26	0.134	7.000	Pass
			RB25#0	21.35	1.998	-0.152	21.20	0.132	7.000	Pass
		16-QAM	RB1#0	21.88	1.998	-0.152	21.73	0.149	7.000	Pass
			RB1#13	21.94	1.998	-0.152	21.79	0.151	7.000	Pass
			RB1#24	21.94	1.998	-0.152	21.79	0.151	7.000	Pass
			RB12#0	20.38	1.998	-0.152	20.23	0.105	7.000	Pass
			RB12#6	20.39	1.998	-0.152	20.24	0.106	7.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part 22)										
	HCH	QPSK	RB12#13	20.43	1.998	-0.152	20.28	0.107	7.000	Pass
			RB25#0	20.38	1.998	-0.152	20.23	0.105	7.000	Pass
			RB1#0	22.35	1.998	-0.152	22.20	0.166	7.000	Pass
			RB1#13	22.33	1.998	-0.152	22.18	0.165	7.000	Pass
			RB1#24	22.26	1.998	-0.152	22.11	0.162	7.000	Pass
			RB12#0	21.17	1.998	-0.152	21.02	0.126	7.000	Pass
			RB12#6	21.16	1.998	-0.152	21.01	0.126	7.000	Pass
			RB12#13	21.23	1.998	-0.152	21.08	0.128	7.000	Pass
			RB25#0	21.15	1.998	-0.152	21.00	0.126	7.000	Pass
		16-QAM	RB1#0	21.67	1.998	-0.152	21.52	0.142	7.000	Pass
			RB1#13	21.63	1.998	-0.152	21.48	0.141	7.000	Pass
			RB1#24	21.57	1.998	-0.152	21.42	0.139	7.000	Pass
			RB12#0	20.29	1.998	-0.152	20.14	0.103	7.000	Pass
			RB12#6	20.28	1.998	-0.152	20.13	0.103	7.000	Pass
			RB12#13	20.31	1.998	-0.152	20.16	0.104	7.000	Pass
			RB25#0	20.15	1.998	-0.152	20.00	0.100	7.000	Pass
10 MHz	MCH	QPSK	RB1#0	22.5	1.998	-0.152	22.35	0.172	7.000	Pass
			RB1#25	22.49	1.998	-0.152	22.34	0.171	7.000	Pass
			RB1#49	22.34	1.998	-0.152	22.19	0.166	7.000	Pass
			RB25#0	21.48	1.998	-0.152	21.33	0.136	7.000	Pass
			RB25#13	21.47	1.998	-0.152	21.32	0.135	7.000	Pass
			RB25#25	21.46	1.998	-0.152	21.31	0.135	7.000	Pass
			RB50#0	21.49	1.998	-0.152	21.34	0.136	7.000	Pass
		16-QAM	RB1#0	21.92	1.998	-0.152	21.77	0.150	7.000	Pass
			RB1#25	21.95	1.998	-0.152	21.80	0.151	7.000	Pass
			RB1#49	21.7	1.998	-0.152	21.55	0.143	7.000	Pass
			RB25#0	20.44	1.998	-0.152	20.29	0.107	7.000	Pass
			RB25#13	20.5	1.998	-0.152	20.35	0.108	7.000	Pass
			RB25#25	20.43	1.998	-0.152	20.28	0.107	7.000	Pass
			RB50#0	20.5	1.998	-0.152	20.35	0.108	7.000	Pass
	MCH	QPSK	RB1#0	22.44	1.998	-0.152	22.29	0.169	7.000	Pass
			RB1#25	22.45	1.998	-0.152	22.30	0.170	7.000	Pass
			RB1#49	22.36	1.998	-0.152	22.21	0.166	7.000	Pass
			RB25#0	21.37	1.998	-0.152	21.22	0.132	7.000	Pass
			RB25#13	21.39	1.998	-0.152	21.24	0.133	7.000	Pass
			RB25#25	21.42	1.998	-0.152	21.27	0.134	7.000	Pass
			RB50#0	21.34	1.998	-0.152	21.19	0.131	7.000	Pass
		16-QAM	RB1#0	21.77	1.998	-0.152	21.62	0.145	7.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part 22)										
		M	RB1#25	21.82	1.998	-0.152	21.67	0.147	7.000	Pass
			RB1#49	21.73	1.998	-0.152	21.58	0.144	7.000	Pass
			RB25#0	20.42	1.998	-0.152	20.27	0.106	7.000	Pass
			RB25#13	20.34	1.998	-0.152	20.19	0.104	7.000	Pass
			RB25#25	20.49	1.998	-0.152	20.34	0.108	7.000	Pass
			RB50#0	20.37	1.998	-0.152	20.22	0.105	7.000	Pass
	HCH	QPSK	RB1#0	22.34	1.998	-0.152	22.19	0.166	7.000	Pass
			RB1#25	22.3	1.998	-0.152	22.15	0.164	7.000	Pass
			RB1#49	22.18	1.998	-0.152	22.03	0.160	7.000	Pass
			RB25#0	21.27	1.998	-0.152	21.12	0.129	7.000	Pass
			RB25#13	21.31	1.998	-0.152	21.16	0.131	7.000	Pass
			RB25#25	21.23	1.998	-0.152	21.08	0.128	7.000	Pass
			RB50#0	21.33	1.998	-0.152	21.18	0.131	7.000	Pass
		16-QAM	RB1#0	21.74	1.998	-0.152	21.59	0.144	7.000	Pass
			RB1#25	21.7	1.998	-0.152	21.55	0.143	7.000	Pass
			RB1#49	21.47	1.998	-0.152	21.32	0.135	7.000	Pass
			RB25#0	20.32	1.998	-0.152	20.17	0.104	7.000	Pass
			RB25#13	20.35	1.998	-0.152	20.20	0.105	7.000	Pass
			RB25#25	20.26	1.998	-0.152	20.11	0.103	7.000	Pass
			RB50#0	20.36	1.998	-0.152	20.21	0.105	7.000	Pass
15 MHz	LCH	QPSK	RB1#0	22.24	1.998	-0.152	22.09	0.162	7.000	Pass
			RB1#38	22.26	1.998	-0.152	22.11	0.162	7.000	Pass
			RB1#74	22.16	1.998	-0.152	22.01	0.159	7.000	Pass
			RB36#0	21.3	1.998	-0.152	21.15	0.130	7.000	Pass
			RB36#19	21.26	1.998	-0.152	21.11	0.129	7.000	Pass
			RB36#39	21.36	1.998	-0.152	21.21	0.132	7.000	Pass
			RB75#0	21.32	1.998	-0.152	21.17	0.131	7.000	Pass
		16-QAM	RB1#0	21.81	1.998	-0.152	21.66	0.146	7.000	Pass
			RB1#38	21.78	1.998	-0.152	21.63	0.145	7.000	Pass
			RB1#74	21.62	1.998	-0.152	21.47	0.140	7.000	Pass
			RB36#0	20.35	1.998	-0.152	20.20	0.105	7.000	Pass
			RB36#19	20.26	1.998	-0.152	20.11	0.103	7.000	Pass
			RB36#39	20.39	1.998	-0.152	20.24	0.106	7.000	Pass
			RB75#0	20.33	1.998	-0.152	20.18	0.104	7.000	Pass
	MCH	QPSK	RB1#0	22.32	1.998	-0.152	22.17	0.165	7.000	Pass
			RB1#38	22.26	1.998	-0.152	22.11	0.162	7.000	Pass
			RB1#74	22.15	1.998	-0.152	22.00	0.158	7.000	Pass
			RB36#0	21.27	1.998	-0.152	21.12	0.129	7.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part 22)										
			RB36#19	21.25	1.998	-0.152	21.10	0.129	7.000	Pass
			RB36#39	21.33	1.998	-0.152	21.18	0.131	7.000	Pass
			RB75#0	21.27	1.998	-0.152	21.12	0.129	7.000	Pass
		16-QAM	RB1#0	21.65	1.998	-0.152	21.50	0.141	7.000	Pass
			RB1#38	21.72	1.998	-0.152	21.57	0.143	7.000	Pass
			RB1#74	21.41	1.998	-0.152	21.26	0.134	7.000	Pass
			RB36#0	20.29	1.998	-0.152	20.14	0.103	7.000	Pass
			RB36#19	20.25	1.998	-0.152	20.10	0.102	7.000	Pass
			RB36#39	20.36	1.998	-0.152	20.21	0.105	7.000	Pass
			RB75#0	20.3	1.998	-0.152	20.15	0.103	7.000	Pass
	HCH	QPSK	RB1#0	22.29	1.998	-0.152	22.14	0.164	7.000	Pass
			RB1#38	22.25	1.998	-0.152	22.10	0.162	7.000	Pass
			RB1#74	22.05	1.998	-0.152	21.90	0.155	7.000	Pass
			RB36#0	21.25	1.998	-0.152	21.10	0.129	7.000	Pass
			RB36#19	21.16	1.998	-0.152	21.01	0.126	7.000	Pass
			RB36#39	21.21	1.998	-0.152	21.06	0.128	7.000	Pass
			RB75#0	21.18	1.998	-0.152	21.03	0.127	7.000	Pass
		16-QAM	RB1#0	21.47	1.998	-0.152	21.32	0.135	7.000	Pass
			RB1#38	21.46	1.998	-0.152	21.31	0.135	7.000	Pass
			RB1#74	21.34	1.998	-0.152	21.19	0.131	7.000	Pass
			RB36#0	20.3	1.998	-0.152	20.15	0.103	7.000	Pass
			RB36#19	20.22	1.998	-0.152	20.07	0.102	7.000	Pass
			RB36#39	20.25	1.998	-0.152	20.10	0.102	7.000	Pass
			RB75#0	20.24	1.998	-0.152	20.09	0.102	7.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part 90)										
1.4 MHz	LCH	QPSK	RB1#0	22.47	1.609	-0.541	21.93	0.156	100.000	Pass
			RB1#3	22.48	1.609	-0.541	21.94	0.156	100.000	Pass
			RB1#5	22.49	1.609	-0.541	21.95	0.157	100.000	Pass
			RB3#0	22.51	1.609	-0.541	21.97	0.157	100.000	Pass
			RB3#2	22.53	1.609	-0.541	21.99	0.158	100.000	Pass
			RB3#3	22.46	1.609	-0.541	21.92	0.156	100.000	Pass
			RB6#0	21.48	1.609	-0.541	20.94	0.124	100.000	Pass
		16-QAM	RB1#0	21.89	1.609	-0.541	21.35	0.136	100.000	Pass
			RB1#3	21.88	1.609	-0.541	21.34	0.136	100.000	Pass
			RB1#5	21.99	1.609	-0.541	21.45	0.140	100.000	Pass
			RB3#0	21.71	1.609	-0.541	21.17	0.131	100.000	Pass
			RB3#2	21.67	1.609	-0.541	21.13	0.130	100.000	Pass
			RB3#3	21.64	1.609	-0.541	21.10	0.129	100.000	Pass
			RB6#0	20.58	1.609	-0.541	20.04	0.101	100.000	Pass
	MCH	QPSK	RB1#0	22.34	1.609	-0.541	21.80	0.151	100.000	Pass
			RB1#3	22.54	1.609	-0.541	22.00	0.158	100.000	Pass
			RB1#5	22.52	1.609	-0.541	21.98	0.158	100.000	Pass
			RB3#0	22.45	1.609	-0.541	21.91	0.155	100.000	Pass
			RB3#2	22.49	1.609	-0.541	21.95	0.157	100.000	Pass
			RB3#3	22.46	1.609	-0.541	21.92	0.156	100.000	Pass
			RB6#0	21.46	1.609	-0.541	20.92	0.124	100.000	Pass
		16-QAM	RB1#0	21.66	1.609	-0.541	21.12	0.129	100.000	Pass
			RB1#3	21.83	1.609	-0.541	21.29	0.135	100.000	Pass
			RB1#5	21.74	1.609	-0.541	21.20	0.132	100.000	Pass
			RB3#0	21.61	1.609	-0.541	21.07	0.128	100.000	Pass
			RB3#2	21.6	1.609	-0.541	21.06	0.128	100.000	Pass
			RB3#3	21.57	1.609	-0.541	21.03	0.127	100.000	Pass
			RB6#0	20.53	1.609	-0.541	19.99	0.100	100.000	Pass
	HCH	QPSK	RB1#0	22.41	1.609	-0.541	21.87	0.154	100.000	Pass
			RB1#3	22.5	1.609	-0.541	21.96	0.157	100.000	Pass
			RB1#5	22.5	1.609	-0.541	21.96	0.157	100.000	Pass
			RB3#0	22.41	1.609	-0.541	21.87	0.154	100.000	Pass
			RB3#2	22.53	1.609	-0.541	21.99	0.158	100.000	Pass
			RB3#3	22.49	1.609	-0.541	21.95	0.157	100.000	Pass
			RB6#0	21.48	1.609	-0.541	20.94	0.124	100.000	Pass
		16-QAM	RB1#0	21.72	1.609	-0.541	21.18	0.131	100.000	Pass
			RB1#3	21.97	1.609	-0.541	21.43	0.139	100.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part 90)										
3 MHz			RB1#5	21.89	1.609	-0.541	21.35	0.136	100.000	Pass
			RB3#0	21.72	1.609	-0.541	21.18	0.131	100.000	Pass
			RB3#2	21.72	1.609	-0.541	21.18	0.131	100.000	Pass
			RB3#3	21.69	1.609	-0.541	21.15	0.130	100.000	Pass
			RB6#0	20.54	1.609	-0.541	20.00	0.100	100.000	Pass
	LCH	QPSK	RB1#0	22.43	1.609	-0.541	21.89	0.154	100.000	Pass
			RB1#7	22.6	1.609	-0.541	22.06	0.161	100.000	Pass
			RB1#14	22.42	1.609	-0.541	21.88	0.154	100.000	Pass
			RB8#0	21.53	1.609	-0.541	20.99	0.126	100.000	Pass
			RB8#4	21.56	1.609	-0.541	21.02	0.126	100.000	Pass
			RB8#7	21.52	1.609	-0.541	20.98	0.125	100.000	Pass
			RB15#0	21.5	1.609	-0.541	20.96	0.125	100.000	Pass
		16-QAM	RB1#0	21.95	1.609	-0.541	21.41	0.138	100.000	Pass
			RB1#7	22	1.609	-0.541	21.46	0.140	100.000	Pass
			RB1#14	21.85	1.609	-0.541	21.31	0.135	100.000	Pass
			RB8#0	20.57	1.609	-0.541	20.03	0.101	100.000	Pass
			RB8#4	20.61	1.609	-0.541	20.07	0.102	100.000	Pass
			RB8#7	20.59	1.609	-0.541	20.05	0.101	100.000	Pass
			RB15#0	20.58	1.609	-0.541	20.04	0.101	100.000	Pass
	MCH	QPSK	RB1#0	22.49	1.609	-0.541	21.95	0.157	100.000	Pass
			RB1#7	22.61	1.609	-0.541	22.07	0.161	100.000	Pass
			RB1#14	22.49	1.609	-0.541	21.95	0.157	100.000	Pass
			RB8#0	21.42	1.609	-0.541	20.88	0.122	100.000	Pass
			RB8#4	21.57	1.609	-0.541	21.03	0.127	100.000	Pass
			RB8#7	21.51	1.609	-0.541	20.97	0.125	100.000	Pass
			RB15#0	21.52	1.609	-0.541	20.98	0.125	100.000	Pass
		16-QAM	RB1#0	21.84	1.609	-0.541	21.30	0.135	100.000	Pass
			RB1#7	21.89	1.609	-0.541	21.35	0.136	100.000	Pass
			RB1#14	21.85	1.609	-0.541	21.31	0.135	100.000	Pass
			RB8#0	20.51	1.609	-0.541	19.97	0.099	100.000	Pass
			RB8#4	20.59	1.609	-0.541	20.05	0.101	100.000	Pass
			RB8#7	20.56	1.609	-0.541	20.02	0.100	100.000	Pass
			RB15#0	20.58	1.609	-0.541	20.04	0.101	100.000	Pass
	HCH	QPSK	RB1#0	22.51	1.609	-0.541	21.97	0.157	100.000	Pass
			RB1#7	22.59	1.609	-0.541	22.05	0.160	100.000	Pass
			RB1#14	22.43	1.609	-0.541	21.89	0.154	100.000	Pass
			RB8#0	21.48	1.609	-0.541	20.94	0.124	100.000	Pass
			RB8#4	21.56	1.609	-0.541	21.02	0.126	100.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part 90)										
		16-QAM	RB8#7	21.53	1.609	-0.541	20.99	0.126	100.000	Pass
			RB15#0	21.56	1.609	-0.541	21.02	0.126	100.000	Pass
			RB1#0	21.92	1.609	-0.541	21.38	0.137	100.000	Pass
			RB1#7	21.9	1.609	-0.541	21.36	0.137	100.000	Pass
			RB1#14	21.88	1.609	-0.541	21.34	0.136	100.000	Pass
			RB8#0	20.48	1.609	-0.541	19.94	0.099	100.000	Pass
			RB8#4	20.57	1.609	-0.541	20.03	0.101	100.000	Pass
			RB8#7	20.59	1.609	-0.541	20.05	0.101	100.000	Pass
			RB15#0	20.55	1.609	-0.541	20.01	0.100	100.000	Pass
5 MHz	LCH	QPSK	RB1#0	22.64	1.609	-0.541	22.10	0.162	100.000	Pass
			RB1#13	22.65	1.609	-0.541	22.11	0.163	100.000	Pass
			RB1#24	22.58	1.609	-0.541	22.04	0.160	100.000	Pass
			RB12#0	21.48	1.609	-0.541	20.94	0.124	100.000	Pass
			RB12#6	21.52	1.609	-0.541	20.98	0.125	100.000	Pass
			RB12#13	21.53	1.609	-0.541	20.99	0.126	100.000	Pass
			RB25#0	21.52	1.609	-0.541	20.98	0.125	100.000	Pass
		16-QAM	RB1#0	21.96	1.609	-0.541	21.42	0.139	100.000	Pass
			RB1#13	21.9	1.609	-0.541	21.36	0.137	100.000	Pass
			RB1#24	22	1.609	-0.541	21.46	0.140	100.000	Pass
			RB12#0	20.56	1.609	-0.541	20.02	0.100	100.000	Pass
			RB12#6	20.61	1.609	-0.541	20.07	0.102	100.000	Pass
			RB12#13	20.63	1.609	-0.541	20.09	0.102	100.000	Pass
			RB25#0	20.52	1.609	-0.541	19.98	0.100	100.000	Pass
	MCH	QPSK	RB1#0	22.49	1.609	-0.541	21.95	0.157	100.000	Pass
			RB1#13	22.62	1.609	-0.541	22.08	0.161	100.000	Pass
			RB1#24	22.58	1.609	-0.541	22.04	0.160	100.000	Pass
			RB12#0	21.46	1.609	-0.541	20.92	0.124	100.000	Pass
			RB12#6	21.53	1.609	-0.541	20.99	0.126	100.000	Pass
			RB12#13	21.53	1.609	-0.541	20.99	0.126	100.000	Pass
			RB25#0	21.52	1.609	-0.541	20.98	0.125	100.000	Pass
		16-QAM	RB1#0	21.99	1.609	-0.541	21.45	0.140	100.000	Pass
			RB1#13	22.02	1.609	-0.541	21.48	0.141	100.000	Pass
			RB1#24	21.93	1.609	-0.541	21.39	0.138	100.000	Pass
			RB12#0	20.54	1.609	-0.541	20.00	0.100	100.000	Pass
			RB12#6	20.65	1.609	-0.541	20.11	0.103	100.000	Pass
			RB12#13	20.65	1.609	-0.541	20.11	0.103	100.000	Pass
			RB25#0	20.57	1.609	-0.541	20.03	0.101	100.000	Pass
	HCH	QPSK	RB1#0	22.58	1.609	-0.541	22.04	0.160	100.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part 90)										
			RB1#13	22.63	1.609	-0.541	22.09	0.162	100.000	Pass
			RB1#24	22.52	1.609	-0.541	21.98	0.158	100.000	Pass
			RB12#0	21.56	1.609	-0.541	21.02	0.126	100.000	Pass
			RB12#6	21.56	1.609	-0.541	21.02	0.126	100.000	Pass
			RB12#13	21.57	1.609	-0.541	21.03	0.127	100.000	Pass
			RB25#0	21.56	1.609	-0.541	21.02	0.126	100.000	Pass
		16-QAM	RB1#0	21.9	1.609	-0.541	21.36	0.137	100.000	Pass
			RB1#13	21.95	1.609	-0.541	21.41	0.138	100.000	Pass
			RB1#24	21.9	1.609	-0.541	21.36	0.137	100.000	Pass
			RB12#0	20.6	1.609	-0.541	20.06	0.101	100.000	Pass
			RB12#6	20.63	1.609	-0.541	20.09	0.102	100.000	Pass
			RB12#13	20.59	1.609	-0.541	20.05	0.101	100.000	Pass
			RB25#0	20.56	1.609	-0.541	20.02	0.100	100.000	Pass
10 MHz	MCH	QPSK	RB1#0	22.57	1.609	-0.541	22.03	0.160	100.000	Pass
			RB1#25	22.51	1.609	-0.541	21.97	0.157	100.000	Pass
			RB1#49	22.46	1.609	-0.541	21.92	0.156	100.000	Pass
			RB25#0	21.54	1.609	-0.541	21.00	0.126	100.000	Pass
			RB25#13	21.56	1.609	-0.541	21.02	0.126	100.000	Pass
			RB25#25	21.59	1.609	-0.541	21.05	0.127	100.000	Pass
			RB50#0	21.57	1.609	-0.541	21.03	0.127	100.000	Pass
		16-QAM	RB1#0	22.04	1.609	-0.541	21.50	0.141	100.000	Pass
			RB1#25	22	1.609	-0.541	21.46	0.140	100.000	Pass
			RB1#49	21.9	1.609	-0.541	21.36	0.137	100.000	Pass
			RB25#0	20.49	1.609	-0.541	19.95	0.099	100.000	Pass
			RB25#13	20.58	1.609	-0.541	20.04	0.101	100.000	Pass
			RB25#25	20.63	1.609	-0.541	20.09	0.102	100.000	Pass
			RB50#0	20.56	1.609	-0.541	20.02	0.100	100.000	Pass

NR Mode Test Data

Test BW	Test Channel	Test Mode	UL RB Number	UL RB Position	Conducted Output AV Power(dBm)	Antenna Gain (dBi)	EIRP (dBm)	ERP (W)	Limit (W)	Verdict
NR Band n25										
5	LCH	PI/2 BPSK	12	6	22.34	3.262	25.60	0.363	3.000	Pass
			1	1	22.68	3.262	25.94	0.393	3.000	Pass
			1	23	23.02	3.262	26.28	0.425	3.000	Pass
		QPSK	12	6	22.79	3.262	26.05	0.403	3.000	Pass
			1	1	22.86	3.262	26.12	0.409	3.000	Pass
			1	23	22.9	3.262	26.16	0.413	3.000	Pass
		16QAM	12	6	21.88	3.262	25.14	0.327	3.000	Pass
			1	1	21.98	3.262	25.24	0.334	3.000	Pass
			1	23	22.37	3.262	25.63	0.366	3.000	Pass
		64QAM	12	6	20.5	3.262	23.76	0.238	3.000	Pass
			1	1	20.57	3.262	23.83	0.242	3.000	Pass
			1	23	20.58	3.262	23.84	0.242	3.000	Pass
		256QAM	12	6	21.31	3.262	24.57	0.287	3.000	Pass
			1	1	21.33	3.262	24.59	0.288	3.000	Pass
			1	23	21.02	3.262	24.28	0.268	3.000	Pass
	MCH	PI/2 BPSK	12	6	23.81	3.262	27.07	0.510	3.000	Pass
			1	1	23.88	3.262	27.14	0.518	3.000	Pass
			1	23	23.93	3.262	27.19	0.524	3.000	Pass
		QPSK	12	6	23.79	3.262	27.05	0.507	3.000	Pass
			1	1	23.92	3.262	27.18	0.523	3.000	Pass
			1	23	23.95	3.262	27.21	0.526	3.000	Pass
		16QAM	12	6	22.7	3.262	25.96	0.395	3.000	Pass
			1	1	23.11	3.262	26.37	0.434	3.000	Pass
			1	23	23.06	3.262	26.32	0.429	3.000	Pass
		64QAM	12	6	21.25	3.262	24.51	0.283	3.000	Pass
			1	1	21.47	3.262	24.73	0.297	3.000	Pass
			1	23	21.42	3.262	24.68	0.294	3.000	Pass
		256QAM	12	6	21.35	3.262	24.61	0.289	3.000	Pass
			1	1	21.34	3.262	24.60	0.289	3.000	Pass
			1	23	21.18	3.262	24.44	0.278	3.000	Pass
	HCH	PI/2 BPSK	12	6	24.03	3.262	27.29	0.536	3.000	Pass
			1	1	24.01	3.262	27.27	0.534	3.000	Pass
			1	23	24.07	3.262	27.33	0.541	3.000	Pass
		QPSK	12	6	23.97	3.262	27.23	0.529	3.000	Pass
			1	1	23.86	3.262	27.12	0.515	3.000	Pass
			1	23	24.02	3.262	27.28	0.535	3.000	Pass

		16QAM	12	6	22.9	3.262	26.16	0.413	3.000	Pass
			1	1	23.08	3.262	26.34	0.431	3.000	Pass
			1	23	23.15	3.262	26.41	0.438	3.000	Pass
		64QAM	12	6	21.46	3.262	24.72	0.297	3.000	Pass
			1	1	21.23	3.262	24.49	0.281	3.000	Pass
			1	23	21.32	3.262	24.58	0.287	3.000	Pass
		256QAM	12	6	21.57	3.262	24.83	0.304	3.000	Pass
			1	1	21.21	3.262	24.47	0.280	3.000	Pass
			1	23	21.29	3.262	24.55	0.285	3.000	Pass
20	LCH	PI/2 BPSK	50	25	24.18	3.262	27.44	0.555	3.000	Pass
			1	1	24.02	3.262	27.28	0.535	3.000	Pass
			1	104	24.2	3.262	27.46	0.557	3.000	Pass
		QPSK	50	25	24.15	3.262	27.41	0.551	3.000	Pass
			1	1	23.93	3.262	27.19	0.524	3.000	Pass
			1	104	24.21	3.262	27.47	0.559	3.000	Pass
		16QAM	50	25	23.09	3.262	26.35	0.432	3.000	Pass
			1	1	23.06	3.262	26.32	0.429	3.000	Pass
			1	104	23.27	3.262	26.53	0.450	3.000	Pass
		64QAM	50	25	21.63	3.262	24.89	0.308	3.000	Pass
			1	1	21.47	3.262	24.73	0.297	3.000	Pass
			1	104	21.69	3.262	24.95	0.313	3.000	Pass
		256QAM	50	25	21.7	3.262	24.96	0.313	3.000	Pass
			1	1	21.1	3.262	24.36	0.273	3.000	Pass
			1	104	21.62	3.262	24.88	0.308	3.000	Pass
	MCH	PI/2 BPSK	50	25	24.18	3.262	27.44	0.555	3.000	Pass
			1	1	24.11	3.262	27.37	0.546	3.000	Pass
			1	104	24.05	3.262	27.31	0.539	3.000	Pass
		QPSK	50	25	24.15	3.262	27.41	0.551	3.000	Pass
			1	1	23.91	3.262	27.17	0.521	3.000	Pass
			1	104	23.89	3.262	27.15	0.519	3.000	Pass
		16QAM	50	25	23.21	3.262	26.47	0.444	3.000	Pass
			1	1	22.8	3.262	26.06	0.404	3.000	Pass
			1	104	22.75	3.262	26.01	0.399	3.000	Pass
		64QAM	50	25	21.69	3.262	24.95	0.313	3.000	Pass
			1	1	21.48	3.262	24.74	0.298	3.000	Pass
			1	104	21.45	3.262	24.71	0.296	3.000	Pass
		256QAM	50	25	21.74	3.262	25.00	0.316	3.000	Pass
			1	1	21.24	3.262	24.50	0.282	3.000	Pass
			1	104	21.2	3.262	24.46	0.279	3.000	Pass
	HCH	PI/2 BPSK	50	25	24.05	3.262	27.31	0.539	3.000	Pass
			1	1	24	3.262	27.26	0.532	3.000	Pass
			1	104	24.3	3.262	27.56	0.570	3.000	Pass
		QPSK	50	25	24.05	3.262	27.31	0.539	3.000	Pass

			1	1	24.01	3.262	27.27	0.534	3.000	Pass
			1	104	24.26	3.262	27.52	0.565	3.000	Pass
			50	25	23.06	3.262	26.32	0.429	3.000	Pass
		16QAM	1	1	23.08	3.262	26.34	0.431	3.000	Pass
			1	104	23.35	3.262	26.61	0.458	3.000	Pass
			50	25	21.55	3.262	24.81	0.303	3.000	Pass
		64QAM	1	1	21.57	3.262	24.83	0.304	3.000	Pass
			1	104	21.83	3.262	25.09	0.323	3.000	Pass
			50	25	21.62	3.262	24.88	0.308	3.000	Pass
		256QAM	1	1	21.2	3.262	24.46	0.279	3.000	Pass
			1	104	21.44	3.262	24.70	0.295	3.000	Pass
			108	54	24.36	3.262	27.62	0.578	3.000	Pass
		PI/2 BPSK	1	1	24.17	3.262	27.43	0.554	3.000	Pass
			1	214	24.42	3.262	27.68	0.586	3.000	Pass
			108	54	24.37	3.262	27.63	0.580	3.000	Pass
40	LCH	QPSK	1	1	24.06	3.262	27.32	0.540	3.000	Pass
			1	214	24.42	3.262	27.68	0.586	3.000	Pass
			108	54	23.4	3.262	26.66	0.464	3.000	Pass
		16QAM	1	1	23.25	3.262	26.51	0.448	3.000	Pass
			1	214	23.53	3.262	26.79	0.478	3.000	Pass
			108	54	21.88	3.262	25.14	0.327	3.000	Pass
		64QAM	1	1	21.66	3.262	24.92	0.311	3.000	Pass
			1	214	21.97	3.262	25.23	0.334	3.000	Pass
			108	54	21.88	3.262	25.14	0.327	3.000	Pass
		256QAM	1	1	21.22	3.262	24.48	0.281	3.000	Pass
			1	214	21.6	3.262	24.86	0.306	3.000	Pass
			108	54	24.34	3.262	27.60	0.576	3.000	Pass
	MCH	PI/2 BPSK	1	1	24.31	3.262	27.57	0.572	3.000	Pass
			1	214	24.17	3.262	27.43	0.554	3.000	Pass
			108	54	24.32	3.262	27.58	0.573	3.000	Pass
		QPSK	1	1	24.29	3.262	27.55	0.569	3.000	Pass
			1	214	24.18	3.262	27.44	0.555	3.000	Pass
			108	54	23.4	3.262	26.66	0.464	3.000	Pass
		16QAM	1	1	23.37	3.262	26.63	0.460	3.000	Pass
			1	214	23.23	3.262	26.49	0.446	3.000	Pass
			108	54	21.86	3.262	25.12	0.325	3.000	Pass
		64QAM	1	1	21.82	3.262	25.08	0.322	3.000	Pass
			1	214	21.69	3.262	24.95	0.313	3.000	Pass
			108	54	21.89	3.262	25.15	0.327	3.000	Pass
		256QAM	1	1	21.73	3.262	24.99	0.316	3.000	Pass
			1	214	21.6	3.262	24.86	0.306	3.000	Pass
			108	54	24.32	3.262	27.58	0.573	3.000	Pass
	HCH	PI/2 BPSK	1	1	24.42	3.262	27.68	0.586	3.000	Pass

			1	214	24.51	3.262	27.77	0.599	3.000	Pass
		QPSK	108	54	24.3	3.262	27.56	0.570	3.000	Pass
			1	1	24.36	3.262	27.62	0.578	3.000	Pass
			1	214	24.5	3.262	27.76	0.597	3.000	Pass
		16QAM	108	54	23.35	3.262	26.61	0.458	3.000	Pass
			1	1	23.5	3.262	26.76	0.474	3.000	Pass
			1	214	23.58	3.262	26.84	0.483	3.000	Pass
		64QAM	108	54	21.83	3.262	25.09	0.323	3.000	Pass
			1	1	21.88	3.262	25.14	0.327	3.000	Pass
			1	214	22.01	3.262	25.27	0.337	3.000	Pass
		256QAM	108	54	21.83	3.262	25.09	0.323	3.000	Pass
			1	1	21.52	3.262	24.78	0.301	3.000	Pass
			1	214	21.64	3.262	24.90	0.309	3.000	Pass

Test BW	Test Channel	Test Mode	UL RB Number	UL RB Position	Conducted Output AV Power(dBm)	Antenna Gain (dBi)	EIRP (dBm)	ERP (W)	Limit (W)	Verdict
NR Band n41										
20	LCH	PI/2 BPSK	25	12	24.16	0.409	24.57	0.286	2.000	Pass
			1	1	24.23	0.409	24.64	0.291	2.000	Pass
			1	49	23.92	0.409	24.33	0.271	2.000	Pass
		QPSK	25	12	24.25	0.409	24.66	0.292	2.000	Pass
			1	1	24.37	0.409	24.78	0.301	2.000	Pass
			1	49	24.08	0.409	24.49	0.281	2.000	Pass
		16QAM	25	12	23.3	0.409	23.71	0.235	2.000	Pass
			1	1	23.4	0.409	23.81	0.240	2.000	Pass
			1	49	22.92	0.409	23.33	0.215	2.000	Pass
		64QAM	25	12	21.7	0.409	22.11	0.163	2.000	Pass
			1	1	21.39	0.409	21.80	0.151	2.000	Pass
			1	49	21.21	0.409	21.62	0.145	2.000	Pass
		256QAM	25	12	19.23	0.409	19.64	0.092	2.000	Pass
			1	1	19.79	0.409	20.20	0.105	2.000	Pass
			1	49	19.11	0.409	19.52	0.090	2.000	Pass
	MCH	PI/2 BPSK	25	12	23.64	0.409	24.05	0.254	2.000	Pass
			1	1	23.5	0.409	23.91	0.246	2.000	Pass
			1	49	23.44	0.409	23.85	0.243	2.000	Pass
		QPSK	25	12	23.68	0.409	24.09	0.256	2.000	Pass
			1	1	23.67	0.409	24.08	0.256	2.000	Pass
			1	49	23.68	0.409	24.09	0.256	2.000	Pass
		16QAM	25	12	22.73	0.409	23.14	0.206	2.000	Pass
			1	1	22.79	0.409	23.20	0.209	2.000	Pass

60	HCH	64QAM	1	49	22.82	0.409	23.23	0.210	2.000	Pass
			25	12	21.28	0.409	21.69	0.148	2.000	Pass
			1	1	20.95	0.409	21.36	0.137	2.000	Pass
			1	49	20.94	0.409	21.35	0.136	2.000	Pass
		256QAM	25	12	19.27	0.409	19.68	0.093	2.000	Pass
			1	1	19.04	0.409	19.45	0.088	2.000	Pass
			1	49	18.93	0.409	19.34	0.086	2.000	Pass
		PI/2 BPSK	25	12	24.2	0.409	24.61	0.289	2.000	Pass
			1	1	24.08	0.409	24.49	0.281	2.000	Pass
			1	49	24.17	0.409	24.58	0.287	2.000	Pass
		QPSK	25	12	24.31	0.409	24.72	0.296	2.000	Pass
			1	1	24.2	0.409	24.61	0.289	2.000	Pass
			1	49	24.29	0.409	24.70	0.295	2.000	Pass
	LCH	16QAM	25	12	23.35	0.409	23.76	0.238	2.000	Pass
			1	1	23.29	0.409	23.70	0.234	2.000	Pass
			1	49	23.34	0.409	23.75	0.237	2.000	Pass
		64QAM	25	12	21.93	0.409	22.34	0.171	2.000	Pass
			1	1	21.45	0.409	21.86	0.153	2.000	Pass
			1	49	21.56	0.409	21.97	0.157	2.000	Pass
		256QAM	25	12	19.86	0.409	20.27	0.106	2.000	Pass
			1	1	19.68	0.409	20.09	0.102	2.000	Pass
			1	49	19.7	0.409	20.11	0.103	2.000	Pass
	MCH	PI/2 BPSK	81	40	24.27	0.409	24.68	0.294	2.000	Pass
			1	1	24.62	0.409	25.03	0.318	2.000	Pass
			1	160	23.93	0.409	24.34	0.272	2.000	Pass
		QPSK	81	40	24.28	0.409	24.69	0.294	2.000	Pass
			1	1	24.64	0.409	25.05	0.320	2.000	Pass
			1	160	23.94	0.409	24.35	0.272	2.000	Pass
		16QAM	81	40	23.25	0.409	23.66	0.232	2.000	Pass
			1	1	23.8	0.409	24.21	0.264	2.000	Pass
			1	160	23.11	0.409	23.52	0.225	2.000	Pass
		64QAM	81	40	21.75	0.409	22.16	0.164	2.000	Pass
			1	1	21.81	0.409	22.22	0.167	2.000	Pass
			1	160	21.1	0.409	21.51	0.142	2.000	Pass
		256QAM	81	40	19.75	0.409	20.16	0.104	2.000	Pass
			1	1	19.91	0.409	20.32	0.108	2.000	Pass
			1	160	19.19	0.409	19.60	0.091	2.000	Pass
		PI/2 BPSK	81	40	24.01	0.409	24.42	0.277	2.000	Pass
			1	1	23.79	0.409	24.20	0.263	2.000	Pass
			1	160	24.03	0.409	24.44	0.278	2.000	Pass
		QPSK	81	40	24	0.409	24.41	0.276	2.000	Pass
			1	1	23.75	0.409	24.16	0.261	2.000	Pass
			1	160	24.03	0.409	24.44	0.278	2.000	Pass

100		16QAM	81	40	22.98	0.409	23.39	0.218	2.000	Pass
			1	1	22.95	0.409	23.36	0.217	2.000	Pass
			1	160	23.25	0.409	23.66	0.232	2.000	Pass
		64QAM	81	40	21.42	0.409	21.83	0.152	2.000	Pass
			1	1	20.91	0.409	21.32	0.135	2.000	Pass
			1	160	21.22	0.409	21.63	0.146	2.000	Pass
		256QAM	81	40	19.42	0.409	19.83	0.096	2.000	Pass
			1	1	19.15	0.409	19.56	0.090	2.000	Pass
			1	160	19.39	0.409	19.80	0.095	2.000	Pass
	HCH	PI/2 BPSK	81	40	24.25	0.409	24.66	0.292	2.000	Pass
			1	1	24.21	0.409	24.62	0.290	2.000	Pass
			1	160	24.33	0.409	24.74	0.298	2.000	Pass
		QPSK	81	40	24.33	0.409	24.74	0.298	2.000	Pass
			1	1	24.22	0.409	24.63	0.290	2.000	Pass
			1	160	24.23	0.409	24.64	0.291	2.000	Pass
		16QAM	81	40	23.38	0.409	23.79	0.239	2.000	Pass
			1	1	23.32	0.409	23.73	0.236	2.000	Pass
			1	160	23.39	0.409	23.80	0.240	2.000	Pass
		64QAM	81	40	21.88	0.409	22.29	0.169	2.000	Pass
			1	1	21.47	0.409	21.88	0.154	2.000	Pass
			1	160	21.56	0.409	21.97	0.157	2.000	Pass
		256QAM	81	40	19.72	0.409	20.13	0.103	2.000	Pass
			1	1	19.7	0.409	20.11	0.103	2.000	Pass
			1	160	19.73	0.409	20.14	0.103	2.000	Pass
	LCH	PI/2 BPSK	135	67	24.18	0.409	24.59	0.288	2.000	Pass
			1	1	24.6	0.409	25.01	0.317	2.000	Pass
			1	271	23.88	0.409	24.29	0.268	2.000	Pass
		QPSK	135	67	24.04	0.409	24.45	0.279	2.000	Pass
			1	1	24.68	0.409	25.09	0.323	2.000	Pass
			1	271	23.96	0.409	24.37	0.273	2.000	Pass
		16QAM	135	67	23.09	0.409	23.50	0.224	2.000	Pass
			1	1	23.57	0.409	23.98	0.250	2.000	Pass
			1	271	22.94	0.409	23.35	0.216	2.000	Pass
		64QAM	135	67	21.61	0.409	22.02	0.159	2.000	Pass
			1	1	21.81	0.409	22.22	0.167	2.000	Pass
			1	271	21.11	0.409	21.52	0.142	2.000	Pass
		256QAM	135	67	19.51	0.409	19.92	0.098	2.000	Pass
			1	1	19.9	0.409	20.31	0.107	2.000	Pass
			1	271	19.27	0.409	19.68	0.093	2.000	Pass
	MCH	PI/2 BPSK	135	67	23.83	0.409	24.24	0.265	2.000	Pass
			1	1	23.8	0.409	24.21	0.264	2.000	Pass
			1	271	24.16	0.409	24.57	0.286	2.000	Pass
		QPSK	135	67	23.82	0.409	24.23	0.265	2.000	Pass

			1	1	23.79	0.409	24.20	0.263	2.000	Pass
			1	271	24.19	0.409	24.60	0.288	2.000	Pass
		16QAM	135	67	22.84	0.409	23.25	0.211	2.000	Pass
			1	1	22.87	0.409	23.28	0.213	2.000	Pass
			1	271	23.28	0.409	23.69	0.234	2.000	Pass
		64QAM	135	67	21.34	0.409	21.75	0.150	2.000	Pass
			1	1	21.33	0.409	21.74	0.149	2.000	Pass
			1	271	21.7	0.409	22.11	0.163	2.000	Pass
		256QAM	135	67	19.31	0.409	19.72	0.094	2.000	Pass
			1	1	19.07	0.409	19.48	0.089	2.000	Pass
			1	271	19.2	0.409	19.61	0.091	2.000	Pass
	HCH	PI/2 BPSK	135	67	24.28	0.409	24.69	0.294	2.000	Pass
			1	1	24.04	0.409	24.45	0.279	2.000	Pass
			1	271	24.43	0.409	24.84	0.305	2.000	Pass
		QPSK	135	67	24.29	0.409	24.70	0.295	2.000	Pass
			1	1	24	0.409	24.41	0.276	2.000	Pass
			1	271	24.43	0.409	24.84	0.305	2.000	Pass
		16QAM	135	67	23.27	0.409	23.68	0.233	2.000	Pass
			1	1	23.22	0.409	23.63	0.231	2.000	Pass
			1	271	23.6	0.409	24.01	0.252	2.000	Pass
		64QAM	135	67	21.8	0.409	22.21	0.166	2.000	Pass
			1	1	21.2	0.409	21.61	0.145	2.000	Pass
			1	271	21.6	0.409	22.01	0.159	2.000	Pass
		256QAM	135	67	19.77	0.409	20.18	0.104	2.000	Pass
			1	1	19.4	0.409	19.81	0.096	2.000	Pass
			1	271	19.81	0.409	20.22	0.105	2.000	Pass

Test BW	Test Channel	Test Mode	UL RB Number	UL RB Position	Conducted Output AV Power(dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
NR Band n77(3450MHz-3550MHz)										
20	LCH	PI/2 BPSK	12	6	26.21	-0.637	25.57	0.361	2.000	Pass
			1	1	26.3	-0.637	25.66	0.368	2.000	Pass
			1	22	26.12	-0.637	25.48	0.353	2.000	Pass
		QPSK	12	6	26.17	-0.637	25.53	0.358	2.000	Pass
			1	1	26.28	-0.637	25.64	0.367	2.000	Pass
			1	22	26.17	-0.637	25.53	0.358	2.000	Pass
		16QAM	12	6	25.17	-0.637	24.53	0.284	2.000	Pass
			1	1	25.38	-0.637	24.74	0.298	2.000	Pass
			1	22	25.27	-0.637	24.63	0.291	2.000	Pass
		64QAM	12	6	23.76	-0.637	23.12	0.205	2.000	Pass
			1	1	23.63	-0.637	22.99	0.199	2.000	Pass
			1	22	23.43	-0.637	22.79	0.190	2.000	Pass
		256QAM	12	6	21.7	-0.637	21.06	0.128	1.000	Pass
			1	1	21.78	-0.637	21.14	0.130	1.000	Pass
			1	22	21.62	-0.637	20.98	0.125	1.000	Pass
	MCH	PI/2 BPSK	12	6	26.27	-0.637	25.63	0.366	1.000	Pass
			1	1	26.25	-0.637	25.61	0.364	1.000	Pass
			1	22	26.31	-0.637	25.67	0.369	1.000	Pass
		QPSK	12	6	26.19	-0.637	25.55	0.359	1.000	Pass
			1	1	26.22	-0.637	25.58	0.362	1.000	Pass
			1	22	26.28	-0.637	25.64	0.367	1.000	Pass
		16QAM	12	6	25.18	-0.637	24.54	0.285	1.000	Pass
			1	1	25.32	-0.637	24.68	0.294	1.000	Pass
			1	22	25.36	-0.637	24.72	0.297	1.000	Pass
		64QAM	12	6	23.7	-0.637	23.06	0.202	1.000	Pass
			1	1	23.52	-0.637	22.88	0.194	1.000	Pass
			1	22	23.54	-0.637	22.90	0.195	1.000	Pass
		256QAM	12	6	21.71	-0.637	21.07	0.128	1.000	Pass
			1	1	21.65	-0.637	21.01	0.126	1.000	Pass
			1	22	21.65	-0.637	21.01	0.126	1.000	Pass
	HCH	PI/2 BPSK	12	6	26.13	-0.637	25.49	0.354	1.000	Pass
			1	1	26.19	-0.637	25.55	0.359	1.000	Pass
			1	22	26.19	-0.637	25.55	0.359	1.000	Pass
		QPSK	12	6	26.08	-0.637	25.44	0.350	1.000	Pass
			1	1	26.19	-0.637	25.55	0.359	1.000	Pass
			1	22	26.22	-0.637	25.58	0.362	1.000	Pass

60		16QAM	12	6	25.09	-0.637	24.45	0.279	1.000	Pass
			1	1	25.32	-0.637	24.68	0.294	1.000	Pass
			1	22	25.33	-0.637	24.69	0.295	1.000	Pass
		64QAM	12	6	23.67	-0.637	23.03	0.201	1.000	Pass
			1	1	23.46	-0.637	22.82	0.192	1.000	Pass
			1	22	23.48	-0.637	22.84	0.192	1.000	Pass
		256QAM	12	6	21.55	-0.637	20.91	0.123	1.000	Pass
			1	1	21.52	-0.637	20.88	0.123	1.000	Pass
			1	22	21.63	-0.637	20.99	0.126	1.000	Pass
	LCH	PI/2 BPSK	64	32	26.41	-0.637	25.77	0.378	1.000	Pass
			1	1	26.51	-0.637	25.87	0.387	1.000	Pass
			1	131	26.11	-0.637	25.47	0.353	1.000	Pass
		QPSK	64	32	26.4	-0.637	25.76	0.377	1.000	Pass
			1	1	26.48	-0.637	25.84	0.384	1.000	Pass
			1	131	26.12	-0.637	25.48	0.353	1.000	Pass
		16QAM	64	32	25.42	-0.637	24.78	0.301	1.000	Pass
			1	1	25.55	-0.637	24.91	0.310	1.000	Pass
			1	131	25.19	-0.637	24.55	0.285	1.000	Pass
		64QAM	64	32	23.97	-0.637	23.33	0.215	1.000	Pass
			1	1	23.61	-0.637	22.97	0.198	1.000	Pass
			1	131	23.24	-0.637	22.60	0.182	1.000	Pass
		256QAM	64	32	21.94	-0.637	21.30	0.135	1.000	Pass
			1	1	21.82	-0.637	21.18	0.131	1.000	Pass
			1	131	21.42	-0.637	20.78	0.120	1.000	Pass
	MCH	PI/2 BPSK	64	32	26.33	-0.637	25.69	0.371	1.000	Pass
			1	1	26.55	-0.637	25.91	0.390	1.000	Pass
			1	131	26.12	-0.637	25.48	0.353	1.000	Pass
		QPSK	64	32	26.36	-0.637	25.72	0.374	1.000	Pass
			1	1	26.62	-0.637	25.98	0.397	1.000	Pass
			1	131	26.16	-0.637	25.52	0.357	1.000	Pass
		16QAM	64	32	25.37	-0.637	24.73	0.297	1.000	Pass
			1	1	25.68	-0.637	25.04	0.319	1.000	Pass
			1	131	25.2	-0.637	24.56	0.286	1.000	Pass
		64QAM	64	32	23.89	-0.637	23.25	0.211	1.000	Pass
			1	1	23.74	-0.637	23.10	0.204	1.000	Pass
			1	131	23.32	-0.637	22.68	0.185	1.000	Pass
		256QAM	64	32	21.88	-0.637	21.24	0.133	1.000	Pass
			1	1	21.91	-0.637	21.27	0.134	1.000	Pass
			1	131	21.39	-0.637	20.75	0.119	1.000	Pass
	HCH	PI/2 BPSK	64	32	26.26	-0.637	25.62	0.365	1.000	Pass
			1	1	26.31	-0.637	25.67	0.369	1.000	Pass
			1	131	26.07	-0.637	25.43	0.349	1.000	Pass
		QPSK	64	32	26.28	-0.637	25.64	0.367	1.000	Pass

			1	1	26.31	-0.637	25.67	0.369	1.000	Pass
			1	131	26.03	-0.637	25.39	0.346	1.000	Pass
			64	32	25.23	-0.637	24.59	0.288	1.000	Pass
		16QAM	1	1	25.42	-0.637	24.78	0.301	1.000	Pass
			1	131	25.1	-0.637	24.46	0.279	1.000	Pass
			64	32	23.73	-0.637	23.09	0.204	1.000	Pass
		64QAM	1	1	23.46	-0.637	22.82	0.192	1.000	Pass
			1	131	23.2	-0.637	22.56	0.180	1.000	Pass
			64	32	21.72	-0.637	21.08	0.128	1.000	Pass
		256QAM	1	1	21.61	-0.637	20.97	0.125	1.000	Pass
			1	131	21.38	-0.637	20.74	0.119	1.000	Pass
			135	67	26.24	-0.637	25.60	0.363	1.000	Pass
		PI/2 BPSK	1	1	26.56	-0.637	25.92	0.391	1.000	Pass
			1	271	26.18	-0.637	25.54	0.358	1.000	Pass
			135	67	26.25	-0.637	25.61	0.364	1.000	Pass
100	MCH	QPSK	1	1	26.67	-0.637	26.03	0.401	1.000	Pass
			1	271	26.27	-0.637	25.63	0.366	1.000	Pass
			135	67	25.19	-0.637	24.55	0.285	1.000	Pass
		16QAM	1	1	25.68	-0.637	25.04	0.319	1.000	Pass
			1	271	25.3	-0.637	24.66	0.293	1.000	Pass
			135	67	23.76	-0.637	23.12	0.205	1.000	Pass
		64QAM	1	1	23.76	-0.637	23.12	0.205	1.000	Pass
			1	271	23.34	-0.637	22.70	0.186	1.000	Pass
			135	67	21.72	-0.637	21.08	0.128	1.000	Pass
		256QAM	1	1	21.81	-0.637	21.17	0.131	1.000	Pass
			1	271	21.6	-0.637	20.96	0.125	1.000	Pass

Test BW	Test Channel	Test Mode	UL RB Number	UL RB Position	Conducted Output AV Power(dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
NR Band n77(3700MHz-3980MHz)										
20	LCH	PI/2 BPSK	12	6	24.54	-0.647	23.89	0.245	1.000	Pass
			1	1	24.52	-0.647	23.87	0.244	1.000	Pass
			1	22	24.66	-0.647	24.01	0.252	1.000	Pass
		QPSK	12	6	24.59	-0.647	23.94	0.248	1.000	Pass
			1	1	24.64	-0.647	23.99	0.251	1.000	Pass
			1	22	24.74	-0.647	24.09	0.257	1.000	Pass
		16QAM	12	6	23.55	-0.647	22.90	0.195	1.000	Pass
			1	1	23.71	-0.647	23.06	0.202	1.000	Pass
			1	22	23.77	-0.647	23.12	0.205	1.000	Pass
		64QAM	12	6	21.91	-0.647	21.26	0.134	1.000	Pass
			1	1	21.68	-0.647	21.03	0.127	1.000	Pass
			1	22	21.68	-0.647	21.03	0.127	1.000	Pass
	MCH	256QAM	12	6	19.54	-0.647	18.89	0.077	1.000	Pass
			1	1	19.51	-0.647	18.86	0.077	1.000	Pass
			1	22	19.8	-0.647	19.15	0.082	1.000	Pass
		PI/2 BPSK	12	6	24.7	-0.647	24.05	0.254	1.000	Pass
			1	1	24.65	-0.647	24.00	0.251	1.000	Pass
			1	22	24.7	-0.647	24.05	0.254	1.000	Pass
		QPSK	12	6	24.64	-0.647	23.99	0.251	1.000	Pass
			1	1	24.55	-0.647	23.90	0.246	1.000	Pass
			1	22	24.7	-0.647	24.05	0.254	1.000	Pass
		16QAM	12	6	23.57	-0.647	22.92	0.196	1.000	Pass
			1	1	23.53	-0.647	22.88	0.194	1.000	Pass
			1	22	23.62	-0.647	22.97	0.198	1.000	Pass
		64QAM	12	6	21.98	-0.647	21.33	0.136	1.000	Pass
			1	1	21.6	-0.647	20.95	0.125	1.000	Pass
			1	22	21.74	-0.647	21.09	0.129	1.000	Pass
		256QAM	12	6	20.06	-0.647	19.41	0.087	1.000	Pass
			1	1	20.05	-0.647	19.40	0.087	1.000	Pass
			1	22	20.08	-0.647	19.43	0.088	1.000	Pass
	HCH	PI/2 BPSK	12	6	25.12	-0.647	24.47	0.280	1.000	Pass
			1	1	25.17	-0.647	24.52	0.283	1.000	Pass
			1	22	25.12	-0.647	24.47	0.280	1.000	Pass
		QPSK	12	6	25.08	-0.647	24.43	0.278	1.000	Pass
			1	1	25.19	-0.647	24.54	0.285	1.000	Pass

60	LCH	16QAM	1	22	25.12	-0.647	24.47	0.280	1.000	Pass
			12	6	24.09	-0.647	23.44	0.221	1.000	Pass
			1	1	24.26	-0.647	23.61	0.230	1.000	Pass
			1	22	24.19	-0.647	23.54	0.226	1.000	Pass
		64QAM	12	6	22.57	-0.647	21.92	0.156	1.000	Pass
			1	1	22.5	-0.647	21.85	0.153	1.000	Pass
			1	22	22.4	-0.647	21.75	0.150	1.000	Pass
		256QAM	12	6	20.62	-0.647	19.97	0.099	1.000	Pass
			1	1	20.5	-0.647	19.85	0.097	1.000	Pass
			1	22	20.44	-0.647	19.79	0.095	1.000	Pass
	MCH	PI/2 BPSK	64	32	24.95	-0.647	24.30	0.269	1.000	Pass
			1	1	24.88	-0.647	24.23	0.265	1.000	Pass
			1	131	24.64	-0.647	23.99	0.251	1.000	Pass
		QPSK	64	32	24.95	-0.647	24.30	0.269	1.000	Pass
			1	1	24.95	-0.647	24.30	0.269	1.000	Pass
			1	131	24.72	-0.647	24.07	0.255	1.000	Pass
		16QAM	64	32	23.96	-0.647	23.31	0.214	1.000	Pass
			1	1	24	-0.647	23.35	0.216	1.000	Pass
			1	131	23.81	-0.647	23.16	0.207	1.000	Pass
		64QAM	64	32	22.44	-0.647	21.79	0.151	1.000	Pass
			1	1	22.09	-0.647	21.44	0.139	1.000	Pass
			1	131	21.91	-0.647	21.26	0.134	1.000	Pass
		256QAM	64	32	20.27	-0.647	19.62	0.092	1.000	Pass
			1	1	20.13	-0.647	19.48	0.089	1.000	Pass
			1	131	19.85	-0.647	19.20	0.083	1.000	Pass
		PI/2 BPSK	64	32	24.93	-0.647	24.28	0.268	1.000	Pass
			1	1	24.91	-0.647	24.26	0.267	1.000	Pass
			1	131	24.79	-0.647	24.14	0.260	1.000	Pass
		QPSK	64	32	24.91	-0.647	24.26	0.267	1.000	Pass
			1	1	24.95	-0.647	24.30	0.269	1.000	Pass
			1	131	24.79	-0.647	24.14	0.260	1.000	Pass
		16QAM	64	32	23.87	-0.647	23.22	0.210	1.000	Pass
			1	1	24.05	-0.647	23.40	0.219	1.000	Pass
			1	131	23.92	-0.647	23.27	0.212	1.000	Pass
		64QAM	64	32	22.4	-0.647	21.75	0.150	1.000	Pass
			1	1	22.08	-0.647	21.43	0.139	1.000	Pass
			1	131	21.81	-0.647	21.16	0.131	1.000	Pass
		256QAM	64	32	20.36	-0.647	19.71	0.094	1.000	Pass
			1	1	20.2	-0.647	19.55	0.090	1.000	Pass
			1	131	20.06	-0.647	19.41	0.087	1.000	Pass
	HCH	PI/2 BPSK	64	32	25.31	-0.647	24.66	0.293	1.000	Pass
			1	1	25.2	-0.647	24.55	0.285	1.000	Pass
			1	131	25.21	-0.647	24.56	0.286	1.000	Pass

		QPSK	64	32	25.33	-0.647	24.68	0.294	1.000	Pass
			1	1	25.21	-0.647	24.56	0.286	1.000	Pass
			1	131	25.19	-0.647	24.54	0.285	1.000	Pass
		16QAM	64	32	24.28	-0.647	23.63	0.231	1.000	Pass
			1	1	24.32	-0.647	23.67	0.233	1.000	Pass
			1	131	24.28	-0.647	23.63	0.231	1.000	Pass
		64QAM	64	32	22.82	-0.647	22.17	0.165	1.000	Pass
			1	1	22.41	-0.647	21.76	0.150	1.000	Pass
			1	131	22.42	-0.647	21.77	0.150	1.000	Pass
		256QAM	64	32	20.82	-0.647	20.17	0.104	1.000	Pass
			1	1	20.6	-0.647	19.95	0.099	1.000	Pass
			1	131	20.52	-0.647	19.87	0.097	1.000	Pass
100	LCH	PI/2 BPSK	135	67	24.68	-0.647	24.03	0.253	1.000	Pass
			1	1	24.97	-0.647	24.32	0.271	1.000	Pass
			1	271	24.62	-0.647	23.97	0.250	1.000	Pass
		QPSK	135	67	24.69	-0.647	24.04	0.254	1.000	Pass
			1	1	24.98	-0.647	24.33	0.271	1.000	Pass
			1	271	24.62	-0.647	23.97	0.250	1.000	Pass
		16QAM	135	67	23.66	-0.647	23.01	0.200	1.000	Pass
			1	1	23.9	-0.647	23.25	0.211	1.000	Pass
			1	271	23.62	-0.647	22.97	0.198	1.000	Pass
		64QAM	135	67	22.14	-0.647	21.49	0.141	1.000	Pass
			1	1	21.99	-0.647	21.34	0.136	1.000	Pass
			1	271	21.61	-0.647	20.96	0.125	1.000	Pass
		256QAM	135	67	19.93	-0.647	19.28	0.085	1.000	Pass
			1	1	20.21	-0.647	19.56	0.090	1.000	Pass
			1	271	19.86	-0.647	19.21	0.083	1.000	Pass
	MCH	PI/2 BPSK	135	67	24.9	-0.647	24.25	0.266	1.000	Pass
			1	1	25.07	-0.647	24.42	0.277	1.000	Pass
			1	271	24.98	-0.647	24.33	0.271	1.000	Pass
		QPSK	135	67	24.87	-0.647	24.22	0.264	1.000	Pass
			1	1	25.11	-0.647	24.46	0.279	1.000	Pass
			1	271	25	-0.647	24.35	0.272	1.000	Pass
		16QAM	135	67	23.83	-0.647	23.18	0.208	1.000	Pass
			1	1	24.1	-0.647	23.45	0.221	1.000	Pass
			1	271	24.01	-0.647	23.36	0.217	1.000	Pass
		64QAM	135	67	22.34	-0.647	21.69	0.148	1.000	Pass
			1	1	22.07	-0.647	21.42	0.139	1.000	Pass
			1	271	22.05	-0.647	21.40	0.138	1.000	Pass
		256QAM	135	67	20.21	-0.647	19.56	0.090	1.000	Pass
			1	1	20.33	-0.647	19.68	0.093	1.000	Pass
			1	271	20.28	-0.647	19.63	0.092	1.000	Pass
	HCH	PI/2	135	67	25.14	-0.647	24.49	0.281	1.000	Pass

		BPSK	1	1	25.15	-0.647	24.50	0.282	1.000	Pass
			1	271	25.09	-0.647	24.44	0.278	1.000	Pass
		QPSK	135	67	25.04	-0.647	24.39	0.275	1.000	Pass
			1	1	25.18	-0.647	24.53	0.284	1.000	Pass
			1	271	25.04	-0.647	24.39	0.275	1.000	Pass
		16QAM	135	67	24.04	-0.647	23.39	0.218	1.000	Pass
			1	1	24.26	-0.647	23.61	0.230	1.000	Pass
			1	271	24.19	-0.647	23.54	0.226	1.000	Pass
		64QAM	135	67	22.56	-0.647	21.91	0.155	1.000	Pass
			1	1	22.35	-0.647	21.70	0.148	1.000	Pass
			1	271	22.27	-0.647	21.62	0.145	1.000	Pass
		256QAM	135	67	20.54	-0.647	19.89	0.098	1.000	Pass
			1	1	20.54	-0.647	19.89	0.098	1.000	Pass
			1	271	20.45	-0.647	19.80	0.096	1.000	Pass

A.2 Peak to Average Ratio

Note 1: Test plots please refer to the document “Annex No.:BL-SZ2550493-501 Data Part 1.pdf”.

Note 2 : The other band's results of the Peak to Average Ratio please refer to the report in the following test reports (all issued by Shenzhen Accurate Technology Co., Ltd. with original FCC ID: XHG-CG890):

Report No. RA230104-00558E-RF-00E (issued Feb. 27, 2023)

Report No. RA230104-00558E-RF-00C (issued Mar. 22, 2023)

Report No. RA230104-00558E-RF-00F (issued Mar. 17, 2023)

Report No. RA230104-00558E-RF-00D (issued Mar. 16, 2023)

LTE Mode Test Data

Test Band	Test Band width	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note1}	Verdict
LTE Band 25	20 MHz	LCH	QPSK	RB1#Low	3.09	13	1.1	Pass
				RB100#Low	4.87	13	1.2	Pass
			16-QAM	RB1#Low	4.12	13	1.3	Pass
				RB100#Low	5.67	13	1.4	Pass
		MCH	QPSK	RB1#Low	3.28	13	1.5	Pass
				RB100#Low	4.83	13	1.6	Pass
			16-QAM	RB1#Low	4.22	13	1.7	Pass
				RB100#Low	5.58	13	1.8	Pass
		HCH	QPSK	RB1#Low	3.37	13	1.9	Pass
				RB100#Low	4.83	13	1.10	Pass
			16-QAM	RB1#Low	3.98	13	1.11	Pass
				RB100#Low	5.58	13	1.12	Pass
LTE Band 26 (824-849MHz)	15 MHz	LCH	QPSK	RB1#Low	3	13	2.1	Pass
				RB75#Low	5.02	13	2.2	Pass
			16-QAM	RB1#Low	3.7	13	2.3	Pass
				RB75#Low	5.81	13	2.4	Pass
		MCH	QPSK	RB1#Low	2.95	13	2.5	Pass
				RB75#Low	5.02	13	2.6	Pass
			16-QAM	RB1#Low	3.84	13	2.7	Pass
				RB75#Low	5.81	13	2.8	Pass
		HCH	QPSK	RB1#Low	3.75	13	2.9	Pass
				RB75#Low	5.02	13	2.10	Pass
			16-QAM	RB1#Low	4.59	13	2.11	Pass
				RB75#Low	5.77	13	2.12	Pass
LTE Band 26 (814-824MHz)	10 MHz	MCH	QPSK	RB1#Low	3.05	13	3.1	Pass
				RB50#Low	5.06	13	3.2	Pass

Test Band	Test Band width	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note1}	Verdict
)			16-QAM	RB1#Low	3.98	13	3.3	Pass
				RB50#Low	5.81	13	3.4	Pass

NR Mode Test Data

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
n25	5 MHz	LCH	PI2 BPSK	1	0	8.58	13	4.1	Pass
				25	0	8.58	13	4.2	Pass
			QPSK	1	0	8.58	13	4.3	Pass
				25	0	8.58	13	4.4	Pass
			16QAM	1	0	8.58	13	4.5	Pass
				25	0	8.62	13	4.6	Pass
			64QAM	1	0	8.53	13	4.7	Pass
				25	0	8.62	13	4.8	Pass
			256QAM	1	0	8.62	13	4.9	Pass
				25	0	8.62	13	4.10	Pass
		MCH	PI2 BPSK	1	0	8.58	13	4.11	Pass
				25	0	8.58	13	4.12	Pass
			QPSK	1	0	8.58	13	4.13	Pass
				25	0	8.58	13	4.14	Pass
			16QAM	1	0	8.58	13	4.15	Pass
				25	0	8.58	13	4.16	Pass
			64QAM	1	0	8.62	13	4.17	Pass
				25	0	8.53	13	4.18	Pass
			256QAM	1	0	8.58	13	4.19	Pass
				25	0	8.58	13	4.20	Pass
		HCH	PI2 BPSK	1	0	8.53	13	4.21	Pass
				25	0	8.58	13	4.22	Pass
			QPSK	1	0	8.53	13	4.23	Pass
				25	0	8.48	13	4.24	Pass
			16QAM	1	0	8.53	13	4.25	Pass
				25	0	8.48	13	4.26	Pass
			64QAM	1	0	8.53	13	4.27	Pass
				25	0	8.58	13	4.28	Pass
			256QAM	1	0	8.58	13	4.29	Pass
				25	0	8.48	13	4.30	Pass
	25 MHz	LCH	PI2 BPSK	1	0	8.58	13	4.31	Pass
				128	0	8.58	13	4.32	Pass
			QPSK	1	0	8.48	13	4.33	Pass
				128	0	8.53	13	4.34	Pass
			16QAM	1	0	8.58	13	4.35	Pass
				128	0	8.62	13	4.36	Pass
			64QAM	1	0	8.58	13	4.37	Pass
				128	0	8.53	13	4.38	Pass

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
			256QAM	1	0	8.58	13	4.39	Pass
				128	0	8.58	13	4.40	Pass
		MCH	PI2 BPSK	1	0	8.53	13	4.41	Pass
				128	0	8.58	13	4.42	Pass
			QPSK	1	0	8.62	13	4.43	Pass
				128	0	8.62	13	4.44	Pass
			16QAM	1	0	8.58	13	4.45	Pass
				128	0	8.58	13	4.46	Pass
			64QAM	1	0	8.62	13	4.47	Pass
				128	0	8.58	13	4.48	Pass
			256QAM	1	0	8.62	13	4.49	Pass
				128	0	8.58	13	4.50	Pass
		HCH	PI2 BPSK	1	0	8.58	13	4.51	Pass
				128	0	8.62	13	4.52	Pass
			QPSK	1	0	8.53	13	4.53	Pass
				128	0	8.58	13	4.54	Pass
			16QAM	1	0	8.58	13	4.55	Pass
				128	0	8.62	13	4.56	Pass
			64QAM	1	0	8.67	13	4.57	Pass
				128	0	8.58	13	4.58	Pass
			256QAM	1	0	8.62	13	4.59	Pass
				128	0	8.58	13	4.60	Pass
	40 MHz	LCH	PI2 BPSK	1	0	8.58	13	4.61	Pass
				216	0	8.62	13	4.62	Pass
			QPSK	1	0	8.53	13	4.63	Pass
				216	0	8.58	13	4.64	Pass
			16QAM	1	0	8.58	13	4.65	Pass
				216	0	8.53	13	4.66	Pass
			64QAM	1	0	8.62	13	4.67	Pass
				216	0	8.58	13	4.68	Pass
		MCH	256QAM	1	0	8.58	13	4.69	Pass
				216	0	8.58	13	4.70	Pass
			PI2 BPSK	1	0	8.58	13	4.71	Pass
				216	0	8.58	13	4.72	Pass
			QPSK	1	0	8.53	13	4.73	Pass
				216	0	8.62	13	4.74	Pass
			16QAM	1	0	8.58	13	4.75	Pass
				216	0	8.62	13	4.76	Pass
			64QAM	1	0	8.58	13	4.77	Pass

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
			256QAM	216	0	8.62	13	4.78	Pass
				1	0	8.62	13	4.79	Pass
				216	0	8.58	13	4.80	Pass
		HCH	PI2 BPSK	1	0	8.58	13	4.81	Pass
				216	0	8.58	13	4.82	Pass
			QPSK	1	0	8.58	13	4.83	Pass
				216	0	8.58	13	4.84	Pass
			16QAM	1	0	8.58	13	4.85	Pass
				216	0	8.58	13	4.86	Pass
			64QAM	1	0	8.58	13	4.87	Pass
				216	0	8.58	13	4.88	Pass
			256QAM	1	0	8.58	13	4.89	Pass
				216	0	8.62	13	4.90	Pass
n41	20 MHz	LCH	PI2 BPSK	1	0	3.37	13	5.1	Pass
				50	0	4.17	13	5.2	Pass
			QPSK	1	0	3.42	13	5.3	Pass
				50	0	5.16	13	5.4	Pass
			16QAM	1	0	4.5	13	5.5	Pass
				50	0	5.95	13	5.6	Pass
			64QAM	1	0	5.62	13	5.7	Pass
				50	0	6.33	13	5.8	Pass
			256QAM	1	0	6.33	13	5.9	Pass
				50	0	6.89	13	5.10	Pass
		MCH	PI2 BPSK	1	0	4.12	13	5.11	Pass
				50	0	4.41	13	5.12	Pass
			QPSK	1	0	4.17	13	5.13	Pass
				50	0	5.34	13	5.14	Pass
			16QAM	1	0	5.2	13	5.15	Pass
				50	0	6.19	13	5.16	Pass
			64QAM	1	0	5.86	13	5.17	Pass
				50	0	6.47	13	5.18	Pass
			256QAM	1	0	6.42	13	5.19	Pass
				50	0	7.03	13	5.20	Pass
		HCH	PI2 BPSK	1	0	3.84	13	5.21	Pass
				50	0	3.94	13	5.22	Pass
			QPSK	1	0	4.5	13	5.23	Pass
				50	0	4.64	13	5.24	Pass
			16QAM	1	0	5.48	13	5.25	Pass
				50	0	5.53	13	5.26	Pass

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
			64QAM	1	0	5.48	13	5.27	Pass
				50	0	5.95	13	5.28	Pass
			256QAM	1	0	6.66	13	5.29	Pass
				50	0	6.84	13	5.30	Pass
	60 MHz	LCH	PI2 BPSK	1	0	2.97	13	5.31	Pass
				50	0	4.31	13	5.32	Pass
			QPSK	1	0	3.48	13	5.33	Pass
				50	0	5.06	13	5.34	Pass
			16QAM	1	0	4.47	13	5.35	Pass
				50	0	5.95	13	5.36	Pass
			64QAM	1	0	4.97	13	5.37	Pass
				50	0	6.26	13	5.38	Pass
			256QAM	1	0	5.92	13	5.39	Pass
				50	0	6.55	13	5.40	Pass
		MCH	PI2 BPSK	1	0	3.91	13	5.41	Pass
				50	0	4.33	13	5.42	Pass
			QPSK	1	0	4.06	13	5.43	Pass
				50	0	5.25	13	5.44	Pass
			16QAM	1	0	5.15	13	5.45	Pass
				50	0	6.09	13	5.46	Pass
			64QAM	1	0	5.82	13	5.47	Pass
				50	0	6.48	13	5.48	Pass
			256QAM	1	0	6.65	13	5.49	Pass
				50	0	6.81	13	5.50	Pass
		HCH	PI2 BPSK	1	0	3.98	13	5.51	Pass
				50	0	4.21	13	5.52	Pass
			QPSK	1	0	4.39	13	5.53	Pass
				50	0	5.31	13	5.54	Pass
			16QAM	1	0	5.43	13	5.55	Pass
				50	0	6.15	13	5.56	Pass
			64QAM	1	0	5.84	13	5.57	Pass
				50	0	6.38	13	5.58	Pass
			256QAM	1	0	6.25	13	5.59	Pass
				50	0	6.73	13	5.60	Pass
	100 MHz	LCH	PI2 BPSK	1	0	3.02	13	5.61	Pass
				50	0	4.26	13	5.62	Pass

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
			QPSK	1	0	3.47	13	5.63	Pass
				50	0	4.78	13	5.64	Pass
			16QAM	1	0	4.4	13	5.65	Pass
				50	0	6.13	13	5.66	Pass
			64QAM	1	0	4.98	13	5.67	Pass
				50	0	6.36	13	5.68	Pass
			256QAM	1	0	6.22	13	5.69	Pass
				50	0	6.56	13	5.70	Pass
		MCH	PI2 BPSK	1	0	3.99	13	5.71	Pass
				50	0	4.63	13	5.72	Pass
			QPSK	1	0	4.95	13	5.73	Pass
				50	0	5.11	13	5.74	Pass
			16QAM	1	0	5.96	13	5.75	Pass
				50	0	6.11	13	5.76	Pass
			64QAM	1	0	5.84	13	5.77	Pass
				50	0	6.43	13	5.78	Pass
			256QAM	1	0	6.67	13	5.79	Pass
				50	0	6.75	13	5.80	Pass
		HCH	PI2 BPSK	1	0	4.03	13	5.81	Pass
				50	0	4.96	13	5.82	Pass
			QPSK	1	0	5.03	13	5.83	Pass
				50	0	5.27	13	5.84	Pass
			16QAM	1	0	6.06	13	5.85	Pass
				50	0	6.12	13	5.86	Pass
			64QAM	1	0	5.66	13	5.87	Pass
				50	0	6.44	13	5.88	Pass
			256QAM	1	0	6.41	13	5.89	Pass
				50	0	6.7	13	5.90	Pass
n77(3450-3550)	20 MHz	LCH	PI2 BPSK	1	0	3.68	13	6.1	Pass
				50	0	3.98	13	6.2	Pass
			QPSK	1	0	4.62	13	6.3	Pass
				50	0	4.74	13	6.4	Pass
			16QAM	1	0	5	13	6.5	Pass
				50	0	5.67	13	6.6	Pass
			64QAM	1	0	5.4	13	6.7	Pass
				50	0	5.96	13	6.8	Pass

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
			256QAM	1	0	6.18	13	6.9	Pass
				50	0	6.41	13	6.10	Pass
		MCH	PI2 BPSK	1	0	3.87	13	6.11	Pass
				50	0	3.74	13	6.12	Pass
			QPSK	1	0	4.27	13	6.13	Pass
				50	0	4.3	13	6.14	Pass
			16QAM	1	0	5.03	13	6.15	Pass
				50	0	5.24	13	6.16	Pass
			64QAM	1	0	5.65	13	6.17	Pass
				50	0	5.57	13	6.18	Pass
			256QAM	1	0	6.14	13	6.19	Pass
				50	0	6.34	13	6.20	Pass
		HCH	PI2 BPSK	1	0	3.84	13	6.21	Pass
				50	0	3.76	13	6.22	Pass
			QPSK	1	0	4.21	13	6.23	Pass
				50	0	4.29	13	6.24	Pass
			16QAM	1	0	4.86	13	6.25	Pass
				50	0	5.24	13	6.26	Pass
			64QAM	1	0	5.51	13	6.27	Pass
				50	0	5.6	13	6.28	Pass
			256QAM	1	0	6.13	13	6.29	Pass
				50	0	6.35	13	6.30	Pass
	60 MHz	LCH	PI2 BPSK	1	0	3.43	13	6.31	Pass
				50	0	3.79	13	6.32	Pass
			QPSK	1	0	3.44	13	6.33	Pass
				50	0	4.39	13	6.34	Pass
			16QAM	1	0	5.17	13	6.35	Pass
				50	0	5.19	13	6.36	Pass
			64QAM	1	0	5.37	13	6.37	Pass
				50	0	5.61	13	6.38	Pass
			256QAM	1	0	6.06	13	6.39	Pass
				50	0	6.1	13	6.40	Pass
		MCH	PI2 BPSK	1	0	3.63	13	6.41	Pass
				50	0	3.66	13	6.42	Pass
			QPSK	1	0	3.74	13	6.43	Pass
				50	0	4.23	13	6.44	Pass
			16QAM	1	0	4.7	13	6.45	Pass

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
				50	0	5.07	13	6.46	Pass
			64QAM	1	0	5.24	13	6.47	Pass
				50	0	5.48	13	6.48	Pass
			256QAM	1	0	6.23	13	6.49	Pass
				50	0	6.15	13	6.50	Pass
		HCH	PI2 BPSK	1	0	3.53	13	6.51	Pass
				50	0	3.57	13	6.52	Pass
			QPSK	1	0	3.59	13	6.53	Pass
				50	0	4.49	13	6.54	Pass
			16QAM	1	0	4.52	13	6.55	Pass
				50	0	5.28	13	6.56	Pass
			64QAM	1	0	5.17	13	6.57	Pass
				50	0	5.63	13	6.58	Pass
			256QAM	1	0	5.76	13	6.59	Pass
				50	0	6.15	13	6.60	Pass
	100 MHz	LCH	PI2 BPSK	1	0	3.43	13	6.61	Pass
				50	0	3.93	13	6.62	Pass
			QPSK	1	0	4.3	13	6.63	Pass
				50	0	4.41	13	6.64	Pass
			16QAM	1	0	5.4	13	6.65	Pass
				50	0	5.3	13	6.66	Pass
			64QAM	1	0	5.4	13	6.68	Pass
				50	0	6.71	13	6.68	Pass
			256QAM	1	0	5.73	13	6.69	Pass
				50	0	6.27	13	6.70	Pass
n77(3700-3980)	20 MHz	LCH	PI2 BPSK	1	0	4.06	13	7.1	Pass
				50	0	3.95	13	7.2	Pass
			QPSK	1	0	4.91	13	7.3	Pass
				50	0	5.45	13	7.4	Pass
			16QAM	1	0	5.23	13	7.5	Pass
				50	0	6.46	13	7.6	Pass
			64QAM	1	0	6.11	13	7.7	Pass
				50	0	6.63	13	7.8	Pass
			256QAM	1	0	6.82	13	7.9	Pass
				50	0	6.83	13	7.10	Pass
		MCH	PI2 BPSK	1	0	4.17	13	7.11	Pass
				50	0	4.2	13	7.12	Pass

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
	60 MHz		QPSK	1	0	4.51	13	7.13	Pass
				50	0	4.65	13	7.14	Pass
			16QAM	1	0	5.37	13	7.15	Pass
				50	0	5.71	13	7.16	Pass
			64QAM	1	0	6.25	13	7.17	Pass
				50	0	6.1	13	7.18	Pass
			256QAM	1	0	7.06	13	7.19	Pass
				50	0	6.88	13	7.20	Pass
		HCH	PI2 BPSK	1	0	2.76	13	7.21	Pass
				50	0	3.1	13	7.22	Pass
			QPSK	1	0	2.9	13	7.23	Pass
				50	0	3.81	13	7.24	Pass
			16QAM	1	0	3.61	13	7.25	Pass
				50	0	4.7	13	7.26	Pass
			64QAM	1	0	4.13	13	7.27	Pass
				50	0	5.03	13	7.28	Pass
			256QAM	1	0	4.99	13	7.29	Pass
				50	0	5.99	13	7.30	Pass
		LCH	PI2 BPSK	1	0	4.15	13	7.31	Pass
				50	0	4.57	13	7.32	Pass
			QPSK	1	0	3.72	13	7.33	Pass
				50	0	5.39	13	7.34	Pass
			16QAM	1	0	5.78	13	7.35	Pass
				50	0	6.22	13	7.36	Pass
			64QAM	1	0	5.79	13	7.37	Pass
				50	0	6.47	13	7.38	Pass
			256QAM	1	0	6.86	13	7.39	Pass
				50	0	6.8	13	7.40	Pass
		MCH	PI2 BPSK	1	0	4.12	13	7.41	Pass
				50	0	4.52	13	7.42	Pass
			QPSK	1	0	3.78	13	7.43	Pass
				50	0	5.12	13	7.44	Pass
			16QAM	1	0	5.2	13	7.45	Pass
				50	0	6.05	13	7.46	Pass
			64QAM	1	0	5.9	13	7.47	Pass
				50	0	6.35	13	7.48	Pass
			256QAM	1	0	6.45	13	7.49	Pass
				50	0	6.45	13	7.49	Pass

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
		HCH		50	0	6.63	13	7.50	Pass
				1	0	3.09	13	7.51	Pass
			PI2 BPSK	50	0	3.68	13	7.52	Pass
				1	0	3.2	13	7.53	Pass
			QPSK	50	0	4.23	13	7.54	Pass
				1	0	4.28	13	7.55	Pass
			16QAM	50	0	5.06	13	7.56	Pass
				1	0	4.29	13	7.57	Pass
			64QAM	50	0	5.43	13	7.58	Pass
				1	0	5.17	13	7.59	Pass
			256QAM	50	0	6.16	13	7.60	Pass
				1	0	4.13	13	7.61	Pass
	100 MHz	LCH	PI2 BPSK	50	0	4.09	13	7.62	Pass
				1	0	4.79	13	7.63	Pass
			QPSK	50	0	5.44	13	7.64	Pass
				1	0	5.89	13	7.65	Pass
			16QAM	50	0	6.27	13	7.66	Pass
				1	0	6.13	13	7.67	Pass
			64QAM	50	0	6.53	13	7.68	Pass
				1	0	6.94	13	7.69	Pass
			256QAM	50	0	6.74	13	7.70	Pass
				1	0	3.81	13	7.71	Pass
		MCH	PI2 BPSK	50	0	4.53	13	7.72	Pass
				1	0	5.03	13	7.73	Pass
			QPSK	50	0	4.95	13	7.74	Pass
				1	0	5.33	13	7.75	Pass
			16QAM	50	0	6	13	7.76	Pass
				1	0	5.86	13	7.77	Pass
			64QAM	50	0	6.32	13	7.78	Pass
				1	0	6.4	13	7.79	Pass
			256QAM	50	0	6.57	13	7.80	Pass
				1	0	3.98	13	7.81	Pass
		HCH	PI2 BPSK	50	0	4.04	13	7.82	Pass
				1	0	4.47	13	7.83	Pass
			QPSK	50	0	4.59	13	7.84	Pass
				1	0	4.47	13	7.83	Pass

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
			16QAM	1	0	6.24	13	7.85	Pass
				50	0	5.63	13	7.86	Pass
			64QAM	1	0	6.22	13	7.87	Pass
				50	0	5.99	13	7.88	Pass
			256QAM	1	0	6.68	13	7.89	Pass
				50	0	6.49	13	7.90	Pass

A.3 Occupied Bandwidth

Note 1: All modes were tested, but only the typical data were reported in this report.

Note 2: Test plots please refer to the document “Annex No.:BL-SZ2550493-501 Data Part 2.pdf”.

Note 3 : The other band's results of the Occupied Bandwidth please refer to the report in the following test reports (all issued by Shenzhen Accurate Technology Co., Ltd. with original FCC ID: XHG-CG890):

Report No. RA230104-00558E-RF-00E (issued Feb. 27, 2023)

Report No. RA230104-00558E-RF-00C (issued Mar. 22, 2023)

Report No. RA230104-00558E-RF-00F (issued Mar. 17, 2023)

Report No. RA230104-00558E-RF-00D (issued Mar. 16, 2023)

LTE Mode Test Data

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
Band 25	1.4 MHz	LCH	QPSK	RB6#Low	1.096	1.356	1.1
			16-QAM	RB6#Low	1.093	1.334	1.2
		MCH	QPSK	RB6#Low	1.097	1.396	1.3
			16-QAM	RB6#Low	1.099	1.364	1.4
		HCH	QPSK	RB6#Low	1.093	1.344	1.5
			16-QAM	RB6#Low	1.101	1.391	1.6
	3 MHz	LCH	QPSK	RB15#Low	2.711	3.088	1.7
			16-QAM	RB15#Low	2.714	3.084	1.8
		MCH	QPSK	RB15#Low	2.699	3.044	1.9
			16-QAM	RB15#Low	2.698	3.085	1.10
		HCH	QPSK	RB15#Low	2.718	3.095	1.11
			16-QAM	RB15#Low	2.715	3.075	1.12
	5 MHz	LCH	QPSK	RB25#Low	4.512	5.228	1.13
			16-QAM	RB25#Low	4.52	5.206	1.14
		MCH	QPSK	RB25#Low	4.519	5.174	1.15
			16-QAM	RB25#Low	4.518	5.157	1.16
		HCH	QPSK	RB25#Low	4.515	5.196	1.17
			16-QAM	RB25#Low	4.525	5.208	1.18
	10 MHz	LCH	QPSK	RB50#Low	9.013	10.147	1.19
			16-QAM	RB50#Low	9.016	10.034	1.20
		MCH	QPSK	RB50#Low	9.038	10.166	1.21
			16-QAM	RB50#Low	9.002	10.147	1.22
		HCH	QPSK	RB50#Low	9.01	10.044	1.23
			16-QAM	RB50#Low	8.981	10.065	1.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
	15 MHz	LCH	QPSK	RB75#Low	13.479	15.125	1.25
			16-QAM	RB75#Low	13.487	14.974	1.26
		MCH	QPSK	RB75#Low	13.503	14.912	1.27
			16-QAM	RB75#Low	13.499	14.935	1.28
		HCH	QPSK	RB75#Low	13.495	14.957	1.29
			16-QAM	RB75#Low	13.451	14.975	1.30
	20 MHz	LCH	QPSK	RB100#Low	17.947	19.955	1.31
			16-QAM	RB100#Low	17.975	19.707	1.32
		MCH	QPSK	RB100#Low	17.931	19.935	1.33
			16-QAM	RB100#Low	17.973	19.955	1.34
		HCH	QPSK	RB100#Low	17.923	19.687	1.35
			16-QAM	RB100#Low	17.975	19.858	1.36

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
Band 26 (Part 22)	1.4 MHz	LCH	QPSK	RB6#Low	1.097	1.372	2.1
			16-QAM	RB6#Low	1.102	1.346	2.2
		MCH	QPSK	RB6#Low	1.096	1.34	2.3
			16-QAM	RB6#Low	1.095	1.351	2.4
		HCH	QPSK	RB6#Low	1.098	1.341	2.5
			16-QAM	RB6#Low	1.098	1.363	2.6
	3 MHz	LCH	QPSK	RB15#Low	2.704	3.103	2.7
			16-QAM	RB15#Low	2.707	3.046	2.8
		MCH	QPSK	RB15#Low	2.708	3.086	2.9
			16-QAM	RB15#Low	2.705	3.029	2.10
		HCH	QPSK	RB15#Low	2.709	3.102	2.11
			16-QAM	RB15#Low	2.707	3.082	2.12
	5 MHz	LCH	QPSK	RB25#Low	4.519	5.161	2.13
			16-QAM	RB25#Low	4.524	5.19	2.14
		MCH	QPSK	RB25#Low	4.506	5.122	2.15
			16-QAM	RB25#Low	4.511	5.224	2.16
		HCH	QPSK	RB25#Low	4.518	5.202	2.17
			16-QAM	RB25#Low	4.524	5.191	2.18
	10 MHz	LCH	QPSK	RB50#Low	8.988	10.123	2.19
			16-QAM	RB50#Low	8.986	10.035	2.20
		MCH	QPSK	RB50#Low	8.975	10.048	2.21

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
		HCH	16-QAM	RB50#Low	8.986	10.047	2.22
			QPSK	RB50#Low	8.971	10.039	2.23
			16-QAM	RB50#Low	8.993	10.023	2.24
	15 MHz	LCH	QPSK	RB75#Low	13.487	15.053	2.25
			16-QAM	RB75#Low	13.475	14.893	2.26
		MCH	QPSK	RB75#Low	13.475	14.984	2.27
			16-QAM	RB75#Low	13.467	14.891	2.28
		HCH	QPSK	RB75#Low	13.431	14.796	2.29
			16-QAM	RB75#Low	13.434	14.887	2.30

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
Band 26 (Part 90)	1.4 MHz	LCH	QPSK	RB6#Low	1.093	1.353	3.1
			16-QAM	RB6#Low	1.098	1.397	3.2
		MCH	QPSK	RB6#Low	1.094	1.342	3.3
			16-QAM	RB6#Low	1.097	1.345	3.4
		HCH	QPSK	RB6#Low	1.098	1.375	3.5
			16-QAM	RB6#Low	1.094	1.328	3.6
	3 MHz	LCH	QPSK	RB15#Low	2.708	3.086	3.7
			16-QAM	RB15#Low	2.712	3.05	3.8
		MCH	QPSK	RB15#Low	2.706	3.146	3.9
			16-QAM	RB15#Low	2.703	3.031	3.10
		HCH	QPSK	RB15#Low	2.715	3.073	3.11
			16-QAM	RB15#Low	2.707	3.069	3.12
	5 MHz	LCH	QPSK	RB25#Low	4.513	5.157	3.13
			16-QAM	RB25#Low	4.523	5.175	3.14
		MCH	QPSK	RB25#Low	4.518	5.157	3.15
			16-QAM	RB25#Low	4.519	5.176	3.16
		HCH	QPSK	RB25#Low	4.514	5.147	3.17
			16-QAM	RB25#Low	4.508	5.138	3.18
	10 MHz	MCH	QPSK	RB50#Low	8.987	10.019	3.19
			16-QAM	RB50#Low	8.98	10.067	3.20

NR Mode Test Data

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Verdict	Refer to Plot ^{Note2}
n25	5 MHz	LCH	QPSK	25	0	4.5	5.27	Pass	4.1
		MCH	QPSK	25	0	4.52	5.35	Pass	4.2
		HCH	QPSK	25	0	4.51	5.25	Pass	4.3
	5 MHz	LCH	16QAM	25	0	4.5	5.21	Pass	4.4
		MCH	16QAM	25	0	4.54	5.22	Pass	4.5
		HCH	16QAM	25	0	4.5	5.15	Pass	4.6
	5 MHz	LCH	64QAM	25	0	4.51	5.28	Pass	4.7
		MCH	64QAM	25	0	4.5	5.32	Pass	4.8
		HCH	64QAM	25	0	4.51	5.27	Pass	4.9
	5 MHz	LCH	256QAM	25	0	4.51	5.34	Pass	4.10
		MCH	256QAM	25	0	4.51	5.32	Pass	4.11
		HCH	256QAM	25	0	4.5	5.25	Pass	4.12
	20 MHz	LCH	QPSK	106	0	18.96	20.3	Pass	4.13
		MCH	QPSK	106	0	18.94	22.17	Pass	4.14
		HCH	QPSK	106	0	18.83	20.18	Pass	4.15
	20 MHz	LCH	16QAM	106	0	19.08	21.18	Pass	4.16
		MCH	16QAM	106	0	19.06	22.27	Pass	4.17
		HCH	16QAM	106	0	18.97	20.31	Pass	4.18
	20 MHz	LCH	64QAM	106	0	19.05	24.49	Pass	4.19
		MCH	64QAM	106	0	19.03	21.88	Pass	4.20
		HCH	64QAM	106	0	18.95	20.37	Pass	4.21
	20 MHz	LCH	256QAM	106	0	19	25.35	Pass	4.22
		MCH	256QAM	106	0	18.96	22.33	Pass	4.23
		HCH	256QAM	106	0	18.85	22.28	Pass	4.24
	40 MHz	LCH	QPSK	216	0	38.63	41.25	Pass	4.25
		MCH	QPSK	216	0	38.69	41.28	Pass	4.26
		HCH	QPSK	216	0	38.56	41.2	Pass	4.27
	40 MHz	LCH	16QAM	216	0	38.63	41.2	Pass	4.28
		MCH	16QAM	216	0	38.69	41.2	Pass	4.29
		HCH	16QAM	216	0	38.59	41.24	Pass	4.30
	40 MHz	LCH	64QAM	216	0	38.62	41.23	Pass	4.31
		MCH	64QAM	216	0	38.7	41.19	Pass	4.32
		HCH	64QAM	216	0	38.54	41.21	Pass	4.33
	40 MHz	LCH	256QAM	216	0	38.63	41.24	Pass	4.34
		MCH	256QAM	216	0	38.69	41.19	Pass	4.35

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Verdict	Refer to Plot ^{†Note2}
		HCH	256QAM	216	0	38.58	41.18	Pass	4.36
n41	20 MHz	LCH	QPSK	106	0	18.33	20.13	Pass	5.1
		MCH	QPSK	106	0	18.3	20.17	Pass	5.2
		HCH	QPSK	106	0	18.29	20.23	Pass	5.3
	20 MHz	LCH	16QAM	106	0	18.3	20.23	Pass	5.4
		MCH	16QAM	106	0	18.39	20.2	Pass	5.5
		HCH	16QAM	106	0	18.4	20.28	Pass	5.6
	20 MHz	LCH	64QAM	106	0	18.47	20.59	Pass	5.7
		MCH	64QAM	106	0	18.5	20.33	Pass	5.8
		HCH	64QAM	106	0	18.41	19.97	Pass	5.9
	20 MHz	LCH	256QAM	106	0	18.28	20.1	Pass	5.10
		MCH	256QAM	106	0	18.3	20.32	Pass	5.11
		HCH	256QAM	106	0	18.32	20.35	Pass	5.12
	60 MHz	LCH	QPSK	162	0	57.78	60.9	Pass	5.13
		MCH	QPSK	162	0	57.85	60.93	Pass	5.14
		HCH	QPSK	162	0	57.83	61.03	Pass	5.15
	60 MHz	LCH	16QAM	162	0	57.87	62.36	Pass	5.16
		MCH	16QAM	162	0	57.92	61.51	Pass	5.17
		HCH	16QAM	162	0	57.81	61.62	Pass	5.18
	60 MHz	LCH	64QAM	162	0	57.74	61.19	Pass	5.19
		MCH	64QAM	162	0	57.83	61.27	Pass	5.20
		HCH	64QAM	162	0	57.77	61.28	Pass	5.21
	60 MHz	LCH	256QAM	162	0	57.99	61.01	Pass	5.22
		MCH	256QAM	162	0	58.02	61.07	Pass	5.23
		HCH	256QAM	162	0	57.98	61.07	Pass	5.24
	100 MHz	LCH	QPSK	273	0	97.13	101.2	Pass	5.25
		MCH	QPSK	273	0	97.35	101.2	Pass	5.26
		HCH	QPSK	273	0	97.22	101.16	Pass	5.27
	100 MHz	LCH	16QAM	273	0	97.13	100.96	Pass	5.28
		MCH	16QAM	273	0	97.25	101.13	Pass	5.29
		HCH	16QAM	273	0	97.45	101.24	Pass	5.30
	100 MHz	LCH	64QAM	273	0	97.21	101	Pass	5.31
		MCH	64QAM	273	0	97.37	100.98	Pass	5.32
		HCH	64QAM	273	0	97.3	101.15	Pass	5.33
	100 MHz	LCH	256QAM	273	0	97.31	100.65	Pass	5.34
		MCH	256QAM	273	0	97.51	100.93	Pass	5.35
		HCH	256QAM	273	0	97.46	101.17	Pass	5.36

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Verdict	Refer to Plot ^{†Note2}
n77(3450-3550)	20 MHz	LCH	QPSK	106	0	8.67	10.04	Pass	6.1
		MCH	QPSK	106	0	8.66	10.43	Pass	6.2
		HCH	QPSK	106	0	8.69	10.17	Pass	6.3
	20 MHz	LCH	16QAM	106	0	8.68	10.06	Pass	6.4
		MCH	16QAM	106	0	8.68	10.42	Pass	6.5
		HCH	16QAM	106	0	8.71	10.24	Pass	6.6
	20 MHz	LCH	64QAM	106	0	8.64	10.07	Pass	6.7
		MCH	64QAM	106	0	8.7	10.56	Pass	6.8
		HCH	64QAM	106	0	8.69	9.95	Pass	6.9
	20 MHz	LCH	256QAM	106	0	8.66	10.17	Pass	6.10
		MCH	256QAM	106	0	8.67	10.2	Pass	6.11
		HCH	256QAM	106	0	8.66	10.12	Pass	6.12
	60 MHz	LCH	QPSK	162	0	47.6	50.78	Pass	6.13
		MCH	QPSK	162	0	47.62	50.65	Pass	6.14
		HCH	QPSK	162	0	47.63	50.8	Pass	6.15
	60 MHz	LCH	16QAM	162	0	47.71	50.85	Pass	6.16
		MCH	16QAM	162	0	47.71	50.51	Pass	6.17
		HCH	16QAM	162	0	47.73	50.77	Pass	6.18
	60 MHz	LCH	64QAM	162	0	47.7	56.97	Pass	6.19
		MCH	64QAM	162	0	47.74	53.05	Pass	6.20
		HCH	64QAM	162	0	47.73	56.81	Pass	6.21
	60 MHz	LCH	256QAM	162	0	47.61	50.87	Pass	6.22
		MCH	256QAM	162	0	47.61	50.74	Pass	6.23
		HCH	256QAM	162	0	47.63	50.81	Pass	6.24
	100 MHz	MCH	QPSK	273	0	97.31	101.18	Pass	6.25
		MCH	16QAM	273	0	97.35	101.21	Pass	6.26
		MCH	64QAM	273	0	97.32	100.98	Pass	6.27
		MCH	256QAM	273	0	97.45	100.71	Pass	6.28
n77(3700-3980)	20 MHz	LCH	QPSK	106	0	8.68	10.14	Pass	7.1
		MCH	QPSK	106	0	8.66	10.26	Pass	7.2
		HCH	QPSK	106	0	8.69	12.53	Pass	7.3
	20 MHz	LCH	16QAM	106	0	8.69	10.13	Pass	7.4
		MCH	16QAM	106	0	8.69	10.33	Pass	7.5
		HCH	16QAM	106	0	8.8	10.76	Pass	7.6
	20 MHz	LCH	64QAM	106	0	8.65	9.97	Pass	7.7
		MCH	64QAM	106	0	8.83	13.65	Pass	7.8
		HCH	64QAM	106	0	18.56	23.17	Pass	7.9

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Verdict	Refer to Plot ^{†Note2}
	20 MHz	LCH	256QAM	106	0	8.65	10.04	Pass	7.10
		MCH	256QAM	106	0	8.67	10.2	Pass	7.11
		HCH	256QAM	106	0	8.67	10.15	Pass	7.12
	60 MHz	LCH	QPSK	162	0	47.56	50.61	Pass	7.13
		MCH	QPSK	162	0	47.57	50.64	Pass	7.14
		HCH	QPSK	162	0	47.67	53	Pass	7.15
	60 MHz	LCH	16QAM	162	0	47.66	50.65	Pass	7.16
		MCH	16QAM	162	0	47.65	50.54	Pass	7.17
		HCH	16QAM	162	0	47.77	53.89	Pass	7.18
	60 MHz	LCH	64QAM	162	0	47.63	50.34	Pass	7.19
		MCH	64QAM	162	0	47.64	50.53	Pass	7.20
		HCH	64QAM	162	0	47.78	55.02	Pass	7.21
	60 MHz	LCH	256QAM	162	0	47.61	50.79	Pass	7.22
		MCH	256QAM	162	0	47.59	50.71	Pass	7.23
		HCH	256QAM	162	0	47.6	50.84	Pass	7.24
	100 MHz	LCH	QPSK	273	0	97.22	101.17	Pass	7.25
		MCH	QPSK	273	0	97.3	101.08	Pass	7.26
		HCH	QPSK	273	0	97.21	101.12	Pass	7.27
	100 MHz	LCH	16QAM	273	0	97.29	101.09	Pass	7.28
		MCH	16QAM	273	0	97.35	101.1	Pass	7.29
		HCH	16QAM	273	0	97.3	101.12	Pass	7.30
	100 MHz	LCH	64QAM	273	0	97.26	100.9	Pass	7.31
		MCH	64QAM	273	0	97.3	100.79	Pass	7.32
		HCH	64QAM	273	0	97.26	100.83	Pass	7.33
	100 MHz	LCH	256QAM	273	0	97.42	100.72	Pass	7.34
		MCH	256QAM	273	0	97.51	100.81	Pass	7.35
		HCH	256QAM	273	0	97.47	100.94	Pass	7.36

A.4 Frequency Stability

Note 1 : The other band's results of the Frequency Stability please refer to the report in the following test reports (all issued by Shenzhen Accurate Technology Co., Ltd. with original FCC ID: XHG-CG890):

Report No. RA230104-00558E-RF-00E (issued Feb. 27, 2023)

Report No. RA230104-00558E-RF-00C (issued Mar. 22, 2023)

Report No. RA230104-00558E-RF-00F (issued Mar. 17, 2023)

Report No. RA230104-00558E-RF-00D (issued Mar. 16, 2023)

LTE Band 25 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1882.5 MHz		
		Value (Hz)	Limits (Hz)	
12	-30	-2.16	±4706.25	Pass
	-20	-1.76		
	-10	-2.65		
	0	-1.16		
	+10	-1.82		
	+20	-2.16		
	+25	-1.6		
	+30	-2.33		
	+40	-0.16		
	+50	-1.72		
	+55	-0.94		
13	+25	-1.39		
11	+25	-0.94		

LTE Band 25 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1882.5 MHz		
		Value (Hz)	Limits (Hz)	
12	-30	0.33	±4706.25	Pass
	-20	-0.13		
	-10	-0.66		
	0	-2.95		
	+10	-2.7		
	+20	-2.02		
	+25	-3.56		
	+30	-0.04		
	+40	-0.86		
	+50	0.31		

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1882.5 MHz		
		Value (Hz)	Limits (Hz)	
	+55	-1.42		
13	+25	-0.94		
11	+25	-2.32		

LTE Band 26 (Part22) QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
12	-30	1.8	±2091.25	Pass
	-20	0.87		
	-10	0.11		
	0	0.56		
	+10	2.12		
	+20	1.92		
	+25	-0.66		
	+30	-0.83		
	+40	0.31		
	+50	0.2		
+55	0.87			
13	+25	-0.11		
11	+25	0.21		

LTE Band 26 (Part 22) 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5MHz		
		Value (Hz)	Limits (Hz)	
12	-30	1.39	±2091.25	Pass
	-20	0.63		
	-10	0.09		
	0	-1.07		
	+10	0.14		
	+20	1.1		

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5MHz		
		Value (Hz)	Limits (Hz)	
	+25	0.86		
	+30	-0.29		
	+40	-0.17		
	+50	0.41		
	+55	0.53		
13	+25	-0.94		
11	+25	0.16		

LTE Band 26 (Part 90) QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 819 MHz		
		Value (Hz)	Limits (Hz)	
12	-30	0.99	±2091.25	Pass
	-20	-0.36		
	-10	0.23		
	0	0.97		
	+10	1.1		
	+20	0.23		
	+25	-1.23		
	+30	0.87		
	+40	0.27		
	+50	0.54		
+55	0.77			
13	+25	-0.62		
11	+25	0.03		

LTE Band 26 (Part90) 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 819 MHz		
		Value(Hz)	Limits (Hz)	
12	-30	0.53	±2047.5	Pass

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 819 MHz		
		Value(Hz)	Limits (Hz)	
	-20	0.34		
	-10	0.5		
	0	0.21		
	+10	0.11		
	+20	0.47		
	+25	-0.79		
	+30	0.77		
	+40	0.64		
	+50	0.89		
	+55	0.26		
13	+25	-0.11		
11	+25	-0.76		

NR Band n25 QPSK 20 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1882.5 MHz		
		Value(Hz)	Limits (Hz)	
12	-30	-7.38	±4706.25	Pass
	-20	-8.08		
	-10	-7.67		
	0	-4.78		
	+10	-6.51		
	+20	-4.72		
	+25	-5.6		
	+30	-5.21		
	+40	-4.77		
	+50	-6.07		
	+55	-5.28		
13	+25	-5.42		
11	+25	-5.5		

NR Band n41 QPSK 100 MHz

Test Conditions	Frequency Deviation	Verdict
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Power (VDC)	Temperature (°C)	MCH 2592.99 MHz		
		Value(Hz)	Limits (Hz)	
12	-30	-13.28	±6482.48	Pass
	-20	-13.47		
	-10	-8.17		
	0	-10.6		
	+10	-7.06		
	+20	-8.68		
	+25	-11.38		
	+30	-10.62		
	+40	-8.56		
	+55	-6.75		
13	+25	-5.13		
11	+25	-13.35		

NR Band n77 (3450-350) QPSK 100 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 3499.98 MHz		
		Value(Hz)	Limits (Hz)	
12	-30	-3.32	±8749.95	Pass
	-20	-4.55		
	-10	0.77		
	0	-1.66		
	+10	-6.5		
	+20	-5.42		
	+25	-0.46		
	+30	-5.47		
	+40	-6.96		
	+50	-3.73		
	+55	-10.91		
13	+25	-11.42		
11	+25	2.27		

NR Band n77 (3700-3980 MHz) QPSK 100 MHz

Test Conditions	Frequency Deviation	Verdict
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Power (VDC)	Temperature (°C)	MCH 3840 MHz		
		Value(Hz)	Limits (Hz)	
12	-30	-3.29	±9600	Pass
	-20	-0.68		
	-10	-6.42		
	0	-4.85		
	+10	-4.39		
	+20	-1.23		
	+25	-6.42		
	+30	4.16		
	+40	-5.24		
	+50	-3.09		
	+55	-4.74		
13	+25	-4.39	±9600	Pass
11	+25	-7.71		

A.5 Spurious Emission at Antenna Terminals

Note 1: The frequencies of verdict which are marked by "N/A" should be ignored because they are UE carrier frequency.

Note 2: Test plots please refer to the document "Annex No.:BL-SZ2550493-501 Data Part 3.pdf".

Note 3 : The other band's results of the Spurious Emission at Antenna Terminals please refer to the report in the following test reports (all issued by Shenzhen Accurate Technology Co., Ltd. with original FCC ID: XHG-CG890):

Report No. RA230104-00558E-RF-00E (issued Feb. 27, 2023)

Report No. RA230104-00558E-RF-00C (issued Mar. 22, 2023)

Report No. RA230104-00558E-RF-00F (issued Mar. 17, 2023)

Report No. RA230104-00558E-RF-00D (issued Mar. 16, 2023)

LTE Mode Test Verdict

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note2}	Verdict
Band 25	1.4 MHz	LCH	QPSK	RB1#Low	1.1	Pass
			16-QAM	RB1#Low	1.2	Pass
		MCH	QPSK	RB1#Low	1.3	Pass
			16-QAM	RB1#Low	1.4	Pass
		HCH	QPSK	RB1#Low	1.5	Pass
			16-QAM	RB1#Low	1.6	Pass
	3 MHz	LCH	QPSK	RB1#Low	1.7	Pass
			16-QAM	RB1#Low	1.8	Pass
		MCH	QPSK	RB1#Low	1.9	Pass
			16-QAM	RB1#Low	1.10	Pass
		HCH	QPSK	RB1#Low	1.11	Pass
			16-QAM	RB1#Low	1.12	Pass
	5 MHz	LCH	QPSK	RB1#Low	1.13	Pass
			16-QAM	RB1#Low	1.14	Pass
		MCH	QPSK	RB1#Low	1.15	Pass
			16-QAM	RB1#Low	1.16	Pass
		HCH	QPSK	RB1#Low	1.17	Pass
			16-QAM	RB1#Low	1.18	Pass
	10 MHz	LCH	QPSK	RB1#Low	1.19	Pass
			16-QAM	RB1#Low	1.20	Pass
		MCH	QPSK	RB1#Low	1.21	Pass
			16-QAM	RB1#Low	1.22	Pass
		HCH	QPSK	RB1#Low	1.23	Pass
			16-QAM	RB1#Low	1.24	Pass
	15 MHz	LCH	QPSK	RB1#Low	1.25	Pass
			16-QAM	RB1#Low	1.26	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note2}	Verdict
		MCH	QPSK	RB1#Low	1.27	Pass
			16-QAM	RB1#Low	1.28	Pass
		HCH	QPSK	RB1#Low	1.29	Pass
			16-QAM	RB1#Low	1.30	Pass
	20 MHz	LCH	QPSK	RB1#Low	1.31	Pass
			16-QAM	RB1#Low	1.32	Pass
		MCH	QPSK	RB1#Low	1.33	Pass
			16-QAM	RB1#Low	1.34	Pass
		HCH	QPSK	RB1#Low	1.35	Pass
			16-QAM	RB1#Low	1.36	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note2}	Verdict
Band 26 (824-849 MHz)	1.4 MHz	LCH	QPSK	RB1#Low	2.1	Pass
			16-QAM	RB1#Low	2.2	Pass
		MCH	QPSK	RB1#Low	2.3	Pass
			16-QAM	RB1#Low	2.4	Pass
		HCH	QPSK	RB1#Low	2.5	Pass
			16-QAM	RB1#Low	2.6	Pass
	3 MHz	LCH	QPSK	RB1#Low	2.7	Pass
			16-QAM	RB1#Low	2.8	Pass
		MCH	QPSK	RB1#Low	2.9	Pass
			16-QAM	RB1#Low	2.10	Pass
		HCH	QPSK	RB1#Low	2.11	Pass
			16-QAM	RB1#Low	2.12	Pass
	5 MHz	LCH	QPSK	RB1#Low	2.13	Pass
			16-QAM	RB1#Low	2.14	Pass
		MCH	QPSK	RB1#Low	2.15	Pass
			16-QAM	RB1#Low	2.16	Pass
		HCH	QPSK	RB1#Low	2.17	Pass
			16-QAM	RB1#Low	2.18	Pass
	10 MHz	LCH	QPSK	RB1#Low	2.19	Pass
			16-QAM	RB1#Low	2.20	Pass
		MCH	QPSK	RB1#Low	2.21	Pass
			16-QAM	RB1#Low	2.22	Pass
		HCH	QPSK	RB1#Low	2.23	Pass
			16-QAM	RB1#Low	2.24	Pass
	15 MHz	LCH	QPSK	RB1#Low	2.25	Pass
			16-QAM	RB1#Low	2.26	Pass
		MCH	QPSK	RB1#Low	2.27	Pass
			16-QAM	RB1#Low	2.28	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note2}	Verdict
		HCH	QPSK	RB1#Low	2.29	Pass
			16-QAM	RB1#Low	2.30	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note2}	Verdict
Band 26 (814-824M Hz)	1.4 MHz	LCH	QPSK	RB1#Low	3.1	Pass
			16-QAM	RB1#Low	3.2	Pass
		MCH	QPSK	RB1#Low	3.3	Pass
			16-QAM	RB1#Low	3.4	Pass
		HCH	QPSK	RB1#Low	3.5	Pass
			16-QAM	RB1#Low	3.6	Pass
	3 MHz	LCH	QPSK	RB1#Low	3.7	Pass
			16-QAM	RB1#Low	3.8	Pass
		MCH	QPSK	RB1#Low	3.9	Pass
			16-QAM	RB1#Low	3.10	Pass
		HCH	QPSK	RB1#Low	3.11	Pass
			16-QAM	RB1#Low	3.12	Pass
	5 MHz	LCH	QPSK	RB1#Low	3.13	Pass
			16-QAM	RB1#Low	3.14	Pass
		MCH	QPSK	RB1#Low	3.15	Pass
			16-QAM	RB1#Low	3.16	Pass
		HCH	QPSK	RB1#Low	3.17	Pass
			16-QAM	RB1#Low	3.18	Pass
	10 MHz	MCH	QPSK	RB1#Low	3.19	Pass
			16-QAM	RB1#Low	3.20	Pass

NR Mode Test Verdict

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n25	5	LCH	QPSK	25	0	4.1	Pass
			QPSK	1	0	4.2	Pass
			QPSK	1	24	4.3	Pass
		MCH	QPSK	25	0	4.4	Pass
			QPSK	1	0	4.5	Pass
			QPSK	1	24	4.6	Pass
		HCH	QPSK	25	0	4.7	Pass
			QPSK	1	0	4.8	Pass
			QPSK	1	24	4.9	Pass
	25	LCH	QPSK	79	0	4.10	Pass
			QPSK	1	0	4.11	Pass
			QPSK	1	78	4.12	Pass
		MCH	QPSK	79	0	4.13	Pass
			QPSK	1	0	4.14	Pass
			QPSK	1	78	4.15	Pass
		HCH	QPSK	79	0	4.16	Pass
			QPSK	1	0	4.17	Pass
			QPSK	1	78	4.18	Pass
	40	LCH	QPSK	106	0	4.19	Pass
			QPSK	1	0	4.20	Pass
			QPSK	1	105	4.21	Pass
		MCH	QPSK	106	0	4.22	Pass
			QPSK	1	0	4.23	Pass
			QPSK	1	105	4.24	Pass
		HCH	QPSK	106	0	4.25	Pass
			QPSK	1	0	4.26	Pass
			QPSK	1	105	4.27	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n41	20	LCH	QPSK	51	0	5.1	Pass
			QPSK	1	0	5.2	Pass
			QPSK	1	50	5.3	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
		MCH	QPSK	51	0	5.4	Pass
			QPSK	1	0	5.5	Pass
			QPSK	1	50	5.6	Pass
		HCH	QPSK	51	0	5.7	Pass
			QPSK	1	0	5.8	Pass
			QPSK	1	50	5.9	Pass
	60	LCH	QPSK	133	0	5.10	Pass
			QPSK	1	0	5.11	Pass
			QPSK	1	132	5.12	Pass
		MCH	QPSK	133	0	5.13	Pass
			QPSK	1	0	5.14	Pass
			QPSK	1	132	5.15	Pass
		HCH	QPSK	133	0	5.16	Pass
			QPSK	1	0	5.17	Pass
			QPSK	1	132	5.18	Pass
	100	LCH	QPSK	273	0	5.19	Pass
			QPSK	1	0	5.20	Pass
			QPSK	1	272	5.21	Pass
		MCH	QPSK	273	0	5.22	Pass
			QPSK	1	0	5.23	Pass
			QPSK	1	272	5.24	Pass
		HCH	QPSK	273	0	5.25	Pass
			QPSK	1	0	5.26	Pass
			QPSK	1	272	5.27	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n77(3450-3550MHz)	20	LCH	QPSK	51	0	6.1	Pass
			QPSK	1	0	6.2	Pass
			QPSK	1	50	6.3	Pass
		MCH	QPSK	51	0	6.4	Pass
			QPSK	1	0	6.5	Pass
			QPSK	1	50	6.6	Pass
		HCH	QPSK	51	0	6.7	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{†Note3}	Verdict
			QPSK	1	0	6.8	Pass
			QPSK	1	50	6.9	Pass
	60	LCH	QPSK	162	0	6.10	Pass
			QPSK	1	0	6.11	Pass
			QPSK	1	161	6.12	Pass
		MCH	QPSK	162	0	6.13	Pass
			QPSK	1	0	6.14	Pass
			QPSK	1	161	6.15	Pass
		HCH	QPSK	162	0	6.16	Pass
			QPSK	1	0	6.17	Pass
			QPSK	1	161	6.18	Pass
	100	MCH	QPSK	273	0	6.19	Pass
			QPSK	1	0	6.20	Pass
			QPSK	1	272	6.21	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{†Note3}	Verdict
n77(3700-3980MHz)	20	LCH	QPSK	51	0	7.1	Pass
			QPSK	1	0	7.2	Pass
			QPSK	1	50	7.3	Pass
		MCH	QPSK	51	0	7.4	Pass
			QPSK	1	0	7.5	Pass
			QPSK	1	50	7.6	Pass
		HCH	QPSK	51	0	7.7	Pass
			QPSK	1	0	7.8	Pass
			QPSK	1	50	7.9	Pass
	60	LCH	QPSK	162	0	7.10	Pass
			QPSK	1	0	7.11	Pass
			QPSK	1	161	7.12	Pass
		MCH	QPSK	162	0	7.13	Pass
			QPSK	1	0	7.14	Pass
			QPSK	1	161	7.15	Pass
		HCH	QPSK	162	0	7.16	Pass
			QPSK	1	0	7.17	Pass
			QPSK	1	161	7.18	Pass
	100	LCH	QPSK	273	0	7.19	Pass
			QPSK	1	0	7.20	Pass
			QPSK	1	272	7.21	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
		MCH	QPSK	273	0	7.22	Pass
			QPSK	1	0	7.23	Pass
			QPSK	1	272	7.24	Pass
		HCH	QPSK	273	0	7.25	Pass
			QPSK	1	0	7.26	Pass
			QPSK	1	272	7.27	Pass

A.6 Band Edge

Note 1: Test plots please refer to the document “Annex No.:BL-SZ2550493-501 Data Part 4.pdf”.

Note 2 : The other band's results of the Band Edge please refer to the report in the following test reports (all issued by Shenzhen Accurate Technology Co., Ltd. with original FCC ID: XHG-CG890):

Report No. RA230104-00558E-RF-00E (issued Feb. 27, 2023)

Report No. RA230104-00558E-RF-00C (issued Mar. 22, 2023)

Report No. RA230104-00558E-RF-00F (issued Mar. 17, 2023)

Report No. RA230104-00558E-RF-00D (issued Mar. 16, 2023)

LTE Mode Test Verdict

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 25	1.4 MHz	LCH	QPSK	RB1#Low	1.1	Pass
				RB6#Low	1.2	Pass
		HCH	16-QAM	RB1#Low	1.3	Pass
				RB6#Low	1.4	Pass
			QPSK	RB1#High	1.5	Pass
				RB6#High	1.6	Pass
	3 MHz	LCH	16-QAM	RB1#High	1.7	Pass
				RB6#High	1.8	Pass
			QPSK	RB1#Low	1.9	Pass
				RB15#Low	1.10	Pass
		HCH	16-QAM	RB1#Low	1.11	Pass
				RB15#Low	1.12	Pass
			QPSK	RB1#High	1.13	Pass
				RB15#High	1.14	Pass
	5 MHz	LCH	16-QAM	RB1#High	1.15	Pass
				RB15#High	1.16	Pass
			QPSK	RB1#Low	1.17	Pass
				RB25#Low	1.18	Pass
				RB1#Low	1.19	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
		HCH	QPSK	RB25#Low	1.20	Pass
				RB1#High	1.21	Pass
			16-QAM	RB25#High	1.22	Pass
				RB1#High	1.23	Pass
				RB25#High	1.24	Pass
	10 MHz	LCH	QPSK	RB1#Low	1.25	Pass
				RB50#Low	1.26	Pass
			16-QAM	RB1#Low	1.27	Pass
				RB50#Low	1.28	Pass
		HCH	QPSK	RB1#High	1.29	Pass
				RB50#High	1.30	Pass
			16-QAM	RB1#High	1.31	Pass
				RB50#High	1.32	Pass
	15 MHz	LCH	QPSK	RB1#Low	1.33	Pass
				RB75#Low	1.34	Pass
			16-QAM	RB1#Low	1.35	Pass
				RB75#Low	1.36	Pass
		HCH	QPSK	RB1#High	1.37	Pass
				RB75#High	1.38	Pass
			16-QAM	RB1#High	1.39	Pass
				RB75#High	1.40	Pass
	20 MHz	LCH	QPSK	RB1#Low	1.41	Pass
				RB100#Low	1.42	Pass
			16-QAM	RB1#Low	1.43	Pass
				RB100#Low	1.44	Pass
		HCH	QPSK	RB1#High	1.45	Pass
				RB100#High	1.46	Pass
			16-QAM	RB1#High	1.47	Pass
				RB100#High	1.48	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
LTE Band 26(Part 22)	1.4 MHz	LCH	QPSK	RB1#LOW	2.1	Pass
				RB6#LOW	2.2	Pass
			16-QAM	RB1#LOW	2.3	Pass
				RB6#LOW	2.4	Pass
		HCH	QPSK	RB1#HIGH	2.5	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to PlotNote1	Verdict
			16-QAM	RB6#HIGH	2.6	Pass
				RB1#HIGH	2.7	Pass
				RB6#HIGH	2.8	Pass
	3 MHz	LCH	QPSK	RB1#LOW	2.9	Pass
				RB15#LOW	2.10	Pass
			16-QAM	RB1#LOW	2.11	Pass
				RB15#LOW	2.12	Pass
		HCH	QPSK	RB1#HIGH	2.13	Pass
				RB15#HIGH	2.14	Pass
			16-QAM	RB1#HIGH	2.15	Pass
				RB15#HIGH	2.16	Pass
	5 MHz	LCH	QPSK	RB1#LOW	2.17	Pass
				RB25#LOW	2.18	Pass
			16-QAM	RB1#LOW	2.19	Pass
				RB25#LOW	2.20	Pass
		HCH	QPSK	RB1#HIGH	2.21	Pass
				RB25#HIGH	2.22	Pass
			16-QAM	RB1#HIGH	2.23	Pass
				RB25#HIGH	2.24	Pass
	10 MHz	LCH	QPSK	RB1#LOW	2.25	Pass
				RB50#LOW	2.26	Pass
			16-QAM	RB1#LOW	2.27	Pass
				RB50#LOW	2.28	Pass
		HCH	QPSK	RB1#HIGH	2.29	Pass
				RB50#HIGH	2.30	Pass
			16-QAM	RB1#HIGH	2.31	Pass
				RB50#HIGH	2.32	Pass
	15 MHz	LCH	QPSK	RB1#LOW	2.33	Pass
				RB75#LOW	2.34	Pass
			16-QAM	RB1#LOW	2.35	Pass
				RB75#LOW	2.36	Pass
		HCH	QPSK	RB1#HIGH	2.37	Pass
				RB75#HIGH	2.38	Pass
			16-QAM	RB1#HIGH	2.39	Pass
				RB75#HIGH	2.40	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to PlotNote1	Verdict
LTE Band 26(Part	1.4 MHz	LCH	QPSK	RB1#LOW	3.1	Pass
				RB6#LOW	3.2	Pass
			16-QAM	RB1#LOW	3.3	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to PlotNote1	Verdict
90)		HCH	QPSK	RB6#LOW	3.4	Pass
				RB1#HIGH	3.5	Pass
			16-QAM	RB6#HIGH	3.6	Pass
				RB1#HIGH	3.7	Pass
	3 MHz	LCH	QPSK	RB6#HIGH	3.8	Pass
				RB1#LOW	3.9	Pass
			16-QAM	RB15#LOW	3.10	Pass
				RB1#LOW	3.11	Pass
		HCH	QPSK	RB15#LOW	3.12	Pass
				RB1#HIGH	3.13	Pass
			16-QAM	RB15#HIGH	3.14	Pass
				RB1#HIGH	3.15	Pass
	5 MHz	LCH	QPSK	RB15#HIGH	3.16	Pass
				RB1#LOW	3.17	Pass
			16-QAM	RB25#LOW	3.18	Pass
				RB1#LOW	3.19	Pass
		HCH	QPSK	RB25#LOW	3.20	Pass
				RB1#HIGH	3.21	Pass
			16-QAM	RB25#HIGH	3.22	Pass
				RB1#HIGH	3.23	Pass
	10 MHz	LCH	QPSK	RB25#HIGH	3.24	Pass
				RB1#LOW	3.25	Pass
			16-QAM	RB50#LOW	3.26	Pass
				RB1#LOW	3.27	Pass
		HCH	QPSK	RB50#LOW	3.28	Pass
				RB1#HIGH	3.29	Pass
			16-QAM	RB50#HIGH	3.30	Pass
				RB1#HIGH	3.31	Pass
			16-QAM	RB50#HIGH	3.32	Pass
				RB50#HIGH	3.32	Pass

NR Mode Test Verdict

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to PlotNote1	Verdict
n25	5	LCH	QPSK	1	0	4.1	Pass
				25	0	4.2	Pass
		HCH	QPSK	1	24	4.3	Pass
				25	0	4.4	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to PlotNote1	Verdict
	25	LCH	QPSK	1	0	4.5	Pass
				133	0	4.6	Pass
		HCH	QPSK	1	132	4.7	Pass
				133	0	4.8	Pass
	40	LCH	QPSK	1	0	4.9	Pass
				216	0	4.10	Pass
		HCH	QPSK	1	215	4.11	Pass
				216	0	4.12	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to PlotNote1	Verdict
n41	20	LCH	QPSK	1	0	5.1	Pass
				51	0	5.2	Pass
		HCH	QPSK	1	50	5.3	Pass
				51	0	5.4	Pass
	60	LCH	QPSK	1	0	5.5	Pass
				162	0	5.6	Pass
		HCH	QPSK	1	161	5.7	Pass
				162	0	5.8	Pass
	100	LCH	QPSK	1	0	5.9	Pass
				273	0	5.10	Pass
		HCH	QPSK	1	272	5.11	Pass
				273	0	5.12	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to PlotNote1	Verdict
n77(3450-3550MHz)	20	LCH	QPSK	1	0	6.1	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to PlotNote1	Verdict
		HCH	QPSK	51	0	6.2	Pass
				1	50	6.3	Pass
				51	0	6.4	Pass
	60	LCH	QPSK	1	0	6.5	Pass
				162	0	6.6	Pass
		HCH	QPSK	1	161	6.7	Pass
				162	0	6.8	Pass
	100	LCH	QPSK	1	0	6.9	Pass
				273	0	6.10	Pass
		HCH	QPSK	1	272	6.11	Pass
				273	0	6.12	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to PlotNote1	Verdict
n77(3700-3980MHz)	20	LCH	QPSK	1	0	7.1	Pass
				51	0	7.2	Pass
		HCH	QPSK	1	50	7.3	Pass
				51	0	7.4	Pass
	60	LCH	QPSK	1	0	7.5	Pass
				162	0	7.6	Pass
		HCH	QPSK	1	161	7.7	Pass
				162	0	7.8	Pass
	100	LCH	QPSK	1	0	7.9	Pass
				273	0	7.10	Pass
		HCH	QPSK	1	272	7.11	Pass
				273	0	7.12	Pass

A.7 Field Strength of Spurious Radiation

Note 1: All modes have been tested, and only the worst case data are shown here.

Note 2: The frequencies of verdict which are marked by "N/A" should be ignored because they are UE carrier frequency.

Note 3: Test plots please refer to the document "Annex No.:BL-SZ2550493-501 Data Part 5.pdf".

Note 4 : The other band's results of the Field Strength of Spurious Radiation please refer to the report in the following test reports (all issued by Shenzhen Accurate Technology Co., Ltd. with original FCC ID: XHG-CG890):

Report No. RA230104-00558E-RF-00E (issued Feb. 27, 2023)

Report No. RA230104-00558E-RF-00C (issued Mar. 22, 2023)

Report No. RA230104-00558E-RF-00F (issued Mar. 17, 2023)

Report No. RA230104-00558E-RF-00D (issued Mar. 16, 2023)

LTE Mode Test Verdict

Test Band	Test Bandwidth	Test Channel	Refer to PlotNote3	Verdict
Band 25	5 MHz	LOW	1.1	Pass
Band 26 (Part22)	5 MHz	MID	1.2	Pass
Band 26 (Part90)	5 MHz	MID	1.3	Pass

NR Mode Test Verdict

Test Band	NR Test Bandwidth (MHz)	SCS(kHz)	UL OFDM	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n25	40 MHz	15 kHz	DFT-s-OFDM	1	214	1.4	Pass
n41	100 MHz	30 kHz	DFT-s-OFDM	1	1	1.5	Pass
n77(3450-3550MHz)	100 MHz	30 kHz	DFT-s-OFDM	1	1	1.6	Pass
n77(3700-3980MHz)	50 MHz	30 kHz	DFT-s-OFDM	64	32	1.7	Pass

ANNEX B TEST SETUP PHOTOS

Please refer to the document “BL-SH2550493-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer to the document “BL-SZ2550493-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer to the document “BL-SZ2550493-AI.PDF”.

Statement

1. The Testing Center guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
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--END OF REPORT--