



RADIO TEST REPORT

For

Shenzhen Huafurui Technology Co., Ltd.

Smartphone

Test Model: KINGKONG AX

Prepared for : Shenzhen Huafurui Technology Co., Ltd.
Address : Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample : December 19, 2023
Number of tested samples : 2
Serial number : Prototype
Date of Test : December 19, 2023 ~ January 24, 2024
Date of Report : January 25, 2024





RADIO TEST REPORT	
ETSI EN 301 908-1 V15.2.1 (2023-01) & ETSI EN 301 908-13 V13.2.1 (2022-02)	
Report Reference No.	LCSA12153128EJ
Date of Issue	January 25, 2024
Testing Laboratory Name	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
Testing Location/ Procedure ...	Full application of Harmonised standards <input checked="" type="checkbox"/> Partial application of Harmonised standards <input type="checkbox"/> Other standard testing method <input type="checkbox"/>
Applicant's Name	Shenzhen Huafurui Technology Co., Ltd.
Address	Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
Test Specification	
Standard	ETSI EN 301 908-1 V15.2.1 (2023-01) ETSI EN 301 908-13 V13.2.1 (2022-02)
Test Report Form No.	LCSEMC-1.0
TRF Originator	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF	Dated 2017-06
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Test Item Description	Smartphone
Trade Mark	CUBOT
Test Model	KINGKONG AX
Ratings	Please Refer to Page 6
Result	Positive

Compiled by:

Supervised by:

Approved by:

Kevin Huang/ Administrator

Cary Luo/ Technique principal

Gavin Liang/ Manager



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RADIO -- TEST REPORT

Test Report No. : LCSA12153128EJ	<u>January 25, 2024</u> Date of issue
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Test Model.....	: KINGKONG AX
EUT.....	: Smartphone
Applicant.....	: Shenzhen Huafurui Technology Co., Ltd.
Address.....	: Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
Telephone.....	: /
Fax.....	: /
Manufacturer.....	: Shenzhen Huafurui Technology Co., Ltd.
Address.....	: Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
Telephone.....	: /
Fax.....	: /
Factory.....	: Shenzhen Huafurui Technology Co., Ltd.
Address.....	: Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
Telephone.....	: /
Fax.....	: /

Test Result	Positive
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The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.





Revision History

Report Version	Issue Date	Revision Content	Revised By
000	January 25, 2024	Initial Issue	---



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1. GENERAL INFORMATION

1.1. Product Description for Equipment Under Test (EUT)

EUT	: Smartphone
Test Model	: KINGKONG AX
Power Supply	: Input: 5/9V=3.0A For AC Adapter Input: 100-240V~, 50/60Hz, 0.8A Adapter Output: 5.0V=3.0A 15.0W OR 9.0V=3.0A 27.0W DC 3.87V by Rechargeable Li-ion Battery, 5100mAh
Hardware Version	: M129-MUB-V2
Software Version	: CUBOT_KINGKONG AX_D073_V01
Bluetooth	:
Frequency Range	: 2402MHz~2480MHz
Channel Number	: 79 channels for Bluetooth V5.2 (BDR/EDR) 40 channels for Bluetooth V5.2 (BT LE/ BT 2LE)
Channel Spacing	: 1MHz for Bluetooth V5.2 (BDR/EDR) 2MHz for Bluetooth V5.2 (BT LE/ BT 2LE)
Modulation Type	: GFSK, $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V5.2 (BDR/EDR) GFSK for Bluetooth V5.2 (BT LE/ BT 2LE)
Bluetooth Version	: V5.2
Antenna Description	: FPC Antenna, -0.19dBi(Max.)
WIFI(2.4G Band)	:
Frequency Range	: 2412MHz~2472MHz
Channel Spacing	: 5MHz
Channel Number	: 13 Channel for 20MHz bandwidth(2412~2472MHz) 9 channels for 40MHz bandwidth(2422~2462MHz)
Modulation Type	: 802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: FPC Antenna, -0.19dBi(Max.)
WIFI(5.2G Band)	:
Frequency Range	: 5180MHz~5240MHz
Channel Number	: 4 channels for 20MHz bandwidth(5180~5240MHz) 2 channels for 40MHz bandwidth(5190~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	: 802.11a/n: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: FPC Antenna, -0.33dBi(Max.)
WIFI(5.8G Band)	:





Frequency Range : 5745MHz~5825MHz
Channel Number : 5 channels for 20MHz bandwidth(5745~5825MHz)
2 channels for 40MHz bandwidth(5755~5795MHz)
1 channels for 80MHz bandwidth(5775MHz)
Modulation Type : 802.11a/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description : FPC Antenna, -0.33dBi(Max.)

2G

Support Band : GSM 900 (EU-Band) DCS 1800 (EU-Band)
 GSM 850 (U.S.-Band) PCS 1900 (U.S.-Band)

Release Version : R99

GPRS Class : Class 12

EGPRS Class : Class 12

Uplink : GSM 900: 880MHz~915MHz
DCS 1800: 1710MHz~1785MHz

Downlink : GSM 900: 925MHz~960MHz
DCS 1800: 1805MHz~1880MHz

Type Of Modulation : GMSK for GSM/GPRS; GMSK/8PSK for EGPRS

Antenna Description : FPC Antenna
-0.69dBi (max.) For GSM 900
-0.33dBi (max.) For DCS 1800

Power Class : GSM 900: Level 5, DCS 1800: Level 0
EGPRS 900: Level 8, EGPRS 1800: Level 2

3G

Support Band : WCDMA Band I (EU-Band)
 WCDMA Band VIII (EU-Band)

Release Version : R8

Uplink : WCDMA Band I: 1920MHz~1980MHz
WCDMA Band VIII: 880MHz~915MHz

Downlink : WCDMA Band I: 2110MHz~2170MHz
WCDMA Band VIII: 925MHz~960MHz

Type Of Modulation : QPSK/16QAM

Antenna Description : FPC Antenna
-0.46dBi (max.) For WCDMA Band I
-0.69dBi (max.) For WCDMA Band VIII

Power Class : Level 3

LTE

Support Band : E-UTRA Band 1(EU-Band)
 E-UTRA Band 3(EU-Band)
 E-UTRA Band 7(EU-Band)



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- E-UTRA Band 8(EU-Band)
- E-UTRA Band 20(EU-Band)
- E-UTRA Band 28(EU-Band)
- E-UTRA Band 38(EU-Band)
- E-UTRA Band 40(EU-Band)

LTE Release Version : R12

FDD Band : Uplink: E-UTRA Band 1: 1920MHz~1980MHz
E-UTRA Band 3: 1710MHz~1785MHz
E-UTRA Band 7: 2500MHz~2570MHz
E-UTRA Band 8: 880MHz~915MHz
E-UTRA Band 20: 832MHz~862MHz
E-UTRA Band 28: 703MHz~748MHz
Downlink: E-UTRA Band 1: 2110MHz~2170MHz
E-UTRA Band 3: 1805MHz~1880MHz
E-UTRA Band 7: 2620MHz~2690MHz
E-UTRA Band 8: 925MHz~960MHz
E-UTRA Band 20: 791MHz~821MHz
E-UTRA Band 28: 758MHz~803MHz

TDD Band : E-UTRA Band 38: 2570MHz ~ 2620MHz
E-UTRA Band 40: 2300MHz ~ 2400MHz

Type Of Modulation : QPSK/16QAM

Antenna Description : FPC Antenna
-0.46dBi (max.) For E-UTRA Band 1
-0.33dBi (max.) For E-UTRA Band 3
-0.29dBi (max.) For E-UTRA Band 7
-0.69dBi (max.) For E-UTRA Band 8
-0.56dBi (max.) For E-UTRA Band 20
-0.72dBi (max.) For E-UTRA Band 28
-0.36dBi (max.) For E-UTRA Band 38
-0.43dBi (max.) For E-UTRA Band 40

Power Class : Class 3

GPS Receiver :

Receive Frequency : 1575.42MHz

Channel Number : 1

Antenna Description : FPC Antenna, -0.21dBi(Max.)

GLONASS Receiver :

Receive Frequency : 1602.5625MHz

Channel Number : 1

Antenna Description : FPC Antenna, -0.21dBi(Max.)

Galileo Receiver :





Receive Frequency : 1589.74MHz
Channel Number : 1
Antenna Description : FPC Antenna, -0.21dBi(Max.)
BDS Receiver :
Receive Frequency : 1561.098MHz
Channel Number : 1
Antenna Description : FPC Antenna, -0.21dBi(Max.)
FM :
Frequency Range : 87.5MHz~108MHz
Modulation Type : FM
Antenna Description : External Antenna(Earphone)
NFC :
Frequency Range : 13.56MHz
Modulation Type : ASK
Antenna Description : FPC Antenna, 0dBi(Max.)





1.2. Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
Shenzhen Huajin Electronics Co.,Ltd	Fast Charger	HJ-PD33W-EU	---	CE

1.3. External I/O

I/O Port Description	Quantity	Cable
Type-C USB Port	1	USB Cable: 1.2m, unshielded Headphone Cable: 1.2m, unshielded

1.4. Objective

Standard Referenced	Standard Title	Standard Version
ETSI EN 301 908-1	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Introduction and common requirements; Release 15	V15.2.1 (2023-01)
ETSI EN 301 908-13	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)	V13.2.1 (2022-02)
ETSI TS 136 521-1	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: Conformance testing (3GPP TS 36.521-1 version 16.9.0 Release 16)	V16.9.0 (2021-03)

The objective is to determine compliance with ETSI EN 301 908-1 V15.2.1 (2023-01) & ETSI EN 301 908-13 V13.2.1 (2022-02).

1.5. Test Conditions

Conditions	Temperature	Voltage
Normal	21-25°C	DC 3.87V
Low extreme Temperature/Low extreme Voltage (TL/VL);	-10°C	DC 3.48V
Low extreme Temperature/High extreme Voltage (TL/VH);	-10°C	DC 4.45V
High extreme Temperature/Low extreme Voltage (TH/VL);	45°C	DC 3.48V
High extreme Temperature/High extreme Voltage (TH/VH).	45°C	DC 4.45V

Note1: For all conditions, the humidity range is: 40-75%, the pressure range is 86-106kPa. The High Voltage DC 4.45V and Low Voltage DC 3.48V was declared by manufacturer





1.6. Description Of Test Mode

The following operating modes were applied for the related test items. For radiated measurement, the test was performed with EUT in X, Y, Z position and the worse case was found when EUT in Y position. All test modes were tested, only the result of the worst case was recorded in the report.

Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
	1.4	3	5	10	15	20	QPSK	16QAM	1	Part	Full	L	M	H
1	N/A	N/A	Y	/	/	Y	Y	Y	Y	Y	Y	Y	Y	Y
3	Y	/	Y	/	/	Y	Y	Y	Y	Y	Y	Y	Y	Y
7	N/A	N/A	Y	/	/	Y	Y	Y	Y	Y	Y	Y	Y	Y
8	Y	/	Y	Y	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y
20	N/A	N/A	Y	/	/	Y	Y	Y	Y	Y	Y	Y	Y	Y
28	N/A	Y	Y	/	/	Y	Y	Y	Y	Y	Y	Y	Y	Y
38	N/A	N/A	Y	/	/	Y	Y	Y	Y	Y	Y	Y	Y	Y
40	N/A	N/A	Y	/	/	Y	Y	Y	Y	Y	Y	Y	Y	Y

Note:

- 1)The mark "Y" means that this configuration is chosen for testing.
- 2)The mark "/" means that this bandwidth is supported but is not chosen for testing.
- 3)The mark "N/A" means that this bandwidth is not supported.

1.7. Measurement Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty
Radio Frequency	0.9 x 10 ⁻⁴
Total RF Power, Conducted	1.0 dB
RF Power Density, Conducted	1.8 dB
Spurious Emissions, Conducted	1.8 dB
All Emissions, Radiated	3.1 dB
Temperature	0.5°C
Humidity	1 %
DC And Low Frequency Voltages	1 %

1.8. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.



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2. SYSTEM TEST CONFIGURATION

2.1. Justification

N/A

2.2. EUT Exercise Software

N/A

2.3. Special Accessories

The special accessories were supplied by Shenzhen LCS Compliance Testing Laboratory Ltd.

2.4. Block Diagram/Schematics

Please refer to the related document.

2.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

2.6. Test Setup

Please refer to the test setup photo.





3. SUMMARY OF TEST RESULTS

Test Engineer	:	Paddi Chen
Temperature/ Humidity:	:	25.1°C/ 52.4%

Reference Clause No. (ETSI EN 301 908-13)	Description of Test Items	Result					
		E-UTRA Band					
		Band 1	Band 3	Band 7	Band 8	Band 20	Band 28
4.2.2	Transmitter Maximum Output Power						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
	TL/ML	Pass	Pass	Pass	Pass	Pass	Pass
	TL/VH	Pass	Pass	Pass	Pass	Pass	Pass
	TH/ML	Pass	Pass	Pass	Pass	Pass	Pass
4.2.5	Transmitter Minimum Output Power						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
	TL/ML	Pass	Pass	Pass	Pass	Pass	Pass
	TL/VH	Pass	Pass	Pass	Pass	Pass	Pass
	TH/ML	Pass	Pass	Pass	Pass	Pass	Pass
4.2.3	Transmitter Spectrum Emission Mask						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
4.2.11	Transmitter Adjacent Channel Leakage Power Ratio						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
	TL/ML	Pass	Pass	Pass	Pass	Pass	Pass
	TL/VH	Pass	Pass	Pass	Pass	Pass	Pass
	TH/ML	Pass	Pass	Pass	Pass	Pass	Pass
4.2.4	Transmitter Spurious Emissions						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
4.2.10	Receiver Spurious Emissions						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
4.2.6	Receiver Adjacent Channel Selectivity (ACS)						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
4.2.7	Receiver Blocking Characteristics						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
4.2.8	Receiver Spurious Response						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
4.2.9	Receiver Intermodulation Characteristics						



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	Normal	Pass	Pass	Pass	Pass	Pass	Pass
4.2.12	Receiver Reference Sensitivity Level						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
	TL/ML	Pass	Pass	Pass	Pass	Pass	Pass
	TL/VH	Pass	Pass	Pass	Pass	Pass	Pass
	TH/ML	Pass	Pass	Pass	Pass	Pass	Pass
	TH/VH	Pass	Pass	Pass	Pass	Pass	Pass

Reference Clause No. (ETSI EN 301 908-1)	Description of Test Items	Result					
		E-UTRA Band					
		Band 1	Band 3	Band 7	Band 8	Band 20	Band 28
4.2.2	Radiated emissions (UE)						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
4.2.4	Control and monitoring functions (UE)						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass

Reference Clause No. (ETSI EN 301 908-13)	Description of Test Items	Result	
		E-UTRA Band	
		Band 38	Band 40
4.2.2	Transmitter Maximum Output Power		
	Normal	Pass	Pass
	TL/ML	Pass	Pass
	TL/VH	Pass	Pass
	TH/ML	Pass	Pass
	TH/VH	Pass	Pass
4.2.5	Transmitter Minimum Output Power		
	Normal	Pass	Pass
	TL/ML	Pass	Pass
	TL/VH	Pass	Pass
	TH/ML	Pass	Pass
	TH/VH	Pass	Pass
4.2.3	Transmitter Spectrum Emission Mask		
	Normal	Pass	Pass
4.2.11	Transmitter Adjacent Channel Leakage Power Ratio		
	Normal	Pass	Pass
	TL/ML	Pass	Pass
	TL/VH	Pass	Pass
	TH/ML	Pass	Pass
	TH/VH	Pass	Pass
4.2.4	Transmitter Spurious Emissions		
	Normal	Pass	Pass





4.2.10	Receiver Spurious Emissions		
	Normal	Pass	Pass
4.2.6	Receiver Adjacent Channel Selectivity (ACS)		
	Normal	Pass	Pass
4.2.7	Receiver Blocking Characteristics		
	Normal	Pass	Pass
4.2.8	Receiver Spurious Response		
	Normal	Pass	Pass
4.2.9	Receiver Intermodulation Characteristics		
	Normal	Pass	Pass
4.2.12	Receiver Reference Sensitivity Level		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
4.2.2	Radiated emissions (UE)		
	Normal	Pass	Pass
4.2.4	Control and monitoring functions (UE)		
	Normal	Pass	Pass

Reference Clause No. (ETSI EN 301 908-1)	Description of Test Items	Result	
		E-UTRA Band	
		Band 38	Band 40
4.2.2	Radiated emissions (UE)		
	Normal	Pass	Pass
4.2.4	Control and monitoring functions (UE)		
	Normal	Pass	Pass

***Note:

Result: Describes test result of Test Case.

Pass: Test Case passed on specified conformance test platform.

Normal(TN/VN): Normal temperature – 25°C; Normal voltage. – DC 3.87V

TH: High extreme Temperature – +45°C

VH: High extreme Voltage – DC 4.45V

TL: Low extreme Temperature – -10°C

VL: Low extreme Voltage – DC 3.48V

N/A: Not applicable.

–: Not test.



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4. LIST OF MEASURING EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	LTE Test Software	Tonscend	JS1120-1	N/A	N/A	N/A
2	RF Control Unit	Tonscend	JS0806-1	158060009	2023-10-18	2024-10-17
3	MXA Signal Analyzer	Agilent	N9020A	MY51250905	2023-10-18	2024-10-17
4	DC Power Supply	Agilent	E3642A	N/A	2023-10-18	2024-10-17
5	MXG Vector Signal Generator	Agilent	N5182A	MY47071151	2023-06-09	2024-06-08
6	PSG Analog Signal Generator	Agilent	E8257D	MY4520521	2023-06-09	2024-06-08
7	Temperature & Humidity Chamber	GUANGZHOU GOGNWEN	GDS-100	70932	2023-10-05	2024-10-04
8	EMI Test Software	Farad	EZ	/	N/A	N/A
9	3m Full Anechoic Chamber	MRDIANZI	FAC-3M	MR009	2022-08-17	2025-08-16
10	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2021-08-29	2024-08-28
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2021-09-12	2024-09-11
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2021-09-05	2024-09-04
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2021-08-29	2024-08-28
15	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2021-08-29	2024-08-28
16	EMI Test Receiver	R&S	ESR 7	101181	2023-08-15	2024-08-14
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2023-07-17	2024-07-16
18	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2023-10-18	2024-10-17
19	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2023-10-18	2024-10-17
20	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	103818	2023-06-09	2024-06-08
21	RF Filter	Micro-Tronics	BRC50718	017	2023-10-18	2024-10-17
22	RF Filter	Micro-Tronics	BRC50719	011	2023-10-18	2024-10-17
23	RF Filter	Micro-Tronics	BRC50720	011	2023-10-18	2024-10-17
24	RF Filter	Micro-Tronics	BRC50721	013	2023-10-18	2024-10-17
25	RF Filter	Micro-Tronics	BRM50702	195	2023-08-15	2024-08-14
26	6dB Attenuator	/	100W/6dB	1172040	2023-06-09	2024-06-08
27	3dB Attenuator	/	2N-3dB	/	2023-10-18	2024-10-17



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5. PHOTOGRAPHS OF TEST SETUP

Please refer to separated files Appendix D for Photographs of Test Setup_RF.

6. PHOTOGRAPHS OF THE EUT

Please refer to separated files Appendix C for Photographs of The EUT.



**Annex A****Transmitter maximum output power**

The Conducted Power Measurement Result for LTE Band					
Test Result for LTE Band 1					
Channel Bandwidth	Channel	RB Allocation		Average Power (dBm, QPSK)	Limit (dBm)
		RB Size	RB Offset		
5MHz	Low Range	1	1RB#0	23.04	20.3~25.7
			8RB#0	22.99	20.3~25.7
	Mid Range	1	1RB#0	22.95	20.3~25.7
			8RB#0	22.96	20.3~25.7
	High Range	1	1RB#24	22.72	20.3~25.7
			8RB#17	22.65	20.3~25.7
20MHz	Low Range	1	1RB#0	22.90	20.3~25.7
			18RB#0	22.79	20.3~25.7
	Mid Range	1	1RB#0	22.91	20.3~25.7
			18RB#0	22.75	20.3~25.7
	High Range	1	1RB#99	22.66	20.3~25.7
			18RB#82	22.53	20.3~25.7

The Conducted Power Measurement Result for LTE Band					
Test Result for LTE Band 3					
Channel Bandwidth	Channel	RB Allocation		Average Power (dBm, QPSK)	Limit (dBm)
		RB Size	RB Offset		
1.4MHz	Low Range	1	1RB#0	22.79	20.3~25.7
	Mid Range	1	1RB#0	22.77	20.3~25.7
	High Range	1	1RB#0	22.88	20.3~25.7
5MHz	Low Range	1	1RB#0	22.95	20.3~25.7
			1RB#24	23.00	20.3~25.7
	Mid Range	1	1RB#0	22.97	20.3~25.7
			1RB#24	22.83	20.3~25.7
	High Range	1	1RB#0	22.97	20.3~25.7
			1RB#24	22.92	20.3~25.7
20MHz	Low Range	1	1RB#0	22.85	20.3~25.7
			1RB#99	23.09	20.3~25.7
	Mid Range	1	1RB#0	22.94	20.3~25.7
			1RB#99	22.80	20.3~25.7
	High Range	1	1RB#0	23.06	20.3~25.7
			1RB#99	22.87	20.3~25.7
			18RB#0	22.93	20.3~25.7



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The Conducted Power Measurement Result for LTE Band					
Test Result for LTE Band 7					
Channel Bandwidth	Channel	RB Allocation		Average Power (dBm, QPSK)	Limit (dBm)
		RB Size	RB Offset		
5MHz	Low Range	1	1RB#0	20.91	20.3~25.7
			1RB#24	20.86	20.3~25.7
	Mid Range	1	1RB#0	22.38	20.3~25.7
			1RB#24	22.42	20.3~25.7
	High Range	1	1RB#0	22.39	20.3~25.7
			1RB#24	22.43	20.3~25.7
20MHz	Low Range	1	1RB#0	21.95	20.3~25.7
			1RB#99	22.01	20.3~25.7
	Mid Range	1	1RB#0	22.08	20.3~25.7
			1RB#99	22.31	20.3~25.7
	High Range	1	1RB#0	22.26	20.3~25.7
			1RB#99	22.21	20.3~25.7
			18RB#0	22.25	20.3~25.7

The Conducted Power Measurement Result for LTE Band					
Test Result for LTE Band 8					
Channel Bandwidth	Channel	RB Allocation		Average Power (dBm, QPSK)	Limit (dBm)
		RB Size	RB Offset		
1.4MHz	Low Range	1	1RB#0	23.66	20.3~25.7
	Mid Range	1	1RB#0	23.53	20.3~25.7
	High Range	1	1RB#0	23.86	20.3~25.7
5RB#0			23.98	20.3~25.7	
5MHz	Low Range	1	1RB#0	23.73	20.3~25.7
			1RB#24	23.70	20.3~25.7
	Mid Range	1	1RB#0	23.77	20.3~25.7
			1RB#24	23.60	20.3~25.7
	High Range	1	1RB#0	23.89	20.3~25.7
			1RB#24	23.94	20.3~25.7
			8RB#0	23.87	20.3~25.7
10MHz	Low Range	1	1RB#0	23.70	20.3~25.7
			1RB#49	23.76	20.3~25.7
	Mid Range	1	1RB#0	23.94	20.3~25.7
			1RB#49	23.73	20.3~25.7
	High Range	1	1RB#0	23.86	20.3~25.7
			1RB#49	23.94	20.3~25.7
			12RB#0	23.74	20.3~25.7





The Conducted Power Measurement Result for LTE Band					
Test Result for LTE Band 20					
Channel Bandwidth	Channel	RB Allocation		Average Power (dBm, QPSK)	Limit (dBm)
		RB Size	RB Offset		
5MHz	Low Range	1	1RB#0	23.91	20.3~25.7
			1RB#24	23.87	20.3~25.7
	Mid Range	1	1RB#0	23.94	20.3~25.7
			1RB#24	24.00	20.3~25.7
	High Range	1	1RB#0	23.87	20.3~25.7
			1RB#24	23.88	20.3~25.7
20MHz	Low Range	1	1RB#0	23.85	20.3~25.7
			1RB#99	23.89	20.3~25.7
	Mid Range	1	1RB#0	23.69	20.3~25.7
			1RB#99	23.92	20.3~25.7
	High Range	1	1RB#0	23.89	20.3~25.7
			1RB#99	23.92	20.3~25.7
			18RB#0	23.67	20.3~25.7

The Conducted Power Measurement Result for LTE Band					
Test Result for LTE Band 28					
Channel Bandwidth	Channel	RB Allocation		Average Power (dBm, QPSK)	Limit (dBm)
		RB Size	RB Offset		
3MHz	Low Range	1	1RB#0	22.95	20.3~25.7
			4RB#0	23.07	20.3~25.7
	Mid Range	1	1RB#0	23.30	20.3~25.7
			4RB#0	23.36	20.3~25.7
	High Range	1	1RB#14	23.42	20.3~25.7
			4RB#11	23.52	20.3~25.7
5MHz	Low Range	1	1RB#0	23.62	20.3~25.7
			8RB#0	23.38	20.3~25.7
	Mid Range	1	1RB#0	23.73	20.3~25.7
			8RB#0	23.66	20.3~25.7
	High Range	1	1RB#24	23.71	20.3~25.7
			8RB#17	23.55	20.3~25.7
20MHz	Low Range	1	1RB#0	23.42	20.3~25.7
			18RB#0	23.28	20.3~25.7
	Mid Range	1	1RB#0	23.48	20.3~25.7
			18RB#0	23.43	20.3~25.7
	High Range	1	1RB#99	23.51	20.3~25.7
			18RB#82	23.52	20.3~25.7





The Conducted Power Measurement Result for LTE Band					
Test Result for LTE Band 38					
Channel Bandwidth	Channel	RB Allocation		Average Power (dBm, QPSK)	Limit (dBm)
		RB Size	RB Offset		
5MHz	Low Range	1	1RB#0	21.67	20.3~25.7
			8RB#0	21.69	
	Mid Range	1	1RB#0	21.16	20.3~25.7
			8RB#0	21.26	
	High Range	1	1RB#24	21.59	20.3~25.7
			8RB#17	21.65	
20MHz	Low Range	1	1RB#0	21.35	20.3~25.7
			18RB#0	21.20	
	Mid Range	1	1RB#0	20.74	20.3~25.7
			18RB#0	20.75	
	High Range	1	1RB#99	21.33	20.3~25.7
			18RB#82	21.29	

The Conducted Power Measurement Result for LTE Band					
Test Result for LTE Band 40					
Channel Bandwidth	Channel	RB Allocation		Average Power (dBm, QPSK)	Limit (dBm)
		RB Size	RB Offset		
5MHz	Low Range	1	1RB#0	20.89	20.3~25.7
			8RB#0	20.99	
	Mid Range	1	1RB#0	20.76	20.3~25.7
			8RB#0	20.85	
	High Range	1	1RB#24	21.34	20.3~25.7
			8RB#17	21.38	
20MHz	Low Range	1	1RB#0	20.98	20.3~25.7
			18RB#0	20.95	
	Mid Range	1	1RB#0	20.69	20.3~25.7
			18RB#0	20.67	
	High Range	1	1RB#99	21.42	20.3~25.7
			18RB#82	21.28	





Annex of Radiated spurious emission

Radiated spurious emissions - MS allocated a channel(Worst Case)

LTE Band 1(5MHz, RB allocation=25): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
50.98	Horizontal	-80.11	-36.00	Pass
979.82	H	-77.04	-36.00	
3900.54	H	-60.55	-30.00	
5851.96	H	-57.23	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
57.32	Vertical	-76.34	-36.00	Pass
785.46	V	-73.05	-36.00	
3902.40	V	-61.27	-30.00	
5850.40	V	-56.42	-30.00	

LTE Band 1(5MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
57.06	Horizontal	-78.35	-36.00	Pass
964.64	H	-79.64	-36.00	
3900.59	H	-63.23	-30.00	
5851.07	H	-54.57	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
50.86	Vertical	-70.20	-36.00	Pass
866.93	V	-74.18	-36.00	
3900.64	V	-68.44	-30.00	
5850.14	V	-54.30	-30.00	





LTE Band 1(20MHz, RB allocation=100): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.12	Horizontal	-71.26	-36.00	Pass
906.60	H	-70.03	-36.00	
3901.41	H	-69.54	-30.00	
5853.96	H	-55.75	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
60.62	Vertical	-78.47	-36.00	Pass
712.52	V	-71.08	-36.00	
3901.27	V	-65.05	-30.00	
5854.69	V	-52.11	-30.00	

LTE Band 1(20MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
60.03	Horizontal	-71.94	-36.00	Pass
806.20	H	-76.91	-36.00	
3900.27	H	-70.50	-30.00	
5850.03	H	-50.59	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.78	Vertical	-76.54	-36.00	Pass
861.04	V	-70.10	-36.00	
3902.23	V	-60.44	-30.00	
5851.60	V	-52.35	-30.00	





LTE Band 3(1.4MHz, RB allocation=6): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
53.26	Horizontal	-72.27	-36.00	Pass
915.96	H	-72.21	-36.00	
3504.02	H	-65.04	-30.00	
5253.30	H	-54.40	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
55.22	Vertical	-80.49	-36.00	Pass
725.20	V	-75.31	-36.00	
3504.51	V	-63.75	-30.00	
5251.37	V	-52.58	-30.00	

LTE Band 3(1.4MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.72	Horizontal	-72.58	-36.00	Pass
825.10	H	-72.32	-36.00	
3500.66	H	-61.84	-30.00	
5252.98	H	-54.01	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
53.18	Vertical	-72.72	-36.00	Pass
718.57	V	-75.77	-36.00	
3501.36	V	-62.30	-30.00	
5251.92	V	-56.19	-30.00	





LTE Band 3(5MHz, RB allocation=25): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
54.89	Horizontal	-80.09	-36.00	Pass
858.25	H	-80.67	-36.00	
3501.39	H	-66.83	-30.00	
5255.35	H	-55.83	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
57.55	Vertical	-78.20	-36.00	Pass
909.49	V	-77.66	-36.00	
3500.60	V	-64.68	-30.00	
5254.11	V	-56.84	-30.00	

LTE Band 3(5MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
58.45	Horizontal	-71.82	-36.00	Pass
940.14	H	-75.33	-36.00	
3500.02	H	-67.36	-30.00	
5250.26	H	-56.63	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
50.25	Vertical	-70.63	-36.00	Pass
863.33	V	-77.84	-36.00	
3502.18	V	-63.45	-30.00	
5251.14	V	-52.75	-30.00	





LTE Band 3(20MHz, RB allocation=100): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
60.11	Horizontal	-77.57	-36.00	Pass
978.25	H	-75.65	-36.00	
3504.66	H	-66.89	-30.00	
5250.01	H	-50.31	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.84	Vertical	-80.37	-36.00	Pass
804.30	V	-74.72	-36.00	
3501.68	V	-63.82	-30.00	
5253.25	V	-53.33	-30.00	

LTE Band 3(20MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
51.74	Horizontal	-76.41	-36.00	Pass
782.56	H	-80.28	-36.00	
3500.65	H	-67.41	-30.00	
5255.76	H	-54.17	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
55.21	Vertical	-75.31	-36.00	Pass
700.41	V	-71.72	-36.00	
3501.15	V	-64.79	-30.00	
5253.97	V	-50.70	-30.00	





LTE Band 7(5MHz, RB allocation=25): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.41	Horizontal	-72.15	-36.00	Pass
917.04	H	-78.34	-36.00	
5074.29	H	-63.99	-30.00	
7689.43	H	-52.67	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.56	Vertical	-71.37	-36.00	Pass
767.82	V	-76.95	-36.00	
5070.90	V	-64.12	-30.00	
7689.48	V	-58.20	-30.00	

LTE Band 7(5MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
50.29	Horizontal	-70.93	-36.00	Pass
956.85	H	-74.59	-36.00	
5074.00	H	-64.24	-30.00	
7685.46	H	-60.60	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
61.00	Vertical	-79.73	-36.00	Pass
895.99	V	-70.03	-36.00	
5074.62	V	-64.38	-30.00	
7686.42	V	-53.64	-30.00	





LTE Band 7(20MHz, RB allocation=100): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
50.24	Horizontal	-73.95	-36.00	Pass
752.13	H	-76.57	-36.00	
5075.92	H	-65.10	-30.00	
7689.31	H	-57.31	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.74	Vertical	-77.45	-36.00	Pass
893.82	V	-73.45	-36.00	
5074.35	V	-69.43	-30.00	
7688.81	V	-54.69	-30.00	

LTE Band 7(20MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
53.30	Horizontal	-70.84	-36.00	Pass
998.37	H	-77.42	-36.00	
5075.82	H	-63.05	-30.00	
7687.84	H	-60.91	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.30	Vertical	-76.08	-36.00	Pass
995.20	V	-76.73	-36.00	
5070.58	V	-68.06	-30.00	
7685.53	V	-55.22	-30.00	





LTE Band 8(1.4MHz, RB allocation=6): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
53.98	Horizontal	-71.47	-36.00	Pass
895.97	H	-78.57	-36.00	
1792.97	H	-61.05	-30.00	
2695.71	H	-50.63	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.34	Vertical	-79.60	-36.00	Pass
961.32	V	-72.42	-36.00	
1799.89	V	-67.56	-30.00	
2694.73	V	-60.62	-30.00	

LTE Band 8(1.4MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
54.18	Horizontal	-78.09	-36.00	Pass
897.22	H	-79.86	-36.00	
1794.72	H	-61.32	-30.00	
2690.68	H	-50.56	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.56	Vertical	-78.72	-36.00	Pass
916.72	V	-72.31	-36.00	
1793.55	V	-63.99	-30.00	
2690.50	V	-57.14	-30.00	





LTE Band 8(5MHz, RB allocation=25): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
60.85	Horizontal	-74.24	-36.00	Pass
882.08	H	-73.23	-36.00	
1794.56	H	-68.06	-30.00	
2692.77	H	-52.28	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.11	Vertical	-70.43	-36.00	Pass
735.09	V	-74.28	-36.00	
1792.88	V	-61.94	-30.00	
2695.16	V	-50.31	-30.00	

LTE Band 8(5MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.21	Horizontal	-78.68	-36.00	Pass
912.51	H	-75.91	-36.00	
1799.39	H	-63.45	-30.00	
2695.13	H	-51.03	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.17	Vertical	-70.17	-36.00	Pass
765.96	V	-76.73	-36.00	
1794.18	V	-68.92	-30.00	
2695.63	V	-50.04	-30.00	





LTE Band 8(10MHz, RB allocation=50): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
50.88	Horizontal	-78.61	-36.00	Pass
762.02	H	-71.04	-36.00	
1793.23	H	-64.07	-30.00	
2693.85	H	-59.75	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.75	Vertical	-75.65	-36.00	Pass
728.65	V	-80.08	-36.00	
1800.39	V	-67.54	-30.00	
2694.20	V	-59.64	-30.00	

LTE Band 8(10MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
54.58	Horizontal	-72.77	-36.00	Pass
814.10	H	-74.81	-36.00	
1798.94	H	-60.92	-30.00	
2691.83	H	-56.37	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.00	Vertical	-75.58	-36.00	Pass
739.39	V	-77.12	-36.00	
1791.07	V	-68.67	-30.00	
2693.15	V	-56.91	-30.00	





LTE Band 20(5MHz, RB allocation=25): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.61	Horizontal	-70.09	-36.00	Pass
772.22	H	-80.31	-36.00	
1700.68	H	-70.67	-30.00	
2542.77	H	-52.21	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
60.49	Vertical	-70.87	-36.00	Pass
737.34	V	-75.92	-36.00	
1693.14	V	-60.86	-30.00	
2544.60	V	-54.98	-30.00	

LTE Band 20(5MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
57.17	Horizontal	-73.41	-36.00	Pass
888.73	H	-77.27	-36.00	
1693.58	H	-68.04	-30.00	
2544.07	H	-50.02	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
57.25	Vertical	-77.94	-36.00	Pass
985.75	V	-76.13	-36.00	
1699.47	V	-69.46	-30.00	
2543.59	V	-54.56	-30.00	





LTE Band 20(20MHz, RB allocation=100): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.39	Horizontal	-79.55	-36.00	Pass
973.44	H	-73.36	-36.00	
1690.85	H	-63.95	-30.00	
2542.28	H	-60.38	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.48	Vertical	-72.15	-36.00	Pass
954.17	V	-72.59	-36.00	
1694.62	V	-69.53	-30.00	
2545.75	V	-55.61	-30.00	

LTE Band 20(20MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
58.05	Horizontal	-78.70	-36.00	Pass
733.88	H	-79.69	-36.00	
1694.95	H	-65.88	-30.00	
2543.70	H	-58.66	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
51.08	Vertical	-71.30	-36.00	Pass
904.44	V	-80.71	-36.00	
1699.76	V	-68.10	-30.00	
2540.59	V	-56.64	-30.00	





LTE Band 28(3MHz, RB allocation=15): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
53.75	Horizontal	-73.49	-36.00	Pass
739.51	H	-71.40	-36.00	
1453.62	H	-61.99	-30.00	
2173.56	H	-56.54	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.56	Vertical	-70.79	-36.00	Pass
977.26	V	-70.19	-36.00	
1451.84	V	-62.29	-30.00	
2172.86	V	-57.62	-30.00	

LTE Band 28(3MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.43	Horizontal	-80.79	-36.00	Pass
857.16	H	-75.75	-36.00	
1450.41	H	-60.31	-30.00	
2174.61	H	-52.03	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
55.15	Vertical	-75.64	-36.00	Pass
861.73	V	-70.34	-36.00	
1451.50	V	-68.26	-30.00	
2179.92	V	-56.86	-30.00	





LTE Band 28(5MHz, RB allocation=25): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.28	Horizontal	-78.33	-36.00	Pass
918.53	H	-74.66	-36.00	
1451.15	H	-60.05	-30.00	
2172.26	H	-53.60	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.09	Vertical	-77.53	-36.00	Pass
775.91	V	-80.89	-36.00	
1448.99	V	-62.37	-30.00	
2170.74	V	-56.45	-30.00	

LTE Band 28(5MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
51.11	Horizontal	-76.70	-36.00	Pass
707.00	H	-72.77	-36.00	
1454.11	H	-64.34	-30.00	
2171.24	H	-52.73	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
50.68	Vertical	-75.58	-36.00	Pass
935.04	V	-71.41	-36.00	
1453.04	V	-64.29	-30.00	
2174.90	V	-59.06	-30.00	





LTE Band 28(20MHz, RB allocation=100): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.52	Horizontal	-70.12	-36.00	Pass
847.20	H	-72.72	-36.00	
1451.34	H	-66.52	-30.00	
2178.77	H	-55.48	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
54.27	Vertical	-74.85	-36.00	Pass
899.98	V	-70.32	-36.00	
1446.57	V	-63.71	-30.00	
2177.26	V	-60.20	-30.00	

LTE Band 28(20MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
50.05	Horizontal	-77.08	-36.00	Pass
974.02	H	-72.50	-36.00	
1446.76	H	-61.11	-30.00	
2171.74	H	-60.76	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
55.41	Vertical	-70.54	-36.00	Pass
734.76	V	-72.29	-36.00	
1455.67	V	-68.26	-30.00	
2177.92	V	-53.71	-30.00	





LTE Band 38(5MHz, RB allocation=25): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
58.39	Horizontal	-80.35	-36.00	Pass
960.90	H	-74.46	-36.00	
5193.64	H	-70.86	-30.00	
7795.10	H	-58.15	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
57.02	Vertical	-77.13	-36.00	Pass
732.64	V	-76.06	-36.00	
5191.11	V	-67.54	-30.00	
7790.68	V	-60.70	-30.00	

LTE Band 38(5MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
54.80	Horizontal	-72.96	-36.00	Pass
957.49	H	-76.19	-36.00	
5195.05	H	-65.07	-30.00	
7794.17	H	-51.04	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
58.16	Vertical	-74.76	-36.00	Pass
994.69	V	-74.67	-36.00	
5191.22	V	-61.20	-30.00	
7793.52	V	-60.28	-30.00	





LTE Band 38(20MHz, RB allocation=100): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
60.76	Horizontal	-73.40	-36.00	Pass
717.11	H	-80.32	-36.00	
5190.45	H	-67.97	-30.00	
7791.55	H	-54.52	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.80	Vertical	-71.41	-36.00	Pass
843.41	V	-73.86	-36.00	
5190.39	V	-62.20	-30.00	
7794.42	V	-53.94	-30.00	

LTE Band 38(20MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.43	Horizontal	-70.98	-36.00	Pass
894.63	H	-79.56	-36.00	
5192.73	H	-66.23	-30.00	
7792.13	H	-53.58	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
50.28	Vertical	-77.42	-36.00	Pass
792.62	V	-75.36	-36.00	
5193.16	V	-62.23	-30.00	
7791.69	V	-51.00	-30.00	





LTE Band 40(5MHz, RB allocation=25): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
57.92	Horizontal	-70.66	-36.00	Pass
971.83	H	-79.03	-36.00	
4703.24	H	-68.60	-30.00	
7050.02	H	-53.14	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.88	Vertical	-70.45	-36.00	Pass
895.84	V	-70.50	-36.00	
4705.48	V	-67.92	-30.00	
7051.82	V	-53.57	-30.00	

LTE Band 40(5MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.46	Horizontal	-73.87	-36.00	Pass
901.50	H	-77.08	-36.00	
4707.72	H	-67.20	-30.00	
7058.26	H	-55.85	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
53.85	Vertical	-75.55	-36.00	Pass
983.91	V	-72.37	-36.00	
4705.28	V	-67.87	-30.00	
7057.26	V	-61.00	-30.00	





LTE Band 40(20MHz, RB allocation=100): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
55.64	Horizontal	-78.21	-36.00	Pass
843.46	H	-78.09	-36.00	
4704.54	H	-70.13	-30.00	
7050.04	H	-53.84	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.89	Vertical	-79.11	-36.00	Pass
715.90	V	-73.39	-36.00	
4701.90	V	-68.28	-30.00	
7055.37	V	-55.33	-30.00	

LTE Band 40(20MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
51.65	Horizontal	-70.87	-36.00	Pass
717.45	H	-71.86	-36.00	
4706.81	H	-65.68	-30.00	
7054.48	H	-57.25	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
60.76	Vertical	-70.40	-36.00	Pass
790.55	V	-71.14	-36.00	
4706.68	V	-63.36	-30.00	
7054.80	V	-51.00	-30.00	

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