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检测
TESTING
CNAS L4595

RADIO TEST REPORT

For

myFirst Tech Asia Pte. Ltd.

myFirst Fone M1

Test Model: KW1602

Prepared for : myFirst Tech Asia Pte. Ltd.
Address : 31 Woodlands Close, #01-22 Woodlands Horizon
Singapore 737855

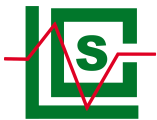
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Date of receipt of test sample : January 15, 2025
Number of tested samples : 2
Sample No. : A250114072-1, A250114072-2
Serial number : Prototype
Date of Test : January 15, 2025 ~ February 24, 2025
Date of Report : February 25, 2025



Shenzhen LCS Compliance Testing Laboratory Ltd.
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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.	LCSA12164390EG
Date of Issue	February 25, 2025
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	myFirst Tech Asia Pte. Ltd.
Address	31 Woodlands Close, #01-22Woodlands Horizon Singapore 737855
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.	TRF-4-E-142 A/0
TRF Originator	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF	Dated 2017-06
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Test Item Description : myFirst Fone M1	
Trade Mark	myFirst
Test Model	KW1602
Ratings	Input: DC 5V, 1000mA DC 3.85V by Rechargeable Li-ion Battery, 730mAh
Result	Positive

Compiled by:

Ling Zhu/ Administrator

Supervised by:

Jack Liu / Technique principal

Approved by:

Gavin Liang/ Manager



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RADIO -- TEST REPORT

Test Report No. : LCSA12164390EG	<u>February 25, 2025</u> Date of issue
---	---

Test Model..... : KW1602

EUT..... : myFirst Fone M1

Applicant..... : myFirst Tech Asia Pte. Ltd.

Address..... : 31 Woodlands Close, #01-22Woodlands Horizon
Singapore 737855

Telephone..... : /

Fax..... : /

Manufacturer..... : myFirst Tech Asia Pte. Ltd.

Address..... : 31 Woodlands Close, #01-22Woodlands Horizon
Singapore 737855

Telephone..... : /

Fax..... : /

Factory..... : myFirst Tech Asia Pte. Ltd.

Address..... : 31 Woodlands Close, #01-22Woodlands Horizon
Singapore 737855

Telephone..... : /

Fax..... : /

Test Result	Positive
--------------------	-----------------

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	February 25, 2025	Initial Issue	---



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1. GENERAL INFORMATION

1.1. Product Description for Equipment Under Test (EUT)

EUT	: myFirst Fone M1
Test Model	: KW1602
Ratings	: Input: DC 5V, 1000mA DC 3.85V by Rechargeable Li-ion Battery, 730mAh
Hardware Version	: /
Software Version	: /
Bluetooth	:
Frequency Range	: 2402MHz~2480MHz
Channel Number	: 79 channels for Bluetooth V2.0 (BDR/EDR)
Channel Spacing	: 1MHz for Bluetooth V2.0 (BDR/EDR)
Modulation Type	: GFSK, $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V2.0 (BDR/EDR)
Bluetooth Version	: V2.0
Antenna Description	: Internal Antenna, 0.33dBi(Max.)
WIFI(2.4G Band)	:
Frequency Range	: 2412MHz~2472MHz
Channel Spacing	: 5MHz
Channel Number	: 13 Channel for 20MHz bandwidth(2412~2472MHz)
Modulation Type	: 802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: Internal Antenna, 0.33dBi(Max.)
2G	:
Support Band	: <input checked="" type="checkbox"/> GSM 900 (EU-Band) <input checked="" type="checkbox"/> DCS 1800 (EU-Band) <input checked="" type="checkbox"/> GSM 850 (U.S.-Band) <input checked="" type="checkbox"/> PCS 1900 (U.S.-Band)
Release Version	: R99
GPRS 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
Antenna Description	: Internal Antenna -3.28dBi (max.) For GSM 900 0.37dBi (max.) For DCS 1800
Power Class	: GSM 900: Level 5, DCS 1800: Level 0
3G	:





Support Band : ☒ WCDMA Band I (EU-Band)
☒ WCDMA Band VIII (EU-Band)
Release Version : Release9
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 : Internal Antenna
0.35dBi (max.) For WCDMA Band I
-3.28dBi (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)
☒ 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 : Release12
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 : Internal Antenna
0.35dBi (max.) For E-UTRA Band 1
0.37dBi (max.) For E-UTRA Band 3
0.33dBi (max.) For E-UTRA Band 7
-3.28dBi (max.) For E-UTRA Band 8
-4.31dBi (max.) For E-UTRA Band 20





-5.33dBi (max.) For E-UTRA Band 28
0.34dBi (max.) For E-UTRA Band 38
0.36dBi (max.) For E-UTRA Band 40

Power Class : Class 3

GPS Receiver :

Receive Frequency : 1575.42MHz

Channel Number : 1

Antenna Description : Internal Antenna, 0.43dBi(Max.)





1.2. Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	---	CE

Note: The adapter is supplied by lab and only use tested.

1.3. External I/O

I/O Port Description	Quantity	Cable
Power Port	1	USB Cable: 0.8m, 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 3.85V
Low extreme Temperature/Low extreme Voltage (TL/VL);	-20°C	DC 3.47V
Low extreme Temperature/High extreme Voltage (TL/VH);	-20°C	DC 4.4V
High extreme Temperature/Low extreme Voltage (TH/VL);	45°C	DC 3.47V
High extreme Temperature/High extreme Voltage (TH/VH).	45°C	DC 4.4V

Note1: For all conditions, the humidity range is: 40-75%, the pressure range is 86-106kPa. The High Voltage DC 4.4V and Low Voltage DC 3.47V 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	0.9×10^{-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:	:	23.3°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/VL	Pass	Pass	Pass	Pass	Pass	Pass
	TL/VH	Pass	Pass	Pass	Pass	Pass	Pass
	TH/VL	Pass	Pass	Pass	Pass	Pass	Pass
	TH/VH	Pass	Pass	Pass	Pass	Pass	Pass
4.2.5	Transmitter Minimum Output Power						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
	TL/VL	Pass	Pass	Pass	Pass	Pass	Pass
	TL/VH	Pass	Pass	Pass	Pass	Pass	Pass
	TH/VL	Pass	Pass	Pass	Pass	Pass	Pass
	TH/VH	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/VL	Pass	Pass	Pass	Pass	Pass	Pass
	TL/VH	Pass	Pass	Pass	Pass	Pass	Pass
	TH/VL	Pass	Pass	Pass	Pass	Pass	Pass
	TH/VH	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						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
4.2.12	Receiver Reference Sensitivity Level						
	Normal	Pass	Pass	Pass	Pass	Pass	Pass
	TL/VL	Pass	Pass	Pass	Pass	Pass	Pass
	TL/VH	Pass	Pass	Pass	Pass	Pass	Pass
	TH/VL	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/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
4.2.5	Transmitter Minimum Output Power		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	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/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	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 3.85V

TH: High extreme Temperature – +45°C

VH: High extreme Voltage – DC 4.4V

TL: Low extreme Temperature – -20°C

VL: Low extreme Voltage – DC 3.47V

N/A: Not applicable.

—: Not test.





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	2024-11-08	2025-11-07
3	MXA Signal Analyzer	Agilent	N9020A	MY51250905	2024-10-08	2025-10-07
4	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
5	MXG Vector Signal Generator	Agilent	N5182A	MY47071151	2024-06-06	2025-06-05
6	PSG Analog Signal Generator	Agilent	E8257D	MY4520521	2024-06-06	2025-06-05
7	Temperature & Humidity Chamber	Baro	/	/	2024-06-12	2025-06-11
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	2024-07-13	2027-07-12
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12
15	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29
16	EMI Test Receiver	R&S	ESR 7	101181	2024-06-06	2025-06-05
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05
18	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
19	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07
20	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	103818	2024-06-06	2025-06-05
21	RF Filter	Micro-Tronics	BRC50718	017	2024-10-08	2025-10-07
22	RF Filter	Micro-Tronics	BRC50719	011	2024-10-08	2025-10-07
23	RF Filter	Micro-Tronics	BRC50720	011	2024-10-08	2025-10-07
24	RF Filter	Micro-Tronics	BRC50721	013	2024-10-08	2025-10-07
25	RF Filter	Micro-Tronics	BRM50702	195	2024-06-06	2025-06-05
26	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05
27	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07





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	23.94	20.3~25.7
			8RB#0	23.68	20.3~25.7
	Mid Range	1	1RB#0	23.60	20.3~25.7
			8RB#0	23.61	20.3~25.7
	High Range	1	1RB#24	24.10	20.3~25.7
			8RB#17	24.26	20.3~25.7
20MHz	Low Range	1	1RB#0	23.80	20.3~25.7
			18RB#0	23.69	20.3~25.7
	Mid Range	1	1RB#0	24.32	20.3~25.7
			18RB#0	24.14	20.3~25.7
	High Range	1	1RB#99	24.66	20.3~25.7
			18RB#82	24.57	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	24.23	20.3~25.7
	Mid Range	1	1RB#0	24.28	20.3~25.7
	High Range	1	1RB#0	24.24	20.3~25.7
			5RB#0	24.18	20.3~25.7
5MHz	Low Range	1	1RB#0	24.37	20.3~25.7
			1RB#24	23.28	20.3~25.7
	Mid Range	1	1RB#0	23.99	20.3~25.7
			1RB#24	23.55	20.3~25.7
	High Range	1	1RB#0	24.66	20.3~25.7
			1RB#24	24.15	20.3~25.7
20MHz	Low Range	1	1RB#0	24.01	20.3~25.7
			1RB#99	22.05	20.3~25.7
	Mid Range	1	1RB#0	23.62	20.3~25.7
			1RB#99	23.41	20.3~25.7
	High Range	1	1RB#0	24.27	20.3~25.7
			1RB#99	23.37	20.3~25.7
			18RB#0	24.42	20.3~25.7





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	24.64	20.3~25.7
			1RB#24	24.60	20.3~25.7
	Mid Range	1	1RB#0	22.33	20.3~25.7
			1RB#24	23.74	20.3~25.7
	High Range	1	1RB#0	23.78	20.3~25.7
			1RB#24	24.53	20.3~25.7
20MHz	Low Range	1	1RB#0	24.45	20.3~25.7
			1RB#99	22.55	20.3~25.7
	Mid Range	1	1RB#0	21.10	20.3~25.7
			1RB#99	23.27	20.3~25.7
	High Range	1	1RB#0	22.90	20.3~25.7
			1RB#99	23.62	20.3~25.7
			18RB#0	22.82	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	23.23	20.3~25.7
	Mid Range	1	1RB#0	23.19	20.3~25.7
	High Range	1	1RB#0	23.16	20.3~25.7
5MHz	Low Range	1	1RB#0	23.65	20.3~25.7
			1RB#24	24.17	20.3~25.7
	Mid Range	1	1RB#0	23.27	20.3~25.7
			1RB#24	23.32	20.3~25.7
	High Range	1	1RB#0	23.79	20.3~25.7
			1RB#24	23.26	20.3~25.7
10MHz	Low Range	1	1RB#0	23.32	20.3~25.7
			1RB#49	24.20	20.3~25.7
	Mid Range	1	1RB#0	22.77	20.3~25.7
			1RB#49	23.02	20.3~25.7
	High Range	1	1RB#0	23.94	20.3~25.7
			1RB#49	22.84	20.3~25.7
			12RB#0	23.53	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	23.81	20.3~25.7
			1RB#24	23.40	20.3~25.7
	Mid Range	1	1RB#0	24.27	20.3~25.7
			1RB#24	24.17	20.3~25.7
	High Range	1	1RB#0	24.01	20.3~25.7
			1RB#24	24.44	20.3~25.7
20MHz	Low Range	1	1RB#0	23.80	20.3~25.7
			1RB#99	24.35	20.3~25.7
	Mid Range	1	1RB#0	23.39	20.3~25.7
			1RB#99	23.98	20.3~25.7
	High Range	1	1RB#0	23.27	20.3~25.7
			1RB#99	24.37	20.3~25.7
			18RB#0	22.90	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	24.40	20.3~25.7
			4RB#0	24.61	20.3~25.7
	Mid Range	1	1RB#0	23.64	20.3~25.7
			4RB#0	23.77	20.3~25.7
	High Range	1	1RB#14	24.17	20.3~25.7
			4RB#11	24.23	20.3~25.7
5MHz	Low Range	1	1RB#0	24.51	20.3~25.7
			8RB#0	24.37	20.3~25.7
	Mid Range	1	1RB#0	23.41	20.3~25.7
			8RB#0	23.66	20.3~25.7
	High Range	1	1RB#24	24.30	20.3~25.7
			8RB#17	24.44	20.3~25.7
20MHz	Low Range	1	1RB#0	24.12	20.3~25.7
			18RB#0	23.82	20.3~25.7
	Mid Range	1	1RB#0	22.94	20.3~25.7
			18RB#0	23.02	20.3~25.7
	High Range	1	1RB#99	24.82	20.3~25.7
			18RB#82	24.14	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	23.63	20.3~25.7
			8RB#0	23.89	20.3~25.7
	Mid Range	1	1RB#0	21.39	20.3~25.7
			8RB#0	21.51	20.3~25.7
	High Range	1	1RB#24	23.45	20.3~25.7
			8RB#17	23.55	20.3~25.7
20MHz	Low Range	1	1RB#0	23.75	20.3~25.7
			18RB#0	24.19	20.3~25.7
	Mid Range	1	1RB#0	22.48	20.3~25.7
			18RB#0	22.14	20.3~25.7
	High Range	1	1RB#99	23.81	20.3~25.7
			18RB#82	23.93	20.3~25.7

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	23.93	20.3~25.7
			8RB#0	24.07	20.3~25.7
	Mid Range	1	1RB#0	24.67	20.3~25.7
			8RB#0	24.56	20.3~25.7
	High Range	1	1RB#24	24.13	20.3~25.7
			8RB#17	23.92	20.3~25.7
20MHz	Low Range	1	1RB#0	23.86	20.3~25.7
			18RB#0	24.38	20.3~25.7
	Mid Range	1	1RB#0	24.63	20.3~25.7
			18RB#0	24.55	20.3~25.7
	High Range	1	1RB#99	23.94	20.3~25.7
			18RB#82	23.88	20.3~25.7





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)		
53.04	Horizontal	-80.77	-36.00	Pass
812.04	H	-73.41	-36.00	
3900.21	H	-68.26	-30.00	
5854.34	H	-50.98	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.15	Vertical	-77.69	-36.00	Pass
753.94	V	-76.81	-36.00	
3905.26	V	-69.59	-30.00	
5852.55	V	-51.20	-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)		
52.88	Horizontal	-77.05	-36.00	Pass
719.34	H	-71.67	-36.00	
3903.38	H	-68.65	-30.00	
5855.86	H	-58.72	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
55.42	Vertical	-80.03	-36.00	Pass
959.71	V	-75.92	-36.00	
3902.32	V	-65.95	-30.00	
5851.50	V	-50.60	-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)		
54.50	Horizontal	-76.59	-36.00	Pass
778.04	H	-73.91	-36.00	
3900.44	H	-61.85	-30.00	
5854.58	H	-55.97	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
57.83	Vertical	-79.74	-36.00	Pass
747.01	V	-78.25	-36.00	
3900.88	V	-62.10	-30.00	
5851.79	V	-56.12	-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)		
56.64	Horizontal	-79.57	-36.00	Pass
822.79	H	-71.32	-36.00	
3904.36	H	-69.27	-30.00	
5850.38	H	-58.86	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
51.50	Vertical	-79.93	-36.00	Pass
961.55	V	-75.53	-36.00	
3902.36	V	-69.46	-30.00	
5853.10	V	-57.82	-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)		
56.12	Horizontal	-72.30	-36.00	Pass
814.54	H	-76.49	-36.00	
3503.75	H	-60.60	-30.00	
5251.54	H	-55.35	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.46	Vertical	-74.15	-36.00	Pass
792.44	V	-77.48	-36.00	
3503.59	V	-68.58	-30.00	
5250.66	V	-56.18	-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)		
54.23	Horizontal	-74.55	-36.00	Pass
810.33	H	-73.68	-36.00	
3500.23	H	-64.67	-30.00	
5250.04	H	-56.24	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.66	Vertical	-80.93	-36.00	Pass
959.25	V	-78.29	-36.00	
3504.67	V	-61.74	-30.00	
5252.30	V	-55.90	-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)		
60.49	Horizontal	-71.98	-36.00	Pass
823.58	H	-79.50	-36.00	
3502.09	H	-65.44	-30.00	
5251.26	H	-55.11	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
58.83	Vertical	-76.96	-36.00	Pass
918.79	V	-77.45	-36.00	
3500.55	V	-65.08	-30.00	
5252.89	V	-51.17	-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)		
57.36	Horizontal	-75.60	-36.00	Pass
929.00	H	-78.20	-36.00	
3504.48	H	-63.13	-30.00	
5253.00	H	-51.70	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.28	Vertical	-70.10	-36.00	Pass
878.55	V	-77.73	-36.00	
3505.29	V	-65.69	-30.00	
5255.24	V	-57.01	-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)		
53.69	Horizontal	-78.80	-36.00	Pass
809.32	H	-78.21	-36.00	
3500.14	H	-69.26	-30.00	
5255.32	H	-52.31	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.86	Vertical	-80.88	-36.00	Pass
986.00	V	-80.02	-36.00	
3500.02	V	-64.04	-30.00	
5250.02	V	-58.91	-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)		
50.69	Horizontal	-74.64	-36.00	Pass
736.90	H	-76.55	-36.00	
3500.52	H	-65.58	-30.00	
5252.56	H	-54.64	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
51.01	Vertical	-79.00	-36.00	Pass
911.80	V	-80.11	-36.00	
3505.65	V	-69.87	-30.00	
5253.48	V	-50.46	-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)		
55.30	Horizontal	-70.33	-36.00	Pass
882.17	H	-72.39	-36.00	
5072.31	H	-61.05	-30.00	
7687.48	H	-52.30	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
60.49	Vertical	-70.73	-36.00	Pass
950.35	V	-77.14	-36.00	
5073.81	V	-70.38	-30.00	
7687.32	V	-56.07	-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)		
53.72	Horizontal	-72.74	-36.00	Pass
774.27	H	-78.70	-36.00	
5074.00	H	-70.59	-30.00	
7685.79	H	-56.58	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
53.06	Vertical	-74.28	-36.00	Pass
784.27	V	-73.86	-36.00	
5074.53	V	-63.28	-30.00	
7685.90	V	-56.85	-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)		
51.73	Horizontal	-74.51	-36.00	Pass
792.85	H	-73.50	-36.00	
5071.35	H	-64.11	-30.00	
7685.73	H	-60.28	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.47	Vertical	-70.36	-36.00	Pass
942.36	V	-79.05	-36.00	
5070.49	V	-63.49	-30.00	
7689.30	V	-53.47	-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)		
57.19	Horizontal	-76.14	-36.00	Pass
896.42	H	-74.35	-36.00	
5074.42	H	-65.25	-30.00	
7690.11	H	-59.91	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
51.36	Vertical	-72.80	-36.00	Pass
922.55	V	-72.88	-36.00	
5071.86	V	-65.96	-30.00	
7687.60	V	-53.47	-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)		
53.35	Horizontal	-71.15	-36.00	Pass
781.45	H	-74.20	-36.00	
1795.96	H	-63.65	-30.00	
2695.12	H	-57.21	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
50.15	Vertical	-74.29	-36.00	Pass
778.19	V	-80.73	-36.00	
1792.69	V	-69.12	-30.00	
2690.14	V	-59.01	-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)		
58.28	Horizontal	-80.61	-36.00	Pass
936.85	H	-76.56	-36.00	
1792.86	H	-70.22	-30.00	
2694.86	H	-55.55	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
53.80	Vertical	-74.16	-36.00	Pass
758.57	V	-71.81	-36.00	
1792.07	V	-68.27	-30.00	
2693.85	V	-60.11	-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)		
59.48	Horizontal	-73.45	-36.00	Pass
851.59	H	-72.56	-36.00	
1795.10	H	-69.42	-30.00	
2691.78	H	-55.11	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.52	Vertical	-78.66	-36.00	Pass
926.77	V	-74.65	-36.00	
1791.19	V	-61.38	-30.00	
2690.11	V	-53.48	-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)		
59.11	Horizontal	-80.43	-36.00	Pass
915.01	H	-72.79	-36.00	
1792.76	H	-61.72	-30.00	
2690.81	H	-50.70	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.21	Vertical	-76.36	-36.00	Pass
873.05	V	-73.19	-36.00	
1791.10	V	-64.32	-30.00	
2691.89	V	-59.23	-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)		
59.40	Horizontal	-72.29	-36.00	Pass
881.79	H	-75.01	-36.00	
1793.51	H	-61.73	-30.00	
2694.41	H	-53.47	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
58.05	Vertical	-79.94	-36.00	Pass
895.67	V	-79.35	-36.00	
1791.90	V	-66.38	-30.00	
2691.50	V	-53.25	-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)		
50.46	Horizontal	-73.55	-36.00	Pass
904.74	H	-76.62	-36.00	
1796.12	H	-62.81	-30.00	
2690.38	H	-59.37	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
54.96	Vertical	-76.35	-36.00	Pass
927.39	V	-71.97	-36.00	
1800.12	V	-62.69	-30.00	
2692.00	V	-58.75	-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)		
52.58	Horizontal	-75.79	-36.00	Pass
945.77	H	-76.02	-36.00	
1695.83	H	-65.48	-30.00	
2542.30	H	-54.10	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.78	Vertical	-71.83	-36.00	Pass
874.47	V	-70.33	-36.00	
1697.24	V	-61.75	-30.00	
2543.36	V	-55.21	-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)		
52.70	Horizontal	-75.75	-36.00	Pass
931.27	H	-75.88	-36.00	
1696.35	H	-67.00	-30.00	
2544.25	H	-59.49	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.95	Vertical	-79.50	-36.00	Pass
749.94	V	-75.72	-36.00	
1691.05	V	-65.72	-30.00	
2544.63	V	-59.31	-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)		
51.87	Horizontal	-70.23	-36.00	Pass
845.39	H	-75.04	-36.00	
1692.03	H	-70.93	-30.00	
2540.04	H	-56.65	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.58	Vertical	-75.21	-36.00	Pass
904.26	V	-71.43	-36.00	
1700.63	V	-64.83	-30.00	
2541.64	V	-59.21	-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)		
50.77	Horizontal	-75.58	-36.00	Pass
767.68	H	-75.93	-36.00	
1692.73	H	-68.26	-30.00	
2541.49	H	-57.61	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
51.13	Vertical	-73.95	-36.00	Pass
832.87	V	-73.31	-36.00	
1690.33	V	-68.49	-30.00	
2543.39	V	-58.22	-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)		
52.99	Horizontal	-78.43	-36.00	Pass
932.17	H	-75.70	-36.00	
1455.73	H	-64.58	-30.00	
2174.58	H	-57.30	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
51.04	Vertical	-70.22	-36.00	Pass
1000.71	V	-76.41	-36.00	
1446.66	V	-62.85	-30.00	
2176.23	V	-56.30	-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)		
54.87	Horizontal	-79.53	-36.00	Pass
843.32	H	-72.54	-36.00	
1452.18	H	-68.54	-30.00	
2173.66	H	-60.49	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
54.34	Vertical	-80.17	-36.00	Pass
742.92	V	-80.27	-36.00	
1449.11	V	-62.02	-30.00	
2178.03	V	-54.92	-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)		
52.28	Horizontal	-75.21	-36.00	Pass
710.49	H	-79.63	-36.00	
1449.41	H	-68.36	-30.00	
2170.78	H	-53.71	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.76	Vertical	-78.02	-36.00	Pass
752.92	V	-71.71	-36.00	
1449.69	V	-64.73	-30.00	
2174.35	V	-53.40	-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)		
51.05	Horizontal	-73.25	-36.00	Pass
810.68	H	-79.86	-36.00	
1454.10	H	-69.75	-30.00	
2171.88	H	-57.74	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
60.85	Vertical	-77.31	-36.00	Pass
796.87	V	-77.89	-36.00	
1455.45	V	-66.30	-30.00	
2176.09	V	-57.32	-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)		
56.95	Horizontal	-73.82	-36.00	Pass
949.89	H	-74.93	-36.00	
1454.05	H	-69.08	-30.00	
2172.26	H	-59.91	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
55.08	Vertical	-71.50	-36.00	Pass
761.02	V	-75.40	-36.00	
1454.29	V	-64.83	-30.00	
2173.40	V	-53.30	-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)		
56.62	Horizontal	-73.09	-36.00	Pass
816.12	H	-79.99	-36.00	
1448.13	H	-60.88	-30.00	
2176.77	H	-54.73	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
55.43	Vertical	-70.68	-36.00	Pass
969.71	V	-72.77	-36.00	
1446.11	V	-68.53	-30.00	
2177.11	V	-54.92	-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)		
52.36	Horizontal	-77.04	-36.00	Pass
866.95	H	-73.02	-36.00	
5194.88	H	-60.56	-30.00	
7793.64	H	-57.70	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.73	Vertical	-78.93	-36.00	Pass
846.71	V	-76.04	-36.00	
5194.44	V	-60.63	-30.00	
7793.00	V	-51.51	-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)		
58.49	Horizontal	-78.26	-36.00	Pass
750.73	H	-74.14	-36.00	
5190.82	H	-68.46	-30.00	
7792.91	H	-50.44	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.17	Vertical	-71.76	-36.00	Pass
849.77	V	-78.22	-36.00	
5194.75	V	-66.42	-30.00	
7793.06	V	-58.38	-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)		
58.65	Horizontal	-78.43	-36.00	Pass
859.16	H	-74.96	-36.00	
5192.73	H	-69.64	-30.00	
7791.52	H	-55.64	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
54.79	Vertical	-78.48	-36.00	Pass
923.44	V	-80.68	-36.00	
5194.34	V	-60.68	-30.00	
7790.67	V	-53.81	-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)		
55.69	Horizontal	-76.01	-36.00	Pass
737.81	H	-77.83	-36.00	
5192.77	H	-64.48	-30.00	
7793.78	H	-52.81	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.73	Vertical	-79.52	-36.00	Pass
709.34	V	-75.98	-36.00	
5195.30	V	-66.39	-30.00	
7790.42	V	-56.08	-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)		
60.84	Horizontal	-76.52	-36.00	Pass
937.98	H	-79.39	-36.00	
4700.09	H	-65.53	-30.00	
7055.85	H	-54.69	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.80	Vertical	-77.28	-36.00	Pass
999.50	V	-73.04	-36.00	
4703.73	V	-63.38	-30.00	
7054.05	V	-55.22	-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)		
56.48	Horizontal	-78.56	-36.00	Pass
776.01	H	-72.98	-36.00	
4708.63	H	-63.06	-30.00	
7056.42	H	-56.60	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
54.24	Vertical	-74.74	-36.00	Pass
750.80	V	-73.19	-36.00	
4705.00	V	-67.85	-30.00	
7056.67	V	-51.39	-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)		
58.16	Horizontal	-73.00	-36.00	Pass
980.72	H	-76.53	-36.00	
4703.72	H	-66.84	-30.00	
7050.26	H	-58.99	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
60.57	Vertical	-71.29	-36.00	Pass
910.37	V	-76.03	-36.00	
4702.17	V	-70.67	-30.00	
7054.04	V	-55.54	-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)		
56.83	Horizontal	-70.41	-36.00	Pass
895.05	H	-71.00	-36.00	
4707.58	H	-65.97	-30.00	
7055.46	H	-53.12	-30.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
53.51	Vertical	-79.27	-36.00	Pass
993.56	V	-71.12	-36.00	
4708.96	V	-65.07	-30.00	
7058.39	V	-52.64	-30.00	





Radiated spurious emissions-MS in idle mode (Worst Case)

LTE Band 1(20MHz, RB allocation=1): Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
54.08	Horizontal	-77.13	-57.00	Pass
861.08	H	-72.86	-57.00	
1794.56	H	-70.15	-47.00	
2708.54	H	-55.72	-47.00	
3618.35	H	-59.18	-47.00	
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
50.10	Vertical	-72.55	-57.00	Pass
891.90	V	-75.37	-57.00	
1794.98	V	-60.33	-47.00	
2703.44	V	-57.87	-47.00	
3615.07	V	-52.89	-47.00	

-----THE END OF REPORT-----

