



# FCC RADIO TEST REPORT

FCC ID : ZMOFM350GLL

Equipment : 5G Module

Brand Name : Fibocom Wireless Inc.

Model Name : FM350-GL

Applicant : Fibocom Wireless Inc.

1101, Tower A, Building 6, Shenzhen International, Innovation

Valley, Dashi 1st Rd, Nanshan, ShenZhen, China

Manufacturer : LCFC (HeFei) Electronics Technology Co., Ltd.

No. 3188-1, Yungu Road (Hefei Export Processing Zone), Hefei Economics & Technology Development Area, Anhui, CHINA

Standard : FCC 47 CFR Part 2, and 90(S)

Equipment: Fibocom FM350-GL tested inside of Lenovo Notebook Computer.

The product was received on Oct. 20, 2022 and testing was performed from Nov. 09, 2022 to Dec. 27, 2022. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

Louis Wu

Sporton International Inc. Wensan Laboratory

Report Version

: 01

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Report No. : FG2O2027H

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# History of this test report

Report No. : FG2O2027H

Version	Description	Issue Date
01	Initial issue of report	Dec. 30, 2022
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## **Summary of Test Result**

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Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046 §90.635	Conducted Output Power and Effective Radiated Power	Pass	-
-	-	Peak-to-Average Ratio	-	See Note
-	§2.1049 §90.209	Occupied Bandwidth and 26dB Bandwidth	-	See Note
-	§2.1051 §90.691	Emission masks – In-band emissions	-	See Note
-	§2.1051 Emission masks – §90.691 Out of band emissions		-	See Note
-	§2.1055 §90.213	Frequency Stability for Temperature & Voltage	-	See Note
3.3	.3 §2.1053 §90.691 Field Strength of Spurious Ra		Pass	32.95 dB under the limit at 2440.200 MHz

**Note:** The certified module (Model: FM350-GL) which supports normal mode and TX switching mode being integrated into a notebook computer. Spot check on both modes were performed and no degradation occur. Thus additionally reporting the spot check results in this report.

#### Declaration of Conformity:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
   It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
- 2. The measurement uncertainty please refer to report "Uncertainty of Evaluation".

#### Comments and Explanations:

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

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#### 1 **General Description**

# 1.1 Feature of Equipment Under Test

Product Feature						
Equipment	5G Module					
Brand Name	Fibocom Wireless Inc.					
Model Name	FM350-GL					
FCC ID	ZMOFM350GLL					
Sample 1	EUT with Host 1					
Sample 2	EUT with Host 2					
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/GNSS					
EUT Stage	Production Unit					

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#### Remark:

- 1. The above EUT's information was declared by manufacturer.
- 2. Equipment: Fibocom FM350-GL tested inside of Lenovo Notebook Computer.

	Normal mode	TX switching mode
	TX/RX	TX/RX
	WCDMA: 2/4/5	WCDMA: 5
Ant_0 (Main)	LTE: 2/4/5/7/12/13/14/17/25/26/30/38/66/71	LTE: 5/12/13/14/17/26/41/48/71
	NR: 2/5/7/25/30/38/66/71	NR : 5/41/71/77/78
	  LTE : 41/48	WCDMA : 2/4
Ant_2 (MIMO2)	NR : 41/77/78	LTE: 2/4/7/25/30/38/66
	NR : 41/////8	NR: 2/7/25/30/38/66

The product was installed into Notebook Computer (Brand Name: Lenovo, Model Name: TP00128C) during test, and the host information was recorded in the following table.

Host Information						
Host 1	Host with Amphenol Antenna					
Host 2	Host with JYT/NVC Antenna					

WWAN Antenna Information									
	Manufacturer	Amphenol	Peak gain (dBi)	LTE Band 26: -0.43					
Main Antenna	Part number	TKC114-16-000-C	Туре	PIFA					
Walli Alitelilia	Manufacturer	JYT/NVC	Peak gain (dBi)	LTE Band 26: -2.02					
	Part number	JYAAE0154HR	Туре	PIFA					

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

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# 1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard						
Tx Frequency	814.7 ~ 823.3 MHz					
Rx Frequency	859.7 ~ 868.3 MHz					
Bandwidth	1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz					
Maximum Output Power to Antenna	23.78 dBm					
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM					

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## 1.3 Modification of EUT

No modifications made to the EUT during the testing.

# 1.4 Testing Site

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory				
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333				
Test Site No.	Sporton Site No.				
rest Site No.	TH03-HY (TAF Code: 1190)				
Test Engineer	Cotty Hsu				
Temperature (°C)	22.2~23.1				
Relative Humidity (%)	51~56				
Remark	The Conducted test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory				

Test Site	Sporton International Inc. Wensan Laboratory			
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010			
Test Site No.	Sporton Site No.			
rest site No.	03CH13-HY			
Test Engineer	Rain Lee, Jacky Hong and Mancy Chou			
Temperature (°C)	20~26			
Relative Humidity (%)	40~65			

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW3786

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## 1.5 Applied Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

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- FCC 47 CFR Part 2, 90
- ANSI / TIA-603-E
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- FCC KDB 414788 D01 Radiated Test Site v01r01
- Interim Guidance for Equipment Authorization of Devices with Channel Bandwidths Combined Across Two Contiguous Service Rule Allocations OET/Lab/EACB, June 6, 2013

#### Remark:

- All the test items were validated and recorded in accordance with the standards without any
  modification during the testing.
- 2. The TAF code is not including all the FCC KDB listed without accreditation.

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#### 2 **Test Configuration of Equipment Under Test**

#### **Test Mode** 2.1

During all testing, EUT is in link mode with base station emulator at maximum power level.

Frequency range investigated for radiated emission is 30 MHz to 9000 MHz.

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in Tablet Type (three orthogonal axis (X: flat, Y: portrait, Z: landscape)) and Notebook Type, and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report.

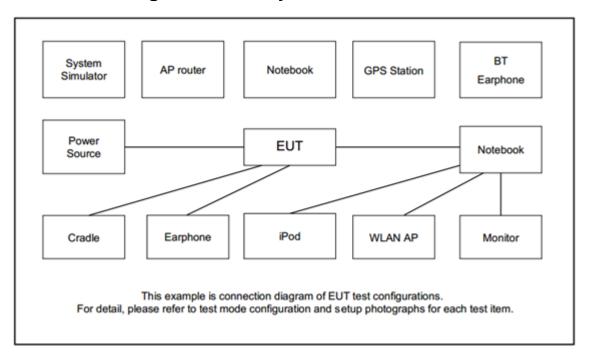
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Conducted	Donal	Bandwidth (MHz)					Modulation				RB#			Test Channel			
Test Cases	Band	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	М	Н
Max. Output Power	26	v	v	v	v	v	-	v	v			V			V	v	v
E.R.P.	26	v	v	v	v	v	-	v	v			Max. Power					
Radiated																	
Spurious	26	V			v	V	-	v				V			V	v	V
Emission																	
Remark	2. Th 3. LT ov sp 4. Fo (C)	ne mar E Ban ver 15N pectrun or mod PSK/1	k "-" m nd26 tra MHz ba n whic lulation 16QAM all test	eans tansmite andwiden falls of 640 (1), there and	hat this frequent th com within QAM/2 refore, show i	s band ency for aplies t part 22 56QAI accord n the r	width in part2 he ER also of M, the ding to eport.	s not sup 22 rule is P limit lin complies. maximur	e of part2 n power cring evalu	849MHz, 22 rule, th	for part90 erefore El 1/256QAM choose h	RP of	f the p	artial an otl	freque	ency odula	tion

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## 2.2 Connection Diagram of Test System



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# 2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	. Earphone SONY		MH750	N/A	Shielded, 1.2m	N/A
2.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

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# 2.4 Frequency List of Low/Middle/High Channels

	LTE Band 26 Ch	annel and Frequen	cy List	
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26765	-	-
15	Frequency	821.5	-	-
10	Channel	-	26740	-
	Frequency	-	819	-
5	Channel	26715	26740	26765
5	Frequency	816.5	819	821.5
3	Channel	26705	26740	26775
3	Frequency	815.5	819	822.5
1.4	Channel	26697	26740	26783
1.4	Frequency	814.7	819	823.3

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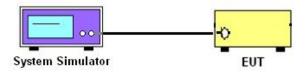
## 3 Conducted Test Items

# 3.1 Measuring Instruments

See list of measuring instruments of this test report.

## 3.1.1 Test Setup

## 3.1.2 Conducted Output Power



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#### 3.1.3 Test Result of Conducted Test

Please refer to Appendix A.

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## 3.2 Conducted Output Power Measurement and ERP Measurement

# 3.2.1 Description of the Conducted Output Power Measurement and ERP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

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The output power of mobile transmitters must not exceed 100 Watts for LTE Band 26.

According to KDB 412172 D01 Power Approach,

 $EIRP = P_T + G_T - L_C$ , where

 $P_T$  = transmitter output power in dBm

 $G_T$  = gain of the transmitting antenna in dBi

L<sub>C</sub> = signal attenuation in the connecting cable between the transmitter and antenna in dB

#### 3.2.2 Test Procedures

- 1. The transmitter output port was connected to the system simulator.
- 2. Set EUT at maximum power through system simulator.
- 3. Select lowest, middle, and highest channels for each band and different modulation.
- 4. Measure and record the power level from the system simulator.

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## 3.3 Field Strength of Spurious Radiation Measurement

### 3.3.1 Description of Field Strength of Spurious Radiated Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission FCC Part 90.691 on any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth at least 43 + 10 log (P) dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

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The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43+10log<sub>10</sub>(P[Watts]) dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

#### 3.3.2 Test Procedures

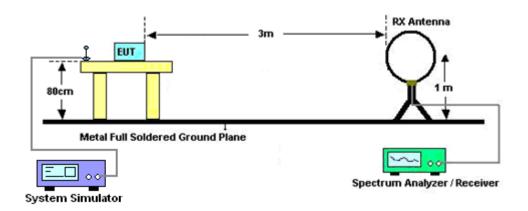
- The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
- 2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
- 4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
- 5. For testing below 1GHz, make the measurement with the spectrum analyzer's RBW = 100 kHz, VBW = 3MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
- 6. For testing above 1GHz, make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
- A horn antenna was substituted in place of the EUT and was driven by a signal generator. 7.
- 8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
- 9. Taking the record of output power at antenna port.
- 10. Repeat step 7 to step 8 for another polarization.
- 11. EIRP (dBm) = S.G. Power Tx Cable Loss + Tx Antenna Gain
- 12. ERP (dBm) = EIRP 2.15
- 13. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
- 14. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

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## 3.3.3 Test Setup

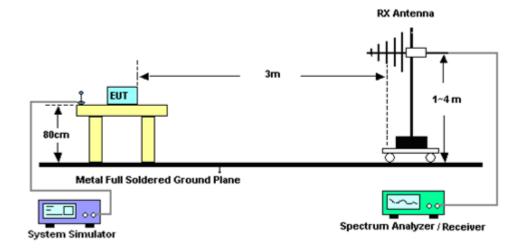
#### For radiated test below 30MHz



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#### For radiated test from 30MHz to 1GHz

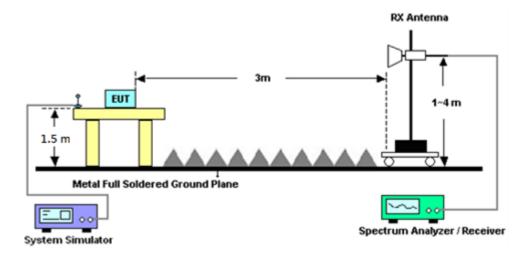
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#### For radiated test above 1GHz



## 3.3.4 Test Result of Field Strength of Spurious Radiated

Please refer to Appendix B.

#### Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

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#### **List of Measuring Equipment** 4

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration	Test Date	Due Date	Remark
	Rohde &		00.10.110.		Date		240 2410	Radiation
Loop Antenna	Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Nov. 09, 2022~ Dec. 22, 2022	Sep. 19, 2023	(03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 21, 2022	Nov. 09, 2022~ Dec. 22, 2022	Feb. 20, 2023	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 15, 2021	Nov. 09, 2022~ Dec. 13, 2022	Dec. 14, 2022	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 14, 2022	Dec. 14, 2022~ Dec. 22, 2022	Dec. 13, 2023	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	40103 & 07	30MHz~1GHz	Apr. 24, 2022	Nov. 09, 2022~ Dec. 22, 2022	Apr. 23, 2023	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Nov. 09, 2022~ Dec. 22, 2022	Feb. 05, 2023	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303B	TP140325	N/A	Nov. 07, 2022	Nov. 09, 2022~ Dec. 22, 2022	Nov. 06, 2023	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010180 0-30-10P	1590074	1GHz~18GHz	May 17, 2022	Nov. 09, 2022~ Dec. 22, 2022	May 16, 2023	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY5327014 7	1GHz~26.5GHz	Oct. 25, 2022	Nov. 09, 2022~ Dec. 22, 2022	Oct. 24, 2023	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY5537052 6	10Hz~44GHz	Mar. 18, 2022	Nov. 09, 2022~ Dec. 22, 2022	Mar. 17, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-1530- 8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 13, 2022	Nov. 09, 2022~ Dec. 22, 2022	Sep. 12, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-1080-12 00-15000-60SS	SN3	1.2GHz High Pass Filter	Jun. 30, 2022	Nov. 09, 2022~ Dec. 22, 2022	Jun. 29, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700-30 00-18000-60SS	SN2	3GHz High Pass Filter	Jul. 12, 2022	Nov. 09, 2022~ Dec. 22, 2022	Jul. 11, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 09, 2022	Nov. 09, 2022~ Dec. 22, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30MHz~18GHz	Feb. 09, 2022	Nov. 09, 2022~ Dec. 22, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4P E	9 kHz~30 MHz	Mar. 10, 2022	Nov. 09, 2022~ Dec. 22, 2022	Mar. 09, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 09, 2022	Nov. 09, 2022~ Dec. 22, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 09, 2022~ Dec. 22, 2022	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 09, 2022~ Dec. 22, 2022	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 09, 2022~ Dec. 22, 2022	N/A	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1241	1-18GHz	Jul. 25, 2022	Nov. 09, 2022~ Dec. 22, 2022	Jul. 24, 2023	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 10, 2022	Nov. 09, 2022~ Dec. 22, 2022	Mar. 09, 2023	Radiation (03CH13-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 13, 2022	Nov. 23, 2022~ Dec. 27, 2022	Oct. 12, 2023	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 07, 2022	Nov. 23, 2022~ Dec. 27, 2022	Jan. 06, 2023	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262134933	FR1	Jun. 13, 2022	Nov. 23, 2022~ Dec. 27, 2022	Jun. 12, 2023	Conducted (TH03-HY)

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# 5 Uncertainty of Evaluation

## Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.40 dB
Confidence of 95 % (0 = 200(y))	

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#### **Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)**

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.81 dB
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# **Appendix A. Test Results of Conducted Test**

# Conducted Output Power(Average power & ERP)

	LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.43 dB)											
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)				
15	1	0	QPSK	23.49	-	-	20.91	0.1233				
15	1	0	16-QAM	22.37	-	-	20.24	0.1057				
Limit	Limit Output Power < 100W				Result	Pass						

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	LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.43 dB)											
BW [MHz]	RB Size	RB Size RB Offset Mod Lowest Middle Highest						ERP (W)				
10	1	0	QPSK	-	23.39	-	20.81	0.1205				
10	1	0	16-QAM	-	22.79	-	20.21	0.1050				
Limit Output Power < 100W				Result Pass								

	LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.43 dB)										
BW [MHz]	RB Size	RB Offset	Offset Mod Lowest Middle Highest ERP (dBm) ER								
5	1	0	QPSK	23.70	23.64	23.50	21.12	0.1294			
5	1	0	16-QAM	22.94	22.94	22.87	20.36	0.1086			
Limit	Limit Output Power < 100W				Result		Pass				

	LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.43 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Mod Lowest Middle Highest ERP (dBm) ER							
3	1	0	QPSK	23.53	23.54	23.48	20.96	0.1247			
3	1	0	16-QAM	22.94	23.04	22.85	20.46	0.1112			
Limit	Outp	ut Power <	100W		Result		Pass				

	LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.43 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Highest	ERP (dBm)	ERP (W)					
1.4	1	0	QPSK	23.78	23.43	23.47	21.20	0.1318			
1.4	1	0	16-QAM	23.03	22.97	22.77	20.45	0.1109			
Limit	Limit Output Power < 100W				Result	Pa	iss				

# Appendix B. Test Results of Radiated Test

# LTE Band 26 (Ant. Main)

Report No.: FG2O2027H

			Lī	ΓΕ Band 26 /	1.4MHz / QF	PSK			
Channel	Frequency ( MHz )	ERP (dBm)	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
	1629	-60.87	-13	-47.87	-75.94	-61.70	6.32	9.30	Н
	2443	-59.68	-13	-46.68	-76.46	-59.88	7.87	10.22	Н
	3257	-57.13	-13	-44.13	-76.34	-57.72	9.07	11.81	Н
									Н
									Н
Lowest									Н
Lowesi	1629	-61.02	-13	-48.02	-76.09	-61.85	6.32	9.30	V
	2443	-60.10	-13	-47.10	-76.73	-60.30	7.87	10.22	V
	3257	-57.08	-13	-44.08	-76.42	-57.67	9.07	11.81	V
									V
									V
									V
	1636.8	-54.41	-13	-41.41	-69.57	-55.26	6.33	9.33	Н
	2455.8	-51.18	-13	-38.18	-67.91	-51.37	7.94	10.28	Н
	3274	-57.53	-13	-44.53	-76.75	-58.18	9.11	11.91	Н
									Н
									Н
Middle									Н
ivildale	1636.8	-56.50	-13	-43.50	-71.66	-57.35	6.33	9.33	V
	2455.8	-50.96	-13	-37.96	-67.54	-51.15	7.94	10.28	V
	3274	-57.49	-13	-44.49	-76.82	-58.14	9.11	11.91	V
									V
									V
									V

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				I				I	
	1644.6	-60.82	-13	-47.82	-76.08	-61.68	6.34	9.35	Н
	2469	-60.09	-13	-47.09	-76.76	-60.28	8.01	10.35	Н
	3292	-57.37	-13	-44.37	-76.61	-58.08	9.15	12.01	Н
									Н
									Н
l limb oot									Н
Highest	1644.6	-60.25	-13	-47.25	-75.5	-61.11	6.34	9.35	V
	2469	-59.96	-13	-46.96	-76.48	-60.15	8.01	10.35	V
	3292	-57.68	-13	-44.68	-77.02	-58.39	9.15	12.01	V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

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			1.	TE Band 26 /	/ 10MHz / QF	PSK			
Channel	Frequency (MHz)	ERP (dBm)	Limit ( dBm )	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
	1629	-48.65	-13	-35.65	-63.72	-49.48	6.32	9.30	Н
	2440.2	-46.03	-13	-33.03	-62.82	-46.22	7.86	10.20	Н
	3258	-57.69	-13	-44.69	-76.9	-58.29	9.07	11.82	Н
									Н
									Н
									Н
Middle									Н
Middle	1629	-53.17	-13	-40.17	-68.24	-54.00	6.32	9.30	V
	2440.2	-45.95	-13	-32.95	-62.59	-46.14	7.86	10.20	V
	3258	-57.28	-13	-44.28	-76.62	-57.88	9.07	11.82	V
									V
									V
									V
		-				-			V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

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LTE Band 26 / 15MHz / QPSK									
Channel	Frequency ( MHz )	ERP (dBm)	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1644.6	-57.30	-13	-44.30	-72.56	-58.16	6.34	9.35	Н
	2463.6	-51.32	-13	-38.32	-68.02	-51.51	7.98	10.32	Н
	3286	-56.99	-13	-43.99	-76.23	-57.68	9.13	11.97	Н
									Н
									Н
									Н
									Н
	1644.6	-56.36	-13	-43.36	-71.61	-57.22	6.34	9.35	V
	2463.6	-51.99	-13	-38.99	-68.54	-52.18	7.98	10.32	V
	3286	-57.52	-13	-44.52	-76.87	-58.21	9.13	11.97	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

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