



No.:  
FCC2025-0004-RF2

## TEST REPORT

FCC ID : 2AZPC-BGC

NAME OF SAMPLE : Hive1c Plus

APPLICANT : Butlr Technologies inc.

CLASSIFICATION OF TEST : N/A

**CVC Testing Technology Co., Ltd.**

<b>Applicant</b>		Name: Butlr Technologies inc. Address: Suite 510,800 Airport Blvd. Burlingame CA 94010,USA	
<b>Manufacturer</b>		Name: Butlr Technologies inc. Address: Suite 510,800 Airport Blvd. Burlingame CA 94010,USA	
<b>Factory</b>		Name: Shenzhen Saidaxin Technology Co.,Ltd. Address: 6/F, Building I, Saitu Digital Technology Park, Bulan Road, Jihua Street, LonggangShenzhen, Guangdong/ Production	
<b>Equipment Under Test</b>		Name: Hive1c Plus Model/Type: GWDSRSL2 Brand: Butlr Serial NO.: N/A Sample NO.: 1-1	
Date of Receipt.	2024.02.19	Date of Testing	2025.03.26
<b>Test Specification</b>		<b>Test Result</b>	
47 CFR Part 2, 22, 24, 27,90 ANSI/TIA-603-E ANSI C63.26-2015		PASS	
<b>Evaluation of Test Result</b>	The equipment under test was found to comply with the requirements of the standards applied. Seal of CVC  <b>Issue Date:2025.3.26</b>		
Approved by:   Chen HuaWen Name Signature	Reviewed by:   Xuzhenfei Name Signature	Tested by:   LuWeiJi Name Signature	
<b>Other Aspects: NONE.</b>			
Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			

NOTE:1.This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.  
2.This report determines that uncertainty is not taken into account.

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2025-0004-RF2	Original release	2025.03.26

# 1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications

## 1.1 LTE Band 2

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	See section 3.2	Report Only
§24.232(c)	Equivalent Isotropic Radiated Power	EIRP < 2Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	---	/	Report Only
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 24.235	Frequency Stability	Within authorized bands of operation/frequency block.	/	PASS
§2.1051 §24.238(a)	Band Edge Compliance	< 43+10log10(P[Watts])	/	PASS
§2.1051 §24.238(a)	Conducted Spurious Emission	< 43+10log10(P[Watts])	/	PASS
§2.1051 §24.238(a)	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

### 1.2 LTE Band 4

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	See section 3.2	Report Only
§27.50(d)(4)	Equivalent Isotropic Radiated Power	EIRP < 1Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	---	/	Report Only
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	/	PASS
§2.1051 §27.53(h)	Band Edge Compliance	< 43+10log10(P[Watts])	/	PASS
§2.1051 §27.53(h)	Conducted Spurious Emission	< 43+10log10(P[Watts])	/	PASS
§2.1051 §27.53(h)	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

### 1.3 LTE Band 5

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	See section 3.2	Report Only
§22.913(a)(5)	Equivalent Radiated Power	ERP < 7Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	---	/	Report Only
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §22.355	Frequency Stability	< 2.5 ppm	/	PASS
§2.1051 §22.917	Band Edge Compliance	< 43+10log10(P[Watts])	/	PASS
§2.1051 §22.917	Conducted Spurious Emission	< 43+10log10(P[Watts])	/	PASS
§2.1051 §22.917	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

**1.4 LTE Band 7**

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	See section 3.2	Report Only
§27.50(h)(2)	Equivalent Isotropic Radiated Power	EIRP < 2Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	>1MHz	/	Report Only
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	/	PASS
§2.1051 §27.53(m4)	Band Edge Compliance	For mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least: (i) 40 + 10 log <sub>10</sub> p from the channel edges to 5 MHz away (ii) 43 + 10 log <sub>10</sub> p between 5 MHz and X MHz from the channel edges, and (iii) 55 + 10 log <sub>10</sub> p at X MHz and beyond from the channel edges In addition, the attenuation shall not be less than 43 + 10 log(p) on all frequencies between 2490.5 MHz and 2496 MHz, and 55 + 10 log <sub>10</sub> p at or below 2490.5 MHz	/	PASS
§2.1051 §27.53(m4)	Conducted Spurious Emission		/	PASS
§2.1051 §27.53(m4)	Radiates Spurious Emission		See section 3.1	PASS

**1.5 LTE Band 12**

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	See section 3.2	Report Only
§27.50(c)(10)	Effective Radiated Power	ERP < 3Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	---	/	Report Only
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	/	PASS
§2.1051 §27.53(g)	Band Edge Compliance	< 43+10log10(P[Watts])	/	PASS
§2.1051 §27.53(g)	Conducted Spurious Emission	< 43+10log10(P[Watts])	/	PASS
§2.1051 §27.53(g)	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

### 1.6 LTE Band 13

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	See section 3.2	Report Only
§27.50(c)(10)	Effective Radiated Power	ERP < 3Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	---	/	Report Only
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	/	PASS
§2.1051 §27.53(c)	Band Edge Compliance	The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10\log_{10}(P[\text{Watts}])$ Additional unwanted emissions limits: a) For all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least: $65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment. b) The e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.	/	PASS
§2.1051 §27.53(c) §27.53(f)	Conducted Spurious Emission		/	PASS
§2.1051 §27.53(c) §27.53(f)	Radiates Spurious Emission		See section 3.1	PASS

## 1.7 LTE Band 25

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	See section 3.2	Report Only
§24.232(c)	Equivalent Isotropic Radiated Power	EIRP < 2Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	---	/	Report Only
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 24.235	Frequency Stability	Within authorized bands of operation/frequency block.	/	PASS
§2.1051 §24.238(a)	Band Edge Compliance	< 43+10log10(P[Watts])	/	PASS
§2.1051 §24.238(a)	Conducted Spurious Emission	< 43+10log10(P[Watts])	/	PASS
§2.1051 §24.238(a)	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

## 1.8 LTE Band B26 (814~824MHz)

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	See section 3.2	Report Only
§90.635(b)	Equivalent Radiated Power	ERP < 100Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	---	/	Report Only
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §90.213	Frequency Stability	Within authorized bands of operation/frequency block.	/	PASS
§2.1051 §90.691	Band Edge Compliance	< 43+10log10(P[Watts])	/	PASS
§2.1051 §90.691	Conducted Spurious Emission	< 43+10log10(P[Watts])	/	PASS
§2.1051 §90.691	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

**1.9 LTE Band B26 (824~849MHz)**

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	See section 3.2	Report Only
§22.913(a)(5)	Equivalent Radiated Power	ERP < 7Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	---	/	Report Only
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §22.355	Frequency Stability	< 2.5 ppm	/	PASS
§2.1051 §22.917	Band Edge Compliance	< 43+10log10(P[Watts])	/	PASS
§2.1051 §22.917	Conducted Spurious Emission	< 43+10log10(P[Watts])	/	PASS
§2.1051 §22.917	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

**1.10 LTE Band 38**

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	See section 3.2	Report Only
§27.50(h)(2)	Equivalent Isotropic Radiated Power	EIRP < 2Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	>1MHz	/	Report Only
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	/	PASS
§2.1051 §27.53(m4)	Band Edge Compliance	For mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least: (i) 40 + 10 log <sub>10</sub> p from the channel edges to 5 MHz away (ii) 43 + 10 log <sub>10</sub> p between 5 MHz and X MHz from the channel edges, and (iii) 55 + 10 log <sub>10</sub> p at X MHz and beyond from the channel edges In addition, the attenuation shall not be less than 43 + 10 log(p) on all frequencies between 2490.5 MHz and 2496 MHz, and 55 + 10 log <sub>10</sub> p at or below 2490.5 MHz	/	PASS
§2.1051 §27.53(m4)	Conducted Spurious Emission		/	PASS
§2.1051 §27.53(m4)	Radiates Spurious Emission		See section 3.1	PASS

**1.11 LTE Band 41**

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	See section 3.2	Report Only
§27.50(h)(2)	Equivalent Isotropic Radiated Power	EIRP < 2Watt	See section 3.2	PASS
§2.1049	Occupied Bandwidth	>1MHz	/	Report Only
---	Peak-to-Average Power Ratio	<13 dB	/	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	/	PASS
§2.1051 §27.53(m4)	Band Edge Compliance	For mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least: (i) 40 + 10 log <sub>10</sub> p from the channel edges to 5 MHz away (ii) 43 + 10 log <sub>10</sub> p between 5 MHz and X MHz from the channel edges, and (iii) 55 + 10 log <sub>10</sub> p at X MHz and beyond from the channel edges In addition, the attenuation shall not be less than 43 + 10 log(p) on all frequencies between 2490.5 MHz and 2496 MHz, and 55 + 10 log <sub>10</sub> p at or below 2490.5 MHz	/	PASS
§2.1051 §27.53(m4)	Conducted Spurious Emission		/	PASS
§2.1051 §27.53(m4)	Radiates Spurious Emission		See section 3.1	PASS

Note: This mobile terminal has a LTE module (model: EG25-G MINIPCIE). The LTE module have been certified. This report only tests stray Radiation emissions and Conducted Power Output and ERP/EIRP, and other testing items and data will refer to the module report(FCC ID: XMR201903EG25G).

### 1.12 LIST OF TEST AND MEASUREMENT INSTRUMENTS

Radiated Emission Test - 5M Chamber				
Equipment listTest Equipment	Type/Mode	Equipment No.	ManuFacterer	Cal. Due
5m Semi-Anechoic Chamber	SAC-5	SAC-5-2.0	COMTEST	2027/02/01
Spectrum Analyzer	N9010B	DZ-000174	KEYSIGHT	2026/01/01
EMI Test Receiver	N9038A-508	EM-000397	Agilent	2026/01/05
Broadband Antenna	VULB 9163	EM-000342	SCHWARZBECK	2025/06/07
Waveguide Horn Antenna	HF906	WKNA-0024-8	R&S	2026/01/12
Preamplifier	BBV 9721	DZ-000209-1	SCHWARZBECK	2025/06/02
Waveguide Horn Antenna	BBHA9170	DZ-000209-2	SCHWARZBECK	2025/08/03
Comprehensive tester	CMW500	DZ-000240-2	R&S	2025/12/02
GSM/WCDMA/LTE Test System				
Equipment listTest Equipment	Type/Mode	Equipment No.	ManuFacterer	Cal. Due
Communication Shielded Room 1	4m*3m*3m	VGDS-0699	CRT	2027/03/28
Spectrum Analyzer	FSV30	DZ-000235	R&S	2025/12/02
Comprehensive Test Instrument	CMW500	DZ-000220	R&S	2025/06/30
Analog Signal Generator	SMA100B	DZ-000239-2	R&S	2025/09/01
Vector Signal Generator	SMBV100B	DZ-000239-1	R&S	2025/04/27
Programmable DC Power Supply	E3642A	DZ-000242-2	KEYSIGHT	2025/08/02

1. The calibration interval of the above Shielding room, Anechoic chamber and Control room is 36 months.
2. The calibration interval of the above test instruments is 12 months.

Radiated Emission test software		
Software name	Software version	Software Developer
JS36-RSE Radiation stray test system	2.5.1.2	Shenzhen JS tonskend co.,ltd
GSM/WCDMA/LTE test software		
Software name	Software version	Software Developer
JS1120 RF Auto Test System	3.1.46	Shenzhen JS tonskend co.,ltd

## 2 GENERAL INFORMATION

### 2.1 GENERAL PRODUCT INFORMATION

<b>PRODUCT</b>	Hive1c Plus		
<b>BRAND</b>	Butlr		
<b>MODEL</b>	GWDSRSCL2		
<b>ADDITIONAL MODEL</b>	N/A		
<b>FCC ID</b>	2AZPC-BGC		
<b>POWER SUPPLY</b>	DC 5V		
<b>MODULATION TYPE</b>	LTE	UL	QPSK, 16QAM
		DL	QPSK, 16QAM, 64QAM
<b>LTE BAND</b>	B2 / B4 / B5 / B7 /B12 /B13 /B25 /B26 /B38 /B41		
<b>OPERATING FREQUENCY</b>	See section 2.3		
<b>MAXIMUM OUTPUT POWER</b>	See section 2.3		
<b>ANTENNA TYPE AND GAIN (Remark 4/5)</b>	See section 2.2		
<b>ANTENNA MODEL</b>	YECTO05W1A-0RWFCA0B		
<b>HARDWARE VERSION:</b>	DVT		
<b>SOFTWARE VERSION:</b>	H1_3.0.4.img		
<b>I/O PORTS</b>	Refer to user's manual		
<p>Remark:</p> <ol style="list-style-type: none"> <li>For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.</li> <li>For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.</li> <li>Please refer to the EUT photo document (Reference No.: FCC2025-0004-EUT) for detailed product photo.</li> <li>Please refer to the antenna report.</li> <li>Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, CVC is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.</li> </ol>			

## 2.2 ANTENNA TYPE AND GAIN

Mode	Antenna Port		UL Function
	Main	Diversity	
LTE			SISO

Mode	Band	Antenna Type		Antenna Gain(dBi)	
		Main	Diversity	Main	Diversity
LTE	LTE B2	External Antenna	External Antenna	4.6	4.6
	LTE B4	External Antenna	External Antenna	4.6	4.6
	LTE B5	External Antenna	External Antenna	1.5	1.5
	LTE B7	External Antenna	External Antenna	3.6	3.6
	LTE B12	External Antenna	External Antenna	1.9	1.9
	LTE B13	External Antenna	External Antenna	1.9	1.9
	LTE B25	External Antenna	External Antenna	4.6	4.6
	LTE B26	External Antenna	External Antenna	1.5	1.5
	LTE B38	External Antenna	External Antenna	3.6	3.6
	LTE B41	External Antenna	External Antenna	3.6	3.6

## 2.3 OPERATING FREQUENCY AND MAX CONDUTED POWER

Mode	Band	TX(MHz)	RX(MHz)	Maximum Output Power (dBm)
LTE	LTE B2	1850 ~ 1910	1930 ~ 1990	23.38
	LTE B4	1710 ~ 1755	2110 ~ 2155	23.44
	LTE B5	824 ~ 849	869 ~ 894	23.33
	LTE B7	2500 ~ 2570	2620 ~ 2690	23.42
	LTE B12	699 ~ 716	729 ~ 746	23.42
	LTE B13	777 ~ 787	746 ~ 756	23.83
	LTE B25	1850 ~ 1915	1930 ~ 1995	23.64
	LTE B26	814 ~ 849	859 ~ 894	23.52
	LTE B38	2570 ~ 2620	2570 ~ 2620	23.41
	LTE B41	2496 ~ 2690	2496 ~ 2690	23.47

## 2.4 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports.

EUT CONFIGURE MODE	DESCRIPTION
-	EUT with GSM or WCDMA or LTE link

Test modes are chosen as the worst case configuration below for GSM

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
RF power output	512 to 810	512, 611, 810	GSM1900
Equivalent Isotropic Radiated Power	512 to 810	512, 611, 810	GSM1900
Radiates Spurious Emission	512 to 810	512, 611, 810	GSM1900

Test modes are chosen as the worst case configuration below for LTE

Test items	LTE	Bandwidth (MHz)						Modulation			RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16 QAM	64 QAM	1%	50%	100%	L	M	H
RF power output	2	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
	5	0	0	0	0	-	-	0	0	-	0	0	0	0	0	0
	7	-	-	0	0	0	0	0	0	-	0	0	0	0	0	0
	12	0	0	0	0	-	-	0	0	-	0	0	0	0	0	0
	13	-	-	0	0	-	-	0	0	-	0	0	0	0	0	0
	25	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
	26	0	0	0	0	0	-	0	0	-	0	0	0	0	0	0
	38	-	-	0	0	0	0	0	0	-	0	0	0	0	0	0
	41	-	-	0	0	0	0	0	0	-	0	0	0	0	0	0
ERP/EIRP (Note3)	2	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
	5	0	0	0	0	-	-	0	0	-	0	0	0	0	0	0
	7	-	-	0	0	0	0	0	0	-	0	0	0	0	0	0
	12	0	0	0	0	-	-	0	0	-	0	0	0	0	0	0
	13	-	-	0	0	-	-	0	0	-	0	0	0	0	0	0
	25	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
	26	0	0	0	0	0	-	0	0	-	0	0	0	0	0	0

	38	-	-	0	0	0	0	0	0	-	0	0	0	0	0	0
	41	-	-	0	0	0	0	0	0	-	0	0	0	0	0	0
Radiates Spurious Emission (Note3)	2	0	0	0	0	0	0	0	-	-	0	-	-	0	0	0
	4	0	0	0	0	0	0	0	-	-	0	-	-	0	0	0
	5	0	0	0	0	-	-	0	-	-	0	-	-	0	0	0
	7	-	-	0	0	0	0	0	-	-	0	-	-	0	0	0
	12	0	0	0	0	-	-	0	-	-	0	-	-	0	0	0
	13	-	-	0	0	-	-	0	-	-	0	-	-	0	0	0
	25	0	0	0	0	0	0	0	-	-	0	-	-	0	0	0
	26	0	0	0	0	0	-	0	-	-	0	-	-	0	0	0
	38	-	-	0	0	0	0	0	-	-	0	-	-	0	0	0
	41	-	-	0	0	0	0	0	-	-	0	-	-	0	0	0
Note	1. The mark "O" means that this configuration is chosen for testing. 2. The mark "-" means that this configuration is not testing. 3. Only the worst case was shown in test report															

**TEST CONDITION:**

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RF power output	24.6deg. C, 53%RH	DC 5V	Chen Jiaxin
Effective Radiated Power	24.6deg. C, 53%RH	DC 5V	Chen Jiaxin
Equivalent Isotropic Radiated Power	24.6deg. C, 53%RH	DC 5V	Chen Jiaxin
Radiates Spurious Emission	24.6deg. C, 53%RH	DC 5V	Chen Jiaxin

## 2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product, according to the specifications of the manufacturers. It must comply with the requirements of the following standards:

**FCC 47 CFR PART 2**

**FCC 47 CFR PART 22**

**FCC 47 CFR PART 24**

**FCC 47 CFR PART 27**

**FCC 47 CFR PART 90**

**KDB 971168 D01 POWER MEAS LICENSE DIGITAL SYSTEMS V03R01**

**ANSI/TIA-603-E**

**ANSI C63.26-2015**

**ANSI C63.4-2014**

Note: All test items have been performed and recorded as per the above standards

## 2.6 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support Equipment							
NO	Description	Brand	Model No.	Serial Number	Supplied by		
1	N/A	N/A	N/A	N/A	N/A		
Support Cable							
NO	Description	Quantity (Number)	Length (cm)	Detachable (Yes/ No)	Shielded (Yes/ No)	Cores (Number)	Supplied by
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

## 2.7 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

No.	Item	Measurement Uncertainty
1	Occupied Channel Bandwidth	$\pm 1.86$ %
2	RF output power, conducted	$\pm 0.651$ dB
3	Power Spectral Density, conducted	$\pm 0.8$ dB
4	Conducted emission test	$\pm 1.427$ dB
5	Radiated emission	$\pm 2.1618$ dB
6	Temperature	$\pm 0.73$ °C
7	Humidity	$\pm 3.90$ %
8	Supply voltages	$\pm 0.37$ %
9	Time	$\pm 0.27$ %
<b>Remark: 95% Confidence Levels, <math>k=2</math>.</b>		

## 2.8 TEST LOCATION

The tests and measurements refer to this report were performed by RF testing Lab. of CVC Testing Technology Co., Ltd.

Add.: No.3, Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou, Guangdong, 510663, People's Republic of China

Telephone : +86-20-32293888

Fax : +86-20-32293889

FCC(Test firm designation number : CN1282)

IC(Test firm CAB identifier number : CN0103)

### 3 TEST TYPES AND RESULTS

#### 3.1 RADIATED EMISSION MEASUREMENT

##### 3.1.1 TEST PROCEDURES

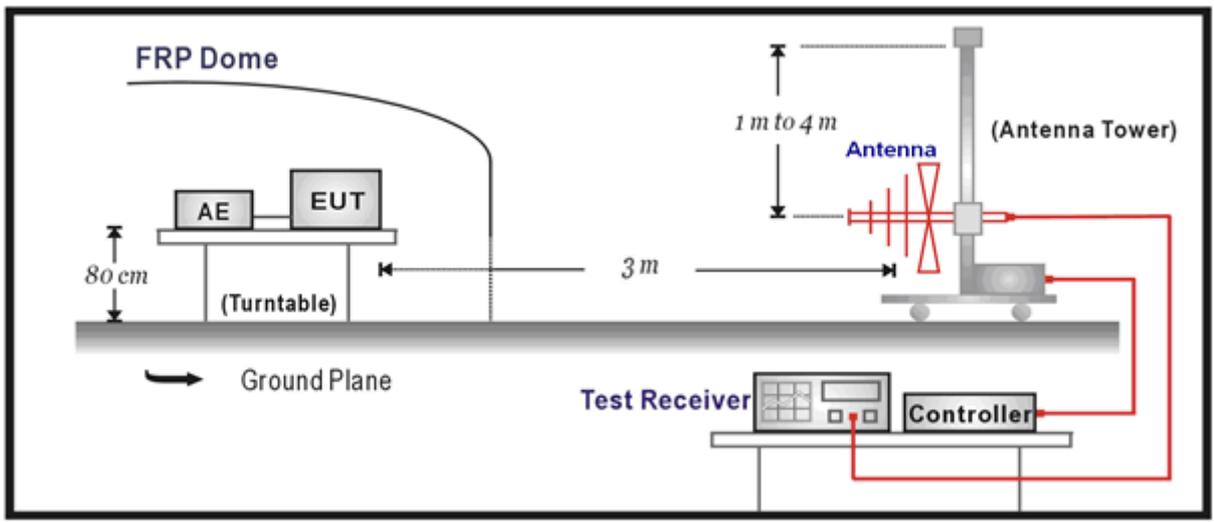
- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step a. Record the power level of S.G
- c.  $EIRP(dBm) = S.G.POWER - TX \text{ cable loss} + \text{Antenna gain.}$
- d.  $E.R.P(dBm) = E.I.P.R - 2.15dBi.$

##### NOTE:

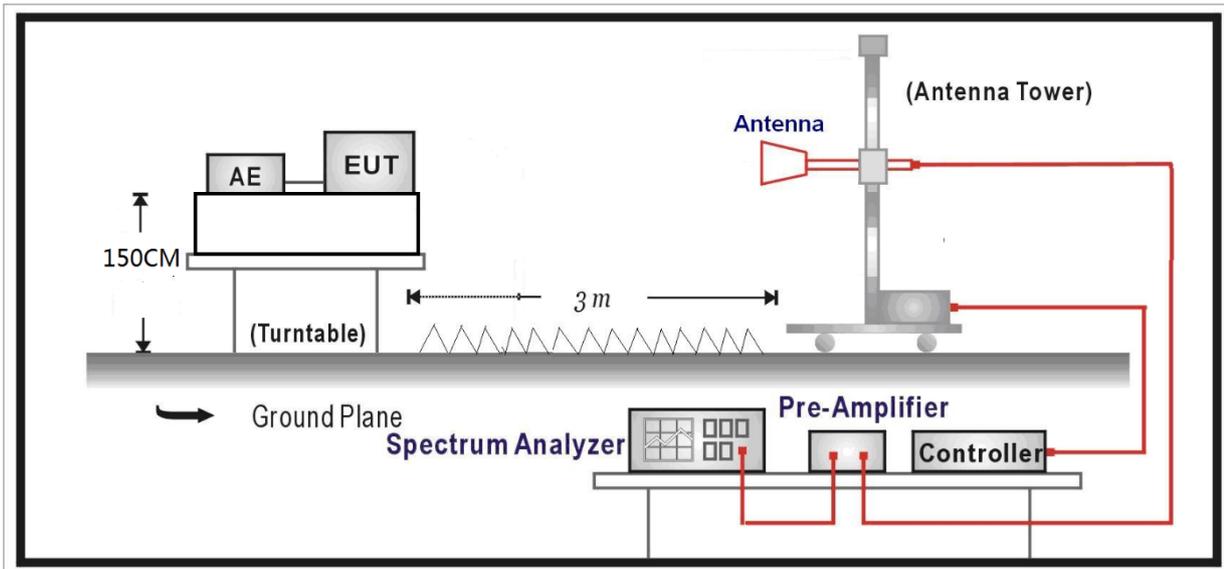
- 1.The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.
- 2.Only the worst case was shown in test report

**3.1.2 TEST SETUP**

Below 1GHz Test Setup:



Above 1GHz Test Setup:



**Note:** Above 1G is a directional antenna

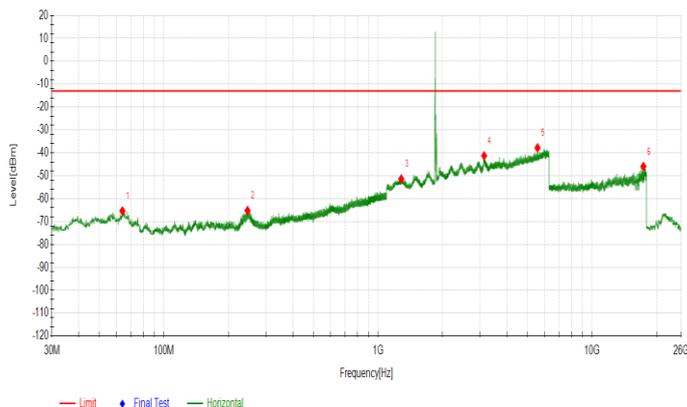
Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

### 3.1.3 TEST RESULTS THE WORST CASE DATA

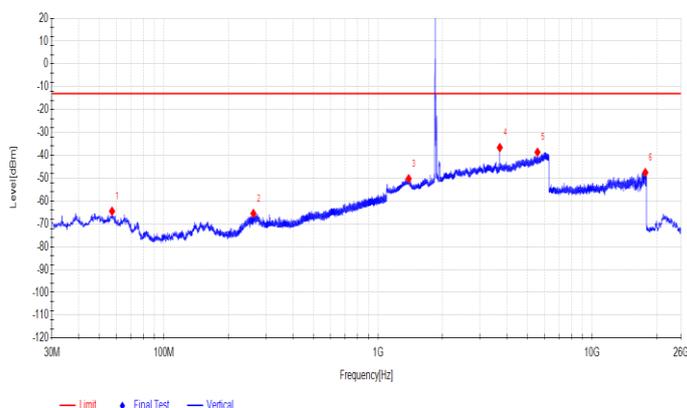
Test Mode	GSM1900	Channel	CH 661				
<b>Horizontal</b>							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	66.1696	-92.68	-66.66	-13.00	53.66	26.02	200
2	324.8145	-91.83	-66.94	-13.00	53.94	24.89	320
3	1271.4143	-64.62	-51.67	-13.00	38.67	12.95	110
4	3126.4026	-67.38	-42.31	-13.00	29.31	25.07	70
5	7852.7453	-70.98	-53.17	-13.00	40.17	17.81	50
6	17440.6841	-79.26	-46.38	-13.00	33.38	32.88	350
<b>Vertical</b>							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	56.8597	-93.30	-66.02	-13.00	53.02	27.28	252
2	257.0767	-88.15	-65.35	-13.00	52.35	22.80	221
3	1388.4777	-64.08	-50.21	-13.00	37.21	13.87	344
4	3700.6601	-60.29	-37.52	-13.00	24.52	22.77	205
5	6256.4356	-65.67	-37.67	-13.00	24.67	28.00	83
6	17746.0846	-78.91	-47.10	-13.00	34.10	31.81	215
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBm) = Reading (dBm) + Factor (dB). 3. Margin(dB) = Limit[dBm] - Level [dBm]							

<b>Test Mode</b>	LTE B2-QPSK-20MHz	<b>Channel</b>	CH 18700
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**Horizontal**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	63.9224	-91.53	-65.39	-13.00	52.39	26.14	189
2	245.5196	-87.35	-65.19	-13.00	52.19	22.16	219
3	1282.8166	-64.47	-51.40	-13.00	38.40	13.07	219
4	3128.0528	-66.55	-41.27	-13.00	28.27	25.28	55
5	5553.4653	-64.10	-37.80	-13.00	24.80	26.30	236
6	17348.2448	-78.98	-45.94	-13.00	32.94	33.04	94

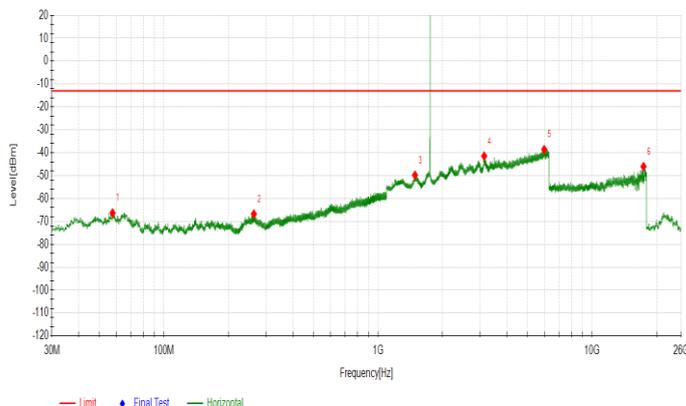


**Vertical**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	57.1807	-91.69	-64.45	-13.00	51.45	27.24	97
2	261.5712	-88.54	-65.46	-13.00	52.46	23.08	221
3	1388.8578	-64.11	-50.24	-13.00	37.24	13.87	360
4	3701.9802	-59.33	-36.58	-13.00	23.58	22.75	205
5	5553.1353	-64.37	-38.63	-13.00	25.63	25.74	205
6	17709.8110	-79.62	-47.52	-13.00	34.52	32.10	154

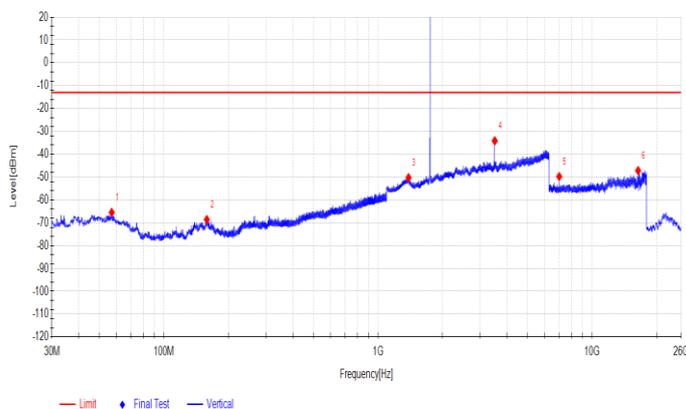
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.  
 2. Level (dBm) = Reading (dBm) + Factor (dB).  
 3. Margin(dB) = Limit[dBm] - Level [dBm]

<b>Test Mode</b>	LTE B4-QPSK-1.4MHz	<b>Channel</b>	CH 20393
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**Horizontal**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	57.5018	-93.35	-66.30	-13.00	53.30	27.05	139
2	262.8553	-90.03	-66.76	-13.00	53.76	23.27	170
3	1487.2975	-63.91	-49.77	-13.00	36.77	14.14	263
4	3130.0330	-67.01	-41.48	-13.00	28.48	25.53	64
5	5970.2970	-66.66	-38.56	-13.00	25.56	28.10	186
6	17372.8173	-78.41	-46.03	-13.00	33.03	32.38	83

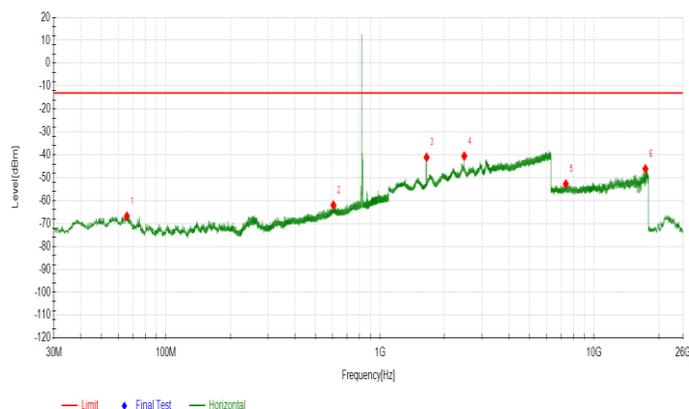


**Vertical**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	56.9667	-92.74	-65.48	-13.00	52.48	27.26	278
2	158.4128	-93.49	-68.59	-13.00	55.59	24.90	360
3	1387.7175	-64.15	-50.28	-13.00	37.28	13.87	308
4	3507.5908	-56.30	-34.12	-13.00	21.12	22.18	263
5	7014.9415	-66.28	-49.76	-13.00	36.76	16.52	189
6	16387.5788	-77.51	-47.17	-13.00	34.17	30.34	350

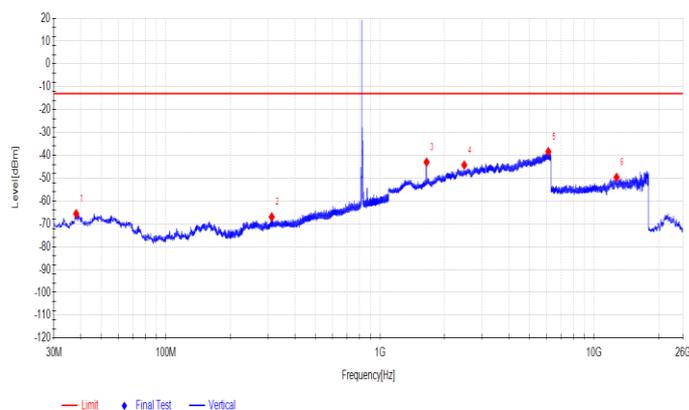
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.  
 2. Level (dBm) = Reading (dBm) + Factor (dB).  
 3. Margin(dB) = Limit[dBm] - Level [dBm]

<b>Test Mode</b>	LTE B5-QPSK-5MHz	<b>Channel</b>	CH 20425
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**Horizontal**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	65.6346	-92.98	-66.78	-13.00	53.78	26.20	34
2	605.2895	-92.46	-61.95	-13.00	48.95	30.51	34
3	1648.8298	-53.78	-41.08	-13.00	28.08	12.70	66
4	2473.2146	-59.92	-40.53	-13.00	27.53	19.39	252
5	7375.3375	-70.55	-52.70	-13.00	39.70	17.85	338
6	17349.4149	-79.34	-46.07	-13.00	33.07	33.27	360

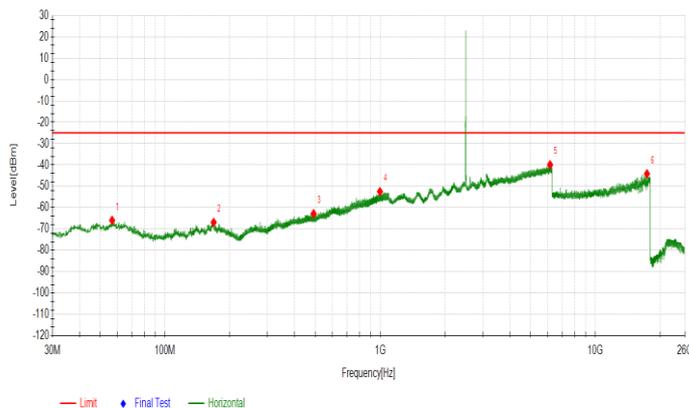


**Vertical**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	38.0258	-92.00	-65.56	-13.00	52.56	26.44	288
2	311.7592	-91.69	-66.98	-13.00	53.98	24.71	288
3	1648.4497	-56.56	-42.99	-13.00	29.99	13.57	67
4	2472.8346	-61.69	-44.24	-13.00	31.24	17.45	257
5	6104.9505	-66.49	-38.38	-13.00	25.38	28.11	105
6	12725.1125	-72.43	-49.62	-13.00	36.62	22.81	320

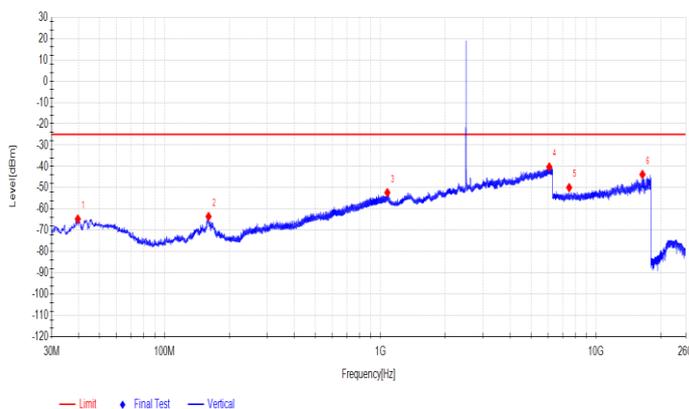
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.  
 2. Level (dBm) = Reading (dBm) + Factor (dB).  
 3. Margin(dB) = Limit[dBm] - Level [dBm]

<b>Test Mode</b>	LTE B7-QPSK-20MHz	<b>Channel</b>	CH 21100
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**Horizontal**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	56.7527	-93.65	-65.93	-25.00	40.93	27.72	143
2	168.2578	-92.42	-66.87	-25.00	41.87	25.55	234
3	489.9320	-92.78	-62.81	-25.00	37.81	29.97	173
4	996.1996	-91.17	-52.46	-25.00	27.46	38.71	357
5	6150.4951	-60.26	-39.91	-25.00	14.91	20.35	255
6	17355.2655	-79.02	-44.14	-25.00	19.14	34.88	38

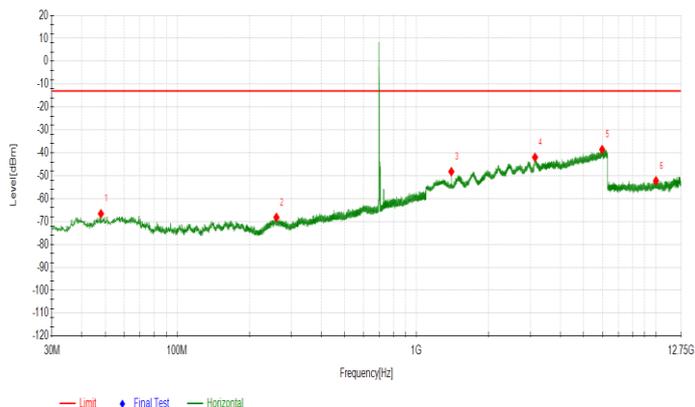


**Vertical**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.6310	-91.91	-64.68	-25.00	39.68	27.23	142
2	159.9110	-89.80	-63.49	-25.00	38.49	26.31	172
3	1077.6348	-91.38	-52.26	-25.00	27.26	39.12	172
4	6065.3465	-60.74	-40.26	-25.00	15.26	20.48	130
5	7500.5401	-68.25	-49.91	-25.00	24.91	18.34	230
6	16395.7696	-77.55	-43.77	-25.00	18.77	33.78	357

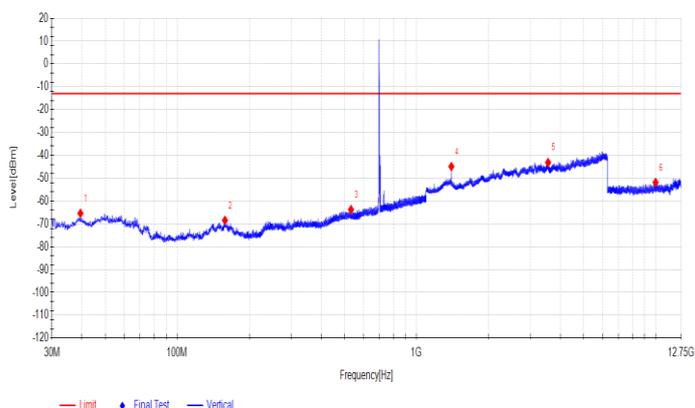
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.  
 2. Level (dBm) = Reading (dBm) + Factor (dB).  
 3. Margin(dB) = Limit[dBm] - Level [dBm]

<b>Test Mode</b>	LTE B12-QPSK-5MHz	<b>Channel</b>	CH 23035
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**Horizontal**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	47.9778	-92.96	-66.60	-13.00	53.60	26.36	156
2	259.7520	-91.31	-68.17	-13.00	55.17	23.14	217
3	1398.3597	-59.27	-48.20	-13.00	35.20	11.07	360
4	3128.7129	-67.30	-41.94	-13.00	28.94	25.36	0
5	5970.9571	-66.66	-38.56	-13.00	25.56	28.10	357
6	10017.5068	-71.81	-52.22	-13.00	39.22	19.59	276

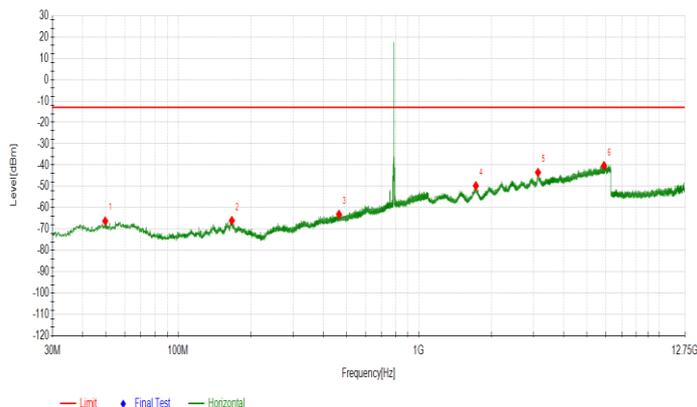


**Vertical**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.4169	-92.10	-65.39	-13.00	52.39	26.71	98
2	158.3058	-93.34	-68.45	-13.00	55.45	24.89	3
3	532.5223	-92.13	-63.74	-13.00	50.74	28.39	284
4	1398.7397	-58.42	-44.90	-13.00	31.90	13.52	222
5	3547.5248	-66.24	-43.13	-13.00	30.13	23.11	234
6	9980.7381	-71.33	-51.85	-13.00	38.85	19.48	32

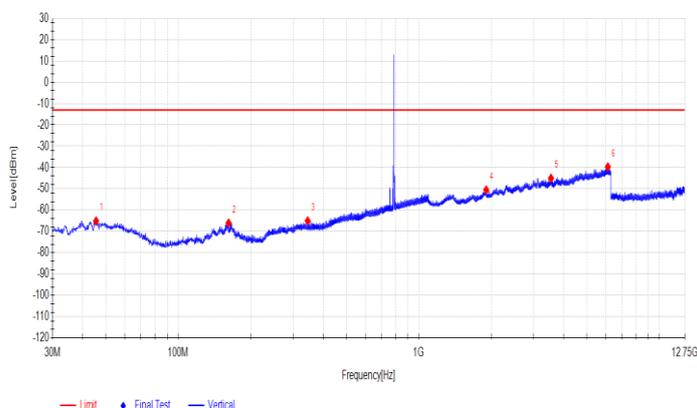
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.  
 2. Level (dBm) = Reading (dBm) + Factor (dB).  
 3. Margin(dB) = Limit[dBm] - Level [dBm]

<b>Test Mode</b>	LTE B13-QPSK-5MHz	<b>Channel</b>	CH 23305
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**Horizontal**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	49.6900	-93.15	-66.23	-13.00	53.23	26.92	264
2	166.9737	-91.30	-66.00	-13.00	53.00	25.30	19
3	465.7476	-93.03	-63.05	-13.00	50.05	29.98	264
4	1725.2250	-57.30	-49.73	-13.00	36.73	7.57	234
5	3128.0528	-60.05	-43.47	-13.00	30.47	16.58	185
6	5884.8185	-60.17	-40.30	-13.00	27.30	19.87	307

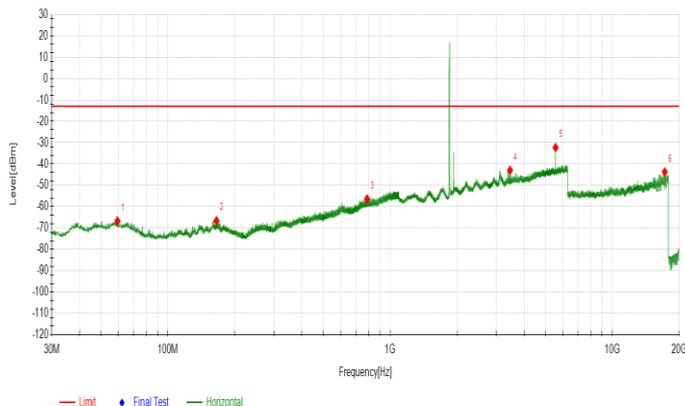


**Vertical**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	45.5166	-92.06	-65.08	-13.00	52.08	26.98	3
2	161.8372	-91.55	-66.06	-13.00	53.06	25.49	125
3	345.0395	-92.15	-65.03	-13.00	52.03	27.12	187
4	1904.6209	-57.66	-50.52	-13.00	37.52	7.14	360
5	3541.2541	-59.05	-45.03	-13.00	32.03	14.02	84
6	6104.9505	-60.24	-39.71	-13.00	26.71	20.53	176

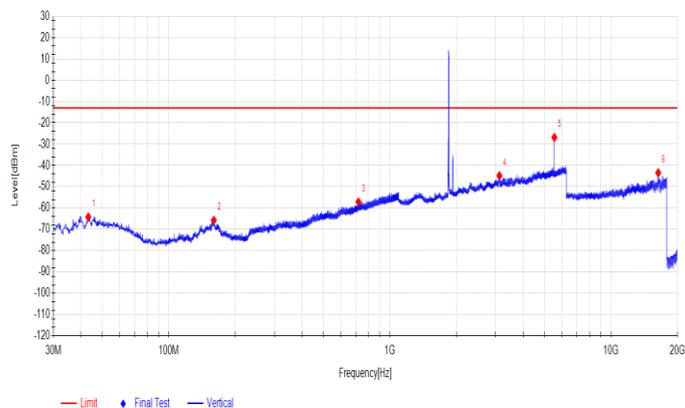
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.  
 2. Level (dBm) = Reading (dBm) + Factor (dB).  
 3. Margin(dB) = Limit[dBm] - Level [dBm]

<b>Test Mode</b>	LTE B25-QPSK-5MHz	<b>Channel</b>	CH 26665
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**Horizontal**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	59.2139	-94.20	-66.73	-13.00	53.73	27.47	169
2	165.2615	-91.31	-66.59	-13.00	53.59	24.72	106
3	787.6358	-92.24	-56.38	-13.00	43.38	35.86	357
4	3466.9967	-55.98	-42.94	-13.00	29.94	13.04	276
5	5556.4356	-51.22	-32.31	-13.00	19.31	18.91	3
6	17224.2124	-77.41	-43.71	-13.00	30.71	33.70	237

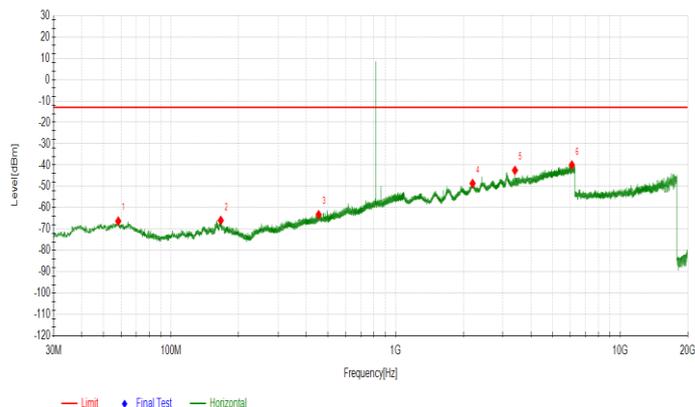


**Vertical**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	43.1623	-90.00	-64.18	-13.00	51.18	25.82	326
2	159.5900	-92.11	-65.71	-13.00	52.71	26.40	200
3	720.7541	-92.04	-57.12	-13.00	44.12	34.92	200
4	3129.3729	-60.23	-44.82	-13.00	31.82	15.41	158
5	5551.1551	-45.17	-26.87	-13.00	13.87	18.30	280
6	16384.0684	-77.32	-43.43	-13.00	30.43	33.89	262

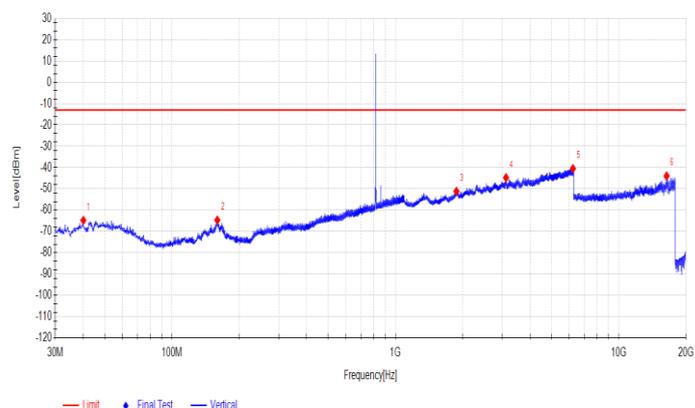
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.  
 2. Level (dBm) = Reading (dBm) + Factor (dB).  
 3. Margin(dB) = Limit[dBm] - Level [dBm]

<b>Test Mode</b>	LTE B26-QPSK-5MHz	<b>Channel</b>	CH 26740
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**Horizontal**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	58.1438	-93.97	-66.24	-13.00	53.24	27.73	305
2	166.4386	-91.02	-65.90	-13.00	52.90	25.12	93
3	454.1904	-93.04	-63.22	-13.00	50.22	29.82	305
4	2202.2204	-59.16	-48.60	-13.00	35.60	10.56	244
5	3400.6601	-55.77	-42.46	-13.00	29.46	13.31	202
6	6099.3399	-59.71	-39.96	-13.00	26.96	19.75	172

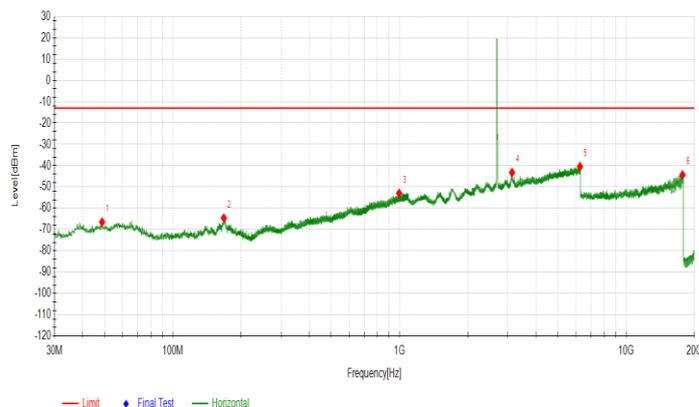


**Vertical**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	40.0590	-91.91	-64.78	-13.00	51.78	27.13	175
2	159.4829	-91.07	-64.67	-13.00	51.67	26.40	113
3	1876.8754	-58.45	-51.16	-13.00	38.16	7.29	0
4	3128.7129	-60.10	-44.78	-13.00	31.78	15.32	98
5	6240.5941	-60.51	-40.51	-13.00	27.51	20.00	161
6	16391.0891	-78.43	-43.97	-13.00	30.97	34.46	262

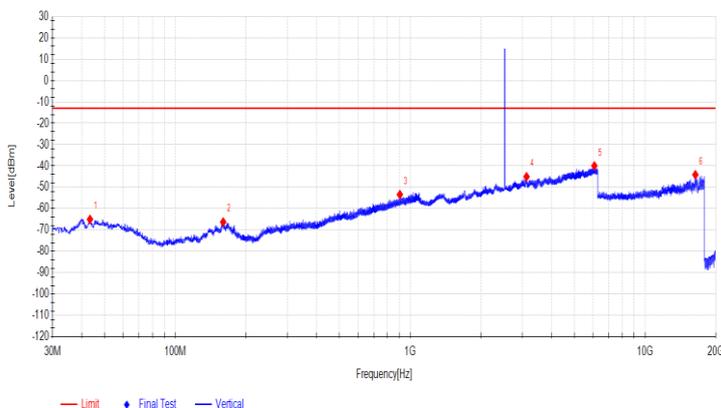
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.  
 2. Level (dBm) = Reading (dBm) + Factor (dB).  
 3. Margin(dB) = Limit[dBm] - Level [dBm]

<b>Test Mode</b>	LTE B38-QPSK-5MHz	<b>Channel</b>	CH 38000
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**Horizontal**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	48.6199	-93.43	-66.42	-13.00	53.42	27.01	65
2	167.6158	-90.08	-64.56	-13.00	51.56	25.52	3
3	995.7716	-91.70	-52.98	-13.00	39.98	38.72	3
4	3137.2937	-59.60	-43.20	-13.00	30.20	16.40	168
5	6263.0363	-60.50	-40.43	-13.00	27.43	20.07	200
6	17735.5536	-78.47	-44.32	-13.00	31.32	34.15	353

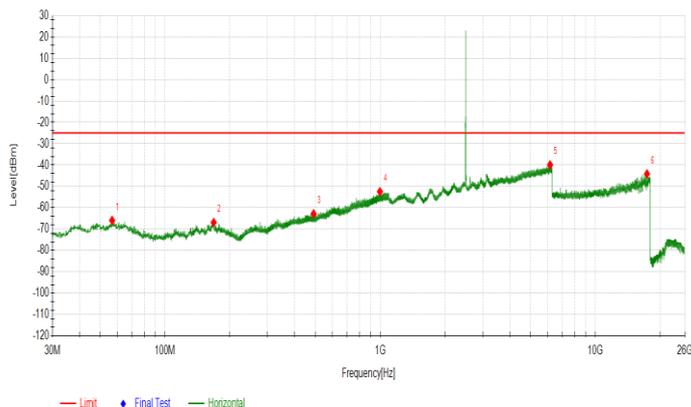


**Vertical**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	43.2693	-90.81	-64.99	-13.00	51.99	25.82	112
2	159.8040	-92.58	-66.24	-13.00	53.24	26.34	143
3	903.7424	-90.68	-53.39	-13.00	40.39	37.29	296
4	3130.3630	-60.49	-45.04	-13.00	32.04	15.45	258
5	6088.4488	-60.60	-39.95	-13.00	26.95	20.65	353
6	16392.2592	-78.40	-44.11	-13.00	31.11	34.29	12

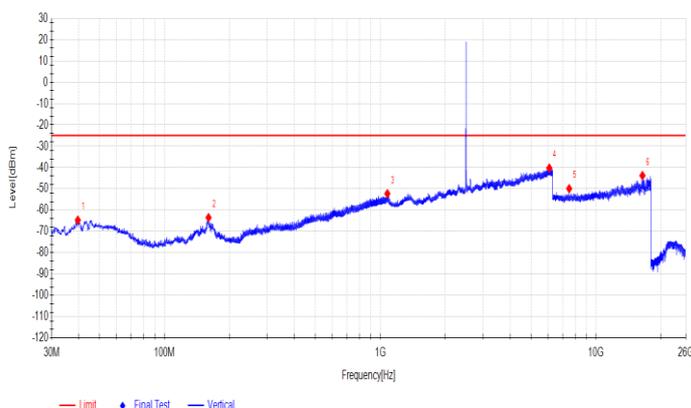
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.  
 2. Level (dBm) = Reading (dBm) + Factor (dB).  
 3. Margin(dB) = Limit[dBm] - Level [dBm]

<b>Test Mode</b>	LTE B41-QPSK-15MHz	<b>Channel</b>	CH 40620
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**Horizontal**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	56.7527	-93.65	-65.93	-25.00	40.93	27.72	143
2	168.2578	-92.42	-66.87	-25.00	41.87	25.55	234
3	489.9320	-92.78	-62.81	-25.00	37.81	29.97	173
4	996.1996	-91.17	-52.46	-25.00	27.46	38.71	357
5	6150.4951	-60.26	-39.91	-25.00	14.91	20.35	255
6	17355.2655	-79.02	-44.14	-25.00	19.14	34.88	38



**Vertical**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.6310	-91.91	-64.68	-25.00	39.68	27.23	142
2	159.9110	-89.80	-63.49	-25.00	38.49	26.31	172
3	1077.6348	-91.38	-52.26	-25.00	27.26	39.12	172
4	6065.3465	-60.74	-40.26	-25.00	15.26	20.48	130
5	7500.5401	-68.25	-49.91	-25.00	24.91	18.34	230
6	16395.7696	-77.55	-43.77	-25.00	18.77	33.78	357

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.  
 2. Level (dBm) = Reading (dBm) + Factor (dB).  
 3. Margin(dB) = Limit[dBm] - Level [dBm]

### 3.2 Out power Measurement

#### 3.2.1 TEST PROCEDURES

Subclause 5.6 of Per KDB 971168 D01 Power Meas License Digital Systems v03r01 or subclause 5.2.5.5 of ANSI C63.26-2015, the relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$EIRP = P_T + G_T - LC, ERP = EIRP - 2.15\text{dBi}, \text{ where}$$

$P_T$  = transmitter output power dBm;

$G_T$  = gain of the transmitting antenna dBi;

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

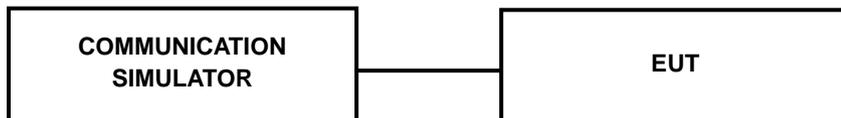
Conducted Power Measurement:

The EUT was set up for the maximum power with LTE link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

#### 3.2.2 TEST SETUP

EIRP / ERP Measurement:

CONDUCTED POWER MEASUREMENT:



**3.2.3 TEST RESULTS**

EIRP Power(*Unit: Watts)	
Band	LTE Band 2
GT(dBi)	4.6
LC(dB)	0.5
BW(MHz)	1.4
RB	3#1
Mod	QPSK
Channel	Hig
Conducted Power(dBm)	23.38
Conducted Power(Watts)	0.218
EIRP (dBm)	27.98
EIRP (Watts)	0.628

**Note:** 1.The verification power result is passed.  
 2.Only display the maximum value.

EIRP Power(*Unit: Watts)	
Band	LTE Band 4
GT(dBi)	4.6
LC(dB)	0.5
BW(MHz)	1.4
RB	3#3
MOD	QPSK
Channel	Low
Conducted Power(dBm)	23.44
Conducted Power(Watts)	0.221
EIRP (dBm)	28.04
EIRP (Watts)	0.637

**Note:** 1.The verification power result is passed.  
 2.Only display the maximum value.

ERP Power(*Unit: Watts)	
Band	LTE Band 5
GT(dBi)	1.5
LC(dB)	0.5
BW(MHz)	3
RB	1#0
MOD	QPSK
Channel	Low
Conducted Power(dBm)	23.33
Conducted Power(Watts)	0.215
ERP (dBm)	22.68
ERP (Watts)	0.185

**Note:** 1.The verification power result is passed.  
 2.Only display the maximum value.

EIRP Power(*Unit: Watts)	
Band	LTE Band 7
GT(dBi)	3.6
LC(dB)	0.5
BW(MHz)	15
RB	1#38
MOD	QPSK
Channel	Low
Conducted Power(dBm)	23.42
Conducted Power(Watts)	0.220
EIRP (dBm)	27.02
EIRP (Watts)	0.504

**Note:** 1.The verification power result is passed.

2.Only display the maximum value.

ERP Power(*Unit: Watts)	
Band	LTE Band 12
GT(dBi)	1.9
LC(dB)	0.5
BW(MHz)	1.4
RB	3#3
MOD	QPSK
Channel	Mid
Conducted Power(dBm)	23.42
Conducted Power(Watts)	0.220
ERP (dBm)	23.17
ERP (Watts)	0.207

**Note:** 1.The verification power result is passed.

2.Only display the maximum value.

ERP Power(*Unit: Watts)	
Band	LTE Band 13
GT(dBi)	1.9
LC(dB)	0.5
BW(MHz)	5
RB	1#12
MOD	QPSK
Channel	Mid
Conducted Power(dBm)	23.83
Conducted Power(Watts)	0.242
ERP (dBm)	23.58
ERP (Watts)	0.228

**Note:** 1.The verification power result is passed.  
 2.Only display the maximum value.

EIRP Power(*Unit: Watts)	
Band	LTE Band 25
GT(dBi)	4.6
LC(dB)	0.5
BW(MHz)	1.4
RB	3#3
MOD	QPSK
Channel	Low
Conducted Power(dBm)	23.64
Conducted Power(Watts)	0.231
EIRP (dBm)	28.24
EIRP (Watts)	0.667

**Note:** 1.The verification power result is passed.  
 2.Only display the maximum value.

ERP Power(*Unit: Watts)	
Band	LTE Band 26
GT(dBi)	1.5
LC(dB)	0.5
BW(MHz)	5
RB	1#0
MOD	QPSK
Channel	Low
Conducted Power(dBm)	23.52
Conducted Power(Watts)	0.225
ERP (dBm)	22.87
ERP (Watts)	0.194

**Note:** 1.The verification power result is passed.

2.Only display the maximum value.

EIRP Power(*Unit: Watts)	
Band	LTE Band 38
GT(dBi)	3.6
LC(dB)	0.5
BW(MHz)	5
RB	1#0
MOD	QPSK
Channel	Mid
Conducted Power(dBm)	23.41
Conducted Power(Watts)	0.219
EIRP (dBm)	27.01
EIRP (Watts)	0.502

**Note:** 1.The verification power result is passed.

2.Only display the maximum value.

EIRP Power(*Unit: Watts)	
Band	LTE Band 41
GT(dBi)	3.6
LC(dB)	0.5
BW(MHz)	5
RB	1#0
MOD	QPSK
Channel	Low
Conducted Power(dBm)	23.47
Conducted Power(Watts)	0.222
EIRP (dBm)	27.07
EIRP (Watts)	0.509

**Note:** 1.The verification power result is passed.  
 2.Only display the maximum value.

## 4 PHOTOGRAPHS OF TEST SETUP

Please refer to the attached file (Test Setup Photo).

----- End of the Report -----

# Important

1. The test report is invalid without the official stamp of CVC;
2. Any part photocopies of the test report are forbidden without the written permission from CVC;
3. The test report is invalid without the signatures of Author and Reviewer;
4. The test report is invalid if altered;
5. Objections to the test report must be submitted to CVC within 15 days;
6. Generally, commission test is responsible for the tested samples only;
7. As for the test result, “—” or “N/A” means “not applicable”, “ / ” means “not testing”, “P” means “pass” and “F” means “fail”.

*\*\*The test data and test results given in this test report should only be used for purposes of scientific research, teaching and internal quality control when the CMA symbol is not presented.\*\**

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