No.:
FCCSZ2025-0042-RF3

TEST REPORT

FCC ID	:	**2ADUBROAMWIFI5GPRO**
NAME OF SAMPLE	:	**5G wireless route**
APPLICANT	:	**Tianjin RoamWiFi Technology Co.,Ltd**
CLASSIFICATION OF TEST	:	**N/A**

CVC Testing Technology (Shenzhen) Co., Ltd.

Applicant	Tianjin RoamWiFi Technology Co.,Ltd
Address	2018 Zhong Tian Road , Block 16 Unit 429, Ready built office, Tianjin Eco-city, Tianjin China

Manufacturer	Tianjin RoamWiFi Technology Co.,Ltd
Address	2018 Zhong Tian Road , Block 16 Unit 429, Ready built office, Tianjin Eco-city, Tianjin China
Product Name	5G wireless route
Brand Name	ROAMWIFI
Model Name	ROAMWIFI 5G Pro
Additional Model	N/A
Date of Receipt.	May 19, 2025
Date of testing	May 19, 2025 ~ Aug. 22, 2025
Sample No.	202505194716-1 for Conduction 202505194716-2 for Radiation
Standard(s)	**FCC 47 CFR Part 2,22,24,27,90** **ANSI/TIA-603-E, ANSI C63.26-2015**
CONCLUSION:	The equipment under test was found to comply with the requirements of the standard(s) applied. Seal of CVC **Issue Date: Aug. 22, 2025**

Compiled by: Zhu Yulin	Reviewed by: Mo Xianbiao	Approved by: Dong Sanbi
Signature: Zhu Yulin	Signature: Mo Xianbiao	Signature:

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCCSZ2025-0042-RF3	Original release	Aug. 22, 2025

1 SUMMARY OF TEST RESULTS

1.1 LTE BAND 2/ LTE BAND 25/ WCDMA B2

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	Annex A of FCCSZ2025-0042-RF3-A1&A9&A18	Report Only
§24.232(c)	Equivalent Isotropic Radiated Power	EIRP < 2Watt	Annex A of FCCSZ2025-0042-RF3-A1&A9&A18	PASS
§2.1049	Occupied Bandwidth	---	Annex C of FCCSZ2025-0042-RF3-A1&A9&A18	Report Only
---	Peak-to-Average Power Ratio	<13 dB	Annex B of FCCSZ2025-0042-RF3-A1&A9&A18	PASS
§2.1055 24.235	Frequency Stability	Within authorized bands of operation/frequency block.	Annex F of FCCSZ2025-0042-RF3-A1&A9&A18	PASS
§2.1051 §24.238(a)	Band Edge Compliance	< 43+10log10(P[Watts])	Annex D of FCCSZ2025-0042-RF3-A1&A9&A18	PASS
§2.1051 §24.238(a)	Conducted Spurious Emission	< 43+10log10(P[Watts])	Annex E of FFCCSZ2025-0042-RF3-A1&A9&A18	PASS
§2.1051 §24.238(a)	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

1.2 LTE BAND 4/ LTE BAND 66/ WCDMA B4

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	Annex A of FCCSZ2025-0042-RF3-A2&A14&A18	Report Only
§27.50(d)(4)	Equivalent Isotropic Radiated Power	EIRP < 1Watt	Annex A of FCCSZ2025-0042-RF3-A2&A14&A18	PASS
§2.1049	Occupied Bandwidth	---	Annex C of FCCSZ2025-0042-RF3-A2&A14&A18	Report Only
---	Peak-to-Average Power Ratio	<13 dB	Annex B of FCCSZ2025-0042-RF3-A2&A14&A18	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	Annex F of FCCSZ2025-0042-RF3-A2&A14&A18	PASS
§2.1051 §27.53(h)	Band Edge Compliance	< 43+10log10(P[Watts])	Annex D of FCCSZ2025-0042-RF3-A2&A14&A18	PASS
§2.1051 §27.53(h)	Conducted Spurious Emission	< 43+10log10(P[Watts])	Annex E of FCCSZ2025-0042-RF3-A2&A14&A18	PASS
§2.1051 §27.53(h)	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

1.3 LTE BAND 5/ WCDMA B5

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	Annex A of FCCSZ2025-0042-RF3-A3&A18	Report Only
§22.913(a)(5)	Equivalent Radiated Power	EIRP < 7Watt	Annex A of FCCSZ2025-0042-RF3-A3&A18	PASS
§2.1049	Occupied Bandwidth	---	Annex C of FCCSZ2025-0042-RF3-A3&A18	Report Only
---	Peak-to-Average Power Ratio	<13 dB	Annex B of FCCSZ2025-0042-RF3-A3&A18	PASS
§2.1055 §22.355	Frequency Stability	< 2.5 ppm	Annex F of FCCSZ2025-0042-RF3-A3&A18	PASS
§2.1051 §22.917	Band Edge Compliance	< 43+10log10(P[Watts])	Annex D of FCCSZ2025-0042-RF3-A3&A18	PASS
§2.1051 §22.917	Conducted Spurious Emission	< 43+10log10(P[Watts])	Annex E of FCCSZ2025-0042-RF3-A3&A18	PASS
§2.1051 §22.917	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

1.4 LTE BAND 7/ LTE BAND 38/ LTE BAND 41

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	Annex A of FCCSZ2025-0042-RF3-A4&A13	Report Only
§27.50(h)(2)	Equivalent Isotropic Radiated Power	EIRP < 2Watt	Annex A of FCCSZ2025-0042-RF3-A4&A13	PASS
§2.1049	Occupied Bandwidth	>1MHz	Annex C of FCCSZ2025-0042-RF3-A4&A13	PASS
---	Peak-to-Average Power Ratio	<13 dB	Annex B of FCCSZ2025-0042-RF3-A4&A13	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	Annex F of FCCSZ2025-0042-RF3-A4&A13	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 log10 p from the channel edges to 5 MHz away (ii) 43 + 10 log10 p between 5 MHz and X MHz from the channel edges, and (iii) 55 + 10 log10 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 log10 p at or below 2490.5 MHz	Annex D of FCCSZ2025-0042-RF3-A4&A13	PASS
§2.1051 §27.53(m4)	Conducted Spurious Emission		Annex E of FCCSZ2025-0042-RF3-A4&A13	PASS
§2.1051 §27.53(m4)	Radiates Spurious Emission		See section 3.1	PASS

1.5 LTE BAND 12/ LTE BAND 17/ LTE BAND 71

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	Annex A of FCCSZ2025-0042-RF3-A5&A8&A15	Report Only
§27.50(c)(10)	Effective Radiated Power	ERP < 3Watt	Annex A of FCCSZ2025-0042-RF3-A5&A8&A15	PASS
§2.1049	Occupied Bandwidth	---	Annex C of FCCSZ2025-0042-RF3-A5&A8&A15	Report Only
---	Peak-to-Average Power Ratio	<13 dB	Annex B of FCCSZ2025-0042-RF3-A5&A8&A15	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	Annex F of FCCSZ2025-0042-RF3-A5&A8&A15	PASS
§2.1051 §27.53(g)	Band Edge Compliance	< 43+10log10(P[Watts])	Annex D of FCCSZ2025-0042-RF3-A5&A8&A15	PASS
§2.1051 §27.53(g)	Conducted Spurious Emission	< 43+10log10(P[Watts])	Annex E of FCCSZ2025-0042-RF3-A5&A8&A15	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	---	Annex A of FCCSZ2025-0042-RF3-A6	Report Only
§27.50(c)(10)	Effective Radiated Power	ERP < 3Watt	Annex A of FCCSZ2025-0042-RF3-A6	PASS
§2.1049	Occupied Bandwidth	---	Annex C of FCCSZ2025-0042-RF3-A6	Report Only
---	Peak-to-Average Power Ratio	<13 dB	Annex B of FCCSZ2025-0042-RF3-A6	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	Annex F of FCCSZ2025-0042-RF3-A6	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 + 10log10(P[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 log10 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.	Annex D of FCCSZ2025-0042-RF3-A6	PASS
§2.1051 §27.53(c) §27.53(f)	Conducted Spurious Emission		Annex E of FCCSZ2025-0042-RF3-A6	PASS
§2.1051 §27.53(c) §27.53(f)	Radiates Spurious Emission		See section 3.1	PASS

1.7 LTE BAND 14

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	Annex A of FCCSZ2025-0042-RF3-A7	Report Only
§90.542(d)	Effective Radiated Power	ERP < 3Watt	Annex A of FCCSZ2025-0042-RF3-A7	PASS
§2.1049	Occupied Bandwidth	---	Annex C of FCCSZ2025-0042-RF3-A7	Report Only
---	Peak-to-Average Power Ratio	<13 dB	Annex B of FCCSZ2025-0042-RF3-A7	PASS
§2.1055 §90.213	Frequency Stability	Within authorized bands of operation/frequency block	Annex F of FCCSZ2025-0042-RF3-A7	PASS
§2.1051 §90.543 (e)(2)(3)	Band Edge Compliance	(1) For any frequency between 769-775 MHz and 799-806 MHz 65 + 10 log (p), dB in a 6.25 kHz band for mobile and portable/hand-held equipment (2) For any frequency between 775-788 MHz, above 806 MHz, and below 758 MHz: 43 + 10 log (p), dB in a bandwidth of 100 kHz or greater	Annex D of FCCSZ2025-0042-RF3-A7	PASS
§2.1051 §90.543(c) §90.543(f)	Conducted Spurious Emission	For operations in the 758 – 775 MHz and 788 – 805 MHz bands, all emissions including harmonics in the band 1559 – 1610 MHz shall be limited to -70 dBW/ MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.	Annex E of FCCSZ2025-0042-RF3-A7	PASS
§2.1051 §90.543(c) §90.543(f)	Radiates Spurious Emission		See section 3.1	PASS

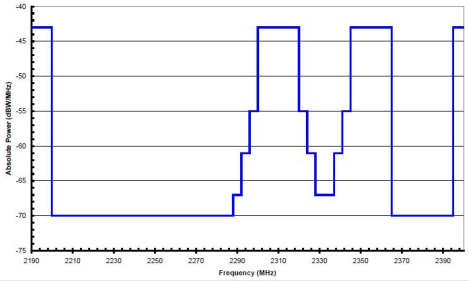
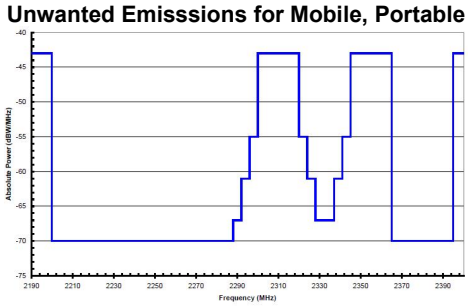
1.8 LTE BAND B26 (814~824MHz)

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	Annex A of FCCSZ2025-0042-RF3-A10	Report Only
§90.635(b)	Equivalent Radiated Power	ERP < 100Watt	Annex A of FCCSZ2025-0042-RF3-A10	PASS
§2.1049	Occupied Bandwidth	---	Annex C of FCCSZ2025-0042-RF3-A10	Report Only
---	Peak-to-Average Power Ratio	<13 dB	Annex B of FCCSZ2025-0042-RF3-A10	PASS
§2.1055 §90.213	Frequency Stability	Within authorized bands of operation/frequency block.	Annex F of FCCSZ2025-0042-RF3-A10	PASS
§2.1051 §90.691	Band Edge Compliance	< 43+10log10(P[Watts])	Annex D of FCCSZ2025-0042-RF3-A10	PASS
§2.1051 §90.691	Conducted Spurious Emission	< 43+10log10(P[Watts])	Annex E of FCCSZ2025-0042-RF3-A10	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	---	Annex A of FCCSZ2025-0042-RF3-A11	Report Only
§27.50(d)(4)	Equivalent Isotropic Radiated Power	EIRP < 1Watt	Annex A of FCCSZ2025-0042-RF3-A11	PASS
§2.1049	Occupied Bandwidth	---	Annex C of FCCSZ2025-0042-RF3-A11	Report Only
---	Peak-to-Average Power Ratio	<13 dB	Annex B of FCCSZ2025-0042-RF3-A11	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	Annex F of FCCSZ2025-0042-RF3-A11	PASS
§2.1051 §27.53(h)	Band Edge Compliance	< 43+10log10(P[Watts])	Annex D of FCCSZ2025-0042-RF3-A11	PASS
§2.1051 §27.53(h)	Conducted Spurious Emission	< 43+10log10(P[Watts])	Annex E of FCCSZ2025-0042-RF3-A11	PASS
§2.1051 §27.53(h)	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

1.10 LTE BAND 30/ LTE BAND 40

FCC PART SECTION	TEST TYPE AND LIMIT	LIMIT	Report Section	RESULT
§2.1046	Conducted power output	---	Annex A of FCCSZ2025-0042-RF3-A12&A16	Report Only
§27.50(a)(3)	Equivalent Isotropic Radiated Power	EIRP < 0.25Watt	Annex A of FCCSZ2025-0042-RF3-A12&A16	PASS
§2.1049	Occupied Bandwidth	---	Annex C of FCCSZ2025-0042-RF3-A12&A16	Report Only
---	Peak-to-Average Power Ratio	<13 dB	Annex B of FCCSZ2025-0042-RF3-A12&A16	PASS
§2.1055 §27.54	Frequency Stability	Within authorized bands of operation/frequency block.	Annex F of FCCSZ2025-0042-RF3-A12&A16	PASS
§2.1051 §27.53(a)(4)	Band Edge Compliance	Unwanted Emisssions for Mobile, Portable 	Annex D of FCCSZ2025-0042-RF3-A12&A16	PASS
§2.1051 §27.53(a)(4)	Conducted Spurious Emission	Unwanted Emisssions for Mobile, Portable 	Annex E of FCCSZ2025-0042-RF3-A12&A16	PASS
§2.1051 §27.53(a)(4)	Radiates Spurious Emission	< 43+10log10(P[Watts])	See section 3.1	PASS

2 GENERAL INFORMATION

2.1 GENERAL PRODUCT INFORMATION

PRODUCT NAME	5G wireless route			
BRAND NAME	ROAMWIFI			
MODEL NAME	ROAMWIFI 5G Pro			
ADDITIONAL MODEL	N/A			
MODEL DIFFERENCES	N/A			
POWER SUPPLY	1. DC 3.85V (1*3.85V Polymer Li-ion battery) 2. DC 9V From Adapter			
POWER CLASS FOR LTE	PC3			
MODULATION TYPE	WCDMA	BPSK, QPSK		
	LTE	QPSK,16QAM		
OPERATING FREQUENCY AND MAXIMUM OUTPUT POWER	Band	TX(MHz)	RX(MHz)	Maximum Output Power to Antenna (dBm)
	WCDMA B2	1850 ~ 1910	1930 ~ 1990	26.52
	WCDMA B4	1710 ~ 1755	2110 ~ 2155	23.10
	WCDMA B5	824 ~ 849	869 ~ 894	22.15
	LTE B2	1850 ~ 1910	1930 ~ 1990	23.94
	LTE B4	1710 ~ 1755	2110 ~ 2155	22.77
	LTE B5	824 ~ 849	869 ~ 894	24.29
	LTE B7	2500 ~ 2570	2620 ~ 2690	23.71
	LTE B12	699 ~ 716	729 ~ 746	24.25
	LTE B13	777 ~ 787	746 ~ 756	24.32
	LTE B14	788 ~ 798	758 ~ 768	24.22
	LTE B17	704 ~ 716	734 ~ 746	24.63
	LTE B25	1850 ~ 1915	1930 ~ 1995	23.81
	LTE B26	814 ~ 824	859 ~ 869	24.16
		824 ~ 849	869 ~ 894	24.26
	LTE B30	2305 ~ 2315	2305 ~ 2315	23.68
	LTE B38	2570 ~ 2620	2570 ~ 2620	23.89
	LTE B40	2305 ~ 2315	2305 ~ 2315	23.19
		2350 ~ 2360	2350 ~ 2360	23.68
	LTE B41	2496 ~ 2690	2496 ~ 2690	23.81
	LTE B66	1710 ~ 1780	2110 ~ 2180	22.77
	LTE B71	665.5 ~ 695.5	619.5 ~ 649.5	24.59
ANTENNA TYPE (Remark 3)	See section 2.3			
HARDWARE VERSION:	V1.3			
SOFTWARE VERSION:	QDC533SAXFU56_BP01.004V09_Android13.0.0.01.004V09			
I/O PORTS	Refer to User's Manual.			

Remark:

1. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. 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.

2.2 DESCRIPTION OF ACCESSORIES

N/A

2.3 ANTENNA TYPE AND GAIN

Mode	Band	TX(MHz)	RX(MHz)	Antenna Type	Antenna	Antenna Gain
WCDMA	WCDMA B2	1850 ~ 1910	1930 ~ 1990	FPC Antenna	ANT0	1.65
	WCDMA B4	1710 ~ 1755	2110 ~ 2155	FPC Antenna	ANT0	0.85
	WCDMA B5	824 ~ 849	869 ~ 894	FPC Antenna	ANT0	0.07
LTE	LTE B2	1850 ~ 1910	1930 ~ 1990	FPC Antenna	ANT0	1.65
	LTE B4	1710 ~ 1755	2110 ~ 2155	FPC Antenna	ANT0	0.85
	LTE B5	824 ~ 849	869 ~ 894	FPC Antenna	ANT0	0.07
	LTE B7	2500 ~ 2570	2620 ~ 2690	FPC Antenna	ANT5	0.93
	LTE B12	699 ~ 716	729 ~ 746	FPC Antenna	ANT0	0.76
	LTE B13	777 ~ 787	746 ~ 756	FPC Antenna	ANT0	-1.45
	LTE B14	788 ~ 798	758 ~ 768	FPC Antenna	ANT0	-0.88
	LTE B17	704 ~ 716	734 ~ 746	FPC Antenna	ANT0	0.76
	LTE B25	1850 ~ 1915	1930 ~ 1995	FPC Antenna	ANT0	1.65
	LTE B26	814 ~ 824	859 ~ 869	FPC Antenna	ANT0	0.07
		824 ~ 849	869 ~ 894	FPC Antenna	ANT0	0.07
	LTE B30	2305 ~ 2315	2305 ~ 2315	FPC Antenna	ANT7	-0.87
	LTE B38	2570 ~ 2620	2570 ~ 2620	FPC Antenna	ANT5	0.64
	LTE B40	2305 ~ 2315	2305 ~ 2315	FPC Antenna	ANT5	0.74
		2350 ~ 2360	2350 ~ 2360	FPC Antenna	ANT5	0.74
	LTE B41	2496 ~ 2690	2496 ~ 2690	FPC Antenna	ANT5	1.12
	LTE B66	1710 ~ 1780	2110 ~ 2180	FPC Antenna	ANT0	1.33
	LTE B71	665.5 ~ 695.5	619.5 ~ 649.5	FPC Antenna	ANT0	0.76

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 + Adapter + with WCDMA or LTE link

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

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
-	RF power output	4132 to 4233	9262, 9400, 9538	WCDMA Band 2
		1312 to 1513	1312,1413,1513	WCDMA Band 4
		9262 to 9538	4132, 4182, 4233	WCDMA Band 5
-	Equivalent Isotropic Radiated Power	4132 to 4233	9262, 9400, 9538	WCDMA Band 2
		1312 to 1513	1312,1413,1513	WCDMA Band 4
-	Effective Radiated Power	9262 to 9538	4132, 4182, 4233	WCDMA Band 5
-	Frequency Stability	4132 to 4233	9262, 9400, 9538	WCDMA Band 2
		1312 to 1513	1312,1413,1513	WCDMA Band 4
		9262 to 9538	4132, 4182, 4233	WCDMA Band 5
-	Occupied Bandwidth	4132 to 4233	9262, 9400, 9538	WCDMA Band 2
		1312 to 1513	1312,1413,1513	WCDMA Band 4
		9262 to 9538	4132, 4182, 4233	WCDMA Band 5
-	Band Edge Compliance	4132 to 4233	9262, 9400, 9538	WCDMA Band 2
		1312 to 1513	1312,1413,1513	WCDMA Band 4
		9262 to 9538	4132, 4182, 4233	WCDMA Band 5
-	Conducted Spurious Emission	4132 to 4233	9262, 9400, 9538	WCDMA Band 2
		1312 to 1513	1312,1413,1513	WCDMA Band 4
		9262 to 9538	4132, 4182, 4233	WCDMA Band 5
-	Radiates Spurious Emission	4132 to 4233	9262, 9400, 9538	WCDMA Band 2
		1312 to 1513	1312,1413,1513	WCDMA Band 4
		9262 to 9538	4132, 4182, 4233	WCDMA Band 5
-	Peak-to-Average Power Ratio	4132 to 4233	9262, 9400, 9538	WCDMA Band 2
		1312 to 1513	1312,1413,1513	WCDMA Band 4
		9262 to 9538	4132, 4182, 4233	WCDMA Band 5

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	O	O	O	O	O	O	O	O	-	O	O	O	O	O	O
	4	O	O	O	O	O	O	O	O	-	O	O	O	O	O	O
	5	O	O	O	O	-	-	O	O	-	O	O	O	O	O	O
	7	-	-	O	O	O	O	O	O	-	O	O	O	O	O	O
	12	O	O	O	O	-	-	O	O	-	O	O	O	O	O	O
	13	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	14	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	17	-	-	O	O	-	-	O	O	-	O	O	O	O	O	O
	25	O	O	O	O	O	O	O	O		O	O	O	O	O	O
	26	O	O	O	O	O	-	O	O		O	O	O	O	O	O
	30	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	38	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	40	-	-	O	O	O	O	O	O		O	O	O	O	O	O
	41	-	-	O	O	-	-	O	O	-	O	O	O	O	O	O
	66	O	O	O	O	O	O	O	O		O	O	O	O	O	O
	71	-	-	O	O	O	O	O	O		O	O	O	O	O	O

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
ERP/ EIRP (Note3)	2	O	O	O	O	O	O	O	O	-	O	O	O	O	O	O
	4	O	O	O	O	O	O	O	O	-	O	O	O	O	O	O
	5	O	O	O	O	-	-	O	O	-	O	O	O	O	O	O
	7	-	-	O	O	O	O	O	O	-	O	O	O	O	O	O
	12	O	O	O	O	-	-	O	O	-	O	O	O	O	O	O
	13	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	14	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	17	-	-	O	O	-	-	O	O	-	O	O	O	O	O	O
	25	O	O	O	O	O	O	O	O		O	O	O	O	O	O
	26	O	O	O	O	O	-	O	O		O	O	O	O	O	O
	30	-	-	O	O	-	-	O	O		O	O	O	O	O	O

	38	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	40	-	-	O	O	O	O	O	O		O	O	O	O	O	O
	41	-	-	O	O	-	-	O	O	-	O	O	O	O	O	O
	66	O	O	O	O	O	O	O	O		O	O	O	O	O	O
	71	-	-	O	O	O	O	O	O		O	O	O	O	O	O
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 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
Occupied Bandwidth	2	O	O	O	O	O	O	O	O	-	O	O	O	O	O	O
	4	O	O	O	O	O	O	O	O	-	O	O	O	O	O	O
	5	O	O	O	O	-	-	O	O	-	O	O	O	O	O	O
	7	-	-	O	O	O	O	O	O	-	O	O	O	O	O	O
	12	O	O	O	O	-	-	O	O	-	O	O	O	O	O	O
	13	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	14	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	17	-	-	O	O	-	-	O	O	-	O	O	O	O	O	O
	25	O	O	O	O	O	O	O	O		O	O	O	O	O	O
	26	O	O	O	O	O	-	O	O		O	O	O	O	O	O
	30	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	38	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	40	-	-	O	O	O	O	O	O		O	O	O	O	O	O
	41	-	-	O	O	-	-	O	O	-	O	O	O	O	O	O
	66	O	O	O	O	O	O	O	O		O	O	O	O	O	O
	71	-	-	O	O	O	O	O	O		O	O	O	O	O	O
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 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
Band Edge Compliance	2	O	O	O	O	O	O	O	O	-	O	O	O	O	O	O
	4	O	O	O	O	O	O	O	O	-	O	O	O	O	O	O
	5	O	O	O	O	-	-	O	O	-	O	O	O	O	O	O
	7	-	-	O	O	O	O	O	O	-	O	O	O	O	O	O
	12	O	O	O	O	-	-	O	O	-	O	O	O	O	O	O
	13	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	14	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	17	-	-	O	O	-	-	O	O	-	O	O	O	O	O	O
	25	O	O	O	O	O	O	O	O		O	O	O	O	O	O
	26	O	O	O	O	O	-	O	O		O	O	O	O	O	O
	30	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	38	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	40	-	-	O	O	O	O	O	O		O	O	O	O	O	O
	41	-	-	O	O	-	-	O	O	-	O	O	O	O	O	O
	66	O	O	O	O	O	O	O	O		O	O	O	O	O	O
	71	-	-	O	O	O	O	O	O		O	O	O	O	O	O
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 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
Peak-to-Average Power Ratio	2	O	O	O	O	O	O	O	O	-	O	O	O	O	O	O
	4	O	O	O	O	O	O	O	O	-	O	O	O	O	O	O
	5	O	O	O	O	-	-	O	O	-	O	O	O	O	O	O
	7	-	-	O	O	O	O	O	O	-	O	O	O	O	O	O
	12	O	O	O	O	-	-	O	O	-	O	O	O	O	O	O
	13	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	14	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	17	-	-	O	O	-	-	O	O	-	O	O	O	O	O	O
	25	O	O	O	O	O	O	O	O		O	O	O	O	O	O
	26	O	O	O	O	O	-	O	O		O	O	O	O	O	O
	30	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	38	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	40	-	-	O	O	O	O	O	O		O	O	O	O	O	O
	41	-	-	O	O	-	-	O	O	-	O	O	O	O	O	O
	66	O	O	O	O	O	O	O	O		O	O	O	O	O	O
	71	-	-	O	O	O	O	O	O		O	O	O	O	O	O
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 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
Frequency Stability	2	O	O	O	O	O	O	O	O	-	O	O	O	O	O	O
	4	O	O	O	O	O	O	O	O	-	O	O	O	O	O	O
	5	O	O	O	O	-	-	O	O	-	O	O	O	O	O	O
	7	-	-	O	O	O	O	O	O	-	O	O	O	O	O	O
	12	O	O	O	O	-	-	O	O	-	O	O	O	O	O	O
	13	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	14	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	17	-	-	O	O	-	-	O	O	-	O	O	O	O	O	O
	25	O	O	O	O	O	O	O	O		O	O	O	O	O	O
	26	O	O	O	O	O	-	O	O		O	O	O	O	O	O
	30	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	38	-	-	O	O	-	-	O	O		O	O	O	O	O	O
	40	-	-	O	O	O	O	O	O		O	O	O	O	O	O
	41	-	-	O	O	-	-	O	O	-	O	O	O	O	O	O
	66	O	O	O	O	O	O	O	O		O	O	O	O	O	O
	71	-	-	O	O	O	O	O	O		O	O	O	O	O	O
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 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
Conducted Spurious Emission	2	O	O	O	O	O	O	O	-	-	O	-	-	O	O	O
	4	O	O	O	O	O	O	O	-	-	O	-	-	O	O	O
	5	O	O	O	O	-	-	O	-	-	O	-	-	O	O	O
	7	-	-	O	O	O	O	O	-	-	O	-	-	O	O	O
	12	O	O	O	O	-	-	O	-	-	O	-	-	O	O	O
	13	-	-	O	O	-	-	O	-	-	O	-	-	O	O	O
	14	-	-	O	O	-	-	O	-	-	O	-	-	O	O	O
	17	-	-	O	O	-	-	O	-	-	O	-	-	O	O	O
	25	O	O	O	O	O	O	O	-	-	O	-	-	O	O	O
	26	O	O	O	O	O	-	O	-	-	O	-	-	O	O	O
	30	-	-	O	O	-	-	O	-	-	O	-	-	O	O	O
	38	-	-	O	O	-	-	O	-	-	O	-	-	O	O	O
	40	-	-	O	O	O	O	O	-	-	O	-	-	O	O	O
	41	-	-	O	O	-	-	O	-	-	O	-	-	O	O	O
	66	O	O	O	O	O	O	O	-	-	O	-	-	O	O	O
	71	-	-	O	O	O	O	O	-	-	O	-	-	O	O	O
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 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
Radiates Spurious Emission (Note3)	2	O	O	O	O	O	O	O	-	-	O	-	-	O	O	O
	4	O	O	O	O	O	O	O	-	-	O	-	-	O	O	O
	5	O	O	O	O	-	-	O	-	-	O	-	-	O	O	O
	7	-	-	O	O	O	O	O	-	-	O	-	-	O	O	O
	12	O	O	O	O	-	-	O	-	-	O	-	-	O	O	O
	13	-	-	O	O	-	-	O	-	-	O	-	-	O	O	O
	14	-	-	O	O	-	-	O	-	-	O	-	-	O	O	O
	17	-	-	O	O	-	-	O	-	-	O	-	-	O	O	O
	25	O	O	O	O	O	O	O	-	-	O	-	-	O	O	O
	26	O	O	O	O	O	-	O	-	-	O	-	-	O	O	O
	30	-	-	O	O	-	-	O	-	-	O	-	-	O	O	O
	38	-	-	O	O	-	-	O	-	-	O	-	-	O	O	O
	40	-	-	O	O	O	O	O	-	-	O	-	-	O	O	O
	41	-	-	O	O	-	-	O	-	-	O	-	-	O	O	O
	66	O	O	O	O	O	O	O	-	-	O	-	-	O	O	O
	71	-	-	O	O	O	O	O	-	-	O	-	-	O	O	O
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	25.6deg. C, 55%RH	DC 9V From Adapter	Zhu Yulin
Effective Radiated Power	25.6deg. C, 55%RH	DC 9V From Adapter	Zhu Yulin
Equivalent Isotropic Radiated Power	25.6deg. C, 55%RH	DC 9V From Adapter	Zhu Yulin
Frequency Stability	25.6deg. C, 55%RH	DC 9V From Adapter	Zhu Yulin
Occupied Bandwidth	25.6deg. C, 55%RH	DC 9V From Adapter	Zhu Yulin
Band Edge Compliance	25.6deg. C, 55%RH	DC 9V From Adapter	Zhu Yulin
Conducted Spurious Emission	25.6deg. C, 55%RH	DC 9V From Adapter	Zhu Yulin
Radiates Spurious Emission	25.6deg. C, 55%RH	DC 9V From Adapter	Liu Yuan
Peak-to-Average Power Ratio	25.6deg. C, 55%RH	DC 9V From Adapter	Zhu Yulin

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 22,24,27,90

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	Adapter	MAGCUBE	AOC-C012	N/A	Lab
2	Laptop	HP	Zhan 66 Pro	N/A	Lab

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 LIST OF TEST AND MEASUREMENT INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial Number	Cal. interval	Cal.Day	Cal. Due
Antenna Port Conducted Test (WWAN)						
Spectrum Analyzer	R&S	FSVA 3044	CS030004	1 year	2025/05/22	2026/05/21
Spectrum Analyzer	Prosund	SP926B	SP912322051	1 year	2024/08/27	2025/08/26
Comprehensive Test Instrument	R&S	CMW 500	CS0300012	1 year	2025/06/06	2026/06/05
Analog signal Generator	R&S	SMB 100A	CS0300016	1 year	2025/04/23	2026/04/22
Vector signal Generator	R&S	SMBV 100B	CS0300018	1 year	2025/04/23	2026/04/22
DC power supply	R&S	HMC8041-G	CS0300025	1 year	2025/04/23	2026/04/22
RF control unit(2/3/4/5G)	Tonscend	JS0806-1	CS0300027	1 year	2025/04/23	2026/04/22
Automatic filter bank(2/3/4G/5G)	Tonscend	JS0806-F	CS0300028	1 year	2025/04/23	2026/04/22
Digital multimeter	FLUKE	18B+	CS0200056	1 year	2025/05/22	2026/05/21
Power splitter	Anritsu	K240CPOWERDIVIDER	012334	1 year	2025/06/06	2026/06/05
Comprehensive Test Instrument	R&S	CMW 500	123970	1 year	2025/01/01	2025/12/31
#4Shielding room	MORI	443	CS0300010	3 year	2023/05/17	2026/05/16
Constant temperature humidity chamber	TEELONG	TL-HW-225B	20220518-01	1 year	2025/06/06	2026/06/05
4G Comprehensive Test Instrument	Anritsu	MT8821C	CS0300034	1 year	2025/01/08	2026/01/07
5G Comprehensive Test Instrument	Anritsu	MT8000A	CS0300035	1 year	2025/01/08	2026/01/07
Power splitter	Anritsu	K240CPOWERDIVIDER	012334	1 year	2025/06/06	2026/06/05
Radiation Spurious Test - 3M Chamber #2						
Spectrum Analyzer	R&S	FSV 40	CS030001	1 year	2025/04/23	2026/04/22
Spectrum Analyzer	R&S	FSVA 3044	CS030004	1 year	2025/05/22	2026/05/21
EMI Test Receiver	R&S	ESR3	CS0300005	1 year	2025/05/22	2026/05/21
Horn antenna(1GHz-18GHz)	ETS-Lindgren	3117	CS0300007	1 year	2025/03/29	2026/03/28
Horn antenna(18GHz-40GHz)	STEATITE	QMS-00880	CS0300008	1 year	2025/03/22	2026/03/21
Automatic control unit(RSE)	R&S	OSP220	CS0300019	1 year	2025/06/06	2026/06/05
Filter group(RSE-BT/WiFi)	R&S	WiFi/BT Variant 1	CS0300020	1 year	2025/04/23	2026/04/22
Filter group(RSE-Cellular)	R&S	Cellular Variant 1	CS0300021	1 year	2025/04/23	2026/04/22
Preamplifier(1GHz-18GHz)	R&S	SCU18F	CS0300031-1	1 year	2025/04/23	2026/04/22
Preamplifier(1GHz-18GHz)	R&S	SCU-18F	CS0300031	1 year	2025/04/23	2026/04/22
Comprehensive Test Instrument	R&S	CMW 500	CS0300033	1 year	2025/05/23	2026/05/22
Antenna(30MHz~1001MHz)	SCHWARZBECK	VULB9168	CS0200006	1 year	2025/01/23	2026/01/22
Preamplifier(1GHz-18GHz)	R&S	SCU-01F	CS0200042	1 year	2025/04/23	2026/04/22
Preamplifier(18GHz-40GHz)	R&S	SCU40A	CS0200045	1 year	2025/04/23	2026/04/22
Antenna tower	Max-Full	MFA-515DBSN	1308650	N/A	N/A	N/A
Attenuator	boyang	BY--N-2W-5dB	/	1 year	2025/01/23	2026/01/22
Temperature and humidity meter	yuhuaze	/	WK0001	1 year	2025/04/29	2026/04/28
#2 control room	MORI	433	CS0300028	3 year	2023/05/17	2026/05/16
3m anechoic chamber	MORI	966	CS0300011	3 year	2023/05/17	2026/05/16

Radiation Spurious Test - 3M Chamber #1						
EMI Test Receiver	Rohde&Schwarz	ESR 26	101718	1 year	2025/05/22	2026/05/21
Loop antenna（8.3k~30MHz）	Rohde&Schwarz	HFH2-Z2E	100951	1 year	2025/06/19	2026/06/18
Antenna(30MHz~1000MHz)	SCHWARZBECK	VULB 9168	1132	1 year	2025/02/28	2026/02/27
3m anechoic chamber	MORI	966	N/A	1 year	2025/05/19	2026/05/18
Preamplifier(10kHz-1GHz)	Rohde&Schwarz	SCU-01F	100298	1 year	2025/04/23	2026/04/22
Preamplifier(1GHz-18GHz)	Rohde&Schwarz	SCU-18F	100799	1 year	2025/04/23	2026/04/22
#1 control room	MORI	433	/	3year	2023/05/17	2026/05/16
Temperature and humidity meter	/	C193561473	C193561473	1 year	2025/04/29	2026/04/28

2.8 TEST LOCATION

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

Address: No. 1301-14&16, Guanguang Road, Xinlan Community, Guanlan Subdistrict, Longhua District, Shenzhen, Guangdong, China

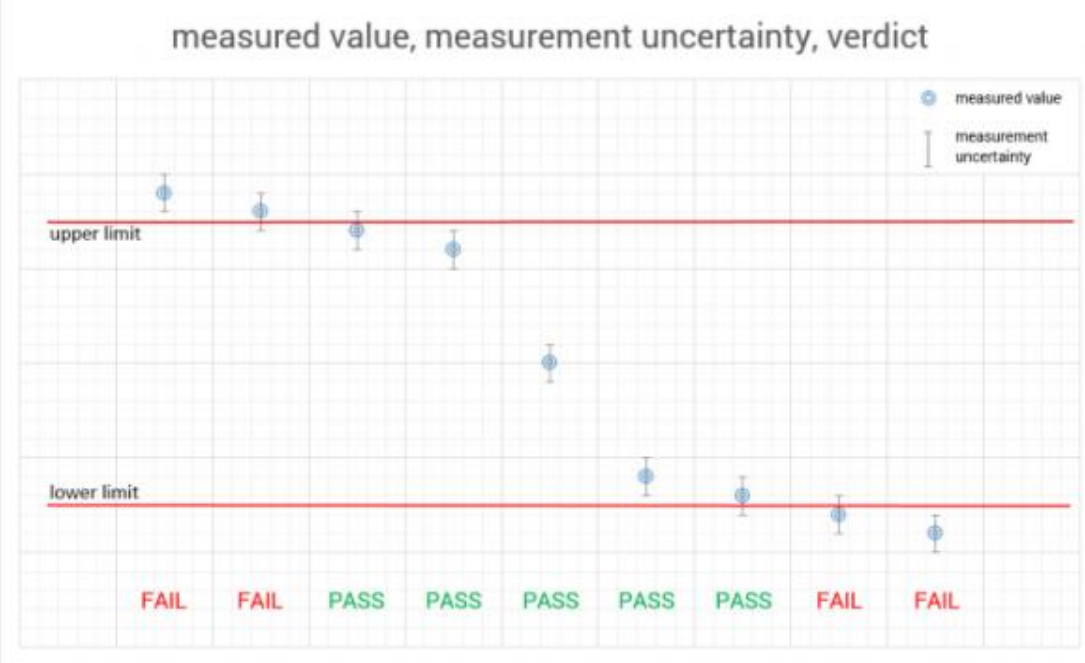
Post Code：518110 Tel：0755-23763060-8805
Fax：0755-23763060 E-mail：sz-kf@cvc.org.cn
FCC(Test firm designation number：CN1363)
IC(Test firm CAB identifier number：CN0137)
CNAS(Test firm designation number：L16091)

2.9 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	±1.86 %
2	RF output power, conducted	±0.9 dB
3	Power Spectral Density, conducted	±0.8 dB
4	Conducted emission test	+/-2.7 dB
5	Radiated emission 9kHz-30MHz	+/-5.6 dB
	Radiated emission 30MHz-1GHz	+/-4.6 dB
	Radiated emission 1GHz-18GHz	+/-4.4 dB
	Radiated emission 18GHz-40GHz	+/-5.1 dB
6	Temperature	±0.73 °C
7	Humidity	±3.90 %
8	Supply voltages	±0.37 %
9	Time	±0.27 %
Remark: 95% Confidence Levels, k=2.		

Only the measured values related to their corresponding limits will be used to decide whether the equipment under test meets the requirements of the test standards listed.
The measurement uncertainty is mentioned in this test report, but is not taken into account - neither to the limits nor to the measurement results. Measurement results with a smaller margin to the corresponding limits than the measurement uncertainty have a potential risk of more than 5% that the decision might be wrong.



3 TEST TYPES AND RESULTS

3.1 RADIATED EMISSION MEASUREMENT

3.6.1 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 cable loss + Antenna gain.

d. E.R.P(dBm) = E.I.P.R - 2.15dBi.

NOTE:

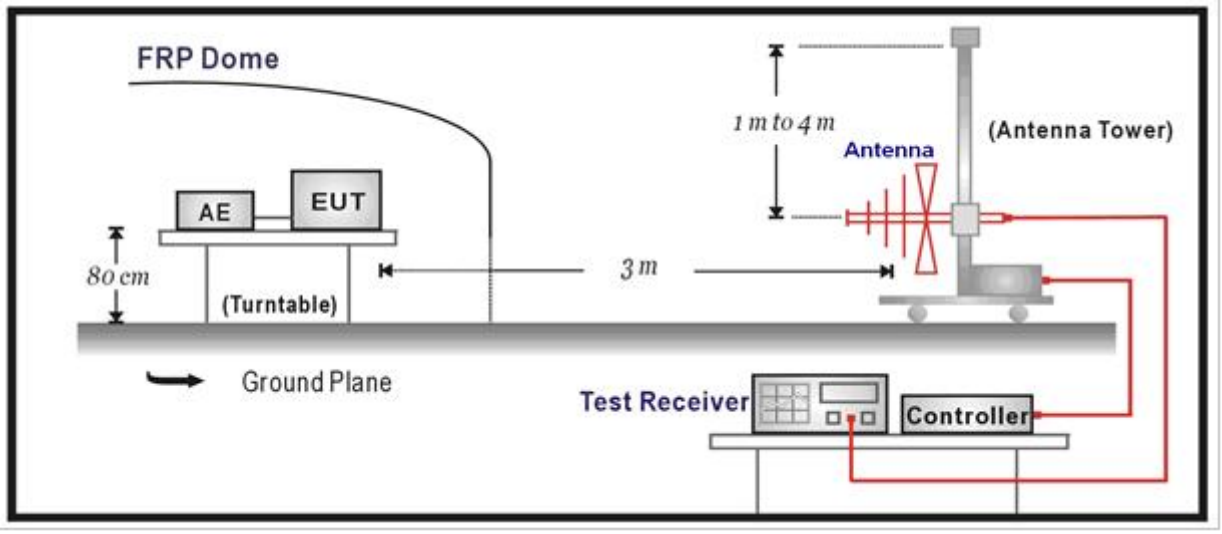
1.The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

2.Only the worst case was shown in test report

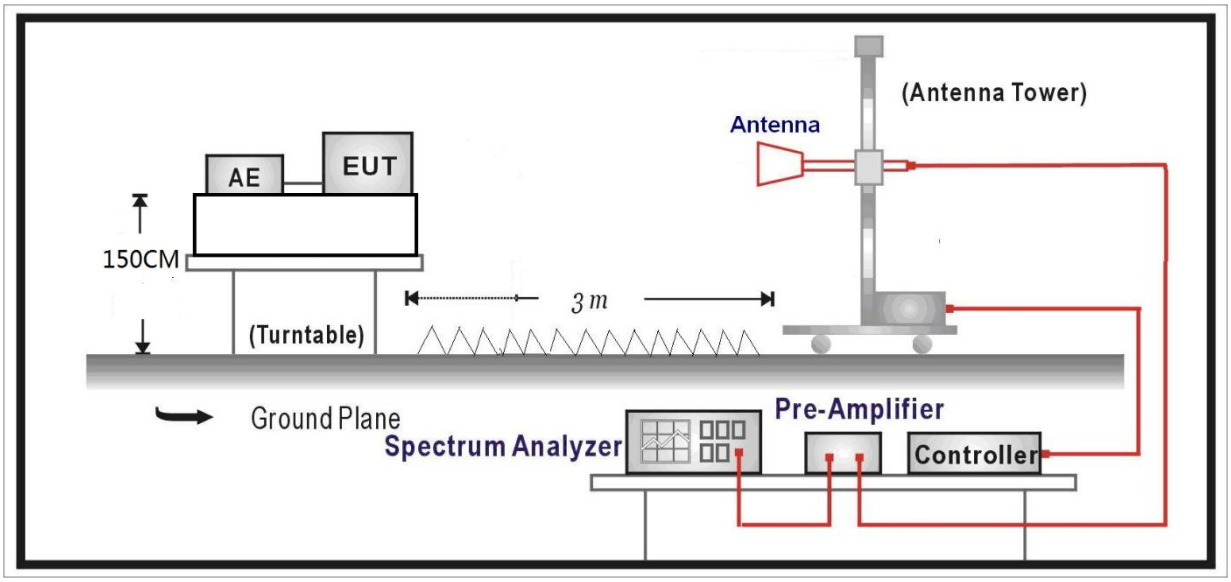
3.6.2 TEST SETUP

Test Setup step 1:

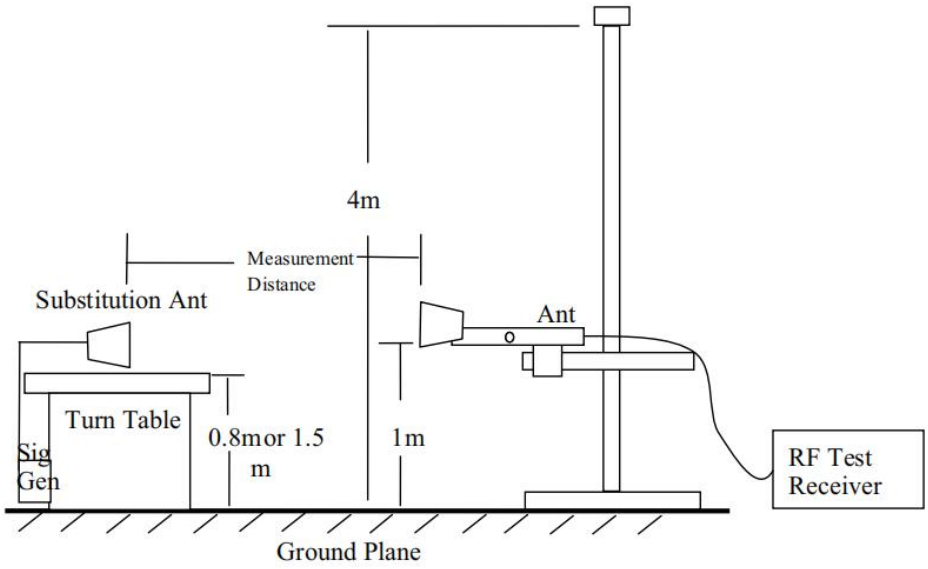
Below 1GHz Test Setup:



Above 1GHz Test Setup:



Test Setup step 2:



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).

3.6.3 TEST RESULTS - WCDMA

Test Mode	WCDMA(RMC) B2-CH 9262						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.524	-99.52	-72.98	-13.00	59.98	26.54	0
2	154.1324	-99.24	-74.22	-13.00	61.22	25.02	297
3	490.039	-97.57	-67.20	-13.00	54.20	30.37	297
4	6238.9439	-72.81	-52.83	-13.00	39.83	19.98	360
5	11984.4284	-83.59	-59.46	-13.00	46.46	24.13	0
6	15662.1062	-84.80	-55.47	-13.00	42.47	29.33	233
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	73.3393	-98.81	-76.57	-13.00	63.57	22.24	254
2	112.0772	-97.60	-76.91	-13.00	63.91	20.69	132
3	311.4381	-98.19	-71.60	-13.00	58.60	26.59	11
4	562.2712	-95.82	-64.18	-13.00	51.18	31.64	360
5	6066.6667	-70.39	-49.84	-13.00	36.84	20.55	0
6	17735.5536	-87.97	-53.78	-13.00	40.78	34.19	360

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	WCDMA(RMC) B2-CH 9400						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	47.2287	-98.61	-72.13	-13.00	59.13	26.48	176
2	259.645	-97.99	-73.02	-13.00	60.02	24.97	55
3	1082.1292	-97.02	-57.80	-13.00	44.80	39.22	357
4	3702.6403	-65.85	-51.27	-13.00	38.27	14.58	360
5	6238.9439	-71.31	-51.33	-13.00	38.33	19.98	360
6	17213.6814	-88.12	-55.29	-13.00	42.29	32.83	295
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	44.7675	-99.00	-72.53	-13.00	59.53	26.47	71
2	112.0772	-97.60	-76.91	-13.00	63.91	20.69	132
3	469.4929	-98.75	-68.41	-13.00	55.41	30.34	314
4	1099.572	-97.52	-58.06	-13.00	45.06	39.46	360
5	3702.9703	-66.64	-53.03	-13.00	40.03	13.61	234
6	6066.6667	-71.39	-50.84	-13.00	37.84	20.55	0

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	WCDMA(RMC) B2-CH 9538						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	55.0405	-98.71	-71.98	-13.00	58.98	26.73	116
2	136.7967	-98.63	-74.61	-13.00	61.61	24.02	55
3	440.279	-98.62	-69.69	-13.00	56.69	28.93	0
4	1057.8378	-96.67	-57.82	-13.00	44.82	38.85	176
5	5294.7195	-71.71	-53.33	-13.00	40.33	18.38	312
6	9963.6364	-81.76	-60.76	-13.00	47.76	21.00	52
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	45.0885	-100.43	-73.78	-13.00	60.78	26.65	360
2	139.9	-98.87	-75.23	-13.00	62.23	23.64	314
3	422.6223	-99.18	-70.57	-13.00	57.57	28.61	71
4	926.2146	-96.75	-59.58	-13.00	46.58	37.17	314
5	4619.4719	-70.44	-53.79	-13.00	40.79	16.65	295
6	11853.3753	-83.93	-60.52	-13.00	47.52	23.41	254

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	WCDMA(RMC) B4-CH 1312

Horizontal

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.524	-99.52	-72.98	-13.00	59.98	26.54	0
2	154.1324	-99.24	-74.22	-13.00	61.22	25.02	297
3	490.039	-97.57	-67.20	-13.00	54.20	30.37	297
4	6238.9439	-72.81	-52.83	-13.00	39.83	19.98	360
5	11984.4284	-83.59	-59.46	-13.00	46.46	24.13	0
6	15662.1062	-84.80	-55.47	-13.00	42.47	29.33	233

Vertical

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	73.3393	-98.81	-76.57	-13.00	63.57	22.24	254
2	112.0772	-97.60	-76.91	-13.00	63.91	20.69	132
3	311.4381	-98.19	-71.60	-13.00	58.60	26.59	11
4	562.2712	-95.82	-64.18	-13.00	51.18	31.64	360
5	6066.6667	-70.39	-49.84	-13.00	36.84	20.55	0
6	17735.5536	-87.97	-53.78	-13.00	40.78	34.19	360

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	WCDMA(RMC) B4-CH 1413						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	47.2287	-98.61	-72.13	-13.00	59.13	26.48	176
2	259.645	-97.99	-73.02	-13.00	60.02	24.97	55
3	1082.1292	-97.02	-57.80	-13.00	44.80	39.22	357
4	3702.6403	-65.85	-51.27	-13.00	38.27	14.58	360
5	6238.9439	-71.31	-51.33	-13.00	38.33	19.98	360
6	17213.6814	-88.12	-55.29	-13.00	42.29	32.83	295
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	44.7675	-99.00	-72.53	-13.00	59.53	26.47	71
2	112.0772	-97.60	-76.91	-13.00	63.91	20.69	132
3	469.4929	-98.75	-68.41	-13.00	55.41	30.34	314
4	1099.572	-97.52	-58.06	-13.00	45.06	39.46	360
5	3702.9703	-66.64	-53.03	-13.00	40.03	13.61	234
6	6066.6667	-71.39	-50.84	-13.00	37.84	20.55	0

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	WCDMA(RMC) B4-CH 1513						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	55.0405	-98.71	-71.98	-13.00	58.98	26.73	116
2	136.7967	-98.63	-74.61	-13.00	61.61	24.02	55
3	440.279	-98.62	-69.69	-13.00	56.69	28.93	0
4	1057.8378	-96.67	-57.82	-13.00	44.82	38.85	176
5	5294.7195	-71.71	-53.33	-13.00	40.33	18.38	312
6	9963.6364	-81.76	-60.76	-13.00	47.76	21.00	52
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	45.0885	-100.43	-73.78	-13.00	60.78	26.65	360
2	139.9	-98.87	-75.23	-13.00	62.23	23.64	314
3	422.6223	-99.18	-70.57	-13.00	57.57	28.61	71
4	926.2146	-96.75	-59.58	-13.00	46.58	37.17	314
5	4619.4719	-70.44	-53.79	-13.00	40.79	16.65	295
6	11853.3753	-83.93	-60.52	-13.00	47.52	23.41	254

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	WCDMA(RMC) B5-CH 4132						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	37.1697	-98.58	-73.41	-13.00	60.41	25.17	12
2	111.2211	-96.78	-74.31	-13.00	61.31	22.47	258
3	388.0578	-97.78	-69.24	-13.00	56.24	28.54	360
4	2524.0448	-70.23	-59.47	-13.00	46.47	10.76	134
5	6238.6277	-72.54	-52.66	-13.00	39.66	19.88	360
6	8566.1066	-81.31	-62.42	-13.00	49.42	18.89	51
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	57.0737	-98.28	-70.89	-13.00	57.89	27.39	135
2	106.0846	-98.87	-78.53	-13.00	65.53	20.34	360
3	159.3759	-99.81	-73.44	-13.00	60.44	26.37	360
4	257.1837	-98.77	-73.95	-13.00	60.95	24.82	320
5	2793.4587	-69.74	-58.44	-13.00	45.44	11.30	360
6	6027.4655	-73.45	-53.00	-13.00	40.00	20.45	320

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	WCDMA(RMC) B5-CH 4182						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	61.9962	-98.52	-71.21	-13.00	58.21	27.31	258
2	174.2504	-98.06	-73.31	-13.00	60.31	24.75	72
3	604.3264	-98.12	-65.53	-13.00	52.53	32.59	12
4	3433.1866	-70.91	-58.20	-13.00	45.20	12.71	197
5	4885.3171	-71.83	-53.77	-13.00	40.77	18.06	72
6	7321.3021	-81.08	-62.29	-13.00	49.29	18.79	113
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	40.9151	-97.71	-70.88	-13.00	57.88	26.83	197
2	86.0736	-98.67	-79.26	-13.00	66.26	19.41	260
3	441.3491	-98.57	-69.26	-13.00	56.26	29.31	74
4	643.0643	-99.28	-65.84	-13.00	52.84	33.44	197
5	2793.4587	-69.74	-58.44	-13.00	45.44	11.30	360
6	4169.6539	-72.10	-56.80	-13.00	43.80	15.30	74

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	WCDMA(RMC) B5-CH 4233						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	61.9962	-99.52	-72.21	-13.00	59.21	27.31	258
2	161.7302	-98.93	-73.45	-13.00	60.45	25.48	12
3	373.3973	-98.27	-70.59	-13.00	57.59	27.68	321
4	1082.0222	-97.46	-58.24	-13.00	45.24	39.22	197
5	1651.3103	-68.24	-64.36	-13.00	51.36	3.88	258
6	6238.6277	-72.54	-52.66	-13.00	39.66	19.88	360
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	47.0147	-99.81	-72.11	-13.00	59.11	27.70	320
2	159.3759	-98.31	-71.94	-13.00	58.94	26.37	360
3	470.028	-97.80	-67.44	-13.00	54.44	30.36	74
4	1096.2546	-97.42	-58.07	-13.00	45.07	39.35	12
5	5407.5015	-72.08	-53.44	-13.00	40.44	18.64	73
6	6027.4655	-72.45	-52.00	-13.00	39.00	20.45	320

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

3.6.4 TEST RESULTS - LTE

Test Mode	LTE B2-QPSK-5MHz-CH 18625-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	32.8893	-99.38	-75.28	-13.00	62.28	24.10	71
2	199.2909	-98.71	-75.81	-13.00	62.81	22.90	253
3	414.2754	-98.41	-69.67	-13.00	56.67	28.74	11
4	2497.1594	-64.61	-53.76	-13.00	40.76	10.85	71
5	4500	-70.41	-54.41	-13.00	41.41	16.00	111
6	15171.8272	-85.45	-58.30	-13.00	45.30	27.15	257
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	77.6198	-99.29	-78.44	-13.00	65.44	20.85	115
2	325.9916	-98.67	-71.77	-13.00	58.77	26.90	296
3	877.7388	-98.06	-61.40	-13.00	48.40	36.66	175
4	1269.894	-65.63	-62.53	-13.00	49.53	3.10	0
5	2748.3897	-65.64	-54.68	-13.00	41.68	10.96	54
6	11987.9388	-83.14	-59.59	-13.00	46.59	23.55	233

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B2-QPSK-5MHz-CH 18900-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	1077.7418	-97.25	-58.04	-13.00	45.04	39.21	131
2	1935.4071	-49.21	-43.17	-13.00	30.17	6.04	11
3	3701.9802	-61.54	-46.96	-13.00	33.96	14.58	357
4	5553.4653	-68.45	-49.68	-13.00	36.68	18.77	235
5	7403.4203	-70.08	-51.67	-13.00	38.67	18.41	133
6	9255.7156	-75.76	-55.99	-13.00	42.99	19.77	195
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	40.166	-99.64	-72.57	-13.00	59.57	27.07	0
2	161.0881	-99.07	-72.97	-13.00	59.97	26.10	115
3	1085.5536	-96.99	-57.85	-13.00	44.85	39.14	115
4	3701.9802	-62.04	-48.44	-13.00	35.44	13.60	259
5	7403.4203	-71.07	-52.56	-13.00	39.56	18.51	171
6	9254.5455	-78.37	-59.12	-13.00	46.12	19.25	47

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B2-QPSK-5MHz-CH 19175-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	60.498	-99.35	-71.92	-13.00	58.92	27.43	360
2	162.8003	-98.33	-72.92	-13.00	59.92	25.41	11
3	572.3302	-98.15	-66.12	-13.00	53.12	32.03	360
4	6245.5446	-71.40	-51.39	-13.00	38.39	20.01	173
5	11876.7777	-83.09	-59.06	-13.00	46.06	24.03	257
6	15348.5149	-85.21	-57.42	-13.00	44.42	27.79	11
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	66.1696	-100.35	-75.16	-13.00	62.16	25.19	175
2	235.8886	-98.80	-75.02	-13.00	62.02	23.78	296
3	729.3149	-98.20	-63.39	-13.00	50.39	34.81	115
4	1085.5536	-96.99	-57.85	-13.00	44.85	39.14	115
5	6056.4356	-71.19	-50.67	-13.00	37.67	20.52	197
6	15670.297	-85.97	-56.38	-13.00	43.38	29.59	109

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B4-QPSK-5MHz-CH 19975-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	107.6898	-99.02	-76.72	-13.00	63.72	22.30	237
2	183.7744	-98.56	-74.47	-13.00	61.47	24.09	237
3	581.4261	-97.20	-64.95	-13.00	51.95	32.25	0
4	888.2258	-97.42	-60.97	-13.00	47.97	36.45	175
5	4470.6271	-71.19	-55.32	-13.00	42.32	15.87	135
6	11187.5788	-83.24	-61.16	-13.00	48.16	22.08	0
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	121.4941	-98.92	-77.40	-13.00	64.40	21.52	72
2	339.4749	-98.11	-71.18	-13.00	58.18	26.93	72
3	936.0596	-97.09	-59.84	-13.00	46.84	37.25	254
4	2788.6777	-65.16	-53.87	-13.00	40.87	11.29	132
5	4673.2673	-70.94	-54.25	-13.00	41.25	16.69	357
6	9964.8065	-82.04	-60.80	-13.00	47.80	21.24	360

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B4-QPSK-5MHz-CH 20175-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	64.6715	-99.37	-72.27	-13.00	59.27	27.10	115
2	160.9811	-98.67	-73.15	-13.00	60.15	25.52	297
3	1069.1809	-97.10	-58.00	-13.00	45.00	39.10	237
4	3471.9472	-66.87	-53.27	-13.00	40.27	13.60	135
5	6943.5644	-76.32	-58.63	-13.00	45.63	17.69	49
6	8680.018	-74.59	-55.59	-13.00	42.59	19.00	173
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	48.5129	-99.76	-71.34	-13.00	58.34	28.42	192
2	162.3722	-98.40	-72.55	-13.00	59.55	25.85	11
3	1099.3579	-96.81	-57.36	-13.00	44.36	39.45	360
4	3472.2772	-66.05	-53.10	-13.00	40.10	12.95	295
5	6943.5644	-77.02	-59.43	-13.00	46.43	17.59	72
6	8680.018	-76.24	-57.03	-13.00	44.03	19.21	256

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B4-QPSK-5MHz-CH 20375-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	84.3614	-99.12	-77.30	-13.00	64.30	21.82	237
2	232.8923	-98.75	-75.74	-13.00	62.74	23.01	357
3	419.947	-98.08	-69.32	-13.00	56.32	28.76	175
4	1296.4993	-65.80	-61.63	-13.00	48.63	4.17	297
5	6238.2838	-72.04	-52.06	-13.00	39.06	19.98	360
6	13589.829	-85.12	-58.59	-13.00	45.59	26.53	233
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	90.6751	-98.86	-79.51	-13.00	66.51	19.35	254
2	184.9515	-98.44	-76.25	-13.00	63.25	22.19	192
3	554.8875	-98.13	-66.57	-13.00	53.57	31.56	11
4	1478.1756	-65.77	-62.47	-13.00	49.47	3.30	11
5	5208.2508	-71.05	-52.88	-13.00	39.88	18.17	171
6	11935.2835	-83.36	-59.69	-13.00	46.69	23.67	318

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B5-QPSK-5MHz-CH 20425-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	31.7122	-99.36	-75.39	-13.00	62.39	23.97	0
2	129.4129	-99.63	-75.69	-13.00	62.69	23.94	0
3	263.4974	-98.70	-73.55	-13.00	60.55	25.15	357
4	531.8802	-98.31	-67.14	-13.00	54.14	31.17	114
5	1473.4347	-69.50	-65.66	-13.00	52.66	3.84	52
6	4171.7343	-71.23	-56.35	-13.00	43.35	14.88	297
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	74.5165	-100.11	-78.25	-13.00	65.25	21.86	50
2	329.737	-98.90	-71.99	-13.00	58.99	26.91	294
3	668.2118	-98.38	-64.51	-13.00	51.51	33.87	0
4	2056.9914	-69.95	-62.09	-13.00	49.09	7.86	50
5	5445.9892	-72.42	-53.60	-13.00	40.60	18.82	111
6	7671.7272	-81.25	-62.21	-13.00	49.21	19.04	12

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B5-QPSK-5MHz-CH 20525-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	66.9187	-98.68	-72.26	-13.00	59.26	26.42	52
2	160.232	-99.47	-73.90	-13.00	60.90	25.57	357
3	386.3456	-98.06	-69.61	-13.00	56.61	28.45	52
4	1061.5832	-96.97	-58.07	-13.00	45.07	38.90	297
5	3328.1256	-70.20	-57.85	-13.00	44.85	12.35	114
6	6142.9286	-72.18	-52.63	-13.00	39.63	19.55	236
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.524	-98.70	-71.53	-13.00	58.53	27.17	111
2	161.3021	-99.01	-72.94	-13.00	59.94	26.07	111
3	583.4593	-97.33	-65.41	-13.00	52.41	31.92	294
4	1087.0517	-97.41	-58.26	-13.00	45.26	39.15	0
5	3595.4591	-71.00	-58.42	-13.00	45.42	12.58	234
6	6054.5109	-72.32	-51.87	-13.00	38.87	20.45	50

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B5-QPSK-5MHz-CH 20625-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	59.1069	-98.98	-71.45	-13.00	58.45	27.53	135
2	148.0328	-99.20	-74.84	-13.00	61.84	24.36	75
3	266.2796	-97.70	-72.60	-13.00	59.60	25.10	360
4	2550.05	-69.51	-58.83	-13.00	45.83	10.68	135
5	4884.2769	-71.93	-53.87	-13.00	40.87	18.06	360
6	7313.1613	-80.32	-61.49	-13.00	48.49	18.83	177
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.4169	-99.02	-71.92	-13.00	58.92	27.10	70
2	148.3538	-100.62	-75.96	-13.00	62.96	24.66	133
3	411.6002	-98.99	-70.89	-13.00	57.89	28.10	316
4	2231.7463	-69.35	-60.62	-13.00	47.62	8.73	196
5	6024.3449	-73.01	-52.57	-13.00	39.57	20.44	360
6	9608.1308	-81.36	-61.58	-13.00	48.58	19.78	0

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B7-QPSK-5MHz-CH 20775-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	41.2361	-99.19	-73.26	-13.00	60.26	25.93	114
2	83.9334	-99.40	-77.54	-13.00	64.54	21.86	297
3	197.4717	-99.08	-76.02	-13.00	63.02	23.06	297
4	702.1342	-98.26	-64.45	-13.00	51.45	33.81	297
5	2247.3495	-70.48	-60.68	-13.00	47.68	9.80	114
6	5559.3719	-72.51	-53.81	-13.00	40.81	18.70	0
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	60.7121	-99.79	-72.91	-13.00	59.91	26.88	0
2	226.1506	-98.87	-76.45	-13.00	63.45	22.42	294
3	423.2643	-98.81	-70.18	-13.00	57.18	28.63	234
4	1347.5695	-69.08	-66.06	-13.00	53.06	3.02	357
5	2540.6881	-70.23	-60.84	-13.00	47.84	9.39	50
6	4967.4935	-71.85	-54.64	-13.00	41.64	17.21	294

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B7-QPSK-5MHz-CH 21100-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	45.7306	-99.65	-73.87	-25.00	48.87	25.78	277
2	468.3158	-98.81	-68.95	-25.00	43.95	29.86	360
3	4961.0561	-70.82	-52.64	-25.00	27.64	18.18	52
4	9836.0936	-82.11	-61.60	-25.00	36.60	20.51	72
5	15676.1476	-85.69	-56.35	-25.00	31.35	29.34	12
6	23600.7	-65.01	-78.64	-25.00	53.64	-13.63	152
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	56.2176	-99.29	-71.88	-25.00	46.88	27.41	0
2	139.579	-99.56	-75.94	-25.00	50.94	23.62	174
3	643.5994	-98.46	-65.00	-25.00	40.00	33.46	357
4	1691.3983	-62.14	-57.28	-25.00	32.28	4.86	357
5	7577.7678	-80.55	-61.86	-25.00	36.86	18.69	110
6	22195.8	-65.06	-78.74	-25.00	53.74	-13.68	52

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B7-QPSK-5MHz-CH 21425-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.738	-99.98	-73.42	-25.00	48.42	26.56	92
2	101.3761	-99.40	-77.39	-25.00	52.39	22.01	152
3	199.612	-98.83	-75.95	-25.00	50.95	22.88	92
4	1317.4035	-61.70	-57.62	-25.00	32.62	4.08	92
5	7679.568	-81.16	-61.98	-25.00	36.98	19.18	133
6	13569.937	-85.12	-58.43	-25.00	33.43	26.69	317
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	75.3725	-100.03	-78.45	-25.00	53.45	21.58	234
2	321.1761	-98.55	-71.72	-25.00	46.72	26.83	174
3	996.6277	-97.42	-59.42	-25.00	34.42	38.00	296
4	2100.3601	-61.95	-53.95	-25.00	28.95	8.00	112
5	4701.9802	-70.67	-53.96	-25.00	28.96	16.71	194
6	9235.8236	-81.32	-62.13	-25.00	37.13	19.19	170

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B12-QPSK-5MHz-CH 23025-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	31.1771	-99.63	-75.73	-13.00	62.73	23.90	48
2	102.4462	-98.57	-76.52	-13.00	63.52	22.05	172
3	317.4307	-98.64	-72.35	-13.00	59.35	26.29	357
4	627.8688	-98.02	-65.08	-13.00	52.08	32.94	294
5	1973.7748	-69.36	-62.88	-13.00	49.88	6.48	294
6	3309.4019	-69.88	-57.58	-13.00	44.58	12.30	234
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	42.1992	-99.32	-72.89	-13.00	59.89	26.43	0
2	94.8485	-98.99	-79.41	-13.00	66.41	19.58	298
3	178.2098	-99.45	-76.61	-13.00	63.61	22.84	173
4	392.9803	-97.65	-70.36	-13.00	57.36	27.29	48
5	2176.6153	-69.40	-60.89	-13.00	47.89	8.51	298
6	7948.7849	-80.93	-62.30	-13.00	49.30	18.63	134

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B12-QPSK-5MHz-CH 23095-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	40.166	-98.96	-72.58	-13.00	59.58	26.38	0
2	59.856	-99.56	-72.08	-13.00	59.08	27.48	172
3	327.9178	-98.01	-71.55	-13.00	58.55	26.46	234
4	1090.262	-97.35	-58.16	-13.00	45.16	39.19	294
5	3313.5627	-69.89	-57.57	-13.00	44.57	12.32	48
6	6231.3463	-69.57	-49.71	-13.00	36.71	19.86	294
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	40.5941	-98.50	-71.56	-13.00	58.56	26.94	0
2	159.3759	-99.44	-73.07	-13.00	60.07	26.37	110
3	412.2422	-98.31	-70.18	-13.00	57.18	28.13	173
4	1066.5057	-96.54	-57.64	-13.00	44.64	38.90	298
5	2992.1384	-69.46	-57.82	-13.00	44.82	11.64	48
6	6300	-70.18	-50.11	-13.00	37.11	20.07	173

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B12-QPSK-5MHz-CH 23165-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	81.9002	-99.97	-77.89	-13.00	64.89	22.08	294
2	192.9773	-99.15	-75.72	-13.00	62.72	23.43	110
3	493.2493	-98.61	-68.17	-13.00	55.17	30.44	48
4	1259.1518	-68.89	-64.60	-13.00	51.60	4.29	0
5	4913.4027	-70.13	-52.04	-13.00	39.04	18.09	0
6	7682.5383	-80.94	-61.74	-13.00	48.74	19.20	133
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	80.081	-99.33	-79.17	-13.00	66.17	20.16	298
2	233.9624	-98.62	-75.10	-13.00	62.10	23.52	358
3	1451.5903	-68.83	-65.65	-13.00	52.65	3.18	236
4	2814.2629	-69.67	-58.38	-13.00	45.38	11.29	298
5	4184.2168	-69.84	-54.45	-13.00	41.45	15.39	298
6	7318.5419	-81.05	-62.03	-13.00	49.03	19.02	360

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B13-QPSK-5MHz-CH 23205-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	45.7306	-99.49	-73.71	-13.00	60.71	25.78	48
2	191.3721	-97.92	-74.38	-13.00	61.38	23.54	294
3	453.9764	-98.66	-69.23	-13.00	56.23	29.43	110
4	1097.1107	-97.44	-58.05	-13.00	45.05	39.39	110
5	3111.7624	-69.59	-58.56	-13.00	45.56	11.03	172
6	7323.1623	-80.57	-61.79	-13.00	48.79	18.78	254
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.845	-100.22	-73.05	-13.00	60.05	27.17	113
2	89.3909	-99.10	-79.83	-13.00	66.83	19.27	175
3	181.8482	-98.56	-76.07	-13.00	63.07	22.49	357
4	332.1982	-98.22	-71.31	-13.00	58.31	26.91	235
5	691.5402	-99.00	-64.71	-13.00	51.71	34.29	50
6	5571.8544	-69.84	-51.03	-13.00	38.03	18.81	297

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B13-QPSK-5MHz-CH 23230-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	59.4279	-99.53	-72.02	-13.00	59.02	27.51	357
2	175.6416	-98.55	-73.89	-13.00	60.89	24.66	48
3	404.8585	-98.43	-69.72	-13.00	56.72	28.71	110
4	1554.5709	-64.02	-60.50	-13.00	47.50	3.52	294
5	2332.6465	-63.19	-52.83	-13.00	39.83	10.36	48
6	5982.7365	-69.20	-49.46	-13.00	36.46	19.74	294
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	50.439	-100.18	-72.14	-13.00	59.14	28.04	235
2	161.8372	-98.28	-72.32	-13.00	59.32	25.96	50
3	432.7883	-97.98	-68.97	-13.00	55.97	29.01	297
4	1554.5709	-67.04	-63.83	-13.00	50.83	3.21	175
5	2423.1446	-62.48	-53.54	-13.00	40.54	8.94	113
6	6021.2242	-69.49	-49.04	-13.00	36.04	20.45	113

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B13-QPSK-5MHz-CH 23255-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.631	-99.50	-72.90	-13.00	59.90	26.60	48
2	96.6677	-99.38	-77.61	-13.00	64.61	21.77	357
3	260.287	-98.75	-73.74	-13.00	60.74	25.01	48
4	551.7842	-97.44	-65.78	-13.00	52.78	31.66	294
5	4063.5527	-69.74	-55.46	-13.00	42.46	14.28	48
6	5526.0852	-69.96	-51.30	-13.00	38.30	18.66	48
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.0959	-99.06	-72.15	-13.00	59.15	26.91	0
2	107.5828	-99.25	-78.81	-13.00	65.81	20.44	357
3	182.4902	-98.98	-76.55	-13.00	63.55	22.43	357
4	318.6079	-98.72	-71.95	-13.00	58.95	26.77	50
5	618.6659	-97.34	-64.54	-13.00	51.54	32.80	175
6	4480.6761	-69.52	-53.67	-13.00	40.67	15.85	297

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B14-QPSK-5MHz-CH 23305-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	31.7122	-99.78	-75.81	-13.00	62.81	23.97	229
2	90.7821	-99.45	-77.88	-13.00	64.88	21.57	45
3	194.3684	-98.94	-75.61	-13.00	62.61	23.33	107
4	440.065	-98.63	-69.71	-13.00	56.71	28.92	0
5	1232.1064	-68.53	-64.27	-13.00	51.27	4.26	168
6	4685.5971	-69.79	-53.05	-13.00	40.05	16.74	45
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	71.1991	-99.86	-76.84	-13.00	63.84	23.02	171
2	94.3134	-99.60	-80.06	-13.00	67.06	19.54	0
3	255.1505	-98.55	-73.81	-13.00	60.81	24.74	49
4	624.0164	-97.67	-64.74	-13.00	51.74	32.93	171
5	1200.9002	-68.65	-65.26	-13.00	52.26	3.39	49
6	4515.003	-69.53	-53.55	-13.00	40.55	15.98	171

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B14-QPSK-5MHz-CH 23330-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	58.3578	-99.78	-72.38	-13.00	59.38	27.40	45
2	168.0438	-99.21	-74.11	-13.00	61.11	25.10	289
3	525.9946	-98.36	-67.30	-13.00	54.30	31.06	0
4	2517.8036	-61.87	-51.10	-13.00	38.10	10.77	107
5	5999.3799	-69.35	-49.51	-13.00	36.51	19.84	0
6	7885.9186	-79.24	-60.34	-13.00	47.34	18.90	314
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	50.225	-99.49	-71.41	-13.00	58.41	28.08	295
2	160.339	-99.64	-73.38	-13.00	60.38	26.26	295
3	1576.4153	-67.63	-64.39	-40.00	24.39	3.24	171
4	3154.4109	-66.56	-54.86	-13.00	41.86	11.70	295
5	3942.8886	-67.83	-53.43	-13.00	40.43	14.40	49
6	7885.9186	-77.14	-58.40	-13.00	45.40	18.74	135

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B14-QPSK-5MHz-CH 23355-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	68.6309	-99.74	-73.96	-13.00	60.96	25.78	107
2	248.5159	-99.11	-74.92	-13.00	61.92	24.19	229
3	639.961	-98.23	-65.09	-13.00	52.09	33.14	168
4	1878.0756	-69.39	-64.02	-13.00	51.02	5.37	168
5	3926.2452	-69.49	-55.42	-13.00	42.42	14.07	229
6	5723.7247	-69.72	-50.25	-13.00	37.25	19.47	107
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.3099	-99.52	-72.49	-13.00	59.49	27.03	49
2	117.5348	-99.35	-78.34	-13.00	65.34	21.01	49
3	336.0506	-98.75	-71.82	-13.00	58.82	26.93	49
4	536.1606	-98.20	-66.90	-13.00	53.90	31.30	49
5	2018.5037	-69.36	-61.62	-13.00	48.62	7.74	0
6	5994.1788	-69.44	-49.07	-13.00	36.07	20.37	295

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B17-QPSK-10MHz-CH 23780-1RB					
Horizontal						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	59.2139	-99.46	-71.94	-13.00	58.94	27.52	0
2	136.2616	-99.52	-75.49	-13.00	62.49	24.03	172
3	314.7555	-97.96	-71.83	-13.00	58.83	26.13	357
4	616.4186	-98.05	-65.27	-13.00	52.27	32.78	109
5	1414.1428	-68.92	-65.13	-13.00	52.13	3.79	357
6	4688.7177	-69.92	-53.16	-13.00	40.16	16.76	109
Vertical						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	96.2396	-98.75	-79.09	-13.00	66.09	19.66	175
2	270.7741	-98.55	-73.23	-13.00	60.23	25.32	0
3	600.5811	-98.33	-66.03	-13.00	53.03	32.30	358
4	1189.4579	-68.69	-65.17	-13.00	52.17	3.52	0
5	3597.5395	-69.76	-57.17	-13.00	44.17	12.59	0
6	7882.6283	-81.02	-62.26	-13.00	49.26	18.76	133

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B17-QPSK-10MHz-CH 23790-1RB					
Horizontal						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	61.5682	-100.12	-72.77	-13.00	59.77	27.35	233
2	166.7597	-98.58	-73.40	-13.00	60.40	25.18	48
3	484.0464	-99.06	-68.78	-13.00	55.78	30.28	48
4	1086.1956	-97.61	-58.41	-13.00	45.41	39.20	109
5	3359.3319	-69.61	-57.17	-13.00	44.17	12.44	172
6	6029.5459	-69.52	-49.85	-13.00	36.85	19.67	109
Vertical						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.4169	-98.69	-71.59	-13.00	58.59	27.10	0
2	150.9221	-100.00	-74.94	-13.00	61.94	25.06	236
3	489.932	-94.85	-64.01	-13.00	51.01	30.84	51
4	1085.1255	-96.78	-57.63	-13.00	44.63	39.15	51
5	3114.883	-69.68	-57.96	-13.00	44.96	11.72	113
6	6043.0686	-69.42	-48.97	-13.00	35.97	20.45	175

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B17-QPSK-10MHz-CH 23800-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	48.5129	-99.08	-72.08	-13.00	59.08	27.00	109
2	96.7747	-99.41	-77.63	-13.00	64.63	21.78	294
3	205.7116	-98.78	-76.47	-13.00	63.47	22.31	0
4	380.46	-97.97	-69.84	-13.00	56.84	28.13	48
5	3359.3319	-69.61	-57.17	-13.00	44.17	12.44	172
6	7563.4563	-80.72	-62.03	-13.00	49.03	18.69	73
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	65.6346	-99.88	-74.45	-13.00	61.45	25.43	0
2	229.1469	-99.01	-76.16	-13.00	63.16	22.85	358
3	404.7515	-97.75	-69.98	-13.00	56.98	27.77	236
4	2363.8528	-69.64	-60.71	-13.00	47.71	8.93	236
5	4856.1912	-69.91	-52.97	-13.00	39.97	16.94	175
6	7323.4023	-81.18	-62.19	-13.00	49.19	18.99	133

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B25-QPSK-3MHz-CH 26055-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	80.8301	-100.08	-77.89	-13.00	64.89	22.19	232
2	196.0806	-99.14	-75.95	-13.00	62.95	23.19	47
3	635.0385	-98.38	-65.32	-13.00	52.32	33.06	47
4	1312.4625	-61.82	-57.71	-13.00	44.71	4.11	295
5	9902.7903	-82.02	-61.34	-13.00	48.34	20.68	295
6	15664.4464	-85.78	-56.44	-13.00	43.44	29.34	0
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	94.8485	-99.50	-79.92	-13.00	66.92	19.58	360
2	346.3236	-98.06	-71.12	-13.00	58.12	26.94	193
3	572.0092	-98.32	-66.57	-13.00	53.57	31.75	71
4	1030.7641	-97.36	-58.88	-13.00	45.88	38.48	313
5	2765.113	-61.37	-50.23	-13.00	37.23	11.14	11
6	11890.8191	-83.52	-59.84	-13.00	46.84	23.68	321

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B25-QPSK-3MHz-CH 26365-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	57.7158	-98.00	-70.73	-13.00	57.73	27.27	76
2	177.6748	-98.87	-74.34	-13.00	61.34	24.53	14
3	503.7364	-98.36	-67.71	-13.00	54.71	30.65	14
4	1092.4022	-97.09	-57.84	-13.00	44.84	39.25	360
5	2519.884	-51.78	-41.01	-13.00	28.01	10.77	259
6	5972.3345	-69.33	-49.64	-13.00	36.64	19.69	360
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	50.6531	-99.35	-71.35	-13.00	58.35	28.00	316
2	158.6269	-99.59	-73.33	-13.00	60.33	26.26	360
3	604.9685	-98.30	-65.87	-13.00	52.87	32.43	12
4	1653.3907	-65.78	-61.49	-13.00	48.49	4.29	360
5	2481.3963	-61.79	-52.83	-13.00	39.83	8.96	72
6	3308.3617	-66.34	-54.16	-13.00	41.16	12.18	360

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B25-QPSK-3MHz-CH 26675-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	63.2803	-99.50	-72.28	-13.00	59.28	27.22	108
2	272.3792	-98.30	-73.34	-13.00	60.34	24.96	47
3	1105.7011	-61.99	-57.19	-13.00	44.19	4.80	295
4	6279.538	-71.59	-51.40	-13.00	38.40	20.19	256
5	13568.7669	-85.01	-58.33	-13.00	45.33	26.68	235
6	17180.9181	-88.27	-55.16	-13.00	42.16	33.11	51
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	77.6198	-99.60	-78.75	-13.00	65.75	20.85	71
2	225.4015	-99.05	-76.73	-13.00	63.73	22.32	360
3	737.3407	-97.83	-63.02	-13.00	50.02	34.81	253
4	1104.1808	-62.13	-57.62	-13.00	44.62	4.51	131
5	2996.5793	-61.01	-49.34	-13.00	36.34	11.67	313
6	14252.1152	-85.36	-58.39	-13.00	45.39	26.97	73

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B26-QPSK-3MHz-CH 26705-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	49.1549	-100.16	-73.24	-13.00	60.24	26.92	14
2	108.0108	-99.60	-77.28	-13.00	64.28	22.32	14
3	231.6082	-99.43	-76.53	-13.00	63.53	22.90	137
4	449.3749	-98.28	-69.01	-13.00	56.01	29.27	76
5	2016.4233	-69.20	-62.23	-13.00	49.23	6.97	76
6	5400.22	-69.92	-51.63	-13.00	38.63	18.29	76
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	69.594	-99.75	-76.04	-13.00	63.04	23.71	12
2	192.1212	-98.45	-76.94	-13.00	63.94	21.51	134
3	644.8835	-98.15	-64.66	-13.00	51.66	33.49	360
4	1305.9612	-68.84	-65.79	-13.00	52.79	3.05	255
5	3892.9586	-70.00	-55.86	-13.00	42.86	14.14	194
6	7325.0225	-80.83	-61.86	-13.00	48.86	18.97	53

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B26-QPSK-3MHz-CH 26740-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	62.7158	-97.00	-69.73	-13.00	56.73	27.27	100
2	177.6735	-97.46	-72.93	-13.00	59.93	24.53	35
3	502.5634	-97.77	-67.12	-13.00	54.12	30.65	35
4	1022.4632	-98.74	-59.49	-13.00	46.49	39.25	58
5	2426.5647	-54.68	-43.91	-13.00	30.91	10.77	125
6	6046.3351	-66.33	-46.64	-13.00	33.64	19.69	360
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	63.2423	-95.45	-67.45	-13.00	54.45	28	350
2	147.9788	-96.23	-69.97	-13.00	56.97	26.26	356
3	584.8573	-96.24	-63.81	-13.00	50.81	32.43	67
4	1666.5777	-67.33	-63.04	-13.00	50.04	4.29	11
5	2215.4672	-64.54	-55.58	-13.00	42.58	8.96	54
6	4578.7421	-63.66	-51.48	-13.00	38.48	12.18	359

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B26-QPSK-3MHz-CH 26755-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.3099	-99.71	-73.31	-13.00	60.31	26.40	14
2	75.4795	-99.71	-76.20	-13.00	63.20	23.51	320
3	267.5638	-98.12	-73.04	-13.00	60.04	25.08	320
4	696.1416	-98.21	-64.48	-13.00	51.48	33.73	360
5	1653.3907	-68.75	-64.85	-13.00	51.85	3.90	137
6	4480.6761	-69.48	-53.90	-13.00	40.90	15.58	76
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	40.5941	-99.37	-72.43	-13.00	59.43	26.94	194
2	122.7783	-99.49	-77.78	-13.00	64.78	21.71	72
3	382.1722	-97.98	-70.76	-13.00	57.76	27.22	194
4	1099.0369	-97.07	-57.63	-13.00	44.63	39.44	316
5	4683.5167	-69.63	-53.14	-13.00	40.14	16.49	255
6	6027.4655	-69.30	-48.85	-13.00	35.85	20.45	360

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B30-QPSK-5MHz-CH 27685-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	55.6826	-99.84	-72.99	-40.00	32.99	26.85	360
2	205.6046	-99.07	-76.75	-40.00	36.75	22.32	138
3	701.0641	-98.33	-64.54	-40.00	24.54	33.79	320
4	1328.3806	-62.86	-58.81	-40.00	18.81	4.05	360
5	4880.2134	-71.68	-53.44	-40.00	13.44	18.24	116
6	12061.6562	-83.36	-59.20	-40.00	19.20	24.16	257
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	93.0293	-99.39	-79.92	-40.00	39.92	19.47	55
2	531.9872	-98.81	-67.60	-40.00	27.60	31.21	297
3	1458.4307	-62.66	-59.44	-40.00	19.44	3.22	55
4	3880.6968	-71.00	-56.43	-40.00	16.43	14.57	360
5	8676.5077	-81.43	-62.22	-40.00	22.22	19.21	172
6	15662.1062	-85.67	-56.12	-40.00	16.12	29.55	233

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B30-QPSK-5MHz-CH 27710-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	65.4205	-99.17	-72.19	-40.00	32.19	26.98	260
2	487.8988	-98.28	-67.94	-40.00	27.94	30.34	11
3	1068.4318	-96.79	-57.72	-40.00	17.72	39.07	11
4	4611.2185	-63.48	-46.89	-40.00	6.89	16.59	116
5	6916.6517	-74.11	-56.48	-40.00	16.48	17.63	195
6	9221.7822	-71.60	-52.06	-40.00	12.06	19.54	133
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	49.0479	-99.52	-71.21	-40.00	31.21	28.31	115
2	160.9811	-98.32	-72.19	-40.00	32.19	26.13	236
3	4611.2185	-59.12	-42.47	-40.00	2.47	16.65	196
4	6916.6517	-65.02	-47.39	-40.00	7.39	17.63	295
5	9221.7822	-71.05	-51.91	-40.00	11.91	19.14	0
6	17694.5995	-89.13	-54.95	-40.00	14.95	34.18	233

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B30-QPSK-5MHz-CH 27735-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	37.3837	-98.90	-73.60	-40.00	33.60	25.30	320
2	160.5531	-98.92	-73.37	-40.00	33.37	25.55	138
3	430.327	-98.70	-69.98	-40.00	29.98	28.72	11
4	6245.5409	-72.13	-52.12	-40.00	12.12	20.01	236
5	17219.532	-88.01	-55.24	-40.00	15.24	32.77	133
6	9523.4545	-88.38	-69.54	-13.00	56.54	18.84	24
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	60.391	-100.29	-73.32	-40.00	33.32	26.97	0
2	87.4647	-98.77	-79.54	-40.00	39.54	19.23	115
3	325.7776	-98.68	-71.78	-40.00	31.78	26.90	115
4	1012.7863	-97.15	-58.93	-40.00	18.93	38.22	297
5	6026.0543	-72.36	-51.94	-40.00	11.94	20.42	258
6	11932.9433	-83.39	-59.72	-40.00	19.72	23.67	48

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B38-QPSK-5MHz-CH 37775-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	73.1253	-100.00	-75.80	-25.00	50.80	24.20	171
2	502.2382	-98.26	-67.63	-25.00	42.63	30.63	357
3	1639.7079	-61.70	-57.90	-25.00	32.90	3.80	0
4	4344.5545	-70.32	-54.99	-25.00	29.99	15.33	253
5	9215.9316	-81.21	-61.71	-25.00	36.71	19.50	53
6	21250.8	-65.01	-80.55	-25.00	55.55	-15.54	171
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	78.0478	-99.26	-78.55	-25.00	53.55	20.71	259
2	179.3869	-99.43	-76.70	-25.00	51.70	22.73	259
3	338.8329	-98.59	-71.66	-25.00	46.66	26.93	196
4	821.9862	-97.31	-61.63	-25.00	36.63	35.68	12
5	5474.2574	-71.05	-52.01	-25.00	27.01	19.04	296
6	13950.225	-85.52	-59.02	-25.00	34.02	26.50	254

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B38-QPSK-5MHz-CH 38000-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	62.4242	-99.65	-72.37	-25.00	47.37	27.28	109
2	177.6748	-99.18	-74.65	-25.00	49.65	24.53	109
3	518.6109	-98.37	-67.43	-25.00	42.43	30.94	109
4	7770.8371	-78.84	-59.57	-25.00	34.57	19.27	114
5	10362.6463	-80.88	-60.06	-25.00	35.06	20.82	114
6	17906.3906	-89.14	-55.28	-25.00	30.28	33.86	295
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	47.4427	-99.61	-71.68	-25.00	46.68	27.93	259
2	160.8741	-99.02	-72.87	-25.00	47.87	26.15	134
3	708.2338	-98.36	-63.78	-25.00	38.78	34.58	360
4	1079.561	-96.67	-57.52	-25.00	32.52	39.15	319
5	7772.0072	-76.71	-57.59	-25.00	32.59	19.12	194
6	10362.6463	-76.65	-55.89	-25.00	30.89	20.76	133

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B38-QPSK-5MHz-CH 38225-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	119.996	-99.36	-76.36	-25.00	51.36	23.00	357
2	248.3018	-99.09	-74.91	-25.00	49.91	24.18	109
3	1110.6421	-62.03	-57.26	-25.00	32.26	4.77	234
4	6282.1782	-71.51	-51.30	-25.00	26.30	20.21	72
5	11879.1179	-83.16	-59.12	-25.00	34.12	24.04	0
6	23592.6	-65.05	-78.69	-25.00	53.69	-13.64	297
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	62.2102	-98.75	-72.29	-25.00	47.29	26.46	319
2	232.2502	-98.49	-75.21	-25.00	50.21	23.28	12
3	433.9654	-98.60	-69.54	-25.00	44.54	29.06	196
4	1203.3807	-61.82	-58.44	-25.00	33.44	3.38	360
5	6144.8845	-71.46	-51.12	-25.00	26.12	20.34	115
6	17404.4104	-88.30	-54.95	-25.00	29.95	33.35	194

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B40-QPSK-5MHz-CH 39175-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	70.129	-99.72	-74.50	-40.00	34.50	25.22	360
2	234.0694	-98.62	-75.49	-40.00	35.49	23.13	254
3	609.677	-98.34	-65.65	-40.00	25.65	32.69	254
4	1461.6027	-62.69	-58.86	-40.00	18.86	3.83	316
5	15664.4464	-85.72	-56.38	-40.00	16.38	29.34	73
6	22996.2	-65.01	-64.38	-40.00	24.38	0.63	11
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	104.0514	-98.57	-78.37	-40.00	38.37	20.20	55
2	313.5784	-98.22	-71.58	-40.00	31.58	26.64	0
3	771.6912	-97.68	-62.62	-40.00	22.62	35.06	357
4	1626.5442	-62.63	-58.74	-40.00	18.74	3.89	115
5	3875.1959	-70.93	-56.41	-40.00	16.41	14.52	73
6	12546.0846	-83.33	-59.18	-40.00	19.18	24.15	298

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B40-QPSK-5MHz-CH 39200-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	64.6715	-100.39	-73.29	-40.00	33.29	27.10	193
2	198.6489	-98.21	-75.24	-40.00	35.24	22.97	71
3	1097.9668	-97.19	-57.77	-40.00	17.77	39.42	193
4	5207.5179	-69.81	-51.47	-40.00	11.47	18.34	235
5	9382.0882	-71.50	-51.28	-40.00	11.28	20.22	197
6	17987.1287	-88.86	-55.28	-40.00	15.28	33.58	197
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	47.6568	-99.54	-71.49	-40.00	31.49	28.05	357
2	163.7634	-98.53	-72.96	-40.00	32.96	25.57	0
3	676.2376	-97.87	-63.89	-40.00	23.89	33.98	0
4	4690.9818	-67.87	-51.17	-40.00	11.17	16.70	134
5	9382.0882	-65.35	-45.98	-40.00	5.98	19.37	113
6	17390.369	-88.21	-54.92	-40.00	14.92	33.29	51

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B40-QPSK-5MHz-CH 39225-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.952	-99.47	-73.00	-40.00	33.00	26.47	360
2	110.9001	-99.34	-76.89	-40.00	36.89	22.45	11
3	373.6114	-98.05	-70.36	-40.00	30.36	27.69	193
4	739.2669	-98.13	-63.55	-40.00	23.55	34.58	133
5	6243.8906	-72.12	-52.12	-40.00	12.12	20.00	235
6	13576.9577	-85.08	-58.44	-40.00	18.44	26.64	11
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	71.7342	-99.68	-76.89	-40.00	36.89	22.79	115
2	228.8259	-99.33	-76.52	-40.00	36.52	22.81	55
3	457.0797	-97.70	-67.76	-40.00	27.76	29.94	177
4	1087.6938	-97.42	-58.27	-40.00	18.27	39.15	0
5	13610.8911	-84.88	-59.04	-40.00	19.04	25.84	175
6	23003.4	-65.02	-63.12	-40.00	23.12	1.90	55

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B41-QPSK-5MHz-CH 39675-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.4169	-99.63	-73.16	-25.00	48.16	26.47	294
2	189.66	-98.78	-75.12	-25.00	50.12	23.66	231
3	533.8064	-97.50	-66.26	-25.00	41.26	31.24	168
4	1315.8832	-61.93	-57.84	-25.00	32.84	4.09	231
5	4181.5182	-70.27	-55.44	-25.00	30.44	14.83	12
6	7874.9775	-81.22	-62.26	-25.00	37.26	18.96	52
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	64.0294	-99.76	-73.81	-25.00	48.81	25.95	74
2	139.0439	-98.54	-74.96	-25.00	49.96	23.58	74
3	374.4674	-98.24	-71.12	-25.00	46.12	27.12	360
4	699.4589	-97.95	-63.52	-25.00	38.52	34.43	12
5	1705.4611	-62.16	-57.10	-25.00	32.10	5.06	319
6	3841.9142	-70.02	-55.79	-25.00	30.79	14.23	0

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B41-QPSK-5MHz-CH 40620-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	58.5719	-99.22	-71.77	-25.00	46.77	27.45	0
2	177.0327	-98.60	-74.03	-25.00	49.03	24.57	44
3	1102.6605	-62.17	-57.35	-25.00	32.35	4.82	294
4	7764.9865	-77.88	-58.61	-25.00	33.61	19.27	112
5	10354.4554	-79.79	-58.99	-25.00	33.99	20.80	112
6	17205.4905	-88.30	-55.38	-25.00	30.38	32.92	112
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	48.8339	-99.44	-71.09	-25.00	46.09	28.35	12
2	159.3759	-98.96	-72.59	-25.00	47.59	26.37	195
3	919.794	-97.22	-60.02	-25.00	35.02	37.20	195
4	5196.0396	-69.15	-51.02	-25.00	26.02	18.13	234
5	7764.9865	-74.17	-55.05	-25.00	30.05	19.12	199
6	10354.4554	-76.25	-55.52	-25.00	30.52	20.73	136

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B41-QPSK-5MHz-CH 41565-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	86.3946	-98.94	-77.34	-25.00	52.34	21.60	357
2	326.8477	-98.52	-72.05	-25.00	47.05	26.47	294
3	784.4254	-98.14	-62.35	-25.00	37.35	35.79	168
4	4824.0924	-70.95	-53.08	-25.00	28.08	17.87	320
5	15677.3177	-85.74	-56.41	-25.00	31.41	29.33	173
6	23590.8	-65.01	-78.66	-25.00	53.66	-13.65	357
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	76.7637	-100.03	-78.90	-25.00	53.90	21.13	256
2	170.398	-99.37	-75.16	-25.00	50.16	24.21	319
3	495.1755	-99.10	-68.19	-25.00	43.19	30.91	195
4	1483.8768	-62.03	-58.71	-25.00	33.71	3.32	319
5	6055.1155	-71.45	-50.94	-25.00	25.94	20.51	294
6	17400.9001	-88.18	-54.84	-25.00	29.84	33.34	73

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B66-QPSK-1.4MHz-CH 131979-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	67.8818	-99.82	-73.76	-13.00	60.76	26.06	72
2	197.0437	-98.81	-75.71	-13.00	62.71	23.10	11
3	634.9315	-98.03	-64.98	-13.00	51.98	33.05	255
4	1253.5507	-62.10	-57.82	-13.00	44.82	4.28	255
5	2286.9774	-61.63	-51.54	-13.00	38.54	10.09	316
6	4321.1221	-70.44	-55.21	-13.00	42.21	15.23	52
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	34.9225	-99.30	-74.56	-13.00	61.56	24.74	357
2	104.4794	-99.28	-79.06	-13.00	66.06	20.22	235
3	377.2497	-98.18	-71.01	-13.00	58.01	27.17	295
4	944.8345	-97.55	-60.16	-13.00	47.16	37.39	357
5	1228.8458	-61.87	-58.59	-13.00	45.59	3.28	295
6	10886.8587	-82.54	-60.71	-13.00	47.71	21.83	236

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B66-QPSK-1.4MHz-CH 132322-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	160.125	-99.12	-73.55	-13.00	60.55	25.57	255
2	759.0639	-97.91	-62.75	-13.00	49.75	35.16	316
3	3481.1881	-62.75	-49.13	-13.00	36.13	13.62	52
4	5222.1122	-59.43	-41.08	-13.00	28.08	18.35	114
5	6962.2862	-72.13	-54.41	-13.00	41.41	17.72	256
6	8702.2502	-72.44	-53.41	-13.00	40.41	19.03	256
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	159.804	-99.22	-72.85	-13.00	59.85	26.37	235
2	830.44	-95.71	-59.85	-13.00	46.85	35.86	295
3	3481.1881	-56.74	-43.79	-13.00	30.79	12.95	319
4	5221.7822	-53.65	-35.43	-13.00	22.43	18.22	11
5	6961.1161	-63.86	-46.30	-13.00	33.30	17.56	51
6	8702.2502	-67.17	-47.94	-13.00	34.94	19.23	175

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B66-QPSK-1.4MHz-CH 132665-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	49.3689	-99.24	-72.35	-13.00	59.35	26.89	255
2	112.0772	-98.19	-75.68	-13.00	62.68	22.51	193
3	492.2862	-98.02	-67.59	-13.00	54.59	30.43	11
4	1099.786	-96.37	-56.90	-13.00	43.90	39.47	193
5	10902.0702	-82.86	-61.20	-13.00	48.20	21.66	73
6	13596.8497	-84.54	-58.07	-13.00	45.07	26.47	11
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	49.2619	-100.37	-72.11	-13.00	59.11	28.26	175
2	82.4352	-98.95	-79.09	-13.00	66.09	19.86	54
3	221.5492	-98.24	-76.45	-13.00	63.45	21.79	295
4	544.1864	-98.66	-67.22	-13.00	54.22	31.44	0
5	2979.0958	-60.87	-49.31	-13.00	36.31	11.56	0
6	16602.8803	-87.48	-55.31	-13.00	42.31	32.17	236

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B71-QPSK-5MHz-CH 133147-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	84.3614	-99.82	-78.00	-13.00	65.00	21.82	295
2	199.612	-98.56	-75.68	-13.00	62.68	22.88	48
3	440.9211	-98.37	-69.41	-13.00	56.41	28.96	48
4	1660.6721	-69.18	-65.23	-13.00	52.23	3.95	295
5	4428.6657	-69.97	-54.55	-13.00	41.55	15.42	295
6	5778.8558	-69.43	-49.77	-13.00	36.77	19.66	109
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	66.5977	-99.81	-74.80	-13.00	61.80	25.01	170
2	120.9591	-99.89	-78.44	-13.00	65.44	21.45	0
3	251.2981	-98.88	-74.29	-13.00	61.29	24.59	108
4	592.1272	-97.89	-65.79	-13.00	52.79	32.10	294
5	902.3512	-97.39	-60.45	-13.00	47.45	36.94	232
6	3924.1648	-69.75	-55.44	-13.00	42.44	14.31	294

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B71-QPSK-5MHz-CH 133297-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	142.3612	-99.58	-75.61	-13.00	62.61	23.97	0
2	1351.7303	-65.00	-61.04	-13.00	48.04	3.96	109
3	2027.8656	-61.91	-54.79	-13.00	41.79	7.12	48
4	2704.0008	-65.27	-55.33	-13.00	42.33	9.94	48
5	7437.0837	-75.25	-56.93	-13.00	43.93	18.32	321
6	8789.919	-74.56	-55.55	-13.00	42.55	19.01	321
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	2027.8656	-53.06	-45.29	-13.00	32.29	7.77	294
2	2704.0008	-61.78	-51.32	-13.00	38.32	10.46	294
3	3380.136	-63.60	-51.53	-13.00	38.53	12.07	294
4	6760.9361	-75.86	-57.58	-13.00	44.58	18.28	74
5	7437.0837	-70.72	-52.34	-13.00	39.34	18.38	255
6	8789.649	-67.91	-48.72	-13.00	35.72	19.19	360

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

Test Mode	LTE B71-QPSK-5MHz-CH 133447-1RB						
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	40.5941	-99.46	-73.26	-13.00	60.26	26.20	295
2	78.7969	-99.37	-76.83	-13.00	63.83	22.54	109
3	238.9919	-97.89	-74.35	-13.00	61.35	23.54	48
4	604.1124	-98.52	-65.93	-13.00	52.93	32.59	357
5	3380.136	-68.72	-56.24	-13.00	43.24	12.48	295
6	6246.9494	-69.75	-49.85	-13.00	36.85	19.90	109
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	38.6679	-99.13	-72.47	-13.00	59.47	26.66	232
2	159.59	-99.20	-72.80	-13.00	59.80	26.40	232
3	345.4675	-98.52	-71.58	-13.00	58.58	26.94	47
4	1077.5278	-96.94	-57.82	-13.00	44.82	39.12	294
5	4474.4349	-69.55	-53.71	-13.00	40.71	15.84	47
6	6060.7522	-69.15	-48.70	-13.00	35.70	20.45	294

Remark:
1. Level (dBm) = Reading (dBm) + Factor (dB).
2. Margin (dB) = Limit (dBm) - Level (dBm)

3.2 OUT POWER MEASUREMENT

3.1.1 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 determing the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

EIRP = PT + GT – LC, ERP= EIRP - 2.15dBi, where

PT = transmitter output power dBm;

GT = gain of the transmitting antenna dBi;

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

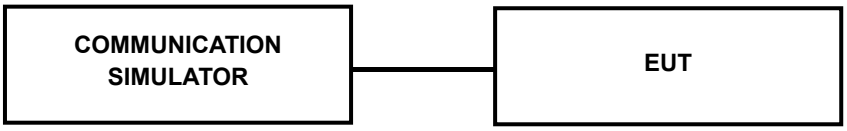
CONDUCTED POWER MEASUREMENT:

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.

3.1.2 TEST SETUP

EIRP / ERP Measurement:

CONDUCTED POWER MEASUREMENT:



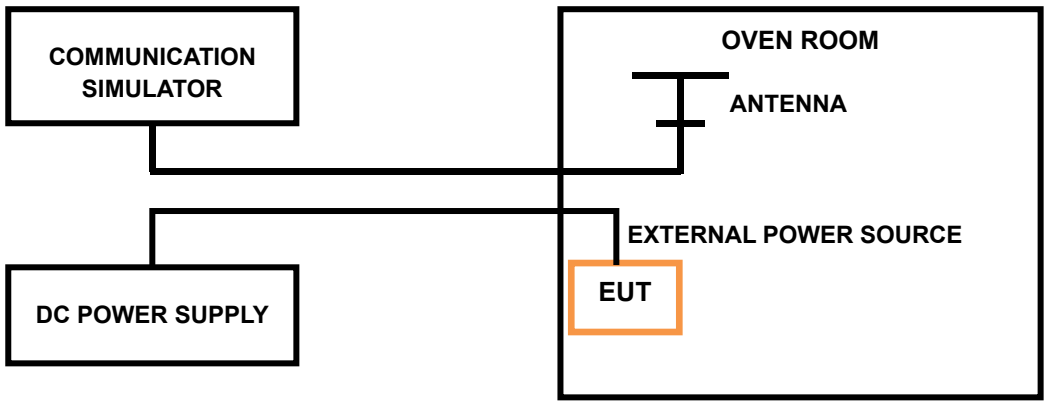
3.3 FREQUENCY STABILITY

3.2.1 TEST PROCEDURE

a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ±0.5℃ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

3.2.2 TEST SETUP



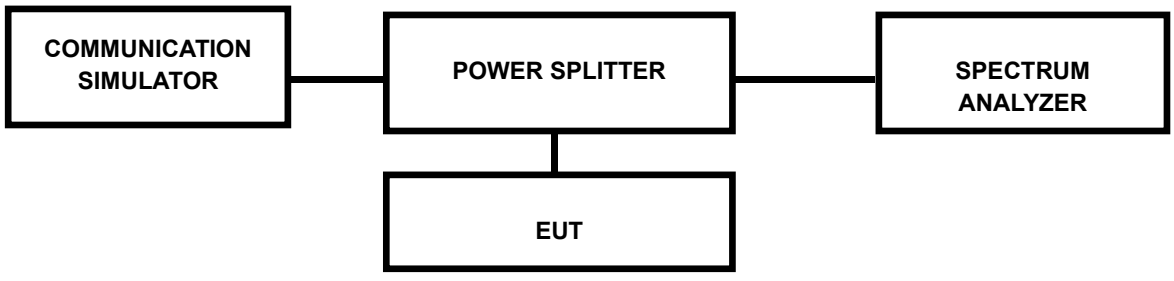
3.4 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 TEST PROCEDURES

The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

The testing follows ANSI C63.26 Section 5.4.
The EUT was connected to spectrum analyzer and system simulator via a coupling unit. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW. Set the detection mode to peak, and the trace mode to max hold. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace. (this is the reference value). Determine the '-26 dB down amplitude' as equal to (Reference Value － X). Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the '－X dB down amplitude' determined in step 6. If a marker is below this '-X dB down amplitude' value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.3.2 TEST SETUP



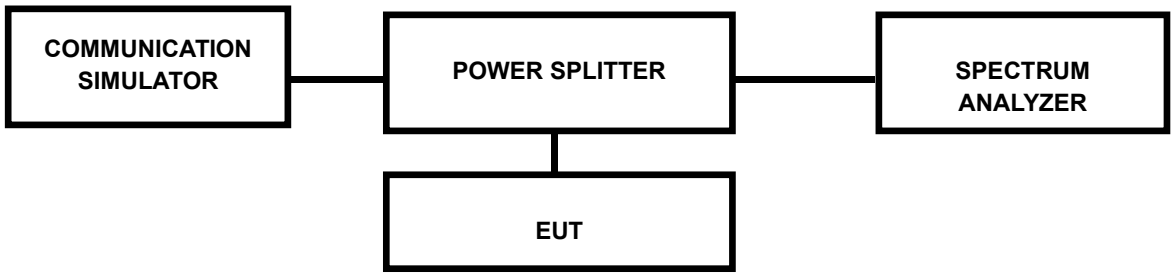
3.5 BAND EDGE MEASUREMENT

3.4.1 TEST PROCEDURES

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 6.0
The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyser, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at two frequencies (low channel and high channel). In the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of 100kHz or 1% of the emission bandwidth of the fundamental emission of the transmitter may be employed. The EUT emission bandwidth is measured as the width of the signal between two points, outside of which all emission are attenuated at least 26dB below the transmitter power. The video bandwidth of the spectrum analyzer was set at thrice the resolution bandwidth. Detector Mode was set to RMS.

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a coupling unit.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used or a narrower RBW was used and the measured power was integrated over the full required measurement bandwidth of 1 MHz.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band

3.4.2 TEST SETUP

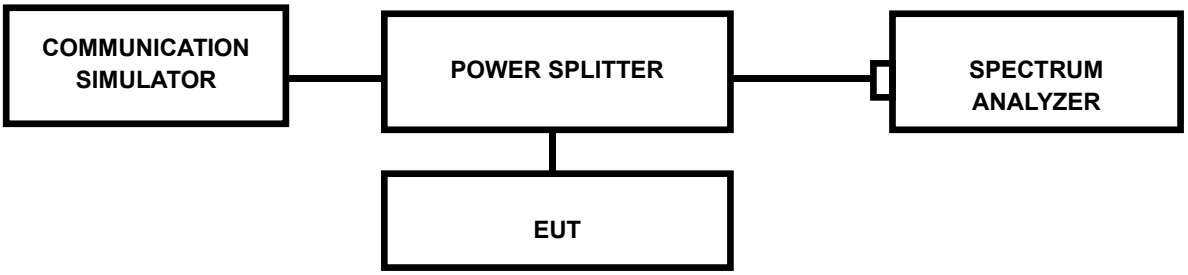


3.6 CONDUCTED SPURIOUS EMISSIONS

3.5.1 TEST PROCEDURE

a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
b. Measuring frequency range is from 30 MHz up to a frequency inclouding its 10th harmocin. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.2 TEST SETUP

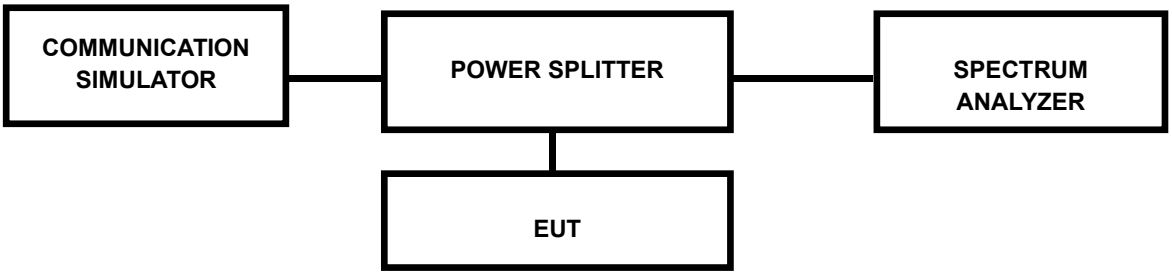


3.7 PEAK TO AVERAGE RATIO

3.7.1 TEST PROCEDURES

1. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

3.7.2 TEST SETUP



4 PHOTOGRAPHS OF TEST SETUP

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

5 PHOTOGRAPHS OF THE EUT

Please refer to the attached file (External Photos report and Internal Photos).

------ 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 tester, reviewer and approver;

(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 results apply to the samples as received. The sample information is provided by the customer and laboratory is not responsible for its authenticity;

(7) As for the test result “-” or “N” means “not applicable”, “/” means “not test”, “P” means “pass” and “F” means “fail”

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