

Report No.: ZR/2020/9003204
Page: 1 of 22

TEST REPORT

Application No:

ZR/2020/90032

Applicant:

Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd

Address of Applicant

Floor 21, Block A, Coolpad Building, Intersection of Keyuan Avenue and Baoshen Road, North High-Tech Industrial Park, Nanshan District, Shenzhen

Manufacturer:

Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd

Address of Manufacturer:

Floor 21, Block A, Coolpad Building, Intersection of Keyuan Avenue and Baoshen Road, North High-Tech Industrial Park, Nanshan District, Shenzhen

EUT Description:

Mobile Hotspot

Model No.:

CP337AS

Trade Mark:

coolpad

FCC ID:

R38YLCP337AS

Standard(s) :

47 CFR Part 15, Subpart B

Date of Receipt:

2020/10/8

Date of Test:

2020/10/21 to 2020/12/31

Date of Issue:

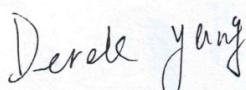
2021/1/5

Test Result:

Pass*

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Derek Yang

Wireless Laboratory Manager

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/ F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com



<i>Revision Record</i>				
<i>Version</i>	<i>Chapter</i>	<i>Date</i>	<i>Modifier</i>	<i>Remark</i>
01		2021/1/5		Original

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

Test Summary

Emission Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass
Radiated Emissions (30MHz-1GHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass
Radiated Emissions (above 1GHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass

Internal Source	Upper Frequency
Below 1.705MHz	30MHz
1.705MHz to 108MHz	1GHz
108MHz to 500MHz	2GHz
500MHz to 1GHz	5GHz
Above 1GHz	5th harmonic of the highest frequency or 40GHz, whichever is lower

Checked By

David Chen
Reviewer

Test By

Daniel Wang
Project Engineer

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

Contents

1 GENERAL INFORMATION	5
1.1 DESCRIPTION OF SUPPORT UNITS	7
1.2 TEST LOCATION	7
1.3 TEST FACILITY	7
1.4 DEVIATION FROM STANDARDS	7
1.5 ABNORMALITIES FROM STANDARD CONDITIONS	7
2 EMISSION TEST RESULTS.....	8
2.1 CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz).....	8
2.1.1 <i>E.U.T. Operation</i>	8
2.1.2 <i>Test Setup Diagram</i>	9
2.1.3 <i>Measurement Data</i>	9
2.2 RADIATED EMISSIONS (30MHz-1GHz)	12
2.1.4 <i>E.U.T. Operation</i>	12
2.1.5 <i>Test Setup Diagram</i>	13
2.1.6 <i>Measurement Data</i>	13
2.3 RADIATED EMISSIONS (ABOVE 1GHz)	16
2.1.7 <i>E.U.T. Operation</i>	16
2.1.8 <i>Test Setup Diagram</i>	17
2.1.9 <i>Measurement Data</i>	17
3 EQUIPMENT LIST	20
4 MEASUREMENT UNCERTAINTY.....	21
5 PHOTOGRAPHS	22
5.1 TEST SETUP	22
5.2 EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)	22

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/ F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

1 General Information

Product Name:	Mobile Hotspot		
Model No.(EUT):	CP337AS		
Trade Mark:	coolpad		
Hardware Version:	P3		
Software Version:	3.18.054.P3.201216.CP337AS		
Frequency Bands:	Band	Tx (MHz)	Rx (MHz)
	WCDMA Band II	1850~1910	1930~1990
	WCDMA Band IV	1710~1755	2110~2155
	WCDMA Band V	824~849	869~894
	LTE Band 2	1850~1910	1930~1990
	LTE Band 5	824~849	869~894
	LTE Band 12	699~716	729~746
	LTE Band 13	777~787	746~756
	LTE Band 14	788~798	746~756
	LTE Band 25	1850~1915	1930~1995
	LTE Band 26	814~849	859~894
	LTE Band 41	2496~2690	2496~2690
	LTE Band 66	1710~1780	2110~2200
	LTE Band 71	663~698	617~652
	LTE Band CA_41C	2496~2690	2496~2690
	Wi-Fi 2.4G	2412~2472	2412~2472
	Wi-Fi 5G	5150~5850	5150~5850

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/ F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com



Accessory:

Battery			
Battery1	Jiade Energy	CPLD-440	3.87V; 3920mAh
Battery2	Ganfeng	CPLD-440	3.87V; 3920mAh
Adapter			
Adapter1 (US)	SHENZHEN RUIDE ELECTRONIC INDUSTRIAL CO.,LTD	Q3W18-1U-A	Input:100-240V~50/60Hz,0.5A MAX Output:5V/3A,9V/2A,12V/1.5A
Adapter2 (US)	SHENZHEN KOSUN INDUSTRIAL CO., LTD.	619043	Input:100-240V~50/60Hz,0.5A MAX Output:5V/3A,9V/2A,12V/1.5A
USB cable			
USB cable1	Leagtech Electrinics Co.,LTD	LS-KP002	/
USB cable2	Shenzhen Saibao Communication industrial Co.,Ltd	SYL-A147A	

EUT1: Main Supply EUT

Part Name	Model Name	supplier	Remark
Battery	CPLD-440	Jiade	
Memory	FS702B2R1DH2A2KDE	FORESEE	
PCB	CP337AS MAINBOARD P3-ZH	Zhihao	

EUT2: Secondary Supply EUT

Part Name	Model Name	supplier	Remark
Battery	CPLD-440	Ganfeng	
Memory	NM1282KSLAXAL-3B	Nanya	
PCB	CP337AS MAINBOARD P3_SUNTAK	Suntak	

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/ F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

1.1 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Laptop	Lenovo	T430u	REF. No. SEA1800
Mouse	Lenovo	M-U0025-O	REF. No.: SEA2400
Router	NETGEAR	DGN2200	REF. No. SEA2200

1.2 Test Location

All tests were performed at:

Company:	SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.		
Address:	Single floor D, building 1, Kanghong orange square science and technology park, No.137 keyuan 3rd road, fengdong new town, Xi 'an city, Shaanxi China		
Post code:	710000		

No tests were sub-contracted.

1.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- A2LA (Certificate No. 4854.01)

SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.

is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4854.01.

Test Site No.:	SGS Xian Site No.		FCC Designation No.
	CO01-XA	03CH01-XA	

1.4 Deviation from Standards

None

1.5 Abnormalities from Standard Conditions

None

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/ F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

2 Emission Test Results

2.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

Test Requirement:	47 CFR Part 15, Subpart B
Test Method:	ANSI C63.4:2014
Frequency Range:	150kHz to 30MHz
Limit:	
0.15M-0.5MHz	66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average
0.5M-5MHz	56dB(μV) quasi-peak, 46dB(μV) average
5M-30MHz	60dB(μV) quasi-peak, 50dB(μV) average
Detector:	Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

2.1.1 E.U.T. Operation

Operating Environment:

Temperature:	18.9 °C	Humidity:	55.1 % RH	Atmospheric Pressure:	1000 mbar
Pretest these modes to find the worst case:	a: Transfer data between the EUT1 and the PC+ Cable1				
	b: Transfer data between the EUT1 and the PC+ Cable2				
	c: GSM 850 Idle+ EUT1 +2.4G WLAN +battery1+usb cable(worst)+adapter1				
	d: WCDMA Band V Idle+ EUT1 +2.4G WLAN +battery1+usb cable(worst)+adapter2				
	e: LTE Band 5 Idle + EUT1 +2.4G WLAN+ battery1 +usb cable(worst)+adapter(worst)				
	f: LTE Band 12 Idle+ EUT1 +5G WLAN +battery1 +usb cable(worst)+adapter(worst)				
	g: LTE Band 13 Idle + EUT1+2.4G WLAN +battery1 +usb cable(worst)+adapter(worst)				
	h: LTE Band 14 Idle + EUT1+2.4G WLAN +battery1 +usb cable(worst)+adapter(worst)				
	i: LTE Band 26 Idle + EUT1 +5G WLAN +battery1 +usb cable(worst)+adapter(worst)				
	j: LTE Band 5 Idle + EUT2 +2.4G WLAN+ battery2 +usb cable(worst)+adapter(worst)				
The worst case for final test:	e: LTE Band 5 Idle + EUT1 +2.4G WLAN+ battery1 +usb cable(worst)+adapter(worst)				

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

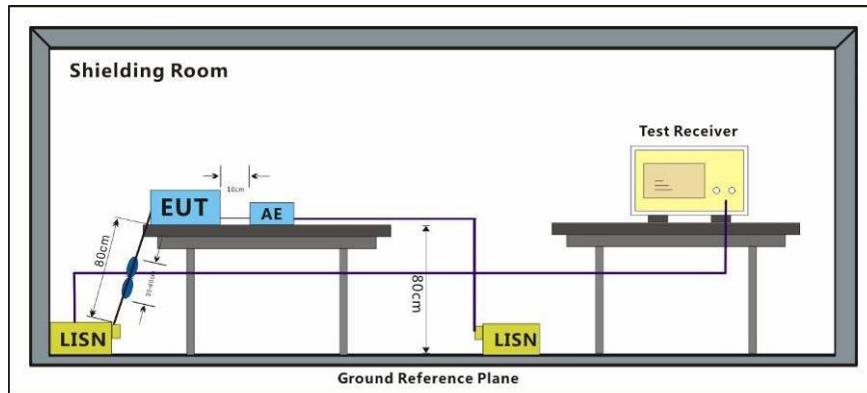
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/ F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

2.1.2 Test Setup Diagram



2.1.3 Measurement Data

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

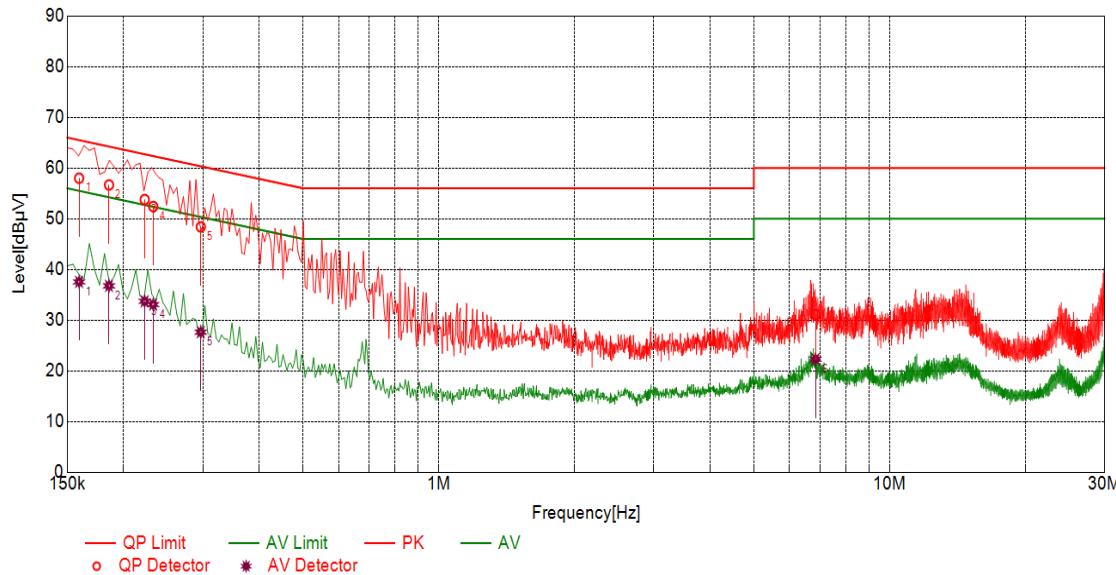
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

Mode:d; Line:Live Line



Test Graph

Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Type
1	0.1594	10.10	57.99	65.49	7.50	37.54	55.49	17.95	L
2	0.1857	10.10	56.66	64.22	7.56	36.76	54.22	17.46	L
3	0.2228	10.10	53.79	62.71	8.92	33.71	52.71	19.00	L
4	0.2327	10.10	52.40	62.35	9.95	33.07	52.35	19.28	L
5	0.2967	10.10	48.39	60.33	11.94	27.62	50.33	22.71	L
6	6.8521	10.10	31.08	60.00	28.92	22.28	50.00	27.72	L

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

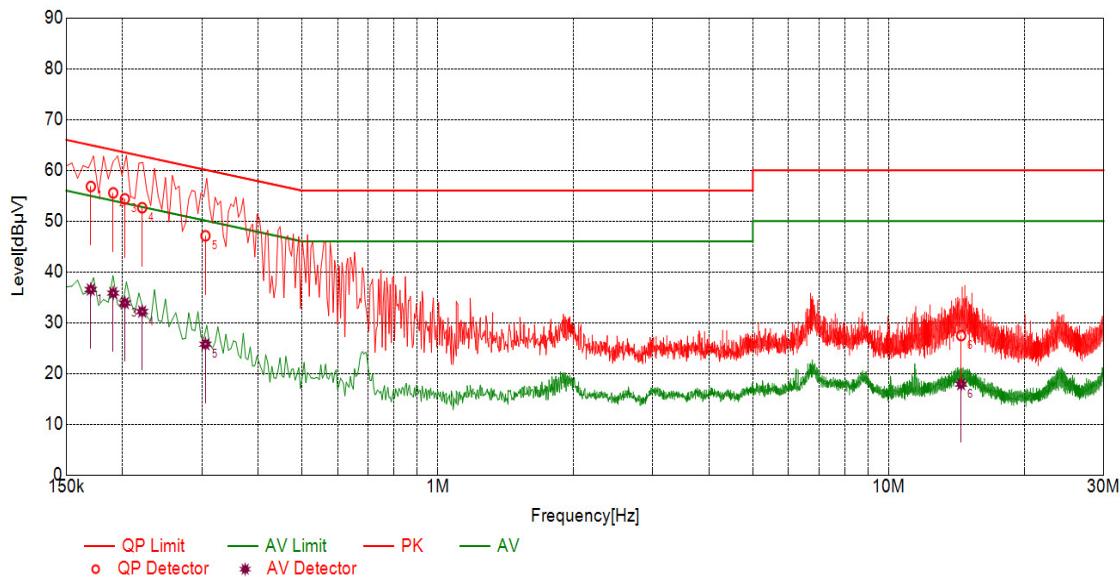
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

Mode:d; Line:Neutral Line



Test Graph

Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dB μ V]	QP Limit [dB μ V]	QP Margin [dB]	AV Value [dB μ V]	AV Limit [dB μ V]	AV Margin [dB]	Type
1	0.1701	10.10	56.81	64.96	8.15	36.52	54.96	18.44	N
2	0.1907	10.10	55.55	64.01	8.46	35.82	54.01	18.19	N
3	0.2024	10.10	54.37	63.51	9.14	33.87	53.51	19.64	N
4	0.2211	10.10	52.63	62.78	10.15	32.18	52.78	20.60	N
5	0.3055	10.10	47.10	60.09	12.99	25.76	50.09	24.33	N
6	14.4837	10.11	27.46	60.00	32.54	17.89	50.00	32.11	N

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

2.2 Radiated Emissions (30MHz-1GHz)

Test Requirement:	47 CFR Part 15, Subpart B
Test Method:	ANSI C63.4:2014
Frequency Range:	30MHz to 1GHz
Measurement Distance:	3m
Limit:	
30MHz -88MHz	40.0(dB μ V/m) quasi-peak
88MHz-216MHz	43.5(dB μ V/m) quasi-peak
216MHz-960MHz	46.0(dB μ V/m) quasi-peak
960MHz-1000MHz	54.0(dB μ V/m) quasi-peak
Detector:	Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz

2.1.4 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 66.5 % RH Atmospheric Pressure: 1010 mbar

Pretest these modes to find the worst case:

- a: Transfer data between the EUT1 and the PC+ Cable1
- b: Transfer data between the EUT1 and the PC+ Cable2
- c: GSM 850 Idle+ EUT1 +2.4G WLAN +battery1+usb cable(worst)+adapter1
- d: WCDMA Band V Idle+ EUT1 +2.4G WLAN +battery1+usb cable(worst)+adapter2
- e: LTE Band 5 Idle + EUT1 +2.4G WLAN+ battery1 +usb cable(worst)+adapter(worst)
- f: LTE Band 12 Idle+ EUT1 +5G WLAN +battery1 +usb cable(worst)+adapter(worst)
- g: LTE Band 13 Idle + EUT1+2.4G WLAN +battery1 +usb cable(worst)+adapter(worst)
- h: LTE Band 14 Idle + EUT1+2.4G WLAN +battery1 +usb cable(worst)+adapter(worst)
- i: LTE Band 26 Idle + EUT1 +5G WLAN +battery1 +usb cable(worst)+adapter(worst)
- j: LTE Band 5 Idle + EUT2 +2.4G WLAN+ battery2 +usb cable(worst)+adapter(worst)

The worst case for final test: e: LTE Band 5 Idle + EUT1 +2.4G WLAN+ battery1 +usb cable(worst)+adapter(worst)

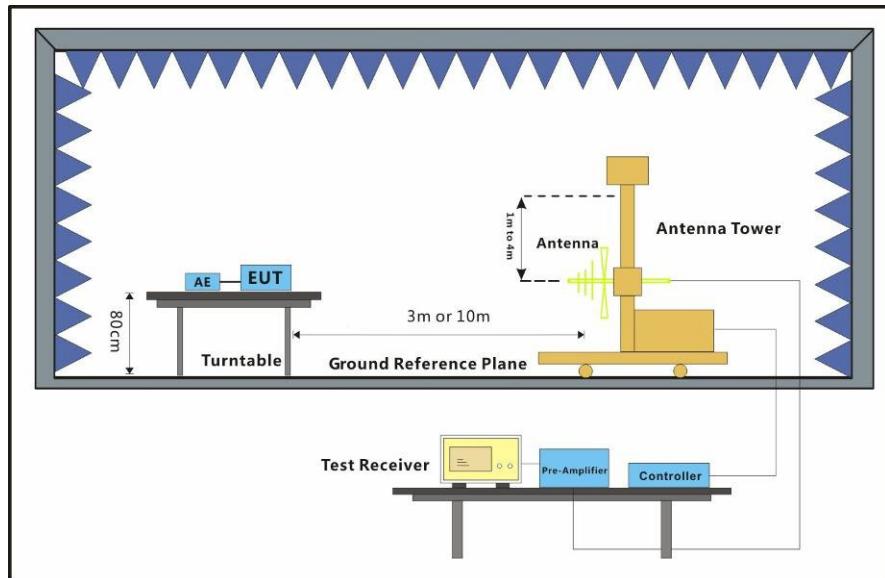
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/ F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

2.1.5 Test Setup Diagram**2.1.6 Measurement Data**

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

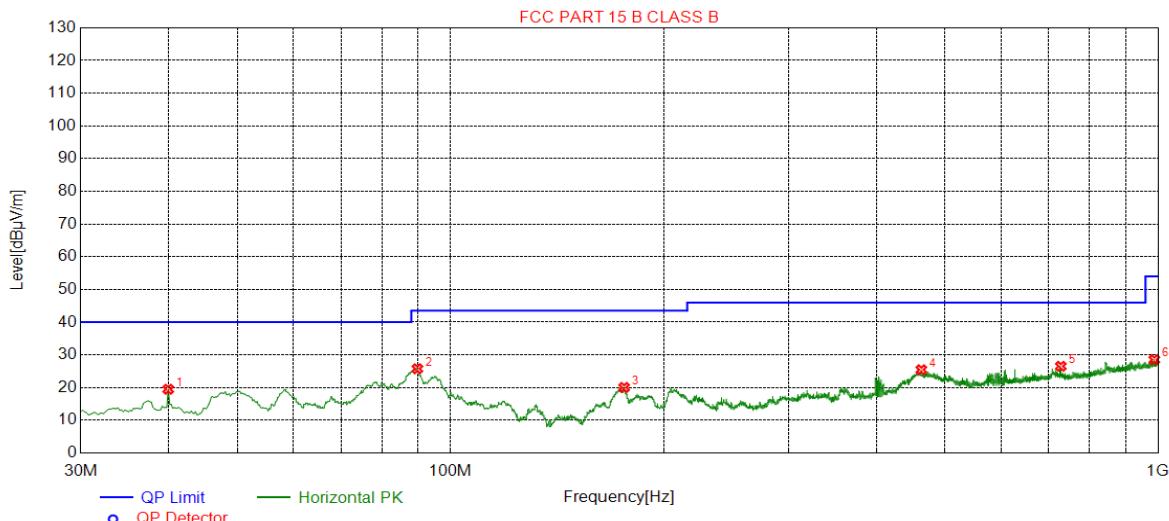
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

Mode:d; Polarization:Horizontal

**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.8960	19.51	-28.37	40.00	20.49	200	219	Horizontal
2	89.7640	25.76	-33.77	43.50	17.74	200	335	Horizontal
3	175.917	20.06	-33.60	43.50	23.44	100	26	Horizontal
4	462.900	25.47	-24.16	46.00	20.53	100	128	Horizontal
5	728.733	26.53	-18.83	46.00	19.47	200	239	Horizontal
6	988.163	28.54	-14.95	54.00	25.46	200	120	Horizontal

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

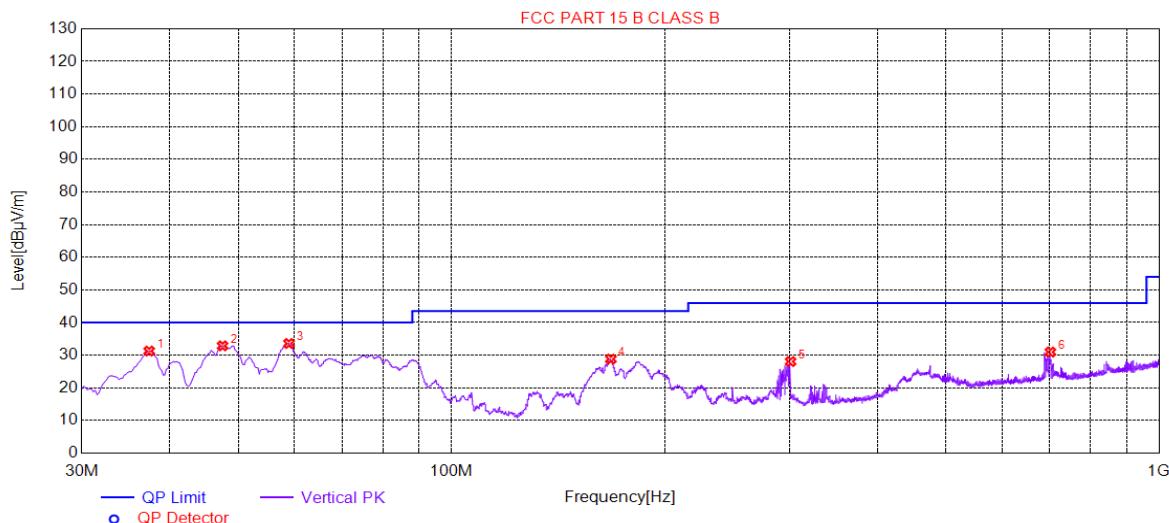
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

Mode:d; Polarization:Vertical

**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	37.3735	31.29	-29.19	40.00	8.71	100	14	Vertical
2	47.4635	32.89	-30.40	40.00	7.11	100	14	Vertical
3	58.9118	33.61	-31.70	40.00	6.39	100	339	Vertical
4	167.961	28.84	-34.16	43.50	14.66	100	325	Vertical
5	301.460	28.07	-28.22	46.00	17.93	100	48	Vertical
6	702.150	30.98	-19.46	46.00	15.02	200	245	Vertical

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

2.3 Radiated Emissions (above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B
Test Method: ANSI C63.4:2014
Frequency Range: Above 1GHz
Measurement Distance: 3m
Limit:
Above 1GHz 74(dB μ V/m) peak, 54(dB μ V/m) average
Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to18000MHz

2.1.7 E.U.T. Operation

Operating Environment:

Temperature: 21.7 °C Humidity: 56.4 % RH Atmospheric Pressure: 1010 mbar
Pretest these modes to find the worst case:
a: Transfer data between the EUT1 and the PC+ Cable1
b: Transfer data between the EUT1 and the PC+ Cable2
c: GSM 850 Idle+ EUT1 +2.4G WLAN +battery1+usb cable(worst)+adapter1
d: WCDMA Band V Idle+ EUT1 +2.4G WLAN +battery1+usb cable(worst)+adapter2
e: LTE Band 5 Idle + EUT1 +2.4G WLAN+ battery1 +usb cable(worst)+adapter(worst)
f: LTE Band 12 Idle+ EUT1 +5G WLAN +battery1 +usb cable(worst)+adapter(worst)
g: LTE Band 13 Idle + EUT1+2.4G WLAN +battery1 +usb cable(worst)+adapter(worst)
h: LTE Band 14 Idle + EUT1+2.4G WLAN +battery1 +usb cable(worst)+adapter(worst)
i: LTE Band 26 Idle + EUT1 +5G WLAN +battery1 +usb cable(worst)+adapter(worst)
j: LTE Band 5 Idle + EUT2 +2.4G WLAN+ battery2 +usb cable(worst)+adapter(worst)
The worst case for final test:
e: LTE Band 5 Idle + EUT1 +2.4G WLAN+ battery1 +usb cable(worst)+adapter(worst)

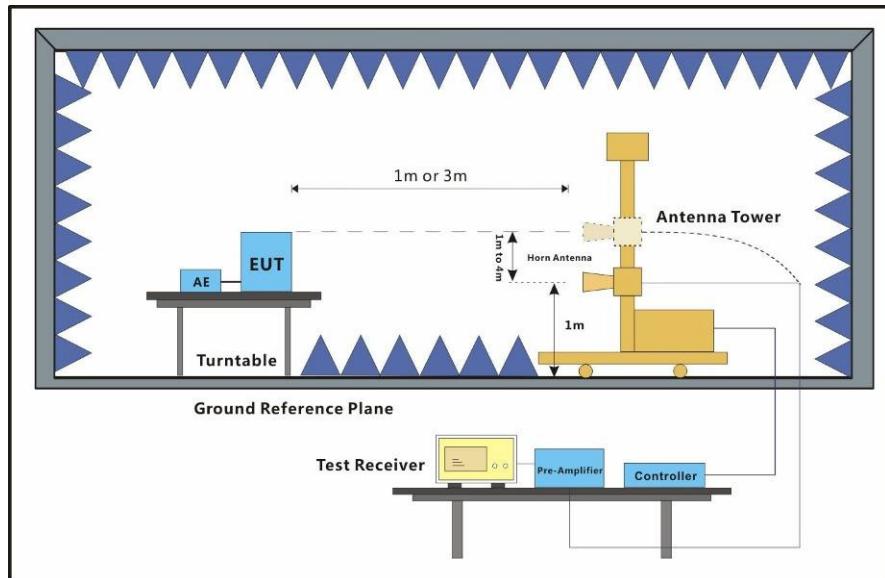
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/ F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

2.1.8 Test Setup Diagram**2.1.9 Measurement Data**

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

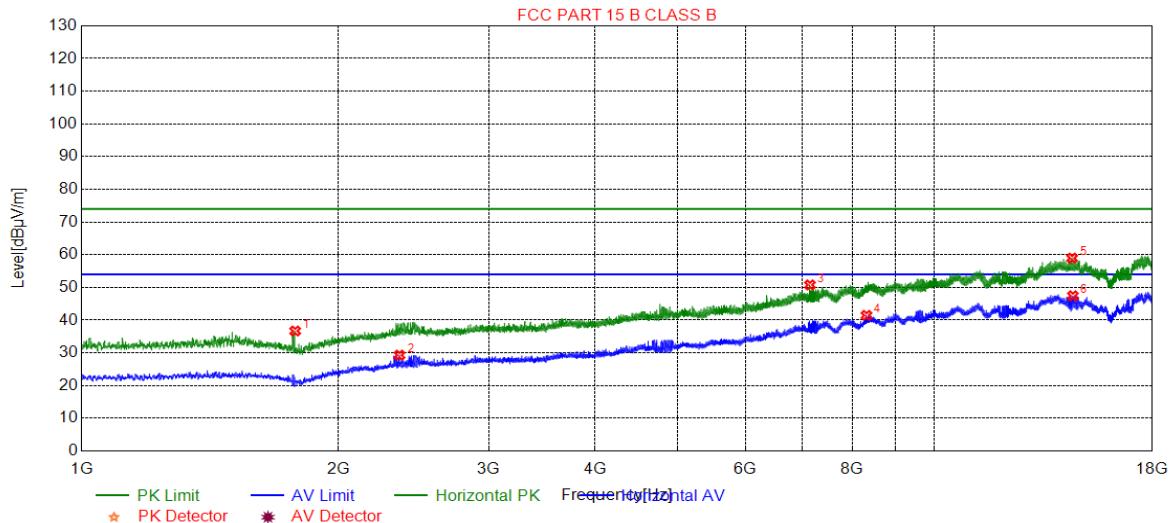
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/ F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

Mode:d; Polarization:Horizontal

**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1779.48	36.70	-32.10	74.00	37.30	100	230	Horizontal
2	2358.36	29.31	-26.64	54.00	24.69	100	40	Horizontal
3	7141.55	50.78	-10.58	74.00	23.22	100	3	Horizontal
4	8318.86	41.47	-7.75	54.00	12.53	100	3	Horizontal
5	14491.0	58.98	1.59	74.00	15.02	100	230	Horizontal
6	14522.4	47.45	1.56	54.00	6.55	200	243	Horizontal

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

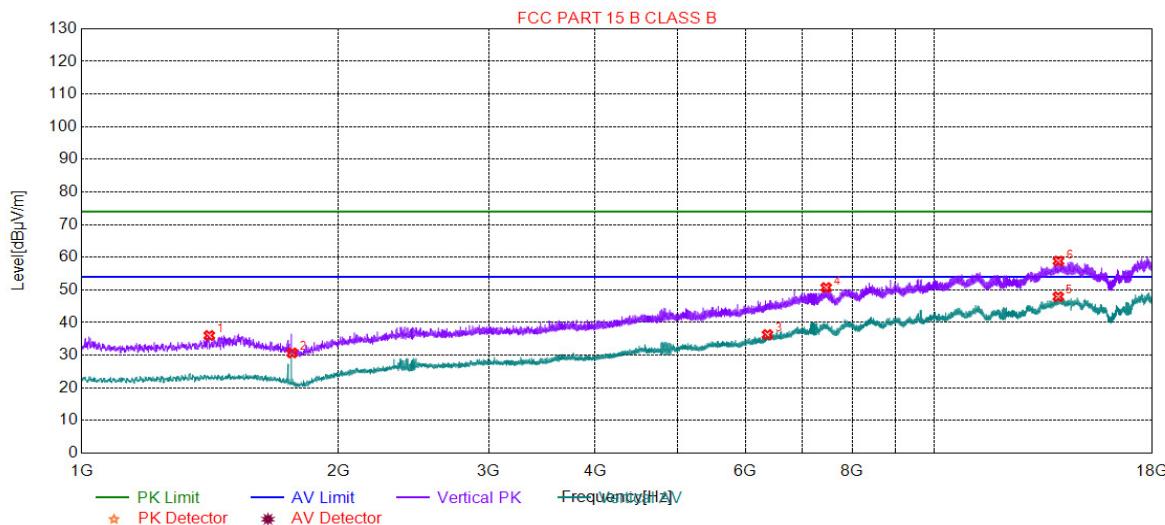
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

Mode:d; Polarization:Vertical

**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1411.42	36.04	-30.31	74.00	37.96	200	130	Vertical
2	1765.03	30.71	-31.89	54.00	23.29	100	154	Vertical
3	6368.01	36.32	-13.72	54.00	17.68	200	356	Vertical
4	7460.32	50.73	-9.83	74.00	23.27	200	16	Vertical
5	13959.7	47.94	2.21	54.00	6.06	100	4	Vertical
6	13966.5	58.85	2.22	74.00	15.15	100	307	Vertical

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

3 Equipment List

Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)
Semi-Anechoic Chamber	Brilliant-emc	966	XAW03-35-01	NCR	NCR
MXA signal analyzer	Keysight	N9020A	XAW01-06-01	2020/4/2	2021/4/2
Radio communication analyzer	ROHDE&SCHWARZ	CMW 500	XAW01-03-02	2020/4/2	2021/4/2
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-01	2020/9/7	2021/9/6
Receiving antenna	Rosenberger	VULB 9163	XAW01-09-01	2019/10/13	2021/10/12
Receiving antenna	Rosenberger	BBHA 9120D	XAW01-09-02	2019/10/13	2021/10/12
Receiving antenna	Rosenberger	BBHA 9170	XAW01-09-03	2019/10/13	2021/10/12
Directional antenna rack controller	Max-Full	MF-7802BS	XAW03-03-01	NCR	NCR
High-speed antenna rack controller	Max-Full	MF-7802	XAW03-04-01	NCR	NCR
Filter bank	Tonscend	JS0806-F	XAW03-05-01	NCR	NCR
Filter bank	Tonscend	JS0806s	XAW03-05-02	NCR	NCR
Amplifier	Tonscend	TAP00903040	XAW01-41-01	2020/11/18	2021/11/18
				2019/11/18	2020/11/18
Amplifier	Tonscend	TAP01018048	XAW01-41-02	2020/11/18	2021/11/18
				2019/11/18	2020/11/18
Amplifier	Tonscend	TAP18040048	XAW01-41-03	2020/12/3	2021/12/3
				2019/12/3	2020/12/3
Amplifier	Brilliant-emc	YX28980930	XAW01-41-06	2020/11/18	2021/11/18
				2019/11/18	2020/11/18
Artificial network	ROHDE&SCHWARZ	ENV216	XAW01-19-02	2020/9/16	2021/9/15

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/ F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Conduction Emission	± 3.4dB (150kHz to 30MHz)
2	Radiated Emission	± 4.8dB (30MHz-1GHz)
		± 5.2dB (1GHz-6GHz)
		± 5.5dB (6GHz-18GHz)
		± 5.02dB (18GHz-40GHz)

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/ F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com

5 Photographs

5.1 Test Setup

Refer to Appendix A - Photographs of Set-Up for ZR/2020/90032.

5.2 EUT Constructional Details (EUT Photos)

Refer to Photographs of EUT Constructional Details

- End of the Report -

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, 710086 www.sgsgroup.com.cn
Xi'an, Shaanxi, China

中国·西安·沣东新城科源三路 137 号康鸿橙方科技园 1 号楼 D 单元一层

邮编 710086 sgs.china@sgs.com