

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHCR220100006201 Page: 1 of 79

TEST REPORT

Test Result:	Pass*
Date of Issue:	2022-01-15
Date of Test:	2021-12-05 to 2022-01-14
Date of Receipt:	2021-12-05
Standard(s) :	47 CFR Part 15, Subpart C 15.247
¤	Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
	IPC-TA22C-G-LC,LC-A2X-G¤
	IPC-TA22CN-G-imou,IPC-TA22CN-G,
Model No.:	IPC-TA22CP-G-imou,IPC-TA22CP-G,
EUT Name:	CONSUMER CAMERA
Equipment Under Test (EU	Т):
Address of Manufacturer:	No.2930, Nanhuan Road, Binjiang District, Hangzhou, China
Manufacturer:	Hangzhou Huacheng Network Technology Co.,Ltd.
Address of Applicant:	No.2930, Nanhuan Road, Binjiang District, Hangzhou, China
Applicant:	Hangzhou Huacheng Network Technology Co.,Ltd.
FCC ID:	2AVYF-IPC-TAX2C-G
Application No.:	SHCR2201000062AT

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

parlan 2han

Parlam Zhan 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.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 faisification of the content or respective 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.Ooccheck@ses.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
中国・上海・松江区金都西路588号 邮编	: 201612



Report No.: SHCR220100006201 Page: 2 of 79

Revision Record			
Version	Description	Date	Remark
00	Original	2022-01-15	/

Authorized for issue by:		
	pichal Nic	
	Micheal Niu / Project Engineer	
	Parlam zhan	
	Parlam Zhan / Reviewer	



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 cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forger 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 det mether for only to te 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@esg.com

NO.588 West Jin	ndu Road, Songjiang District, Shanghai, 0	China	201612
中国・上海・	松江区金都西路588号	邮编:	201612



Report No.: SHCR220100006201 Page: 3 of 79

2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)	Pass

Radio Spectrum Matter Part				
ltem	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Minimum 6dB Bandwidth	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass
Conducted Average Output Power	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.9.2	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass
Power Spectrum Density	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass

Declaration of EUT Family Grouping:

Note: There are series models mentioned in this report, and they are the similar in electrical and electronic characters. Only the model IPC-TA22CP-G was tested since their differences were the model number and appearance.



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 cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or rappearance of this document test and offenders may be prosecuted to the fulliest 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 linspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

	Jindu Road, Songjiang District, SI	anghai, China	201612	
中国・上海	·松江区金都西路588号	邮编:	201612	



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHCR220100006201 Page: 4 of 79

3 Contents

		Page
1	COVER PAGE	1
2	TEST SUMMARY	3
3	CONTENTS	4
4	GENERAL INFORMATION	5
4	4.1 DETAILS OF E.U.T.	
4		
4	4.4 MEASUREMENT UNCERTAINTY	
4	4.5 TEST LOCATION	7
	-	7
		7
4	4.8 ABNORMALITIES FROM STANDARD CON	DITIONS
5	EQUIPMENT LIST	8
6	RADIO SPECTRUM TECHNICAL REQUI	REMENT10
6	6.1 ANTENNA REQUIREMENT	
7	RADIO SPECTRUM MATTER TEST RES	ULTS11
7	7.1 CONDUCTED EMISSIONS AT AC POWER	LINE (150KHz-30MHz)11
7	7.2 MINIMUM 6DB BANDWIDTH	
7		
7		
7		nt19
		21
		E RESTRICTED BANDS
7	7.8 RADIATED SPURIOUS EMISSIONS	
8	TEST SETUP PHOTOGRAPHS	
9	EUT CONSTRUCTIONAL DETAILS	



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 exoered the prior writem 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 inspect Report Refer only to the sample(s) are retained for 30 days only. Attention: To check the authenticity of testing inspect Report Refer only to the sample(s) are retained for 30 days only. (NO.588 West Jindir Road, Songiano District, Shanghai, China 201612 (186-21)61915666 (186-21)61915678 www.sgsgroup.com.cn

NO.588 West Ji	ndu Road, Songjiang District, Sh	anghai, China	201612	
中国・上海・	松江区金都西路588号	邮编:	201612	

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Report No.: SHCR220100006201 Page: 5 of 79

4 General Information

4.1 Details of E.U.T.

Power supply:	DC 5V by adapter
Test voltage:	AC120V/60Hz
Antenna Gain:	2.84dBi (Provided by manufacturer)
Antenna Type:	Plug-in shrapnel antenna
Channel Spacing:	5MHz
Modulation Type:	802.11b: DSSS (CCK, DQPSK, DBPSK)
	802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Data Rate:	802.11b:1/2/5.5./11Mbps
	802.11g:6/9/12/18/24/36/48/54Mbps
	802.11n: MCS 0 to 7
Number of Channels:	802.11b/g/n(HT20):11
	802.11n(HT40):7
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz
	802.11n(HT40): 2422MHz to 2452MHz

4.2 Power level setting using in test:

Channel	802.11b	802.11g	802.11n(HT20)
	Ant 1	Ant 1	Ant 1
1	default	default	default
6	default	default	default
11	default	default	default
Channel	802.11n(HT40)		
Channel	802.11n(HT40) Ant 1		
Channel 3			
	Ant 1		

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	N/A	WRP12C-050200U	N/A
Notebook	Lenovo	N/A	N/A



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 is atransaction from exercising all their rights and obligations under the transaction documents. This document is encoded 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@ess.com

NO.588 West J	indu Road, Songjiang District, Sh	anghai,China	201612	
中国・上海・	松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 6 of 79

4.4 Measurement Uncertainty

Item	Measurement Uncertainty
Radio Frequency	8.4 x 10 ⁻⁸
Timeout	2s
Duty Cycle	0.37%
Occupied Bandwidth	3%
RF Conducted Power	0.6dB
RF Power Density	2.9dB
Conducted Spurious Emissions	0.75dB
PE Dedicted Dever	5.2dB (Below 1GHz)
RF Radiated Powel	5.9dB (Above 1GHz)
	4.2dB (Below 30MHz)
Dedicted Spurious Emission Test	4.5dB (30MHz-1GHz)
Radiated Spurious Emission Test	5.1dB (1GHz-18GHz)
	5.4dB (Above 18GHz)
Temperature Test	1°C
Humidity Test	3%
Supply Voltages	1.5%
Time	3%
	Radio Frequency Timeout Duty Cycle Occupied Bandwidth RF Conducted Power RF Power Density Conducted Spurious Emissions RF Radiated Power Radiated Spurious Emission Test Temperature Test Humidity Test Supply Voltages

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



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 of Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esc.com

l	NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
	中国・上海・松江区金都西路588号 邮编:	201612



Report No.: SHCR220100006201 Page: 7 of 79

4.5 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China. Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

4.6 Test Facility

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

• CNAS (No. CNAS L4354)

CNAS has accredited Compliance Certification Services (Kunshan) Inc. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 2541.01)

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

• FCC (Designation Number: CN1172)

Compliance Certification Services Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

• ISED (CAB identifier: CN0072)

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 2324E

• VCCI (Member No.: 1938)

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600,C-11707, T-11499, G-10216 respectively.

4.7 Deviation from Standards

None

4.8 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-enDecument.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 Cilent's instructions, if any. The Company's sole responsibility is to its Cilent 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, attention: To check the authenticity of testing /inspection report & certificate, please contact us at the phone: (86-755) 8307 1443, attention: To check the authenticity of testing /inspection report & certificate, please contact us at the phone: (86-755) 8307 1443, attention: To check the authenticity of testing /inspection report & certificate, please contact us at the phone: (86-755) 8307 1443, attention: To check the authenticity of testing /inspecti

1	NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
	中国・上海・松江区金都西路588号 邮编:	201612



Report No.: SHCR220100006201 Page: 8 of 79

5 **Equipment List**

Item	Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal. Due Date
Con	ducted Emission at Mains Terminals (150	kHz-30MHz)				
1	EMI Test Receive	R&S	ESCI	100781	02/01/2021	01/31/2022
2	LISN	R&S	ENV216	101604	10/12/2021	10/11/2022
3	LISN	Schwarzbeck	NNLK 8129	8129-143	10/12/2021	10/11/2022
4	Pulse Limiter	R&S	ESH3-Z2	100609	02/01/2021	01/31/2022
5	CE test Cable	Thermax	/	14	10/16/2021	10/15/2022
6	Test Software	Farad	EZ-EMC	CCS-03A1	N.C.R	N.C.R
RF	Conducted Test	· · · · · ·				
1	Spectrum Analyzer	Agilent	E4446A	MY44020154	04/16/2021	04/15/2022
2	Spectrum Analyzer	Keysight	N9020A	MY55370209	10/11/2021	10/10/2022
3	Spectrum Analyzer	Keysight	N9010A	MY56480443	02/01/2021	01/31/2022
4	Signal Generator	Agilent	N5182A	MY50142015	08/27/2021	08/26/2022
5	Radio Communication Test Station	Anritsu	MT8000A	6262012849	N/A	N/A
6	Radio Communication Analyzer	Anritsu	MT8821C	6201692222	N/A	N/A
7	Universal Radio Communication Tester	R&S	CMW500	159275	10/12/2021	10/11/2022
8	Universal Radio Communication Tester	R&S	CMW500	167239	04/16/2021	04/15/2022
9	Power Meter	Anritsu	ML2495A	1445010	04/15/2021	04/14/2022
10	Switcher	CCSRF	FY562	KUS2001M001 -3	10/12/2021	10/11/2022
11	AC Power Source	EXTECH	6605	1570106	N.C.R	N.C.R
12	DC Power Supply	Aglient	E3632A	MY50340053	N.C.R	N.C.R
13	6dB Attenuator	Mini-Circuits	NAT-6-2W	15542-1	N.C.R	N.C.R
14	Power Divider	AISI	IOWOPE2068	PE2068	N.C.R	N.C.R
15	Filter	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
16	Conducted test cable	/	RF01-RF04	/	04/15/2021	04/14/2022
17	Software	BST	TST-PASS	N/A	N/A	N/A
18	Temp. / Humidity Chamber	TERCHY	MHK-120AK	X30109	04/15/2021	04/14/2022
19	Thermometer	Anymetre	TH603	CCS007	10/14/2021	10/13/2022
RF R	adiated Test	· · · · · ·				
1	Spectrum Analyzer	R&S	FSV40	101493	10/11/2021	10/10/2022
2	Signal Generator	Agilent	E8257C	MY43321570	10/18/2021	10/17/2022
3	Loop Antenna	Schwarzbeck	HXYZ9170	9170-108	02/22/2021	02/21/2022
4	Bilog Antenna	TESEQ	CBL 6112D	35403	06/21/2021	06/20/2023
5	Bilog Antenna	SCHWARZBECK	VULB9160	9160-3342	04/13/2021	04/12/2023
6	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	267	10/26/2020	10/25/2022
7	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	00143290	02/22/2021	02/21/2023
8	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	BBHA9170171	02/22/2021	02/21/2022
9	Pre-Amplifier(30MHz~18GHz)	LNA	/	/	04/15/2021	04/14/2022
10	Amplifier(18~40GHz)	COM-POWER	PAM-840A	461332	10/18/2021	10/17/2022
11	Low Pass Filter	MICRO-TRONICS	VLFX-950	RV142900829	N.C.R	N.C.R
12	High Pass Filter	Mini-Circuits	VHF-1200	15542	N.C.R	N.C.R
13	Filter (5450MHz~5770 MHz)	MICRO-TRONICS	BRC50704-01	2	N.C.R	N.C.R
14	Filter (5690 MHz~5930 MHz)	MICRO-TRONICS	BRC50705-01	4	N.C.R	N.C.R
15	Filter (5150 MHz~5350 MHz)	MICRO-TRONICS	BRC50703-01	2	N.C.R	N.C.R



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.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents 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: (66-755) 8307 1443, or email: CN.Os80 West Jindu Road Songiiano District Shanghai China 201612 (18621)61915666 file-2161915678 www.susgoroup.com.cn

LNJ.	NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
	中国・上海・松江区金都西路588号 邮编:	201612

t(86-21) 61915666 f(86-21) 61915678 www.sgsgroup.com.cn t(86-21) 61915666 f(86-21) 61915678 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHCR220100006201 Page: 9 of 79

16	Filter (885 MHz \sim 915 MHz)	MICRO-TRONICS	BRM14698	1	N.C.R	N.C.R
17	Filter (815 MHz \sim 860 MHz)	MICRO-TRONICS	BRM14697	1	N.C.R	N.C.R
18	Filter (1745 MHz \sim 1910 MHz)	MICRO-TRONICS	BRM14700	1	N.C.R	N.C.R
19	Filter (1922 MHz \sim 1977 MHz)	MICRO-TRONICS	BRM50715	1	N.C.R	N.C.R
20	Filter (2550 MHz)	MICRO-TRONICS	HPM13362	5	N.C.R	N.C.R
21	Filter (1532 MHz \sim 1845 MHz)	MICRO-TRONICS	BRM50713	1	N.C.R	N.C.R
22	Filter (2.4GHz)	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
23	RE test cable	/	RE01-RE04	/	04/15/2021	04/14/2022
24	Software	Faratronic	EZ_EMC-v 3A1	N/A	N/A	N/A



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 <u>http://www.sgs.com/en/Terms-and-Conditions.aspx</u> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</u>. 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@sysc.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612	t(86-21) 61915666 f(86-21) 61915	678 www.sgsgroup.com.cn
中国・上海・松江区金都西路588号 邮编:	201612	t(86-21) 61915666 f(86-21) 61915	678 e sgs.china@sgs.com





Report No.: SHCR220100006201 Page: 10 of 79

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:

The antenna is Plug-in shrapnel antenna and no consideration of replacement. The best case gain of the antenna is 2.84dBi.

Antenna location: Refer to Appendix (Internal Photos).



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 of Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions of Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions of 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 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 linspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@egs.com

NO.588 West Jindu Road, Songjiang District, Sha	nghai,China	201612	
中国・上海・松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 11 of 79

7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement	47 CFR Part 15, Subpart C 15.207
Test Method:	ANSI C63.10 (2013) Section 6.2
Limit:	

	Conducted limit(dBµV)			
Frequency of emission(MHz)	Quasi-peak	Average		
0.15-0.5	66 to 56*	56 to 46*		
0.5-5	56	46		
5-30	60	50		
*Decreases with the logarithm of the frequency.				



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 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 1aw. 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@spac.com

ļ	NO.588 West Jindu Road, Songjiang District, Shar	nghai, China	201612	t(86-2
	中国・上海・松江区金都西路588号	邮编:	201612	t(86-2

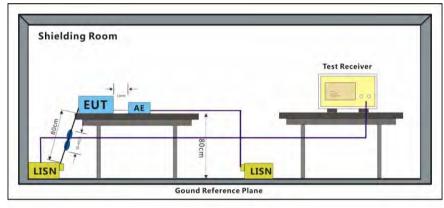


Report No.: SHCR220100006201 Page: 12 of 79

7.1.1 E.U.T. Operation

	-				
Operating Enviro	Operating Environment:				
Temperature:	24 °C	Humidity:	48 % RH	Atmospheric Pressure: 1	1010 mbar
Test mode	types. All dat data rate @ ^ worst case of 802.11n(HT2	a rates for each 1Mbps is the wo f IEEE 802.11g;	modulation ty orst case of IE data rate @ 0 13.5Mbps is t	transmitting mode with all m /pe have been tested and fou EE 802.11b; data rate @ 6M 6.5Mbps is the worst case of the worst case of IEEE 802.1 the report.	und the bps is the IEEE

7.1.2 Test Setup Diagram



7.1.3 Measurement Procedure and Data

1) The mains terminal disturbance voltage test was conducted in a shielded room.

2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50 μ H + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,

4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.

5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: LISN=Read Level+ Cable Loss+ LISN Factor



	Unless otherwise agreed in writing, this document is overleaf, available on request or accessible at http://ww subject to Terms and Conditions for Electronic Docum Attention is drawn to the limitation of liability, indemnif advised that information contained hereon reflects the Client's instructions, if any. The Company's sole resp transaction from exercising all their rights and obligati except in full, without prior written approval of the Co appearance of this document is unlawful and offenders results shown in this test report refer only to the sample's Attention: To check the authenticity of testing /inspe or email: CN.Doccheck@ags.com	w.sgs.com/en/Terms-and-Co ents at http://www.sgs.com/e ication and jurisdiction issue Company's findings at the tii onsibility is to its Client and ions under the transaction mpany. Any unauthorized ai may be prosecuted to the fui b) tested and such sample(s) :	nditions.aspx an n/Terms-and-Co s defined there me of its interv d this documen ocuments. This teration, forger lest extent of the are retained for	nd, for electronic onditions/Terms bin. Any holder ention only and t does not exo s document can y or falsification e law. Unless of 30 days only.	c format documents, s-e-Document.aspx. of this document is d within the limits of nerate parties to a nnot be reproduced on of the content or otherwise stated the	
ai) Co., Ltd.	NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612	t(86-21) 61915666	f(86-21)61915678	www.sgsgroup.com.cn	
	中国・上海・松江区金都西路588号 邮编:	201612	t(86-21) 61915666	f(86-21)61915678	e sgs.china@sgs.com	

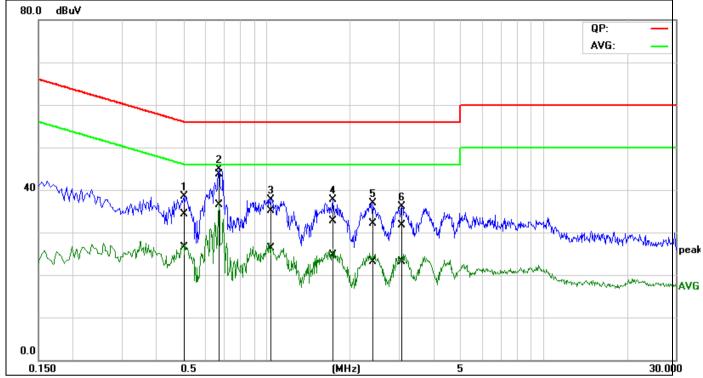


SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

 Report No.:
 SHCR220100006201

 Page:
 13 of 79

Mode:a; Line:Live Line



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.4959	14.53	6.72	19.80	34.33	26.52	56.07	46.07	-21.74	-19.55	Pass
2*	0.6724	24.01	16.72	19.73	43.74	36.45	56.00	46.00	-12.26	-9.55	Pass
3	1.0231	15.33	6.60	19.69	35.02	26.29	56.00	46.00	-20.98	-19.71	Pass
4	1.7411	13.00	4.93	19.71	32.71	24.64	56.00	46.00	-23.29	-21.36	Pass
5	2.4028	12.46	3.41	19.73	32.19	23.14	56.00	46.00	-23.81	-22.86	Pass
6	3.0671	11.96	3.39	19.75	31.71	23.14	56.00	46.00	-24.29	-22.86	Pass



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-a-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 cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the solutes the same 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) test and such sample(s) are retained for 30 days only.

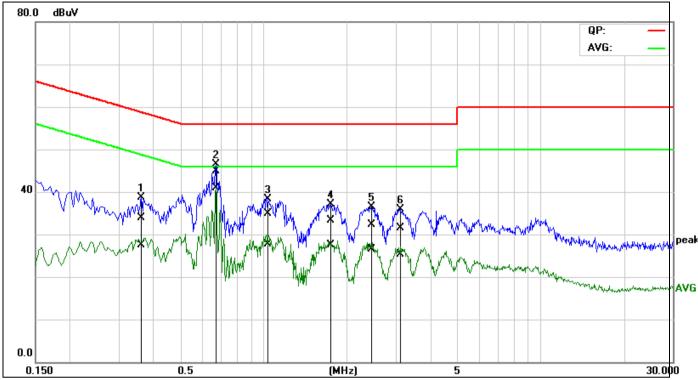
d.	NO.588 West Ji	ndu Road, Songjiang District, Sha	nghai,China	201612	
	中国・上海・	松江区金都西路588号	邮编:	201612	



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHCR220100006201 Page: 14 of 79

Mode:a; Line:Neutral Line



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.3607	14.11	7.70	19.78	33.89	27.48	58.71	48.71	-24.82	-21.23	Pass
2*	0.6739	25.18	21.22	19.73	44.91	40.95	56.00	46.00	-11.09	-5.05	Pass
3	1.0332	15.19	8.11	19.69	34.88	27.80	56.00	46.00	-21.12	-18.20	Pass
4	1.7401	13.65	7.82	19.71	33.36	27.53	56.00	46.00	-22.64	-18.47	Pass
5	2.4652	12.61	6.81	19.73	32.34	26.54	56.00	46.00	-23.66	-19.46	Pass
6	3.0997	11.82	5.47	19.75	31.57	25.22	56.00	46.00	-24.43	-20.78	Pass



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.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents 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: (66-755) 8307 1443, or email: CN.Os80 West Jindu Road Songiano District Shanghai China 201612

d.	NO.588 West Jindu Road, Songjiang District, Shanghai, China		201612		
	中国・上海	·松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 15 of 79

7.2 Minimum 6dB Bandwidth

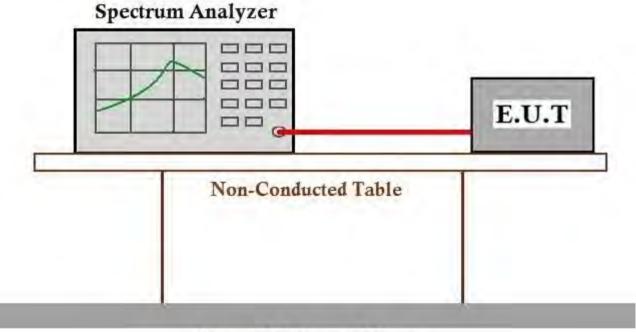
Test Requirement	47 CFR Part 15, Subpart C 15.247a(2)
Test Method:	ANSI C63.10 (2013) Section 11.8.1
Limit:	≥500 kHz

7.2.1 E.U.T. Operation

Operating Environment:

Temperature:24 °CHumidity:50 % RHAtmospheric Pressure:1010 mbarTest modea:TX mode_Keep the EUT in continuously transmitting mode with all modulation
types. All data rates for each modulation type have been tested and found the
data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the
worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE
802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40).
Only the data of worst case is recorded in the report.

7.2.2 Test Setup Diagram



Ground Reference Plane

7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SHCR220100006201



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

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
中国・上海・松江区金都西路588号 邮编:	201612



Report No.: SHCR220100006201 Page: 16 of 79

7.3 Conducted Average Output Power

Test Requirement47 CFR Part 15, Subpart C 15.247(b)(3)Test Method:ANSI C63.10 (2013) Section 11.9.2Limit:

Frequency range(MHz)Output power of the intentional radiator(watt)		
	1 for ≥50 hopping channels	
902-928	0.25 for 25≤ hopping channels <50	
	1 for digital modulation	
	1 for ≥75 non-overlapping hopping channels	
2400-2483.5	0.125 for all other frequency hopping systems	
	1 for digital modulation	
5725-5850	1 for frequency hopping systems and digital modulation	



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612	t
中国・上海・松江区金都西路588号 邮编:	201612	t

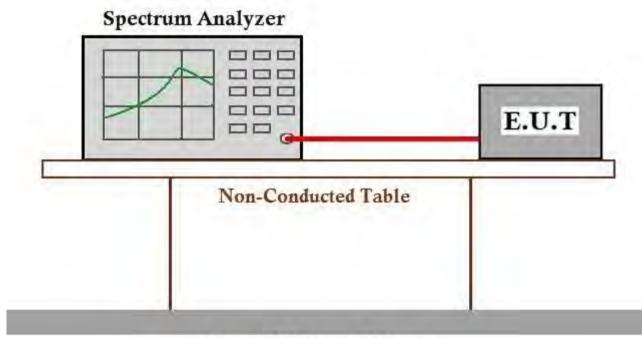


Report No.: SHCR220100006201 Page: 17 of 79

7.3.1 E.U.T. Operation

Operating Enviro	onment:		
Temperature:	24 °C Humidity:	50 % RH	Atmospheric Pressure: 1010 mbar
Test mode	types. All data rates for ea data rate @ 1Mbps is the worst case of IEEE 802.1	ach modulation ty worst case of IE 1g; data rate @ 6 @ 13.5Mbps is t	transmitting mode with all modulation ype have been tested and found the EE 802.11b; data rate @ 6Mbps is the 6.5Mbps is the worst case of IEEE the worst case of IEEE 802.11n(HT40). the report.

7.3.2 Test Setup Diagram



Ground Reference Plane

7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SHCR220100006201



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-eDocument.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 cannot be reproduced except in full, without prior writen 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.

NO.588 West	Jindu Road, Songjiang District, Sha	nghai,China	201612	
中国・上海	·松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 18 of 79

7.4 Power Spectrum Density

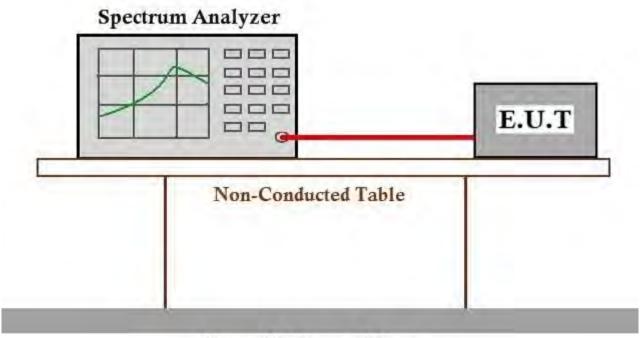
Test Requirement	47 CFR Part 15, Subpart C 15.247(e)
Test Method:	ANSI C63.10 (2013) Section 11.10.2
Limit:	\leq 8dBm in any 3 kHz band during any time interval of continuous transmission

7.4.1 E.U.T. Operation

Operating Environment:

Temperature:24 °CHumidity:50 % RHAtmospheric Pressure:1010 mbarTest modea:TX mode_Keep the EUT in continuously transmitting mode with all modulation
types. All data rates for each modulation type have been tested and found the
data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the
worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE
802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40).
Only the data of worst case is recorded in the report.

7.4.2 Test Setup Diagram



Ground Reference Plane

7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SHCR220100006201



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-en-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 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 bangle(s) are retained for 30 days only. Attention: To check the authenticity of testing linspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
中国・上海・松江区金都西路588号 邮编:	201612



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHCR220100006201 Page: 19 of 79

7.5 Conducted Band Edges Measurement

47 CFR Part 15, Subpart C 15.247(d) **Test Requirement** Test Method: ANSI C63.10 (2013) Section 11.13.3.2 Limit: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)



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.aspx and, for electronic format documents, 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 to its Client and this document only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and 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 certificate, please contact us at telephone: (86-755) 8307 1443, or certificate, please contact us at telephone: (86-755) 8307 1443, or certificate, please contact us at telephone: (86-755) 8307 1443, or certificate, please contact us at telephone: (86-755) 8307 1443, or certificate, please contact us at telephone: (86-755) 8307 1443, or certificate, please contact us at telephone: (86-755) 8307 1443, or certificate, please contact us at telephone: (86-755) 8307 1443, or c

١	10.588 West Jindu Road, Songjiang District, Shanghai, Chi	ina	201612
F	中国・上海・松江区金都西路588号 邮約	编:	201612

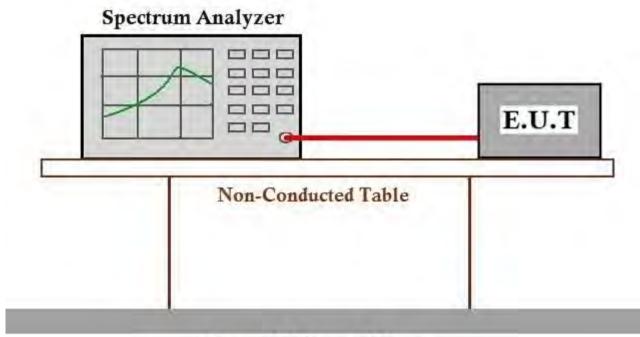


Report No.: SHCR220100006201 Page: 20 of 79

7.5.1 E.U.T. Operation

Operating Enviro	onment:		
Temperature:	24 °C Humidity:	50 % RH	Atmospheric Pressure: 1010 mbar
Test mode	types. All data rates for ea data rate @ 1Mbps is the worst case of IEEE 802.11	ach modulation ty worst case of IE 1g; data rate @ 6 @ 13.5Mbps is t	transmitting mode with all modulation ype have been tested and found the EE 802.11b; data rate @ 6Mbps is the 6.5Mbps is the worst case of IEEE the worst case of IEEE 802.11n(HT40). the report.

7.5.2 Test Setup Diagram



Ground Reference Plane

7.5.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SHCR220100006201



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-eDocument.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 cannot be reproduced except in full, without prior writen 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.

NO.588 West	Jindu Road, Songjiang District, Sha	nghai,China	201612	
中国・上海	·松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 21 of 79

7.6 Conducted Spurious Emissions

Test Requirement	47 CFR Part 15, Subpart C 15.247(d)
Test Method:	ANSI C63.10 (2013) Section 11.11
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)



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 rappearance 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 linspection report & certificate, lease contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

NO.588 West Jin	ndu Road, Songjiang District, Sha	nghai,China	201612	
中国・上海・	松江区金都西路588号	邮编:	201612	

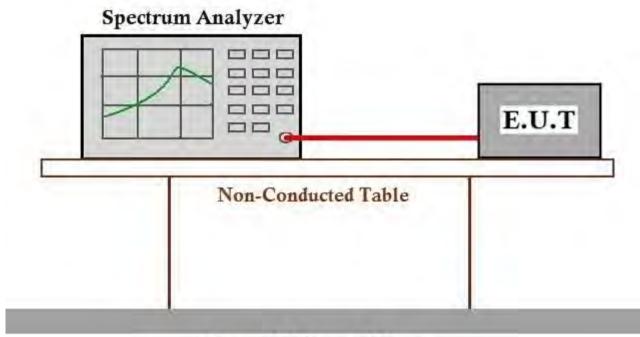


Report No.: SHCR220100006201 Page: 22 of 79

7.6.1 E.U.T. Operation

Operating Enviro	onment:		
Temperature:	24 °C Humidity:	50 % RH	Atmospheric Pressure: 1010 mbar
Test mode	types. All data rates for ea data rate @ 1Mbps is the v worst case of IEEE 802.11	ch modulation ty worst case of IEI g; data rate @ 6 @ 13.5Mbps is t	transmitting mode with all modulation ype have been tested and found the EE 802.11b; data rate @ 6Mbps is the 6.5Mbps is the worst case of IEEE the worst case of IEEE 802.11n(HT40). the report.

7.6.2 Test Setup Diagram



Ground Reference Plane

7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SHCR220100006201



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-eDocument.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 cannot be reproduced except in full, without prior writen 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.

NO.588 West	Jindu Road, Songjiang District, Sha	nghai,China	201612	
中国・上海	·松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 23 of 79

7.7 Radiated Emissions which fall in the restricted bands

 Test Requirement
 47 CFR Part 15, Subpart C 15.209 & 15.247(d)

 Test Method:
 ANSI C63.10 (2013) Section 6.10.5

 Limit:
 Ansi C63.10 (2013) Section 6.10.5

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



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-enc-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 connot 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 linspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@esc.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
中国・上海・松江区金都西路588号 邮编:	201612

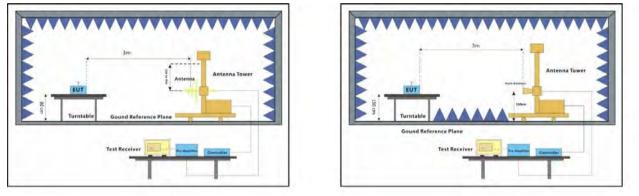


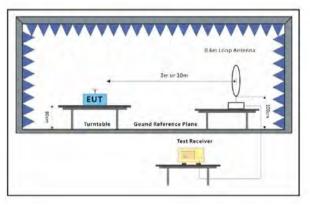
Report No.: SHCR220100006201 Page: 24 of 79

7.7.1 E.U.T. Operation

Operating Enviro	nment:	
Temperature:	24 °C Humidity: 50 % RH Atmospheric Pressure: 101	0 mbar
Test mode	a:TX mode_Keep the EUT in continuously transmitting mode with all mod types. All data rates for each modulation type have been tested and found data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbp worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n Only the data of worst case is recorded in the report.	I the s is the EE

7.7.2 Test Setup Diagram







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 cannot be reproduced except in full, without prior writen approval of the Company. Any unauthorized alteration, forger 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@asp.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612	t(86-21) 61915666	f(86-21)61915678	www.sgsgroup.com.cn
中国・上海・松江区金都西路588号 邮编:	201612	t(86-21) 61915666	f(86-21)61915678	e sgs.china@sgs.com

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Report No.: SHCR220100006201 Page: 25 of 79

7.7.3 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in 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 of 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 to a soft and their in the investigation is to its Client's instructions, if any. The Company's sole responsibility is to its Client and this document for a transaction from exercising all their rights and obligations under the transaction documents. 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@ess.com

NO.588 West Jindu Road, Songjiang District, Shangha	ai,China	201612	
中国・上海・松江区金都西路588号	邮编:	201612	



 Report No.:
 SHCR220100006201

 Page:
 26 of 79

1	20.	0 dBu∀/m															
																iit1: — iit2: —	
														*			
													Δ				
												- /					
	60											\wedge			v~\		
												ř			7		
		g ^{an (I} rayyaha wa Yurada wa	цан Ангентери	. ماهر العرق ز	neografian.	egroup des	i som	- por waar	Munn	n-protein ^e	1.18°				, vv	and a second second second	
	0.0																
		310.0002324	1.00 233	8.00	235	2.00	235	6.00	238	0.00	239	1.00	2108	.00 242	2.00	2150.00	Hz
D.	F	requency (MHz)	Reading (dBuV)		Corrector(d			esult BuV/m)		Lim dBuV		Març (dE			Ren	nark	
	1	2387.420	64.78		-14.0			0.76		74.0	-	-23.	24		ре	ak	
	1	2390.000	63.70		-14.0	01	4	9.69		74.0	0	-24.	31		pe	ak	
	1	2413.320	113.96		-13.9	94	1(00.02		74.0	0	26.	02		ре	ak	

Mode:a; Polarization:Horizontal; Modulation:b; bandwidth:20MHz; Channel:Low



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 or 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 on exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esg.com

NO.588 West Jindu Road, Songjiang District, Shanghai, Chin	a	201612
中国・上海・松江区金都西路588号 邮编	1	201612



Report No.: SHCR220100006201 Page: 27 of 79

																		Lim Lim			
															ŝ	in the second se					
														A		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				_	
														/	-					=	
	60												\nearrow				5				
		www.agadad	upre-	employ	X	nto na filmagne in spe	yon same ho	ann agu	shi mina she	(hyperiod		20						- Arm	-benterat	e persola	
															_					\neg	
	0.0																				
	23	310.0002324	1.00	233	8.0	0 235	2.00	235	6.00	238	0.00	239	1.00	2408	B .0	0 212	2.00		215	0.00 H	ИHz
).	F	requency (MHz)		leadin dBuV		Corre factor(esult BuV/m)		Lim (dBu\		Mar (d		Τ			Ren	nark		
	1	2340.100		61.75		-14.	15	4	7.60		74.0	0	-26	6.40				pe	ak		
	1	2390.000		59.70		-14.	01	4	5.69		74.0	0	-28	.31	Τ			pe	ak		
	:	2410.800		105.39)	-13.	94	9	1.45		74.0)0	17	.45	Т			pe	ak		

Mode:a; Polarization:Vertical; Modulation:b; bandwidth:20MHz; Channel:Low



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 rappearance 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: (86-75) 8307 1443, or email: Ch. Doccheck@sgs.com

ļ	NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
	中国・上海・松江区金都西路588号 邮编:	201612





Report No.: SHCR220100006201 Page: 28 of 79

1	120.0 dB	u∀/m											
											Lim Lim		
		Å	χ										
			$\overline{)}$										
	60		1										
				The start plane ,	-	Manhur	Conderan	wingto any na sana katala na	where he maked	and many marine	entral menu	under an approx	
								-					
	0.0												
	2150.00	0 2 4 6 9	5.00 2480	.00 249	5.00	2510	.00 2	525.00 254	0.00 255	5.00 257	0.00	2500.001	MHz
No.	Freque (MHz		Reading (dBuV)	Corrector(c			esult uV/m)	Limit (dBuV/m)	Margin (dB)		Rem	nark	
1	2463.2	200	112.43	-13.	78	98	3.65	74.00	24.65		pea	ak	
2	2483.	500	62.23	-13.		48	3.52	74.00	-25.48		pea	ak	
3	2484.		63.26	-13.	70	49	9.56	74.00	-24.44		pea		
4	2500.	000	60.59	-13.	64	46	6.95	74.00	-27.05		pea	ak	

Mode:a; Polarization:Horizontal; Modulation:b; bandwidth:20MHz; Channel:High



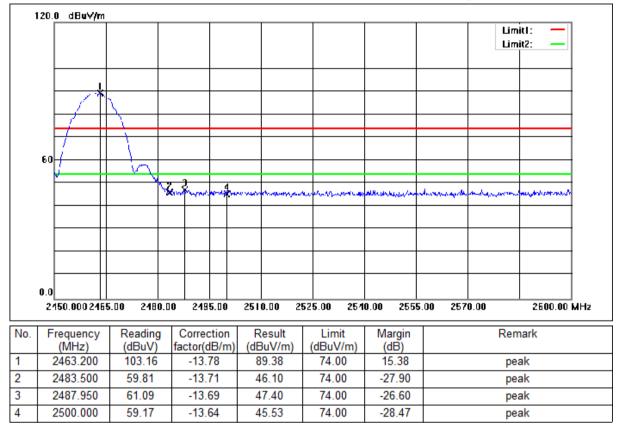
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic 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 linspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@gs.com

Į,	NO.588 West Jindu Road, Songjiang District, Shanghai, Chir	ıa	201612
	中国・上海・松江区金都西路588号 邮络		201612



 Report No.:
 SHCR220100006201

 Page:
 29 of 79



Mode:a; Polarization:Vertical; Modulation:b; bandwidth:20MHz; Channel:High



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.aspx and, for electronic format documents, 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 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 destruction is less 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@ses.com

	du Road, Songjiang District, Sha	anghai,China	201612	
中国・上海・	松江区金都西路588号	邮编:	201612	



 Report No.:
 SHCR220100006201

 Page:
 30 of 79

	20. 													1.1.00		
														Lim Lim		
												~~~				
								_								_
	60								<u>ي</u>					Ju.		
					<u> </u>			www	<u>*</u>				_		man la	Villian
		www.edu.orgethum					میں دیکھر الکرمیں ہے۔ ا									
	0.0															
		310.0002324	1.00 233	8.00 23	52.00	2356.	.00 2	380.00	239	1.00	2408	3.00 24	122.00		2150	).00 MH:
	23 F	310.0002324 requency (MHz)	Reading (dBuV)		ction	Re	.00 2 esult	380.00 Limi (dBuV	t	Ма	2408 Irgin IB)	3.00 24	122.00	Rem		).00 MH:
	23 F	requency (MHz) 2389.660	Reading (dBuV) 73.52	g Corre factor( -14	ction dB/m) .01	Re (dBu 59	esult uV/m) 0.51	Limi (dBuV 74.0	t /m) 0	Ma (d -14	irgin IB) 1.49	3.00 2-	122.00	pea	nark ak	).00 MH:
0.	23 F	310.0002324 requency (MHz)	Reading (dBuV)	g Corre factor(	ction dB/m) .01	Re (dBu 59	esult uV/m)	Limi (dBuV	t /m) 0	Ma (d -14	rgin IB)	3.00 2-	122.00		nark ak	).00 MH

Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:Low



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 of Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@iss.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
中国・上海・松江区金都西路588号 邮编:	201612



Report No.: SHCR220100006201 Page: 31 of 79

1	20.	0 dBu∀/m														
															nitl: — nit2: —	
													3			
											(	<u> </u>				
	60											_				
										~ /	and the					
								مى ا		2/		_				
	0.0															
		310.0002324	1.00 2338	3.00 239	i2.00	235	6.00 2	238(	0.00	239	1.00 2	2108.	.00 242	2.00	2150.00 M	IHz
lo.	F	requency (MHz)	Reading (dBuV)	Corre factor(			lesult BuV/m)	6	Limit dBuV/		Marg (dB)	in		Rer	mark	
		2389.100	55.39	-14			1.38		54.00	_	-12.6			A	VG	
		2390.000	56.41	-14	01	4	2.40	$\top$	54.00	)	-11.6	60		A	VG	
		2413.320	104.60	-13	94	9	0.66		54.00	)	36.6	6		A	VG	

Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:Low



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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esp.com

	du Road, Songjiang District, Shang	ghai,China	201612
中国・上海・	松江区金都西路588号	邮编:	201612



Report No.: SHCR220100006201 Page: 32 of 79

		0 dBuV/m										Limi Limi		
									- f	×				
	60										m	<b>`</b>		
								4	-			_		-
		a parantara sa bar	inga marakanen	personal de la composition	and the set		- Augusta	1 marine				-	Municonstruction	
		er journe an anna an a	ingn meðarhassiðis	person and the local sectors	areathines,		an a	and warrand				- <b>N</b> N-	Municonstra	•
		e par na sun a sudar			are a state of the state	entre l	an a						de som opposite	•
	0.0		10-40 Tradination	990									ndr-servertere	-
	0.0				j2.00	2356				08.00 2	2122.00		2150.00	-
0.	0.0 23			8.00 239 9 Corre factor(1	i2.00	2356 Re			91.00 2 [,] Margir		1/122.00	Rem	2150.00	-
	0.0 2: F	310.0002324	1.00 233	8.00 238 ) Corre	i2.00 ction dB/m) 05	2356 2356 (dBi 48	i.00 2: esult	380.00 23	91.00 2 [,] Margir	1	122.00		2150.00 nark ak	-

Mode:a; Polarization:Vertical; Modulation:g; bandwidth:20MHz; Channel:Low



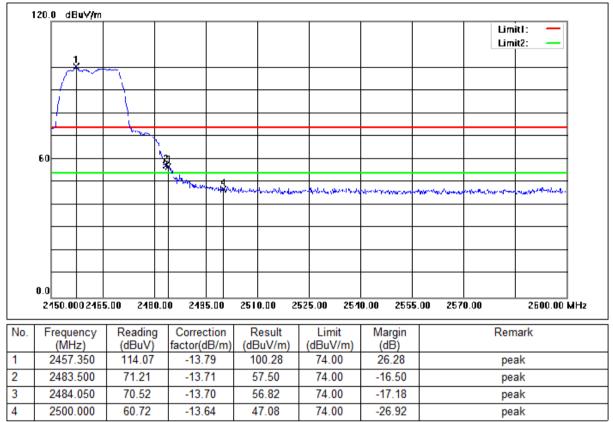
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents 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: (66-755) 8307 1443, or email: CN.Os80 West Jindu Road Songiano District Shanghai China 201612

ų	NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
	中国・上海・松江区金都西路588号 邮编:	201612





Report No.: SHCR220100006201 Page: 33 of 79



Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:High



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 of Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esc.com

NO.588 West Jindu Road, Songjiang District,	Shanghai, China 201612
中国・上海・松江区金都西路588号	邮编: 201612





Report No.: SHCR220100006201 Page: 34 of 79

1	120. <u>0</u>	dBu∀/m															_
															Limit Limit		
	4	,															
	60																
				2		*					· · · · · · · · · · · · ·		v				
	0.0	.000 2465	5.00 248	0 0	0 249	5.00	251	0.00 2	:525	00 254	0.00 255	5.00	2570	1.00		2500.00	MH2
									1				Lord				
No.	Freq (N	uency 1Hz)	Reading (dBuV)		Correct factor(d			lesult BuV/m)	(0	Limit IBuV/m)	Margin (dB)			ł	Rema	ark	
1	246	5.150	103.43		-13.1	76	8	9.67		54.00	35.67				AV		
2		3.500	55.07		-13.7		_	1.36		54.00	-12.64				AV		
3		34.350	53.97		-13.7		-	0.27	<u> </u>	54.00	-13.73	_			AV		
4	250	0.000	49.15		-13.6	o4	1 3	5.51		54.00	-18.49				AV	6	

Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:High



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 linspection report & certificate, lease contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

I.	NO.588 West Jir	du Road, Songjiang District, Shanghai	China	201612
	中国・上海・			201612



 Report No.:
 SHCR220100006201

 Page:
 35 of 79

1	20.	0 de	lu∀/m											
												Lim Lim		
		ļ	Ł											
		1	~~											
ĺ		1												
	60	1		L										
					A stated out	and a	low the ma	which the work	ad an an an an	antheme was		Maurian		
	0.0													
		150.00	02469	5.00 2480	).00 249	5.00	251	0.00 2!	525.00 254	0.00 255	5.00 257	0.00	2500.00	MHz
No.	F	reque (MH		Reading (dBuV)	Corrector(c			esult BuV/m)	Limit (dBuV/m)	Margin (dB)		Ren	nark	
1	1	2457.		105.20	-13.			1.41	74.00	17.41		pe	ak	
2	1	2483.	500	62.02	-13.	71	4	8.31	74.00	-25.69		pe	ak	
3	1	2484.	500	62.81	-13.	70	4	9.11	74.00	-24.89		pe	ak	
4	1	2500.	000	59.46	-13.	64	4	5.82	74.00	-28.18		pe	ak	

Mode:a; Polarization:Vertical; Modulation:g; bandwidth:20MHz; Channel:High



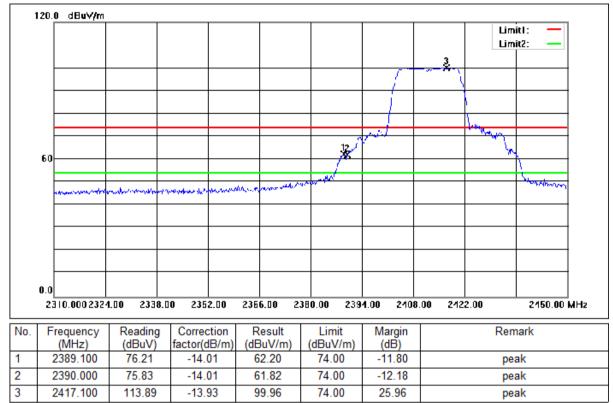
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic 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 linspection report & certificate, lease contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

ų	NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
	中国・上海・松江区金都西路588号 邮编:	201612



 Report No.:
 SHCR220100006201

 Page:
 36 of 79



Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



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.aspx and, for electronic format documents, 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 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 destruction is less 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@ses.com

	ndu Road, Songjiang District, Sha	nghai,China	201612	
中国・上海・	松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 37 of 79

1	20.	0 dBu∀/m		_															
																	Lim Lim		
													_						
													$\vdash$						
	60															1			
											¥.					Law yo			
																		·	
	0.0																		
	23	110.000232	1.00 233	8.0	0 235	2.00	235	6.00	238	0.00	239	1.00	2408	6. <b>00</b>	212	2.00		2150.00	MHz
).	F	requency (MHz)	Reading (dBuV)		Correct factor(c			esult BuV/m)	(	Limit (dBuV/		Ma (d	argin IB)				Rem	nark	
	2	2389.380	58.23		-14.			4.22		54.00	)	-9	).78				AV	′G	
	2	2390.000	58.84		-14.	01	4	4.83		54.00	)	-9	).17				AV	′G	
$\neg$	2	2415.000	104.34		-13.	93	9	0.41	$\top$	54.00	)	- 36	5.41				AV	/G	

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



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 of Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esc.com

NO.588 West Jindu Road, Songjiang District, Shangha	i,China	201612	
中国・上海・松江区金都西路588号	邮编:	201612	



 Report No.:
 SHCR220100006201

 Page:
 38 of 79

															Lim Lim		_	
											<u>_</u> \$		~					
											$\vdash$							
	60									Jan V				lim	<b>w1</b>			
		and the second secon	من			In the second	d-c time	and the Am	*						<u> </u>	-	And water	
										1			I					
								1										
I	0.0																	
1		110.0002324	1.00 233	8.00 23	52.00	2366.00	23	380.00	239	1.00	240	8.00	212:	2.00		21!	50.00	MHz
	23	alo.0002324 requency (MHz)	1.00 233 Readin (dBuV)	g Corre	52.00	Resu	lt	380.00 Limi (dBuV/	t	Ma	210: rgin B)	8.00	242:	2.00	Ren		50.00	MHz
	23 Fi	requency (MHz) 2389.100	Reading (dBuV) 66.70	g Corre factor -14	ection (dB/m) .01	Resu (dBuV/ 52.69	lt 'm) Ə	Limi (dBuV 74.0	t /m) 0	Ma (d -21	rgin B) 1.31	8.00	212:	2.00	Ren	nark	50.00	MHz
).	23 Fi	requency (MHz)	Reading (dBuV)	g Corre factor -14	ection (dB/m)	Resu (dBuV/	lt 'm) Ə	Limi (dBuV	t /m) 0	Ma (d -21	rgin B)	8.00	212:	2.00		nark ak	50.00	

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



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 or 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 on exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esg.com

ļ	NO.588 West	lindu Road, Songjiang District, Sha	nghai,China	201612	
	中国・上海	·松江区金都西路588号	邮编:	201612	



 Report No.:
 SHCR220100006201

 Page:
 39 of 79

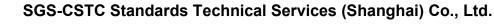
1	20.0	0 dBu∀/m		Γ									Lim Lim		
		,	1												
		1													
				-											
	60			n _e	Ĵ										
	00			Γ.	1										
				$\uparrow$	1.48	~~~	for all a species	der and	a lag	ge agen and the star	whether why all	an work when	Tarkan the m	and the second	
	0.0														
	21	150.000 2465	5.00 248	10.0	0 249	5.00	251	0.00	252	5.00 254	0.00 255	5.00 257	0.00	2600.00	MHz
0.	F	requency (MHz)	Readin (dBuV		Correct factor(d			lesult BuV/m)	T	Limit dBuV/m)	Margin (dB)		Ren	nark	
	2	2468.150	112.9	1	-13.1		4	9.20	+	74.00	25.20		pe	ak	
	2	2483.500	74.38		-13.7	71	6	0.67	+	74.00	-13.33			ak	
	2	2484.500	74.97		-13.7	70	6	1.27	+	74.00	-12.73		-	ak	
	2	2500.000	61.55		-13.0	64	4	7.91	$\top$	74.00	-26.09		pe	ak	

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
中国・上海・松江区金都西路588号 邮编:	201612





Report No.: SHCR220100006201 Page: 40 of 79

1	120.0 dBuv	//m																
															Lim Lim		_	
		-	·						+									
	-	+																
	60		1															
				Š		4	~~~~	······			·····	•	A				<b></b>	
		+				_			+			$\vdash$						
	0.0																	
	2150.000	2465	.00 248(	0.0	0 249	5.00	251	0.00 2	525	.0 <b>0 25</b> 4	0.00 255	55.0	0 257	0.00		260	00.00	MHz
No.	Frequen (MHz)		Reading (dBuV)		Correc factor(d			lesult BuV/m)	(0	Limit dBuV/m)	Margin (dB)	Τ			Rem	nark		
1	2464.85	50	102.92		-13.7	<b>′</b> 6	8	9.16		54.00	35.16				AV	'G		
2	2483.50		57.16		-13.7	1		3.45		54.00	-10.55				AV	'G		
3	2484.35	50	56.23		-13.7	0		2.53		54.00	-11.47				AV	'G		
4	2500.00	00	49.04		-13.6	64	3	5.40		54.00	-18.60				AV	'G		

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



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 linspection report & certificate, lease contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Į,	NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
	中国・上海・松江区金都西路588号 邮编:	201612



Report No.: SHCR220100006201 Page: 41 of 79

ľ	120.1	0 dBu∀/m							mit1: mit2:
	60				dua utter du chaquadu			anurstationariantert	
		150.000 2465		0 2495.00			0.00 2555	· · · · · · · · · · · · · · · · · · ·	2600.00 MHz
No.	F	requency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Re	emark
1	2	2467.100	103.46	-13.76	89.70	74.00	15.70	р	eak
2	2	2483.500	63.44	-13.71	49.73	74.00	-24.27	р	eak
3	2	2484.800	65.23	-13.70	51.53	74.00	-22.47	р	eak
4	2	2500.000	58.79	-13.64	45.15	74.00	-28.85	p	eak

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esp.com

I.	NO.588 West Jindu	Road, Songjiang District, Shanghai	,China	201612
	中国・上海・松	江区金都西路588号	邮编:	201612



Report No.: SHCR220100006201 Page: 42 of 79

																	Lim Lim		_	
													6			/		-		
													Ĺ							
											2	~~,	$\vdash$						~~	
	60								_	بمحسر	×⁄									
									v											
		ward water a	And the second second	و مور ا	متهيهم			Mark Contraction												
				1	I															
																			_	
	0.0																			
		310.0002324	1.00 233	8.00	235;		235		2380	0.00	239	1.00	240	8.00	212	2.00		215	50.00	MHz
0.	23		1.00 233 Readin (dBuV	g (		2.0 <b>0</b>	235 R			0.00 Lim	it	Ma	210 argin dB)	8.00	212	2.00	Ren		50.00	MHz
	23 F	310.0002324 requency	Readin	g ( ) fa	235; Correc	2.00 :tion  B/m)	235 R (dE	6.00 esult		Lim	it //m)	Ma (c	argin	8.00	212	2.00	Ren	nark	50.00	MHz
	23 F	310.0002324 requency (MHz)	Readin (dBuV	g ( ) fa	235: Correc actor(d	2.0 <b>0</b> :tion (B/m) )2	235 R (dE	6.00 esult 3uV/m)		Lim dBuV	it //m) 0	Ma (0	argin dB)	8.00	212	2.00		nark ak	50.00	MHz

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



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 test states the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing linspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email: CN.Doccheck@gs.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
中国・上海・松江区金都西路588号 邮编	201612



 Report No.:
 SHCR220100006201

 Page:
 43 of 79

		0 dBu∀/m															Lim Lim		_	
													ſ	\$	ŧ — \	~~~				
	60										×		ļ							
							<u> </u>		_											
	0.0	310.0002324	1.00 2338		235	2 00	235	6.00	23	80.00	230	1.00	2408	2.00	242	2.00		24	50.00	
).		requency (MHz)	Reading (dBuV)	С	orrec		R	esult BuV/m)		Lim (dBuV	t	Ма	rgin B)				Rem			
		2389.100	63.61		-14.0			9.60	+	54.0			.40	+			A۷	/G		
	:	2390.000	63.77		-14.(	)1	4	9.76		54.0	0	-4	.24				A٧	/G		
	1	2414.580	101.47		-13.9	93	8	7.54	T	54.0	0	33	8.54				A۷	/G		

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

l,	NO.588 West Jir	du Road, Songjiang District, Sha	nghai,China	201612	
	中国・上海・	松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 44 of 79

1	20.	0 dBu∀/m												
												Limi Limi		
										3				
									{		- Y**			
	60							1.2 ×/	~~l					
						114049/20	1 and	<b>X</b> 7					$\sim$	
		May Mayle Andrew	ay 2014-19-19-19-29-29-29-29-29-29-29-29-29-29-29-29-29	unan dam dar adalah bi	e secondation of	enter :				-				
	0.0													
	23	310.0002324	1.00 2338.	00 2352.00	2366.00	) 23	80.00	239	1.00 24	108.00	2122.00	)	2150.00 M	Hz
0.	F	requency (MHz)	Reading (dBuV)	Correction factor(dB/r			Lim (dBuV		Margi (dB)	n		Rem	ark	
	1	2387.840	75.19	-14.02	61.1		74.0		-12.8	3		pea	k	
	1	2390.000	72.37	-14.01	58.3	6	74.0	0	-15.6	4		pea	k	
		2407.440	103.22	-13.95	89.2	7	74.0	0	15.27	7		pea	k	

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



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.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents 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: (66-755) 8307 1443, or email: CN.Os80 West Jindu Road Songiano District Shanghai China 201612 (18621)61915666 file-2161915678 www.susgoroup.com.cn

1	NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
	中国・上海・松江区金都西路588号 邮编:	201612



Report No.: SHCR220100006201 Page: 45 of 79

1	20.0 d⊟u∀/m							
								jmit1: — jmit2: —
							3	~~~~
	60							
					¥			
	0.0	1.00 2338.0	0 2352.00	2356.00 2	380.00 239	1.00 2408	.00 2122.00	2150.00 MHz
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	R	emark
1	2389.100	54.58	-14.01	40.57	54.00	-13.43		AVG
2	2390.000	54.66	-14.01	40.65	54.00	-13.35	AVG	
3	2410.660	92.93	-13.94	78.99	54.00	24.99		AVG

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esp.com

I.	NO.588 West Jindu	Road, Songjiang District, Shanghai	,China	201612
	中国・上海・松	江区金都西路588号	邮编:	201612



Report No.: SHCR220100006201 Page: 46 of 79

1	120.0 dB	u∀/m											
											Lim		
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<del>*</del>		~									
	Ύμ			\rightarrow									
	- J=				²								
	60			7	1 N.	m	4						
						~	White	1.0- e-yazarekepi. Araya	- Arana - Aran	and the first of the second	lenter of all the	Annagh Ang dhe dhe	
													-
	-												+
	0.0	02417	7.00 2464	1.00 248	1.00	2498	B.00 2	515.00 253	32.00 254	9.00 256	6.00	2500.00	MHz
	-							1.1.1.1		1			
No.	Freque (MH:		Reading (dBuV)	Correct factor(d			esult uV/m)	Limit (dBuV/m)	Margin (dB)		Ren	nark	
1	2446.		109.95	-13.			6.12	74.00	22.12		pe	ak	
2	2483.		79.02	-13.			5.31	74.00	-8.69	•		ak	
3	2484.		80.40	-13.			6.70	74.00	-7.30	peak			
4	2500.	000	67.55	-13.0	64	5	3.91	74.00	-20.09	9 peak		ak	

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

ļ	NO.588 West Jin	du Road, Songjiang District, Shangh	ai,China	201612
	中国・上海・	松江区金都西路588号	邮编:	201612



Report No.: SHCR220100006201 Page: 47 of 79

1	l20.0 dBu∀/m							
								imitl: — imit2: —
		~~~~	n					
	1							
	60							
						·-···		
	0.0	7.00 2464.0	0 2481.00	2498.00 2	515.00 253	2.00 2549	.00 2566.00	2500.00 MHz
	2130.000211	r.00 2404.0	0 2101.00	2430.00 23	313.00 233	2.00 2013.	.00 2300.00	2800.00 MT12
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	R	emark
1	2442.240	100.23	-13.84	86.39	54.00	32.39		AVG
2	2483.500	61.80	-13.71	48.09	54.00	-5.91		AVG
3	2484.230	60.90	-13.70	47.20	54.00	-6.80		AVG
4	2500.000	51.18	-13.64	37.54	54.00	-16.46		AVG

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

Į.	NO.588 West Jindu	Road, Songjiang District, Shan	ghai,China	201612
	中国・上海・松	江区金都西路588号	邮编:	201612



Report No.: SHCR220100006201 Page: 48 of 79

1	20. <u>0</u> dBu∀/m							
								Limit1: — Limit2: —
		l						
		·~···						
	60		- 43					
				mar marked and and and and and and and and and an	Wardan walana Aripanya	Andrew of the State of the	p.g. com fil alfondation and stations	na an a
	0.0							
	2130.000244	7.00 2464.	00 2481.00	2498.00 2	515.00 253	2.00 2549	.00 2566.00	2600.00 MHz
0.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)		Remark
	2465.020	100.29	-13.76	86.53	74.00	12.53		peak
	2483.500	70.87	-13.71	57.16	74.00	-16.84		peak
	2485.930	71.98	-13.70	58.28	74.00	-15.72	peak	
	2500.000	62.00	-13.64	48.36	74.00	-25.64		peak

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



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 rappearance 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: (86-75) 8307 1443, or email: Ch. Doccheck@sgs.com

ļ	NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
	中国・上海・松江区金都西路588号 邮编:	201612



Report No.: SHCR220100006201 Page: 49 of 79

								mit1: — mit2: —
	¥~		· 、					
	60							
	4		23					
	0.0							
	2130.000 211	7.00 2464.0	10 2481.00	2498.00 2	515.00 253	2.00 2549.	00 2566.00	2600.00 MHz
0.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Re	emark
	2442.580	90.93	-13.84	77.09	54.00	23.09	A	٨VG
	2483.500	53.02	-13.71	39.31	54.00	-14.69	A	٨VG
	2485.250	52.41	-13.70	38.71	54.00	-15.29	ŀ	AVG
	2500.000	49.15	-13.64	35.51	54.00	-18.49		AVG

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esp.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
中国・上海・松江区金都西路588号 邮编	: 201612



Report No.: SHCR220100006201 Page: 50 of 79

# 7.8 Radiated Spurious Emissions

 Test Requirement
 47 CFR Part 15, Subpart C 15.209 & 15.247(d)

 Test Method:
 ANSI C63.10 (2013) Section 6.4,6.5,6.6

 Limit:
 Ansi C63.10 (2013) Section 6.4,6.5,6.6

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



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.aspx and, for electronic format documents, 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 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 linspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@ess.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
中国・上海・松江区金都西路588号 邮编:	201612

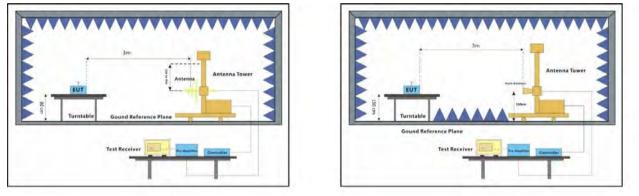


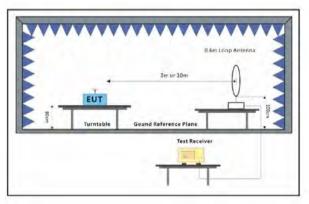
Report No.: SHCR220100006201 Page: 51 of 79

## 7.8.1 E.U.T. Operation

Operating Enviro	nment:	
Temperature:	24 °C Humidity: 50 % RH Atmospheric Pressure:	1010 mbar
Test mode	a:TX mode_Keep the EUT in continuously transmitting mode with all types. All data rates for each modulation type have been tested and for data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 60 worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802 Only the data of worst case is recorded in the report.	ound the Mbps is the of IEEE

## 7.8.2 Test Setup Diagram







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 cannot be reproduced except in full, without prior writen approval of the Company, any unauthorized alteration, forger 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@asp.com

NO.588 West Jindu Road, Songjiang District, Shar	nghai,China 201612	t(86-21)
中国・上海・松江区金都西路588号	邮编: 201612	t(86-21)

# SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Report No.: SHCR220100006201 Page: 52 of 79

### 7.8.3 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.

Remark:

1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.

2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

3) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in 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 of 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. 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 hown 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@aspa.com

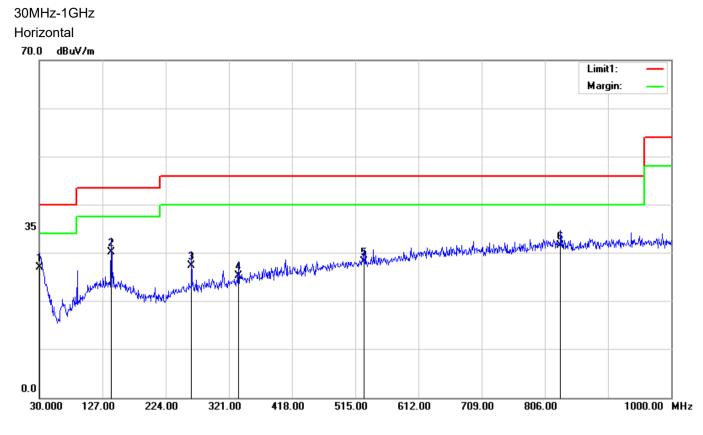
or email: CN.Doccheck@sgs.com			
NO.588 West Jindu Road, Songjiang District, Shangl	hai,China	201612	
中国・上海・松江区金都西路588号	邮编:	201612	



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

 Report No.:
 SHCR220100006201

 Page:
 53 of 79



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.9700	1.69	25.38	27.07	40.00	-12.93	100	70	QP
2	140.5800	10.33	19.83	30.16	43.50	-13.34	100	338	QP
3	263.7700	7.72	19.68	27.40	46.00	-18.60	100	88	QP
4	335.5500	3.42	21.87	25.29	46.00	-20.71	100	292	QP
5	528.5800	2.65	25.58	28.23	46.00	-17.77	100	48	QP
6	830.2500	3.69	27.98	31.67	46.00	-14.33	100	319	QP



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 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 1aw. Unless otherwise stated the results how 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@spac.com

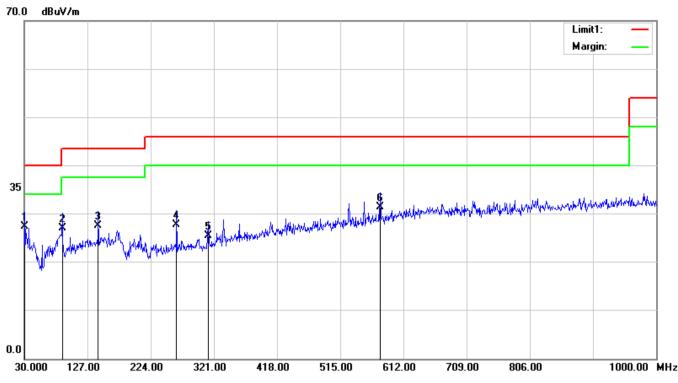
NO.588	West Jin	du Road, Songjiang District	,Shanghai,China	201612	
中国・.	上海・	松江区金都西路588号	邮编:	201612	



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHCR220100006201 Page: 54 of 79

Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.9700	2.05	25.38	27.43	40.00	-12.57	119	360	QP
2	88.2000	10.70	16.42	27.12	43.50	-16.38	100	7	QP
3	143.4900	7.59	19.93	27.52	43.50	-15.98	100	340	QP
4	263.7700	8.02	19.68	27.70	46.00	-18.30	135	360	QP
5	312.2700	4.38	21.05	25.43	46.00	-20.57	102	360	QP
6	576.1100	5.22	26.19	31.41	46.00	-14.59	100	4	QP



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 cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or rappearance of this document is unlawful and offendes may be prosecuted to the fullest extent of the authenticity of testing (inspection report & certificate, please contact us at telephone: (66-755) 8307 1443, or email: CM.Doccheck@ags.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	a 201612	
中国・上海・松江区金都西路588号 邮编	: 201612	

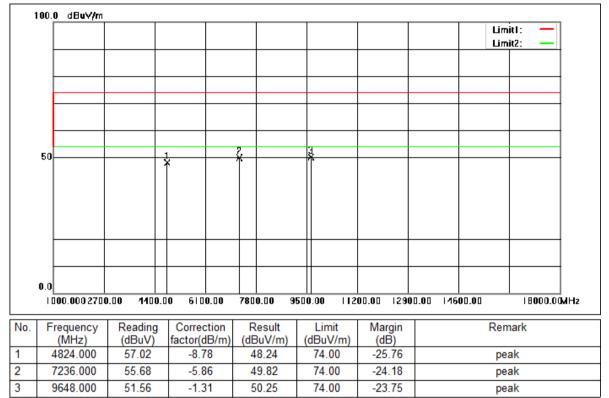




Report No.: SHCR220100006201 Page: 55 of 79

## Above 1GHz

Mode:a; Polarization:Horizontal; Modulation:b; bandwidth:20MHz; Channel:Low





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 of Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esc.com

ļ	NO.588 West Jindu Road, Songjiang District, Shangh	ai,China	201612	
	中国・上海・松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 56 of 79

1	00.	0 dBu∀/m																				
																			nit I nit 2			
										T									1			
				1			2			î		Ţ										
	50			¥			<u></u>			Ť		T							$\uparrow$			
				+			+			╢		+		-					+		$\neg$	
				+			-			╢		+							+		_	
	0.0																					
	1	100.0002700	0.00 1100	.00	610	0.00	780	0.00	950	0.0	00   ;	20	0.00	1290	0.00	146	00.00	]		1800	0.00	MHz
).	F	requency	Reading		Correc			lesult			Limit		Mar					Re	mar	ĸ		
-	_	(MHz) 4824.000	(dBuV) 57.34	1	actor(d -8.7			BuV/m) 8.56	+		BuV/m) 74.00	+	(dE -25.		-			pe	eak			
		7236.000	54.97	+	-5.8			9.11	+		74.00	+	-24.						eak			
		9648.000	51.74	╈	-1.3	1	5	0.43	+	7	74.00	t	-23.	57	1			pe	eak			

Mode:a; Polarization:Vertical; Modulation:b; bandwidth:20MHz; Channel:Low



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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esp.com

ļ	NO.588 West Jin	du Road, Songjiang District, Shang	hai, China	201612	
	中国・上海・	松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 57 of 79

1	00.0	dBu∀/m																			
										Τ								Lim Lim			
	Ī									╈											
	ł									+											
										+											
										+										_	
	50			Ŀ	Ļ		Z			ŝ											
				,	ŕ		Î														
							_			_				$\rightarrow$						_	
	0.0																				
	ı	00.0002700	0.00 110	0.0	0 610	0.00	780	0.00	95	00.	.00	112	00.00	1290	0.00	146	00.00		180	000.00	dHz
Vo.	F	requency	Reading		Correc			lesult			Limit		Ma	rgin				Ren	nark		
1	_	(MHz) 1874.000	(dBuV) 56.94		factor(d -8.6			BuV/m 8.33	)		BuV/ 74.00			B) 5.67				pe	ak		
2		7311.000	55.29		-5.7			9.51	+		74.00			.49				pe			
3		748.000	52.25		-1.4			0.82	+		74.00			.18				pe			

Mode:a; Polarization:Horizontal; Modulation:b; bandwidth:20MHz; Channel:middle



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com

NO.588 West Jind	Road, Songjiang District, S	hanghai, China	201612	
中国・上海・松	公江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 58 of 79

1	00.	0 dBu∀/m																			
														Ι					nitl: nit2:	Ξ	
	50			1			2			ł	Į										
				, N	ć		Î			ľ	Ì										
														T							1
	0.0																				1
	I	100.0002700	).00 110	0.0	0 610	0.00	780	0.00	950	0.	00 112	200	.00 12	901	0.00	146	00.00		I	8 <b>0</b> 00.0	0MHz
No.	F	requency (MHz)	Reading (dBuV)		Correct factor(d			lesult BuV/m)			Limit BuV/m)		Margin (dB)					Ren	nark		
1	4	4874.000	56.86		-8.6			8.25			74.00	$\top$	-25.75					pe	ak		
2		7311.000	54.88		-5.7	8	4	9.10	1		74.00	Τ	-24.90					pe	ak		
3	. !	9748.000	51.64		-1.4	3	5	0.21			74.00	Τ	-23.79					ре	ak		

Mode:a; Polarization:Vertical; Modulation:b; bandwidth:20MHz; Channel:middle



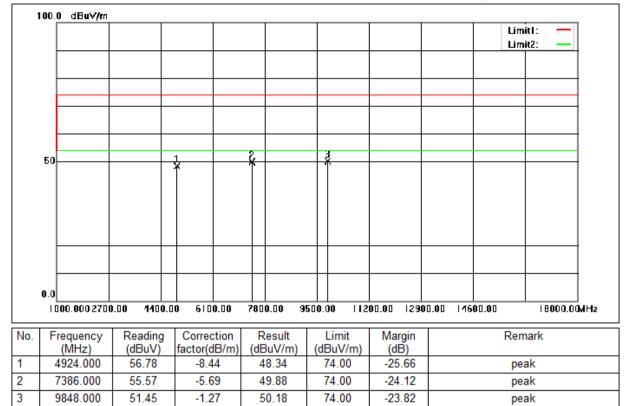
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic 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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

Į.	NO.588 West Jindu Road, Songjiang	District, Shanghai, China	201612
	中国・上海・松江区金都西路	588号 邮编:	201612



 Report No.:
 SHCR220100006201

 Page:
 59 of 79



Mode:a; Polarization:Horizontal; Modulation:b; bandwidth:20MHz; Channel:High



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 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 linspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ssa.com

	d, Songjiang District, Shangh	ai,China	201612
中国・上海・松江区	金都西路588号	邮编:	201612



Report No.: SHCR220100006201 Page: 60 of 79

1	00.	0 dBu∀/m																				_
																			Lim Lim		_	
																						1
	50				1			3				3										
	50				Î			Ť			ľ	1										1
								1			T	$\square$										1
	0.0				1			1			T	$\square$										1
		100.0002700	.00	1100.	.00	610	D.00	780	0.00	95	00.	00	112	00.00	129	00.00	146	00.00		1	8000.0	<b>I</b> MHz
<b>)</b> .	F	requency (MHz)		ading BuV)		Correc actor(d			Result BuV/m	,		Lin Bu\	nit //m)	Ma (d	irgin IB)				Ren	nark		
	4	4924.000	<u> </u>	.09	ľ	-8.4			8.65	-		74.0			5.35				pe	ak		
	ī	7386.000	55	.67	╈	-5.6	9	4	9.98			74.	00	-24	4.02				pe	ak		
	9	9848.000	51	.30		-1.2	7	5	50.03			74.	00	-23	3.97				pe	ak		

Mode:a; Polarization:Vertical; Modulation:b; bandwidth:20MHz; Channel:High



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 <a href="http://www.sgs.com/en/Terms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Conditions/Ferms-and-Co

NO.588 West	Ji	du Road, Songjiang District	Shanghai, China	201612
中国・上海	•	松江区金都西路588号	邮编:	201612



Report No.: SHCR220100006201 Page: 61 of 79

1	00.0	0 dBu∀/m																			
										Τ									nitl: nit2:		
										T											
										+										_	
										+											
	50			ł			2			3	}										
				Î			T														
				+			-			╢											
	0.0																				
	IÖ	100.0002700	.00 1100	0.00	610	0.00	780	0.00	95	00	.00	112	00.00	1290	0.00	146	00.00		18	000.00	MHz
lo.	F	requency	Reading		Correc			lesult			Limi		Ma	rgin				Ren	nark		
$\neg$	4	(MHz) 4824.000	(dBuV) 57.13	-	factor(d -8.7			BuV/m 8.35			IBuV/ 74.0			B) 5.65				pe	ak		
		7236.000	54.94	+	-5.8			9.08	+		74.0			.92					ak		
	9	9648.000	52.26	+	-1.3	1	5	0.95	+		74.0	)	-23	8.05					ak		

Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:Low



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com

1	NO.588 West Ji	ndu Road, Songjiang District, Sh	anghai,China	201612	
	中国・上海・	松江区金都西路588号	邮编:	201612	



 Report No.:
 SHCR220100006201

 Page:
 62 of 79

1	00.0	0 dBu∀/m																	
																Limi Limi			
	50			1		3			J.										
				Ť		Î													
	0.0																		
	10	100.000 2700	.00 1100	.00 610	0.00	780	0.00	950	0.00	112	00.00	1290	0.00	146	00.00		180	00.00	dHz
D.	F	requency (MHz)	Reading (dBuV)	Corre factor(			lesult BuV/m)	(	Lim dBuV		Ma (d	rgin B)				Rem	ark		
	4	4824.000	57.03	-8.1			8.25	$\uparrow$	74.0	-		5.75	1			pea	ak		
	1	7236.000	55.80	-5.8	36	4	9.94	$\top$	74.0	0	-24	.06				pea	ak		
	9	9648.000	51.50	-1.3	31	5	0.19		74.0	0	-23	8.81				pea	ak		

Mode:a; Polarization:Vertical; Modulation:g; bandwidth:20MHz; Channel:Low



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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esp.com

NO.588 West Jindu Road, Songjiang District, Shanghai	,China	201612
中国・上海・松江区金都西路588号	邮编:	201612



 Report No.:
 SHCR220100006201

 Page:
 63 of 79

1	100.	0 dBu∀/m																		
																	Lim Lim			
	50			1	l		2			3										
					ŕ		Î			ľ										
							+			╁										
	0.0									Ц										
	11	100.0002700	0.00 110	U.U	U 61U	0.00	780	0.00	950	U.U		00.00	129	00.00	115	00.00		18	000.00	MHZ
No.	F	requency (MHz)	Reading (dBuV)	g	Correct factor(d			lesult BuV/m)			_imit BuV/m)		irgin IB)				Rem	nark		
1	4	4874.000	56.96	_	-8.6			8.35	+		4.00		5.65				pe	ak		
2		7311.000	55.15		-5.7	'8	4	9.37	$\top$	7	4.00	-24	4.63				pe	ak		
3	!	9748.000	51.88		-1.4	3	5	0.45	╈	7	4.00	-23	3.55				pea	ak		

Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:middle



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

I.	NO.588 West Jindu	Road, Songjiang District, Shanghai	,China	201612
	中国・上海・松	江区金都西路588号	邮编:	201612



Report No.: SHCR220100006201 Page: 64 of 79

1	00.	0 dBu∀/m																		
																	Limi Limi			
																			_	
	50			⊢	<u>}</u>		<u>2</u>			ł	<u>;</u>								-	
							+													
							+			H										
	0.0	100.000 2700	).00 110		<b>0</b> C10	0.00	700	0.00	950		00 112	00.00	120	00.00	1.40	00.00			00.00	
		100.0002700	J.UU 11U	0.0	0 510	0.00	100	0.00	391	. U.	00 112	.00.00	12.30	00.00	110	00.00			00.00	мпг
lo.	F	requency (MHz)	Readin (dBuV	g )	Correct factor(c			lesult BuV/m)			Limit BuV/m)	Ma (C	argin IB)				Rem	nark		
	4	4874.000	57.10		-8.6			8.49			74.00		5.51				pea	ak		
2		7311.000	55.50		-5.7	'8	4	9.72			74.00	-2	4.28				pea	ak		
}		9748.000	51.66		-1.4	3	5	0.23			74.00	-2	3.77				pea	ak		

Mode:a; Polarization:Vertical; Modulation:g; bandwidth:20MHz; Channel:middle



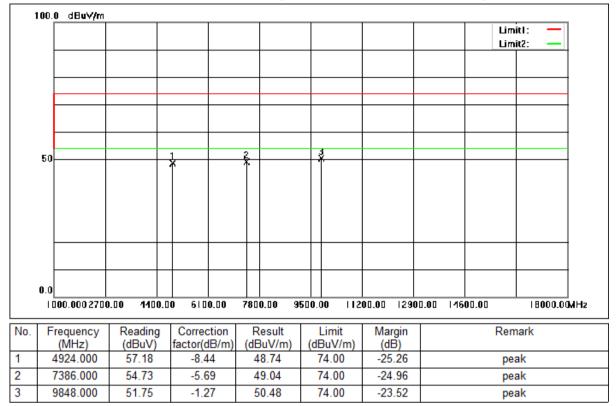
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions of Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esc.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
中国・上海・松江区金都西路588号 邮编:	201612



 Report No.:
 SHCR220100006201

 Page:
 65 of 79



Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:High



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.aspx and, for electronic format documents, 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 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 destruction is less 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@ses.com

	indu Road, Songjiang District, S	hanghai,China 201612	
中国・上海	·松江区金都西路588号	邮编: 201612	



Report No.: SHCR220100006201 Page: 66 of 79

1	I OO.	0 dBu∀/m																		
																	Limi Limi			
																			_	
																			_	
	50				1		Ş			Ŀ	2									
				'	ſ		Î													
				$\vdash$			+													
				-			+			$\vdash$									_	
	0.0																			
	I	100.000 2700	).00 110	0.0	0 610	0.00	780	0.00	950	0.0	00  12	00.00	1290	0.00	146	00.00		180	00.00	MHz
No.	F	requency (MHz)	Readin (dBuV		Correct factor(c			Result BuV/m)			Limit BuV/m)		rgin B)				Rem	ark		
1	4	4924.000	57.35		-8.4			18.91			74.00		5.09				pea	ak		
2	1	7386.000	55.42		-5.6	i9	4	9.73		7	74.00	-24	.27	1			pea	ak		
3	9	9848.000	51.99		-1.2	.7	5	50.72		7	74.00	-23	3.28				pea	ak		

Mode:a; Polarization:Vertical; Modulation:g; bandwidth:20MHz; Channel:High



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

	ndu Road, Songjiang District, Sha	nghai,China	201612	
中国・上海・	松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 67 of 79

1	00.	0 d⊟u∀/m																		
																	Lim Lim			
																			$\neg$	
													_						-	
	50			ļ	{		2			3 X			_							
							_												_	
	0.0																			
	- 1	100.000 2700	.00 110	0.0	0 610	0.00	780	0.00	950	0.00	112	00.00	1290	0.00	146	00.00		180	00.00	dHz
).	F	requency	Reading		Correc			lesult	T	Lir		Mai	rgin				Rem	nark		
_		(MHz)	(dBuV)		factor(d			BuV/m)	(		V/m)	(dl								
		4824.000	57.65		-8.7			8.87	+		.00		.13				pea			
		7236.000	55.09		-5.8			9.23		74	.00		.77				pea	ak		
	9	9648.000	51.88		-1.3	31	5	0.57		74.	.00	-23	.43				pea	ak		

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
中国・上海・松江区金都西路588号 邮编	: 201612



Report No.: SHCR220100006201 Page: 68 of 79

1	<b>00</b> .	0 dBu∀/m																		
																	Limi Limi			
	50			1			2			ŝ.										
				Ĩ	{		Ť													
	• •						$\top$													1
	0.0 10	100.000 2700	).0 <b>0 11</b> 0(	D. 0 (	0 610	0.00	780	0.00	950	0.00	0  12	00.00	129	0.00	146	00.00		l E	000.00	∣ MHz
0.	F	requency	Reading		Correc			lesult	Τ		imit	Ma	rgin				Rem	nark		
		(MHz)	(dBuV)		factor(d			BuV/m)	(	_	uV/m)		B)							
		4824.000	57.53		-8.7			8.75			4.00		5.25				pea			
		7236.000	54.96		-5.8	6	- 4	9.10		74	4.00	-24	4.90				pea	ak		
		9648.000	51.60		-1.3	1	5	0.29		74	4.00	-23	3.71				pea	ak		

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esp.com

ļ	NO.588 West Jindu R	oad, Songjiang District, Sha	nghai,China	201612	
	中国・上海・松江	区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 69 of 79

																	Limi Limi		
																			_
	50			1			2			3									
	50				č		Î			Î									
																			_
	0.0																		
		100.0002700	.00 110	0.0	0 610	0.00	780	0.00	950	0.00	2	00.00	1290	0.00	1460	00.00		1800	0.00MHz
0.	F	requency (MHz)	Reading (dBuV)		Correct factor(d			lesult BuV/m)	(		mit ıV/m)	Ma (d	rgin B)			F	Rem	ark	
		1874.000	57.02		-8.6	1		8.41			.00		5.59				pea	ık	
	ī	7311.000	55.14		-5.7	8	4	9.36		74	.00	-24	4.64				pea	ık	
	9	9748.000	51.67		-1.4	3	5	0.24		74	.00	-23	3.76				pea	ık	

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle

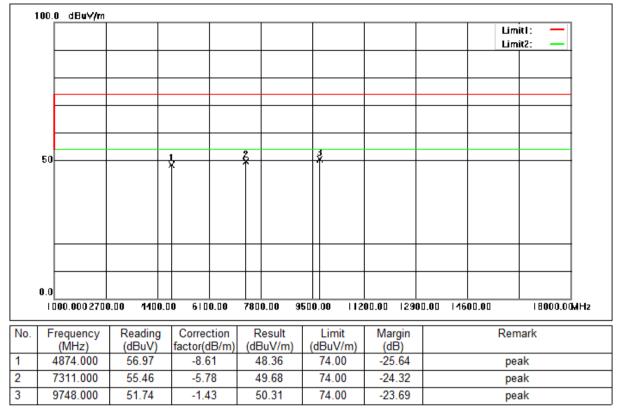


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic 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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

Į,	NO.588 West Jindu Road, Songjiang Distr	ict, Shanghai, China	201612
	中国・上海・松江区金都西路588号	邮编:	201612



Report No.: SHCR220100006201 Page: 70 of 79



Mode:a; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:middle



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.aspx and, for electronic format documents, 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 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 destruction is less 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@ses.com

	d, Songjiang District, Shangh	ai,China	201612
中国・上海・松江区	金都西路588号	邮编:	201612



Report No.: SHCR220100006201 Page: 71 of 79

1	00.0	0 dBu∀/m																	
																	Limi Limi		
	50				1		Ŷ				3								
	50				Ŷ		Ĩ												
																			1
	0.0																		1
		100.0002700	0.00 110	0.0	0 610	0.00	780	0.00	95	00.0	)0   I	200.00	1290	0.00	146	00.00		18 <b>0</b> 00	.00MHz
lo.	F	requency (MHz)	Reading (dBuV)		Correct factor(d			Result BuV/m			Limit BuV/m)	Ma	irgin IB)				Rem	ark	
	4	4924.000	57.02		-8.4			8.58	·/		74.00		5.42	1			pea	ak	
	1	7386.000	55.46		-5.6	9	4	19.77	$\neg$	7	74.00	-24	4.23				pea	ak	
	9	9848.000	52.26		-1.2	7	Ę	50.99	$\top$	7	74.00	-2	3.01				pea	ak	

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

ļ	NO.588 West Jin	du Road, Songjiang District, Shangh	ai,China	201612
	中国・上海・	松江区金都西路588号	邮编:	201612



Report No.: SHCR220100006201 Page: 72 of 79

1	00.	0 dBu∀/m																	
																	Lim Lim		
										$\square$									
										$\vdash$									-
																			7
																			_
	50				1		2			Ŀ	3								
					ſ		Î												
							+			$\vdash$									-
							_												_
	0.0																		
	10	100.000 2700	).00 110(	<b>D</b> . D(	0 610	0.00	780	0.00	950	0.0	00  12	00.00	1290	0.00	146	00.00		1800	).00MHz
).	F	requency	Reading		Correc			lesult			Limit	Mai	rgin				Rem	nark	
-	4	(MHz) 4924.000	(dBuV) 57.26	_	factor(d -8.4			3uV/m) 8.82			3uV/m) 74.00	(dl -25	B) .18				pea	ak	
		7386.000	55.19		-5.6			9.50	+		74.00		.50				pea		
		9848.000	52.02		-1.2	7	5	0.75		7	74.00	-23	.25	1			pea	ak	

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



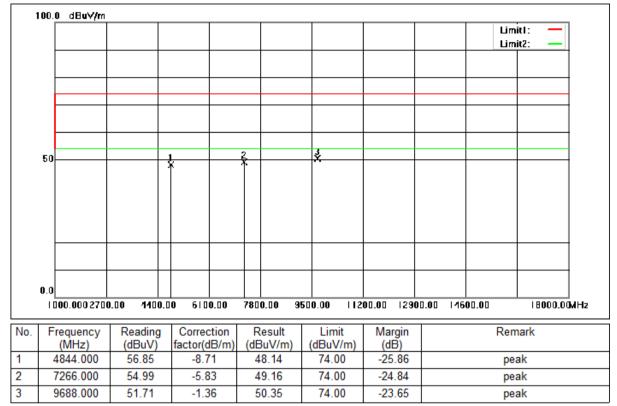
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic 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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

	du Road, Songjiang District, Shangl	nai,China	201612
中国・上海・	松江区金都西路588号	邮编:	201612



 Report No.:
 SHCR220100006201

 Page:
 73 of 79



Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low

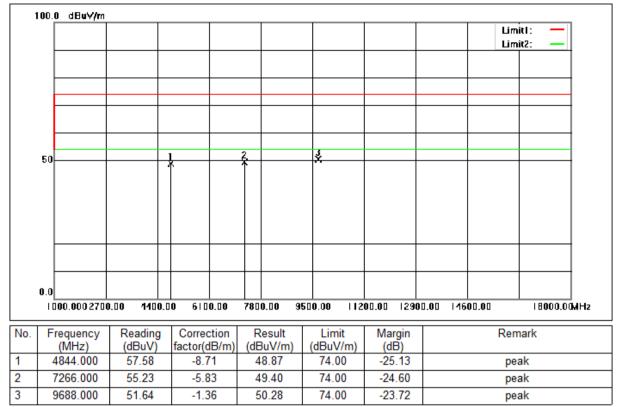


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, 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 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 destruction is less 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@ses.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612
中国・上海・松江区金都西路588号 邮编	: 201612



Report No.: SHCR220100006201 Page: 74 of 79



Mode:a; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



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.aspx and, for electronic format documents, 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-enDocument.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 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 his 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@sss.com

l,	NO.588 West Jir	du Road, Songjiang District, Sha	nghai,China	201612	
	中国・上海・	松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 75 of 79

1	100.	0 dBu∀/m																			
																			nitl: nit2:	_	
																					4
										╞		+		+					-		-
										╞		+		_					-		-
	50				L		2			Ì	ļ										
				'	6		Î			ľ											
										T		T									1
							+			Η		$^{+}$									1
	0.0																				
	11	100.0002700	).00 110	0.0	0 510	0.00	780	0.00	951	10.	00 11	20	0.00	1290	0.00	146	00.00			8 <b>0</b> 00.	DOMIHIZ
No.	F	requency (MHz)	Readin (dBuV)		Correct factor(c			lesult BuV/m)			Limit BuV/m)		Marg (dB					Rer	nark	(	
1	4	4874.000	57.54		-8.6			8.93	-		74.00	+	-25.0					pe	ak		
2		7311.000	55.30		-5.7	'8	4	9.52			74.00	$^{+}$	-24.4						ak		
3	1	9748.000	51.58		-1.4	3	5	0.15			74.00	$\dagger$	-23.8	35				ре	ak		

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:middle



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 only and within the limits of transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results hown 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@esp.com

l,	NO.588 West.	lindu Road, Songjiang District, Sha	anghai,China	201612	
	中国・上海	·松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 76 of 79

1	100.	0 dBu∀/m																		
																	Lim Lim			
	50			1	L		3			ş										
					ć		Î			ľ										
	0.0																			
	I	100.0002700	0.00 110	0.0	0 610	0.00	780	0.00	950	0.0	10   2	00.00	129	00.00	146	00.00		181	000.00	MHz
No.	F	requency (MHz)	Reading (dBuV)	9	Correct factor(d	tion B/m)		lesult BuV/m)	(		₋imit 3uV/m)	Ma	argin IB)				Rem	nark		
1	4	4874.000	57.26		-8.6			8.65	$\uparrow$		4.00	· · ·	5.35	+			pea	ak		
2		7311.000	55.75		-5.7	'8	4	9.97		7	4.00	-2	4.03				pea	ak		
3	9	9748.000	51.93		-1.4	3	5	0.50		7	4.00	-2	3.50				pea	ak		

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:middle



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

NO.588 West Jindu Roa		ghai,China	201612	
中国・上海・松江区	金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 77 of 79

1	100.	0 dBu∀/m																	
																Limi Limi			
																		_	
	50			ł		2			ş										
				X		Ť													
						+													
	0.0																		
		000.0002700	).00    1100.	JU 51U	0.00	780	0.00	950	0.00	112	00.00	1290	0.00	115	00.00		180	00.00	WHZ
No.	F	requency	Reading	Correc			lesult		Lim		Mai	rgin				Rem	ark		
1		(MHz) 4904.000	(dBuV) 56.79	factor(d -8.5			3uV/m) 18.28		dBuV) 74.0		(dl	B) .72				pea	ak		
2		7356.000	56.79					+											
				-5.7			9.02	+	74.0			.98				pea			
3		9808.000	52.23	-1.4	1	5	50.76		74.0	U	-23	.24		peak					

Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

	du Road, Songjiang District, Sh	anghai,China	201612	
中国・上海・	松江区金都西路588号	邮编:	201612	



Report No.: SHCR220100006201 Page: 78 of 79

1	00.0 dB	u¥/m									Lim	
											Lim	it2: —
		$\rightarrow$										
	50			1		2		- 3				
	50			×		Ť		_^				
						_						
	0.0											
	1000.00	0 2700	.00 1100	0.00 610	0.00	780	0.00 9	500.00   2	00.00 1290	00.00 146	00.00	18000.00MH
D.	Freque	ncv	Reading	Correc	tion	B	lesult	Limit	Margin		Ren	nark
	(MHz	z)	(dBuV)				BuV/m)	(dBuV/m)	(dB)			
	4904.0		56.68	-8.5			8.17	74.00	-25.83		pe	ak
	7356.0	000	54.73	-5.7	'3	4	9.00	74.00	-25.00		pe	ak
+	9808.0	000	51.60	-1.4	.7	5	0.13	74.00	-23.87		pe	ak

Mode:a; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



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 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 1aw. 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 tasting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@espc.com

I.	NO.588 West Jindu	Road, Songjiang District, Shanghai	,China	201612
	中国・上海・松	江区金都西路588号	邮编:	201612



Report No.: SHCR220100006201 Page: 79 of 79

#### 8 **Test Setup Photographs**

Refer to the < Test Setup photos-FCC>.

### **EUT Constructional Details** 9

Refer to the < External Photos > & < Internal Photos >.

- 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, prease contact us at telephone: (86-755) 8307 1443, or email: CM.Doccheck@sgs.com

NO.588 West Jindu Road, Songjiang District, Shanghai, China	201612	t(86-21) 61915666	f(86-21)61915678	www.sgsgroup.com.cn
中国・上海・松江区金都西路588号 邮编:	201612	t(86-21) 61915666	f(86-21)61915678	e sgs.china@sgs.com