

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 1 of 48

TEST REPORT

Application No.: FYCR2606000045AT
Applicant: Wyze Labs, Inc.
Address of Applicant: 8815 122nd Ave NE, Ste 201, Kirkland Washington 98033, United States
Manufacturer: Wyze Labs, Inc.
Address of Manufacturer: 8815 122nd Ave NE, Ste 201, Kirkland Washington 98033, United States
Equipment Under Test (EUT):
EUT Name: Wyze Indoor Cam Pan
Model No.: WYZECPANL
Trade Mark: WYZE
FCC ID: 2AUIUWYZECPANL
Standard(s) : 47 CFR Part 15, Subpart C 15.247
Date of Receipt: 2026-06-04
Date of Test: 2026-06-15 to 2026-06-18
Date of Issue: 2026-06-26

Test Result:	Pass*
---------------------	--------------

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



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-Documents.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

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 2 of 48

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2026-06-26		Original

Authorized for issue by:				
		Byron Liang		
		Byron Liang/Project Engineer		
		Tree Zhan		
		Tree 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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

2 Test Summary

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2020) Section 6.10.5 & 11.12	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Below 1GHz		ANSI C63.10 (2020) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Above 1GHz		ANSI C63.10 (2020) Section 6.6 & 11.12	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Maximum Conducted Output Power		ANSI C63.10 (2020) Section 11.9.1	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass

Remark for report FYCR260600004502:

Model No.: WYZECPANL

This test report (Ref. No.: FYCR260600004502) is only valid with the original test report (Ref. No.: SZCR260100009502).

Compared with the original report, this report updated crystal oscillator.

Considering to the difference, pre-scan were performed on the sample in this report to find the items which can be influential to the result in the original test report for fully retest.

Therefore in this report Radiated Emissions which fall in the restricted bands, Radiated Spurious Emissions and Maximum Conducted Output Power were fully retested on model WYZECPANL and shown the data in this report, other test data please refer to the original report SZCR260100009502.



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 4 of 48

3 Contents

	Page
1 Cover Page	1
2 Test Summary	3
3 Contents	4
4 General Information	5
4.1 Details of E.U.T.	5
4.2 Description of Support Units	5
4.3 Measurement Uncertainty	5
4.4 Test Location	6
4.5 Test Facility	6
4.6 Abnormalities from Standard Conditions	6
5 Equipment List	7
6 Radio Spectrum Matter Test Results	9
6.1 Radiated Emissions which fall in the restricted bands	9
6.1.1 E.U.T. Operation	9
6.1.2 Test Mode Description	9
6.1.3 Test Setup Diagram	10
6.1.4 Measurement Procedure and Data	11
6.2 Radiated Spurious Emissions Below 1GHz	20
6.2.1 E.U.T. Operation	20
6.2.2 Test Mode Description	21
6.2.3 Test Setup Diagram	21
6.2.4 Measurement Procedure and Data	22
6.3 Radiated Spurious Emissions Above 1GHz	29
6.3.1 E.U.T. Operation	29
6.3.2 Test Mode Description	29
6.3.3 Test Setup Diagram	30
6.3.4 Measurement Procedure and Data	30
6.4 Maximum Conducted Output Power	45
6.4.1 E.U.T. Operation	45
6.4.2 Test Mode Description	45
6.4.3 Test Setup Diagram	46
6.4.4 Measurement Procedure and Data	46
7 Test Setup Photo	47
8 EUT Constructional Details (EUT Photos)	47
9 Appendix	48



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-Documents.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

Compliance Certification Services (Kunshan) Inc.
Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

4 General Information

4.1 Details of E.U.T.

Power supply:	Powered by adapter. MODEL: GQ06A-050150-ZUU INPUT: 100-240V~50/60Hz 0.3A OUTPUT: 5V/1.5A
Cable(s):	USB-A to C 175cm unshielded
Operation Frequency:	2402MHz to 2480MHz
Modulation Type:	GFSK
Number of Channels:	40
Channel Spacing:	2MHz
Antenna Type:	FPC Antenna
Antenna Gain:	SY Antenna: 2.4 dBi/YD Antenna: 2.48 dBi

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--

The EUT has been tested as an independent unit.

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Radiated Emissions which fall in the restricted bands	$\pm 4.7\text{dB}$
Radiated Spurious Emissions Below 1GHz	$\pm 5.7\text{dB}$
Radiated Spurious Emissions Above 1GHz	$\pm 4.7\text{dB}$ (1-18GHz); $\pm 4.7\text{dB}$ (18-40GHz)
Maximum Conducted Output Power	2.4G: $\pm 0.80\text{dB}$; 5G: $\pm 0.43\text{dB}$

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.
- 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 for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 6 of 48

4.4 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc. Shenzhen branch.

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

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

- **A2LA (Certificate No. 6606.01)**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 6606.01.

- **FCC –Designation Number: CN1322**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

- **Innovation, Science and Economic Development Canada**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

None

4.6 Abnormalities from Standard Conditions

None



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

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 7 of 48

5 Equipment List

Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2025/10/13	2028/10/12
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-54	2025/5/24	2027/5/23
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-23	2026/2/5	2027/2/4
Coaxial Cable	CCS	N/A	SEM035-02	2026/5/12	2027/5/11
Pre-amplifier	TST PASS	LNA04080G30	SEM005-27	2026/2/5	2027/2/4
Pre-amplifier	TST PASS	LNA10180G45	SEM005-28	2026/2/5	2027/2/4
Signal Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2026/3/4	2027/3/3
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

Radiated Spurious Emissions Below 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2025/10/13	2028/10/12
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-26	2025/8/29	2027/08/28
Loop Antenna	ETS-LINDGREN	6502	SEM003-43	2025/6/16	2027/6/15
MXE EMI receiver	Agilent	N9038A	SEM004-05	2025/7/21	2026/7/20
Pre-amplifier	HP	8447D	SEM005-02	2025/7/21	2026/7/20
Coaxial Cable	CCS	N/A	SEM035-01	2026/5/12	2027/5/11
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

Radiated Spurious Emissions Above 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2025/10/13	2028/10/12
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2025/7/29	2027/7/28
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-54	2025/5/24	2027/5/23
Pre-amplifier	TST PASS	LNA180400G40	SEM005-39	2026/4/29	2027/4/28
Pre-amplifier	TST PASS	LNA10180G60	SEM005-32	2026/4/4	2027/4/3
Coaxial Cable	CCS	N/A	SEM035-02	2026/5/12	2027/5/11
Coaxial Cable	CCS	N/A	SEM035-03	2026/5/12	2027/5/11
Pre-amplifier	TST PASS	LNA04080G30	SEM005-27	2026/2/5	2027/2/4
Pre-amplifier	TST PASS	LNA10180G45	SEM005-28	2026/2/5	2027/2/4



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-Documents.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

Compliance Certification Services (Kunshan) Inc.
Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 8 of 48

Signal Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2026/3/4	2027/3/3
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

RF Conducted Test

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2026/2/3	2027/2/2
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-25	2026/2/3	2027/2/2
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2026/2/4	2027/2/3
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2026/2/5	2027/2/4
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2026/2/2	2027/2/1
Coaxial Cable	CCS	N/A	SEM037-01	2026/5/12	2027/5/11
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
MXA Signal Analyzer	KEYSIGHT	N9020B	SEM004-24	2026/2/3	2027/2/2

General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2025-07-23	2026-07-22
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2025-07-23	2026-07-22
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2026-02-14	2027-02-13



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-Documents.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

Compliance Certification Services (Kunshan) Inc.
Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

6 Radio Spectrum Matter Test Results

6.1 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209
 Test Method: ANSI C63.10 (2020) Section 6.10.5 & 11.12
 Measurement Distance: 3m
 Test Engineer: Rex Liu

Limit:

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.

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 20.5 °C Humidity: 52.3 % RH Atmospheric Pressure: 1000 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Pre-scan	01	TX mode(2Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.

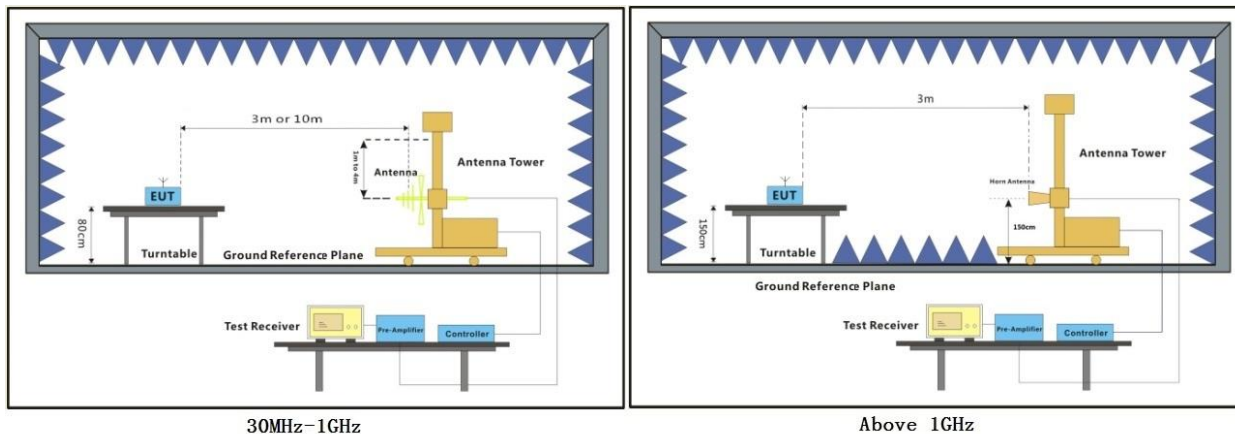


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Compliance Certification Services (Kunshan) Inc.
 Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

6.1.3 Test Setup Diagram



Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 11 of 48

6.1.4 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.

Remark 3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

Remark 4: For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.



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-Documents.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

Compliance Certification Services (Kunshan) Inc.
Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

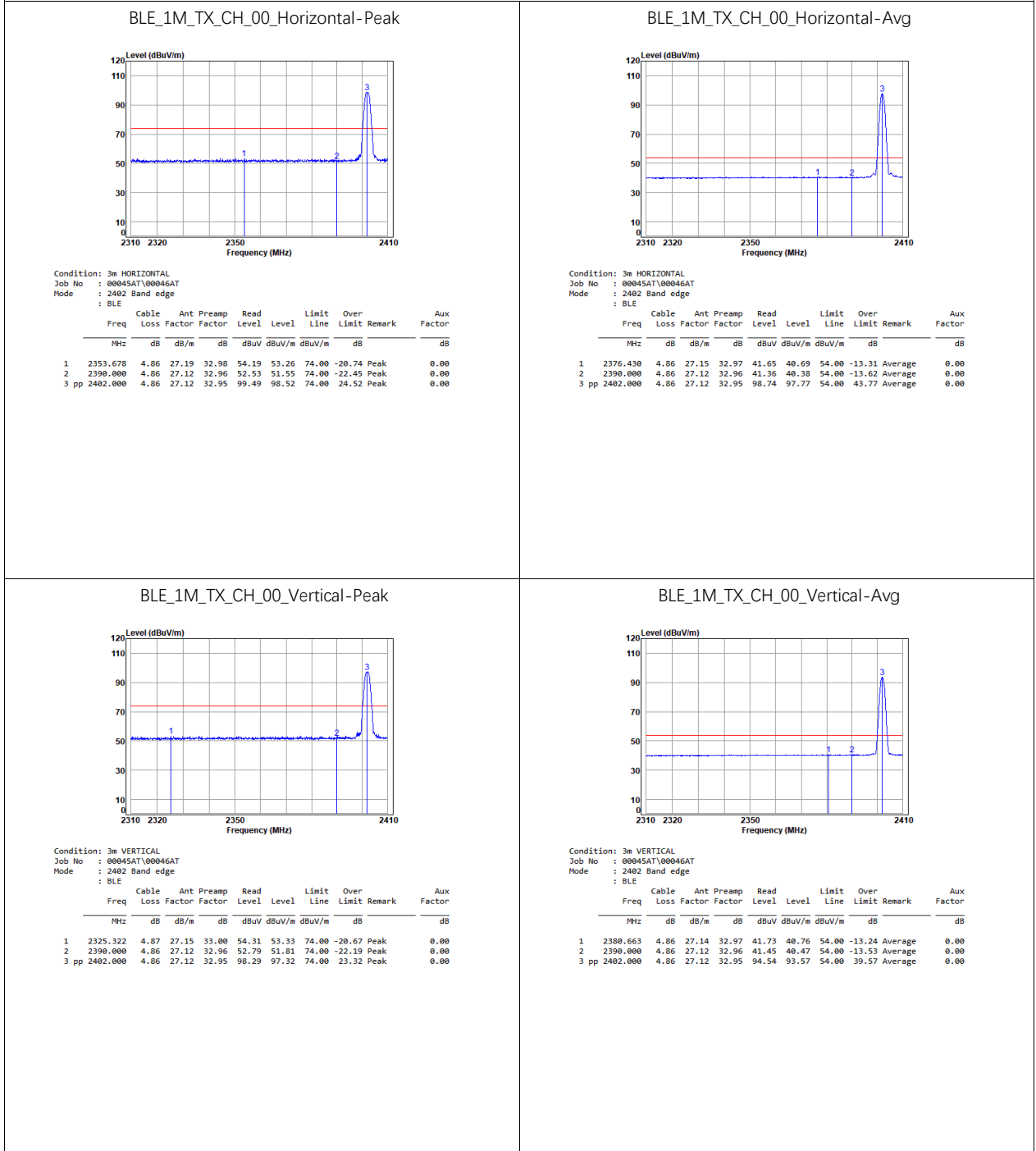
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 12 of 48

SY Antenna:



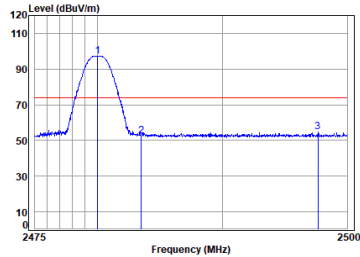
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 13 of 48

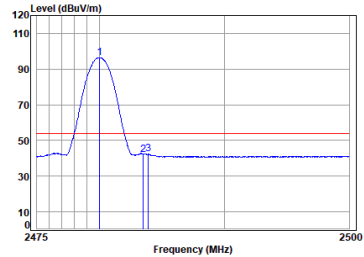
BLE_1M_TX_CH_39_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp 2480.000	4.84	27.68	32.91	97.67	97.28	74.00	23.28	Peak	0.00	
2 2483.500	4.84	27.70	32.91	52.84	52.47	74.00	-21.53	Peak	0.00	
3 2497.639	4.84	27.79	32.90	54.95	54.68	74.00	-19.32	Peak	0.00	

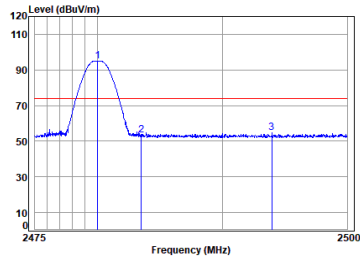
BLE_1M_TX_CH_39_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp 2480.000	4.84	27.68	32.91	96.87	96.48	54.00	42.48	Average	0.00	
2 2483.500	4.84	27.70	32.91	42.55	42.18	54.00	-11.82	Average	0.00	
3 2483.896	4.84	27.70	32.91	42.71	42.34	54.00	-11.66	Average	0.00	

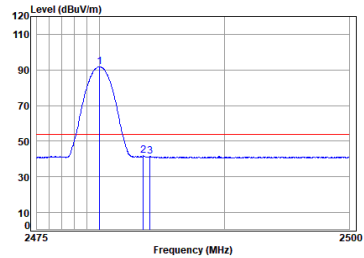
BLE_1M_TX_CH_39_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp 2480.000	4.84	27.68	32.91	95.35	94.96	74.00	20.96	Peak	0.00	
2 2483.500	4.84	27.70	32.91	53.81	53.44	74.00	-20.56	Peak	0.00	
3 2493.952	4.84	27.76	32.90	55.16	54.86	74.00	-19.14	Peak	0.00	

BLE_1M_TX_CH_39_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp 2480.000	4.84	27.68	32.91	92.12	91.73	54.00	37.73	Average	0.00	
2 2483.500	4.84	27.70	32.91	42.18	41.81	54.00	-12.19	Average	0.00	
3 2484.021	4.84	27.70	32.91	41.81	41.44	54.00	-12.56	Average	0.00	

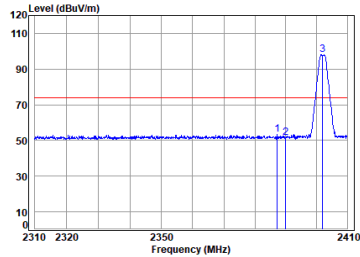
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 14 of 48

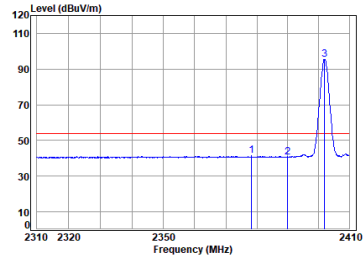
BLE_2M_TX_CH_00_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2402 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	2387.230	4.86	27.13	32.96	54.15	53.18	74.00	-20.82	Peak		0.00
2	2390.000	4.86	27.12	32.96	52.62	51.64	74.00	-22.36	Peak		0.00
3	2402.000	4.86	27.12	32.95	98.92	97.95	74.00	23.95	Peak		0.00

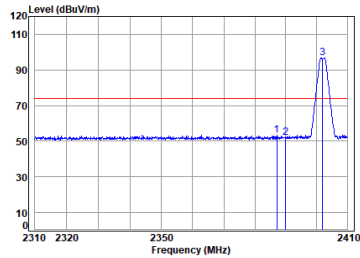
BLE_2M_TX_CH_00_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2402 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	2378.344	4.86	27.14	32.97	42.34	41.37	54.00	-12.63	Average		0.00
2	2390.000	4.86	27.12	32.96	41.70	40.72	54.00	-13.28	Average		0.00
3	2402.000	4.86	27.12	32.95	96.52	95.55	54.00	41.55	Average		0.00

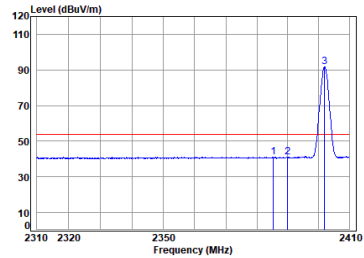
BLE_2M_TX_CH_00_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2402 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	2387.129	4.86	27.13	32.96	54.45	53.48	74.00	-20.52	Peak		0.00
2	2390.000	4.86	27.12	32.96	52.81	51.83	74.00	-22.17	Peak		0.00
3	2402.000	4.86	27.12	32.95	97.70	96.73	74.00	22.73	Peak		0.00

BLE_2M_TX_CH_00_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2402 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	2385.309	4.86	27.13	32.96	42.19	41.22	54.00	-12.78	Average		0.00
2	2390.000	4.86	27.12	32.96	41.83	40.85	54.00	-13.15	Average		0.00
3	2402.000	4.86	27.12	32.95	92.66	91.69	54.00	37.69	Average		0.00



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-Documents.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

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

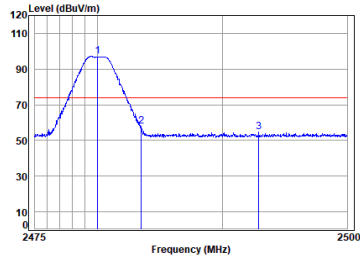
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 15 of 48

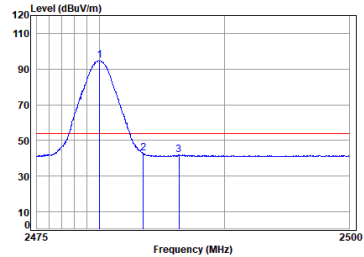
BLE_2M_TX_CH_39_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp 2480.000	4.84	27.68	32.91	97.51	97.12	74.00	23.12	Peak	0.00	
2 2483.500	4.84	27.70	32.91	58.16	57.79	74.00	-16.21	Peak	0.00	
3 2492.899	4.84	27.76	32.90	54.84	54.54	74.00	-19.46	Peak	0.00	

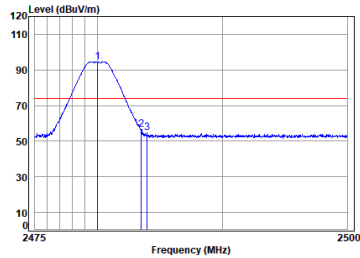
BLE_2M_TX_CH_39_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp 2480.000	4.84	27.68	32.91	95.25	94.86	54.00	40.86	Average	0.00	
2 2483.500	4.84	27.70	32.91	43.13	42.76	54.00	-11.24	Average	0.00	
3 2486.344	4.84	27.72	32.91	42.41	42.06	54.00	-11.94	Average	0.00	

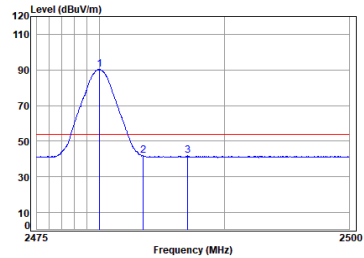
BLE_2M_TX_CH_39_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp 2480.000	4.84	27.68	32.91	95.03	94.64	74.00	20.64	Peak	0.00	
2 2483.500	4.84	27.70	32.91	56.75	56.38	74.00	-17.62	Peak	0.00	
3 2493.971	4.84	27.76	32.91	55.06	54.69	74.00	-19.31	Peak	0.00	

BLE_2M_TX_CH_39_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp 2480.000	4.84	27.68	32.91	90.65	90.26	54.00	36.26	Average	0.00	
2 2483.500	4.84	27.70	32.91	42.13	41.76	54.00	-12.24	Average	0.00	
3 2487.044	4.84	27.72	32.91	42.11	41.76	54.00	-12.24	Average	0.00	



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

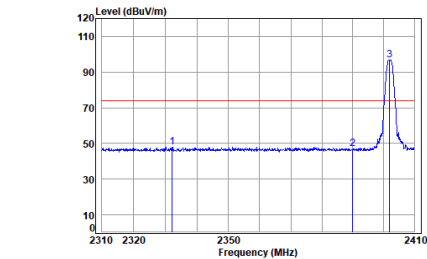
SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 16 of 48

YD Antenna:

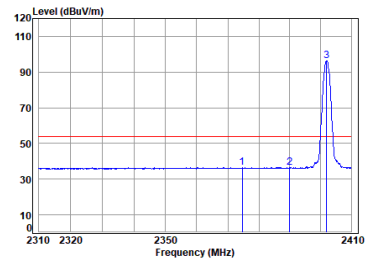
BLE_1M_TX_CH_00_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2402 Band edge
: BLE

	Freq	Cable	Ant	Preamp	Read	Limit	Over		Aux
	MHz	Loss	Factor	Factor	Level	Line	Limit	Remark	Factor
		dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1	2332.132	16.04	28.53	32.86	36.28	47.99	74.00	-26.81 Peak	0.00
2	2390.000	16.13	28.68	32.80	34.81	46.82	74.00	-27.18 Peak	0.00
3	2402.000	16.15	28.72	32.79	84.79	96.87	74.00	22.87 Peak	0.00

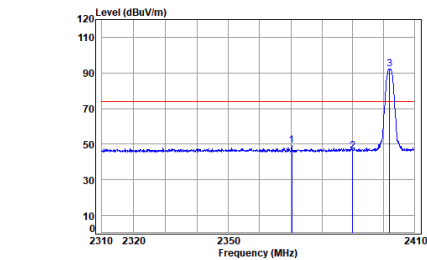
BLE_1M_TX_CH_00_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2402 Band edge
: BLE

	Freq	Cable	Ant	Preamp	Read	Level	Limit	Over		Aux
	MHz	Loss	Factor	Factor	Level	Line	Line	Limit	Remark	Factor
		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	2374.618	16.11	28.65	32.82	24.60	36.54	54.00	-17.46 Average	0.00	
2	2390.000	16.13	28.68	32.80	24.44	36.45	54.00	-17.55 Average	0.00	
3	2402.000	16.15	28.72	32.79	84.42	96.50	54.00	42.50 Average	0.00	

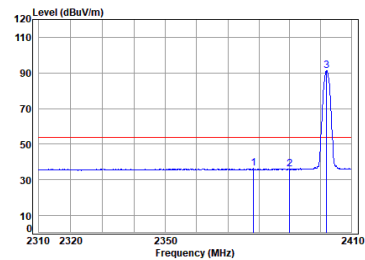
BLE_1M_TX_CH_00_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2402 Band edge
: BLE

	Freq	Cable	Ant	Preamp	Read	Limit	Over		Aux
	MHz	Loss	Factor	Factor	Level	Line	Limit	Remark	Factor
		dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1	2370.294	16.10	28.64	32.82	37.15	49.07	74.00	-24.93 Peak	0.00
2	2390.000	16.13	28.68	32.80	33.90	45.91	74.00	-28.09 Peak	0.00
3	2402.000	16.15	28.72	32.79	80.15	92.23	74.00	18.23 Peak	0.00

BLE_1M_TX_CH_00_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2402 Band edge
: BLE

	Freq	Cable	Ant	Preamp	Read	Level	Limit	Over		Aux
	MHz	Loss	Factor	Factor	Level	Line	Line	Limit	Remark	Factor
		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	2378.243	16.12	28.66	32.82	24.53	36.49	54.00	-17.51 Average	0.00	
2	2390.000	16.13	28.68	32.80	24.02	36.03	54.00	-17.97 Average	0.00	
3	2402.000	16.15	28.72	32.79	79.36	91.44	54.00	37.44 Average	0.00	

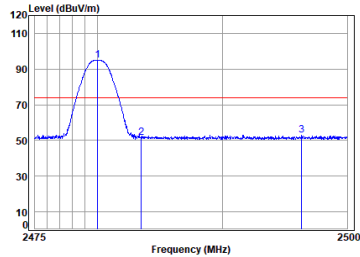
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 17 of 48

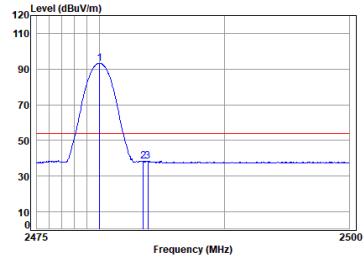
BLE_1M_TX_CH_39_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	2480.000	16.27	29.16	32.72	82.10	94.81	74.00	20.81	Peak		0.00
2	2483.500	16.28	29.17	32.72	38.00	51.53	74.00	-22.47	Peak		0.00
3	2496.334	16.29	29.19	32.71	40.10	52.87	74.00	-21.13	Peak		0.00

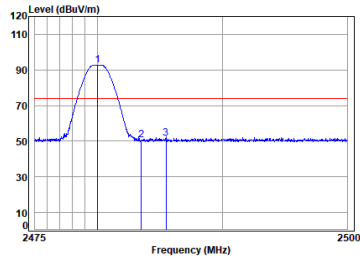
BLE_1M_TX_CH_39_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	2480.000	16.27	29.16	32.72	80.60	93.31	54.00	39.31	Average		0.00
2	2483.500	16.28	29.17	32.72	25.53	38.26	54.00	-15.74	Average		0.00
3	2483.846	16.28	29.17	32.72	25.66	38.39	54.00	-15.61	Average		0.00

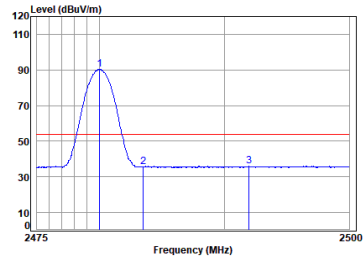
BLE_1M_TX_CH_39_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	2480.000	16.27	29.16	32.72	80.11	92.82	74.00	18.82	Peak		0.00
2	2483.500	16.28	29.17	32.72	38.04	50.77	74.00	-23.23	Peak		0.00
3	2485.469	16.28	29.17	32.72	38.68	51.41	74.00	-22.59	Peak		0.00

BLE_1M_TX_CH_39_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	2480.000	16.27	29.16	32.72	77.61	90.32	54.00	36.32	Average		0.00
2	2483.500	16.28	29.17	32.72	23.06	35.79	54.00	-18.21	Average		0.00
3	2491.973	16.29	29.18	32.71	23.26	36.02	54.00	-17.98	Average		0.00



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

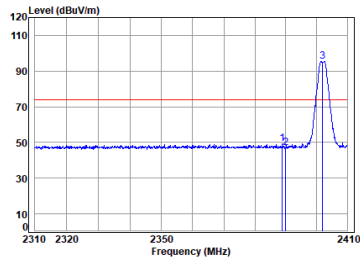
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 18 of 48

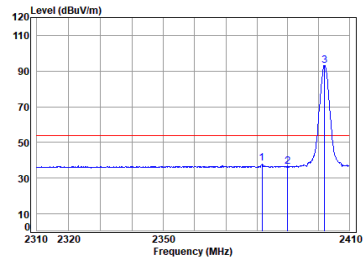
BLE_2M_TX_CH_00_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2402 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	2388.850	16.13	28.68	32.81	37.14	49.14	74.00	-24.86	Peak		0.00
2	2390.000	16.13	28.68	32.80	34.98	46.99	74.00	-27.01	Peak		0.00
3 pp	2402.000	16.15	28.72	32.79	83.41	95.49	74.00	21.49	Peak		0.00

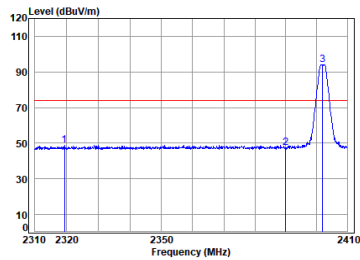
BLE_2M_TX_CH_00_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2402 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	2381.672	16.12	28.66	32.81	26.18	38.15	54.00	-15.85	Average		0.00
2	2390.000	16.13	28.68	32.80	24.55	36.56	54.00	-17.44	Average		0.00
3 pp	2402.000	16.15	28.72	32.79	81.18	93.26	54.00	39.26	Average		0.00

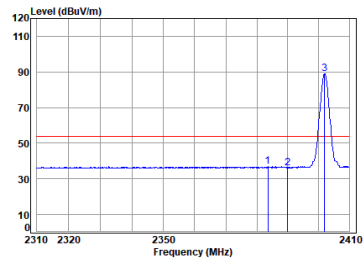
BLE_2M_TX_CH_00_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2402 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	2319.319	16.02	28.48	32.87	37.32	48.95	74.00	-25.05	Peak		0.00
2	2390.000	16.13	28.68	32.80	35.49	47.50	74.00	-26.50	Peak		0.00
3 pp	2402.000	16.15	28.72	32.79	82.06	94.14	74.00	20.14	Peak		0.00

BLE_2M_TX_CH_00_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2402 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	2383.591	16.12	28.67	32.81	24.94	36.92	54.00	-17.08	Average		0.00
2	2390.000	16.13	28.68	32.80	24.15	36.16	54.00	-17.84	Average		0.00
3 pp	2402.000	16.15	28.72	32.79	76.91	88.99	54.00	34.99	Average		0.00



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

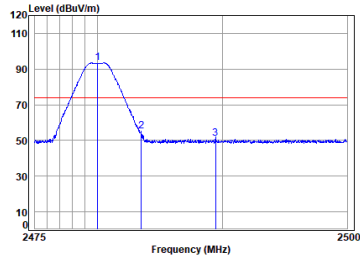
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 19 of 48

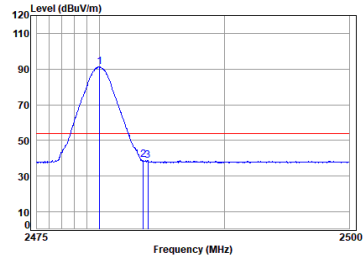
BLE_2M_TX_CH_39_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	pp 2480.000	16.27	29.16	32.72	88.67	93.38	74.00	19.38	Peak		0.00
2	2483.500	16.28	29.17	32.72	42.30	55.03	74.00	-18.97	Peak		0.00
3	2489.419	16.28	29.18	32.71	38.42	51.17	74.00	-22.83	Peak		0.00

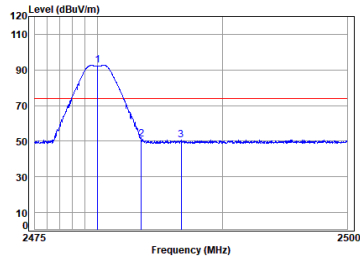
BLE_2M_TX_CH_39_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	pp 2480.000	16.27	29.16	32.72	78.53	91.24	54.00	37.24	Average		0.00
2	2483.500	16.28	29.17	32.72	26.73	39.46	54.00	-14.54	Average		0.00
3	2483.846	16.28	29.17	32.72	25.98	38.63	54.00	-15.37	Average		0.00

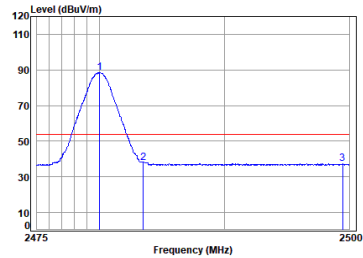
BLE_2M_TX_CH_39_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	pp 2480.000	16.27	29.16	32.72	79.93	92.64	74.00	18.64	Peak		0.00
2	2483.500	16.28	29.17	32.72	38.20	50.93	74.00	-23.07	Peak		0.00
3	2486.694	16.28	29.17	32.72	38.07	50.80	74.00	-23.20	Peak		0.00

BLE_2M_TX_CH_39_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 Band edge
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	pp 2480.000	16.27	29.16	32.72	75.95	88.66	54.00	34.66	Average		0.00
2	2483.500	16.28	29.17	32.72	25.24	37.97	54.00	-16.03	Average		0.00
3	2499.472	16.30	29.20	32.71	24.55	37.34	54.00	-16.66	Average		0.00

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 20 of 48

6.2 Radiated Spurious Emissions Below 1GHz

Test Requirement: 47 CFR Part 15, Subpart C 15.205 & 15.209
 Test Method: ANSI C63.10 (2020) Section 6.4,6.5
 Measurement Distance: 3m
 Test Engineer: Rex Liu

Limit:

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
960-1000	500	3

Note

1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

2. At frequencies below 1GHz, measurements may be performed at a distance different to specified in the regulations.

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Below 30MHz, Aux Factor = 40 dB/decade of distance, the aux factor is $40\log(3/300) = -80\text{dB}$ (for 3m test distance).

EX. Above 30MHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(10/3) = 10.46\text{dB}$ (for 10m test distance).

6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 21.4 °C Humidity: 50.6 % RH Atmospheric Pressure: 1000 mbar



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

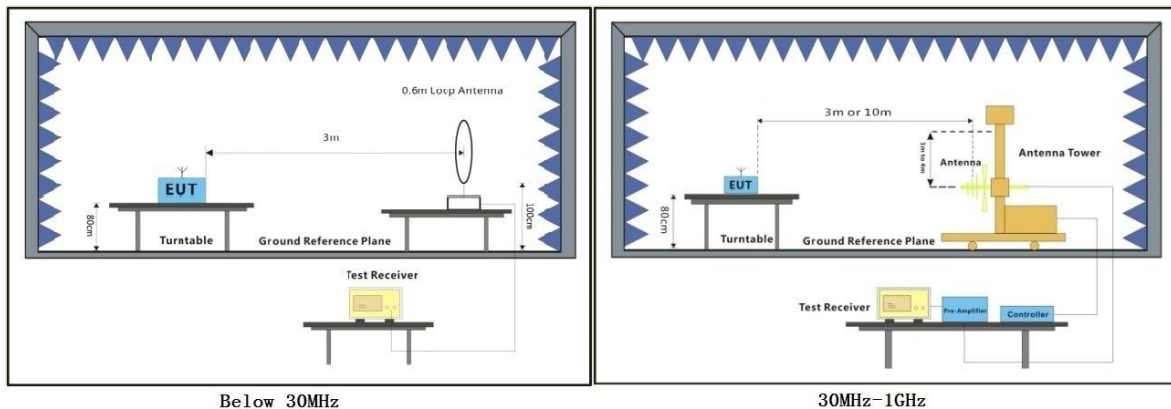
Report No.: FYCR260600004502

Page: 21 of 48

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Pre-scan	01	TX mode(2Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.

6.2.3 Test Setup Diagram



Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 22 of 48

6.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8m above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3m or 10m away from the interference-receiving antenna, which was mounted on the variable-height antenna tower.
- c. The antenna height is varied from 1m to 4m 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.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1m) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. 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 quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. 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.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. At frequencies below 1GHz, measurements may be performed at a distance different to specified in the regulations.

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Below 30MHz, Aux Factor = 40 dB/decade of distance, the aux factor is $40\log(3/300) = -80\text{dB}$ (for 3m test distance).

EX. Above 30MHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(10/3) = 10.46\text{dB}$ (for 10m test distance).

2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

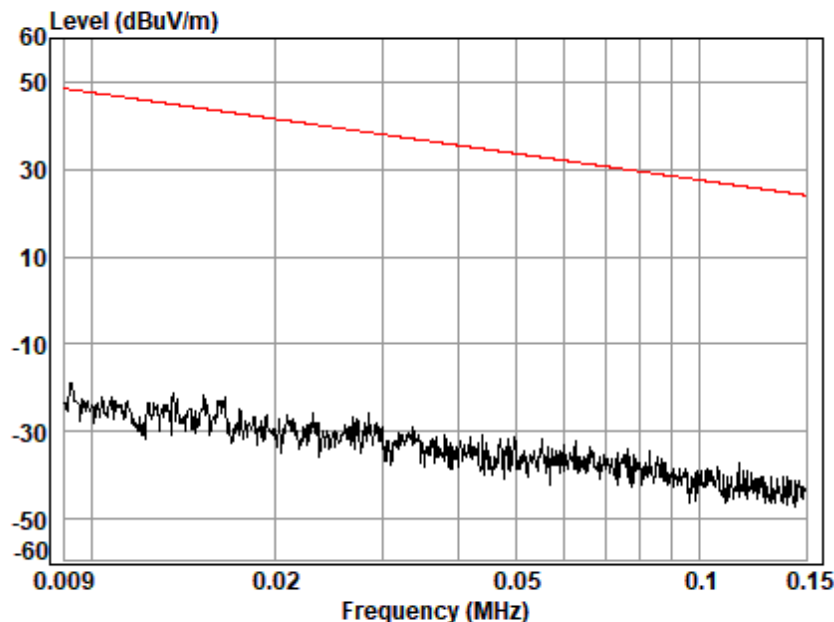
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 23 of 48

Test Mode: 00



Site : chamber
Condition: 3m
Job No. : 00045AT
Test Mode: 00
: coaxial



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

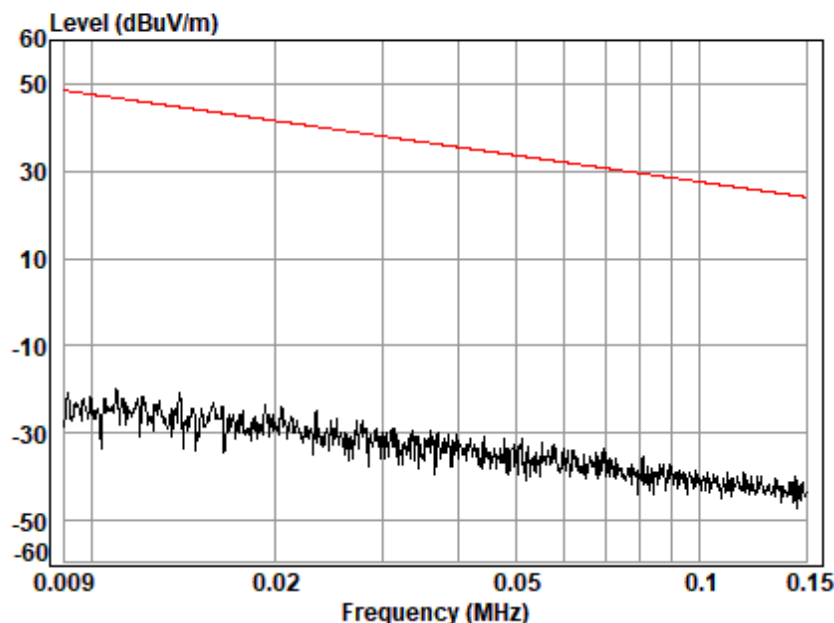
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 24 of 48

Test Mode: 00



Site : chamber
Condition: 3m
Job No. : 00045AT
Test Mode: 00
: coplanar



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-Documents.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

Compliance Certification Services (Kunshan) Inc.
Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

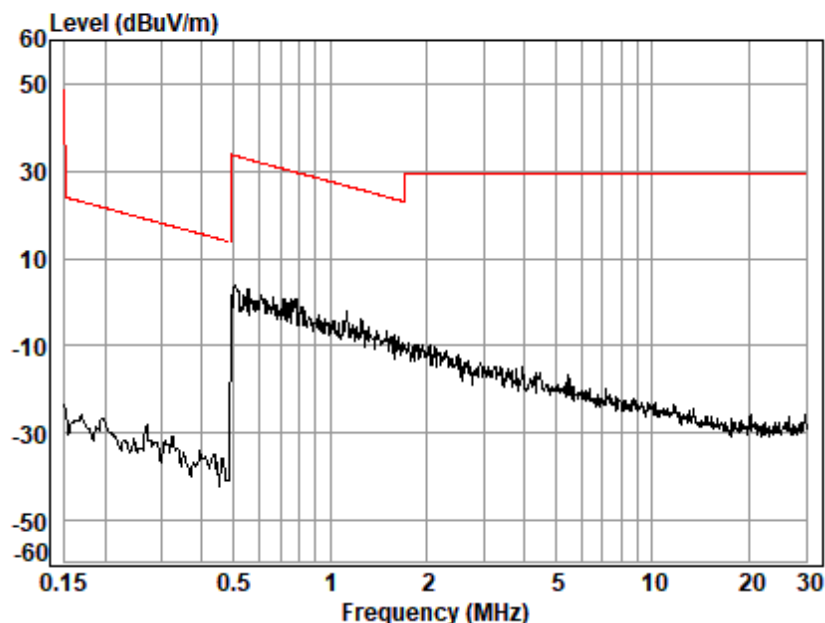
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 25 of 48

Test Mode: 00



Site : chamber
Condition: 3m
Job No. : 00045AT
Test Mode: 00
 : coaxial



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

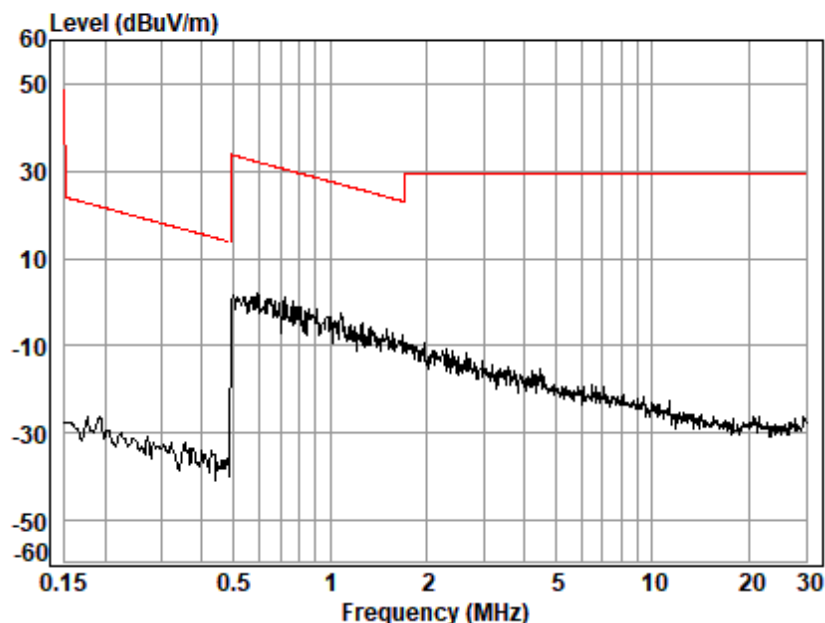
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 26 of 48

Test Mode: 00



Site : chamber
Condition: 3m
Job No. : 00045AT
Test Mode: 00
 : coplanar



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

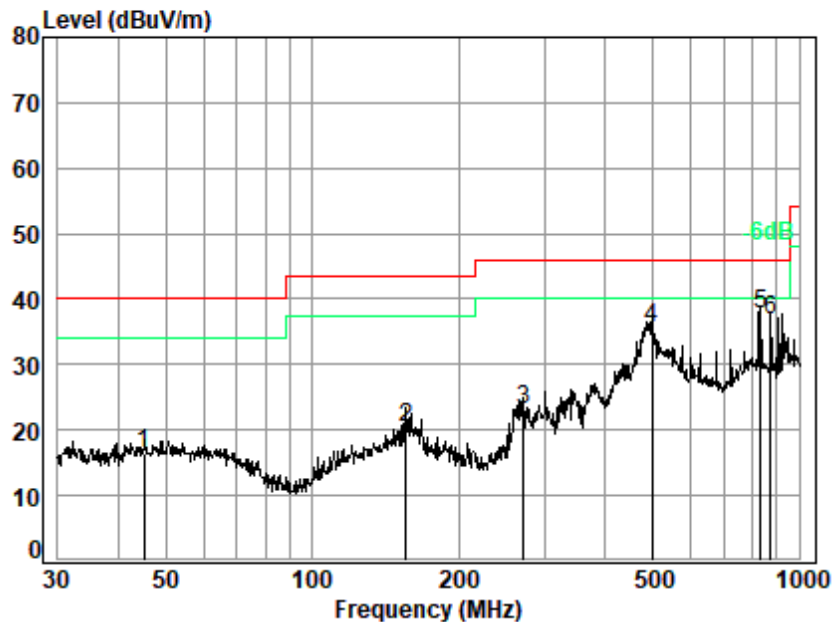
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 27 of 48

Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00045AT/00046AT
Mode : 00

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	45.22	0.59	17.65	26.11	24.35	16.48	40.00	-23.52	QP
2	155.91	1.25	17.44	25.62	27.45	20.52	43.50	-22.98	QP
3	271.32	0.35	16.58	25.26	31.35	23.02	46.00	-22.98	QP
4	499.42	1.45	21.89	26.60	38.87	35.61	46.00	-10.39	QP
5	833.32	3.14	26.73	26.46	34.16	37.57	46.00	-8.43	QP
6	875.25	2.41	26.97	26.42	33.81	36.77	46.00	-9.23	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-Documents.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

Compliance Certification Services (Kunshan) Inc.
Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

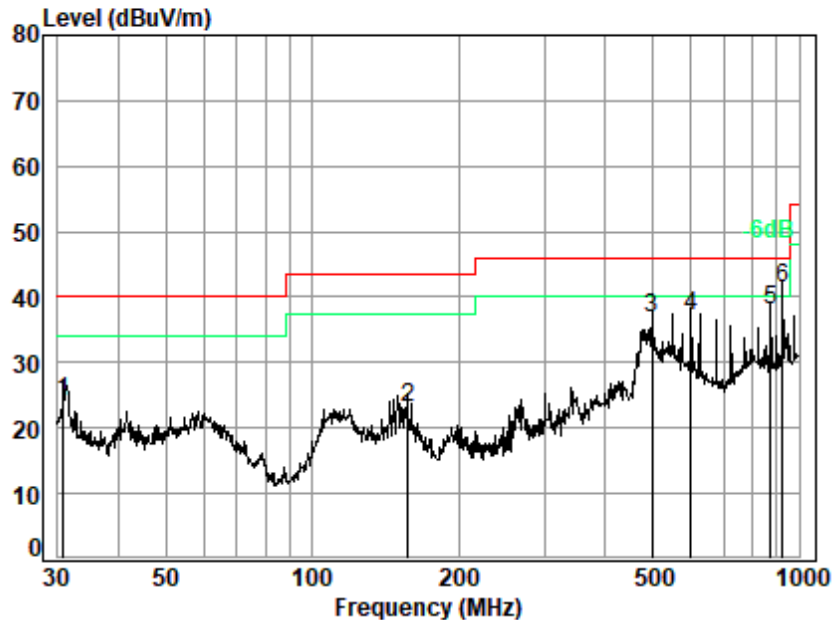
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 28 of 48

Test Mode: 00; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No : 00045AT/00046AT

Mode : 00

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.85	0.66	16.62	26.13	32.84	23.99	40.00	-16.01 QP
2	157.01	1.24	17.45	25.61	30.07	23.15	43.50	-20.35 QP
3	497.68	1.44	21.84	26.59	40.25	36.94	46.00	-9.06 QP
4	599.32	3.50	23.92	26.56	36.36	37.22	46.00	-8.78 QP
5	875.25	2.41	26.97	26.42	35.03	37.99	46.00	-8.01 QP
6	925.76	2.40	28.01	26.37	37.47	41.51	46.00	-4.49 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-Documents.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

Compliance Certification Services (Kunshan) Inc.
Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 29 of 48

6.3 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209
 Test Method: ANSI C63.10 (2020) Section 6.6 & 11.12
 Measurement Distance: 3m
 Test Engineer: Rex Liu

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

Note:

At Above 18GHz, measurements may be performed at a distance shorter than that specified in the regulations

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Above 18GHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(1/3) = -9.54\text{dB}$ (for 1m test distance).

6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 21.4 °C Humidity: 51.9 % RH Atmospheric Pressure: 1000 mbar

6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Pre-scan	01	TX mode(2Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.

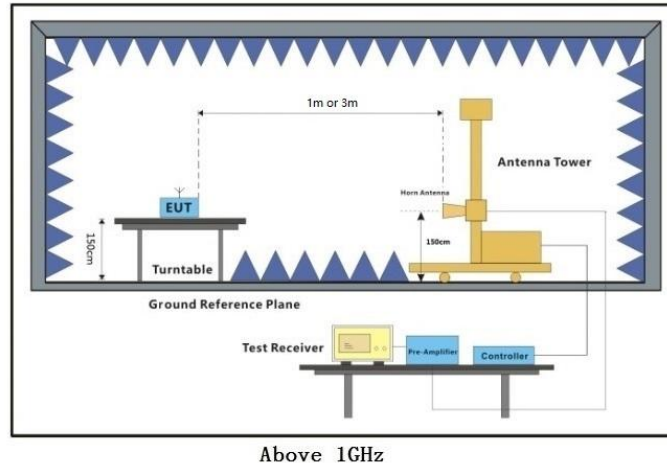


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Compliance Certification Services (Kunshan) Inc.
 Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

6.3.3 Test Setup Diagram



6.3.4 Measurement Procedure and Data

- For above 1GHz, the EUT was placed on the top of a rotating table 1.5m above the ground at a 3m fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3m away from the interference-receiving antenna from 1GHz to 18GHz, and 1m away from the interference-receiving antenna above 18GHz.
- The interference-receiving antenna was mounted on the variable-height antenna tower, with its boresight facing the EUT throughout the test.
- The antenna height is varied from 1m to 4m 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.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1m to 4m and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- 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.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- Scan from 1GHz to 10th harmonic of the highest frequency or 40 GHz, whichever is lower.
- As shown in this section, 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.
- For the frequency above 18GHz, testing had been executed under all test modes, only the worst-case test curve is displayed in the report.
- For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s).



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

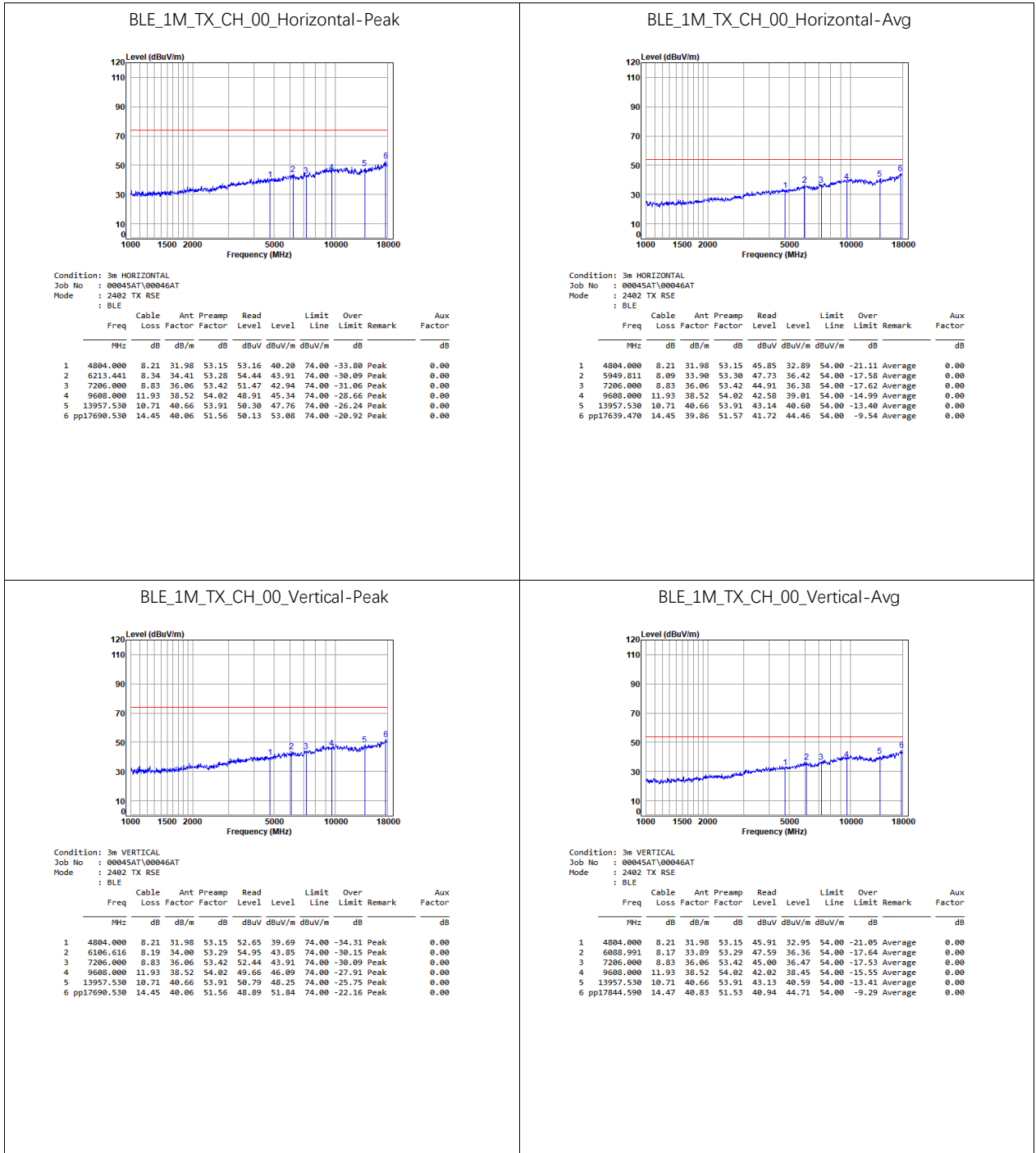
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 31 of 48

SY Antenna:



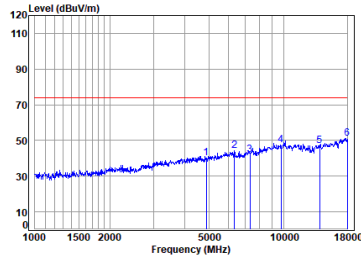
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 32 of 48

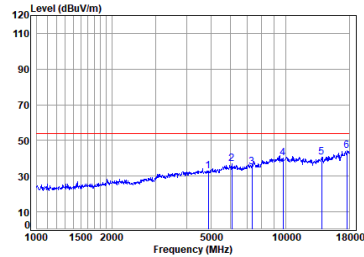
BLE_1M_TX_CH_19_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4880.000	8.26	32.06	53.17	52.87	40.02	74.00	-33.98	Peak		0.00
2	6340.436	8.52	33.97	53.26	54.93	44.16	74.00	-29.84	Peak		0.00
3	7320.000	8.98	36.14	53.53	50.53	42.12	74.00	-31.88	Peak		0.00
4	9760.000	11.90	38.32	54.05	51.15	47.32	74.00	-26.68	Peak		0.00
5	13957.530	10.71	40.66	53.91	49.74	47.20	74.00	-26.80	Peak		0.00
6	pp18000.000	14.49	43.20	51.50	45.08	51.27	74.00	-22.73	Peak		0.00

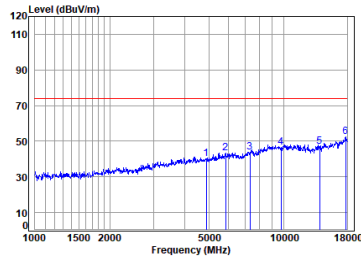
BLE_1M_TX_CH_19_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4880.000	8.26	32.06	53.17	45.76	32.91	54.00	-21.09	Average		0.00
2	6071.417	8.14	33.71	53.29	48.17	36.73	54.00	-17.27	Average		0.00
3	7320.000	8.98	36.14	53.53	43.62	35.21	54.00	-18.79	Average		0.00
4	9760.000	11.90	38.32	54.05	44.00	40.17	54.00	-13.83	Average		0.00
5	13957.530	10.71	40.66	53.91	43.09	40.55	54.00	-13.45	Average		0.00
6	pp17639.470	14.45	39.86	51.57	41.50	44.24	54.00	-9.76	Average		0.00

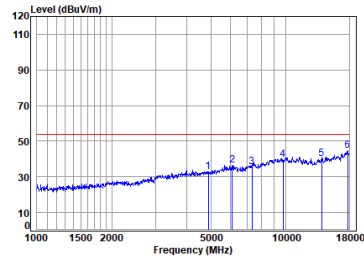
BLE_1M_TX_CH_19_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4880.000	8.26	32.06	53.17	53.05	40.20	74.00	-33.80	Peak		0.00
2	5847.517	8.20	33.09	53.29	55.48	43.48	74.00	-30.52	Peak		0.00
3	7320.000	8.98	36.14	53.53	52.32	43.91	74.00	-30.09	Peak		0.00
4	9760.000	11.90	38.32	54.05	50.56	46.73	74.00	-27.27	Peak		0.00
5	13957.530	10.71	40.66	53.91	49.50	46.96	74.00	-27.04	Peak		0.00
6	pp17741.740	14.46	40.14	51.55	49.59	52.64	74.00	-21.36	Peak		0.00

BLE_1M_TX_CH_19_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4880.000	8.26	32.06	53.17	45.71	32.86	54.00	-21.14	Average		0.00
2	6088.991	8.17	33.89	53.29	47.69	36.46	54.00	-17.54	Average		0.00
3	7320.000	8.98	36.14	53.53	44.13	35.72	54.00	-18.28	Average		0.00
4	9760.000	11.90	38.32	54.05	43.40	39.57	54.00	-14.43	Average		0.00
5	13957.530	10.71	40.66	53.91	42.61	40.07	54.00	-13.93	Average		0.00
6	pp17741.740	14.46	40.14	51.55	41.58	44.63	54.00	-9.37	Average		0.00



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

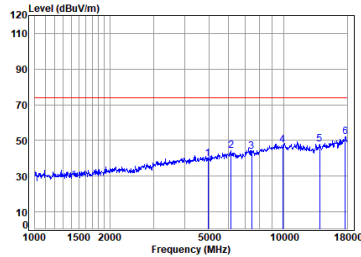
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 33 of 48

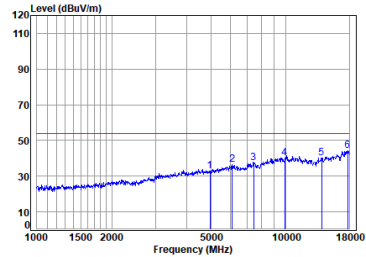
BLE_1M_TX_CH_39_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	Limit Remark	Factor
1 4960.000	8.32	32.26	53.19	52.38	39.77	74.00	-34.23	Peak	0.00
2 6142.019	8.24	34.00	53.28	55.26	44.22	74.00	-29.78	Peak	0.00
3 7440.000	9.14	36.90	53.66	51.41	43.79	74.00	-30.21	Peak	0.00
4 9920.000	11.86	38.86	54.08	50.75	47.39	74.00	-26.61	Peak	0.00
5 13957.530	10.71	40.66	53.91	50.35	47.81	74.00	-26.19	Peak	0.00
6 pp17690.530	14.45	40.06	51.56	48.93	51.88	74.00	-22.12	Peak	0.00

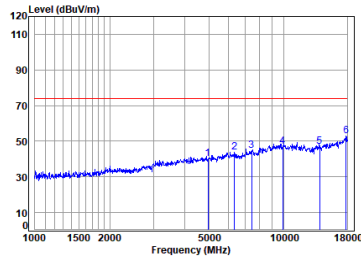
BLE_1M_TX_CH_39_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	Limit Remark	Factor
1 4960.000	8.32	32.26	53.19	45.58	32.97	54.00	-21.03	Average	0.00
2 6106.616	8.19	34.00	53.29	47.69	36.59	54.00	-17.41	Average	0.00
3 7440.000	9.14	36.90	53.66	44.98	37.36	54.00	-16.64	Average	0.00
4 9920.000	11.86	38.86	54.08	43.67	40.11	54.00	-13.89	Average	0.00
5 13957.530	10.71	40.66	53.91	42.67	40.13	54.00	-13.87	Average	0.00
6 pp17741.740	14.46	40.14	51.55	41.17	44.22	54.00	-9.78	Average	0.00

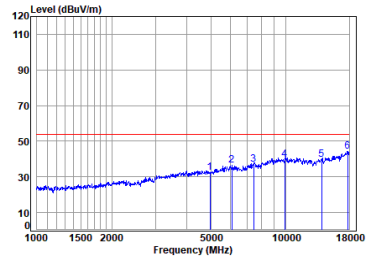
BLE_1M_TX_CH_39_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	Limit Remark	Factor
1 4960.000	8.32	32.26	53.19	52.54	39.93	74.00	-34.07	Peak	0.00
2 6340.436	8.52	33.97	53.26	54.60	43.83	74.00	-30.17	Peak	0.00
3 7440.000	9.14	36.90	53.66	52.36	44.74	74.00	-29.26	Peak	0.00
4 9920.000	11.86	38.86	54.08	50.17	46.81	74.00	-27.19	Peak	0.00
5 13957.530	10.71	40.66	53.91	49.61	47.07	74.00	-26.93	Peak	0.00
6 pp17844.590	14.47	40.83	51.53	49.20	52.97	74.00	-21.03	Peak	0.00

BLE_1M_TX_CH_39_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 TX RSE
BLE

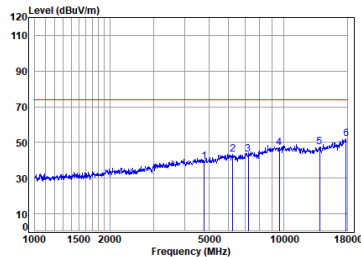
Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	Limit Remark	Factor
1 4960.000	8.32	32.26	53.19	44.94	32.33	54.00	-21.67	Average	0.00
2 6071.417	8.14	33.71	53.29	47.85	36.41	54.00	-17.59	Average	0.00
3 7440.000	9.14	36.90	53.66	44.38	36.76	54.00	-17.24	Average	0.00
4 9920.000	11.86	38.86	54.08	43.14	39.78	54.00	-14.22	Average	0.00
5 13957.530	10.71	40.66	53.91	42.32	39.78	54.00	-14.22	Average	0.00
6 pp17741.740	14.46	40.14	51.55	41.30	44.35	54.00	-9.65	Average	0.00



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

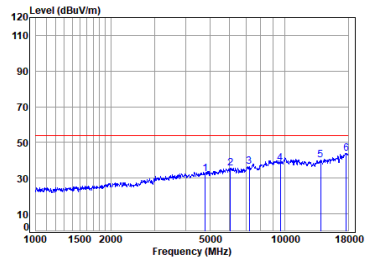
BLE_2M_TX_CH_00_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2402 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4804.000	8.21	31.98	53.15	52.34	39.38	74.00	-34.62	Peak		0.00
2	6249.464	8.39	34.70	53.27	53.66	43.48	74.00	-30.52	Peak		0.00
3	7206.000	8.83	36.06	53.42	51.96	43.43	74.00	-30.57	Peak		0.00
4	9608.000	11.93	38.52	54.02	50.52	46.95	74.00	-27.05	Peak		0.00
5	13957.530	10.71	40.66	53.91	50.04	47.50	74.00	-26.50	Peak		0.00
6	pp17793.098	14.47	48.19	51.54	48.74	51.86	74.00	-22.14	Peak		0.00

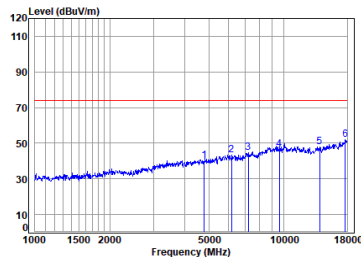
BLE_2M_TX_CH_00_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2402 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4804.000	8.21	31.98	53.15	45.54	32.58	54.00	-21.42	Average		0.00
2	6053.894	8.12	33.54	53.29	47.42	35.79	54.00	-18.21	Average		0.00
3	7206.000	8.83	36.06	53.42	45.23	36.70	54.00	-17.30	Average		0.00
4	9608.000	11.93	38.52	54.02	41.86	38.29	54.00	-15.71	Average		0.00
5	13957.530	10.71	40.66	53.91	42.89	40.35	54.00	-13.65	Average		0.00
6	pp17698.530	14.45	48.06	51.56	40.97	43.92	54.00	-10.08	Average		0.00

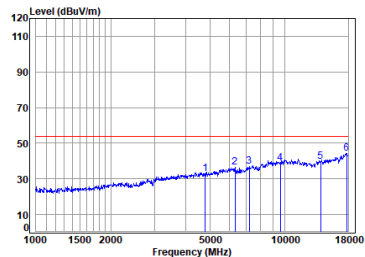
BLE_2M_TX_CH_00_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2402 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4804.000	8.21	31.98	53.15	53.22	40.26	74.00	-33.74	Peak		0.00
2	6177.627	8.29	34.17	53.28	54.38	43.56	74.00	-30.44	Peak		0.00
3	7206.000	8.83	36.06	53.42	53.02	44.49	74.00	-29.51	Peak		0.00
4	9608.000	11.93	38.52	54.02	50.00	46.43	74.00	-27.57	Peak		0.00
5	13957.530	10.71	40.66	53.91	50.35	47.81	74.00	-26.19	Peak		0.00
6	pp17698.530	14.45	48.06	51.56	49.04	51.99	74.00	-22.01	Peak		0.00

BLE_2M_TX_CH_00_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2402 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4804.000	8.21	31.98	53.15	45.99	33.03	54.00	-20.97	Average		0.00
2	6322.136	8.49	34.30	53.27	46.81	36.33	54.00	-17.67	Average		0.00
3	7206.000	8.83	36.06	53.42	45.30	36.77	54.00	-17.23	Average		0.00
4	9608.000	11.93	38.52	54.02	42.22	38.65	54.00	-15.35	Average		0.00
5	13957.530	10.71	40.66	53.91	42.38	39.84	54.00	-14.16	Average		0.00
6	pp17741.740	14.46	48.14	51.55	41.37	44.42	54.00	-9.58	Average		0.00

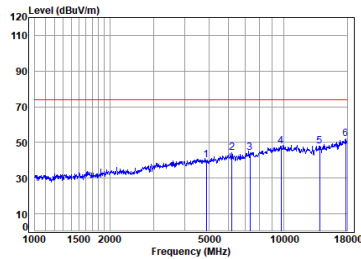
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 35 of 48

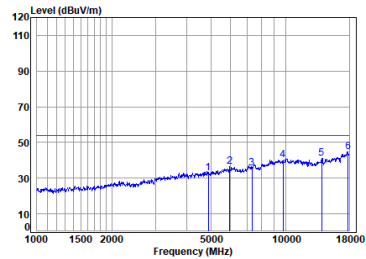
BLE_2M_TX_CH_19_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4880.000	8.26	32.06	53.17	52.85	40.00	74.00	-34.00	Peak	0.00	
2	6195.508	8.32	34.27	53.28	55.10	44.41	74.00	-29.59	Peak	0.00	
3	7320.000	8.98	36.14	53.53	52.46	44.05	74.00	-29.95	Peak	0.00	
4	9760.000	11.90	38.32	54.05	51.52	47.69	74.00	-26.31	Peak	0.00	
5	13957.530	10.71	40.66	53.91	50.44	47.90	74.00	-26.10	Peak	0.00	
6	pp17741.748	14.46	48.14	51.55	49.15	52.28	74.00	-21.80	Peak	0.00	

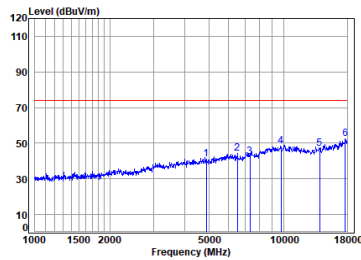
BLE_2M_TX_CH_19_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4880.000	8.26	32.06	53.17	45.86	33.01	54.00	-20.99	Average	0.00	
2	5949.811	8.09	33.90	53.30	47.63	36.32	54.00	-17.68	Average	0.00	
3	7320.000	8.98	36.14	53.53	44.20	35.79	54.00	-18.21	Average	0.00	
4	9760.000	11.90	38.32	54.05	43.81	35.98	54.00	-14.02	Average	0.00	
5	13957.530	10.71	40.66	53.91	43.65	41.11	54.00	-12.89	Average	0.00	
6	pp17793.090	14.47	40.19	51.54	41.52	44.64	54.00	-9.36	Average	0.00	

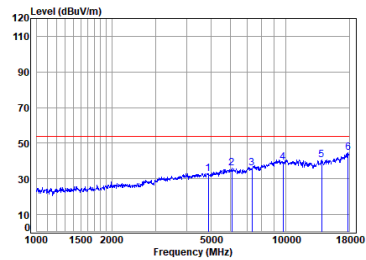
BLE_2M_TX_CH_19_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4880.000	8.26	32.06	53.17	53.87	41.02	74.00	-32.98	Peak	0.00	
2	6526.373	8.72	35.05	53.25	53.94	44.46	74.00	-29.54	Peak	0.00	
3	7320.000	8.98	36.14	53.53	50.68	42.27	74.00	-31.73	Peak	0.00	
4	9760.000	11.90	38.32	54.05	52.23	48.40	74.00	-25.60	Peak	0.00	
5	13957.530	10.71	40.66	53.91	49.75	47.21	74.00	-26.79	Peak	0.00	
6	pp17690.530	14.45	48.06	51.56	49.61	52.56	74.00	-21.44	Peak	0.00	

BLE_2M_TX_CH_19_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4880.000	8.26	32.06	53.17	45.70	32.85	54.00	-21.15	Average	0.00	
2	6071.417	8.14	33.71	53.29	47.62	36.18	54.00	-17.82	Average	0.00	
3	7320.000	8.98	36.14	53.53	44.39	35.98	54.00	-18.02	Average	0.00	
4	9760.000	11.90	38.32	54.05	43.19	39.36	54.00	-14.64	Average	0.00	
5	13957.530	10.71	40.66	53.91	43.37	40.83	54.00	-13.17	Average	0.00	
6	pp17844.590	14.47	40.83	51.53	40.72	44.49	54.00	-9.51	Average	0.00	



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

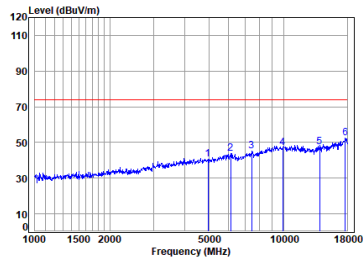
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 36 of 48

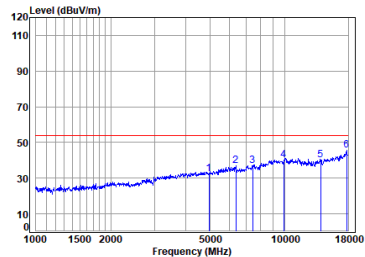
BLE_2M_TX_CH_39_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2400 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4960.000	8.32	32.26	53.19	53.20	40.59	74.00	-33.41	Peak		0.00
2	6124.292	8.22	34.00	53.29	54.73	43.66	74.00	-30.34	Peak		0.00
3	7440.000	9.14	36.90	53.66	52.65	45.03	74.00	-28.97	Peak		0.00
4	9920.000	11.86	38.86	54.08	50.37	47.01	74.00	-26.99	Peak		0.00
5	13957.530	10.71	40.66	53.91	50.19	47.65	74.00	-26.35	Peak		0.00
6	pp17690.530	14.45	40.06	51.56	49.38	52.33	74.00	-21.67	Peak		0.00

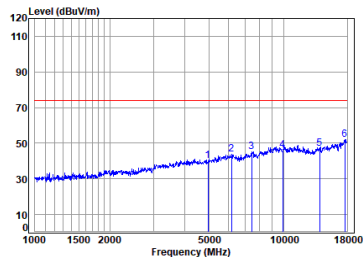
BLE_2M_TX_CH_39_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2400 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4960.000	8.32	32.26	53.19	44.89	32.28	54.00	-21.72	Average		0.00
2	6358.789	8.54	34.01	53.26	47.58	36.87	54.00	-17.13	Average		0.00
3	7440.000	9.14	36.90	53.66	44.79	37.17	54.00	-16.83	Average		0.00
4	9920.000	11.86	38.86	54.08	43.40	40.94	54.00	-13.96	Average		0.00
5	13957.530	10.71	40.66	53.91	42.66	40.12	54.00	-13.88	Average		0.00
6	pp17741.740	14.46	40.14	51.55	42.47	45.52	54.00	-8.48	Average		0.00

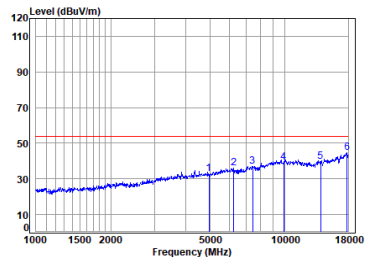
BLE_2M_TX_CH_39_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2400 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4960.000	8.32	32.26	53.19	52.67	40.06	74.00	-33.94	Peak		0.00
2	6177.627	8.29	34.17	53.28	54.47	43.65	74.00	-30.35	Peak		0.00
3	7440.000	9.14	36.90	53.66	52.71	45.09	74.00	-28.91	Peak		0.00
4	9920.000	11.86	38.86	54.08	49.28	45.92	74.00	-28.08	Peak		0.00
5	13957.530	10.71	40.66	53.91	49.52	46.98	74.00	-27.02	Peak		0.00
6	pp17639.470	14.45	39.86	51.57	49.25	51.99	74.00	-22.01	Peak		0.00

BLE_2M_TX_CH_39_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2400 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1	4960.000	8.32	32.26	53.19	45.44	32.83	54.00	-21.17	Average		0.00
2	6249.464	8.39	34.70	53.27	46.04	35.86	54.00	-18.14	Average		0.00
3	7440.000	9.14	36.90	53.66	44.69	37.07	54.00	-16.93	Average		0.00
4	9920.000	11.86	38.86	54.08	42.68	39.24	54.00	-14.76	Average		0.00
5	13957.530	10.71	40.66	53.91	42.39	39.85	54.00	-14.15	Average		0.00
6	pp17793.090	14.47	40.19	51.54	41.61	44.73	54.00	-9.27	Average		0.00



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

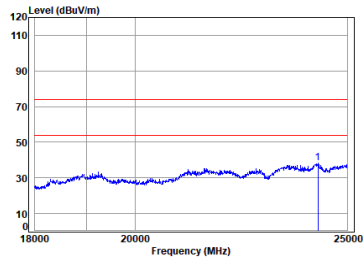
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 37 of 48

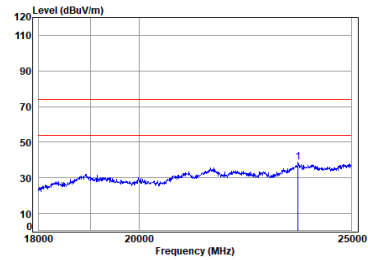
BLE_1M_TX_CH_19_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
: BLE

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp24239.818	9.63	39.30	44.98	44.12	38.53	74.00	-35.47	Peak	-9.54

BLE_1M_TX_CH_19_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
: BLE

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp23642.130	9.20	38.89	45.21	45.35	38.69	74.00	-35.31	Peak	-9.54



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-Documents.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

Compliance Certification Services (Kunshan) Inc.
Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

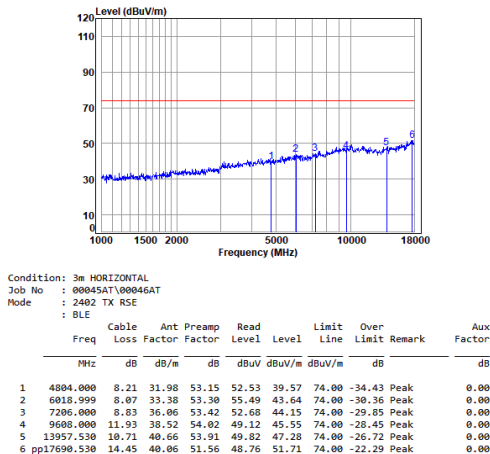
SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

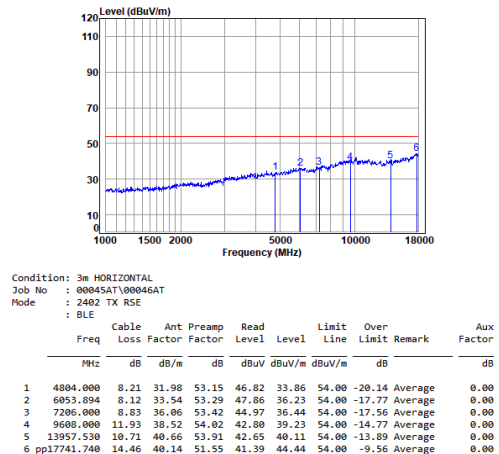
Page: 38 of 48

YD Antenna:

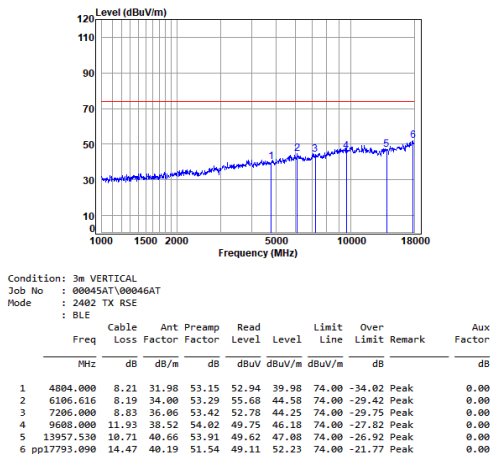
BLE_1M_TX_CH_00_Horizontal-Peak



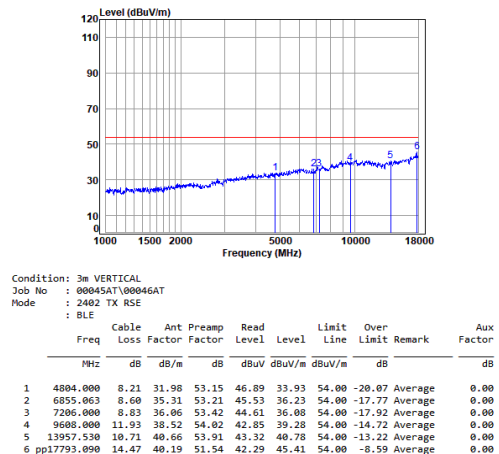
BLE_1M_TX_CH_00_Horizontal-Avg



BLE_1M_TX_CH_00_Vertical-Peak



BLE_1M_TX_CH_00_Vertical-Avg



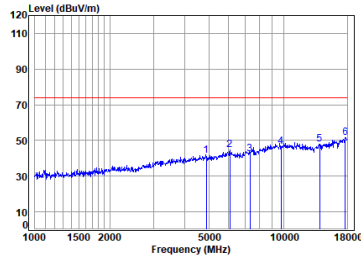
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 39 of 48

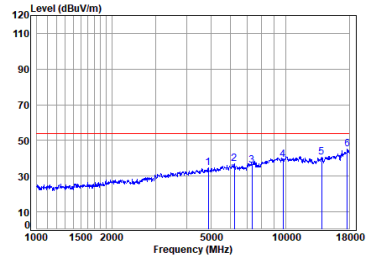
BLE_1M_TX_CH_19_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4880.000	8.26	32.06	53.17	54.47	41.62	74.00	-32.38	Peak		0.00
2 6071.417	8.14	33.71	53.29	55.93	44.49	74.00	-29.51	Peak		0.00
3 7320.000	8.98	36.14	53.53	58.92	42.51	74.00	-31.49	Peak		0.00
4 9760.000	11.90	38.32	54.05	58.42	46.59	74.00	-27.41	Peak		0.00
5 13957.530	10.71	40.66	53.91	58.29	47.75	74.00	-26.25	Peak		0.00
6 pp17690.530	14.45	40.06	51.56	48.81	51.76	74.00	-22.24	Peak		0.00

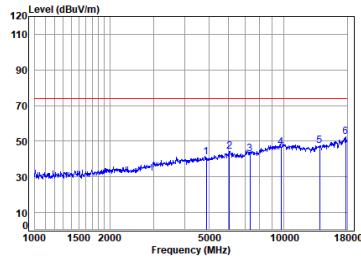
BLE_1M_TX_CH_19_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4880.000	8.26	32.06	53.17	47.35	34.50	54.00	-19.50	Average		0.00
2 6213.441	8.34	34.41	53.28	47.31	36.78	54.00	-17.22	Average		0.00
3 7320.000	8.98	36.14	53.53	44.28	35.87	54.00	-18.13	Average		0.00
4 9760.000	11.90	38.32	54.05	43.21	39.38	54.00	-14.62	Average		0.00
5 13957.530	10.71	40.66	53.91	42.94	40.40	54.00	-13.60	Average		0.00
6 pp17690.530	14.45	40.06	51.56	42.26	45.21	54.00	-8.79	Average		0.00

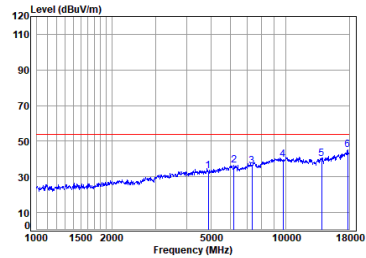
BLE_1M_TX_CH_19_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4880.000	8.26	32.06	53.17	53.77	40.92	74.00	-33.08	Peak		0.00
2 6053.894	8.12	33.54	53.29	56.05	44.42	74.00	-29.58	Peak		0.00
3 7320.000	8.98	36.14	53.53	51.29	42.79	74.00	-31.21	Peak		0.00
4 9760.000	11.90	38.32	54.05	50.49	46.66	74.00	-27.34	Peak		0.00
5 13957.530	10.71	40.66	53.91	50.15	47.61	74.00	-26.39	Peak		0.00
6 pp17741.740	14.46	40.14	51.55	49.54	52.59	74.00	-21.41	Peak		0.00

BLE_1M_TX_CH_19_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

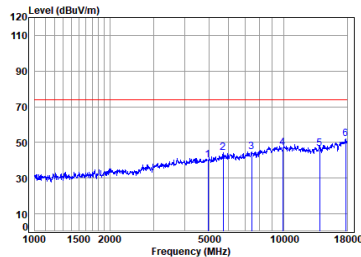
Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4880.000	8.26	32.06	53.17	46.25	33.40	54.00	-20.60	Average		0.00
2 6195.508	8.32	34.27	53.28	47.32	36.63	54.00	-17.37	Average		0.00
3 7320.000	8.98	36.14	53.53	44.32	35.91	54.00	-18.09	Average		0.00
4 9760.000	11.90	38.32	54.05	43.65	39.82	54.00	-14.18	Average		0.00
5 13957.530	10.71	40.66	53.91	42.68	40.14	54.00	-13.86	Average		0.00
6 pp17741.740	14.46	40.14	51.55	41.95	45.00	54.00	-9.00	Average		0.00



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

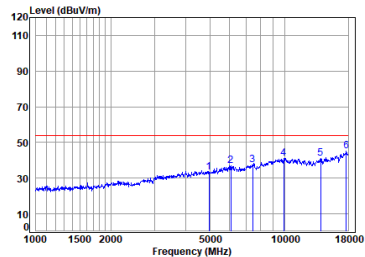
BLE_1M_TX_CH_39_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	Limit Remark	Factor
1 4960.000	8.32	32.26	53.19	52.94	40.33	74.00	-33.67	Peak	0.00
2 5713.856	8.35	33.18	53.27	55.94	44.20	74.00	-29.80	Peak	0.00
3 7440.000	9.14	36.90	53.66	52.14	44.52	74.00	-29.48	Peak	0.00
4 9920.000	11.86	38.86	54.08	50.33	46.97	74.00	-27.03	Peak	0.00
5 13957.530	10.71	40.66	53.91	49.16	46.62	74.00	-27.38	Peak	0.00
6 pp17741.748	14.46	48.14	51.55	48.86	51.91	74.00	-22.09	Peak	0.00

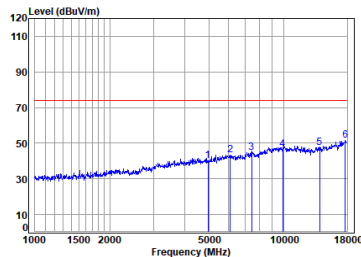
BLE_1M_TX_CH_39_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	Limit Remark	Factor
1 4960.000	8.32	32.26	53.19	52.94	40.33	74.00	-33.67	Average	0.00
2 6071.417	8.14	33.71	53.29	48.40	36.96	54.00	-17.04	Average	0.00
3 7440.000	9.14	36.90	53.66	45.01	37.39	54.00	-16.61	Average	0.00
4 9920.000	11.86	38.86	54.08	44.46	41.10	54.00	-12.90	Average	0.00
5 13957.530	10.71	40.66	53.91	43.80	41.26	54.00	-12.74	Average	0.00
6 pp17698.530	14.45	40.06	51.56	42.82	44.97	54.00	-9.03	Average	0.00

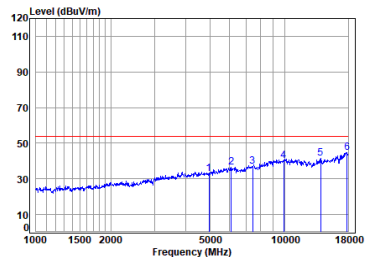
BLE_1M_TX_CH_39_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	Limit Remark	Factor
1 4960.000	8.32	32.26	53.19	52.81	40.20	74.00	-33.80	Peak	0.00
2 6088.991	8.17	33.09	53.29	54.68	43.45	74.00	-30.55	Peak	0.00
3 7440.000	9.14	36.90	53.66	52.32	44.70	74.00	-29.30	Peak	0.00
4 9920.000	11.86	38.86	54.08	50.01	46.65	74.00	-27.35	Peak	0.00
5 13957.530	10.71	40.66	53.91	49.80	47.26	74.00	-26.74	Peak	0.00
6 pp17698.530	14.45	40.06	51.56	48.71	51.66	74.00	-22.34	Peak	0.00

BLE_1M_TX_CH_39_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	Limit Remark	Factor
1 4960.000	8.32	32.26	53.19	45.34	32.73	54.00	-21.27	Average	0.00
2 6106.616	8.19	34.00	53.29	47.76	36.66	54.00	-17.34	Average	0.00
3 7440.000	9.14	36.90	53.66	44.80	37.18	54.00	-16.82	Average	0.00
4 9920.000	11.86	38.86	54.08	43.41	40.05	54.00	-13.95	Average	0.00
5 13957.530	10.71	40.66	53.91	44.11	41.57	54.00	-12.43	Average	0.00
6 pp17844.590	14.47	40.83	51.53	40.82	44.59	54.00	-9.41	Average	0.00

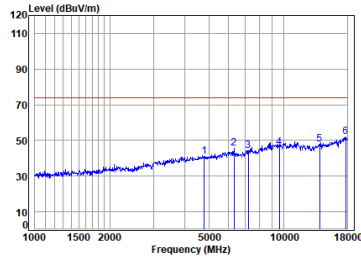
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 41 of 48

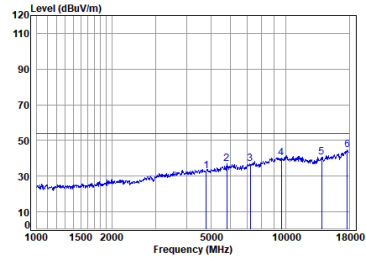
BLE_2M_TX_CH_00_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2402 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	Limit	Factor
1	4804.000	8.21	31.98	53.15	53.95	40.99	74.00	-33.01	Peak	0.00
2	6322.136	8.49	34.30	53.27	56.03	45.55	74.00	-28.45	Peak	0.00
3	7206.000	8.83	36.06	53.42	52.61	44.08	74.00	-29.92	Peak	0.00
4	9608.000	11.93	38.52	54.02	49.57	46.00	74.00	-28.00	Peak	0.00
5	13957.530	10.71	40.66	53.91	50.43	47.89	74.00	-26.11	Peak	0.00
6	pp17741.740	14.46	48.14	51.55	49.19	52.24	74.00	-21.76	Peak	0.00

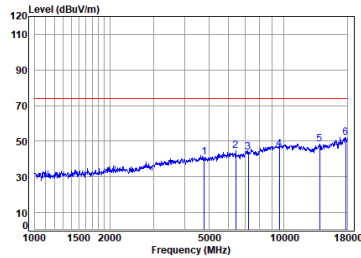
BLE_2M_TX_CH_00_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2402 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	Limit	Factor
1	4804.000	8.21	31.98	53.15	45.91	32.95	54.00	-21.05	Average	0.00
2	5797.032	8.26	32.93	53.28	48.85	36.76	54.00	-17.24	Average	0.00
3	7206.000	8.83	36.06	53.42	45.70	37.17	54.00	-16.83	Average	0.00
4	9608.000	11.93	38.52	54.02	43.63	40.96	54.00	-13.04	Average	0.00
5	13957.530	10.71	40.66	53.91	42.96	40.42	54.00	-13.58	Average	0.00
6	pp17698.530	14.45	48.06	51.56	41.63	44.58	54.00	-9.42	Average	0.00

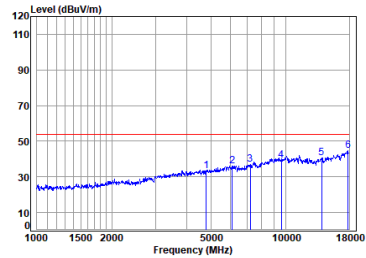
BLE_2M_TX_CH_00_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2402 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	Limit	Factor
1	4804.000	8.21	31.98	53.15	53.88	40.92	74.00	-33.08	Peak	0.00
2	6414.167	8.62	35.00	53.26	54.27	44.63	74.00	-29.37	Peak	0.00
3	7206.000	8.83	36.06	53.42	52.17	43.64	74.00	-30.36	Peak	0.00
4	9608.000	11.93	38.52	54.02	49.40	45.83	74.00	-28.17	Peak	0.00
5	13957.530	10.71	40.66	53.91	50.87	48.33	74.00	-25.67	Peak	0.00
6	pp17741.740	14.46	48.14	51.55	48.91	51.96	74.00	-22.04	Peak	0.00

BLE_2M_TX_CH_00_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2402 TX RSE
BLE

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	Limit	Factor
1	4804.000	8.21	31.98	53.15	46.33	33.37	54.00	-20.63	Average	0.00
2	6088.991	8.17	33.89	53.29	47.44	36.21	54.00	-17.79	Average	0.00
3	7206.000	8.83	36.06	53.42	45.63	37.10	54.00	-16.90	Average	0.00
4	9608.000	11.93	38.52	54.02	42.86	39.29	54.00	-14.71	Average	0.00
5	13957.530	10.71	40.66	53.91	43.34	40.80	54.00	-13.20	Average	0.00
6	pp17793.090	14.47	48.19	51.54	41.46	44.58	54.00	-9.42	Average	0.00



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

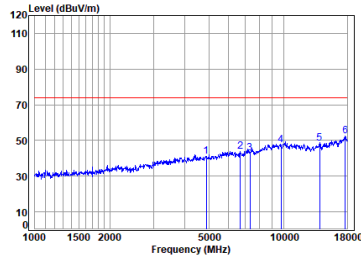
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 42 of 48

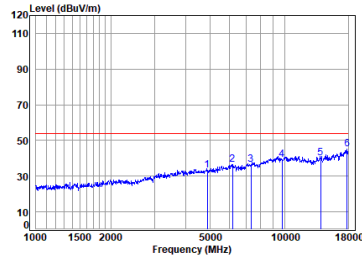
BLE_2M_TX_CH_19_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 4880.000	8.26	32.06	53.17	54.12	41.27	74.00	-32.73	Peak	0.00
2 6698.373	8.66	34.98	53.23	53.48	43.89	74.00	-30.11	Peak	0.00
3 7320.000	8.98	36.14	53.53	51.08	42.67	74.00	-31.33	Peak	0.00
4 9760.000	11.90	38.32	54.05	51.40	47.57	74.00	-26.43	Peak	0.00
5 13957.530	10.71	40.66	53.91	51.11	48.57	74.00	-25.43	Peak	0.00
6 pp17690.530	14.45	40.06	51.56	49.45	52.40	74.00	-21.60	Peak	0.00

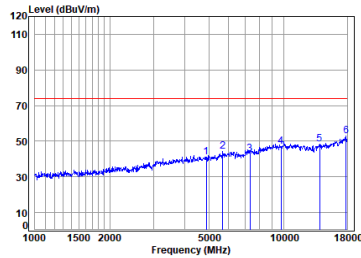
BLE_2M_TX_CH_19_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 4880.000	8.26	32.06	53.17	46.30	33.45	54.00	-20.55	Average	0.00
2 6177.627	8.29	34.17	53.28	47.42	36.60	54.00	-17.40	Average	0.00
3 7320.000	8.98	36.14	53.53	44.82	36.41	54.00	-17.59	Average	0.00
4 9760.000	11.90	38.32	54.05	43.81	39.18	54.00	-14.82	Average	0.00
5 13957.530	10.71	40.66	53.91	42.63	40.09	54.00	-13.91	Average	0.00
6 pp17793.090	14.47	40.19	51.54	41.87	44.99	54.00	-9.01	Average	0.00

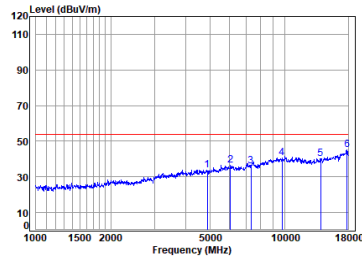
BLE_2M_TX_CH_19_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 4880.000	8.26	32.06	53.17	53.84	40.99	74.00	-33.01	Peak	0.00
2 5697.365	8.37	33.11	53.27	56.05	44.26	74.00	-29.74	Peak	0.00
3 7320.000	8.98	36.14	53.53	51.41	43.00	74.00	-31.00	Peak	0.00
4 9760.000	11.90	38.32	54.05	50.80	46.97	74.00	-27.03	Peak	0.00
5 13957.530	10.71	40.66	53.91	51.09	48.55	74.00	-25.45	Peak	0.00
6 pp17793.090	14.47	40.19	51.54	49.60	52.72	74.00	-21.28	Peak	0.00

BLE_2M_TX_CH_19_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
BLE

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 4880.000	8.26	32.06	53.17	46.77	33.92	54.00	-20.08	Average	0.00
2 6053.894	8.12	33.54	53.29	48.07	36.44	54.00	-17.56	Average	0.00
3 7320.000	8.98	36.14	53.53	44.24	35.83	54.00	-18.17	Average	0.00
4 9760.000	11.90	38.32	54.05	44.59	40.76	54.00	-13.24	Average	0.00
5 13957.530	10.71	40.66	53.91	42.83	40.29	54.00	-13.71	Average	0.00
6 pp17793.090	14.47	40.19	51.54	42.12	45.24	54.00	-8.76	Average	0.00



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

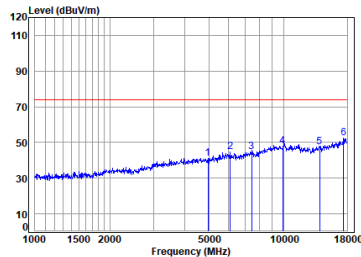
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 43 of 48

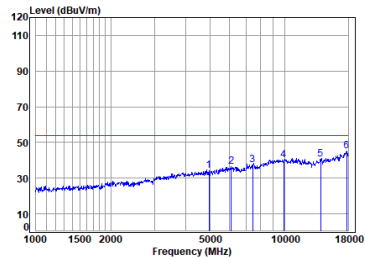
BLE_2M_TX_CH_39_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 TX RSE
BLE

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	dB
1	4960.000	8.32	32.26	53.19	53.81	41.20	74.00	-32.80	Peak
2	6088.991	8.17	33.89	53.29	55.77	44.54	74.00	-29.46	Peak
3	7440.000	9.14	36.90	53.66	52.45	44.83	74.00	-29.17	Peak
4	9920.000	11.86	38.86	54.08	51.06	47.70	74.00	-26.30	Peak
5	13957.530	10.71	40.66	53.91	50.11	47.57	74.00	-26.43	Peak
6	pp17436.718	14.42	39.24	51.61	50.53	52.58	74.00	-21.42	Peak

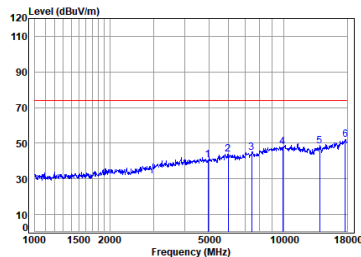
BLE_2M_TX_CH_39_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2480 TX RSE
BLE

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	dB
1	4960.000	8.32	32.26	53.19	46.61	34.00	54.00	-20.00	Average
2	6106.616	8.19	34.00	53.29	47.58	36.48	54.00	-17.52	Average
3	7440.000	9.14	36.90	53.66	45.06	37.44	54.00	-16.56	Average
4	9920.000	11.86	38.86	54.08	43.44	40.00	54.00	-13.92	Average
5	13957.530	10.71	40.66	53.91	43.29	40.75	54.00	-13.25	Average
6	pp17741.740	14.46	40.14	51.55	42.17	45.22	54.00	-8.78	Average

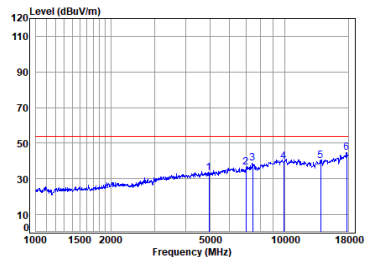
BLE_2M_TX_CH_39_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 TX RSE
BLE

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	dB
1	4960.000	8.32	32.26	53.19	53.31	40.70	74.00	-33.30	Peak
2	5984.305	8.06	33.49	53.30	55.41	43.66	74.00	-30.34	Peak
3	7440.000	9.14	36.90	53.66	52.19	44.57	74.00	-29.43	Peak
4	9920.000	11.86	38.86	54.08	51.13	47.77	74.00	-26.23	Peak
5	13957.530	10.71	40.66	53.91	51.13	48.59	74.00	-25.41	Peak
6	pp17690.530	14.45	40.06	51.56	49.28	52.23	74.00	-21.77	Peak

BLE_2M_TX_CH_39_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2480 TX RSE
BLE

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	dB
1	4960.000	8.32	32.26	53.19	46.13	33.52	54.00	-20.48	Average
2	6995.172	8.55	36.01	53.20	44.96	36.32	54.00	-17.68	Average
3	7440.000	9.14	36.90	53.66	46.27	38.65	54.00	-15.35	Average
4	9920.000	11.86	38.86	54.08	43.21	39.85	54.00	-14.15	Average
5	13957.530	10.71	40.66	53.91	42.91	40.37	54.00	-13.63	Average
6	pp17741.740	14.46	40.14	51.55	41.76	44.81	54.00	-9.19	Average



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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

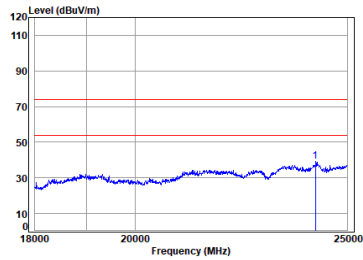
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 44 of 48

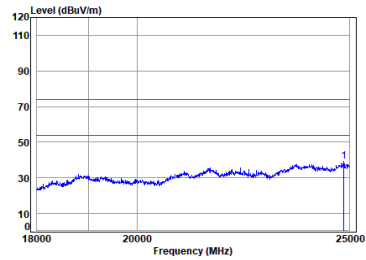
BLE_1M_TX_CH_19_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
: BLE

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp24184.148	9.54	39.30	45.01	45.08	39.37	74.00	-34.63	Peak	-9.54

BLE_1M_TX_CH_19_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00045AT\00046AT
Mode : 2440 TX RSE
: BLE

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp24868.780	10.60	39.00	44.67	43.89	39.28	74.00	-34.72	Peak	-9.54



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-Documents.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

Compliance Certification Services (Kunshan) Inc.
Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 45 of 48

6.4 Maximum Conducted Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)

Test Method: ANSI C63.10 (2020) Section 11.9.1

Test Engineer: Mingli Hu

Limit:

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

6.4.1 E.U.T. Operation

Operating Environment:

Temperature: 26.5 °C

Humidity: 45.6 % RH

Atmospheric Pressure: 1000 mbar

6.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	01	TX mode(2Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	02	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	03	Record mode(Antenna SY)_Keep the EUT working normally and recording.



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-Documents.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

Compliance Certification Services (Kunshan) Inc.
Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

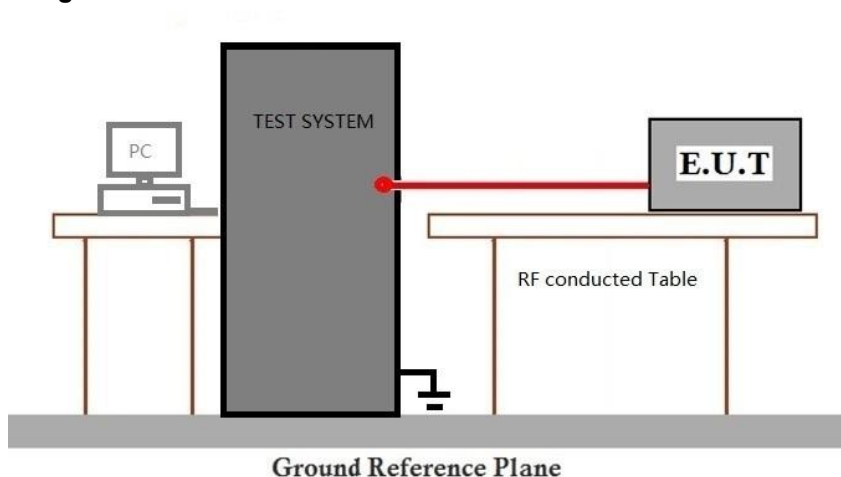
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 46 of 48

6.4.3 Test Setup Diagram



6.4.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for 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-Documents.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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/2

Report No.: FYCR260600004502

Page: 47 of 48

7 Test Setup Photo

Refer to Appendix – Test Setup Photos for FYCR2606000045AT

8 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for FYCR2606000045AT



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-Documents.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

Compliance Certification Services (Kunshan) Inc.
Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

9 Appendix

3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	5.94	<=30	Pass
		2440	6.38	<=30	Pass
		2480	6.02	<=30	Pass
2M	SISO	2402	6.02	<=30	Pass
		2440	6.44	<=30	Pass
		2480	6.04	<=30	Pass

Note1: Antenna Gain: Ant1: 2.48dBi;

- 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-Documents.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

Compliance Certification Services (Kunshan) Inc.
Shenzhen Branch

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com