SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District Shenzhen, China 518057

Telephone: +86 (0) 755 2601 2053
Fax: +86 (0) 755 2671 0594
Email: ee.shenzhen@sgs.com

TEST REPORT

Application No.:	SZEM1509005762CR
Applicant:	BEWELL CONNECT CORP
Address of Applicant:	SUITE 410 - 185 ALEWIFE BROOK PARKWAY COMBRIDGE, MA 02138 - USA
Manufacturer/ Factory:	SHENZHEN HEAL THCARE ELECTRONIC TECHNOLOGY CO., LTD.
Address of Manufacturer/ Factory:	Block 48, Changxing Industrial Zone, ChangZhen, Gongming Town, Guangming District, Shenzhen, Guangdong, China 518132
Equipment Under Test (EUT):	
EUT Name:	MyScale ANALYZER
Model No.:	BW-SC2W, FG9556W, BW-SC2B, FG9556B ♣
♣	Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
S/N:	BW-SC2W-PP-A1.1-019
Trade Mark:	Bewell connect
Standards:	47 CFR PART 15,Subpart B:2014
Date of Receipt:	2015-09-15
Date of Test:	2015-09-18
Date of Issue:	2015-10-21
Test Result :	**Pass***

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

Jack Zhang
EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.
If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.
The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.

2 Test Summary

Item	Standard	Method	Class	Result
Radiated Disturbance (30MHz-1GHz)	47 CFR PART 15,Subpart B:2014	ANSI C63.4	Class B	Pass

The highest frequency of the internal sources of the EUT	Upper frequency of measurement Range
Below 1.705MHz	30MHz
1.705MHz to 108MHz	1GHz
108MHz to 500MHz	2GHz
500MHz to 1GHz	5GHz
Above 1GHz	5th harmonic of the highest frequency or 40GHz, whichever is lower

Remark:

Model No.: BW-SC2W, FG9556W, BW-SC2B, FG9556B

Only the model BW-SC2W was tested, since the electrical circuit design, layout, components used and internal wiring were identical for all above models. Only different on model name, color and client.

3 Contents

4 General Information

4.1 Details of E.U.T.

Power Supply: 6V DC (4 x 1.5V "AAA" Size Batteries)

Internal Source 32MHz

4.2 Description of Support Units

The EUT has been tested as an independent unit.

4.3 Standards Applicable for Testing

Table 1 : Tests Carried Out Under 47 CFR PART 15,Subpart B:2014

Method	Item	Status
ANSI C63.4	Conducted Disturbance at Mains Terminals 150kHz-30MHz)	×
ANSI C63.4	Conducted Disturbance at Telecommunication Port(150kHz-30MHz)	×
ANSI C63.4	Radiated Disturbance(30MHz-1GHz)	√
ANSI C63.4	Radiated Disturbance(above 1GHz)	×

× Indicates that the test is not applicable
√ Indicates that the test is applicable

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch E&E Lab,

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 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:

•CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

• FCC – Registration No.: 556682

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 556682.

• Industry Canada (IC)

The 3m Semi-anechoic chambers and the 10m Semi-anechoic chambers of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-2, 4620C-3.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

5 Equipment List

Radiated Disturbance(30MHz-1GHz)					
Item	**Equipment**	**Manufacturer**	**Model No**	**Inventory No**	**Cal Due Date**
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEL0017	2016-05-13
2	EMI Test Receiver	Rohde & Schwarz	ESIB26	SEL0023	2016-05-13
3	EMI Test software	AUDIX	E3	SEL0050	N/A
4	Coaxial cable	SGS	N/A	SEL0028	2016-05-13
5	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEL0014	2015-10-24
6	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEL0053	2016-05-13

General used equipment					
Item	**Equipment**	**Manufacturer**	**Model No**	**Inventory No**	**Cal Due Date**
1	Humidity/Temperature Indicator	Shang Hai Meteorological Industry Factory	ZJ1-2B	SEL0101	2015-10-24
2	Humidity/Temperature Indicator	Shang Hai Meteorological Industry Factory	ZJ1-2B	SEL0102	2015-10-24
3	Humidity/Temperature Indicator	Shang Hai Meteorological Industry Factory	ZJ1-2B	SEL0103	2015-10-24
4	Barometer	Chang Chun Meteorological Industry Factory	DYM3	SEL0088	2016-05-13

6 Emission Test Results

6.1 Radiated Disturbance(30MHz-1GHz)

Test Requirement:	47 CFR PART 15,Subpart B:2014
Test Method:	ANSI C63.4
Frequency Range:	30MHz to 1GHz
Measurement Distance:	3m
Limit:	
30MHz -88MHz	40(dBμV/m) quasi-peak
88MHz-216MHz	43.5(dBμV/m) quasi-peak
216MHz-960MHz	46(dBμV/m) quasi-peak
960MHz-1000MHz	54(dBμV/m) quasi-peak
Detector:	Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz

6.1.1 E.U.T. Operation

Operating Environment:

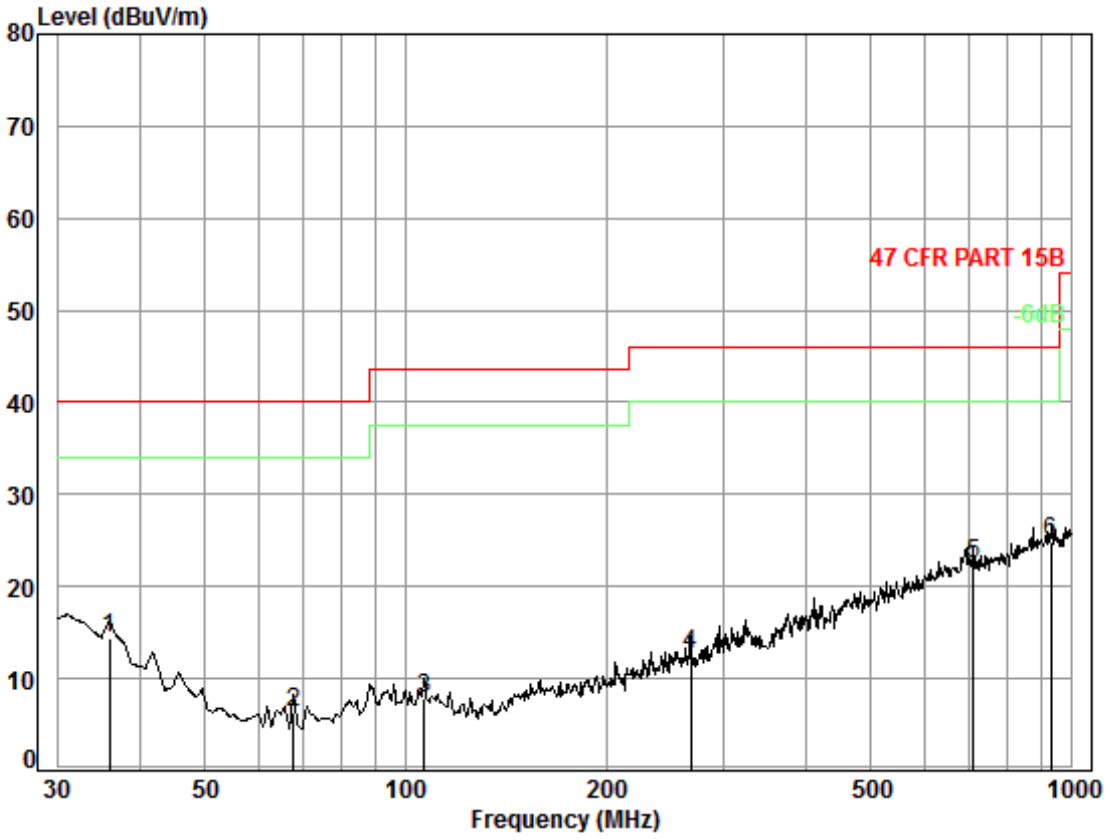
Temperature: 23.0 °C Humidity: 56 % RH Atmospheric Pressure: 1010 mbar

Test mode: a: On mode,Keep EUT working normally.

6.1.2 Measurement Data

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

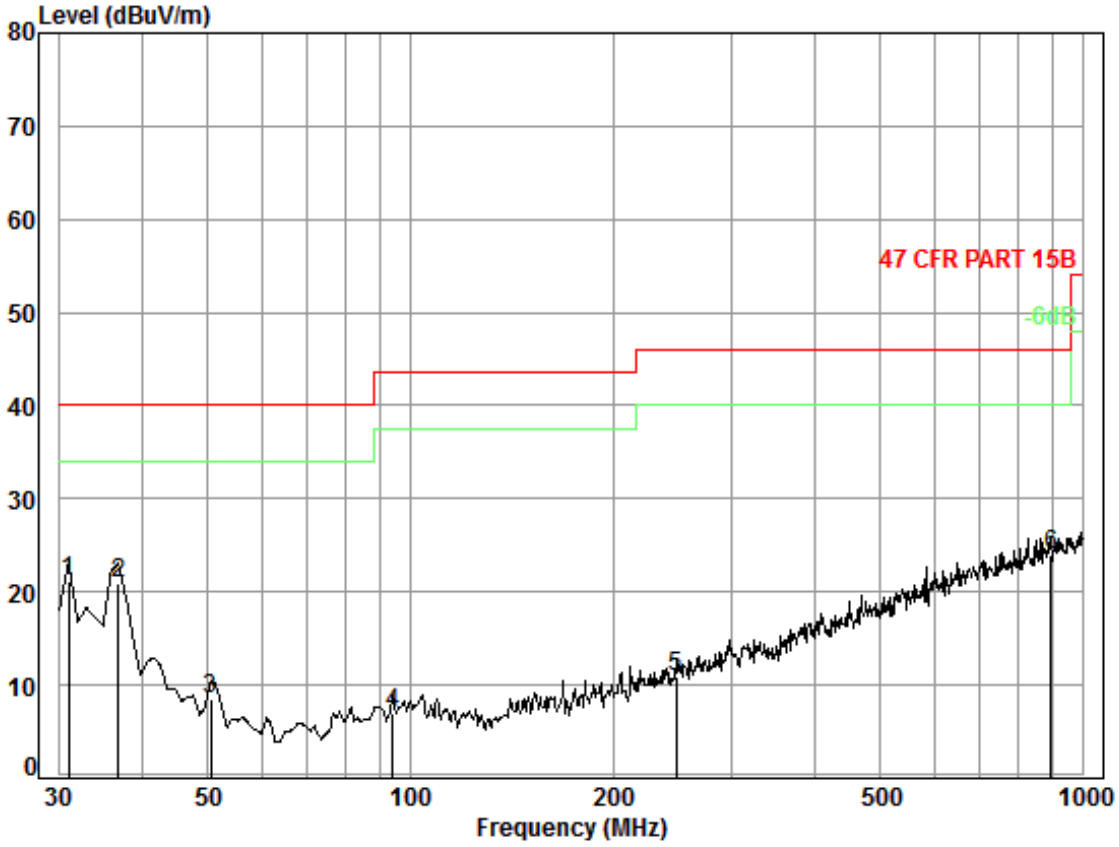
Mode:a;Polarization:Horizontal



Condition: 47 CFR PART 15B 3m 3142C Horizontal
Job No. : 5762CR
Test mode: a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	35.87	0.60	15.41	27.33	25.66	14.34	40.00	-25.66
2	67.91	0.80	6.96	27.25	25.78	6.29	40.00	-33.71
3	106.76	1.22	8.76	27.15	25.10	7.93	43.50	-35.57
4	268.49	1.76	12.67	26.49	24.66	12.60	46.00	-33.40
5	711.67	2.94	21.60	27.40	25.37	22.51	46.00	-23.49
6	932.27	3.63	23.30	26.61	24.49	24.81	46.00	-21.19

Mode:a;Polarization:Vertical

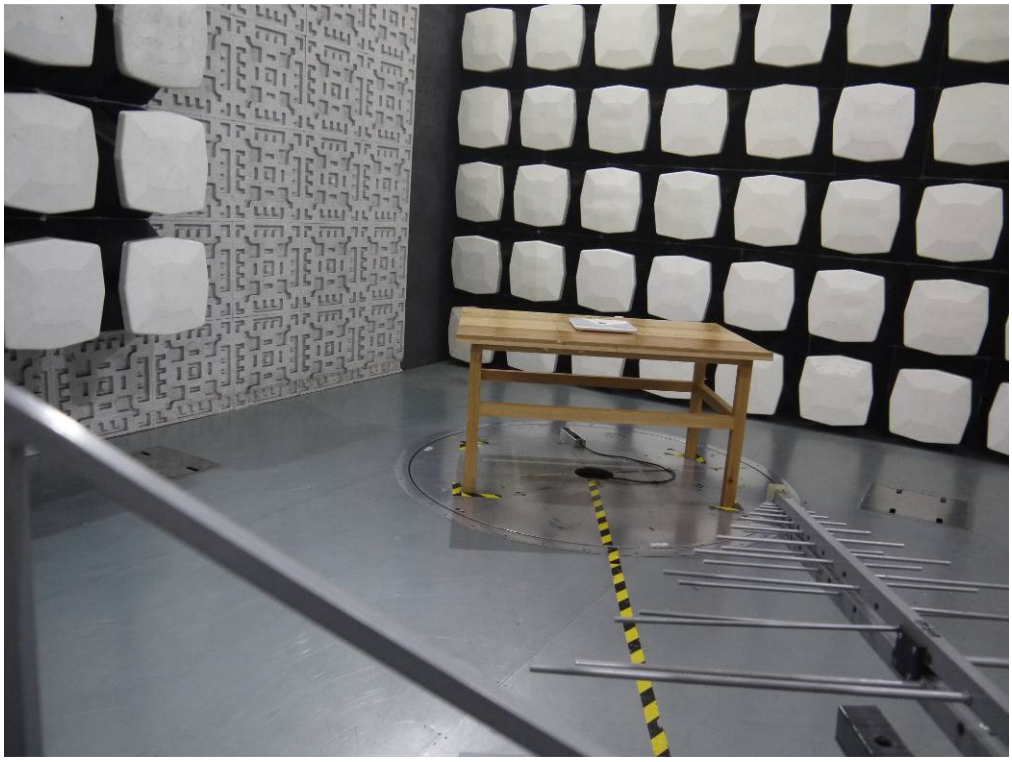


Condition: 47 CFR PART 15B 3m 3142C Vertical
Job No. : 5762CR
Test mode: a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.96	0.60	18.16	27.35	29.83	21.24	40.00	-18.76
2	36.77	0.60	14.91	27.33	32.85	21.03	40.00	-18.97
3	50.41	0.80	8.64	27.29	26.25	8.40	40.00	-31.60
4	94.10	1.14	8.86	27.21	24.20	6.99	43.50	-36.51
5	248.55	1.67	12.25	26.54	23.51	10.89	46.00	-35.11
6	897.00	3.59	23.18	26.78	23.95	23.94	46.00	-22.06

7 Photographs

7.1 Radiated Disturbance(30MHz-1GHz) Test Setup



7.2 EUT Constructional Details

Refer to Appendix A - Photographs of EUT Constructional Details for SZEM1509005762CR.