FCC Part 15B TEST REPORT

Report No: STS1609073E01

Issued for

Interglobe Connection Corp

3785 NW 82nd Avenue, Suite 403, Miami, FL 33166 USA

Product Name:	mobile phone
Brand Name:	SOLE
Model Name:	SOLE C26
Series Model:	N/A
FCC ID:	2AC7ISOLEC26
Test Standard:	FCC Part 15B

Shenzhen STS Test Services Co., Ltd.
1/F., Building B, Zhuoke Science Park, No.190, Chongqing Road,
Fuyong Street, Bao'an District, Shenzhen, Guangdong, China
TEL: +86-755 3688 6288 FAX: +86-755 3688 6277 E-mail:sts@stsapp.com

TEST RESULT CERTIFICATION

Applicant's name	:	Interglobe Connection Corp
Address	:	3785 NW 82nd Avenue, Suite 403, Miami, FL 33166 USA
Manufacture's Name	:	EZA Electronic limited
Address	:	RM1902(A) 19/F 38 PLAZA 38 SHAN TUNG ST MONGKOK KLN HONG KONG, CHINA

Product description

Product name	:	mobile phone
Brand name	:	SOLE
Model and/or type reference	:	SOLE C26
Standards	:	FCC Part 15B
Test procedure		ANSI C63.4-2014

This device described above has been tested by STS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.
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Date of Test .....

Date of performance of tests ..... 01 Sep. 2016~20 Sep. 2016

Date of Issue ..... 21 Sep. 2016

Test Result ..... **Pass**

Testing Engineer : _____
(Tony Liu)

Technical Manager : _____
(Vita Li)

Authorized Signatory : _____
(Bovey Yang)

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Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	21 Sep. 2016	STS1609073E01	ALL	Initial Issue

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

EMISSION			
Standard	Item	Result	Remarks
FCC 47 CFR Part 15 Subpart B (10-1-05 Edition)	Conducted Emission	PASS	Meet Class B limit
	Radiated Emission	PASS	Meet Class B limit

NOTE:

(1) ” N/A” denotes test is not applicable in this Test Report

1.1 TEST FACTORY

Shenzhen STS Test Services Co., Ltd.
Add.: 1/F., Building B, Zhuoke Science Park, No.190, Chongqing Road,
Fuyong Street, Bao’an District, Shenzhen, Guangdong, China
CNAS Registration No.: L7649;

FCC Registration No.: 842334; IC Registration No.: 12108A-1

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ± U，where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2，providing a level of confidence of approximately 95 %。

No.	Item	Uncertainty
1	Conducted Emission (9KHz-150KHz)	±2.88dB
2	Conducted Emission (150KHz-30MHz)	±2.67dB
3	RF power,conducted	±0.70dB
4	Spurious emissions,conducted	±1.19dB
5	All emissions,radiated(<30M) (9KHz-30MHz)	±2.45dB
6	All emissions,radiated(<1G) 30MHz-200MHz	±2.83dB
7	All emissions,radiated(<1G) 200MHz-1000MHz	±2.94dB
8	All emissions,radiated(>1G)	±3.03dB
9	Temperature	±0.5°C
10	Humidity	±2%

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	mobile phone
Trade Name	SOLE
Model Name	SOLE C26
Series Model	N/A
Model Difference	N/A
MCU Operating frequency	1.2GHz
Adapter	Input: AC 100-240V, 150mA, 50/60 Hz Output: DC 5V, 500mA
Battery	Rated Voltage: 3.7V Capacity: 600mAh
Hardware version number	S601-M-V1.0
Software version number	N/A
Connecting I/O Port(s)	Please refer to the User's Manual

Note: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

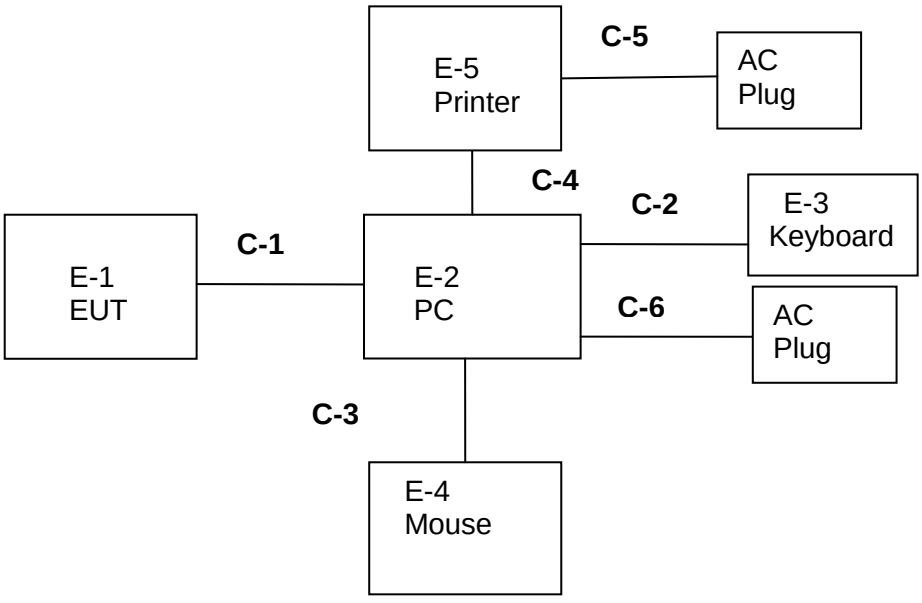
Pretest Mode	Description
Mode 1	USB port communication with PC

For Conducted Test	
Final Test Mode	Description
Mode 1	USB port communication with PC

For Radiated Test	
Final Test Mode	Description
Mode 1	USB port communication with PC

NOTE:
1. Due to the different configuration and test, in this list only some worse mode. The worst test data of the worse modeis reported by this report.
2. We have be tested for all avaiable U.S. voltage and frequencies(For 120V, 50/60Hz and 240V, 50/60Hz) for which the device is capable of operation.

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
E-1	mobile phone	SOLE	SOLE C26	N/A	EUT
E-2	PC	4CV428DQXR	500-320cx	4CV428DQYN	N/A
E-3	Keyboard	HP	PR1101U	DKUSB1B06Q42209FBK800	N/A
E-4	Mouse	MOTOSPEED	F66	697738-001	N/A
E-5	Printer	HP	HP1020	CNBB102765	N/A
C-6	AC (PC Adapter)	LITEON	PA-1650-86	3X06399004	N/A

Item	Shielded Type	Ferrite Core	Length	Note
C-1	USB Cable (FTP)	NO	90cm	N/A
C-2	USB Cable (FTP)	NO	100cm	N/A
C-3	USB Cable (FTP)	NO	100cm	N/A
C-4	USB Cable (FTP)	NO	110cm	N/A
C-5	AC (Printer Cable) (FTP)	NO	100cm	N/A
C-6	AC (PC Cable) (FTP)	NO	120cm	N/A

Note:

(1) The support equipment was authorized by Declaration of Confirmation.

(2) For detachable type I/O cable should be specified the length in cm in『Length』column.

(3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.

(4) PC is the FCC DOC is approved.

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
EMI Test Receiver	R&S	ESCI	101427	2015.10.25	2016.10.24
Loop Antenna	Daze	ZN30900N	SEL0097	2015.10.27	2016.10.26
Bilog Antenna	TESEQ	CBL6111D	34678	2015.11.25	2016.11.24
Horn Antenna	Schwarzbeck	BBHA 9120D(1201)	9120D-1343	2016.03.06	2017.03.05
PreAmplifier	Agilent	8449B	60538	2015.10.25	2016.10.24
Temperature & Humitidy	Mieo	HH660	N/A	2015.10.28	2016.10.27
Unversal radio communication tester	R&S	CMU200	111764	2015.10.25	2016.10.24
Spectrum Analyzer	Agilent	E4407B	MY50140340	2015.10.25	2016.10.24
Low frequency cable	EM	R01	N/A	N/A	N/A
High frequency cable	SCHWARZBECK	AK9515H	SN-96286/96287	N/A	N/A
Semi-anechoic chamber	Changling	966	N/A	2015.10.25	2016.10.24

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
EMI Test Receiver	R&S	ESPI	102086	2015.11.20	2016.11.19
LISN	R&S	ENV216	101242	2015.10.25	2016.10.24
LISN	EMCO	3810/2NM	000-23625	2015.10.25	2016.10.24
Conduction Cable	EM	C01	N/A	N/A	N/A
Shielding Room	Changling	854	N/A	2015.10.25	2016.10.24

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION Limits

FREQUENCY (MHz)	Conducted Emission Limits (dBuV)			
	Class A		Class B	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2 TEST PROCEDURE

a. The EUT was 0.8 meters from the horizontal ground plane and 0.4 meters from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

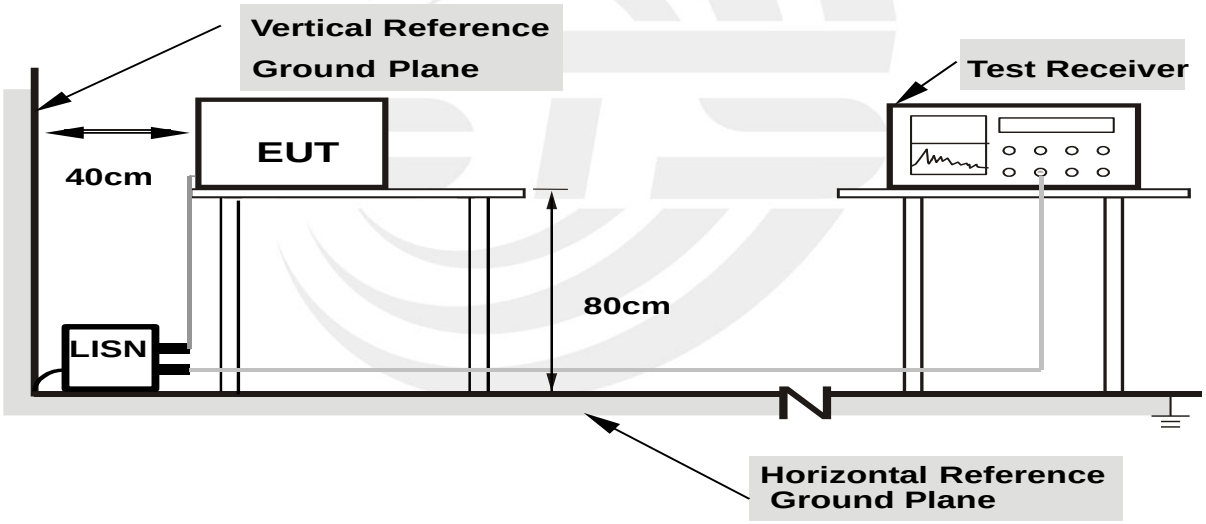
d. LISN at least 80 cm from nearest part of EUT chassis.

e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 EUT OPERATING CONDITIONS

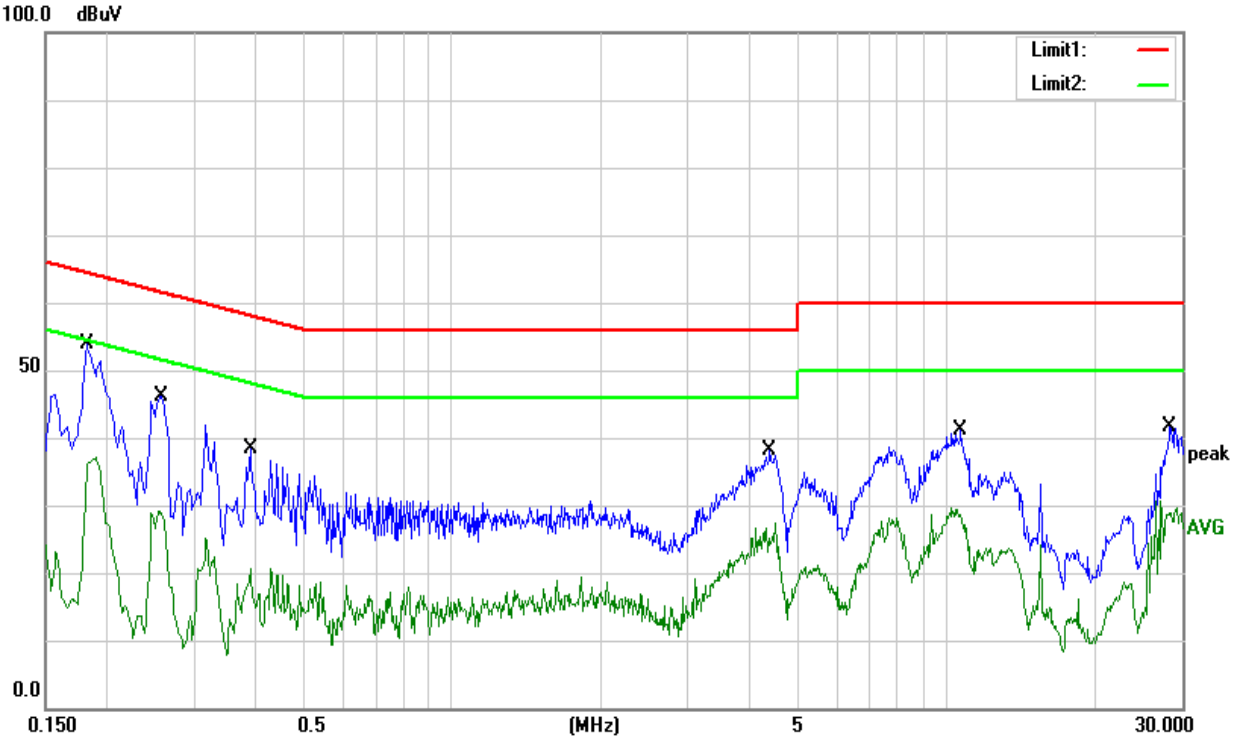
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

3.1.6 TEST RESULTS

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase:	L
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 1

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1820	44.72	9.23	53.95	64.39	-10.44	QP
2	0.1820	26.99	9.23	36.22	54.39	-18.17	AVG
3	0.2580	37.06	9.17	46.23	61.50	-15.27	QP
4	0.2580	19.29	9.17	28.46	51.50	-23.04	AVG
5	0.3900	28.94	9.41	38.35	58.06	-19.71	QP
6	0.3900	9.90	9.41	19.31	48.06	-28.75	AVG
7	4.4020	28.88	9.27	38.15	56.00	-17.85	QP
8	4.4020	15.82	9.27	25.09	46.00	-20.91	AVG
9	10.6980	31.70	9.49	41.19	60.00	-18.81	QP
10	10.6980	19.20	9.49	28.69	50.00	-21.31	AVG
11	28.3180	31.60	9.91	41.51	60.00	-18.49	QP
12	28.3180	18.64	9.91	28.55	50.00	-21.45	AVG

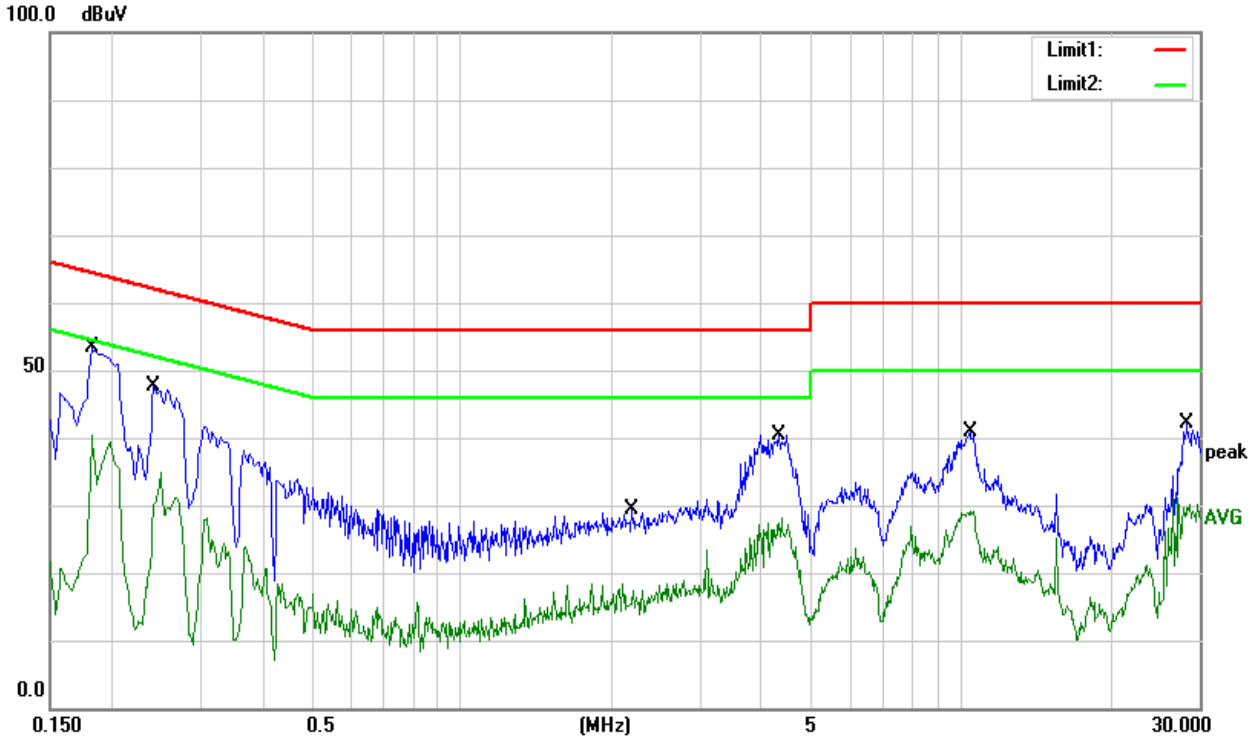
Remark:
1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result =Reading + Factor)–Limit



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase:	N
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 1

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1820	44.16	9.23	53.39	64.39	-11.00	QP
2	0.1820	30.21	9.23	39.44	54.39	-14.95	AVG
3	0.2420	38.52	9.19	47.71	62.03	-14.32	QP
4	0.2420	20.84	9.19	30.03	52.03	-22.00	AVG
5	2.1900	20.16	9.26	29.42	56.00	-26.58	QP
6	2.1900	6.16	9.26	15.42	46.00	-30.58	AVG
7	4.3180	31.21	9.27	40.48	56.00	-15.52	QP
8	4.3180	18.01	9.27	27.28	46.00	-18.72	AVG
9	10.4380	31.42	9.40	40.82	60.00	-19.18	QP
10	10.4380	19.29	9.40	28.69	50.00	-21.31	AVG
11	28.3220	32.20	10.04	42.24	60.00	-17.76	QP
12	28.3220	19.69	10.04	29.73	50.00	-20.27	AVG

Remark:
1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result =Reading + Factor)–Limit



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 Radiated Emission Limits

In case the emission fall within the restricted band specified on 15.105(a)&109(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (dBuV/m) (at 3M)		Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80	60	74	54

Note:

(1) The limit for radiated test was performed according to FCC PART 15B.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak
Start Frequency	1000 MHz(Peak/AV)
Stop Frequency	5th harmonic (Peak/AV)
RB / VB (emission in restricted band)	30MHz to 1000MHz: 100 KHz / 300 KHz Above 1000MHz: 1 MHz / 3 MHz

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	30MHz to 1000MHz: 100 KHz / 300 KHz Above 1000MHz: 1 MHz / 3 MHz

3.2.2 TEST PROCEDURE

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz and above 1GHz.

b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. the height of the antenna shall vary between 1m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.

f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

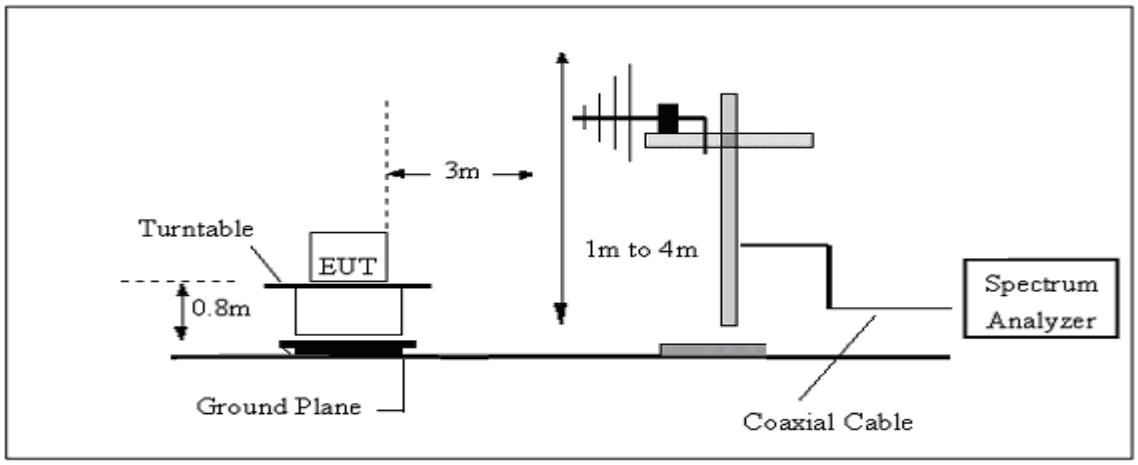
Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

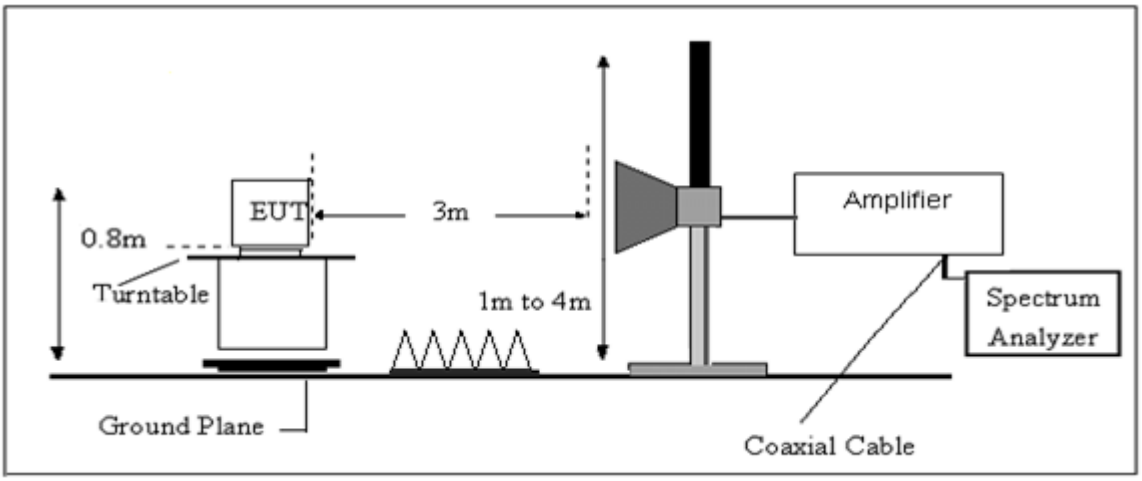
No deviation

3.2.4 TEST SETUP

（A）Radiated Emission Test-Up Frequency 30MHz~1GHz



（B）Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

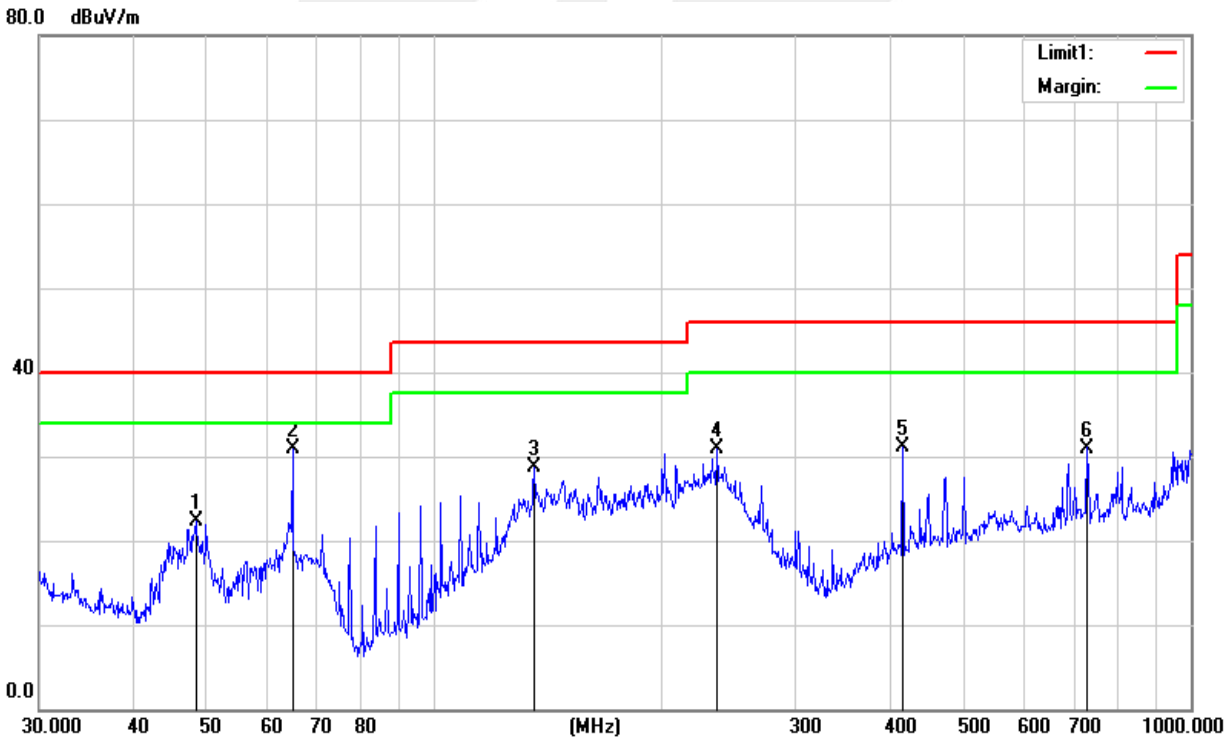
3.2.6 TEST RESULTS

30MHz -1000MHz

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase:	Horizontal
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 1

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	48.3318	42.83	-20.62	22.21	40.00	-17.79	QP
2	64.8865	55.13	-24.22	30.91	40.00	-9.09	QP
3	135.5062	46.25	-17.52	28.73	43.50	-14.77	QP
4	236.6447	48.95	-17.99	30.96	46.00	-15.04	QP
5	416.1791	42.14	-10.97	31.17	46.00	-14.83	QP
6	729.3583	35.11	-4.11	31.00	46.00	-15.00	QP

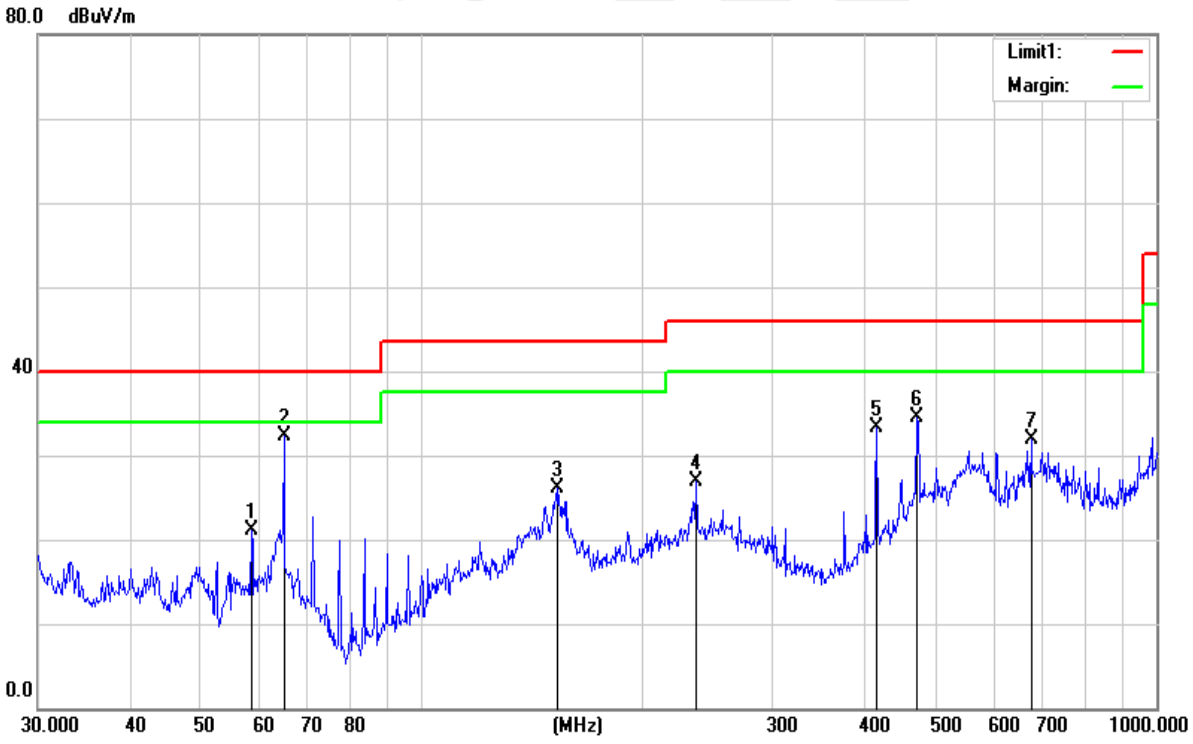
Remark:
1. Margin = Result (Result =Reading + Factor)–Limit



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase:	Vertical
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 1

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	58.6126	45.09	-23.94	21.15	40.00	-18.85	QP
2	64.8865	56.57	-24.22	32.35	40.00	-7.65	QP
3	153.2004	44.18	-18.14	26.04	43.50	-17.46	QP
4	236.6447	44.98	-17.99	26.99	46.00	-19.01	QP
5	416.1791	44.27	-10.97	33.30	46.00	-12.70	QP
6	472.1760	44.15	-9.69	34.46	46.00	-11.54	QP

Remark:
1. Margin = Result (Result =Reading + Factor)–Limit



(1 GHz to 13GHz.)

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase:	Vertical/Horizontal
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 1

PK

Freq.	Ant. Pol	Peak	Amplifier	Loss	Antenna Factor	Orrected Factor	Actual Fs	Peak	Peak
(MHz)	H/V	Reading (dBuV)	（dB）	（dB）	（dB/m）	（dB）	Peak (dBuV/m)	Limit (dBuV/m)	margin (dBuV/m)
2065.3	H	57.74	43.8	5.4	25.9	-12.5	45.24	74	-28.76
2504.5	H	52.67	44.4	6.0	27.6	-10.8	41.87	74	-32.13
3029.6	H	63.97	44.7	6.7	28.2	-9.8	54.17	74	-19.83
3532.6	H	52.98	44.4	7.1	28.5	-8.8	44.18	74	-29.82
N/A									
2065.3	V	52.43	43.8	5.4	25.9	-12.5	39.93	74	-34.07
2504.5	V	49.65	44.4	6.0	27.6	-10.8	38.85	74	-35.15
3029.6	V	63.35	44.7	6.7	28.2	-9.8	53.55	74	-20.45
3532.6	V	49.42	44.4	7.1	28.5	-8.8	40.62	74	-33.38
N/A									

AV

Freq.	Ant. Pol	AV	Amplifier	Loss	Antenna Factor	Orrected Factor		AV	AV
(MHz)	H/V	Reading (dBuV)	（dB）	（dB）	（dB/m）	（dB）	AV (dBuV/m)	Limit (dBuV/m)	margin (dBuV/m)
2065.3	H	41.43	43.8	5.4	25.9	-12.5	28.93	74	-45.07
2504.5	H	38.53	44.4	6.0	27.6	-10.8	27.73	54	-26.27
3029.6	H	42.87	44.7	6.7	28.2	-9.8	33.07	54	-20.93
3532.6	H	38.76	44.4	7.1	28.5	-8.8	29.96	54	-24.04
N/A									
2065.3	V	37.68	43.8	5.4	25.9	-12.5	25.18	74	-48.82
2504.5	V	33.54	44.4	6.0	27.6	-10.8	22.74	54	-31.26
3029.6	V	55.98	44.7	6.7	28.2	-9.8	46.18	54	-7.82
3532.6	V	34.09	44.4	7.1	28.5	-8.8	25.29	54	-28.71
N/A									

Notes:

1. Measuring frequencies from 1 GHz to 13GHz.

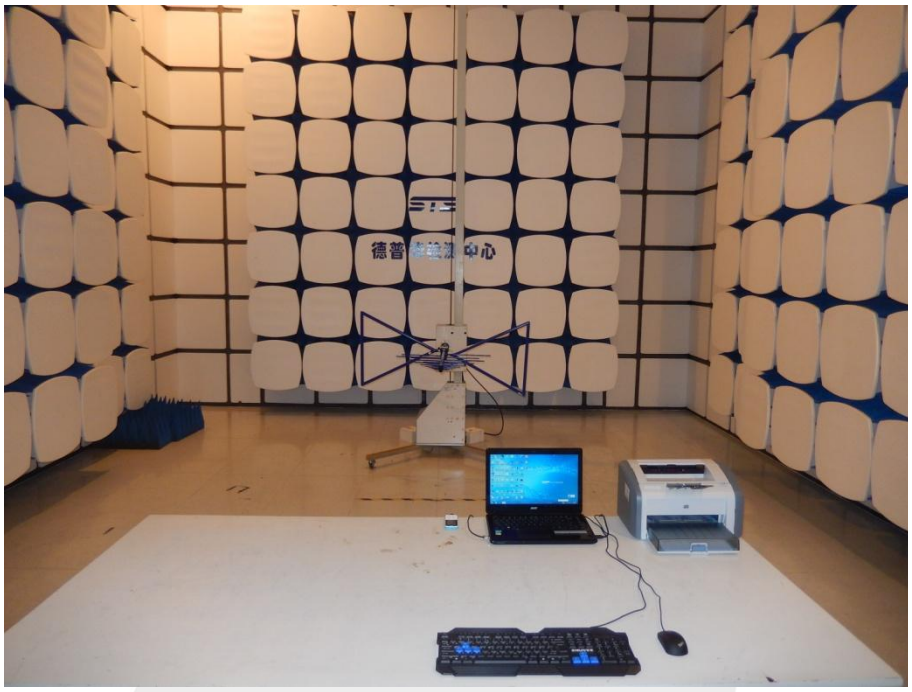
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode of the emission shown in Actual FS column.

3. The frequency that above 3GHz is mainly from the environment noise.

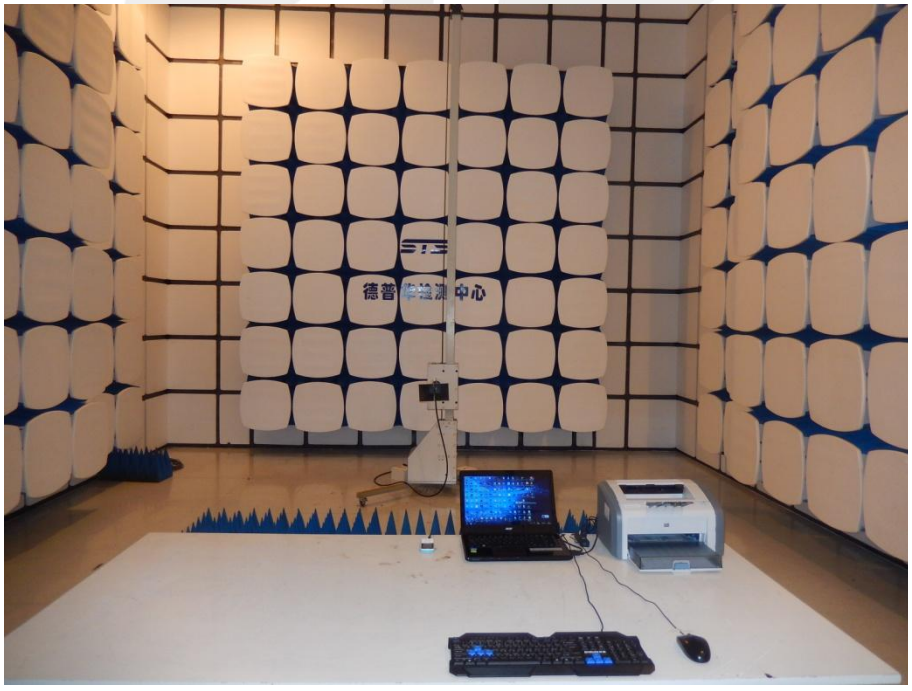
4. PHOTOS OF TEST SETUP

Radiated Measurement Photos

30MHz- 1GHz



Above 1GHz



Conducted Measurement Photos

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