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Report No.: GTI20160522F

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FCC TEST REPORT

Product name.....: Remote Control

Trademark: /

Model/Type reference: BRC0712106

Listed Model(s): /

FCC ID.....: 2AB9RBRC0712106

Test Standards: 47 CFR FCC Part 15 Subpart C - Intentional Radiators
ANSI C63.10: 2013

Applicant: Suzhou Bescon Electronics Co.,Ltd

Address of applicant: Building 2405,Qingjianghu Science & Technology Park,No.58
Weixin Road, Suzhou, Jiangsu, 215122, China

Date of Receipt: May 25, 2016

Date of Test Date.....: May 27, 2016

Data of issue.: May 28, 2016

Test result	Pass *
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* In the configuration tested, the EUT complied with the standards specified above

GENERAL DESCRIPTION OF EUT	
Equipment:	Remote Control
Model Name:	BRC0712106
Manufacturer:	Suzhou Bescon Electronics Co.,Ltd
Manufacturer Address:	Building 2405,Qingjianghu Science & Technology Park,No.58 Weixin Road, Suzhou, Jiangsu, 215122, China
Operating Frequency:	2402MHz -2480MHz
Type of Modulation:	GFSK
Antenna Gain	2.8dBi
Power Rating:	DC 3V from Battery

Compiled By: Thomas Morgan
(Thomas Morgan)

Reviewed By: Tony Wang
(Tony Wang)

Approved By: Walter Chen
(Walter Chen)

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**** Modified History ****

Revision	Description	Issued Data	Report No.	Remark
Version 1.0	Initial Test Report Release	May. 27, 2016	GTI20160469F	Tony Wang

This is a CIIPC application of the device, the differences between the original device and the current one are as follows:

1. Change the placement of the key on the PCB, so there is minor change of the circuit layout. Radiation Emission(30MHz~1000MHz) is performed for the CIIPC change.



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1. SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

[47 CFR FCC Part 15 Subpart C](#) - Intentional Radiators

[ANSI C63.10-2013](#): American National Standard for Testing Unlicensed Wireless Devices

1.2 Test Description

Emission Measurement requirements		
Radiated Emission	Part15.209	PASS

Remark: The measurement uncertainty is not included in the test result.

1.3 Test Facility

1.3.1 Address of the test laboratory

Shenzhen General Testing & Inspection Technology Co., Ltd.

Add: 1F, 2 Block, Jiaquan Building, Guanlan High-tech Park Baoan District, Shenzhen, Guangdong, China.

1.3.2 Laboratory accreditation

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

IC Registration No.: 9783A

The 3m alternate test site of Shenzhen GTI Technology Co., Ltd. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Aug, 2011.

FCC-Registration No.: 214666

Shenzhen GTI Technology Co., Ltd. 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 214666, Sep 19, 2011

1.4 Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements and is documented in the Shenzhen General Testing & Inspection Technology Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.



Hereafter the best measurement capability for General Testing & Inspection laboratory is reported:

A.. Radiated Measurement:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	4.7 dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=1.96$.

2. GENERAL INFORMATION

2.1 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101KPa

2.2 Description of Test Modes

Mode 1:

The EUT has been tested under typical operating condition. The user can control the EUT for staying in continuous transmitting & receiving mode for testing.

2.3 Description of Peripheral during Testing

No.	Product	Manufacturer	Serial No.	Certification
1	PC	Lenovo	H435	DOC
2	PC Power Supply	Bestec	ATX-250-12Z	DOC
3	Display	DELL	U2412M	DOC
4	Printer	HP	PJ1008	DOC
5	USB Flash	TRANSCEND	TS2GJFV30	DOC
6	Mouse	DELL	N889	DOC
7	Keyboard	DELL	SK-8185	DOC

2.4 Measurement Instruments List

Radiated Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100967	Jan 04,2017
2	Log-Bicon Antenna	Schwarzbeck	CBL6141A	4180	Jan 04,2017
3	Pre-Amplifier	HP	8447D	1937A03050	Jan 04,2017
4	Antenna Mast	UC	UC3000	N/A	N/A
5	Turn Table	UC	UC3000	N/A	N/A
6	Cable Below 1GHz	Schwarzbeck	AK9515E	33155	Jan 04,2017

Note: 1. The Cal. Interval was one year.

3. EMC EMISSION TEST

3.1 Radiated Emission(30-1000MHz)

LIMITS

LIMITS OF RADIATED EMISSION MEASUREMENT (Below 1000MHz)

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)
	dBuV/m	dBuV/m
30 ~ 88	39.0	40.0
88 ~ 216	43.5	43.5
216 ~ 960	46.5	46.0
Above 960	49.5	54.0

Notes:

- 1) The limit for radiated test was performed according to as following:
CISPR 22/ FCC PART 15B /ICES-003.
- 2) The tighter limit applies at the band edges.
- 3) Emission level (dBuV/m)=20log Emission level (uV/m).

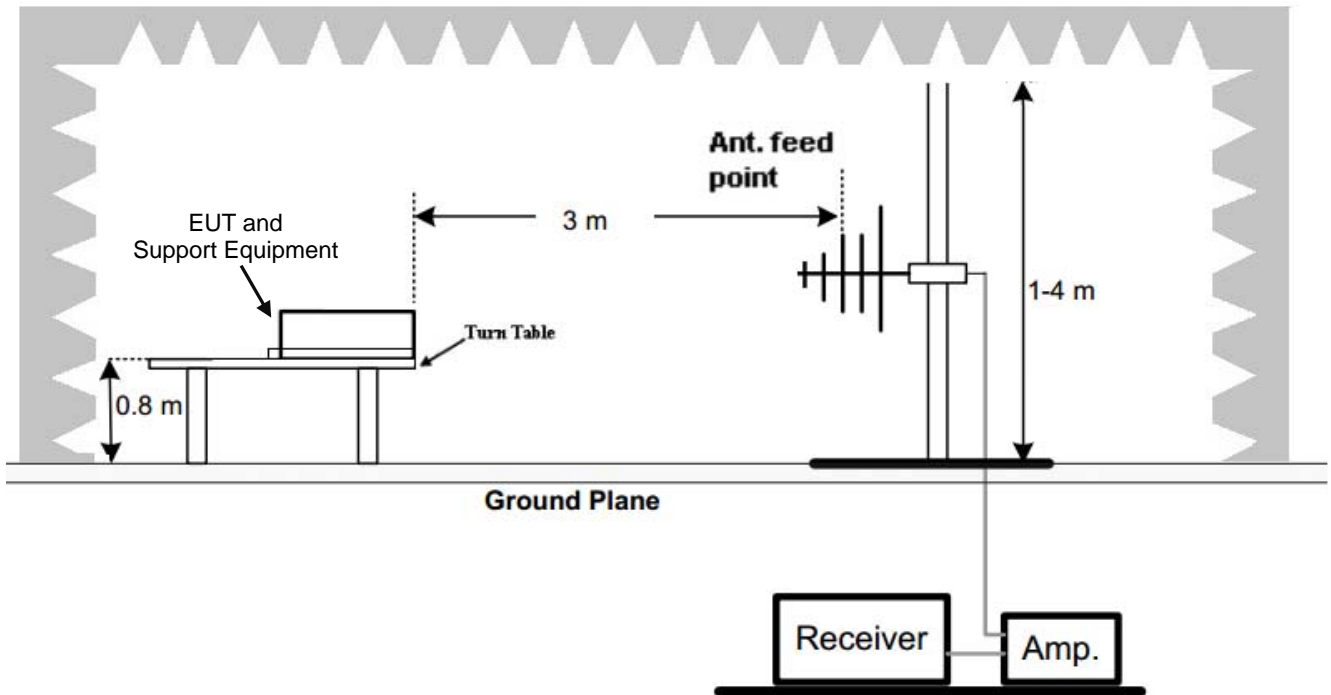
TEST PROCEDURE

- a) The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b) The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c) The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m 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, above 1G Average detector mode will be instead.
- e) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP (AV) Limits and then no additional QP Mode measurement performed.

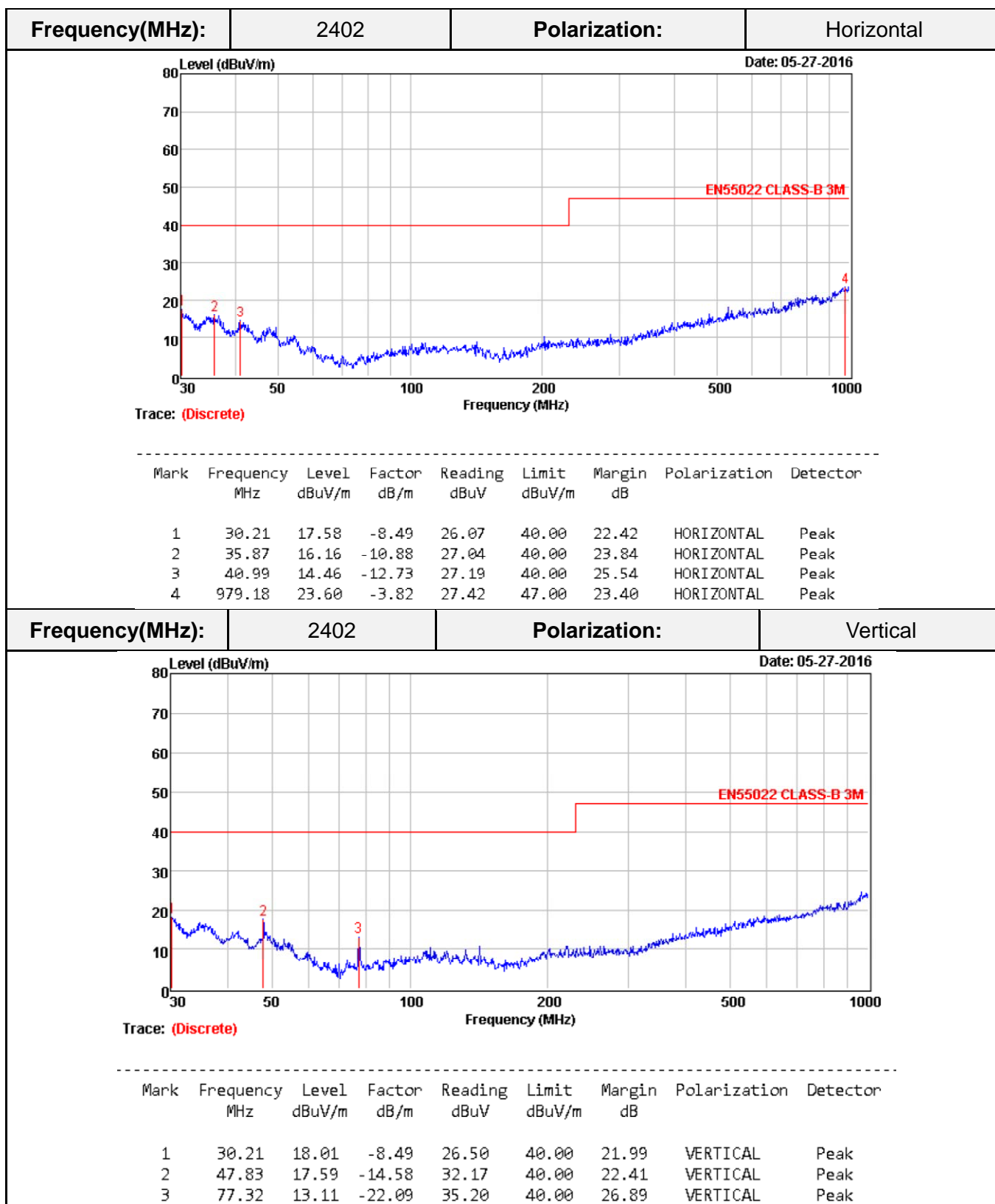
TEST SETUP

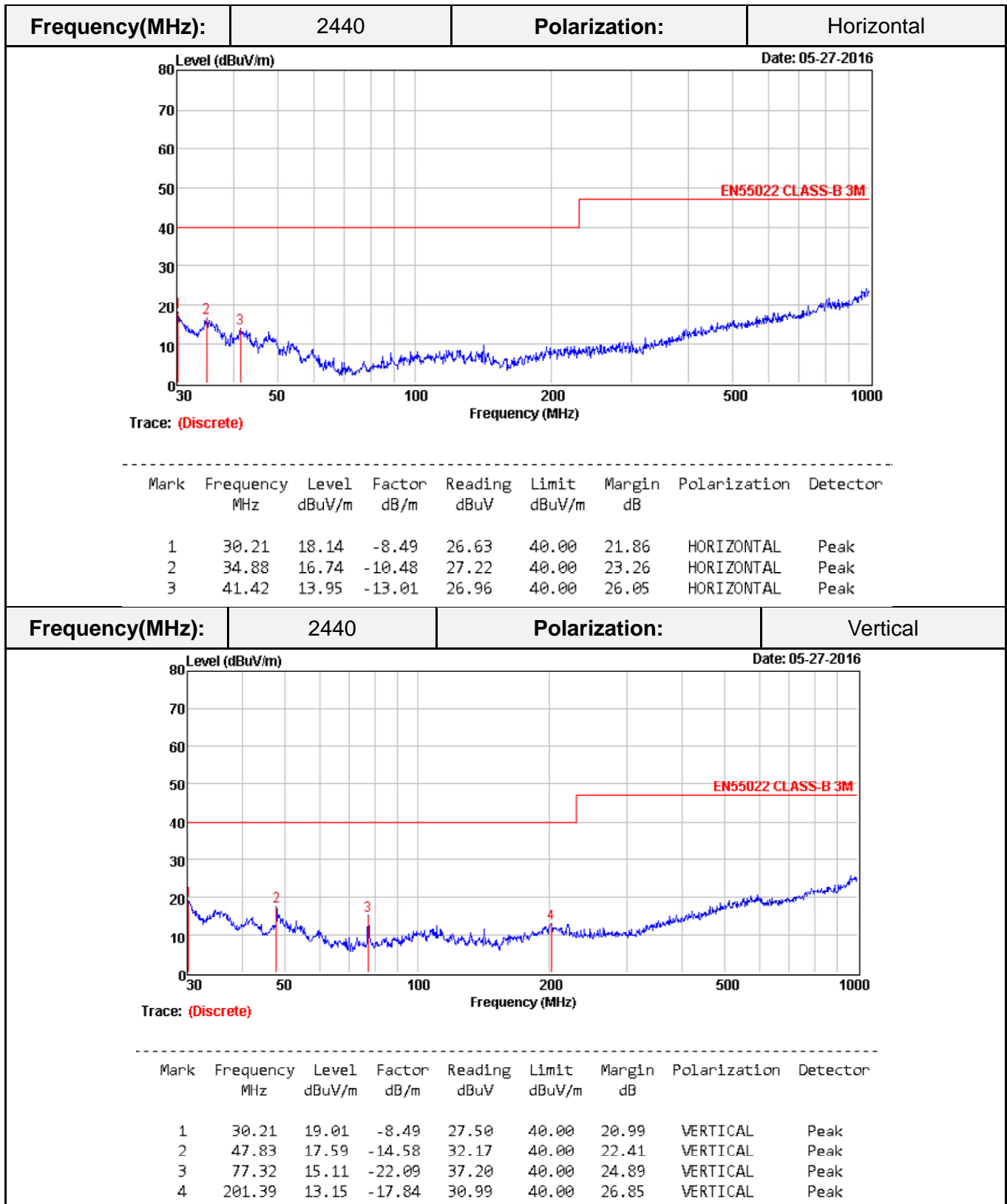
For the actual test configuration, please refer to the related Item –EUT Test Photos.

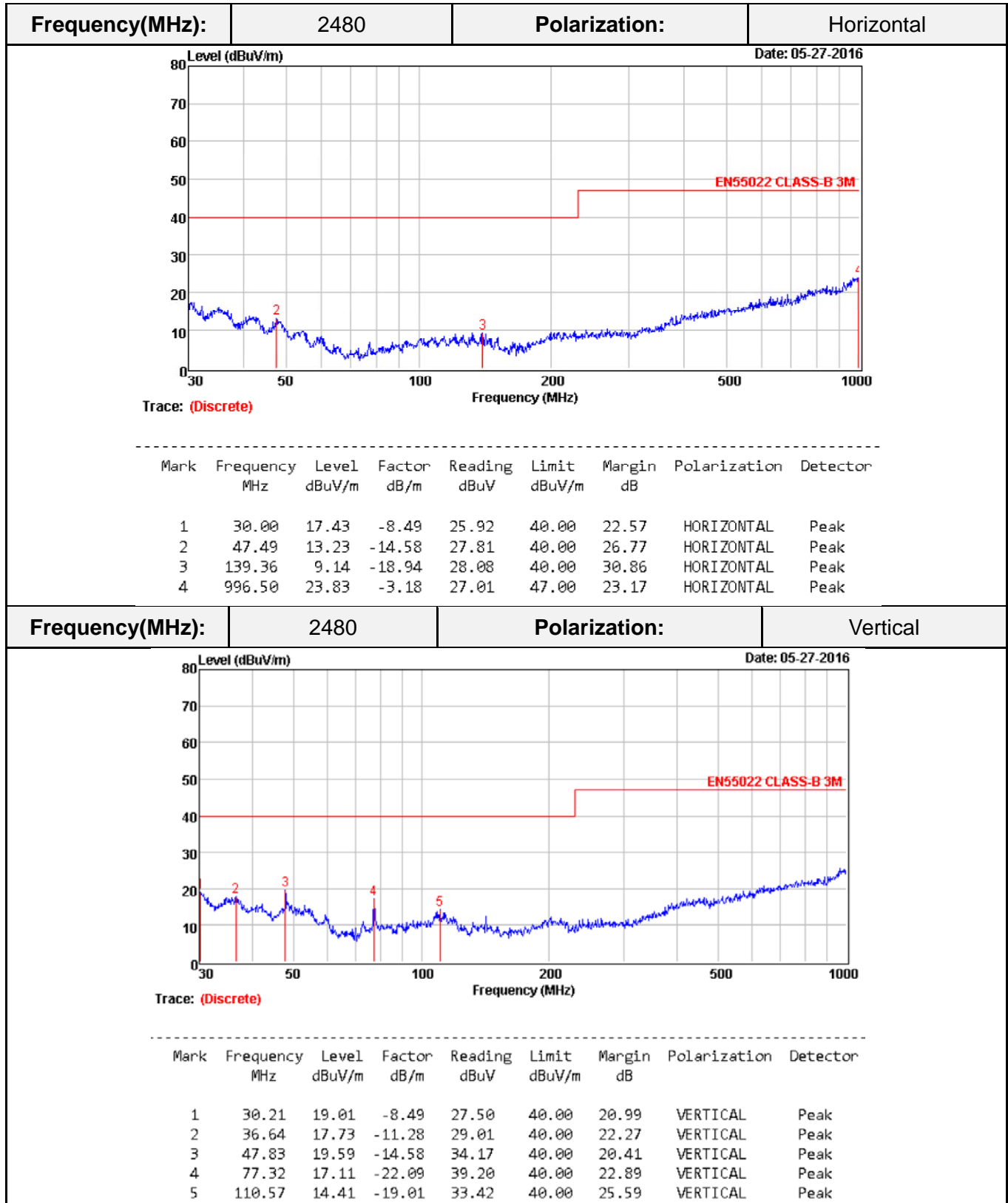
Radiated Emission Test Set-Up Frequency below 1 GHz



TEST RESULTS

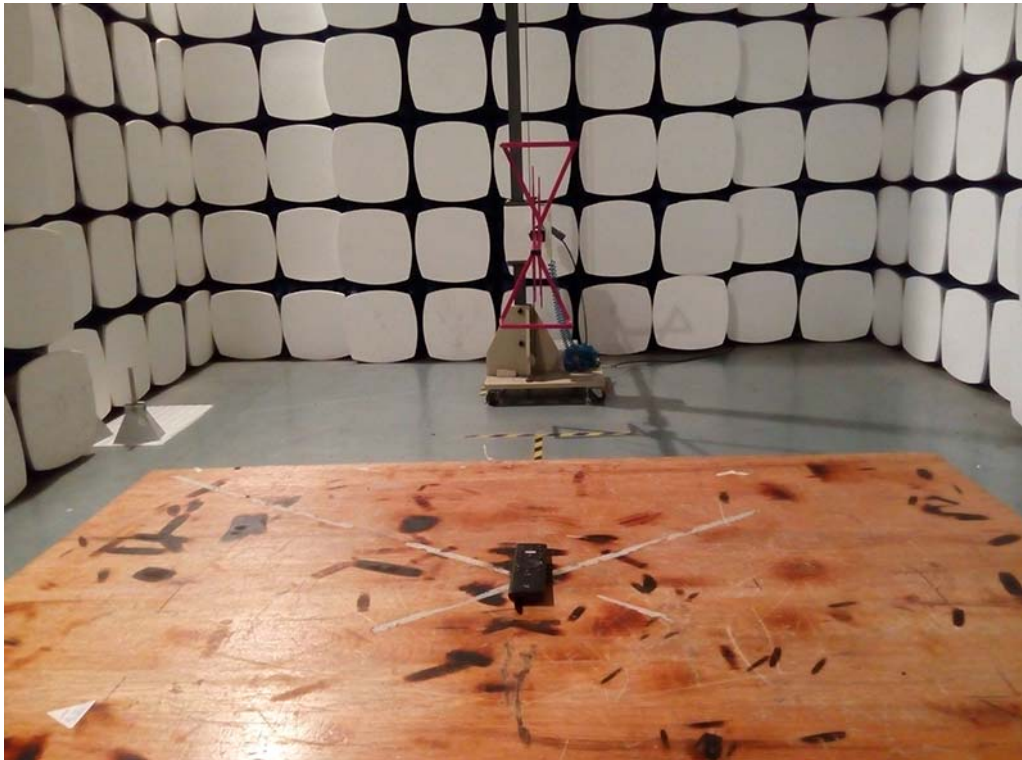






4 EUT TEST PHOTO

Radiated Emission below 1GHz



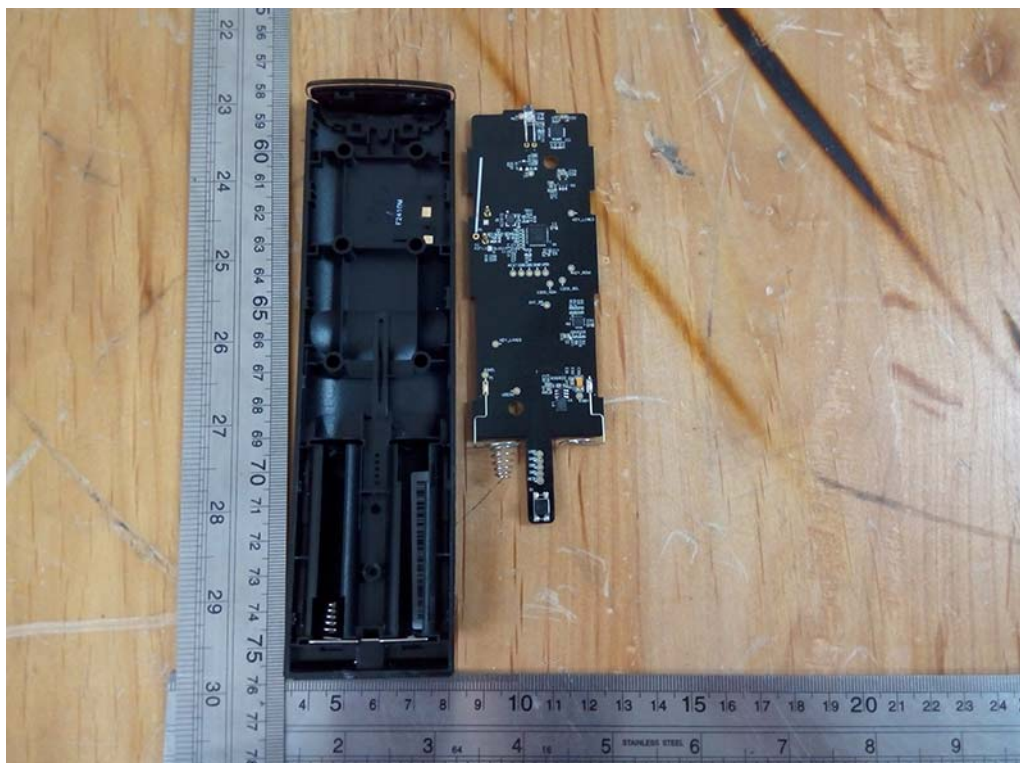
5 PHOTOGRAPHS OF EUT CONSTRUCTIONAL

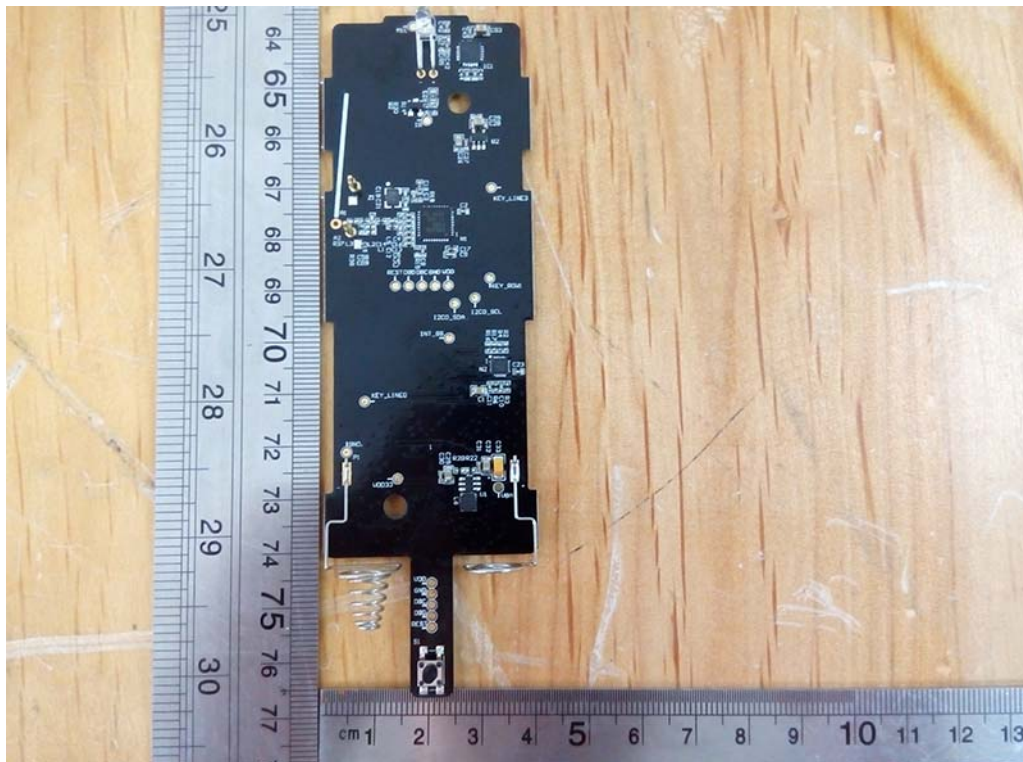
External Photos of EUT







Internal Photos of EUT



*****THE END*****