



RF TEST REPORT

Applicant GREENCHIPS (HONGKONG) LIMITED
FCC ID 2AK4U-GC4BT-X81
Product BLE Module
Brand GC
Model GC4BT-X81
Report No. RXA1701-0005RF03
Issue Date March 2, 2017

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15C (2016)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Handwritten signature of Xianqing Li in black ink.

Performed by: Xianqing Li

Handwritten signature of Kai Xu in black ink.

Approved by: Kai Xu

TA Technology (Shanghai) Co., Ltd.

No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China

TEL: +86-021-50791141/2/3

FAX: +86-021-50791141/2/3-8000

TABLE OF CONTENT

1. Test Laboratory	4
1.1. Notes of the test report.....	4
1.2. Test facility	4
1.3. Testing Location	5
2. General Description of Equipment under Test.....	6
3. Applied Standards	7
4. Test Configuration	8
5. Test Case Results	9
5.1. Band Edge	9
5.2. Radiates Emission	11
6. Main Test Instruments	26
ANNEX A: EUT Appearance and Test Setup	27
A.1 EUT Appearance	27
A.2 Test Setup	31



Summary of measurement results

Number	Summary of measurements of results	Clause in FCC rules	Verdict
1	Band Edge	15.247(d)	PASS
2	Radiated Emissions	15.247(d), 15.205, 15.209	PASS
Date of Testing: March 2, 2017			



1. Test Laboratory

1.1. Notes of the test report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above. This report must not be used by the client to claim product certification, approval, or endorsement by CNAS or any government agencies.

1.2. Test facility

CNAS (accreditation number: L2264)

TA Technology (Shanghai) Co., Ltd. has obtained the accreditation of China National Accreditation Service for Conformity Assessment (CNAS).

FCC (recognition number is 428261)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

IC (recognition number is 8510A)

TA Technology (Shanghai) Co., Ltd. has been listed by industry Canada to perform electromagnetic emission measurement.

VCCI (recognition number is C-4595, T-2154, R-4113, G-766)

TA Technology (Shanghai) Co., Ltd. has been listed by industry Japan to perform electromagnetic emission measurement.

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.



1.3. Testing Location

Company: TA Technology (Shanghai) Co., Ltd.
Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong
City: Shanghai
Post code: 201201
Country: P. R. China
Contact: Xu Kai
Telephone: +86-021-50791141/2/3
Fax: +86-021-50791141/2/3-8000
Website: <http://www.ta-shanghai.com>
E-mail: xukai@ta-shanghai.com

2. General Description of Equipment under Test

Client Information

Applicant	GREENCHIPS (HONGKONG) LIMITED
Applicant address	Room 1401,Tower A,Jingang mansion,251 Heyan Road, Nanjing, China
Manufacturer	GREENCHIPS (HONGKONG) LIMITED
Manufacturer address	Room 1401,Tower A,Jingang mansion,251 Heyan Road, Nanjing, China

General information

EUT Description	
Model:	GC4BT-X81
SN:	/
Hardware Version:	V1.0
Software Version:	V1.0
Power Supply:	external power supply
Antenna Type:	Integrated antenna on PCB
Antenna Connector:	A permanently attached antenna (meet with the standard FCC Part 15.203 requirement)
Antenna Gain:	Antenna: 0 dBi
Test Mode:	Bluetooth(Low Energy)
Modulation Type:	BLE :GFSK
Operating Frequency Range(s)	BLE: 2402 ~2480 MHz
HOST Description	
Product name:	Wrist electronic blood pressure monitor
Manufacturer:	JIANGSU YUYUE MEDICAL EQUIPMENT & SUPPLYCO., LTD
Note: The information of the EUT is declared by the manufacturer. Please refer to the specifications or user manual for details.	

3. Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards

- **FCC CFR47 Part 15C (2016) Radio Frequency Devices**
- **ANSI C63.10 (2013)**
- **KDB 558074 D01 DTS Meas Guidance v03r05**

4. Test Configuration

Test Mode

The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

5. Test Case Results

5.1. Band Edge

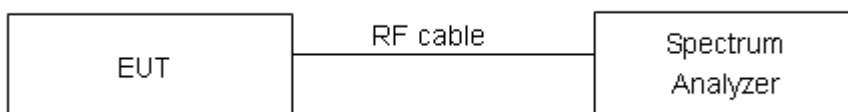
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable the band edge of the lowest and highest channels were measured. The peak detector is used and RBW is set to 100 kHz and VBW is set to 300 kHz on spectrum analyzer. Spectrum analyzer plots are included on the following pages.

Test Setup



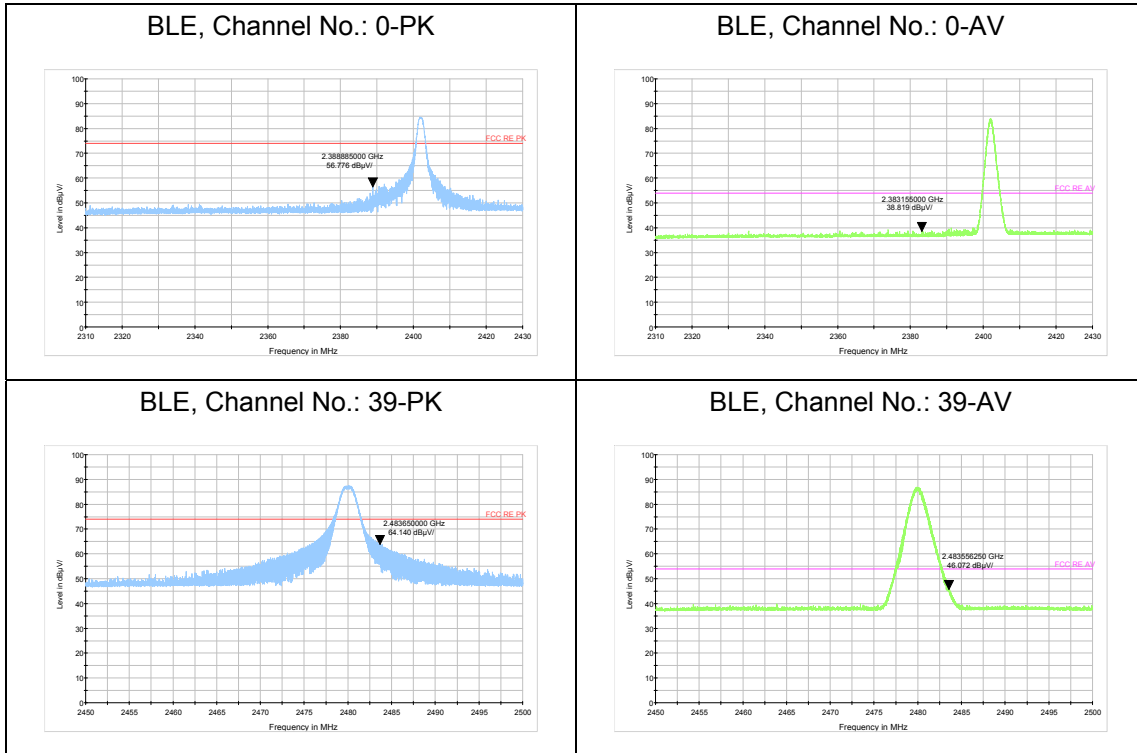
Limits

Rule Part 15.247(d) specifies that “In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.”

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

Frequency	Uncertainty
2GHz-3GHz	1.407 dB

**Test Results: PASS**

5.2. Radiates Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	102.5kPa

Method of Measurement

The test set-up was made in accordance to the general provisions of ANSI C63.10-2013. The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration.

Sweep the whole frequency band through the range from 9 kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

During the test, below 30MHz, the center of the loop shall be 1 meters; above 30MHz, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.

Set the spectrum analyzer in the following:

Below 1GHz (detector: Peak and Quasi-Peak)

RBW=100 kHz / VBW=300 kHz / Sweep=AUTO

Above 1GHz (detector: Peak):

(a) PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO

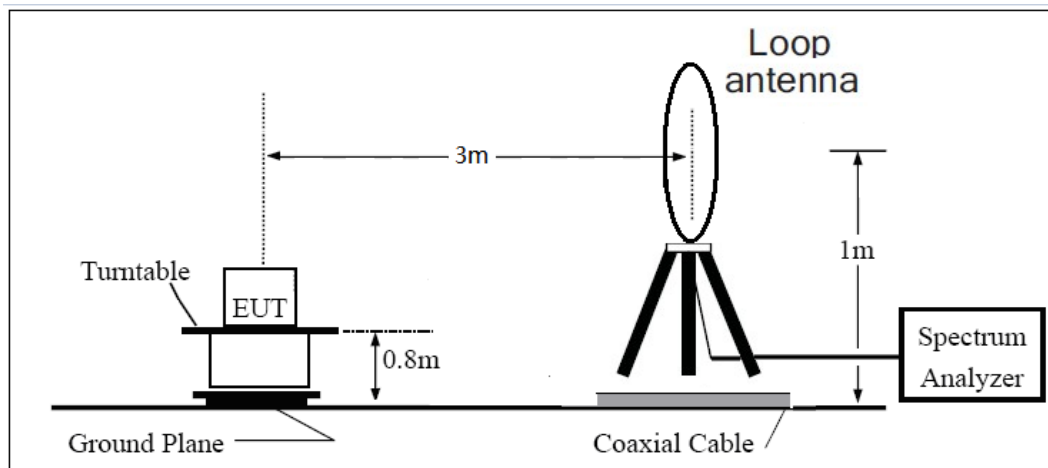
(b) AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

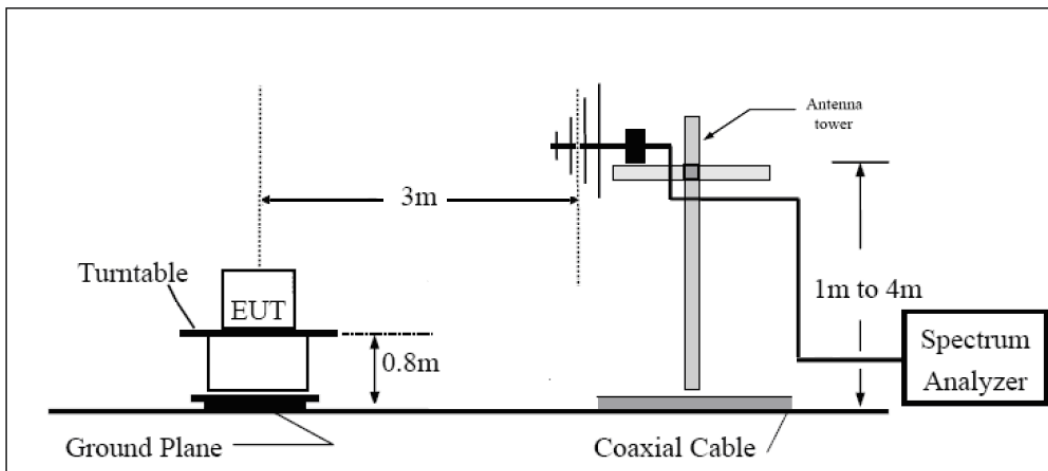
The test is in transmitting mode.

Test setup

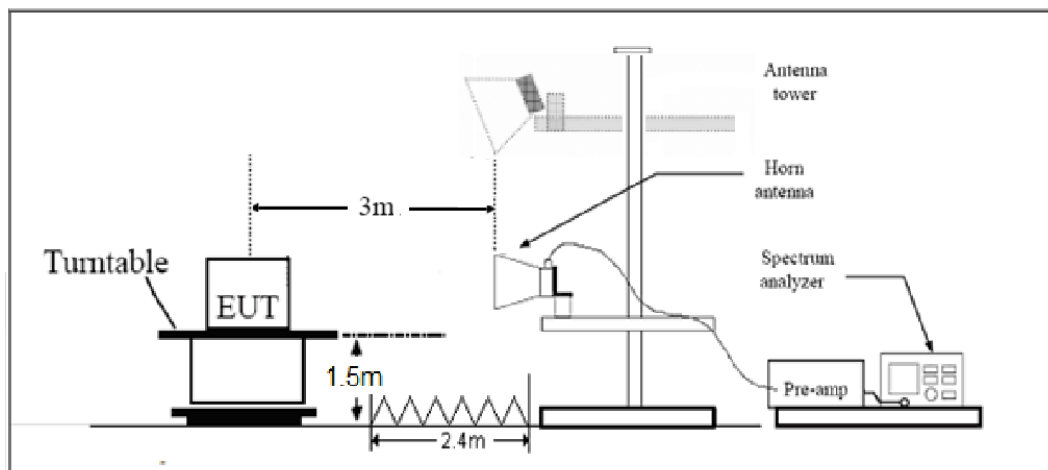
9KHz ~ 30MHz



30MHz ~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

Limits

Rule Part 15.247(d) specifies that “In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).”

Limit in restricted band

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
0.009–0.490	2400/F(kHz)	/
0.490–1.705	24000/F(kHz)	/
1.705–30.0	30	/
30-88	100	40
88-216	150	43.5
216-960	200	46
Above960	500	54

§15.35(b)

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.19 dB
200MHz-1GHz	3.63 dB
Above 1GHz	3.68 dB

Test result

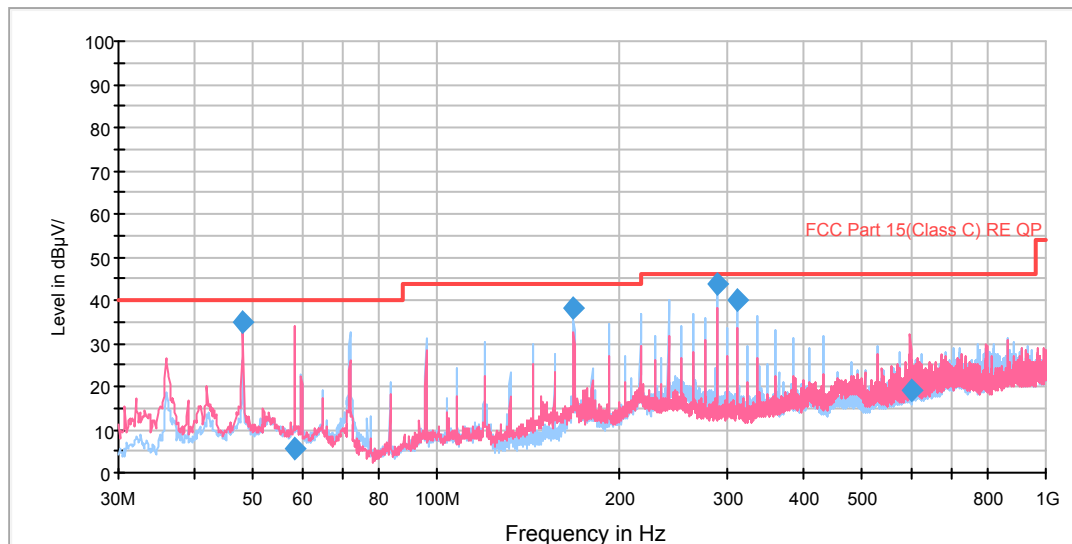
Sweep from 9 kHz to 30MHz, and the emissions more than 20 dB below the permissible value are not reported.

The following graphs display the maximum values of horizontal and vertical by software.

For above 1GHz, Blue trace uses the peak detection, Green trace uses the average detection.

BLE-Channel 0

RE 30M-1GHz QP



Note: The signal beyond the limit is carrier.

Radiated Emission 30M-1GHz

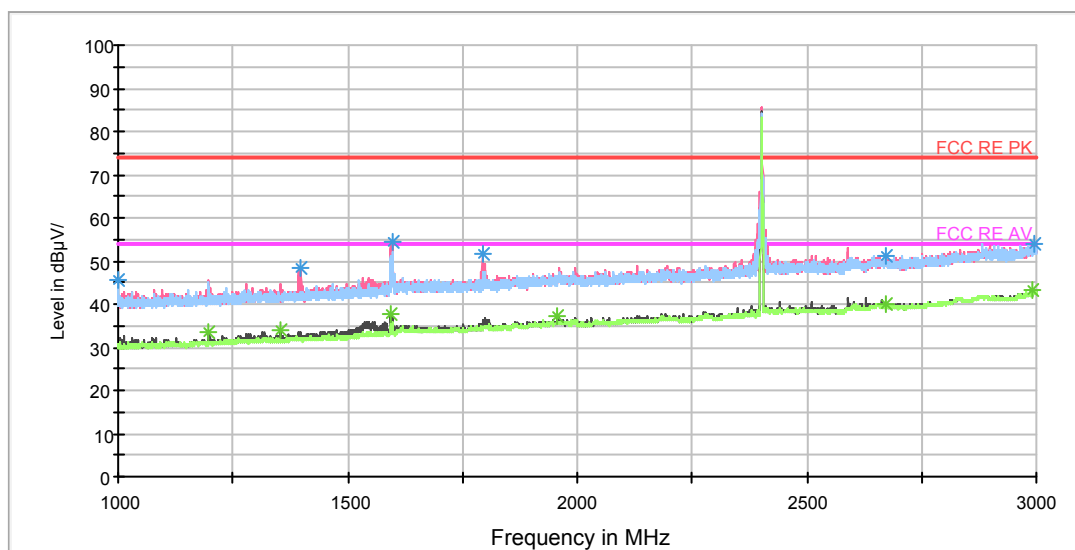
Frequency (MHz)	Quasi-Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
47.985138	34.8	55.0	105.0	V	67.0	-20.2	5.2	40.0
58.506569	5.4	28.2	121.0	V	157.0	-22.8	34.6	40.0
168.002544	38.0	66.3	130.0	H	55.0	-28.3	5.5	43.5
288.020000	43.8	67.2	121.0	H	144.0	-23.4	2.2	46.0
312.007500	39.9	63.0	101.0	H	304.0	-23.1	6.1	46.0
599.974250	18.9	35.8	101.0	V	356.0	-16.9	27.1	46.0

Remark: 1. Quasi-Peak = Reading value + Correction factor

2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV

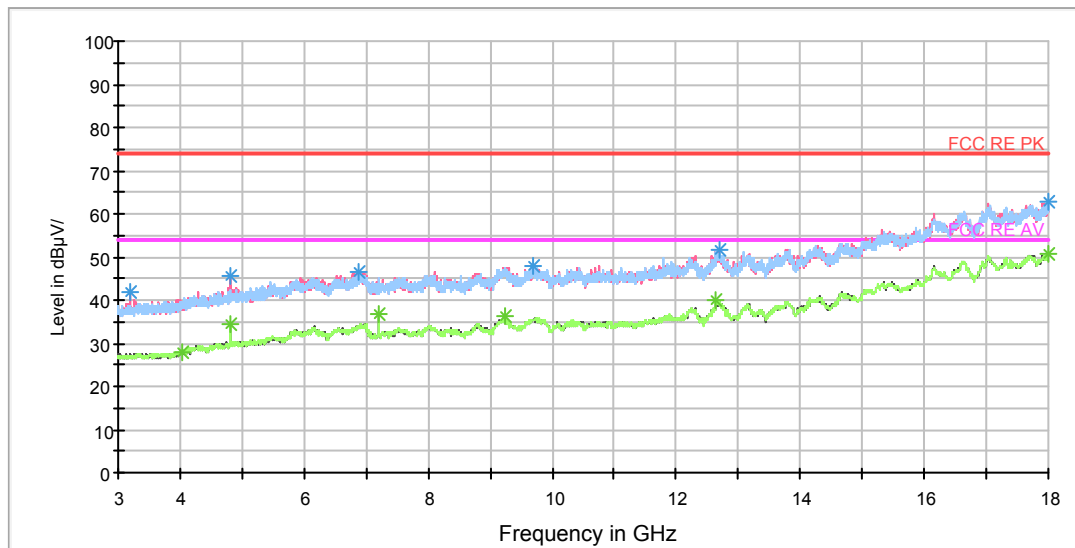


Radiated Emission 1G-3GHz

Frequency (MHz)	Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1000.250000	45.7	54.9	102.0	H	178.0	-9.2	28.3	74
1398.250000	48.2	55.3	102.0	V	324.0	-7.1	25.8	74
1597.250000	54.2	60.6	102.0	V	351.0	-6.4	19.8	74
1792.750000	51.4	55.7	102.0	V	272.0	-4.3	22.6	74
2671.750000	51.4	51.1	102.0	V	282.0	0.3	22.6	74
2995.750000	54.1	51.8	102.0	V	359.0	2.3	19.9	74

Frequency (MHz)	Average (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1198.500000	33.4	41.6	102.0	V	0.0	-8.2	20.6	54
1353.500000	33.7	41.2	102.0	V	111.0	-7.5	20.3	54
1593.250000	37.9	44.3	102.0	V	351.0	-6.4	16.1	54
1956.500000	37.0	40.4	102.0	V	191.0	-3.4	17.0	54
2673.500000	39.9	39.7	102.0	V	282.0	0.2	14.1	54
2990.000000	43.3	41.1	102.0	H	0.0	2.2	10.7	54

RE 3-18GHz PK+AV_BELL SWEEP

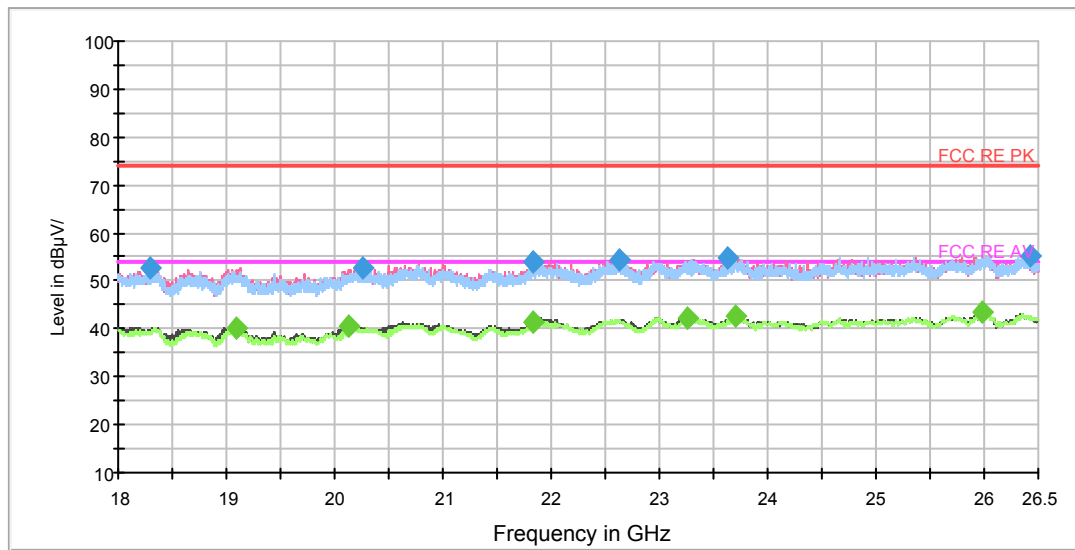


Radiated Emission 3G-18GHz

Frequency (MHz)	Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3193.125000	42.0	44.9	105.0	V	345.0	-2.9	32.0	74
4803.750000	45.5	44.2	105.0	V	0.0	1.3	28.5	74
6868.125000	46.5	40.6	105.0	V	0.0	5.9	27.5	74
9680.625000	47.8	38.3	105.0	H	0.0	9.5	26.2	74
12682.500000	51.7	37.5	105.0	V	0.0	14.2	22.3	74
17992.500000	62.6	37.3	105.0	H	177.0	25.3	11.4	74

Frequency (MHz)	Average (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4042.500000	28.1	29.1	105.0	V	323.0	-1.0	25.9	54
4803.750000	34.5	33.2	105.0	V	0.0	1.3	19.5	54
7205.625000	37.0	30.6	105.0	V	0.0	6.4	17.0	54
9236.250000	36.1	26.2	105.0	V	91.0	9.9	17.9	54
12641.250000	40.1	25.6	105.0	V	44.0	14.5	13.9	54
18000.000000	50.7	25.2	105.0	V	206.0	25.5	3.3	54

RE 18-26.5GHz PK+AV



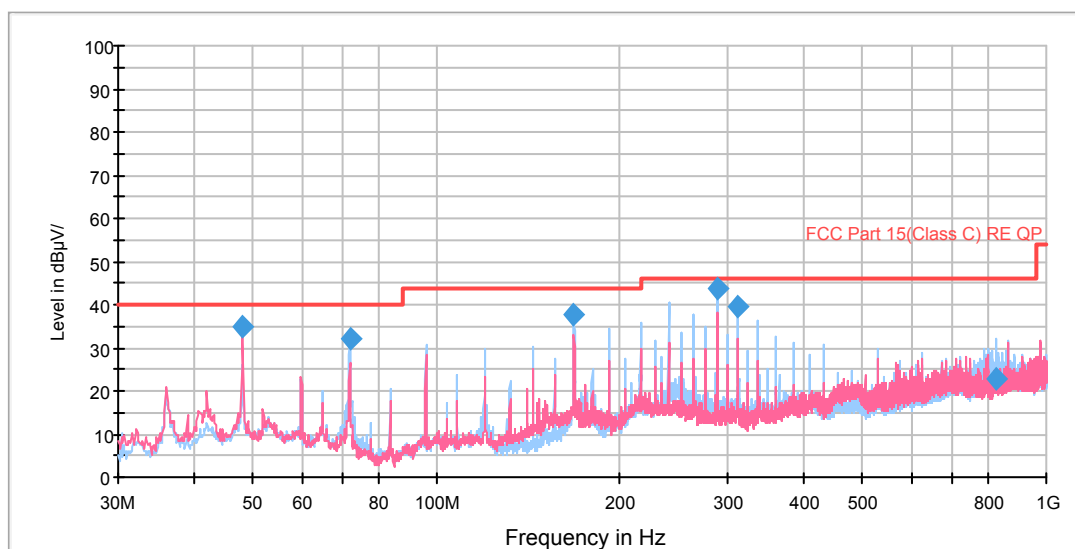
Radiated Emission 18G-26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18294.312500	52.7	55.7	101.0	V	343.0	-3.0	21.3	74
20253.562500	52.6	58.5	101.0	H	84.0	-5.9	21.4	74
21832.437500	53.8	61.8	101.0	H	0.0	-8.0	20.2	74
22634.625000	54.4	61.1	101.0	H	84.0	-6.7	19.6	74
23629.125000	54.7	60.6	101.0	V	138.0	-5.9	19.3	74
26417.125000	55.3	60.7	101.0	V	0.0	-5.4	18.7	74

Frequency (MHz)	Average (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
19083.750000	40.3	45.5	101.0	V	234.0	-5.2	13.7	54
20134.562500	40.6	46.4	101.0	V	356.0	-5.8	13.4	54
21836.687500	41.3	49.3	101.0	V	329.0	-8.0	12.7	54
23250.875000	42.2	48.2	101.0	V	69.0	-6.0	11.8	54
23700.312500	42.6	48.5	101.0	V	179.0	-5.9	11.4	54
25977.250000	43.3	48.7	101.0	H	84.0	-5.4	10.7	54

BLE-Channel 19

RE 30M-1GHz QP



Radiated Emission 30M-1GHz

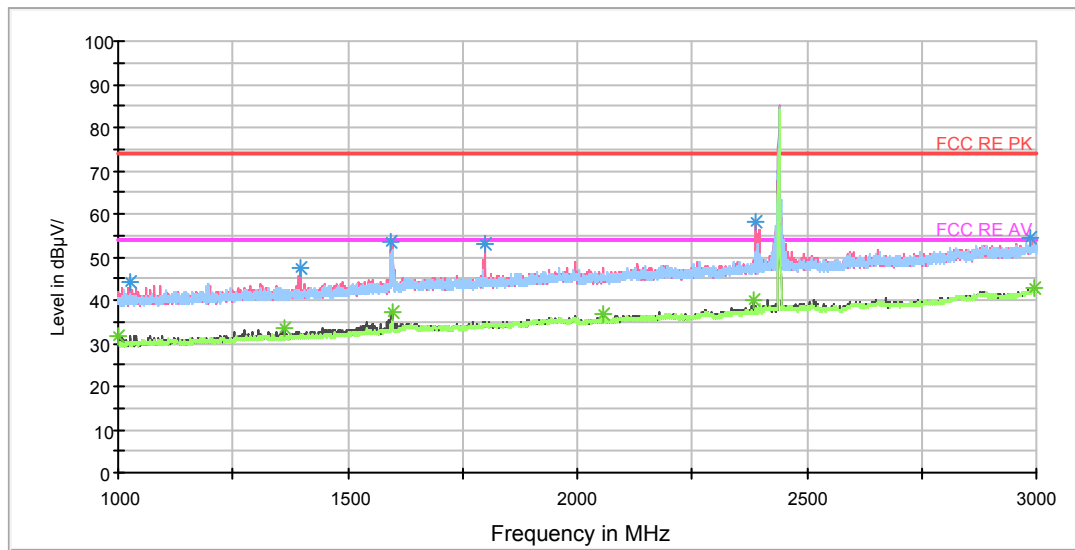
Frequency (MHz)	Quasi-Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
47.985138	35.1	55.3	105.0	V	40.0	-20.2	4.9	40.0
72.012619	32.1	59.6	130.0	H	46.0	-27.5	7.9	40.0
168.002544	37.8	66.1	130.0	H	57.0	-28.3	5.7	43.5
288.020000	43.8	67.2	121.0	H	136.0	-23.4	2.2	46.0
312.007500	39.5	62.6	121.0	H	158.0	-23.1	6.5	46.0
828.022000	23.0	36.8	101.0	H	0.0	-13.8	23.0	46.0

Remark: 1. Quasi-Peak = Reading value + Correction factor

2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV

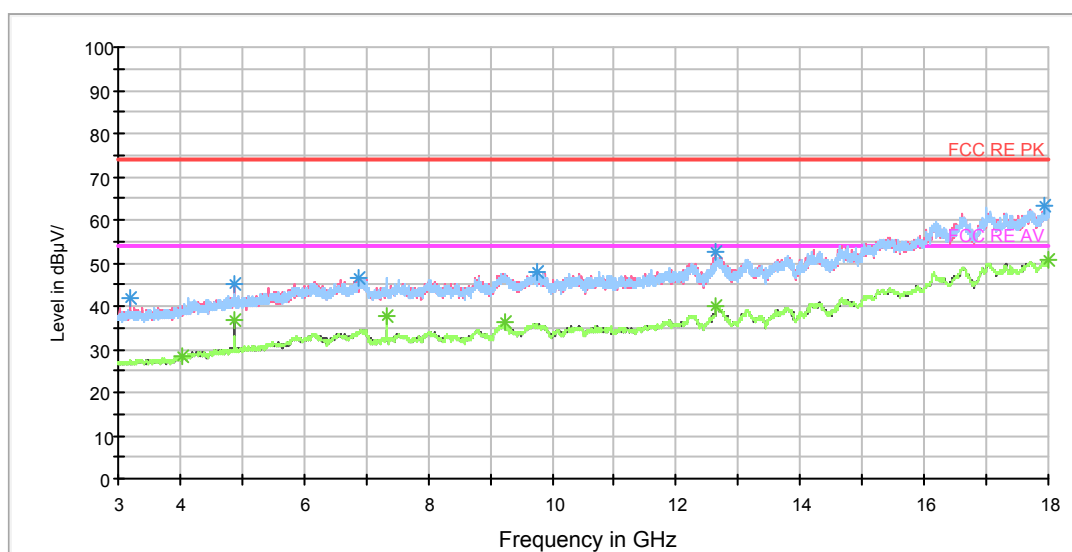


Radiated Emission 1G-3GHz

Frequency (MHz)	Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1027.750000	44.3	53.4	102.0	V	148.0	-9.1	29.7	74
1397.500000	47.6	54.7	102.0	V	221.0	-7.1	26.4	74
1595.750000	53.7	60.1	102.0	V	337.0	-6.4	20.3	74
1799.500000	53.0	56.9	102.0	V	337.0	-3.9	21.0	74
2389.500000	57.9	59.3	102.0	V	0.0	-1.4	16.1	74
2986.250000	54.3	52.1	102.0	H	101.0	2.2	19.7	74

Frequency (MHz)	Average (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1000.250000	31.8	41.0	102.0	V	0.0	-9.2	22.2	54
1362.750000	33.5	40.9	102.0	V	355.0	-7.4	20.5	54
1597.500000	37.0	43.4	102.0	V	221.0	-6.4	17.0	54
2058.000000	36.6	39.8	102.0	V	195.0	-3.2	17.4	54
2383.000000	40.1	41.6	102.0	V	275.0	-1.5	13.9	54
2997.000000	42.7	40.4	102.0	H	269.0	2.3	11.3	54

RE 3-18GHz PK+AV_BELL SWEEP

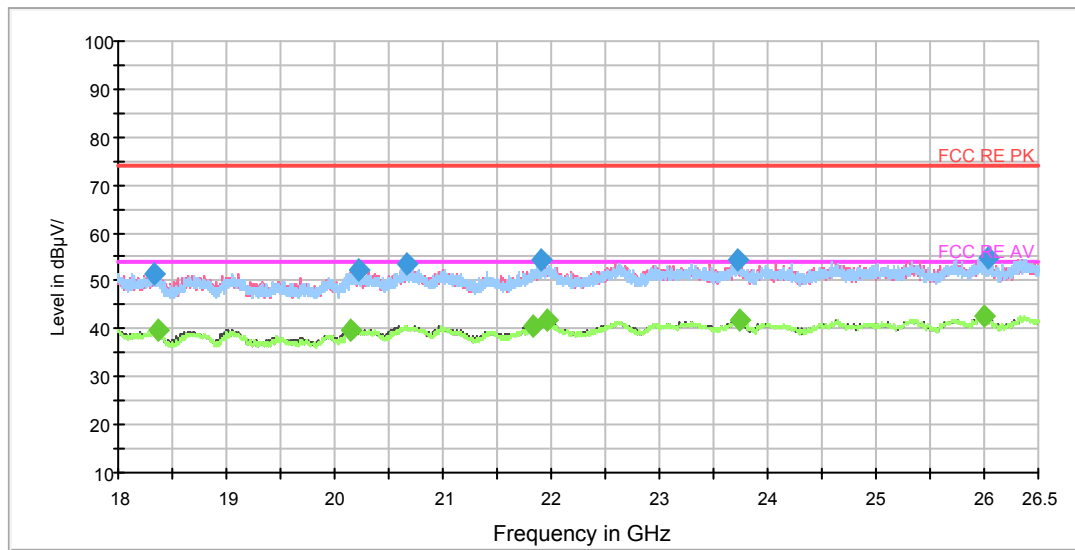


Radiated Emission 3G-18GHz

Frequency (MHz)	Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3193.125000	41.8	44.7	105.0	V	343.0	-2.9	32.2	74
4878.750000	45.0	43.2	105.0	V	69.0	1.8	29.0	74
6894.375000	46.4	40.2	105.0	H	177.0	6.2	27.6	74
9748.125000	48.1	38.3	105.0	H	0.0	9.8	25.9	74
12637.500000	52.4	38.1	105.0	V	0.0	14.3	21.6	74
17936.250000	63.3	38.2	105.0	H	0.0	25.1	10.7	74

Frequency (MHz)	Average (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4035.000000	28.2	29.2	105.0	H	0.0	-1.0	25.8	54
4878.750000	36.8	35.0	105.0	V	69.0	1.8	17.2	54
7320.000000	37.7	30.8	105.0	H	87.0	6.9	16.3	54
9240.000000	36.1	26.2	105.0	H	0.0	9.9	17.9	54
12639.375000	40.0	25.5	105.0	V	69.0	14.5	14.0	54
18000.000000	50.7	25.2	105.0	H	270.0	25.5	3.3	54

RE 18-26.5GHz PK+AV



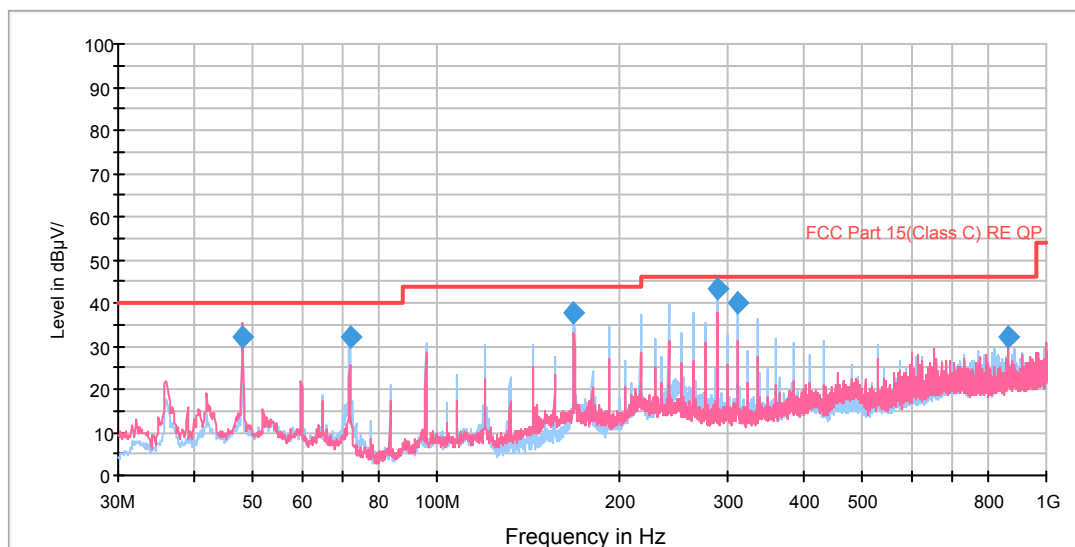
Radiated Emission 18G-26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18340.000000	51.6	54.8	101.0	H	0.0	-3.2	22.4	74
20219.562500	52.2	58.1	101.0	V	314.0	-5.9	21.8	74
20667.937500	53.4	60.0	101.0	V	183.0	-6.6	20.6	74
21898.312500	54.4	62.4	101.0	V	0.0	-8.0	19.6	74
23722.625000	54.3	60.2	101.0	V	209.0	-5.9	19.7	74
26044.187500	54.9	60.3	101.0	V	0.0	-5.4	19.1	74

Frequency (MHz)	Average (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18368.687500	39.7	43.1	101.0	V	314.0	-3.4	14.3	54
20155.812500	39.9	45.7	101.0	H	70.0	-5.8	14.1	54
21838.812500	40.8	48.8	101.0	V	0.0	-8.0	13.2	54
21962.062500	41.8	49.8	101.0	V	75.0	-8.0	12.2	54
23739.625000	41.7	47.6	101.0	V	157.0	-5.9	12.3	54
25998.500000	42.7	48.1	101.0	H	42.0	-5.4	11.3	54

BLE-Channel 39

RE 30M-1GHz QP



Radiated Emission 30M-1GHz

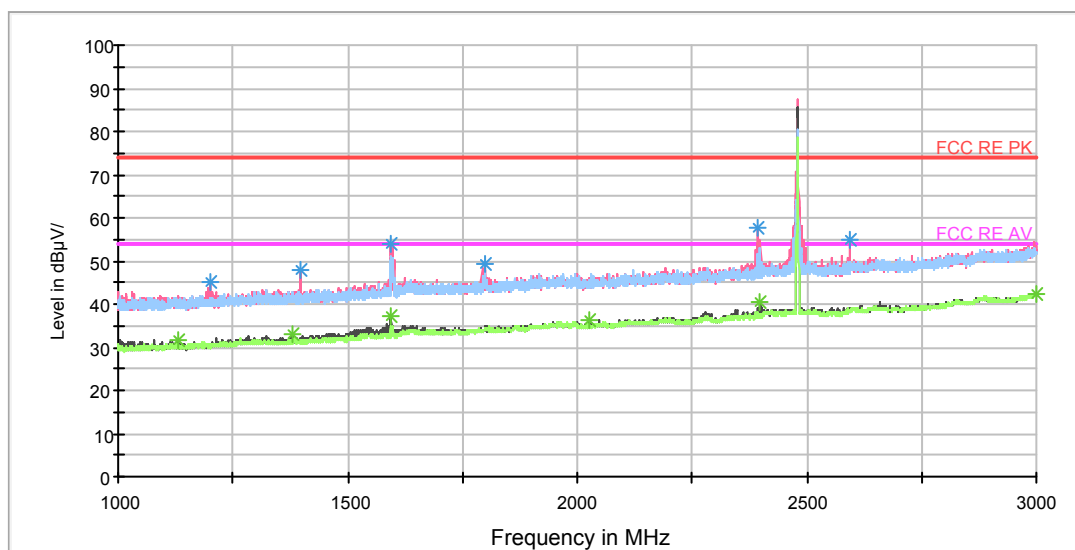
Frequency (MHz)	Quasi-Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
47.985138	32.1	52.3	105.0	V	47.0	-20.2	7.9	40.0
72.012619	32.0	59.5	130.0	H	46.0	-27.5	8.0	40.0
168.002544	37.6	65.9	130.0	H	58.0	-28.3	5.9	43.5
288.020000	43.2	66.6	125.0	H	144.0	-23.4	2.8	46.0
312.007500	39.9	63.0	105.0	H	144.0	-23.1	6.1	46.0
864.038750	32.1	45.0	130.0	H	212.0	-12.9	13.9	46.0

Remark: 1. Quasi-Peak = Reading value + Correction factor

2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV

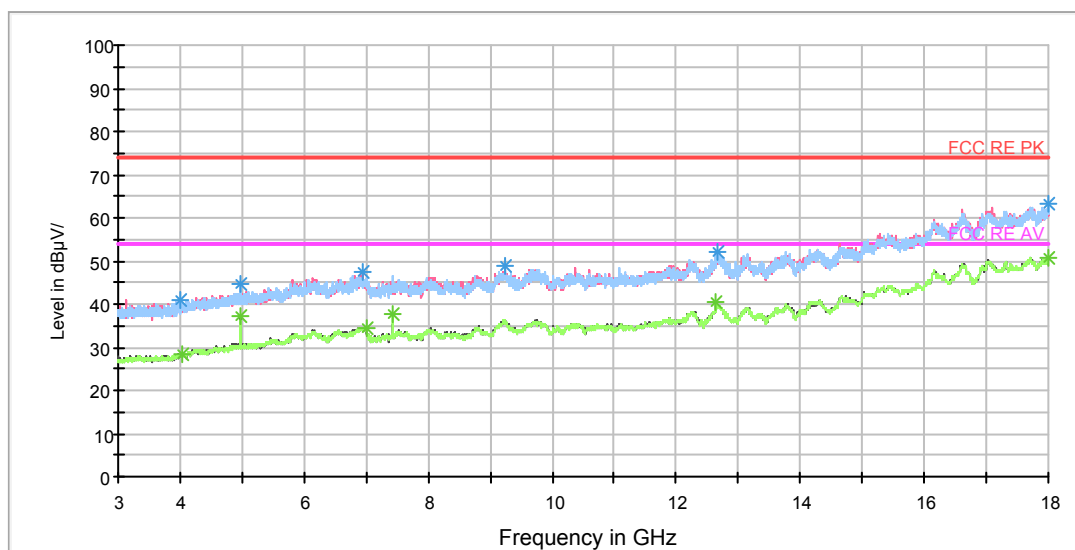


Radiated Emission 1G-3GHz

Frequency (MHz)	Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1200.250000	45.1	53.3	102.0	V	83.0	-8.2	28.9	74
1398.750000	47.7	54.8	102.0	V	311.0	-7.1	26.3	74
1593.250000	54.1	60.5	102.0	V	221.0	-6.4	19.9	74
1799.000000	49.5	53.5	102.0	H	0.0	-4.0	24.5	74
2394.250000	57.5	58.8	102.0	V	356.0	-1.3	16.5	74
2595.750000	54.8	54.6	102.0	V	303.0	0.2	19.2	74

Frequency (MHz)	Average (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1130.250000	31.7	40.0	102.0	V	311.0	-8.3	22.3	54
1380.750000	32.8	39.8	102.0	V	338.0	-7.0	21.2	54
1595.500000	37.1	43.5	102.0	V	338.0	-6.4	16.9	54
2024.750000	36.4	39.9	102.0	V	338.0	-3.5	17.6	54
2399.500000	40.2	41.5	102.0	V	285.0	-1.3	13.8	54
2999.500000	42.4	40.1	102.0	V	139.0	2.3	11.6	54

RE 3-18GHz PK+AV_BELL SWEEP

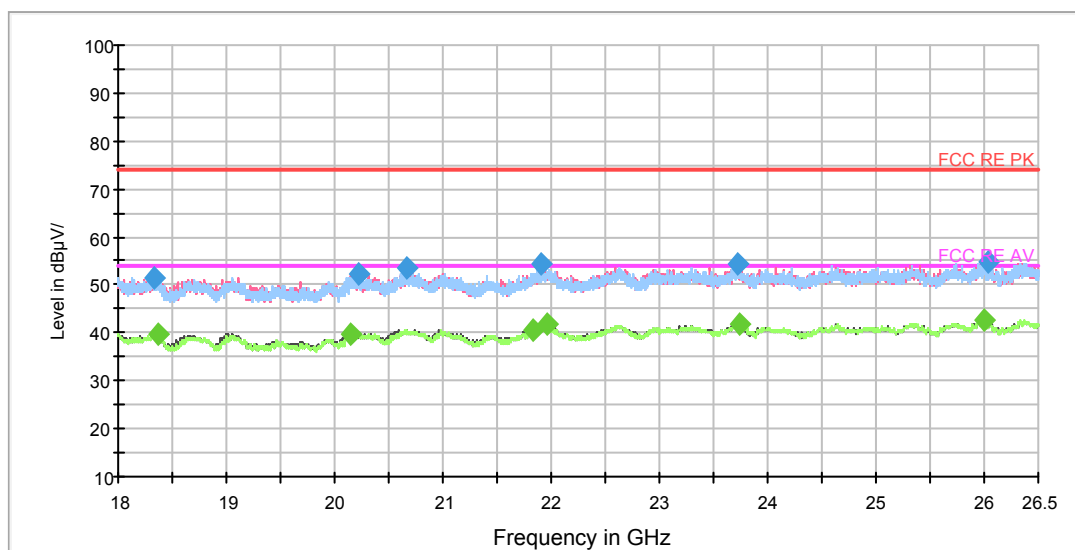


Radiated Emission 3G-18GHz

Frequency (MHz)	Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3993.750000	40.9	42.0	105.0	H	106.0	-1.1	33.1	74
4959.375000	44.8	43.0	105.0	H	0.0	1.8	29.2	74
6941.250000	47.3	41.2	105.0	V	207.0	6.1	26.7	74
9240.000000	48.6	38.7	105.0	V	161.0	9.9	25.4	74
12680.625000	52.2	37.9	105.0	V	0.0	14.3	21.8	74
17998.125000	63.1	37.7	105.0	H	0.0	25.4	10.9	74

Frequency (MHz)	Average (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4036.875000	28.5	29.5	105.0	H	16.0	-1.0	25.5	54
4959.375000	37.1	35.3	105.0	V	19.0	1.8	16.9	54
6997.500000	34.6	28.1	105.0	V	0.0	6.5	19.4	54
7440.000000	37.8	31.2	105.0	H	106.0	6.6	16.2	54
12641.250000	40.6	26.1	105.0	H	224.0	14.5	13.4	54
18000.000000	50.7	25.2	105.0	V	0.0	25.5	3.3	54

RE 18-26.5GHz PK+AV



Radiated Emission 18G-26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18340.000000	51.6	54.8	101.0	H	0.0	-3.2	22.4	74
20219.562500	52.2	58.1	101.0	V	314.0	-5.9	21.8	74
20667.937500	53.4	60.0	101.0	V	183.0	-6.6	20.6	74
21898.312500	54.4	62.4	101.0	V	0.0	-8.0	19.6	74
23722.625000	54.3	60.2	101.0	V	209.0	-5.9	19.7	74
26044.187500	54.9	60.3	101.0	V	0.0	-5.4	19.1	74

Frequency (MHz)	Average (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18368.687500	39.7	43.1	101.0	V	314.0	-3.4	14.3	54
20155.812500	39.9	45.7	101.0	H	70.0	-5.8	14.1	54
21838.812500	40.8	48.8	101.0	V	0.0	-8.0	13.2	54
21962.062500	41.8	49.8	101.0	V	75.0	-8.0	12.2	54
23739.625000	41.7	47.6	101.0	V	157.0	-5.9	12.3	54
25998.500000	42.7	48.1	101.0	H	42.0	-5.4	11.3	54

6. Main Test Instruments

Name	Type	Manufacturer	Serial Number	Calibration Date	Expiration Time
Spectrum Analyzer	FSV30	R&S	100815	2016-12-16	2017-12-15
EMI Test Receiver	ESCI	R&S	100948	2016-06-01	2017-05-31
TRILOG Broadband Antenna	VULB 9163	Schwarzbeck	9163-201	2014-12-06	2017-12-05
Double Ridged Waveguide Horn Antenna	HF907	R&S	100126	2014-12-06	2017-12-05
Loop Antenna	FMZB1519	SCHWARZBECK	1519-047	2014-02-19	2017-02-18
Standard Gain Horn	3160-09	ETS-Lindgren	00102644	2015-01-30	2018-01-29
EMI Test Receiver	ESCS30	R&S	100138	2016-12-16	2017-12-15
LISN	ENV216	R&S	101171	2016-12-17	2019-12-16
Spectrum Analyzer	N9010A	Agilent	MY47191109	2016-05-21	2017-05-20
MOB COMMS DC SUPPLY	66319D	Agilent	MY43004105	2016-05-21	2017-05-20
Peak Power Meter	U2021XA	Keysight	MY55240003	2016-06-26	2017-06-25
RF Cable	SMA 15cm	Agilent	0001	2017-02-06	2017-08-05

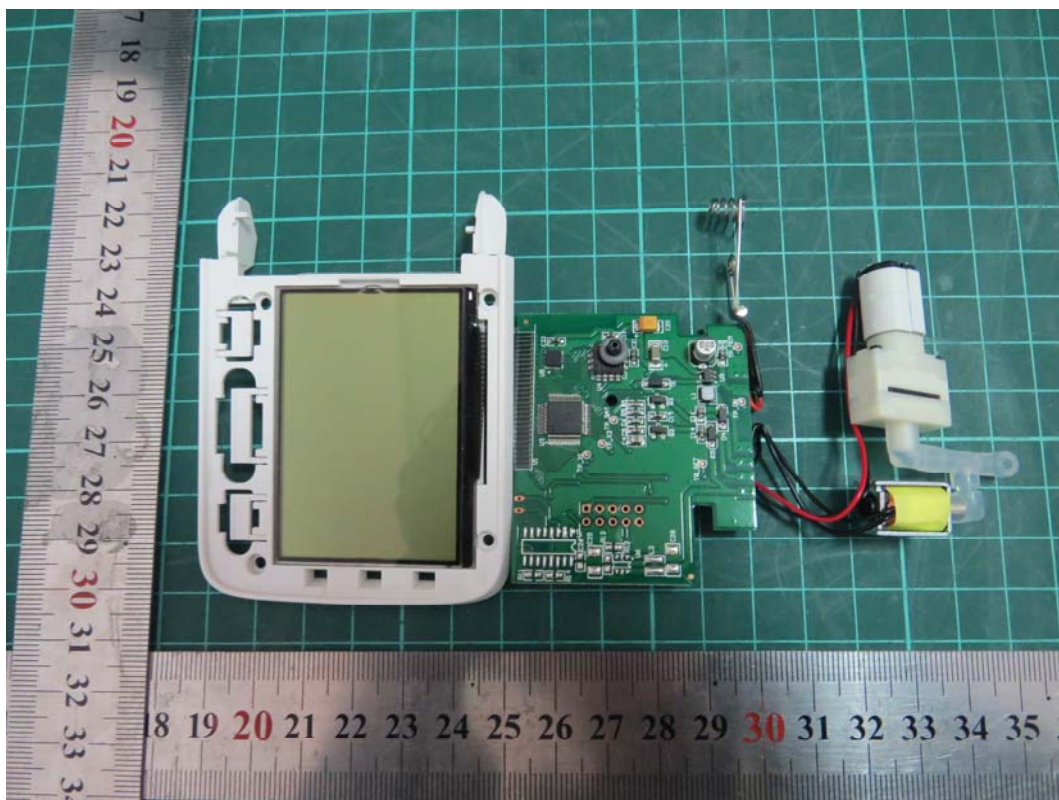
*****END OF REPORT *****

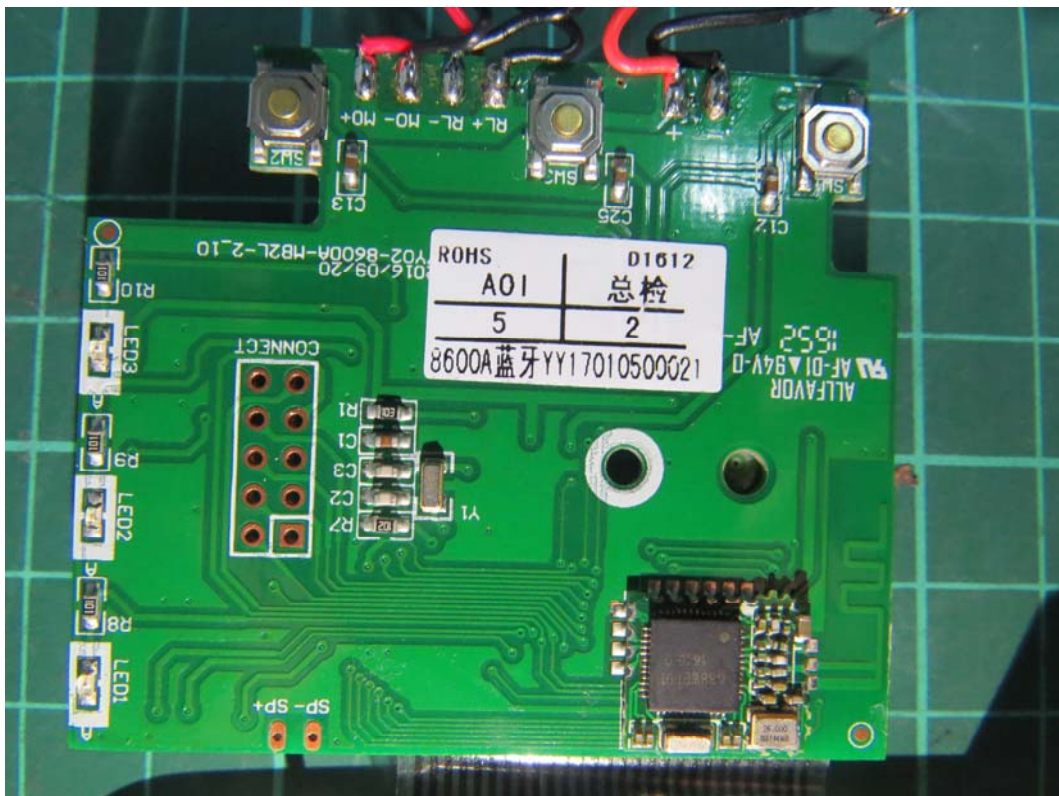
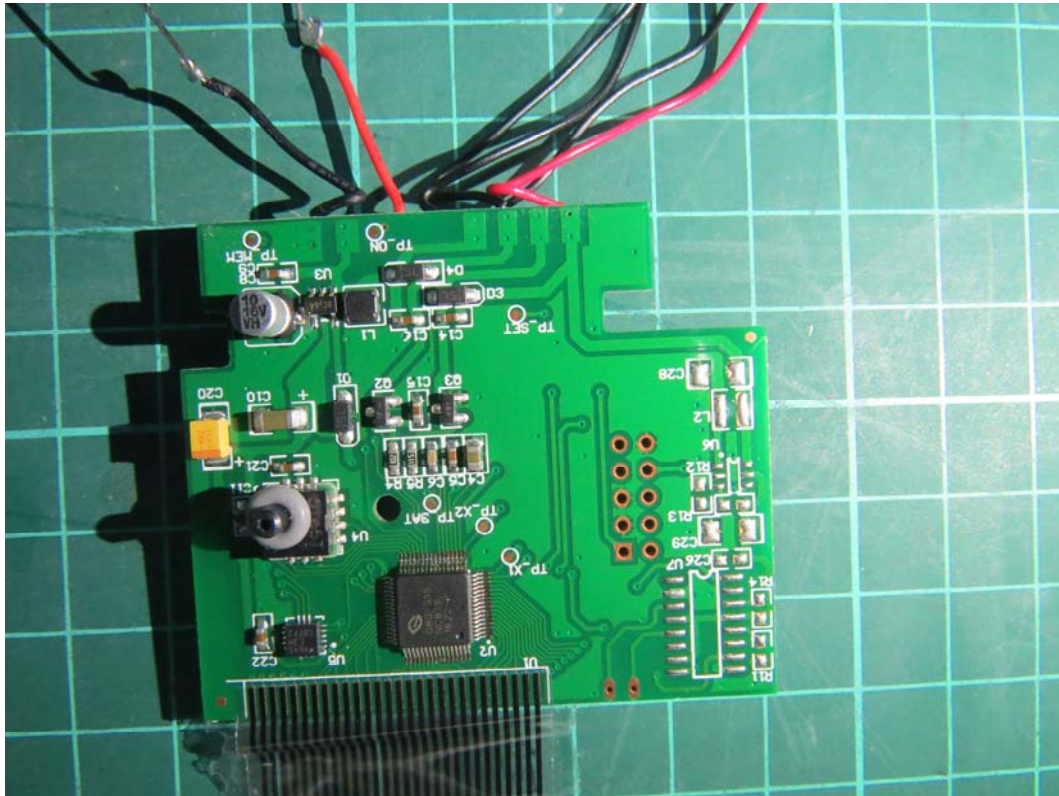
ANNEX A: EUT Appearance and Test Setup

A.1 EUT Appearance



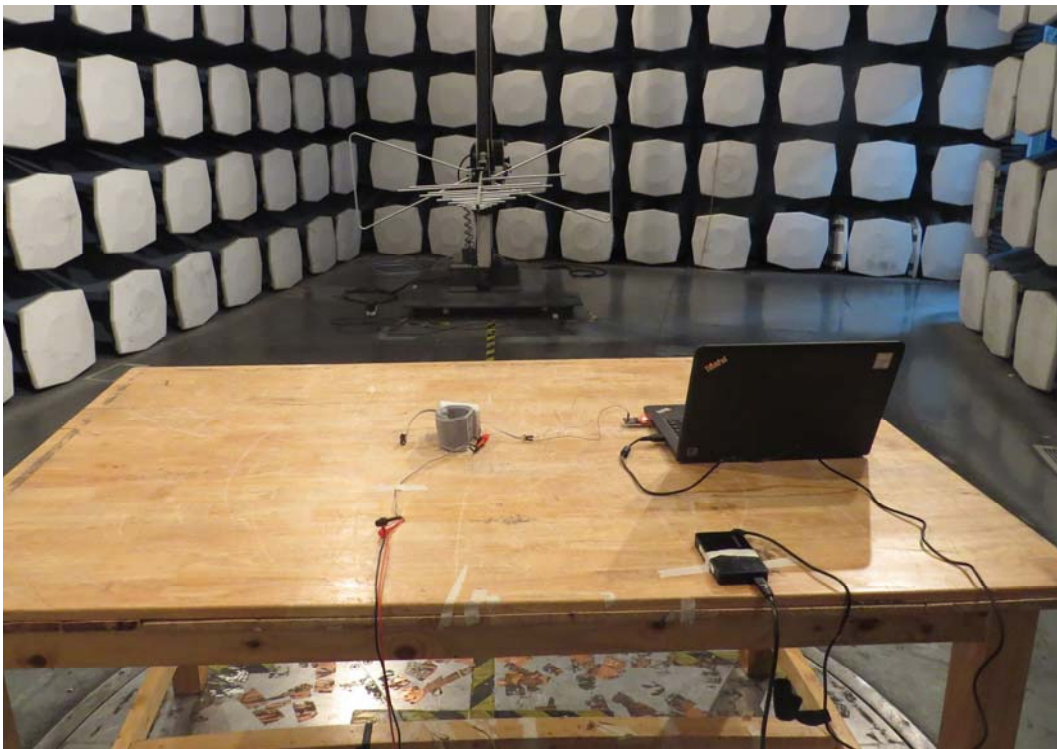
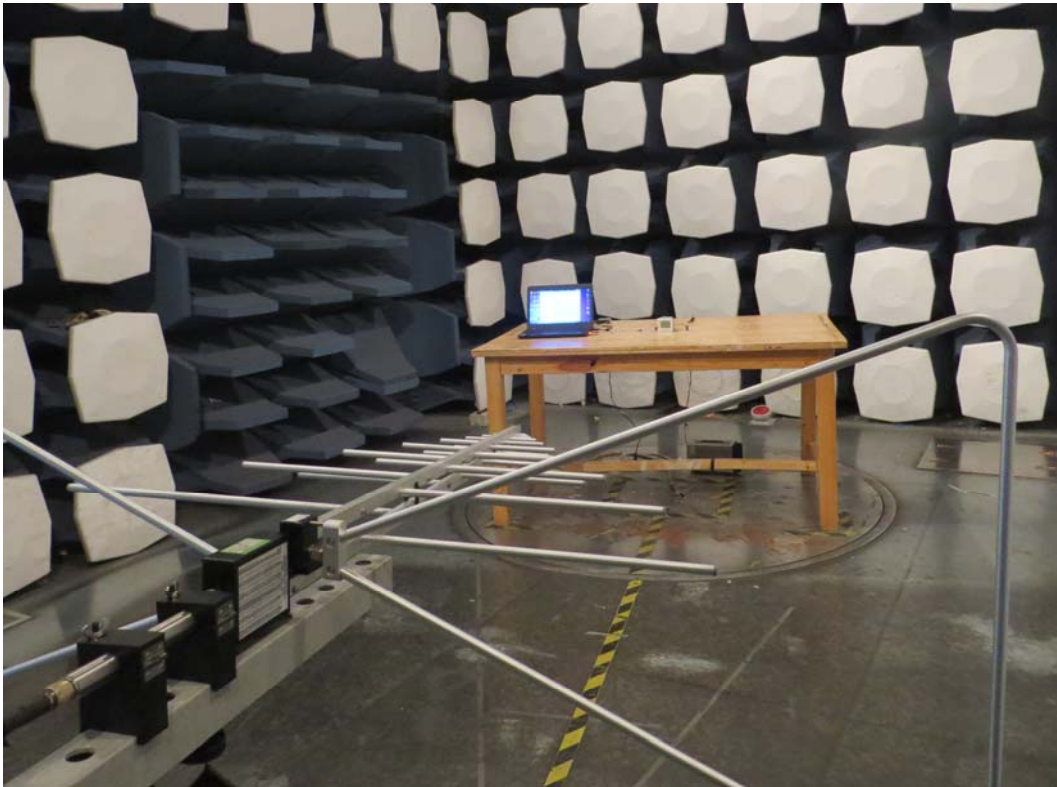




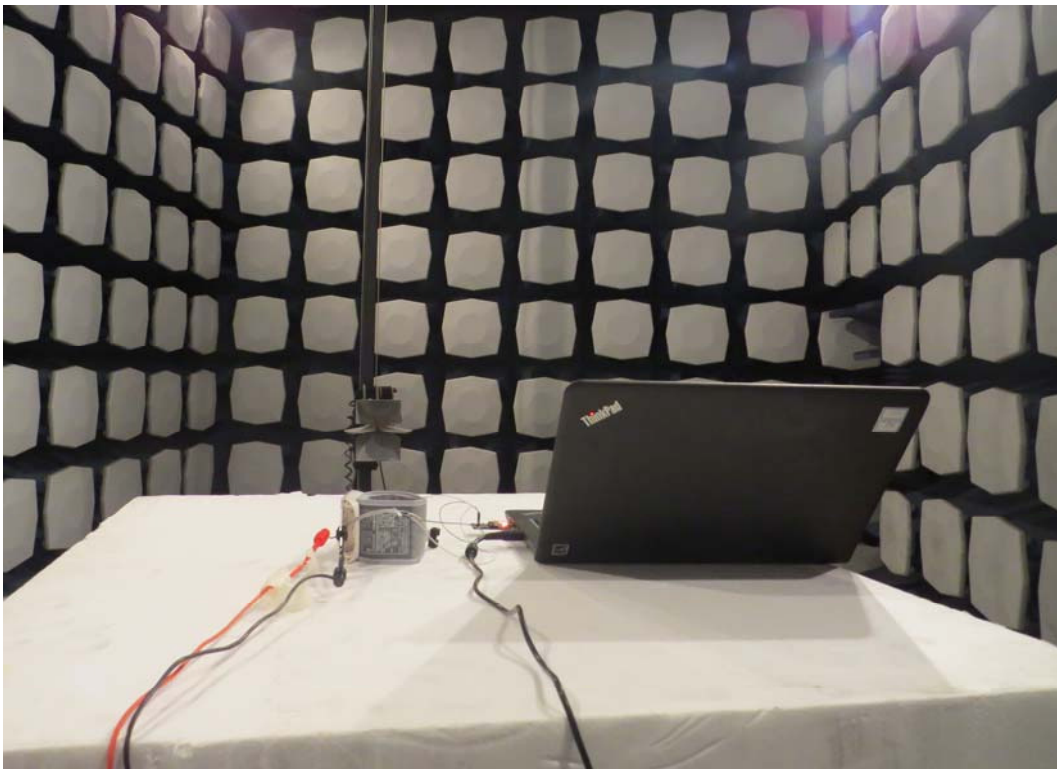
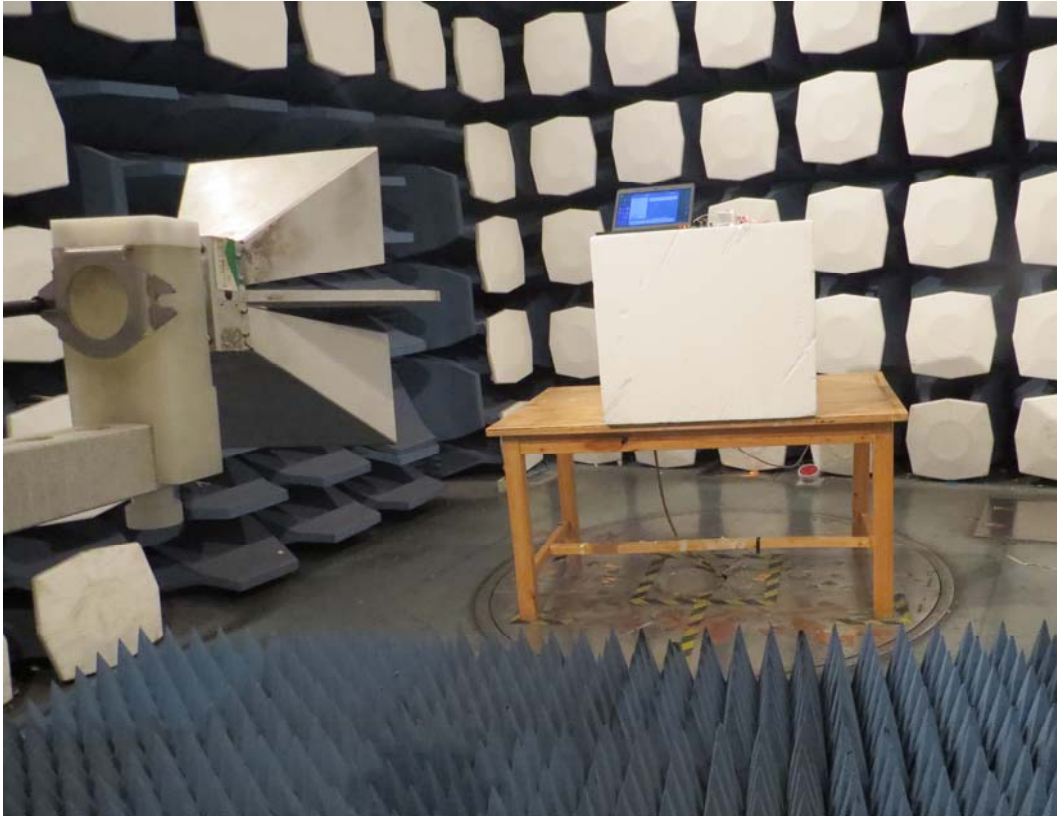


Picture 1 EUT and Accessory

A.2 Test Setup



30M Hz-1GHz



Above 1GHz

Picture 2 Radiated Emission Test Setup