



OTA Test Report

1. Test Laboratory

1.1 Test facility

GTS1800 Microwave Anechoic Chamber: testing frequency ranges from 600MHz to 5.8GHz.

1.2 Testing Location

Company: Welletronics technology Co.,Ltd.

Address: BeijingYizhuang economic and Technological Development Zone Six Jing
Neng Meng Valley A502

Contact: Lixiong.Ding

Telephone: 15910383532

E-mail: bjrf1@wtt-china.com

1.3 Laboratory environment

Temperature	Min=19° C, Max=25°
Relative humidity	Min=40%, Max=72%
Ground resistance	<0.5 Ω

2. General Description of Equipent under Test

2.1 Manufacturer

Manufacturer Name	ONTIM Technologies Ltd.
Manufacturer address	Floor 3, gate 2, zone A, Zhaowei Industrial Park, Jiuxianqiao street, Chaoyang District, Beijing

2.2 General information

Product Name	Shadow(TA-1573)
HW Version	V1.0
Antenna Type	FPC
Antenna Manufacturer	Welletronics technology Co.,Ltd.
Test Frequency	600MHz-2700MHz



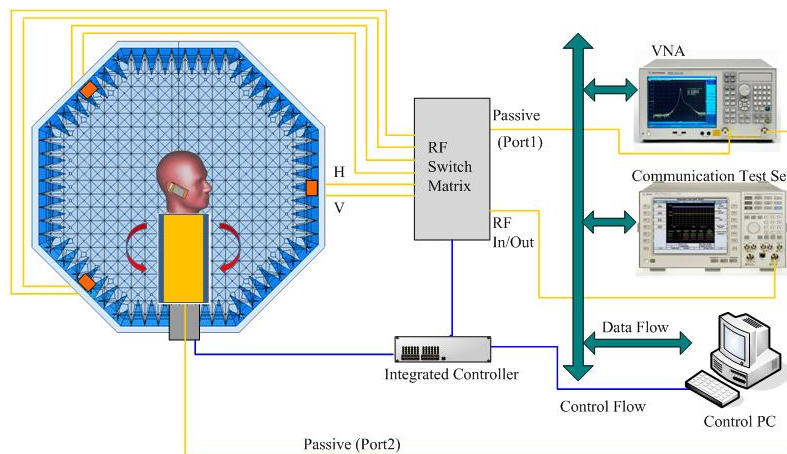
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3. Test Conditions

3.1 Test Configuration

The method is used to measure the antenna 3D GAIN of EUT in OTA qualified anechoic chamber. Equipment Under Test(EUT) geometry vertical projection at the center of platform, the distance from EUT to measurement antenna is 1m.

3.2 Test Measurement



4. Test Results

4.1 Antenna Max.Peak Gain

ANT1: -1.24dBi

ANT2: -3.69 dBi

ANT3: -0.91dBi

ANT4: -1.78dBi

ANT5: -0.86dBi

ANT6: -0.15dBi

ANT7: -2.1dBi (2.4G) -0.5dBi (5G)



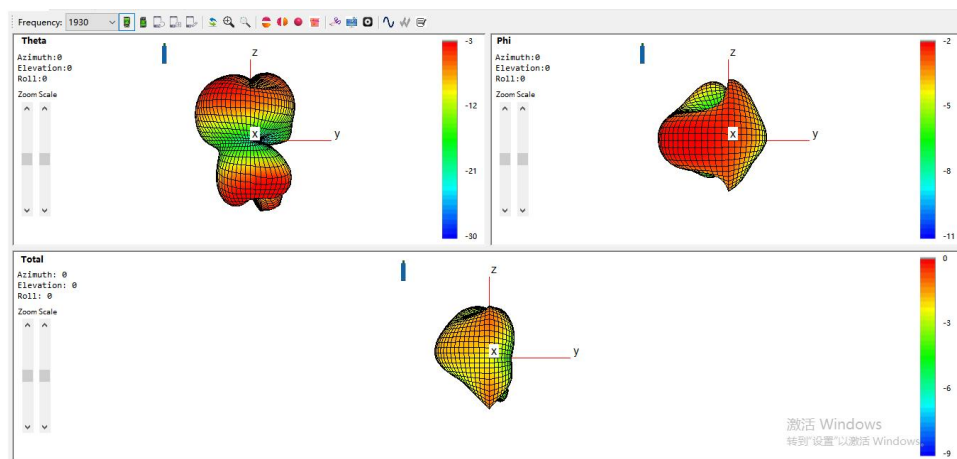
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ANT8: 1.02dBi

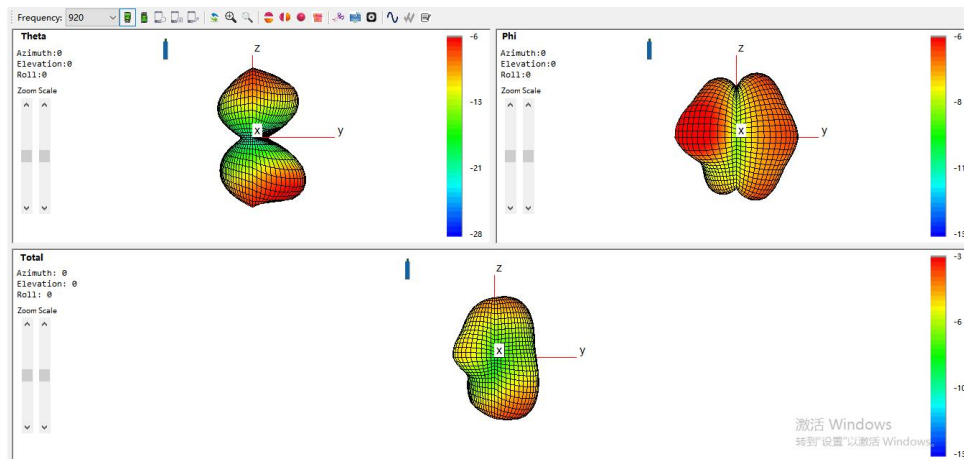
ANT9: -1.91dBi

4.2 Simple Antenna Pattern Plot

1). ANT1



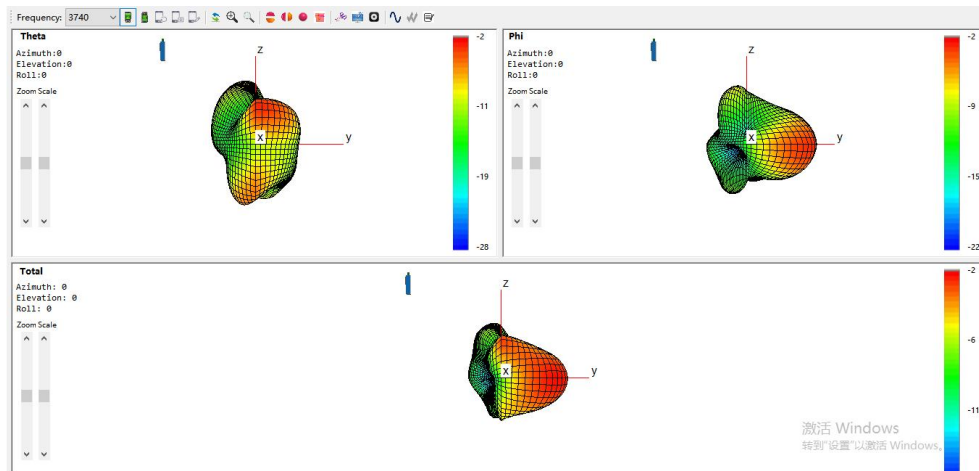
2). ANT2



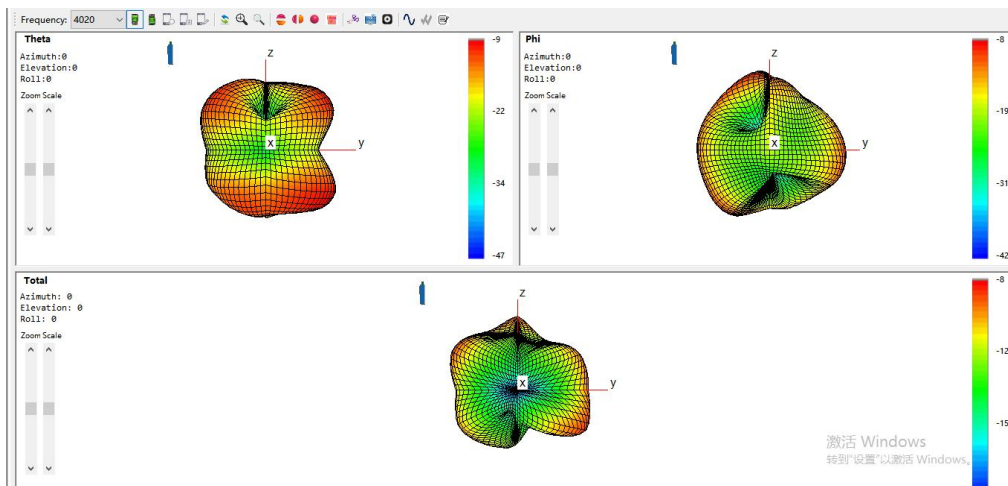
3). ANT3



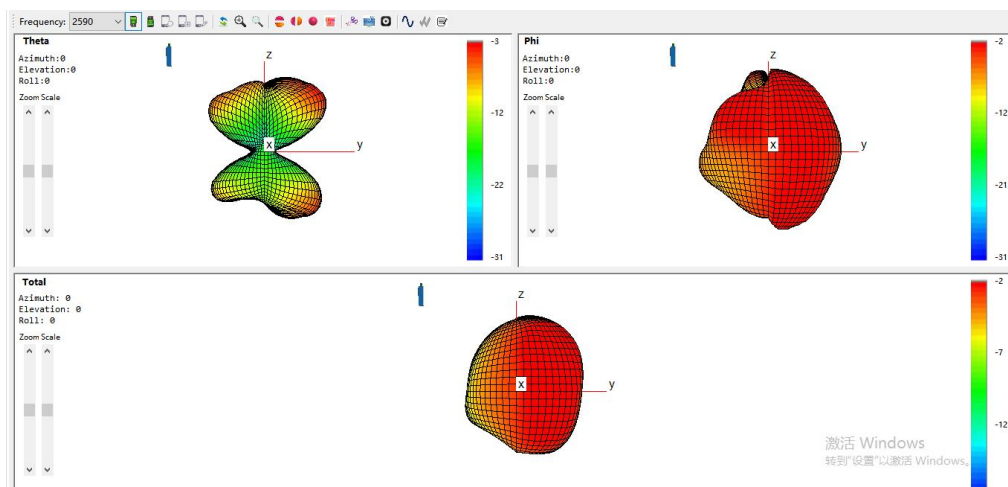
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4). ANT4



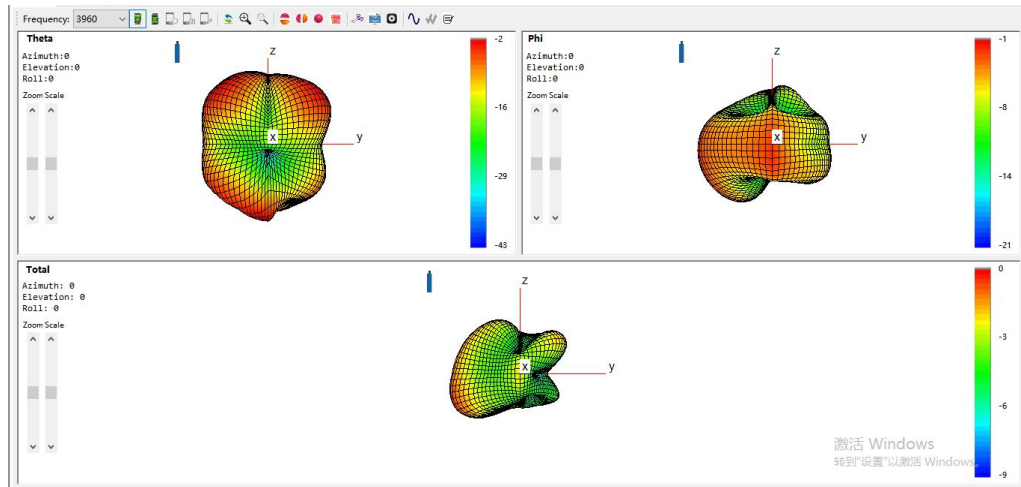
5). ANT5



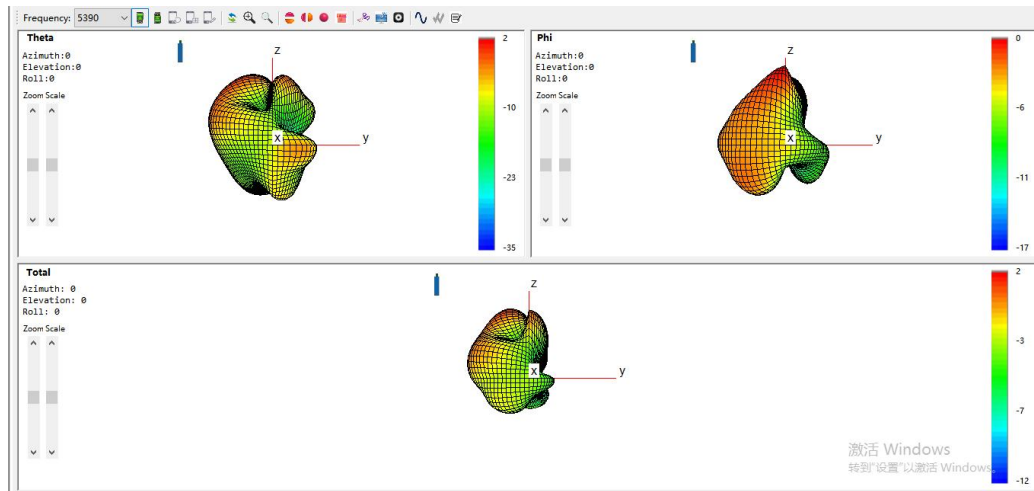
6). ANT6



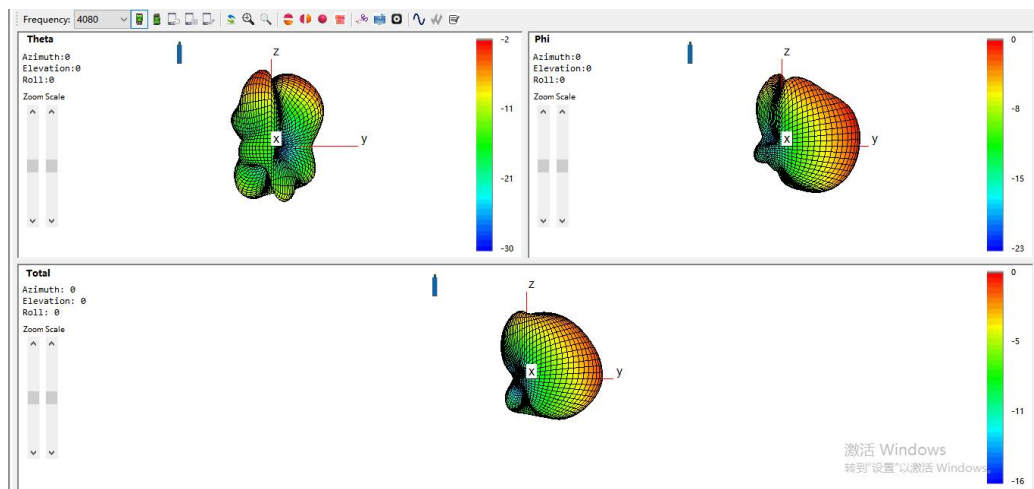
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7). ANT7



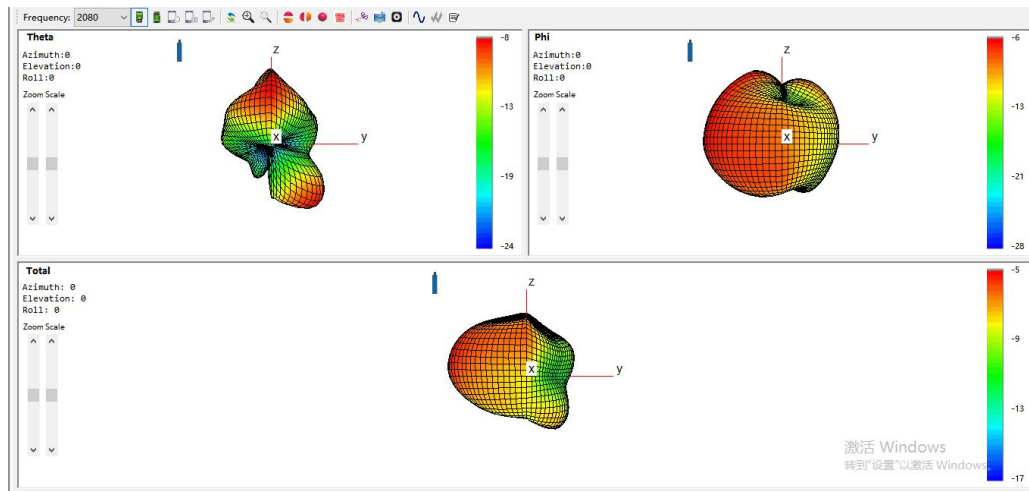
8). ANT8



9). ANT9



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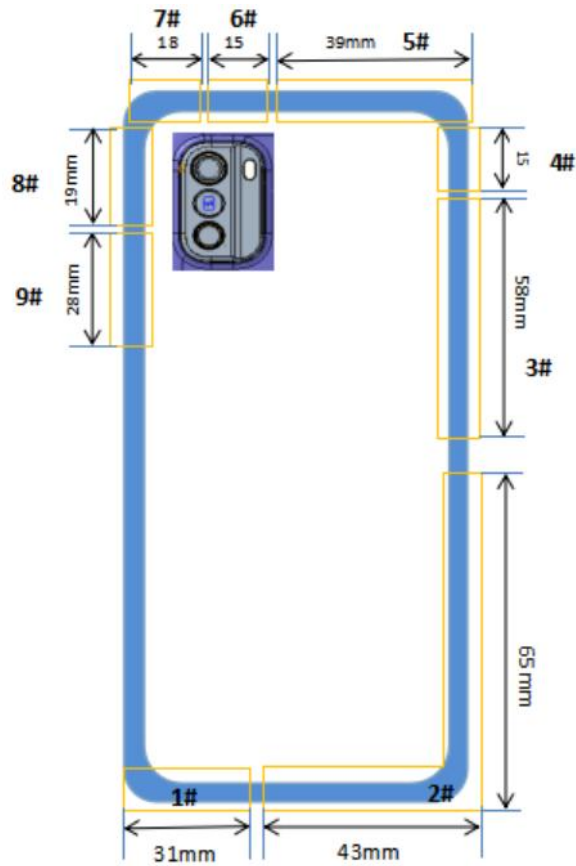
5. Equipment List

Type of Equipment	Manufacture
Network Analyzer	Agilent
Switch control System	GTS
Software	GTS

EUT Apperance(Antenna location)



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Test Configuration



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6. Antenna location and Band information

