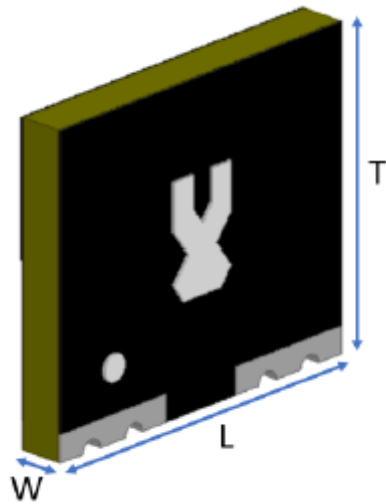


Antenna Specification

1. Antenna Describe

Antenna Manufacturer	OneWave Electronic Co., Ltd.
Address	1F, No. 151, Li Gong Street, Beitou District, Taipei City 112, Taiwan
Antenna Model	WAN098070DD252SHL7
Antenna Type	Chip Antenna
Antenna Gain	2.4G: 4.49dBi Max, 5G: 4.95dBi Max
Frequency Rang	2400-2500MHz, 5150-5850MHz
VSWR	≤ 2
Input Impedance	50 Ω

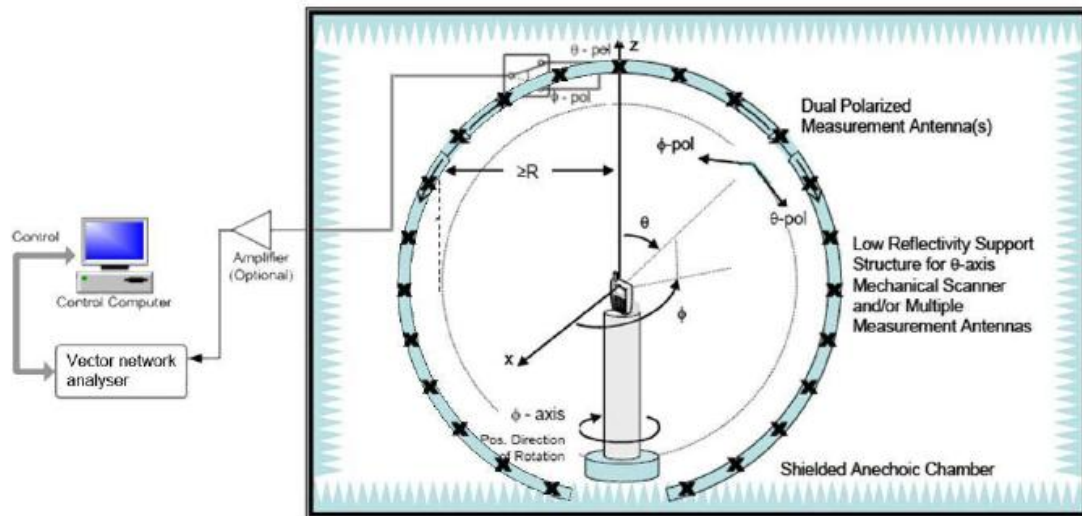
2. External View Drawing



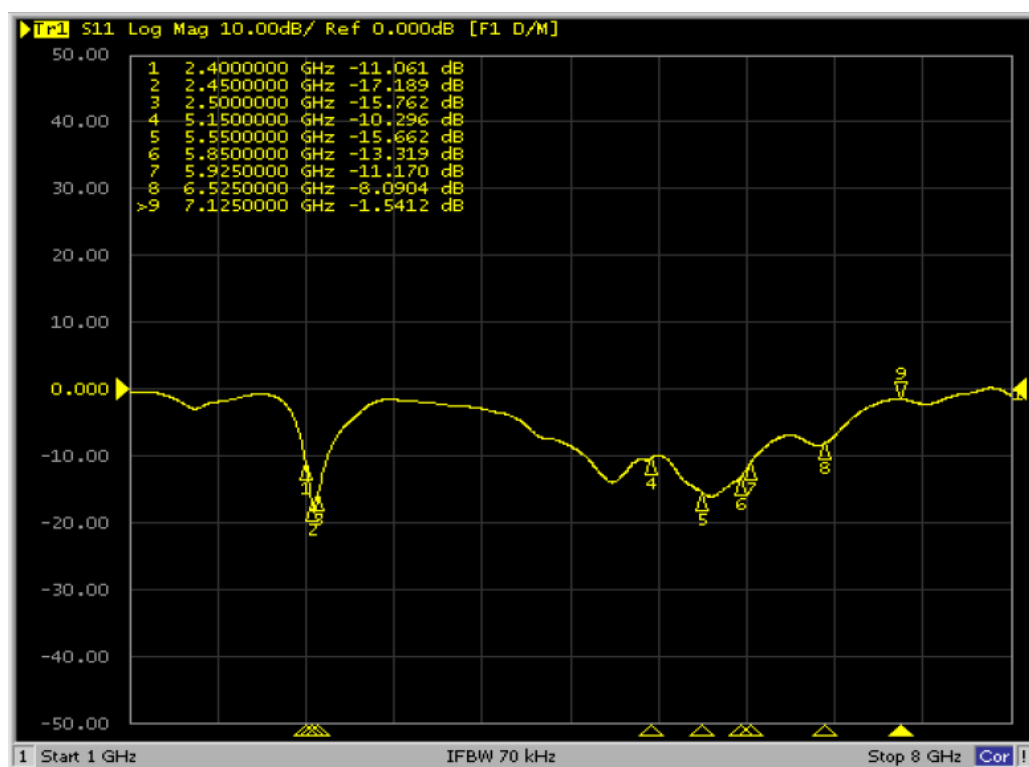
	Dimension (mm)
L	8.00 $\pm$ 0.20
W	1.65 $\pm$ 0.20
T	7.00 $\pm$ 0.20

3. Measurement Result

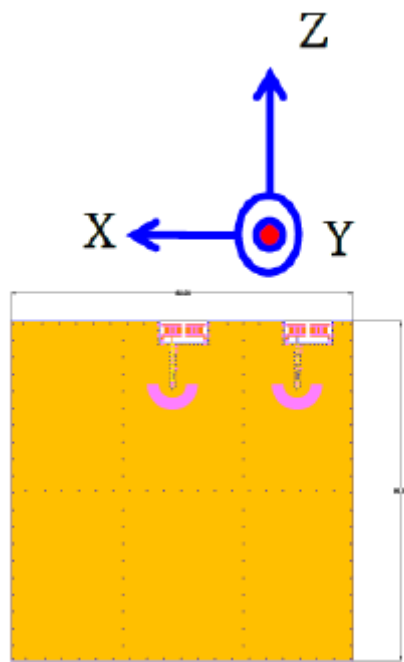
3.1 Test Setup

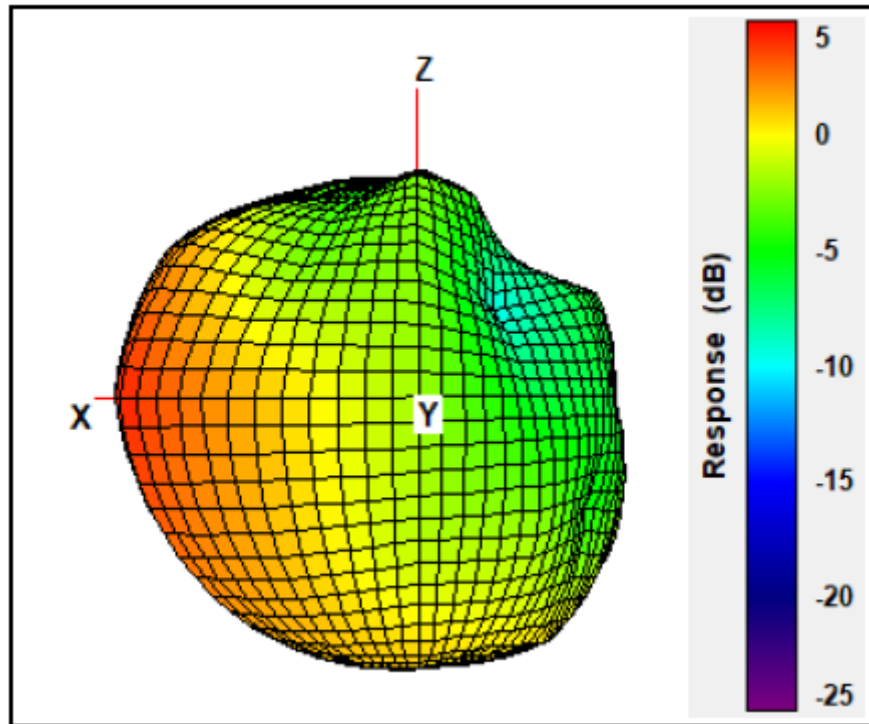


3.2 S11 Parameter

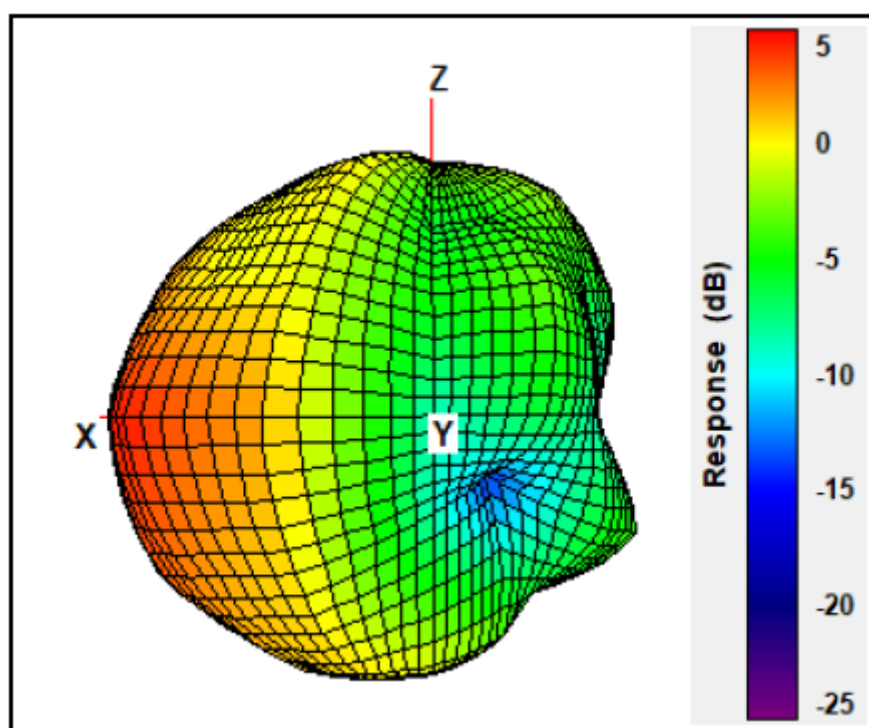


3.3 Antenna test diagram





	Efficiency	Peak Gain	Directivity
2400MHz	64.37 %	4.32 dBi	6.23 dBi
2450MHz	66.80 %	4.49 dBi	6.24 dBi
2500MHz	65.61 %	4.39 dBi	6.22 dBi



	Efficiency	Peak Gain	Directivity
5150MHz	73.03 %	4.81 dBi	6.17 dBi
5550MHz	75.43 %	4.95 dBi	6.17 dBi
5850MHz	74.14 %	4.88 dBi	6.18 dBi