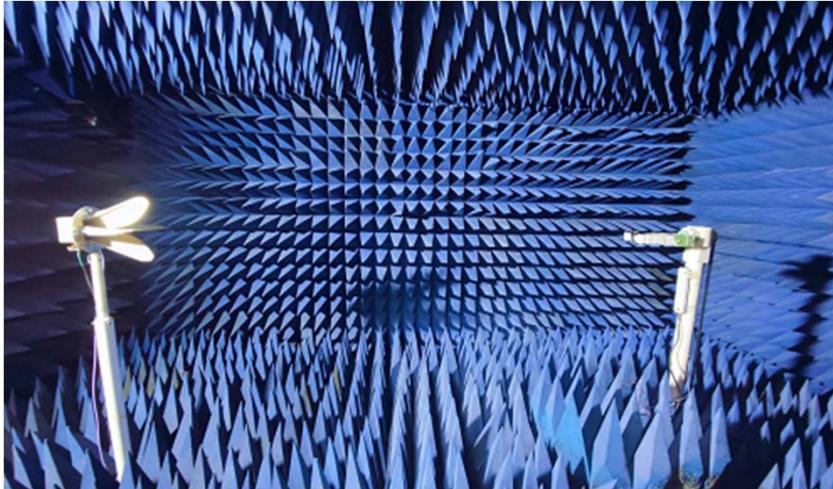
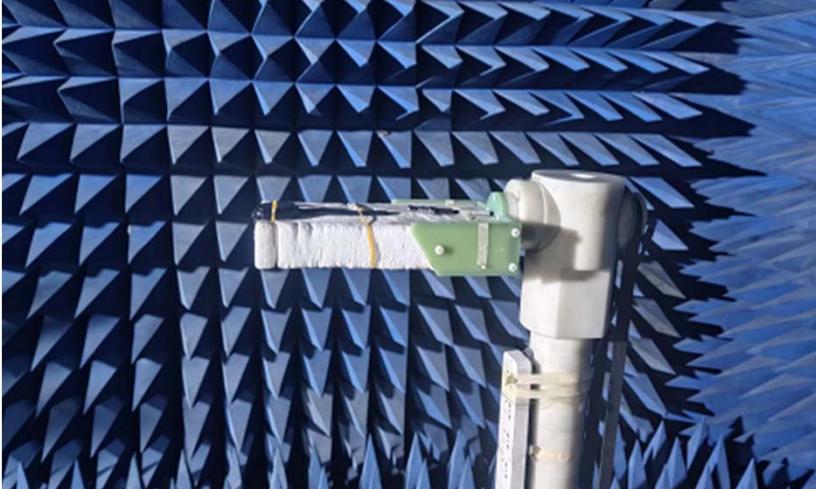


Project Name	DF55-G4CM
Frequency Range	2400-2500MHz
Revision	Rev01
Report Date	2022/8/30
Specification	WIFI+BT
EUT Picture	 

Manufacturer: Shenzhen Goodboy Technology Co., Ltd.

Test equipment

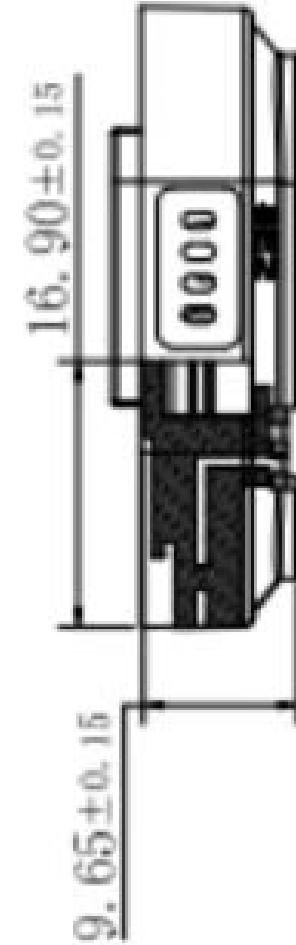
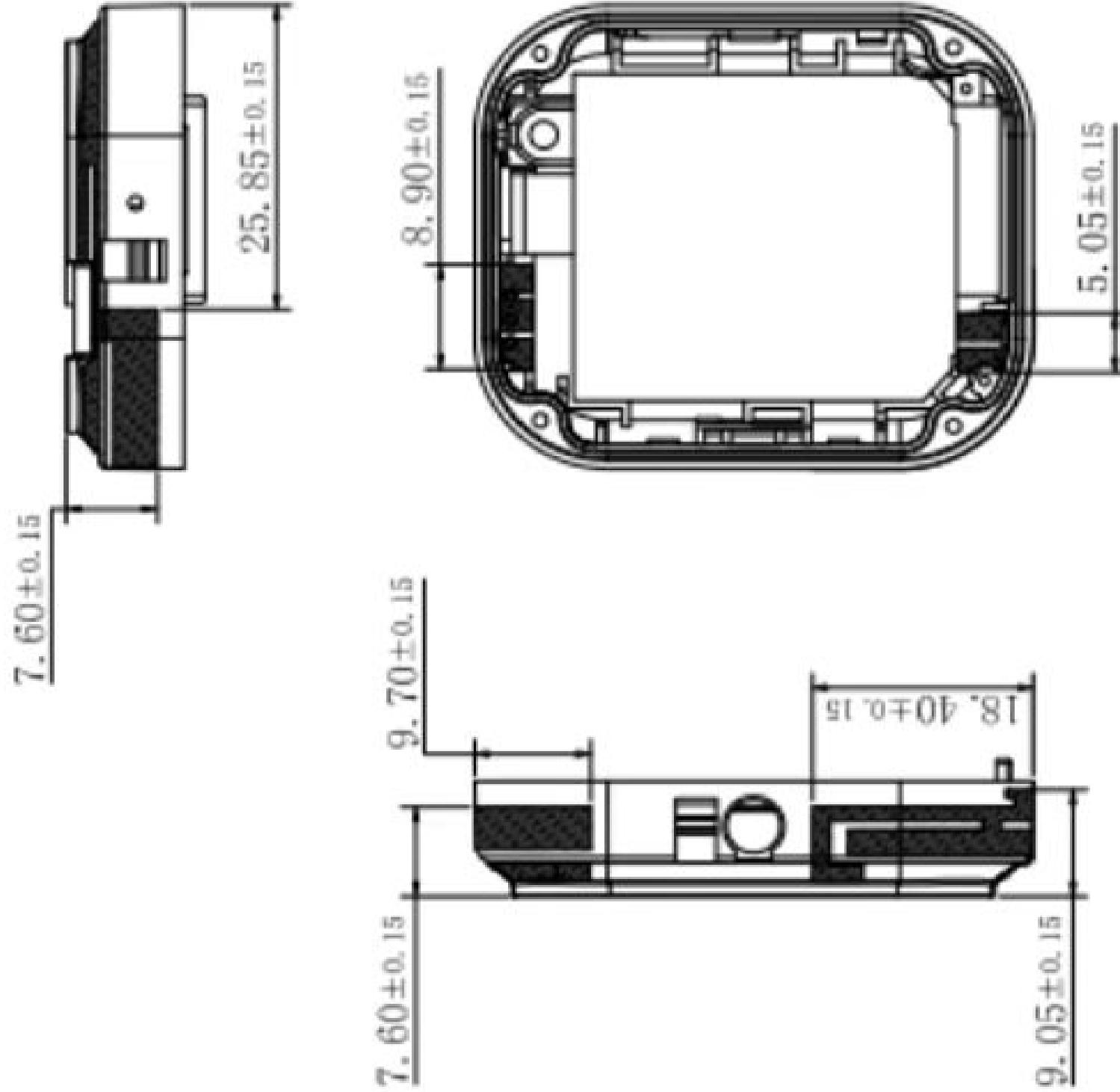


Antenna measurements such as VSWR were measured with an Agilent E5071C vector network analyzer. Radiation patterns were measured with a CMT Planar 804/1 vector network analyzer in a Howland Company 3100 chamber equivalent. Phase center is nine inches above the Phi positioner.

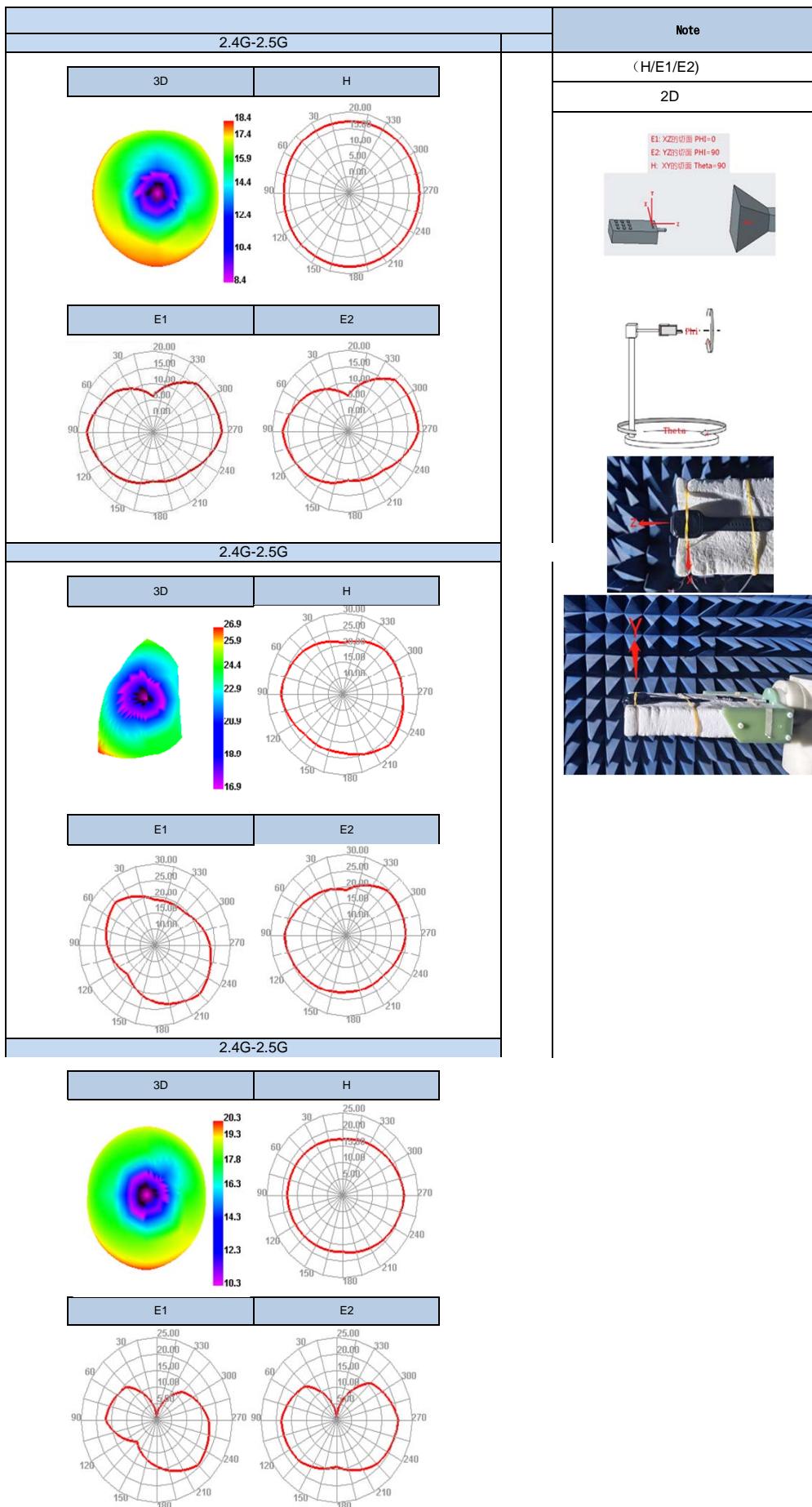
Flat surface measurements were done with the antenna centered on a 1.5 mm-thick plate of polycarbonate. Curved surface measurements

were taken by placing the antenna on the inside and outside of different diameter PVC tubing.

Size



Test setup and Test picture



Passive efficiency and gain:

Frequency	Efficiency		Peak Gain
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	24.94	-6.03	-0.12
2410	25.1	-6	-0.17
2420	25.38	-5.95	-0.14
2430	25.87	-5.87	0.00
2440	24.54	-6.1	-0.31
2450	20.73	-6.83	-1.07
2460	23.47	-6.29	-0.57
2470	20.71	-6.84	-1.1
2480	18.78	-7.26	-1.56
2490	17.67	-7.53	-1.84
2500	17.52	-7.57	-1.86

VSWR

