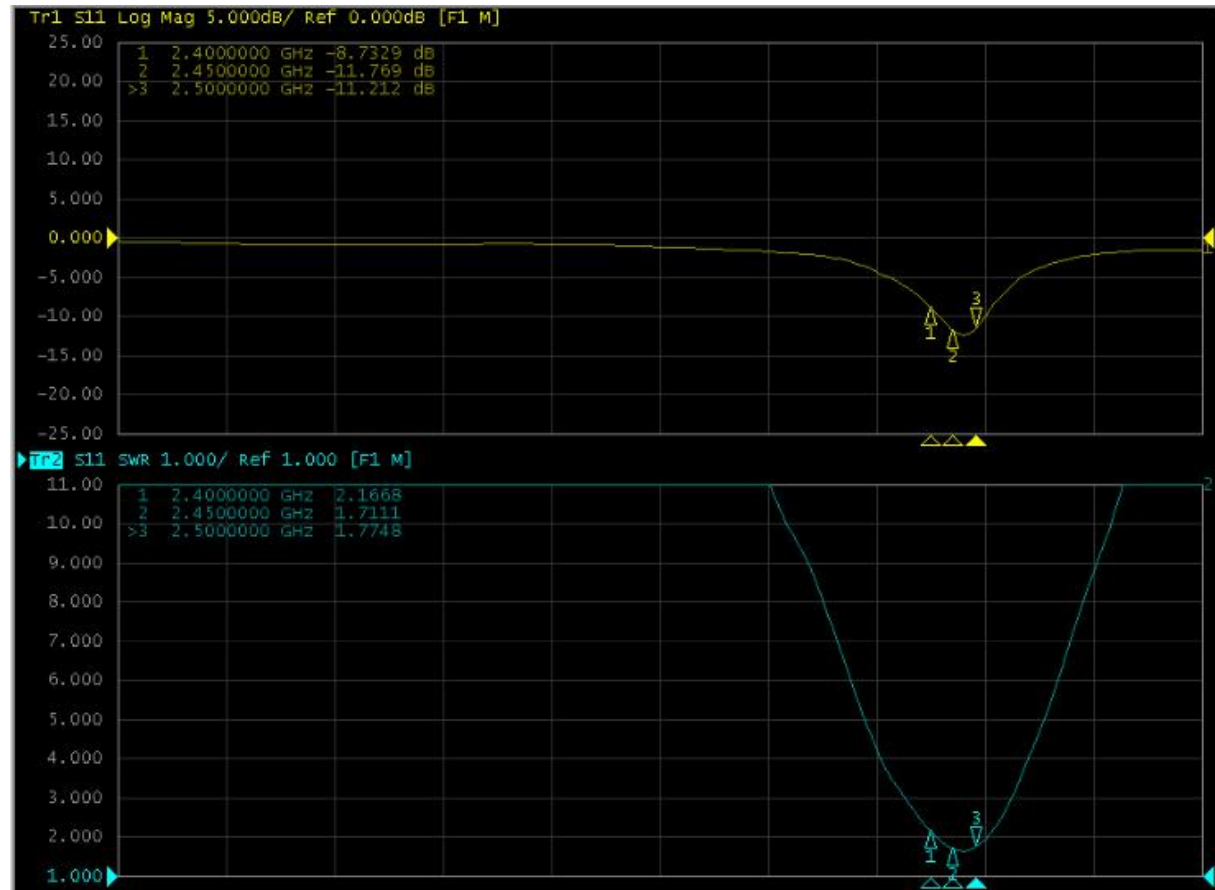
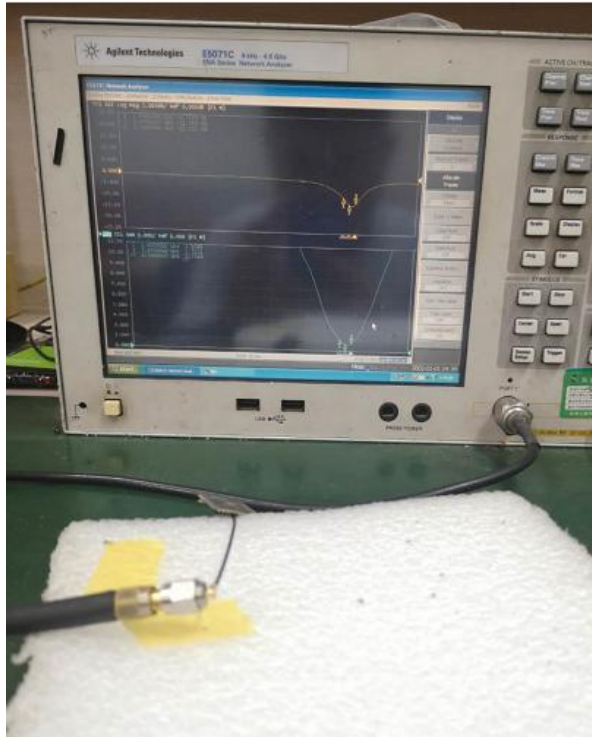
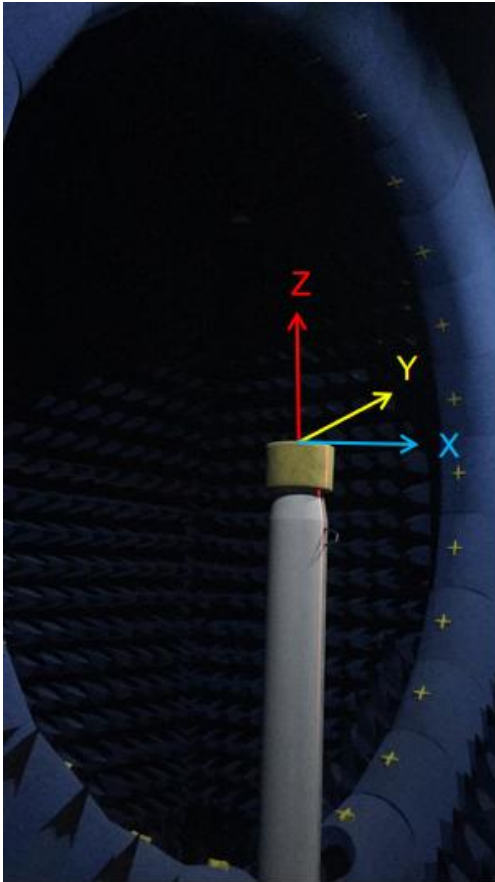


MANUFACTURER:	TUYA
PRODUCT NAME:	ESP32 ANTENNA
ANTENNA TYPE:	PCB
WRITED:	Long Wang
DATE:	20190520
VERSIONS:	A



Frequency (MHz)	2400	2450	2500
Return Loss	-8.73	-11.76	-11.21
VSWR	2.16	1.71	1.77

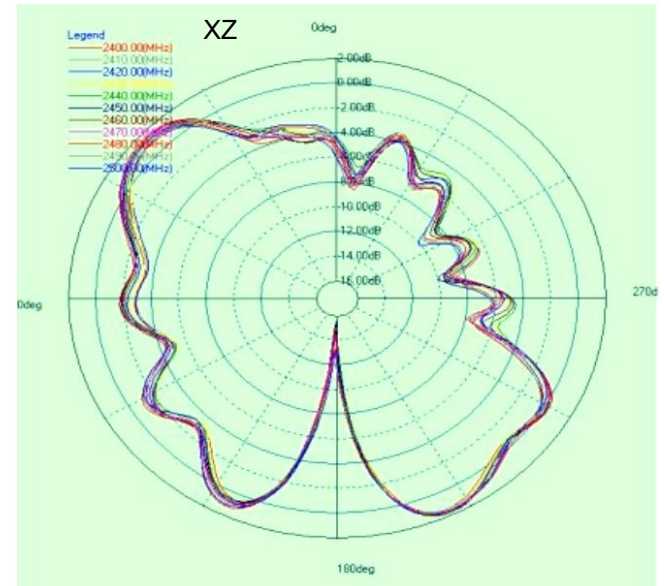
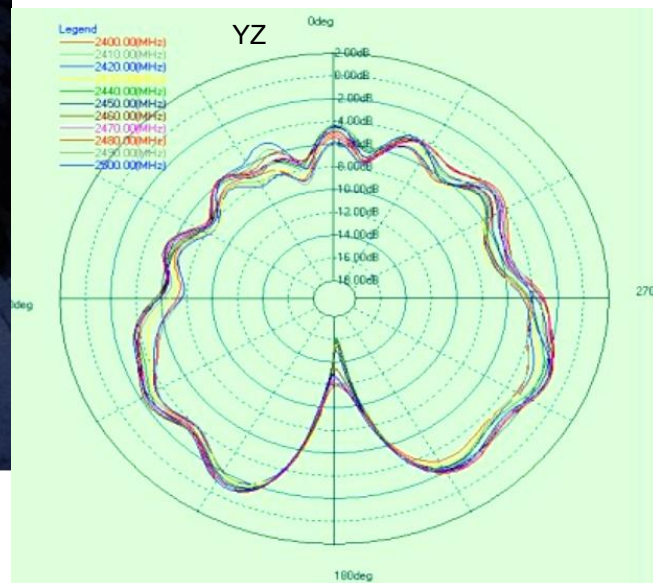
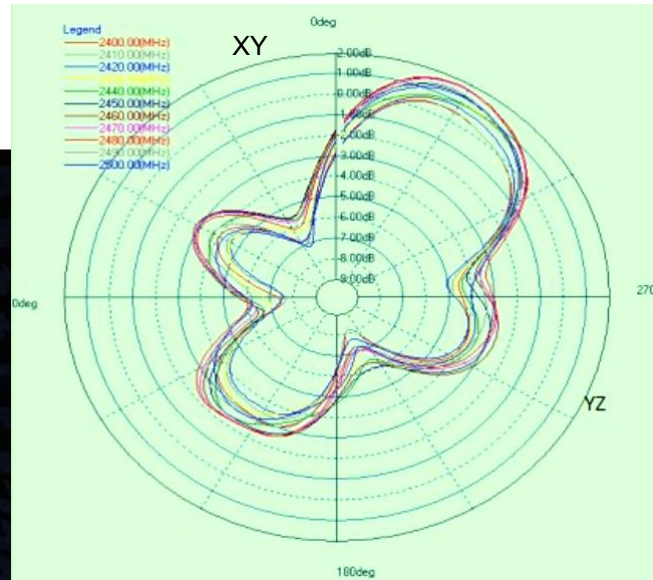
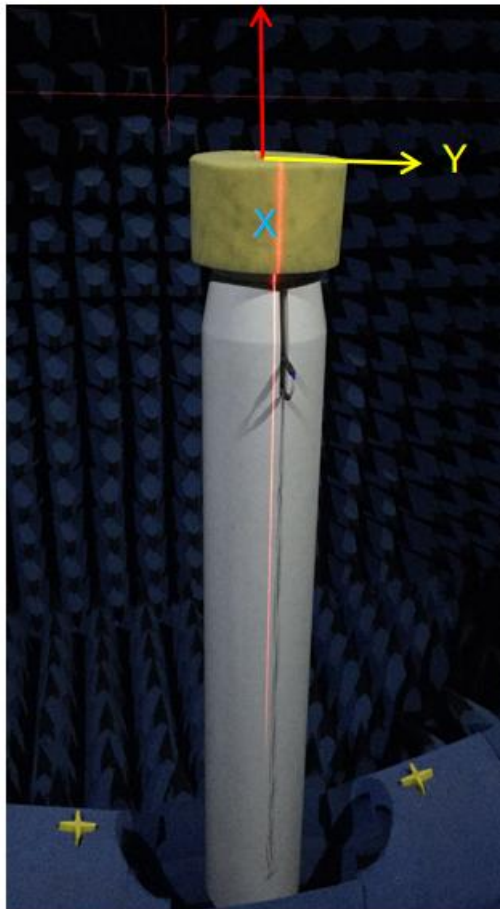
Test Setup



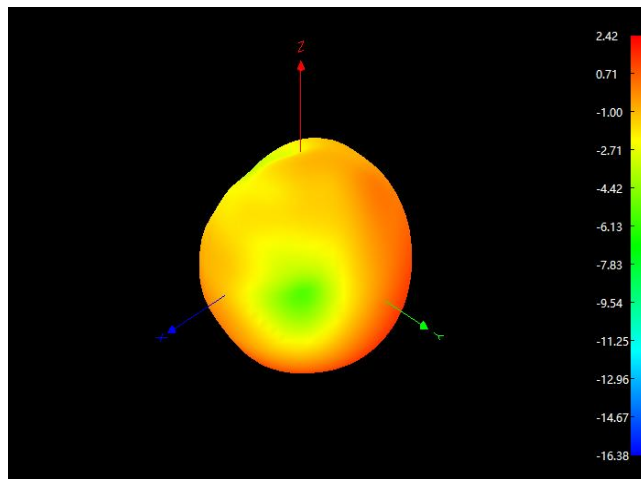
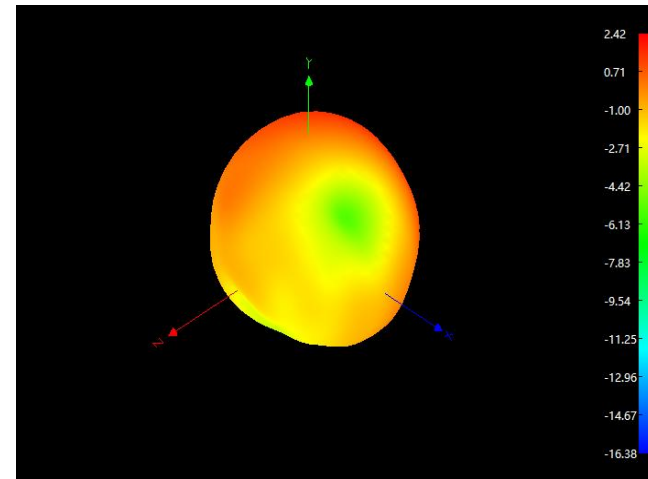
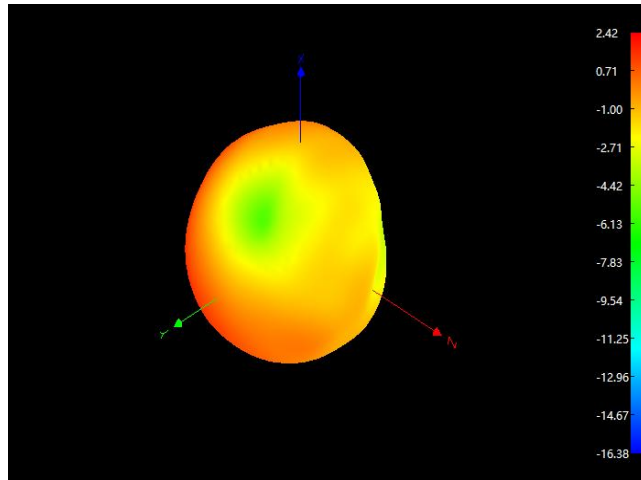
Antenna Size



2D



3D



Freq. (MHz)	Effi (%)	Gain (dBi)
2400	52.29	1.62
2410	52.17	1.71
2420	53.14	1.93
2430	54.16	1.98
2440	57.62	2.00
2450	59.64	2.17
2460	61.55	2.45
2470	60.64	2.38
2480	62.86	2.54
2490	59.85	2.30
2500	60.41	2.49