



深圳市凯普深通讯科技有限公司

Shenzhen cape deep communication technology co., LTD

Antenna Specification

Client: Tugao

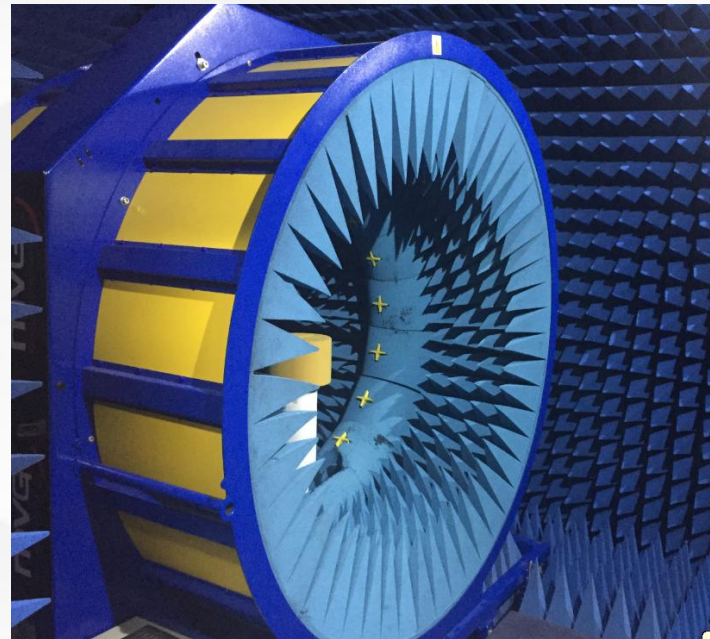
Project Name: HP11

RF Engineer: CHANGXING JIANG

Date: 2026-7-28



Laboratory Test Environment and Equipment



Test Items	Test Equipment
S11、S12、VSWR、LOSS	Network Analyzer E5071B、E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16 Anechoic Chamber, GP7*4*3 Anechoic Chamber、E5071B
TRP、TIS	Satimo SG16 Anechoic Chamber, GP7*4*3 Anechoic Chamber、8960、CMW500 、MT8820C、E4438C、



Gain

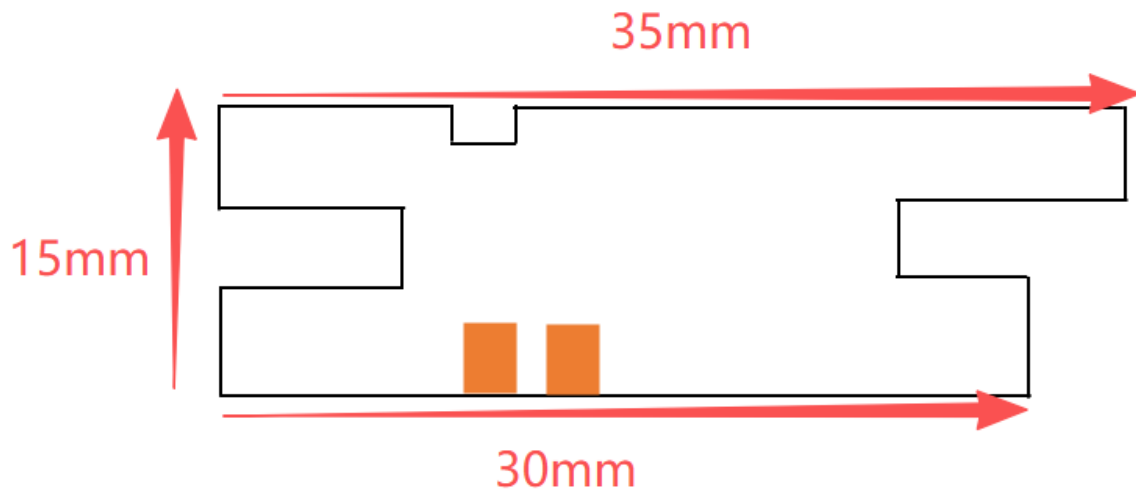
Antenna Gain (GAIN)

	GAIN(dBi)		GAIN(dBi)
B1	-0.89	W1	-0.89
B2	-0.36	W2	-0.36
B3	-0.53	W4	-0.47
B4	-0.47	W5	-3.55
B5	-3.55	W8	-3.89
B7	-1.13	G2	-0.36
B8	-3.89	G3	-0.53
B12	-3.71	G5	-3.55
B17	-3.83	G8	-3.89
B20	-3.17	GPS	-1.63
B28	-3.78	WIFI2.4G	0.25
B66	-0.47	BT	0.25
B38	-1.09	WIFI 5.8G	0.73
B40	-0.28		
B41	-1.08		



Antenna Size

BT, WIFI, GPS ANT

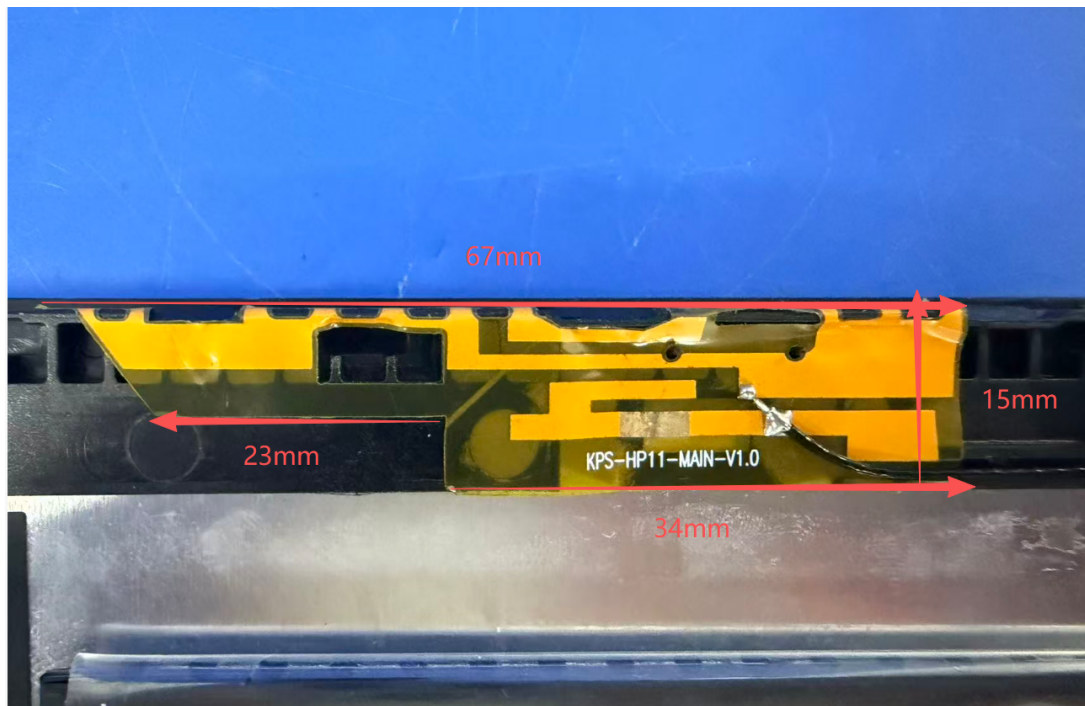


Antenna Type: PIFA



Antenna Size

WWAN ANT



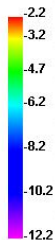
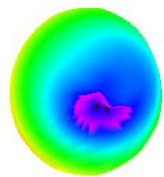
Antenna Type: PIFA



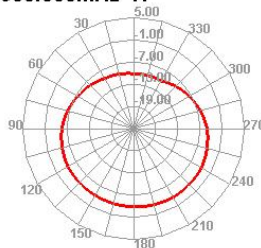
凯普深

Antenna Radiation Pattern

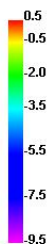
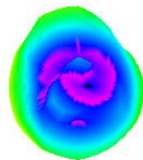
900.000MHz



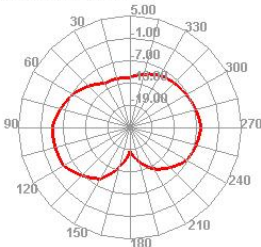
900.000MHz H



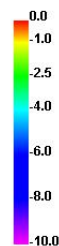
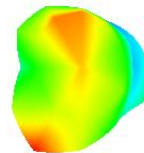
1900.000MHz



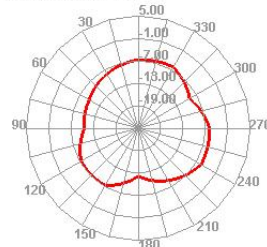
1900.000MHz H



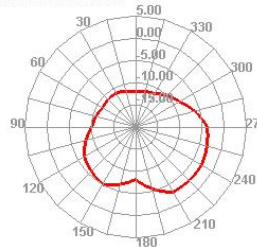
2500.000MHz



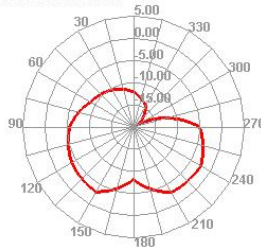
2500.000MHz H



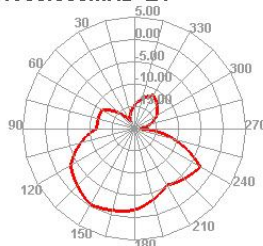
900.000MHz E1



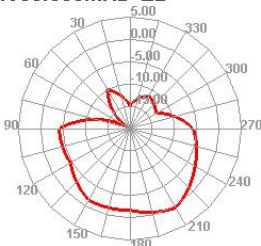
900.000MHz E2



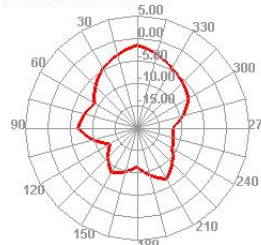
1900.000MHz E1



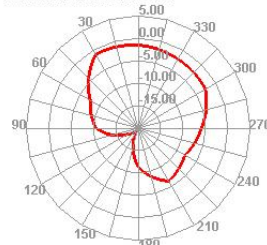
1900.000MHz E2



2500.000MHz E1



2500.000MHz E2

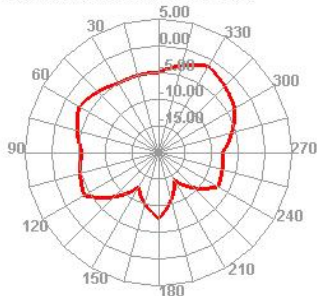




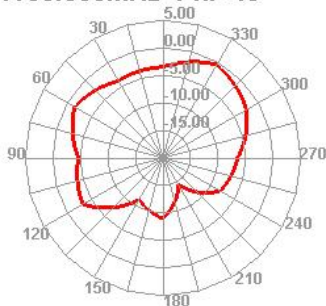
凯普深

Antenna Radiation Pattern

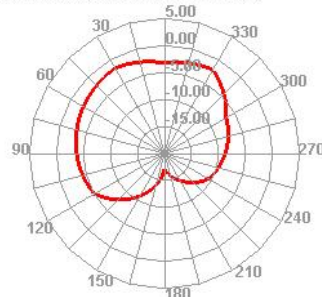
1550.000MHz Phi=45



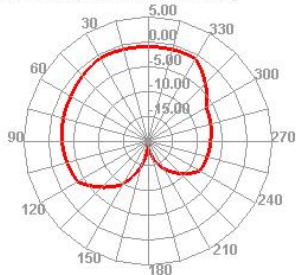
1600.000MHz Phi=45



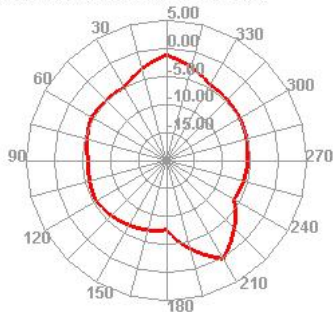
2400.000MHz Phi=45



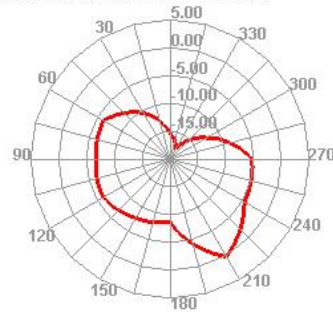
2500.000MHz Phi=45



5200.000MHz Phi=45



5900.000MHz Phi=45





Contact Information

Contact Information:

RF: Engineer

LiuTel: 15078573437

Address: 2nd Floor, Yulong Office Building, Longcheng
Industrial Zone, 440 Longguan Avenue, Longhua District



THE END

**Thank you for your
valuable comments!**