

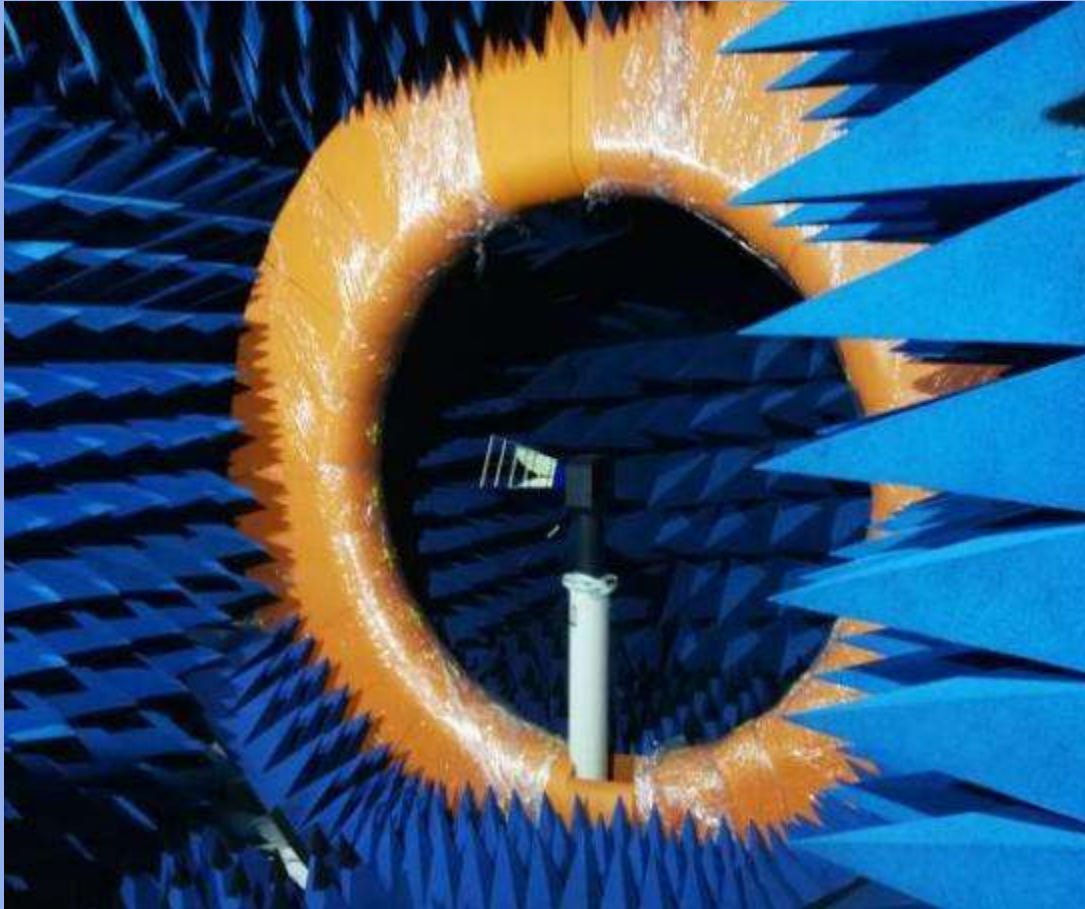


SHENZHEN DEWEIMA COMMUNICATION EQUIPMENT CO.,LTD

Antenna Report

Date:2023. 08. 22

Test Equipment



A 24-probe microwave chamber



R&S CMW500

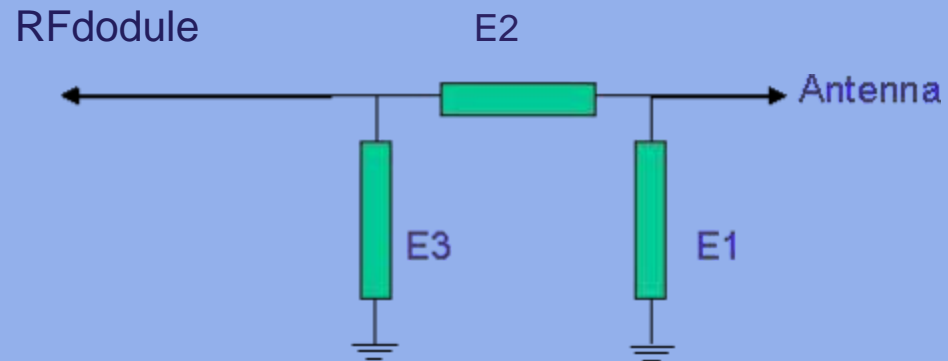


Agilent E5515C



Agilent Technologies E5071B

Antenna Switch and Matching Curcuit



Element	Value
E1(0201)	NC
E2(0201)	0Ω
E3(0201)	NC

Project information

1

Custom: SwellPro Technology Co., Ltd

2

Project: ANT-2.4GHz SRD(aircraft)

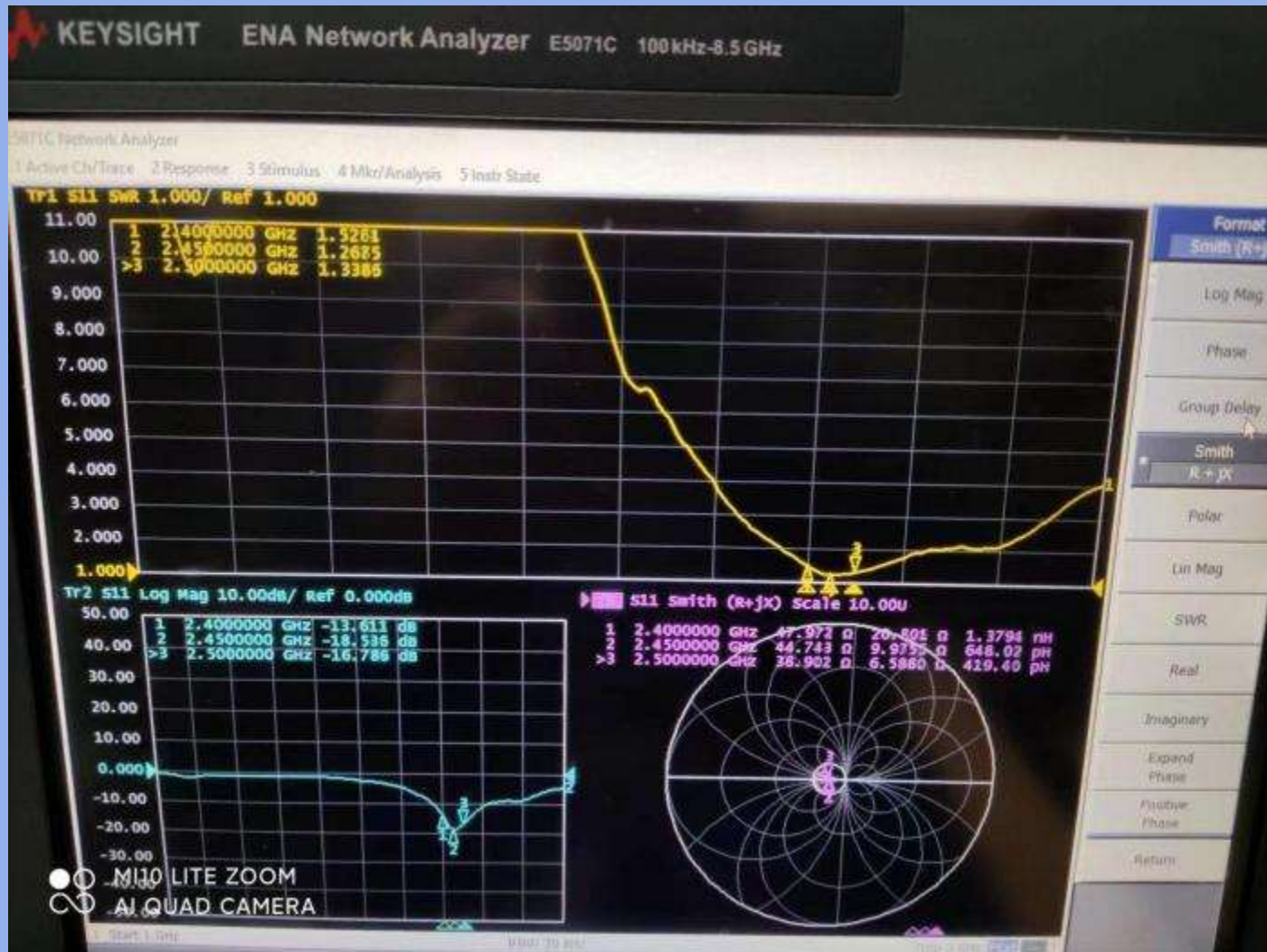
3

Frequency Band: 2400MHz~2500MHz

4

Antenna model: D424-0009-1

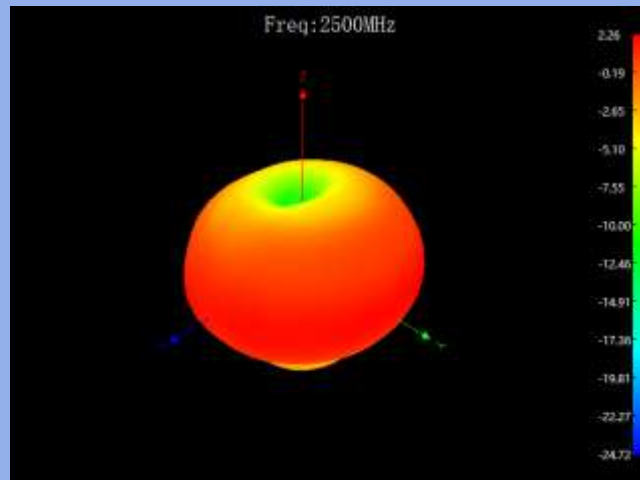
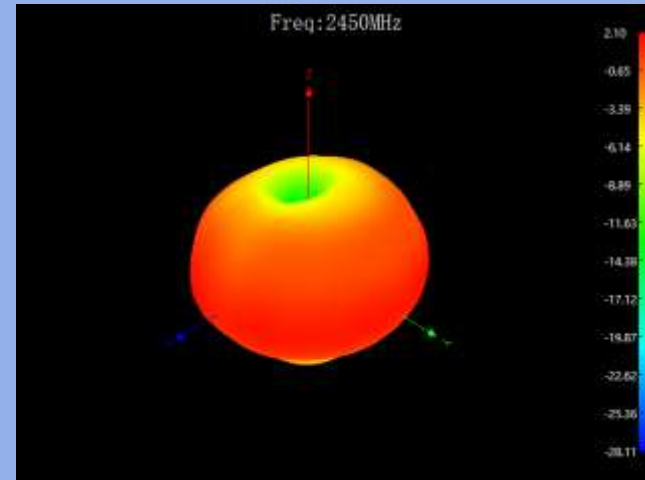
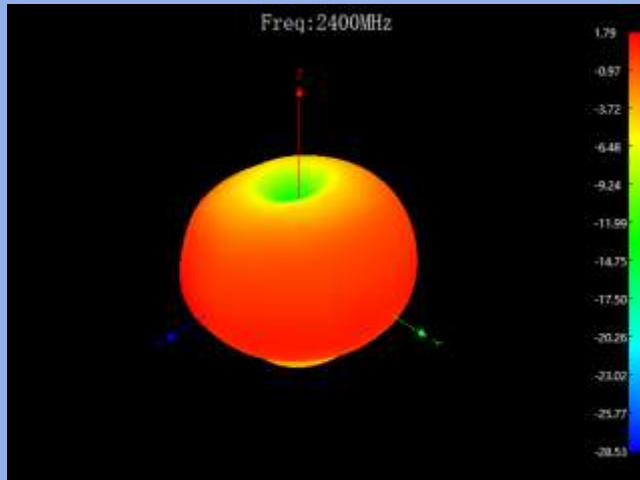
V_{swr}/Loss



Efficiency/Gain

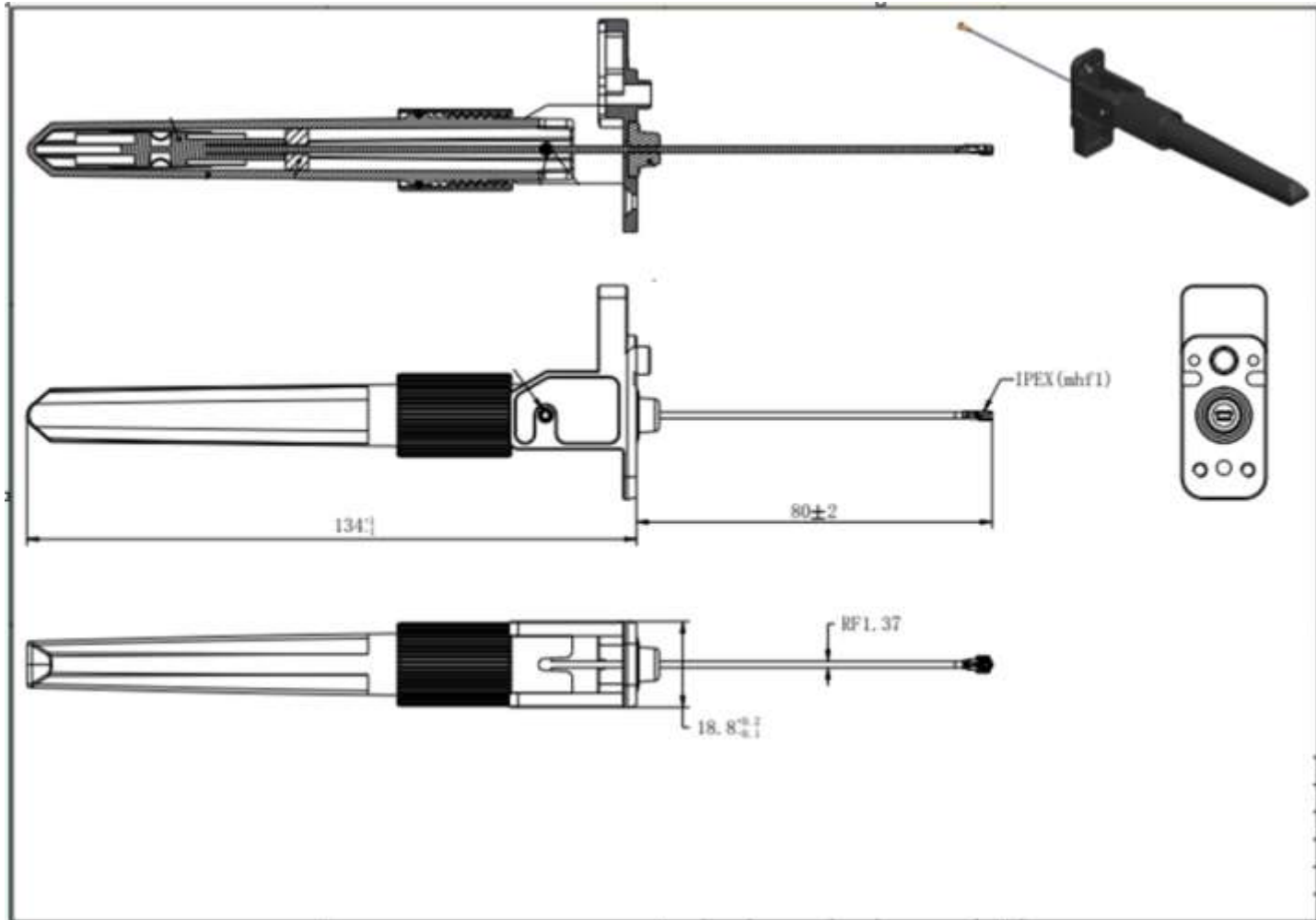
Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
2400	-1.03	63.89	1.79
2410	-1.07	64.72	1.92
2420	-0.83	68.6	2.12
2430	-0.78	63.56	1.89
2440	-0.82	62.79	1.81
2450	-0.63	66.5	2.1
2460	-0.55	68.1	2.24
2470	-0.59	67.3	2.16
2480	-0.38	71.62	2.09
2490	-0.23	74.84	2.12
2500	-0.36	72.04	2.26

3D Drawing





Antenna Size(mm)





Thank You !

manufacturer: Shenzhen Deweima Communication Equipment
CO.,Ltd

Address: Floor 3, 1# youyi Building , Chuangye Road 2, Part
23, Baoan, Shenzhen, China