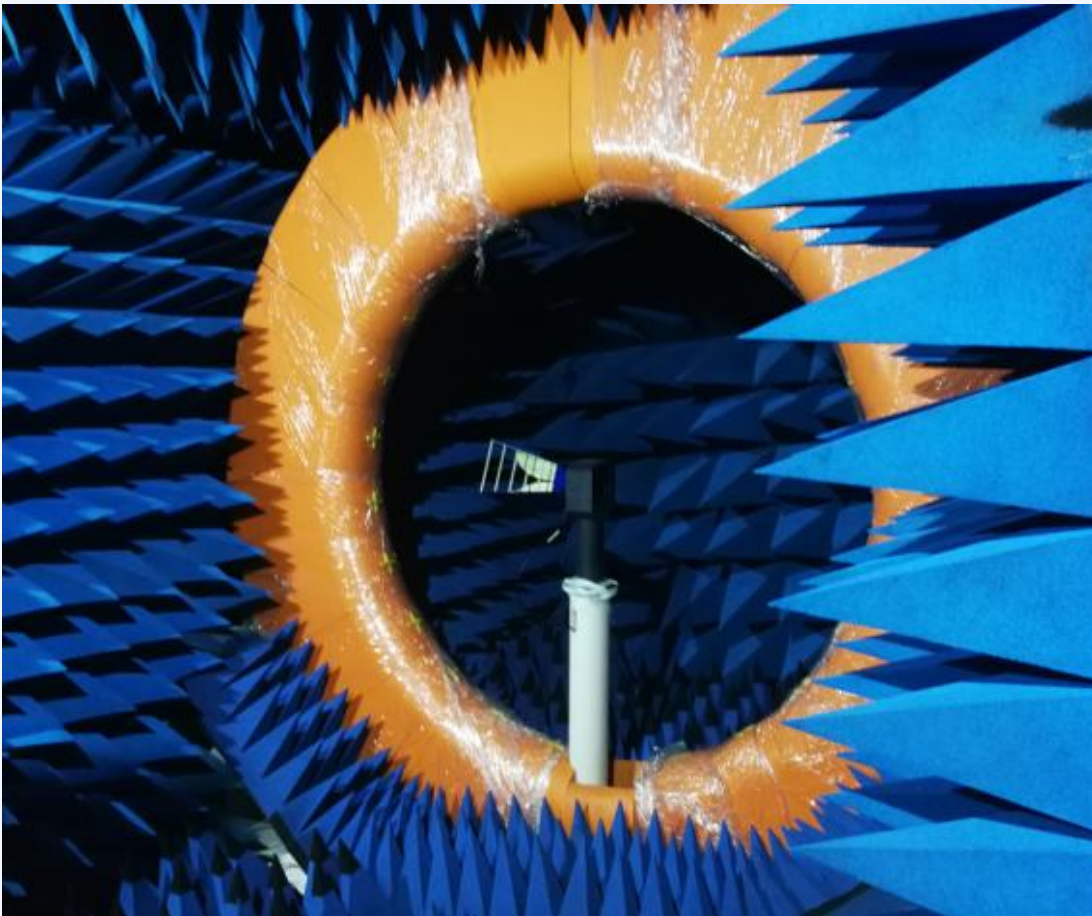


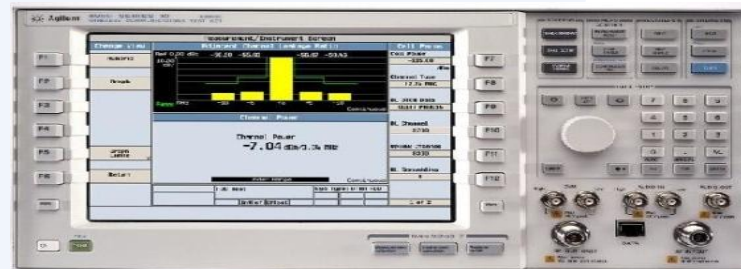
Test instruments and equipment



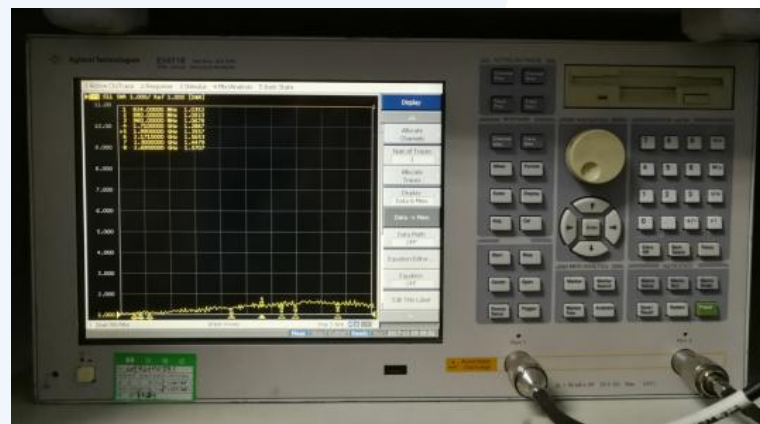
A 24-probe microwave chamber



R&S CMW500



Agilent E5515C



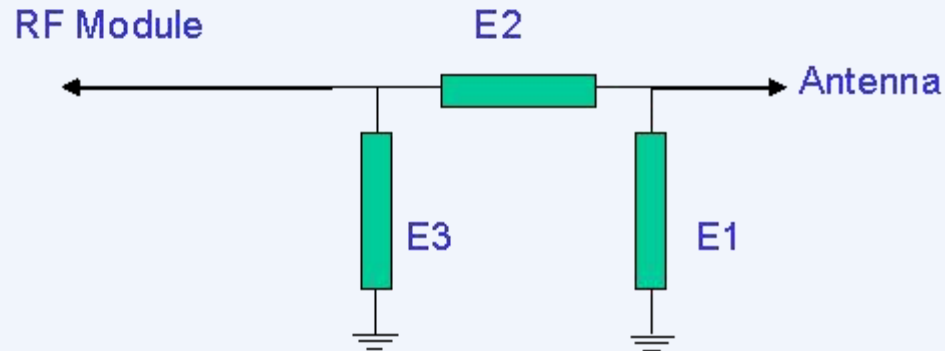
Agilent Technologies E5071B

Antenna project design and debugging instructions

Operating frequency band	2400MHz-2500MHz	Engineer		version	First edition
Diagram of the whole machine		Antenna matching circuitry			
		No change			
Remarks for the antenna of the whole machine		Matching instructions			
1. Bluetooth antenna: unipolar antenna 2. The matching circuit has not been changed		E1	NC		
		E2	0Ω		
		E3			
			NC		

Description of antenna switch and matching circuit

Our company has not modified the original matching circuit of the antenna

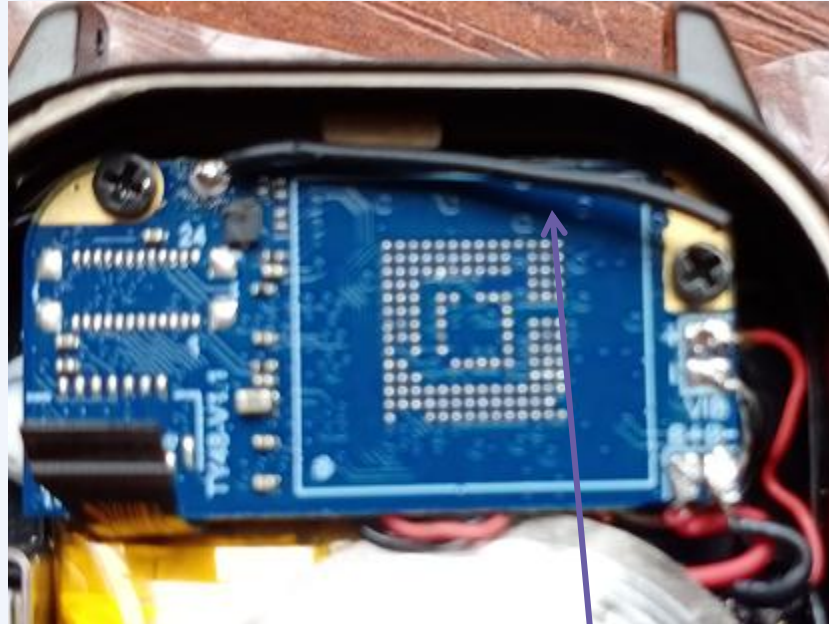


Element	Value
E1(0201)	NC
E2(0201)	0Ω
E3(0201)	NC

3D Test Repor

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	-0.03	8.51
2410	-0.56	9.12
2420	-0.27	10.02
2430	-0.46	10.62
2440	-1.38	10.38
2450	-1.25	10.98
2460	-1.11	8.83
2470	-1.19	8.71
2480	-1.36	7.43
2490	-1.47	7.34
2500	-2.5	7.5

Antenna assembly drawing



Bluetooth antenna