

Antenna Passive Test

Sample Picture

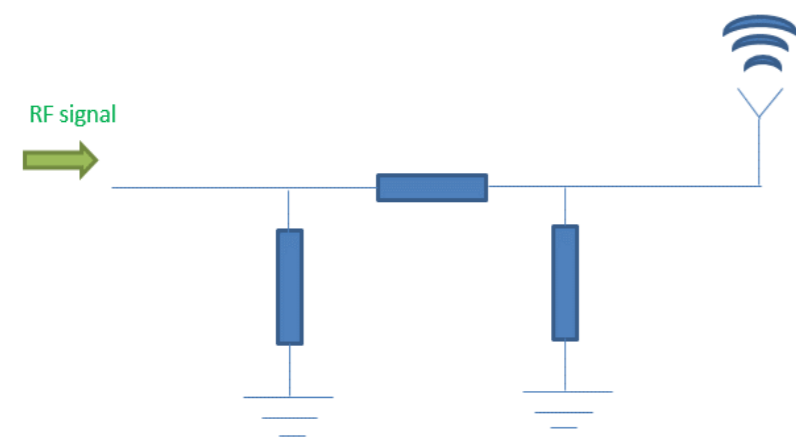


PCB ANT



Module: ESP32-C3-SOLO-1U

Antenna Matching

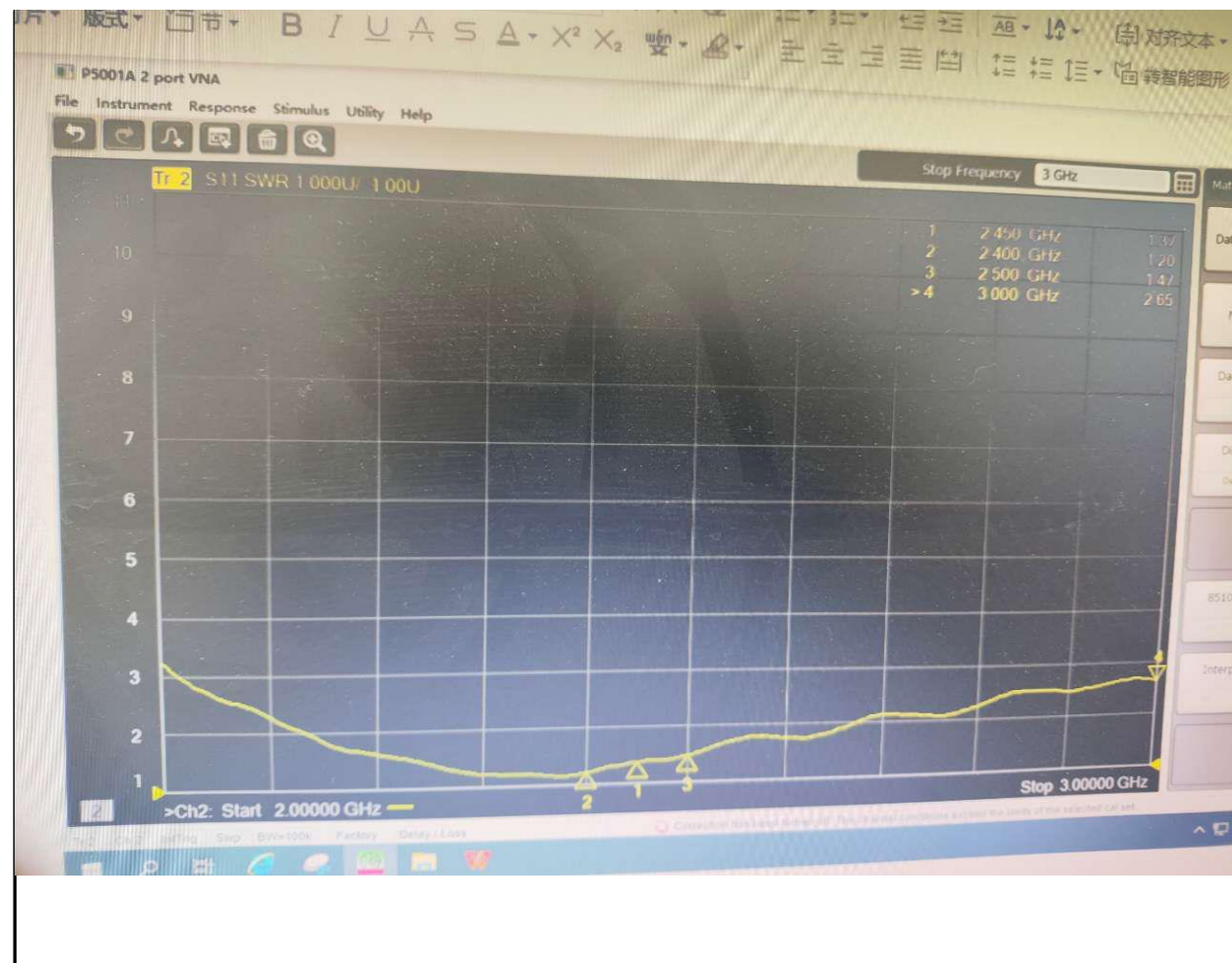


		Matching Component							
Item NO.									
Value									
Material code									

Passive Test Results

VNA Data

Chamber Data



Frequency (MHz)	Spec (%)	Spec (dB)	Gain (dBi)	Efficiency (%)	Efficiency (dB)	3D	$\theta = 90^\circ$ (XY Plane)
2400	25	-6.02	4.7	61.6	-2.1		
2410	25	-6.02	4.7	61.2	-2.1		
2420	25	-6.02	4.4	59.0	-2.3		
2430	25	-6.02	4.0	57.5	-2.4		
2440	25	-6.02	3.9	57.6	-2.4		
2450	25	-6.02	3.7	57.9	-2.4		
2460	25	-6.02	3.6	58.6	-2.3		
2470	25	-6.02	3.4	57.2	-2.4	$\phi = 0^\circ$ (XZ Plane)	$\phi = 90^\circ$ (YZ Plane)
2480	25	-6.02	3.2	56.8	-2.5		
2490	25	-6.02	3.1	55.6	-2.5		
2500	25	-6.02	3.0	56.1	-2.5		
MIN	25	-6.02	3.02	55.64	-2.55		
MAX	25	-6.02	4.70	61.56	-2.11		
AVG	25	-6.02	3.80	58.09	-2.36		