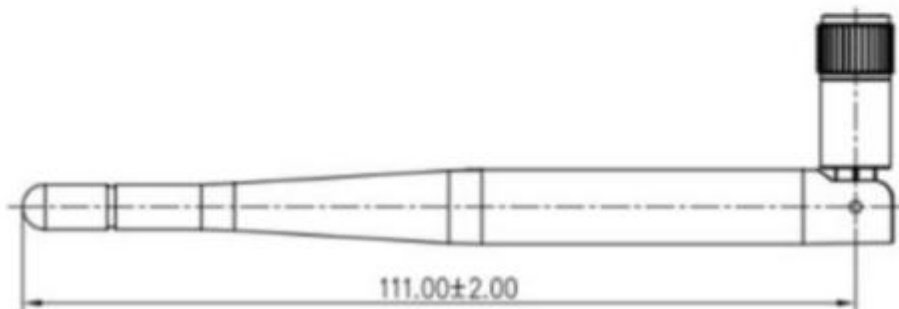
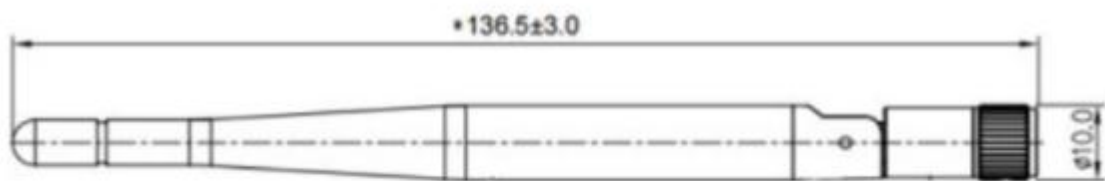


Antenna specification

1. Product photos and drawings



Manufacturer: Guangzhou Shirui Electronics Co.,Ltd.

Antenna Name: coaxial-Antenna

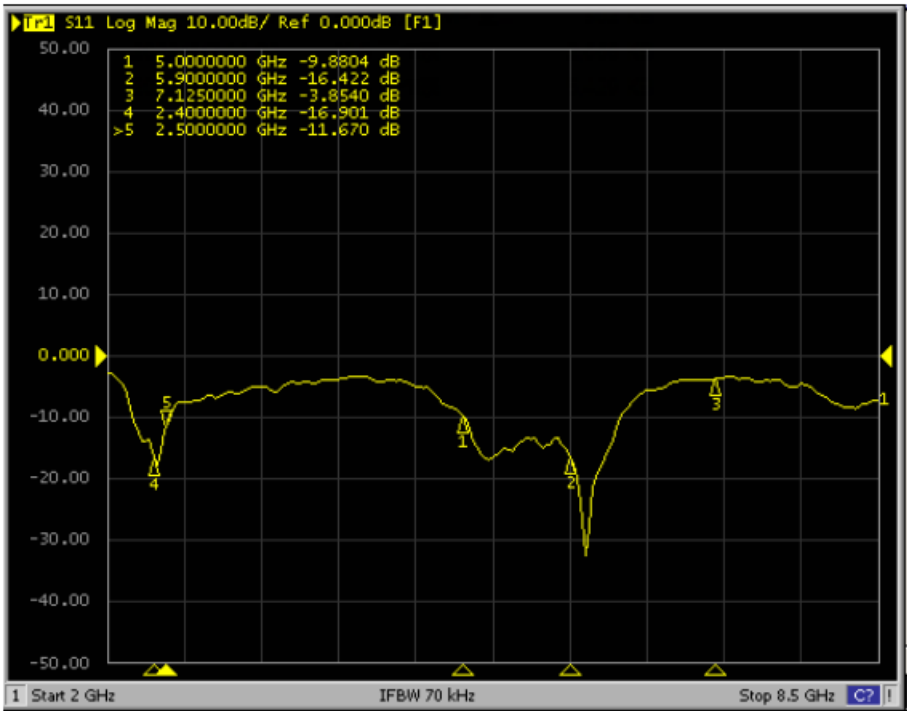
Model: RG178

1-1 Performance parameter

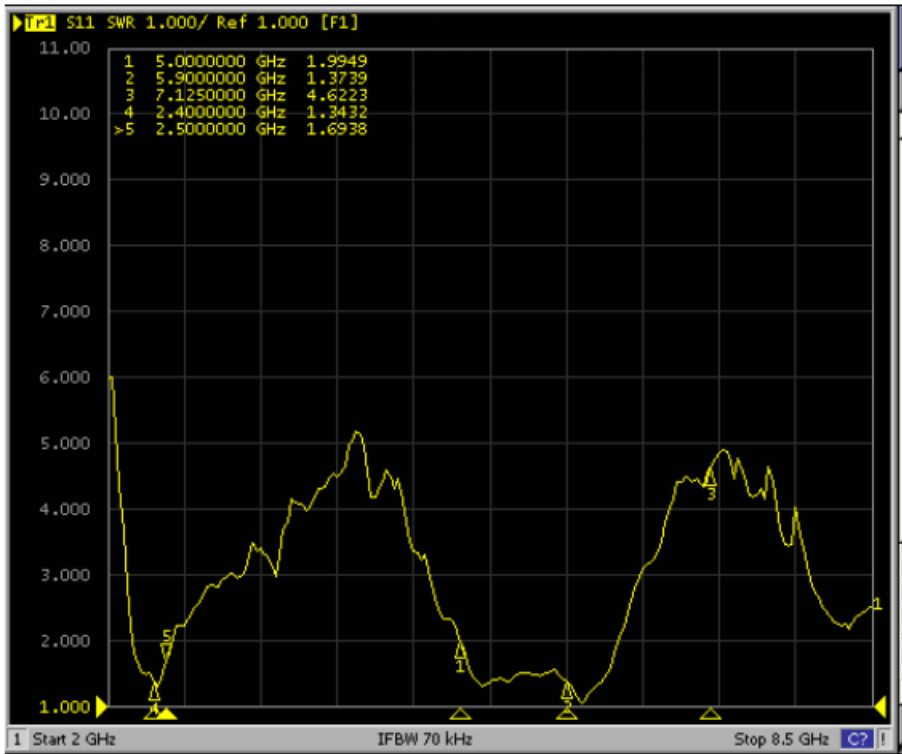
Electrical Parameter	
frequency range	2.4-2.5GHz 5.1-5.9GHz
Standing wave ratio	50Ω
power capacity	3dBi
on-off test	
Polarization Vertical	passageway
radiation direction	Linear
Connector	all-around
Mechanical Parameter	
Terminal holding force	/
Antenna material	copper
coaxial-cable	GR178
Salt Spray Test	24H
Enviromental Parameter	
Operating temperature	-30°C—65°C

2.Performance test(Single antenna free space)

S11



SWR



2-1.Antenna effeciency(Single antenna free space)

frequency 频率 (MHz)	gain 增益 (dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400	3.92	-1.21	75.66
2410	4.05	-1.18	76.13
2420	4.06	-0.95	80.43
2430	4.03	-0.75	84.09
2440	4.01	-0.88	81.65
2450	3.89	-0.88	81.74
2460	3.78	-0.68	85.55
2470	3.75	-0.76	83.95
2480	3.63	-0.87	81.77
2490	3.44	-0.91	81.08
2500	3.44	-1.10	77.62

frequency 频率 (MHz)	gain 增益 (dBi)	efficiency 效率(dB)	efficiency 效率(%)
5000	2.94	-1.59	69.3
5050	2.84	-1.51	70.63
5100	3.11	-1.32	73.86
5150	3.16	-1.13	77.07
5200	3.34	-1.31	73.89
5250	2.27	-1.9	64.62
5300	2.86	-2.11	61.56
5350	2.74	-1.94	63.95
5400	3.35	-1.36	73.14
5450	3.25	-1.21	75.74
5500	3.23	-1.33	73.54
5550	2.92	-1.7	67.61
5600	2.88	-1.67	68.1
5650	2.68	-1.58	69.56
5700	2.93	-1.45	71.68
5750	2.85	-1.74	66.99
5800	3.09	-1.78	66.45
5850	2.66	-2.06	62.22
5900	2.2	-2.59	55.13
5950	2.41	-2.55	55.58
6000	2.05	-2.59	55.06

2400-2500MHz

