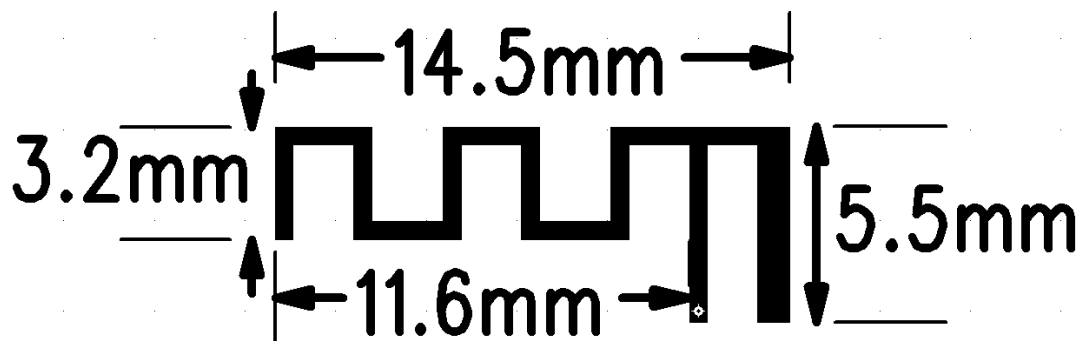


Inverted F Antenna Specification

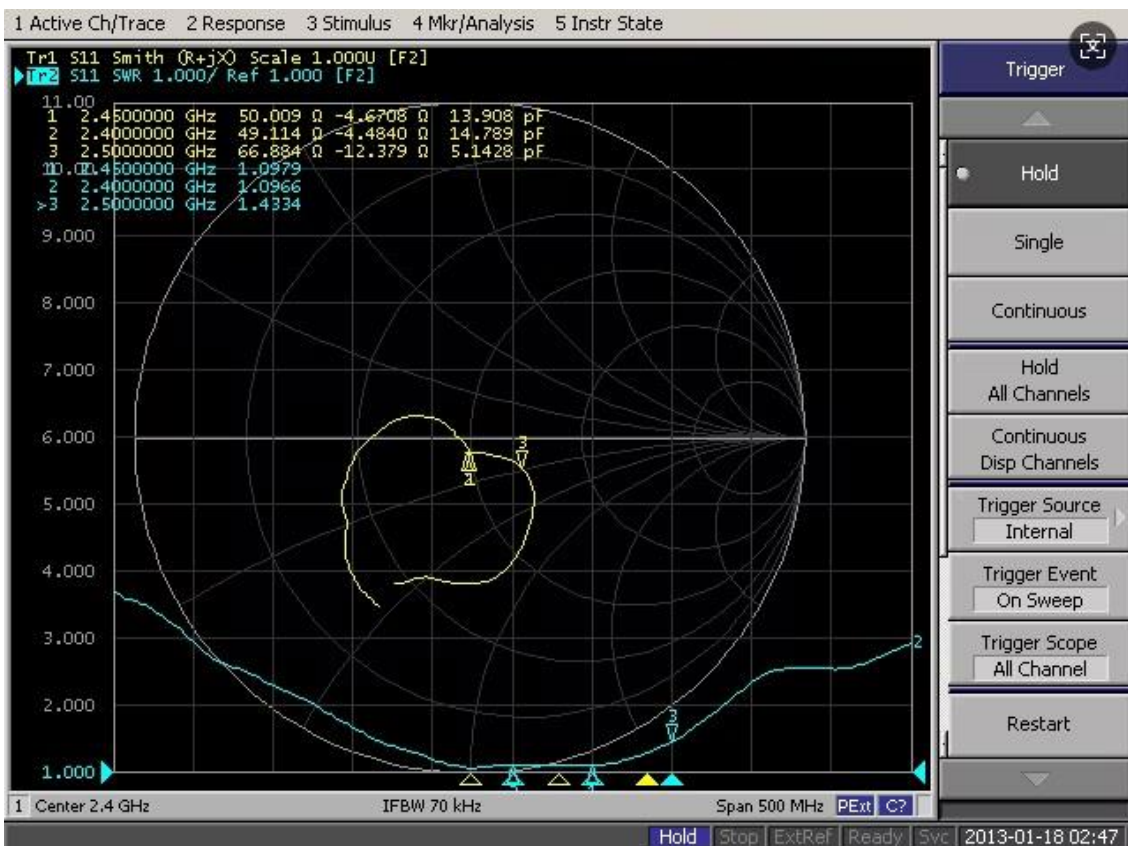
Summary

ITEM	ANT SPEC					
Model Name	2.4G ANT					
Center Frequency Gain	Horizontal			Vertical		
	2400MHz	2450MHz	2500MHz	2400MHz	2450MHz	2500MHz
	-0.45	-1.83	-2.48	-2.45	-3.15	-2.99
MAX. Gain	-0.45dBi					
Polarization	Horizontal and Vertical					
Azimuth Beam Pattern	Omni-directional					
Impedance	50 Ohm					
Manufacture	Shenzhen Tianpurui Technology Co., LTD					
Type	Inverted F					
Address	Wangye Industrial Park, Baotian 3rd Road, Xixiang, Bao 'an District, Shenzhen City					

Antenna Photo & Length (mm)



Antenna standing wave ratio and return loss



Gain, efficiency, radiation pattern

Frequency ID	10	11	12	13	14	15	16	17	18	19	20
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency (dBi)	-5.15	-5.31	-5.51	-5.62	-6.02	-6.37	-6.59	-6.79	-7.04	-7.07	-7.16
Gain (dBi)	-0.45	-0.62	-0.79	-0.85	-1.38	-1.83	-2.10	-2.35	-2.48	-2.46	-2.24
Efficiency (%)	30.54	29.45	28.11	27.42	25.03	23.04	21.92	20.95	19.77	19.64	19.24
Directivity (dB)	4.70	4.69	4.72	4.77	4.64	4.55	4.49	4.44	4.56	4.61	4.92
Peak Gain Position (Theta)	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	30.00
Peak Gain Position (Phi)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	330.00
Efficiency ThetaPol (%)	21.55	20.70	19.67	18.99	17.19	15.56	14.62	13.69	12.72	12.28	11.78
Efficiency PhiPol (%)	8.99	8.76	8.44	8.42	7.84	7.48	7.30	7.26	7.05	7.36	7.46
Upper Hem. Efficiency (%)	14.29	13.73	13.02	12.58	11.41	10.49	10.03	9.70	9.30	9.43	9.50
Lower Hem. Efficiency (%)	16.25	15.72	15.09	14.84	13.62	12.56	11.89	11.25	10.47	10.21	9.75

