

Shenzhen Jiebixin Industrial Co., Ltd.

Add: No. 708, Fu Yuan Building, Building 1, Fu Yuan Industrial Zone, Fen Wen Road, District 45, Xin'an Street, Bao'an District, Shenzhen City

MULTILAYER CERAMIC ANTENNA
(WAN097030JD251SN03)

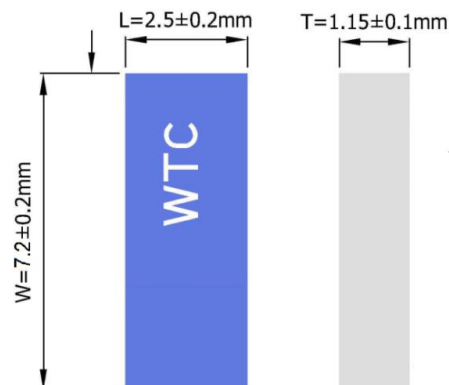
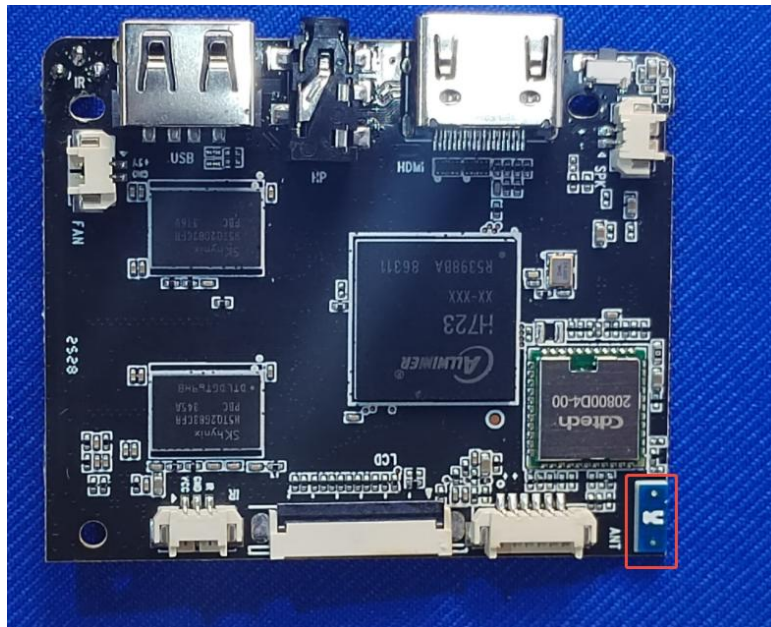
Product specifications acknowledgment

Manufacturer: Shenzhen Jiebixin Industrial Co., Ltd.

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一、Antenna picture & Antenna size



二、Product features

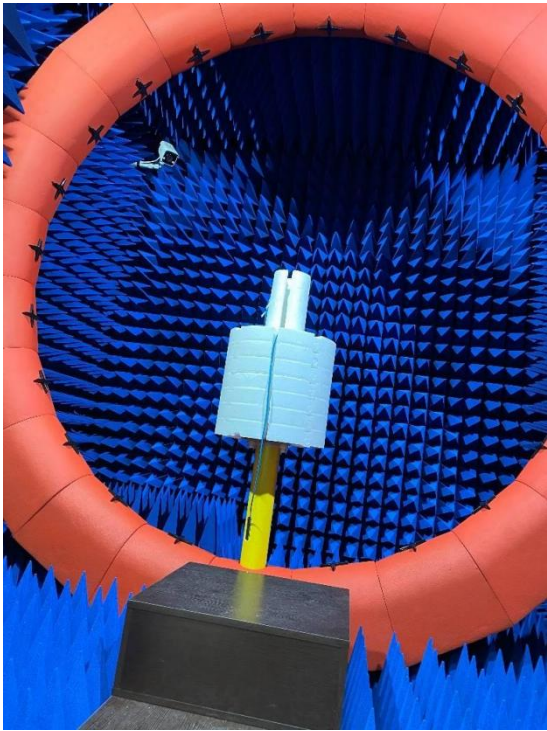
1. Surface Mounted Devices with a small dimension of 7.2 x 2.5 x 1.15 mm meet future miniaturization trend.
2. Embedded and LTCC (Low Temperature Co-fired Ceramic) technology is able to future integrate with system design as well as beautifying the housing of final product.
3. High Stability in Temperature / Humidity Change

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三、Product parameters

Name CERAMIC ANTENNA		Model Type WAN097030JD251SN03	
Frequency Range	2400-2500、 5150-5850MHz	Dimensions	7.2 x 2.5 x 1.15 mm
Impendence	50 ohm	Material	LTCC
Working Temperature	-40℃--+85℃	Limit Temperature	-40℃--+85℃
Gain	≤3dBi	VSWR	≤3

四、Test environment



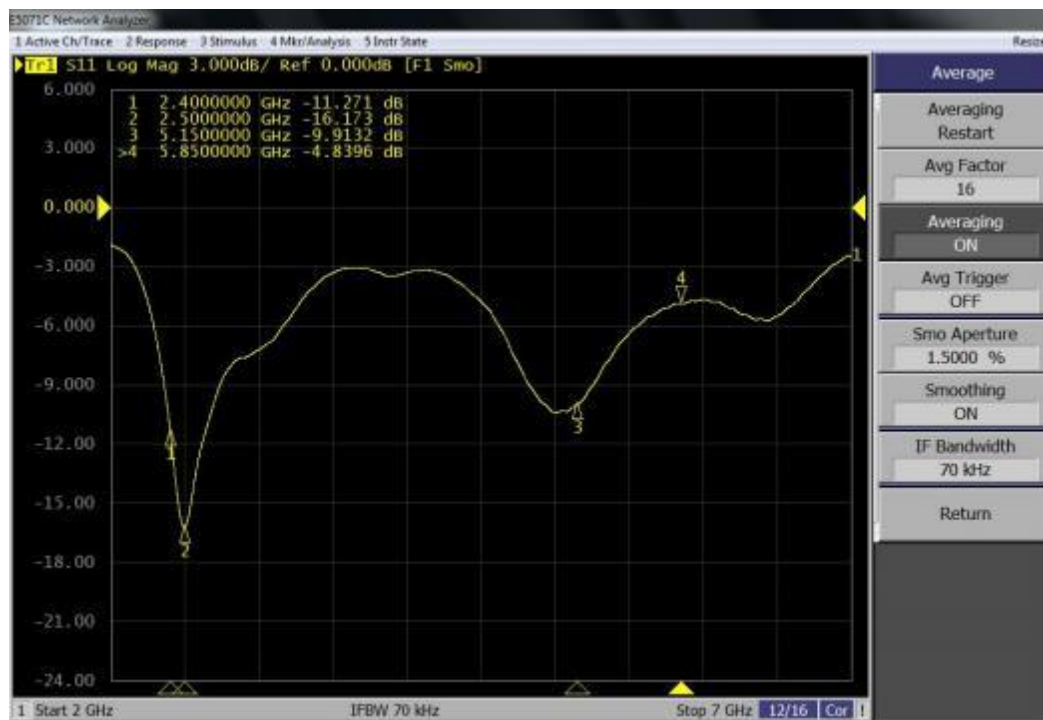
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5、Antenna data

5.1、Passive test data

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0				
Gain (dBi)	0.03	0.00	0.29	0.62	0.75	1.00	1.02	1.00	0.99	0.97	0.94				
Efficiency (%)	40.94	41.67	42.46	43.43	43.94	45.12	45.86	46.41	46.23	45.47	44.07				
Frequency (MHz)	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
Gain (dBi)	1.24	1.73	1.67	1.91	1.82	1.87	2.72	1.93	1.88	1.43	1.43	2.51	2.91	2.46	2.27
Efficiency (%)	41.79	42.61	44.63	46.20	43.22	47.10	47.67	42.28	44.38	44.09	42.82	45.78	45.55	44.75	46.81

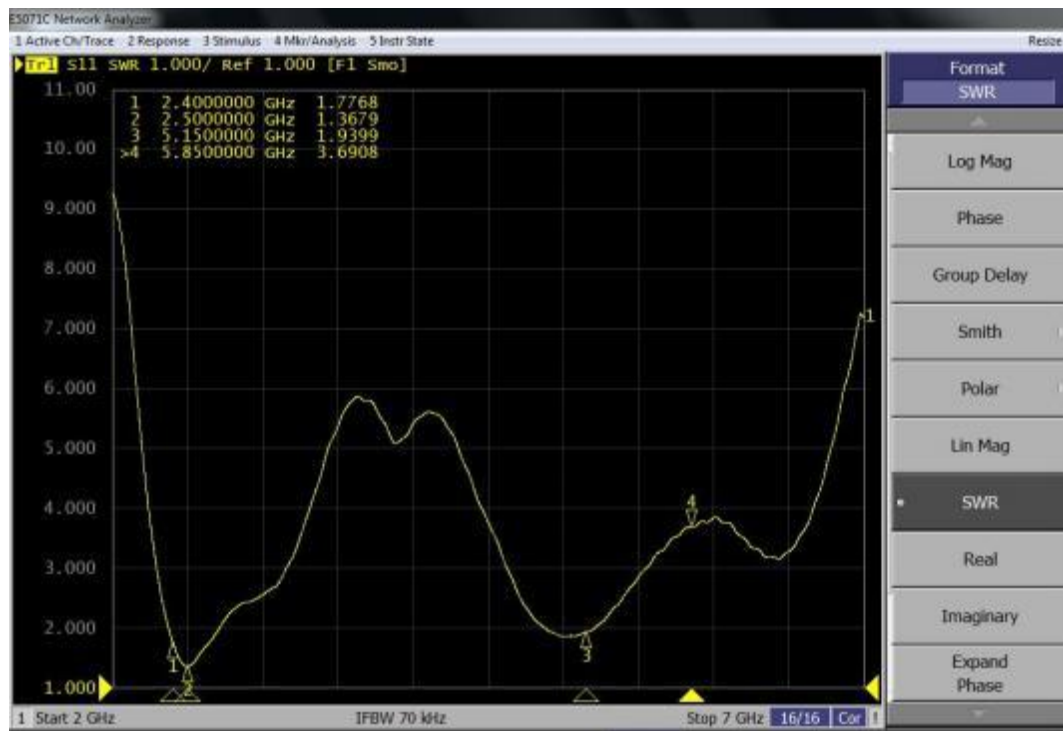
5.2、Return loss graph



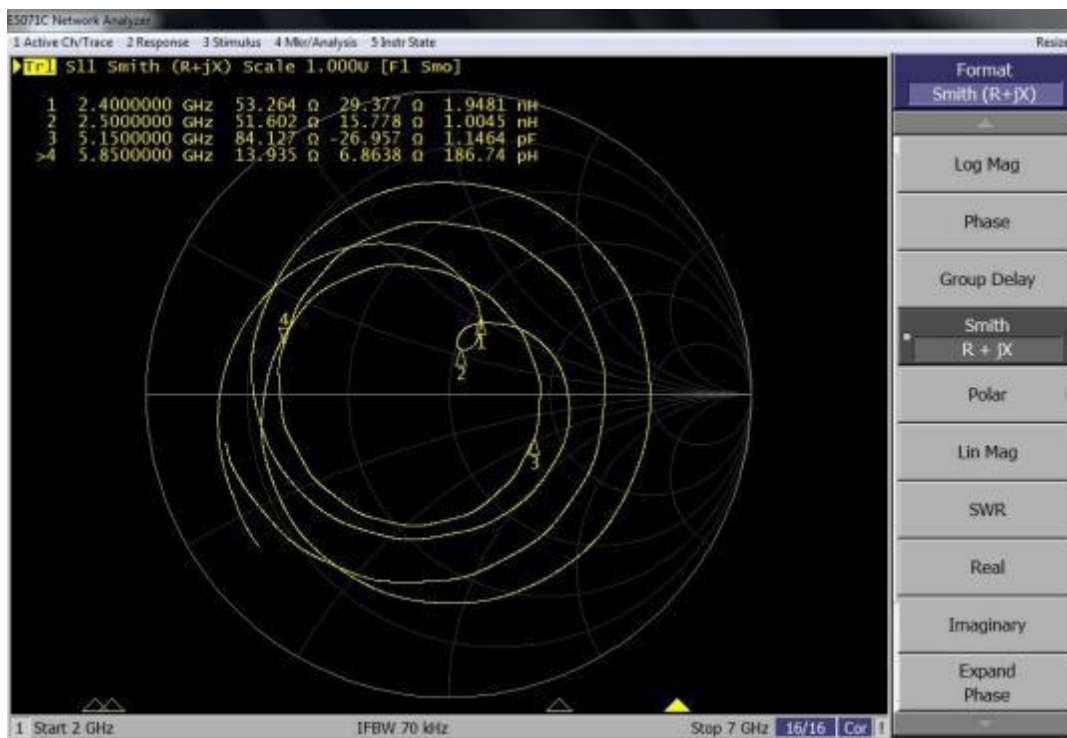
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5.3、Voltage Standing Wave Ratio



5.4、Impedance diagram



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5.4、Apple Picture

