

SPECIFICATION

Shenzhen Guandetong Electronic Limited

Antenna specification

Antenna manufacturer:

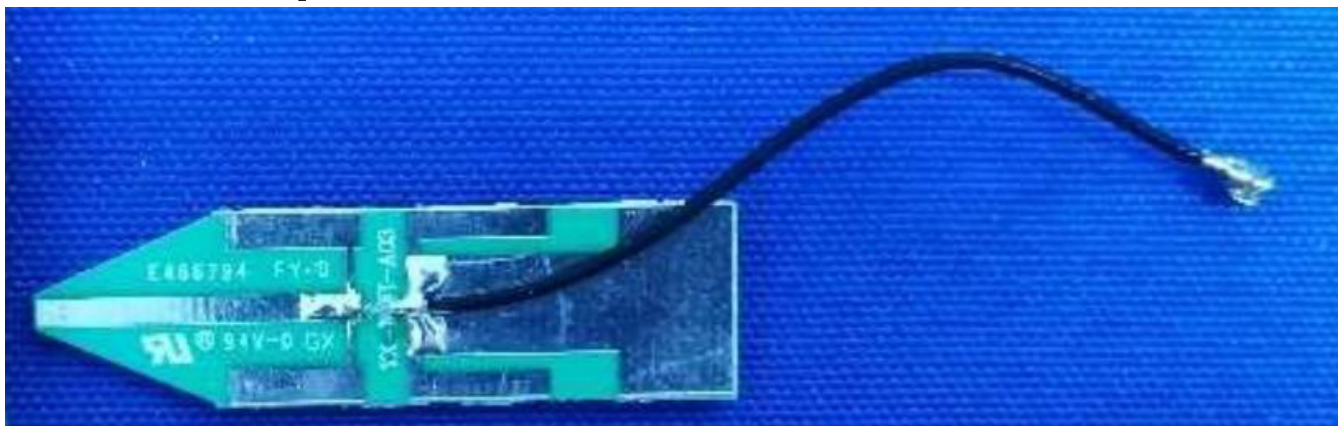
Shenzhen Shi Xin Er Mei Guang Dian Ke Ji You Xian Gong Si

Shenzhen Shi Long Hua Qu Long Hua Jie Dao Qing Hua She Qu Mei Long Da Dao 2203 Hao Da Tang
Shi Dai Shang Ye Zong He Lou 3 Ceng D-301 Shi

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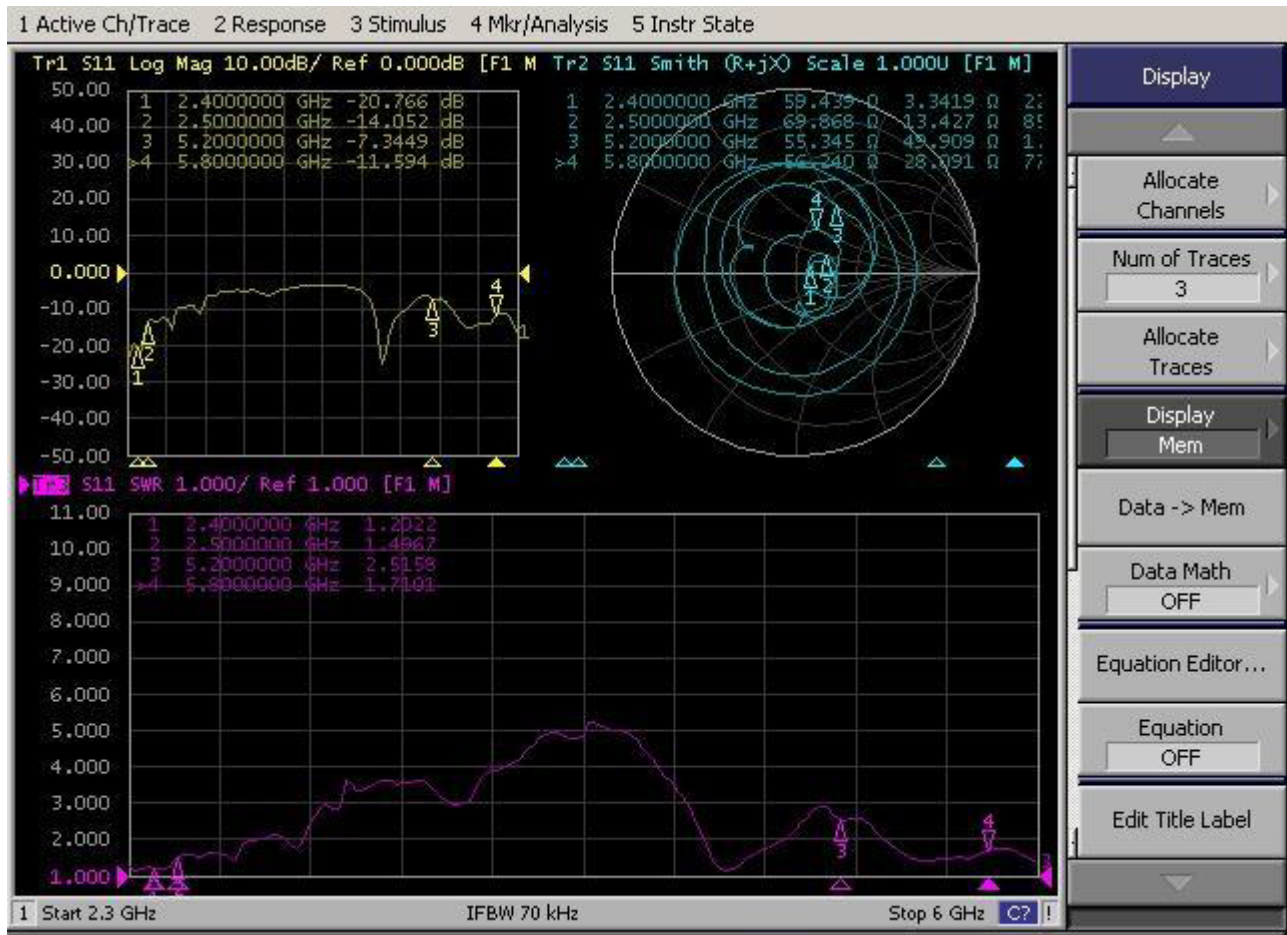
1. Product pictures



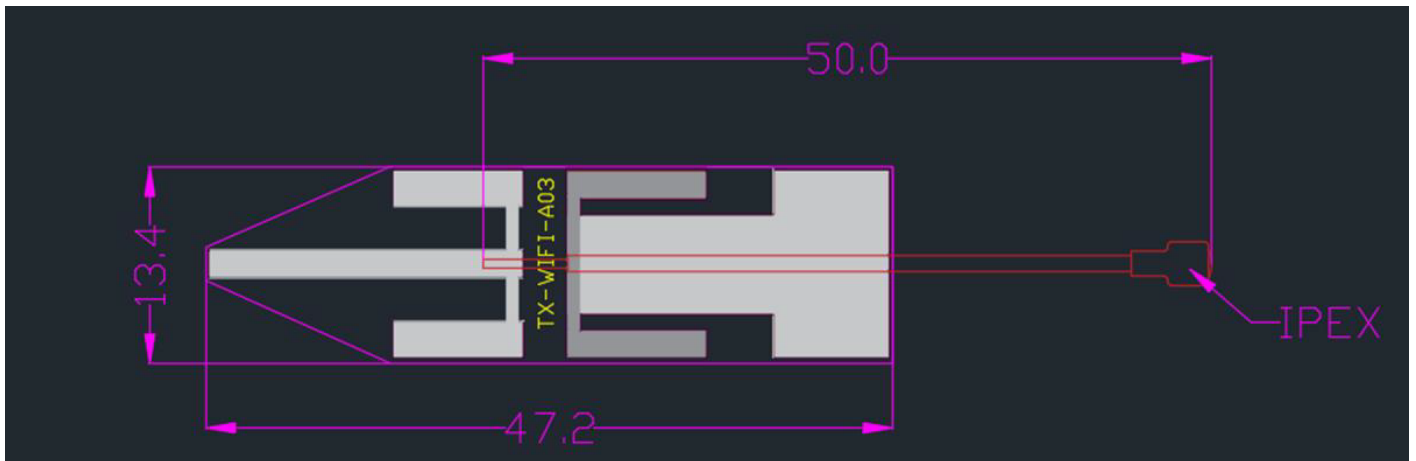
2. Product parameters

Product parameters			
Name	FPC Antenna	Model Type	GDT-2PWIFI-001
Electrical Specifications			
Frequency Range	2400-2500MHz	Polarization	perpendicular
Impedance	50 Ω	Radiation direction	omnidirectional
VSWR	≤ 2	Power	50W
Gain	3.08dBi	Bandwidth	100/600MHz
Mechanical Specifications			
Dimensions	47.2*13.4 $\pm$ 1mm	Chassis Color	black
Connector	IPEX	Cable Length	60MM
Chassis Material	FPC		
Working Temperature	-40 $^{\circ}$ C--+85 $^{\circ}$ C	Limit Temperature	-40 $^{\circ}$ C--+85 $^{\circ}$ C

3. S11 (VSWR 、 Return loss 、 Smith)



4. Antenna Dimension



5. Radiation Pattern

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dBi)	Efficiency (%)	Efficiency (dB)	Max (dBm)	Theta of Max	Phi of Max	Min (dBm)	Theta of Min	Phi of Min	AVG (dBm)	Max/Min (dB)	Max/AVG (dB)	Min/AVG (dB)
1	2400.0	2400.00	2.14	5.51	46.0%	-3.37	2.14	135	60	-95.99	0	0	-3.04	98.13	5.18	-92.95
2	2410.0	2410.00	2.25	5.82	44.0%	-3.57	2.25	135	60	-95.99	0	0	-3.02	98.24	5.27	-92.97
3	2420.0	2420.00	2.54	6.12	43.9%	-3.58	2.54	135	60	-95.99	0	0	-2.79	98.53	5.33	-93.20
4	2430.0	2430.00	3.08	6.30	47.6%	-3.22	3.08	135	60	-95.99	0	0	-2.30	99.07	5.38	-93.69
5	2440.0	2440.00	2.77	6.27	44.7%	-3.50	2.77	135	60	-95.99	0	0	-2.66	98.76	5.43	-93.33
6	2450.0	2450.00	2.69	6.34	43.1%	-3.65	2.69	135	60	-95.99	0	0	-2.83	98.68	5.52	-93.16
7	2460.0	2460.00	2.66	6.41	42.2%	-3.75	2.66	135	60	-95.99	0	0	-2.95	98.65	5.61	-93.04
8	2470.0	2470.00	2.53	6.29	42.1%	-3.76	2.53	135	60	-95.99	0	0	-3.18	98.52	5.71	-92.81
9	2480.0	2480.00	2.22	6.00	41.9%	-3.78	2.22	135	60	-95.99	0	0	-3.60	98.21	5.82	-92.39
10	2490.0	2490.00	2.04	6.05	39.7%	-4.01	2.04	135	60	-95.99	0	0	-3.92	98.03	5.96	-92.07
11	2500.0	2500.00	1.74	6.02	37.3%	-4.28	1.74	135	60	-95.99	0	0	-4.27	97.73	6.00	-91.72

