

ANTENNA SPECIFICATION

Product description: 2.4G FPC Antenna

Uni Link's part number: GDT-SL-081-30

Issue Date: 2023-05-22

Note: 2400-2500MHz

Manufacturer: Shenzhen Guandetong Electronic Co., Ltd

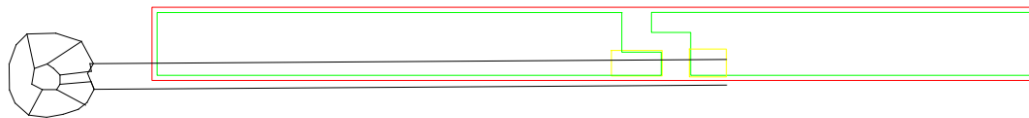
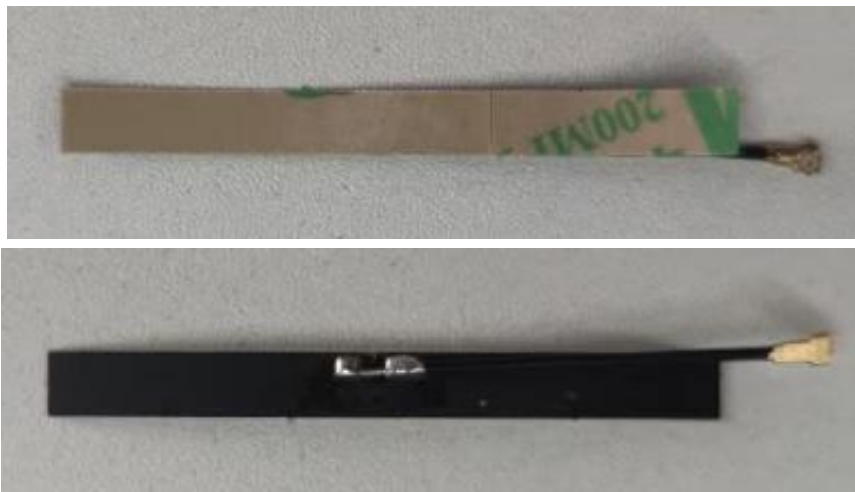
Address: 3rd floor, Building D, South Maoyuan Industrial Park, Guanhu Street, Longhua District, Shenzhen

1、 (PRODUCT TECHNICAL SPECIFICATION)

Electrical Specifications	
Frequency Range (MHz)	2400-2500
Input Impedence (Ω)	50
V.S.W.R	≤ 2
Gain (dBi)	2.82
Polarization Type	Vertical
Power Capacity (w)	2
Mechanical Specifications	
Antenna Length (mm)	47mm
Radiator	Cuprum
Connect Type	IPEX-3

Working Temp(°C)	-10~40
Storage Temperature(°C)	-40~85
antenna size	43.49*4.14mm
Weight (g)	3

2、PRODUCT PICTURE

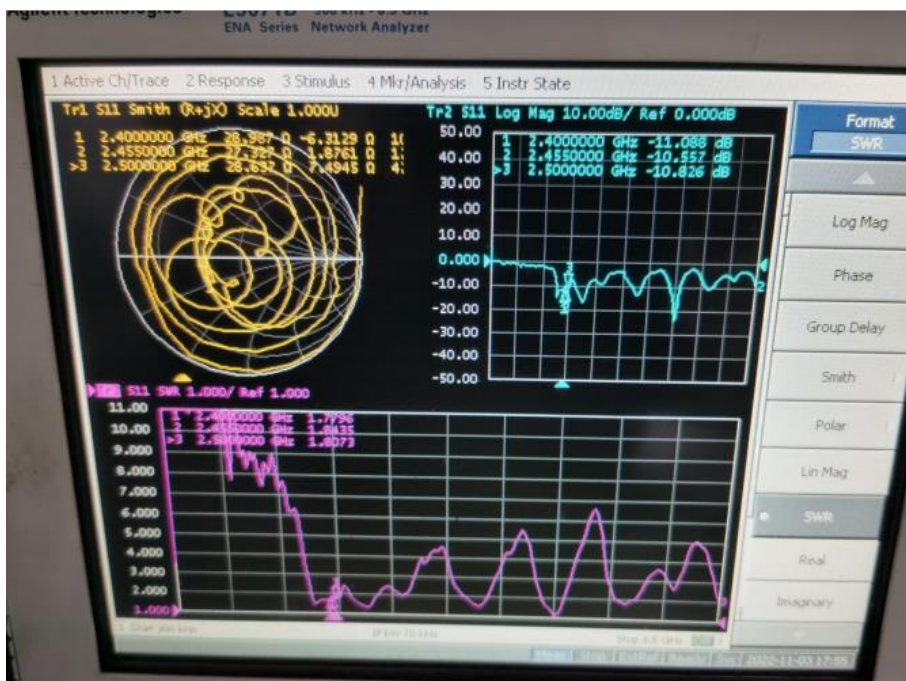


3、PRODUCT SPECIFICATION CHART





4、 Image of antenna field shape test



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	1.77	6.22	35.9%	-4.45	1.77	15	225	-95.99	0	0	-3.72	97.76	5.49	-92.27
2	2410.0	2410.00	1.88	6.49	34.6%	-4.61	1.88	15	225	-95.99	0	0	-3.66	97.87	5.54	-92.33
3	2420.0	2420.00	2.16	6.78	34.5%	-4.62	2.16	15	225	-95.99	0	0	-3.41	98.15	5.57	-92.58
4	2430.0	2430.00	2.82	6.92	38.9%	-4.10	2.82	15	225	-95.99	0	0	-2.75	98.81	5.57	-93.24
5	2440.0	2440.00	2.47	6.87	36.4%	-4.39	2.47	15	225	-95.99	0	0	-3.11	98.46	5.58	-92.88
6	2450.0	2450.00	2.29	6.80	35.4%	-4.51	2.29	15	225	-95.99	0	0	-3.26	98.28	5.55	-92.73
7	2460.0	2460.00	2.26	6.77	35.4%	-4.50	2.26	15	270	-95.99	0	0	-3.29	98.25	5.55	-92.70
8	2470.0	2470.00	2.11	6.55	35.9%	-4.45	2.11	15	255	-95.99	0	0	-3.46	98.10	5.57	-92.53
9	2480.0	2480.00	1.81	6.20	36.4%	-4.39	1.81	15	255	-95.99	0	0	-3.81	97.80	5.62	-92.18
10	2490.0	2490.00	1.47	6.00	35.2%	-4.54	1.47	15	255	-95.99	0	0	-4.03	97.46	5.50	-91.96
11	2500.0	2500.00	1.17	5.88	33.8%	-4.71	1.17	15	255	-95.99	0	0	-4.28	97.16	5.45	-91.71
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