antenna SPECIFICATION

Product description: 2.4G PCB Antenna

Uni Link’s part number: ANTENNA-2400

Issue Date: 2022-12-09

Note: 2400-2500MHZ

Manufacturer: Shenzhen Sonoff Technologies Co.,Ltd.

Address: 3F & 6F, Bldg A, No. 663, Bulong Rd, Shenzhen, Guangdong, China

1、（PRODUCT TECHNICAL SPECIFICATION）

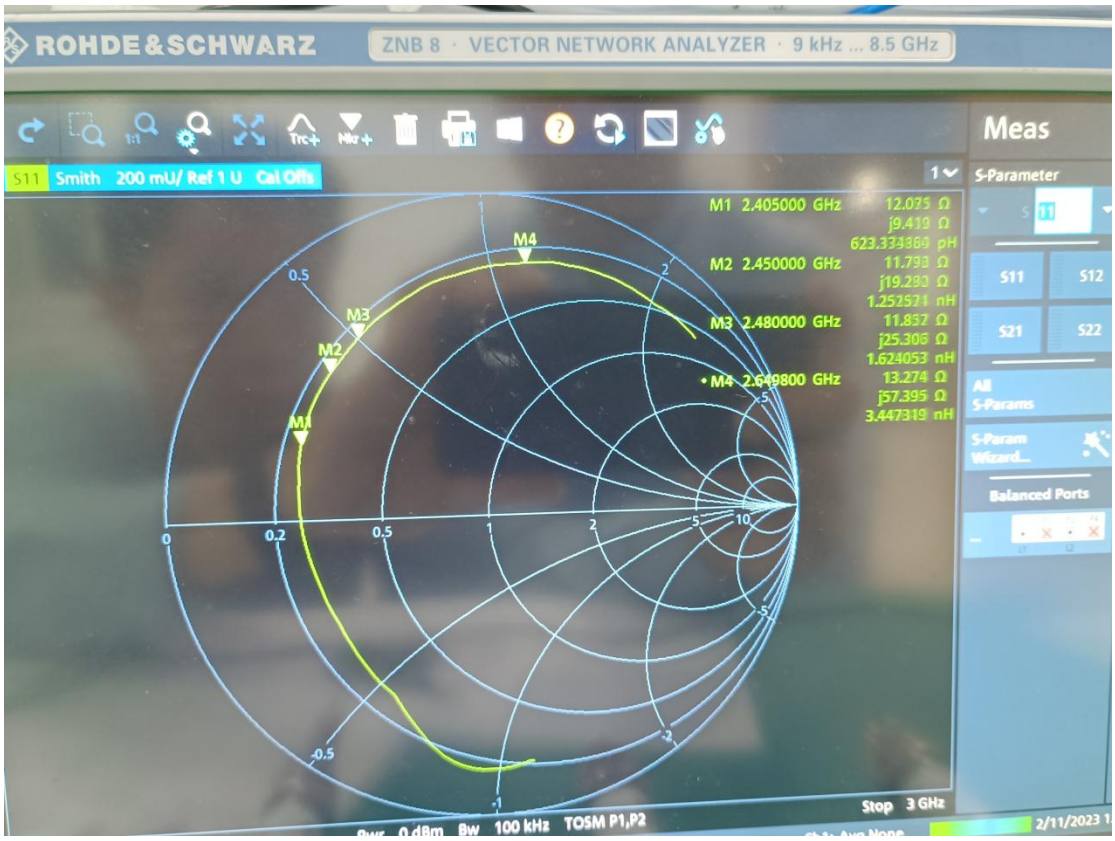
Electrical Specifications	
Frequency Range (MHz)	2400-2500
Input Impendence (Ω)	50
V.S.W.R	≤1.5
Gain (dBi)	-0.8
Polarization Type	Horizontal
Power Capacity (w)	2
Mechanical Specifications	
Antenna Length (mm)	10.09mm
Radiator	Cuprum
Connect Type	PCB

Working Temp(　　℃)	-10~40
Storage Temperature(　　℃)	-20~55
antenna size	10.09mm x 4.3mm x 0.1mm

2、PRODUCT PICTURE

3、PRODUCT SPECIFICATION CHART

4、Antenna Gain

FEITUKEJI											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-6.47	-6.56	-6.34	-5.87	-6.36	-6.32	-6.21	-6.16	-6.05	-6.63	-6.53
Peak EIRP (dBm)	-1.91	-1.80	-1.40	-0.80	-1.48	-1.57	-1.58	-1.72	-1.91	-2.70	-2.74
Directivity (dBi)	4.56	4.76	4.94	5.06	4.89	4.75	4.63	4.44	4.13	3.93	3.79
Efficiency (dB)	-6.47	-6.56	-6.34	-5.87	-6.36	-6.32	-6.21	-6.16	-6.05	-6.63	-6.53
Efficiency (%)	22.50	22.10	23.20	25.90	23.10	23.40	24.00	24.20	24.80	21.70	22.20
Gain (dBi)	-1.91	-1.80	-1.40	-0.80	-1.48	-1.57	-1.58	-1.72	-1.91	-2.70	-2.74
NHPRP ±Pi/4 (dBm)	-7.42	-7.28	-6.81	-6.19	-6.75	-6.71	-6.61	-6.76	-7.03	-7.67	-7.63
NHPRP ±Pi/6 (dBm)	-8.84	-8.69	-8.22	-7.61	-8.14	-8.11	-8.00	-8.15	-8.43	-9.05	-9.00
NHPRP ±Pi/8 (dBm)	-9.86	-9.71	-9.24	-8.63	-9.17	-9.15	-9.04	-9.20	-9.50	-10.09	-10.05
Upper Hem. PRP (dBm)	-9.20	-9.26	-9.02	-8.53	-9.00	-8.92	-8.78	-8.71	-8.58	-9.12	-9.02
Lower Hem. PRP (dBm)	-9.77	-9.89	-9.71	-9.26	-9.79	-9.77	-9.70	-9.68	-9.60	-10.22	-10.14
Upper Hem. PRP (%)	12.01	11.85	12.53	14.04	12.59	12.82	13.24	13.45	13.88	12.23	12.54
Lower Hem. PRP (%)	10.53	10.25	10.70	11.86	10.51	10.54	10.72	10.76	10.96	9.52	9.68

5、Image of antenna field shape test