

antenna SPECIFICATION

Product description: 2.4G PCB Antenna

Uni Link's part number: ANTENNA-2400-2500A(Zigbee)

Issue Date: 2022-12-01

Note: 2400-2500MHZ

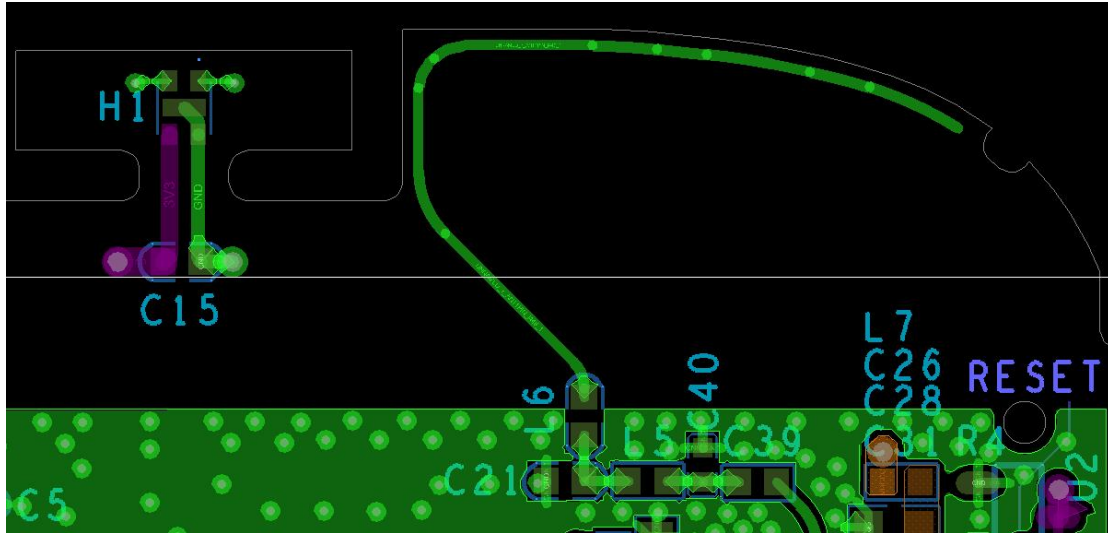
1、（PRODUCT TECHNICAL SPECIFICATION）

Electrical Specifications	
Frequency Range (MHz)	2400-2500
Input Impendence (Ω)	50
V.S.W.R	≤ 1.5
Gain (dBi)	1.42
Polarization Type	Horizontal
Power Capacity (w)	2
Mechanical Specifications	
Antenna Length (mm)	mm
Radiator	Cuprum
Connect Type	NC
Working Temp($^{\circ}\text{C}$)	-10~40
Storage Temperature($^{\circ}\text{C}$)	-20~55
antenna size	

Weight (g)

9

2、PRODUCT PICTURE



3、PRODUCT SPECIFICATION CHART



4、Image of antenna S11



5、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)	-4.30	-4.50	-4.30	-4.20	-4.00	-4.00	-4.15	-3.90	-3.95	-3.80	-3.75
Peak EIRP (dBm)	1.20	1.10	1.20	1.25	1.30	1.30	1.18	1.42	1.38	1.23	1.20
Directivity (dBi)	5.50	5.60	5.50	5.45	5.30	5.30	5.32	5.32	5.33	5.03	4.95
Efficiency (dB)	-4.30	-4.50	-4.30	-4.20	-4.00	-4.00	-4.15	-3.90	-3.95	-4.10	-4.30
Efficiency (%)	37.15	35.48	37.15	38.02	39.80	39.80	38.45	40.27	42.20	38.90	37.15
Gain (dBi)	1.20	1.10	1.20	1.25	1.30	1.30	1.18	1.42	1.38	1.23	1.20
NHPRP ±Pi/4 (dBm)	-6.43	-6.33	-6.48	-5.56	-6.33	-6.48	-6.38	-6.64	-7.05	-7.40	-8.10
NHPRP ±Pi/6 (dBm)	-8.13	-8.07	-7.60	-7.38	-8.16	-8.21	-8.32	-8.48	-8.58	-9.34	-9.70
NHPRP ±Pi/8 (dBm)	-9.28	-9.29	-8.75	-8.33	-9.31	-9.25	-9.13	-9.43	-9.63	-10.31	-10.48
Upper Hem. PRP (dBm)	-7.03	-7.02	-6.96	-9.65	-6.93	-7.00	-7.04	-10.27	-6.60	-7.07	-6.95
Lower Hem. PRP (dBm)	-7.60	-8.07	-7.70	-7.47	-7.10	-7.03	-7.28	-6.82	-6.92	-7.16	-7.71
Upper Hem. PRP (%)	19.80	19.88	20.15	20.12	20.30	20.00	19.75	20.77	21.90	19.65	20.19
Lower Hem. PRP (%)	17.35	15.60	17.00	17.90	19.50	19.80	18.70	19.50	20.30	19.25	16.96

— Efficiency (%)