

SPECIFICATIONFORAPPROVAL

Customer:

Customer's part number:

Product description: 2.4G Antenna

Uni Link's part number: MS-2.4G-TP1

Issue Date: 20012-12-30

Note: 2400-2500MHz

Application and Features

Applications :

- 1: 2.4G ISM band applications
- 2: ISM, RFID applications
- 3: Remote antenna location for better reception

Features :

- 1: Compact size
- 2: Mounting foam tape on back
- 3: Indoor or outdoor use

Address: Floor 5, Shunfu Science Park, No.28, Jinfeng Road, Longgang Street,
Longgang District, Shenzhen, China

1、SPECIFICATIONS

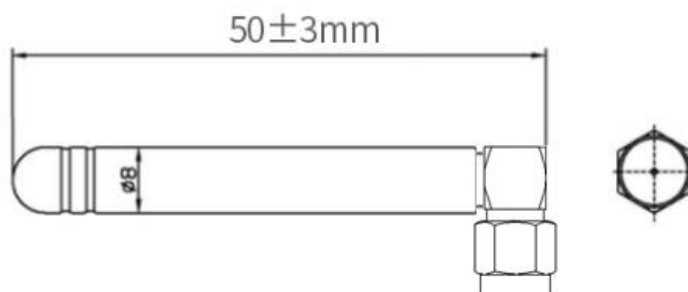
Electrical Specifications	
Frequency Range (MHz)	2400-2500
Input Impedance (Ω)	50
V.S.W.R	≤ 1.5
Gain (dBi)	2.99
Mechanical Specifications	
Antenna Length (mm)	50*8
Radome Color	Black

2、 PICTURE

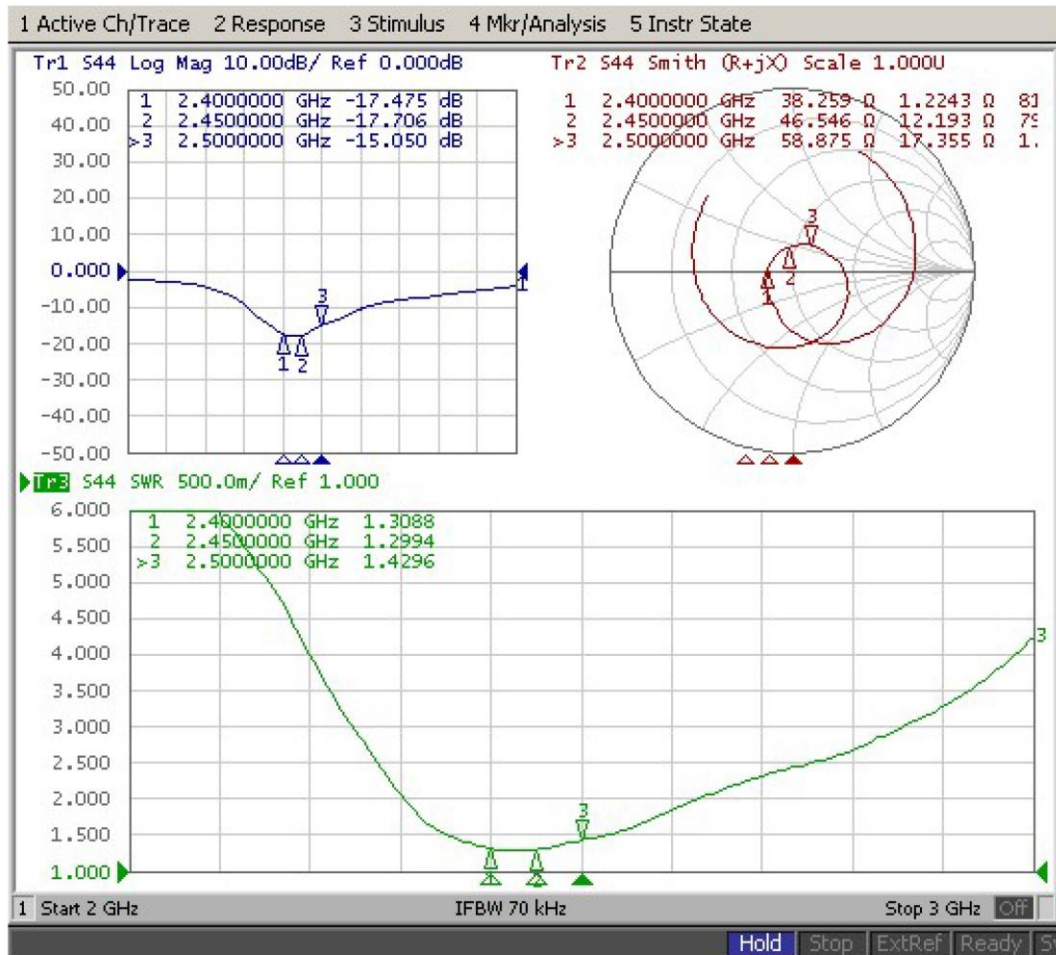


3、 DRAWING

Unit: mm



4、VSWR



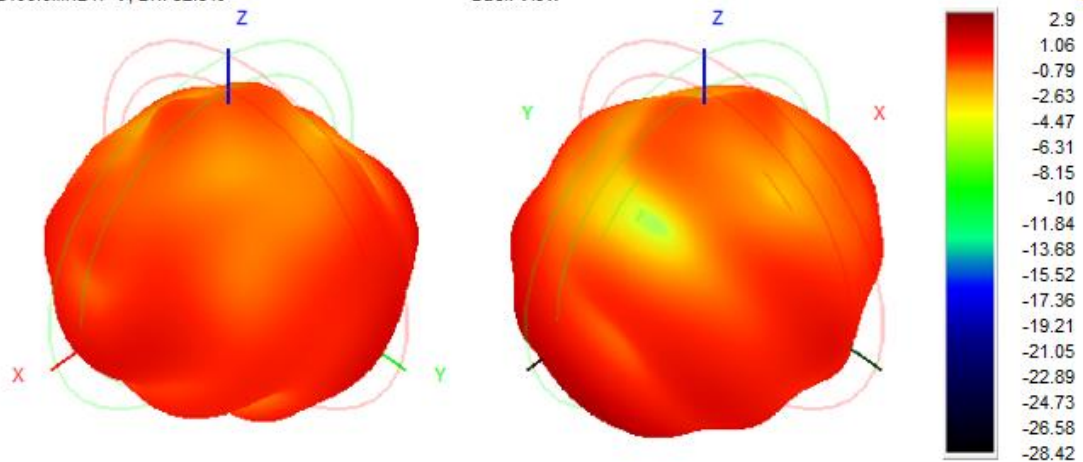
5. Gain and efficiency

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-2.76	-2.82	-2.85	-2.97	-3.01	-2.95	-3.09	-3.19	-3.17	-3.17	-2.99
Gain (dBi)	2.90	2.94	2.99	2.87	2.73	2.66	2.51	2.36	2.27	2.05	2.19
Efficiency (%)	52.91	52.29	51.87	50.42	50.01	50.67	49.11	48.00	48.23	48.18	50.27
Directivity (dB)	5.66	5.76	5.84	5.84	5.74	5.61	5.60	5.55	5.43	5.22	5.18
Peak Gain Position (Theta)	111.00	111.00	112.00	112.00	112.00	112.00	148.00	148.00	148.00	149.00	114.00
Peak Gain Position (Phi)	147.00	147.00	147.00	146.00	146.00	146.00	173.00	174.00	175.00	176.00	145.00
Efficiency ThetaPol (%)	33.18	32.47	31.87	30.65	30.18	30.37	29.19	28.23	28.06	27.84	28.88
Efficiency PhiPol (%)	19.73	19.83	20.00	19.77	19.83	20.30	19.91	19.77	20.17	20.34	21.39
Upper Hem. Efficiency (%)	22.55	22.46	22.51	22.10	22.07	22.34	21.51	20.97	21.07	21.27	22.58
Lower Hem. Efficiency (%)	30.36	29.83	29.37	28.32	27.94	28.33	27.59	27.03	27.17	26.91	27.70

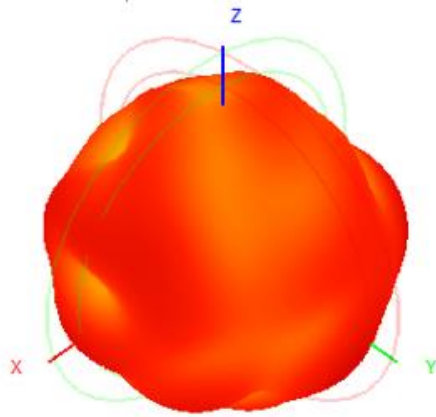
6. 3D Pattern

2400.0MHz H+V, Eff: 52.9%

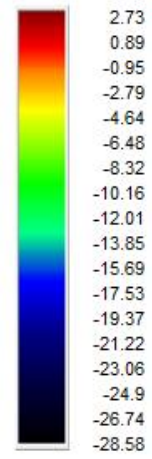
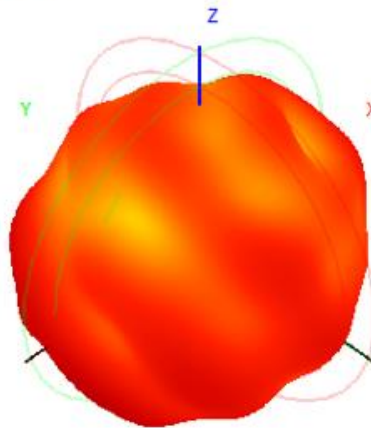
Back View



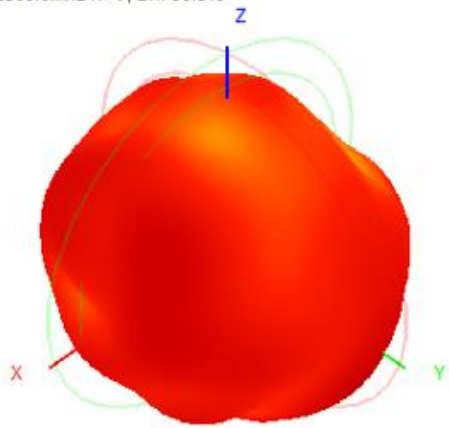
2440.0MHz H+V, Eff: 50.0%



Back View



2500.0MHz H+V, Eff: 50.3%



Back View

