

Shenzhen Yishengbang Technology Co., Ltd
101, Building C, Qianwan Hard Technology Industrial Park, Bao'an
District, Shenzhen

PECIFICATION FOR APPROVAL

Project Name:	MedMinder Uri_1	Number:	N/A
Antenna material :	FPC	Frequency Band:	WIFI+BT
Item number :	SLK-APD-4310A-R-215IV-G	Date :	2024-08-20

W/G/B Antenna (2720A1)

1. Explanation of Product number :

Product Code:

(1) Project:

4310A: SLK-APD-4310A (WIFI+GPS antenna)

(2) Welding Position

L: Left

(3) Cable Length:

215IV: 215*0.81MM four generation terminal

2. Features

*Stable and reliable in performances

*Compact size

*RoHS compliance

3. Applications

* IEEE802.11 (a/b/g/n)

* Hand-held devices when WIFI (802.11a/b/g/n) GPS functions are needed

4. Description

Holy bond's FPC antenna series are specially designed for WIFI (802.11 a/b/g/n) GPS applications. Based on Holy bond's proprietary design and processes, this FPC antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

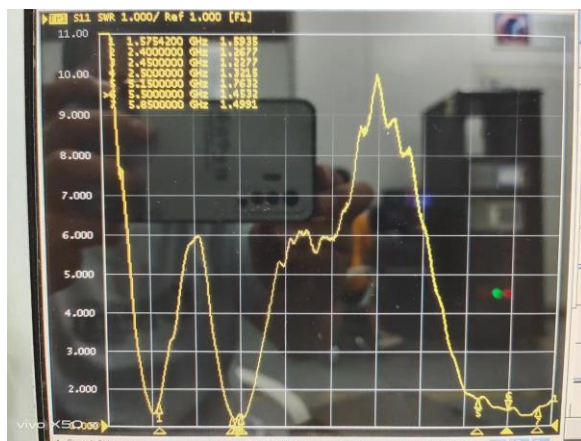
5. Electrical Specifications

5-1

Characteristics	Specifications	Unit
Outline Dimensions	50.79x 19.13x 0.12	mm
Center Frequency	1.575-2.4-2.5-5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5.2

VSWR



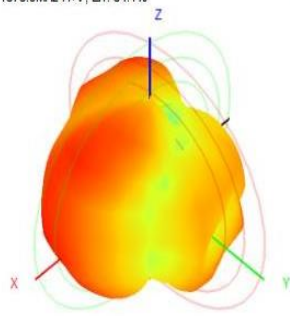
S11



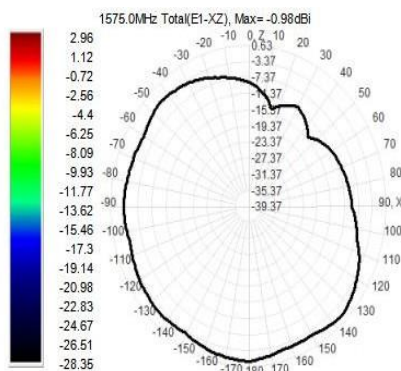
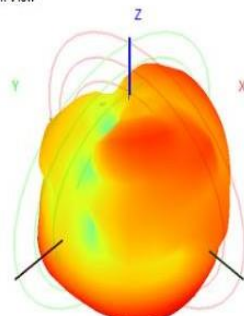
5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
1570.0	-4.87	1.64	32.59
1575.0	-4.68	1.69	34.07
1580.0	-4.71	1.57	33.80
2400.0	-4.77	0.66	33.33
2410.0	-4.35	1.16	36.77
2420.0	-4.04	1.24	39.46
2430.0	-3.91	1.43	40.61
2440.0	-4.00	1.13	39.80
2450.0	-4.05	1.11	39.36
2460.0	-3.91	1.35	40.61
2470.0	-4.16	0.90	38.41
2480.0	-3.97	1.43	40.07
2490.0	-4.00	1.48	39.79
2500.0	-4.23	1.37	37.76
5150.0	-5.24	1.47	29.95
5350.0	-5.04	1.36	31.31
5550.0	-5.40	1.74	28.83
5750.0	-5.75	2.07	26.61
5850.0	-5.09	2.41	31.01

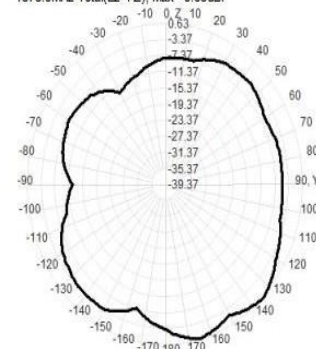
1575.0MHz H+V, Eff: 34.1%



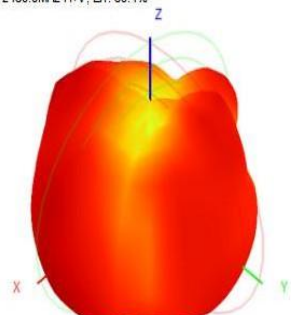
Back View



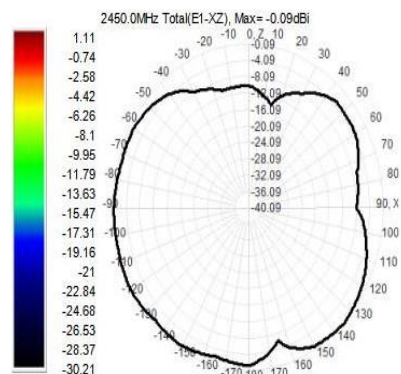
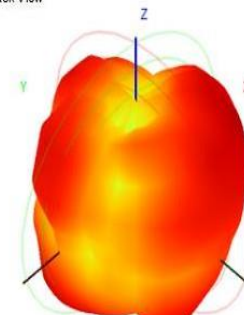
1575.0MHz Total(E2-YZ), Max=-0.63dBi



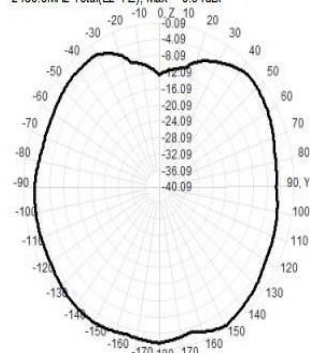
2450.0MHz H+V, Eff: 39.4%



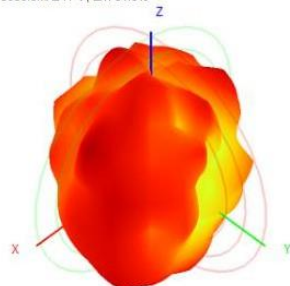
Back View



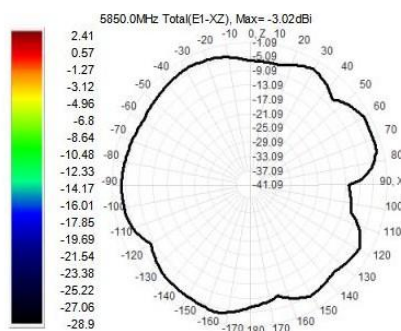
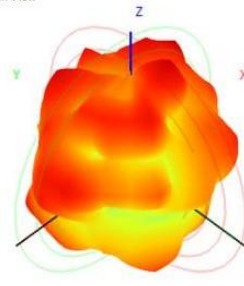
2450.0MHz Total(E2-YZ), Max=-0.94dBi



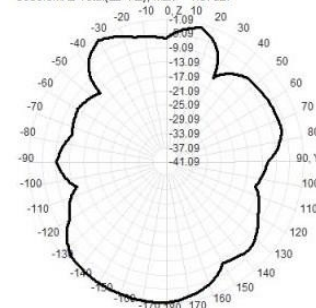
5850.0MHz H+V, Eff: 31.0%



Back View



5850.0MHz Total(E2-YZ), Max=-1.57dBi



6. Antenna Dimensions (unit: mm)

Width=12.23mm

Length=85.3mm

