

Antenna specification

APPROVAL

Customer	逸音	frequency band	2402MHZ~2480MHZ
project name	Megapods5	versions	PCB V1.1
Material number	YF1608H1P2G45	colour	/
Antenna vendor	SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO., LTD		
Vendor address	No. 185, 501, Pingshan Village, No. 2, Lishan Road, Taoyuan Street, Nanshan District, Shenzhen		
designed By	Yao Hong guang	Day	2024-04-08
QA Manager By		Day	
Approved By		Day	
Confirmed by Customer		Day	

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1. antenna parameters

Right ear antenna

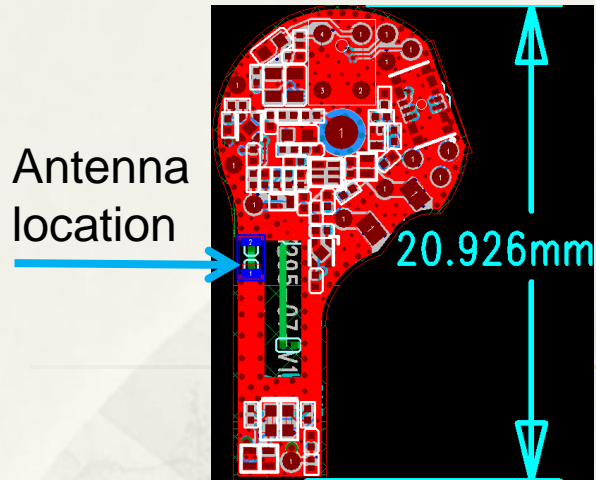
Frequency	2400~2500MHZ
Effi AVG	51.82%
PK Gain	1.89dBi
SWR	<3
Antenna Type	Ceramic antenna
Polarization	Linear Polarization
PART NO	YF1608H1P2G45
Antenna size	1.6x0.8x0.5mm

Left ear antenna

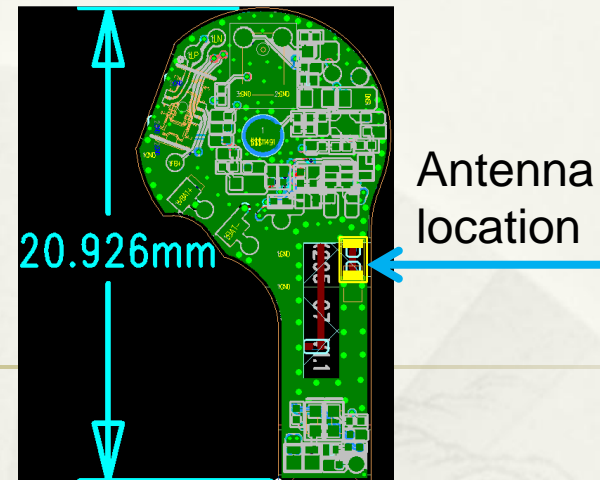
Frequency	2400~2500MHZ
Effi AVG	47.21%
PK Gain	1.91dBi
SWR	<3
Antenna Type	Ceramic antenna
Polarization	Linear Polarization
PART NO	YF1608H1P2G45
Antenna size	1.6x0.8x0.5mm

2. Antenna appearance and dimensions

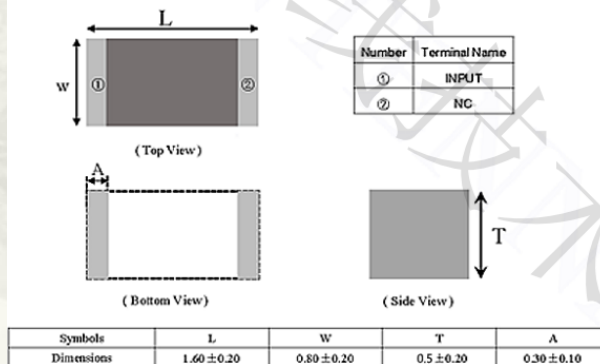
TOP



BOTTOM



Dimensions (Unit: mm)



Antenna size: 1.6x0.8x0.5mm

3. Detailed information about antenna parameters

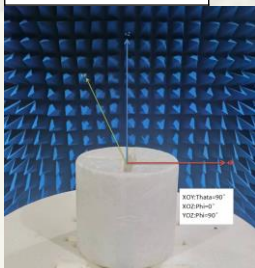
3.2 Right ear antenna efficiency

Free space			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain(dBi)
2400	49.63	-3.04	1.24
2410	50.22	-2.99	1.31
2420	50.75	-2.95	1.32
2430	51.07	-2.92	1.53
2440	51.59	-2.87	1.56
2450	52.34	-2.81	1.86
2460	53.03	-2.75	1.81
2470	53.65	-2.7	1.85
2480	54.11	-2.67	1.89
平均值	51.82	-2.86	1.60

XOY:Theta=90°

XOZ:Phi=0°

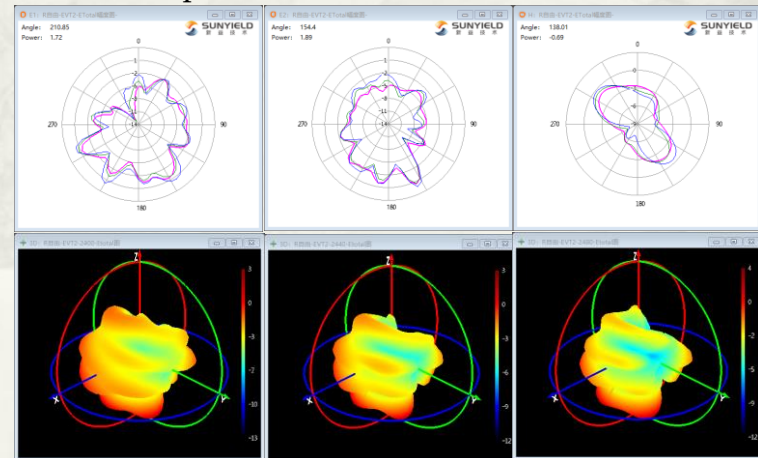
YOZ:Phi=90°



S11 Parameters



Antenna pattern:



3. Detailed information about antenna parameters

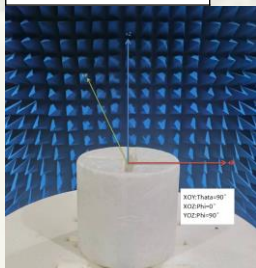
3.2 Left ear antenna efficiency

Free space			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain(dBi)
2400	43.3	-3.64	1.56
2410	44.02	-3.56	1.52
2420	44.89	-3.48	1.68
2430	46.01	-3.37	1.69
2440	47.3	-3.25	1.82
2450	48.47	-3.15	1.85
2460	49.51	-3.05	1.84
2470	50.4	-2.98	1.88
2480	51.01	-2.92	1.91
平均值	47.21	-3.27	1.75

XOY: Thata=90°

XOZ: Phi=0°

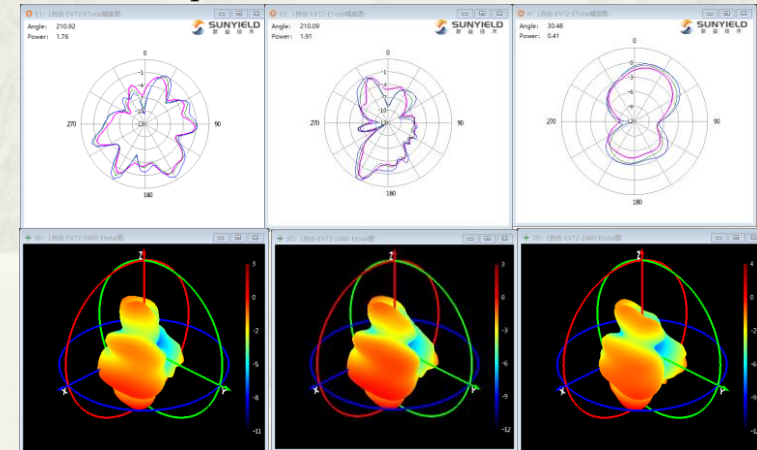
YOZ: Phi=90°



S11 Parameters



Antenna pattern:





The End