

Antenna specification

APPROVAL

Customer	Baseus	frequency band	2400MHZ~2480MHZ
project name	PM160	versions	PCB V1.2
Material number	ANT05	colour	/
Antenna vendor	Shenzhen Jingxun Technology Co.,Ltd.		
Vendor address	3rd/6th Floor,Building A5,Nanshan Zhiyuan,No.1001 Xueyuan Avenue,Nanshan District,Shenzhen		
designed By	Jingxun	Day	2025/06/17
QA Manager By	Jingxun	Day	2025/06/17
Approved By	Jingxun	Day	2025/06/17
Confirmed by Customer		Day	

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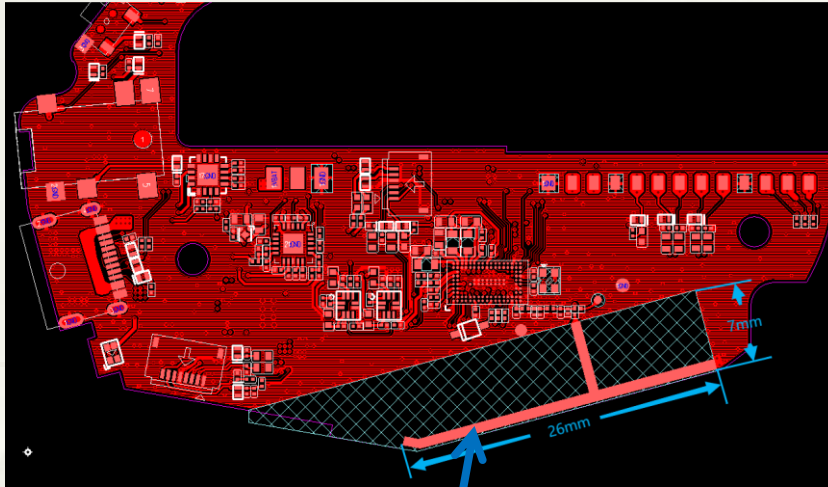
1. antenna parameters
 2. Antenna appearance and dimensions
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1. antenna parameters

Frequency	2400-2480MHz
Effi AVG	36.47%
PK Gain	2.24dBi
SWR	<2
Antenna Type	Onboard antenna
PART NO	ANT05
Polarization Type	Linear Polarization
Antenna size	26 x 7mm

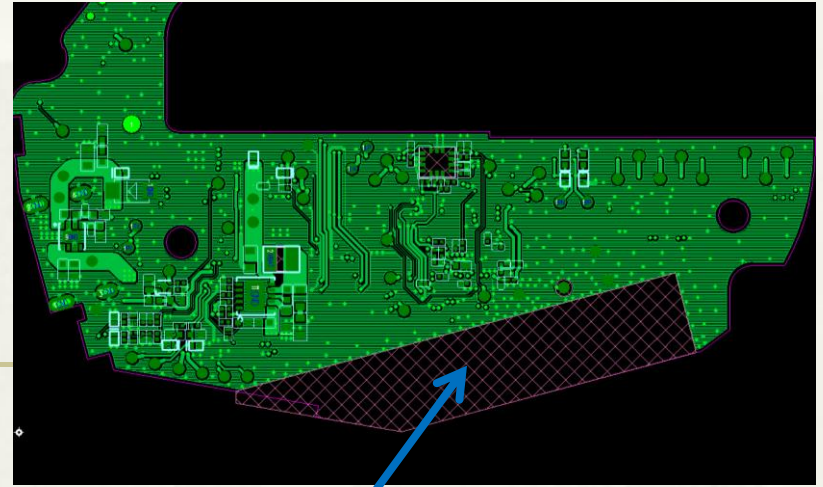
2. Antenna appearance and dimensions

TOP



Antenna size: 26 x 7mm

BOTTOM



Antenna location

3. Detailed information about antenna parameters

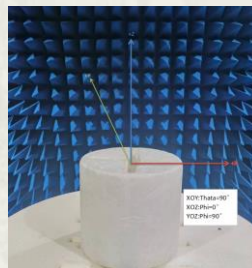
Antenna Efficiency

Free space			
Freq (MHz)	Gain(dBi)	Effi (dB)	Effi (%)
2400	1.13	-4.43	36.02
2410	1.28	-4.41	36.22
2420	1.44	-4.41	36.23
2430	1.64	-4.39	36.36
2440	1.83	-4.38	36.49
2450	1.97	-4.38	36.51
2460	2.11	-4.36	36.68
2470	2.21	-4.33	36.9
2480	2.24	-4.34	36.85
AVG	1.76	-4.38	36.47

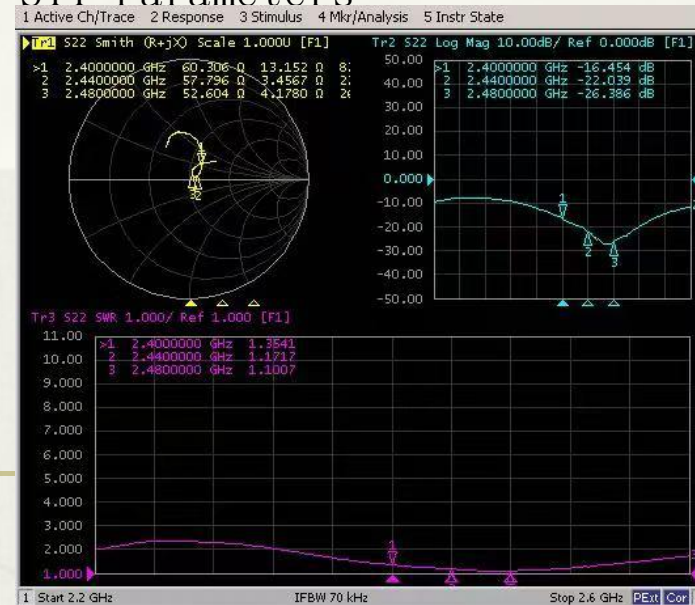
XOY:Thata=90°

XOZ:Phi=0°

YOZ:Phi=90°



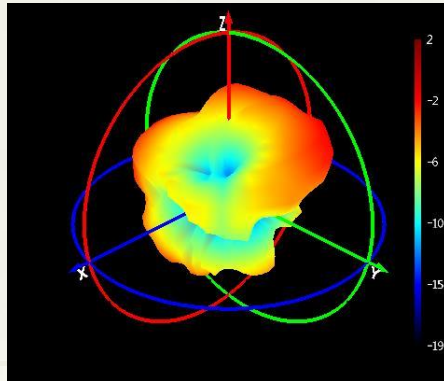
S11 Parameters



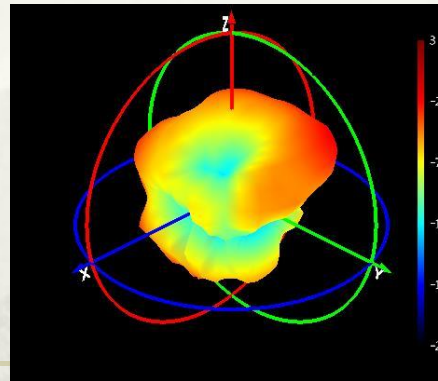
4. Antenna radiation pattern

3D Antenna radiation pattern

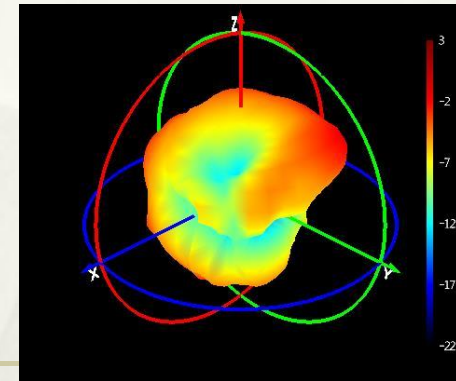
2400MHz



2440MHz

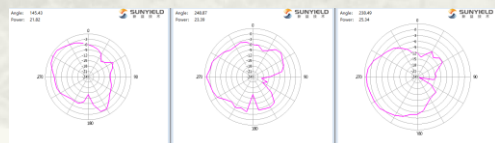


2480MHz



Antenna radiation pattern

2400MHz

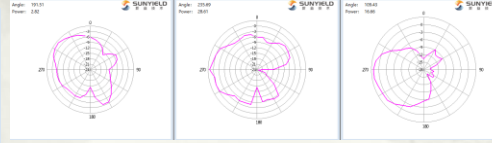


E1

E2

H

2440MHz



E1

E2

H

2480MHz



E1

E2

H



The End