

SPECIFICATION

PART NUMBER: ME-APP462
ANTENNA DESCRIPTION: PCB Onboard antenna
VERSION: V1.0
Released Date:20240616

Shenzhen qianfenyi intelligent technology co., LTD.

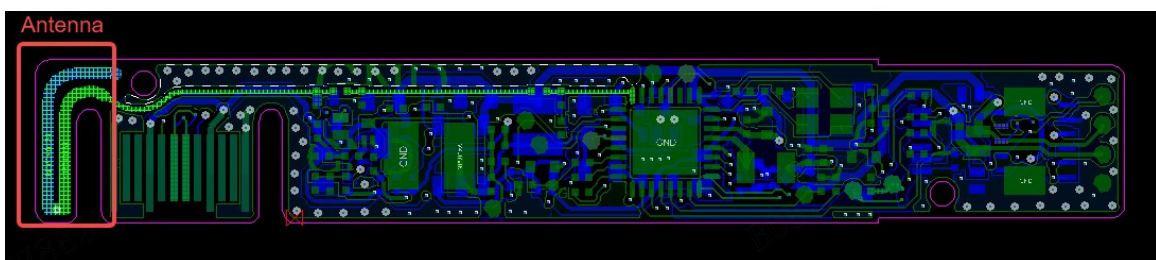
Room 2101, Building 3, Nanshan i Park Chongwen, 3370 Liuxian Avenue,
Nanshan District,Shenzhen China 518000

PCB onboard Antenna

1. Application:

For Bluetooth Applications

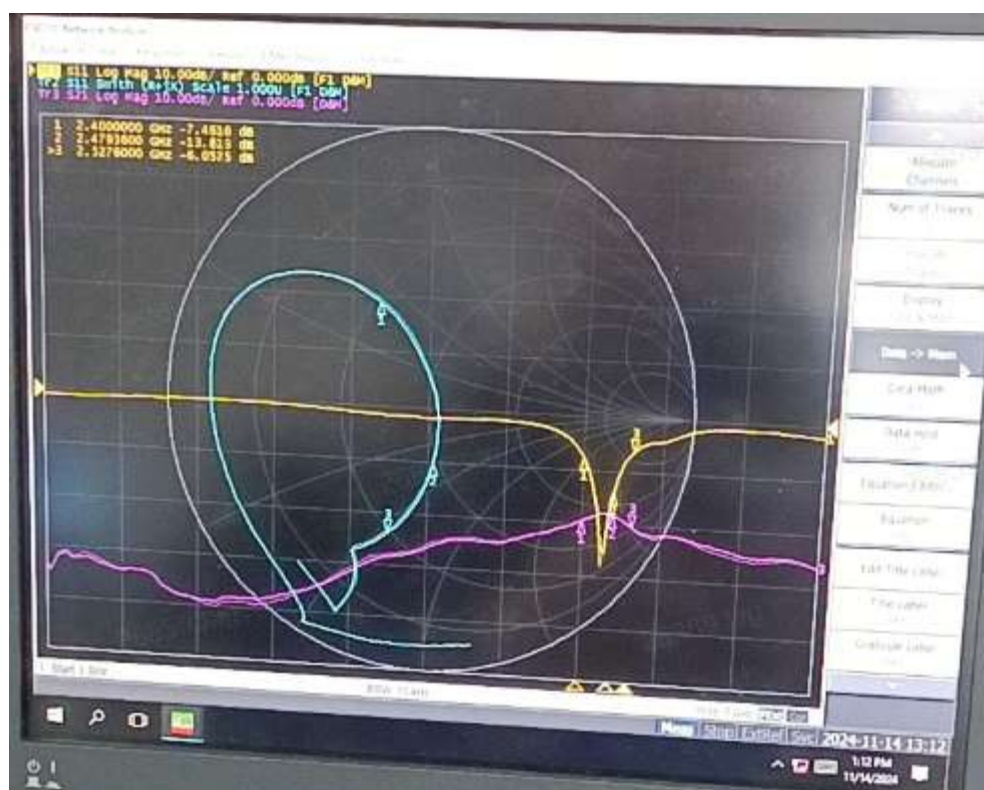
2. Antenna direction



3. Electrical Specification

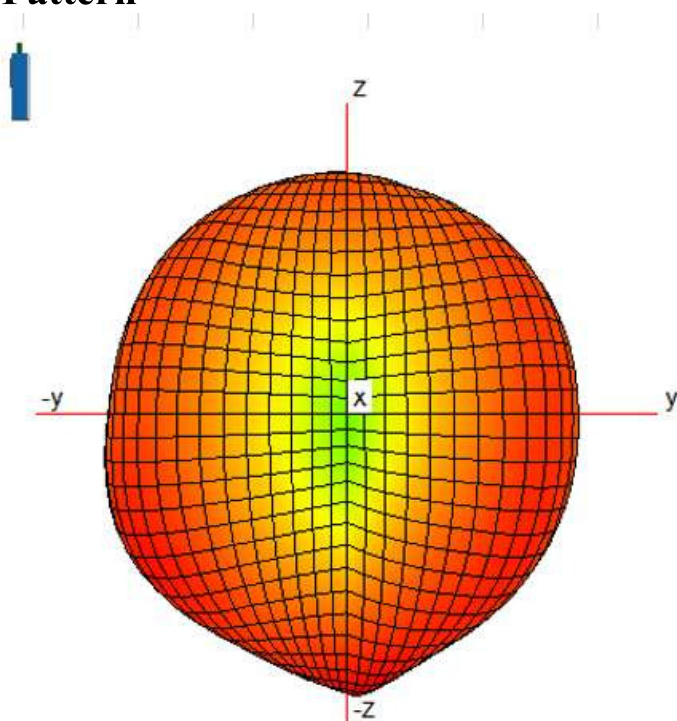
DESCRIPTION	VALUE
Center Frequency	2.45GHz
Bandwidth	100MHz (Typ.)
Peak Efficiency	25%
Azimuth Beamwidth	Omni-directional
Peak Gain	-1.03 dBi (Typ.)
Operating Temperature	-40-105℃
Maximum Power	1W

4. Characteristic curve



5. Radiation Pattern

2450MHz



6. Efficiency

Frequency	Efficiency (%)	Peak Gain (dBi)
2400MHz	14.34	-3.3
2410MHz	15.78	-2.85
2420MHz	17.71	-2.43
2430MHz	19.31	-2.16
2440MHz	20.8	-1.9
2450MHz	21.96	-1.78
2460MHz	22.67	-1.74
2470MHz	23.84	-1.54
2480MHz	25.1	-1.03

7. REVISION HISTORY

<u>REVISION DATE</u>	<u>CHANGE NOTIFICATION</u>	<u>DESCRIPTION</u>
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Version1.0 2024/06/16		
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	New datasheet for PCB onboard antenna ,2.45GHz	
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