



ANTENNA DATASHEET

AOT PN: ANT-P2458-N17

REVISION HISTORY

REV.	Description	Date
1.0	First release	July.29/2024

Want to see the latest information? Please contact us via sales@aot-corp.com

└ AOT Wireless Technology Co., Limited ┘

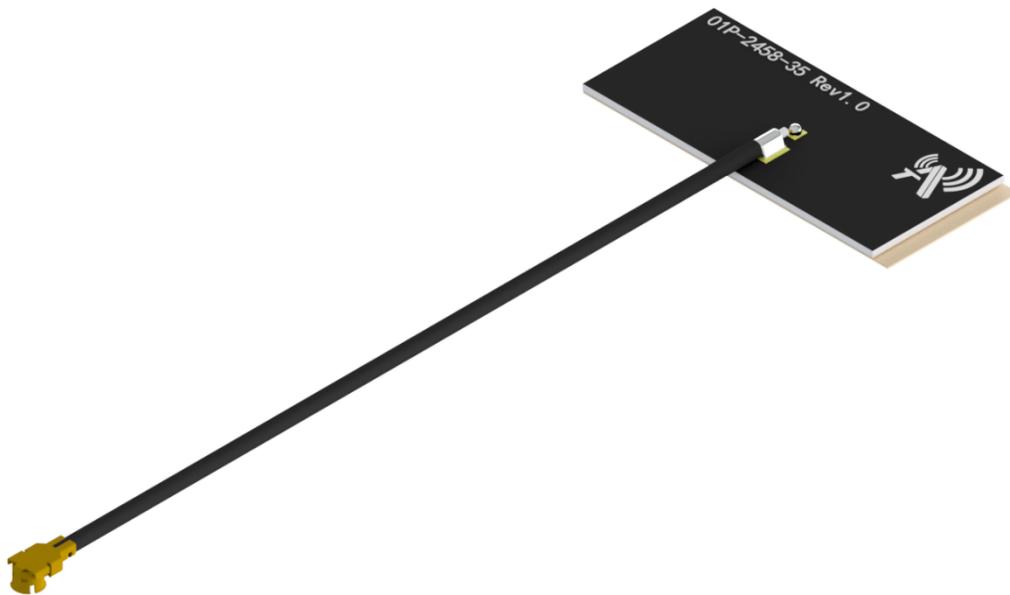


ANT-P2458-N17 Antenna

Based on AOT's patented technology, the Model ANT-P2458-N17 Antenna features provides a high performance, external antenna solution. The antenna supports IEEE 802.11 a/b/g/n/ac/ax wireless standards and is intended for access points. The solution is suitable for low-cost, high-performance antenna applications.

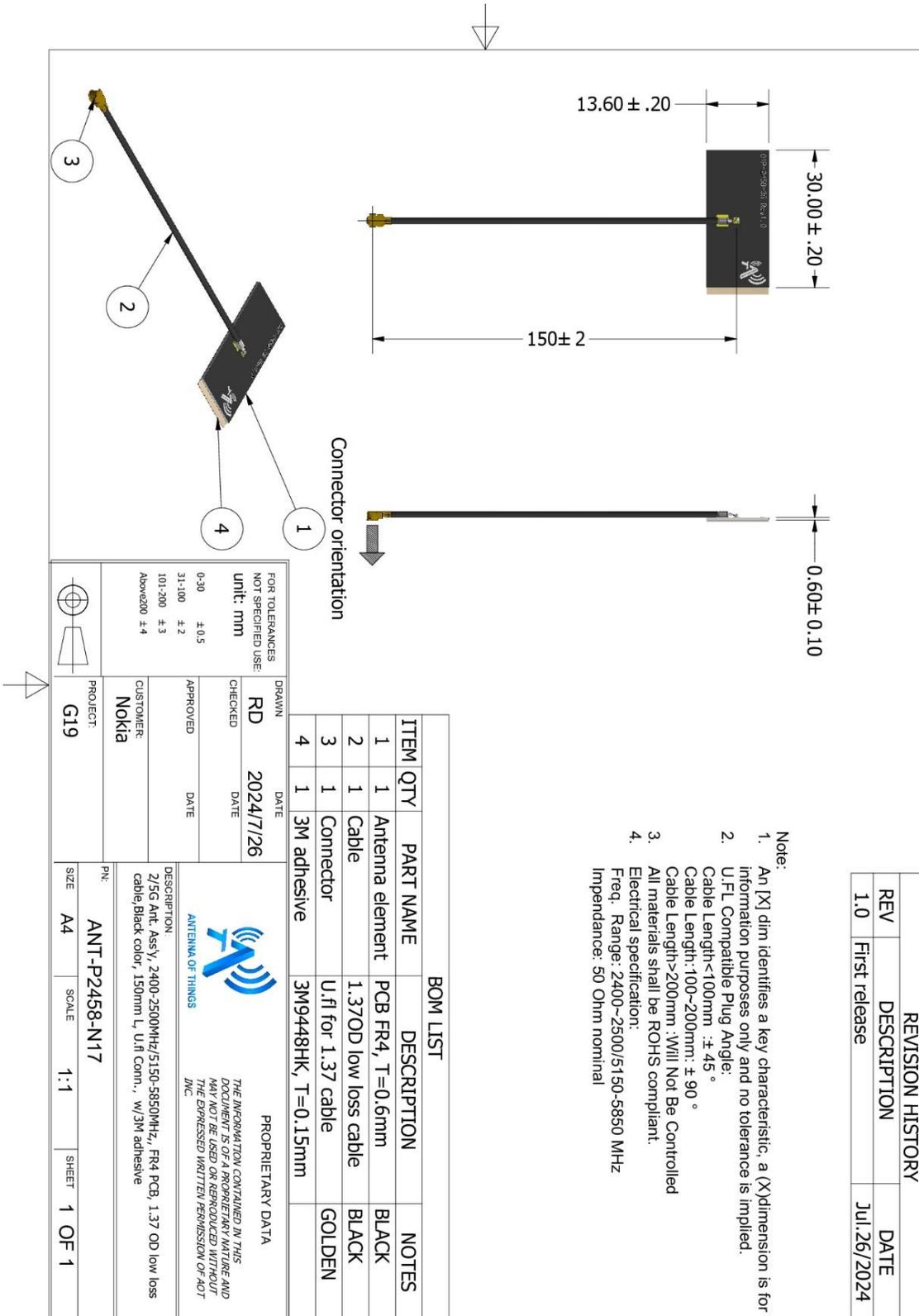
Features Overview

- Covering 2400-2490/5150-5850MHz frequency
- Off-board, Cable-fed,
- Low Cost, High performance
- RoHS compliant.





Assembly Drawing





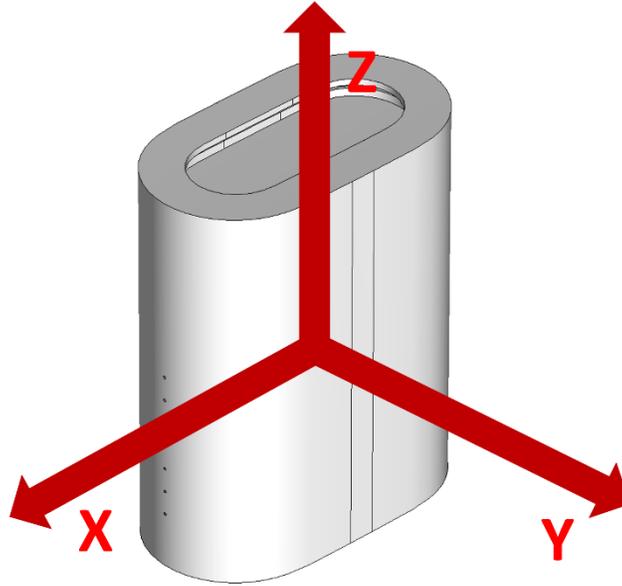
Specifications and Interface

Wireless Standard	IEEE 802.11 a/b/g/n/ac/ax
Frequency Bands	2400-2490MHz/5150-5850MHz
Peak Realized Gain	2.6dBi@2.4GHz/3.6dBi@5GHz
Realized Efficiency	>68%@2.4GHz/>65%@5GHz
VSWR	<1.9@2.4GHz/<1.9@5GHz
Polarization	Linear Polarization
Radiation Pattern	Omni-directional
Feed Impedance	50Ω
Power Handling	30dBm
Antenna Structure	PCB Antenna
Feeding Description	Cable Feeding
Antenna Dimensions	30.0 x 13.6 x 0.6(mm)
Weight	1.0 g
Temperature Range	Operating temperature: -40° C to +75° C (-40° F to +167° F) Storage temperature: -40° C to +85° C (-40° F to +185° F)

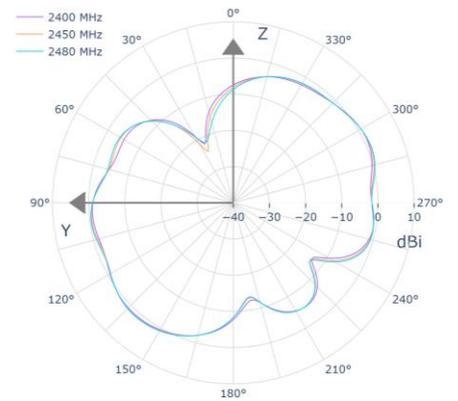
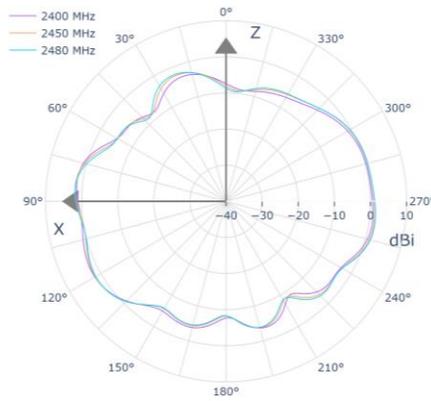
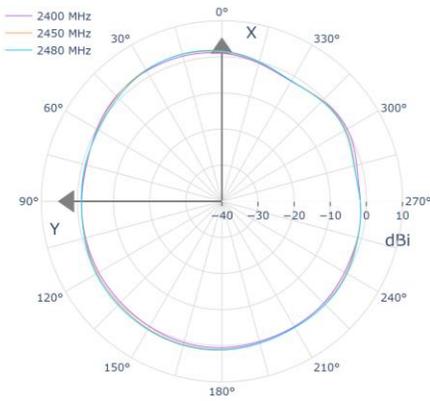


Radiation Patterns

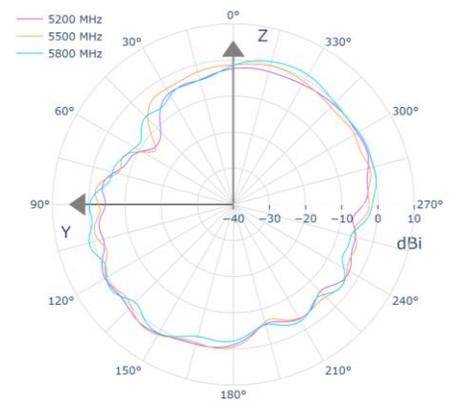
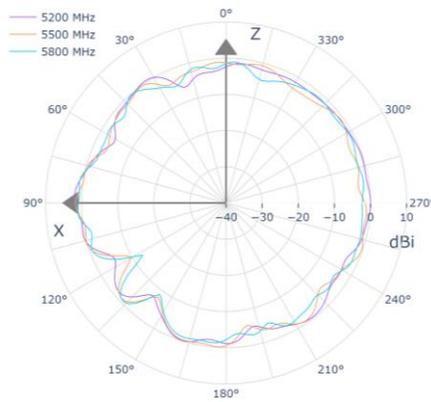
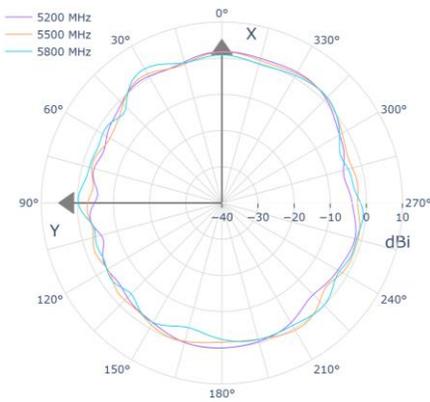
Radiation patterns were taken with the antenna in testing Chamber



Antenna integrated in customer's housing for radiation pattern



Model ANT-P2458-N17 Antenna Radiation Patterns at 2G4



Model ANT-P2458-N17 Antenna Radiation Patterns at 5G