
Antenna Data Sheet
FOR
Model :10064#32AWG
(2.4G band internal antenna)

Issued by		Checked by	
Confirmed by		Date	2026-1-12
Customer Confirm			

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Revision History

Date	Revision	Description of Changes
2026-01-12	R:A	Antenna performance approved by customer

1 SUMMARY

2 GENERAL DESCRIPTION

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1 Summary

This report summarizes the electrical results of the proposed antenna to support the 10064#32AWG program. We test the antenna with the latest version handset .

2 General Description

2.1 Definitions

VSWR: Voltage Standing Wave Rate

3 Mechanical Description

4 Electrical Performance

4.1 Set-up

4.1.1 VSWR and return loss

VSWR measurements (S_{11}) were performed using an Agilent E5070B Network Analyzer and the previously described test fixture. Coaxial chokes were used to mitigate surface currents on the outside of the cabling. The testing was performed in free space.

4.1.2 Efficiency, Gain and TRP/TIS

The chamber is capable of doing tests from 380MHz to 6GHz. Coaxial chokes on the feed cable were used to mitigate surface currents. The measurement results are calibrated using dipole standards. For TRP and TIS the chamber uses a Agilent 8960 to establish the connection with the mobile device. During TRP tests the 8960 reads the power received through the chamber probes whilst during TIS tests the 8960 transmits through the probe. All data is afterwards corrected by a calibration table.

4.1.3 Matching Circuit Description

No matching.

4.2 Measurement Data:

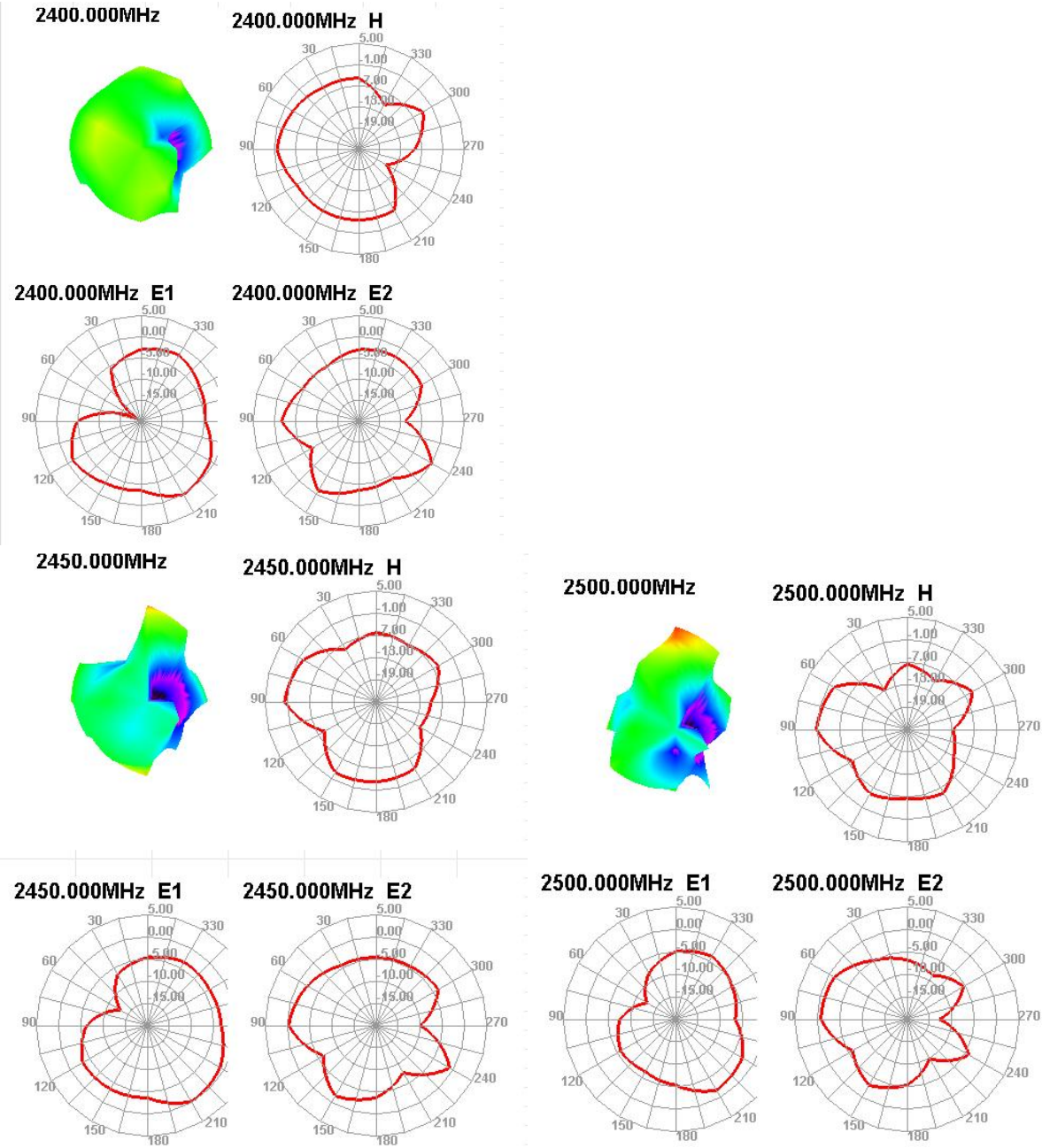
Gain:

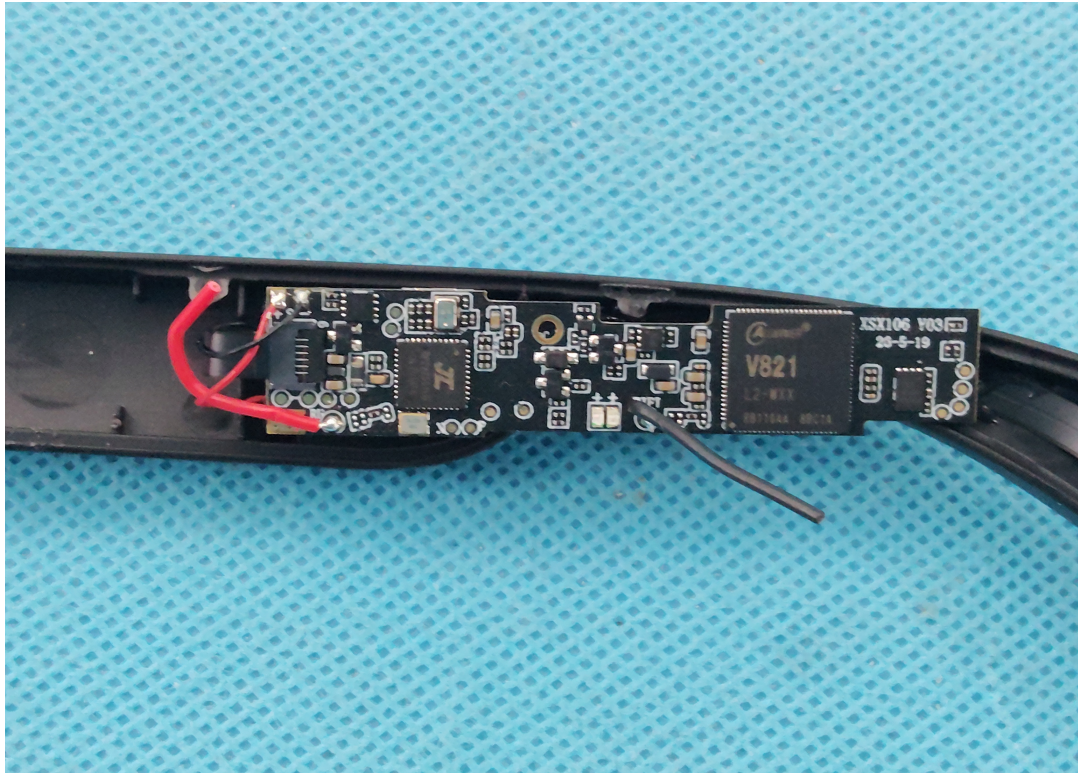
Freq (MHz)	Effi (%)	Gain (dBi)
2400	41. 49	1. 35
2450	37. 77	1. 68
2500	29. 14	1. 78

Standing Wave Ratio:

Freq (MHz)	SWR
2400	1.37
2450	1.41
2500	1.45

2D, 3D:





Length 24mm, wire diameter 0.6mm