

Angeei

Angeei-Passive Report

板载天线

Innovation · Expert · Smart

Design Log



Version	Description	Date
V0	Passive report of initial solution for 板载天线	2026.8.19

Manufacturer : HIMEDIA GLOBAL LIMITED

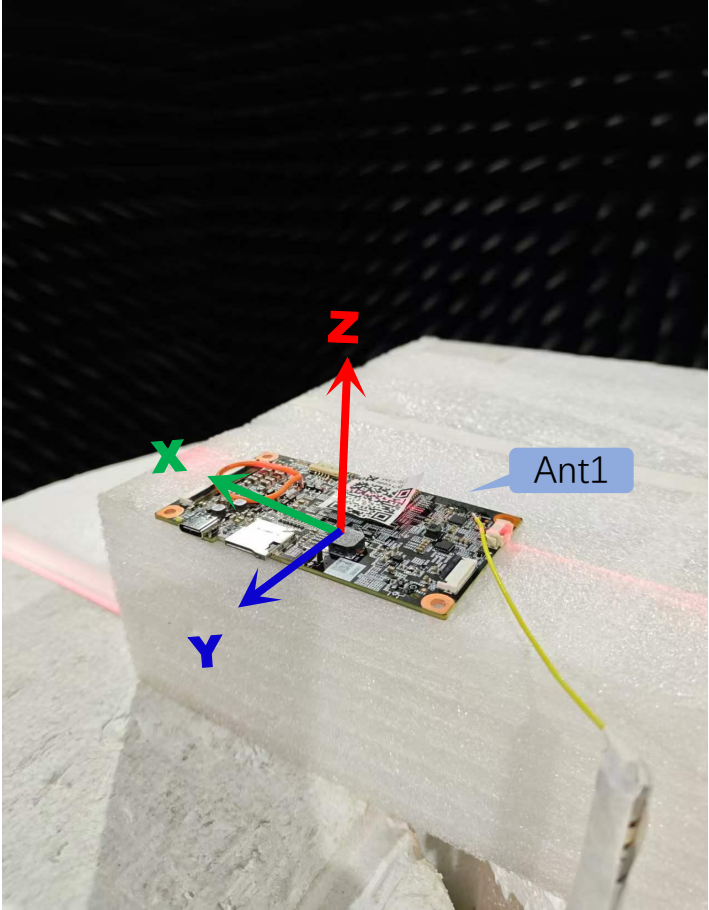
Address : RM 1911 LEE GARDEN ONE 33 HYSAN AVENUE
CAUSEWAY BAY HONG KONG CHINA

Contents

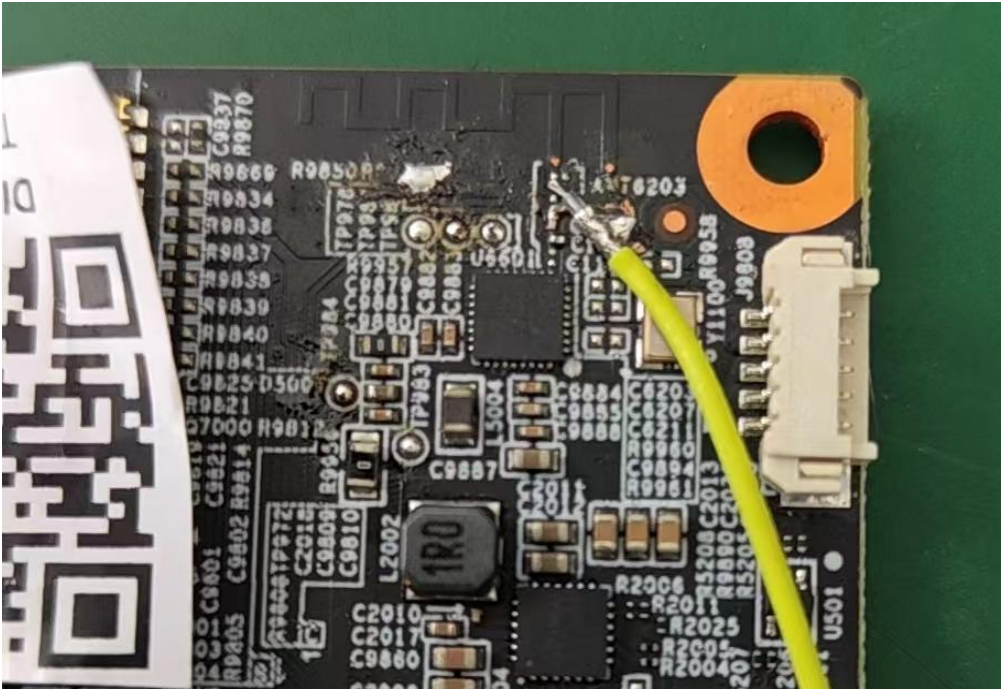


1	Antenna Solution
2	S11 for Antenna
3	3D Radiation Pattern for Antenna
4	2D Radiation Patterns for Antenna
5	Peak Gain & Efficiency

1. Antenna Solution



Ant #	Frequency Band (GHz)
Ant1	2.4-2.49



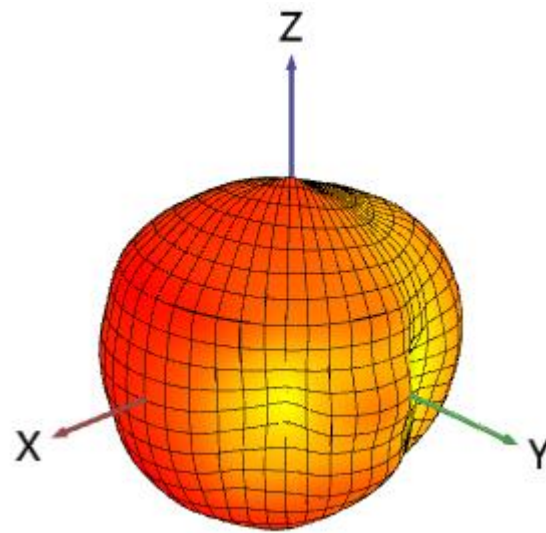
2. S11 for Ant1



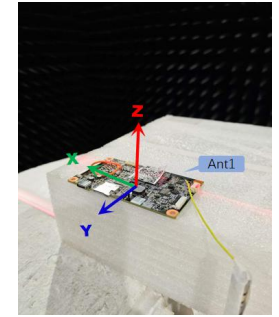
Frequency (GHz)	Return LOSS (dB)
2.4	-8.0
2.44	-6.5
2.49	-5.3

3. 3D Radiation Pattern for Ant1

Angeei

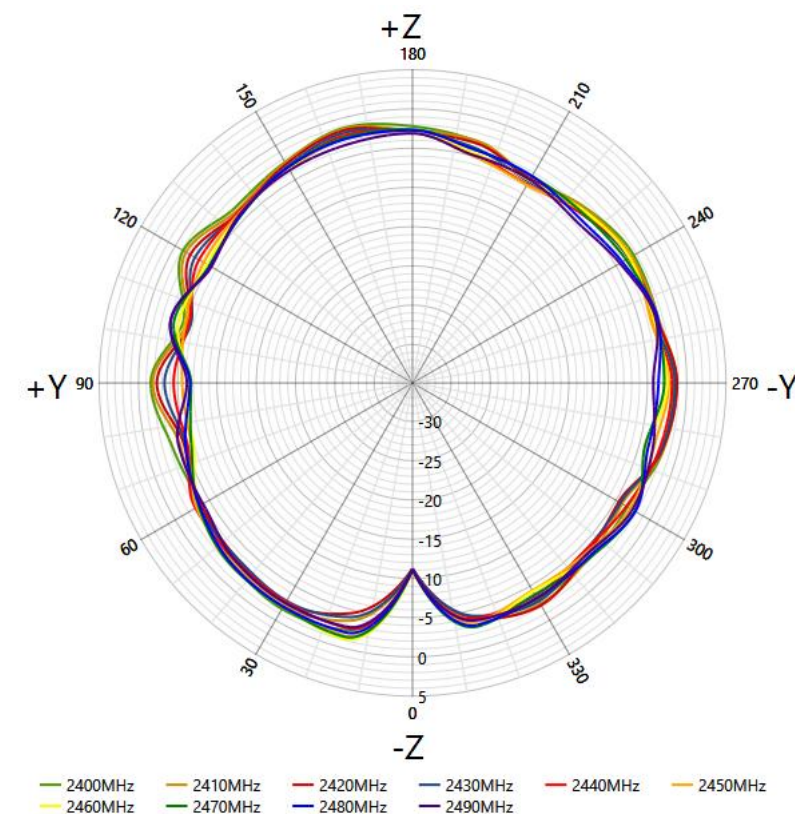
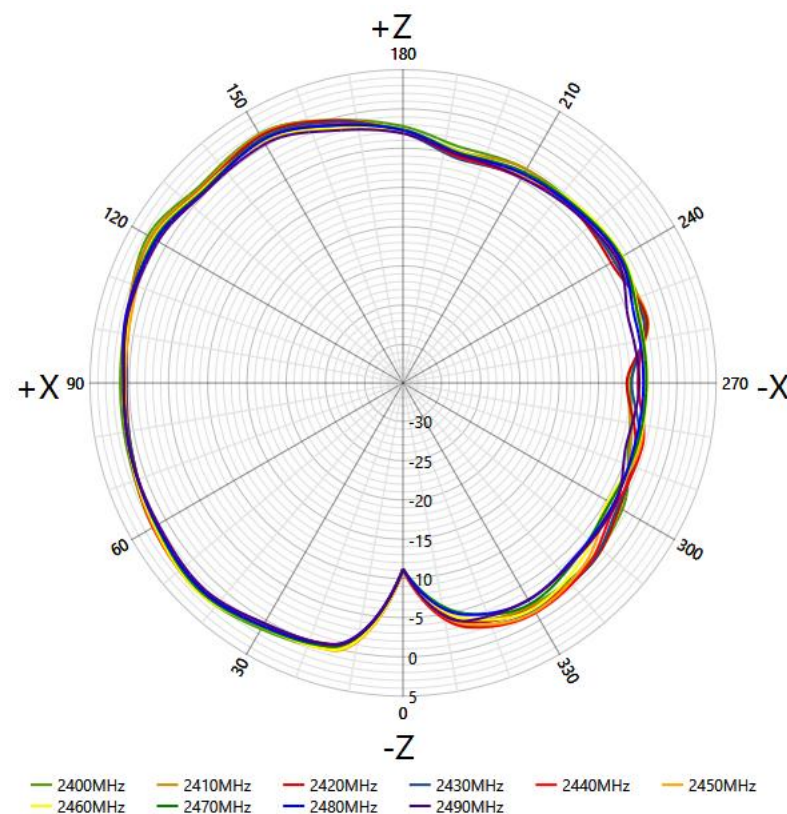
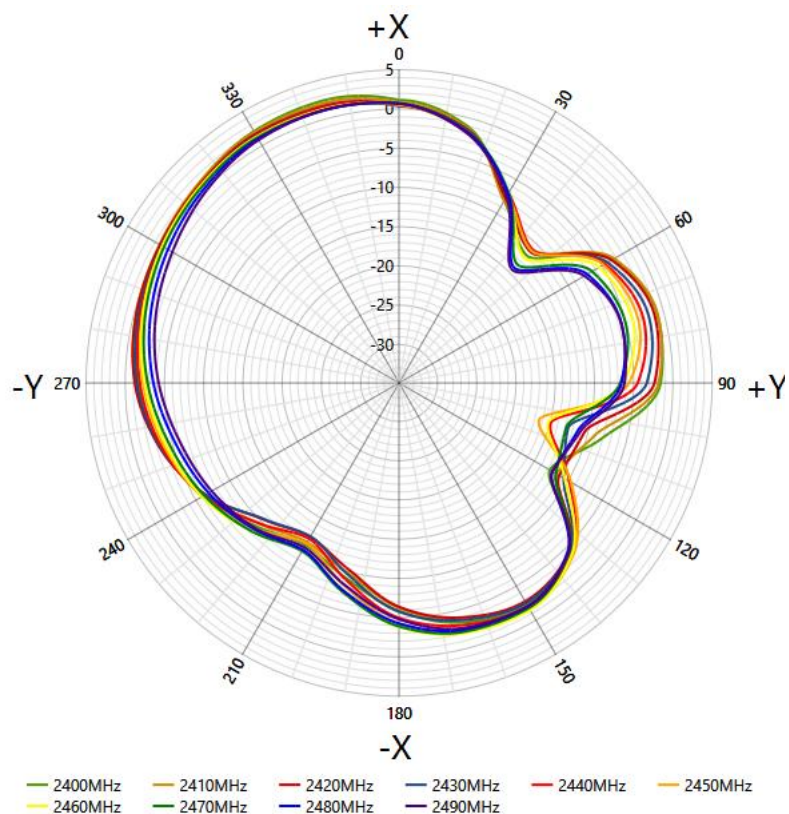
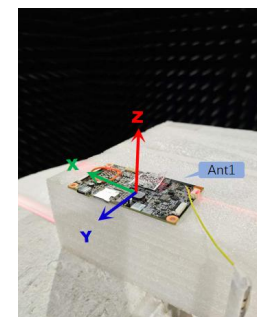


2.44GHz



4. 2D Radiation Patterns for Ant1

Angeei



5. Peak Gain& Efficiency

Frequency (MHz)	Peak Gain(dBi)	Efficiency(%)
2400	2.9	61.1%
2410	2.6	60.0%
2420	2.4	57.9%
2430	2.4	55.2%
2440	2.5	53.7%
2450	2.6	52.5%
2460	2.7	51.4%
2470	2.5	50.9%
2480	2.2	49.8%
2490	1.8	47.1%

A photograph of a radio telescope array at night. Several large, white, parabolic dish antennas are visible, mounted on metal structures. The sky is dark and filled with stars, with the Milky Way galaxy clearly visible as a bright, hazy band of light stretching across the upper half of the frame. The foreground is dark and appears to be a field or a cleared area. The overall scene conveys a sense of astronomical observation and scientific research.

Thank you!