

Specification For Approval

Data: 2025.04.16

Version: v1.0

Customer: /

Customer P/N: /

Supplier P/N: F00100010093

XGimi P/N: 409-00239-001

Description:

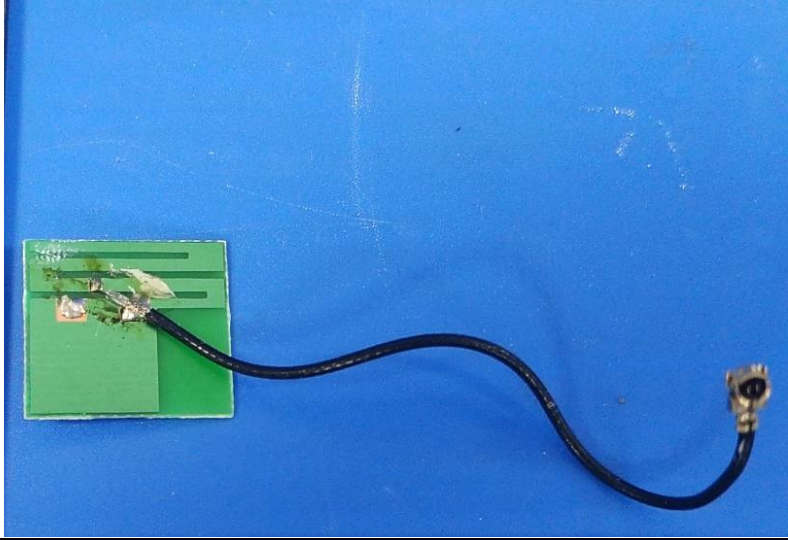
Company: XGIMI Technology Co., Ltd.

Address: Building No. 4, Zone A, No. 1129, Shijicheng Road, Chengdu Hi-tech Zone, Sichuan Pilot Free Trade Zone, 610041 China

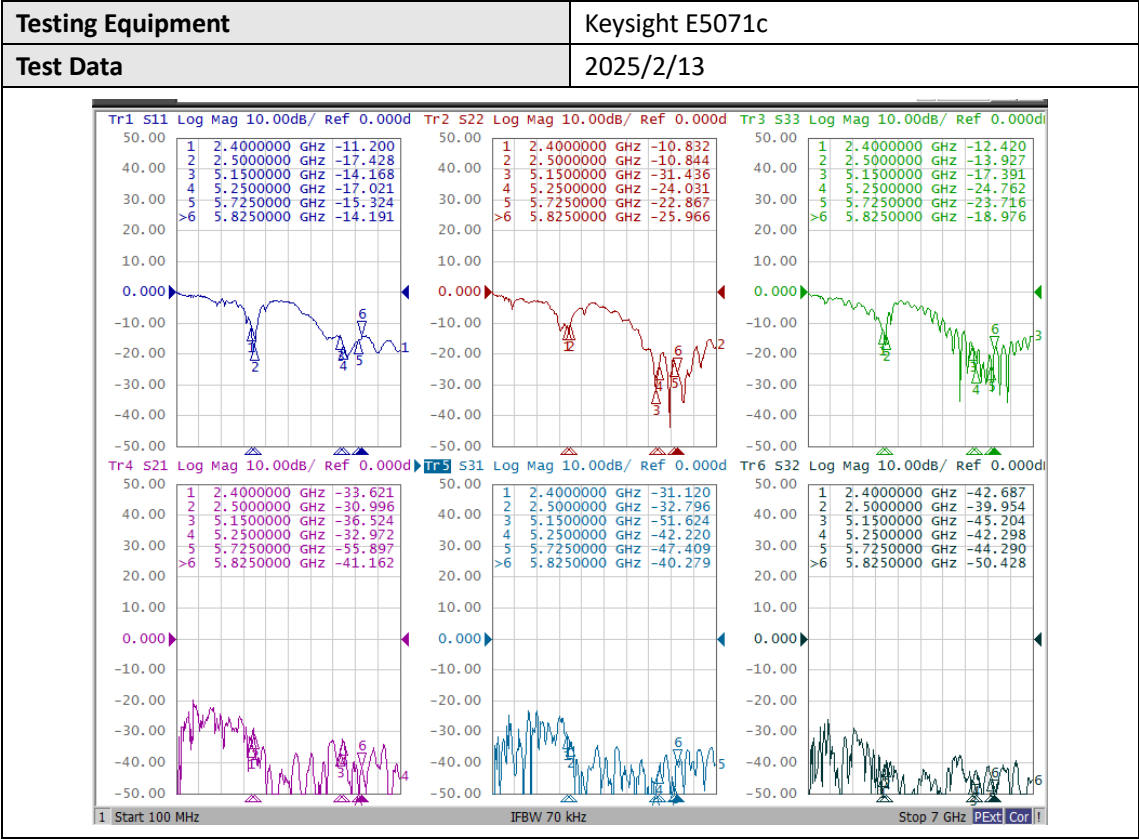
Product Number: 409-00239-001

Product Name: Antenna

1. Specification

Sample Photo	
	
A.Electrical Characteristics	
Frequency	☒ 2400~2500Mhz ☐ 433Mhz ☐ 5150~5850Mhz ☐ 2400~2500Mhz&5150~5850Mhz
Impedance	50 Ohm
S.W.R.	≤2.0
Antenna Type	Dipole
Peak Gain	2.4G: 2.0dBi
Max Input Power	2W
Polarization	Linear
Radiation pattern	Omni-Directional
B.Material&Mechanical Characteristics	
Material of Radiator	Cu
Cable Length	398mm
Connector Type	I-pex (the first Generation)
Connector Pull Test	0.5Kg
C.Environmental	
Operation Temperature	- 40℃~ + 80℃
Storage Temperature	- 40℃~ + 80℃

2. Antenna S-parameter Test Data

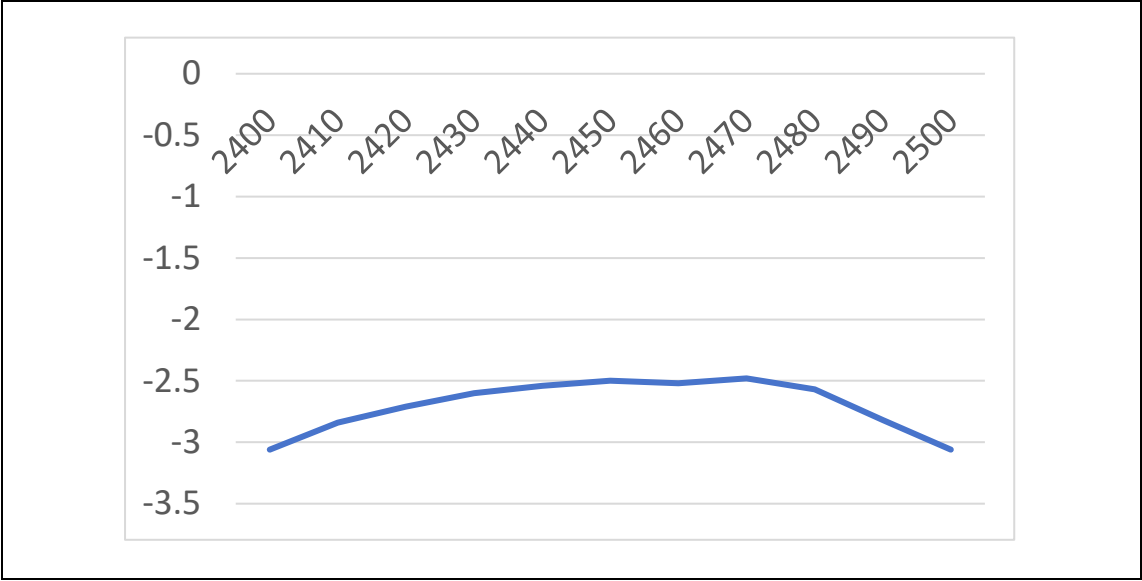


3. Antenna Radiation Pattern Test Data

Chamber Specification	
Absorption Darkroom	GTS 2800
Testing Equipment(passive)	Keysight E5080b
Testing Equipment(active)	R&S CMW270
Testing Equipment(Throughput)	Asus RT-AX88U
	

3.1. Peak Gain and Efficiency

Freq.(Mhz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain(dB)	1.03	1.13	1.38	1.77	1.93	2.00	1.30	1.39	1.41	1.3	1.19
Efficiency(dB)	-3.06	-2.84	-2.71	-2.6	-2.54	-2.5	-2.52	-2.48	-2.57	-2.82	-3.06



3.2. Radiation Pattern

