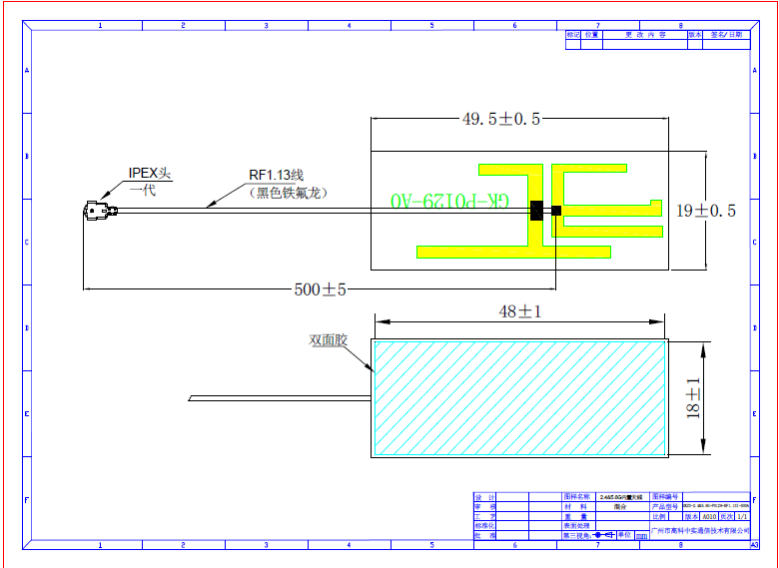


Specification For Approval

Client:	Shining 3D Tech Co., Ltd. No. 1398, Xiangbin Road, Wenyan, Xiaoshan, Hangzhou, Zhejiang, P.R. China
Supplier	Gaoke Ant Co., Ltd.
Customer P/N	P00039769 A010 F1
Production Name	2.4&5.8G Internal antenna
Production Number	GKZS-2.4&5.8G-P0129-RF1.13I-500A

Construction design

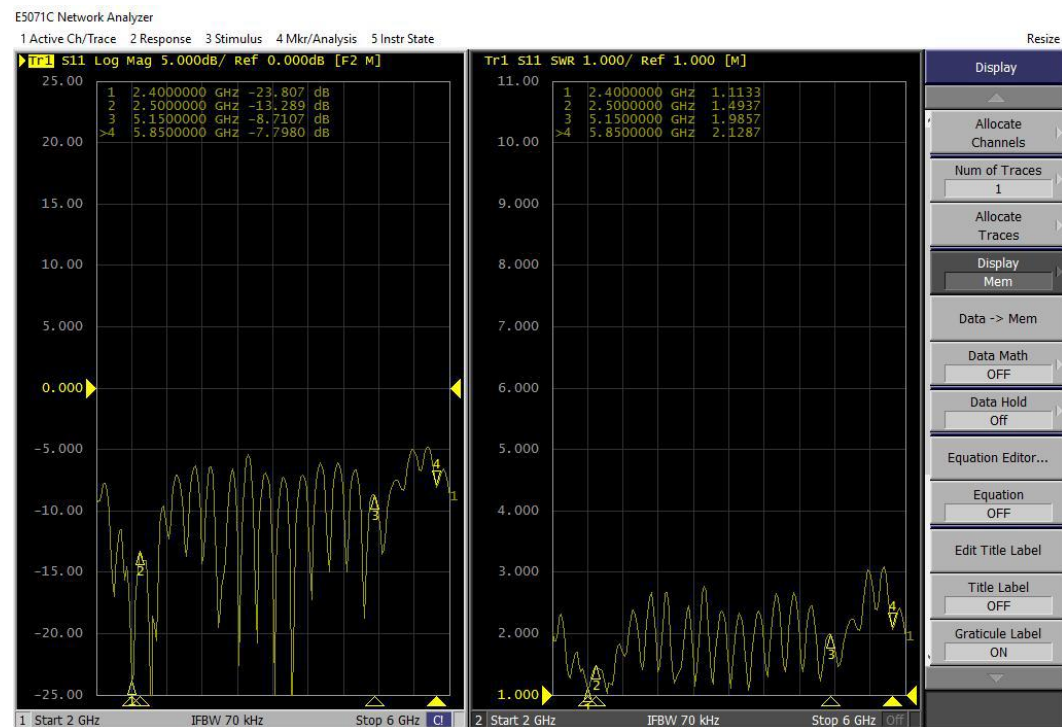


Photos

Technical parameters

Design Specifications	Typical
Antenna Type	internal antenna (FPC)
working Frequency	2400-2500MHz、5150-5850MHz
Gain	5.05dBi Max@2400-2500MHz 4.49dBi Max@5150-5850MHz
Antenna efficiency	$\geq 20\%$ @2400-2500MHz $\geq 10\%$ @5150-5850MHz
VSWR	≤ 2.5
Polarization	H/V
Radiation pattern	Omni
impedance	50 Ω
Power handling	33dBm
Interface	IPEX / RF1.13 cable 500mm
Overall dimensions	49.5x19mm
Weight	$\leq 5g$
Operating Temp	-40°C~85°C

Standing wave ratio & return loss diagram



Radiation pattern (3D&2D)

