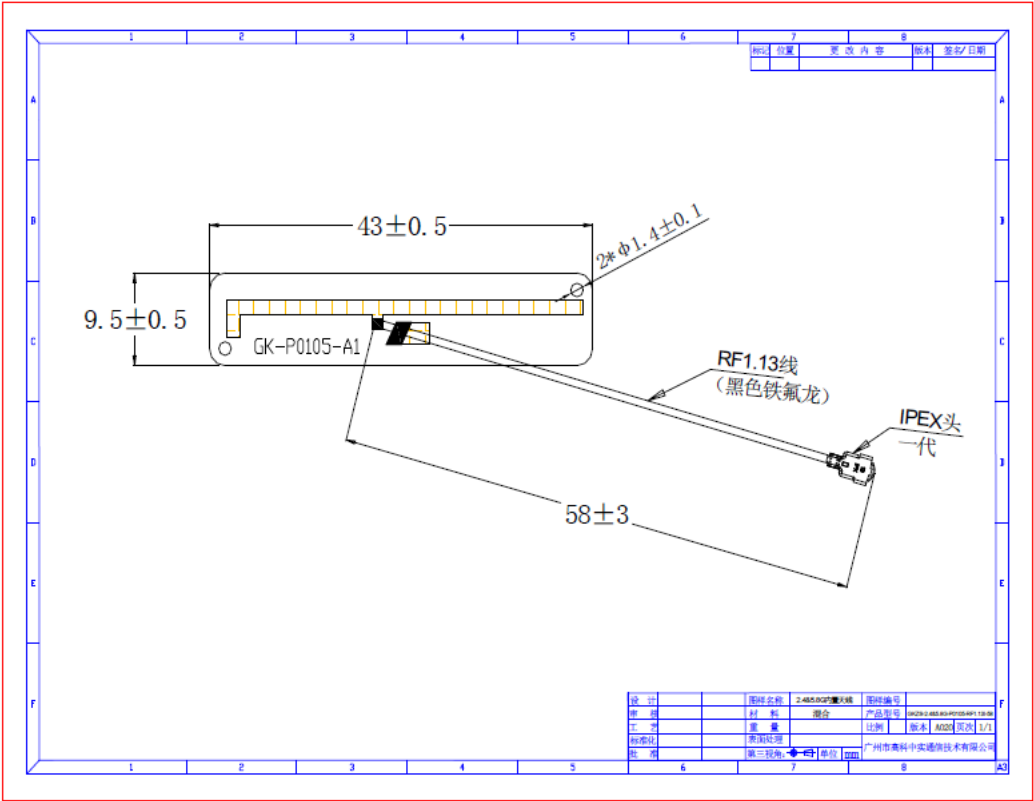


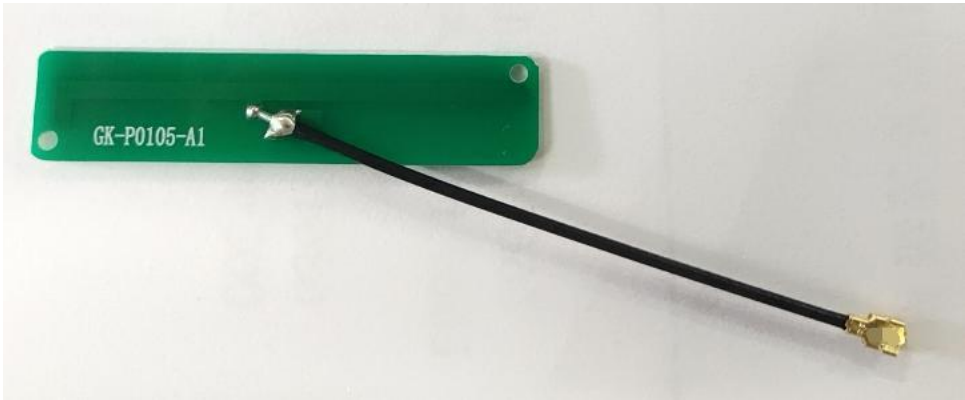
Specification For Approval

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	EE0000237
Production Name	2.4&5.8G Internal antenna
Production Number	GKZS-2.4&5.8G-P0105-RF1.13I-58

Construction design



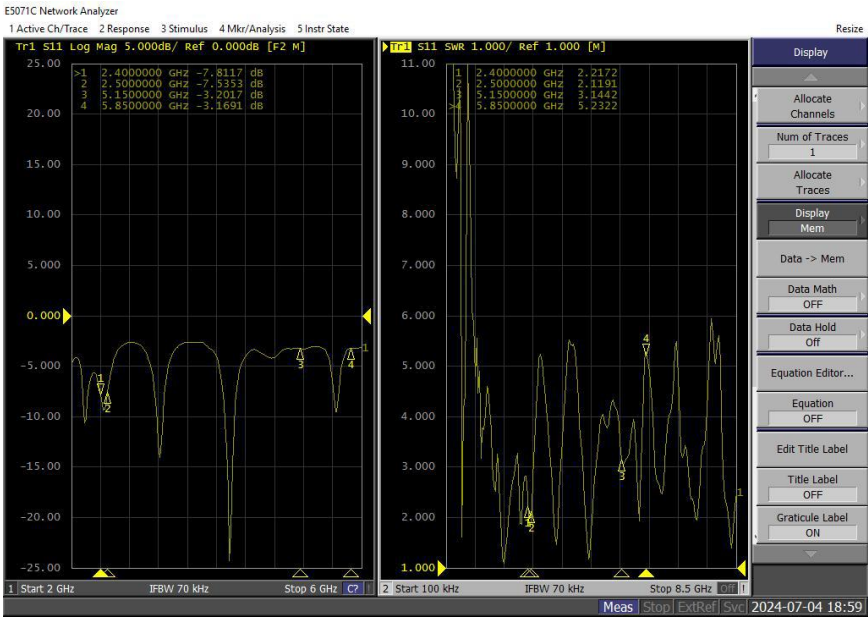
Photos



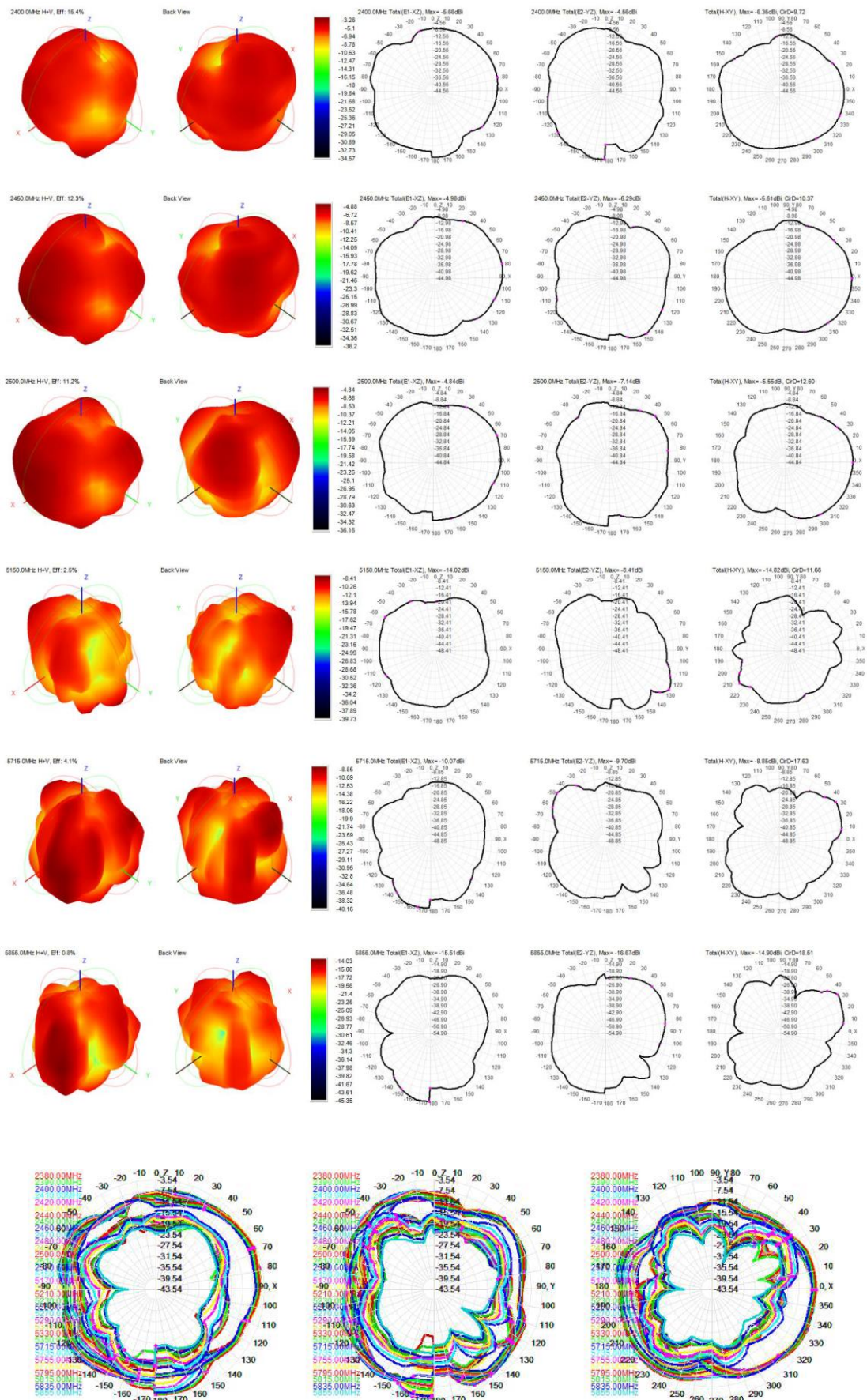
Technical parameters

Design Specifications	Typical
Antenna Type	WIFI internal antenna (PCB)
working Frequency	2400-2500MHz、5150-5850MHz
Gain	-4.44dBi (AV)、-3.26dBi (PK) @2400-2500MHz -10.50dBi (AV)、-8.41dBi (PK) @5150-5850MHz
Antenna efficiency	≥10%@2400-2500MHz ≥5%@5150-5850MHz
VSWR	≤5.5
Polarization	H/V
Radiation pattern	Omni
impedance	50Ω
Power handling	33dBm
Interface	IPEX / RF1.13 cable 58mm
Overall dimensions	43x9.5mm
Weight	≤5g
Operating Temp	-40℃~80℃

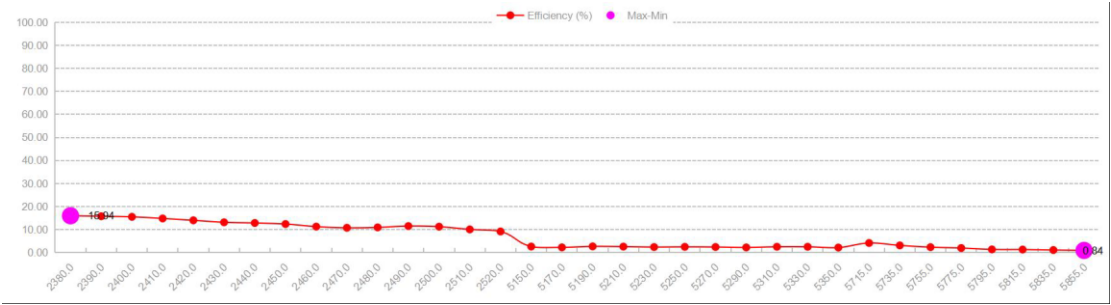
Standing wave ratio & return loss diagram



Radiation pattern (3D&2D)



Efficiency curve



Gain curve



