

SPECIFICATION FOR APPROVAL

Client: Hangzhou Xiongmai Technology Co., Ltd

Description of goods: NEW-WiFi antenna-FPC-2.4G-5DBI- Square - white RF coaxial
line length L = 200MM with socket

XinErSheng Material No: SFANT11A14361

XM Material No: JA.03.02.01.455

Date: 2023.3.17

Version: A/0

Client admission:

CONFIRM	PROCESS	APPROVAL
ORGANIZER	CHECK	APPROVAL

ShenZhen XinErSheng Technology Co.,Ltd

ORGANIZER	CHECK	APPROVAL
Biao	LiSen	Amy

Main technical specifications of product

		Frequency Range(MHZ)	2400-2483
		Impedance(Ω)	50 ± 10
		Gain(dBi)	3.96 ± 0.5
		ReTurnLoss(dB)	≤ -10
		VSWR	≤ 1.92
		Admitted Power	1W
		Polarization	Linear Vertical
		Connector Type	IPEX
		Physical Properties	
		Antenna Base	PC+ Fireproof material
		Operating Temp	-20℃ -+60℃
		Storage Temp	-20℃ -+70℃

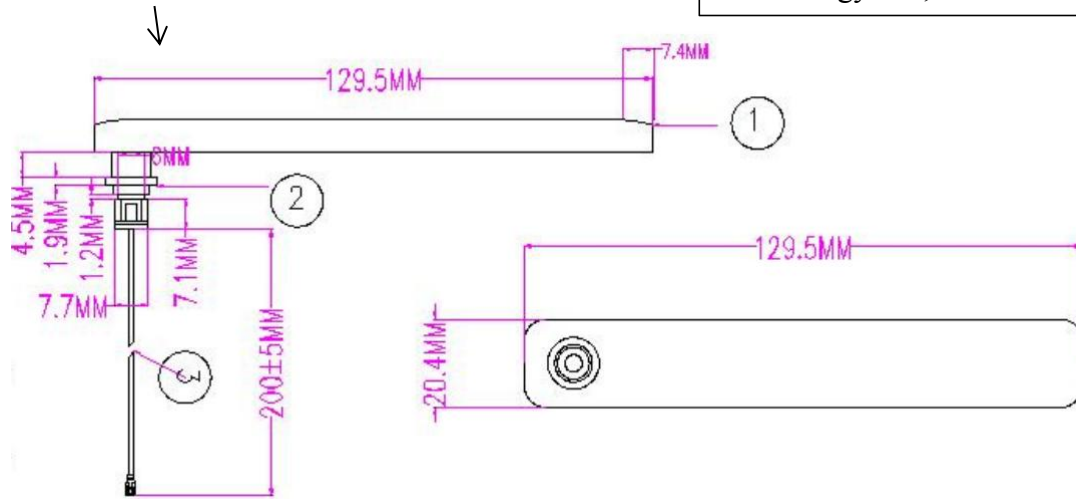
List of raw materials

Component number	Component Name	Main material	quantity	remarks
1	Square upper cover	PC+ Fireproof material	1	PCS
2	Square lower cover	PC+ Fireproof material	1	PCS
3	wire	1.13 BLACK	1	PCS
4	PCB	FR4	1	PCS

Finished product diagram

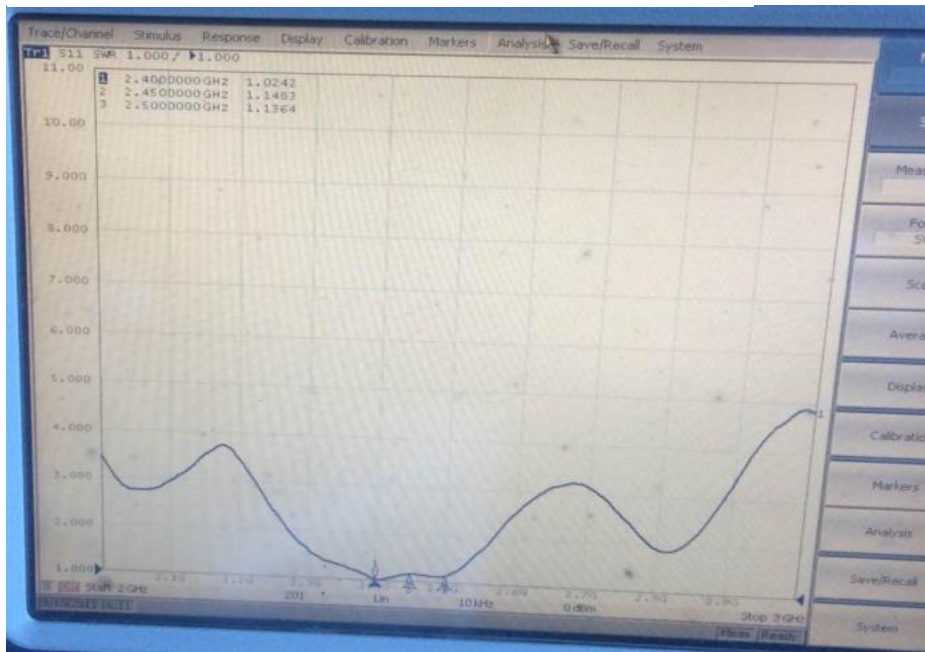
NEW-WiFi antenna-FPC-2.4G-5DBI- Square - white RF
coaxial cable length200mm- with socket

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Technology Co.,Ltd

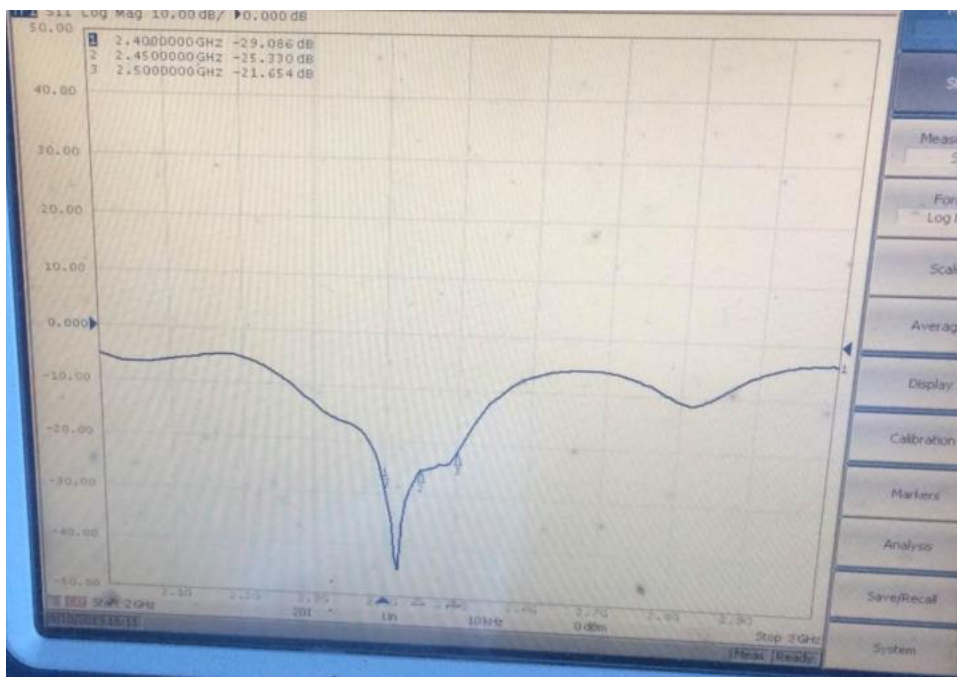


Main technical specifications of product

Network Analyzer Test Report: standing-wave ratio



Return loss:



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2D、3DRaditation Pattern

2.4G testing data

Frequency	Efficiency (%)	Gain (dBi)
2400MHZ	61.50%	3.79
2410MHZ	61.80%	3.65
2420MHZ	60.20%	3.6
2430MHZ	62.50%	3.83
2440MHZ	64.70%	3.96
2450MHZ	63.20%	3.94
2460MHZ	61.30%	3.95
2470MHZ	63.80%	3.96
2480MHZ	59.50%	3.91
2490MHZ	58.20%	3.95
2500MHZ	60.70%	3.89

