

SPECIFICATION FOR APPROVAL

Supplier Name:	Shenzhen Broad-Shine Technology Co., LTD
Customer Material Name:	2.4G/5.8G WIFI Antenna
Supplier Part Name:	2.4G/5.8G WIFI Antenna
SPN No:	BDS2409088
Sample Delivery Date:	2026.4.15

Version number	Content of Changes	Reason for Changes	Time of Change	Signature

Supplier		
Approval	Review	Preparation
Xuexing Zhu	XiongWu	YongZhou

Customer		
Engineer	Test	Approval

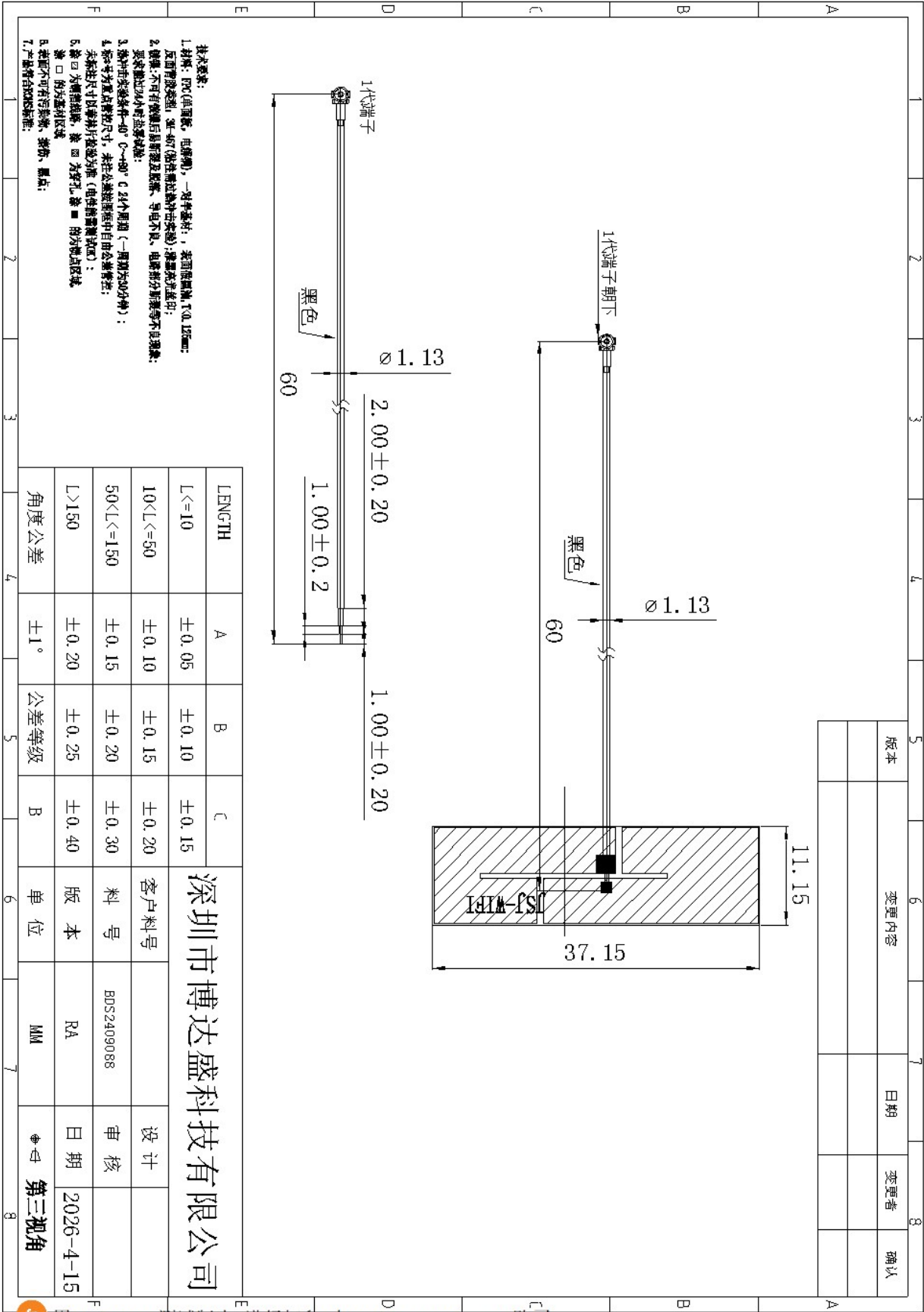
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一、 Main Technical Information:

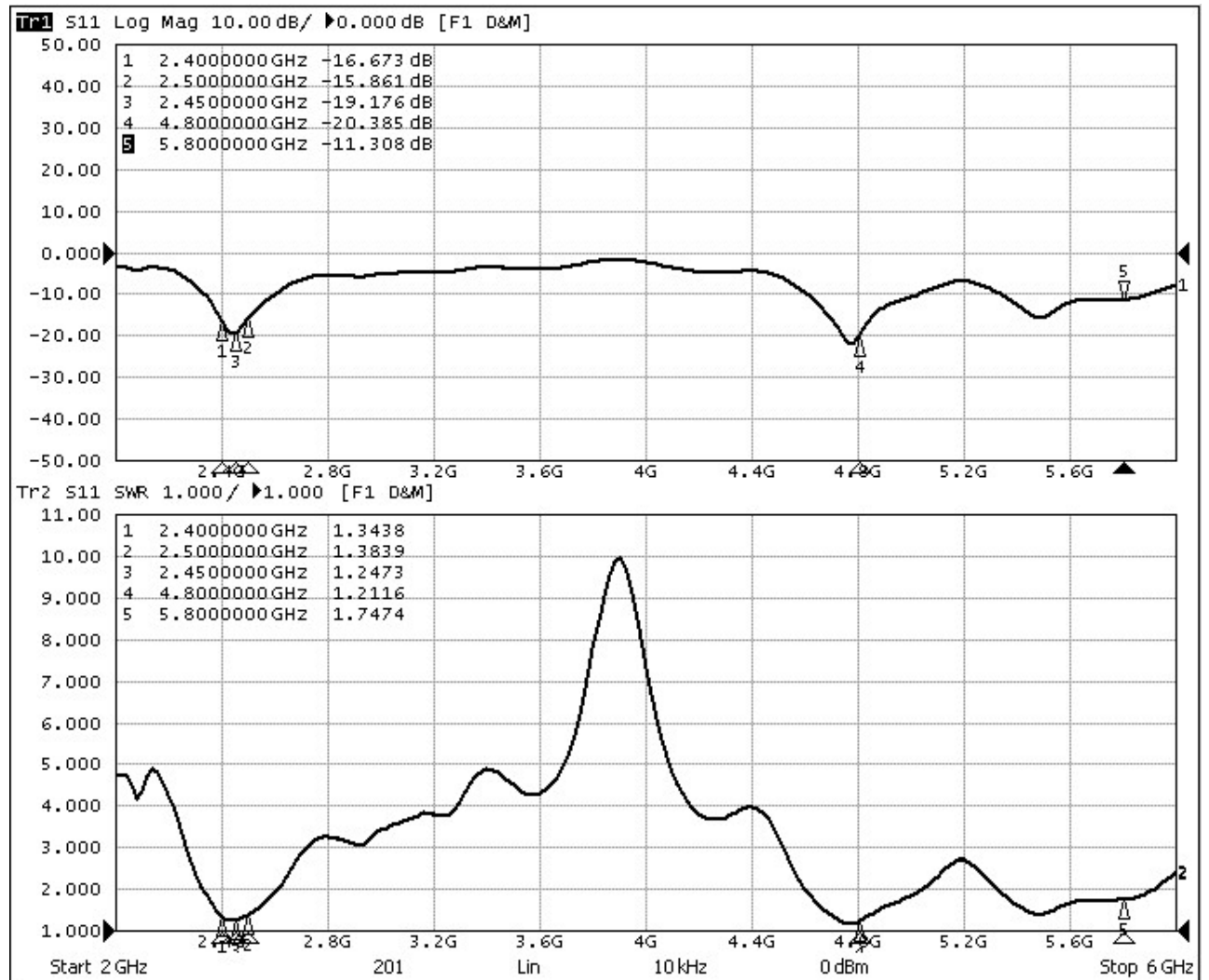
Main Technical Data		Main technical specifications	
Frequency Range Frequency Range MHz Scope)	2.4GHZ /5.8GHZ	Frequency Range (MHz)	2.4GHZ /5.8GHZ
Characteristic Impedance (Ω)	50	Impedance(Ω)	50
Gain(dBi)	5.14dBi	Peak Gain(dBi)	5.14dBi
Voltage Standing Wave Ratio	≦ 2	VSWR	≦ 2
Max Power	50W	Admitted Power	50W
Polarization Mode	Vertical Polarization	Polarization	Vertical polarization
Directivity	Omni-directional	Radiation	Omni-directional
Connection Type	IPEX 1	Connector Type	IPEX 1
Physical Characteristics		Physical Properties	
Antenna Cable	/	Antenna cable	/
Operating Temperature	-10℃~+40℃	Operating Temp	-10℃~+40℃
Storage Temperature	Ambient Temperature	Storage Temp	Storage at Room Temperature

二、 Finished Product Drawing:



三、Test Report

3.1: VSWR:



3.2: Radiation Pattern:

Passive Test For WIFI		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	54.92	3.07
2410	57.89	3.71
2420	53.06	3.34
2430	52.45	3.48
2440	59.73	4.05
2450	55.84	3.69
2460	58.58	3.93
2470	63.64	4.33
2480	65.86	4.53
2490	63.66	4.32
2500	69.7	4.76

Passive Test For 5G		
Freq (MHz)	Effi (%)	Gain (dBi)
5150	46.4	2.91
5200	40.87	2.79
5250	49.93	3.34
5300	49.24	3.6
5350	40.79	2.96
5400	52.76	3.63
5450	47.88	2.32
5500	51.48	3.17
5550	46.69	2.04
5600	50.87	3.8
5650	63.27	4.84
5700	54.27	3.25
5750	56.45	3.74
5800	60.66	4.71
5850	64.5	5.14

3.3: Radiation Pattern:

