



SPECIFICATION FOR APPROVAL

Customer Name	Edan	
Product Model NO. :	01.06.016974010	
Specification	WiFi External Antenna	
MPN:	BGS-001F (RA version)	
Manufacturer	Shenzhen Bogesi Communication Technology Co., Ltd	
Approve Date	2024/10/16	
Supplier Sign and Seal		Customer Sign and Seal

Note: 1. After the electronic file or paper file that has been stamped by BGS and was provided to the customer,, the customer need to sign the paper or electronic file of the approval back to BGS before place the formal order to BGS. If there is no formal change or change notice, BGS acquiesce that the customer approve and accept this specification of product .

2. The relevant intellectual property rights of this product are owned by Shenzhen Bogesi Communication Technology Co., Ltd. Without the permission of our BGS, please do not apply for patent rights for this product in other names, and please do not disclose this product and related information to others or provide to third-party for viewing and use.



深圳市博格斯通信技术有限公司

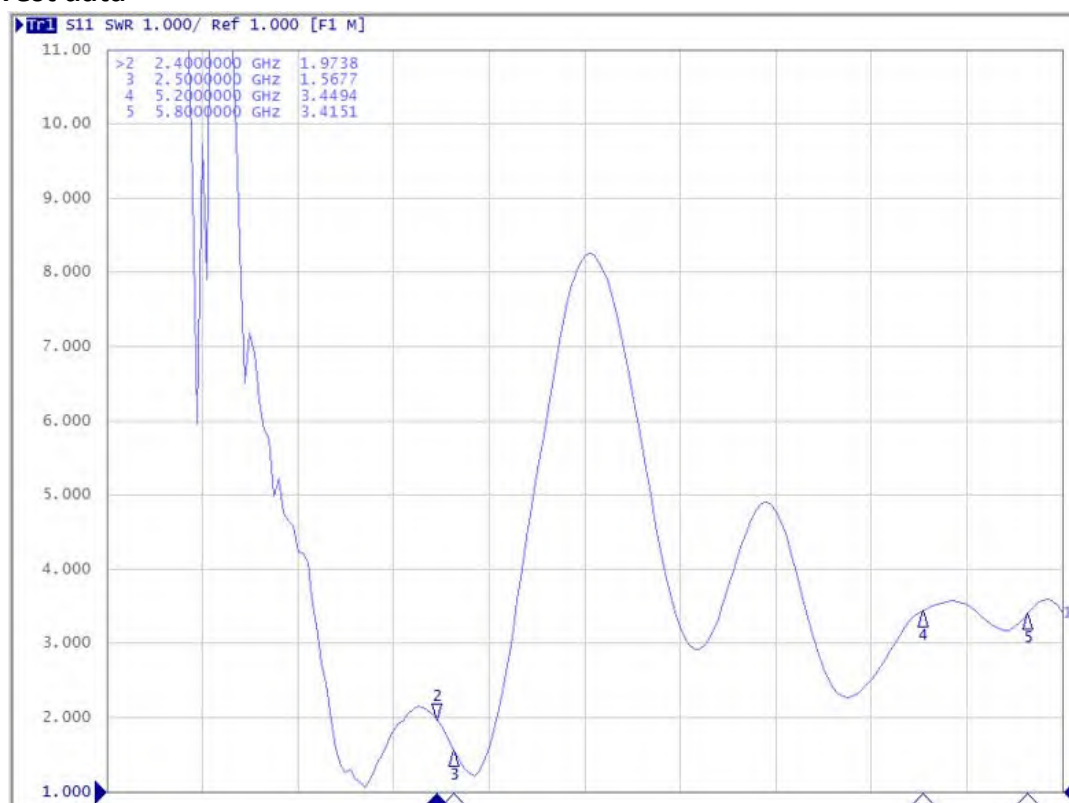
shenzhen bogesi communication technology co.,ltd

Application:

Applied on the WiFi External Antenna project

Electrical specifications:			
Frequency band	2.4G/5.8G	Antenna material	Mixed
Impedance	50Ω	Antenna connect type	RP-SMA-J
Gain	See the test data	Working Temperature	(-40℃~65℃
Polarization	Linear polarization	Storage Temperature	+19℃~+23℃
Test instruments	Test Method		Test result
Aglient E5071B Network Analyzer	Connect the sample with the network Analyzer, test the SWR		see the test data

Test data



Passive test data

Passive Efficiency 2400M-2500M

Freq (MHz)	Effi (%)	Gain (dBi)
2400	80.76	3.45
2410	85.84	3.78
2420	81.13	3.81
2430	83.86	4.21
2440	83.46	3.96
2450	84.27	4.14
2460	78.44	3.92
2470	82.48	4.12
2480	78.56	3.91
2490	83.22	4.16
2500	80.21	4.1

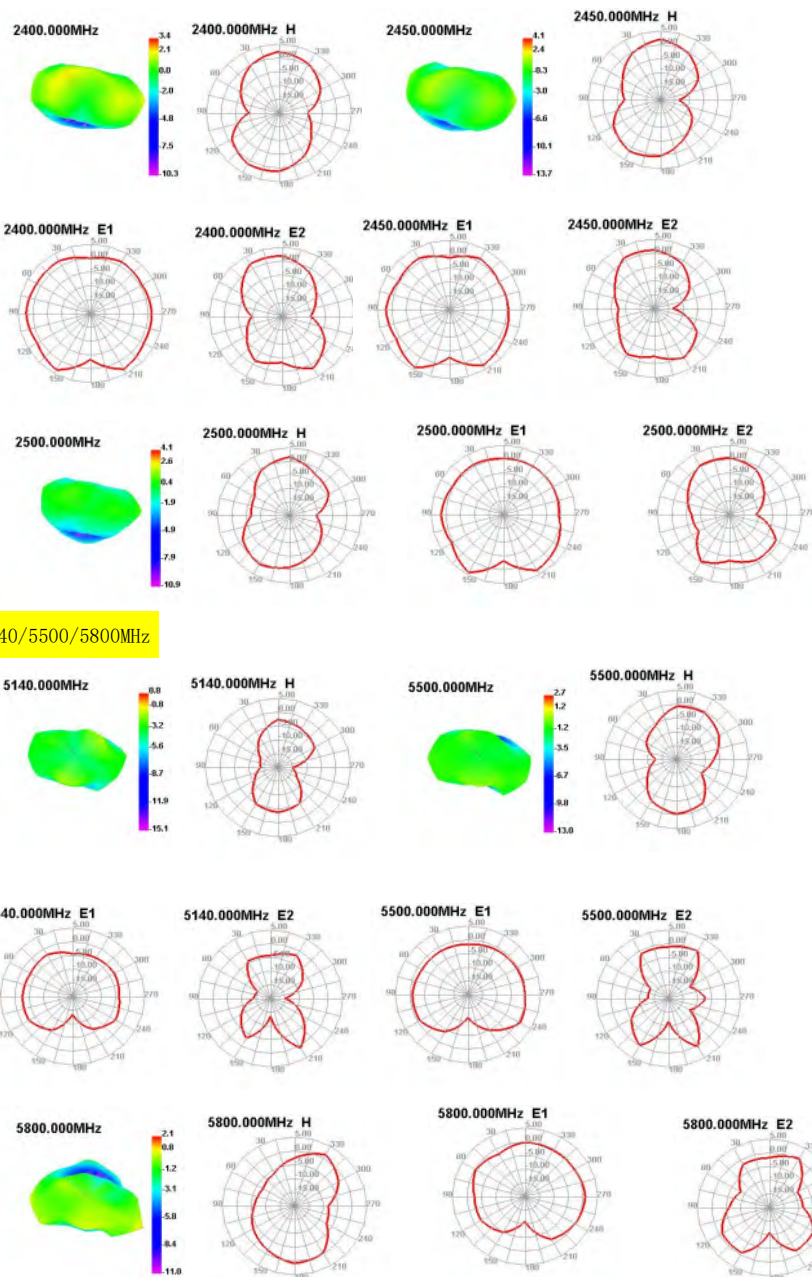
Passive Efficiency 5100M-5800M

Freq (MHz)	Effi (%)	Gain (dBi)
5100	54.76	2.41
5120	52.33	1.1
5140	65.42	0.8
5160	59.1	0.19
5180	51.44	-1.54
5200	49.42	-2.4
5220	50.42	-1.63
5240	49.94	-1.67
5260	53.86	-1.2
5280	57.75	-0.87
5300	61.44	0.39
5320	53.69	1.72
5340	58.51	2.06
5360	51.75	2.12
5380	57.09	3.04
5400	55.97	3.22
5420	59.73	3.04
5440	60.95	2.73

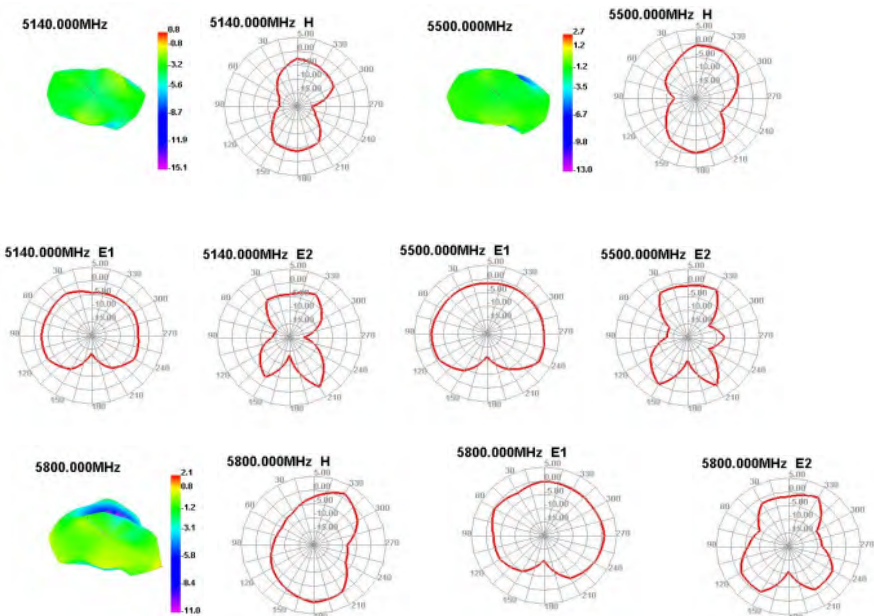
Passive Efficiency 5100M-5800M

Freq (MHz)	Effi (%)	Gain (dBi)
5460	57.53	2.74
5480	62.97	3.19
5500	60.6	2.74
5520	66.33	2.84
5540	74.79	3.33
5560	76.06	3.66
5580	77.82	3.91
5600	78	3.63
5620	76.84	3.41
5640	77.55	3.95
5660	76.66	4.09
5680	78.14	3.73
5700	77.03	3.11
5720	75.66	3.41
5740	75.18	3.4
5760	75.25	3.09
5780	69.53	2.32
5800	65.92	2.11

Radiation pattern



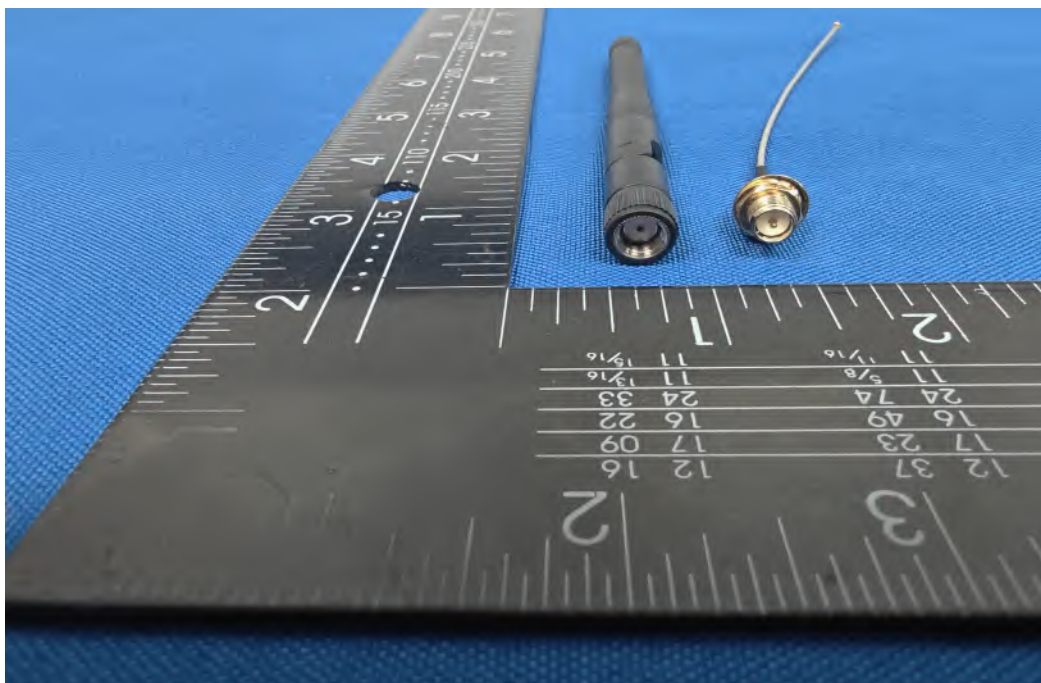
5140/5500/5800MHz



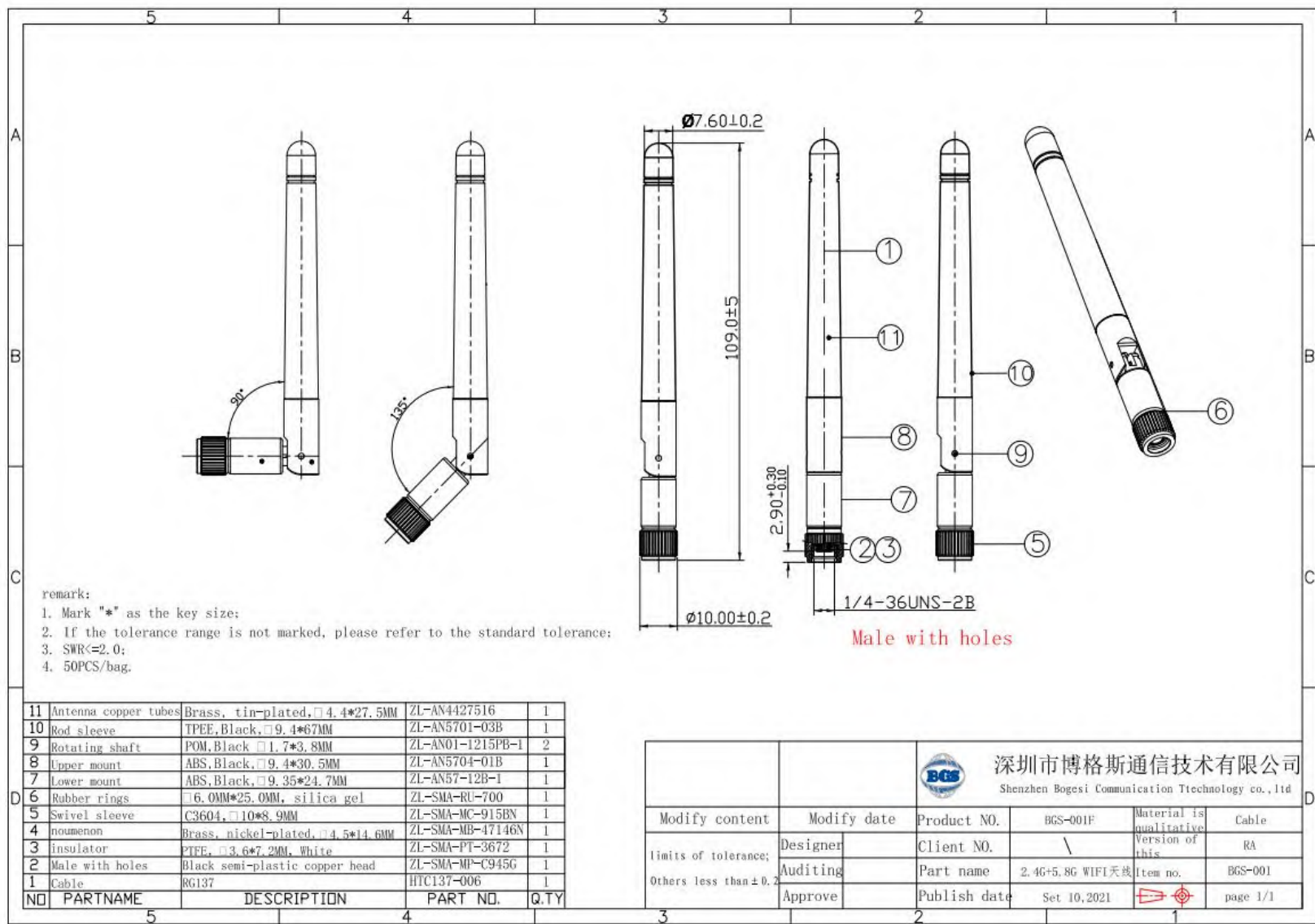


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Sample picture:



ADD:Room 308, Block B, Sibiono Gene Therapy Park, NO. 19, 1st Science 17:19echnology Middle Road, Hi-Tech Industry Park(Middle), Nanshan District, Shenzhen





Antenna Package

一、Outer package: carton box

Front view:



Side view:



二、Inner package (50pcs antennas in 1 PE Bag, the PE bag size is depend on the antenna size)





ROHS Report/ROHS报告

Product Description 产品描述		2.4G+5.8G WIFI外置胶套天线	BGS P/N 博格斯料号		BGS-001F			Declaration Date 宣告日期		2024/10/16
No. 序号	Part name 部件名称	Homogeneous Material Name 均质材料名称	The homogeneous material contains the value of RoHS restricted substance (ppm) 均质物料内含有RoHS限制物质的量值 (ppm)						Certification number 检测报告编号	Test date 检测日期
			Cd	Pb	Hg	Cr+6	PBB	PBDE		
1	Rod sleeve 杆套	TPEE	ND	ND	ND	ND	ND	ND	A2240057268120001	2024/3/13
2	Wire 线材	RG coaxial cable/RG同轴电缆	ND	ND	ND	ND	ND	ND	SZXEC24002490602	2024/8/8
3	Brass strips 铜管	Brass/黄铜	ND	2.55	ND	ND	ND	ND	SZXEC24001589306	2024/5/27

Notes:

Material analysis expansion table is similar to our company's machine type BOM, which describes the composition of each material provided by the supplier, and then conducts RoHS control on each component (or the supplier shall conduct RoHS compliance management on his supplier, and provide tripartite inspection certificate).

A complete material analysis expansion table that includes:

- 1. Material expansion table: component composition decomposition
- 2. Third-party verification report of each component

说明:

材质分析展开表类似于我们公司的机种BOM，就供应商提供的每个物料进行组成说明，然后就每一种组成进行ROHS控制（或者说供应商要对他的供应商进行ROHS符合性管理，提供每三方检测证明）。

一份完整的材质分析展开表，它包括：

- 1 材质展开表:零件组成分解
- 2 各组成的第三方验证报告