



# 深圳市博格斯通信技术有限公司

## shenzhen bogesi communication technology co.,ltd

Room 308, Block B, Cybernino Gene Therapy Park, No. 19, Science and Technology Road 1, Nanshan District, Shenzhen, China

Applicable to AVM30 project BT antenna solution

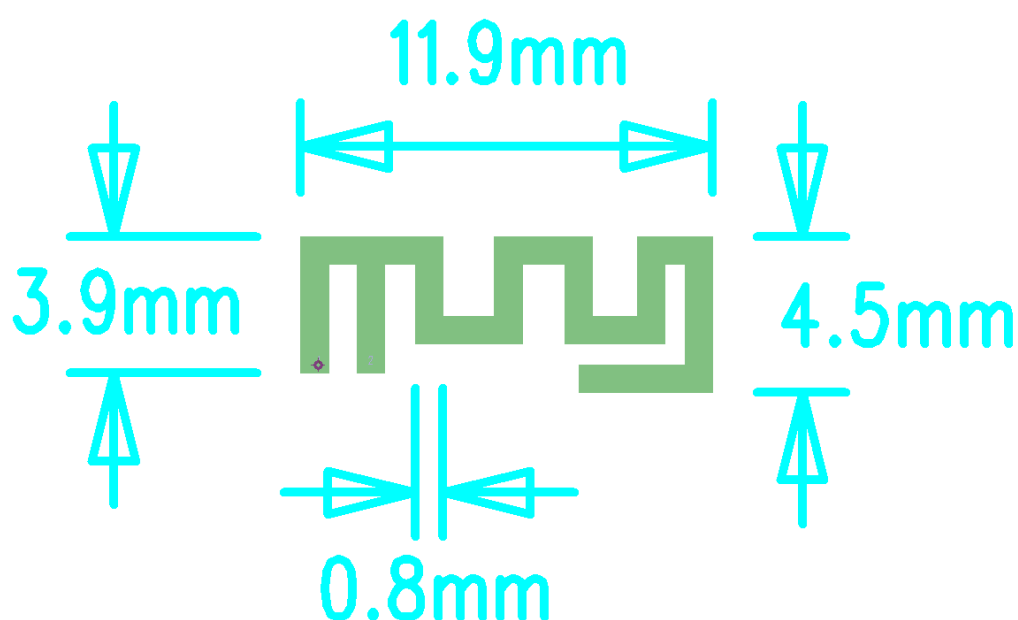
### Electrical Specifications:

Frequency Band	2400-2500MHz;	The Antenna Material	PCBA
Nominal Impedance	50 $\Omega$	Antenna Connection Mode	
VSWR	$\leq 3.0$	Working Temperature	-40℃~+85℃
Peak Gain	2400-2500MHz: 1.68dBi	Keep The Temperature	+19℃~+23℃
		Polarization	Linear Polarization

### Test Conditions And Methods:

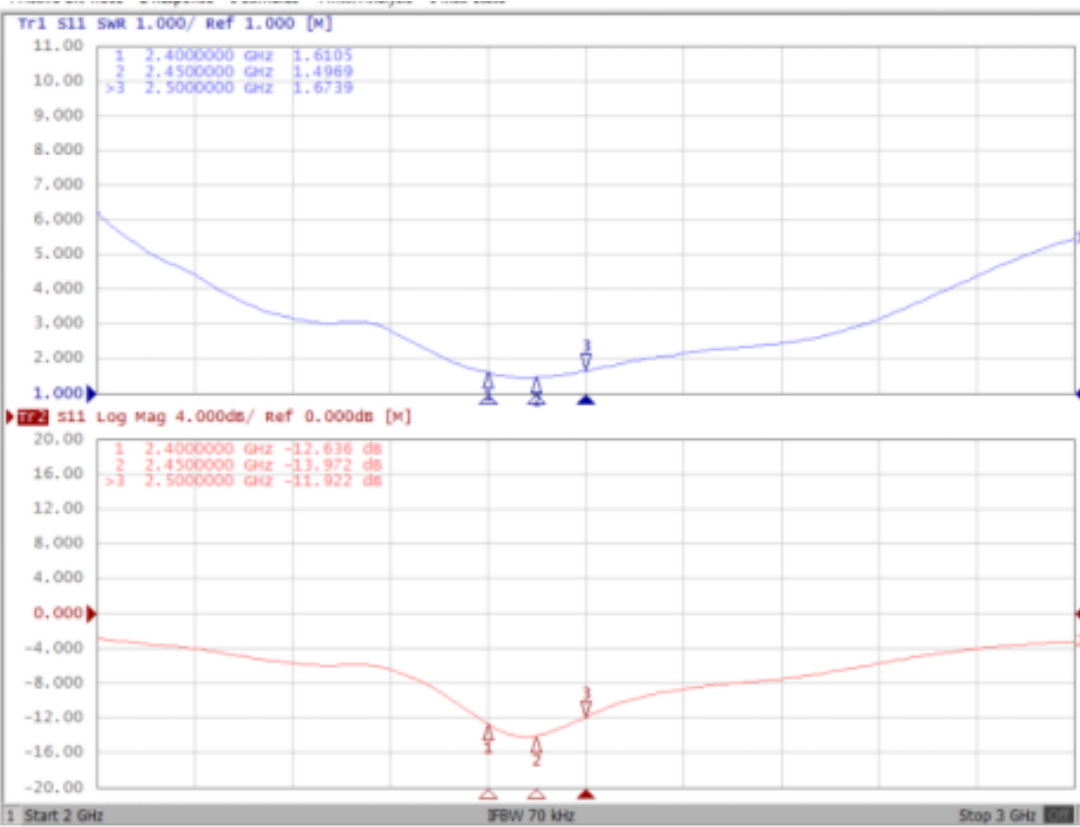
Test Instruments	Test Method	Test Result
E5071B network analyzer 48 probe test system MT8862 comprehensive tester	<ol style="list-style-type: none"><li>1. Assemble the antenna to be tested on the prototype.</li><li>2. Put the prototype on the test fixture in a dark room, and conduct comprehensive test with it. Instrument/analyzer connection is established.</li><li>3. Test antenna passive data with test software.</li></ol>	Refer to the Test Report

### Product drawings



Passive performance test parameters

Frequency (GHz)	2.4	2.5
VSWR	1.6105	1.6739



Antenna passive data:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	40.05	1.65
2410	41.24	1.68
2420	41.08	1.63
2430	39.42	1.45
2440	38.84	1.33
2450	38.15	1.14
2460	38.48	0.99
2470	37.51	0.69
2480	36.89	0.56
2490	36.2	0.51
2500	35.12	0.34

Directional diagram

