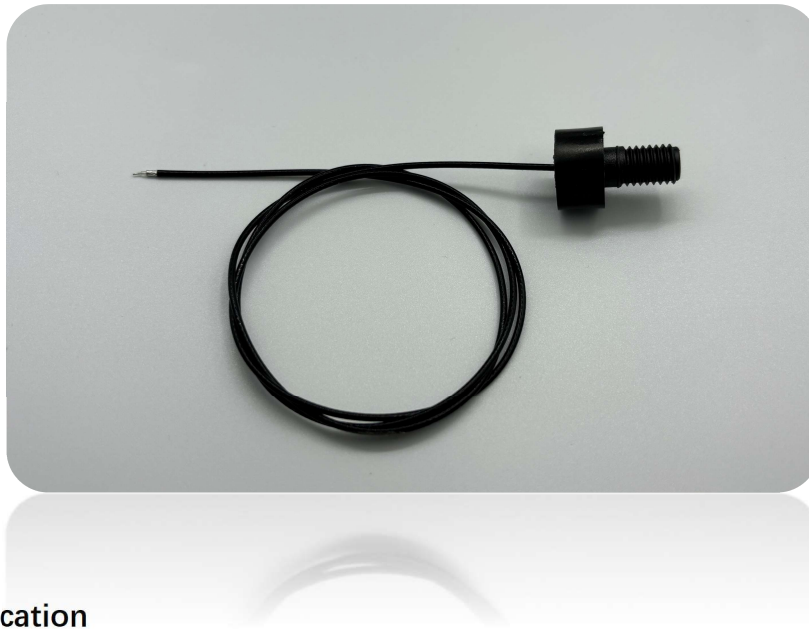


SPECIFICATION



1 、 Part specification

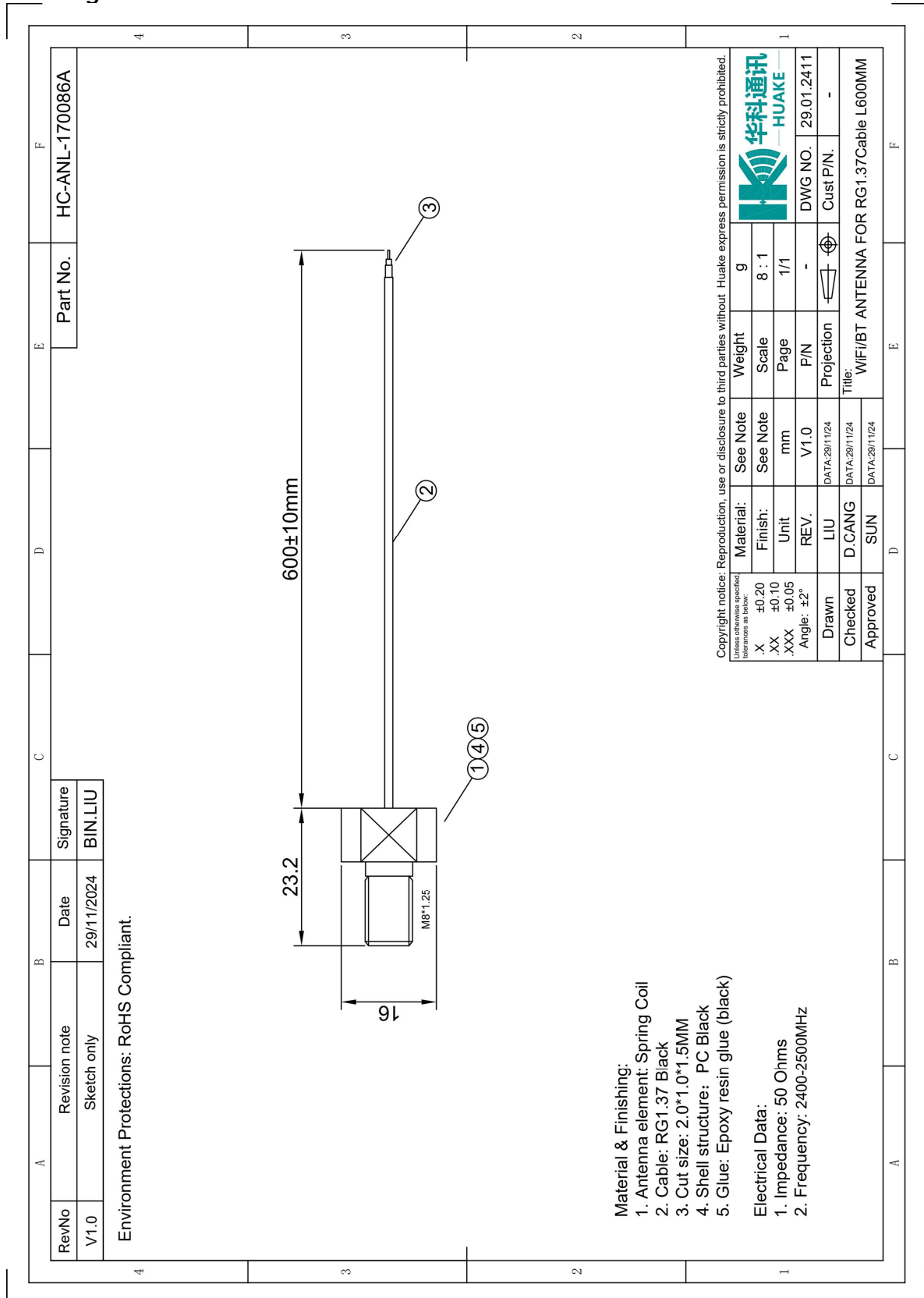
Product name: 2.4G Antenna		Part no: HC-ANL-170086A
1	Connector Type	-
2	Connector Coating	-
3	Cable Type	RG1.37
4	Outer shell	PC
6	Technology	Filling seal
7	Radiating Element	spring

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2 、Pharacteristic parameter

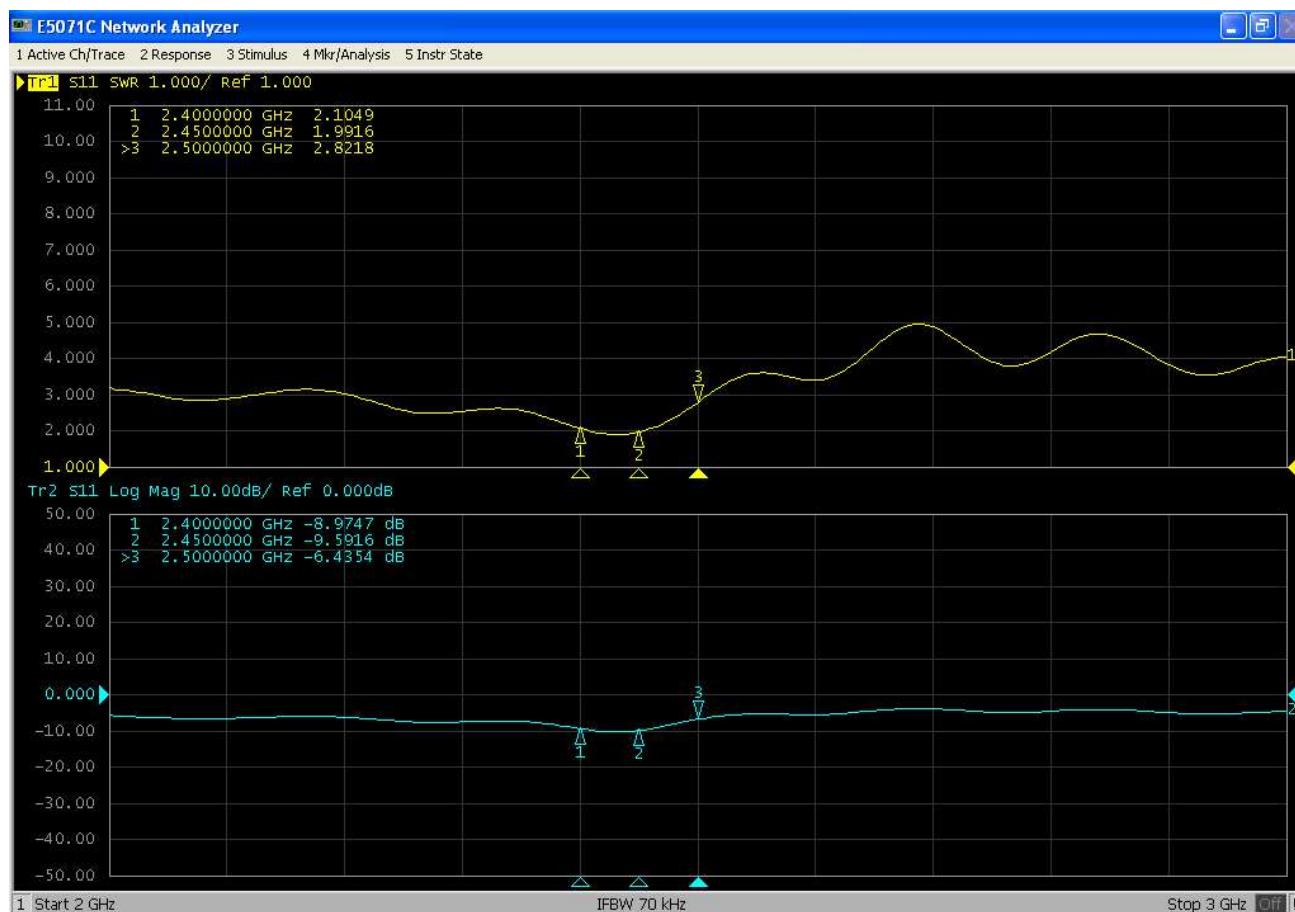
Frenquency Rang	2400-2500MHz
Impedance	50Ω
Radiation	Omnidirectional
Polarization	Linear
Coating	-
Height	23.2*16mm
Cable Length	600mm
working Temperature	-45- + 85℃
Storage Temperature	-45- + 85℃
Applicable Band	WiFi/BT
Humidity	< 95%
Installation mode	weld

3、Drawing



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4、VSWR experiment



*All results were measured with 100mm length 1.13mm coaxial cable and on 3mm thickness ABS base.

Frequency (MHz)	2400MHz	2450MHz	2500MHz				
VSWR	2.1	1.99	2.82				
Return LOSS (dB)	-8.9	-9.5	-6.4				
Test Instrument: E5071C							

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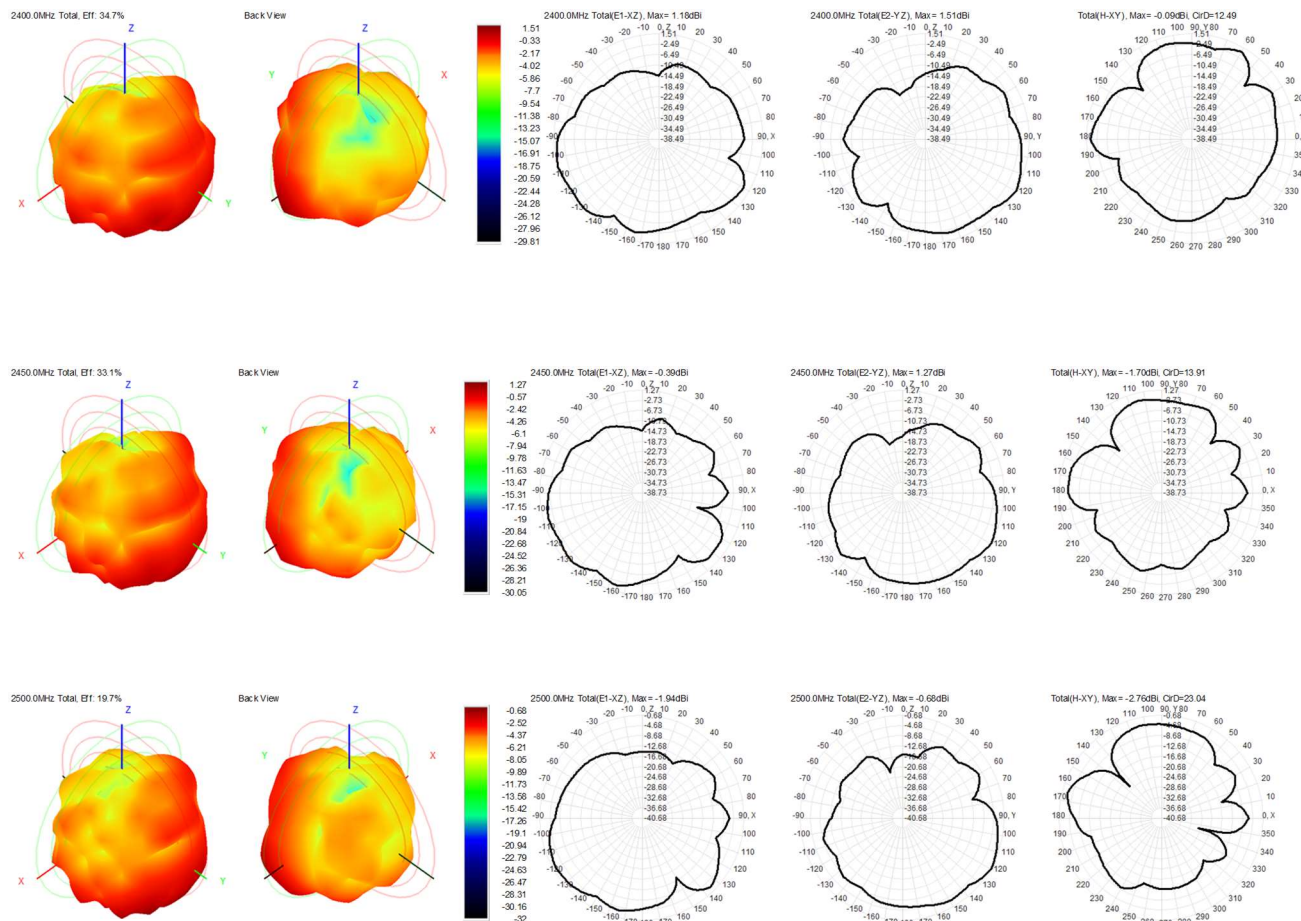
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5、Gain and efficiency

	Frequency (MHz)	Gain (dBi)	efficiency (%)	efficiency (dBi)
1	2400.0	1.51	34.74	-4.59
2	2410.0	1.38	34.91	-4.57
3	2420.0	1.40	35.79	-4.46
4	2430.0	1.32	34.61	-4.61
5	2440.0	1.47	35.40	-4.51
6	2450.0	1.27	33.05	-4.81
7	2460.0	1.27	32.30	-4.91
8	2470.0	1.17	29.24	-5.34
9	2480.0	0.95	25.75	-5.89
10	2490.0	0.20	22.79	-6.42
11	2500.0	-0.68	19.71	-7.05

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6、3D & 2D Radiation Pattern



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