



RSY-XHKJ V2.0

2.4G Bluetooth Antenna Specification



1.1Antenna Appearance Diagram

1. Product Description

RSY-XHKJ V2.0 is a communication antenna designed for 2.4G Bluetooth wireless communication systems. It features excellent VSWR (Voltage Standing Wave Ratio) performance, compact overall size, ingenious structure, easy installation and stable performance, along with good anti-vibration and anti-aging capabilities.

2. Performance Parameters

Center Frequency: 2.4-2.5G

VSWR: < 2 (1.5dB)

Gain: 1.9dB

Input Impedance: 50Ω

Interface Type: IPEX-3

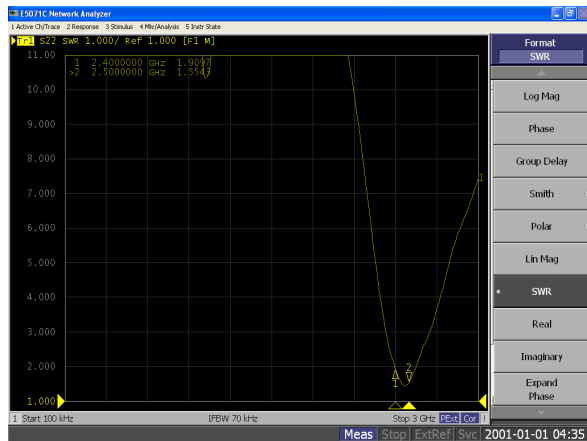
Antenna Color: Black



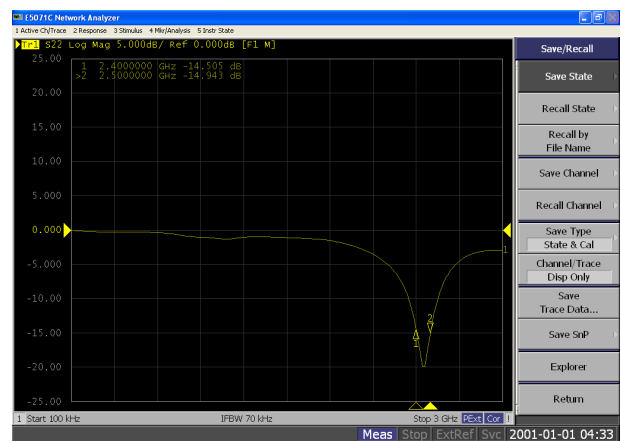
3. Mechanical Dimensions

Length: 50mm; Width: 7.5mm

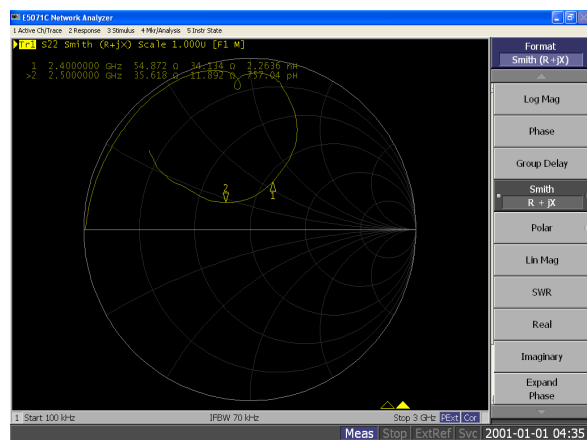
4. VSWR Diagram



1.2 VSWL



1.3 return loss



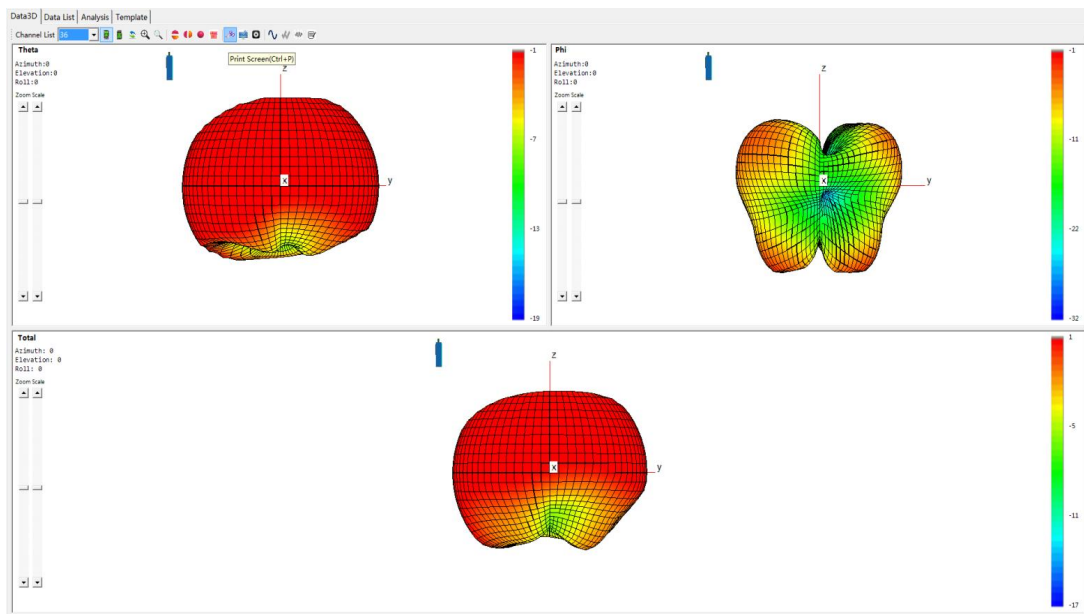
1.4 Smith Chart



5. Antenna Efficiency and 3D Radiation Pattern

Freq	Gain	Efficiency_Percent	Efficiency_Percent
2400	1.578470148	-2.753500723	53.04566859
2410	1.450944856	-2.727703465	53.36169958
2420	1.479102856	-2.577662371	55.23746799
2430	1.770090169	-2.36598252	57.99649502
2440	1.645992275	-2.286922571	59.06194474
2450	1.640864815	-2.025690584	62.72359495
2460	1.644391327	-1.938875333	63.99005254
2470	1.803273116	-1.675051838	67.99779286
2480	1.892690058	-1.63890813	68.56605884
2490	1.857992605	-1.581199615	69.48323634
2500	2.106364782	-1.409112002	72.29176028

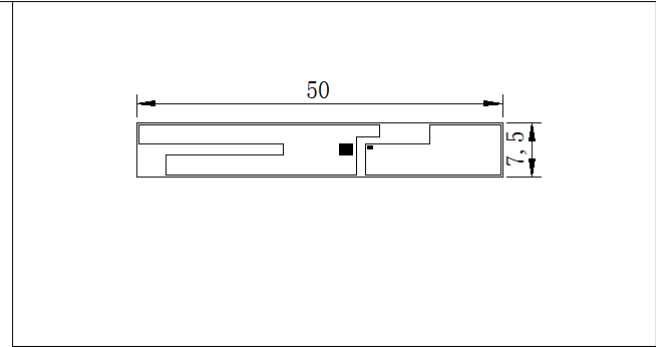
1.5 Antenna Efficiency Diagram



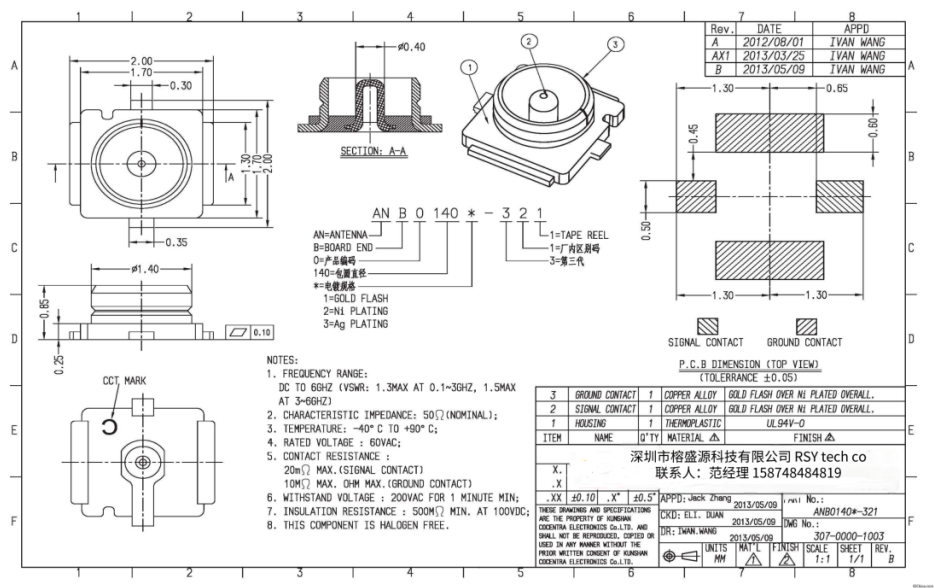
1.6Antenna 3D Radiation Pattern



6、Structure Diagram



1.7Antenna Structure



1.8 IPEX-I I I Connector Structure