



ANT Communication Technology (Shenzhen) Co., Ltd.

Antenna Specification

Client: Horn Audio

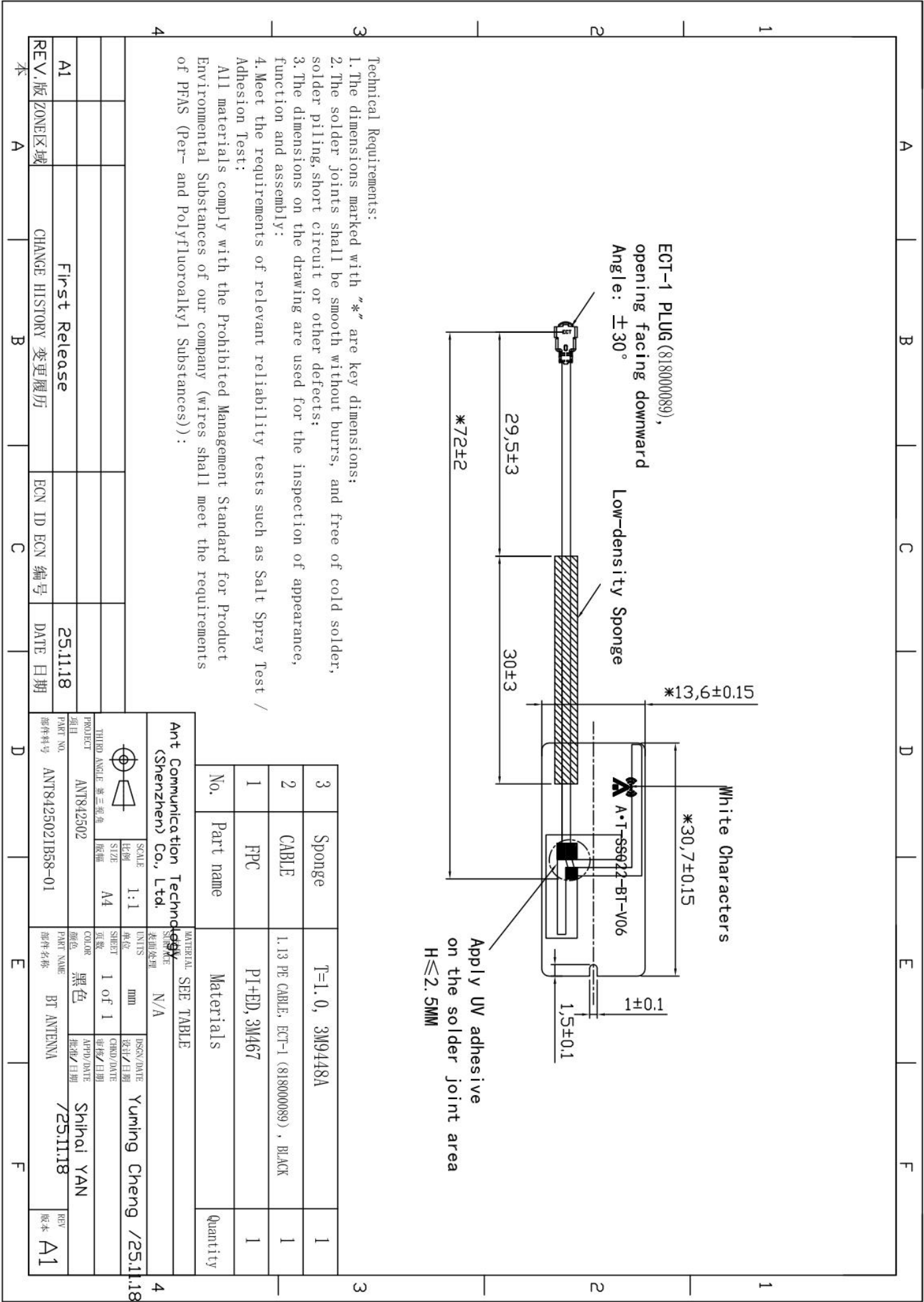
Part Name: SS022

Version: TB

Material Name: BT Antenna

Specifications	Part No.
A•T-SS022-BT-V06	ANT842502IB58-01

ANT Countersign				
R&D	ME: Yuming Cheng	Review: Shihai YAN	Data: 2026.03.16	Approve:
	RF: He Chen			
Client Countersign				
EE	PM	ME	QE	

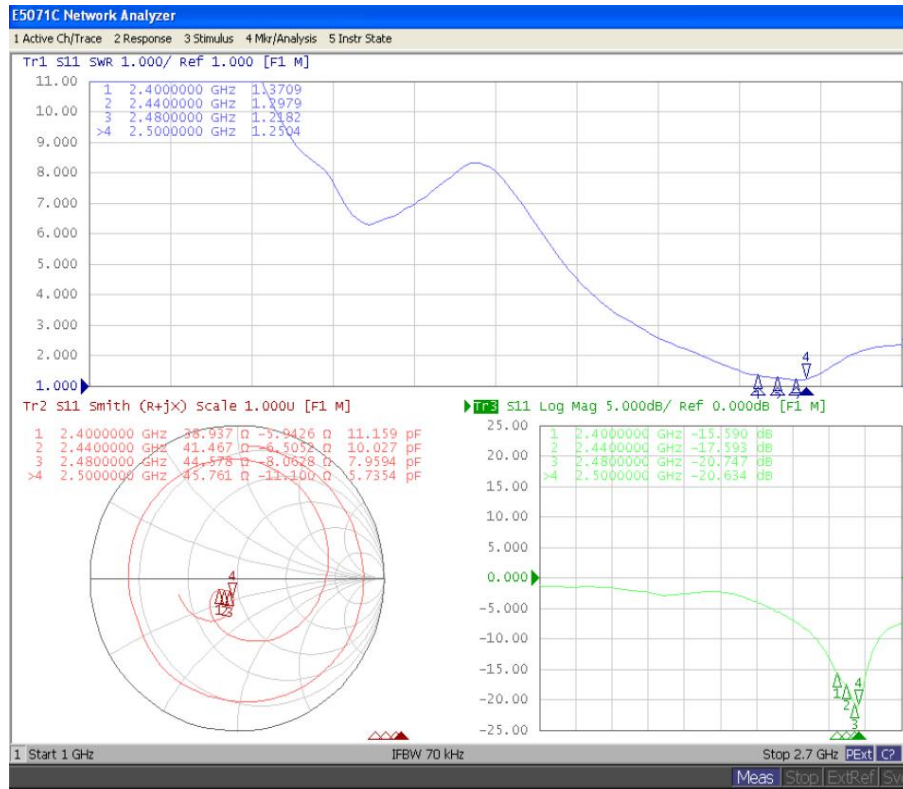


1. Product specification and technical parameters

Antenna manufacturer	ANT Communication Technology (Shenzhen) Co., Ltd.
Manufacturer Address	701, Building A, No.10 Jiangfu Road, Matian Subdistrict, Guangming District, Shenzhen City, Guangdong Province, P.R.China
Test Laboratory	XH-24
Name	BT Antenna
Frenquency	2400-2500Mhz
Impedance	50Ω
VSWR	≤2
Peak Gain	1.98dBi
Efficiency	≥43%
Polarization	Vertical
Radiation	Omnidirectional
Dimensions	30.7*13.6mm
Antenna type	FPC+Cable+plug
Connector	IPEX- I
Cable	1.13
Salt Spray Test	48H
Working Temperature	-40°C-+80°C
Limit Temperature	-40°C-+80°C

2. Antenna test parameters

S11



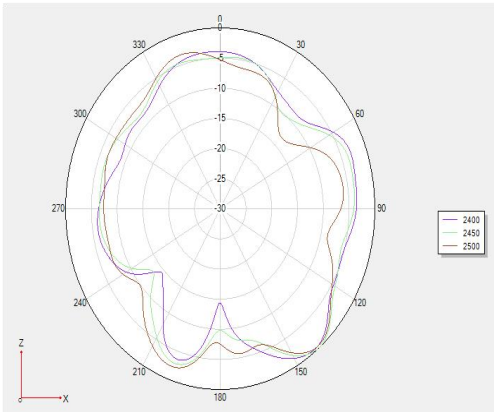
Passive Data

Frequency(Mhz)	Efficiency(db)	Efficiency(%)	Peak gain(dbi)
2400	-3.78	43.23	1.43
2410	-3.67	44.53	1.85
2420	-3.75	44.17	1.83
2430	-3.56	45.33	1.21
2440	-3.62	43.45	1.98
2450	-3.78	44.23	1.6
2460	-3.47	44.98	1.85
2470	-3.88	45.12	1.95
2480	-3.52	43.88	1.42
2490	-3.69	44.02	1.85
2500	-3.81	43.52	1.51

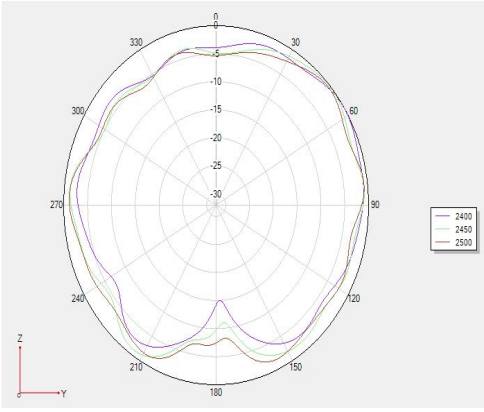
ANT Communication Technology (Shenzhen) Co., Ltd.

2D

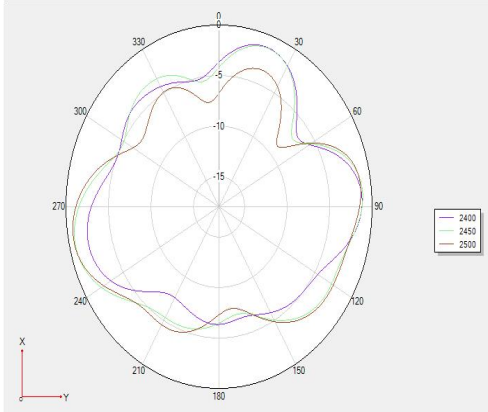
Phi=0



Phi=90

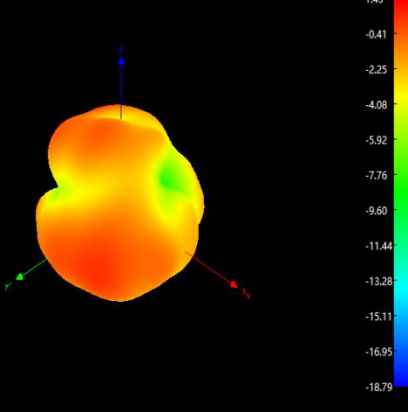


Theta=90

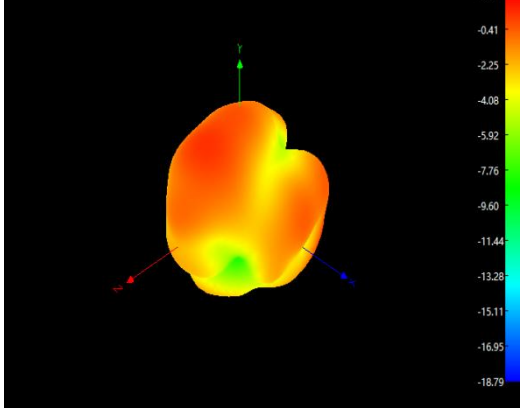


3D

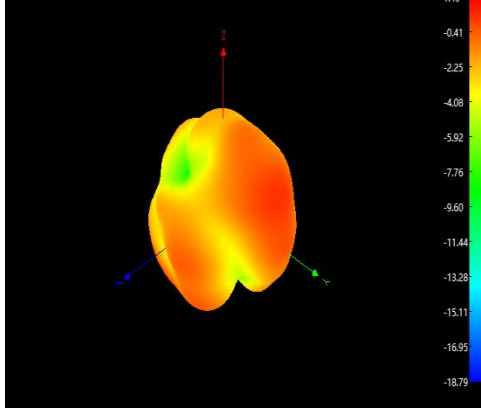
Freq:2400MHz



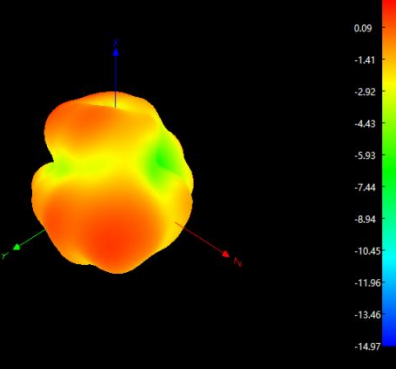
Freq:2400MHz



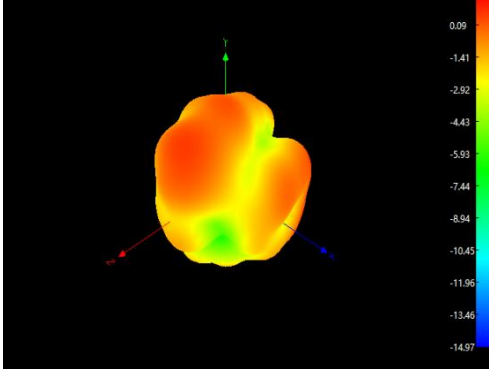
Freq:2400MHz



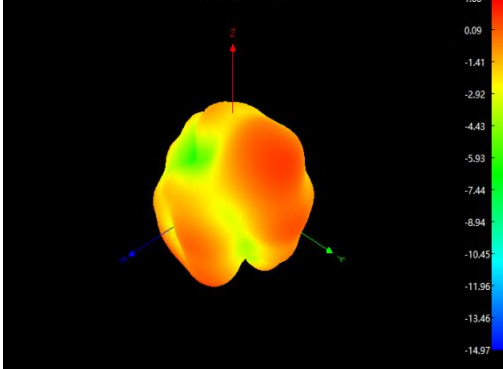
Freq:2450MHz



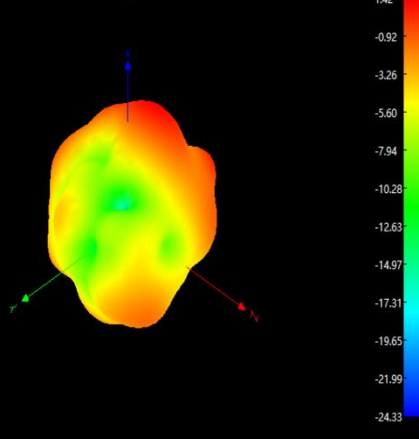
Freq:2450MHz



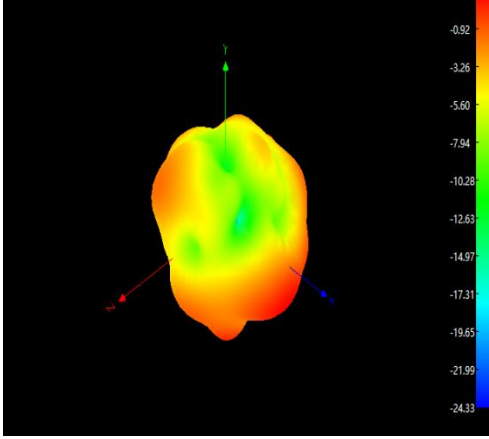
Freq:2450MHz



Freq:2480MHz



Freq:2480MHz



Freq:2480MHz

