
Antenna Sample Datasheet

customer:	
entry name:	HZ1837-2.4-FPC
Material category:	2.4G ANT
Antenna Type	Monopole
Antenna Material	FPC 18.01*7.28MM
edition:	A1
Date:	2026.09.02

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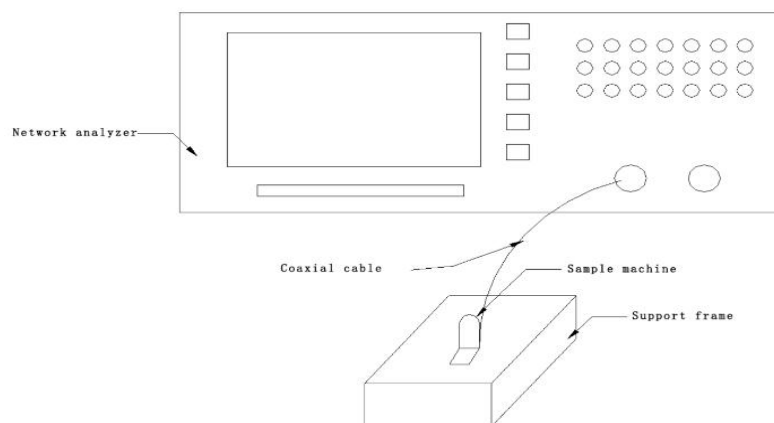
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1: Antenna test equipment

List of meters: Agilent 5071B;

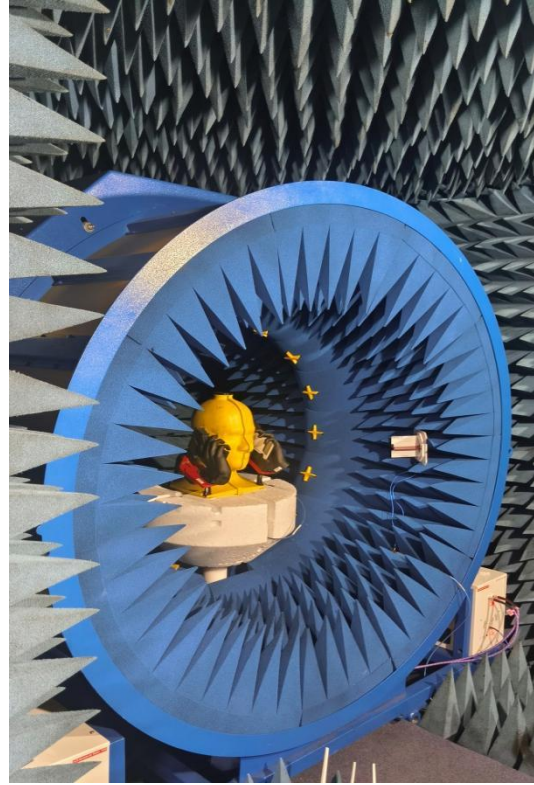


1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



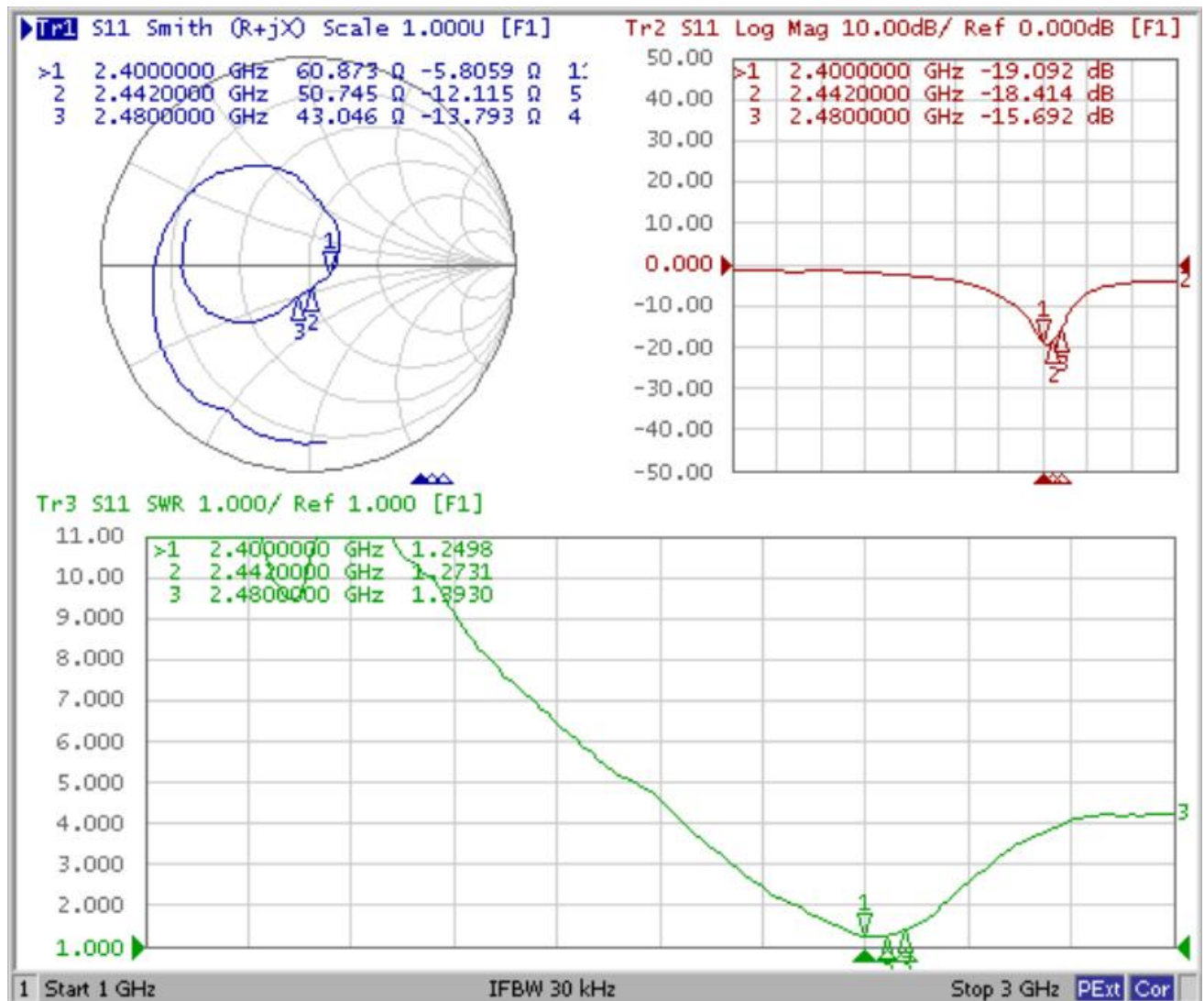
Test Machine

(Product main technical parameters)

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
特性阻抗 (Ω)	50	Impedance (Ω)	50
增益 (dBi)	≤ 3	Gain (dBi)	≤ 3
输出电压 驻波比	≤ 2	VSWR	≤ 2
极化方式	线极化	Polarization	Linear
方向性	全向性	Radiation	Omni-directional
连接方式	Cable+IPEX	Connector Type	Cable+IPEX
物理性能		Physical Properties	
天线材料	FPC	Antenna cover	FPC
工作温度	-20°C~+70°C	Operating Temp	-20°C~+70°C
保存温度	-20°C~+60°C	Storage Temp	-20°C~+60°C

2: Passive test report

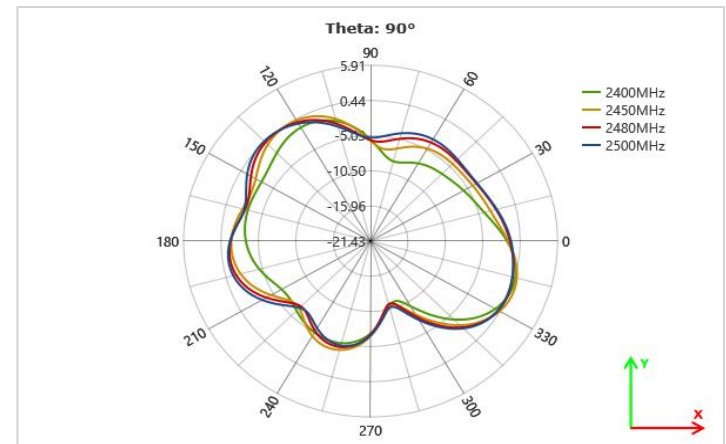
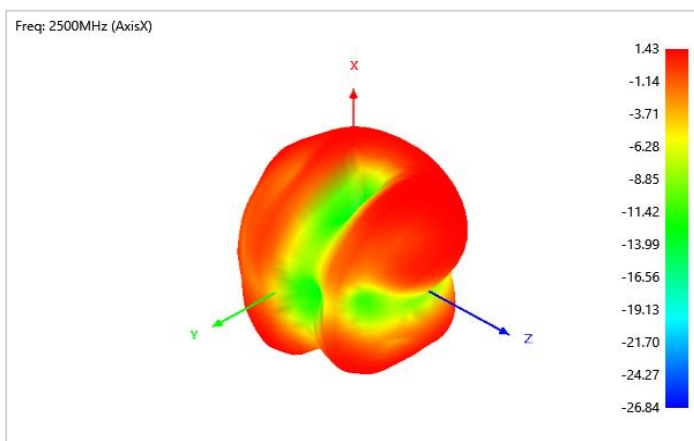
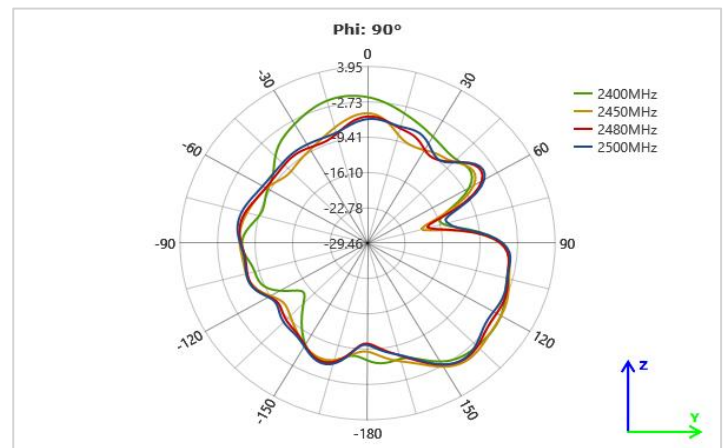
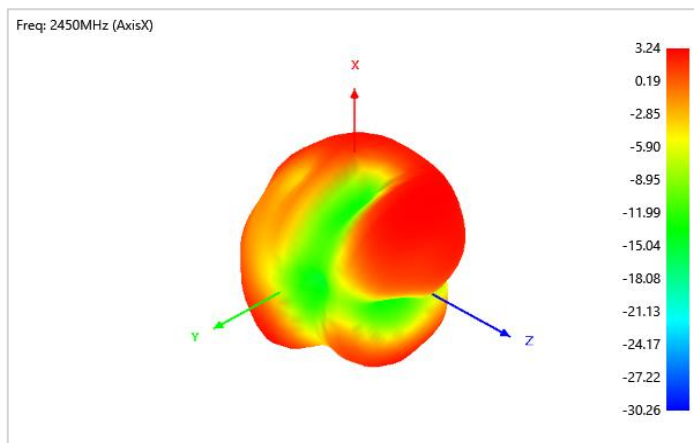
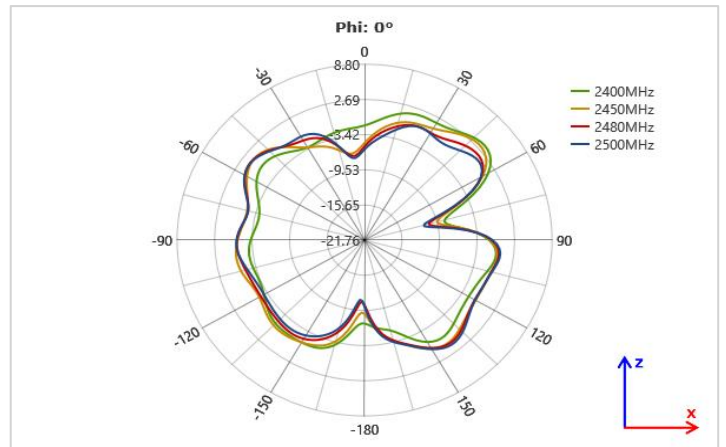
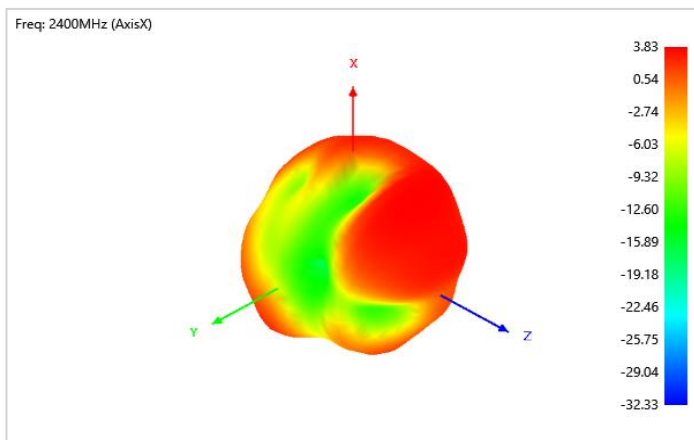
2.1: antenna S11 parameters



2.2: Passive efficiency of antenna

频点 MHz	增益(dBi)	效率(dB)	效率 (%)
2400	2.97	-2.64	54.49
2410	2.95	-2.62	54.74
2420	2.92	-2.36	58.03
2430	2.88	-2.45	56.87
2440	2.85	-2.64	54.5
2450	2.81	-2.64	54.41
2460	2.77	-2.55	55.65
2470	2.51	-2.45	56.94
2480	2.02	-2.5	56.2
2490	1.58	-2.48	56.49
2500	1.43	-2.53	55.8
平均值	2.51	-2.53	55.83

2.3: Passive pattern of BT antenna



3: Structural drawing

