

Antenna Sample Datasheet

entry name:	NF038
Material category:	BT antenna
Antenna Material	FPC+ coaxial line
Date:	2025.10.10

Contents

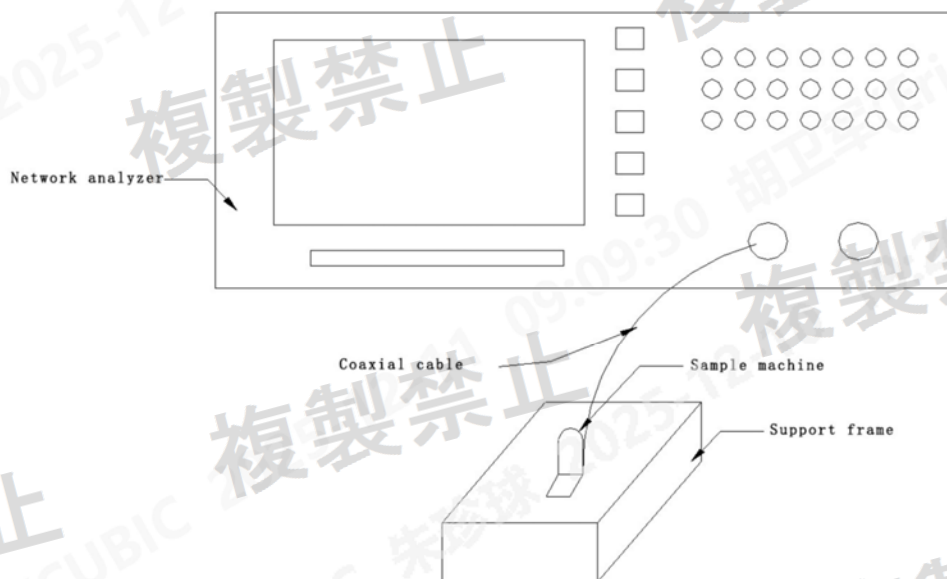
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1: Antenna test equipment

List of meters: Agilent 5071B;



1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



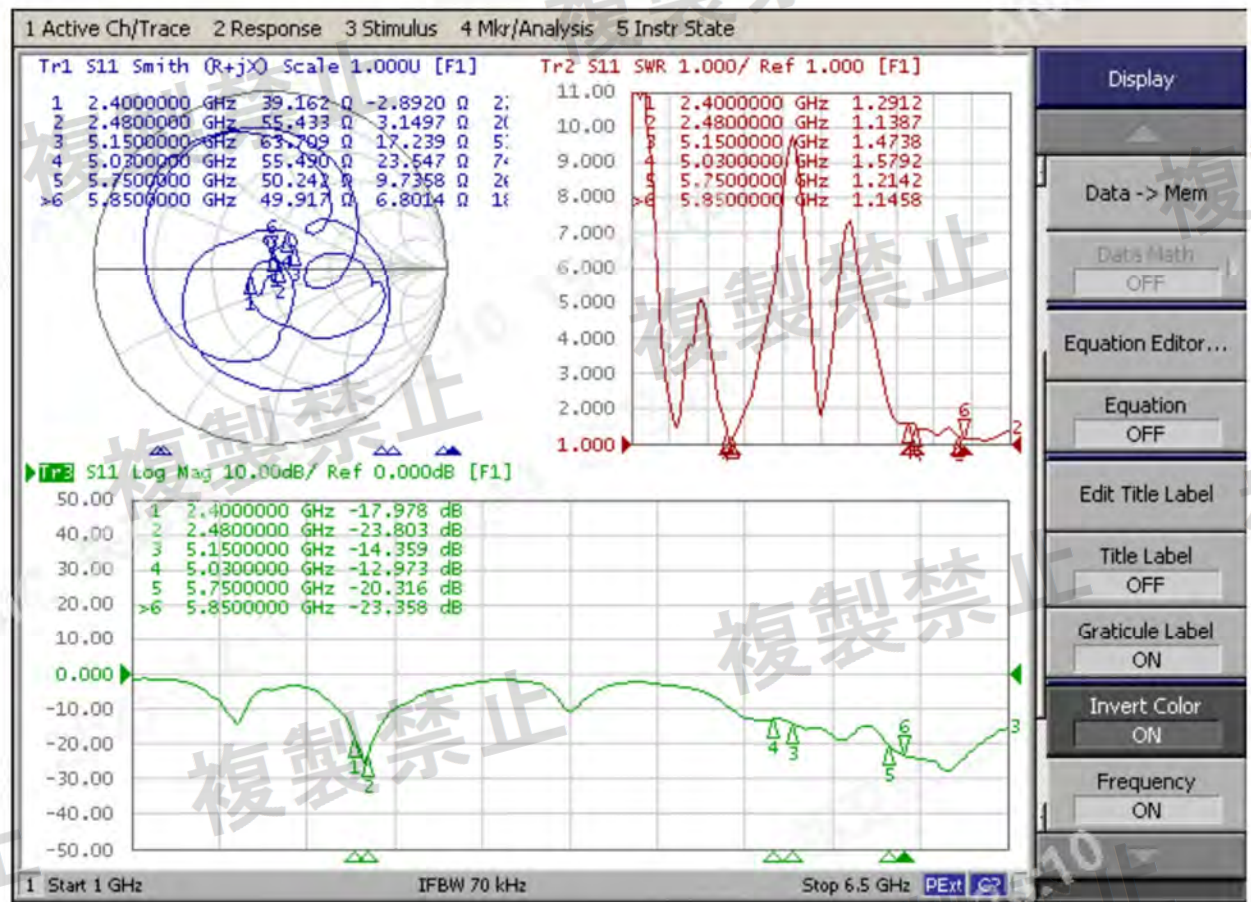
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

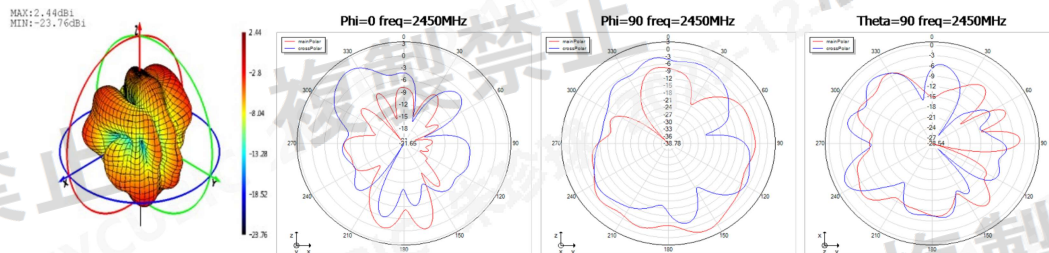
2.1: BT antenna S11 parameters



2.2: 2.4G Passive efficiency of antenna

Freq (MHz)	Gain (dBi)	Efficiency (%)
2400	1.92	42.69
2410	2.15	41.71
2420	2.64	42.91
2430	2.83	42.84
2440	3.13	42.21
2450	2.44	42.04
2460	2.97	42.35
2470	3.12	46.07
2480	3.05	46.18
2490	2.77	45.63
2500	2.55	44.95

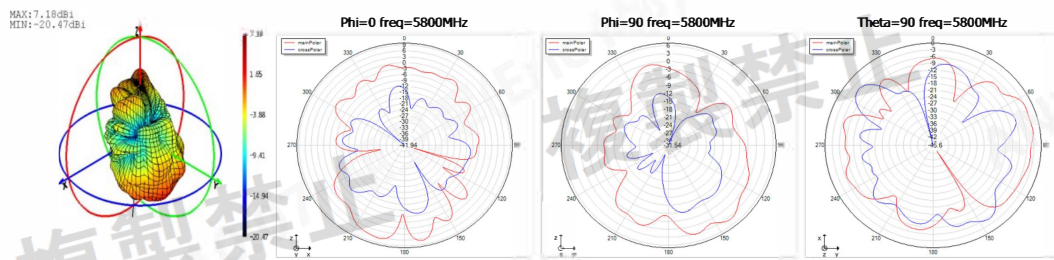
2.3: 2.4G Passive pattern of BT antenna



2.4: 5G Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
5150	5.92	55.17
5200	5.17	50.48
5250	6.22	62.17
5300	5.94	55.33
5350	5.87	55.65
5400	6.14	54.01
5450	6.38	57.26
5500	6.80	56.43
5550	7.36	63.03
5600	7.24	60.93
5650	7.01	57.52
5700	6.57	54.44
5750	6.89	56.45
5800	7.18	63.13
5850	6.74	62.75

2.3: 5G Passive pattern of BT antenna



3: Structural drawing

