

Antenna Sample Datasheet

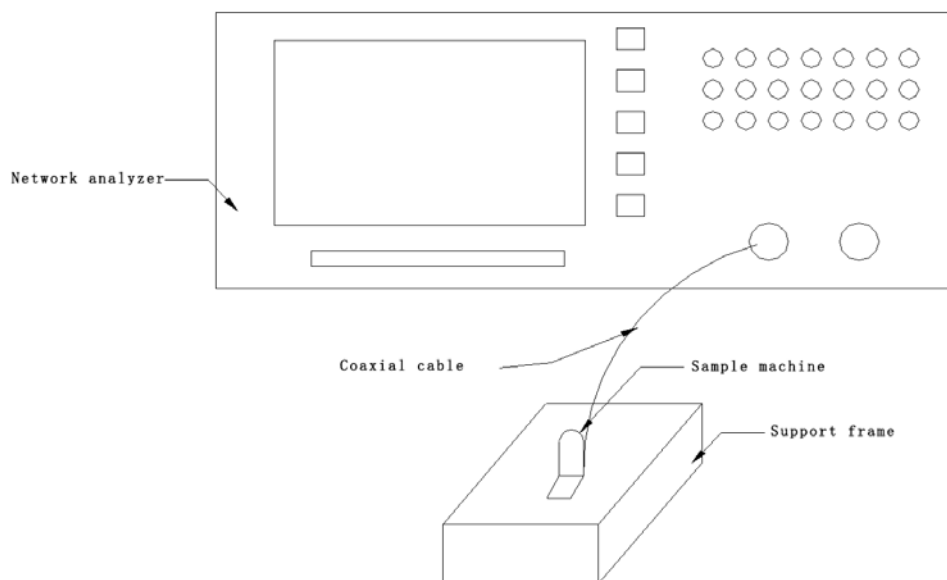
entry name:	WI810H
Material category:	antenna
Antenna Material	Metal antenna
Date:	2025. 12. 09

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

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1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

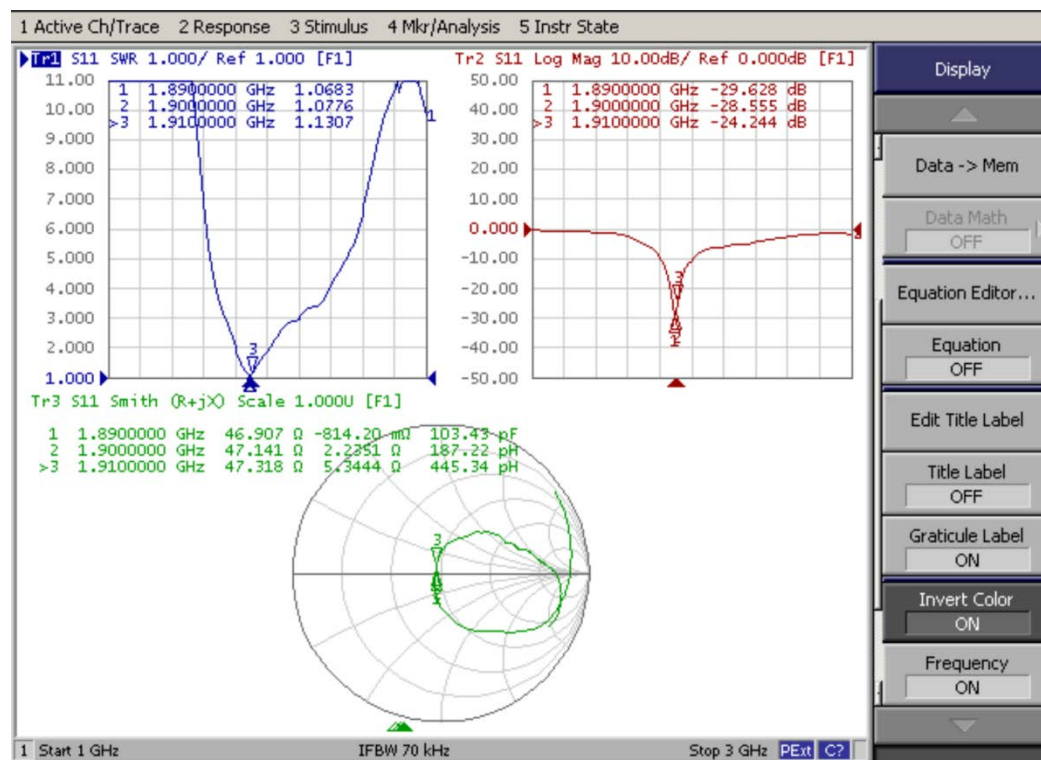
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2: Passive test report

2.1: antenna S11 parameters



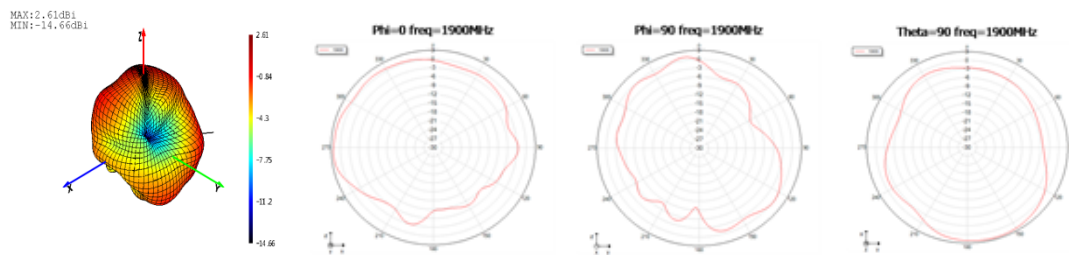
2.2: Passive efficiency of antenna-1.9G-1

Freq (MHz)	Gain (dBi)	Efficiency (%)
1860	3.78	68.23
1870	3.78	69.39
1880	3.09	63.91
1890	2.83	65.02
1900	2.61	65.30
1910	2.75	68.43
1920	2.07	61.44
1930	2.06	61.52
1940	2.50	66.60

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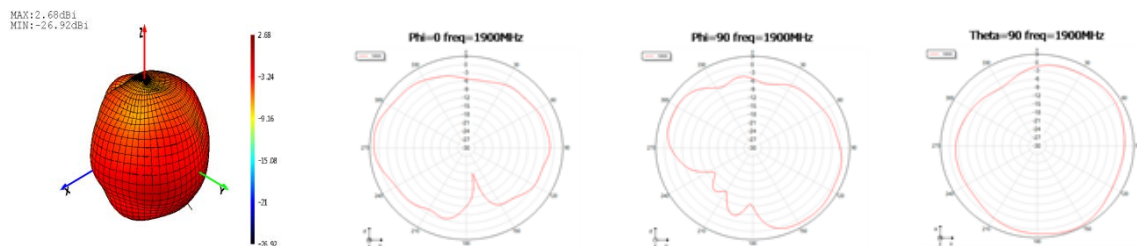
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2.3: Passive efficiency of antenna-1.9G-2

Freq(MHz)	Gain(dBi)	Efficiency(%)
1860	3.03	69.41
1870	3.06	71.91
1880	2.46	66.90
1890	2.67	70.56
1900	2.68	71.52
1910	3.14	76.79
1920	2.78	69.82
1930	2.93	71.89
1940	3.23	75.37

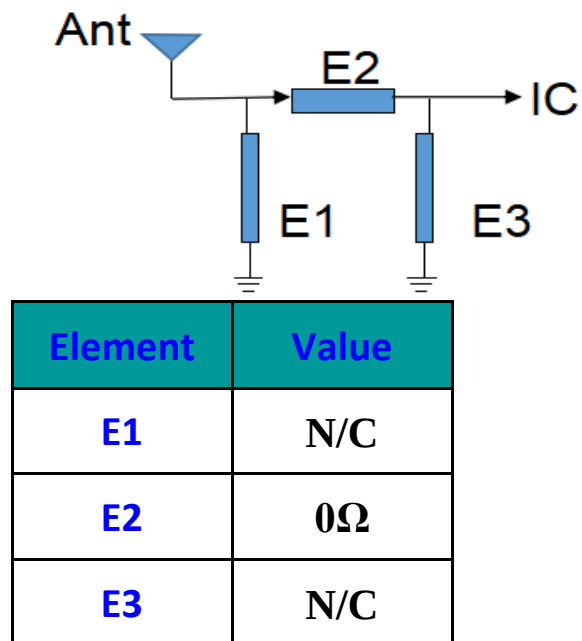


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3: Matching circuit



4: Structural drawing

