

Antenna Sample Datasheet

entry name:	SC0131
Material category:	WIFI Antenna
Antenna Type	FPC
Antenna Material	FPC
edition:	A1
Date:	2024. 03. 19

Contents

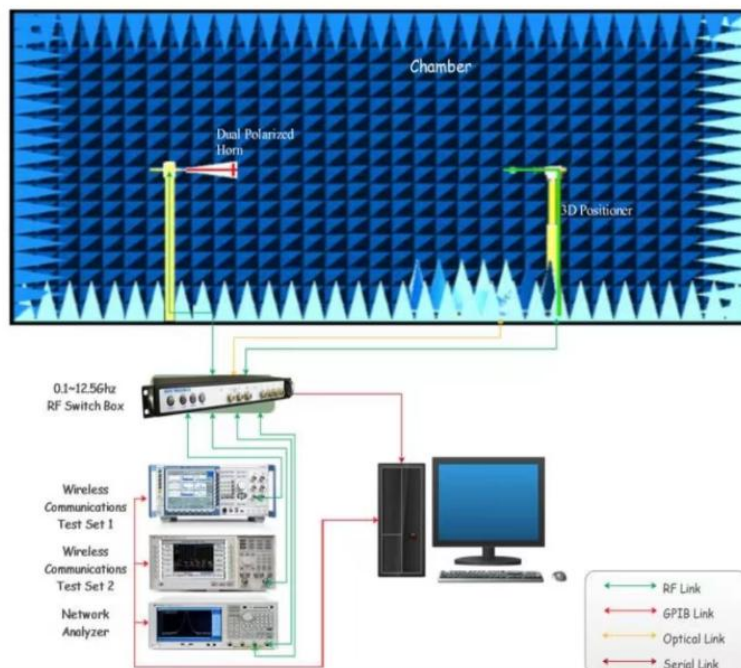
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1: Antenna test equipment

List of meters: Agilent 5071B;

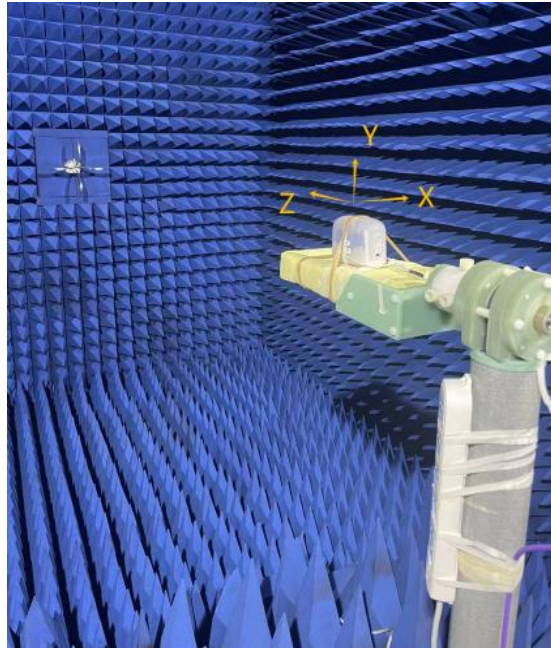


1.1 The principle diagram of the OTA darkroom

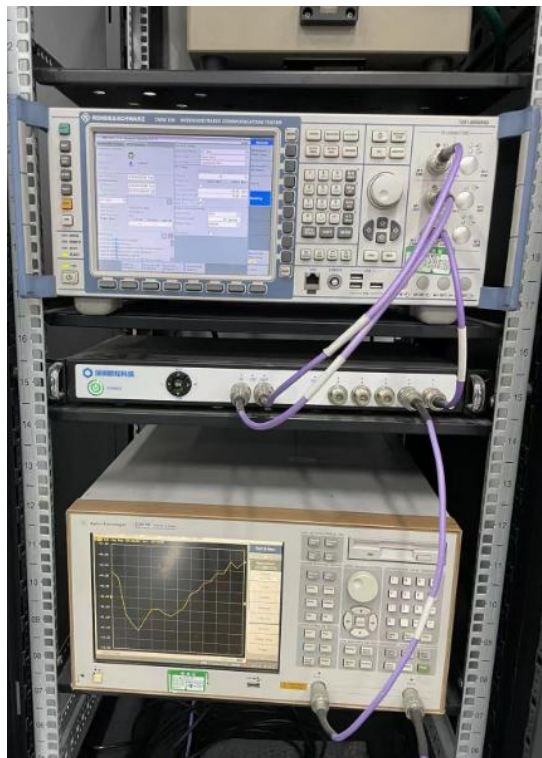


Picture1. Antenna static test connection method

1.2 Pictures of the OTA microwave darkroom



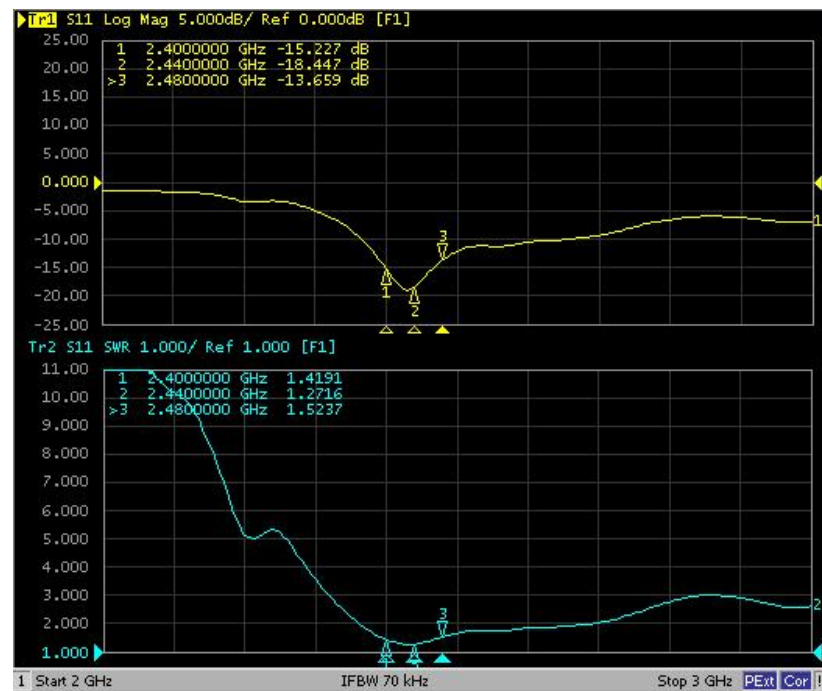
Inside the OTA darkroom



Test Machine

2: Passive test report

2.1: WIFI antenna S11 parameters

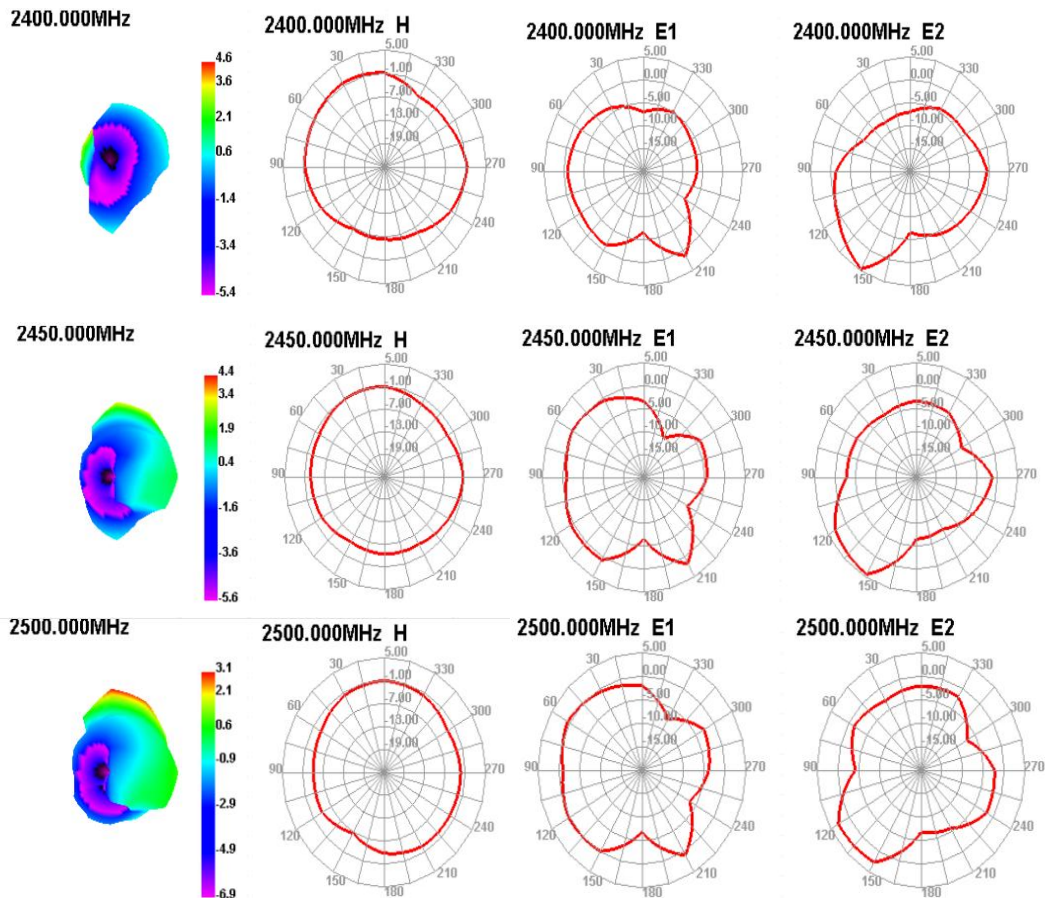


2.2: Passive efficiency of antenna

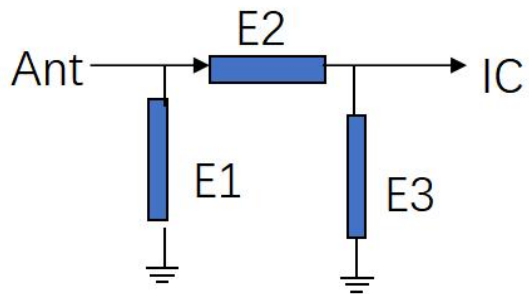
Frequency(MHz)	Gain(dBi)	Efficiency(%)
2400	4.60	69.68
2410	4.52	69.3
2420	4.37	68.77
2430	4.2	67.17
2440	4.26	67.42
2450	4.40	66.53
2460	4.19	65.63
2470	3.98	64.73
2480	3.26	64.29
2490	3.27	62.47
2500	3.10	60.05

2.3: Passive pattern of WIFI antenna

Unit: dBi

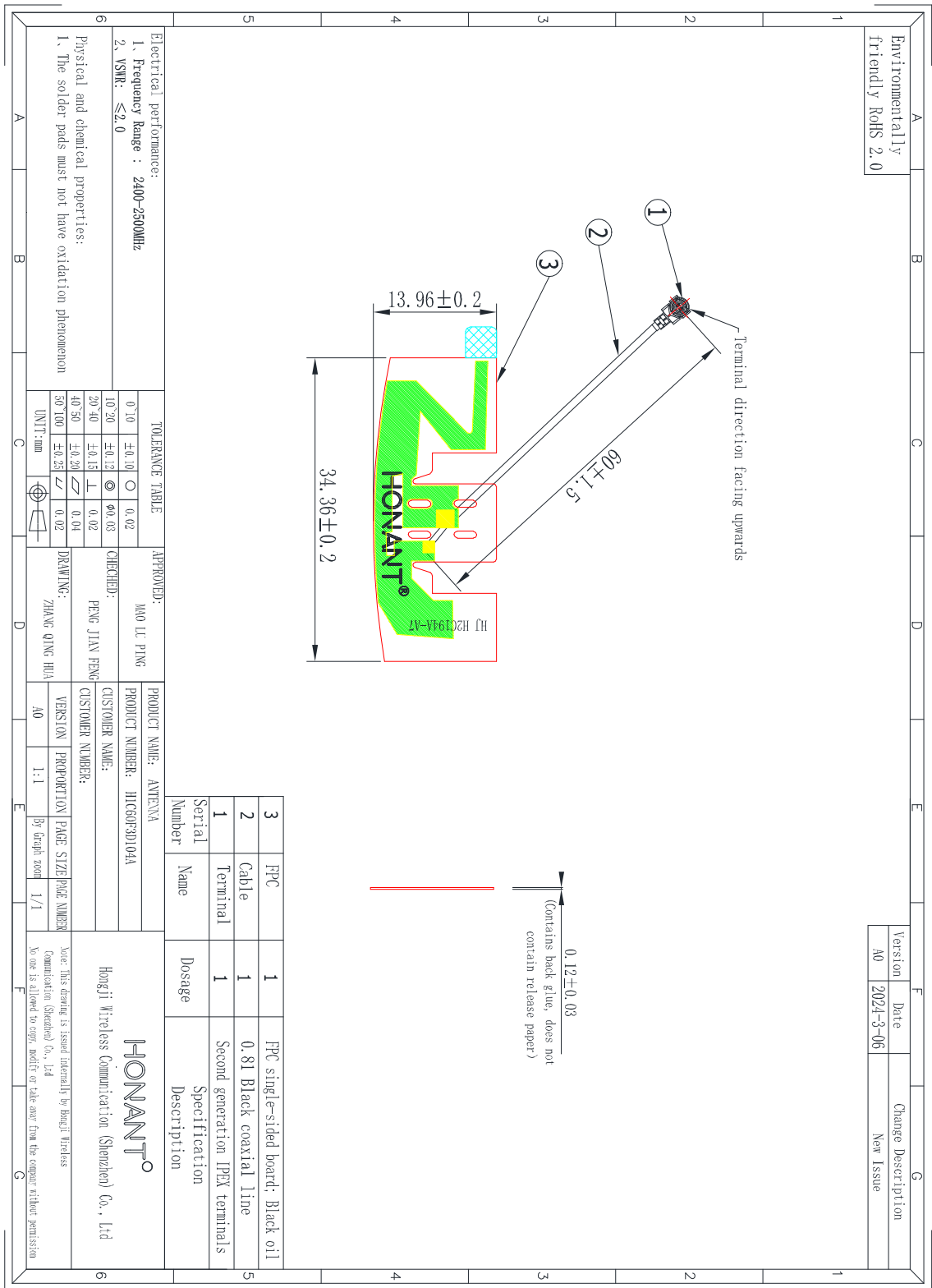


3: Matching circuit



Element	Value
E1	N/A
E2	OR
E3	N/A

4: Structural drawing



5: Product picture

