



Antenna Specification

Antenna brand: Ai-Thinker

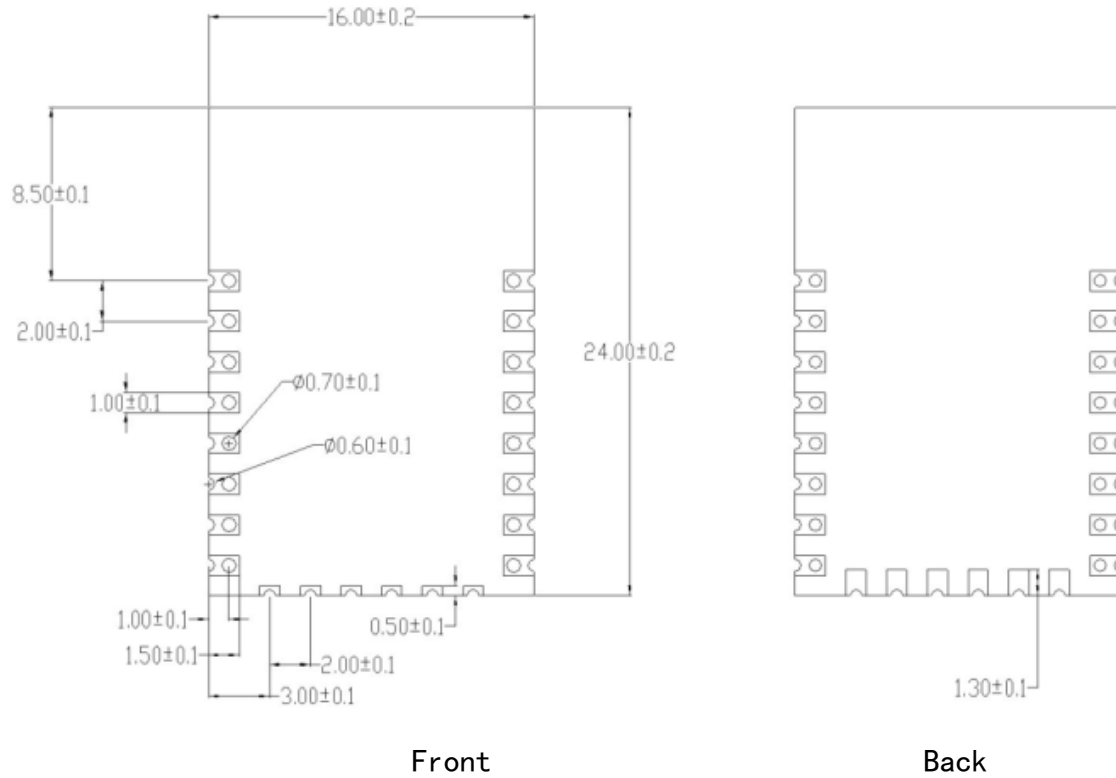
Antenna model: Ai-WB2-12F

Antenna type: PCB Antenna

BLE: 1.89dBi

1. Appearance Dimensions

Figure 3 Appearance diagram pictures is for reference only, subject to physical objects)



2. Pin Definition

Ai-WB2-12F module is connected with a total of 22 pins, as shown in the pin schematic diagram, pin function definition table is the interface definition.

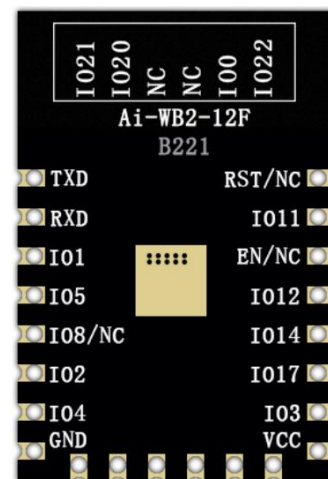


Figure 6 Schematic diagram of module pins

Front

Back

2.1. Antenna S parameter

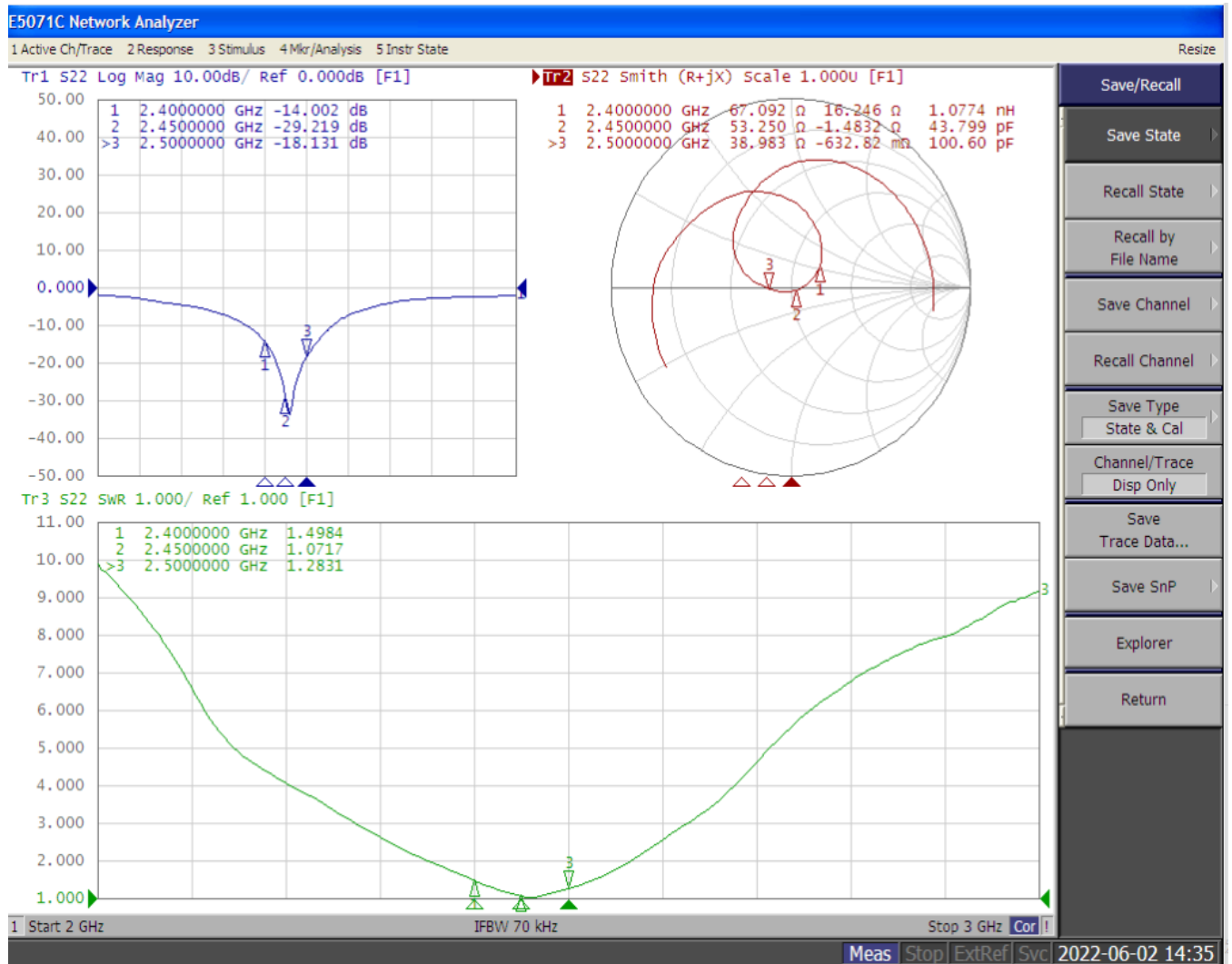


Figure 9 Antenna S parameters

2.2. Antenna Gain and Efficiency

Table 7 Antenna Gain and efficiency

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.46	1.41	1.03	1.89	1.46	1.73	1.79	1.76	1.66	1.22	1.07
Efficiency (%)	61.00	62.04	60.03	62.22	58.96	64.17	63.83	62.07	60.04	54.27	52.93

2.3. Antenna Field Type Diagram

