



PB-03F Specification

Version V1.0.0

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1. Appearance dimensions

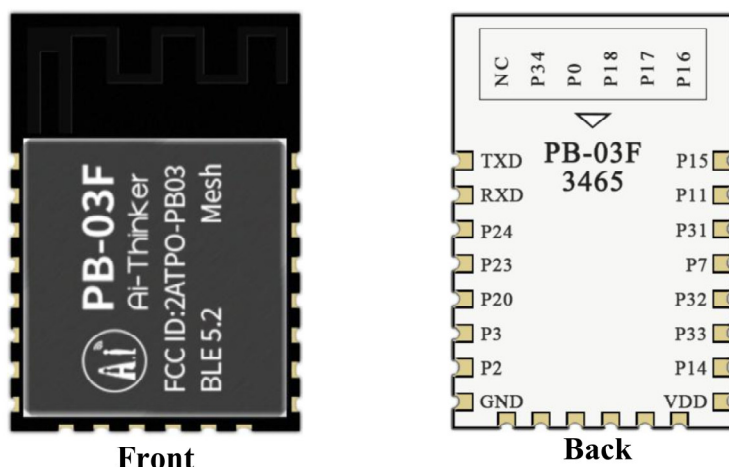


Figure 1 Appearance diagram pictures is for reference only,subject to physical objects)

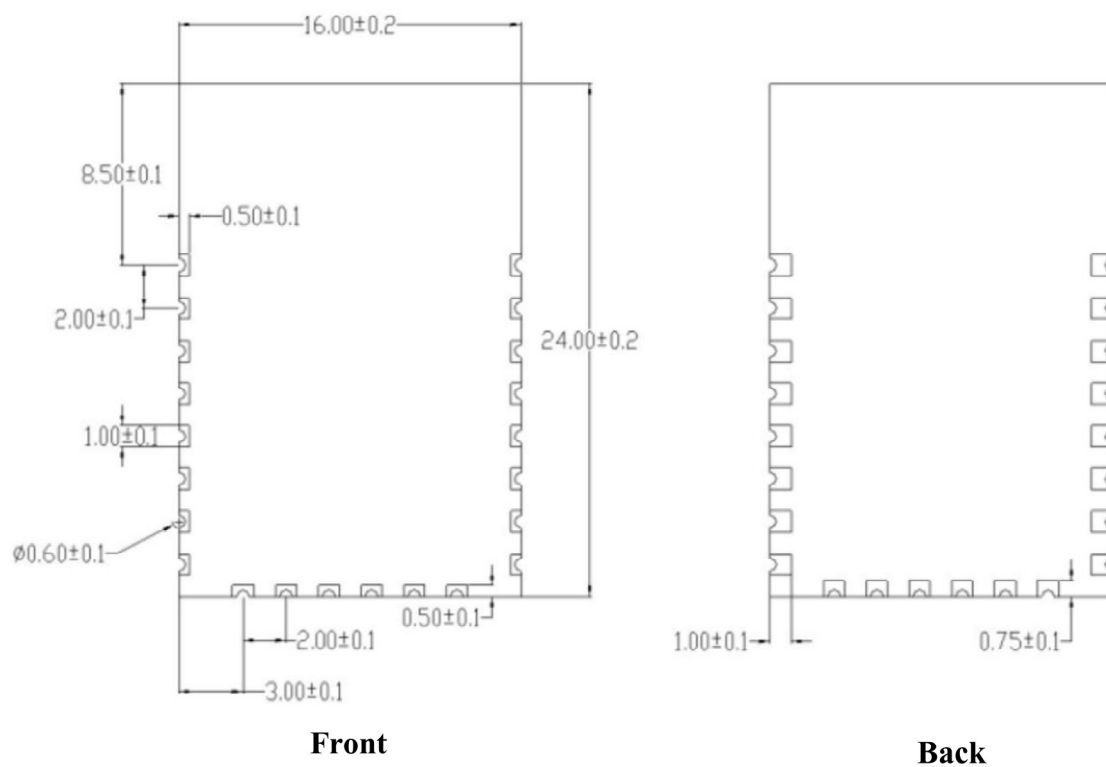


Figure 2 Module size diagram

2. Antenna parameters

2.1. Test conditions for the antenna



Figure 3 Antenna test conditions

2.2. Antenna S parameter

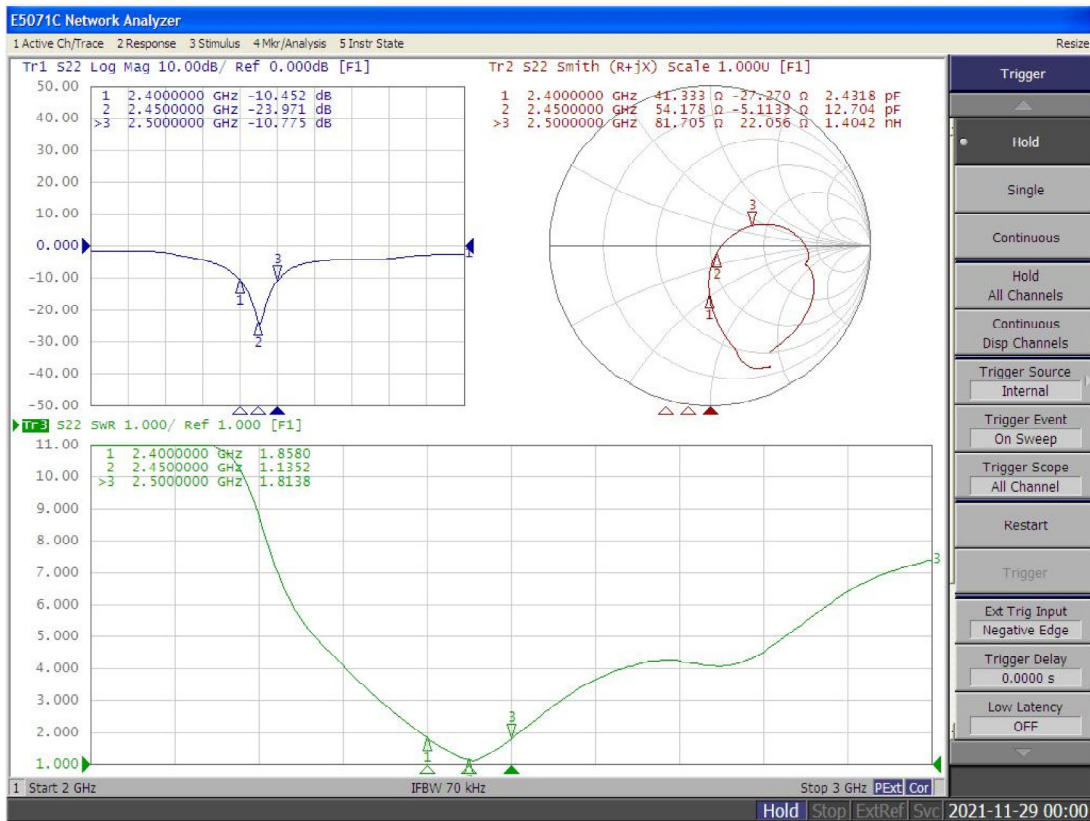


Figure 8 Antenna S parameters

2.3. 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)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain(dBi)	1.99	1.84	2.15	1.68	1.70	1.52	1.38	1.45	1.76	1.47	1.62
Efficiency(%)	77.76	76.14	81.08	73.60	74.80	71.89	68.92	69.55	72.83	66.53	69.30

2.4. Antenna field type diagram

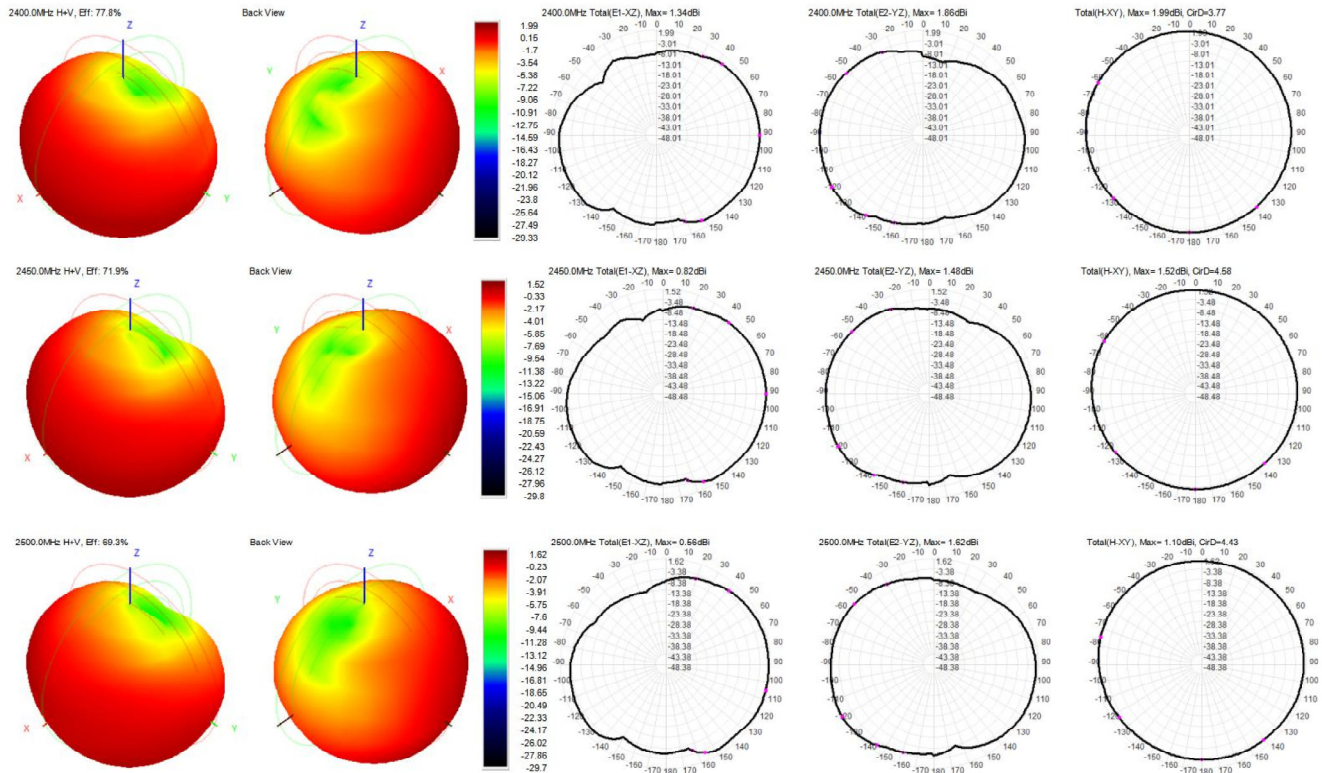


Figure 4 Antenna field type diagram

2.5. Antenna layout requirements

- The installation position on the motherboard suggests the following 2 ways:

Scheme 1: Put the module on the edge of the motherboard, and the antenna area out of the motherboard edge

Scheme 2: Put the module on the edge of the motherboard, and empty an area along the antenna position.

- To meet the performance of the on-board antenna, metal parts are not placed around the antenna, away from the high-frequency device

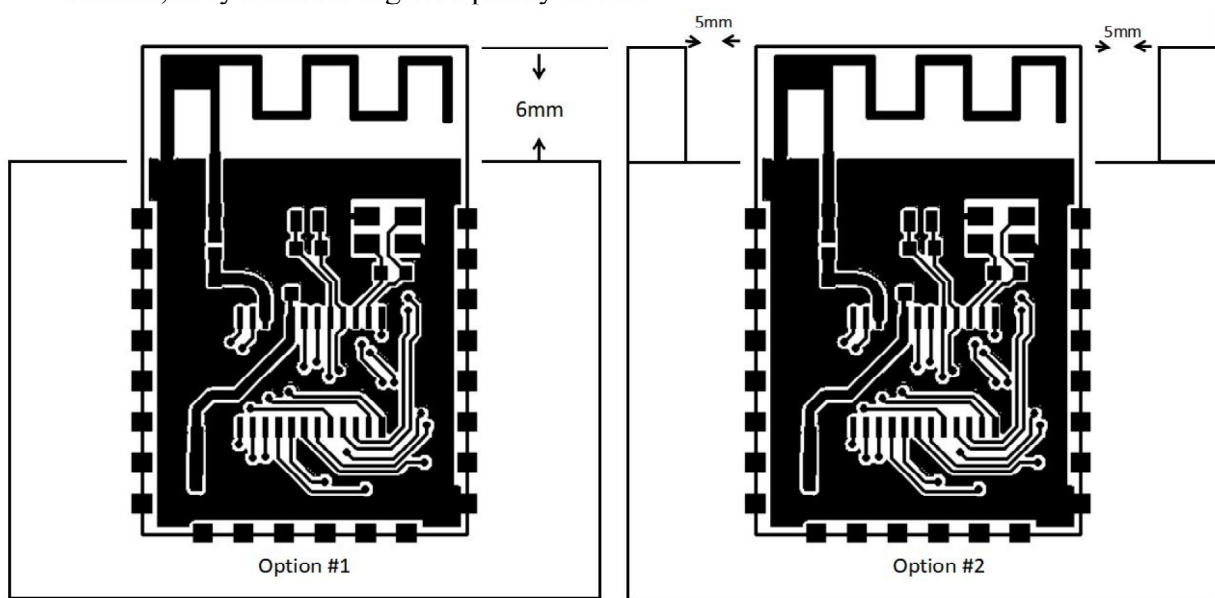


Figure 5 Schematic diagram of the antenna layout

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