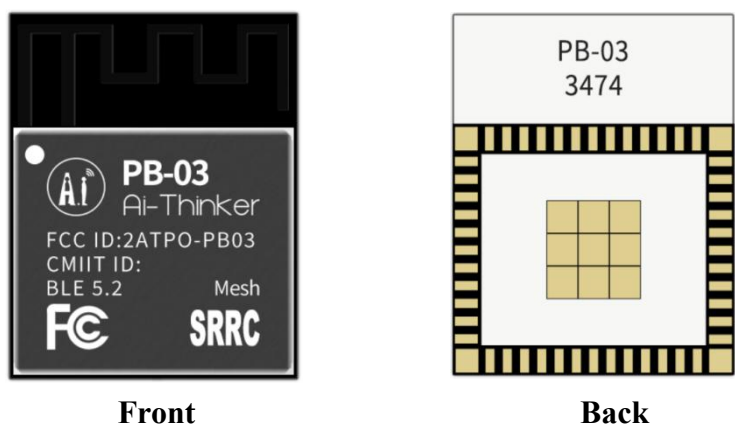


Specification

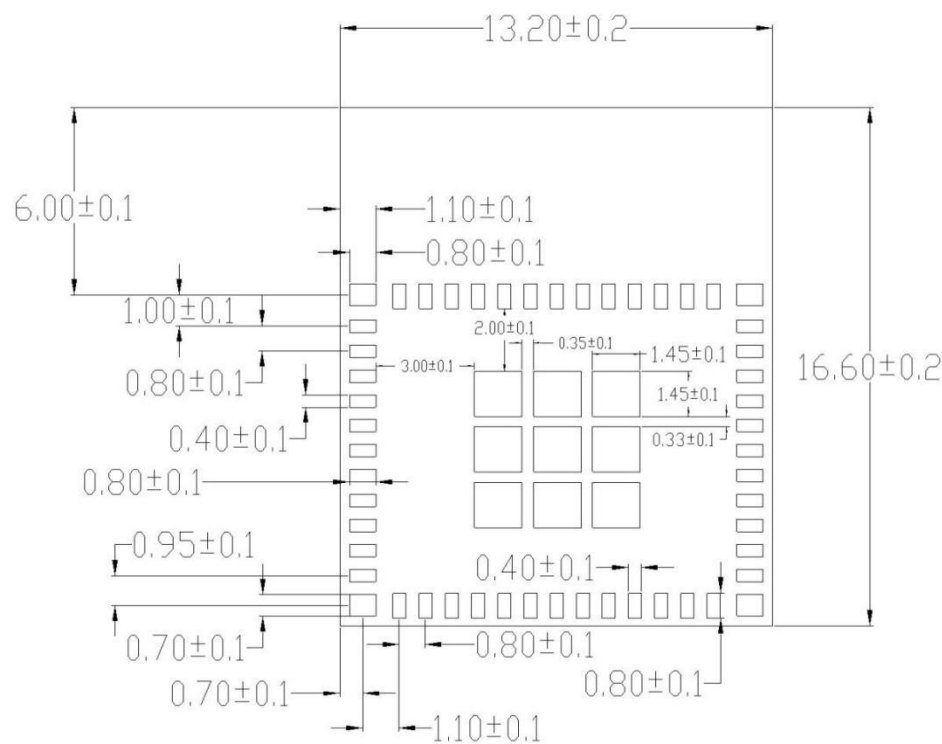
Product Overview

PB-03 is developed by Shenzhen Ai-Thinker Technology Co.,Ltd.

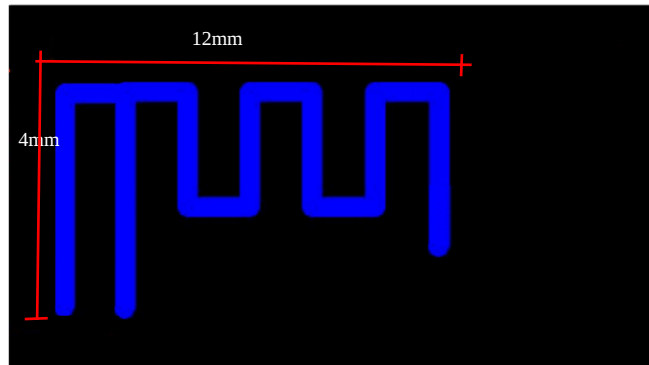
Appearance dimensions



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

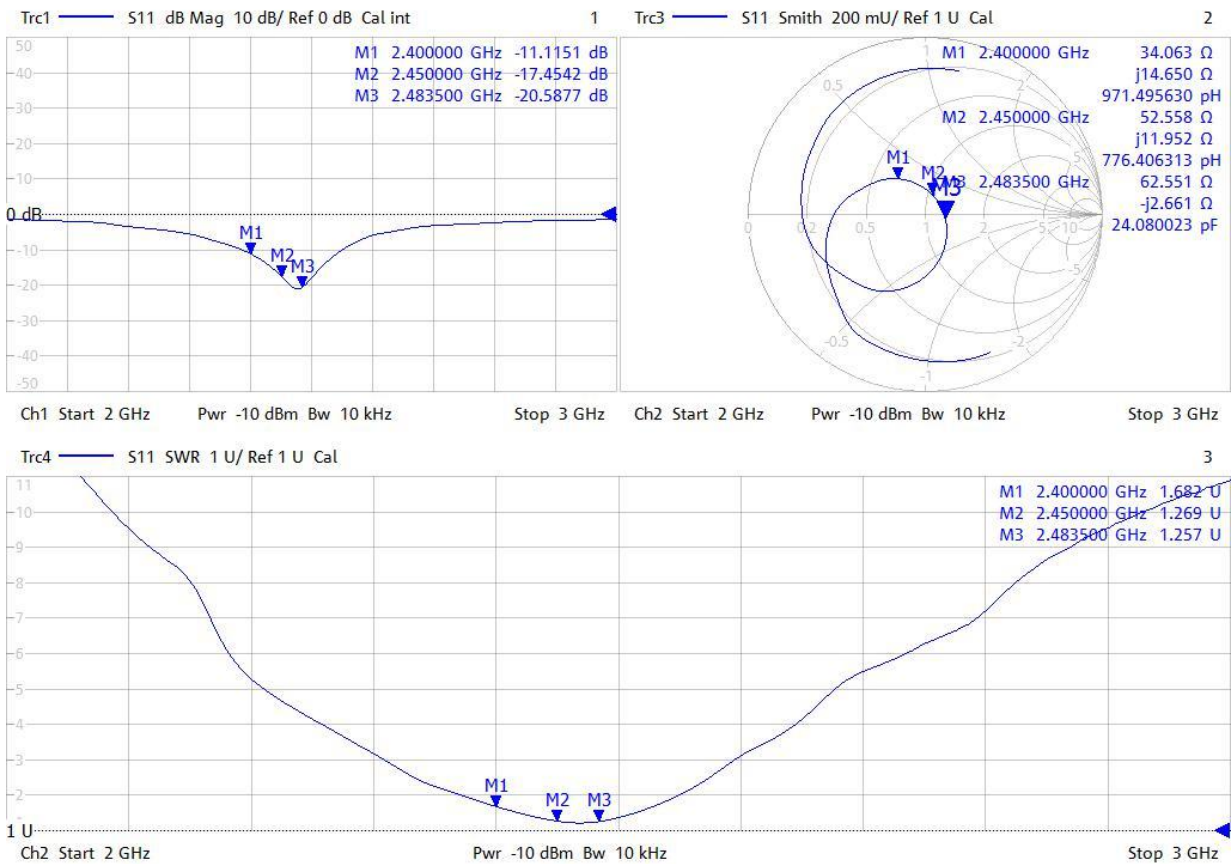


antenna diagram and antenna size



Antenna S parameter

9/23/2021 10:50:40 AM
1328.5170K92-102079-Qn



Antenna S parameters

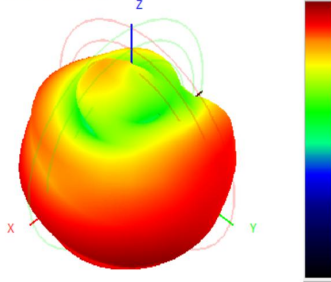
Antenna Gain and Efficiency

Table Antenna Gain and efficiency

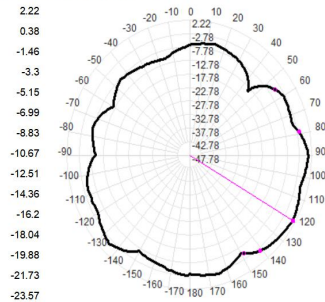
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency(MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain(dBi)	1.89	1.98	1.86	1.95	1.98	2.04	2.06	1.98	1.83	1.75	1.63
Efficiency(%)	60.23	61.27	59.41	60.36	59.85	59.53	59.10	57.85	56.20	55.85	54.62

Antenna field type diagram

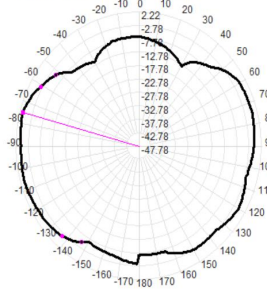
2400.0MHz H+V, Eff: 51.8%



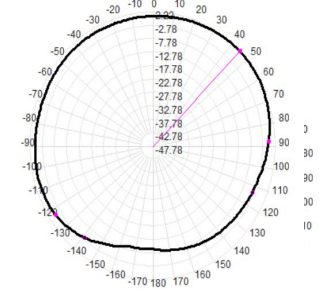
2400.0MHz Total(E1-XZ), Max= 0.79dBi



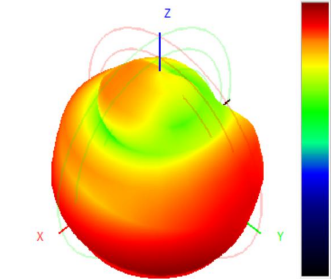
2400.0MHz Total(E2-YZ), Max= 1.03dBi



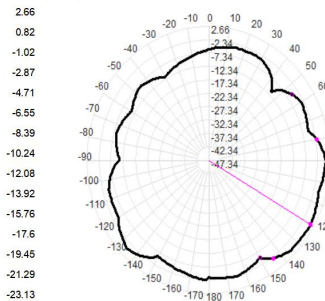
Total(H-XY), Max= 2.22dBi, CirD=11.66



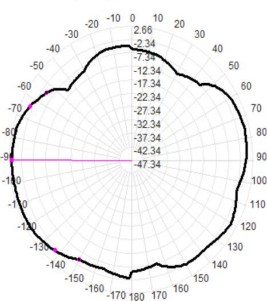
2450.0MHz H+V, Eff: 57.8%



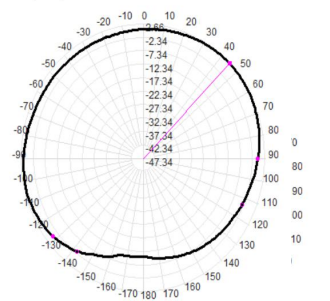
2450.0MHz Total(E1-XZ), Max= 0.80dBi



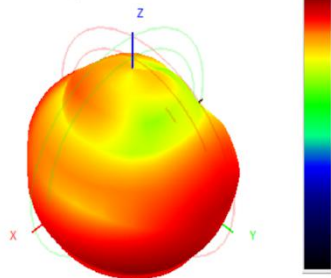
2450.0MHz Total(E2-YZ), Max= 1.60dBi



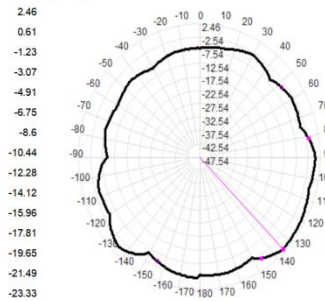
Total(H-XY), Max= 2.66dBi, CirD=13.49



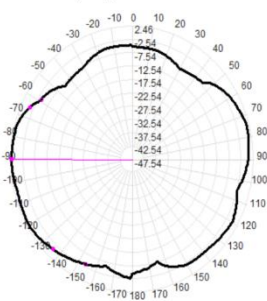
2500.0MHz H+V, Eff: 61.6%



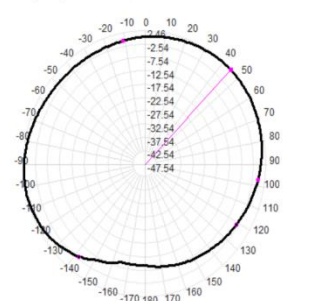
2500.0MHz Total(E1-XZ), Max= 1.15dBi



2500.0MHz Total(E2-YZ), Max= 2.12dBi



Total(H-XY), Max= 2.46dBi, CirD=12.08



Antenna field type diagram