

Type	Pattern Antenna
Application	2.4GHz / 5GHz
Part No.	-
Revision	1.0

MIB3 MQB Classic NAR

Pattern Antenna

2.4GHz & 5GHz(MIMO)

Application

Wi-Fi (802.11 b/g/a/n/ac)

Features

Planar Inverted-F Antenna

Size: 24.35 x 8.0 [mm]

Inscription on PCB



Revision History

Revision	Data	Description	Author
1.0	2023.12.04	First release of document for datasheet	Changmin. Ban

Table of Contents

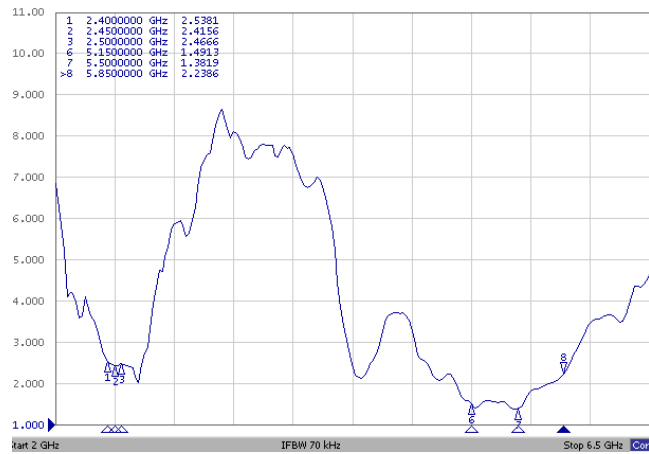
1. Operation performance
2. Measurement results
 - 2.1 S-parameter
 - 2.2 Gain, Efficiency
 - 2.3 Radiation pattern

1. Operation performance

No	Item	Performance	
1	Impedance	50 Ω	
2	VSWR @ Operating frequency (2400~2483.5MHz) (5150~5850MHz)	Max. 2.54:1 Max. 2.24:1	
3	Average Gain [dBi]	2450 MHz	-1.94
		5500 MHz	-1.38
4	Efficiency Average [%]	2450 MHz	64.02
		5500 MHz	72.72
5	Peak Gain [dBi]	2400 MHz	3.10
		2450 MHz	3.28
		2485 MHz	2.57
		5150 MHz	3.76
		5500 MHz	5.54
		5850 MHz	5.28
6	Radiation pattern	Omni-directional	

2. Measurement results

2.1 S-parameter



2.2 Gain Efficiency

Freq.[MHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]
2400	60.72	-2.17	3.10
2450	64.02	-1.94	3.28
2500	59.01	-2.29	2.65
5150	61.75	-2.09	3.76
5500	72.72	-1.38	5.54
5850	59.51	-2.25	5.28

2.4 Radiation pattern

2.5

