

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

# MIB3 MQB NAR Classic

## Pattern Antenna

### (Bluetooth & Wi-Fi 5GHz)

#### Application

Bluetooth (5.2) / Wi-Fi (802.11 a/n/ac)

#### Features



Planar Inverted-F Antenna

Size: 19 x 6.3 [mm]

Inscription on PCB

## Revision History

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

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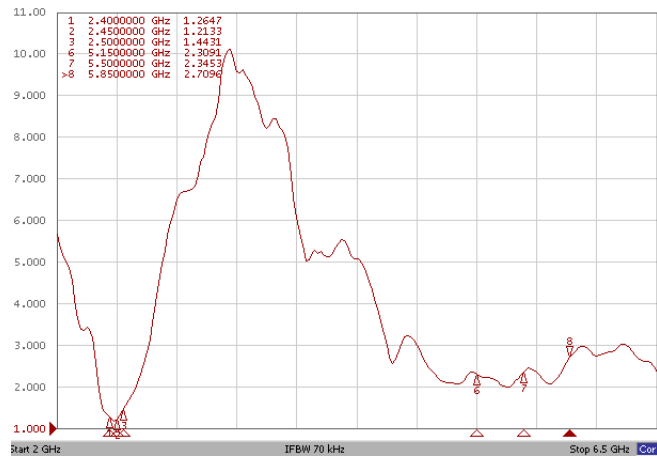
1. Operation performance
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### 1. Operation performance

No	Item	Performance	
1	Impedance	50 $\Omega$	
2	VSWR @ Operating frequency (2400~2483.5MHz) (5150~5850MHz)	Max. 1.44 Max. 2.71	
3	Average Gain [dBi]	2450 MHz	-1.51
		5500 MHz	-1.40
4	Efficiency Average [%]	2450 MHz	70.62
		5500 MHz	72.36
5	Peak Gain [dBi]	2400 MHz	6.27
		2450 MHz	4.87
		2485 MHz	6.12
		5150 MHz	5.04
		5500 MHz	6.58
6	Radiation pattern	Omni-directional	

## 2. Measurement results

### 2.1 S-parameter



### 2.2 Gain Efficiency

Freq.[MHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]
2400	87.17	-0.60	6.27
2450	70.62	-1.51	4.87
2500	86.01	-0.65	6.12
5150	61.47	-2.11	5.04
5500	72.36	-1.40	6.58
5850	73.43	-1.58	6.70

## 2.3 Radiation pattern

