

Type	Pattern Antenna
Application	2.4GHz / 5GHz
Part No.	-
Revision	4.0

MIB3GP Pattern Antenna

Application

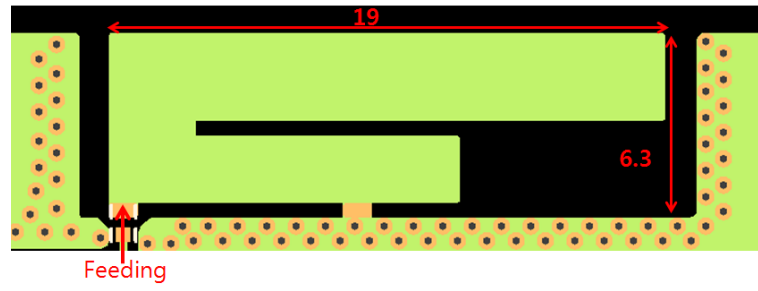
Bluetooth (4.2) / Wi-Fi (802.11 a/n/ac)

Features

Planar Inverted-F Antenna

Size: 19 x 6.3 [mm]

Inscription on PCB



Revision History

Revision	Data	Description	Author
1.0	2017.09.12	First release of document for datasheet	Hyoseo.park
2.0	2018.06.07	Updated Max VSWR	Hyoseo.park
3.0	2019.01.07	Updated Max Peak Gain	Hyoseo.park
4.0	2022.10.13	Updated VSWR & Gain	Sangkyoo. Song

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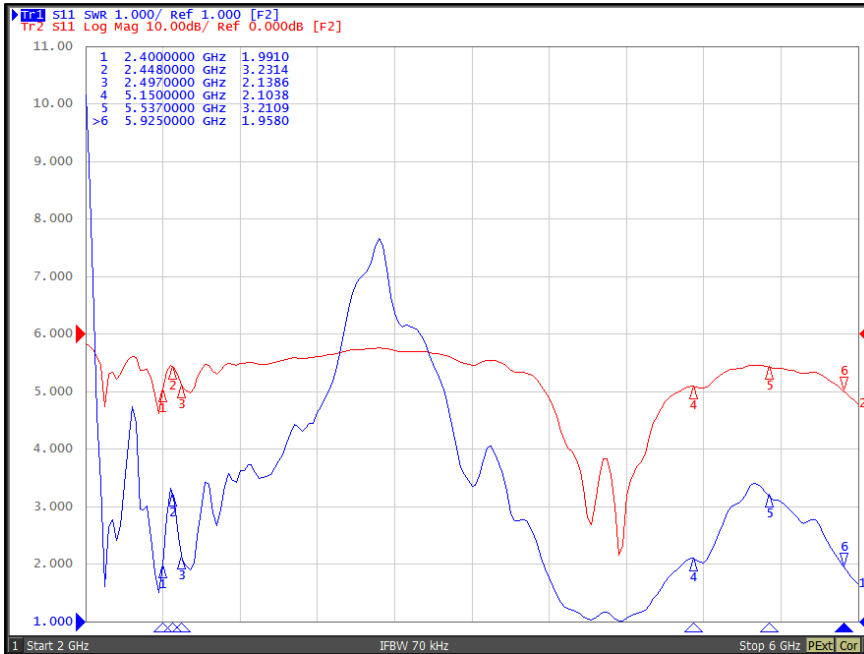
1. Operation performance
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1. Operation performance

No	Item	Performance	
1	Impedance	50 Ω	
2	VSWR @ Operating frequency (2400~2483.5MHz) (5150~5850MHz)	Max. 3.24:1 Max. 3.22:1	
3	Average Gain [dBi]	2450 MHz	-4.25
		5500 MHz	-3.61
4	Efficiency Average [%]	2450 MHz	37.55
		5500 MHz	43.55
5	Peak Gain [dBi]	2400 MHz	3.59
		2450 MHz	2.76
		2485 MHz	3.32
		5150 MHz	3.44
		5500 MHz	4.45
		5850 MHz	6.63
6	Radiation pattern	Omni-directional	

2. Measurement results

2.1 S-parameter



2.2 Gain Efficiency

Freq.[MHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]
2400	48.40	-3.15	3.59
2450	37.55	-4.25	2.76
2485	42.62	-3.70	3.32
5150	53.75	-2.70	3.44
5500	43.55	-3.61	4.45
5850	77.59	-1.10	6.63

2.3 Radiation pattern

