

Type	Pattern antenna
Application	2.4GHz / 5 GHz
Part No.	-
Revision	3.0

MIB3 OI Pattern antenna

Application:

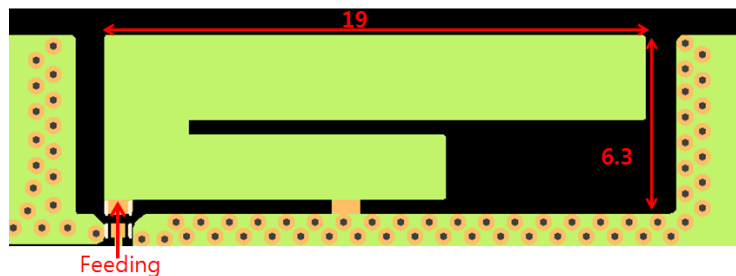
Bluetooth(4.2) / Wi-Fi(802.11 b/g/n/ac)

Features

Planar Inverted-F Antennas

Size: 19 x 6.3 [mm]

Inscription on PCB



Revision History

Revision	Date	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

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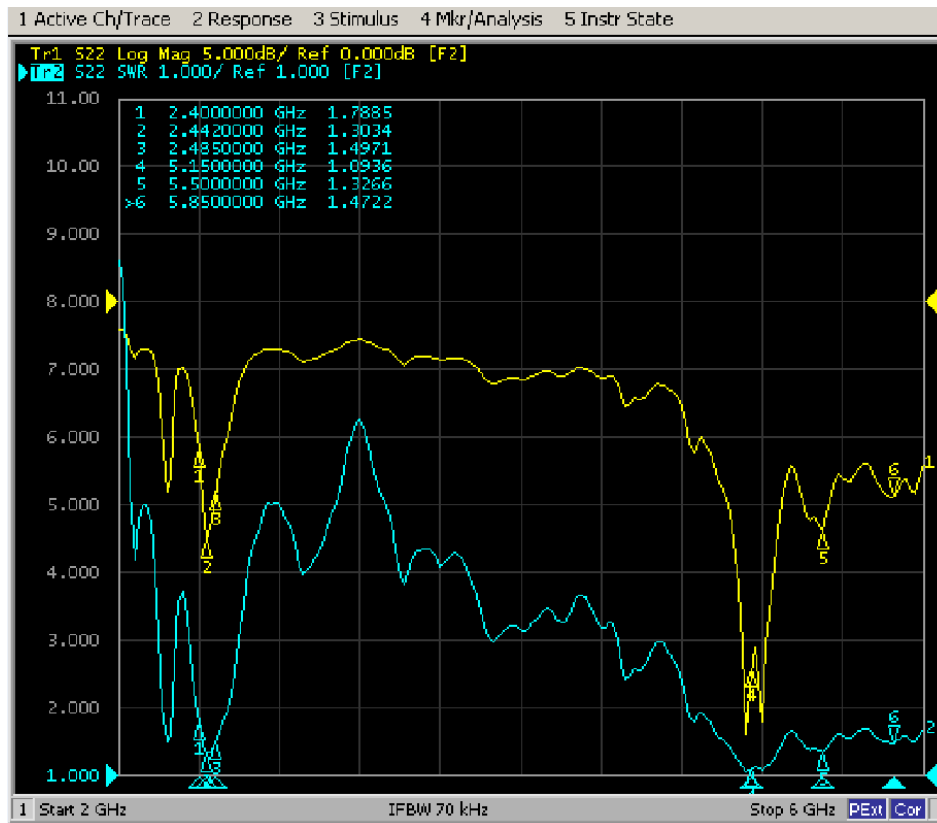
1. Operation performance
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1. Operation performance

No	Item	Performance
1	Frequency bandwidth and return loss	≤ 10 dB in the band 2330MHz to 2560MHz
2	VSWR @ Operating frequency (2400~2483.5MHz) (5150~5850MHz)	Max. 1.78:1 Max. 1.50:1
3	Average Gain(2.4G / 5G) [dBi]	-3.6 / -4
4	Average Peak Gain(2.4G / 5G) [dBi]	2 / 4.8
5	Max Peak Gain(2.4G / 5G) [dBi]	2.5 / 5.5
6	Efficiency Average [%]	41.6

2. Measurement results

2.1 S-parameter



2.2 Gain , Efficiency

Freq.[MHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]	θ [deg]	ϕ [deg]
2400	45.1	-3.5	2.5	30	300
2442	44.7	-3.5	2.1	45	300
2485	40.7	-3.9	1.5	45	300
5150	41.5	-3.8	3.8	30	225
5500	41.5	-3.8	5.1	30	150
5850	36.4	-4.4	5.5	30	165

2.3 Radiation pattern

