

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

ICAS3 Pattern Antenna

Application

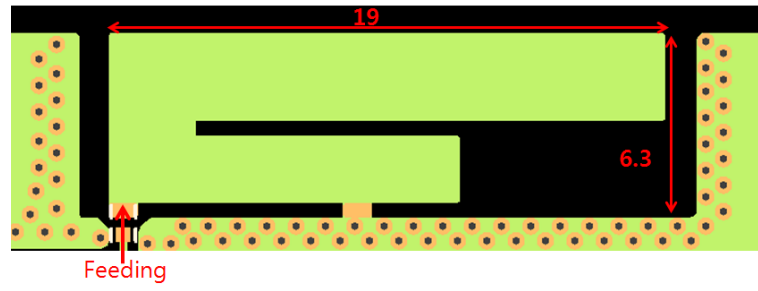
Bluetooth (4.2) / Wi-Fi (802.11 a/n/ac)

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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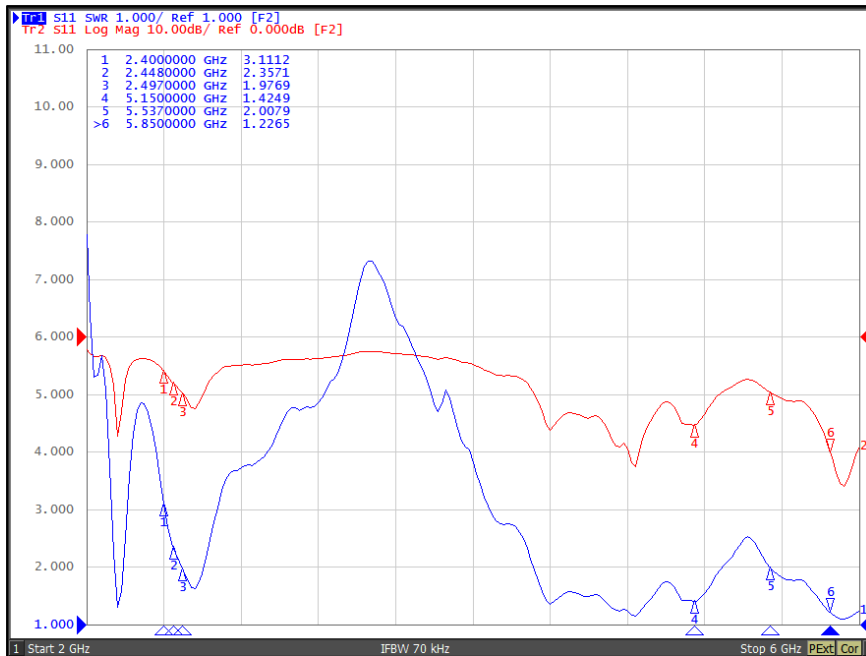
1. Operation performance
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 - 2.3 Radiation pattern

1. Operation performance

No	Item	Performance	
1	Impedance	50 Ω	
2	VSWR @ Operating frequency (2400~2483.5MHz) (5150~5850MHz)	Max. 3.12:1 Max. 2.01:1	
3	Average Gain [dBi]	2450 MHz	-3.62
		5500 MHz	-2.26
4	Efficiency Average [%]	2450 MHz	43.42
		5500 MHz	59.41
5	Peak Gain [dBi]	2400 MHz	0.73
		2450 MHz	2.07
		2485 MHz	1.92
		5150 MHz	5.52
		5500 MHz	6.04
		5850 MHz	8.48
6	Radiation pattern	Omni-directional	

2. Measurement results

2.1 S-parameter



2.2 Gain Efficiency

Freq.[MHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]
2400	27.42	-5.62	0.73
2450	43.42	-3.62	2.07
2485	47.56	-3.23	1.92
5150	59.25	-2.27	5.52
5500	59.41	-2.26	6.04
5850	97.14	-0.13	8.48

2.3 Radiation pattern

