

Description: FPC 2.4G antenna

Series: Internal Antenna

PART NUMBER: W3921XXXXX



Features:

- 2400-2500MHz FPC dipole
- Efficiency >50%
- Gain +1dBi
- 100mm cable length and U.FL compatible connector as standard setup, P/N W3921B0100
- Custom configurations upon request

Applications:

- Bluetooth, Zigbee, WiFi, BLE
- ISM 2.4GHz band radios
- Set top boxes,
- Security
- Transportation

All dimensions are in mm / inches

Issue: 1725

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This document covers all product variants of the following product family:

- W3921B0039
 W3921B0050
 W3921B0100
 W3921B0100
 W3921T0150
 M3921T0150
- U.FL compatible connector
- U.FL compatible connector
- U.FL compatible connector
- W.FL compatible connector

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ELECTRICAL SPECIFICATIONS

Frequency	2400-2500MHz
Nominal Impedance	50Ω
VSWR	< 2
Gain	1dBi +/- 1 dB
Efficiency	50%
Radiation Pattern	Omni
Polarization	Linear
Power withstanding	2 W

(*) All RF parameters measured on 2mm thick PC plate

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MECHANICAL SPECIFICATIONS				
PCB type	Flexible			
Radiator size	33[1.3] x 7.7[0.3] mm[inch]			
Adhesive	3M467			
Total thickness (Radiator + adhesive)	0.1[0.004] mm[inch]			
Weight	about 0.37 g			
Cable type	OD 1.13mm/0.81mm coax cable			
Cable length	Optional mm[inch]			
Connector	U.FL/W.FL compatible			

ENVIRONMENTAL SPECIFICATIONS

Operating temperature

-40/+85° C

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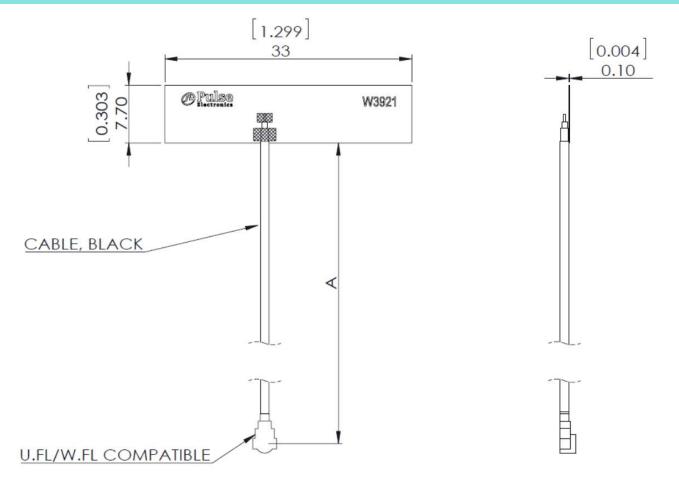


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MECHANICAL DRAWING



ITEM	PROJECT NAME	A LENGTH(MM)	CABLE P/N	CABLE DIAMETER	CONNECTOR
1	W3921B0050	50	055-2248.001	1.13MM	U.FL COMPATIBLE
2	W3921B0100	100	055-2248.002	1.13MM	U.FL COMPATIBLE
3	W3921T0150	150	055-2248.003	0.81MM	W.FL COMPATIBLE
4	W3921B0039	39	055-2248.004	1.13MM	U.FL COMPATIBLE

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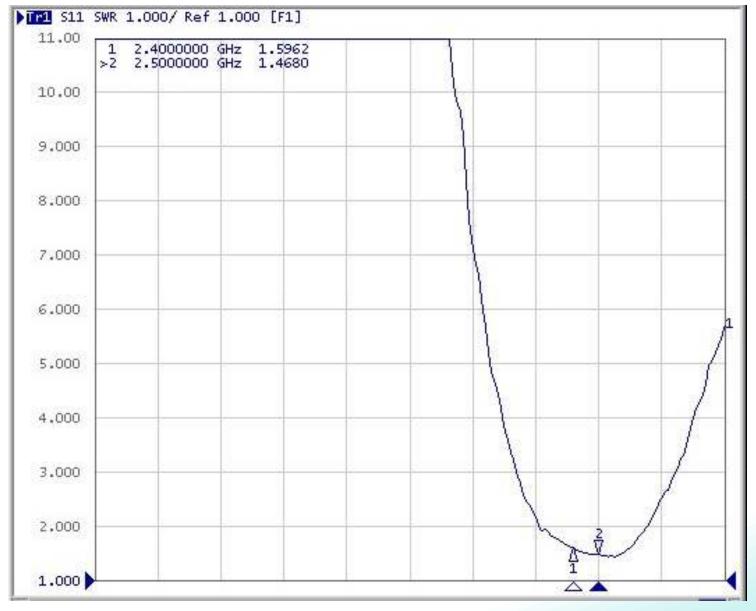
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CHARTS

(*) All RF parameters measured on 2mm thick PC plate

VSWR



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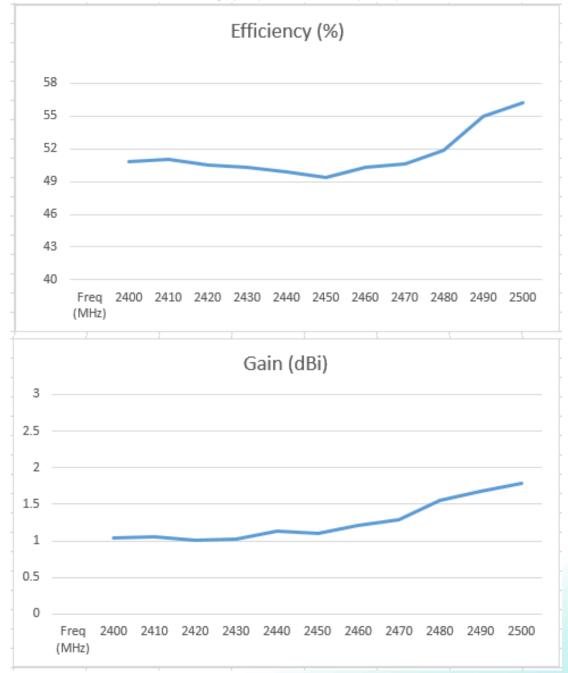
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Series: Internal Antenna

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CHARTS

(*) All RF parameters measured on 2mm thick PC plate Efficiency(%) & Gain (dBi)



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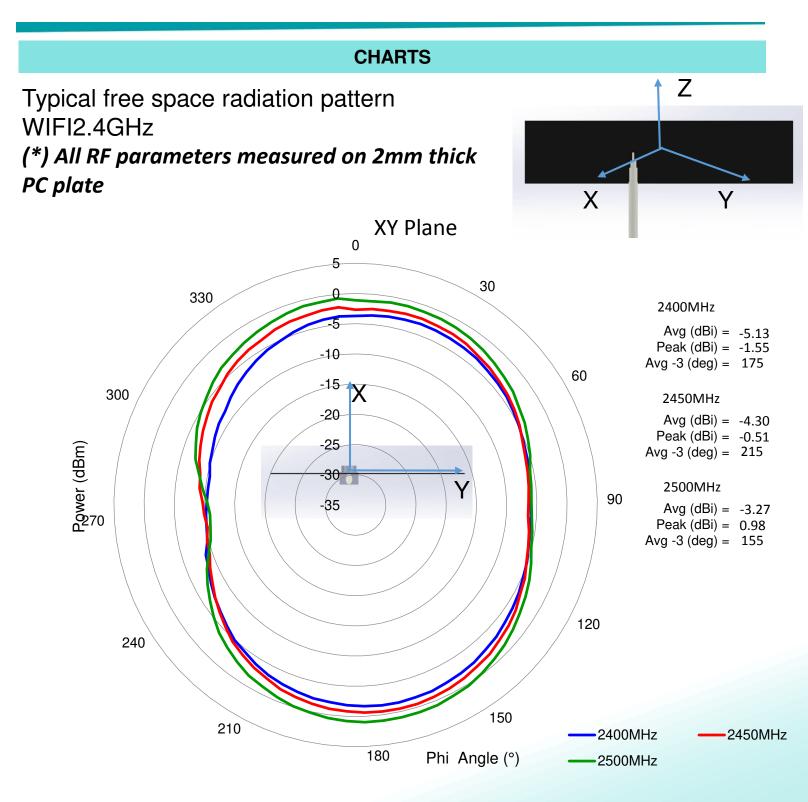
RoHS



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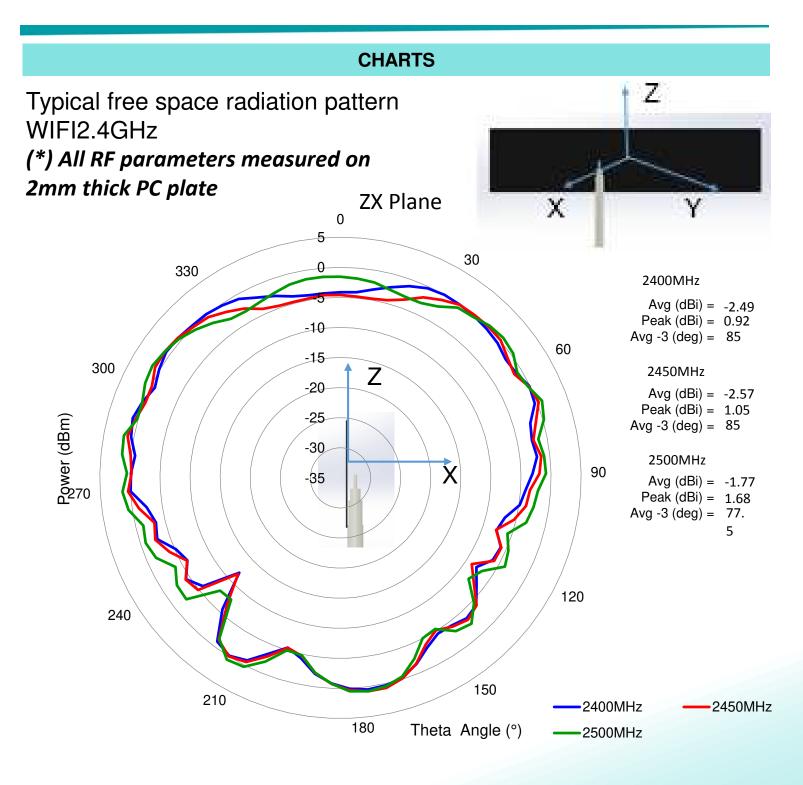
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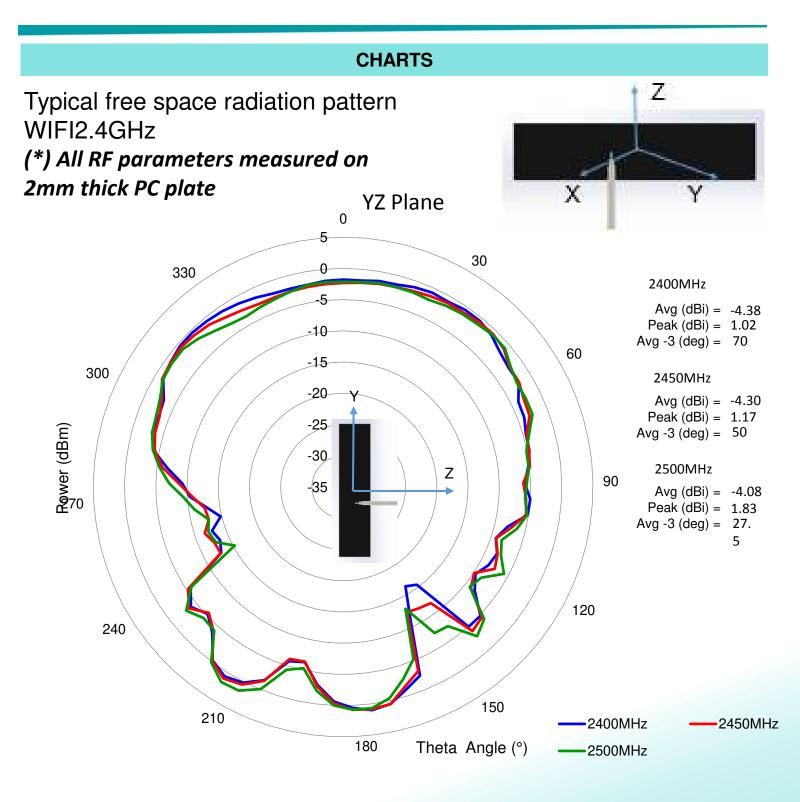
ROHS 10



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ROHS 11



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PACKAGING

10PCS/PE bag 10 PE bag/foam bag 50 foam bag/ carton box

Total 5000PCS/Carton box





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