

Internal Antenna FPCB + Cable Antenna

W3918B0060– 2400~2500 4900-7125MHz



Features & Applications:

- 2400-2500 / 4900-7125 MHz
- Size 35.2 X 8.5 X 0.15 mm
- VSWR < 2
- WiFi 6E, 802.11ax
- Bluetooth, BLE, ZigBee
- DSRC
- ISM band radios
- IoT, M2M



ELECTRICAL SPECIFICATIONS @ 25°C

General Specifications

Antenna type	Nominal Impedance	Polarization	Radiation pattern	Power withstanding
Dipole antenna	50Ω	Linear	Omni	3W

Frequency (MHz)	2400~2500 4900-7125
Return Loss	<-10
VSWR	<2:1
Peak Gain(dBi)	>2.5
Ave. Efficiency(%)	>60

MECHANICAL SPECIFICATIONS

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Dimension (L x W x T)	Material	Color	Cable type	Connector Type	Cable length	Weight
35.2 x 8.5 x0.15 mm	FPC	Black	1.13mm	U.FL compatible	60mm	0.32g

ENVIRONMENTAL SPECIFICATIONS

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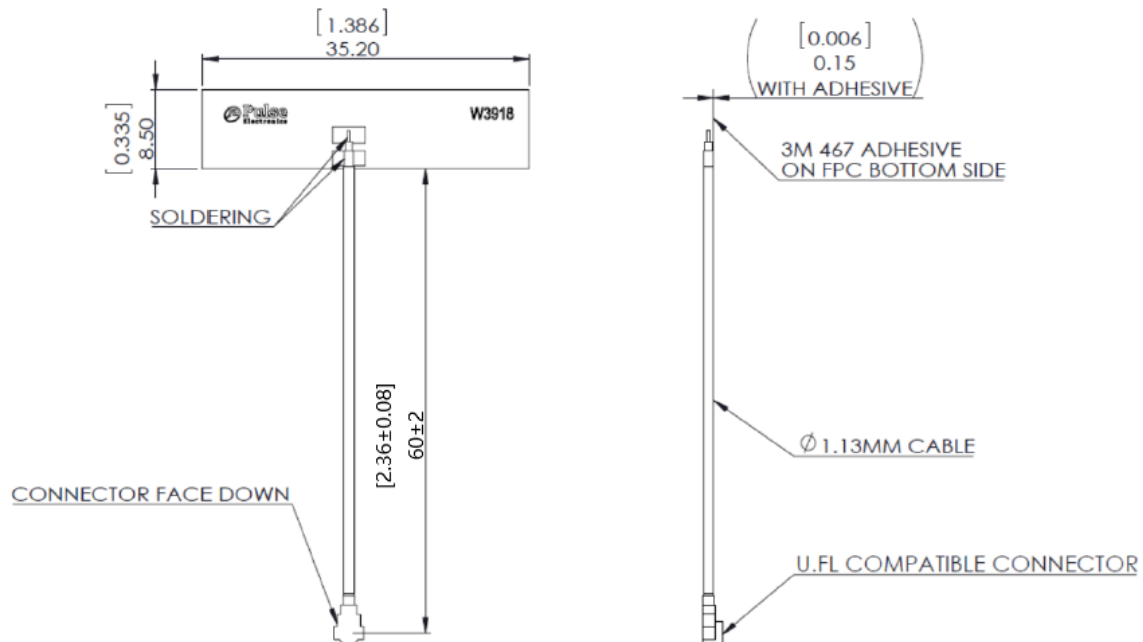
Storage Temperature	Operating Temperature	RoHS Compliant	
-40/+85° C	-40/+85° C	Yes	

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Mechanical Drawing

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Dimensions: mm/inches Unless otherwise specified, all tolerances are ± 0.010 (0.25mm)

Test Setup

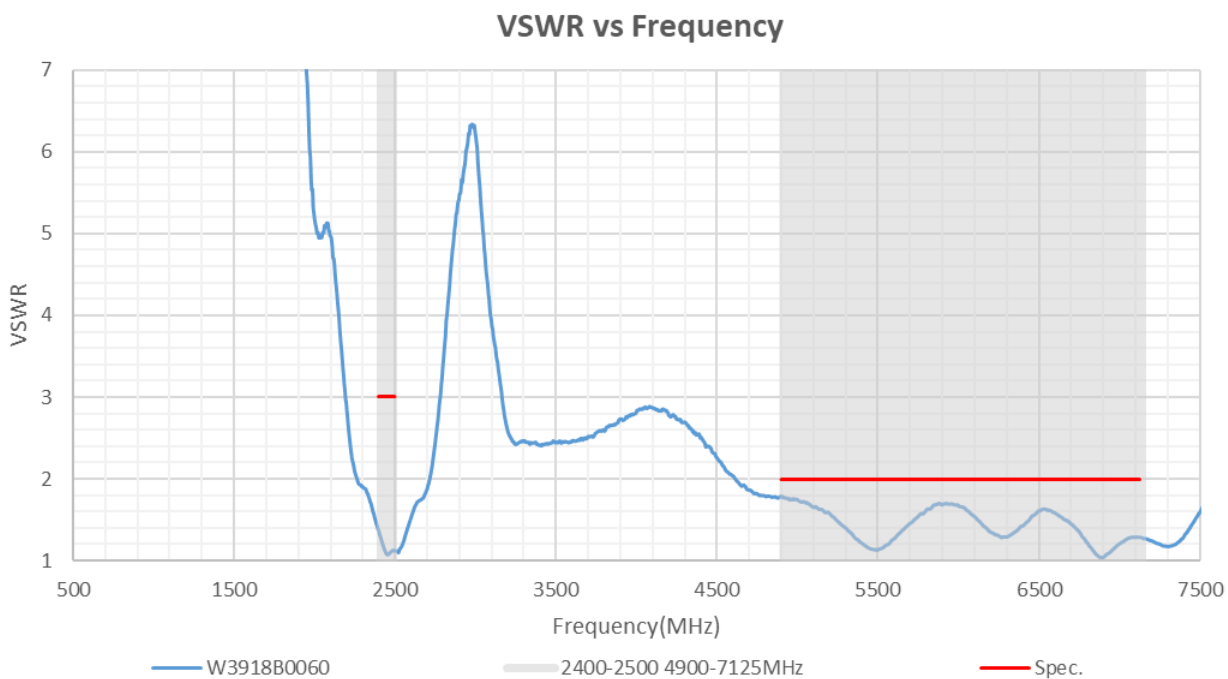
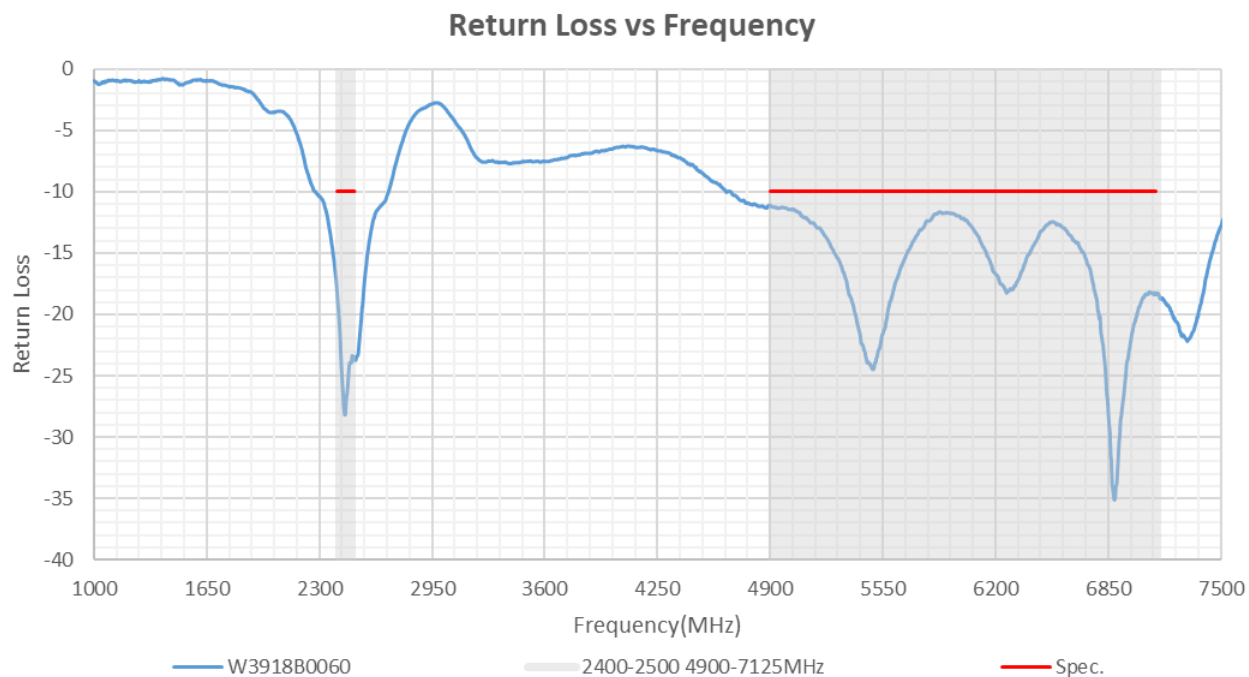
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- Measured at Pulse Suzhou
- Test data measured with 2mm thick plastic plane, cable length 60mm



Return Loss&VSWR

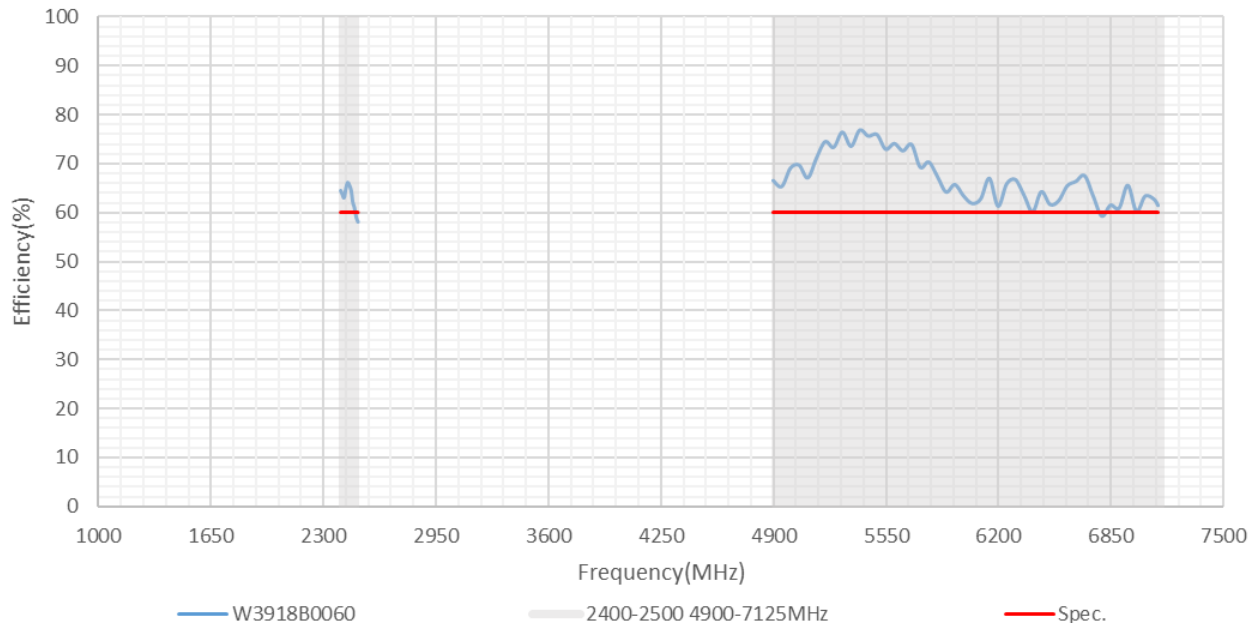
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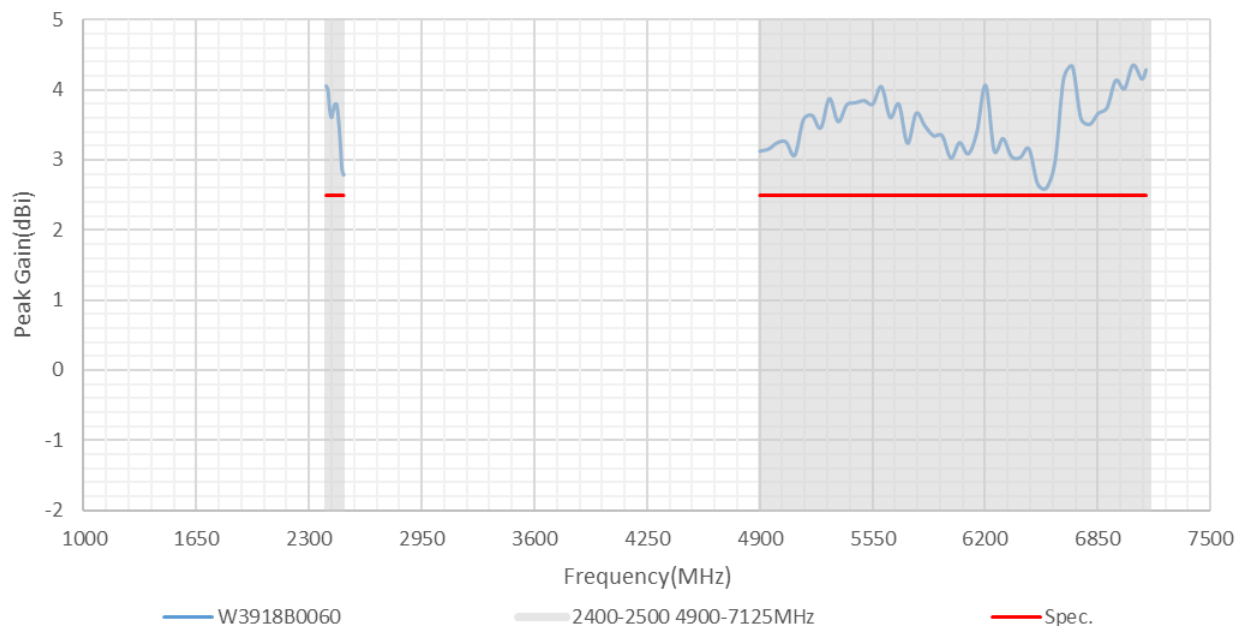
Efficiency & Peak Gain

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Efficiency vs Frequency



Peak Gain vs Frequency



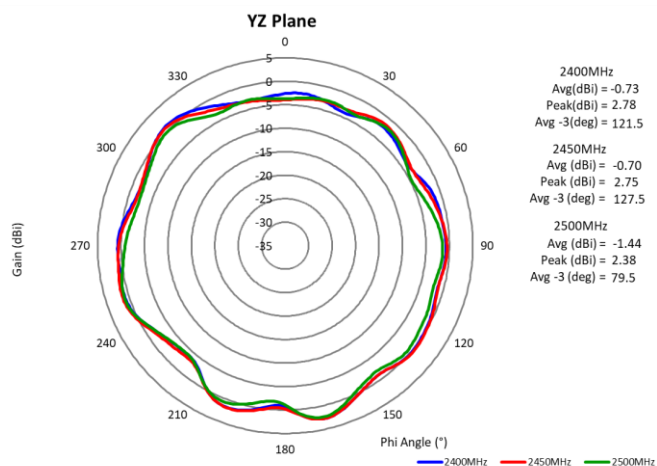
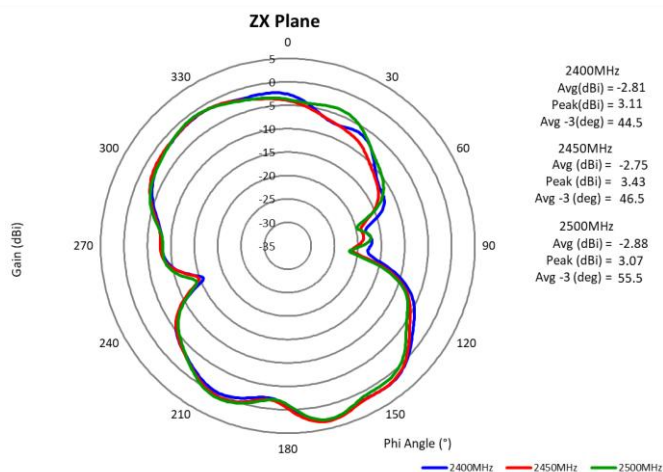
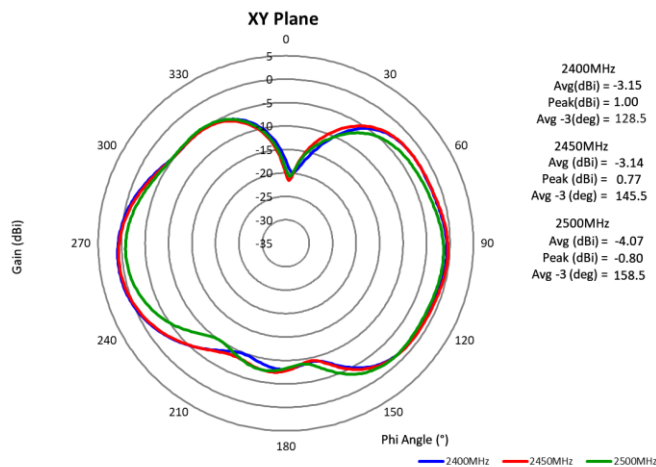
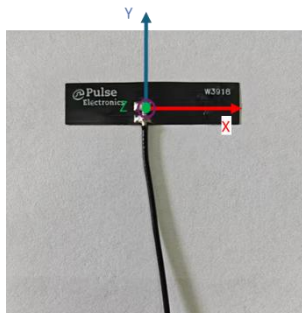
Band	UNII-1/2A/2C/3(5150-5850MHz)	UNII-5(5925-6425MHz)
Peak Gain (dBi)	4.04@5600MHz	4.06@6200MHz

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Patterns(2400/2450/2500MHz)

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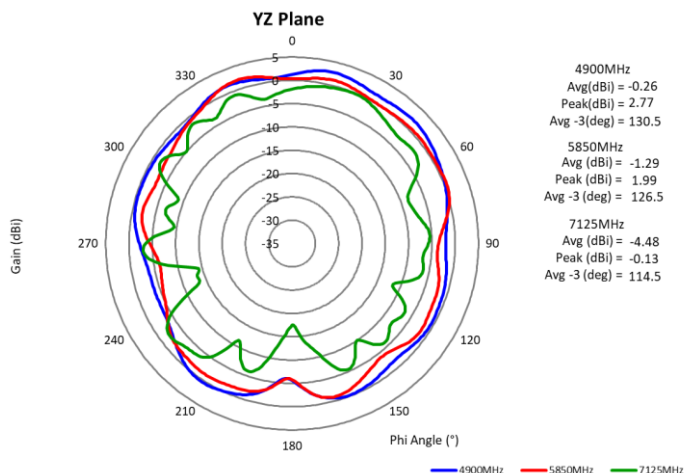
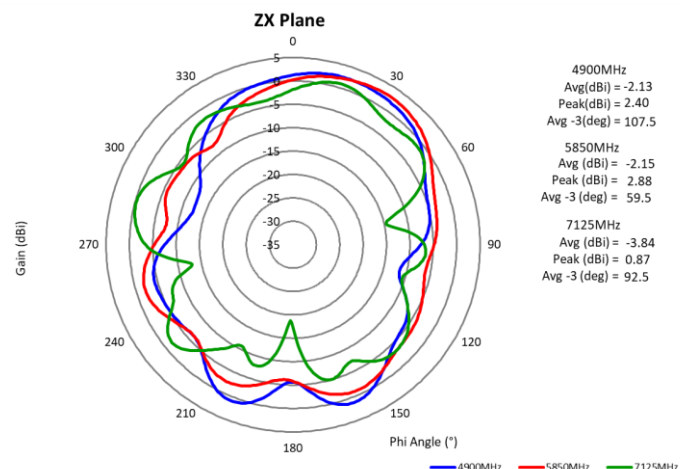
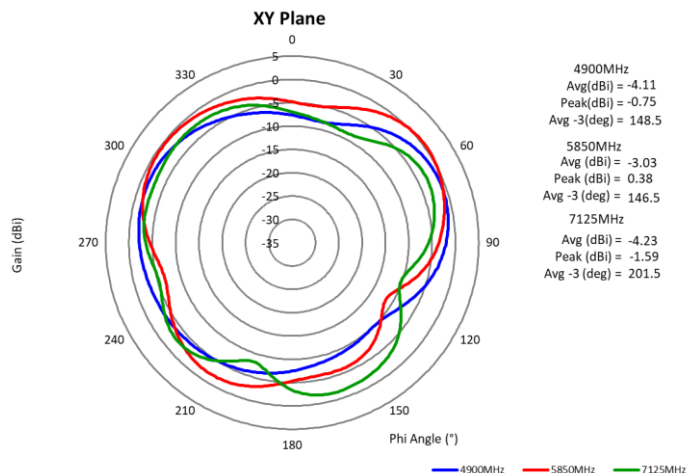
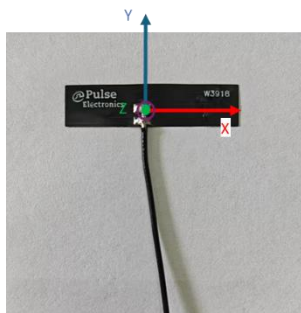


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Patterns(4900/5850/7125MHz)

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Packaging

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1. 10PCS/PE bag
2. 10 PE bag/foam bag
3. 30 foam bag/ carton box (TBD)
4. Total 3000PCS/Carton box(TBD)

For More Information:

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