

External Outdoor Antenna for 2.4GHz Application

Pulse Part Number: W5001, W5010 and W5011



Features

- Antenna size W5001: 18.2x128.05 mm
W5010: \varnothing 10x130.09 mm
W5011: \varnothing 10x130.09 mm
- Ingress Protection IP65
- UV protection
- RoHS Compliant Product
- Connector Type W5001: Fixed right angle RP-SMA (Male Body, Female Pin)
W5010: Straight RP-SMA (Male Body, Female Pin)
W5011: Straight RP-SMA (Male Body, Male Pin)

Applications

- Zigbee 802.15, ISM 2.4GHz
- Metering, Security, M2M Applications

Part Numbers:

P/N	Connector
W5001	Fixed Right Angle RP- SMA(Male)
W5010 W5011	Straight RP-SMA(Male) Straight SMA (Male)

Electrical specifications @ +25 °C

W5001, W5010 and W5011 Typical free space performance

Frequency Range [MHz]	Max Gain [dBi]	Efficiency [%] / [dB]	Return loss min. [dB]	Impedance [Ω]	Operating Temperature [°C]
2400 - 2500	1.5	70/-1.5	-10	50	-40 to +85

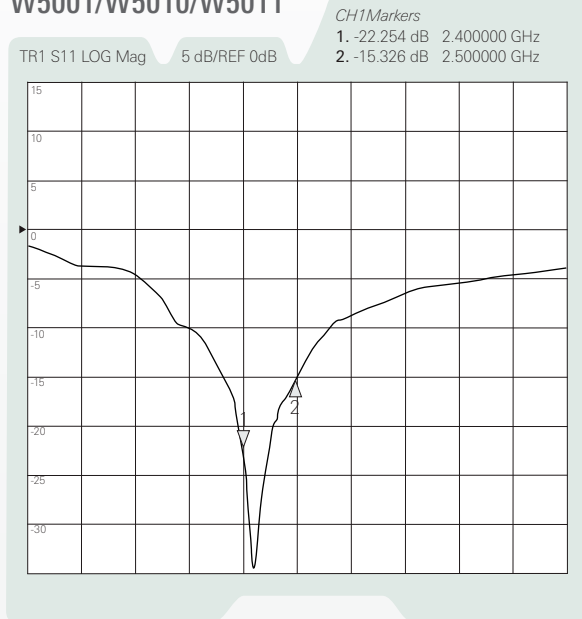
External Outdoor Antenna for 2.4GHz Application

Pulse Part Number: W5001, W5010 and W5011

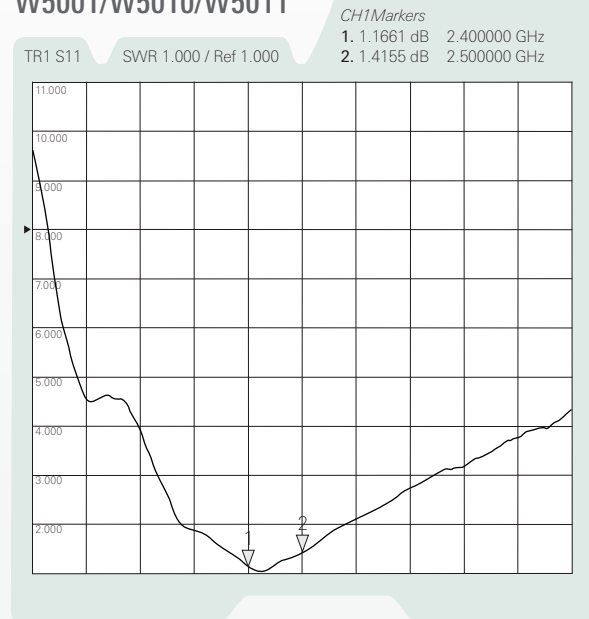
Typical Electrical Characteristics (free space, T=25 °C)

Typical Return Loss S11/ VSWR

W5001/W5010/W5011



W5001/W5010/W5011



Free Space Total Field Maximum Gain

Total Filed Peak Gain

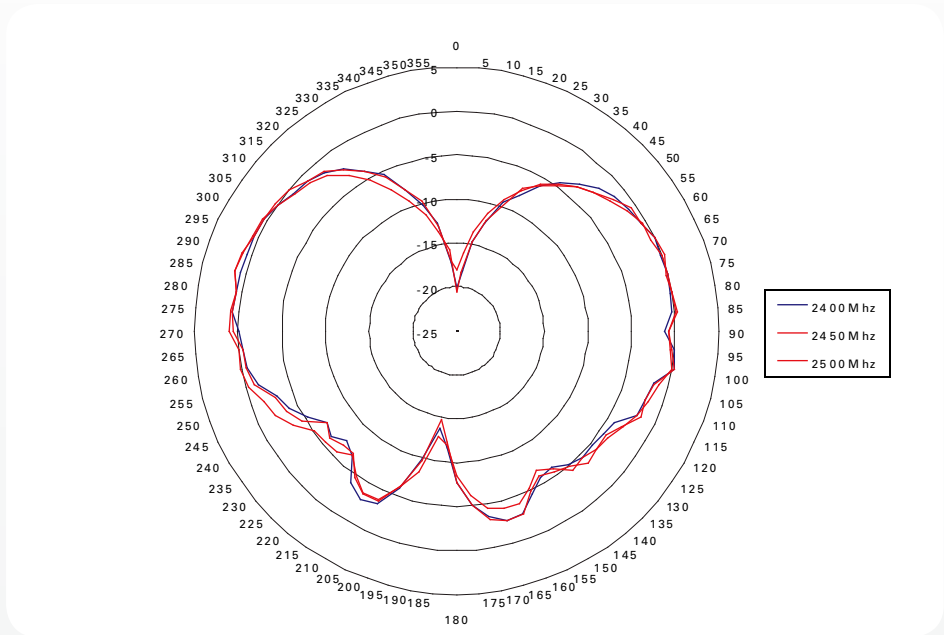


External Outdoor Antenna for 2.4GHz Application

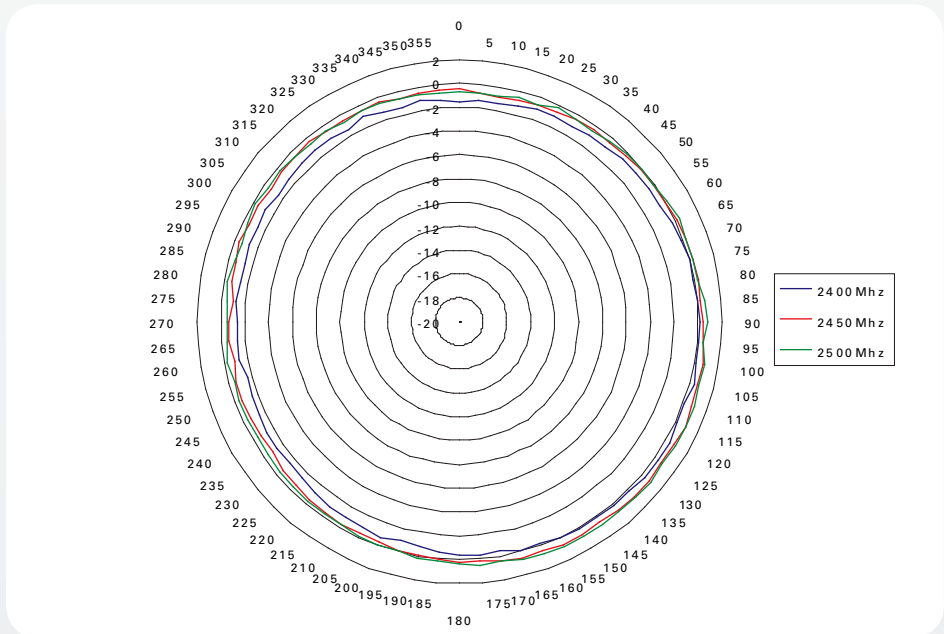
Pulse Part Number: W5001, W5010 and W5011

Typical Free space Radiation Patterns

E Plane Radiation Pattern



H Plane Radiation Pattern

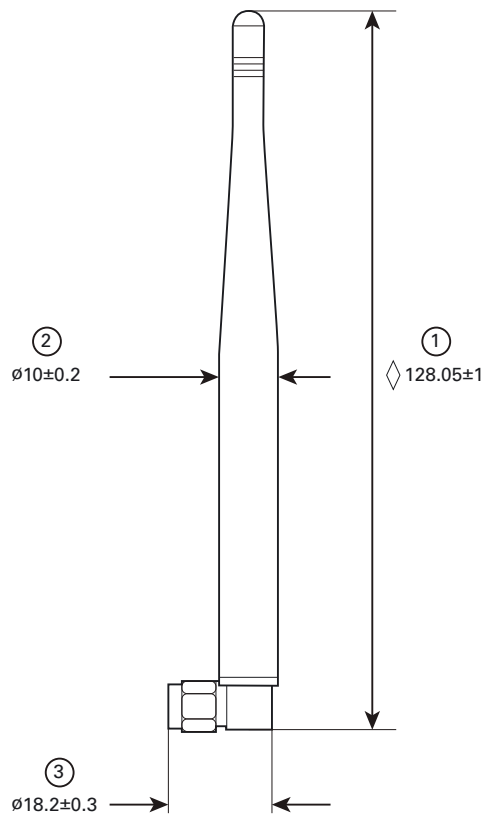


External Outdoor Antenna for 2.4GHz Application

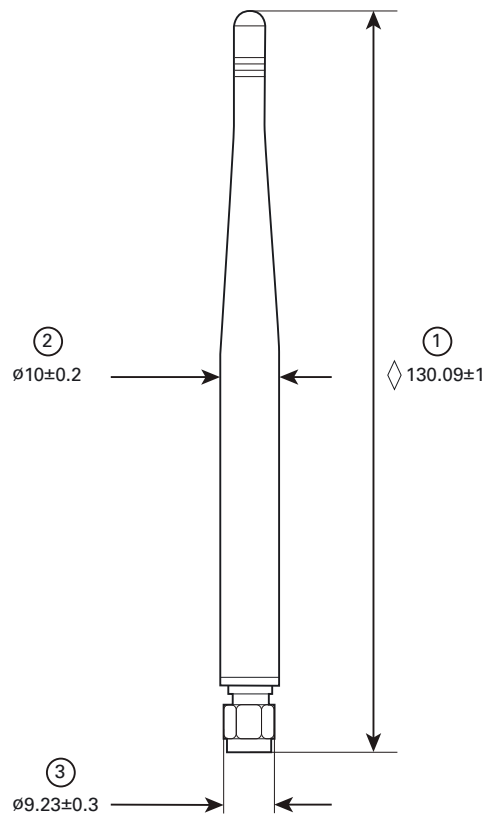
Pulse Part Number: W5001, W5010 and W5011

Connector Configuration

W5001



W5010 & W5011



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Antennas](#) category:

Click to view products by [Pulse](#) manufacturer:

Other Similar products are found below :

[CCT FM1](#) [ABFT](#) [AD-NM-SMAF 001-0021](#) [CTC110](#) [MAF94149](#) [EXE902SF](#) [MMCX-SMA-100](#) [PDQ24496-91NF](#) [GAN30084EU](#) [930-033-R](#) [A08-HABUF-P5I](#) [AAF95035](#) [DG-ANT-20DP-BG-B](#) [APAMPGJ-141](#) [1513563-1](#) [OF86315-FNF](#) [OP24516DS-91NM](#) [A09-HASM-7](#) [EXE902MD](#) [EXE902SM](#) [SPDA17806/2170LAR](#) [APAMPG-117](#) [GPS1575SP26-004](#) [GPS15MGSMA](#) [CMD69273P-30NF](#) [CMQ69273-30NF](#) [RD2458-5-OTDR-NM](#) [RD2458-5-RSMA](#) [TRAB24/49003](#) [W4120ER5000](#) [W6102B0100](#) [YE572113-30RSMM](#) [108-00014-50](#) [SPDA17RP918](#) [OP24516SX-91NM](#) [OP24516SX-91RSMM](#) [CMQ69273P-30NF](#) [CMS69273-30NF](#) [CMS69273P-30NF](#) [TRAB24003N](#) [TRAB24003NP](#) [TRAB8213NP](#) [TRAB8903](#) [A09-Y8NF](#) [A09-Y11NF](#) [A09-HSM-7](#) [A09-F8NF-M](#) [A09-F5NF-M](#)