



SMB Antenna

- ⊕ IP68 Sealing
- ⊕ SMB 50 ohm interface
- ⊕ For use with SMB Buccaneer
- ⊕ Three frequency bands:
440 to 470MHz
900/1800/1900MHz
2.4 to 2.5GHz
- ⊕ Maintains sealing integrity of equipment

Bluetooth Cable Replacement

- ⊕ IP68 Sealing
- ⊕ RS485/RS232 serial interfaces
- ⊕ Serial data to Bluetooth
- ⊕ Wireless transparent data connection
- ⊕ Up to 100m range (class 1)
- ⊕ Maintains sealing integrity of equipment

BUCCANEER FOR DATA
400 Series - Wireless Buccaneer

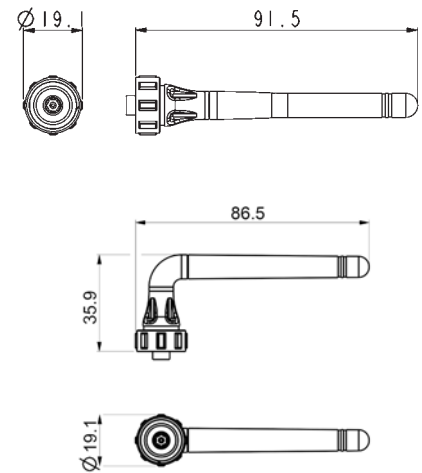
Antenna



SMB Antenna



- Dust & waterproof to IP68
EN60529 when mated
- Secure screw thread locking
- Built-in sealed antenna
- Mates with SMB Buccaneer
PX0414
- Frequency bands:
2.4 to 2.5GHz
440 to 470MHz
900/1800/1900MHz



Part no.	Description
PX0407	IP68 rated, Buccaneer Antenna, 2.4 to 2.5GHz frequency band
PX0408	IP68 rated, Buccaneer Antenna, 440 to 470MHz frequency band
PX0409	IP68 rated, Buccaneer Antenna, 900/1800/1900MHz frequency band
PX0407/90	IP68 rated, Buccaneer Antenna, 2.4 to 2.5GHz frequency band
PX0408/90	IP68 rated, Buccaneer Antenna, 440 to 470MHz frequency band
PX0409/90	IP68 rated, Buccaneer Antenna, 900/1800/1900MHz frequency band

Specification

Electrical

Frequency	
PX0407	2.4 to 2.5GHz
PX0408	440 to 470MHz
PX0409	850-900/1800/1900MHz

Configuration	
PX0407	¼ Wavelength
PX0408	½ Wavelength
PX0409	½ Wavelength

Radiation	Omnidirectional
Polarization	Vertical
Impedance	50Ω nominal
VSWR	<2

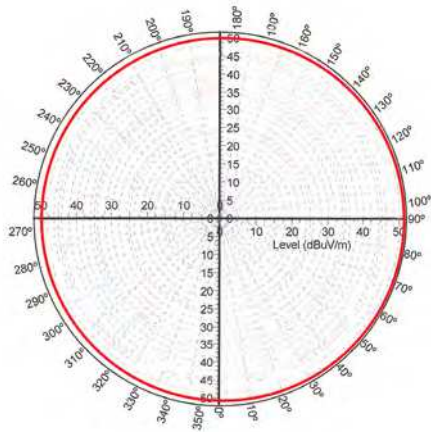
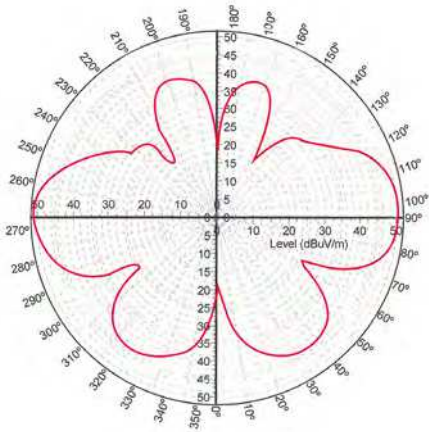
Mechanical

Sealing	IP68, EN60529:1992+A2:2013, when mated (10m depth for 2 weeks)
Operating Temperature:	-20°C to +65°C
Salt Mist	EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

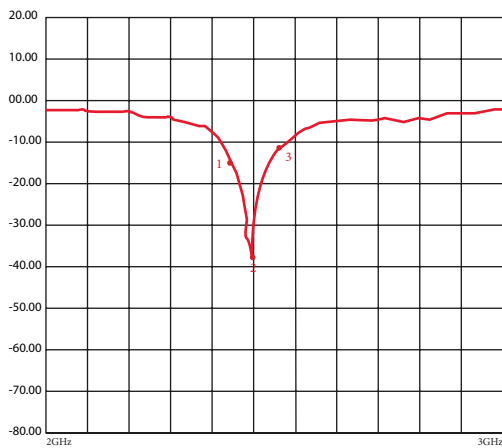
Material

Body Mouldings	PVC
Flammability Rating	UL94V-0
UV Resistance	EN50021:1999
RoHS	Compliant

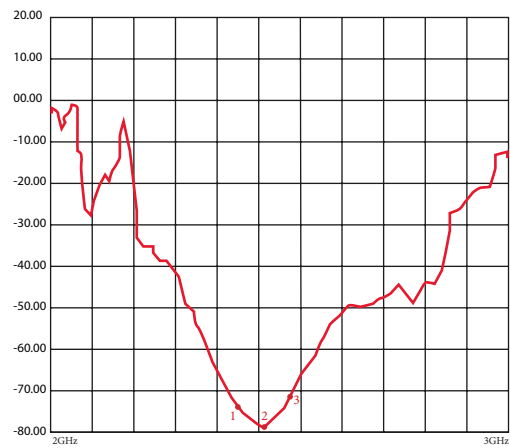
PX0407 Polar plots



PX0407 Radiation Pattern plots

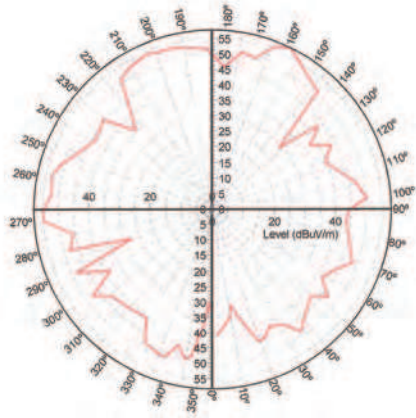


- 1 -12.624 dB 2.40000 GHz
- 2 -34.951 dB 2.45000 GHz
- 3 -12.777 dB 2500.000 000 MHz



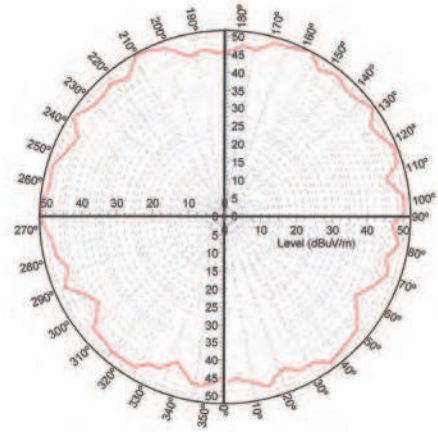
- 1 1.5659 dB 2.40000 GHz
- 2 1.6514 dB 2.45000 GHz
- 3 1.6032 dB 2500.000 000 MHz

PX0408 Polar plots



Pattern Field

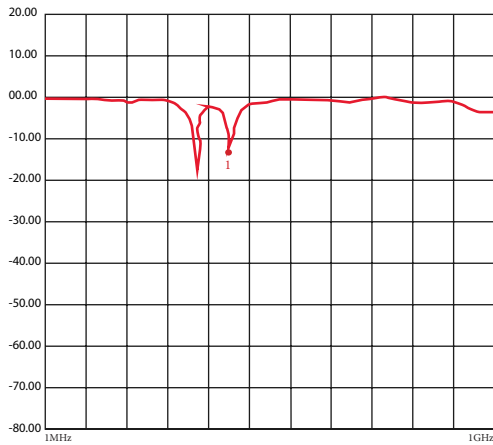
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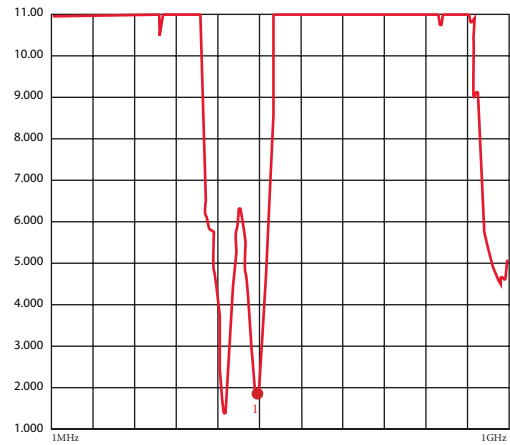
Pattern Field

H

PX0408 Radiation Pattern plots



1 450.00000 MHz -13.300 dB



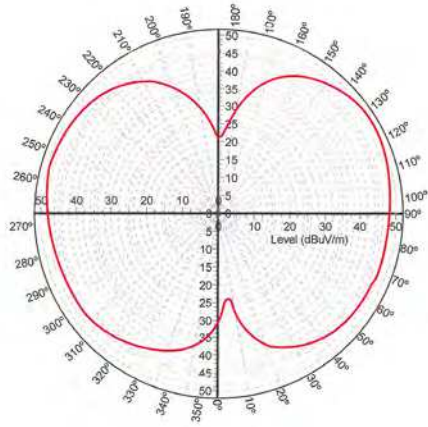
1 450.00000 MHz -13.300 dB

400 Series - Wireless Buccaneer

Polar/Antenna Plots

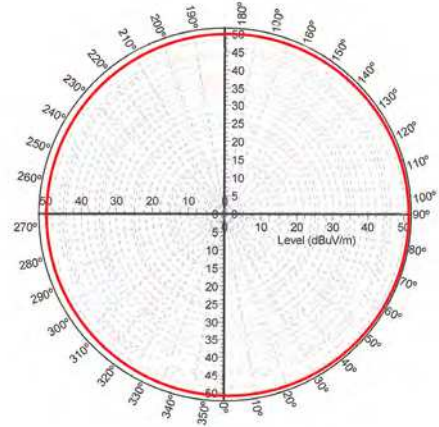


PX0409 / 900MHz Polar plots



Pattern Field

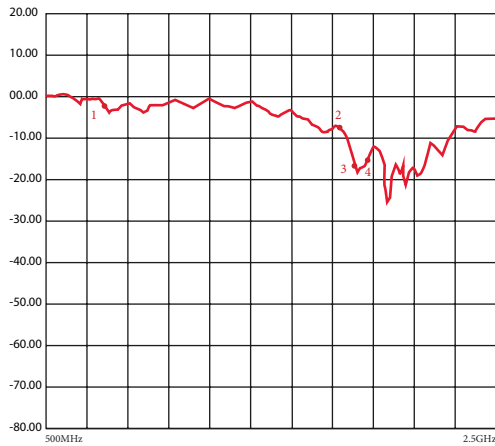
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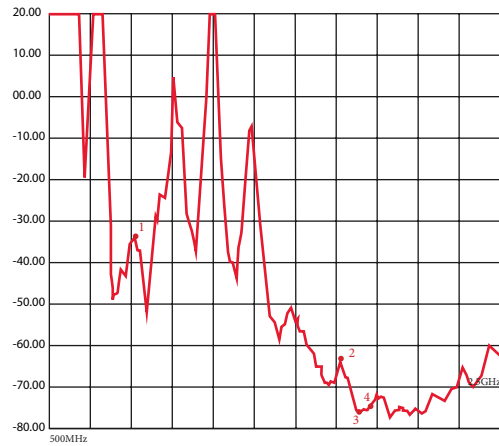
Pattern Field

H

PX0409 / 900MHz Radiation Pattern plots

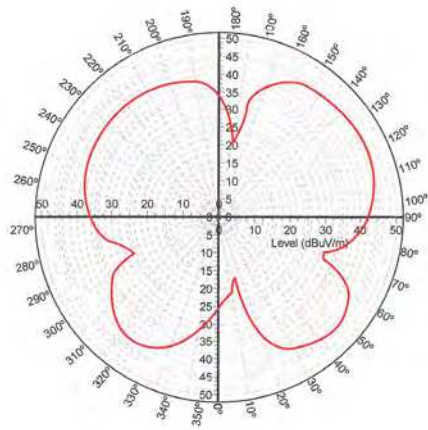


- 1 900.00000 MHz -3.4307 dB
- 2 1.8000000 GHz -9.0130 dB
- 3 1.8800000 GHz -19.516 dB
- 4 1.9000000 GHz -20.297 dB



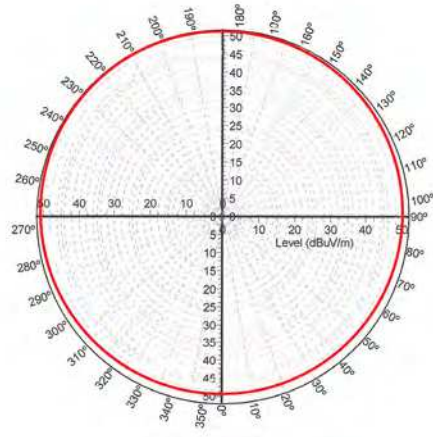
- 1 900.00000 MHz 5.1694 dB
- 2 1.8000000 GHz 2.2481 dB
- 3 1.8800000 GHz 1.2377 dB
- 4 1.9000000 GHz 1.2052 dB

PX0409 / 1800MHz Polar plots



Pattern Field

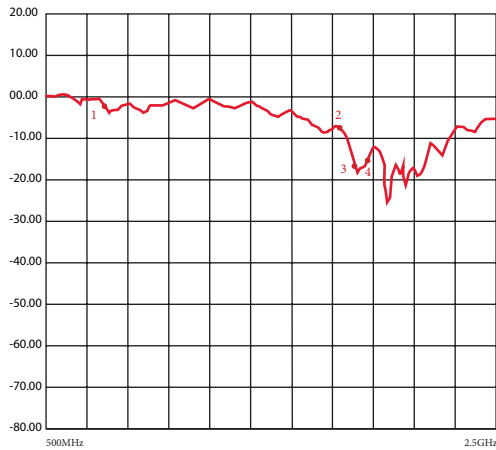
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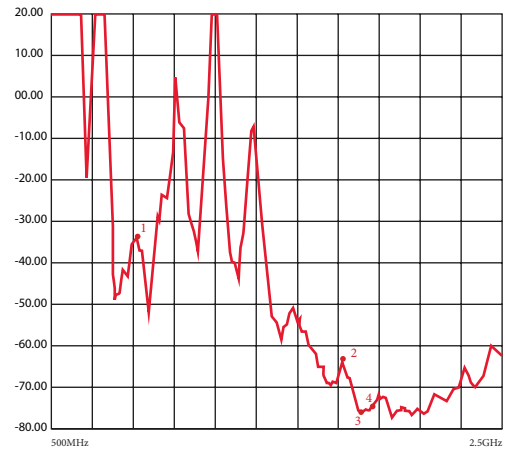
Pattern Field

H

PX0409 / 1800MHz Radiation Pattern plots



- 1 1.9000000 MHz -3.4307 dB
- 2 1.8000000 GHz -9.0130 dB
- 3 1.8800000 GHz -19.516 dB
- 4 1.9000000 GHz -20.297 dB



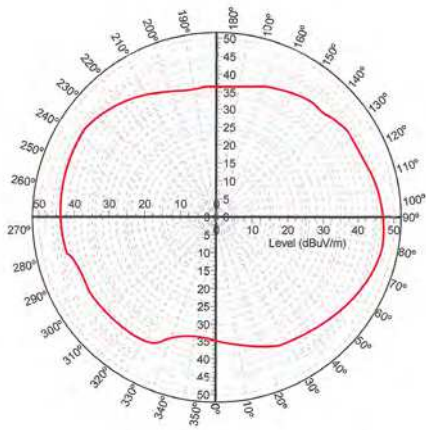
- 1 1.9000000 MHz 5.1694 dB
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- 3 1.8800000 GHz 1.2377 dB
- 4 1.9000000 GHz 1.2052 dB

400 Series - Wireless Buccaneer

Polar/Antenna Plots

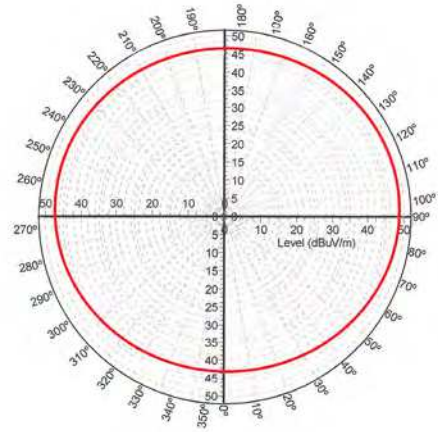


PX0409 / 1800MHz Polar plots



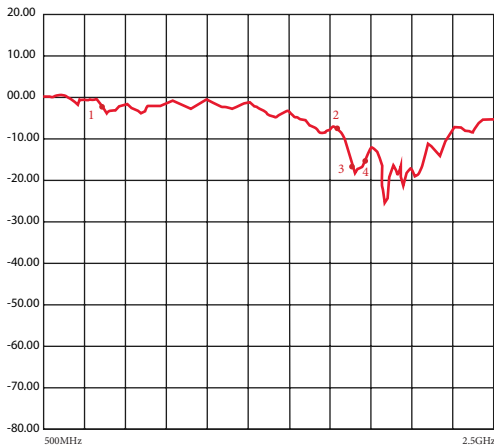
Pattern Field

E

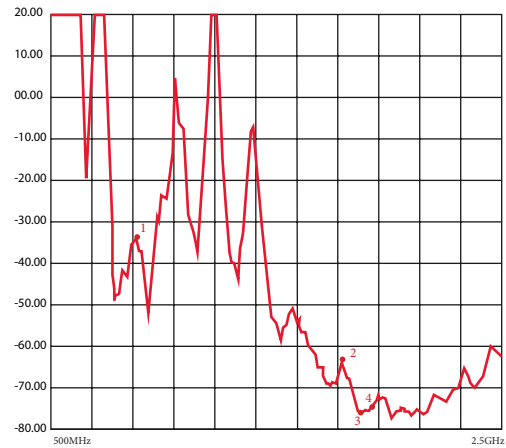


Pattern Field

H



- 1 900.00000 MHz -3.4307 dB
- 2 1.8000000 GHz -9.0130 dB
- 3 1.8800000 GHz -19.516 dB
- 4 1.9000000 GHz -20.297 dB



- 1 900.00000 MHz 5.1694 dB
- 2 1.8000000 GHz 2.2481 dB
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- 4 1.9000000 GHz 1.2052 dB