

Pentaband Dipole Antenna TNC Spin Connector

806-960/1710-2170 MHz, 0.5 dBi. Pulse Part Number: SPDA17806/2170



Electrical Specifications

Frequency		806-960/ 1710-2170 MHz
Nominal Impedance [Ω]		50
VSWR		2.5:1 Max
Gain (806-960)		0 dBi $\pm$.5 dB
Gain (825-900)		.5 dBi $\pm$.5 dB
Gain (1710-2170)		.5 dBi $\pm$.5 dB
Radiation Pattern, 3 dB Beamwidth	Horizontal Plane	Omni
	Vertical Plane (849)	88 ° $\pm$ 2 °
	Vertical Plane (960)	58 ° $\pm$ 2 °
	Vertical Plane (1747)	80 ° $\pm$ 2 °
	Vertical Plane (1850)	48 ° $\pm$ 2 °
	Vertical Plane (1950)	45 ° $\pm$ 2 °
	Vertical Plane (2140):	55 ° $\pm$ 2 °
Polarization		Vertical
Power Withstanding [W]		25
Connector Type		TNC (Male)

Mechanical and Environmental Specifications

Plastic radome	Flammability Rating	Color	Weight [g]	Overall Length [inches]	Operating Temperature [°C]	Storage Temperature [°C]
PC/ABS	UL94 V-0	Gray	36	7.56	-30 to +70	-40 to +85

Pulse Finland Oy

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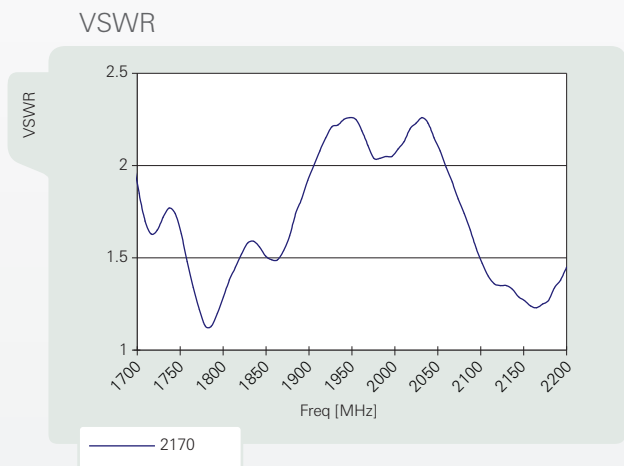
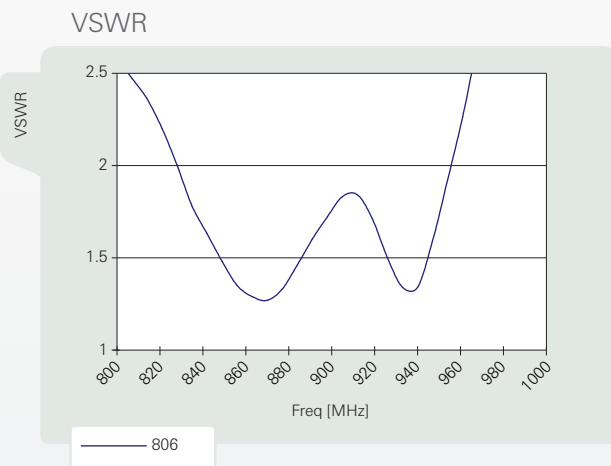


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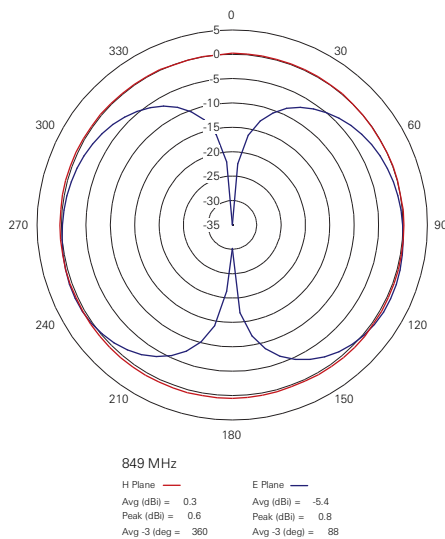
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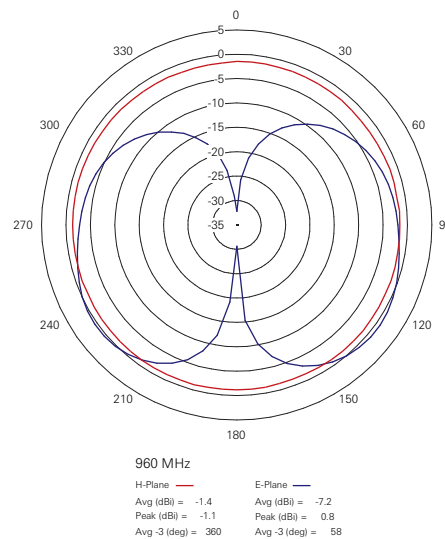
Curves



849 MHz



960 MHz



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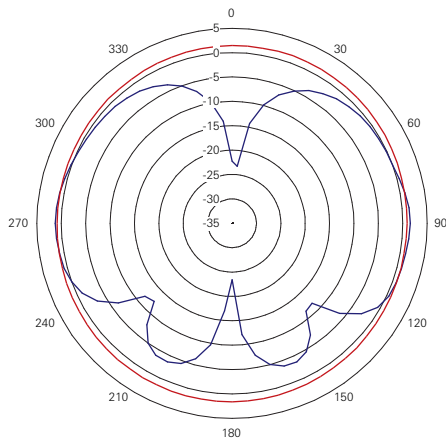
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Curves

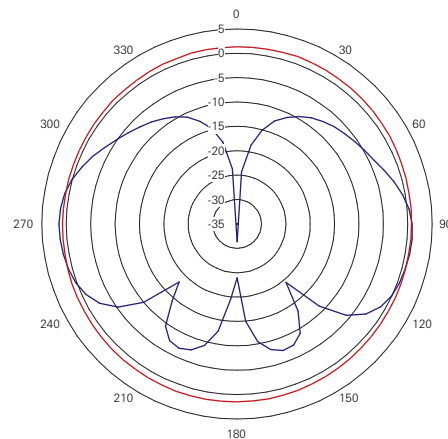
1747 MHz



1747 MHz

H-Plane	—	E-Plane	—
Avg (dBi) =	1.2	Avg (dBi) =	-4.4
Peak (dBi) =	1.6	Peak (dBi) =	1.5
Avg -3 (deg) =	360	Avg -3 (deg) =	80

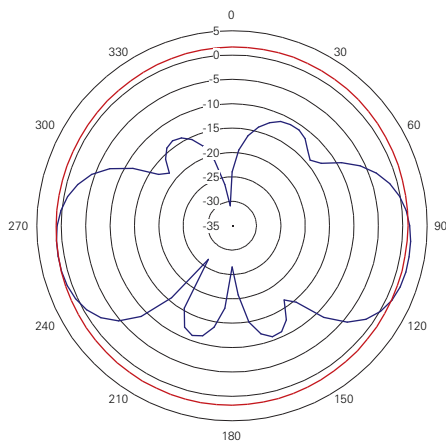
1850 MHz



1850 MHz

H-Plane	—	E-Plane	—
Avg (dBi) =	1.1	Avg (dBi) =	-7.7
Peak (dBi) =	1.5	Peak (dBi) =	1.5
Avg -3 (deg) =	360	Avg -3 (deg) =	48

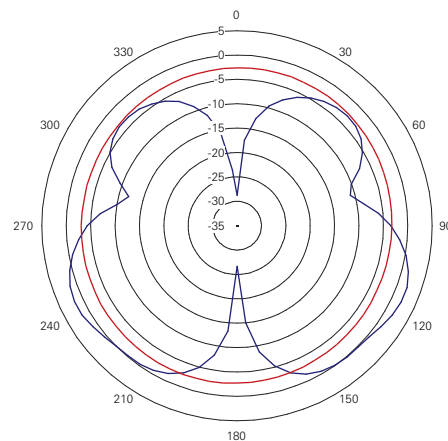
1950 MHz



1950 MHz

H-Plane	—	E-Plane	—
Avg (dBi) =	1.4	Avg (dBi) =	-9.7
Peak (dBi) =	1.8	Peak (dBi) =	1.9
Avg -3 (deg) =	360	Avg -3 (deg) =	45

2140 MHz



2140MHz

H-Plane	—	E-Plane	—
Avg (dBi) =	-2.9	Avg (dBi) =	-5.3
Peak (dBi) =	-2.5	Peak (dBi) =	2.1
Avg -3 (deg) =	360	Avg -3 (deg) =	55

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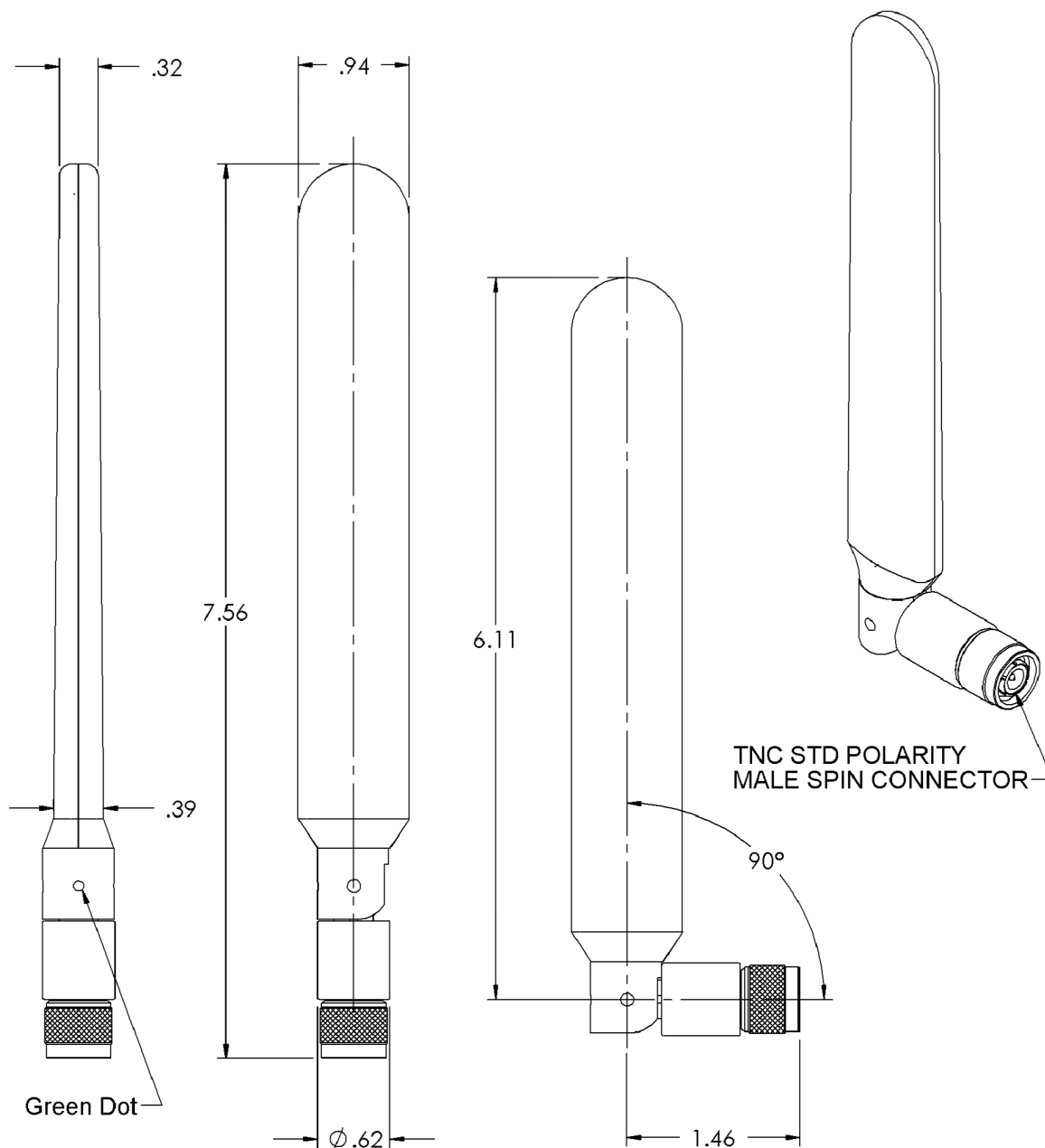
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