PASTERNACK
an INFINITE brand

790 MHz to 2700 MHz Electronic Warfare Omni Antenna, N-Type Female, MIL-STD-810 TAA Complaint



Antennas Technical Data Sheet PEANOM1144

Features

- High Power, High Gain
- N-type Female RF Connector
- MIL-STD-810
- Spring base with US 4 hole or NATO 3/6 hole pattern
- Ground plane independent
- TAA Compliant

Applications

- Electronic Warfare/Jamming
- Cellular Communication/Jamming
- Anti-UAV Operations
- Anti-Unmanned Operations
- Anti-Reconnaissance and Surveillance Systems
- Defense and Strategic Installations

Description

The PEANOM1144 from Pasternack is a high power, high gain MIL-STD-810 omnidirectional antenna, specifically designed for 790 MHz to 2700 MHz vehicle mounted military applications. This Mil Spec antenna is TAA compliant and features standard US 4 hole or NATO 3/6 hole pattern.

The PEANOM1144 antenna, available same day from Pasternack, is tailored for applications in electronic warfare and jamming with its wideband dipole array, seamlessly operating across GSM, 3G, and 4G LTE frequencies. The radome-protected radiator enhances durability, and the absence of a ground plane requirement opens up diverse mounting possibilities, making it an ideal choice for electronic warfare and jamming scenarios where flexibility is paramount.

Designed to weather challenging conditions, the PEANOM1144 stands out as a durable communication solution. Operating in temperatures from -40 to +71 °C, this antenna meets MIL-STD-810 standards for humidity, shock, vibration, blowing rain, and immersion. With impact resistance at 40 km/h and a water immersion depth of 1 meter, the PEANOM1143 ensures unwavering connectivity in active hostile and harsh environments.

Configuration

Design	Mobile
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	N Female
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	790		2,700	MHz
Input VSWR			3:1	
Impedance		50		Ohms
Gain		4		dBi
Input Power			85	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.79 to 1	1 to 1.7	1.7 to 2.2	2.2 to 2.7		GHz

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 790 MHz to 2700 MHz Electronic Warfare Omni Antenna, N-Type Female, MIL-STD-810 TAA Complaint PEANOM1144

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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Maximum Input Power 85 65 60 55 Watts

Power Rating (RMS)*	
790 – 1000 MHz	85 watts (P_{max1})
1000 – 1700 MHz	65 watts (P_{max2})
1700 – 2200 MHz	60 watts (P_{max3})
2200 – 2700 MHz	55 watts (P_{max4})
* Sum of input powers (P) should not exceed the limit of 1 ≥ P1/ Pmax1 + P2/ Pmax2 + P3/ Pmax3 + P4/ Pmax4	

Mechanical Specifications

Mounting Application	4-hole US and 3/6-hole NATO pattern mount
Size	
Overall Length	5 in [127 mm]
Width	5 in [127 mm]
Height	22 in [558.8 mm]
Weight	2.4 lbs [1.09 kg]

Environmental Specifications

Temperature	
Operating Range	-40 to +71 deg C
Storage Range	-40 to +85 deg C
Environment	MIL-STD-810F
Wind Loading	118 MPH [189.9 KPH]
Humidity	MIL-STD-810E, Method 507.3 Procedure III
Shock	MIL-STD-810F, Method 516.5 Procedure I
Vibration	MIL-STD-810F, Method 514.5 Category 24

Environmental Specification Notes:
- Beam Impact Resistance: Impact at 40 km/h at 70 % height of the radiator

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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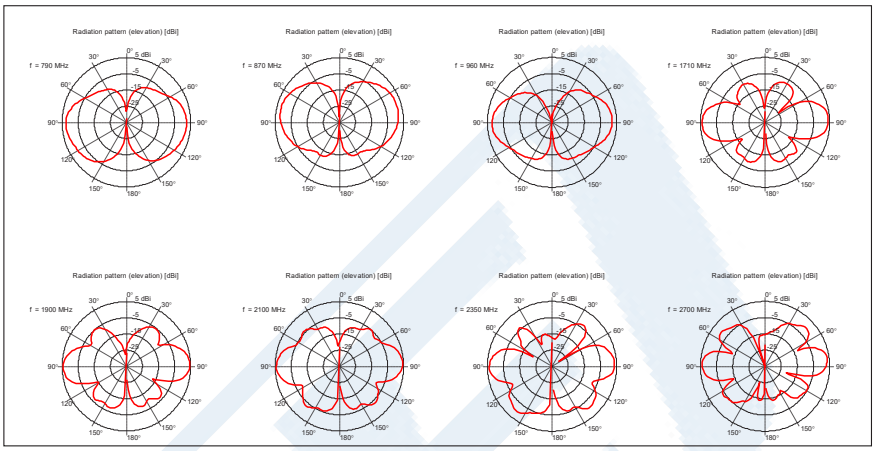
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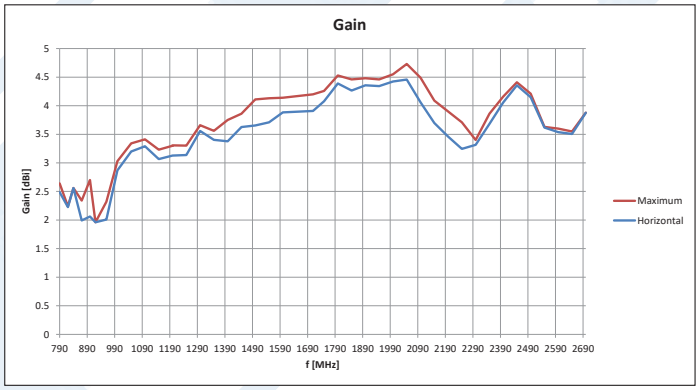
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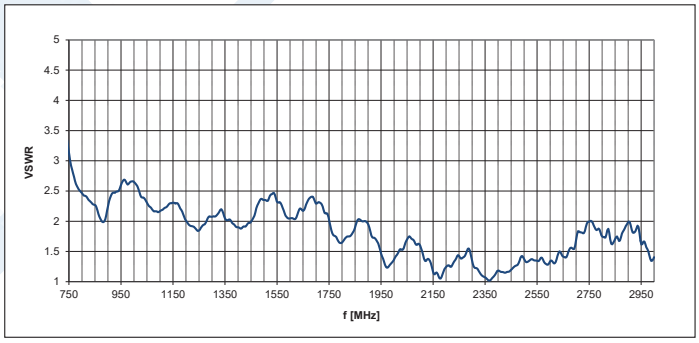
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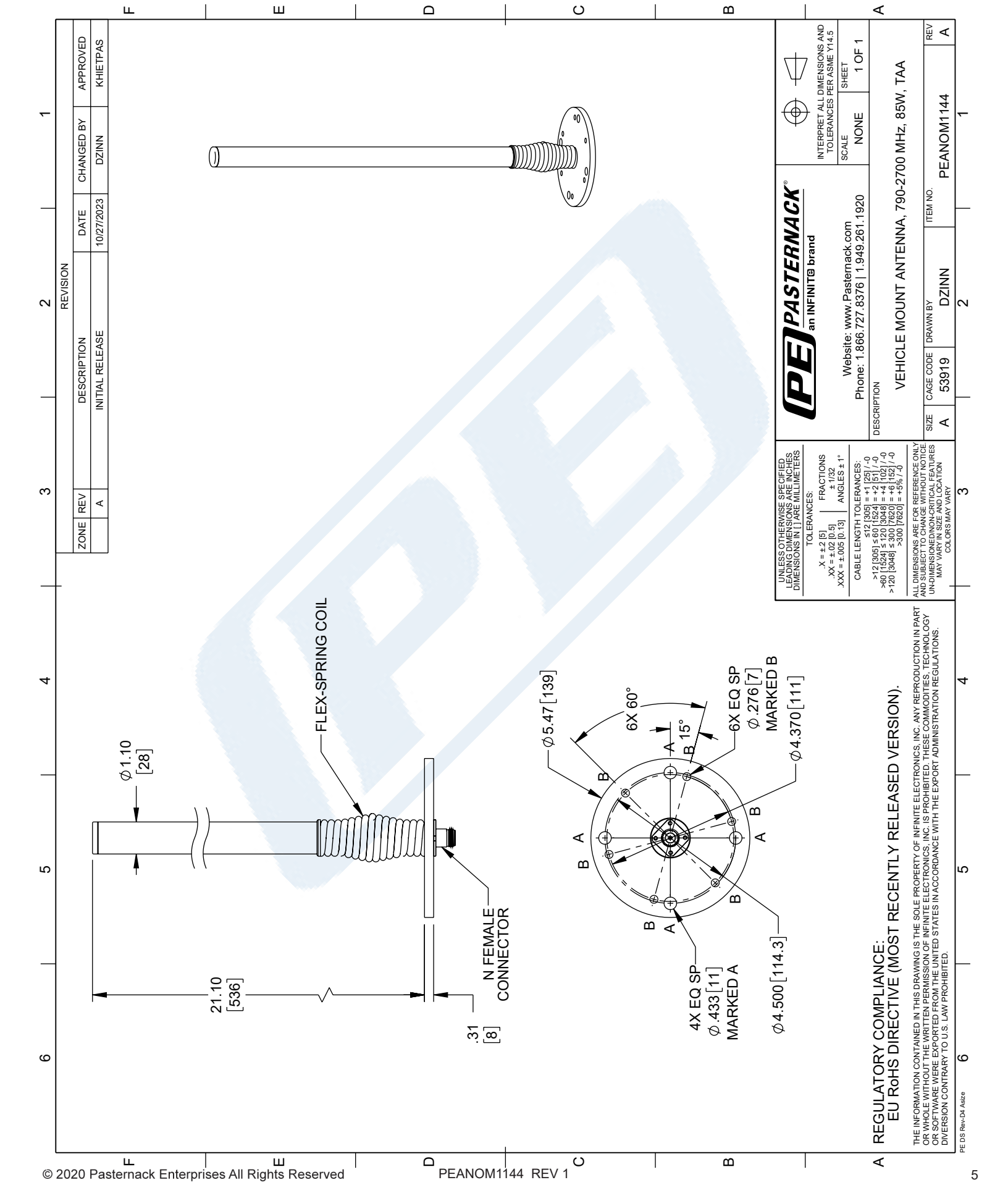
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PEANOM1144 CAD Drawing

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