

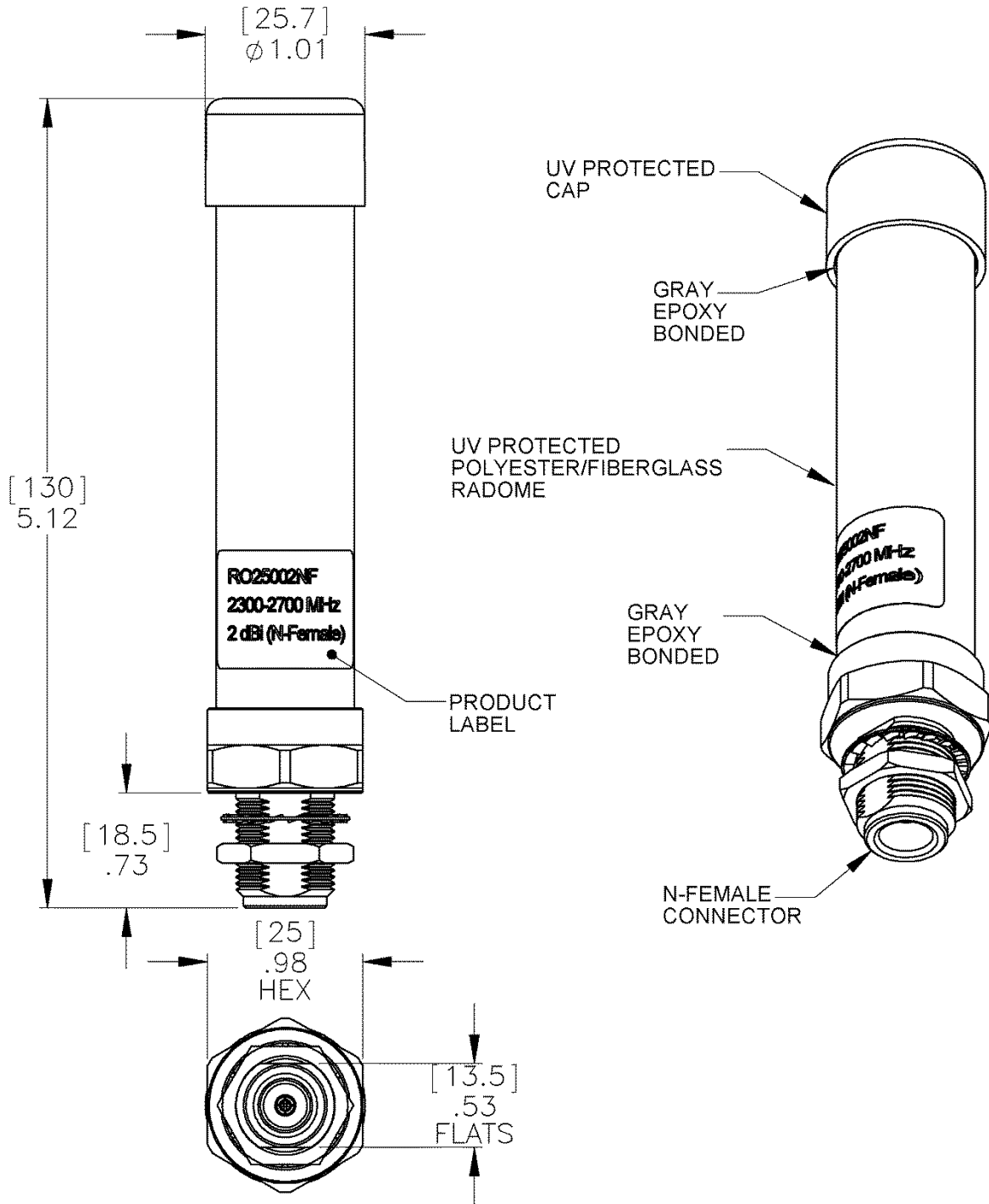


RADOME OMNI- OMNIDIRECTIONAL

2300-2700 MHz

RO25002NF

Series : **ANTENNA**



All dimensions are in inches [mm]

Issue: 1523

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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**RADOME OMNI- OMNIDIRECTIONAL****2300-2700 MHz****RO25002NF**Series : **ANTENNA****ELECTRICAL SPECIFICATIONS**

Antenna type	Dipole (All electrical performance measured "in free space")		
Frequency	2300-2700	MHz	
Nominal Impedance	50	Ω	
VSWR	2:1	Max	
Peak Gain	2	dBi	
Efficiency	85	%	
HPBW / Horizontal Plane	Omni		
HPBW / Vertical Plane	70	$^{\circ}$	TYP
Polarization:	Vertical		
Power withstanding	50	W	
PIM at 2x20 watts	-155	dBc	
E.S.D. Protection	DC Grounded		
Connector type	N Female		

MECHANICAL SPECIFICATIONS

Plastic radome	Pultruded polyester/fiberglass – UV protected		
Color	White		
Ingress Protection	IP67		
Weight	100	g	
Wind-loading	150	mph	
Overall length	5.12	INCHES	
Side loading @ 1 ft	30	Lbs	
Pull off	100	Lbs	

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40/+85 $^{\circ}$ C		
Temperature Cyclic	-40 $^{\circ}$ C dwell 6 hours/+65 $^{\circ}$ C dwell 6 hours, 4 full cycles		
Leak test	Fully submerged 12", 12 hours		

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RADOME OMNI- OMNIDIRECTIONAL

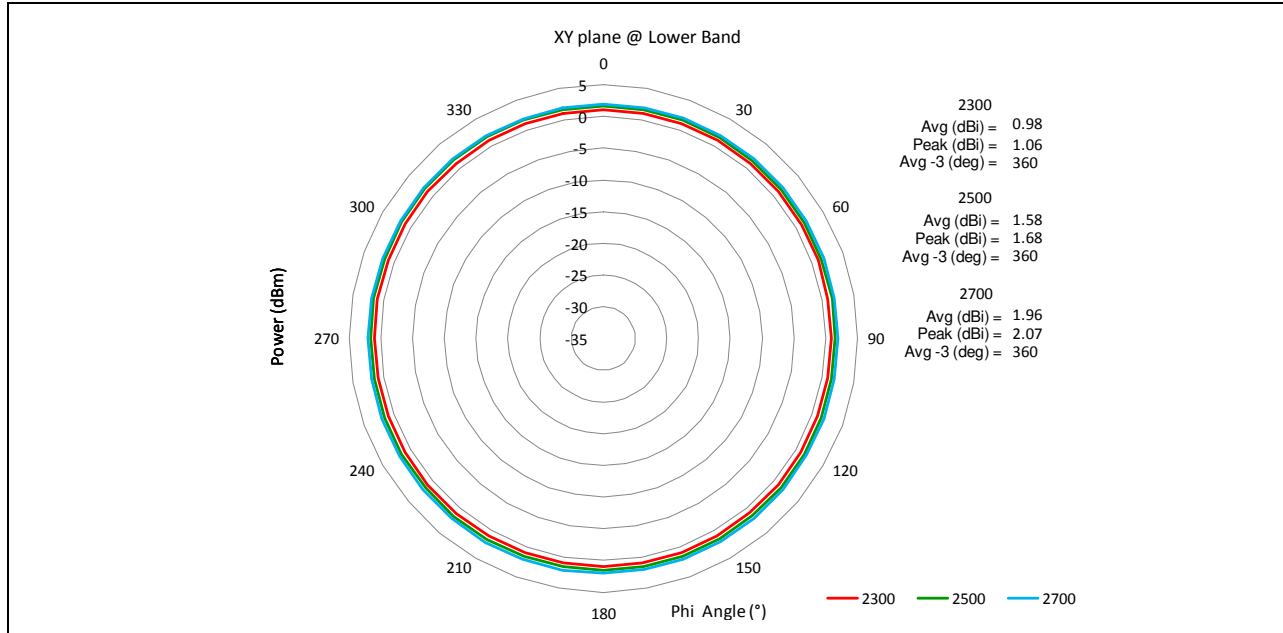
2300-2700 MHz

RO25002NF

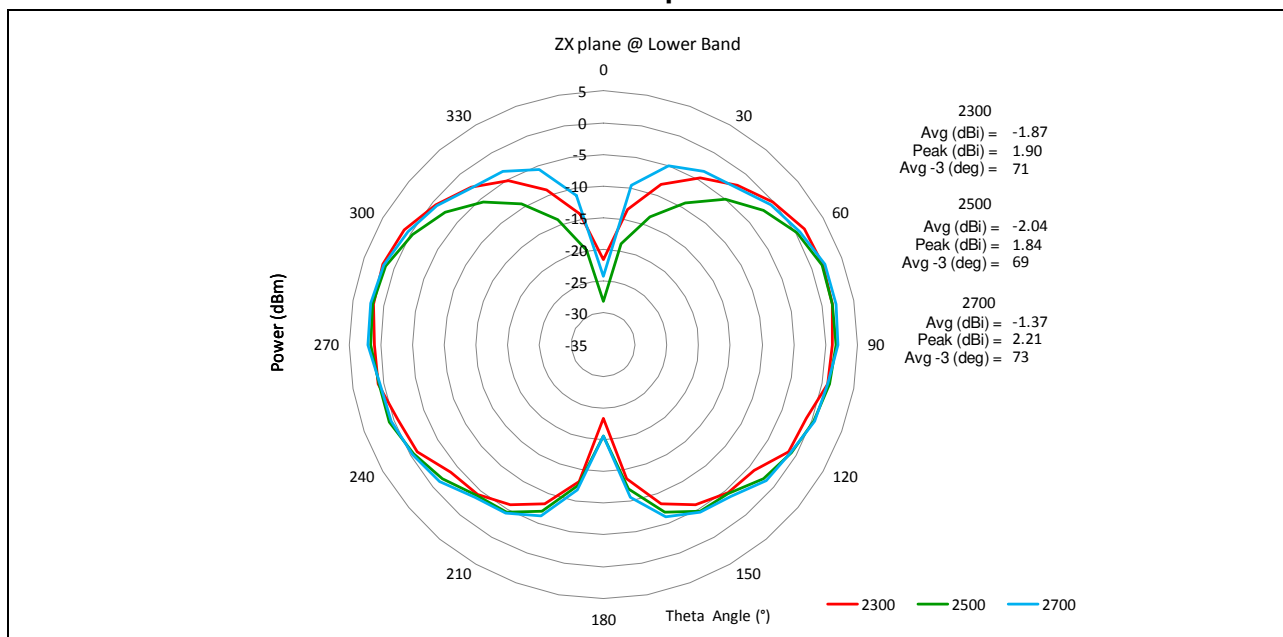
Series : **ANTENNA**

Charts

Horizontal plane



Vertical plane



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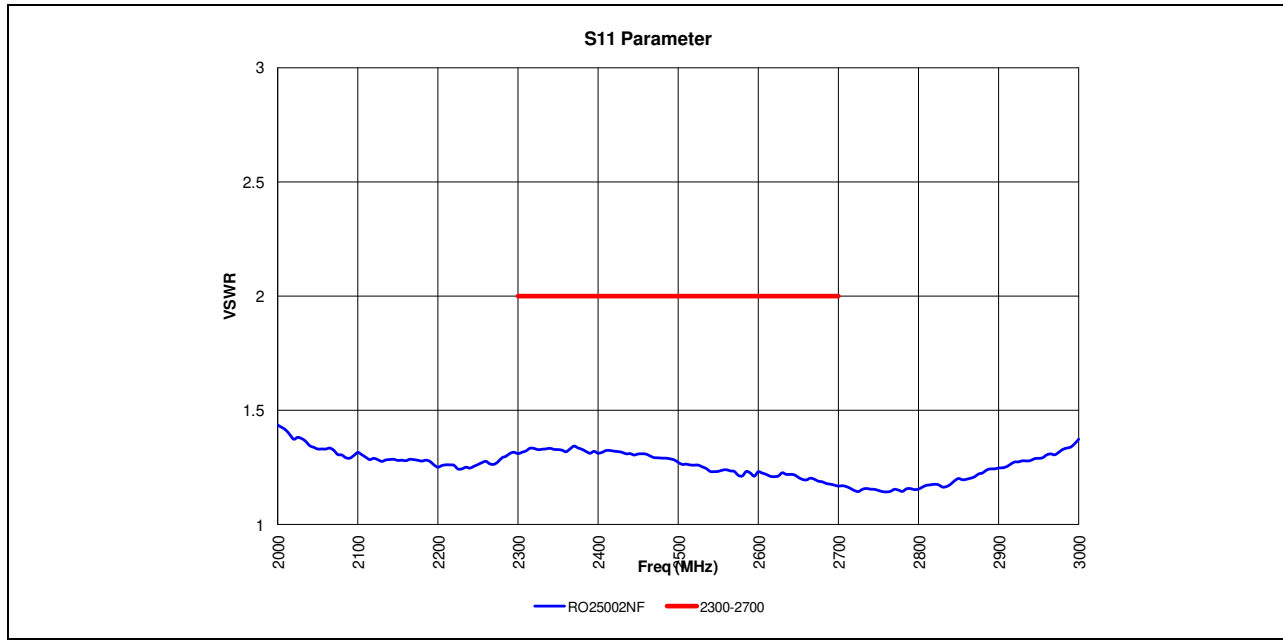
RADOME OMNI- OMNIDIRECTIONAL

2300-2700 MHz

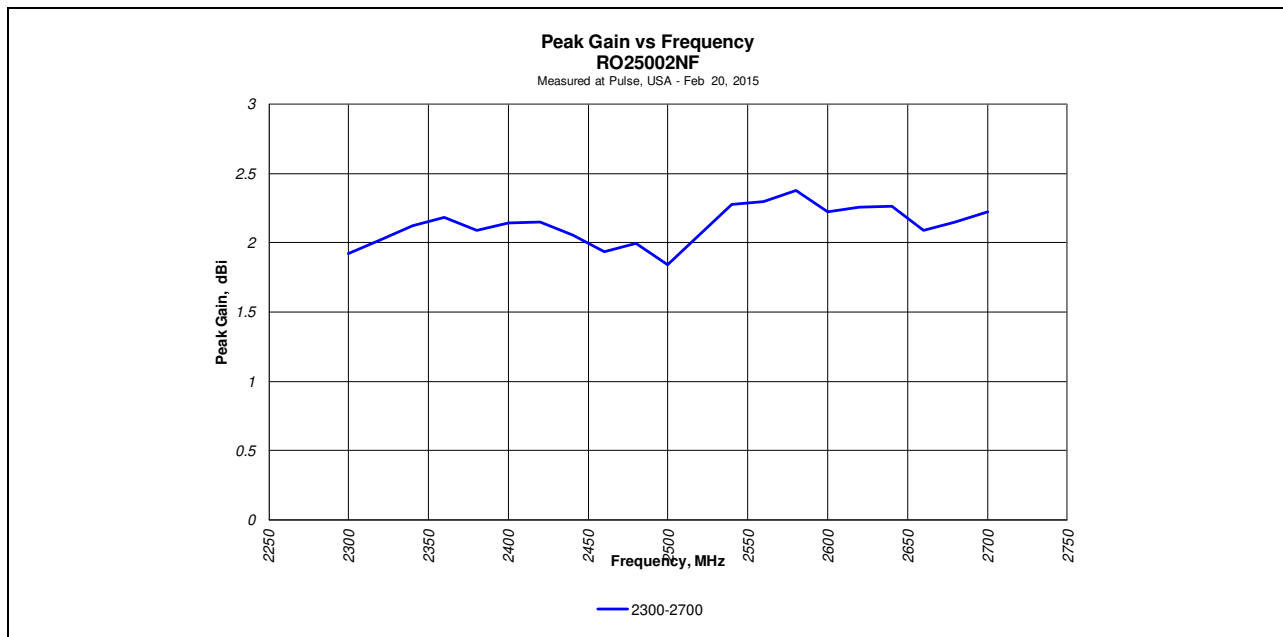
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Series : **ANTENNA**

VSWR



Gain



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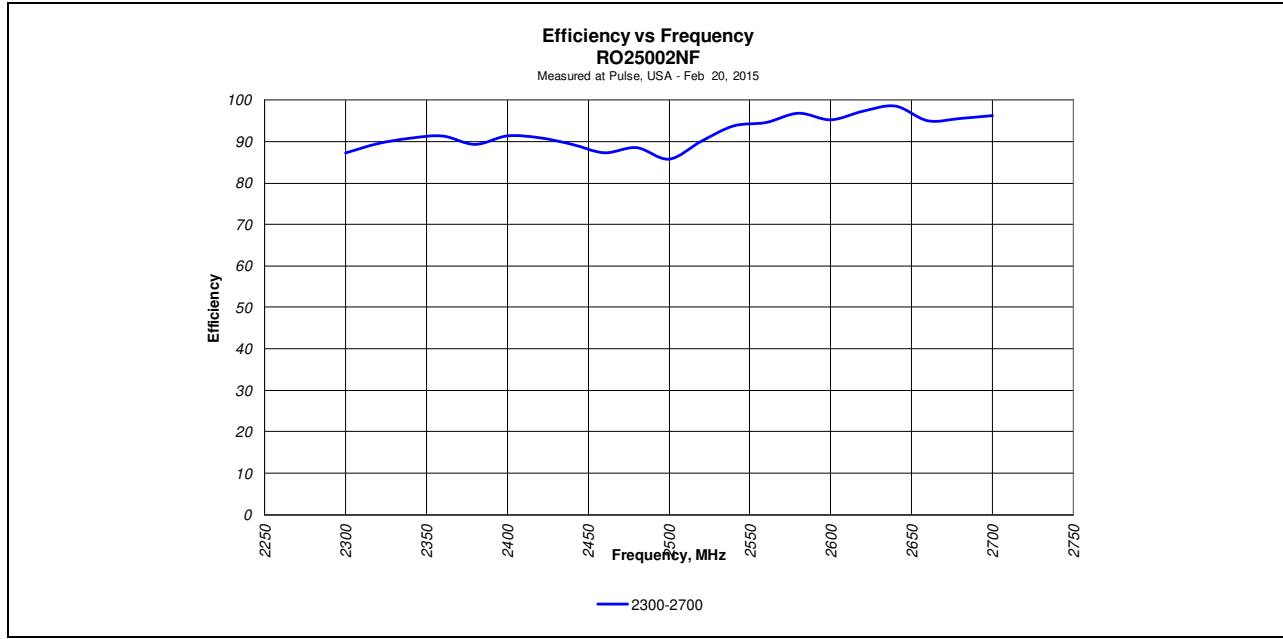
RADOME OMNI- OMNIDIRECTIONAL

2300-2700 MHz

RO25002NF

Series : **ANTENNA**

Efficiency



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