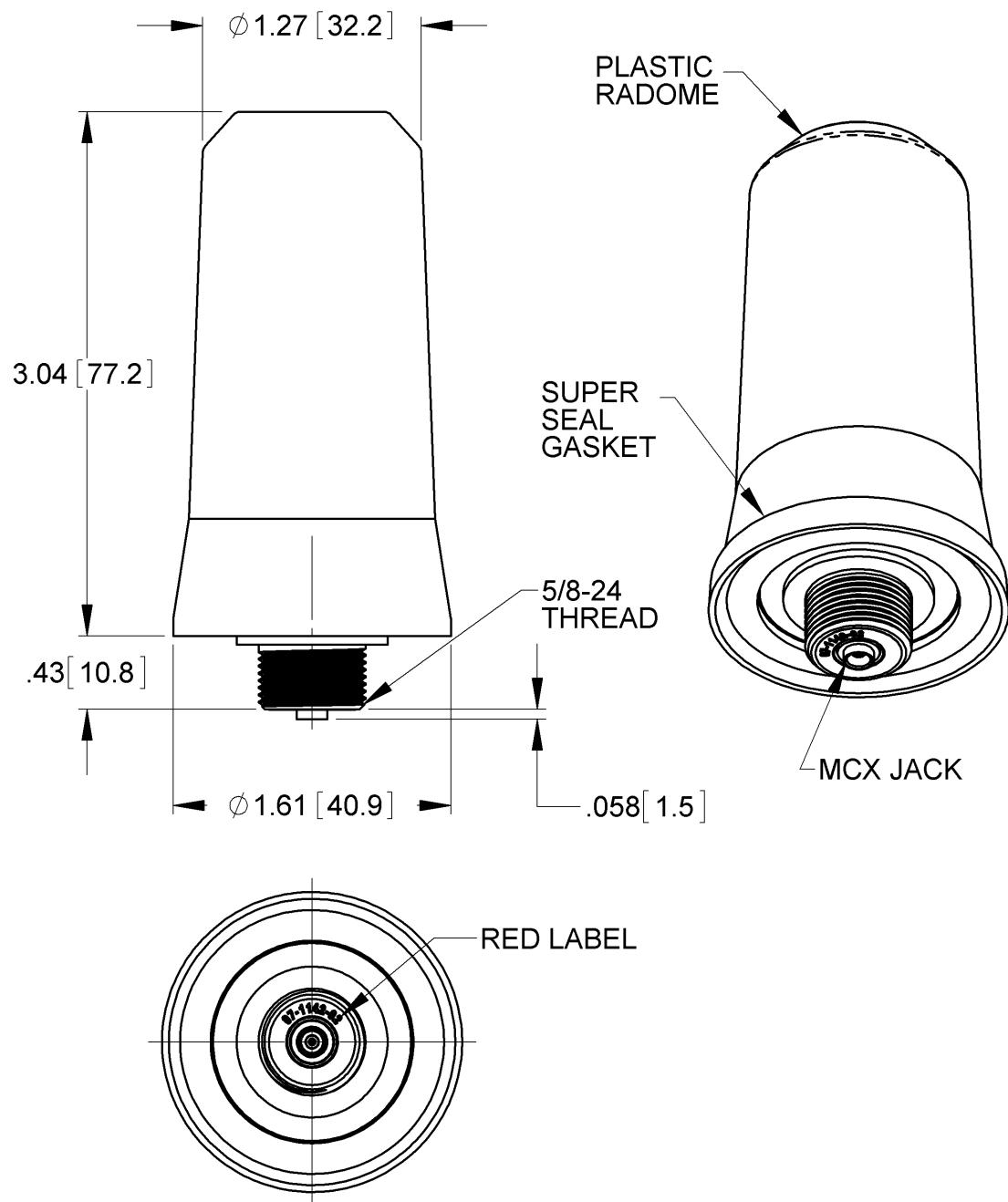


Direct Mount LPT Style Antenna

1390-1435/3300-3800 MHz

W1982

Series : ANTENNA



All dimensions are in inches (mm)

Issue: 1148

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

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Direct Mount LPT Style Antenna

1390-1435/3300-3800 MHz

W1982

Series : ANTENNA

ELECTRICAL SPECIFICATIONS

Antenna type	Monopole (All electrical performance measured with antenna centered on 12" x 12" Ground plane)
Frequency	1390-1435/3300-3800 MHz
Nominal Impedance	50 Ω
VSWR	2:1 Max
Peak Gain 1390-1435 MHz:	3.6 dBi
Peak Gain 3300-3800 MHz:	5.6 dBi
Avg Gain @15° EL 1390-1435 MHz:	1.0 dBi ±1.0dB
Avg Gain @15° EL 3300-3800 MHz:	4.0 dBi ±1.0dB
Efficiency 1390-1435/3300-3800 MHz:	60 % Min
Polarization:	Vertical
-3 dB beamwidth	
Horizontal Plane :	OMNI
Vertical Plane 1390-1435 MHz:	53 ° Avg
Vertical Plane 3300-3800 MHz:	31 ° Avg
Power withstanding	10 W
Connector type	MCX jack

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Direct Mount LPT Style Antenna

1390-1435/3300-3800 MHz

W1982

Series : ANTENNA

MECHANICAL SPECIFICATIONS

Plastic radome	PC/Polyester blend, Makroblend EL 703	.110 thick min
	Bayer Material Science	
Flammability	UL94 V-0	
Color	Cisco Gray	
Ingress Protection	IP67	
Weight	91 g	
Wind-loading	165 Mph	
Overall length	3.04 INCHES	
Installation torque	6-9 Ft/lbs	
Installation tool	Recommended strap wrench, similar to McMaster Carr P/N: 5448A31	

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40 to +85 °C
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Direct Mount LPT Style Antenna

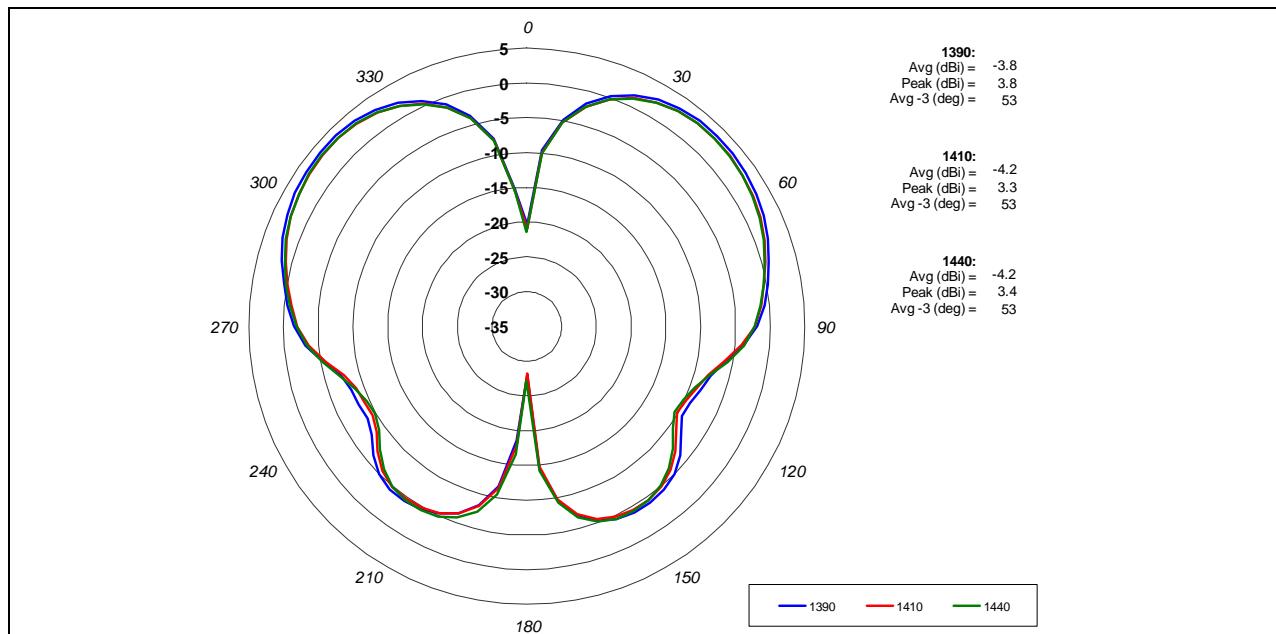
1390-1435/3300-3800 MHz

W1982

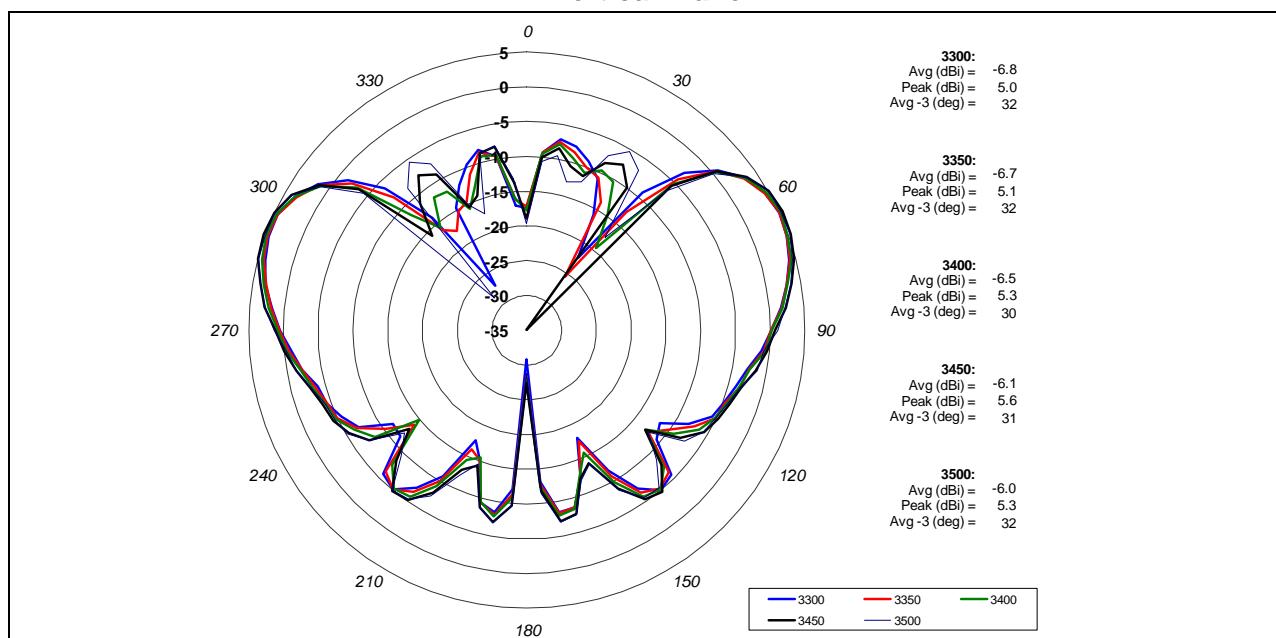
Series : ANTENNA

Charts - All radiation patterns, gain, VSWR measured with Antenna mounted on center of 12" x 12" Ground plane

Vertical Plane



Vertical Plane


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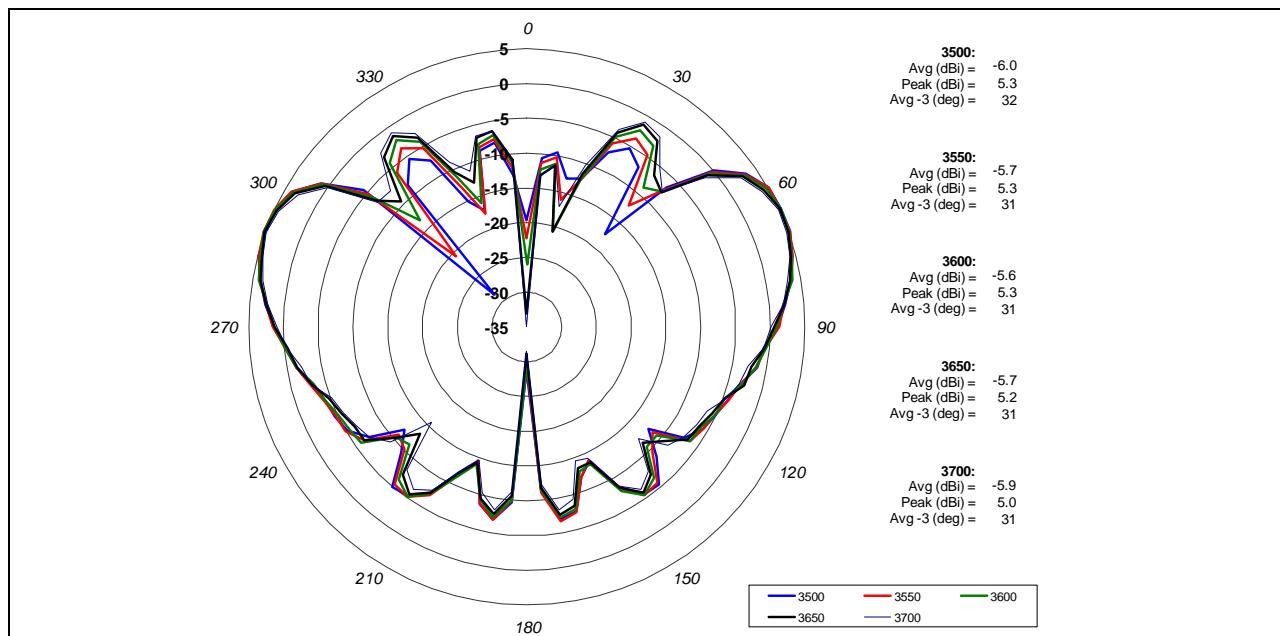
Direct Mount LPT Style Antenna

1390-1435/3300-3800 MHz

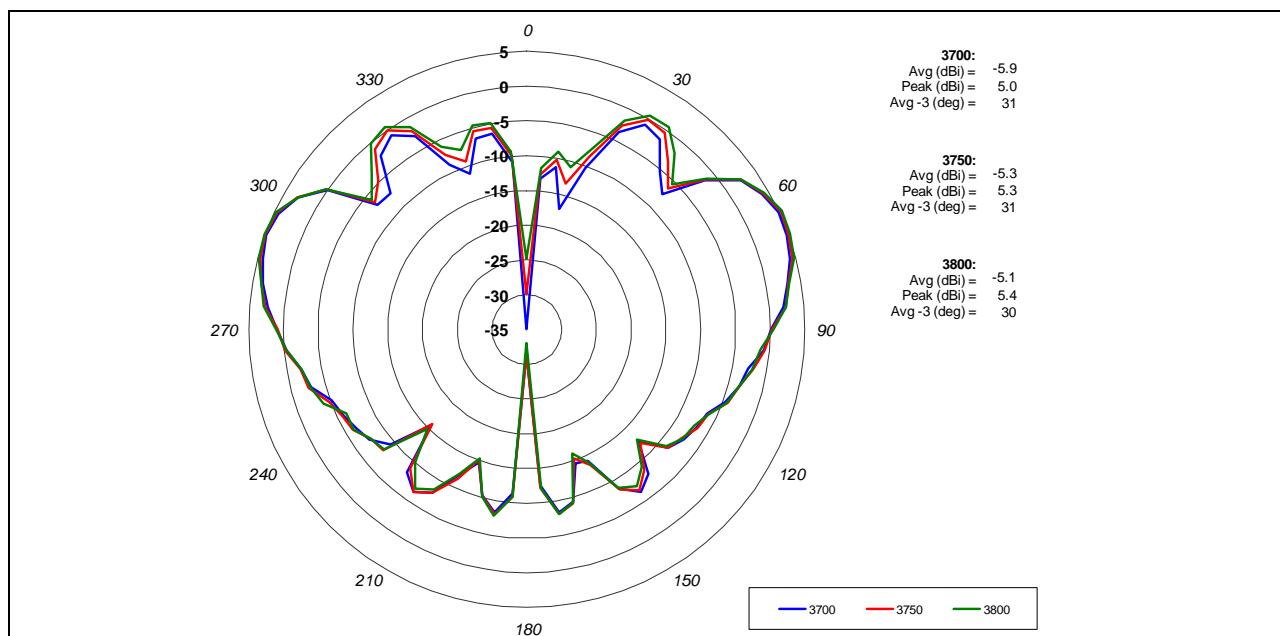
W1982

Series : ANTENNA

Vertical Plane



Vertical Plane


Issue: 1148

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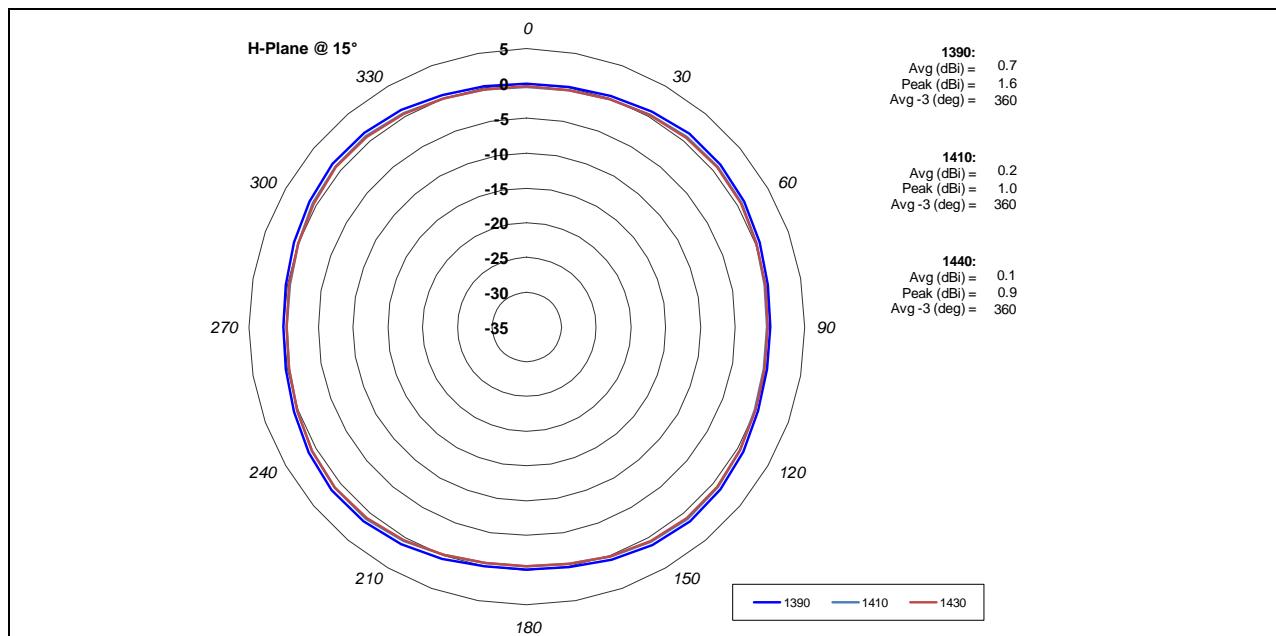
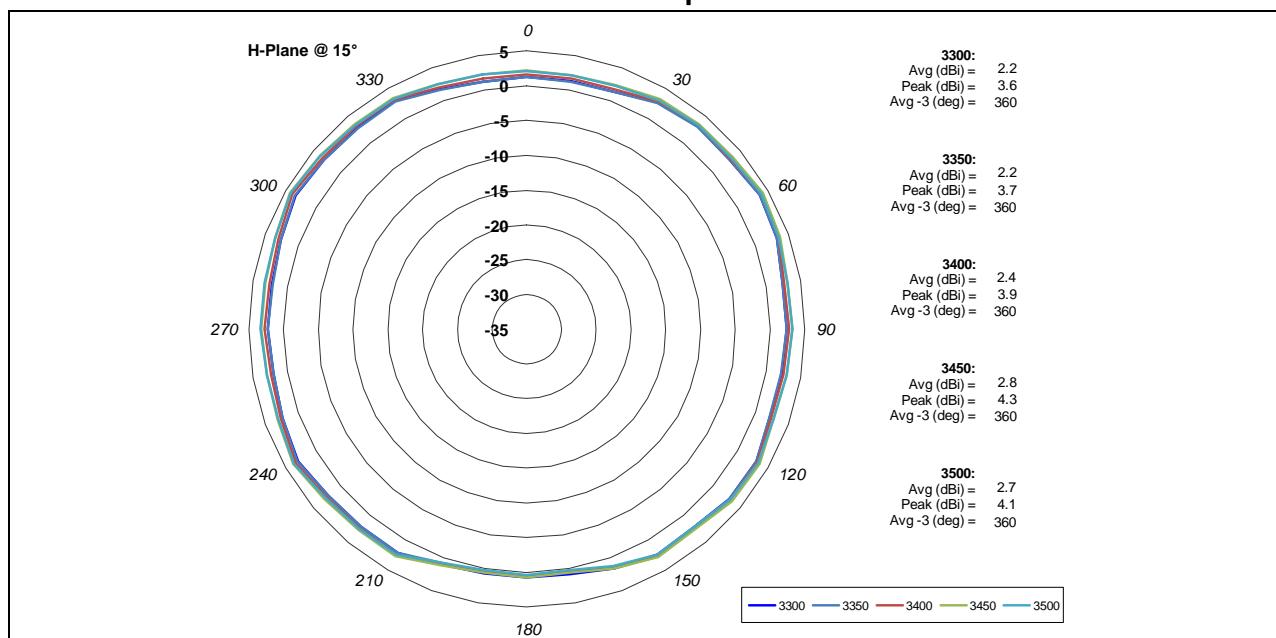


Direct Mount LPT Style Antenna

1390-1435/3300-3800 MHz

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Series : ANTENNA

Horizontal Plane

Horizontal plane

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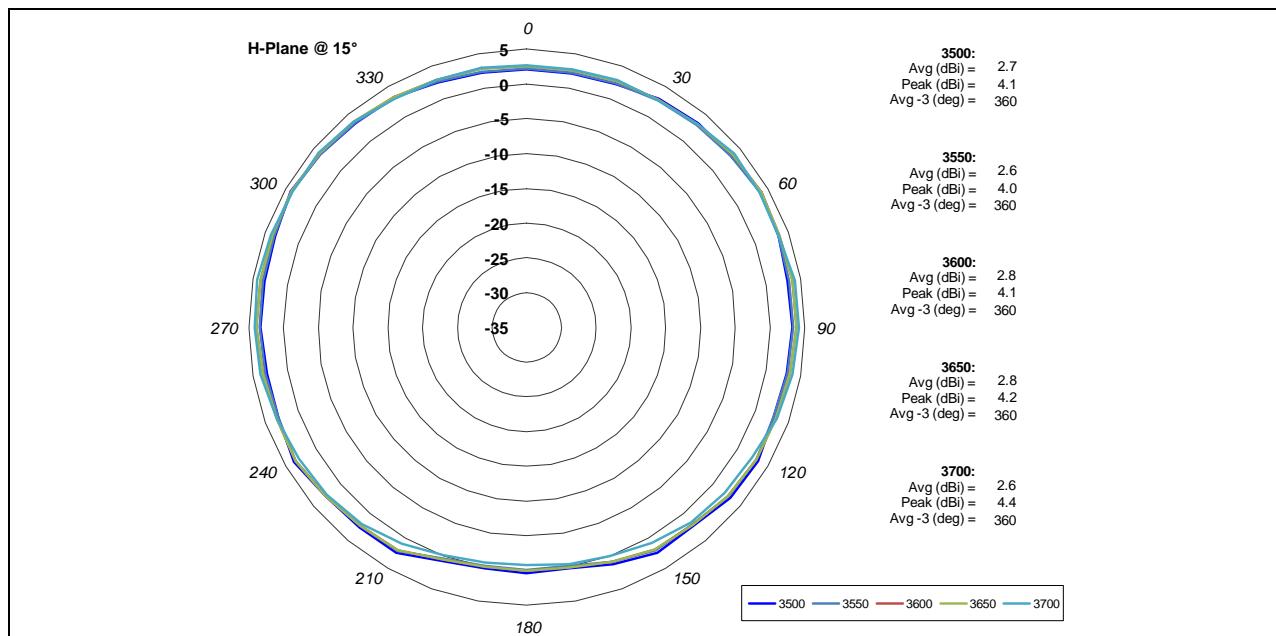
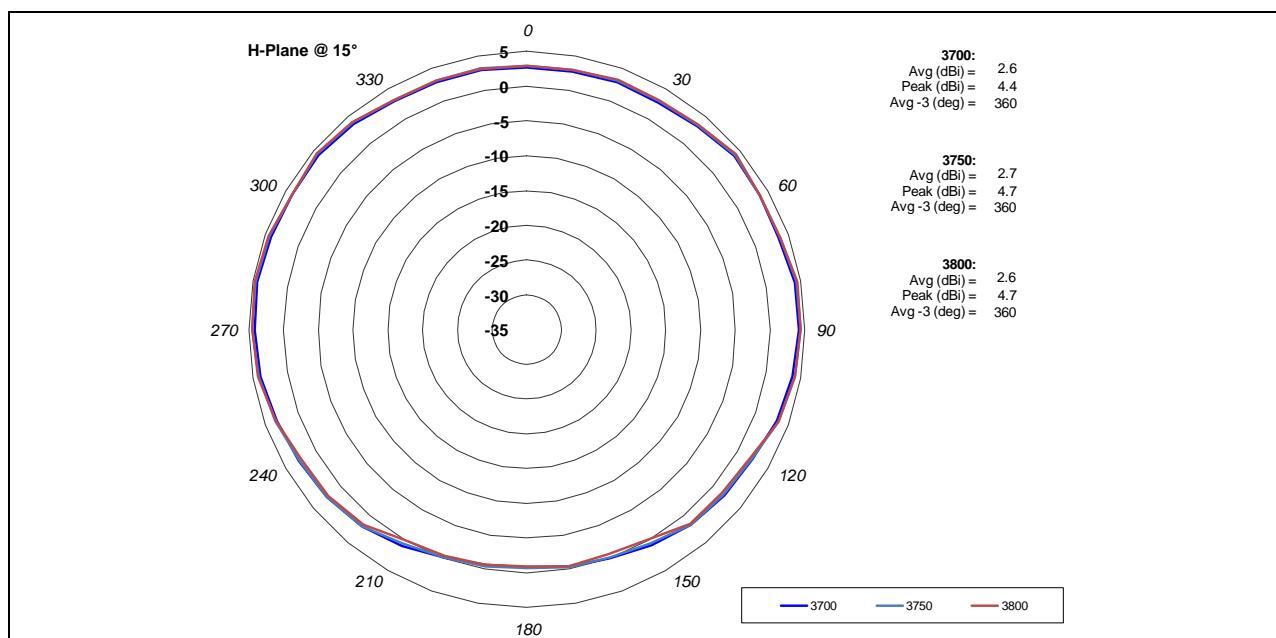


Direct Mount LPT Style Antenna

1390-1435/3300-3800 MHz

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Series : ANTENNA

Horizontal Plane

Horizontal Plane

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Direct Mount LPT Style Antenna

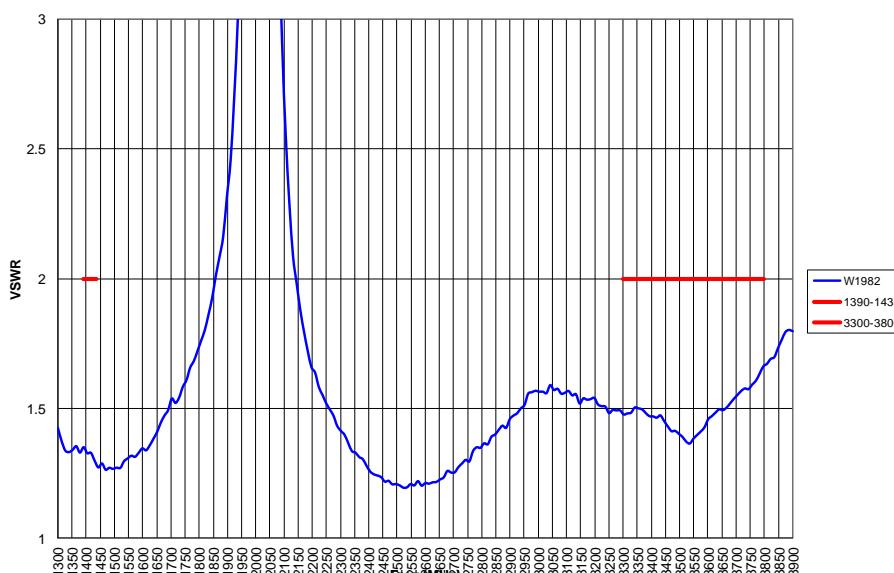
1390-1435/3300-3800 MHz

W1982

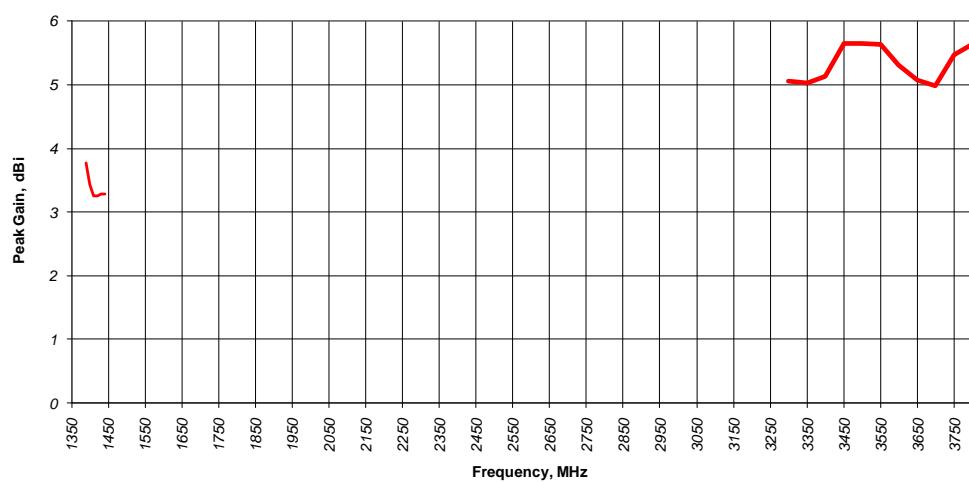
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VSWR

S11 Parameter


Peak Gain

Peak Gain vs Frequency


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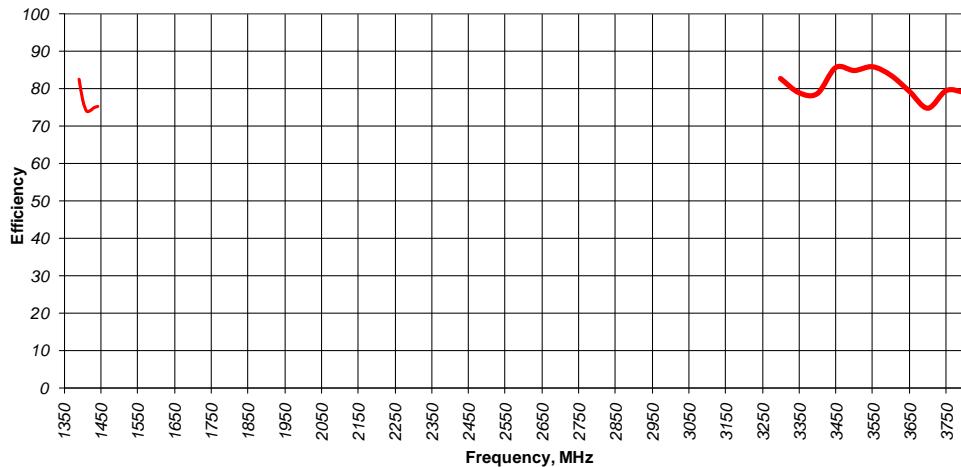
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Series : ANTENNA

Efficiency

Efficiency vs Frequency

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