RADIATION PATTERN ENVELOPE

Antenna Type Number: SHP3-23
3.00 Foot Antenna 21.200-23.600 GHz Single Polarized
Gain: 44.80 dBi at 22.400 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION

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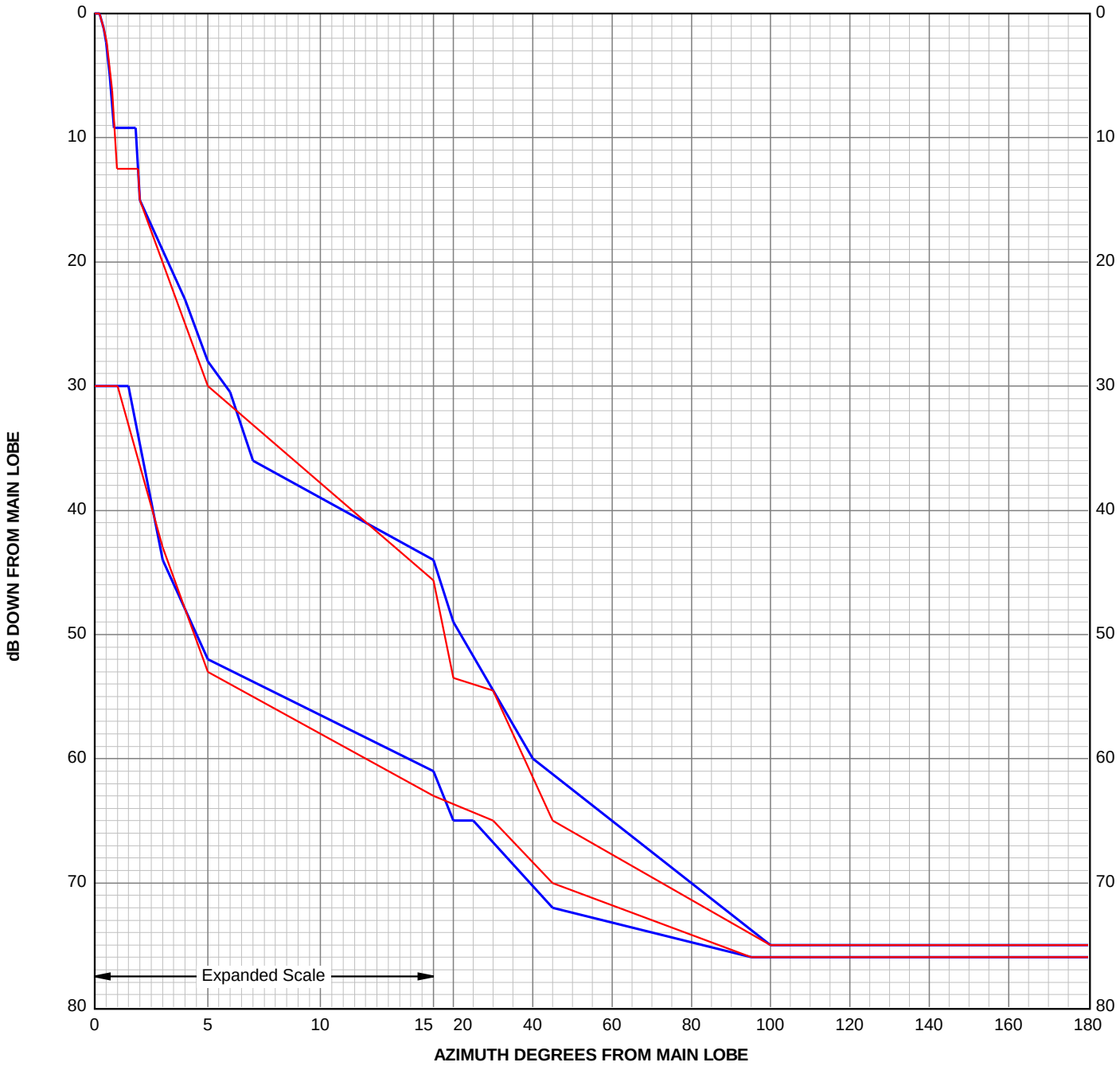
RPE 7301B

Engineering Approved:
10 June 2020



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H/H		H/V		V/V		V/H	
Angle	**dB**	**Angle**	**dB**	**Angle**	**dB**	**Angle**	**dB**
0.00	0.00	0.00	-30.00	0.00	0.00	0.00	-30.00
0.20	0.00	1.50	-30.00	0.20	0.00	1.00	-30.00
0.40	-1.20	3.00	-44.00	0.40	-1.20	3.00	-43.00
0.50	-2.35	5.00	-52.00	0.52	-2.35	5.00	-53.00
0.67	-5.00	15.00	-61.00	0.77	-6.20	15.00	-63.00
0.84	-9.20	20.00	-65.00	0.99	-12.50	30.00	-65.00
1.80	-9.20	25.00	-65.00	1.91	-12.50	45.00	-70.00
2.00	-15.00	45.00	-72.00	2.00	-15.00	95.00	-76.00
4.00	-23.00	95.00	-76.00	5.00	-30.00	180.00	-76.00
5.00	-28.00	180.00	-76.00	20.00	-53.50		
6.00	-30.50			30.00	-54.50		
7.00	-36.00			45.00	-65.00		
20.00	-49.00			100.00	-75.00		
40.00	-60.00			180.00	-75.00		
100.00	-75.00						
180.00	-75.00						

The RPE is defined by connecting these points with straight lines.
PARALLEL POLARIZATION
HH - Horizontal port response to a horizontal signal
VV - Vertical port response to a vertical signal
CROSS POLARIZATION
HV - Horizontal port response to a vertical signal
VH - Vertical port response to a horizontal signal

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