

# RADIATION PATTERN ENVELOPE

Antenna Type Number: SHP1-26  
1.00 Foot Antenna 24.250-26.500 GHz Single Polarized  
Gain: 36.80 dBi at 25.375 GHz

- Envelope for a Horizontally Polarized Antenna (HH, HV)
- Envelope for a Vertically Polarized Antenna (VV, VH)

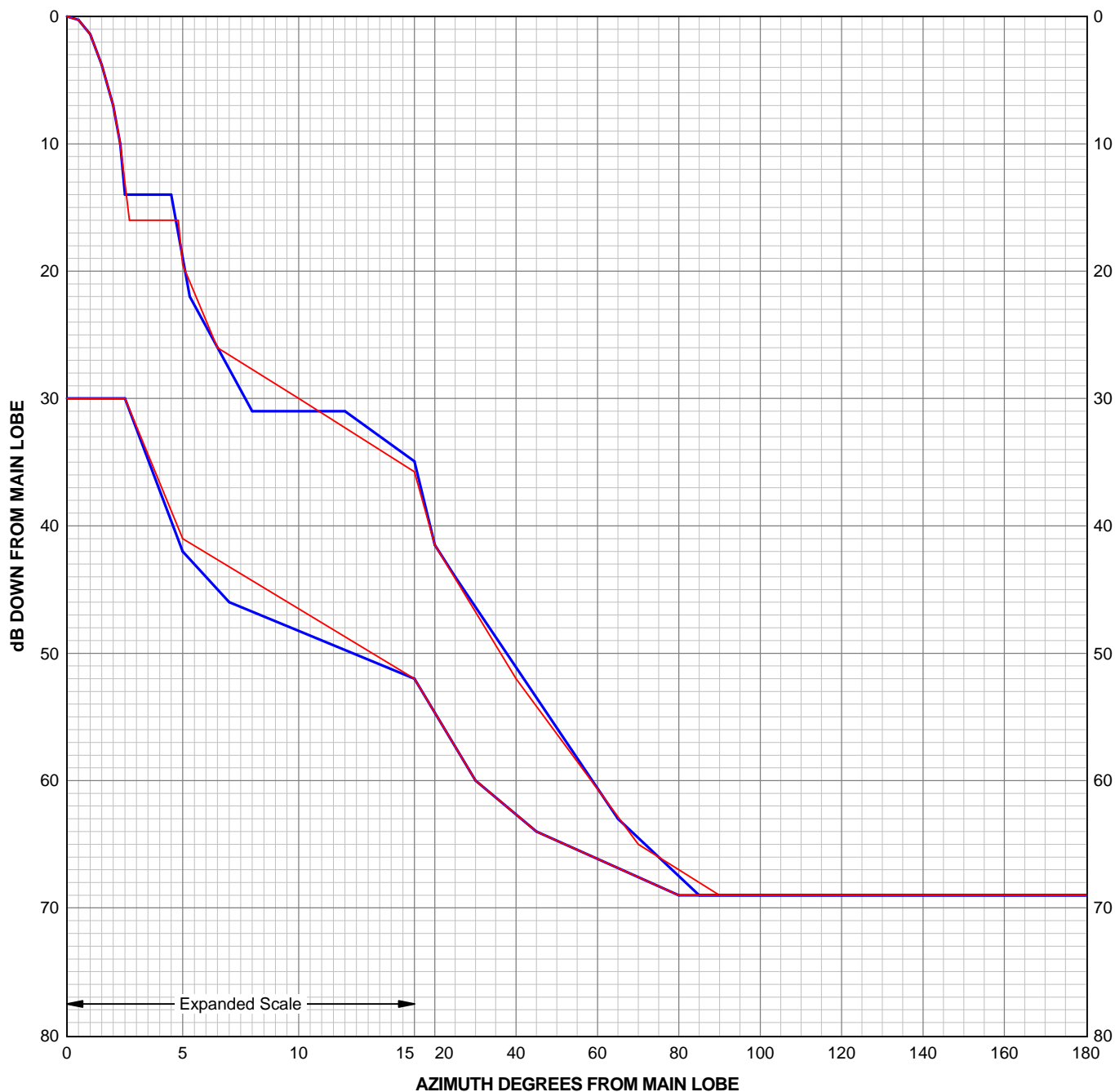
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7277B

Engineering Approved:  
14 August 2013

ANDREW CORPORATION



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 RPE: 7277B  
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Angle	H/H dB	Angle	H/V dB	Angle	V/V dB	Angle	V/H dB
0.00	0.00	0.00	-30.00	0.00	0.00	0.00	-30.00
0.50	-0.27	2.50	-30.00	0.50	-0.27	2.50	-30.00
1.00	-1.40	5.00	-42.00	1.00	-1.40	5.00	-41.00
1.50	-3.80	7.00	-46.00	1.50	-3.80	15.00	-52.00
2.00	-7.00	15.00	-52.00	2.00	-7.00	30.00	-60.00
2.30	-10.00	30.00	-60.00	2.30	-10.00	45.00	-64.00
2.50	-14.00	45.00	-64.00	2.70	-16.00	80.00	-69.00
4.50	-14.00	80.00	-69.00	4.80	-16.00	180.00	-69.00
5.30	-22.00	180.00	-69.00	5.00	-19.50		
8.00	-31.00			6.50	-26.00		
12.00	-31.00			10.00	-30.00		
20.00	-41.50			20.00	-41.50		
25.00	-44.00			40.00	-52.00		
65.00	-63.00			70.00	-65.00		
85.00	-69.00			90.00	-69.00		
180.00	-69.00			180.00	-69.00		

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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