

### RADIATION PATTERN ENVELOPE

Antenna Type Number: USX6-4  
6.00 Foot Antenna 4.400-5.000 GHz Dual Polarized  
Gain: 36.30 dBi at 4.700 GHz

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

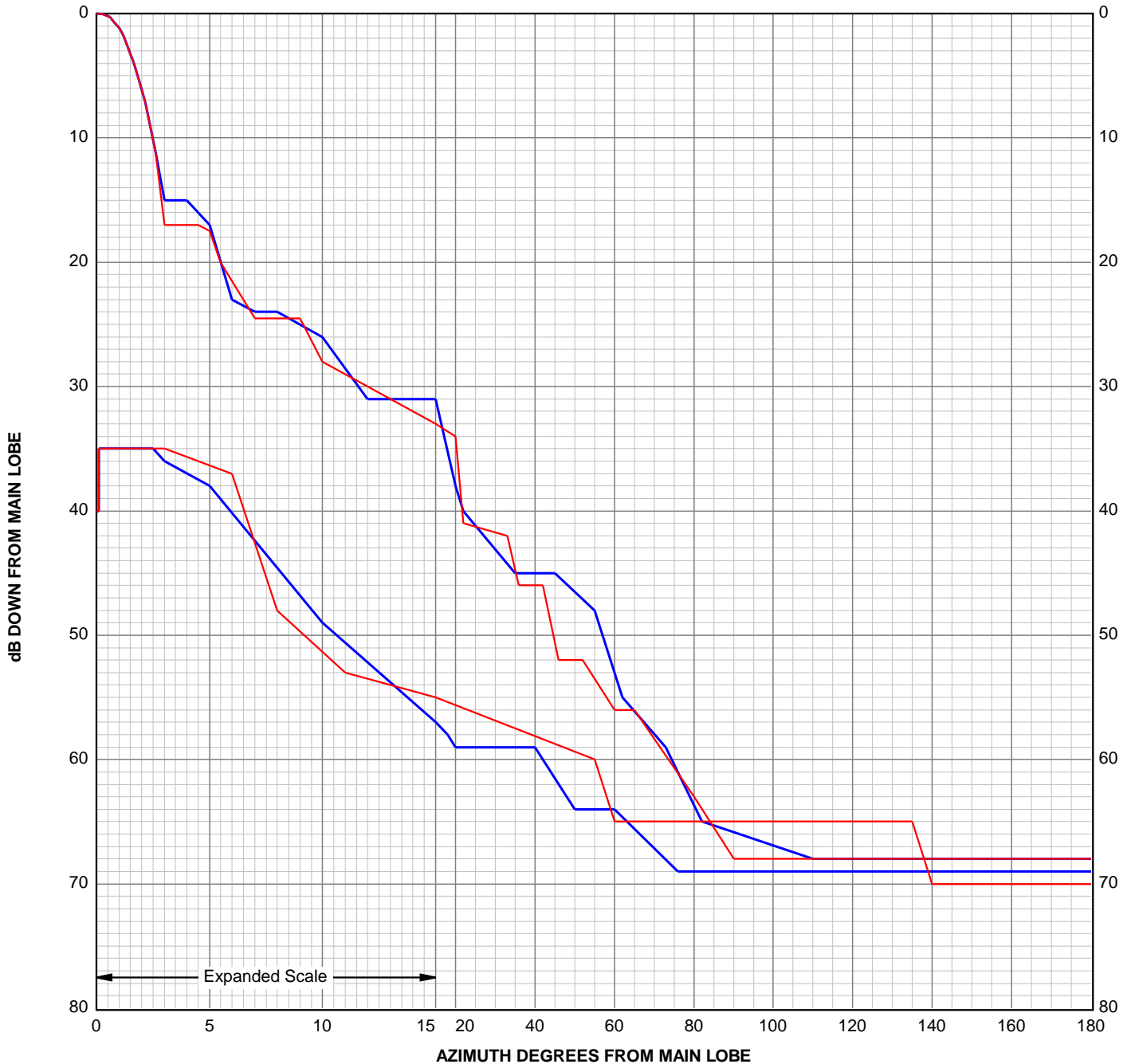
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7384

Engineering Approved:  
3 June 2019



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 RPE: 7384  
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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	-40.00	0.00	0.00	0.00	-40.00
0.30	-0.07	0.10	-40.00	0.30	-0.07	0.10	-40.00
0.60	-0.28	0.11	-35.00	0.60	-0.28	0.11	-35.00
0.75	-0.64	2.50	-35.00	0.75	-0.64	3.00	-35.00
1.00	-1.14	3.00	-36.00	1.00	-1.14	6.00	-37.00
1.20	-1.78	5.00	-38.00	1.20	-1.78	8.00	-48.00
1.65	-3.99	10.00	-49.00	1.65	-3.99	11.00	-53.00
1.90	-5.44	15.00	-57.00	1.90	-5.44	15.00	-55.00
2.15	-7.10	18.00	-58.00	2.15	-7.10	55.00	-60.00
2.60	-11.09	20.00	-59.00	2.60	-11.09	60.00	-65.00
3.00	-15.00	40.00	-59.00	3.00	-17.00	135.00	-65.00
4.00	-15.00	50.00	-64.00	4.50	-17.00	140.00	-70.00
5.00	-17.00	60.00	-64.00	5.00	-17.50	180.00	-70.00
6.00	-23.00	76.00	-69.00	5.50	-20.00		
7.00	-24.00	180.00	-69.00	7.00	-24.50		
8.00	-24.00			9.00	-24.50		
10.00	-26.00			10.00	-28.00		
12.00	-31.00			12.00	-30.00		
15.00	-31.00			15.00	-33.00		
20.00	-38.00			20.00	-34.00		
22.00	-40.00			22.00	-41.00		
35.00	-45.00			33.00	-42.00		
45.00	-45.00			36.00	-46.00		
55.00	-48.00			42.00	-46.00		
62.00	-55.00			46.00	-52.00		
73.00	-59.00			52.00	-52.00		
82.00	-65.00			60.00	-56.00		
110.00	-68.00			65.00	-56.00		
180.00	-68.00			80.00	-63.00		
				90.00	-68.00		
				180.00	-68.00		

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