RADIATION PATTERN ENVELOPE

Antenna Type Number: USX12-6W
12.00 Foot Antenna 5.925-7.125 GHz Dual Polarized
Gain: 45.00 dBi at 6.525 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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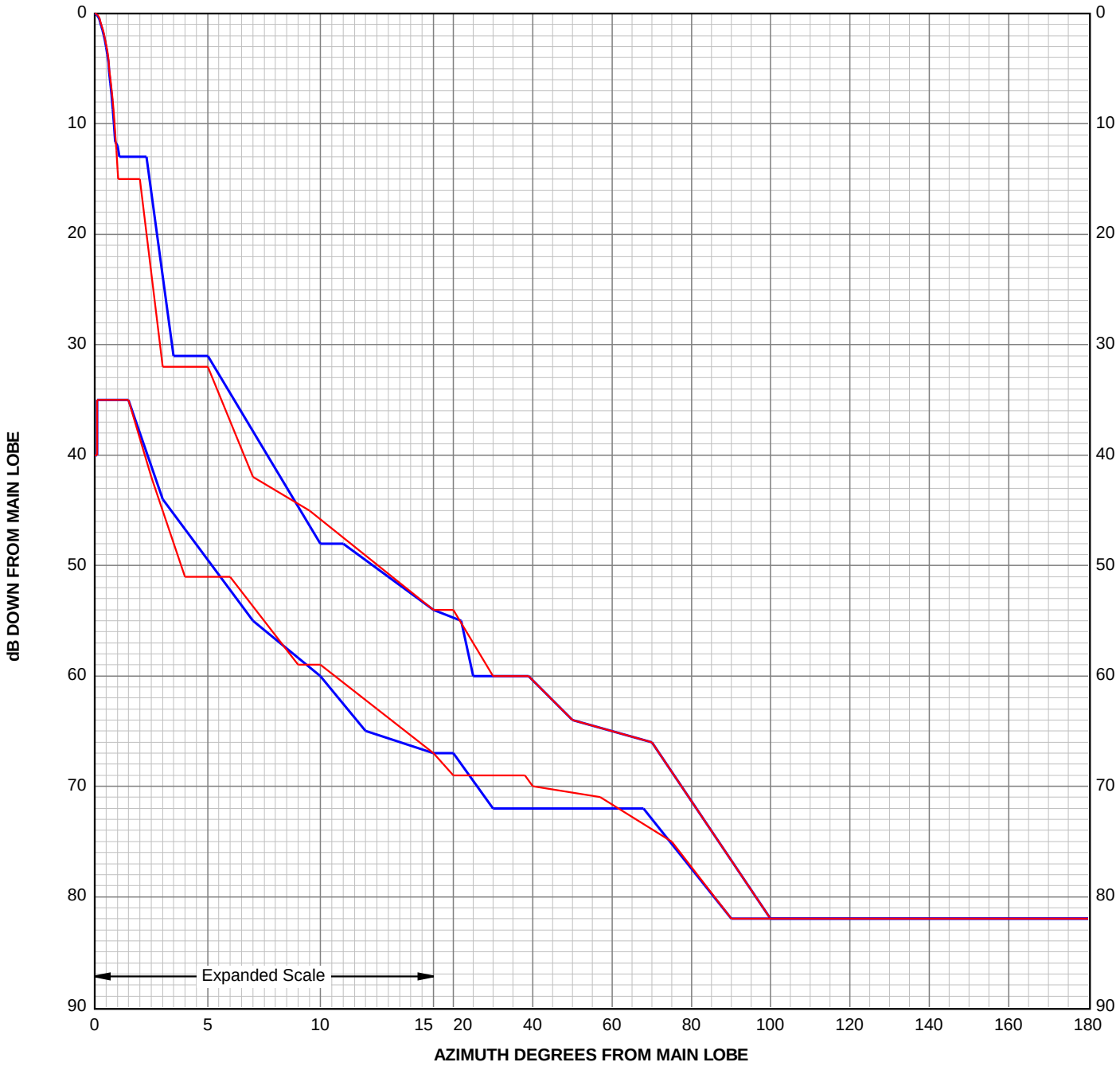
RPE 7433

Engineering Approved:
2 April 2019



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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	-40.00	0.00	0.00	0.00	-40.00
0.05	-0.05	0.10	-40.00	0.05	-0.02	0.10	-40.00
0.10	-0.16	0.11	-35.00	0.10	-0.10	0.11	-35.00
0.15	-0.31	1.50	-35.00	0.15	-0.22	1.50	-35.00
0.20	-0.52	3.00	-44.00	0.20	-0.42	2.50	-42.00
0.25	-0.80	7.00	-55.00	0.25	-0.66	4.00	-51.00
0.30	-1.13	10.00	-60.00	0.30	-1.01	6.00	-51.00
0.35	-1.51	12.00	-65.00	0.35	-1.34	9.00	-59.00
0.40	-1.96	15.00	-67.00	0.40	-1.75	10.00	-59.00
0.45	-2.45	20.00	-67.00	0.45	-2.31	15.00	-67.00
0.50	-3.05	30.00	-72.00	0.50	-2.82	20.00	-69.00
0.55	-3.71	68.00	-72.00	0.55	-3.40	38.00	-69.00
0.60	-4.46	90.00	-82.00	0.60	-4.21	40.00	-70.00
0.65	-5.33	180.00	-82.00	0.65	-5.00	57.00	-71.00
0.70	-6.30			0.70	-5.89	75.00	-75.00
0.75	-7.37			0.75	-6.87	90.00	-82.00
0.80	-8.67			0.80	-7.91	180.00	-82.00
0.85	-10.05			0.85	-9.23		
0.90	-11.63			0.90	-10.83		
1.00	-12.00			0.95	-12.39		
1.10	-13.00			1.00	-14.16		
2.30	-13.00			1.05	-15.00		
3.50	-31.00			2.00	-15.00		
5.00	-31.00			3.00	-32.00		
10.00	-48.00			5.00	-32.00		
11.00	-48.00			7.00	-42.00		
15.00	-54.00			9.50	-45.00		
22.00	-55.00			15.00	-54.00		
25.00	-60.00			20.00	-54.00		
39.00	-60.00			30.00	-60.00		
50.00	-64.00			39.00	-60.00		
70.00	-66.00			50.00	-64.00		
100.00	-82.00			70.00	-66.00		
180.00	-82.00			100.00	-82.00		
				180.00	-82.00		

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

ANDREW CORPORATION
10500 W. 153rd Street
Orland Park, IL. U.S.A 60462

Corporate Web Site: http://www.andrew.com
Customer Service Center: 1-800-255-1479