

RADIATION PATTERN ENVELOPE

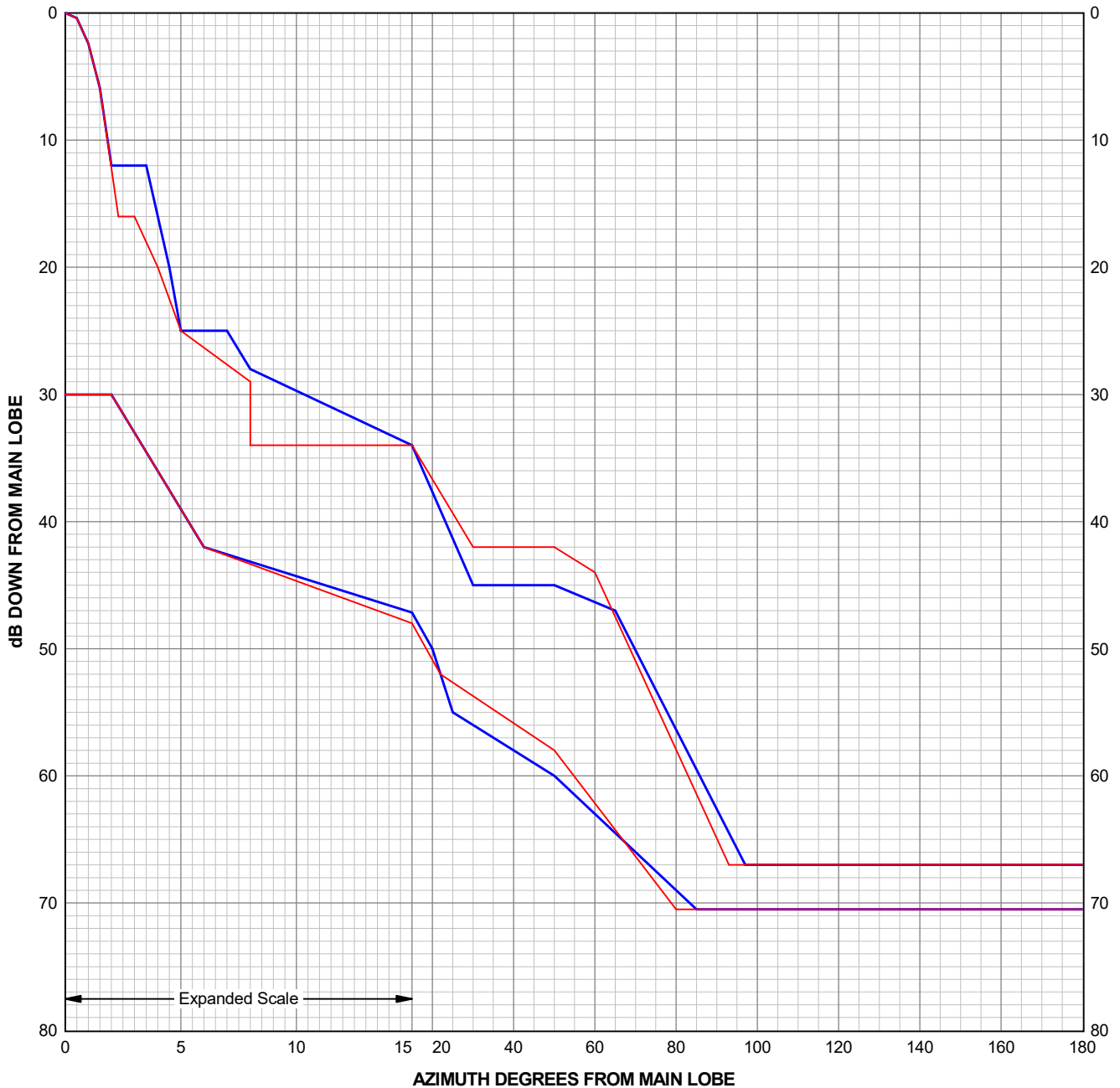
Antenna Type Number: VHLP2-(X)80(X)18
2.00 Foot Antenna 17.700-19.700 GHz Dual Polarized
Gain: 38.10 dBi at 18.700 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7443

Engineering Approved:
17 September 2021

ANDREW CORPORATION



Antenna Type Number: VHLP2-(X)80(X)18
 2.00 Foot Antenna 17.700-19.700 GHz Dual Polarized
 Gain: 38.10 dBi at 18.700 GHz
 RPE: 7443
 Engineering Approved: 17 September 2021



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	-0.40	2.00	-30.00	0.50	-0.40	2.00	-30.00
1.00	-2.40	6.00	-42.00	1.00	-2.40	6.00	-42.00
1.50	-5.90	20.00	-50.00	1.50	-5.90	15.00	-48.00
2.00	-12.00	25.00	-55.00	2.30	-16.00	22.00	-52.00
3.50	-12.00	50.00	-60.00	3.00	-16.00	50.00	-58.00
4.50	-20.00	85.00	-70.50	4.00	-20.00	80.00	-70.50
5.00	-25.00	180.00	-70.50	5.00	-25.00	180.00	-70.50
7.00	-25.00			8.00	-29.00		
8.00	-28.00			8.01	-34.00		
15.00	-34.00			15.00	-34.00		
30.00	-45.00			30.00	-42.00		
50.00	-45.00			50.00	-42.00		
65.00	-47.00			60.00	-44.00		
97.00	-67.00			93.00	-67.00		
180.00	-67.00			180.00	-67.00		

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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