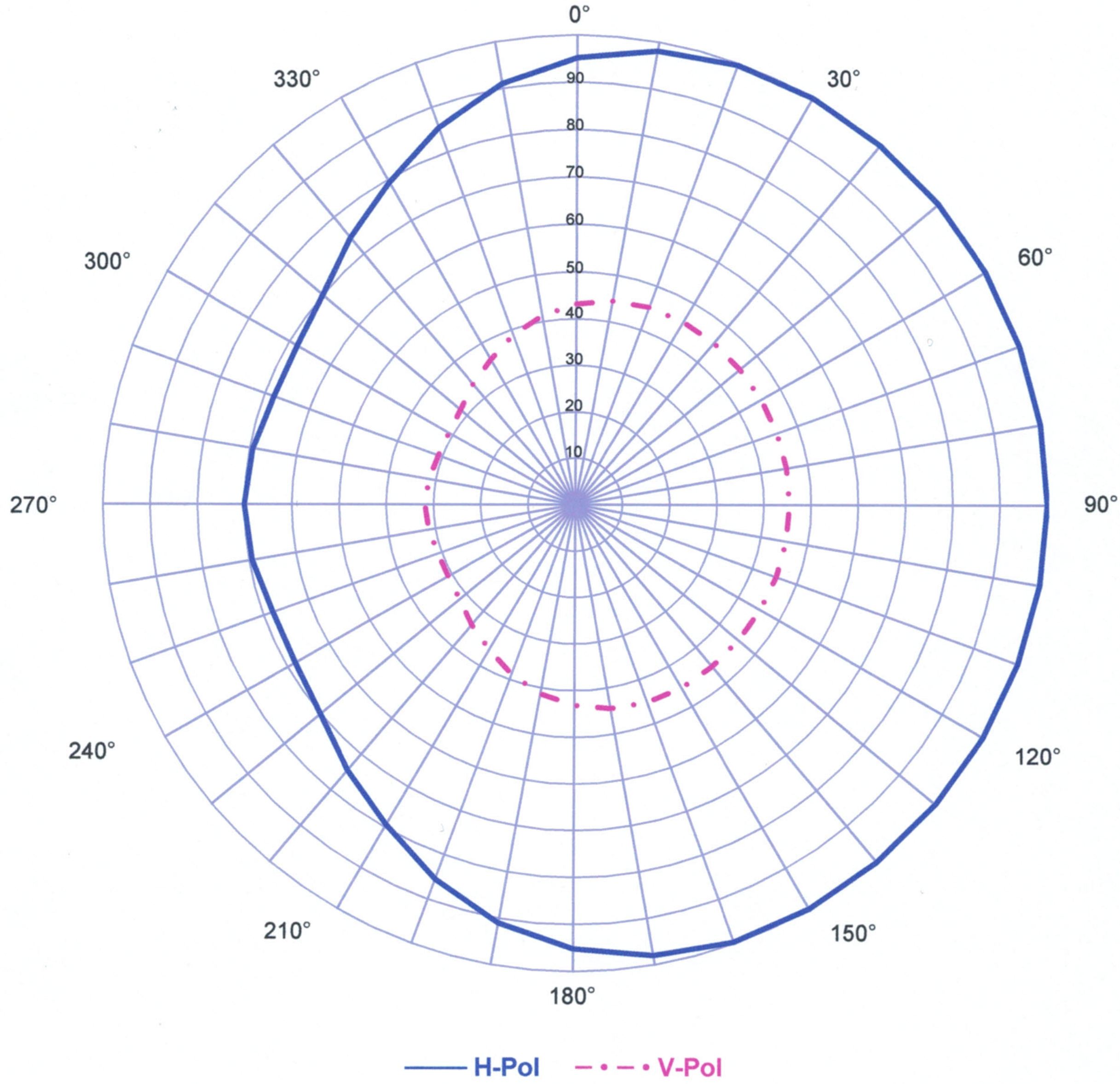
Propagation Systems, Inc.

Relative Field
Azimuth Plane Pattern



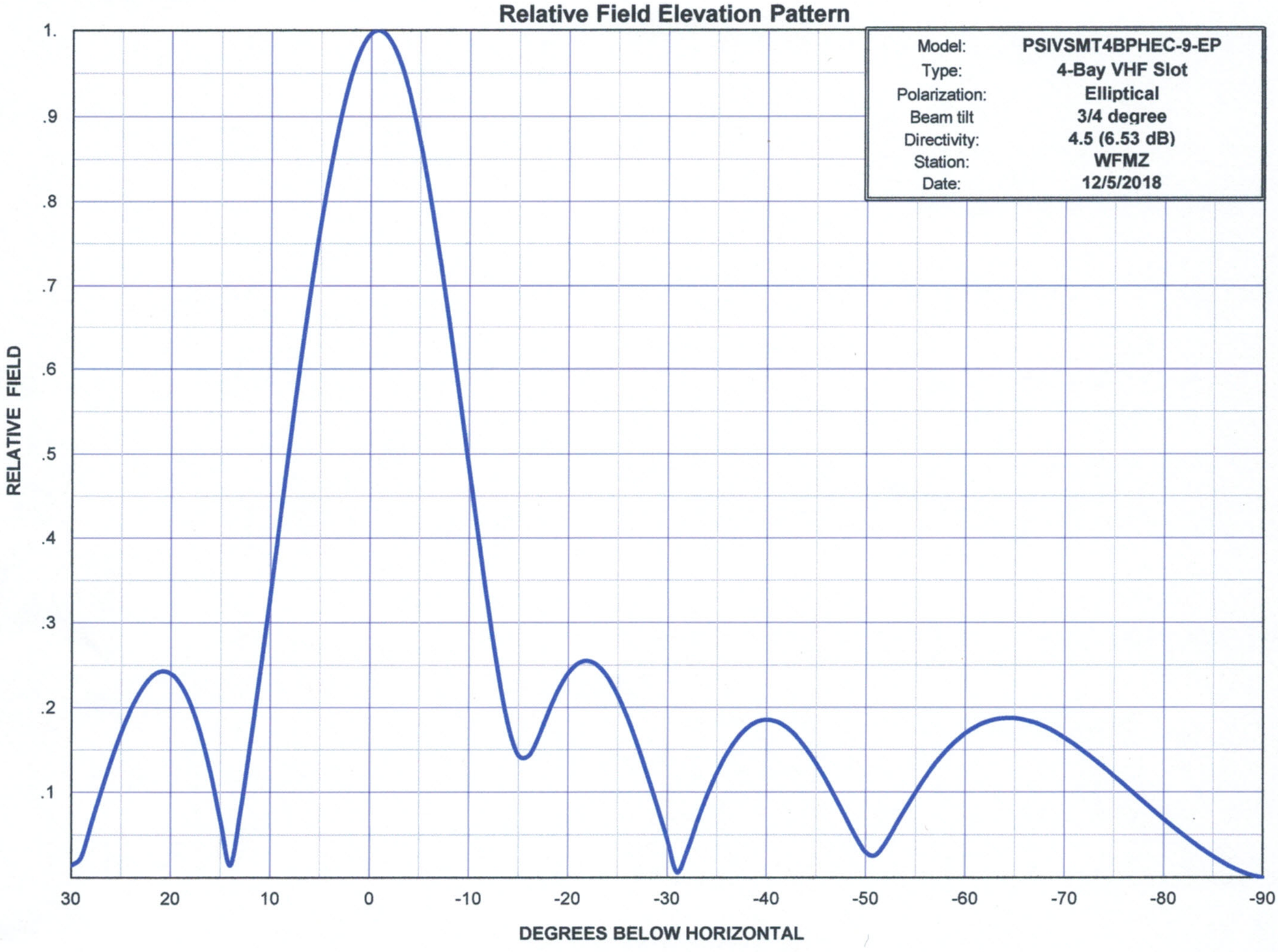
Pattern Type:	**Relative Field**	Antenna Type:	**VHF slot**
Antenna Model:	**PSIVSMT4BPHEC-9-EP**	Orientation:	**90 Degrees**
Polarization:	**Elliptical**	Number of Bays:	**4**
Gain (H-pol):	**4.71 (6.73 dB)**	Station:	**WFMZ**
Gain (V-pol):	**.97 (-.13 dB)**	Date:	**12/5/2018**

PROPAGATION SYSTEMS INC.
Relative Field Tabulation
Antenna Model: PSIVSMT4BPHEC-9-EP
Gain (H-pol): 4.71 (6.73 dBd)
Station: WFMZ

Angle	Relative Field	Power Gain	Gain dB
0	0.952	4.27	6.30
10	0.981	4.53	6.56
20	0.997	4.68	6.70
30	1.000	4.71	6.73
40	1.000	4.71	6.73
50	1.000	4.71	6.73
60	1.000	4.71	6.73
70	1.000	4.71	6.73
80	1.000	4.71	6.73
90	1.000	4.71	6.73
100	1.000	4.71	6.73
110	1.000	4.71	6.73
120	1.000	4.71	6.73
130	1.000	4.71	6.73
140	1.000	4.71	6.73
150	1.000	4.71	6.73
160	0.997	4.68	6.70
170	0.981	4.53	6.56
180	0.952	4.27	6.30
190	0.910	3.90	5.91
200	0.855	3.44	5.37
210	0.793	2.96	4.72
220	0.745	2.61	4.17
230	0.701	2.31	3.64
240	0.682	2.19	3.41
250	0.680	2.18	3.38
260	0.693	2.26	3.54
270	0.700	2.31	3.63
280	0.693	2.26	3.54
290	0.680	2.18	3.38
300	0.682	2.19	3.41
310	0.701	2.31	3.64
320	0.745	2.61	4.17
330	0.793	2.96	4.72
340	0.855	3.44	5.37
350	0.910	3.90	5.91

Propagation Systems, Inc.

Relative Field Elevation Pattern



PROPAGATION SYSTEMS INC.
Relative Field Tabulation
Antenna Model: PSIVSMT4BPHEC-9-EP
Gain (V-pol): .97 (-.13 dBd)
Station: WFMZ

Angle	Relative Field	Power Gain	Gain dB
0	0.432	0.879	-0.56
10	0.445	0.933	-0.30
20	0.452	0.963	-0.16
30	0.454	0.970	-0.13
40	0.454	0.970	-0.13
50	0.454	0.970	-0.13
60	0.454	0.970	-0.13
70	0.454	0.970	-0.13
80	0.454	0.970	-0.13
90	0.454	0.970	-0.13
100	0.454	0.970	-0.13
110	0.454	0.970	-0.13
120	0.454	0.970	-0.13
130	0.454	0.970	-0.13
140	0.454	0.970	-0.13
150	0.454	0.970	-0.13
160	0.452	0.963	-0.16
170	0.445	0.933	-0.30
180	0.432	0.879	-0.56
190	0.413	0.803	-0.95
200	0.388	0.709	-1.49
210	0.360	0.611	-2.14
220	0.338	0.538	-2.69
230	0.318	0.477	-3.22
240	0.309	0.451	-3.46
250	0.309	0.449	-3.48
260	0.314	0.466	-3.32
270	0.318	0.475	-3.23
280	0.314	0.466	-3.32
290	0.309	0.449	-3.48
300	0.309	0.451	-3.46
310	0.318	0.477	-3.22
320	0.338	0.538	-2.69
330	0.360	0.611	-2.14
340	0.388	0.709	-1.49
350	0.413	0.803	-0.95