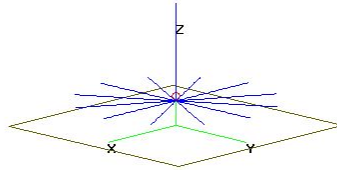


Radiation Pattern "Launched" by Antenna System

Filename	AJ1G Elev QtrW	Frequency	7.25 Mhz
		Wavelength	41.35 mtr
Voltage	72.6 + j 0 V	Current	1.38 + j 1.29 A
Impedance	28.2 - j 26.3	Series comp.	0.578 uH
Parallel form	52.7 // - j 56.4	Parallel comp.	1.239 uH
S.W.R.50	2.42	Input power	100 W
Efficiency	100 %	Structure loss	0 uW
AGT results	1.004 (0.02 dB)	Network loss	0 uW
RDF [dB]	2.15	Radiat-power	100 W
Environment	<input type="checkbox"/> Loads <input type="checkbox"/> Polar		
GROUND PLANE SPECIFIED. PERFECT GROUND			
Comment NEC4.2 Engine Used			
Seg's/patches	390	start	stop
Pattern lines	16471	Theta	-90 90 91 2
Freq/Eval steps	1	Phi	0 360 181 2

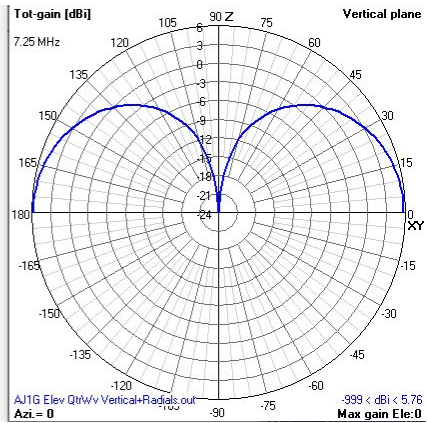
AJ1G Elev QtrW Vertical+Radials.out



Elev. : 13

Axis : 10 mtr

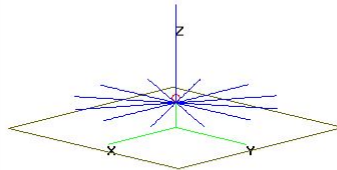
7.25 MHz



Radiation Pattern at ~ Infinite Distance After Propagation Over 2 mS/m, d.c. 5 (Flat) Earth

Filename	AJ1G Elev QtrW	Frequency	7.25 Mhz
		Wavelength	41.35 mtr
Voltage	77.5+j0V	Current	1.29+j1.62A
Impedance	23.2-j29.2	Series comp.	0.642 uH
Parallel form	60.7-j47.7	Parallel comp.	1.047 uH
S.W.R.50	3.02	Input power	100 W
Efficiency	100 %	Structure loss	0 uW
Radiat-eff.	22.65 %	Network loss	0 uW
RDF [dB]	5.48	Radiat-power	100 W
Environment	<input type="checkbox"/> Loads <input type="checkbox"/> Polar		
GROUND PLANE SPECIFIED. FINITE GROUND. SOMMERFELD SOLUTION GN2 RELATIVE DIELECTRIC CONST = 5.000 CONDUCTIVITY = 2.000E-03 MHOS/METER COMPLEX DIELECTRIC CONSTANT = 5.000000E+00-4.95875E+00			
Comment NEC4.2 Engine Used			
Seg's/patches	390	start	stop
Pattern lines	16471	Theta	-90 90 91 2
Freq/Eval steps	1	Phi	0 360 181 2

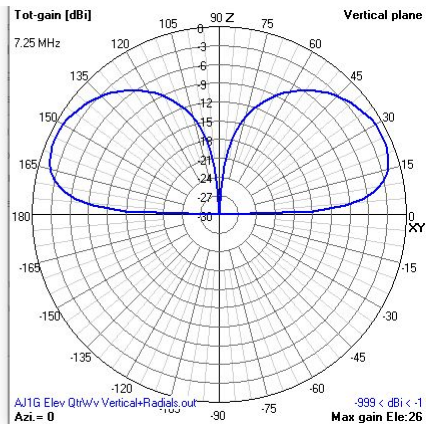
AJ1G Elev QtrW Vertical+Radials.out



Elev. : 13

Axis : 10 mtr

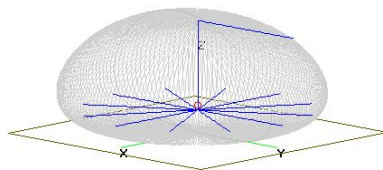
7.25 MHz



Radiation Pattern at ~ Infinite Distance After Propagation Over 2 mS/m, d.c. 5 (Flat) Earth

Filename	AJ1G Elev QtrW	Frequency	3.8	Mhz
		Wavelength	78.93	m
Voltage	61.1 + j0 V	Current	1.64 - j0.87 A	
Impedance	29.1 + j15.5	Series comp.	2707	pF
Parallel form	37.3 // j70	Parallel comp.	598.1	pF
S.W.R. 50	1.96	Input power	100	W
Efficiency	100 %	Structure loss	0	uW
Radiat-eff.	24.39 %	Network loss	0	uW
RDF [dB]	5.74	Radiat-power	100	W
Environment	<input type="checkbox"/> Loads <input type="checkbox"/> Polar			
GROUND PLANE SPECIFIED FINITE GROUND. SOMMERFELD SOLUTION GN2 RELATIVE DIELECTRIC CONST = 5.000 CONDUCTIVITY = 2.00E-03 MHOS/METER COMPLEX DIELECTRIC CONSTANT = 5.000000E+00-9.46078E+00				
Comment NEC4.2 Engine Used				
Seg's/patches	420	start	stop	count
Pattern lines	16471	Theta	-90 90	91 2
Freq/Eval steps	1	Phi	0 360	181 2

AJ1G Elev QtrW Inv L+Radials.out Tot-gain



Elev. : 13

Axis : 10 mtr

3.8 MHz

