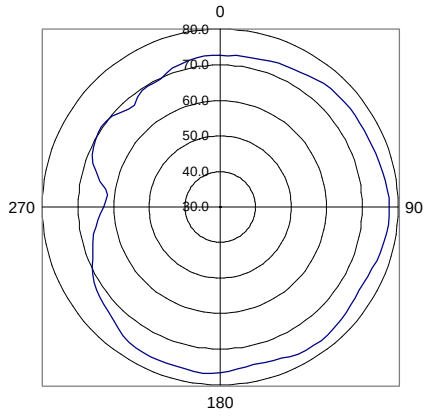
EXHIBIT W – Antenna Gain Plots

FCC ID# PEL640-0001

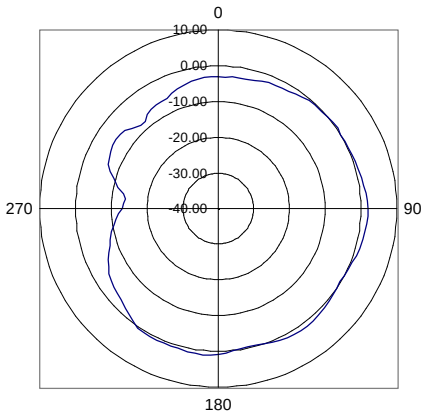
Northwest EMC, Inc., Absolute/Relative Gain Polar Plots			Rev 3.3 10/09/99
EUT: 700-0002	Serial Number: 1A0	Job Number: NEXC0009	Date: 01/18/01
Manufacturer: NextComm, Inc	Test Engineer: Rod Peloquin	Job Site: EV01	
Customer Reference Number:	Software:	Power:	
Comments: Antenna '1', Y - Z, Elevation Polar Plot, Phi = 90 degrees, Card installed in PC with AC adapter, 0 degrees=top of PC screen, RBW 3MHz/VBW 3KHz, Span 20MHz: Compare to Ref. horn			
		Temperature (°C): 18	% Humidity: 34

Relative Gain of AUT



Absolute Gain of AUT

Y-Z Axis
Maximum Absolute Gain = 1.85 dBi



Frequency (MHz)	Table Azimuth (degrees)	Adjusted Level (dBuV/m)	Absolute Gain (dBi)
2442.0	0.0	72.6	-3.15
2442.0	2.0	72.5	-3.25
2442.0	5.0	72.8	-2.90
2442.0	8.0	72.8	-2.90
2442.0	11.0	72.8	-2.95
2442.0	14.0	73.0	-2.75
2442.0	18.0	73.4	-2.30
2442.0	21.0	73.7	-2.05
2442.0	24.0	73.7	-2.00
2442.0	27.0	73.8	-1.90
2442.0	30.0	74.1	-1.65
2442.0	33.0	74.4	-1.30
2442.0	37.0	74.9	-0.85
2442.0	40.0	75.3	-0.40
2442.0	43.0	75.5	-0.25
2442.0	46.0	75.6	-0.15
2442.0	49.0	75.7	-0.05
2442.0	52.0	75.9	0.20
2442.0	56.0	76.0	0.25
2442.0	59.0	75.8	0.05
2442.0	62.0	75.8	0.10
2442.0	65.0	75.9	0.20
2442.0	68.0	76.1	0.35
2442.0	71.0	76.2	0.45
2442.0	74.0	76.5	0.75
2442.0	78.0	76.8	1.10
2442.0	81.0	77.0	1.25
2442.0	84.0	77.2	1.50
2442.0	87.0	77.5	1.80
2442.0	90.0	77.6	1.85
2442.0	93.0	77.6	1.85
2442.0	96.0	77.5	1.80
2442.0	100.0	77.4	1.65
2442.0	103.0	77.1	1.40
2442.0	106.0	76.9	1.15
2442.0	109.0	76.5	0.80
2442.0	112.0	76.1	0.40
2442.0	116.0	75.9	0.20
2442.0	118.0	75.7	0.00
2442.0	122.0	75.5	-0.20

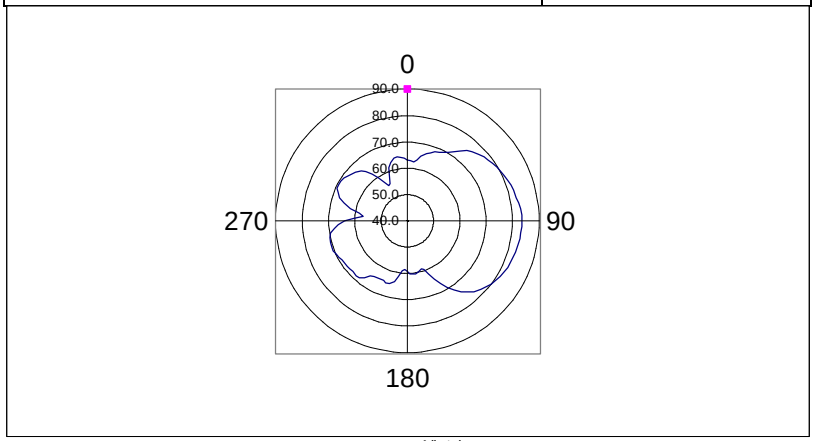
Absolute Gain of Horn (dBi)	7.70
Ref Horn Relative Gain Max (dBuV/m)	83.40
AUT Relative Gain Max (dBuV/m)	77.55
Diff. [Ref Horn - AUT] (dB)	5.85
Max Absolute Gain of AUT (dBi)	**1.85**
Correction Factor (Convert from Rel. to Abs. Gain)	**75.70**

Frequency (MHz)	Table Azimuth (degrees)	Adjusted Level (dBuV/m)	Absolute Gain (dBi)
2442.0	125.0	75.7	-0.05
2442.0	128.0	75.9	0.15
2442.0	131.0	76.2	0.45
2442.0	134.0	76.4	0.70
2442.0	137.0	76.8	1.05
2442.0	141.0	76.9	1.20
2442.0	144.0	77.1	1.40
2442.0	147.0	77.0	1.30
2442.0	150.0	77.0	1.25
2442.0	153.0	76.8	1.05
2442.0	156.0	76.4	0.65
2442.0	160.0	76.0	0.25
2442.0	163.0	75.7	0.00
2442.0	166.0	75.5	-0.20
2442.0	169.0	75.4	-0.35
2442.0	172.0	75.5	-0.25
2442.0	175.0	75.7	0.00
2442.0	178.0	76.3	0.55
2442.0	182.0	76.6	0.90
2442.0	185.0	76.8	1.10
2442.0	188.0	76.9	1.20
2442.0	191.0	76.8	1.05
2442.0	194.0	76.7	0.95
2442.0	197.0	76.5	0.75
2442.0	201.0	76.4	0.65
2442.0	204.0	76.4	0.65
2442.0	207.0	76.4	0.70
2442.0	210.0	76.3	0.60
2442.0	213.0	76.3	0.55
2442.0	216.0	76.0	0.25
2442.0	219.0	75.4	-0.35
2442.0	223.0	74.6	-1.10
2442.0	226.0	73.8	-1.90
2442.0	229.0	73.1	-2.65
2442.0	232.0	72.6	-3.15
2442.0	235.0	72.3	-3.45
2442.0	238.0	71.9	-3.85
2442.0	242.0	71.3	-4.40
2442.0	244.0	70.4	-5.30
2442.0	248.0	69.7	-6.00
2442.0	251.0	68.7	-7.00
2442.0	254.0	67.9	-7.85
2442.0	257.0	67.3	-8.40
2442.0	260.0	66.3	-9.40
2442.0	264.0	65.3	-10.40
2442.0	267.0	64.6	-11.10
2442.0	270.0	63.6	-12.10
2442.0	273.0	62.7	-13.05
2442.0	276.0	62.2	-13.55
2442.0	279.0	61.8	-13.90
2442.0	282.0	62.6	-13.10
2442.0	285.0	64.6	-11.15
2442.0	289.0	66.3	-9.45
2442.0	292.0	67.8	-7.95
2442.0	295.0	68.9	-6.85
2442.0	298.0	69.4	-6.35
2442.0	301.0	69.8	-5.90
2442.0	305.0	70.1	-5.60
2442.0	308.0	70.3	-5.40
2442.0	311.0	70.1	-5.60
2442.0	314.0	69.7	-6.00
2442.0	317.0	68.7	-7.00
2442.0	320.0	67.6	-8.10
2442.0	323.0	67.5	-8.20
2442.0	327.0	68.7	-7.00
2442.0	330.0	69.3	-6.40
2442.0	333.0	69.5	-6.20
2442.0	336.0	69.6	-6.10
2442.0	339.0	69.8	-5.90
2442.0	342.0	70.5	-5.25
2442.0	346.0	71.1	-4.60
2442.0	349.0	71.6	-4.15
2442.0	352.0	72.1	-3.60
2442.0	355.0	72.5	-3.25
2442.0	358.0	72.6	-3.15
2442.0	359.0	72.7	-3.05

Northwest EMC, Inc., Relative Gain Polar Plots

Rev 3.3
10/09/99

EUT:	Serial Number:	Job Number:	Date:
700-0002	19F	NEXC0009	01/18/01
Manufacturer:	Test Engineer:	Job Site:	
NextComm, Inc	Rod Peloquin	EV01	
Customer Reference Number:	Software:	Power:	
Comments:	Vert receive horn, vert ref horn s/n 4826, ADC = -8, RBW 3MHz/VBW 3KHz, Span 20MHz		
		Temperature (°C): 18	% Humidity: 34



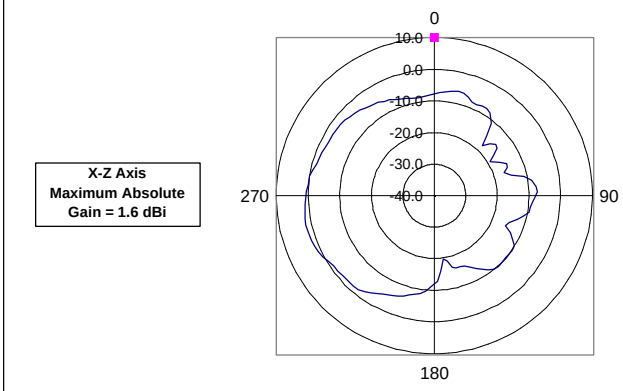
Frequency (MHz)	Table Azimuth (degrees)	Adjusted Level (dBuV/m)
2442.0	0.0	63.1
2442.0	2.0	62.8
2442.0	5.0	62.5
2442.0	8.0	63.3
2442.0	12.0	64.9
2442.0	15.0	66.4
2442.0	18.0	67.3
2442.0	21.0	68.1
2442.0	24.0	68.6
2442.0	27.0	69.3
2442.0	31.0	70.3
2442.0	34.0	71.6
2442.0	37.0	73.3
2442.0	40.0	74.9
2442.0	43.0	76.0
2442.0	46.0	77.0
2442.0	50.0	77.8
2442.0	53.0	78.5
2442.0	56.0	79.2
2442.0	59.0	79.7
2442.0	62.0	80.2
2442.0	65.0	80.6
2442.0	69.0	81.1
2442.0	71.0	81.5
2442.0	75.0	82.0
2442.0	78.0	82.3
2442.0	81.0	82.7
2442.0	84.0	83.1
2442.0	87.0	83.4
2442.0	90.0	83.4
2442.0	94.0	83.4
2442.0	97.0	83.3
2442.0	100.0	83.2
2442.0	103.0	83.0
2442.0	106.0	82.8
2442.0	109.0	82.5
2442.0	113.0	82.2
2442.0	116.0	82.0
2442.0	119.0	81.6
2442.0	122.0	81.1
2442.0	125.0	80.5
2442.0	128.0	79.9
2442.0	131.0	79.1
2442.0	135.0	78.0
2442.0	138.0	76.8
2442.0	141.0	75.2
2442.0	144.0	73.7
2442.0	147.0	71.6
2442.0	150.0	69.5
2442.0	154.0	66.9
2442.0	157.0	64.4
2442.0	160.0	61.6
2442.0	163.0	59.5
2442.0	166.0	59.0
2442.0	169.0	59.9
2442.0	172.0	60.5
2442.0	176.0	60.2
2442.0	179.0	60.2
2442.0	182.0	59.1
2442.0	185.0	58.4
2442.0	188.0	58.9
2442.0	191.0	61.4
2442.0	195.0	63.6
2442.0	198.0	64.8
2442.0	201.0	64.9

Reference Horn

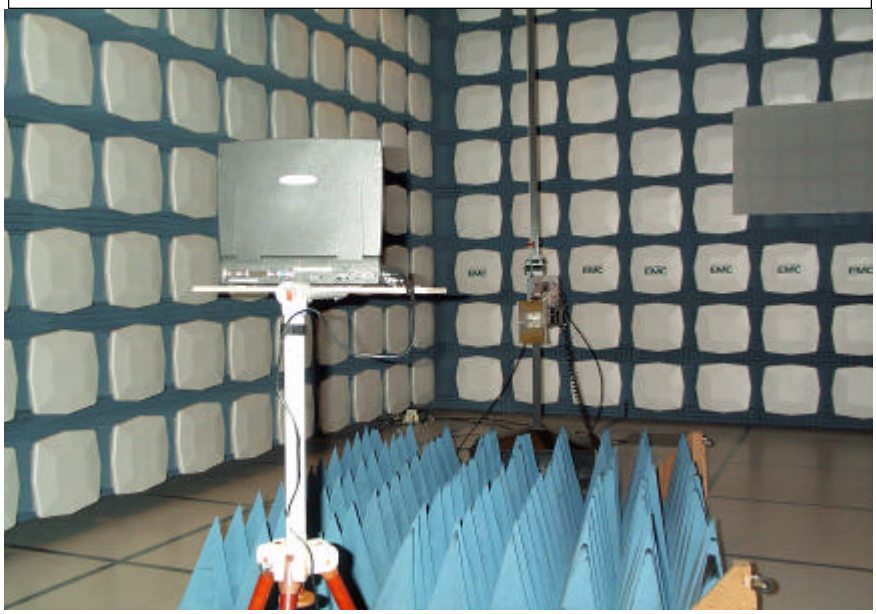
Frequency (MHz)	Table Azimuth (degrees)	Adjusted Level (dBuV/m)
2442.0	204.0	64.3
2442.0	207.0	64.3
2442.0	210.0	64.6
2442.0	213.0	64.6
2442.0	216.0	65.4
2442.0	220.0	67.0
2442.0	223.0	68.2
2442.0	226.0	68.4
2442.0	229.0	68.2
2442.0	232.0	68.3
2442.0	236.0	68.6
2442.0	238.0	68.6
2442.0	242.0	68.8
2442.0	245.0	69.4
2442.0	248.0	70.0
2442.0	251.0	70.4
2442.0	254.0	70.4
2442.0	257.0	70.4
2442.0	261.0	70.2
2442.0	264.0	69.4
2442.0	267.0	68.0
2442.0	270.0	66.3
2442.0	273.0	63.9
2442.0	276.0	60.3
2442.0	280.0	56.8
2442.0	283.0	58.5
2442.0	286.0	62.2
2442.0	289.0	65.1
2442.0	292.0	67.2
2442.0	295.0	68.5
2442.0	299.0	69.3
2442.0	302.0	69.5
2442.0	305.0	69.4
2442.0	308.0	69.1
2442.0	311.0	68.5
2442.0	314.0	67.7
2442.0	318.0	67.0
2442.0	320.0	65.8
2442.0	324.0	64.4
2442.0	327.0	62.4
2442.0	330.0	59.7
2442.0	333.0	57.3
2442.0	336.0	55.0
2442.0	339.0	55.6
2442.0	343.0	58.2
2442.0	346.0	61.4
2442.0	349.0	63.1
2442.0	352.0	64.3
2442.0	355.0	64.6
2442.0	358.0	64.2
2442.0	359.0	63.8

Northwest EMC, Inc., Absolute Gain Polar Plots			Rev 3.50 01/11/01
EUT: **700-0002**	Serial Number: **1A0**	Job Number: **NEXC0009**	Date: **01/18/01**
Manufacturer: **NextComm, Inc**	Test Engineer: **Rod Peloquin**	Job Site: **EV01**	
Customer Reference Number:	Software:	Power:	
Comments: **Antenna '0', X - Z, Elevation Polar Plot, Phi = 0 degree, Card installed in PC with AC adapter, 0 degrees=front of PC, RBW 3MHz/VBW 3KHz, Span 20MHz**			
Rodney Le Peloquin		Temperature (°C): **18**	% Humidity: **34**

Antenna Polar Plot



X-Z Axis
Maximum Absolute Gain = 1.6 dBi



Frequency (MHz)	Table Azimuth (degrees)	Relative Gain (dBuV/m)	Absolute Gain (dBi)	Maximum Absolute Gain (dBi)
2442.0	0.0	67.8	-7.9	**1.6**
2442.0	2.0	68.2	-7.5	
2442.0	5.0	68.7	-7.0	
2442.0	8.0	69.2	-6.6	
2442.0	11.0	69.5	-6.2	
2442.0	15.0	69.4	-6.3	
2442.0	18.0	68.7	-7.1	
2442.0	21.0	67.8	-8.0	
2442.0	24.0	67.4	-8.3	
2442.0	27.0	67.8	-7.9	
2442.0	31.0	68.0	-7.8	
2442.0	34.0	67.3	-8.5	
2442.0	37.0	64.9	-10.8	
2442.0	40.0	61.1	-14.6	
2442.0	43.0	57.6	-18.2	
2442.0	46.0	59.7	-16.0	
2442.0	50.0	61.1	-14.7	
2442.0	52.0	60.6	-15.2	
2442.0	56.0	58.1	-17.6	
2442.0	59.0	56.4	-19.3	
2442.0	62.0	59.0	-16.8	
2442.0	65.0	60.9	-14.9	

Frequency (MHz)	Table Azimuth (degrees)	Relative Gain (dBuV/m)	Absolute Gain (dBi)	Maximum Absolute Gain (dBi)
2442.0	68.0	60.5	-15.3	
2442.0	72.0	59.0	-16.8	
2442.0	75.0	60.9	-14.8	
2442.0	78.0	64.6	-11.2	
2442.0	81.0	66.8	-8.9	
2442.0	84.0	68.1	-7.7	
2442.0	87.0	68.2	-7.5	
2442.0	91.0	67.6	-8.2	
2442.0	95.0	66.8	-9.0	
2442.0	98.0	66.4	-9.4	
2442.0	101.0	66.1	-9.6	
2442.0	105.0	64.7	-11.0	
2442.0	107.0	63.1	-12.6	
2442.0	111.0	60.9	-14.8	
2442.0	115.0	60.3	-15.5	
2442.0	118.0	62.5	-13.3	
2442.0	122.0	64.0	-11.7	
2442.0	125.0	65.4	-10.3	
2442.0	128.0	65.8	-9.9	
2442.0	131.0	65.7	-10.0	
2442.0	135.0	65.8	-9.9	
2442.0	138.0	66.0	-9.8	
2442.0	141.0	66.0	-9.8	
2442.0	144.0	65.6	-10.1	
2442.0	147.0	64.7	-11.0	
2442.0	150.0	63.5	-12.2	
2442.0	153.0	62.5	-13.3	
2442.0	157.0	61.2	-14.6	
2442.0	160.0	60.0	-15.7	
2442.0	163.0	59.6	-16.2	
2442.0	166.0	59.6	-16.2	
2442.0	169.0	58.9	-16.8	
2442.0	172.0	56.7	-19.0	
2442.0	176.0	56.0	-19.7	
2442.0	179.0	59.5	-16.2	
2442.0	182.0	62.8	-13.0	
2442.0	185.0	64.5	-11.2	
2442.0	188.0	66.1	-9.7	
2442.0	191.0	67.0	-8.7	
2442.0	195.0	67.5	-8.3	
2442.0	198.0	68.1	-7.6	
2442.0	201.0	68.9	-6.9	
2442.0	204.0	69.5	-6.2	
2442.0	207.0	70.2	-5.6	
2442.0	210.0	70.8	-4.9	
2442.0	213.0	71.5	-4.3	
2442.0	216.0	72.4	-3.4	
2442.0	220.0	73.3	-2.4	
2442.0	223.0	74.0	-1.7	
2442.0	226.0	74.1	-1.6	
2442.0	229.0	74.1	-1.7	
2442.0	232.0	74.1	-1.6	
2442.0	235.0	74.4	-1.4	
2442.0	239.0	74.7	-1.1	
2442.0	242.0	75.3	-0.5	
2442.0	245.0	76.0	0.3	
2442.0	248.0	76.4	0.7	
2442.0	251.0	76.7	1.0	
2442.0	254.0	77.0	1.3	
2442.0	258.0	77.3	1.6	
2442.0	261.0	77.4	1.6	
2442.0	264.0	77.3	1.6	
2442.0	267.0	77.0	1.3	
2442.0	270.0	76.7	1.0	
2442.0	273.0	76.4	0.6	
2442.0	277.0	76.1	0.4	
2442.0	280.0	75.8	0.1	
2442.0	283.0	75.5	-0.2	
2442.0	286.0	75.0	-0.7	
2442.0	289.0	74.4	-1.3	
2442.0	292.0	74.0	-1.8	
2442.0	295.0	73.7	-2.0	
2442.0	299.0	73.5	-2.3	
2442.0	302.0	73.3	-2.5	
2442.0	305.0	73.1	-2.6	
2442.0	308.0	73.1	-2.7	
2442.0	311.0	73.0	-2.8	
2442.0	314.0	72.7	-3.0	
2442.0	318.0	72.4	-3.4	
2442.0	321.0	71.9	-3.9	
2442.0	324.0	71.5	-4.2	
2442.0	327.0	70.9	-4.9	
2442.0	330.0	70.4	-5.4	
2442.0	333.0	70.1	-5.6	
2442.0	336.0	69.6	-6.1	
2442.0	339.0	69.0	-6.7	
2442.0	343.0	68.4	-7.3	
2442.0	346.0	68.0	-7.7	
2442.0	349.0	67.7	-8.0	
2442.0	352.0	67.4	-8.4	
2442.0	355.0	67.1	-8.6	
2442.0	358.0	67.3	-8.5	
2442.0	360.0	67.5	-8.3	

Northwest EMC, Inc., Absolute Gain Polar Plots

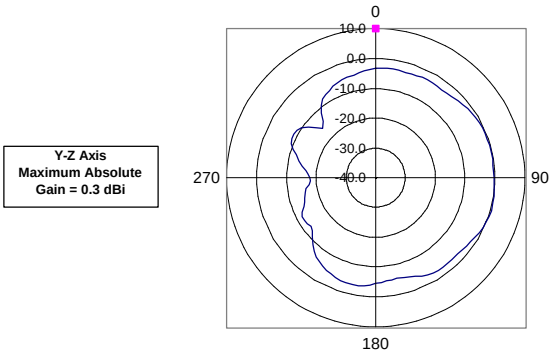
Rev 3.50
01/11/01

EUT:	Serial Number:	Job Number:	Date:
700-0002	1A0	NEXC0009	01/18/01
Manufacturer:	Test Engineer:	Job Site:	
NextComm, Inc	Rod Peloquin	EV01	
Customer Reference Number:	Software:	Power:	

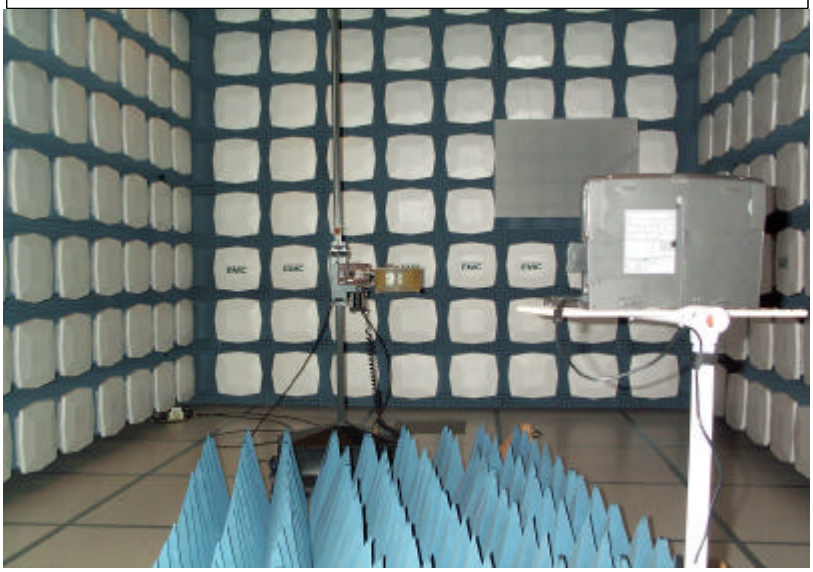
Comments: Antenna '0', Y - Z, Elevation Polar Plot, Phi = 90 degrees, Card installed in PC with AC adapter, 0 degrees=top of PC screen, RBW 3MHz/VBW 3KHz, Span 20MHz

Temperature (°C):	% Humidity:
18	34

Antenna Polar Plot



Y-Z Axis
Maximum Absolute Gain = 0.3 dBi



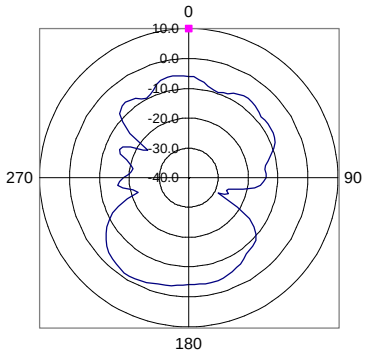
Frequency (MHz)	Table Azimuth (degrees)	Relative Gain (dBuV/m)	Absolute Gain (dBi)	Maximum Absolute Gain (dBi)
2442.0	0.0	72.3	-3.4	0.3
2442.0	2.0	72.4	-3.3	
2442.0	5.0	72.7	-3.1	
2442.0	8.0	72.7	-3.0	
2442.0	11.0	72.7	-3.0	
2442.0	14.0	72.5	-3.2	
2442.0	18.0	72.5	-3.2	
2442.0	21.0	72.7	-3.0	
2442.0	24.0	72.8	-3.0	
2442.0	27.0	72.8	-2.9	
2442.0	30.0	72.8	-3.0	
2442.0	33.0	72.6	-3.1	
2442.0	37.0	72.5	-3.3	
2442.0	40.0	72.6	-3.1	
2442.0	43.0	72.9	-2.8	
2442.0	46.0	73.4	-2.3	
2442.0	49.0	73.9	-1.9	
2442.0	52.0	74.3	-1.4	
2442.0	55.0	74.6	-1.1	
2442.0	59.0	74.8	-1.0	
2442.0	62.0	75.1	-0.7	
2442.0	65.0	75.2	-0.5	
2442.0	68.0	75.2	-0.5	
2442.0	71.0	75.3	-0.5	
2442.0	74.0	75.3	-0.4	
2442.0	78.0	75.4	-0.4	
2442.0	80.0	75.4	-0.4	
2442.0	84.0	75.2	-0.5	
2442.0	87.0	75.3	-0.5	
2442.0	90.0	75.4	-0.3	

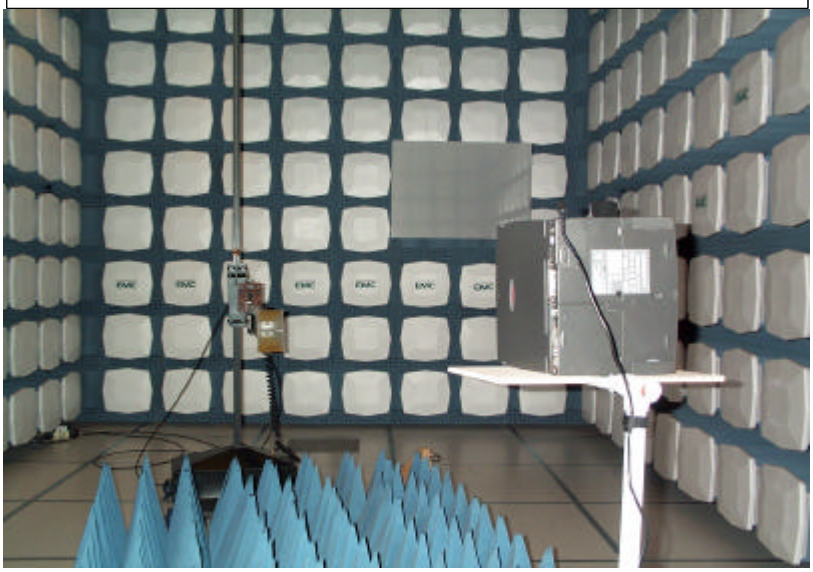
Frequency (MHz)	Table Azimuth (degrees)	Relative Gain (dBuV/m)	Absolute Gain (dBi)	Maximum Absolute Gain (dBi)
2442.0	93.0	75.5	-0.3	
2442.0	96.0	75.7	0.0	
2442.0	100.0	75.8	0.0	
2442.0	103.0	75.9	0.2	
2442.0	106.0	76.0	0.3	
2442.0	109.0	75.9	0.1	
2442.0	112.0	75.7	0.0	
2442.0	115.0	75.4	-0.3	
2442.0	118.0	75.0	-0.7	
2442.0	122.0	74.6	-1.1	
2442.0	125.0	74.2	-1.5	
2442.0	128.0	73.9	-1.8	
2442.0	131.0	73.5	-2.3	
2442.0	134.0	73.4	-2.4	
2442.0	137.0	73.4	-2.4	
2442.0	140.0	73.3	-2.5	
2442.0	144.0	73.2	-2.5	
2442.0	147.0	73.2	-2.5	
2442.0	150.0	73.0	-2.7	
2442.0	153.0	72.7	-3.0	
2442.0	156.0	72.1	-3.6	
2442.0	159.0	71.4	-4.3	
2442.0	163.0	70.9	-4.8	
2442.0	166.0	70.4	-5.3	
2442.0	169.0	70.3	-5.5	
2442.0	172.0	70.4	-5.3	
2442.0	175.0	70.6	-5.2	
2442.0	178.0	70.8	-4.9	
2442.0	182.0	71.2	-4.6	
2442.0	185.0	71.7	-4.1	
2442.0	188.0	72.2	-3.6	
2442.0	191.0	72.5	-3.3	
2442.0	194.0	72.5	-3.3	
2442.0	197.0	72.4	-3.3	
2442.0	200.0	72.1	-3.6	
2442.0	204.0	71.7	-4.0	
2442.0	207.0	71.2	-4.6	
2442.0	210.0	70.8	-4.9	
2442.0	213.0	70.3	-5.4	
2442.0	216.0	69.7	-6.1	
2442.0	219.0	69.0	-6.8	
2442.0	223.0	68.0	-7.8	
2442.0	226.0	66.6	-9.2	
2442.0	229.0	65.0	-10.8	
2442.0	232.0	63.4	-12.3	
2442.0	235.0	63.0	-12.7	
2442.0	238.0	63.3	-12.4	
2442.0	241.0	63.6	-12.2	
2442.0	244.0	63.5	-12.2	
2442.0	248.0	63.0	-12.8	
2442.0	251.0	61.7	-14.1	
2442.0	254.0	60.9	-14.8	
2442.0	257.0	60.4	-15.3	
2442.0	260.0	59.8	-15.9	
2442.0	263.0	59.3	-16.4	
2442.0	267.0	58.3	-17.5	
2442.0	270.0	57.5	-18.2	
2442.0	273.0	57.9	-17.9	
2442.0	276.0	58.5	-17.2	
2442.0	279.0	59.3	-16.5	
2442.0	282.0	60.6	-15.1	
2442.0	285.0	62.0	-13.7	
2442.0	289.0	63.5	-12.3	
2442.0	292.0	64.9	-10.8	
2442.0	295.0	66.3	-9.5	
2442.0	298.0	66.8	-9.0	
2442.0	301.0	66.8	-9.0	
2442.0	304.0	66.5	-9.3	
2442.0	308.0	65.7	-10.1	
2442.0	311.0	64.1	-11.6	
2442.0	314.0	61.9	-13.9	
2442.0	317.0	60.0	-15.8	
2442.0	320.0	61.5	-14.3	
2442.0	323.0	64.0	-11.8	
2442.0	327.0	66.0	-9.8	
2442.0	329.0	67.5	-8.3	
2442.0	333.0	68.3	-7.4	
2442.0	336.0	68.9	-6.9	
2442.0	339.0	69.5	-6.2	
2442.0	342.0	70.1	-5.7	
2442.0	346.0	70.4	-5.3	
2442.0	348.0	70.7	-5.0	
2442.0	352.0	71.0	-4.7	
2442.0	355.0	71.4	-4.3	
2442.0	358.0	71.8	-4.0	
2442.0	359.0	72.0	-3.7	

Northwest EMC, Inc., Absolute Gain Polar Plots			Rev 3.50 01/11/01
EUT: **700-0002**	Serial Number: **1A0**	Job Number: **NEXC0009**	Date: **01/18/01**
Manufacturer: **NextComm, Inc**	Test Engineer: **Rod Peloquin**	Job Site: **EV01**	
Customer Reference Number:	Software:	Power:	
Comments: **Antenna '0', X - Y, Azimuth Polar Plot, Card installed in PC with AC adapter, 0 degrees=top of PC screen, RBW 3MHz/VBW 3KHz, Span 20MHz**			
		Temperature (°C): **18**	% Humidity: **34**

Antenna Polar Plot

X-Y Axis
Maximum Absolute Gain = -1.5 dBi





Frequency (MHz)	Table Azimuth (degrees)	Relative Gain (dBuV/m)	Absolute Gain (dBi)	Maximum Absolute Gain (dBi)
2442.0	0.0	69.6	-6.1	-1.5
2442.0	2.0	69.5	-6.2	
2442.0	5.0	68.8	-6.9	
2442.0	8.0	68.1	-7.7	
2442.0	11.0	67.1	-8.6	
2442.0	15.0	66.3	-9.4	
2442.0	18.0	66.0	-9.7	
2442.0	21.0	66.4	-9.4	
2442.0	24.0	66.9	-8.9	
2442.0	27.0	67.7	-8.1	
2442.0	30.0	68.3	-7.4	
2442.0	34.0	68.7	-7.0	
2442.0	37.0	68.9	-6.8	
2442.0	40.0	68.8	-6.9	
2442.0	43.0	68.6	-7.2	
2442.0	46.0	68.0	-7.8	
2442.0	49.0	67.6	-8.2	
2442.0	53.0	67.6	-8.1	
2442.0	56.0	67.8	-7.9	
2442.0	59.0	67.7	-8.0	
2442.0	62.0	67.8	-8.0	
2442.0	65.0	67.5	-8.3	
2442.0	68.0	67.0	-8.7	
2442.0	71.0	66.0	-9.7	
2442.0	75.0	64.5	-11.2	
2442.0	78.0	63.0	-12.8	
2442.0	81.0	61.8	-13.9	
2442.0	84.0	61.5	-14.2	
2442.0	87.0	61.7	-14.1	
2442.0	90.0	61.6	-14.1	

Frequency (MHz)	Table Azimuth (degrees)	Relative Gain (dBuV/m)	Absolute Gain (dBi)	Maximum Absolute Gain (dBi)
2442.0	94.0	60.9	-14.8	
2442.0	96.0	60.1	-15.7	
2442.0	100.0	58.0	-17.7	
2442.0	103.0	54.4	-21.3	
2442.0	106.0	49.7	-26.0	
2442.0	109.0	49.0	-26.7	
2442.0	113.0	50.2	-25.6	
2442.0	115.0	48.9	-26.8	
2442.0	119.0	46.9	-28.8	
2442.0	122.0	54.9	-20.8	
2442.0	125.0	60.1	-15.6	
2442.0	128.0	63.2	-12.6	
2442.0	131.0	65.0	-10.7	
2442.0	134.0	66.4	-9.4	
2442.0	138.0	67.1	-8.6	
2442.0	141.0	67.5	-8.3	
2442.0	144.0	67.8	-8.0	
2442.0	147.0	68.6	-7.2	
2442.0	150.0	69.3	-6.4	
2442.0	153.0	69.9	-5.8	
2442.0	157.0	70.5	-5.2	
2442.0	160.0	71.0	-4.7	
2442.0	163.0	71.4	-4.3	
2442.0	166.0	71.7	-4.0	
2442.0	169.0	71.8	-3.9	
2442.0	172.0	71.9	-3.9	
2442.0	175.0	71.6	-4.1	
2442.0	179.0	71.6	-4.2	
2442.0	182.0	71.5	-4.3	
2442.0	185.0	71.7	-4.0	
2442.0	188.0	71.9	-3.8	
2442.0	191.0	72.3	-3.4	
2442.0	194.0	72.6	-3.2	
2442.0	198.0	72.8	-2.9	
2442.0	201.0	73.2	-2.5	
2442.0	204.0	73.7	-2.1	
2442.0	207.0	73.9	-1.8	
2442.0	210.0	74.2	-1.6	
2442.0	213.0	74.3	-1.5	
2442.0	216.0	74.3	-1.5	
2442.0	219.0	74.0	-1.7	
2442.0	223.0	73.6	-2.2	
2442.0	226.0	73.0	-2.8	
2442.0	229.0	72.3	-3.4	
2442.0	232.0	71.5	-4.3	
2442.0	235.0	70.6	-5.2	
2442.0	239.0	69.3	-6.5	
2442.0	241.0	67.7	-8.1	
2442.0	245.0	66.1	-9.7	
2442.0	248.0	63.9	-11.8	
2442.0	251.0	61.2	-14.6	
2442.0	254.0	57.6	-18.1	
2442.0	257.0	53.4	-22.4	
2442.0	260.0	54.8	-21.0	
2442.0	264.0	58.0	-17.7	
2442.0	267.0	59.7	-16.1	
2442.0	270.0	58.9	-16.8	
2442.0	273.0	57.6	-18.1	
2442.0	276.0	55.9	-19.9	
2442.0	279.0	55.0	-20.7	
2442.0	283.0	54.5	-21.2	
2442.0	285.0	55.5	-20.3	
2442.0	289.0	57.5	-18.3	
2442.0	292.0	59.9	-15.8	
2442.0	295.0	60.8	-14.9	
2442.0	298.0	60.1	-15.6	
2442.0	301.0	57.8	-18.0	
2442.0	304.0	53.6	-22.2	
2442.0	308.0	52.2	-23.5	
2442.0	311.0	60.4	-15.3	
2442.0	314.0	64.6	-11.1	
2442.0	317.0	67.2	-8.5	
2442.0	320.0	68.5	-7.2	
2442.0	323.0	68.8	-6.9	
2442.0	326.0	68.4	-7.4	
2442.0	330.0	67.7	-8.0	
2442.0	333.0	66.4	-9.3	
2442.0	336.0	65.7	-10.0	
2442.0	339.0	66.3	-9.4	
2442.0	343.0	67.6	-8.2	
2442.0	345.0	68.7	-7.0	
2442.0	349.0	69.5	-6.2	
2442.0	352.0	70.0	-5.7	
2442.0	355.0	70.2	-5.6	
2442.0	358.0	70.0	-5.7	
2442.0	359.0	69.8	-5.9	

Northwest EMC, Inc., Absolute Gain Polar Plots

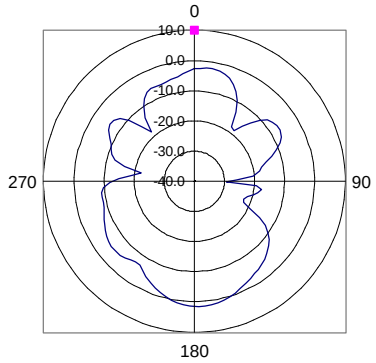
Rev 3.50
01/11/01

EUT:	Serial Number:	Job Number:	Date:
700-0002	1A0	NEXC0009	01/18/01
Manufacturer:	Test Engineer:	Job Site:	
NextComm, Inc	Rod Peloquin	EV01	
Customer Reference Number:	Software:	Power:	

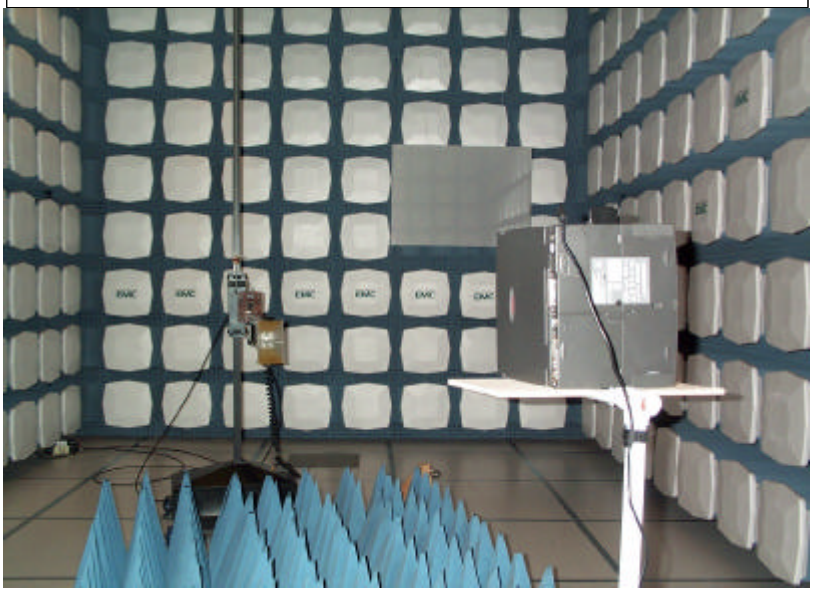
Comments: Antenna '1', X - Y, Azimuth Polar Plot, Card installed in PC with AC adapter, 0 degrees=top of PC screen, RBW 3MHz/VBW 3KHz, Span 20MHz

Temperature (°C):	% Humidity:
18	34

Antenna Polar Plot



X-Y Axis
Maximum Absolute Gain = 1.5 dBi

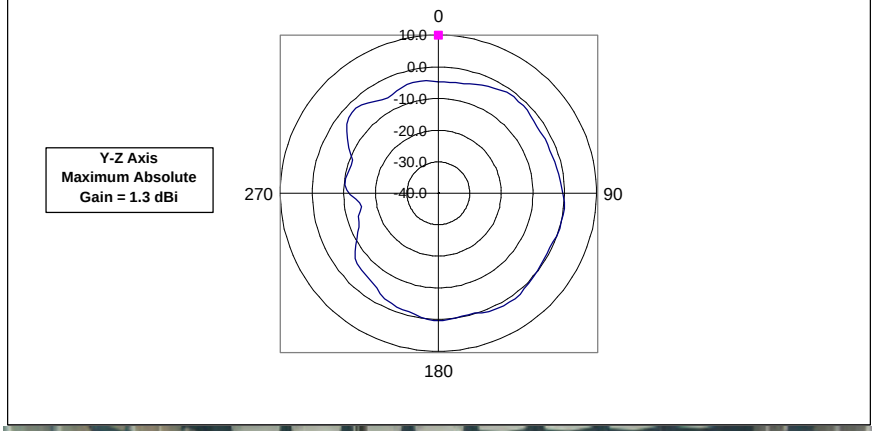


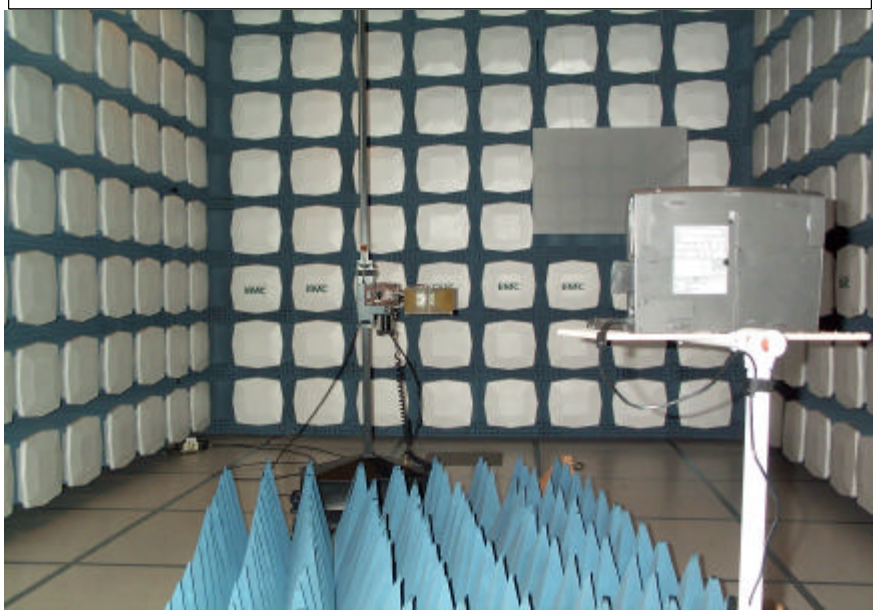
Frequency (MHz)	Table Azimuth (degrees)	Relative Gain (dBuV/m)	Absolute Gain (dBi)	Maximum Absolute Gain (dBi)
2442.0	0.0	73.0	-2.8	1.5
2442.0	2.0	73.1	-2.7	
2442.0	5.0	73.5	-2.3	
2442.0	8.0	73.5	-2.2	
2442.0	12.0	73.2	-2.6	
2442.0	15.0	72.6	-3.1	
2442.0	18.0	71.7	-4.0	
2442.0	21.0	70.3	-5.5	
2442.0	24.0	68.4	-7.4	
2442.0	27.0	66.0	-9.7	
2442.0	30.0	62.4	-13.3	
2442.0	34.0	57.5	-18.2	
2442.0	37.0	57.0	-18.8	
2442.0	40.0	59.9	-15.9	
2442.0	43.0	62.7	-13.1	
2442.0	46.0	65.4	-10.3	
2442.0	49.0	67.3	-8.5	
2442.0	52.0	68.2	-7.5	
2442.0	56.0	68.7	-7.0	
2442.0	59.0	68.7	-7.0	
2442.0	62.0	68.1	-7.7	
2442.0	65.0	66.8	-9.0	
2442.0	68.0	64.8	-10.9	
2442.0	71.0	62.6	-13.1	
2442.0	75.0	60.2	-15.5	
2442.0	78.0	58.3	-17.4	

Frequency (MHz)	Table Azimuth (degrees)	Relative Gain (dBuV/m)	Absolute Gain (dBi)	Maximum Absolute Gain (dBi)
2442.0	81.0	57.6	-18.1	
2442.0	84.0	55.2	-20.5	
2442.0	87.0	49.7	-26.1	
2442.0	90.0	46.3	-29.4	
2442.0	94.0	56.3	-19.5	
2442.0	97.0	58.1	-17.6	
2442.0	100.0	57.2	-18.6	
2442.0	103.0	55.8	-20.0	
2442.0	106.0	54.0	-21.7	
2442.0	109.0	53.1	-22.7	
2442.0	113.0	53.6	-22.2	
2442.0	116.0	56.3	-19.4	
2442.0	119.0	60.6	-15.2	
2442.0	122.0	63.6	-12.2	
2442.0	125.0	65.7	-10.1	
2442.0	128.0	67.0	-8.7	
2442.0	131.0	68.4	-7.4	
2442.0	134.0	69.6	-6.2	
2442.0	138.0	70.4	-5.3	
2442.0	141.0	71.1	-4.7	
2442.0	144.0	71.7	-4.0	
2442.0	147.0	72.2	-3.5	
2442.0	150.0	72.9	-2.9	
2442.0	153.0	73.7	-2.1	
2442.0	157.0	74.4	-1.4	
2442.0	160.0	75.2	-0.5	
2442.0	163.0	75.8	0.0	
2442.0	166.0	76.3	0.6	
2442.0	169.0	76.8	1.1	
2442.0	172.0	77.1	1.3	
2442.0	176.0	77.2	1.5	
2442.0	178.0	77.2	1.5	
2442.0	182.0	77.1	1.3	
2442.0	185.0	76.8	1.1	
2442.0	188.0	76.3	0.6	
2442.0	191.0	75.8	0.1	
2442.0	195.0	75.2	-0.5	
2442.0	197.0	74.3	-1.4	
2442.0	201.0	73.4	-2.3	
2442.0	204.0	72.3	-3.4	
2442.0	207.0	71.1	-4.7	
2442.0	210.0	69.8	-6.0	
2442.0	213.0	68.8	-6.9	
2442.0	216.0	68.7	-7.0	
2442.0	220.0	69.1	-6.6	
2442.0	223.0	69.8	-6.0	
2442.0	226.0	70.4	-5.4	
2442.0	229.0	70.6	-5.2	
2442.0	232.0	70.6	-5.1	
2442.0	235.0	70.4	-5.3	
2442.0	239.0	70.1	-5.7	
2442.0	242.0	69.5	-6.3	
2442.0	245.0	68.8	-7.0	
2442.0	248.0	68.1	-7.6	
2442.0	251.0	67.5	-8.3	
2442.0	254.0	66.9	-8.9	
2442.0	257.0	66.6	-9.2	
2442.0	261.0	66.6	-9.1	
2442.0	263.0	66.7	-9.1	
2442.0	267.0	65.8	-9.9	
2442.0	270.0	63.8	-12.0	
2442.0	273.0	60.6	-15.1	
2442.0	276.0	56.5	-19.3	
2442.0	279.0	53.5	-22.3	
2442.0	282.0	59.2	-16.5	
2442.0	286.0	62.9	-12.8	
2442.0	289.0	64.5	-11.2	
2442.0	292.0	65.1	-10.7	
2442.0	295.0	65.7	-10.0	
2442.0	298.0	67.2	-8.6	
2442.0	301.0	68.7	-7.1	
2442.0	305.0	69.5	-6.3	
2442.0	308.0	69.2	-6.6	
2442.0	311.0	67.8	-7.9	
2442.0	314.0	65.2	-10.6	
2442.0	317.0	60.8	-15.0	
2442.0	321.0	57.3	-18.4	
2442.0	324.0	62.2	-13.6	
2442.0	327.0	65.8	-10.0	
2442.0	330.0	67.7	-8.0	
2442.0	333.0	69.0	-6.8	
2442.0	336.0	69.6	-6.2	
2442.0	339.0	69.7	-6.1	
2442.0	343.0	69.7	-6.1	
2442.0	346.0	69.9	-5.9	
2442.0	349.0	70.2	-5.5	
2442.0	352.0	70.7	-5.0	
2442.0	355.0	71.4	-4.3	
2442.0	358.0	72.1	-3.6	
2442.0	360.0	72.6	-3.2	

Northwest EMC, Inc., Absolute Gain Polar Plots			Rev 3.50 01/11/01
EUT: 700-0002	Serial Number: 1A0	Job Number: NEXC0009	Date: 01/18/01
Manufacturer: NextComm, Inc	Test Engineer: Rod Peloquin	Job Site: EV01	
Customer Reference Number:	Software:	Power:	
Comments:	Antenna '1', Y - Z, Elevation Polar Plot, Phi = 90 degrees, Card installed in PC with AC adapter, 0 degrees=top of PC screen, RBW 3MHz/VBW 3KHz, Span 20MHz		
		Temperature (°C): 18	% Humidity: 34

Antenna Polar Plot





Frequency (MHz)	Table Azimuth (degrees)	Relative Gain (dBuV/m)		Maximum Absolute Gain (dBi)
2442.0	0.0	70.9	-4.8	1.3
2442.0	2.0	70.9	-4.9	
2442.0	4.0	70.9	-4.9	
2442.0	8.0	71.2	-4.5	
2442.0	11.0	71.4	-4.3	
2442.0	14.0	71.7	-4.0	
2442.0	17.0	72.1	-3.7	
2442.0	20.0	72.5	-3.3	
2442.0	24.0	72.9	-2.8	
2442.0	27.0	73.4	-2.4	
2442.0	30.0	73.9	-1.9	
2442.0	33.0	74.4	-1.4	
2442.0	36.0	74.4	-1.3	
2442.0	39.0	74.3	-1.5	
2442.0	42.0	74.3	-1.4	
2442.0	46.0	74.2	-1.5	
2442.0	49.0	73.8	-1.9	
2442.0	52.0	73.6	-2.2	
2442.0	55.0	73.4	-2.3	
2442.0	58.0	73.5	-2.3	
2442.0	61.0	73.6	-2.1	
2442.0	65.0	73.5	-2.2	

Frequency (MHz)	Table Azimuth (degrees)	Relative Gain (dBuV/m)	Maximum Absolute Gain (dBi)
2442.0	68.0	73.4	-2.3
2442.0	71.0	73.6	-2.2
2442.0	74.0	73.7	-2.0
2442.0	77.0	73.9	-1.8
2442.0	80.0	74.2	-1.5
2442.0	84.0	74.6	-1.1
2442.0	87.0	74.8	-0.9
2442.0	90.0	75.2	-0.5
2442.0	93.0	75.6	-0.1
2442.0	96.0	75.8	0.0
2442.0	99.0	75.7	0.0
2442.0	103.0	75.7	0.0
2442.0	106.0	75.8	0.0
2442.0	109.0	75.5	-0.2
2442.0	112.0	75.2	-0.5
2442.0	115.0	75.1	-0.7
2442.0	118.0	75.1	-0.7
2442.0	121.0	75.1	-0.6
2442.0	124.0	75.2	-0.5
2442.0	128.0	75.5	-0.2
2442.0	131.0	75.8	0.0
2442.0	134.0	76.2	0.5
2442.0	137.0	76.5	0.8
2442.0	140.0	76.9	1.1
2442.0	143.0	77.0	1.3
2442.0	147.0	76.9	1.1
2442.0	150.0	76.8	1.1
2442.0	153.0	76.7	1.0
2442.0	156.0	76.3	0.6
2442.0	159.0	75.9	0.2
2442.0	162.0	75.5	-0.3
2442.0	165.0	75.4	-0.4
2442.0	169.0	75.5	-0.3
2442.0	172.0	75.6	-0.2
2442.0	175.0	75.8	0.0
2442.0	178.0	76.0	0.3
2442.0	181.0	76.0	0.3
2442.0	184.0	75.9	0.1
2442.0	188.0	75.4	-0.3
2442.0	191.0	74.8	-1.0
2442.0	194.0	74.4	-1.4
2442.0	197.0	74.1	-1.6
2442.0	200.0	73.9	-1.8
2442.0	203.0	73.6	-2.1
2442.0	206.0	73.1	-2.7
2442.0	209.0	72.3	-3.4
2442.0	213.0	71.6	-4.2
2442.0	216.0	71.0	-4.7
2442.0	219.0	70.5	-5.3
2442.0	222.0	70.3	-5.5
2442.0	226.0	70.1	-5.6
2442.0	228.0	69.8	-6.0
2442.0	232.0	69.1	-6.7
2442.0	235.0	68.0	-7.8
2442.0	238.0	66.5	-9.3
2442.0	241.0	65.2	-10.6
2442.0	244.0	64.0	-11.8
2442.0	247.0	63.0	-12.7
2442.0	251.0	62.5	-13.3
2442.0	254.0	62.0	-13.8
2442.0	257.0	61.0	-14.7
2442.0	260.0	60.3	-15.4
2442.0	263.0	60.8	-15.0
2442.0	266.0	61.9	-13.8
2442.0	270.0	63.6	-12.2
2442.0	273.0	64.7	-11.0
2442.0	276.0	65.5	-10.2
2442.0	280.0	65.6	-10.2
2442.0	283.0	65.2	-10.6
2442.0	287.0	64.8	-11.0
2442.0	290.0	64.6	-11.2
2442.0	293.0	64.9	-10.9
2442.0	296.0	66.0	-9.7
2442.0	299.0	67.5	-8.3
2442.0	302.0	69.3	-6.5
2442.0	305.0	70.8	-5.0
2442.0	309.0	71.9	-3.8
2442.0	312.0	72.7	-3.1
2442.0	315.0	73.1	-2.6
2442.0	318.0	73.1	-2.6
2442.0	321.0	72.7	-3.0
2442.0	325.0	71.9	-3.9
2442.0	327.0	71.0	-4.8
2442.0	331.0	70.2	-5.5
2442.0	334.0	69.9	-5.8
2442.0	337.0	70.2	-5.5
2442.0	340.0	70.8	-4.9
2442.0	343.0	71.2	-4.6
2442.0	347.0	71.5	-4.3
2442.0	350.0	71.7	-4.1
2442.0	353.0	71.6	-4.1
2442.0	356.0	71.5	-4.3
2442.0	359.0	71.2	-4.6

Northwest EMC, Inc., Absolute Gain Polar Plots

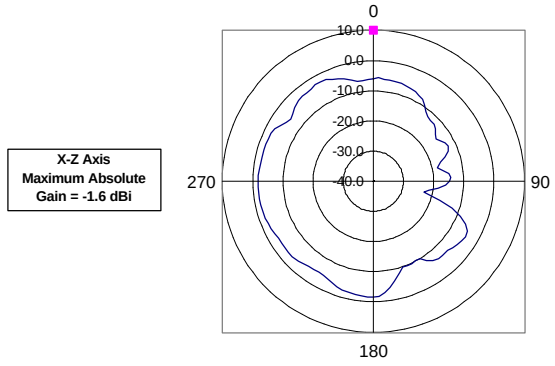
Rev 3.50
01/11/01

EUT:	Serial Number:	Job Number:	Date:
700-0002	1A0	NEXC0009	01/18/01
Manufacturer:	Test Engineer:	Job Site:	
NextComm, Inc	Rod Peloquin	EV01	
Customer Reference Number:	Software:	Power:	

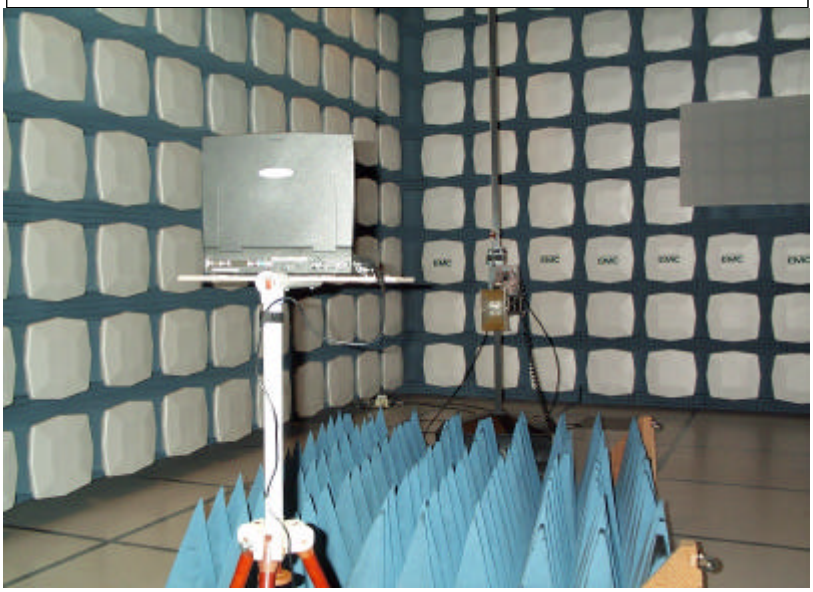
Comments: Antenna '1', X - Z, Elevation Polar Plot, Phi = 0 degrees, Card installed in PC with AC adapter, 0 degrees=front of PC, RBW 3MHz/VBW 3KHz, Span 20MHz

Temperature (°C):	% Humidity:
18	34

Antenna Polar Plot



X-Z Axis
Maximum Absolute Gain = -1.6 dBi



Frequency (MHz)	Table Azimuth (degrees)	Relative Gain (dBuV/m)		Maximum Absolute Gain (dBi)
2442.0	0.0	69.7	-6.1	-1.6
2442.0	2.0	70.0	-5.8	
2442.0	5.0	69.7	-6.0	
2442.0	8.0	69.5	-6.2	
2442.0	12.0	69.4	-6.3	
2442.0	14.0	69.4	-6.4	
2442.0	18.0	69.3	-6.5	
2442.0	21.0	68.9	-6.9	
2442.0	24.0	68.6	-7.1	
2442.0	27.0	68.0	-7.7	
2442.0	30.0	67.2	-8.5	
2442.0	33.0	66.1	-9.6	
2442.0	37.0	64.6	-11.1	
2442.0	40.0	63.6	-12.1	
2442.0	43.0	63.2	-12.6	
2442.0	46.0	63.2	-12.5	
2442.0	49.0	62.6	-13.1	
2442.0	52.0	61.4	-14.3	
2442.0	56.0	60.7	-15.1	
2442.0	59.0	61.5	-14.3	
2442.0	62.0	62.6	-13.2	
2442.0	65.0	63.0	-12.8	
2442.0	68.0	62.3	-13.4	
2442.0	71.0	60.8	-15.0	
2442.0	74.0	58.9	-16.9	
2442.0	78.0	57.4	-18.4	

Frequency (MHz)	Table Azimuth (degrees)	Relative Gain (dBuV/m)		Maximum Absolute Gain (dBi)
2442.0	81.0	58.8	-17.0	
2442.0	84.0	60.9	-14.9	
2442.0	87.0	61.3	-14.4	
2442.0	90.0	60.9	-14.8	
2442.0	94.0	59.6	-16.2	
2442.0	97.0	57.4	-18.3	
2442.0	100.0	54.3	-21.5	
2442.0	103.0	52.9	-22.8	
2442.0	106.0	58.6	-17.2	
2442.0	109.0	63.3	-12.5	
2442.0	112.0	66.9	-8.9	
2442.0	116.0	69.5	-6.3	
2442.0	119.0	70.8	-4.9	
2442.0	122.0	71.3	-4.4	
2442.0	125.0	71.2	-4.6	
2442.0	128.0	70.6	-5.2	
2442.0	131.0	70.0	-5.8	
2442.0	134.0	69.4	-6.4	
2442.0	138.0	69.2	-6.5	
2442.0	141.0	69.2	-6.6	
2442.0	144.0	68.6	-7.1	
2442.0	147.0	67.3	-8.4	
2442.0	150.0	65.7	-10.1	
2442.0	153.0	65.4	-10.3	
2442.0	157.0	65.8	-9.9	
2442.0	160.0	65.8	-9.9	
2442.0	163.0	65.9	-9.9	
2442.0	166.0	67.3	-8.4	
2442.0	169.0	69.5	-6.3	
2442.0	172.0	71.3	-4.4	
2442.0	175.0	72.8	-3.0	
2442.0	178.0	73.8	-2.0	
2442.0	182.0	74.2	-1.6	
2442.0	185.0	74.0	-1.8	
2442.0	188.0	73.8	-2.0	
2442.0	191.0	73.6	-2.2	
2442.0	194.0	73.4	-2.3	
2442.0	197.0	73.2	-2.6	
2442.0	201.0	72.7	-3.0	
2442.0	204.0	72.1	-3.7	
2442.0	207.0	71.4	-4.3	
2442.0	210.0	71.0	-4.7	
2442.0	213.0	70.9	-4.8	
2442.0	216.0	71.0	-4.7	
2442.0	220.0	71.1	-4.6	
2442.0	223.0	71.4	-4.3	
2442.0	226.0	71.9	-3.8	
2442.0	229.0	72.3	-3.4	
2442.0	232.0	72.4	-3.3	
2442.0	235.0	72.4	-3.4	
2442.0	238.0	72.4	-3.4	
2442.0	242.0	72.3	-3.4	
2442.0	245.0	72.6	-3.2	
2442.0	248.0	72.9	-2.8	
2442.0	251.0	73.3	-2.5	
2442.0	254.0	73.6	-2.2	
2442.0	257.0	73.7	-2.0	
2442.0	261.0	73.9	-1.9	
2442.0	264.0	73.9	-1.8	
2442.0	267.0	73.9	-1.9	
2442.0	270.0	73.8	-1.9	
2442.0	273.0	73.9	-1.9	
2442.0	276.0	73.8	-2.0	
2442.0	279.0	73.6	-2.1	
2442.0	283.0	73.5	-2.3	
2442.0	286.0	73.4	-2.4	
2442.0	289.0	73.4	-2.3	
2442.0	292.0	73.4	-2.4	
2442.0	295.0	73.3	-2.5	
2442.0	298.0	73.1	-2.6	
2442.0	302.0	72.6	-3.2	
2442.0	305.0	71.6	-4.2	
2442.0	308.0	70.5	-5.2	
2442.0	311.0	69.8	-5.9	
2442.0	314.0	70.4	-5.3	
2442.0	317.0	71.3	-4.4	
2442.0	321.0	72.1	-3.7	
2442.0	324.0	72.4	-3.3	
2442.0	327.0	72.5	-3.3	
2442.0	330.0	72.6	-3.1	
2442.0	333.0	72.9	-2.8	
2442.0	336.0	73.1	-2.7	
2442.0	339.0	72.8	-3.0	
2442.0	343.0	72.1	-3.6	
2442.0	346.0	71.5	-4.2	
2442.0	349.0	71.0	-4.8	
2442.0	352.0	70.1	-5.7	
2442.0	355.0	69.2	-6.6	
2442.0	358.0	69.1	-6.6	
2442.0	359.0	69.4	-6.3	