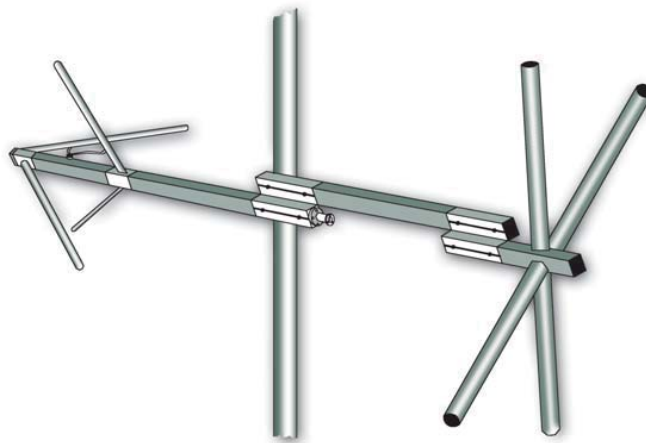


## 6 Bay TFC2K-D 98.1MHz

November 2015



### General data of antenna System

TX station	
Site Name	
System of coordinates	WGS84
Longitude	
Latitude	
Ground level a.s.l. (m)	1.0
Antenna system height (m)	20.0
Transmitter power(Watt)	1.000
Carrier wave frequency (MHz)	98.100
Antenna system central frequency (MHz)	98.100
Antenna base diagrams type 1	TFC2K-D
Polarization (H/V/C/X)	C
Transmitting cable attenuation (dB)	0.0
Additional attenuations(dB)	0.0
Base diagrams sectors (T = All, F = Front)	T
Velocity factor of cables to Antennas (0÷1)	1.00
Coordinate System(C = cartesian, P = polar)	P
Mast side / diameter(cm)	0.0
Mast cross section (T/Q/C)	Q
Structure rotation w.r.t. North (°)	0.0
Mast rotation w.r.t. North (°)	0.0

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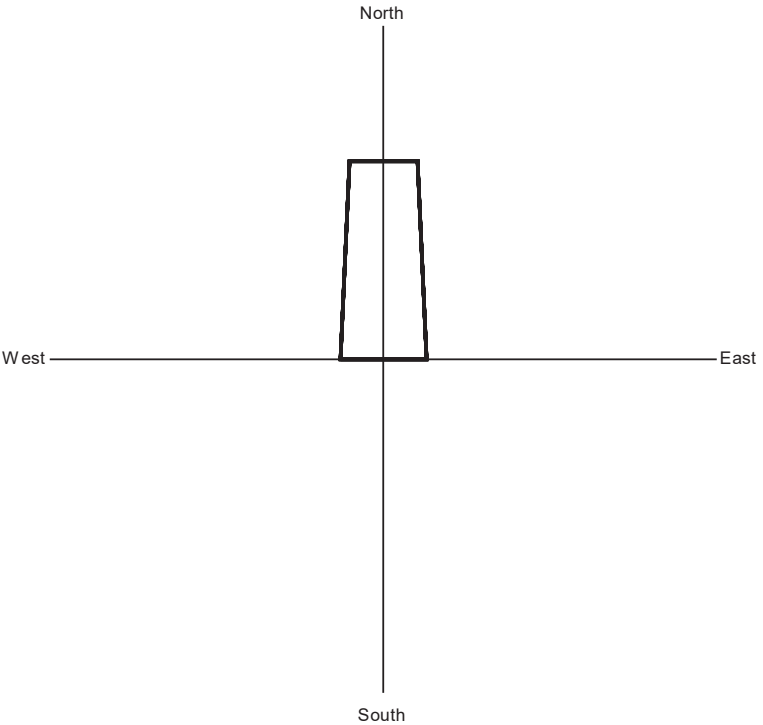
### Information about antennas used in the System

	Antenna
Manufacturer	Telecom
Antenna model	TFC2K-D
Band start(MHz)	87
Band stop(MHz)	108
diagrams Frequency(MHz)	98.10
Polariz (H/V/C/X)	C
Vertical dist (cm)	260
Height (cm)	95
Width (cm)	95
Thickness (cm)	220
Weight (Kg)	20
Maximum power (KW)	3
Gain (dBd)	-1.69
North E.C. (cm)	0
East E.C. (cm)	0
Return loss (dB)	0
R.C.Phase (°)	0

### Geometrical and electrical data of antenna System

	<i>Power (%)</i>	<i>Tilt (°)</i>	<i>Az. (°/N)</i>	<i>Phase (°)</i>	<i>V dist. (m)</i>	<i>Scr-d (cm)</i>	<i>Scr-Az (°/N)</i>	<i>Rot. (1÷4)</i>	<i>Type (1÷2)</i>	<i>L cables (cm)</i>	<i>Car. phase (°)</i>
1	16.667	0	0	0 +0.0	6.50	0.0	0.0	1	1	0.0	0.0
2	16.667	0	0	0 +0.0	3.90	0.0	0.0	1	1	0.0	0.0
3	16.667	0	0	0 +0.0	1.30	0.0	0.0	1	1	0.0	0.0
4	16.667	0	0	0 +0.0	-1.30	0.0	0.0	1	1	0.0	0.0
5	16.667	0	0	0 +0.0	-3.90	0.0	0.0	1	1	0.0	0.0
6	16.667	0	0	0 +0.0	-6.50	0.0	0.0	1	1	0.0	0.0

Plan of antenna system



Side of antenna system



## Antennas arrays data

**Note: calculation of single antennas arrays data (without taking into account mutual effects)**

A. Antennas array azimuth (°/N)	0
B. Number of antennas	6
C. Nominal power supply (W)	1.00
D. Losses (addit. + cables) (dB)	0.0
E. Effective power supply (W)	1.00
F. Theor. maximum gain (dBd)	6.09
G. Distribution losses (dB)	0.00
H. Nominal max gain F - G (dBd)	6.09
I. Compensation losses (dB)	0.52
J. Effec. max gain H - I (dBd)	5.57
K. Effec. max gain (times)	3.61
L. Effec. max power E * K (KW)	0.0036
M. Max power depr. angle (°)	0.6
N. Max power az. angle (°)	291

### Diagram in dBK calculated at horizon

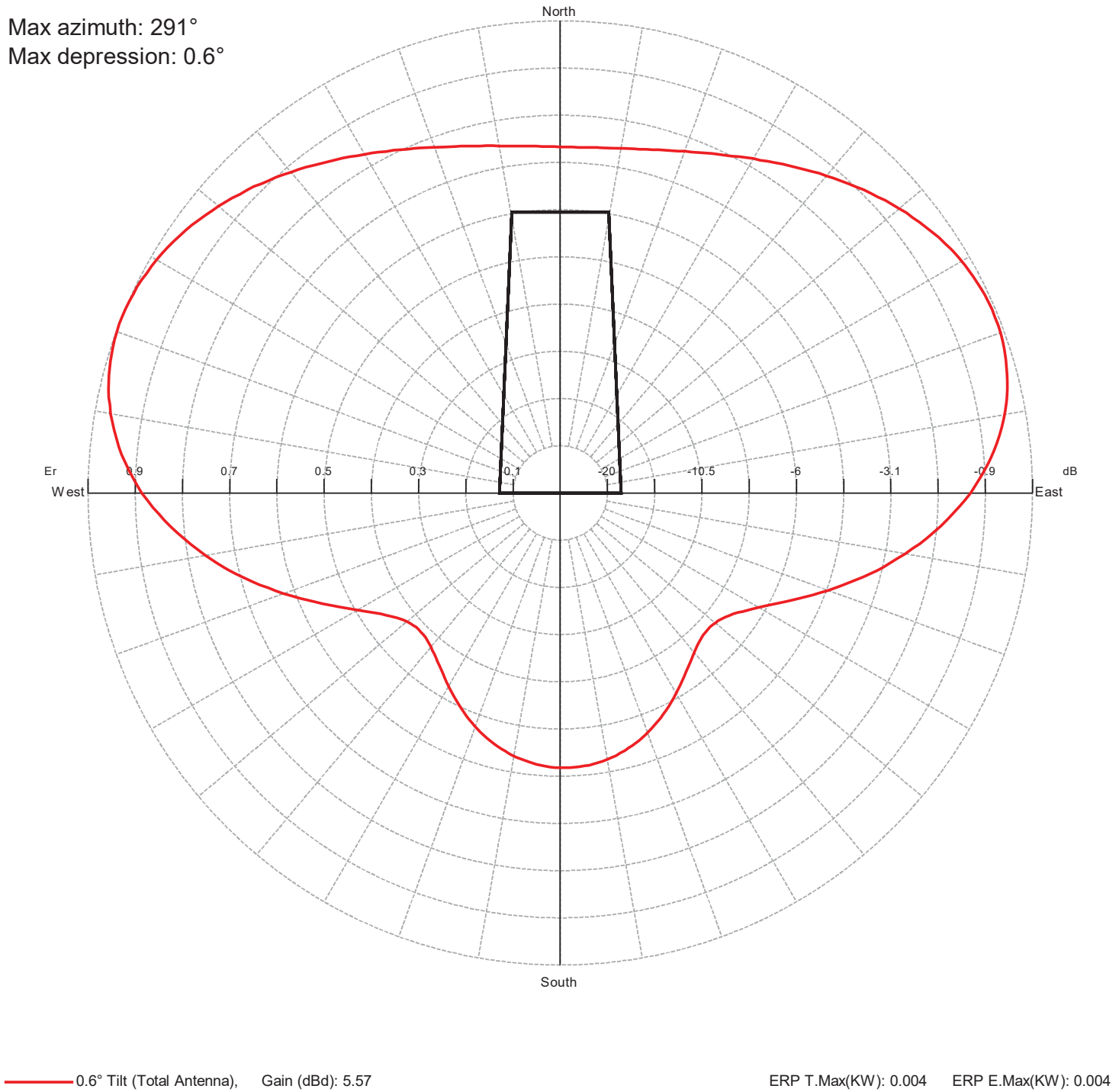
Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK
0	-27.2	90	-25.7	180	-29.1	270	-25.5
10	-27.1	100	-27.1	190	-29.4	280	-24.8
20	-26.7	110	-28.8	200	-30.0	290	-24.5
30	-26.2	120	-30.7	210	-30.9	300	-24.6
40	-25.6	130	-31.8	220	-31.9	310	-25.0
50	-25.0	140	-31.5	230	-31.9	320	-25.5
60	-24.6	150	-30.6	240	-30.5	330	-26.1
70	-24.5	160	-29.8	250	-28.6	340	-26.6
80	-24.9	170	-29.3	260	-26.8	350	-27.0

### Diagram in dBK calculated at horizon ( without -20dB's lower limit vs maximum power )

Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK
0	-27.2	90	-25.7	180	-29.1	270	-25.5
10	-27.1	100	-27.1	190	-29.4	280	-24.8
20	-26.7	110	-28.8	200	-30.0	290	-24.5
30	-26.2	120	-30.7	210	-30.9	300	-24.6
40	-25.6	130	-31.8	220	-31.9	310	-25.0
50	-25.0	140	-31.5	230	-31.9	320	-25.5
60	-24.6	150	-30.6	240	-30.5	330	-26.1
70	-24.5	160	-29.8	250	-28.6	340	-26.6
80	-24.9	170	-29.3	260	-26.8	350	-27.0

Horizontal diagram of Maxima

Max azimuth: 291°  
Max depression: 0.6°



## Horizontal diagram of Maxima

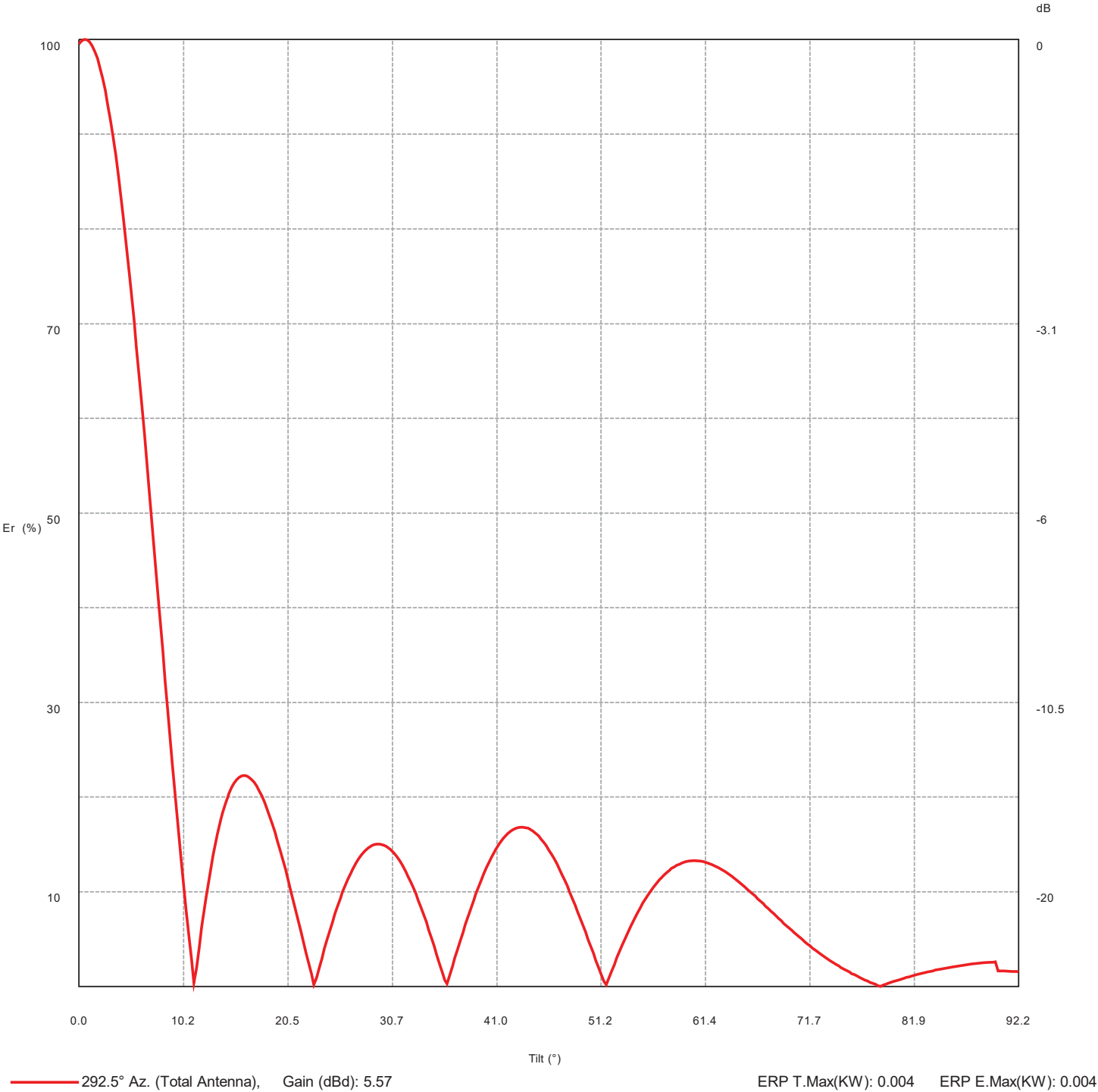
Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)
0.0	0.5	73.3	1.9	60.0	0.5	98.2	3.5	120.0	0.5	48.5	0.8
1.0	0.5	73.3	1.9	61.0	0.5	98.4	3.5	121.0	0.5	47.6	0.8
2.0	0.5	73.3	1.9	62.0	0.5	98.6	3.5	122.0	0.5	46.8	0.8
3.0	0.5	73.3	1.9	63.0	0.5	98.8	3.5	123.0	0.5	46.1	0.8
4.0	0.5	73.4	1.9	64.0	0.5	99.1	3.5	124.0	0.5	45.4	0.7
5.0	0.5	73.4	1.9	65.0	0.5	99.2	3.5	125.0	0.5	44.7	0.7
6.0	0.5	73.5	1.9	66.0	0.5	99.3	3.6	126.0	0.5	44.2	0.7
7.0	0.5	73.6	2.0	67.0	0.5	99.3	3.6	127.0	0.5	43.7	0.7
8.0	0.5	73.8	2.0	68.0	0.5	99.3	3.6	128.0	0.5	43.3	0.7
9.0	0.5	73.9	2.0	69.0	0.5	99.3	3.6	129.0	0.5	43.0	0.7
10.0	0.5	74.1	2.0	70.0	0.5	99.2	3.5	130.0	0.5	42.8	0.7
11.0	0.5	74.3	2.0	71.0	0.5	99.1	3.5	131.0	0.5	42.7	0.7
12.0	0.5	74.5	2.0	72.0	0.5	98.8	3.5	132.0	0.5	42.6	0.7
13.0	0.5	74.7	2.0	73.0	0.5	98.6	3.5	133.0	0.5	42.6	0.7
14.0	0.5	75.0	2.0	74.0	0.5	98.3	3.5	134.0	0.5	42.7	0.7
15.0	0.5	75.2	2.0	75.0	0.5	97.9	3.5	135.0	0.5	42.7	0.7
16.0	0.5	75.6	2.1	76.0	0.5	97.6	3.4	136.0	0.5	42.9	0.7
17.0	0.5	75.9	2.1	77.0	0.5	97.2	3.4	137.0	0.5	43.2	0.7
18.0	0.5	76.2	2.1	78.0	0.5	96.7	3.4	138.0	0.5	43.4	0.7
19.0	0.5	76.6	2.1	79.0	0.5	96.2	3.3	139.0	0.5	43.8	0.7
20.0	0.5	77.0	2.1	80.0	0.5	95.5	3.3	140.0	0.5	44.1	0.7
21.0	0.5	77.3	2.2	81.0	0.5	94.8	3.2	141.0	0.5	44.5	0.7
22.0	0.5	77.8	2.2	82.0	0.5	94.2	3.2	142.0	0.5	45.0	0.7
23.0	0.5	78.2	2.2	83.0	0.5	93.4	3.1	143.0	0.5	45.4	0.7
24.0	0.5	78.7	2.2	84.0	0.5	92.7	3.1	144.0	0.5	45.9	0.8
25.0	0.5	79.2	2.3	85.0	0.5	91.8	3.0	145.0	0.5	46.4	0.8
26.0	0.5	79.6	2.3	86.0	0.5	90.9	3.0	146.0	0.5	46.9	0.8
27.0	0.5	80.1	2.3	87.0	0.5	89.9	2.9	147.0	0.0	47.4	0.8
28.0	0.5	80.6	2.3	88.0	0.5	88.9	2.9	148.0	0.0	47.9	0.8
29.0	0.5	81.2	2.4	89.0	0.5	87.9	2.8	149.0	0.0	48.5	0.8
30.0	0.5	81.7	2.4	90.0	0.5	86.9	2.7	150.0	0.0	49.0	0.9
31.0	0.5	82.2	2.4	91.0	0.5	85.7	2.6	151.0	0.0	49.6	0.9
32.0	0.5	82.8	2.5	92.0	0.5	84.5	2.6	152.0	0.0	50.1	0.9
33.0	0.5	83.4	2.5	93.0	0.5	83.3	2.5	153.0	0.0	50.7	0.9
34.0	0.5	84.0	2.5	94.0	0.5	82.1	2.4	154.0	0.0	51.2	0.9
35.0	0.5	84.6	2.6	95.0	0.5	80.9	2.4	155.0	0.0	51.7	1.0
36.0	0.5	85.2	2.6	96.0	0.5	79.6	2.3	156.0	0.0	52.2	1.0
37.0	0.5	85.8	2.7	97.0	0.5	78.2	2.2	157.0	0.0	52.7	1.0
38.0	0.5	86.4	2.7	98.0	0.5	76.9	2.1	158.0	0.0	53.2	1.0
39.0	0.5	87.1	2.7	99.0	0.5	75.5	2.1	159.0	0.0	53.6	1.0
40.0	0.5	87.7	2.8	100.0	0.5	74.2	2.0	160.0	0.0	54.0	1.1
41.0	0.5	88.3	2.8	101.0	0.5	72.8	1.9	161.0	0.0	54.5	1.1
42.0	0.5	88.9	2.9	102.0	0.5	71.4	1.8	162.0	0.0	54.9	1.1
43.0	0.5	89.5	2.9	103.0	0.5	70.1	1.8	163.0	0.0	55.3	1.1
44.0	0.5	90.1	2.9	104.0	0.5	68.7	1.7	164.0	0.0	55.6	1.1
45.0	0.5	90.8	3.0	105.0	0.5	67.3	1.6	165.0	0.0	55.9	1.1
46.0	0.5	91.4	3.0	106.0	0.5	65.8	1.6	166.0	0.0	56.3	1.1
47.0	0.5	91.9	3.0	107.0	0.5	64.5	1.5	167.0	0.0	56.6	1.2
48.0	0.5	92.6	3.1	108.0	0.5	63.0	1.4	168.0	0.0	56.9	1.2
49.0	0.5	93.1	3.1	109.0	0.5	61.7	1.4	169.0	0.0	57.1	1.2
50.0	0.5	93.6	3.2	110.0	0.5	60.3	1.3	170.0	0.0	57.3	1.2
51.0	0.5	94.3	3.2	111.0	0.5	58.9	1.3	171.0	0.0	57.5	1.2
52.0	0.5	94.7	3.2	112.0	0.5	57.6	1.2	172.0	0.0	57.7	1.2
53.0	0.5	95.3	3.3	113.0	0.5	56.4	1.1	173.0	0.0	57.8	1.2
54.0	0.5	95.7	3.3	114.0	0.5	55.1	1.1	174.0	0.0	58.0	1.2
55.0	0.5	96.3	3.3	115.0	0.5	53.9	1.0	175.0	0.0	58.1	1.2
56.0	0.5	96.7	3.4	116.0	0.5	52.7	1.0	176.0	0.0	58.1	1.2
57.0	0.5	97.0	3.4	117.0	0.5	51.6	1.0	177.0	0.0	58.2	1.2
58.0	0.5	97.5	3.4	118.0	0.5	50.5	0.9	178.0	0.0	58.2	1.2
59.0	0.5	97.8	3.5	119.0	0.5	49.5	0.9	179.0	0.0	58.2	1.2

## Horizontal diagram of Maxima

Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)
180.0	0.0	58.2	1.2	240.0	0.5	49.6	0.9	300.0	0.5	98.7	3.5
181.0	0.0	58.2	1.2	241.0	0.5	50.7	0.9	301.0	0.5	98.4	3.5
182.0	0.0	58.1	1.2	242.0	0.5	51.8	1.0	302.0	0.5	98.1	3.5
183.0	0.0	57.9	1.2	243.0	0.5	53.0	1.0	303.0	0.5	97.7	3.4
184.0	0.0	57.9	1.2	244.0	0.5	54.3	1.1	304.0	0.5	97.3	3.4
185.0	0.0	57.7	1.2	245.0	0.5	55.5	1.1	305.0	0.5	96.9	3.4
186.0	0.0	57.5	1.2	246.0	0.5	56.8	1.2	306.0	0.5	96.5	3.4
187.0	0.0	57.3	1.2	247.0	0.5	58.1	1.2	307.0	0.5	95.9	3.3
188.0	0.0	57.1	1.2	248.0	0.5	59.5	1.3	308.0	0.5	95.5	3.3
189.0	0.0	56.9	1.2	249.0	0.5	60.9	1.3	309.0	0.5	94.9	3.3
190.0	0.0	56.6	1.2	250.0	0.5	62.3	1.4	310.0	0.5	94.5	3.2
191.0	0.0	56.3	1.1	251.0	0.5	63.7	1.5	311.0	0.5	94.0	3.2
192.0	0.0	56.0	1.1	252.0	0.5	65.1	1.5	312.0	0.5	93.4	3.1
193.0	0.0	55.6	1.1	253.0	0.5	66.6	1.6	313.0	0.5	92.8	3.1
194.0	0.0	55.3	1.1	254.0	0.5	68.0	1.7	314.0	0.5	92.2	3.1
195.0	0.0	54.9	1.1	255.0	0.5	69.4	1.7	315.0	0.5	91.7	3.0
196.0	0.0	54.5	1.1	256.0	0.5	70.8	1.8	316.0	0.5	91.1	3.0
197.0	0.0	54.0	1.1	257.0	0.5	72.2	1.9	317.0	0.5	90.5	3.0
198.0	0.0	53.6	1.0	258.0	0.5	73.5	1.9	318.0	0.5	89.9	2.9
199.0	0.0	53.2	1.0	259.0	0.5	74.9	2.0	319.0	0.5	89.3	2.9
200.0	0.0	52.7	1.0	260.0	0.5	76.3	2.1	320.0	0.5	88.7	2.8
201.0	0.0	52.2	1.0	261.0	0.5	77.6	2.2	321.0	0.5	88.1	2.8
202.0	0.0	51.7	1.0	262.0	0.5	78.9	2.2	322.0	0.5	87.5	2.8
203.0	0.0	51.1	0.9	263.0	0.5	80.2	2.3	323.0	0.5	86.9	2.7
204.0	0.0	50.6	0.9	264.0	0.5	81.5	2.4	324.0	0.5	86.3	2.7
205.0	0.0	50.1	0.9	265.0	0.5	82.7	2.5	325.0	0.5	85.7	2.6
206.0	0.0	49.5	0.9	266.0	0.5	84.0	2.5	326.0	0.5	85.1	2.6
207.0	0.0	49.0	0.9	267.0	0.5	85.2	2.6	327.0	0.5	84.5	2.6
208.0	0.0	48.4	0.8	268.0	0.5	86.4	2.7	328.0	0.5	83.9	2.5
209.0	0.0	47.9	0.8	269.0	0.5	87.5	2.8	329.0	0.5	83.4	2.5
210.0	0.0	47.3	0.8	270.0	0.5	88.6	2.8	330.0	0.5	82.8	2.5
211.0	0.0	46.7	0.8	271.0	0.5	89.6	2.9	331.0	0.5	82.3	2.4
212.0	0.0	46.2	0.8	272.0	0.5	90.6	3.0	332.0	0.5	81.7	2.4
213.0	0.5	45.6	0.8	273.0	0.5	91.5	3.0	333.0	0.5	81.2	2.4
214.0	0.5	45.1	0.7	274.0	0.5	92.4	3.1	334.0	0.5	80.7	2.3
215.0	0.5	44.6	0.7	275.0	0.5	93.2	3.1	335.0	0.5	80.2	2.3
216.0	0.5	44.2	0.7	276.0	0.5	94.0	3.2	336.0	0.5	79.7	2.3
217.0	0.5	43.7	0.7	277.0	0.5	94.7	3.2	337.0	0.5	79.2	2.3
218.0	0.5	43.3	0.7	278.0	0.5	95.4	3.3	338.0	0.5	78.8	2.2
219.0	0.5	42.9	0.7	279.0	0.5	96.0	3.3	339.0	0.5	78.3	2.2
220.0	0.5	42.6	0.7	280.0	0.5	96.7	3.4	340.0	0.5	77.9	2.2
221.0	0.5	42.3	0.6	281.0	0.5	97.2	3.4	341.0	0.5	77.5	2.2
222.0	0.5	42.0	0.6	282.0	0.5	97.7	3.4	342.0	0.5	77.1	2.1
223.0	0.5	41.9	0.6	283.0	0.5	98.2	3.5	343.0	0.5	76.7	2.1
224.0	0.5	41.7	0.6	284.0	0.5	98.5	3.5	344.0	0.5	76.4	2.1
225.0	0.5	41.7	0.6	285.0	0.5	98.8	3.5	345.0	0.5	76.0	2.1
226.0	0.5	41.6	0.6	286.0	0.5	99.2	3.5	346.0	0.5	75.7	2.1
227.0	0.5	41.7	0.6	287.0	0.5	99.4	3.6	347.0	0.5	75.4	2.1
228.0	0.5	41.9	0.6	288.0	0.5	99.6	3.6	348.0	0.5	75.2	2.0
229.0	0.5	42.1	0.6	289.0	0.5	99.8	3.6	349.0	0.5	74.9	2.0
230.0	0.5	42.4	0.6	290.0	0.5	99.9	3.6	350.0	0.5	74.6	2.0
231.0	0.5	42.8	0.7	291.0	0.6	100.0	3.6	351.0	0.5	74.4	2.0
232.0	0.5	43.2	0.7	292.0	0.5	100.0	3.6	352.0	0.5	74.2	2.0
233.0	0.5	43.8	0.7	293.0	0.5	100.0	3.6	353.0	0.5	74.0	2.0
234.0	0.5	44.4	0.7	294.0	0.5	99.9	3.6	354.0	0.5	73.9	2.0
235.0	0.5	45.1	0.7	295.0	0.5	99.8	3.6	355.0	0.5	73.7	2.0
236.0	0.5	45.8	0.8	296.0	0.5	99.6	3.6	356.0	0.5	73.6	2.0
237.0	0.5	46.7	0.8	297.0	0.5	99.4	3.6	357.0	0.5	73.4	1.9
238.0	0.5	47.6	0.8	298.0	0.5	99.2	3.5	358.0	0.5	73.4	1.9
239.0	0.5	48.6	0.9	299.0	0.5	99.0	3.5	359.0	0.5	73.4	1.9



Vertical diagram at an azimuth of 292.5°



### Vertical diagram at an azimuth of 292.5°

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
0.0	99.6	3.6	15.4	21.7	0.2	30.7	14.3	0.1
0.3	99.9	3.6	15.6	22.0	0.2	31.0	13.9	0.1
0.5	100.0	3.6	15.9	22.2	0.2	31.2	13.6	0.1
0.8	100.0	3.6	16.1	22.3	0.2	31.5	13.2	0.1
1.0	99.8	3.6	16.4	22.2	0.2	31.7	12.7	0.1
1.3	99.3	3.6	16.6	22.1	0.2	32.0	12.2	0.1
1.5	98.7	3.5	16.9	21.9	0.2	32.3	11.7	0.0
1.8	98.0	3.5	17.2	21.6	0.2	32.5	11.1	0.0
2.0	97.0	3.4	17.4	21.2	0.2	32.8	10.4	0.0
2.3	95.9	3.3	17.7	20.7	0.2	33.0	9.8	0.0
2.6	94.6	3.2	17.9	20.1	0.1	33.3	9.1	0.0
2.8	93.2	3.1	18.2	19.5	0.1	33.5	8.3	0.0
3.1	91.5	3.0	18.4	18.8	0.1	33.8	7.6	0.0
3.3	89.7	2.9	18.7	18.0	0.1	34.0	6.8	0.0
3.6	87.8	2.8	18.9	17.1	0.1	34.3	5.9	0.0
3.8	85.7	2.6	19.2	16.3	0.1	34.6	5.1	0.0
4.1	83.5	2.5	19.5	15.4	0.1	34.8	4.2	0.0
4.4	81.1	2.4	19.7	14.4	0.1	35.1	3.4	0.0
4.6	78.6	2.2	20.0	13.4	0.1	35.3	2.5	0.0
4.9	76.0	2.1	20.2	12.4	0.1	35.6	1.6	0.0
5.1	73.2	1.9	20.5	11.3	0.0	35.8	0.6	0.0
5.4	70.4	1.8	20.7	10.2	0.0	36.1	0.3	0.0
5.6	67.5	1.6	21.0	9.1	0.0	36.4	1.2	0.0
5.9	64.5	1.5	21.2	8.0	0.0	36.6	2.1	0.0
6.1	61.4	1.4	21.5	6.9	0.0	36.9	3.0	0.0
6.4	58.3	1.2	21.8	5.7	0.0	37.1	3.9	0.0
6.7	55.1	1.1	22.0	4.6	0.0	37.4	4.8	0.0
6.9	51.9	1.0	22.3	3.5	0.0	37.6	5.7	0.0
7.2	48.6	0.9	22.5	2.4	0.0	37.9	6.5	0.0
7.4	45.3	0.7	22.8	1.3	0.0	38.1	7.4	0.0
7.7	42.0	0.6	23.0	0.2	0.0	38.4	8.2	0.0
7.9	38.8	0.5	23.3	0.9	0.0	38.7	9.0	0.0
8.2	35.5	0.5	23.6	1.9	0.0	38.9	9.8	0.0
8.4	32.2	0.4	23.8	3.0	0.0	39.2	10.5	0.0
8.7	29.0	0.3	24.1	4.0	0.0	39.4	11.2	0.0
9.0	25.8	0.2	24.3	4.9	0.0	39.7	11.9	0.1
9.2	22.7	0.2	24.6	5.9	0.0	39.9	12.5	0.1
9.5	19.6	0.1	24.8	6.8	0.0	40.2	13.1	0.1
9.7	16.6	0.1	25.1	7.6	0.0	40.4	13.7	0.1
10.0	13.6	0.1	25.3	8.5	0.0	40.7	14.2	0.1
10.2	10.8	0.0	25.6	9.3	0.0	41.0	14.6	0.1
10.5	8.0	0.0	25.9	10.0	0.0	41.2	15.1	0.1
10.8	5.4	0.0	26.1	10.7	0.0	41.5	15.5	0.1
11.0	2.8	0.0	26.4	11.3	0.0	41.7	15.8	0.1
11.3	0.4	0.0	26.6	11.9	0.1	42.0	16.1	0.1
11.5	2.0	0.0	26.9	12.5	0.1	42.2	16.3	0.1
11.8	4.2	0.0	27.1	13.0	0.1	42.5	16.5	0.1
12.0	6.3	0.0	27.4	13.4	0.1	42.8	16.7	0.1
12.3	8.2	0.0	27.6	13.8	0.1	43.0	16.8	0.1
12.5	10.1	0.0	27.9	14.2	0.1	43.3	16.8	0.1
12.8	11.8	0.0	28.2	14.4	0.1	43.5	16.8	0.1
13.1	13.3	0.1	28.4	14.7	0.1	43.8	16.8	0.1
13.3	14.8	0.1	28.7	14.8	0.1	44.0	16.7	0.1
13.6	16.1	0.1	28.9	15.0	0.1	44.3	16.5	0.1
13.8	17.3	0.1	29.2	15.0	0.1	44.5	16.4	0.1
14.1	18.3	0.1	29.4	15.0	0.1	44.8	16.1	0.1
14.3	19.3	0.1	29.7	15.0	0.1	45.1	15.9	0.1
14.6	20.1	0.1	30.0	14.9	0.1	45.3	15.6	0.1
14.8	20.7	0.2	30.2	14.7	0.1	45.6	15.2	0.1
15.1	21.3	0.2	30.5	14.5	0.1	45.8	14.8	0.1

### Vertical diagram at an azimuth of 292.5°

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
46.1	14.4	0.1	61.4	13.1	0.1	76.8	0.8	0.0
46.3	14.0	0.1	61.7	13.0	0.1	77.1	0.7	0.0
46.6	13.5	0.1	62.0	12.9	0.1	77.3	0.6	0.0
46.8	12.9	0.1	62.2	12.8	0.1	77.6	0.4	0.0
47.1	12.4	0.1	62.5	12.7	0.1	77.8	0.3	0.0
47.4	11.8	0.1	62.7	12.5	0.1	78.1	0.2	0.0
47.6	11.2	0.0	63.0	12.4	0.1	78.3	0.1	0.0
47.9	10.6	0.0	63.2	12.2	0.1	78.6	0.0	0.0
48.1	9.9	0.0	63.5	12.0	0.1	78.8	0.1	0.0
48.4	9.3	0.0	63.7	11.8	0.1	79.1	0.2	0.0
48.6	8.6	0.0	64.0	11.6	0.0	79.4	0.3	0.0
48.9	7.9	0.0	64.3	11.4	0.0	79.6	0.4	0.0
49.2	7.2	0.0	64.5	11.2	0.0	79.9	0.5	0.0
49.4	6.4	0.0	64.8	11.0	0.0	80.1	0.6	0.0
49.7	5.7	0.0	65.0	10.7	0.0	80.4	0.7	0.0
49.9	5.0	0.0	65.3	10.5	0.0	80.6	0.8	0.0
50.2	4.2	0.0	65.5	10.3	0.0	80.9	0.9	0.0
50.4	3.5	0.0	65.8	10.0	0.0	81.2	0.9	0.0
50.7	2.7	0.0	66.0	9.8	0.0	81.4	1.0	0.0
50.9	2.0	0.0	66.3	9.5	0.0	81.7	1.1	0.0
51.2	1.3	0.0	66.6	9.3	0.0	81.9	1.2	0.0
51.5	0.5	0.0	66.8	9.0	0.0	82.2	1.2	0.0
51.7	0.2	0.0	67.1	8.7	0.0	82.4	1.3	0.0
52.0	0.9	0.0	67.3	8.5	0.0	82.7	1.4	0.0
52.2	1.6	0.0	67.6	8.2	0.0	82.9	1.5	0.0
52.5	2.3	0.0	67.8	8.0	0.0	83.2	1.5	0.0
52.7	3.0	0.0	68.1	7.7	0.0	83.5	1.6	0.0
53.0	3.7	0.0	68.4	7.4	0.0	83.7	1.6	0.0
53.2	4.3	0.0	68.6	7.2	0.0	84.0	1.7	0.0
53.5	4.9	0.0	68.9	6.9	0.0	84.2	1.8	0.0
53.8	5.6	0.0	69.1	6.7	0.0	84.5	1.8	0.0
54.0	6.1	0.0	69.4	6.4	0.0	84.7	1.9	0.0
54.3	6.7	0.0	69.6	6.2	0.0	85.0	1.9	0.0
54.5	7.3	0.0	69.9	5.9	0.0	85.2	2.0	0.0
54.8	7.8	0.0	70.1	5.7	0.0	85.5	2.0	0.0
55.0	8.3	0.0	70.4	5.4	0.0	85.8	2.1	0.0
55.3	8.8	0.0	70.7	5.2	0.0	86.0	2.1	0.0
55.6	9.2	0.0	70.9	4.9	0.0	86.3	2.2	0.0
55.8	9.7	0.0	71.2	4.7	0.0	86.5	2.2	0.0
56.1	10.1	0.0	71.4	4.5	0.0	86.8	2.3	0.0
56.3	10.5	0.0	71.7	4.3	0.0	87.0	2.3	0.0
56.6	10.8	0.0	71.9	4.1	0.0	87.3	2.3	0.0
56.8	11.2	0.0	72.2	3.8	0.0	87.6	2.4	0.0
57.1	11.5	0.0	72.4	3.6	0.0	87.8	2.4	0.0
57.3	11.7	0.0	72.7	3.4	0.0	88.1	2.4	0.0
57.6	12.0	0.1	73.0	3.2	0.0	88.3	2.5	0.0
57.9	12.2	0.1	73.2	3.0	0.0	88.6	2.5	0.0
58.1	12.4	0.1	73.5	2.8	0.0	88.8	2.5	0.0
58.4	12.6	0.1	73.7	2.7	0.0	89.1	2.5	0.0
58.6	12.8	0.1	74.0	2.5	0.0	89.3	2.5	0.0
58.9	12.9	0.1	74.2	2.3	0.0	89.6	2.6	0.0
59.1	13.0	0.1	74.5	2.1	0.0	89.9	2.6	0.0
59.4	13.1	0.1	74.8	2.0	0.0	90.1	1.6	0.0
59.6	13.2	0.1	75.0	1.8	0.0	90.4	1.6	0.0
59.9	13.2	0.1	75.3	1.7	0.0	90.6	1.6	0.0
60.2	13.3	0.1	75.5	1.5	0.0	90.9	1.6	0.0
60.4	13.3	0.1	75.8	1.4	0.0	91.1	1.6	0.0
60.7	13.3	0.1	76.0	1.2	0.0	91.4	1.6	0.0
60.9	13.2	0.1	76.3	1.1	0.0	91.6	1.6	0.0
61.2	13.2	0.1	76.5	0.9	0.0	91.9	1.6	0.0