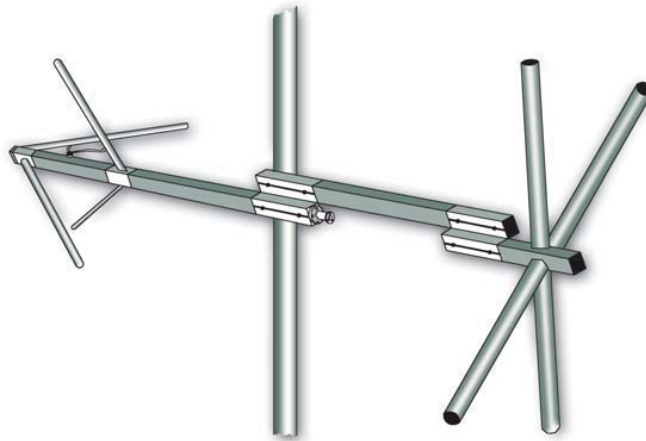


7 Bay TFC2K-D 98.1MHz

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

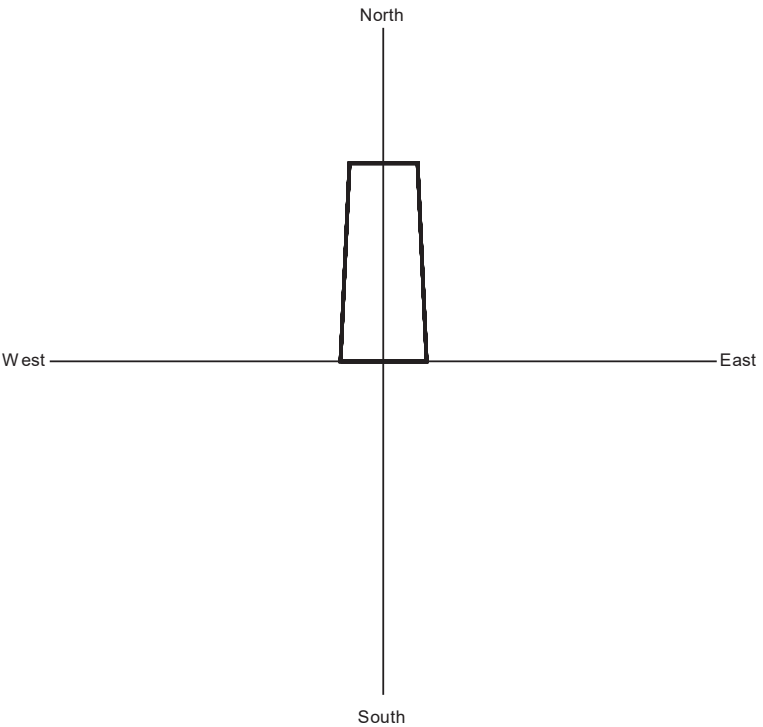
Information about antennas used in the System

	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

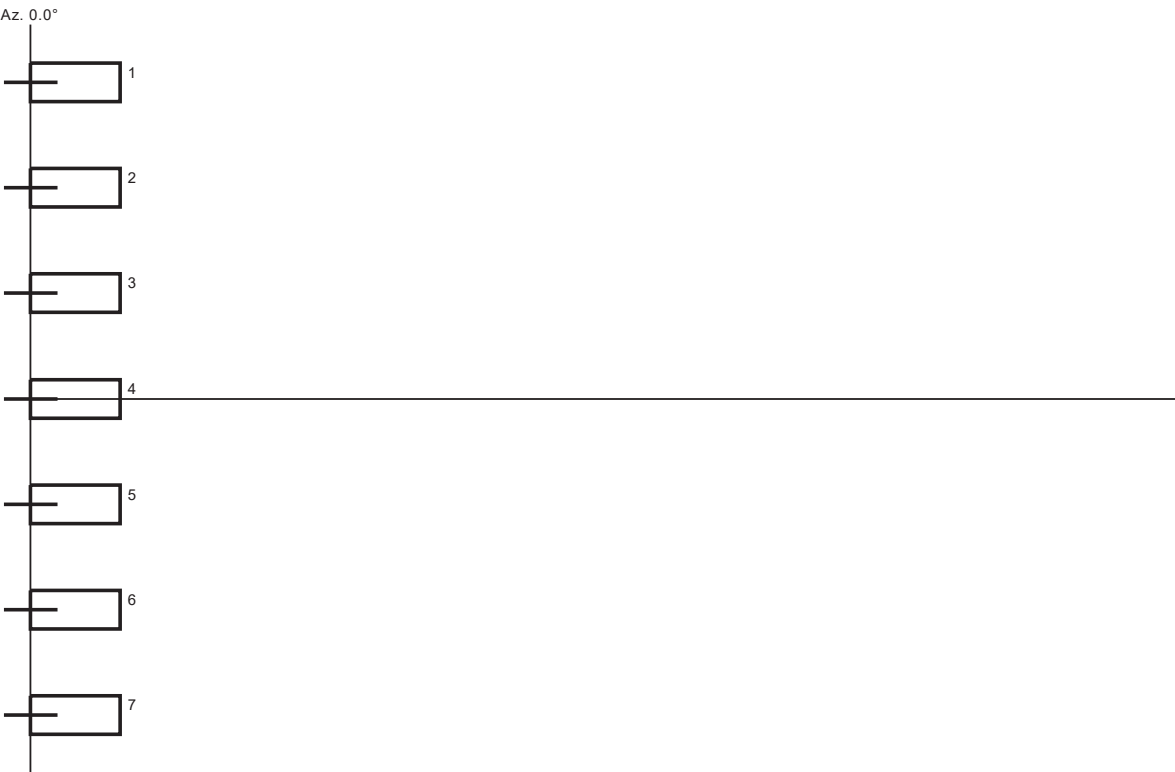
Geometrical and electrical data of antenna System

	<i>Power</i> (%)	<i>Tilt</i> (°)	<i>Az.</i> (°/N)	<i>Phase</i> (°)	<i>V dist.</i> (m)	<i>Scr-d</i> (cm)	<i>Scr-Az</i> (°/N)	<i>Rot.</i> (1÷4)	<i>Type</i> (1÷2)	<i>L cables</i> (cm)	<i>Car. phase</i> (°)
1	14.286	0	0	0 +0.0	7.80	0.0	0.0	1	1	0.0	0.0
2	14.286	0	0	0 +0.0	5.20	0.0	0.0	1	1	0.0	0.0
3	14.286	0	0	0 +0.0	2.60	0.0	0.0	1	1	0.0	0.0
4	14.286	0	0	0 +0.0	0.00	0.0	0.0	1	1	0.0	0.0
5	14.286	0	0	0 +0.0	-2.60	0.0	0.0	1	1	0.0	0.0
6	14.286	0	0	0 +0.0	-5.20	0.0	0.0	1	1	0.0	0.0
7	14.286	0	0	0 +0.0	-7.80	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	7
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)	6.76
G. Distribution losses (dB)	0.00
H. Nominal max gain F - G (dBd)	6.76
I. Compensation losses (dB)	0.53
J. Effec. max gain H - I (dBd)	6.23
K. Effec. max gain (times)	4.20
L. Effec. max power E * K (KW)	0.0042
M. Max power depr. angle (°)	0.4
N. Max power az. angle (°)	291

Diagram in dBK calculated at horizon

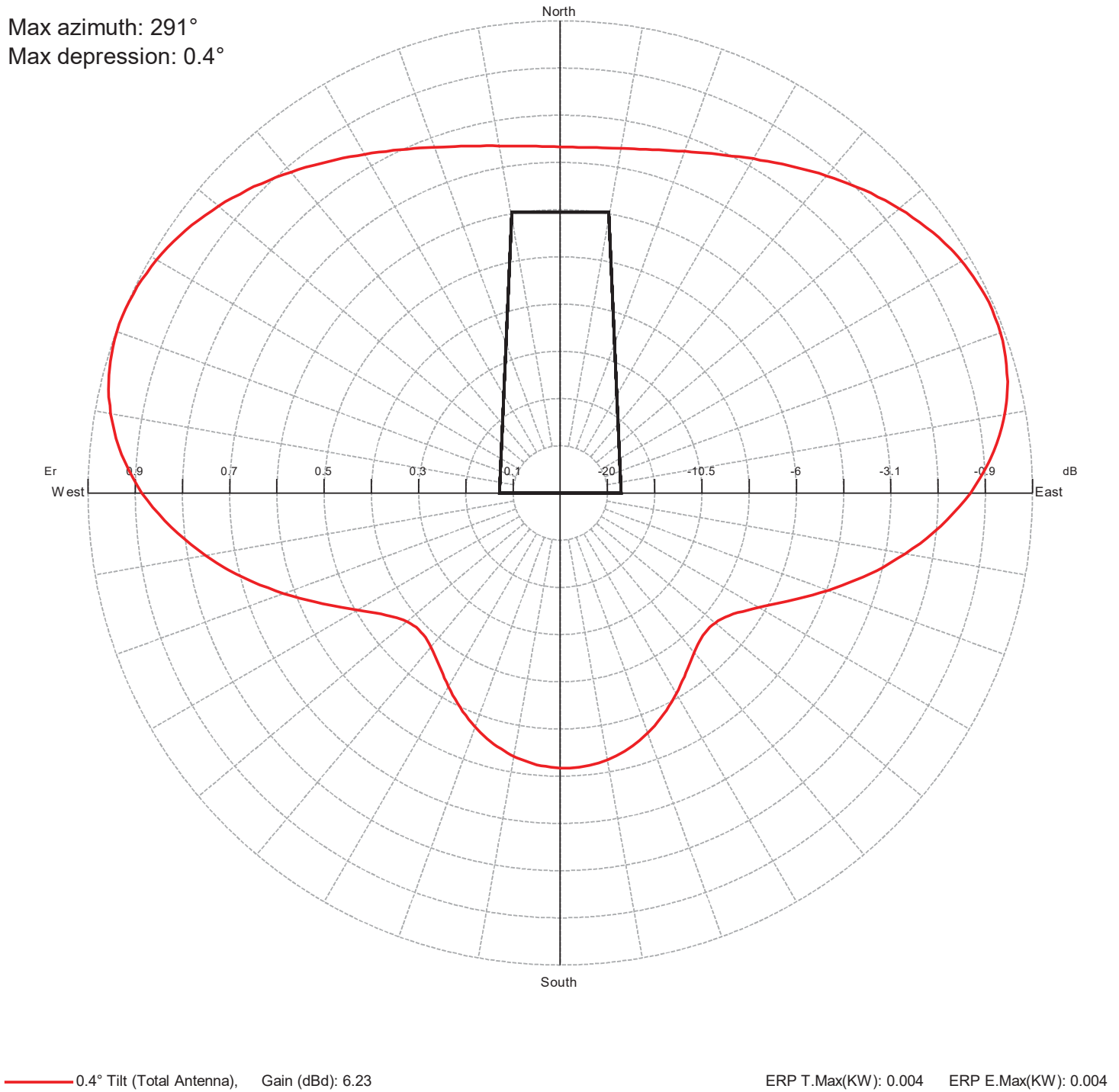
Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK
0	-26.5	90	-25.0	180	-28.5	270	-24.8
10	-26.4	100	-26.4	190	-28.7	280	-24.1
20	-26.1	110	-28.2	200	-29.3	290	-23.8
30	-25.5	120	-30.1	210	-30.3	300	-23.9
40	-24.9	130	-31.1	220	-31.2	310	-24.3
50	-24.4	140	-30.9	230	-31.2	320	-24.8
60	-24.0	150	-29.9	240	-29.9	330	-25.4
70	-23.9	160	-29.1	250	-27.9	340	-26.0
80	-24.2	170	-28.6	260	-26.1	350	-26.3

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	-26.5	90	-25.0	180	-28.5	270	-24.8
10	-26.4	100	-26.4	190	-28.7	280	-24.1
20	-26.1	110	-28.2	200	-29.3	290	-23.8
30	-25.5	120	-30.1	210	-30.3	300	-23.9
40	-24.9	130	-31.1	220	-31.2	310	-24.3
50	-24.4	140	-30.9	230	-31.2	320	-24.8
60	-24.0	150	-29.9	240	-29.9	330	-25.4
70	-23.9	160	-29.1	250	-27.9	340	-26.0
80	-24.2	170	-28.6	260	-26.1	350	-26.3

Horizontal diagram of Maxima

Max azimuth: 291°
Max depression: 0.4°



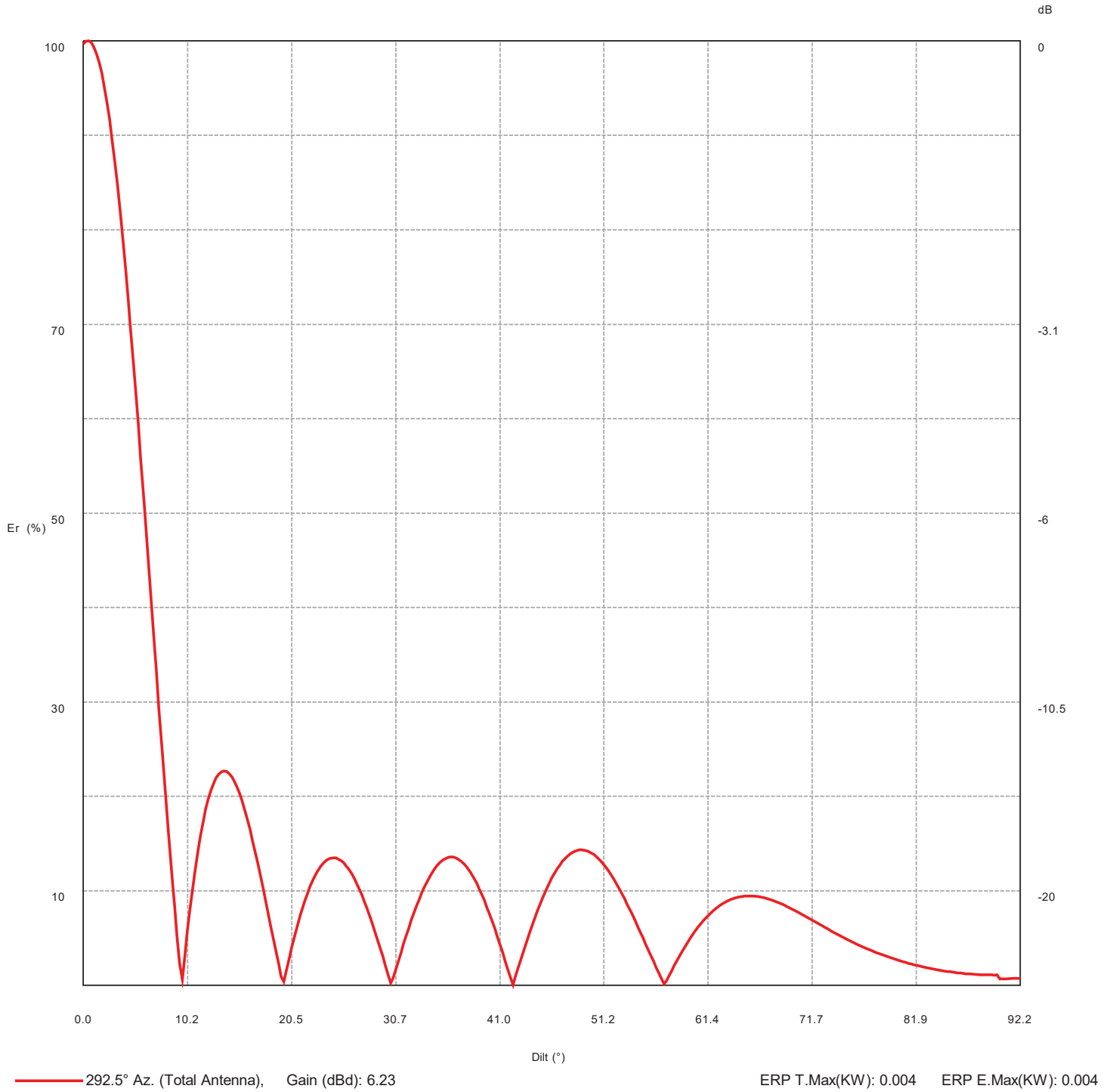
Horizontal diagram of Maxima

Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)
0.0	0.5	73.3	2.3	60.0	0.5	98.2	4.0	120.0	0.5	48.5	1.0
1.0	0.5	73.3	2.3	61.0	0.5	98.4	4.1	121.0	0.5	47.6	1.0
2.0	0.5	73.3	2.3	62.0	0.5	98.6	4.1	122.0	0.5	46.8	0.9
3.0	0.5	73.3	2.3	63.0	0.5	98.8	4.1	123.0	0.5	46.1	0.9
4.0	0.5	73.4	2.3	64.0	0.5	99.1	4.1	124.0	0.5	45.4	0.9
5.0	0.5	73.4	2.3	65.0	0.5	99.2	4.1	125.0	0.5	44.7	0.8
6.0	0.5	73.5	2.3	66.0	0.5	99.3	4.1	126.0	0.5	44.2	0.8
7.0	0.5	73.6	2.3	67.0	0.5	99.3	4.1	127.0	0.5	43.7	0.8
8.0	0.5	73.8	2.3	68.0	0.5	99.3	4.1	128.0	0.5	43.3	0.8
9.0	0.5	73.9	2.3	69.0	0.5	99.3	4.1	129.0	0.5	43.0	0.8
10.0	0.5	74.1	2.3	70.0	0.5	99.2	4.1	130.0	0.5	42.8	0.8
11.0	0.5	74.3	2.3	71.0	0.5	99.1	4.1	131.0	0.5	42.7	0.8
12.0	0.5	74.5	2.3	72.0	0.5	98.8	4.1	132.0	0.5	42.6	0.8
13.0	0.5	74.7	2.3	73.0	0.5	98.6	4.1	133.0	0.5	42.6	0.8
14.0	0.5	75.0	2.4	74.0	0.5	98.3	4.1	134.0	0.5	42.7	0.8
15.0	0.5	75.2	2.4	75.0	0.5	97.9	4.0	135.0	0.5	42.7	0.8
16.0	0.5	75.6	2.4	76.0	0.5	97.6	4.0	136.0	0.5	42.9	0.8
17.0	0.5	75.9	2.4	77.0	0.5	97.2	4.0	137.0	0.0	43.2	0.8
18.0	0.5	76.2	2.4	78.0	0.5	96.7	3.9	138.0	0.0	43.4	0.8
19.0	0.5	76.6	2.5	79.0	0.5	96.2	3.9	139.0	0.0	43.8	0.8
20.0	0.5	77.0	2.5	80.0	0.5	95.5	3.8	140.0	0.0	44.1	0.8
21.0	0.5	77.4	2.5	81.0	0.5	94.8	3.8	141.0	0.0	44.5	0.8
22.0	0.5	77.8	2.5	82.0	0.5	94.2	3.7	142.0	0.0	45.0	0.8
23.0	0.5	78.2	2.6	83.0	0.5	93.4	3.7	143.0	0.0	45.5	0.9
24.0	0.5	78.7	2.6	84.0	0.5	92.7	3.6	144.0	0.0	45.9	0.9
25.0	0.5	79.2	2.6	85.0	0.5	91.8	3.5	145.0	0.0	46.4	0.9
26.0	0.5	79.6	2.7	86.0	0.5	90.9	3.5	146.0	0.0	47.0	0.9
27.0	0.5	80.1	2.7	87.0	0.5	89.9	3.4	147.0	0.0	47.5	0.9
28.0	0.5	80.6	2.7	88.0	0.5	88.9	3.3	148.0	0.0	48.0	1.0
29.0	0.5	81.2	2.8	89.0	0.5	87.9	3.2	149.0	0.0	48.5	1.0
30.0	0.5	81.7	2.8	90.0	0.5	86.9	3.2	150.0	0.0	49.1	1.0
31.0	0.5	82.2	2.8	91.0	0.5	85.7	3.1	151.0	0.0	49.7	1.0
32.0	0.5	82.8	2.9	92.0	0.5	84.5	3.0	152.0	0.0	50.2	1.1
33.0	0.5	83.4	2.9	93.0	0.5	83.3	2.9	153.0	0.0	50.7	1.1
34.0	0.5	84.0	3.0	94.0	0.5	82.1	2.8	154.0	0.0	51.2	1.1
35.0	0.5	84.6	3.0	95.0	0.5	80.9	2.7	155.0	0.0	51.8	1.1
36.0	0.5	85.2	3.0	96.0	0.5	79.6	2.7	156.0	0.0	52.2	1.1
37.0	0.5	85.8	3.1	97.0	0.5	78.2	2.6	157.0	0.0	52.8	1.2
38.0	0.5	86.4	3.1	98.0	0.5	76.9	2.5	158.0	0.0	53.2	1.2
39.0	0.5	87.1	3.2	99.0	0.5	75.5	2.4	159.0	0.0	53.7	1.2
40.0	0.5	87.7	3.2	100.0	0.5	74.2	2.3	160.0	0.0	54.1	1.2
41.0	0.5	88.3	3.3	101.0	0.5	72.8	2.2	161.0	0.0	54.5	1.2
42.0	0.5	88.9	3.3	102.0	0.5	71.4	2.1	162.0	0.0	54.9	1.3
43.0	0.5	89.5	3.4	103.0	0.5	70.1	2.1	163.0	0.0	55.4	1.3
44.0	0.5	90.2	3.4	104.0	0.5	68.7	2.0	164.0	0.0	55.7	1.3
45.0	0.5	90.8	3.5	105.0	0.5	67.3	1.9	165.0	0.0	56.0	1.3
46.0	0.5	91.4	3.5	106.0	0.5	65.8	1.8	166.0	0.0	56.3	1.3
47.0	0.5	91.9	3.5	107.0	0.5	64.5	1.7	167.0	0.0	56.6	1.3
48.0	0.5	92.6	3.6	108.0	0.5	63.0	1.7	168.0	0.0	56.9	1.4
49.0	0.5	93.1	3.6	109.0	0.5	61.7	1.6	169.0	0.0	57.2	1.4
50.0	0.5	93.6	3.7	110.0	0.5	60.3	1.5	170.0	0.0	57.4	1.4
51.0	0.5	94.3	3.7	111.0	0.5	58.9	1.5	171.0	0.0	57.6	1.4
52.0	0.5	94.7	3.8	112.0	0.5	57.6	1.4	172.0	0.0	57.7	1.4
53.0	0.5	95.3	3.8	113.0	0.5	56.4	1.3	173.0	0.0	57.9	1.4
54.0	0.5	95.7	3.8	114.0	0.5	55.1	1.3	174.0	0.0	58.0	1.4
55.0	0.5	96.3	3.9	115.0	0.5	53.9	1.2	175.0	0.0	58.1	1.4
56.0	0.5	96.7	3.9	116.0	0.5	52.7	1.2	176.0	0.0	58.2	1.4
57.0	0.5	97.0	4.0	117.0	0.5	51.6	1.1	177.0	0.0	58.3	1.4
58.0	0.5	97.5	4.0	118.0	0.5	50.5	1.1	178.0	0.0	58.3	1.4
59.0	0.5	97.8	4.0	119.0	0.5	49.5	1.0	179.0	0.0	58.3	1.4

Horizontal diagram of Maxima

Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)
180.0	0.0	58.3	1.4	240.0	0.5	49.6	1.0	300.0	0.5	98.7	4.1
181.0	0.0	58.2	1.4	241.0	0.5	50.7	1.1	301.0	0.5	98.4	4.1
182.0	0.0	58.2	1.4	242.0	0.5	51.8	1.1	302.0	0.5	98.1	4.0
183.0	0.0	58.0	1.4	243.0	0.5	53.0	1.2	303.0	0.5	97.7	4.0
184.0	0.0	57.9	1.4	244.0	0.5	54.3	1.2	304.0	0.5	97.3	4.0
185.0	0.0	57.8	1.4	245.0	0.5	55.5	1.3	305.0	0.5	96.9	3.9
186.0	0.0	57.6	1.4	246.0	0.5	56.8	1.4	306.0	0.5	96.5	3.9
187.0	0.0	57.4	1.4	247.0	0.5	58.2	1.4	307.0	0.5	95.9	3.9
188.0	0.0	57.2	1.4	248.0	0.5	59.5	1.5	308.0	0.5	95.5	3.8
189.0	0.0	56.9	1.4	249.0	0.5	60.9	1.6	309.0	0.5	94.9	3.8
190.0	0.0	56.7	1.3	250.0	0.5	62.3	1.6	310.0	0.5	94.5	3.7
191.0	0.0	56.4	1.3	251.0	0.5	63.7	1.7	311.0	0.5	94.0	3.7
192.0	0.0	56.0	1.3	252.0	0.5	65.1	1.8	312.0	0.5	93.4	3.7
193.0	0.0	55.7	1.3	253.0	0.5	66.6	1.9	313.0	0.5	92.8	3.6
194.0	0.0	55.3	1.3	254.0	0.5	68.0	1.9	314.0	0.5	92.3	3.6
195.0	0.0	55.0	1.3	255.0	0.5	69.4	2.0	315.0	0.5	91.7	3.5
196.0	0.0	54.6	1.2	256.0	0.5	70.8	2.1	316.0	0.5	91.1	3.5
197.0	0.0	54.1	1.2	257.0	0.5	72.2	2.2	317.0	0.5	90.5	3.4
198.0	0.0	53.7	1.2	258.0	0.5	73.5	2.3	318.0	0.5	89.9	3.4
199.0	0.0	53.2	1.2	259.0	0.5	74.9	2.4	319.0	0.5	89.3	3.3
200.0	0.0	52.8	1.2	260.0	0.5	76.3	2.4	320.0	0.5	88.7	3.3
201.0	0.0	52.2	1.1	261.0	0.5	77.6	2.5	321.0	0.5	88.1	3.3
202.0	0.0	51.7	1.1	262.0	0.5	78.9	2.6	322.0	0.5	87.5	3.2
203.0	0.0	51.2	1.1	263.0	0.5	80.2	2.7	323.0	0.5	86.9	3.2
204.0	0.0	50.7	1.1	264.0	0.5	81.5	2.8	324.0	0.5	86.3	3.1
205.0	0.0	50.1	1.1	265.0	0.5	82.7	2.9	325.0	0.5	85.7	3.1
206.0	0.0	49.6	1.0	266.0	0.5	84.0	3.0	326.0	0.5	85.1	3.0
207.0	0.0	49.0	1.0	267.0	0.5	85.2	3.0	327.0	0.5	84.5	3.0
208.0	0.0	48.5	1.0	268.0	0.5	86.4	3.1	328.0	0.5	83.9	3.0
209.0	0.0	47.9	1.0	269.0	0.5	87.5	3.2	329.0	0.5	83.4	2.9
210.0	0.0	47.4	0.9	270.0	0.5	88.6	3.3	330.0	0.5	82.8	2.9
211.0	0.0	46.8	0.9	271.0	0.5	89.6	3.4	331.0	0.5	82.3	2.8
212.0	0.0	46.3	0.9	272.0	0.5	90.6	3.4	332.0	0.5	81.7	2.8
213.0	0.0	45.7	0.9	273.0	0.5	91.5	3.5	333.0	0.5	81.2	2.8
214.0	0.0	45.2	0.9	274.0	0.5	92.4	3.6	334.0	0.5	80.7	2.7
215.0	0.0	44.7	0.8	275.0	0.5	93.2	3.6	335.0	0.5	80.2	2.7
216.0	0.0	44.2	0.8	276.0	0.5	94.0	3.7	336.0	0.5	79.7	2.7
217.0	0.0	43.8	0.8	277.0	0.5	94.7	3.8	337.0	0.5	79.2	2.6
218.0	0.0	43.3	0.8	278.0	0.5	95.4	3.8	338.0	0.5	78.8	2.6
219.0	0.0	43.0	0.8	279.0	0.5	96.0	3.9	339.0	0.5	78.3	2.6
220.0	0.0	42.6	0.8	280.0	0.5	96.7	3.9	340.0	0.5	77.9	2.5
221.0	0.0	42.3	0.8	281.0	0.5	97.2	4.0	341.0	0.5	77.5	2.5
222.0	0.0	42.0	0.7	282.0	0.5	97.7	4.0	342.0	0.5	77.1	2.5
223.0	0.0	41.9	0.7	283.0	0.5	98.2	4.0	343.0	0.5	76.7	2.5
224.0	0.5	41.7	0.7	284.0	0.5	98.5	4.1	344.0	0.5	76.4	2.4
225.0	0.5	41.7	0.7	285.0	0.5	98.8	4.1	345.0	0.5	76.0	2.4
226.0	0.5	41.6	0.7	286.0	0.5	99.2	4.1	346.0	0.5	75.7	2.4
227.0	0.5	41.7	0.7	287.0	0.5	99.4	4.1	347.0	0.5	75.4	2.4
228.0	0.5	41.9	0.7	288.0	0.5	99.6	4.2	348.0	0.5	75.2	2.4
229.0	0.5	42.1	0.7	289.0	0.5	99.8	4.2	349.0	0.5	74.9	2.4
230.0	0.5	42.4	0.8	290.0	0.5	99.9	4.2	350.0	0.5	74.6	2.3
231.0	0.5	42.8	0.8	291.0	0.4	100.0	4.2	351.0	0.5	74.4	2.3
232.0	0.5	43.2	0.8	292.0	0.5	100.0	4.2	352.0	0.5	74.2	2.3
233.0	0.5	43.8	0.8	293.0	0.5	100.0	4.2	353.0	0.5	74.0	2.3
234.0	0.5	44.4	0.8	294.0	0.5	99.9	4.2	354.0	0.5	73.9	2.3
235.0	0.5	45.1	0.9	295.0	0.5	99.8	4.2	355.0	0.5	73.7	2.3
236.0	0.5	45.8	0.9	296.0	0.5	99.6	4.2	356.0	0.5	73.6	2.3
237.0	0.5	46.7	0.9	297.0	0.5	99.4	4.1	357.0	0.5	73.4	2.3
238.0	0.5	47.6	0.9	298.0	0.5	99.2	4.1	358.0	0.5	73.4	2.3
239.0	0.5	48.6	1.0	299.0	0.5	99.0	4.1	359.0	0.5	73.4	2.3

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	99.7	4.2	15.4	20.3	0.2	30.7	1.6	0.0
0.3	100.0	4.2	15.6	19.4	0.2	31.0	2.6	0.0
0.5	100.0	4.2	15.9	18.5	0.1	31.2	3.5	0.0
0.8	99.8	4.2	16.1	17.5	0.1	31.5	4.3	0.0
1.0	99.4	4.1	16.4	16.5	0.1	31.7	5.2	0.0
1.3	98.7	4.1	16.6	15.3	0.1	32.0	6.1	0.0
1.5	97.8	4.0	16.9	14.1	0.1	32.3	6.9	0.0
1.8	96.6	3.9	17.2	12.9	0.1	32.5	7.7	0.0
2.0	95.2	3.8	17.4	11.6	0.1	32.8	8.4	0.0
2.3	93.6	3.7	17.7	10.3	0.0	33.0	9.1	0.0
2.6	91.7	3.5	17.9	8.9	0.0	33.3	9.8	0.0
2.8	89.7	3.4	18.2	7.6	0.0	33.5	10.4	0.0
3.1	87.4	3.2	18.4	6.2	0.0	33.8	11.0	0.1
3.3	84.9	3.0	18.7	4.9	0.0	34.0	11.5	0.1
3.6	82.3	2.8	18.9	3.5	0.0	34.3	11.9	0.1
3.8	79.5	2.7	19.2	2.2	0.0	34.6	12.3	0.1
4.1	76.5	2.5	19.5	0.9	0.0	34.8	12.7	0.1
4.4	73.3	2.3	19.7	0.4	0.0	35.1	13.0	0.1
4.6	70.1	2.1	20.0	1.6	0.0	35.3	13.2	0.1
4.9	66.7	1.9	20.2	2.8	0.0	35.6	13.4	0.1
5.1	63.2	1.7	20.5	4.0	0.0	35.8	13.5	0.1
5.4	59.6	1.5	20.7	5.1	0.0	36.1	13.6	0.1
5.6	55.9	1.3	21.0	6.1	0.0	36.4	13.6	0.1
5.9	52.2	1.1	21.2	7.1	0.0	36.6	13.5	0.1
6.1	48.4	1.0	21.5	8.0	0.0	36.9	13.3	0.1
6.4	44.6	0.8	21.8	8.9	0.0	37.1	13.2	0.1
6.7	40.8	0.7	22.0	9.7	0.0	37.4	12.9	0.1
6.9	37.0	0.6	22.3	10.4	0.0	37.6	12.6	0.1
7.2	33.2	0.5	22.5	11.0	0.1	37.9	12.2	0.1
7.4	29.4	0.4	22.8	11.6	0.1	38.1	11.8	0.1
7.7	25.7	0.3	23.0	12.1	0.1	38.4	11.3	0.1
7.9	22.1	0.2	23.3	12.5	0.1	38.7	10.8	0.0
8.2	18.5	0.1	23.6	12.9	0.1	38.9	10.3	0.0
8.4	15.0	0.1	23.8	13.1	0.1	39.2	9.6	0.0
8.7	11.6	0.1	24.1	13.3	0.1	39.4	9.0	0.0
9.0	8.4	0.0	24.3	13.5	0.1	39.7	8.3	0.0
9.2	5.2	0.0	24.6	13.5	0.1	39.9	7.6	0.0
9.5	2.2	0.0	24.8	13.5	0.1	40.2	6.8	0.0
9.7	0.6	0.0	25.1	13.4	0.1	40.4	6.0	0.0
10.0	3.3	0.0	25.3	13.2	0.1	40.7	5.2	0.0
10.2	5.8	0.0	25.6	12.9	0.1	41.0	4.3	0.0
10.5	8.2	0.0	25.9	12.6	0.1	41.2	3.5	0.0
10.8	10.4	0.0	26.1	12.3	0.1	41.5	2.6	0.0
11.0	12.4	0.1	26.4	11.8	0.1	41.7	1.7	0.0
11.3	14.2	0.1	26.6	11.3	0.1	42.0	0.9	0.0
11.5	15.9	0.1	26.9	10.8	0.0	42.2	0.0	0.0
11.8	17.3	0.1	27.1	10.2	0.0	42.5	0.9	0.0
12.0	18.6	0.1	27.4	9.5	0.0	42.8	1.8	0.0
12.3	19.7	0.2	27.6	8.8	0.0	43.0	2.7	0.0
12.5	20.6	0.2	27.9	8.1	0.0	43.3	3.5	0.0
12.8	21.4	0.2	28.2	7.3	0.0	43.5	4.4	0.0
13.1	22.0	0.2	28.4	6.5	0.0	43.8	5.2	0.0
13.3	22.4	0.2	28.7	5.7	0.0	44.0	6.0	0.0
13.6	22.6	0.2	28.9	4.8	0.0	44.3	6.8	0.0
13.8	22.7	0.2	29.2	3.9	0.0	44.5	7.6	0.0
14.1	22.6	0.2	29.4	3.0	0.0	44.8	8.3	0.0
14.3	22.4	0.2	29.7	2.1	0.0	45.1	9.0	0.0
14.6	22.1	0.2	30.0	1.2	0.0	45.3	9.6	0.0
14.8	21.6	0.2	30.2	0.2	0.0	45.6	10.2	0.0
15.1	21.0	0.2	30.5	0.7	0.0	45.8	10.8	0.0

Vertical diagram at an azimuth of 292.5°

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
46.1	11.4	0.1	61.4	7.4	0.0	76.8	4.0	0.0
46.3	11.9	0.1	61.7	7.6	0.0	77.1	3.9	0.0
46.6	12.3	0.1	62.0	7.9	0.0	77.3	3.7	0.0
46.8	12.7	0.1	62.2	8.1	0.0	77.6	3.6	0.0
47.1	13.1	0.1	62.5	8.3	0.0	77.8	3.5	0.0
47.4	13.4	0.1	62.7	8.5	0.0	78.1	3.4	0.0
47.6	13.7	0.1	63.0	8.7	0.0	78.3	3.3	0.0
47.9	13.9	0.1	63.2	8.9	0.0	78.6	3.2	0.0
48.1	14.1	0.1	63.5	9.0	0.0	78.8	3.1	0.0
48.4	14.2	0.1	63.7	9.1	0.0	79.1	3.0	0.0
48.6	14.3	0.1	64.0	9.2	0.0	79.4	2.9	0.0
48.9	14.3	0.1	64.3	9.3	0.0	79.6	2.8	0.0
49.2	14.3	0.1	64.5	9.4	0.0	79.9	2.7	0.0
49.4	14.3	0.1	64.8	9.4	0.0	80.1	2.6	0.0
49.7	14.2	0.1	65.0	9.4	0.0	80.4	2.6	0.0
49.9	14.0	0.1	65.3	9.4	0.0	80.6	2.5	0.0
50.2	13.9	0.1	65.5	9.5	0.0	80.9	2.4	0.0
50.4	13.6	0.1	65.8	9.4	0.0	81.2	2.3	0.0
50.7	13.4	0.1	66.0	9.4	0.0	81.4	2.2	0.0
50.9	13.1	0.1	66.3	9.4	0.0	81.7	2.2	0.0
51.2	12.8	0.1	66.6	9.3	0.0	81.9	2.1	0.0
51.5	12.4	0.1	66.8	9.3	0.0	82.2	2.0	0.0
51.7	12.0	0.1	67.1	9.2	0.0	82.4	2.0	0.0
52.0	11.6	0.1	67.3	9.1	0.0	82.7	1.9	0.0
52.2	11.1	0.1	67.6	9.1	0.0	82.9	1.9	0.0
52.5	10.6	0.0	67.8	9.0	0.0	83.2	1.8	0.0
52.7	10.2	0.0	68.1	8.9	0.0	83.5	1.7	0.0
53.0	9.6	0.0	68.4	8.7	0.0	83.7	1.7	0.0
53.2	9.1	0.0	68.6	8.6	0.0	84.0	1.6	0.0
53.5	8.5	0.0	68.9	8.5	0.0	84.2	1.6	0.0
53.8	8.0	0.0	69.1	8.4	0.0	84.5	1.5	0.0
54.0	7.4	0.0	69.4	8.2	0.0	84.7	1.5	0.0
54.3	6.8	0.0	69.6	8.1	0.0	85.0	1.4	0.0
54.5	6.2	0.0	69.9	8.0	0.0	85.2	1.4	0.0
54.8	5.6	0.0	70.1	7.8	0.0	85.5	1.4	0.0
55.0	5.0	0.0	70.4	7.7	0.0	85.8	1.3	0.0
55.3	4.4	0.0	70.7	7.5	0.0	86.0	1.3	0.0
55.6	3.7	0.0	70.9	7.4	0.0	86.3	1.3	0.0
55.8	3.1	0.0	71.2	7.2	0.0	86.5	1.2	0.0
56.1	2.5	0.0	71.4	7.0	0.0	86.8	1.2	0.0
56.3	1.9	0.0	71.7	6.9	0.0	87.0	1.2	0.0
56.6	1.3	0.0	71.9	6.7	0.0	87.3	1.2	0.0
56.8	0.7	0.0	72.2	6.6	0.0	87.6	1.1	0.0
57.1	0.1	0.0	72.4	6.4	0.0	87.8	1.1	0.0
57.3	0.4	0.0	72.7	6.3	0.0	88.1	1.1	0.0
57.6	1.0	0.0	73.0	6.1	0.0	88.3	1.1	0.0
57.9	1.5	0.0	73.2	5.9	0.0	88.6	1.1	0.0
58.1	2.1	0.0	73.5	5.8	0.0	88.8	1.1	0.0
58.4	2.6	0.0	73.7	5.6	0.0	89.1	1.1	0.0
58.6	3.1	0.0	74.0	5.5	0.0	89.3	1.1	0.0
58.9	3.6	0.0	74.2	5.3	0.0	89.6	1.1	0.0
59.1	4.0	0.0	74.5	5.2	0.0	89.9	1.1	0.0
59.4	4.5	0.0	74.8	5.0	0.0	90.1	0.7	0.0
59.6	4.9	0.0	75.0	4.9	0.0	90.4	0.7	0.0
59.9	5.3	0.0	75.3	4.8	0.0	90.6	0.7	0.0
60.2	5.7	0.0	75.5	4.6	0.0	90.9	0.7	0.0
60.4	6.1	0.0	75.8	4.5	0.0	91.1	0.7	0.0
60.7	6.4	0.0	76.0	4.4	0.0	91.4	0.7	0.0
60.9	6.8	0.0	76.3	4.2	0.0	91.6	0.7	0.0
61.2	7.1	0.0	76.5	4.1	0.0	91.9	0.7	0.0