

TX station: 4xAkg77-r

Gain solid integration : disabled

Site Name: Labelitaly

General data of Antenna System

TX station	4xAkg77-r
Site Name	Labelitaly
System of coordinates	Geographic
Longitude	00°00'00.000"
Latitude	00°00'00.000"
Ground level a.s.l. (m)	100.0
Antenna system height (m)	50.0
Transmitter power(Watt)	1000.000
Carrier wave frequency (MHz)	98.000
Antenna system central frequency (MHz)	98.000
Antenna base diagrams type 1	LABEL ITALY-AKG_77-R CIRC. POL. DIREC. WB
Antenna base diagrams type 2	-
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)	0.88
Coordinate System(C = cartesian, P = polar)	P
Mast side / diameter(cm):	10.0
Mast cross section (T/Q/C)	C
Structure rotation w.r.t. North (°)	0.0
Mast rotation w.r.t. North (°)	0.0

Information about antennas used in the System

	<i>Antenna type 1</i>
Manufacturer	LABEL ITALY
Antenna model	AKG_77-R CIRC. POL.
Band start(MHz)	98
Band stop(MHz)	98
diagrams Frequency(MHz)	98
Polariz (H,V,C,X)	C
Vertical dist (cm)	260
Height (cm)	120
Width (cm)	120
Thickness (cm)	200
Weight (Kg)	19
Maximum power (KW)	3
Gain (dBd)	0.85
North E.C. (cm)	0
East E.C. (cm)	0
Return loss (dB)	20
R.C.Phase (°)	0

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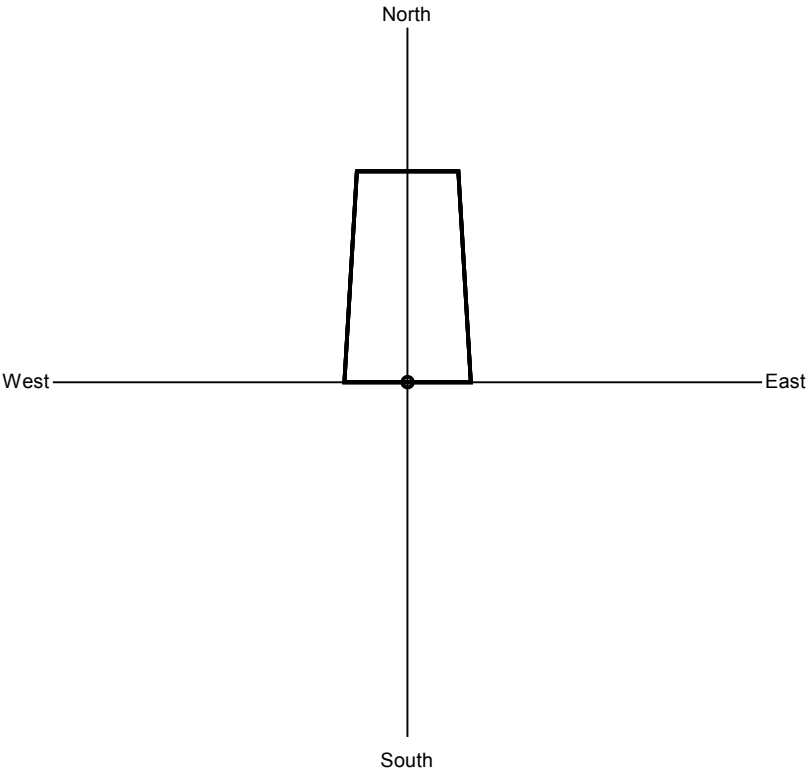
Geometr. and electrical data of Antenna System

	<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	25.000	0	0	0 +0.0	3.90	0.0	0.0	1	1	0.0	0.0
2	25.000	0	0	0 +0.0	1.30	0.0	0.0	1	1	0.0	0.0
3	25.000	0	0	0 +0.0	-1.30	0.0	0.0	1	1	0.0	0.0
4	25.000	0	0	0 +0.0	-3.90	0.0	0.0	1	1	0.0	0.0

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Plan of antenna system



Side of antenna system



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Antennas arrays data

A. Antennas array azimuth (°/N)	0
B. Number of antennas	4
C. Nominal power supply (W)	1000.00
D. Losses (addit. + cables) (dB)	0.0
E. Effective power supply (W)	1000.00
F. Theor. maximum gain (dBd)	6.87
G. Distribution losses (dB)	0.00
H. Nominal max gain [F - G] (dBd)	6.87
I. Compensation losses (dB)	0.35
J. Effec. max gain [H - I] (dBd)	6.52
K. Effec. max gain (times)	4.48
L. Effec. max power [E * K] (KW)	4.4834
M. Max power depr. angle (°)	-0.1
N. Max power az. angle (°)	310

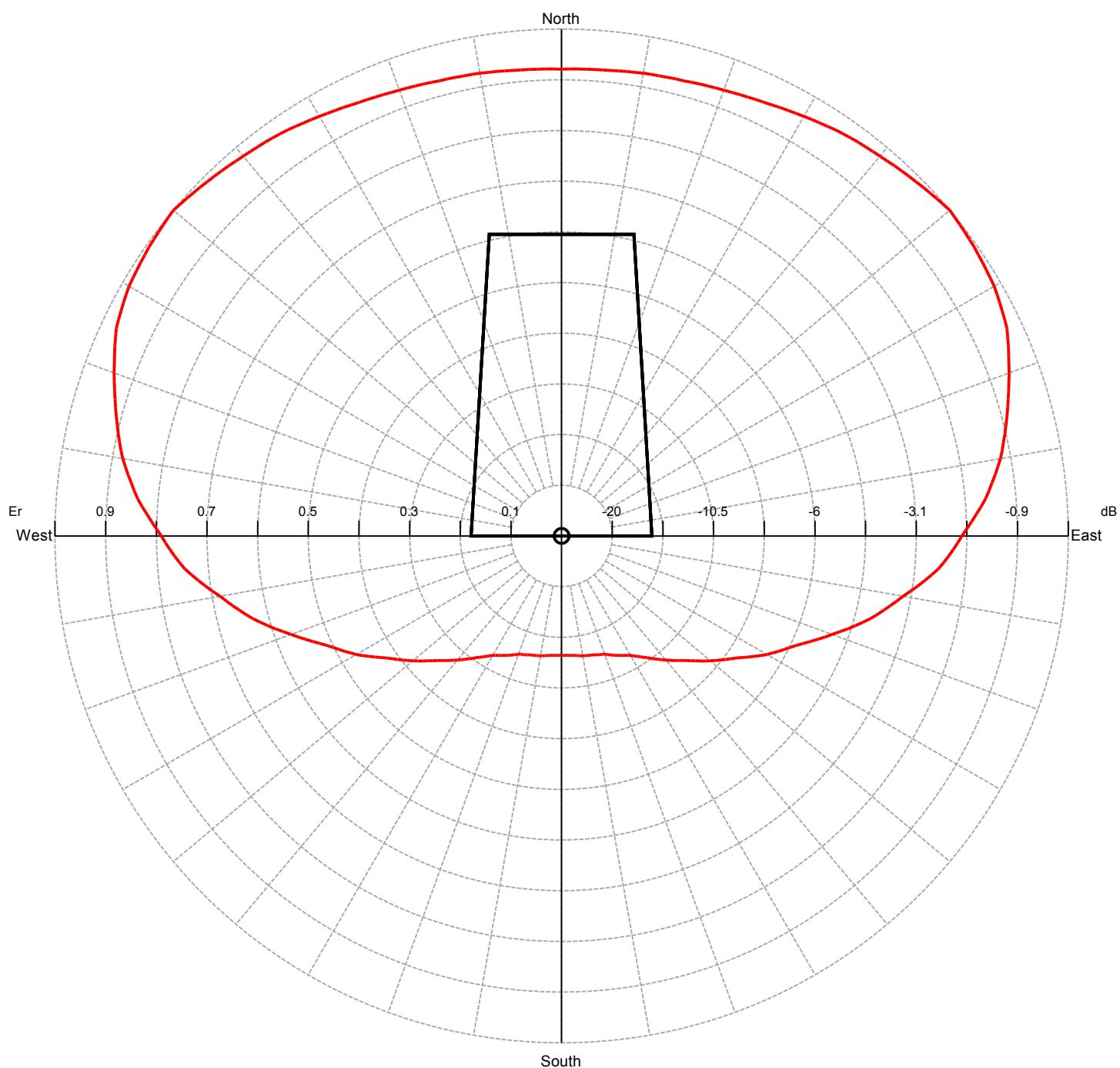
Diagram in dBK calculated at horizon

Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK
0	5.8	90	4.5	180	-6.0	270	4.5
10	5.9	100	3.2	190	-5.9	280	5.4
20	5.9	110	1.6	200	-5.6	290	6.0
30	6.1	120	-0.1	210	-4.8	300	6.4
40	6.3	130	-1.8	220	-3.4	310	6.5
50	6.5	140	-3.4	230	-1.8	320	6.3
60	6.4	150	-4.8	240	-0.1	330	6.1
70	6.0	160	-5.6	250	1.6	340	5.9
80	5.4	170	-5.9	260	3.2	350	5.9

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Horizontal diagram at 0.0° depres. (Total Antenna)



0.0° depres. (Total Antenna), Gain (dBd): 6.52

ERP T.Max(KW): 4.4833 ERP E.Max(KW): 4.4833

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Horizontal diagram at 0.0° depres. (Total Antenna)

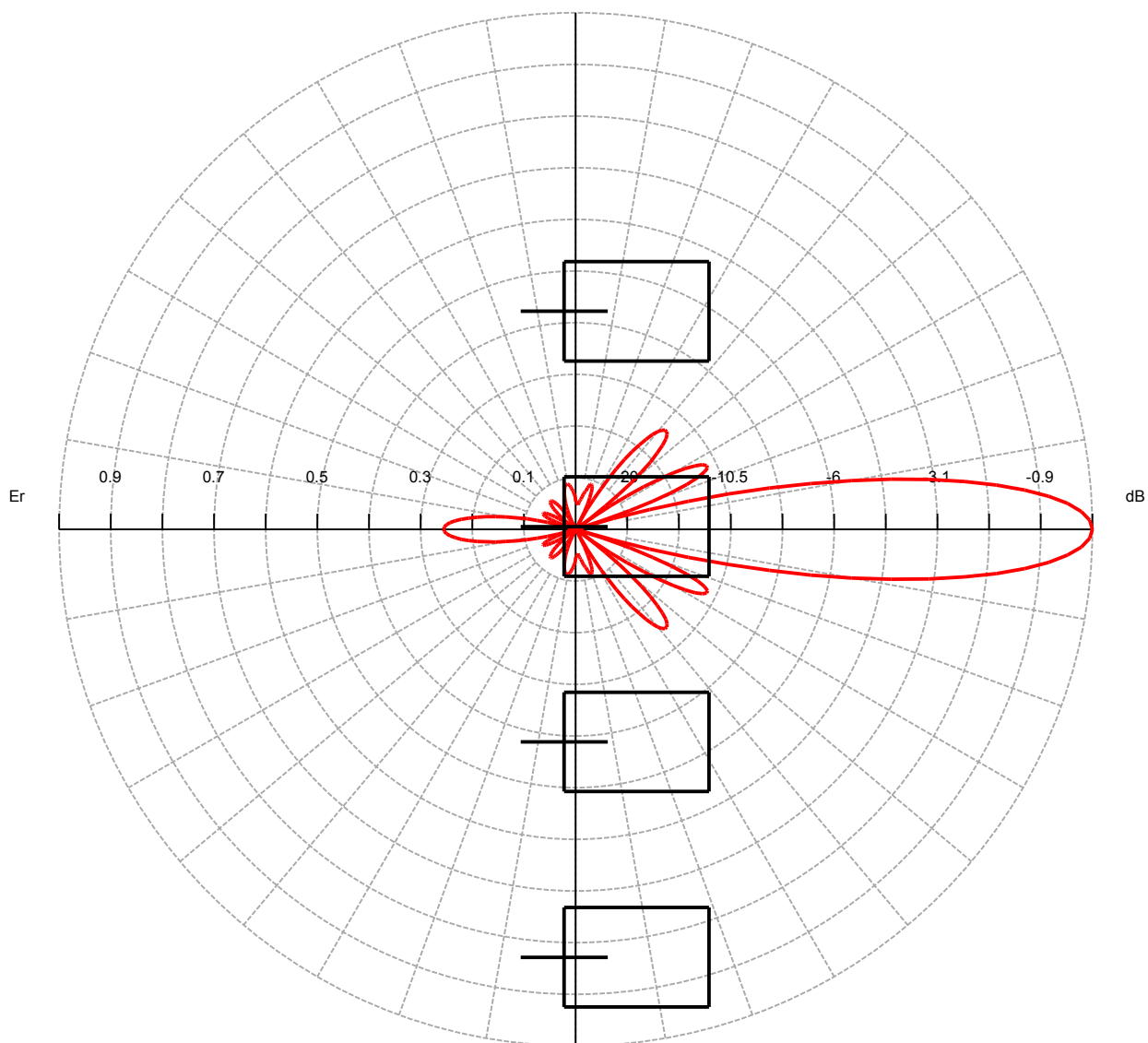
Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)
0.0	92.1	3.803	60.0	98.6	4.359	120.0	46.8	0.982
1.0	92.1	3.806	61.0	98.3	4.330	121.0	45.8	0.941
2.0	92.2	3.810	62.0	98.0	4.302	122.0	44.9	0.902
3.0	92.2	3.813	63.0	97.6	4.274	123.0	43.9	0.864
4.0	92.3	3.816	64.0	97.3	4.246	124.0	43.0	0.827
5.0	92.3	3.819	65.0	97.0	4.218	125.0	42.0	0.792
6.0	92.4	3.826	66.0	96.4	4.166	126.0	41.3	0.764
7.0	92.5	3.833	67.0	95.8	4.115	127.0	40.5	0.736
8.0	92.5	3.839	68.0	95.2	4.063	128.0	39.8	0.710
9.0	92.6	3.846	69.0	94.6	4.012	129.0	39.1	0.684
10.0	92.7	3.853	70.0	94.0	3.961	130.0	38.3	0.659
11.0	92.8	3.858	71.0	93.4	3.911	131.0	37.6	0.634
12.0	92.8	3.863	72.0	92.8	3.861	132.0	36.9	0.609
13.0	92.9	3.868	73.0	92.2	3.811	133.0	36.1	0.586
14.0	92.9	3.873	74.0	91.6	3.762	134.0	35.4	0.563
15.0	93.0	3.878	75.0	91.0	3.713	135.0	34.7	0.541
16.0	93.1	3.888	76.0	90.4	3.664	136.0	34.2	0.523
17.0	93.2	3.898	77.0	89.8	3.615	137.0	33.6	0.506
18.0	93.4	3.908	78.0	89.2	3.567	138.0	33.1	0.490
19.0	93.5	3.918	79.0	88.6	3.519	139.0	32.5	0.474
20.0	93.6	3.928	80.0	88.0	3.472	140.0	32.0	0.458
21.0	93.8	3.941	81.0	87.2	3.409	141.0	31.4	0.443
22.0	93.9	3.955	82.0	86.4	3.347	142.0	30.9	0.428
23.0	94.1	3.968	83.0	85.6	3.285	143.0	30.4	0.414
24.0	94.2	3.982	84.0	84.8	3.224	144.0	29.8	0.399
25.0	94.4	3.995	85.0	84.0	3.163	145.0	29.3	0.385
26.0	94.6	4.016	86.0	83.0	3.089	146.0	28.9	0.374
27.0	94.9	4.036	87.0	82.0	3.015	147.0	28.5	0.363
28.0	95.1	4.056	88.0	81.0	2.942	148.0	28.0	0.352
29.0	95.4	4.077	89.0	80.0	2.869	149.0	27.6	0.342
30.0	95.6	4.097	90.0	79.0	2.798	150.0	27.2	0.331
31.0	95.9	4.120	91.0	78.2	2.741	151.0	26.9	0.325
32.0	96.1	4.142	92.0	77.3	2.682	152.0	26.7	0.320
33.0	96.4	4.165	93.0	76.5	2.622	153.0	26.5	0.314
34.0	96.6	4.187	94.0	75.6	2.561	154.0	26.2	0.309
35.0	96.9	4.210	95.0	74.7	2.500	155.0	26.0	0.303
36.0	97.1	4.225	96.0	73.5	2.419	156.0	25.8	0.298
37.0	97.3	4.241	97.0	72.2	2.338	157.0	25.5	0.292
38.0	97.4	4.257	98.0	71.0	2.258	158.0	25.3	0.287
39.0	97.6	4.272	99.0	69.7	2.180	159.0	25.1	0.282
40.0	97.8	4.288	100.0	68.5	2.102	160.0	24.8	0.277
41.0	98.0	4.308	101.0	67.4	2.037	161.0	24.7	0.274
42.0	98.2	4.327	102.0	66.3	1.972	162.0	24.6	0.272
43.0	98.5	4.346	103.0	65.3	1.909	163.0	24.5	0.270
44.0	98.7	4.366	104.0	64.2	1.847	164.0	24.4	0.267
45.0	98.9	4.385	105.0	63.1	1.786	165.0	24.3	0.265
46.0	99.1	4.405	106.0	61.8	1.715	166.0	24.2	0.264
47.0	99.3	4.424	107.0	60.6	1.645	167.0	24.2	0.262
48.0	99.6	4.444	108.0	59.3	1.578	168.0	24.1	0.261
49.0	99.8	4.464	109.0	58.1	1.513	169.0	24.1	0.260
50.0	100.0	4.483	110.0	56.9	1.449	170.0	24.0	0.259
51.0	99.9	4.473	111.0	55.7	1.390	171.0	23.9	0.257
52.0	99.8	4.462	112.0	54.5	1.332	172.0	23.9	0.255
53.0	99.6	4.451	113.0	53.4	1.276	173.0	23.8	0.254
54.0	99.5	4.440	114.0	52.2	1.222	174.0	23.7	0.252
55.0	99.4	4.430	115.0	51.1	1.170	175.0	23.6	0.250
56.0	99.2	4.415	116.0	50.2	1.130	176.0	23.6	0.250
57.0	99.1	4.401	117.0	49.3	1.091	177.0	23.6	0.250
58.0	98.9	4.387	118.0	48.5	1.054	178.0	23.6	0.250
59.0	98.8	4.373	119.0	47.6	1.017	179.0	23.6	0.249

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Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)
180.0	23.6	0.249	240.0	46.8	0.982	300.0	98.6	4.359
181.0	23.6	0.249	241.0	47.6	1.017	301.0	98.8	4.373
182.0	23.6	0.250	242.0	48.5	1.054	302.0	98.9	4.387
183.0	23.6	0.250	243.0	49.3	1.091	303.0	99.1	4.401
184.0	23.6	0.250	244.0	50.2	1.130	304.0	99.2	4.415
185.0	23.6	0.250	245.0	51.1	1.170	305.0	99.4	4.430
186.0	23.7	0.252	246.0	52.2	1.222	306.0	99.5	4.440
187.0	23.8	0.254	247.0	53.4	1.276	307.0	99.6	4.451
188.0	23.9	0.255	248.0	54.5	1.332	308.0	99.8	4.462
189.0	23.9	0.257	249.0	55.7	1.390	309.0	99.9	4.473
190.0	24.0	0.259	250.0	56.9	1.449	310.0	100.0	4.483
191.0	24.1	0.260	251.0	58.1	1.513	311.0	99.8	4.464
192.0	24.1	0.261	252.0	59.3	1.578	312.0	99.6	4.444
193.0	24.2	0.262	253.0	60.6	1.645	313.0	99.3	4.424
194.0	24.2	0.264	254.0	61.8	1.715	314.0	99.1	4.405
195.0	24.3	0.265	255.0	63.1	1.786	315.0	98.9	4.385
196.0	24.4	0.267	256.0	64.2	1.847	316.0	98.7	4.366
197.0	24.5	0.270	257.0	65.3	1.909	317.0	98.5	4.346
198.0	24.6	0.272	258.0	66.3	1.972	318.0	98.2	4.327
199.0	24.7	0.274	259.0	67.4	2.037	319.0	98.0	4.308
200.0	24.8	0.277	260.0	68.5	2.102	320.0	97.8	4.288
201.0	25.1	0.282	261.0	69.7	2.180	321.0	97.6	4.272
202.0	25.3	0.287	262.0	71.0	2.258	322.0	97.4	4.257
203.0	25.5	0.292	263.0	72.2	2.338	323.0	97.3	4.241
204.0	25.8	0.298	264.0	73.5	2.419	324.0	97.1	4.225
205.0	26.0	0.303	265.0	74.7	2.500	325.0	96.9	4.210
206.0	26.2	0.309	266.0	75.6	2.561	326.0	96.6	4.187
207.0	26.5	0.314	267.0	76.5	2.622	327.0	96.4	4.165
208.0	26.7	0.320	268.0	77.3	2.682	328.0	96.1	4.142
209.0	26.9	0.325	269.0	78.2	2.741	329.0	95.9	4.120
210.0	27.2	0.331	270.0	79.0	2.798	330.0	95.6	4.097
211.0	27.6	0.342	271.0	80.0	2.869	331.0	95.4	4.077
212.0	28.0	0.352	272.0	81.0	2.942	332.0	95.1	4.056
213.0	28.5	0.363	273.0	82.0	3.015	333.0	94.9	4.036
214.0	28.9	0.374	274.0	83.0	3.089	334.0	94.6	4.016
215.0	29.3	0.385	275.0	84.0	3.163	335.0	94.4	3.995
216.0	29.8	0.399	276.0	84.8	3.224	336.0	94.2	3.982
217.0	30.4	0.414	277.0	85.6	3.285	337.0	94.1	3.968
218.0	30.9	0.428	278.0	86.4	3.347	338.0	93.9	3.955
219.0	31.4	0.443	279.0	87.2	3.409	339.0	93.8	3.941
220.0	32.0	0.458	280.0	88.0	3.472	340.0	93.6	3.928
221.0	32.5	0.474	281.0	88.6	3.519	341.0	93.5	3.918
222.0	33.1	0.490	282.0	89.2	3.567	342.0	93.4	3.908
223.0	33.6	0.506	283.0	89.8	3.615	343.0	93.2	3.898
224.0	34.2	0.523	284.0	90.4	3.664	344.0	93.1	3.888
225.0	34.7	0.541	285.0	91.0	3.713	345.0	93.0	3.878
226.0	35.4	0.563	286.0	91.6	3.762	346.0	92.9	3.873
227.0	36.1	0.586	287.0	92.2	3.811	347.0	92.9	3.868
228.0	36.9	0.609	288.0	92.8	3.861	348.0	92.8	3.863
229.0	37.6	0.634	289.0	93.4	3.911	349.0	92.8	3.858
230.0	38.3	0.659	290.0	94.0	3.961	350.0	92.7	3.853
231.0	39.1	0.684	291.0	94.6	4.012	351.0	92.6	3.846
232.0	39.8	0.710	292.0	95.2	4.063	352.0	92.5	3.839
233.0	40.5	0.736	293.0	95.8	4.115	353.0	92.5	3.833
234.0	41.3	0.764	294.0	96.4	4.166	354.0	92.4	3.826
235.0	42.0	0.792	295.0	97.0	4.218	355.0	92.3	3.819
236.0	43.0	0.827	296.0	97.3	4.246	356.0	92.3	3.816
237.0	43.9	0.864	297.0	97.6	4.274	357.0	92.2	3.813
238.0	44.9	0.902	298.0	98.0	4.302	358.0	92.2	3.810
239.0	45.8	0.941	299.0	98.3	4.330	359.0	92.1	3.806



ERP T.Max(KW): 3.803 ERP E.Max(KW): 3.803

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Vertical diagram at an azimuth of 0.0° degrees

Dep (°)	Er (%)	ERP (KW)	Dep (°)	Er (%)	ERP (KW)	Dep (°)	Er (%)	ERP (KW)
0.0	100.0	3.803	60.0	4.5	0.008	120.0	1.7	0.001
1.0	99.5	3.767	61.0	2.2	0.002	121.0	2.4	0.002
2.0	98.0	3.650	62.0	0.0	0.000	122.0	3.2	0.004
3.0	95.4	3.459	63.0	2.0	0.001	123.0	3.9	0.006
4.0	91.8	3.203	64.0	3.8	0.005	124.0	4.6	0.008
5.0	87.2	2.895	65.0	5.4	0.011	125.0	5.2	0.010
6.0	81.9	2.552	66.0	6.7	0.017	126.0	5.8	0.013
7.0	75.8	2.187	67.0	7.7	0.023	127.0	6.3	0.015
8.0	69.1	1.817	68.0	8.5	0.027	128.0	6.7	0.017
9.0	61.9	1.456	69.0	8.9	0.030	129.0	7.0	0.019
10.0	54.2	1.118	70.0	9.1	0.032	130.0	7.2	0.020
11.0	46.4	0.817	71.0	9.2	0.032	131.0	7.3	0.020
12.0	38.3	0.559	72.0	9.2	0.032	132.0	7.3	0.020
13.0	30.3	0.350	73.0	8.9	0.030	133.0	7.2	0.020
14.0	22.4	0.192	74.0	8.4	0.027	134.0	7.0	0.019
15.0	14.8	0.083	75.0	7.7	0.022	135.0	6.7	0.017
16.0	7.6	0.022	76.0	7.5	0.021	136.0	6.3	0.015
17.0	0.8	0.000	77.0	7.2	0.020	137.0	5.8	0.013
18.0	5.4	0.011	78.0	6.9	0.018	138.0	5.2	0.010
19.0	11.0	0.046	79.0	6.5	0.016	139.0	4.5	0.008
20.0	15.8	0.095	80.0	6.0	0.013	140.0	3.7	0.005
21.0	19.9	0.151	81.0	5.8	0.013	141.0	2.8	0.003
22.0	23.2	0.204	82.0	5.6	0.012	142.0	1.9	0.001
23.0	25.6	0.250	83.0	5.3	0.011	143.0	0.9	0.000
24.0	27.3	0.283	84.0	5.0	0.010	144.0	0.1	0.000
25.0	28.1	0.301	85.0	4.7	0.009	145.0	1.1	0.000
26.0	28.2	0.302	86.0	4.9	0.009	146.0	2.0	0.002
27.0	27.5	0.288	87.0	5.0	0.010	147.0	3.0	0.003
28.0	26.2	0.260	88.0	5.2	0.010	148.0	3.9	0.006
29.0	24.2	0.223	89.0	5.3	0.011	149.0	4.7	0.008
30.0	21.7	0.180	90.0	5.4	0.011	150.0	5.4	0.011
31.0	18.8	0.134	91.0	6.3	0.015	151.0	6.0	0.014
32.0	15.4	0.091	92.0	6.7	0.017	152.0	6.5	0.016
33.0	11.8	0.053	93.0	7.0	0.019	153.0	6.9	0.018
34.0	8.1	0.025	94.0	7.3	0.021	154.0	7.0	0.019
35.0	4.2	0.007	95.0	7.6	0.022	155.0	7.0	0.019
36.0	0.3	0.000	96.0	8.0	0.024	156.0	6.8	0.018
37.0	3.6	0.005	97.0	8.3	0.026	157.0	6.4	0.016
38.0	7.3	0.020	98.0	8.6	0.028	158.0	5.8	0.013
39.0	10.7	0.044	99.0	8.8	0.029	159.0	5.0	0.009
40.0	14.0	0.074	100.0	8.9	0.030	160.0	4.0	0.006
41.0	16.8	0.108	101.0	8.9	0.030	161.0	2.8	0.003
42.0	19.4	0.143	102.0	8.9	0.030	162.0	1.4	0.001
43.0	21.6	0.177	103.0	8.8	0.029	163.0	0.2	0.000
44.0	23.3	0.207	104.0	8.6	0.028	164.0	1.9	0.001
45.0	24.7	0.232	105.0	8.4	0.027	165.0	3.7	0.005
46.0	25.5	0.247	106.0	8.0	0.024	166.0	5.7	0.012
47.0	25.9	0.254	107.0	7.6	0.022	167.0	7.7	0.022
48.0	25.8	0.254	108.0	7.1	0.019	168.0	9.7	0.036
49.0	25.4	0.246	109.0	6.6	0.017	169.0	11.7	0.052
50.0	24.7	0.232	110.0	6.0	0.014	170.0	13.7	0.072
51.0	23.5	0.211	111.0	5.4	0.011	171.0	15.7	0.094
52.0	22.1	0.186	112.0	4.7	0.009	172.0	17.5	0.117
53.0	20.4	0.159	113.0	4.0	0.006	173.0	19.3	0.141
54.0	18.5	0.131	114.0	3.3	0.004	174.0	20.8	0.165
55.0	16.5	0.103	115.0	2.5	0.002	175.0	22.2	0.188
56.0	14.1	0.076	116.0	1.6	0.001	176.0	23.4	0.208
57.0	11.7	0.052	117.0	0.8	0.000	177.0	24.3	0.225
58.0	9.2	0.032	118.0	0.0	0.000	178.0	25.0	0.238
59.0	6.8	0.018	119.0	0.8	0.000	179.0	25.4	0.246

TX station: 4xAkg77-r
Frequency: 98.00 MHz
Gain solid integration : disabled

Site Name: Labelitaly

Vertical diagram at an azimuth of 0.0° degrees

Dep (°)	Er (%)	ERP (KW)	Dep (°)	Er (%)	ERP (KW)	Dep (°)	Er (%)	ERP (KW)
180.0	25.6	0.249	240.0	1.7	0.001	300.0	4.5	0.008
181.0	25.4	0.246	241.0	0.8	0.000	301.0	6.8	0.018
182.0	25.0	0.238	242.0	0.0	0.000	302.0	9.2	0.032
183.0	24.3	0.225	243.0	0.8	0.000	303.0	11.7	0.052
184.0	23.4	0.208	244.0	1.6	0.001	304.0	14.1	0.076
185.0	22.2	0.188	245.0	2.5	0.002	305.0	16.5	0.103
186.0	20.8	0.165	246.0	3.3	0.004	306.0	18.5	0.131
187.0	19.3	0.141	247.0	4.0	0.006	307.0	20.4	0.159
188.0	17.5	0.117	248.0	4.7	0.009	308.0	22.1	0.186
189.0	15.7	0.094	249.0	5.4	0.011	309.0	23.5	0.211
190.0	13.7	0.072	250.0	6.0	0.014	310.0	24.7	0.232
191.0	11.7	0.052	251.0	6.6	0.017	311.0	25.4	0.246
192.0	9.7	0.036	252.0	7.1	0.019	312.0	25.8	0.254
193.0	7.7	0.022	253.0	7.6	0.022	313.0	25.9	0.254
194.0	5.7	0.012	254.0	8.0	0.024	314.0	25.5	0.247
195.0	3.7	0.005	255.0	8.4	0.027	315.0	24.7	0.232
196.0	1.9	0.001	256.0	8.6	0.028	316.0	23.3	0.207
197.0	0.2	0.000	257.0	8.8	0.029	317.0	21.6	0.177
198.0	1.4	0.001	258.0	8.9	0.030	318.0	19.4	0.143
199.0	2.8	0.003	259.0	8.9	0.030	319.0	16.8	0.108
200.0	4.0	0.006	260.0	8.9	0.030	320.0	14.0	0.074
201.0	5.0	0.009	261.0	8.8	0.029	321.0	10.7	0.044
202.0	5.8	0.013	262.0	8.6	0.028	322.0	7.3	0.020
203.0	6.4	0.016	263.0	8.3	0.026	323.0	3.6	0.005
204.0	6.8	0.018	264.0	8.0	0.024	324.0	0.3	0.000
205.0	7.0	0.019	265.0	7.6	0.022	325.0	4.2	0.007
206.0	7.0	0.019	266.0	7.3	0.021	326.0	8.1	0.025
207.0	6.9	0.018	267.0	7.0	0.019	327.0	11.8	0.053
208.0	6.5	0.016	268.0	6.7	0.017	328.0	15.4	0.091
209.0	6.0	0.014	269.0	6.3	0.015	329.0	18.8	0.134
210.0	5.4	0.011	270.0	5.4	0.011	330.0	21.7	0.180
211.0	4.7	0.008	271.0	5.3	0.011	331.0	24.2	0.223
212.0	3.9	0.006	272.0	5.2	0.010	332.0	26.2	0.260
213.0	3.0	0.003	273.0	5.0	0.010	333.0	27.5	0.288
214.0	2.0	0.002	274.0	4.9	0.009	334.0	28.2	0.302
215.0	1.1	0.000	275.0	4.7	0.009	335.0	28.1	0.301
216.0	0.1	0.000	276.0	5.0	0.010	336.0	27.3	0.283
217.0	0.9	0.000	277.0	5.3	0.011	337.0	25.6	0.250
218.0	1.9	0.001	278.0	5.6	0.012	338.0	23.2	0.204
219.0	2.8	0.003	279.0	5.8	0.013	339.0	19.9	0.151
220.0	3.7	0.005	280.0	6.0	0.013	340.0	15.8	0.095
221.0	4.5	0.008	281.0	6.5	0.016	341.0	11.0	0.046
222.0	5.2	0.010	282.0	6.9	0.018	342.0	5.4	0.011
223.0	5.8	0.013	283.0	7.2	0.020	343.0	0.8	0.000
224.0	6.3	0.015	284.0	7.5	0.021	344.0	7.6	0.022
225.0	6.7	0.017	285.0	7.7	0.022	345.0	14.8	0.083
226.0	7.0	0.019	286.0	8.4	0.027	346.0	22.4	0.192
227.0	7.2	0.020	287.0	8.9	0.030	347.0	30.3	0.350
228.0	7.3	0.020	288.0	9.2	0.032	348.0	38.3	0.559
229.0	7.3	0.020	289.0	9.2	0.032	349.0	46.4	0.817
230.0	7.2	0.020	290.0	9.1	0.032	350.0	54.2	1.118
231.0	7.0	0.019	291.0	8.9	0.030	351.0	61.9	1.456
232.0	6.7	0.017	292.0	8.5	0.027	352.0	69.1	1.817
233.0	6.3	0.015	293.0	7.7	0.023	353.0	75.8	2.187
234.0	5.8	0.013	294.0	6.7	0.017	354.0	81.9	2.552
235.0	5.2	0.010	295.0	5.4	0.011	355.0	87.2	2.895
236.0	4.6	0.008	296.0	3.8	0.005	356.0	91.8	3.203
237.0	3.9	0.006	297.0	2.0	0.001	357.0	95.4	3.459
238.0	3.2	0.004	298.0	0.0	0.000	358.0	98.0	3.650
239.0	2.4	0.002	299.0	2.2	0.002	359.0	99.5	3.767