

TX station: Akg77

Gain solid integration : disabled

Site Name: Labelitaly

General data of Antenna System

TX station	Akg77
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 H.P. CIRC. POL. FM 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 H.P. CIRC. P
Band start(MHz)	88
Band stop(MHz)	108
diagrams Frequency(MHz)	98
Polariz (H,V,C,X)	C
Vertical dist (cm)	260
Height (cm)	124
Width (cm)	115
Thickness (cm)	150
Weight (Kg)	12
Maximum power (KW)	5
Gain (dBd)	-1.5
North E.C. (cm)	0
East E.C. (cm)	0
Return loss (dB)	21
R.C.Phase (°)	0

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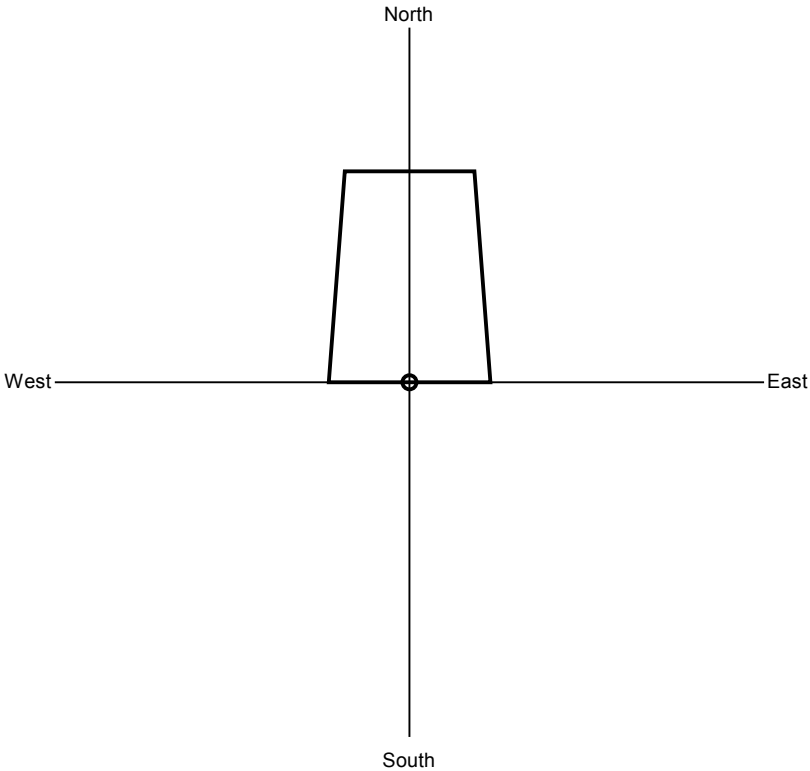
Geometr. and electrical data of Antenna System

	<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	100.000	0	0	0	+0.0	0.00	0.0	0.0	1	1	0.0	0.0

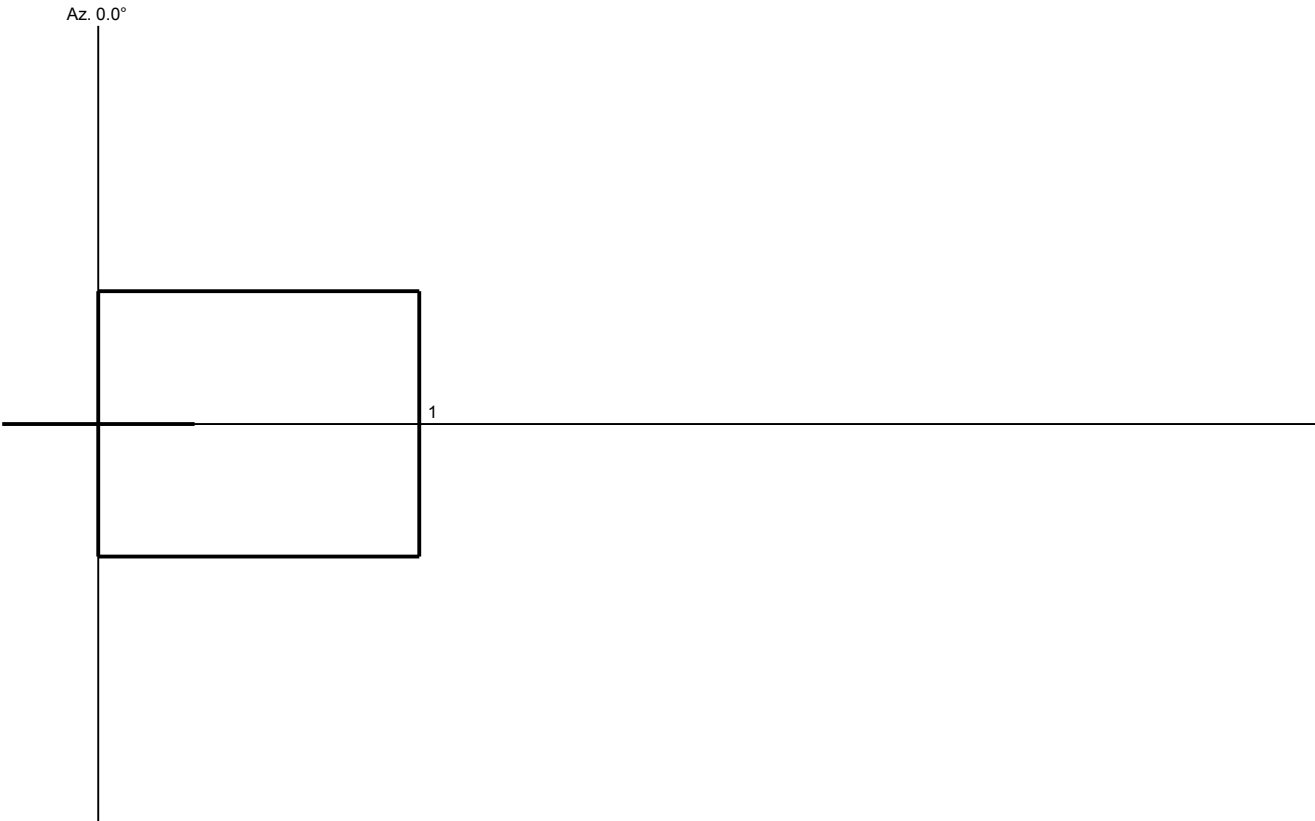
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Plan of antenna system



Side of antenna system



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Antennas arrays data

A. Antennas array azimuth (°/N)	0
B. Number of antennas	1
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)	-1.50
G. Distribution losses (dB)	0.00
H. Nominal max gain [F - G] (dBd)	-1.50
I. Compensation losses (dB)	0.00
J. Effec. max gain [H - I] (dBd)	-1.50
K. Effec. max gain (times)	0.71
L. Effec. max power [E * K] (KW)	0.7079
M. Max power depr. angle (°)	0.0
N. Max power az. angle (°)	300

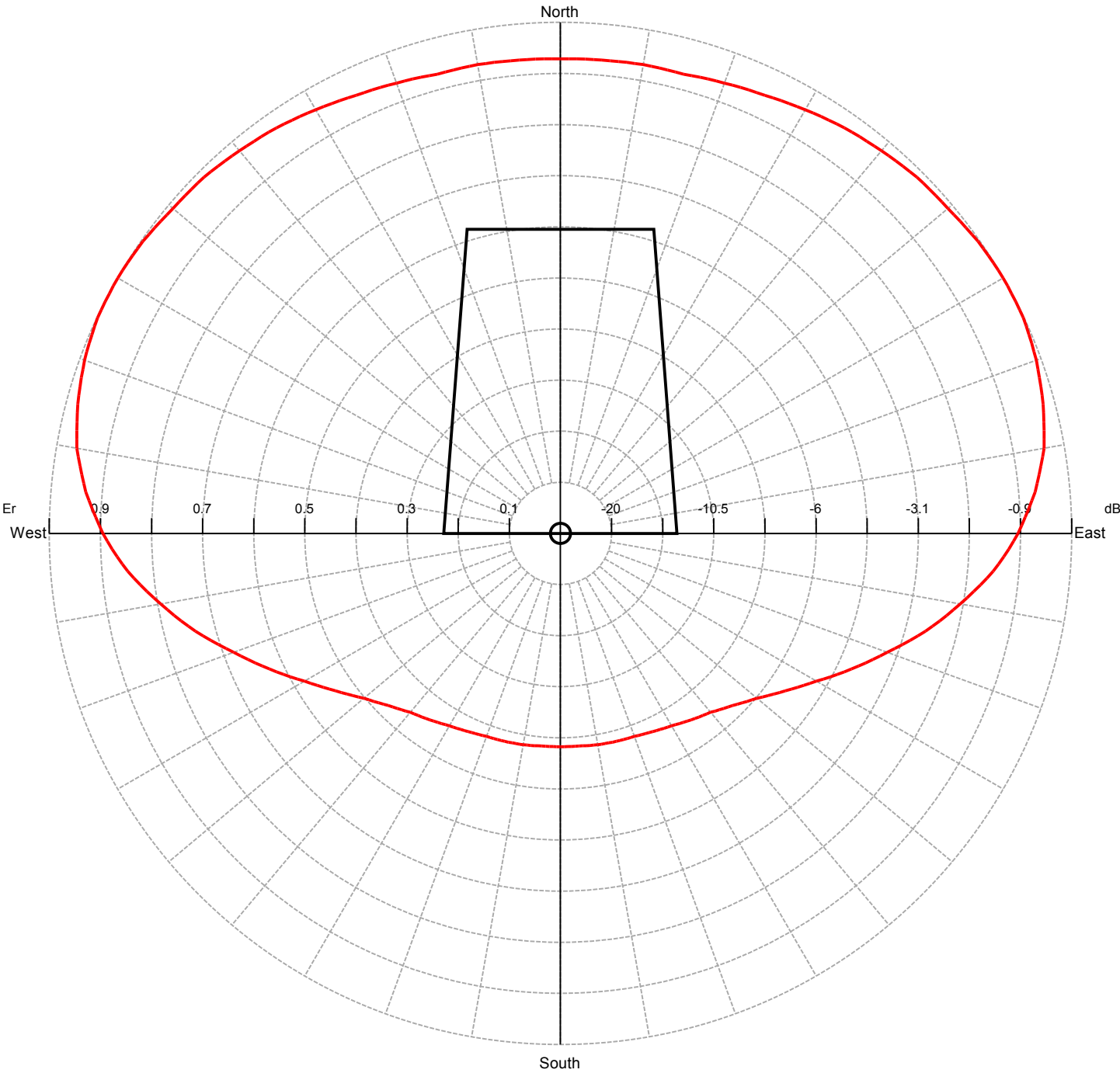
Diagram in dBK calculated at horizon

Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK
0	-2.1	90	-2.5	180	-9.1	270	-2.5
10	-2.1	100	-3.5	190	-9.0	280	-1.8
20	-2.1	110	-4.8	200	-9.0	290	-1.6
30	-1.9	120	-6.3	210	-8.7	300	-1.5
40	-1.7	130	-7.5	220	-8.3	310	-1.6
50	-1.6	140	-8.3	230	-7.5	320	-1.7
60	-1.5	150	-8.7	240	-6.3	330	-1.9
70	-1.6	160	-9.0	250	-4.8	340	-2.1
80	-1.8	170	-9.0	260	-3.5	350	-2.1

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Horizontal diagram at 0.0° depres. (Total Antenna)



0.0° depres. (Total Antenna), Gain (dBd): -1.5 ERP T.Max(KW): 0.7079 ERP E.Max(KW): 0.7079

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Horizontal diagram at 0.0° depres. (Total Antenna)

Az (°)	Er (%)	ERP (W)	Az (°)	Er (%)	ERP (W)	Az (°)	Er (%)	ERP (W)
0.0	92.9	610.6	60.0	100.0	707.9	120.0	57.8	236.6
1.0	92.9	610.9	61.0	100.0	707.7	121.0	57.0	229.7
2.0	92.9	611.2	62.0	100.0	707.5	122.0	56.1	223.1
3.0	92.9	611.5	63.0	99.9	707.2	123.0	55.3	216.6
4.0	93.0	611.8	64.0	99.9	707.0	124.0	54.5	210.4
5.0	93.0	612.1	65.0	99.9	706.7	125.0	53.7	204.3
6.0	93.0	612.5	66.0	99.7	704.4	126.0	53.0	198.8
7.0	93.1	613.0	67.0	99.6	702.0	127.0	52.3	193.4
8.0	93.1	613.4	68.0	99.4	699.6	128.0	51.6	188.2
9.0	93.1	613.9	69.0	99.2	697.2	129.0	50.9	183.1
10.0	93.2	614.3	70.0	99.1	694.8	130.0	50.2	178.2
11.0	93.1	614.0	71.0	98.8	691.1	131.0	49.6	174.5
12.0	93.1	613.8	72.0	98.5	687.5	132.0	49.1	170.9
13.0	93.1	613.5	73.0	98.3	683.8	133.0	48.6	167.3
14.0	93.1	613.2	74.0	98.0	680.1	134.0	48.1	163.9
15.0	93.1	613.0	75.0	97.8	676.5	135.0	47.6	160.5
16.0	93.2	614.9	76.0	97.4	671.8	136.0	47.2	157.9
17.0	93.3	616.8	77.0	97.1	667.1	137.0	46.8	155.3
18.0	93.5	618.7	78.0	96.7	662.5	138.0	46.4	152.7
19.0	93.6	620.7	79.0	96.4	657.9	139.0	46.1	150.3
20.0	93.8	622.6	80.0	96.1	653.3	140.0	45.7	147.8
21.0	93.9	624.8	81.0	95.5	645.6	141.0	45.5	146.3
22.0	94.1	627.0	82.0	94.9	637.9	142.0	45.2	144.8
23.0	94.3	629.2	83.0	94.4	630.3	143.0	45.0	143.3
24.0	94.4	631.4	84.0	93.8	622.7	144.0	44.8	141.9
25.0	94.6	633.6	85.0	93.2	615.2	145.0	44.6	140.5
26.0	94.8	636.6	86.0	92.5	605.4	146.0	44.3	139.1
27.0	95.1	639.6	87.0	91.7	595.7	147.0	44.1	137.7
28.0	95.3	642.6	88.0	91.0	586.1	148.0	43.9	136.4
29.0	95.5	645.6	89.0	90.2	576.5	149.0	43.7	135.0
30.0	95.7	648.7	90.0	89.5	567.1	150.0	43.5	133.7
31.0	96.0	651.8	91.0	88.6	556.3	151.0	43.3	132.9
32.0	96.2	655.0	92.0	87.8	545.3	152.0	43.2	132.1
33.0	96.4	658.2	93.0	86.9	534.2	153.0	43.1	131.2
34.0	96.7	661.4	94.0	85.9	522.8	154.0	42.9	130.4
35.0	96.9	664.6	95.0	85.0	511.4	155.0	42.8	129.6
36.0	97.1	666.9	96.0	83.9	498.3	156.0	42.7	129.0
37.0	97.2	669.2	97.0	82.8	485.2	157.0	42.6	128.3
38.0	97.4	671.6	98.0	81.7	472.2	158.0	42.5	127.7
39.0	97.6	673.9	99.0	80.5	459.3	159.0	42.4	127.1
40.0	97.7	676.2	100.0	79.4	446.5	160.0	42.3	126.4
41.0	97.9	678.7	101.0	78.3	434.3	161.0	42.2	126.3
42.0	98.1	681.1	102.0	77.2	422.2	162.0	42.2	126.1
43.0	98.3	683.5	103.0	76.1	410.3	163.0	42.2	126.0
44.0	98.4	686.0	104.0	75.0	398.6	164.0	42.2	125.8
45.0	98.6	688.5	105.0	73.9	387.0	165.0	42.1	125.7
46.0	98.7	689.3	106.0	72.7	374.6	166.0	42.1	125.5
47.0	98.7	690.2	107.0	71.5	362.3	167.0	42.1	125.3
48.0	98.8	691.0	108.0	70.4	350.4	168.0	42.0	125.1
49.0	98.9	691.9	109.0	69.2	338.8	169.0	42.0	124.9
50.0	98.9	692.7	110.0	68.0	327.5	170.0	42.0	124.8
51.0	99.1	694.9	111.0	67.0	317.4	171.0	41.9	124.5
52.0	99.2	697.1	112.0	65.9	307.5	172.0	41.9	124.2
53.0	99.4	699.3	113.0	64.9	297.8	173.0	41.8	124.0
54.0	99.5	701.4	114.0	63.8	288.5	174.0	41.8	123.7
55.0	99.7	703.6	115.0	62.8	279.4	175.0	41.8	123.5
56.0	99.8	704.5	116.0	61.8	270.3	176.0	41.8	123.4
57.0	99.8	705.4	117.0	60.8	261.4	177.0	41.7	123.4
58.0	99.9	706.2	118.0	59.8	252.9	178.0	41.7	123.4
59.0	99.9	707.1	119.0	58.8	244.6	179.0	41.7	123.3

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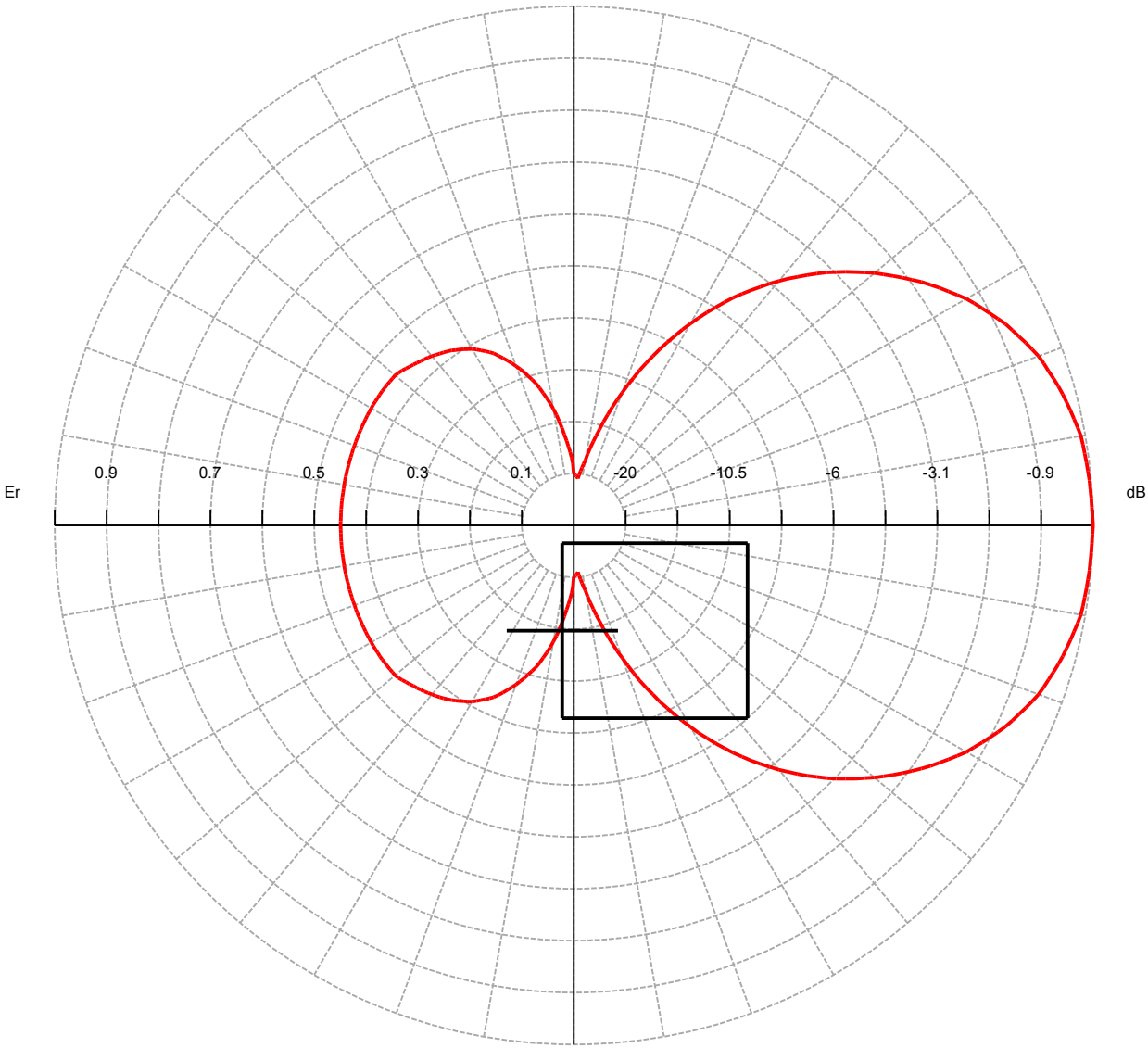
Horizontal diagram at 0.0° depres. (Total Antenna)

Az (°)	Er (%)	ERP (W)	Az (°)	Er (%)	ERP (W)	Az (°)	Er (%)	ERP (W)
180.0	41.7	123.3	240.0	57.8	236.6	300.0	100.0	707.9
181.0	41.7	123.3	241.0	58.8	244.6	301.0	99.9	707.1
182.0	41.7	123.4	242.0	59.8	252.9	302.0	99.9	706.2
183.0	41.7	123.4	243.0	60.8	261.4	303.0	99.8	705.4
184.0	41.8	123.4	244.0	61.8	270.3	304.0	99.8	704.5
185.0	41.8	123.5	245.0	62.8	279.4	305.0	99.7	703.6
186.0	41.8	123.7	246.0	63.8	288.5	306.0	99.5	701.4
187.0	41.8	124.0	247.0	64.9	297.8	307.0	99.4	699.3
188.0	41.9	124.2	248.0	65.9	307.5	308.0	99.2	697.1
189.0	41.9	124.5	249.0	67.0	317.4	309.0	99.1	694.9
190.0	42.0	124.8	250.0	68.0	327.5	310.0	98.9	692.7
191.0	42.0	124.9	251.0	69.2	338.8	311.0	98.9	691.9
192.0	42.0	125.1	252.0	70.4	350.4	312.0	98.8	691.0
193.0	42.1	125.3	253.0	71.5	362.3	313.0	98.7	690.2
194.0	42.1	125.5	254.0	72.7	374.6	314.0	98.7	689.3
195.0	42.1	125.7	255.0	73.9	387.0	315.0	98.6	688.5
196.0	42.2	125.8	256.0	75.0	398.6	316.0	98.4	686.0
197.0	42.2	126.0	257.0	76.1	410.3	317.0	98.3	683.5
198.0	42.2	126.1	258.0	77.2	422.2	318.0	98.1	681.1
199.0	42.2	126.3	259.0	78.3	434.3	319.0	97.9	678.7
200.0	42.3	126.4	260.0	79.4	446.5	320.0	97.7	676.2
201.0	42.4	127.1	261.0	80.5	459.3	321.0	97.6	673.9
202.0	42.5	127.7	262.0	81.7	472.2	322.0	97.4	671.6
203.0	42.6	128.3	263.0	82.8	485.2	323.0	97.2	669.2
204.0	42.7	129.0	264.0	83.9	498.3	324.0	97.1	666.9
205.0	42.8	129.6	265.0	85.0	511.4	325.0	96.9	664.6
206.0	42.9	130.4	266.0	85.9	522.8	326.0	96.7	661.4
207.0	43.1	131.2	267.0	86.9	534.2	327.0	96.4	658.2
208.0	43.2	132.1	268.0	87.8	545.3	328.0	96.2	655.0
209.0	43.3	132.9	269.0	88.6	556.3	329.0	96.0	651.8
210.0	43.5	133.7	270.0	89.5	567.1	330.0	95.7	648.7
211.0	43.7	135.0	271.0	90.2	576.5	331.0	95.5	645.6
212.0	43.9	136.4	272.0	91.0	586.1	332.0	95.3	642.6
213.0	44.1	137.7	273.0	91.7	595.7	333.0	95.1	639.6
214.0	44.3	139.1	274.0	92.5	605.4	334.0	94.8	636.6
215.0	44.6	140.5	275.0	93.2	615.2	335.0	94.6	633.6
216.0	44.8	141.9	276.0	93.8	622.7	336.0	94.4	631.4
217.0	45.0	143.3	277.0	94.4	630.3	337.0	94.3	629.2
218.0	45.2	144.8	278.0	94.9	637.9	338.0	94.1	627.0
219.0	45.5	146.3	279.0	95.5	645.6	339.0	93.9	624.8
220.0	45.7	147.8	280.0	96.1	653.3	340.0	93.8	622.6
221.0	46.1	150.3	281.0	96.4	657.9	341.0	93.6	620.7
222.0	46.4	152.7	282.0	96.7	662.5	342.0	93.5	618.7
223.0	46.8	155.3	283.0	97.1	667.1	343.0	93.3	616.8
224.0	47.2	157.9	284.0	97.4	671.8	344.0	93.2	614.9
225.0	47.6	160.5	285.0	97.8	676.5	345.0	93.1	613.0
226.0	48.1	163.9	286.0	98.0	680.1	346.0	93.1	613.2
227.0	48.6	167.3	287.0	98.3	683.8	347.0	93.1	613.5
228.0	49.1	170.9	288.0	98.5	687.5	348.0	93.1	613.8
229.0	49.6	174.5	289.0	98.8	691.1	349.0	93.1	614.0
230.0	50.2	178.2	290.0	99.1	694.8	350.0	93.2	614.3
231.0	50.9	183.1	291.0	99.2	697.2	351.0	93.1	613.9
232.0	51.6	188.2	292.0	99.4	699.6	352.0	93.1	613.4
233.0	52.3	193.4	293.0	99.6	702.0	353.0	93.1	613.0
234.0	53.0	198.8	294.0	99.7	704.4	354.0	93.0	612.5
235.0	53.7	204.3	295.0	99.9	706.7	355.0	93.0	612.1
236.0	54.5	210.4	296.0	99.9	707.0	356.0	93.0	611.8
237.0	55.3	216.6	297.0	99.9	707.2	357.0	92.9	611.5
238.0	56.1	223.1	298.0	100.0	707.5	358.0	92.9	611.2
239.0	57.0	229.7	299.0	100.0	707.7	359.0	92.9	610.9

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Vertical diagram at an azimuth of 0.0° degrees



0.0° Az. (Total Antenna), Gain (dBd): -2.14

ERP T.Max(KW): 0.6106 ERP E.Max(KW): 0.6106

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Vertical diagram at an azimuth of 0.0° degrees

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
0.0	100.0	610.6	60.0	44.8	122.8	120.0	39.2	93.9
1.0	99.9	609.8	61.0	43.1	113.3	121.0	39.6	95.8
2.0	99.9	609.1	62.0	41.3	104.1	122.0	40.0	97.6
3.0	99.8	608.4	63.0	39.5	95.4	123.0	40.4	99.5
4.0	99.8	607.6	64.0	37.8	87.0	124.0	40.7	101.3
5.0	99.7	606.9	65.0	36.0	79.1	125.0	41.1	103.2
6.0	99.6	605.6	66.0	34.2	71.5	126.0	41.4	104.7
7.0	99.5	604.4	67.0	32.5	64.3	127.0	41.7	106.2
8.0	99.4	603.2	68.0	30.7	57.5	128.0	42.0	107.7
9.0	99.3	601.9	69.0	28.9	51.1	129.0	42.3	109.1
10.0	99.2	600.7	70.0	27.2	45.0	130.0	42.6	110.6
11.0	98.9	596.7	71.0	25.5	39.9	131.0	42.8	111.9
12.0	98.5	592.7	72.0	23.9	35.0	132.0	43.1	113.2
13.0	98.2	588.6	73.0	22.3	30.5	133.0	43.3	114.4
14.0	97.9	584.7	74.0	20.7	26.2	134.0	43.5	115.7
15.0	97.5	580.7	75.0	19.1	22.3	135.0	43.8	116.9
16.0	97.1	575.4	76.0	17.8	19.4	136.0	44.0	118.3
17.0	96.6	570.1	77.0	16.6	16.7	137.0	44.3	119.7
18.0	96.2	564.8	78.0	15.3	14.2	138.0	44.5	121.0
19.0	95.7	559.5	79.0	14.0	11.9	139.0	44.8	122.3
20.0	95.3	554.3	80.0	12.7	9.9	140.0	45.0	123.4
21.0	94.6	546.1	81.0	12.0	8.8	141.0	45.0	123.6
22.0	93.9	538.0	82.0	11.2	7.7	142.0	45.0	123.7
23.0	93.2	529.9	83.0	10.5	6.7	143.0	45.0	123.8
24.0	92.5	521.9	84.0	9.8	5.8	144.0	45.1	124.0
25.0	91.7	513.9	85.0	9.0	5.0	145.0	45.1	124.1
26.0	90.9	504.0	86.0	9.2	5.2	146.0	45.1	124.1
27.0	90.0	494.2	87.0	9.4	5.4	147.0	45.1	124.0
28.0	89.1	484.5	88.0	9.6	5.7	148.0	45.1	124.0
29.0	88.2	474.9	89.0	9.8	5.9	149.0	45.1	124.0
30.0	87.3	465.3	90.0	10.0	6.1	150.0	45.1	124.0
31.0	86.2	453.5	91.0	11.9	8.7	151.0	45.1	124.0
32.0	85.1	441.9	92.0	13.0	10.4	152.0	45.1	124.0
33.0	84.0	430.4	93.0	14.1	12.2	153.0	45.1	123.9
34.0	82.9	419.1	94.0	15.2	14.2	154.0	45.0	123.9
35.0	81.7	407.9	95.0	16.3	16.3	155.0	45.0	123.9
36.0	80.5	395.8	96.0	17.6	19.0	156.0	45.0	123.8
37.0	79.3	383.8	97.0	19.0	21.9	157.0	45.0	123.7
38.0	78.0	371.9	98.0	20.2	25.0	158.0	45.0	123.7
39.0	76.8	360.3	99.0	21.5	28.3	159.0	45.0	123.6
40.0	75.6	348.9	100.0	22.8	31.7	160.0	45.0	123.5
41.0	74.3	336.6	101.0	23.9	34.9	161.0	45.0	123.5
42.0	72.9	324.6	102.0	25.1	38.3	162.0	45.0	123.4
43.0	71.6	312.8	103.0	26.2	41.8	163.0	45.0	123.4
44.0	70.2	301.2	104.0	27.3	45.4	164.0	44.9	123.3
45.0	68.9	289.9	105.0	28.3	49.1	165.0	44.9	123.3
46.0	67.4	277.5	106.0	29.2	52.2	166.0	44.9	123.3
47.0	65.9	265.4	107.0	30.1	55.3	167.0	44.9	123.3
48.0	64.4	253.6	108.0	31.0	58.5	168.0	44.9	123.3
49.0	63.0	242.0	109.0	31.8	61.8	169.0	44.9	123.3
50.0	61.5	230.7	110.0	32.6	65.1	170.0	44.9	123.3
51.0	59.9	219.0	111.0	33.4	68.3	171.0	44.9	123.3
52.0	58.3	207.6	112.0	34.2	71.5	172.0	44.9	123.3
53.0	56.7	196.4	113.0	35.0	74.8	173.0	44.9	123.3
54.0	55.1	185.6	114.0	35.8	78.1	174.0	44.9	123.3
55.0	53.6	175.1	115.0	36.5	81.4	175.0	44.9	123.3
56.0	51.8	163.9	116.0	37.1	83.9	176.0	44.9	123.3
57.0	50.1	153.1	117.0	37.6	86.4	177.0	44.9	123.3
58.0	48.3	142.6	118.0	38.2	88.9	178.0	44.9	123.3
59.0	46.6	132.5	119.0	38.7	91.4	179.0	44.9	123.3

TX station: Akg77
 Frequency: 98.00 MHz
 Gain solid integration : disabled

Site Name: Labelitaly

Vertical diagram at an azimuth of 0.0° degrees

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
180.0	44.9	123.3	240.0	39.2	93.9	300.0	44.8	122.8
181.0	44.9	123.3	241.0	38.7	91.4	301.0	46.6	132.5
182.0	44.9	123.3	242.0	38.2	88.9	302.0	48.3	142.6
183.0	44.9	123.3	243.0	37.6	86.4	303.0	50.1	153.1
184.0	44.9	123.3	244.0	37.1	83.9	304.0	51.8	163.9
185.0	44.9	123.3	245.0	36.5	81.4	305.0	53.6	175.1
186.0	44.9	123.3	246.0	35.8	78.1	306.0	55.1	185.6
187.0	44.9	123.3	247.0	35.0	74.8	307.0	56.7	196.4
188.0	44.9	123.3	248.0	34.2	71.5	308.0	58.3	207.6
189.0	44.9	123.3	249.0	33.4	68.3	309.0	59.9	219.0
190.0	44.9	123.3	250.0	32.6	65.1	310.0	61.5	230.7
191.0	44.9	123.3	251.0	31.8	61.8	311.0	63.0	242.0
192.0	44.9	123.3	252.0	31.0	58.5	312.0	64.4	253.6
193.0	44.9	123.3	253.0	30.1	55.3	313.0	65.9	265.4
194.0	44.9	123.3	254.0	29.2	52.2	314.0	67.4	277.5
195.0	44.9	123.3	255.0	28.3	49.1	315.0	68.9	289.9
196.0	44.9	123.3	256.0	27.3	45.4	316.0	70.2	301.2
197.0	45.0	123.4	257.0	26.2	41.8	317.0	71.6	312.8
198.0	45.0	123.4	258.0	25.1	38.3	318.0	72.9	324.6
199.0	45.0	123.5	259.0	23.9	34.9	319.0	74.3	336.6
200.0	45.0	123.5	260.0	22.8	31.7	320.0	75.6	348.9
201.0	45.0	123.6	261.0	21.5	28.3	321.0	76.8	360.3
202.0	45.0	123.7	262.0	20.2	25.0	322.0	78.0	371.9
203.0	45.0	123.7	263.0	19.0	21.9	323.0	79.3	383.8
204.0	45.0	123.8	264.0	17.6	19.0	324.0	80.5	395.8
205.0	45.0	123.9	265.0	16.3	16.3	325.0	81.7	407.9
206.0	45.0	123.9	266.0	15.2	14.2	326.0	82.9	419.1
207.0	45.1	123.9	267.0	14.1	12.2	327.0	84.0	430.4
208.0	45.1	124.0	268.0	13.0	10.4	328.0	85.1	441.9
209.0	45.1	124.0	269.0	11.9	8.7	329.0	86.2	453.5
210.0	45.1	124.0	270.0	10.0	6.1	330.0	87.3	465.3
211.0	45.1	124.0	271.0	9.8	5.9	331.0	88.2	474.9
212.0	45.1	124.0	272.0	9.6	5.7	332.0	89.1	484.5
213.0	45.1	124.0	273.0	9.4	5.4	333.0	90.0	494.2
214.0	45.1	124.1	274.0	9.2	5.2	334.0	90.9	504.0
215.0	45.1	124.1	275.0	9.0	5.0	335.0	91.7	513.9
216.0	45.1	124.0	276.0	9.8	5.8	336.0	92.5	521.9
217.0	45.0	123.8	277.0	10.5	6.7	337.0	93.2	529.9
218.0	45.0	123.7	278.0	11.2	7.7	338.0	93.9	538.0
219.0	45.0	123.6	279.0	12.0	8.8	339.0	94.6	546.1
220.0	45.0	123.4	280.0	12.7	9.9	340.0	95.3	554.3
221.0	44.8	122.3	281.0	14.0	11.9	341.0	95.7	559.5
222.0	44.5	121.0	282.0	15.3	14.2	342.0	96.2	564.8
223.0	44.3	119.7	283.0	16.6	16.7	343.0	96.6	570.1
224.0	44.0	118.3	284.0	17.8	19.4	344.0	97.1	575.4
225.0	43.8	116.9	285.0	19.1	22.3	345.0	97.5	580.7
226.0	43.5	115.7	286.0	20.7	26.2	346.0	97.9	584.7
227.0	43.3	114.4	287.0	22.3	30.5	347.0	98.2	588.6
228.0	43.1	113.2	288.0	23.9	35.0	348.0	98.5	592.7
229.0	42.8	111.9	289.0	25.5	39.9	349.0	98.9	596.7
230.0	42.6	110.6	290.0	27.2	45.0	350.0	99.2	600.7
231.0	42.3	109.1	291.0	28.9	51.1	351.0	99.3	601.9
232.0	42.0	107.7	292.0	30.7	57.5	352.0	99.4	603.2
233.0	41.7	106.2	293.0	32.5	64.3	353.0	99.5	604.4
234.0	41.4	104.7	294.0	34.2	71.5	354.0	99.6	605.6
235.0	41.1	103.2	295.0	36.0	79.1	355.0	99.7	606.9
236.0	40.7	101.3	296.0	37.8	87.0	356.0	99.8	607.6
237.0	40.4	99.5	297.0	39.5	95.4	357.0	99.8	608.4
238.0	40.0	97.6	298.0	41.3	104.1	358.0	99.9	609.1
239.0	39.6	95.8	299.0	43.1	113.3	359.0	99.9	609.8