

TX station: Akh1
Gain solid integration : disabled

Site Name: Labelitaly

General data of Antenna System

TX station	Akh1
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-AKH_1 DIPOLE FM WB
Antenna base diagrams type 2	-
Polarization (H/V/C/X)	V
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	AKH_1 DIPOLE FM WB
Band start(MHz)	88
Band stop(MHz)	108
diagrams Frequency(MHz)	98
Polariz (H,V,C,X)	V
Vertical dist (cm)	260
Height (cm)	140
Width (cm)	6
Thickness (cm)	90
Weight (Kg)	4.5
Maximum power (KW)	2
Gain (dBd)	2.16
North E.C. (cm)	0
East E.C. (cm)	0
Return loss (dB)	20
R.C.Phase (°)	0

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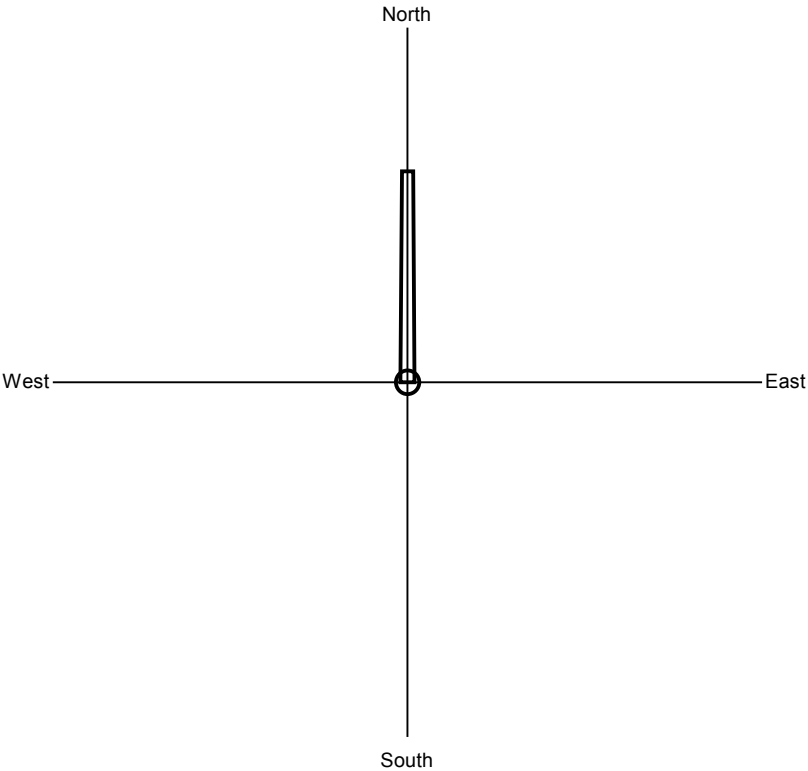
Geometr. and electrical data of Antenna System

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

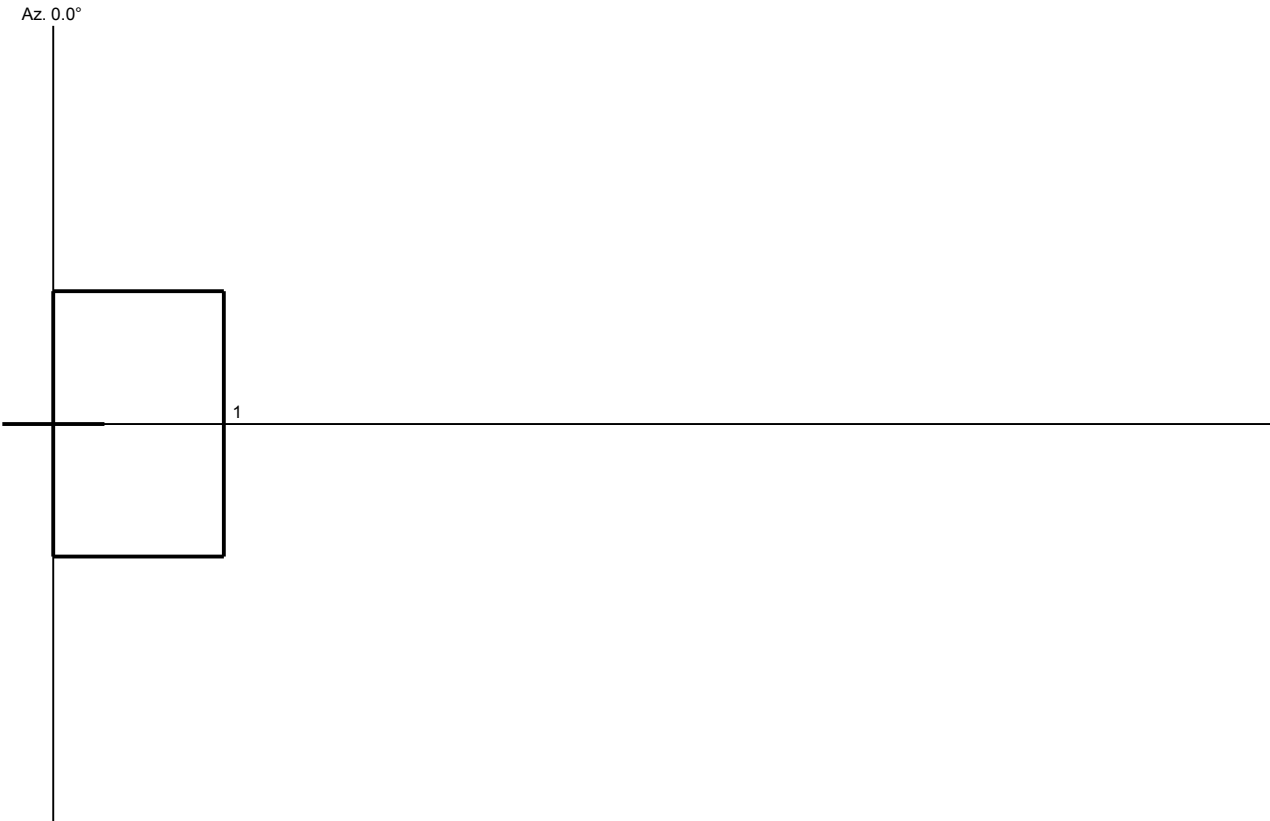
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Plan of antenna system



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)	2.16
G. Distribution losses (dB)	0.00
H. Nominal max gain [F - G] (dBd)	2.16
I. Compensation losses (dB)	0.00
J. Effec. max gain [H - I] (dBd)	2.16
K. Effec. max gain (times)	1.64
L. Effec. max power [E * K] (KW)	1.6444
M. Max power depr. angle (°)	0.0
N. Max power az. angle (°)	340

Diagram in dBK calculated at horizon

Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK
0	2.2	90	-0.7	180	-4.0	270	-0.7
10	2.2	100	-1.6	190	-4.0	280	0.1
20	2.2	110	-2.5	200	-3.9	290	0.8
30	2.1	120	-3.1	210	-3.9	300	1.3
40	2.0	130	-3.5	220	-3.7	310	1.8
50	1.8	140	-3.7	230	-3.5	320	2.0
60	1.3	150	-3.9	240	-3.1	330	2.1
70	0.8	160	-3.9	250	-2.5	340	2.2
80	0.1	170	-4.0	260	-1.6	350	2.2

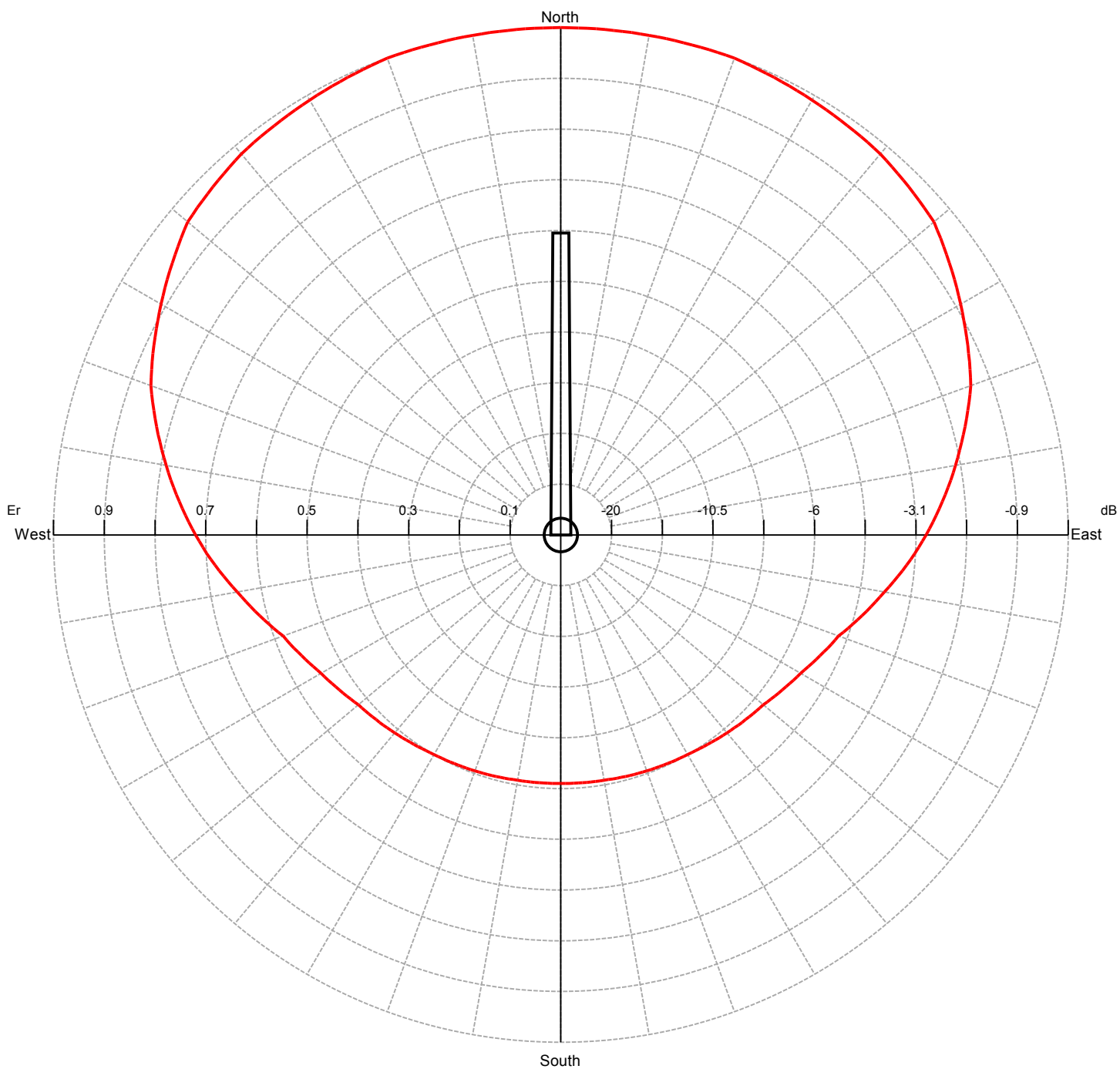
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Horizontal diagram at 0.0° depres. (Total Antenna)



0.0° depres. (Total Antenna), Gain (dBd): 2.16

ERP T.Max(KW): 1.6444 ERP E.Max(KW): 1.6444

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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	100.0	1.644	60.0	91.0	1.362	120.0	54.6	0.490
1.0	100.0	1.644	61.0	90.5	1.347	121.0	54.3	0.485
2.0	100.0	1.644	62.0	90.0	1.332	122.0	54.1	0.480
3.0	100.0	1.644	63.0	89.5	1.317	123.0	53.8	0.476
4.0	100.0	1.644	64.0	89.0	1.303	124.0	53.5	0.472
5.0	100.0	1.644	65.0	88.5	1.288	125.0	53.3	0.467
6.0	100.0	1.644	66.0	88.0	1.273	126.0	53.1	0.463
7.0	100.0	1.644	67.0	87.5	1.259	127.0	52.8	0.459
8.0	100.0	1.644	68.0	87.0	1.245	128.0	52.6	0.455
9.0	100.0	1.644	69.0	86.5	1.230	129.0	52.3	0.451
10.0	100.0	1.644	70.0	86.0	1.216	130.0	52.1	0.447
11.0	100.0	1.644	71.0	85.3	1.196	131.0	52.0	0.445
12.0	100.0	1.644	72.0	84.6	1.177	132.0	51.9	0.442
13.0	100.0	1.644	73.0	83.9	1.158	133.0	51.7	0.440
14.0	100.0	1.644	74.0	83.2	1.138	134.0	51.6	0.438
15.0	100.0	1.644	75.0	82.5	1.119	135.0	51.5	0.436
16.0	100.0	1.644	76.0	81.8	1.100	136.0	51.4	0.434
17.0	100.0	1.644	77.0	81.1	1.082	137.0	51.3	0.432
18.0	100.0	1.644	78.0	80.4	1.063	138.0	51.2	0.431
19.0	100.0	1.644	79.0	79.7	1.045	139.0	51.1	0.429
20.0	100.0	1.644	80.0	79.0	1.026	140.0	51.0	0.427
21.0	99.9	1.641	81.0	78.3	1.008	141.0	50.8	0.425
22.0	99.8	1.638	82.0	77.6	0.990	142.0	50.7	0.423
23.0	99.7	1.635	83.0	76.9	0.972	143.0	50.6	0.422
24.0	99.6	1.631	84.0	76.2	0.955	144.0	50.5	0.420
25.0	99.5	1.628	85.0	75.5	0.937	145.0	50.4	0.419
26.0	99.4	1.625	86.0	74.8	0.920	146.0	50.4	0.417
27.0	99.3	1.621	87.0	74.1	0.903	147.0	50.3	0.415
28.0	99.2	1.618	88.0	73.4	0.886	148.0	50.2	0.414
29.0	99.1	1.615	89.0	72.7	0.869	149.0	50.1	0.412
30.0	99.0	1.612	90.0	72.0	0.852	150.0	50.0	0.411
31.0	98.9	1.608	91.0	71.3	0.836	151.0	49.9	0.410
32.0	98.8	1.605	92.0	70.6	0.820	152.0	49.9	0.409
33.0	98.7	1.602	93.0	69.9	0.803	153.0	49.8	0.408
34.0	98.6	1.599	94.0	69.2	0.787	154.0	49.8	0.408
35.0	98.5	1.595	95.0	68.4	0.770	155.0	49.7	0.407
36.0	98.4	1.592	96.0	67.7	0.754	156.0	49.7	0.406
37.0	98.3	1.589	97.0	67.0	0.738	157.0	49.6	0.405
38.0	98.2	1.586	98.0	66.2	0.721	158.0	49.6	0.404
39.0	98.1	1.582	99.0	65.5	0.705	159.0	49.6	0.404
40.0	98.0	1.579	100.0	64.8	0.690	160.0	49.5	0.403
41.0	97.8	1.573	101.0	64.1	0.676	161.0	49.5	0.402
42.0	97.6	1.566	102.0	63.4	0.662	162.0	49.4	0.402
43.0	97.4	1.560	103.0	62.8	0.648	163.0	49.4	0.401
44.0	97.2	1.554	104.0	62.1	0.635	164.0	49.3	0.400
45.0	97.0	1.547	105.0	61.5	0.621	165.0	49.3	0.400
46.0	96.8	1.541	106.0	60.8	0.608	166.0	49.3	0.399
47.0	96.6	1.534	107.0	60.2	0.595	167.0	49.2	0.398
48.0	96.4	1.528	108.0	59.5	0.583	168.0	49.2	0.398
49.0	96.2	1.522	109.0	58.9	0.571	169.0	49.1	0.397
50.0	96.0	1.515	110.0	58.3	0.558	170.0	49.1	0.397
51.0	95.5	1.500	111.0	57.9	0.551	171.0	49.1	0.396
52.0	95.0	1.484	112.0	57.5	0.544	172.0	49.1	0.396
53.0	94.5	1.468	113.0	57.1	0.537	173.0	49.1	0.396
54.0	94.0	1.453	114.0	56.7	0.530	174.0	49.1	0.396
55.0	93.5	1.438	115.0	56.4	0.523	175.0	49.1	0.396
56.0	93.0	1.422	116.0	56.0	0.516	176.0	49.0	0.395
57.0	92.5	1.407	117.0	55.6	0.509	177.0	49.0	0.395
58.0	92.0	1.392	118.0	55.3	0.503	178.0	49.0	0.395
59.0	91.5	1.377	119.0	54.9	0.496	179.0	49.0	0.395

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Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)
180.0	49.0	0.395	240.0	54.6	0.490	300.0	91.0	1.362
181.0	49.0	0.395	241.0	54.9	0.496	301.0	91.5	1.377
182.0	49.0	0.395	242.0	55.3	0.503	302.0	92.0	1.392
183.0	49.0	0.395	243.0	55.6	0.509	303.0	92.5	1.407
184.0	49.0	0.395	244.0	56.0	0.516	304.0	93.0	1.422
185.0	49.1	0.396	245.0	56.4	0.523	305.0	93.5	1.438
186.0	49.1	0.396	246.0	56.7	0.530	306.0	94.0	1.453
187.0	49.1	0.396	247.0	57.1	0.537	307.0	94.5	1.468
188.0	49.1	0.396	248.0	57.5	0.544	308.0	95.0	1.484
189.0	49.1	0.396	249.0	57.9	0.551	309.0	95.5	1.500
190.0	49.1	0.397	250.0	58.3	0.558	310.0	96.0	1.515
191.0	49.1	0.397	251.0	58.9	0.571	311.0	96.2	1.522
192.0	49.2	0.398	252.0	59.5	0.583	312.0	96.4	1.528
193.0	49.2	0.398	253.0	60.2	0.595	313.0	96.6	1.534
194.0	49.3	0.399	254.0	60.8	0.608	314.0	96.8	1.541
195.0	49.3	0.400	255.0	61.5	0.621	315.0	97.0	1.547
196.0	49.3	0.400	256.0	62.1	0.635	316.0	97.2	1.554
197.0	49.4	0.401	257.0	62.8	0.648	317.0	97.4	1.560
198.0	49.4	0.402	258.0	63.4	0.662	318.0	97.6	1.566
199.0	49.5	0.402	259.0	64.1	0.676	319.0	97.8	1.573
200.0	49.5	0.403	260.0	64.8	0.690	320.0	98.0	1.579
201.0	49.6	0.404	261.0	65.5	0.705	321.0	98.1	1.582
202.0	49.6	0.404	262.0	66.2	0.721	322.0	98.2	1.586
203.0	49.6	0.405	263.0	67.0	0.738	323.0	98.3	1.589
204.0	49.7	0.406	264.0	67.7	0.754	324.0	98.4	1.592
205.0	49.7	0.407	265.0	68.4	0.770	325.0	98.5	1.595
206.0	49.8	0.408	266.0	69.2	0.787	326.0	98.6	1.599
207.0	49.8	0.408	267.0	69.9	0.803	327.0	98.7	1.602
208.0	49.9	0.409	268.0	70.6	0.820	328.0	98.8	1.605
209.0	49.9	0.410	269.0	71.3	0.836	329.0	98.9	1.608
210.0	50.0	0.411	270.0	72.0	0.852	330.0	99.0	1.612
211.0	50.1	0.412	271.0	72.7	0.869	331.0	99.1	1.615
212.0	50.2	0.414	272.0	73.4	0.886	332.0	99.2	1.618
213.0	50.3	0.415	273.0	74.1	0.903	333.0	99.3	1.621
214.0	50.4	0.417	274.0	74.8	0.920	334.0	99.4	1.625
215.0	50.4	0.419	275.0	75.5	0.937	335.0	99.5	1.628
216.0	50.5	0.420	276.0	76.2	0.955	336.0	99.6	1.631
217.0	50.6	0.422	277.0	76.9	0.972	337.0	99.7	1.635
218.0	50.7	0.423	278.0	77.6	0.990	338.0	99.8	1.638
219.0	50.8	0.425	279.0	78.3	1.008	339.0	99.9	1.641
220.0	51.0	0.427	280.0	79.0	1.026	340.0	100.0	1.644
221.0	51.1	0.429	281.0	79.7	1.045	341.0	100.0	1.644
222.0	51.2	0.431	282.0	80.4	1.063	342.0	100.0	1.644
223.0	51.3	0.432	283.0	81.1	1.082	343.0	100.0	1.644
224.0	51.4	0.434	284.0	81.8	1.100	344.0	100.0	1.644
225.0	51.5	0.436	285.0	82.5	1.119	345.0	100.0	1.644
226.0	51.6	0.438	286.0	83.2	1.138	346.0	100.0	1.644
227.0	51.7	0.440	287.0	83.9	1.158	347.0	100.0	1.644
228.0	51.9	0.442	288.0	84.6	1.177	348.0	100.0	1.644
229.0	52.0	0.445	289.0	85.3	1.196	349.0	100.0	1.644
230.0	52.1	0.447	290.0	86.0	1.216	350.0	100.0	1.644
231.0	52.3	0.451	291.0	86.5	1.230	351.0	100.0	1.644
232.0	52.6	0.455	292.0	87.0	1.245	352.0	100.0	1.644
233.0	52.8	0.459	293.0	87.5	1.259	353.0	100.0	1.644
234.0	53.1	0.463	294.0	88.0	1.273	354.0	100.0	1.644
235.0	53.3	0.467	295.0	88.5	1.288	355.0	100.0	1.644
236.0	53.5	0.472	296.0	89.0	1.303	356.0	100.0	1.644
237.0	53.8	0.476	297.0	89.5	1.317	357.0	100.0	1.644
238.0	54.1	0.480	298.0	90.0	1.332	358.0	100.0	1.644
239.0	54.3	0.485	299.0	90.5	1.347	359.0	100.0	1.644

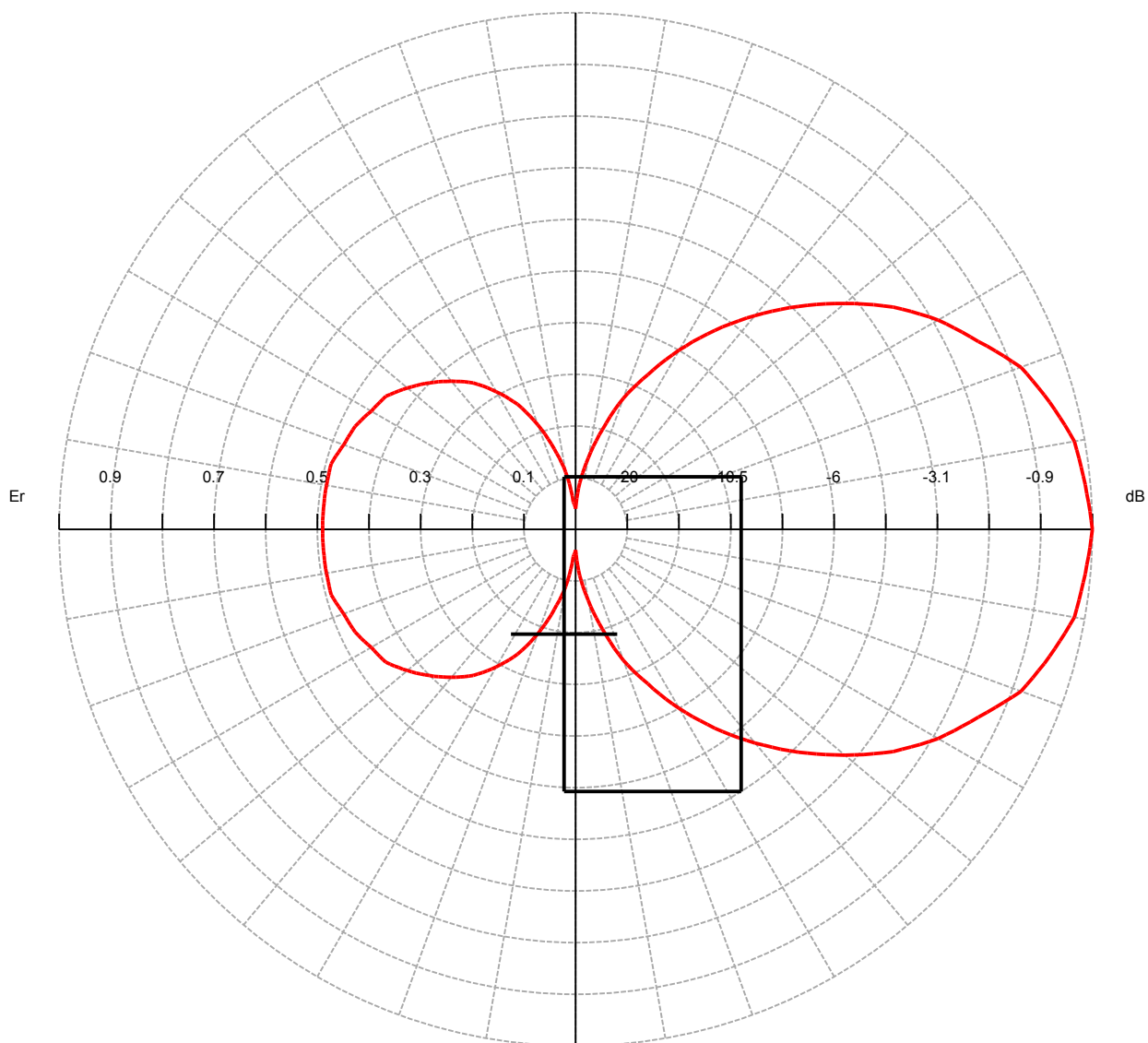
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Vertical diagram at an azimuth of 0.0° degrees



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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	1.644	60.0	40.0	0.263	120.0	30.7	0.155
1.0	99.8	1.638	61.0	38.6	0.245	121.0	31.5	0.163
2.0	99.6	1.631	62.0	37.2	0.228	122.0	32.3	0.172
3.0	99.4	1.625	63.0	35.8	0.211	123.0	33.1	0.180
4.0	99.2	1.618	64.0	34.4	0.195	124.0	33.8	0.188
5.0	99.0	1.612	65.0	33.0	0.179	125.0	34.6	0.197
6.0	98.8	1.605	66.0	31.8	0.166	126.0	35.1	0.203
7.0	98.6	1.599	67.0	30.6	0.154	127.0	35.7	0.210
8.0	98.4	1.592	68.0	29.4	0.142	128.0	36.3	0.217
9.0	98.2	1.586	69.0	28.2	0.131	129.0	36.8	0.223
10.0	98.0	1.579	70.0	27.0	0.120	130.0	37.4	0.230
11.0	97.4	1.560	71.0	25.6	0.108	131.0	37.9	0.237
12.0	96.8	1.541	72.0	24.2	0.096	132.0	38.5	0.244
13.0	96.2	1.522	73.0	22.8	0.085	133.0	39.0	0.250
14.0	95.6	1.503	74.0	21.4	0.075	134.0	39.5	0.257
15.0	95.0	1.484	75.0	20.0	0.066	135.0	40.1	0.264
16.0	94.3	1.463	76.0	18.8	0.058	136.0	40.6	0.271
17.0	93.7	1.443	77.0	17.6	0.051	137.0	41.1	0.277
18.0	93.0	1.423	78.0	16.4	0.044	138.0	41.6	0.284
19.0	92.4	1.403	79.0	15.2	0.038	139.0	42.1	0.291
20.0	91.7	1.383	80.0	14.0	0.032	140.0	42.6	0.298
21.0	90.6	1.349	81.0	13.0	0.028	141.0	43.0	0.304
22.0	89.4	1.315	82.0	12.0	0.024	142.0	43.5	0.311
23.0	88.3	1.282	83.0	11.0	0.020	143.0	44.0	0.318
24.0	87.1	1.249	84.0	10.0	0.016	144.0	44.4	0.324
25.0	86.0	1.216	85.0	9.0	0.013	145.0	44.9	0.331
26.0	85.0	1.188	86.0	8.0	0.011	146.0	45.0	0.334
27.0	84.0	1.160	87.0	7.0	0.008	147.0	45.2	0.336
28.0	83.0	1.133	88.0	6.0	0.006	148.0	45.4	0.339
29.0	82.0	1.106	89.0	5.0	0.004	149.0	45.5	0.341
30.0	81.0	1.079	90.0	4.0	0.003	150.0	45.7	0.343
31.0	79.8	1.047	91.0	4.3	0.003	151.0	46.0	0.348
32.0	78.6	1.016	92.0	4.5	0.003	152.0	46.3	0.352
33.0	77.4	0.985	93.0	4.8	0.004	153.0	46.6	0.356
34.0	76.2	0.955	94.0	5.0	0.004	154.0	46.8	0.361
35.0	75.0	0.925	95.0	5.3	0.005	155.0	47.1	0.365
36.0	73.6	0.891	96.0	6.5	0.007	156.0	47.2	0.367
37.0	72.2	0.857	97.0	7.7	0.010	157.0	47.4	0.369
38.0	70.8	0.824	98.0	8.9	0.013	158.0	47.5	0.371
39.0	69.4	0.792	99.0	10.1	0.017	159.0	47.7	0.374
40.0	68.0	0.760	100.0	11.3	0.021	160.0	47.8	0.376
41.0	66.6	0.729	101.0	12.2	0.025	161.0	48.0	0.380
42.0	65.2	0.699	102.0	13.2	0.029	162.0	48.3	0.383
43.0	63.8	0.669	103.0	14.2	0.033	163.0	48.5	0.387
44.0	62.4	0.640	104.0	15.1	0.038	164.0	48.8	0.391
45.0	61.0	0.612	105.0	16.1	0.042	165.0	49.0	0.395
46.0	59.6	0.584	106.0	17.2	0.048	166.0	49.0	0.395
47.0	58.2	0.557	107.0	18.3	0.055	167.0	49.0	0.395
48.0	56.8	0.531	108.0	19.4	0.062	168.0	49.0	0.395
49.0	55.4	0.505	109.0	20.4	0.069	169.0	49.0	0.395
50.0	54.0	0.479	110.0	21.5	0.076	170.0	49.0	0.395
51.0	52.6	0.455	111.0	22.6	0.084	171.0	49.0	0.395
52.0	51.2	0.431	112.0	23.6	0.092	172.0	49.0	0.395
53.0	49.8	0.408	113.0	24.6	0.100	173.0	49.0	0.395
54.0	48.4	0.385	114.0	25.7	0.108	174.0	49.0	0.395
55.0	47.0	0.363	115.0	26.7	0.117	175.0	49.0	0.395
56.0	45.6	0.342	116.0	27.5	0.124	176.0	49.0	0.395
57.0	44.2	0.321	117.0	28.3	0.132	177.0	49.0	0.395
58.0	42.8	0.301	118.0	29.1	0.140	178.0	49.0	0.395
59.0	41.4	0.282	119.0	29.9	0.147	179.0	49.0	0.395

TX station: Akh1
 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	49.0	0.395	240.0	30.7	0.155	300.0	40.0	0.263
181.0	49.0	0.395	241.0	29.9	0.147	301.0	41.4	0.282
182.0	49.0	0.395	242.0	29.1	0.140	302.0	42.8	0.301
183.0	49.0	0.395	243.0	28.3	0.132	303.0	44.2	0.321
184.0	49.0	0.395	244.0	27.5	0.124	304.0	45.6	0.342
185.0	49.0	0.395	245.0	26.7	0.117	305.0	47.0	0.363
186.0	49.0	0.395	246.0	25.7	0.108	306.0	48.4	0.385
187.0	49.0	0.395	247.0	24.6	0.100	307.0	49.8	0.408
188.0	49.0	0.395	248.0	23.6	0.092	308.0	51.2	0.431
189.0	49.0	0.395	249.0	22.6	0.084	309.0	52.6	0.455
190.0	49.0	0.395	250.0	21.5	0.076	310.0	54.0	0.479
191.0	49.0	0.395	251.0	20.4	0.069	311.0	55.4	0.505
192.0	49.0	0.395	252.0	19.4	0.062	312.0	56.8	0.531
193.0	49.0	0.395	253.0	18.3	0.055	313.0	58.2	0.557
194.0	49.0	0.395	254.0	17.2	0.048	314.0	59.6	0.584
195.0	49.0	0.395	255.0	16.1	0.042	315.0	61.0	0.612
196.0	48.8	0.391	256.0	15.1	0.038	316.0	62.4	0.640
197.0	48.5	0.387	257.0	14.2	0.033	317.0	63.8	0.669
198.0	48.3	0.383	258.0	13.2	0.029	318.0	65.2	0.699
199.0	48.0	0.380	259.0	12.2	0.025	319.0	66.6	0.729
200.0	47.8	0.376	260.0	11.3	0.021	320.0	68.0	0.760
201.0	47.7	0.374	261.0	10.1	0.017	321.0	69.4	0.792
202.0	47.5	0.371	262.0	8.9	0.013	322.0	70.8	0.824
203.0	47.4	0.369	263.0	7.7	0.010	323.0	72.2	0.857
204.0	47.2	0.367	264.0	6.5	0.007	324.0	73.6	0.891
205.0	47.1	0.365	265.0	5.3	0.005	325.0	75.0	0.925
206.0	46.8	0.361	266.0	5.0	0.004	326.0	76.2	0.955
207.0	46.6	0.356	267.0	4.8	0.004	327.0	77.4	0.985
208.0	46.3	0.352	268.0	4.5	0.003	328.0	78.6	1.016
209.0	46.0	0.348	269.0	4.3	0.003	329.0	79.8	1.047
210.0	45.7	0.343	270.0	4.0	0.003	330.0	81.0	1.079
211.0	45.5	0.341	271.0	5.0	0.004	331.0	82.0	1.106
212.0	45.4	0.339	272.0	6.0	0.006	332.0	83.0	1.133
213.0	45.2	0.336	273.0	7.0	0.008	333.0	84.0	1.160
214.0	45.0	0.334	274.0	8.0	0.011	334.0	85.0	1.188
215.0	44.9	0.331	275.0	9.0	0.013	335.0	86.0	1.216
216.0	44.4	0.324	276.0	10.0	0.016	336.0	87.1	1.249
217.0	44.0	0.318	277.0	11.0	0.020	337.0	88.3	1.282
218.0	43.5	0.311	278.0	12.0	0.024	338.0	89.4	1.315
219.0	43.0	0.304	279.0	13.0	0.028	339.0	90.6	1.349
220.0	42.6	0.298	280.0	14.0	0.032	340.0	91.7	1.383
221.0	42.1	0.291	281.0	15.2	0.038	341.0	92.4	1.403
222.0	41.6	0.284	282.0	16.4	0.044	342.0	93.0	1.423
223.0	41.1	0.277	283.0	17.6	0.051	343.0	93.7	1.443
224.0	40.6	0.271	284.0	18.8	0.058	344.0	94.3	1.463
225.0	40.1	0.264	285.0	20.0	0.066	345.0	95.0	1.484
226.0	39.5	0.257	286.0	21.4	0.075	346.0	95.6	1.503
227.0	39.0	0.250	287.0	22.8	0.085	347.0	96.2	1.522
228.0	38.5	0.244	288.0	24.2	0.096	348.0	96.8	1.541
229.0	37.9	0.237	289.0	25.6	0.108	349.0	97.4	1.560
230.0	37.4	0.230	290.0	27.0	0.120	350.0	98.0	1.579
231.0	36.8	0.223	291.0	28.2	0.131	351.0	98.2	1.586
232.0	36.3	0.217	292.0	29.4	0.142	352.0	98.4	1.592
233.0	35.7	0.210	293.0	30.6	0.154	353.0	98.6	1.599
234.0	35.1	0.203	294.0	31.8	0.166	354.0	98.8	1.605
235.0	34.6	0.197	295.0	33.0	0.179	355.0	99.0	1.612
236.0	33.8	0.188	296.0	34.4	0.195	356.0	99.2	1.618
237.0	33.1	0.180	297.0	35.8	0.211	357.0	99.4	1.625
238.0	32.3	0.172	298.0	37.2	0.228	358.0	99.6	1.631
239.0	31.5	0.163	299.0	38.6	0.245	359.0	99.8	1.638