

TX station: Bkv3

Gain solid integration : disabled

Site Name: Labelitaly

**General data of Antenna System**

TX station	Bkv3
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)	200.000
Antenna system central frequency (MHz)	200.000
Antenna base diagrams type 1	LABEL ITALY-BKV_3 YAGI 3 ELEM. VHF 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	BKV_3 YAGI 3 ELEM.
Band start(MHz)	174
Band stop(MHz)	225
diagrams Frequency(MHz)	200
Polariz (H,V,C,X)	V
Vertical dist (cm)	135
Height (cm)	88
Width (cm)	6
Thickness (cm)	79
Weight (Kg)	5
Maximum power (KW)	2
Gain (dBd)	5
North E.C. (cm)	0
East E.C. (cm)	0
Return loss (dB)	20
R.C.Phase (°)	0

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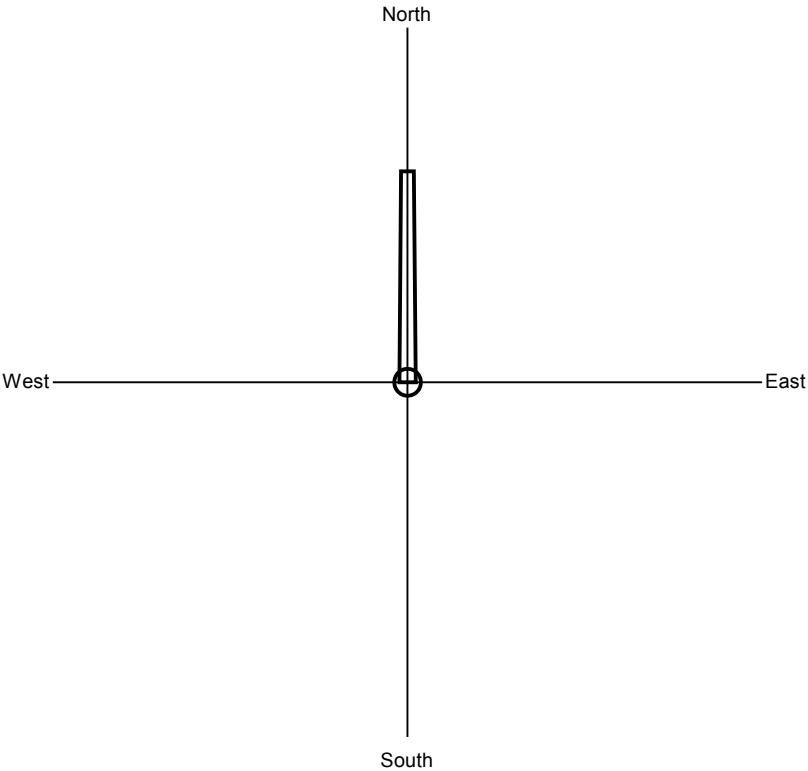
Geometr. and electrical data of Antenna System

	<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

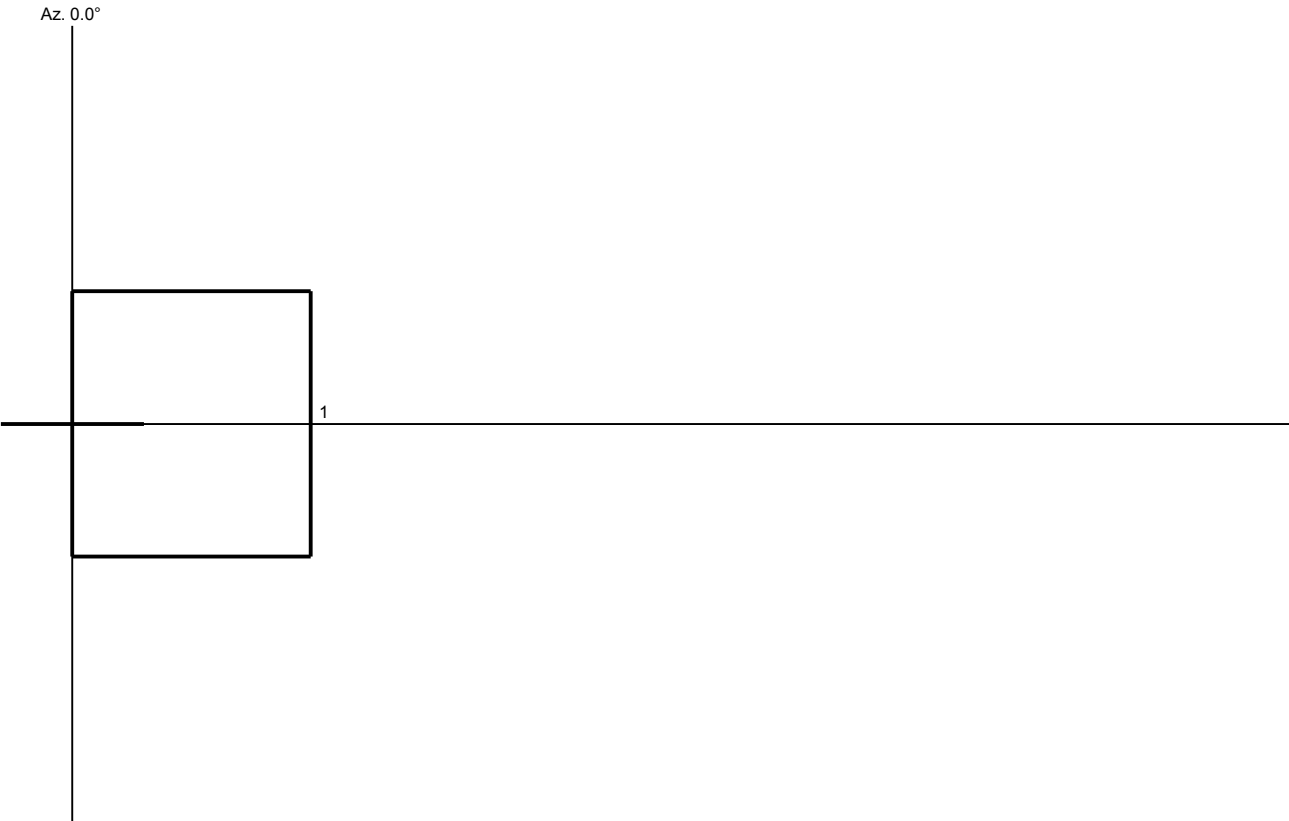
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Plan of antenna system



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)	5.00
G. Distribution losses (dB)	0.00
H. Nominal max gain [F - G] (dBd)	5.00
I. Compensation losses (dB)	0.00
J. Effec. max gain [H - I] (dBd)	5.00
K. Effec. max gain (times)	3.16
L. Effec. max power [E * K] (KW)	3.1623
M. Max power depr. angle (°)	0.0
N. Max power az. angle (°)	0

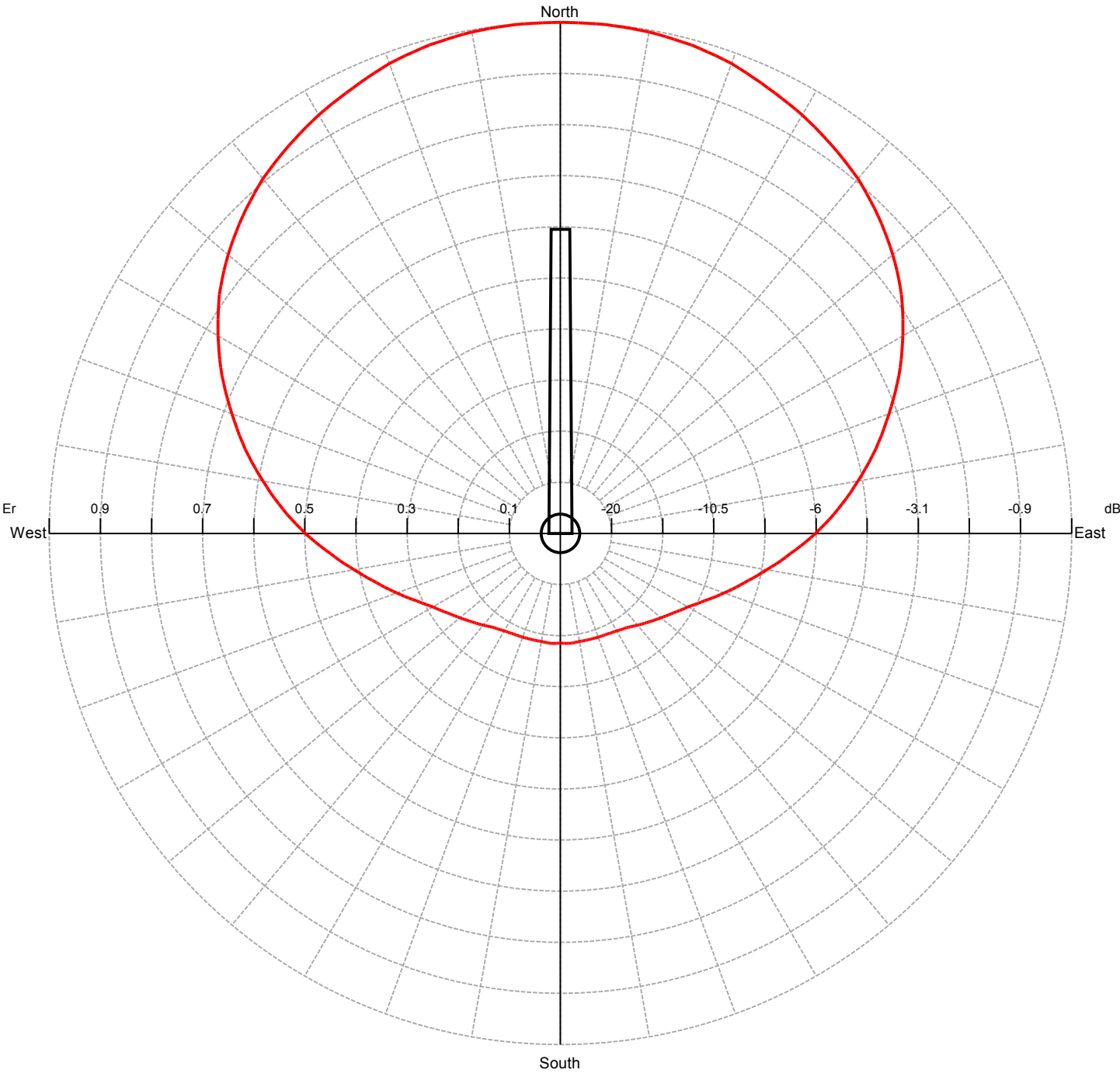
Diagram in dBK calculated at horizon

Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK
0	5.0	90	-1.0	180	-8.4	270	-1.0
10	5.0	100	-2.8	190	-8.4	280	0.4
20	4.8	110	-4.4	200	-8.3	290	1.7
30	4.5	120	-5.8	210	-8.1	300	2.8
40	4.1	130	-6.8	220	-7.6	310	3.6
50	3.6	140	-7.6	230	-6.8	320	4.1
60	2.8	150	-8.1	240	-5.8	330	4.5
70	1.7	160	-8.3	250	-4.4	340	4.8
80	0.4	170	-8.4	260	-2.8	350	5.0

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Horizontal diagram at 0.0° depres. (Total Antenna)



0.0° depres. (Total Antenna), Gain (dBd): 5 ERP T.Max(KW): 3.1623 ERP E.Max(KW): 3.1623

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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	3.162	60.0	77.4	1.892	120.0	28.8	0.262
1.0	100.0	3.162	61.0	76.5	1.851	121.0	28.4	0.256
2.0	100.0	3.161	62.0	75.6	1.809	122.0	28.1	0.249
3.0	100.0	3.160	63.0	74.8	1.769	123.0	27.7	0.243
4.0	100.0	3.160	64.0	73.9	1.728	124.0	27.4	0.237
5.0	99.9	3.159	65.0	73.1	1.688	125.0	27.1	0.232
6.0	99.9	3.155	66.0	72.1	1.645	126.0	26.8	0.227
7.0	99.8	3.152	67.0	71.2	1.603	127.0	26.5	0.222
8.0	99.8	3.148	68.0	70.3	1.561	128.0	26.2	0.217
9.0	99.7	3.144	69.0	69.3	1.519	129.0	25.9	0.213
10.0	99.6	3.140	70.0	68.4	1.479	130.0	25.7	0.208
11.0	99.5	3.131	71.0	67.5	1.440	131.0	25.4	0.205
12.0	99.4	3.123	72.0	66.6	1.401	132.0	25.2	0.201
13.0	99.2	3.114	73.0	65.7	1.363	133.0	25.0	0.197
14.0	99.1	3.105	74.0	64.8	1.326	134.0	24.7	0.193
15.0	98.9	3.096	75.0	63.8	1.289	135.0	24.5	0.189
16.0	98.7	3.083	76.0	62.9	1.251	136.0	24.3	0.186
17.0	98.5	3.069	77.0	62.0	1.214	137.0	24.1	0.183
18.0	98.3	3.055	78.0	61.0	1.177	138.0	23.9	0.180
19.0	98.1	3.042	79.0	60.1	1.140	139.0	23.6	0.177
20.0	97.9	3.028	80.0	59.1	1.105	140.0	23.4	0.174
21.0	97.5	3.007	81.0	58.2	1.071	141.0	23.3	0.171
22.0	97.2	2.986	82.0	57.3	1.037	142.0	23.1	0.168
23.0	96.8	2.966	83.0	56.4	1.004	143.0	22.9	0.166
24.0	96.5	2.945	84.0	55.4	0.972	144.0	22.7	0.163
25.0	96.2	2.924	85.0	54.5	0.940	145.0	22.5	0.160
26.0	95.8	2.905	86.0	53.6	0.909	146.0	22.4	0.159
27.0	95.5	2.886	87.0	52.7	0.878	147.0	22.3	0.158
28.0	95.2	2.866	88.0	51.8	0.847	148.0	22.2	0.156
29.0	94.9	2.847	89.0	50.8	0.817	149.0	22.1	0.155
30.0	94.6	2.828	90.0	49.9	0.787	150.0	22.0	0.153
31.0	94.2	2.805	91.0	49.0	0.758	151.0	22.0	0.152
32.0	93.8	2.782	92.0	48.0	0.729	152.0	21.9	0.152
33.0	93.4	2.760	93.0	47.1	0.701	153.0	21.8	0.151
34.0	93.0	2.737	94.0	46.1	0.672	154.0	21.8	0.150
35.0	92.7	2.715	95.0	45.1	0.645	155.0	21.7	0.149
36.0	92.2	2.690	96.0	44.3	0.621	156.0	21.7	0.149
37.0	91.8	2.666	97.0	43.5	0.598	157.0	21.7	0.149
38.0	91.4	2.642	98.0	42.6	0.575	158.0	21.7	0.148
39.0	91.0	2.618	99.0	41.8	0.553	159.0	21.6	0.148
40.0	90.6	2.595	100.0	41.0	0.531	160.0	21.6	0.148
41.0	90.0	2.564	101.0	40.2	0.511	161.0	21.6	0.147
42.0	89.5	2.533	102.0	39.5	0.493	162.0	21.6	0.147
43.0	89.0	2.503	103.0	38.7	0.474	163.0	21.6	0.147
44.0	88.4	2.473	104.0	38.0	0.456	164.0	21.5	0.147
45.0	87.9	2.443	105.0	37.2	0.438	165.0	21.5	0.146
46.0	87.3	2.409	106.0	36.6	0.423	166.0	21.5	0.146
47.0	86.7	2.376	107.0	36.0	0.409	167.0	21.5	0.146
48.0	86.1	2.343	108.0	35.3	0.395	168.0	21.5	0.146
49.0	85.5	2.311	109.0	34.7	0.381	169.0	21.5	0.146
50.0	84.9	2.278	110.0	34.1	0.367	170.0	21.5	0.145
51.0	84.2	2.242	111.0	33.5	0.354	171.0	21.5	0.146
52.0	83.5	2.205	112.0	32.9	0.342	172.0	21.5	0.146
53.0	82.8	2.169	113.0	32.3	0.330	173.0	21.5	0.147
54.0	82.1	2.134	114.0	31.7	0.318	174.0	21.6	0.147
55.0	81.5	2.098	115.0	31.2	0.307	175.0	21.6	0.147
56.0	80.6	2.056	116.0	30.7	0.297	176.0	21.6	0.147
57.0	79.8	2.015	117.0	30.2	0.288	177.0	21.5	0.147
58.0	79.0	1.974	118.0	29.7	0.279	178.0	21.5	0.146
59.0	78.2	1.933	119.0	29.2	0.270	179.0	21.5	0.146

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Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)
180.0	21.5	0.145	240.0	28.8	0.262	300.0	77.4	1.892
181.0	21.5	0.146	241.0	29.2	0.270	301.0	78.2	1.933
182.0	21.5	0.146	242.0	29.7	0.279	302.0	79.0	1.974
183.0	21.5	0.147	243.0	30.2	0.288	303.0	79.8	2.015
184.0	21.6	0.147	244.0	30.7	0.297	304.0	80.6	2.056
185.0	21.6	0.147	245.0	31.2	0.307	305.0	81.5	2.098
186.0	21.6	0.147	246.0	31.7	0.318	306.0	82.1	2.134
187.0	21.5	0.147	247.0	32.3	0.330	307.0	82.8	2.169
188.0	21.5	0.146	248.0	32.9	0.342	308.0	83.5	2.205
189.0	21.5	0.146	249.0	33.5	0.354	309.0	84.2	2.242
190.0	21.5	0.145	250.0	34.1	0.367	310.0	84.9	2.278
191.0	21.5	0.146	251.0	34.7	0.381	311.0	85.5	2.311
192.0	21.5	0.146	252.0	35.3	0.395	312.0	86.1	2.343
193.0	21.5	0.146	253.0	36.0	0.409	313.0	86.7	2.376
194.0	21.5	0.146	254.0	36.6	0.423	314.0	87.3	2.409
195.0	21.5	0.146	255.0	37.2	0.438	315.0	87.9	2.443
196.0	21.5	0.147	256.0	38.0	0.456	316.0	88.4	2.473
197.0	21.6	0.147	257.0	38.7	0.474	317.0	89.0	2.503
198.0	21.6	0.147	258.0	39.5	0.493	318.0	89.5	2.533
199.0	21.6	0.147	259.0	40.2	0.511	319.0	90.0	2.564
200.0	21.6	0.148	260.0	41.0	0.531	320.0	90.6	2.595
201.0	21.6	0.148	261.0	41.8	0.553	321.0	91.0	2.618
202.0	21.7	0.148	262.0	42.6	0.575	322.0	91.4	2.642
203.0	21.7	0.149	263.0	43.5	0.598	323.0	91.8	2.666
204.0	21.7	0.149	264.0	44.3	0.621	324.0	92.2	2.690
205.0	21.7	0.149	265.0	45.1	0.645	325.0	92.7	2.715
206.0	21.8	0.150	266.0	46.1	0.672	326.0	93.0	2.737
207.0	21.8	0.151	267.0	47.1	0.701	327.0	93.4	2.760
208.0	21.9	0.152	268.0	48.0	0.729	328.0	93.8	2.782
209.0	22.0	0.152	269.0	49.0	0.758	329.0	94.2	2.805
210.0	22.0	0.153	270.0	49.9	0.787	330.0	94.6	2.828
211.0	22.1	0.155	271.0	50.8	0.817	331.0	94.9	2.847
212.0	22.2	0.156	272.0	51.8	0.847	332.0	95.2	2.866
213.0	22.3	0.158	273.0	52.7	0.878	333.0	95.5	2.886
214.0	22.4	0.159	274.0	53.6	0.909	334.0	95.8	2.905
215.0	22.5	0.160	275.0	54.5	0.940	335.0	96.2	2.924
216.0	22.7	0.163	276.0	55.4	0.972	336.0	96.5	2.945
217.0	22.9	0.166	277.0	56.4	1.004	337.0	96.8	2.966
218.0	23.1	0.168	278.0	57.3	1.037	338.0	97.2	2.986
219.0	23.3	0.171	279.0	58.2	1.071	339.0	97.5	3.007
220.0	23.4	0.174	280.0	59.1	1.105	340.0	97.9	3.028
221.0	23.6	0.177	281.0	60.1	1.140	341.0	98.1	3.042
222.0	23.9	0.180	282.0	61.0	1.177	342.0	98.3	3.055
223.0	24.1	0.183	283.0	62.0	1.214	343.0	98.5	3.069
224.0	24.3	0.186	284.0	62.9	1.251	344.0	98.7	3.083
225.0	24.5	0.189	285.0	63.8	1.289	345.0	98.9	3.096
226.0	24.7	0.193	286.0	64.8	1.326	346.0	99.1	3.105
227.0	25.0	0.197	287.0	65.7	1.363	347.0	99.2	3.114
228.0	25.2	0.201	288.0	66.6	1.401	348.0	99.4	3.123
229.0	25.4	0.205	289.0	67.5	1.440	349.0	99.5	3.131
230.0	25.7	0.208	290.0	68.4	1.479	350.0	99.6	3.140
231.0	25.9	0.213	291.0	69.3	1.519	351.0	99.7	3.144
232.0	26.2	0.217	292.0	70.3	1.561	352.0	99.8	3.148
233.0	26.5	0.222	293.0	71.2	1.603	353.0	99.8	3.152
234.0	26.8	0.227	294.0	72.1	1.645	354.0	99.9	3.155
235.0	27.1	0.232	295.0	73.1	1.688	355.0	99.9	3.159
236.0	27.4	0.237	296.0	73.9	1.728	356.0	100.0	3.160
237.0	27.7	0.243	297.0	74.8	1.769	357.0	100.0	3.160
238.0	28.1	0.249	298.0	75.6	1.809	358.0	100.0	3.161
239.0	28.4	0.256	299.0	76.5	1.851	359.0	100.0	3.162

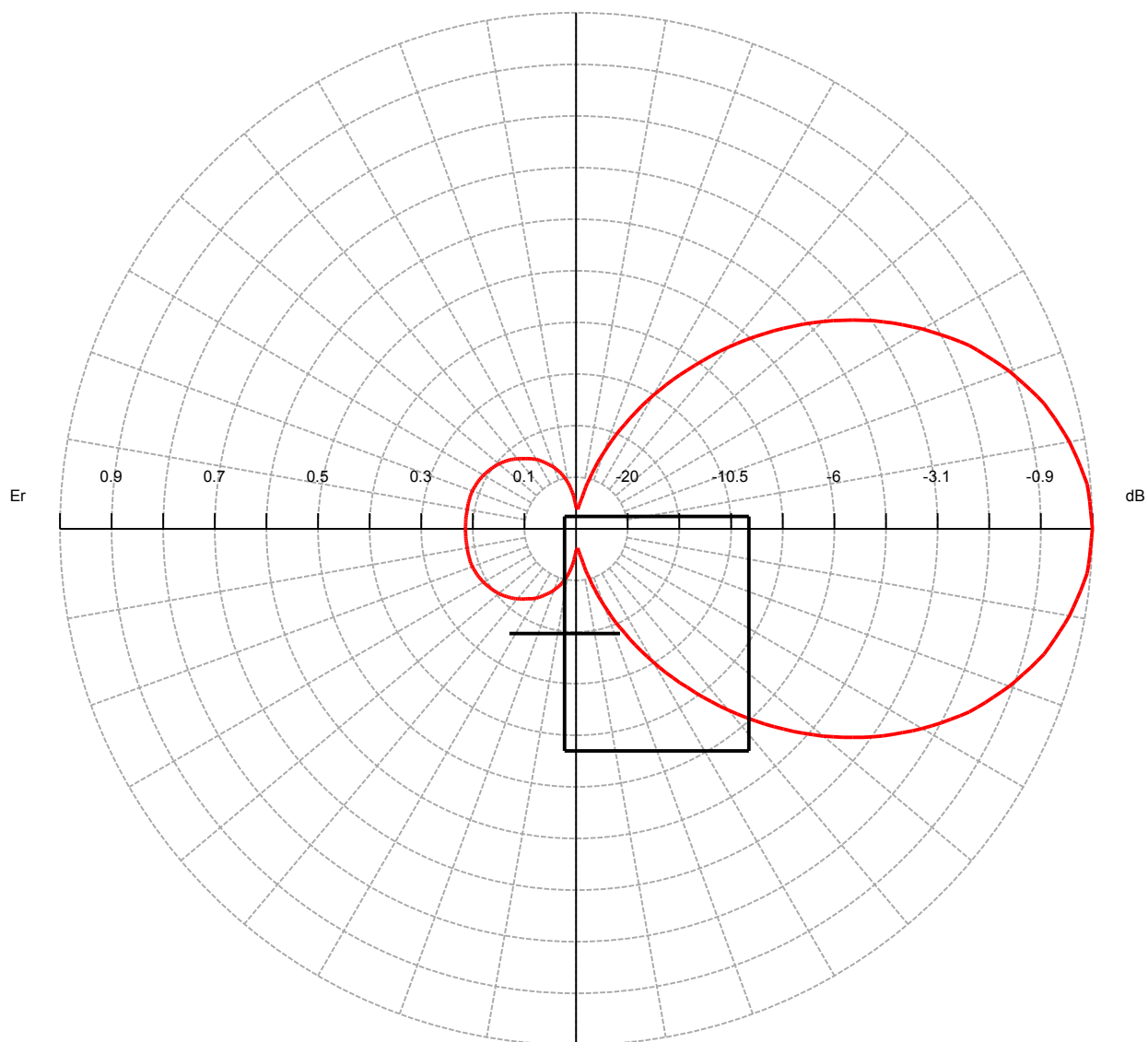
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## Vertical diagram at an azimuth of 0.0° degrees



0.0° Az. (Total Antenna), Gain (dBd): 5

ERP T.Max(KW): 3.1623 ERP E.Max(KW): 3.1623



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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	3.162	60.0	29.8	0.281	120.0	15.5	0.076
1.0	99.9	3.154	61.0	28.3	0.253	121.0	15.7	0.078
2.0	99.8	3.147	62.0	26.8	0.227	122.0	16.0	0.081
3.0	99.6	3.139	63.0	25.3	0.203	123.0	16.2	0.083
4.0	99.5	3.131	64.0	23.8	0.180	124.0	16.4	0.085
5.0	99.4	3.123	65.0	22.4	0.158	125.0	16.6	0.087
6.0	98.9	3.094	66.0	21.1	0.140	126.0	16.8	0.089
7.0	98.4	3.065	67.0	19.7	0.123	127.0	17.0	0.092
8.0	98.0	3.036	68.0	18.4	0.107	128.0	17.3	0.094
9.0	97.5	3.007	69.0	17.1	0.093	129.0	17.5	0.097
10.0	97.1	2.978	70.0	15.8	0.079	130.0	17.7	0.099
11.0	96.4	2.939	71.0	14.7	0.068	131.0	17.9	0.102
12.0	95.8	2.900	72.0	13.5	0.058	132.0	18.1	0.104
13.0	95.1	2.862	73.0	12.3	0.048	133.0	18.3	0.106
14.0	94.5	2.823	74.0	11.2	0.039	134.0	18.5	0.109
15.0	93.9	2.785	75.0	10.0	0.032	135.0	18.7	0.111
16.0	92.9	2.731	76.0	9.2	0.027	136.0	18.9	0.113
17.0	92.0	2.678	77.0	8.3	0.022	137.0	19.1	0.115
18.0	91.1	2.625	78.0	7.5	0.018	138.0	19.2	0.117
19.0	90.2	2.572	79.0	6.6	0.014	139.0	19.4	0.119
20.0	89.3	2.520	80.0	5.8	0.011	140.0	19.6	0.121
21.0	88.2	2.461	81.0	5.4	0.009	141.0	19.7	0.123
22.0	87.2	2.403	82.0	5.0	0.008	142.0	19.8	0.124
23.0	86.1	2.346	83.0	4.6	0.007	143.0	19.9	0.126
24.0	85.1	2.289	84.0	4.2	0.005	144.0	20.1	0.127
25.0	84.0	2.233	85.0	3.8	0.004	145.0	20.2	0.129
26.0	82.7	2.164	86.0	3.8	0.005	146.0	20.3	0.130
27.0	81.4	2.095	87.0	3.9	0.005	147.0	20.4	0.132
28.0	80.1	2.027	88.0	4.0	0.005	148.0	20.5	0.133
29.0	78.7	1.961	89.0	4.0	0.005	149.0	20.6	0.135
30.0	77.4	1.895	90.0	4.1	0.005	150.0	20.7	0.136
31.0	76.0	1.826	91.0	4.6	0.007	151.0	20.8	0.137
32.0	74.6	1.759	92.0	5.1	0.008	152.0	20.9	0.138
33.0	73.1	1.692	93.0	5.6	0.010	153.0	21.0	0.139
34.0	71.7	1.627	94.0	6.0	0.012	154.0	21.1	0.140
35.0	70.3	1.563	95.0	6.5	0.013	155.0	21.1	0.141
36.0	68.7	1.494	96.0	7.0	0.016	156.0	21.2	0.142
37.0	67.2	1.427	97.0	7.5	0.018	157.0	21.3	0.143
38.0	65.6	1.362	98.0	8.0	0.020	158.0	21.3	0.144
39.0	64.1	1.298	99.0	8.5	0.023	159.0	21.4	0.144
40.0	62.5	1.235	100.0	9.0	0.026	160.0	21.4	0.145
41.0	60.9	1.171	101.0	9.4	0.028	161.0	21.4	0.145
42.0	59.2	1.108	102.0	9.8	0.031	162.0	21.5	0.146
43.0	57.6	1.048	103.0	10.2	0.033	163.0	21.5	0.146
44.0	55.9	0.988	104.0	10.6	0.036	164.0	21.5	0.146
45.0	54.3	0.931	105.0	11.0	0.038	165.0	21.5	0.146
46.0	52.6	0.874	106.0	11.4	0.041	166.0	21.5	0.146
47.0	50.9	0.820	107.0	11.7	0.043	167.0	21.5	0.146
48.0	49.2	0.767	108.0	12.0	0.046	168.0	21.5	0.146
49.0	47.6	0.715	109.0	12.3	0.048	169.0	21.5	0.146
50.0	45.9	0.666	110.0	12.7	0.051	170.0	21.5	0.146
51.0	44.2	0.618	111.0	13.0	0.053	171.0	21.5	0.146
52.0	42.5	0.572	112.0	13.3	0.056	172.0	21.5	0.146
53.0	40.9	0.528	113.0	13.5	0.058	173.0	21.5	0.146
54.0	39.2	0.486	114.0	13.8	0.060	174.0	21.5	0.146
55.0	37.5	0.445	115.0	14.1	0.063	175.0	21.5	0.146
56.0	36.0	0.409	116.0	14.4	0.066	176.0	21.5	0.146
57.0	34.4	0.375	117.0	14.7	0.068	177.0	21.5	0.146
58.0	32.9	0.342	118.0	15.0	0.071	178.0	21.5	0.146
59.0	31.3	0.310	119.0	15.3	0.074	179.0	21.5	0.145

TX station: Bkv3  
 Frequency: 200.00 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	21.5	0.145	240.0	15.5	0.076	300.0	29.8	0.281
181.0	21.5	0.145	241.0	15.3	0.074	301.0	31.3	0.310
182.0	21.5	0.146	242.0	15.0	0.071	302.0	32.9	0.342
183.0	21.5	0.146	243.0	14.7	0.068	303.0	34.4	0.375
184.0	21.5	0.146	244.0	14.4	0.066	304.0	36.0	0.409
185.0	21.5	0.146	245.0	14.1	0.063	305.0	37.5	0.445
186.0	21.5	0.146	246.0	13.8	0.060	306.0	39.2	0.486
187.0	21.5	0.146	247.0	13.5	0.058	307.0	40.9	0.528
188.0	21.5	0.146	248.0	13.3	0.056	308.0	42.5	0.572
189.0	21.5	0.146	249.0	13.0	0.053	309.0	44.2	0.618
190.0	21.5	0.146	250.0	12.7	0.051	310.0	45.9	0.666
191.0	21.5	0.146	251.0	12.3	0.048	311.0	47.6	0.715
192.0	21.5	0.146	252.0	12.0	0.046	312.0	49.2	0.767
193.0	21.5	0.146	253.0	11.7	0.043	313.0	50.9	0.820
194.0	21.5	0.146	254.0	11.4	0.041	314.0	52.6	0.874
195.0	21.5	0.146	255.0	11.0	0.038	315.0	54.3	0.931
196.0	21.5	0.146	256.0	10.6	0.036	316.0	55.9	0.988
197.0	21.5	0.146	257.0	10.2	0.033	317.0	57.6	1.048
198.0	21.5	0.146	258.0	9.8	0.031	318.0	59.2	1.108
199.0	21.4	0.145	259.0	9.4	0.028	319.0	60.9	1.171
200.0	21.4	0.145	260.0	9.0	0.026	320.0	62.5	1.235
201.0	21.4	0.144	261.0	8.5	0.023	321.0	64.1	1.298
202.0	21.3	0.144	262.0	8.0	0.020	322.0	65.6	1.362
203.0	21.3	0.143	263.0	7.5	0.018	323.0	67.2	1.427
204.0	21.2	0.142	264.0	7.0	0.016	324.0	68.7	1.494
205.0	21.1	0.141	265.0	6.5	0.013	325.0	70.3	1.563
206.0	21.1	0.140	266.0	6.0	0.012	326.0	71.7	1.627
207.0	21.0	0.139	267.0	5.6	0.010	327.0	73.1	1.692
208.0	20.9	0.138	268.0	5.1	0.008	328.0	74.6	1.759
209.0	20.8	0.137	269.0	4.6	0.007	329.0	76.0	1.826
210.0	20.7	0.136	270.0	4.1	0.005	330.0	77.4	1.895
211.0	20.6	0.135	271.0	4.0	0.005	331.0	78.7	1.961
212.0	20.5	0.133	272.0	4.0	0.005	332.0	80.1	2.027
213.0	20.4	0.132	273.0	3.9	0.005	333.0	81.4	2.095
214.0	20.3	0.130	274.0	3.8	0.005	334.0	82.7	2.164
215.0	20.2	0.129	275.0	3.8	0.004	335.0	84.0	2.233
216.0	20.1	0.127	276.0	4.2	0.005	336.0	85.1	2.289
217.0	19.9	0.126	277.0	4.6	0.007	337.0	86.1	2.346
218.0	19.8	0.124	278.0	5.0	0.008	338.0	87.2	2.403
219.0	19.7	0.123	279.0	5.4	0.009	339.0	88.2	2.461
220.0	19.6	0.121	280.0	5.8	0.011	340.0	89.3	2.520
221.0	19.4	0.119	281.0	6.6	0.014	341.0	90.2	2.572
222.0	19.2	0.117	282.0	7.5	0.018	342.0	91.1	2.625
223.0	19.1	0.115	283.0	8.3	0.022	343.0	92.0	2.678
224.0	18.9	0.113	284.0	9.2	0.027	344.0	92.9	2.731
225.0	18.7	0.111	285.0	10.0	0.032	345.0	93.9	2.785
226.0	18.5	0.109	286.0	11.2	0.039	346.0	94.5	2.823
227.0	18.3	0.106	287.0	12.3	0.048	347.0	95.1	2.862
228.0	18.1	0.104	288.0	13.5	0.058	348.0	95.8	2.900
229.0	17.9	0.102	289.0	14.7	0.068	349.0	96.4	2.939
230.0	17.7	0.099	290.0	15.8	0.079	350.0	97.1	2.978
231.0	17.5	0.097	291.0	17.1	0.093	351.0	97.5	3.007
232.0	17.3	0.094	292.0	18.4	0.107	352.0	98.0	3.036
233.0	17.0	0.092	293.0	19.7	0.123	353.0	98.4	3.065
234.0	16.8	0.089	294.0	21.1	0.140	354.0	98.9	3.094
235.0	16.6	0.087	295.0	22.4	0.158	355.0	99.4	3.123
236.0	16.4	0.085	296.0	23.8	0.180	356.0	99.5	3.131
237.0	16.2	0.083	297.0	25.3	0.203	357.0	99.6	3.139
238.0	16.0	0.081	298.0	26.8	0.227	358.0	99.8	3.147
239.0	15.7	0.078	299.0	28.3	0.253	359.0	99.9	3.154