

TX station: Bkl8-v
Gain solid integration : disabled

Site Name: Labelitaly

General data of Antenna System

TX station	Bkl8-v
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-BKL_8 LOG 8 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	BKL_8 LOG 8 ELEM.
Band start(MHz)	170
Band stop(MHz)	240
diagrams Frequency(MHz)	200
Polariz (H,V,C,X)	V
Vertical dist (cm)	150
Height (cm)	92
Width (cm)	6
Thickness (cm)	142
Weight (Kg)	4.5
Maximum power (KW)	2
Gain (dBd)	6.4
North E.C. (cm)	0
East E.C. (cm)	0
Return loss (dB)	20
R.C.Phase (°)	0

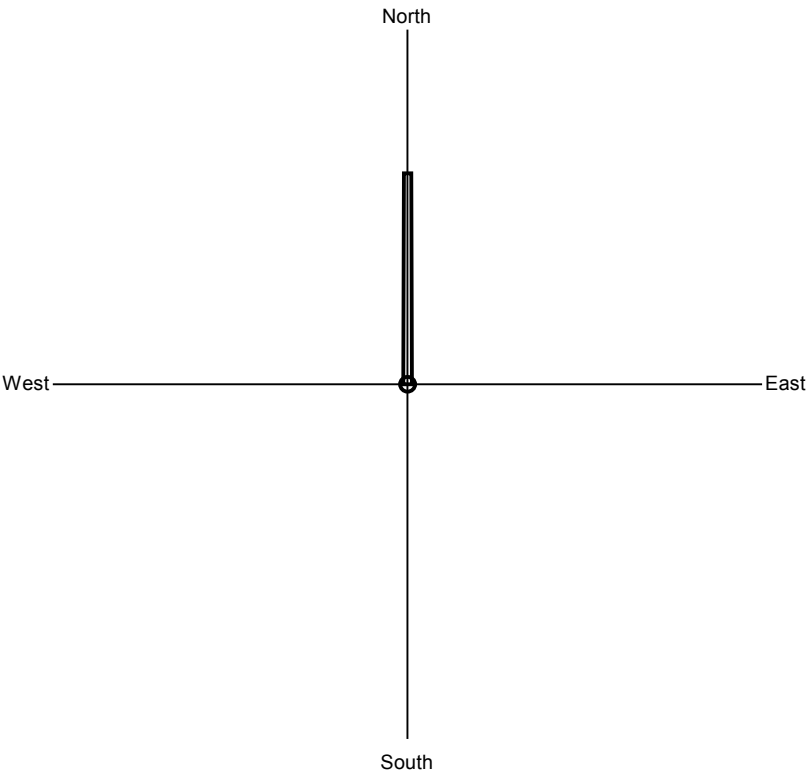
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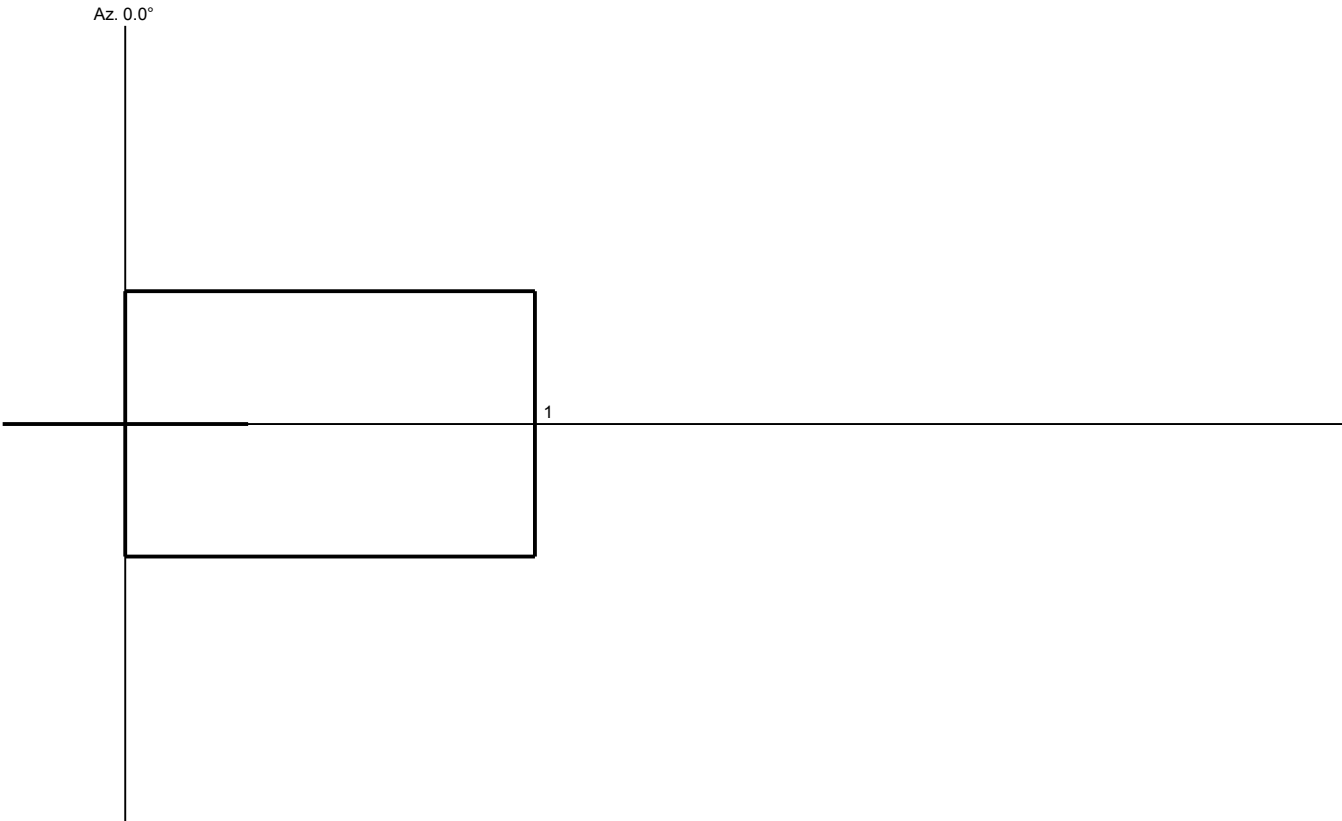
Geometr. and electrical data of Antenna System

	<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

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)	6.40
G. Distribution losses (dB)	0.00
H. Nominal max gain [F - G] (dBd)	6.40
I. Compensation losses (dB)	0.00
J. Effec. max gain [H - I] (dBd)	6.40
K. Effec. max gain (times)	4.37
L. Effec. max power [E * K] (KW)	4.3652
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	6.4	90	-6.8	180	-13.6	270	-6.8
10	6.3	100	-10.6	190	-13.6	280	-3.5
20	5.9	110	-13.6	200	-13.6	290	-0.8
30	5.3	120	-13.6	210	-13.6	300	1.3
40	4.3	130	-13.6	220	-13.6	310	3.0
50	3.0	140	-13.6	230	-13.6	320	4.3
60	1.3	150	-13.6	240	-13.6	330	5.3
70	-0.8	160	-13.6	250	-13.6	340	5.9
80	-3.5	170	-13.6	260	-10.6	350	6.3

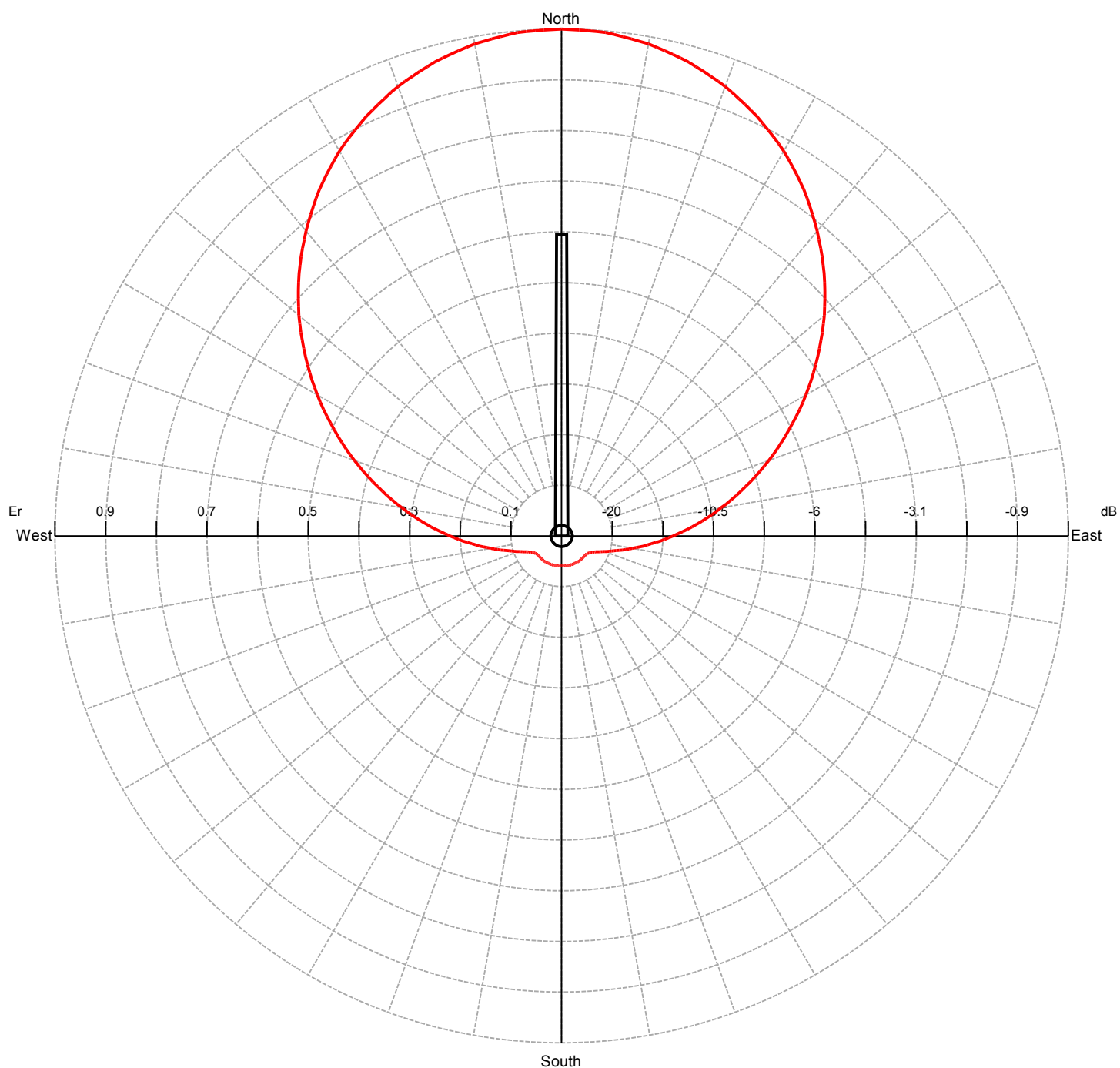
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Horizontal diagram at 0.0° depres. (Total Antenna)



0.0° depres. (Total Antenna), Gain (dBd): 6.4

ERP T.Max(KW): 4.3652 ERP E.Max(KW): 4.3652

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Frequency: 200.00 MHz

Gain solid integration : disabled

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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	4.365	60.0	55.7	1.354	120.0	6.5	0.018
1.0	99.9	4.360	61.0	54.5	1.295	121.0	6.4	0.018
2.0	99.9	4.355	62.0	53.2	1.236	122.0	6.3	0.018
3.0	99.8	4.349	63.0	52.0	1.179	123.0	6.3	0.017
4.0	99.8	4.344	64.0	50.7	1.124	124.0	6.2	0.017
5.0	99.7	4.339	65.0	49.5	1.070	125.0	6.1	0.016
6.0	99.5	4.320	66.0	48.3	1.018	126.0	6.1	0.016
7.0	99.3	4.301	67.0	47.1	0.968	127.0	6.1	0.016
8.0	99.0	4.282	68.0	45.9	0.920	128.0	6.0	0.016
9.0	98.8	4.263	69.0	44.7	0.872	129.0	6.0	0.016
10.0	98.6	4.244	70.0	43.5	0.826	130.0	6.0	0.016
11.0	98.2	4.213	71.0	42.3	0.782	131.0	6.0	0.016
12.0	97.9	4.182	72.0	41.1	0.739	132.0	6.0	0.016
13.0	97.5	4.151	73.0	40.0	0.697	133.0	6.0	0.016
14.0	97.2	4.121	74.0	38.8	0.656	134.0	6.0	0.016
15.0	96.8	4.090	75.0	37.6	0.617	135.0	6.0	0.016
16.0	96.3	4.050	76.0	36.5	0.581	136.0	6.0	0.016
17.0	95.8	4.010	77.0	35.4	0.546	137.0	6.0	0.016
18.0	95.4	3.969	78.0	34.2	0.512	138.0	6.0	0.016
19.0	94.9	3.930	79.0	33.1	0.479	139.0	6.0	0.016
20.0	94.4	3.890	80.0	32.0	0.447	140.0	6.0	0.016
21.0	93.8	3.839	81.0	31.0	0.418	141.0	6.0	0.016
22.0	93.2	3.788	82.0	29.9	0.391	142.0	6.0	0.016
23.0	92.5	3.738	83.0	28.9	0.364	143.0	6.1	0.016
24.0	91.9	3.688	84.0	27.8	0.338	144.0	6.1	0.016
25.0	91.3	3.639	85.0	26.8	0.314	145.0	6.1	0.016
26.0	90.6	3.581	86.0	25.8	0.291	146.0	6.1	0.016
27.0	89.9	3.525	87.0	24.9	0.270	147.0	6.1	0.016
28.0	89.1	3.469	88.0	23.9	0.250	148.0	6.0	0.016
29.0	88.4	3.413	89.0	23.0	0.230	149.0	6.0	0.016
30.0	87.7	3.357	90.0	22.0	0.211	150.0	6.0	0.016
31.0	86.8	3.292	91.0	21.2	0.195	151.0	6.0	0.016
32.0	86.0	3.227	92.0	20.3	0.180	152.0	6.0	0.016
33.0	85.1	3.163	93.0	19.5	0.166	153.0	6.0	0.016
34.0	84.3	3.099	94.0	18.6	0.151	154.0	6.0	0.016
35.0	83.4	3.036	95.0	17.8	0.138	155.0	6.0	0.016
36.0	82.4	2.965	96.0	17.1	0.127	156.0	6.0	0.016
37.0	81.4	2.895	97.0	16.3	0.116	157.0	6.0	0.016
38.0	80.5	2.826	98.0	15.6	0.106	158.0	6.0	0.016
39.0	79.5	2.758	99.0	14.9	0.097	159.0	6.0	0.016
40.0	78.5	2.690	100.0	14.2	0.088	160.0	6.0	0.016
41.0	77.5	2.619	101.0	13.6	0.080	161.0	6.0	0.016
42.0	76.4	2.549	102.0	13.0	0.073	162.0	6.0	0.016
43.0	75.4	2.480	103.0	12.4	0.067	163.0	6.0	0.016
44.0	74.3	2.412	104.0	11.8	0.060	164.0	6.0	0.016
45.0	73.3	2.345	105.0	11.2	0.054	165.0	6.0	0.016
46.0	72.2	2.274	106.0	10.7	0.050	166.0	6.0	0.016
47.0	71.1	2.204	107.0	10.3	0.046	167.0	6.0	0.015
48.0	69.9	2.135	108.0	9.8	0.042	168.0	5.9	0.015
49.0	68.8	2.067	109.0	9.4	0.039	169.0	5.9	0.015
50.0	67.7	2.001	110.0	9.0	0.035	170.0	5.9	0.015
51.0	66.5	1.930	111.0	8.6	0.033	171.0	5.9	0.015
52.0	65.3	1.861	112.0	8.3	0.030	172.0	5.9	0.015
53.0	64.1	1.794	113.0	8.0	0.028	173.0	5.9	0.015
54.0	62.9	1.727	114.0	7.7	0.026	174.0	5.9	0.015
55.0	61.7	1.662	115.0	7.4	0.024	175.0	5.9	0.015
56.0	60.5	1.598	116.0	7.2	0.023	176.0	5.9	0.015
57.0	59.3	1.535	117.0	7.0	0.022	177.0	5.9	0.015
58.0	58.1	1.474	118.0	6.8	0.020	178.0	5.9	0.015
59.0	56.9	1.413	119.0	6.7	0.019	179.0	5.9	0.015

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Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)
180.0	5.9	0.015	240.0	6.5	0.018	300.0	55.7	1.354
181.0	5.9	0.015	241.0	6.7	0.019	301.0	56.9	1.413
182.0	5.9	0.015	242.0	6.8	0.020	302.0	58.1	1.474
183.0	5.9	0.015	243.0	7.0	0.022	303.0	59.3	1.535
184.0	5.9	0.015	244.0	7.2	0.023	304.0	60.5	1.598
185.0	5.9	0.015	245.0	7.4	0.024	305.0	61.7	1.662
186.0	5.9	0.015	246.0	7.7	0.026	306.0	62.9	1.727
187.0	5.9	0.015	247.0	8.0	0.028	307.0	64.1	1.794
188.0	5.9	0.015	248.0	8.3	0.030	308.0	65.3	1.861
189.0	5.9	0.015	249.0	8.6	0.033	309.0	66.5	1.930
190.0	5.9	0.015	250.0	9.0	0.035	310.0	67.7	2.001
191.0	5.9	0.015	251.0	9.4	0.039	311.0	68.8	2.067
192.0	5.9	0.015	252.0	9.8	0.042	312.0	69.9	2.135
193.0	6.0	0.015	253.0	10.3	0.046	313.0	71.1	2.204
194.0	6.0	0.016	254.0	10.7	0.050	314.0	72.2	2.274
195.0	6.0	0.016	255.0	11.2	0.054	315.0	73.3	2.345
196.0	6.0	0.016	256.0	11.8	0.060	316.0	74.3	2.412
197.0	6.0	0.016	257.0	12.4	0.067	317.0	75.4	2.480
198.0	6.0	0.016	258.0	13.0	0.073	318.0	76.4	2.549
199.0	6.0	0.016	259.0	13.6	0.080	319.0	77.5	2.619
200.0	6.0	0.016	260.0	14.2	0.088	320.0	78.5	2.690
201.0	6.0	0.016	261.0	14.9	0.097	321.0	79.5	2.758
202.0	6.0	0.016	262.0	15.6	0.106	322.0	80.5	2.826
203.0	6.0	0.016	263.0	16.3	0.116	323.0	81.4	2.895
204.0	6.0	0.016	264.0	17.1	0.127	324.0	82.4	2.965
205.0	6.0	0.016	265.0	17.8	0.138	325.0	83.4	3.036
206.0	6.0	0.016	266.0	18.6	0.151	326.0	84.3	3.099
207.0	6.0	0.016	267.0	19.5	0.166	327.0	85.1	3.163
208.0	6.0	0.016	268.0	20.3	0.180	328.0	86.0	3.227
209.0	6.0	0.016	269.0	21.2	0.195	329.0	86.8	3.292
210.0	6.0	0.016	270.0	22.0	0.211	330.0	87.7	3.357
211.0	6.0	0.016	271.0	23.0	0.230	331.0	88.4	3.413
212.0	6.0	0.016	272.0	23.9	0.250	332.0	89.1	3.469
213.0	6.1	0.016	273.0	24.9	0.270	333.0	89.9	3.525
214.0	6.1	0.016	274.0	25.8	0.291	334.0	90.6	3.581
215.0	6.1	0.016	275.0	26.8	0.314	335.0	91.3	3.639
216.0	6.1	0.016	276.0	27.8	0.338	336.0	91.9	3.688
217.0	6.1	0.016	277.0	28.9	0.364	337.0	92.5	3.738
218.0	6.0	0.016	278.0	29.9	0.391	338.0	93.2	3.788
219.0	6.0	0.016	279.0	31.0	0.418	339.0	93.8	3.839
220.0	6.0	0.016	280.0	32.0	0.447	340.0	94.4	3.890
221.0	6.0	0.016	281.0	33.1	0.479	341.0	94.9	3.930
222.0	6.0	0.016	282.0	34.2	0.512	342.0	95.4	3.969
223.0	6.0	0.016	283.0	35.4	0.546	343.0	95.8	4.010
224.0	6.0	0.016	284.0	36.5	0.581	344.0	96.3	4.050
225.0	6.0	0.016	285.0	37.6	0.617	345.0	96.8	4.090
226.0	6.0	0.016	286.0	38.8	0.656	346.0	97.2	4.121
227.0	6.0	0.016	287.0	40.0	0.697	347.0	97.5	4.151
228.0	6.0	0.016	288.0	41.1	0.739	348.0	97.9	4.182
229.0	6.0	0.016	289.0	42.3	0.782	349.0	98.2	4.213
230.0	6.0	0.016	290.0	43.5	0.826	350.0	98.6	4.244
231.0	6.0	0.016	291.0	44.7	0.872	351.0	98.8	4.263
232.0	6.0	0.016	292.0	45.9	0.920	352.0	99.0	4.282
233.0	6.1	0.016	293.0	47.1	0.968	353.0	99.3	4.301
234.0	6.1	0.016	294.0	48.3	1.018	354.0	99.5	4.320
235.0	6.1	0.016	295.0	49.5	1.070	355.0	99.7	4.339
236.0	6.2	0.017	296.0	50.7	1.124	356.0	99.8	4.344
237.0	6.3	0.017	297.0	52.0	1.179	357.0	99.8	4.349
238.0	6.3	0.018	298.0	53.2	1.236	358.0	99.9	4.355
239.0	6.4	0.018	299.0	54.5	1.295	359.0	99.9	4.360

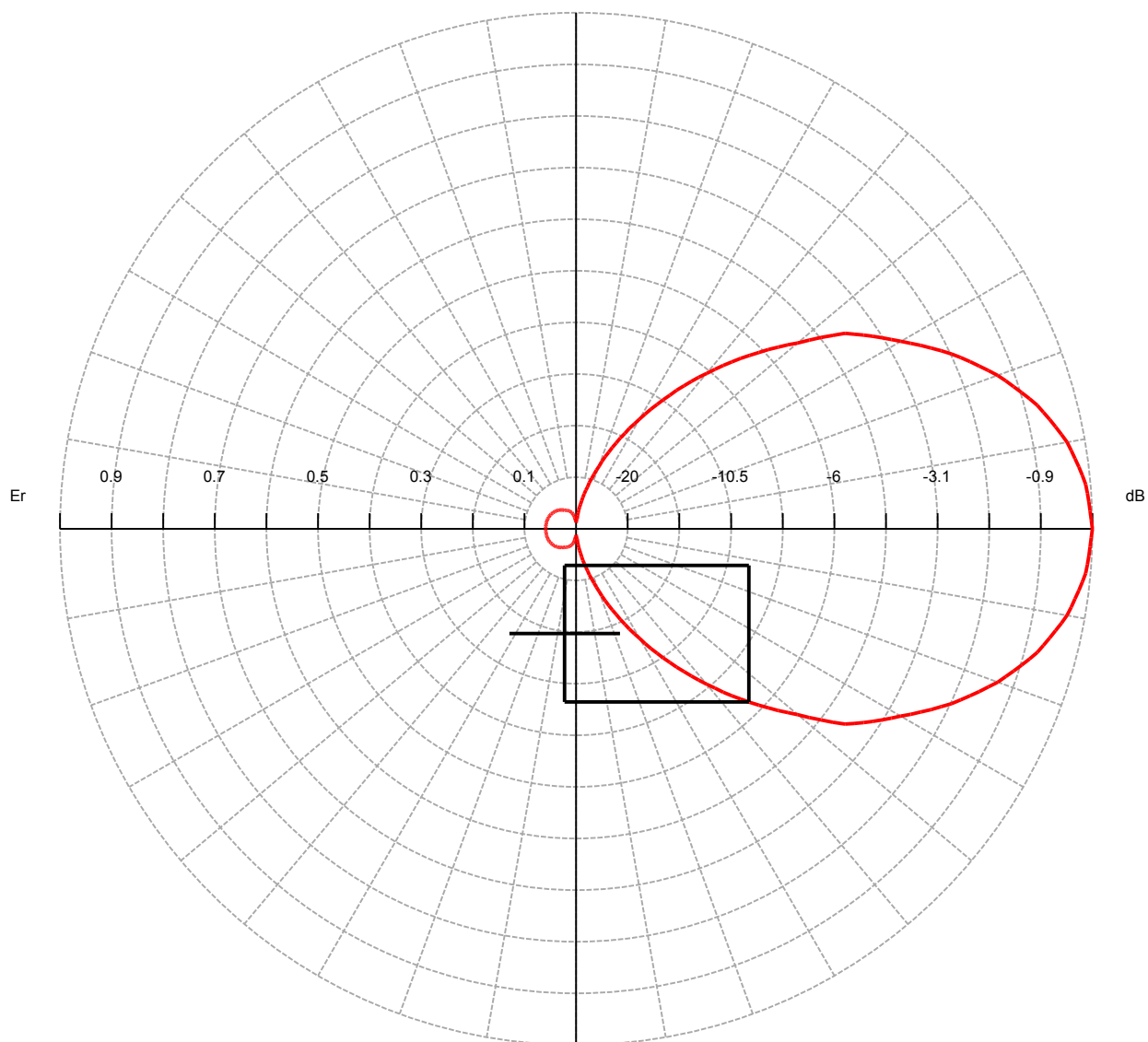
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Vertical diagram at an azimuth of 0.0° degrees



0.0° Az. (Total Antenna), Gain (dBd): 6.4

ERP T.Max(KW): 4.3652 ERP E.Max(KW): 4.3652

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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	4.365	60.0	24.5	0.262	120.0	4.1	0.007
1.0	99.8	4.349	61.0	23.3	0.236	121.0	4.2	0.008
2.0	99.6	4.334	62.0	22.0	0.212	122.0	4.2	0.008
3.0	99.5	4.318	63.0	20.8	0.188	123.0	4.3	0.008
4.0	99.3	4.303	64.0	19.5	0.167	124.0	4.4	0.008
5.0	99.1	4.287	65.0	18.3	0.146	125.0	4.4	0.009
6.0	98.6	4.244	66.0	17.2	0.129	126.0	4.5	0.009
7.0	98.1	4.201	67.0	16.1	0.114	127.0	4.6	0.009
8.0	97.6	4.158	68.0	15.1	0.099	128.0	4.6	0.009
9.0	97.1	4.116	69.0	14.0	0.085	129.0	4.7	0.010
10.0	96.6	4.073	70.0	12.9	0.073	130.0	4.7	0.010
11.0	95.8	4.005	71.0	12.0	0.063	131.0	4.8	0.010
12.0	95.0	3.936	72.0	11.1	0.054	132.0	4.9	0.010
13.0	94.1	3.869	73.0	10.2	0.045	133.0	4.9	0.011
14.0	93.3	3.801	74.0	9.3	0.038	134.0	5.0	0.011
15.0	92.5	3.735	75.0	8.4	0.031	135.0	5.1	0.011
16.0	91.4	3.645	76.0	7.7	0.026	136.0	5.1	0.011
17.0	90.3	3.556	77.0	7.0	0.021	137.0	5.1	0.012
18.0	89.1	3.469	78.0	6.2	0.017	138.0	5.2	0.012
19.0	88.0	3.382	79.0	5.5	0.013	139.0	5.2	0.012
20.0	86.9	3.296	80.0	4.8	0.010	140.0	5.3	0.012
21.0	85.6	3.196	81.0	4.2	0.008	141.0	5.3	0.012
22.0	84.2	3.096	82.0	3.7	0.006	142.0	5.4	0.013
23.0	82.9	2.998	83.0	3.1	0.004	143.0	5.4	0.013
24.0	81.5	2.902	84.0	2.6	0.003	144.0	5.4	0.013
25.0	80.2	2.808	85.0	2.0	0.002	145.0	5.5	0.013
26.0	78.7	2.702	86.0	1.8	0.001	146.0	5.5	0.013
27.0	77.2	2.599	87.0	1.7	0.001	147.0	5.5	0.013
28.0	75.6	2.497	88.0	1.5	0.001	148.0	5.6	0.014
29.0	74.1	2.398	89.0	1.4	0.001	149.0	5.6	0.014
30.0	72.6	2.301	90.0	1.2	0.001	150.0	5.6	0.014
31.0	71.2	2.215	91.0	1.3	0.001	151.0	5.7	0.014
32.0	69.9	2.131	92.0	1.4	0.001	152.0	5.7	0.014
33.0	68.5	2.048	93.0	1.5	0.001	153.0	5.7	0.014
34.0	67.1	1.967	94.0	1.5	0.001	154.0	5.7	0.014
35.0	65.8	1.888	95.0	1.6	0.001	155.0	5.7	0.014
36.0	64.4	1.810	96.0	1.9	0.001	156.0	5.8	0.014
37.0	62.3	1.694	97.0	2.1	0.002	157.0	5.8	0.015
38.0	60.2	1.582	98.0	2.3	0.002	158.0	5.8	0.015
39.0	58.1	1.474	99.0	2.5	0.003	159.0	5.8	0.015
40.0	56.0	1.369	100.0	2.7	0.003	160.0	5.8	0.015
41.0	54.3	1.287	101.0	2.8	0.003	161.0	5.8	0.015
42.0	52.6	1.208	102.0	2.9	0.004	162.0	5.8	0.015
43.0	50.9	1.131	103.0	3.0	0.004	163.0	5.9	0.015
44.0	49.2	1.057	104.0	3.1	0.004	164.0	5.9	0.015
45.0	47.5	0.985	105.0	3.2	0.004	165.0	5.9	0.015
46.0	45.9	0.918	106.0	3.3	0.005	166.0	5.9	0.015
47.0	44.2	0.854	107.0	3.4	0.005	167.0	5.9	0.015
48.0	42.6	0.791	108.0	3.4	0.005	168.0	5.9	0.015
49.0	40.9	0.732	109.0	3.5	0.005	169.0	5.9	0.015
50.0	39.3	0.674	110.0	3.6	0.006	170.0	5.9	0.015
51.0	37.8	0.622	111.0	3.7	0.006	171.0	5.9	0.015
52.0	36.2	0.573	112.0	3.7	0.006	172.0	5.9	0.015
53.0	34.7	0.525	113.0	3.8	0.006	173.0	5.9	0.015
54.0	33.1	0.479	114.0	3.8	0.006	174.0	5.9	0.015
55.0	31.6	0.436	115.0	3.9	0.007	175.0	5.9	0.015
56.0	30.2	0.398	116.0	3.9	0.007	176.0	5.9	0.015
57.0	28.8	0.361	117.0	4.0	0.007	177.0	5.9	0.015
58.0	27.3	0.326	118.0	4.0	0.007	178.0	5.9	0.015
59.0	25.9	0.293	119.0	4.1	0.007	179.0	5.9	0.015

TX station: Bkl8-v

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	5.9	0.015	240.0	4.1	0.007	300.0	24.5	0.262
181.0	5.9	0.015	241.0	4.1	0.007	301.0	25.9	0.293
182.0	5.9	0.015	242.0	4.0	0.007	302.0	27.3	0.326
183.0	5.9	0.015	243.0	4.0	0.007	303.0	28.8	0.361
184.0	5.9	0.015	244.0	3.9	0.007	304.0	30.2	0.398
185.0	5.9	0.015	245.0	3.9	0.007	305.0	31.6	0.436
186.0	5.9	0.015	246.0	3.8	0.006	306.0	33.1	0.479
187.0	5.9	0.015	247.0	3.8	0.006	307.0	34.7	0.525
188.0	5.9	0.015	248.0	3.7	0.006	308.0	36.2	0.573
189.0	5.9	0.015	249.0	3.7	0.006	309.0	37.8	0.622
190.0	5.9	0.015	250.0	3.6	0.006	310.0	39.3	0.674
191.0	5.9	0.015	251.0	3.5	0.005	311.0	40.9	0.732
192.0	5.9	0.015	252.0	3.4	0.005	312.0	42.6	0.791
193.0	5.9	0.015	253.0	3.4	0.005	313.0	44.2	0.854
194.0	5.9	0.015	254.0	3.3	0.005	314.0	45.9	0.918
195.0	5.9	0.015	255.0	3.2	0.004	315.0	47.5	0.985
196.0	5.9	0.015	256.0	3.1	0.004	316.0	49.2	1.057
197.0	5.9	0.015	257.0	3.0	0.004	317.0	50.9	1.131
198.0	5.8	0.015	258.0	2.9	0.004	318.0	52.6	1.208
199.0	5.8	0.015	259.0	2.8	0.003	319.0	54.3	1.287
200.0	5.8	0.015	260.0	2.7	0.003	320.0	56.0	1.369
201.0	5.8	0.015	261.0	2.5	0.003	321.0	58.1	1.474
202.0	5.8	0.015	262.0	2.3	0.002	322.0	60.2	1.582
203.0	5.8	0.015	263.0	2.1	0.002	323.0	62.3	1.694
204.0	5.8	0.014	264.0	1.9	0.001	324.0	64.4	1.810
205.0	5.7	0.014	265.0	1.6	0.001	325.0	65.8	1.888
206.0	5.7	0.014	266.0	1.5	0.001	326.0	67.1	1.967
207.0	5.7	0.014	267.0	1.5	0.001	327.0	68.5	2.048
208.0	5.7	0.014	268.0	1.4	0.001	328.0	69.9	2.131
209.0	5.7	0.014	269.0	1.3	0.001	329.0	71.2	2.215
210.0	5.6	0.014	270.0	1.2	0.001	330.0	72.6	2.301
211.0	5.6	0.014	271.0	1.4	0.001	331.0	74.1	2.398
212.0	5.6	0.014	272.0	1.5	0.001	332.0	75.6	2.497
213.0	5.5	0.013	273.0	1.7	0.001	333.0	77.2	2.599
214.0	5.5	0.013	274.0	1.8	0.001	334.0	78.7	2.702
215.0	5.5	0.013	275.0	2.0	0.002	335.0	80.2	2.808
216.0	5.4	0.013	276.0	2.6	0.003	336.0	81.5	2.902
217.0	5.4	0.013	277.0	3.1	0.004	337.0	82.9	2.998
218.0	5.4	0.013	278.0	3.7	0.006	338.0	84.2	3.096
219.0	5.3	0.012	279.0	4.2	0.008	339.0	85.6	3.196
220.0	5.3	0.012	280.0	4.8	0.010	340.0	86.9	3.296
221.0	5.2	0.012	281.0	5.5	0.013	341.0	88.0	3.382
222.0	5.2	0.012	282.0	6.2	0.017	342.0	89.1	3.469
223.0	5.1	0.012	283.0	7.0	0.021	343.0	90.3	3.556
224.0	5.1	0.011	284.0	7.7	0.026	344.0	91.4	3.645
225.0	5.1	0.011	285.0	8.4	0.031	345.0	92.5	3.735
226.0	5.0	0.011	286.0	9.3	0.038	346.0	93.3	3.801
227.0	4.9	0.011	287.0	10.2	0.045	347.0	94.1	3.869
228.0	4.9	0.010	288.0	11.1	0.054	348.0	95.0	3.936
229.0	4.8	0.010	289.0	12.0	0.063	349.0	95.8	4.005
230.0	4.7	0.010	290.0	12.9	0.073	350.0	96.6	4.073
231.0	4.7	0.010	291.0	14.0	0.085	351.0	97.1	4.116
232.0	4.6	0.009	292.0	15.1	0.099	352.0	97.6	4.158
233.0	4.6	0.009	293.0	16.1	0.114	353.0	98.1	4.201
234.0	4.5	0.009	294.0	17.2	0.129	354.0	98.6	4.244
235.0	4.4	0.009	295.0	18.3	0.146	355.0	99.1	4.287
236.0	4.4	0.008	296.0	19.5	0.167	356.0	99.3	4.303
237.0	4.3	0.008	297.0	20.8	0.188	357.0	99.5	4.318
238.0	4.2	0.008	298.0	22.0	0.212	358.0	99.6	4.334
239.0	4.2	0.008	299.0	23.3	0.236	359.0	99.8	4.349