

TX station: Aky3

Gain solid integration : disabled

Site Name: Labelitaly

General data of Antenna System

TX station	Aky3
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-AKY_3 YAGI FM WB 3 ELEM.
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	AKY_3 YAGI FM WB 3
Band start(MHz)	88
Band stop(MHz)	108
diagrams Frequency(MHz)	98
Polariz (H,V,C,X)	V
Vertical dist (cm)	260
Height (cm)	180
Width (cm)	6
Thickness (cm)	125
Weight (Kg)	13
Maximum power (KW)	3
Gain (dBd)	5.22
North E.C. (cm)	0
East E.C. (cm)	0
Return loss (dB)	20
R.C.Phase (°)	0

TX station: Aky3
Frequency: 98.00 MHz
Gain solid integration : disabled

Site Name: Labelitaly

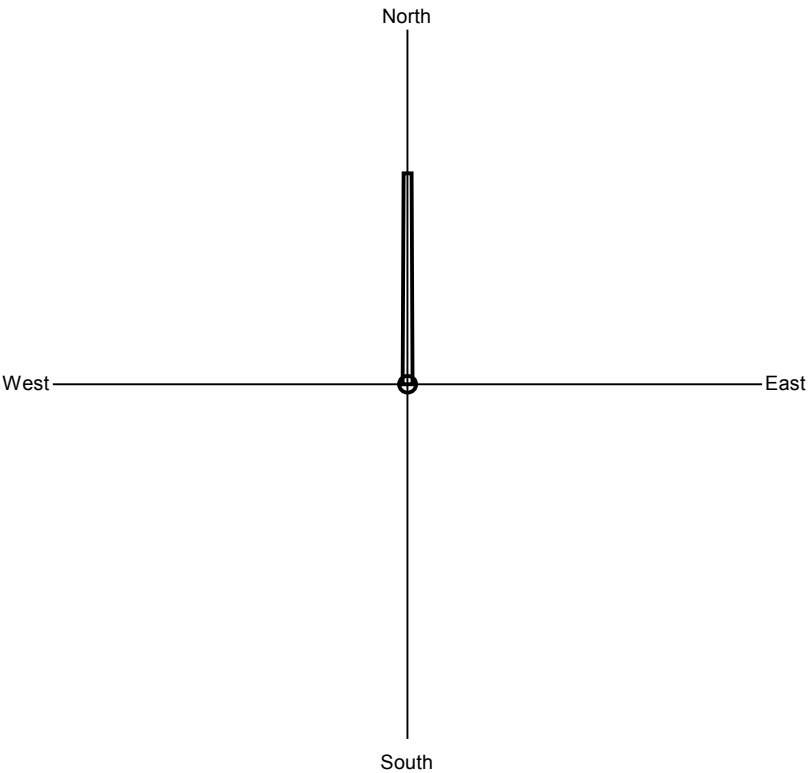
Geometr. and electrical data of Antenna System

	<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

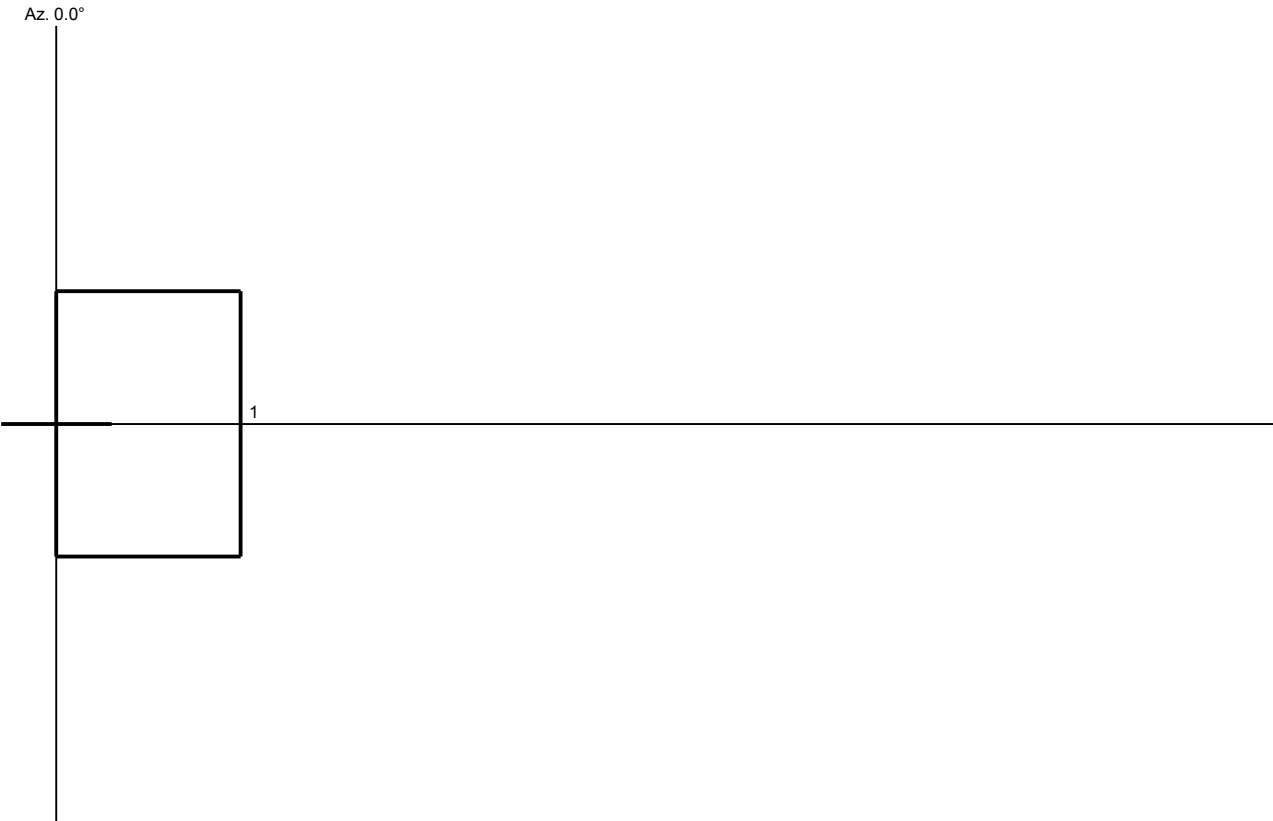
TX station: Aky3
Frequency: 98.00 MHz
Gain solid integration : disabled

Site Name: Labelitaly

Plan of antenna system



Side of antenna system



TX station: Aky3
Frequency: 98.00 MHz
Gain solid integration : disabled

Site Name: Labelitaly

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)	5.22
G. Distribution losses (dB)	0.00
H. Nominal max gain [F - G] (dBd)	5.22
I. Compensation losses (dB)	0.00
J. Effec. max gain [H - I] (dBd)	5.22
K. Effec. max gain (times)	3.33
L. Effec. max power [E * K] (KW)	3.3266
M. Max power depr. angle (°)	0.0
N. Max power az. angle (°)	0

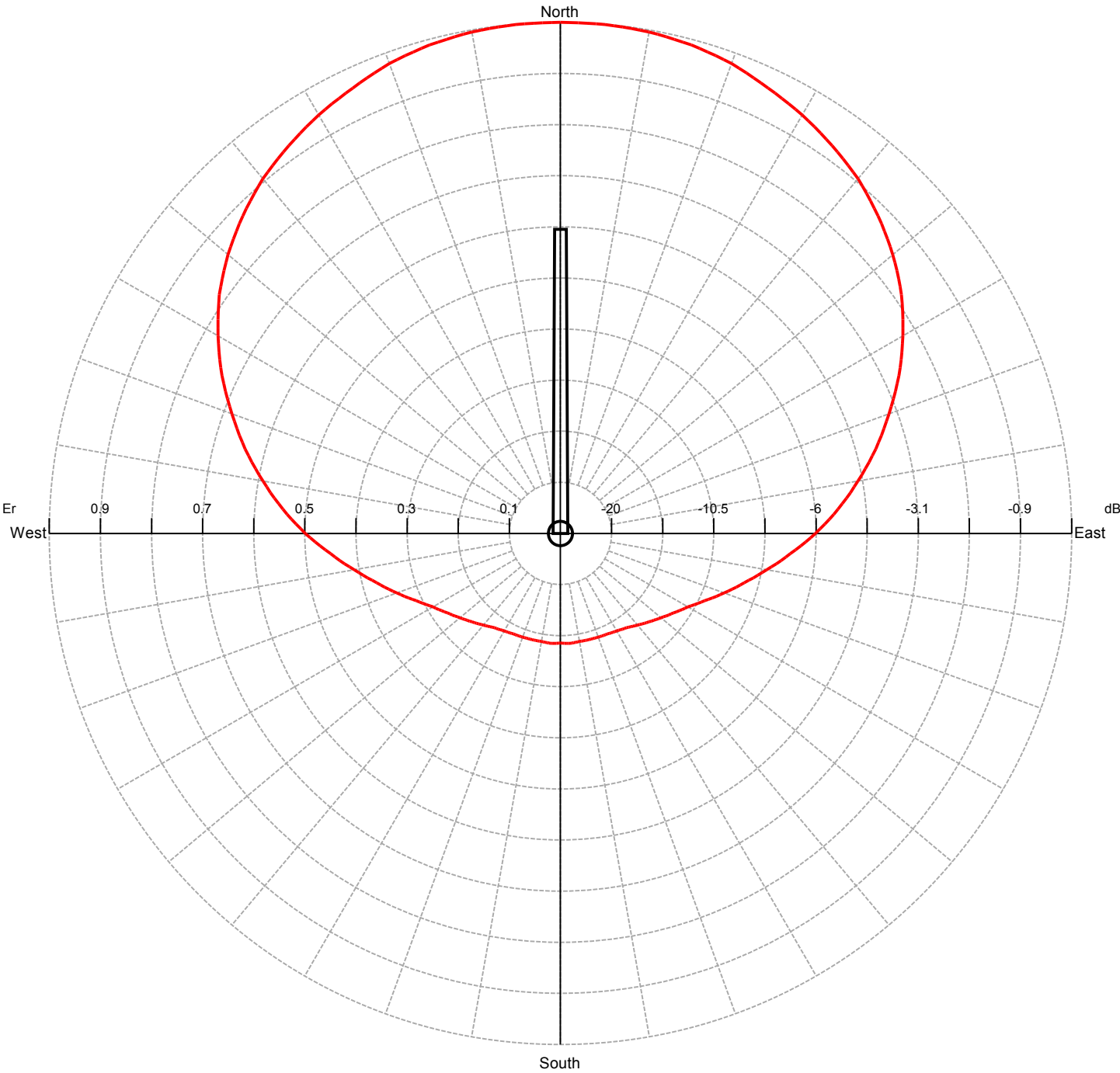
Diagram in dBK calculated at horizon

Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK
0	5.2	90	-0.8	180	-8.2	270	-0.8
10	5.2	100	-2.5	190	-8.2	280	0.7
20	5.0	110	-4.1	200	-8.1	290	1.9
30	4.7	120	-5.6	210	-7.9	300	3.0
40	4.4	130	-6.6	220	-7.4	310	3.8
50	3.8	140	-7.4	230	-6.6	320	4.4
60	3.0	150	-7.9	240	-5.6	330	4.7
70	1.9	160	-8.1	250	-4.1	340	5.0
80	0.7	170	-8.2	260	-2.5	350	5.2

TX station: Aky3
Frequency: 98.00 MHz
Gain solid integration : disabled

Site Name: Labelitaly

Horizontal diagram at 0.0° depres. (Total Antenna)



0.0° depres. (Total Antenna), Gain (dBd): 5.22 ERP T.Max(KW): 3.3266 ERP E.Max(KW): 3.3266

TX station: Aky3
Frequency: 98.00 MHz
Gain solid integration : disabled

Site Name: Labelitaly

Horizontal diagram at 0.0° depres. (Total Antenna)

Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)
0.0	100.0	3.327	60.0	77.4	1.991	120.0	28.8	0.275
1.0	100.0	3.326	61.0	76.5	1.947	121.0	28.4	0.269
2.0	100.0	3.325	62.0	75.6	1.904	122.0	28.1	0.262
3.0	100.0	3.325	63.0	74.8	1.861	123.0	27.7	0.256
4.0	100.0	3.324	64.0	73.9	1.818	124.0	27.4	0.250
5.0	99.9	3.323	65.0	73.1	1.776	125.0	27.1	0.244
6.0	99.9	3.319	66.0	72.1	1.731	126.0	26.8	0.239
7.0	99.8	3.315	67.0	71.2	1.686	127.0	26.5	0.234
8.0	99.8	3.311	68.0	70.3	1.642	128.0	26.2	0.229
9.0	99.7	3.307	69.0	69.3	1.598	129.0	26.0	0.224
10.0	99.6	3.303	70.0	68.4	1.555	130.0	25.7	0.219
11.0	99.5	3.294	71.0	67.5	1.514	131.0	25.4	0.215
12.0	99.4	3.285	72.0	66.6	1.474	132.0	25.2	0.211
13.0	99.2	3.275	73.0	65.7	1.434	133.0	25.0	0.207
14.0	99.1	3.266	74.0	64.8	1.395	134.0	24.7	0.203
15.0	98.9	3.257	75.0	63.8	1.356	135.0	24.5	0.199
16.0	98.7	3.243	76.0	62.9	1.316	136.0	24.3	0.196
17.0	98.5	3.228	77.0	62.0	1.277	137.0	24.1	0.193
18.0	98.3	3.214	78.0	61.0	1.238	138.0	23.8	0.189
19.0	98.1	3.200	79.0	60.1	1.200	139.0	23.6	0.186
20.0	97.9	3.186	80.0	59.1	1.162	140.0	23.4	0.183
21.0	97.5	3.164	81.0	58.2	1.126	141.0	23.3	0.180
22.0	97.2	3.142	82.0	57.3	1.091	142.0	23.1	0.177
23.0	96.8	3.120	83.0	56.4	1.057	143.0	22.9	0.174
24.0	96.5	3.098	84.0	55.4	1.023	144.0	22.7	0.172
25.0	96.2	3.076	85.0	54.5	0.989	145.0	22.5	0.169
26.0	95.8	3.056	86.0	53.6	0.956	146.0	22.4	0.167
27.0	95.5	3.035	87.0	52.7	0.923	147.0	22.3	0.166
28.0	95.2	3.015	88.0	51.8	0.891	148.0	22.2	0.164
29.0	94.9	2.995	89.0	50.8	0.859	149.0	22.1	0.163
30.0	94.6	2.975	90.0	49.9	0.828	150.0	22.0	0.161
31.0	94.2	2.951	91.0	49.0	0.798	151.0	22.0	0.160
32.0	93.8	2.927	92.0	48.0	0.767	152.0	21.9	0.160
33.0	93.4	2.903	93.0	47.1	0.737	153.0	21.8	0.159
34.0	93.0	2.879	94.0	46.1	0.707	154.0	21.8	0.158
35.0	92.6	2.856	95.0	45.1	0.678	155.0	21.7	0.157
36.0	92.2	2.830	96.0	44.3	0.653	156.0	21.7	0.157
37.0	91.8	2.805	97.0	43.5	0.629	157.0	21.7	0.156
38.0	91.4	2.779	98.0	42.6	0.605	158.0	21.7	0.156
39.0	91.0	2.754	99.0	41.8	0.581	159.0	21.6	0.156
40.0	90.6	2.729	100.0	41.0	0.558	160.0	21.6	0.155
41.0	90.0	2.697	101.0	40.2	0.538	161.0	21.6	0.155
42.0	89.5	2.665	102.0	39.5	0.518	162.0	21.6	0.155
43.0	89.0	2.633	103.0	38.7	0.499	163.0	21.6	0.155
44.0	88.4	2.601	104.0	38.0	0.480	164.0	21.5	0.154
45.0	87.9	2.570	105.0	37.2	0.461	165.0	21.5	0.154
46.0	87.3	2.535	106.0	36.6	0.446	166.0	21.5	0.154
47.0	86.7	2.500	107.0	36.0	0.430	167.0	21.5	0.154
48.0	86.1	2.465	108.0	35.3	0.415	168.0	21.5	0.153
49.0	85.5	2.431	109.0	34.7	0.400	169.0	21.5	0.153
50.0	84.9	2.397	110.0	34.1	0.386	170.0	21.5	0.153
51.0	84.2	2.358	111.0	33.5	0.373	171.0	21.5	0.153
52.0	83.5	2.320	112.0	32.9	0.360	172.0	21.5	0.154
53.0	82.8	2.282	113.0	32.3	0.347	173.0	21.5	0.154
54.0	82.1	2.245	114.0	31.7	0.335	174.0	21.6	0.155
55.0	81.5	2.207	115.0	31.2	0.323	175.0	21.6	0.155
56.0	80.6	2.163	116.0	30.7	0.313	176.0	21.6	0.155
57.0	79.8	2.119	117.0	30.2	0.303	177.0	21.5	0.154
58.0	79.0	2.076	118.0	29.7	0.294	178.0	21.5	0.154
59.0	78.2	2.033	119.0	29.2	0.284	179.0	21.5	0.153

TX station: Aky3
Frequency: 98.00 MHz
Gain solid integration : disabled

Site Name: Labelitaly

Horizontal diagram at 0.0° depres. (Total Antenna)

Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)
180.0	21.5	0.153	240.0	28.8	0.275	300.0	77.4	1.991
181.0	21.5	0.153	241.0	29.2	0.284	301.0	78.2	2.033
182.0	21.5	0.154	242.0	29.7	0.294	302.0	79.0	2.076
183.0	21.5	0.154	243.0	30.2	0.303	303.0	79.8	2.119
184.0	21.6	0.155	244.0	30.7	0.313	304.0	80.6	2.163
185.0	21.6	0.155	245.0	31.2	0.323	305.0	81.5	2.207
186.0	21.6	0.155	246.0	31.7	0.335	306.0	82.1	2.245
187.0	21.5	0.154	247.0	32.3	0.347	307.0	82.8	2.282
188.0	21.5	0.154	248.0	32.9	0.360	308.0	83.5	2.320
189.0	21.5	0.153	249.0	33.5	0.373	309.0	84.2	2.358
190.0	21.5	0.153	250.0	34.1	0.386	310.0	84.9	2.397
191.0	21.5	0.153	251.0	34.7	0.400	311.0	85.5	2.431
192.0	21.5	0.153	252.0	35.3	0.415	312.0	86.1	2.465
193.0	21.5	0.154	253.0	36.0	0.430	313.0	86.7	2.500
194.0	21.5	0.154	254.0	36.6	0.446	314.0	87.3	2.535
195.0	21.5	0.154	255.0	37.2	0.461	315.0	87.9	2.570
196.0	21.5	0.154	256.0	38.0	0.480	316.0	88.4	2.601
197.0	21.6	0.155	257.0	38.7	0.499	317.0	89.0	2.633
198.0	21.6	0.155	258.0	39.5	0.518	318.0	89.5	2.665
199.0	21.6	0.155	259.0	40.2	0.538	319.0	90.0	2.697
200.0	21.6	0.155	260.0	41.0	0.558	320.0	90.6	2.729
201.0	21.6	0.156	261.0	41.8	0.581	321.0	91.0	2.754
202.0	21.7	0.156	262.0	42.6	0.605	322.0	91.4	2.779
203.0	21.7	0.156	263.0	43.5	0.629	323.0	91.8	2.805
204.0	21.7	0.157	264.0	44.3	0.653	324.0	92.2	2.830
205.0	21.7	0.157	265.0	45.1	0.678	325.0	92.6	2.856
206.0	21.8	0.158	266.0	46.1	0.707	326.0	93.0	2.879
207.0	21.8	0.159	267.0	47.1	0.737	327.0	93.4	2.903
208.0	21.9	0.160	268.0	48.0	0.767	328.0	93.8	2.927
209.0	22.0	0.160	269.0	49.0	0.798	329.0	94.2	2.951
210.0	22.0	0.161	270.0	49.9	0.828	330.0	94.6	2.975
211.0	22.1	0.163	271.0	50.8	0.859	331.0	94.9	2.995
212.0	22.2	0.164	272.0	51.8	0.891	332.0	95.2	3.015
213.0	22.3	0.166	273.0	52.7	0.923	333.0	95.5	3.035
214.0	22.4	0.167	274.0	53.6	0.956	334.0	95.8	3.056
215.0	22.5	0.169	275.0	54.5	0.989	335.0	96.2	3.076
216.0	22.7	0.172	276.0	55.4	1.023	336.0	96.5	3.098
217.0	22.9	0.174	277.0	56.4	1.057	337.0	96.8	3.120
218.0	23.1	0.177	278.0	57.3	1.091	338.0	97.2	3.142
219.0	23.3	0.180	279.0	58.2	1.126	339.0	97.5	3.164
220.0	23.4	0.183	280.0	59.1	1.162	340.0	97.9	3.186
221.0	23.6	0.186	281.0	60.1	1.200	341.0	98.1	3.200
222.0	23.8	0.189	282.0	61.0	1.238	342.0	98.3	3.214
223.0	24.1	0.193	283.0	62.0	1.277	343.0	98.5	3.228
224.0	24.3	0.196	284.0	62.9	1.316	344.0	98.7	3.243
225.0	24.5	0.199	285.0	63.8	1.356	345.0	98.9	3.257
226.0	24.7	0.203	286.0	64.8	1.395	346.0	99.1	3.266
227.0	25.0	0.207	287.0	65.7	1.434	347.0	99.2	3.275
228.0	25.2	0.211	288.0	66.6	1.474	348.0	99.4	3.285
229.0	25.4	0.215	289.0	67.5	1.514	349.0	99.5	3.294
230.0	25.7	0.219	290.0	68.4	1.555	350.0	99.6	3.303
231.0	26.0	0.224	291.0	69.3	1.598	351.0	99.7	3.307
232.0	26.2	0.229	292.0	70.3	1.642	352.0	99.8	3.311
233.0	26.5	0.234	293.0	71.2	1.686	353.0	99.8	3.315
234.0	26.8	0.239	294.0	72.1	1.731	354.0	99.9	3.319
235.0	27.1	0.244	295.0	73.1	1.776	355.0	99.9	3.323
236.0	27.4	0.250	296.0	73.9	1.818	356.0	100.0	3.324
237.0	27.7	0.256	297.0	74.8	1.861	357.0	100.0	3.325
238.0	28.1	0.262	298.0	75.6	1.904	358.0	100.0	3.325
239.0	28.4	0.269	299.0	76.5	1.947	359.0	100.0	3.326

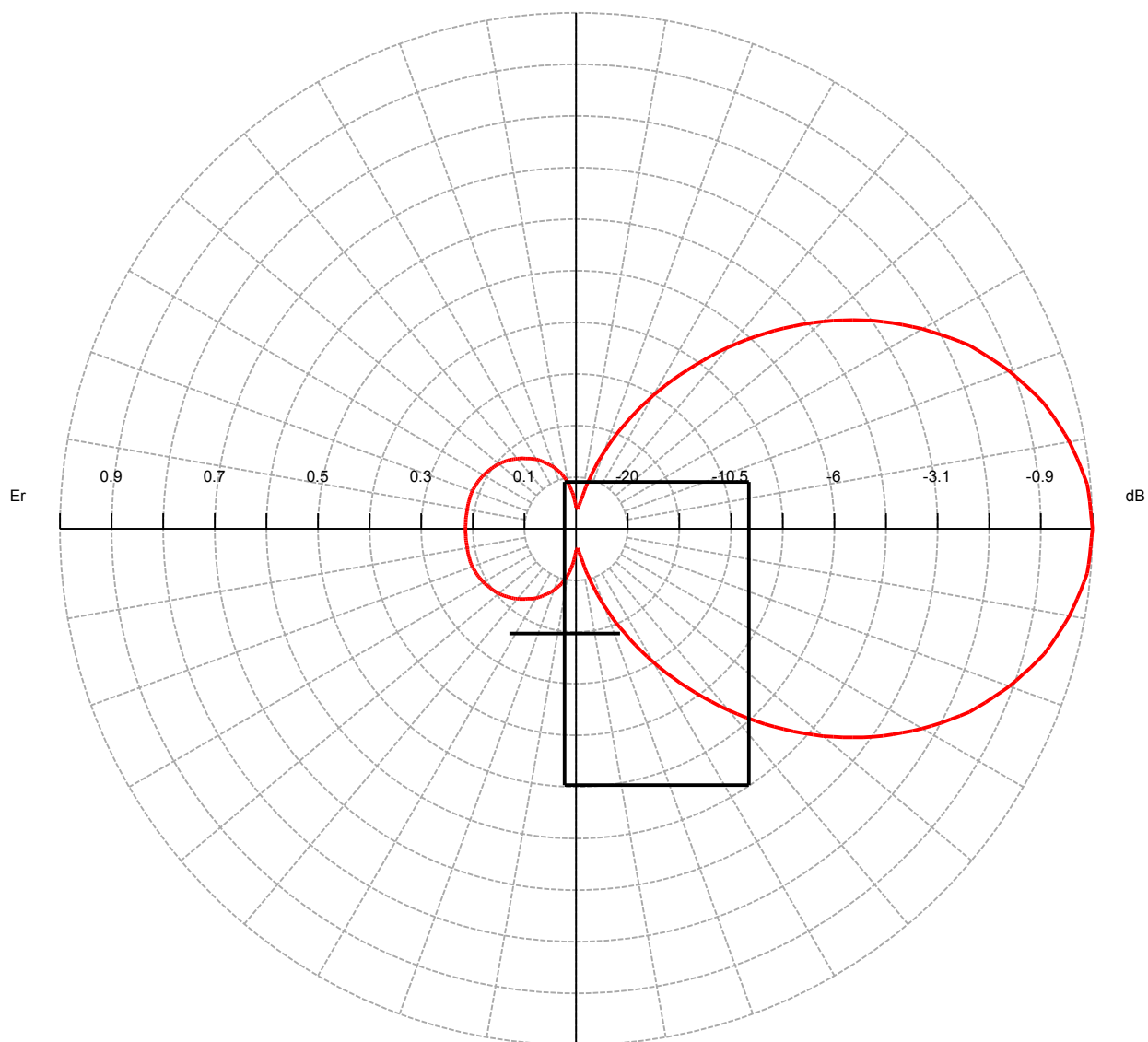
TX station: Aky3

Frequency: 98.00 MHz

Gain solid integration : disabled

Site Name: Labelitaly

Vertical diagram at an azimuth of 0.0° degrees



0.0° Az. (Total Antenna), Gain (dBd): 5.22

ERP T.Max(KW): 3.3266 ERP E.Max(KW): 3.3266

TX station: Aky3
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)
0.0	100.0	3.327	60.0	29.8	0.295	120.0	15.5	0.080
1.0	99.9	3.318	61.0	28.3	0.266	121.0	15.7	0.082
2.0	99.8	3.310	62.0	26.8	0.239	122.0	16.0	0.085
3.0	99.6	3.302	63.0	25.3	0.213	123.0	16.2	0.087
4.0	99.5	3.294	64.0	23.8	0.189	124.0	16.4	0.089
5.0	99.4	3.285	65.0	22.4	0.166	125.0	16.6	0.091
6.0	98.9	3.255	66.0	21.0	0.147	126.0	16.8	0.094
7.0	98.4	3.224	67.0	19.7	0.130	127.0	17.0	0.097
8.0	98.0	3.194	68.0	18.4	0.113	128.0	17.3	0.099
9.0	97.5	3.163	69.0	17.1	0.097	129.0	17.5	0.102
10.0	97.0	3.133	70.0	15.8	0.083	130.0	17.7	0.104
11.0	96.4	3.092	71.0	14.6	0.071	131.0	17.9	0.107
12.0	95.8	3.051	72.0	13.5	0.061	132.0	18.1	0.109
13.0	95.1	3.010	73.0	12.3	0.051	133.0	18.3	0.112
14.0	94.5	2.970	74.0	11.2	0.041	134.0	18.5	0.114
15.0	93.8	2.930	75.0	10.0	0.033	135.0	18.7	0.117
16.0	92.9	2.873	76.0	9.2	0.028	136.0	18.9	0.119
17.0	92.0	2.817	77.0	8.3	0.023	137.0	19.1	0.121
18.0	91.1	2.761	78.0	7.5	0.019	138.0	19.2	0.123
19.0	90.2	2.706	79.0	6.6	0.015	139.0	19.4	0.125
20.0	89.3	2.651	80.0	5.8	0.011	140.0	19.6	0.127
21.0	88.2	2.589	81.0	5.4	0.010	141.0	19.7	0.129
22.0	87.2	2.528	82.0	5.0	0.008	142.0	19.8	0.131
23.0	86.1	2.468	83.0	4.6	0.007	143.0	19.9	0.132
24.0	85.1	2.408	84.0	4.2	0.006	144.0	20.1	0.134
25.0	84.0	2.350	85.0	3.8	0.005	145.0	20.2	0.135
26.0	82.7	2.276	86.0	3.8	0.005	146.0	20.3	0.137
27.0	81.4	2.204	87.0	3.9	0.005	147.0	20.4	0.139
28.0	80.1	2.133	88.0	4.0	0.005	148.0	20.5	0.140
29.0	78.7	2.063	89.0	4.0	0.005	149.0	20.6	0.142
30.0	77.4	1.994	90.0	4.1	0.006	150.0	20.7	0.143
31.0	76.0	1.921	91.0	4.6	0.007	151.0	20.8	0.144
32.0	74.6	1.850	92.0	5.1	0.009	152.0	20.9	0.145
33.0	73.1	1.780	93.0	5.6	0.010	153.0	21.0	0.146
34.0	71.7	1.711	94.0	6.0	0.012	154.0	21.1	0.147
35.0	70.3	1.644	95.0	6.5	0.014	155.0	21.1	0.148
36.0	68.7	1.572	96.0	7.0	0.016	156.0	21.2	0.149
37.0	67.2	1.501	97.0	7.5	0.019	157.0	21.3	0.150
38.0	65.6	1.433	98.0	8.0	0.022	158.0	21.3	0.151
39.0	64.1	1.365	99.0	8.5	0.024	159.0	21.4	0.152
40.0	62.5	1.300	100.0	9.0	0.027	160.0	21.4	0.153
41.0	60.9	1.232	101.0	9.4	0.030	161.0	21.4	0.153
42.0	59.2	1.166	102.0	9.8	0.032	162.0	21.5	0.153
43.0	57.6	1.102	103.0	10.2	0.035	163.0	21.5	0.153
44.0	55.9	1.040	104.0	10.6	0.038	164.0	21.5	0.153
45.0	54.3	0.979	105.0	11.0	0.040	165.0	21.5	0.153
46.0	52.6	0.920	106.0	11.4	0.043	166.0	21.5	0.153
47.0	50.9	0.862	107.0	11.7	0.046	167.0	21.5	0.153
48.0	49.2	0.807	108.0	12.0	0.048	168.0	21.5	0.153
49.0	47.6	0.753	109.0	12.3	0.051	169.0	21.5	0.153
50.0	45.9	0.701	110.0	12.7	0.053	170.0	21.5	0.153
51.0	44.2	0.650	111.0	13.0	0.056	171.0	21.5	0.153
52.0	42.5	0.602	112.0	13.3	0.058	172.0	21.5	0.153
53.0	40.9	0.556	113.0	13.5	0.061	173.0	21.5	0.153
54.0	39.2	0.511	114.0	13.8	0.064	174.0	21.5	0.153
55.0	37.5	0.468	115.0	14.1	0.066	175.0	21.5	0.153
56.0	36.0	0.430	116.0	14.4	0.069	176.0	21.5	0.153
57.0	34.4	0.394	117.0	14.7	0.072	177.0	21.5	0.153
58.0	32.9	0.360	118.0	15.0	0.075	178.0	21.5	0.153
59.0	31.3	0.327	119.0	15.3	0.077	179.0	21.5	0.153

TX station: Aky3
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	21.5	0.153	240.0	15.5	0.080	300.0	29.8	0.295
181.0	21.5	0.153	241.0	15.3	0.077	301.0	31.3	0.327
182.0	21.5	0.153	242.0	15.0	0.075	302.0	32.9	0.360
183.0	21.5	0.153	243.0	14.7	0.072	303.0	34.4	0.394
184.0	21.5	0.153	244.0	14.4	0.069	304.0	36.0	0.430
185.0	21.5	0.153	245.0	14.1	0.066	305.0	37.5	0.468
186.0	21.5	0.153	246.0	13.8	0.064	306.0	39.2	0.511
187.0	21.5	0.153	247.0	13.5	0.061	307.0	40.9	0.556
188.0	21.5	0.153	248.0	13.3	0.058	308.0	42.5	0.602
189.0	21.5	0.153	249.0	13.0	0.056	309.0	44.2	0.650
190.0	21.5	0.153	250.0	12.7	0.053	310.0	45.9	0.701
191.0	21.5	0.153	251.0	12.3	0.051	311.0	47.6	0.753
192.0	21.5	0.153	252.0	12.0	0.048	312.0	49.2	0.807
193.0	21.5	0.153	253.0	11.7	0.046	313.0	50.9	0.862
194.0	21.5	0.153	254.0	11.4	0.043	314.0	52.6	0.920
195.0	21.5	0.153	255.0	11.0	0.040	315.0	54.3	0.979
196.0	21.5	0.153	256.0	10.6	0.038	316.0	55.9	1.040
197.0	21.5	0.153	257.0	10.2	0.035	317.0	57.6	1.102
198.0	21.5	0.153	258.0	9.8	0.032	318.0	59.2	1.166
199.0	21.4	0.153	259.0	9.4	0.030	319.0	60.9	1.232
200.0	21.4	0.153	260.0	9.0	0.027	320.0	62.5	1.300
201.0	21.4	0.152	261.0	8.5	0.024	321.0	64.1	1.365
202.0	21.3	0.151	262.0	8.0	0.022	322.0	65.6	1.433
203.0	21.3	0.150	263.0	7.5	0.019	323.0	67.2	1.501
204.0	21.2	0.149	264.0	7.0	0.016	324.0	68.7	1.572
205.0	21.1	0.148	265.0	6.5	0.014	325.0	70.3	1.644
206.0	21.1	0.147	266.0	6.0	0.012	326.0	71.7	1.711
207.0	21.0	0.146	267.0	5.6	0.010	327.0	73.1	1.780
208.0	20.9	0.145	268.0	5.1	0.009	328.0	74.6	1.850
209.0	20.8	0.144	269.0	4.6	0.007	329.0	76.0	1.921
210.0	20.7	0.143	270.0	4.1	0.006	330.0	77.4	1.994
211.0	20.6	0.142	271.0	4.0	0.005	331.0	78.7	2.063
212.0	20.5	0.140	272.0	4.0	0.005	332.0	80.1	2.133
213.0	20.4	0.139	273.0	3.9	0.005	333.0	81.4	2.204
214.0	20.3	0.137	274.0	3.8	0.005	334.0	82.7	2.276
215.0	20.2	0.135	275.0	3.8	0.005	335.0	84.0	2.350
216.0	20.1	0.134	276.0	4.2	0.006	336.0	85.1	2.408
217.0	19.9	0.132	277.0	4.6	0.007	337.0	86.1	2.468
218.0	19.8	0.131	278.0	5.0	0.008	338.0	87.2	2.528
219.0	19.7	0.129	279.0	5.4	0.010	339.0	88.2	2.589
220.0	19.6	0.127	280.0	5.8	0.011	340.0	89.3	2.651
221.0	19.4	0.125	281.0	6.6	0.015	341.0	90.2	2.706
222.0	19.2	0.123	282.0	7.5	0.019	342.0	91.1	2.761
223.0	19.1	0.121	283.0	8.3	0.023	343.0	92.0	2.817
224.0	18.9	0.119	284.0	9.2	0.028	344.0	92.9	2.873
225.0	18.7	0.117	285.0	10.0	0.033	345.0	93.8	2.930
226.0	18.5	0.114	286.0	11.2	0.041	346.0	94.5	2.970
227.0	18.3	0.112	287.0	12.3	0.051	347.0	95.1	3.010
228.0	18.1	0.109	288.0	13.5	0.061	348.0	95.8	3.051
229.0	17.9	0.107	289.0	14.6	0.071	349.0	96.4	3.092
230.0	17.7	0.104	290.0	15.8	0.083	350.0	97.0	3.133
231.0	17.5	0.102	291.0	17.1	0.097	351.0	97.5	3.163
232.0	17.3	0.099	292.0	18.4	0.113	352.0	98.0	3.194
233.0	17.0	0.097	293.0	19.7	0.130	353.0	98.4	3.224
234.0	16.8	0.094	294.0	21.0	0.147	354.0	98.9	3.255
235.0	16.6	0.091	295.0	22.4	0.166	355.0	99.4	3.285
236.0	16.4	0.089	296.0	23.8	0.189	356.0	99.5	3.294
237.0	16.2	0.087	297.0	25.3	0.213	357.0	99.6	3.302
238.0	16.0	0.085	298.0	26.8	0.239	358.0	99.8	3.310
239.0	15.7	0.082	299.0	28.3	0.266	359.0	99.9	3.318