

TX station: Ckb2c

Gain solid integration : disabled

Site Name: Labelitaly

General data of Antenna System

TX station	Ckb2c
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)	450.000
Antenna system central frequency (MHz)	450.000
Antenna base diagrams type 1	LABEL ITALY-CKB_2C CORNER REFLECTOR
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	CKB_2C CORNER REFLE
Band start(MHz)	450
Band stop(MHz)	450
diagrams Frequency(MHz)	450
Polariz (H,V,C,X)	V
Vertical dist (cm)	0
Height (cm)	75
Width (cm)	114
Thickness (cm)	50
Weight (Kg)	5
Maximum power (KW)	0.15
Gain (dBd)	9
North E.C. (cm)	0
East E.C. (cm)	0
Return loss (dB)	20
R.C.Phase (°)	0

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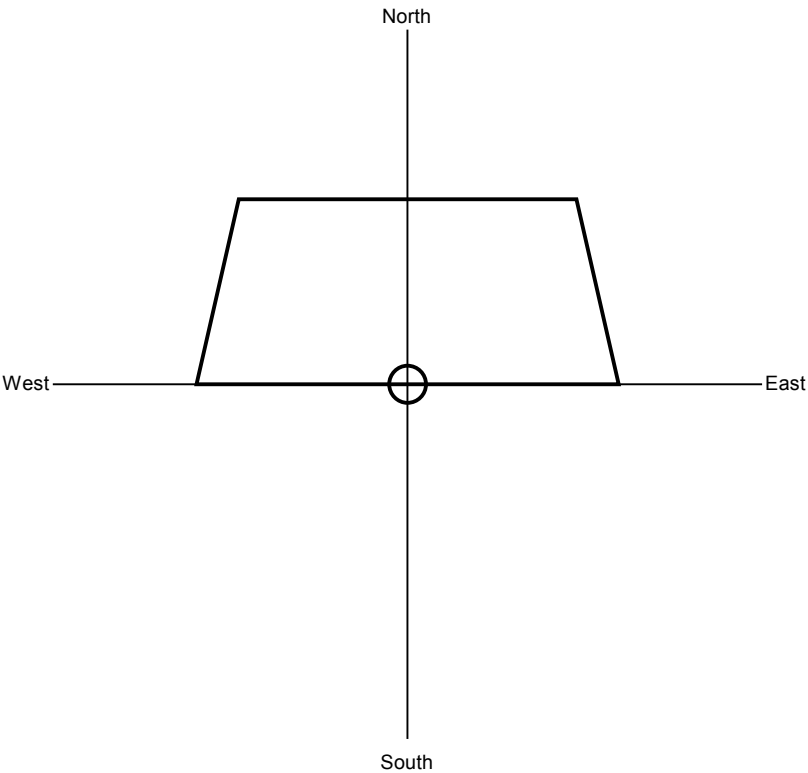
Geometr. and electrical data of Antenna System

	<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)	9.00
G. Distribution losses (dB)	0.00
H. Nominal max gain [F - G] (dBd)	9.00
I. Compensation losses (dB)	0.00
J. Effec. max gain [H - I] (dBd)	9.00
K. Effec. max gain (times)	7.94
L. Effec. max power [E * K] (KW)	7.9433
M. Max power depr. angle (°)	0.0
N. Max power az. angle (°)	0

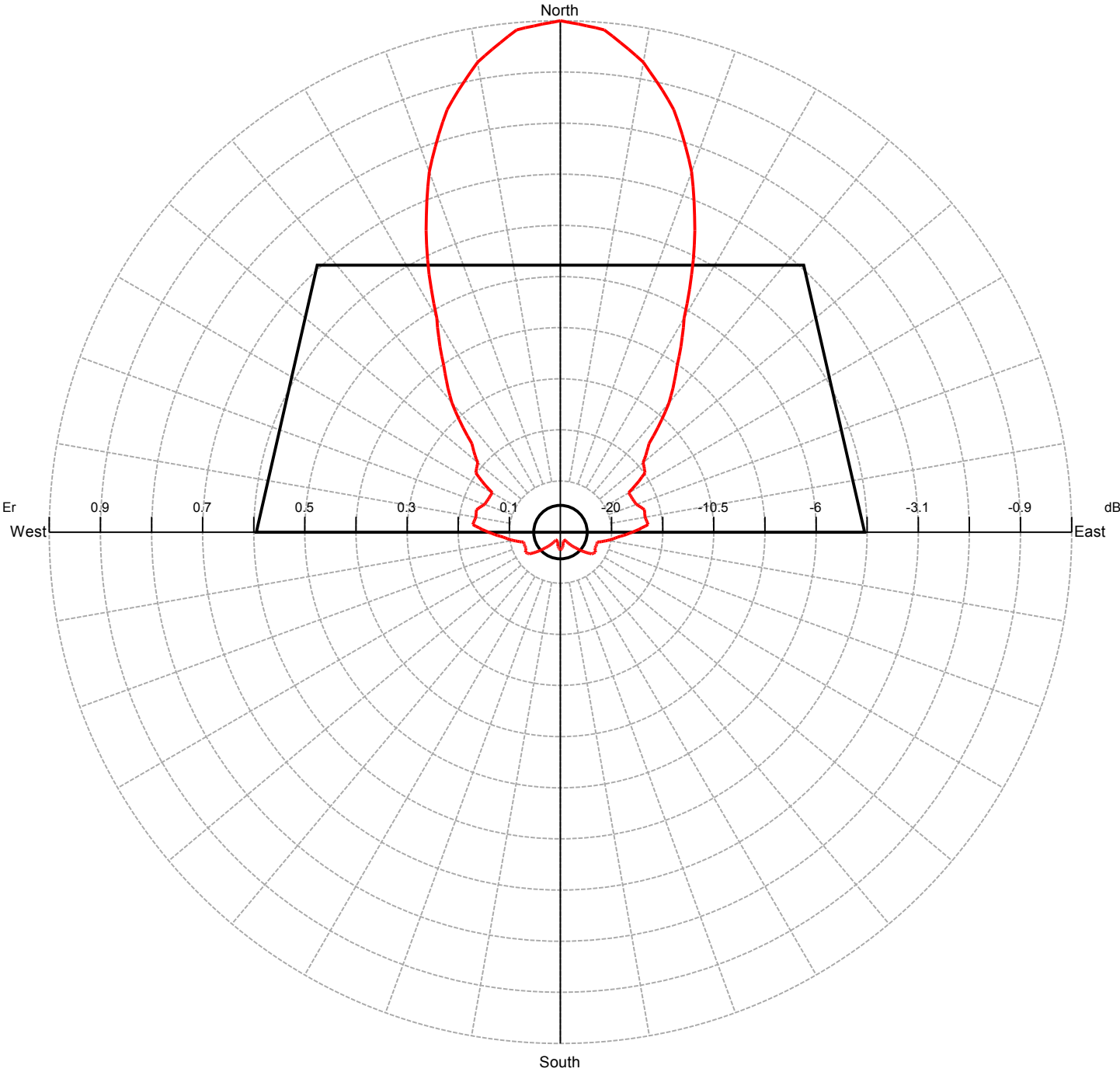
Diagram in dBK calculated at horizon

Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK
0	9.0	90	-8.0	180	-11.0	270	-8.0
10	8.4	100	-11.0	190	-11.0	280	-6.5
20	6.5	110	-11.0	200	-11.0	290	-7.0
30	2.7	120	-11.0	210	-11.0	300	-7.2
40	-0.6	130	-11.0	220	-11.0	310	-4.5
50	-4.5	140	-11.0	230	-11.0	320	-0.6
60	-7.2	150	-11.0	240	-11.0	330	2.7
70	-7.0	160	-11.0	250	-11.0	340	6.5
80	-6.5	170	-11.0	260	-11.0	350	8.4

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Horizontal diagram at 0.0° depres. (Total Antenna)



0.0° depres. (Total Antenna), Gain (dBd): 9 ERP T.Max(KW): 7.9433 ERP E.Max(KW): 7.9433

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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	7.943	60.0	15.4	0.188	120.0	7.9	0.050
1.0	99.7	7.899	61.0	15.4	0.189	121.0	7.8	0.048
2.0	99.4	7.855	62.0	15.4	0.189	122.0	7.7	0.047
3.0	99.2	7.810	63.0	15.5	0.190	123.0	7.6	0.046
4.0	98.9	7.766	64.0	15.5	0.190	124.0	7.5	0.045
5.0	98.6	7.722	65.0	15.5	0.191	125.0	7.4	0.043
6.0	97.5	7.557	66.0	15.6	0.192	126.0	7.1	0.040
7.0	96.5	7.394	67.0	15.6	0.194	127.0	6.8	0.037
8.0	95.4	7.232	68.0	15.7	0.195	128.0	6.5	0.034
9.0	94.4	7.073	69.0	15.7	0.197	129.0	6.2	0.031
10.0	93.3	6.915	70.0	15.8	0.198	130.0	5.9	0.028
11.0	91.8	6.688	71.0	16.0	0.204	131.0	5.6	0.025
12.0	90.2	6.466	72.0	16.3	0.211	132.0	5.4	0.023
13.0	88.7	6.247	73.0	16.5	0.217	133.0	5.1	0.020
14.0	87.1	6.032	74.0	16.8	0.223	134.0	4.8	0.018
15.0	85.6	5.820	75.0	17.0	0.230	135.0	4.5	0.016
16.0	83.5	5.536	76.0	17.0	0.228	136.0	4.3	0.015
17.0	81.4	5.258	77.0	16.9	0.227	137.0	4.1	0.013
18.0	79.2	4.988	78.0	16.9	0.226	138.0	3.9	0.012
19.0	77.1	4.724	79.0	16.8	0.225	139.0	3.7	0.011
20.0	75.0	4.468	80.0	16.8	0.224	140.0	3.5	0.010
21.0	72.4	4.164	81.0	16.9	0.226	141.0	3.3	0.009
22.0	69.8	3.870	82.0	17.0	0.228	142.0	3.1	0.008
23.0	67.2	3.587	83.0	17.0	0.231	143.0	2.9	0.007
24.0	64.6	3.315	84.0	17.1	0.233	144.0	2.7	0.006
25.0	62.0	3.053	85.0	17.2	0.235	145.0	2.5	0.005
26.0	59.3	2.791	86.0	16.6	0.218	146.0	2.4	0.004
27.0	56.6	2.541	87.0	16.0	0.202	147.0	2.2	0.004
28.0	53.8	2.303	88.0	15.3	0.187	148.0	2.1	0.003
29.0	51.1	2.076	89.0	14.7	0.172	149.0	1.9	0.003
30.0	48.4	1.861	90.0	14.1	0.158	150.0	1.8	0.003
31.0	46.7	1.731	91.0	13.5	0.145	151.0	1.8	0.003
32.0	45.0	1.606	92.0	12.9	0.133	152.0	1.8	0.003
33.0	43.2	1.485	93.0	12.4	0.121	153.0	1.8	0.003
34.0	41.5	1.369	94.0	11.8	0.110	154.0	1.8	0.003
35.0	39.8	1.258	95.0	11.2	0.100	155.0	1.8	0.003
36.0	38.4	1.174	96.0	10.8	0.093	156.0	1.8	0.003
37.0	37.1	1.092	97.0	10.5	0.087	157.0	1.8	0.003
38.0	35.7	1.013	98.0	10.1	0.081	158.0	1.8	0.003
39.0	34.4	0.938	99.0	9.7	0.075	159.0	1.8	0.003
40.0	33.0	0.865	100.0	9.4	0.070	160.0	1.8	0.003
41.0	31.3	0.778	101.0	9.0	0.064	161.0	1.8	0.003
42.0	29.6	0.696	102.0	8.6	0.059	162.0	1.9	0.003
43.0	27.9	0.618	103.0	8.2	0.054	163.0	1.9	0.003
44.0	26.2	0.545	104.0	7.9	0.049	164.0	2.0	0.003
45.0	24.5	0.477	105.0	7.5	0.044	165.0	2.0	0.003
46.0	23.8	0.451	106.0	7.5	0.044	166.0	2.2	0.004
47.0	23.1	0.425	107.0	7.5	0.044	167.0	2.3	0.004
48.0	22.5	0.401	108.0	7.5	0.044	168.0	2.5	0.005
49.0	21.8	0.377	109.0	7.5	0.044	169.0	2.6	0.006
50.0	21.1	0.354	110.0	7.5	0.044	170.0	2.8	0.006
51.0	20.9	0.348	111.0	7.5	0.044	171.0	2.9	0.007
52.0	20.7	0.342	112.0	7.5	0.044	172.0	3.0	0.007
53.0	20.6	0.336	113.0	7.5	0.044	173.0	3.0	0.007
54.0	20.4	0.330	114.0	7.4	0.044	174.0	3.1	0.008
55.0	20.2	0.324	115.0	7.4	0.044	175.0	3.2	0.008
56.0	19.2	0.294	116.0	7.5	0.045	176.0	3.3	0.008
57.0	18.3	0.265	117.0	7.6	0.046	177.0	3.3	0.009
58.0	17.3	0.238	118.0	7.7	0.047	178.0	3.4	0.009
59.0	16.4	0.213	119.0	7.8	0.049	179.0	3.4	0.009

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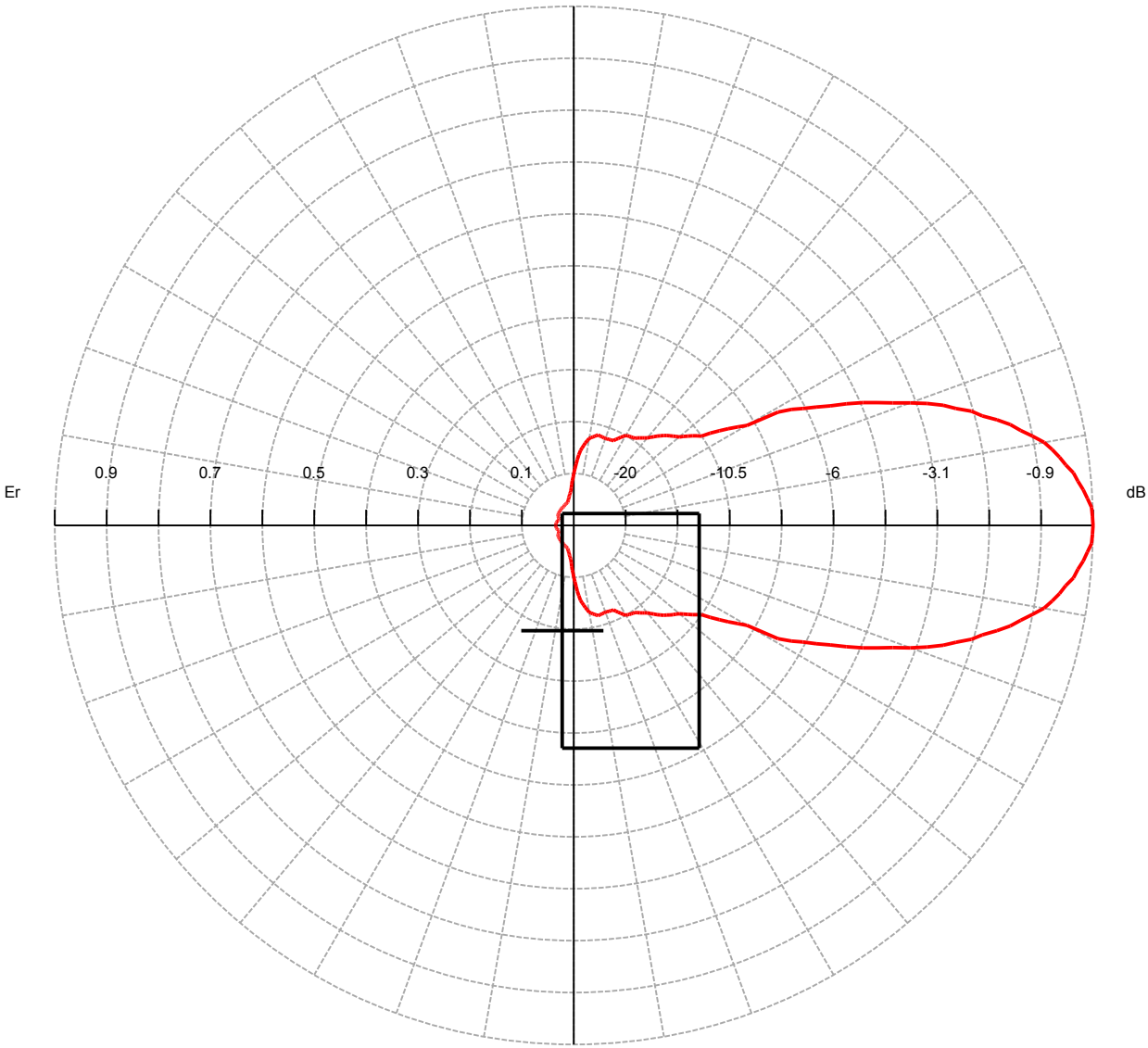
Horizontal diagram at 0.0° depres. (Total Antenna)

Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)
180.0	3.5	0.010	240.0	7.9	0.050	300.0	15.4	0.188
181.0	3.4	0.009	241.0	7.8	0.049	301.0	16.4	0.213
182.0	3.4	0.009	242.0	7.7	0.047	302.0	17.3	0.238
183.0	3.3	0.009	243.0	7.6	0.046	303.0	18.3	0.265
184.0	3.3	0.008	244.0	7.5	0.045	304.0	19.2	0.294
185.0	3.2	0.008	245.0	7.4	0.044	305.0	20.2	0.324
186.0	3.1	0.008	246.0	7.4	0.044	306.0	20.4	0.330
187.0	3.0	0.007	247.0	7.5	0.044	307.0	20.6	0.336
188.0	3.0	0.007	248.0	7.5	0.044	308.0	20.7	0.342
189.0	2.9	0.007	249.0	7.5	0.044	309.0	20.9	0.348
190.0	2.8	0.006	250.0	7.5	0.044	310.0	21.1	0.354
191.0	2.6	0.006	251.0	7.5	0.044	311.0	21.8	0.377
192.0	2.5	0.005	252.0	7.5	0.044	312.0	22.5	0.401
193.0	2.3	0.004	253.0	7.5	0.044	313.0	23.1	0.425
194.0	2.2	0.004	254.0	7.5	0.044	314.0	23.8	0.451
195.0	2.0	0.003	255.0	7.5	0.044	315.0	24.5	0.477
196.0	2.0	0.003	256.0	7.9	0.049	316.0	26.2	0.545
197.0	1.9	0.003	257.0	8.2	0.054	317.0	27.9	0.618
198.0	1.9	0.003	258.0	8.6	0.059	318.0	29.6	0.696
199.0	1.8	0.003	259.0	9.0	0.064	319.0	31.3	0.778
200.0	1.8	0.003	260.0	9.4	0.070	320.0	33.0	0.865
201.0	1.8	0.003	261.0	9.7	0.075	321.0	34.4	0.938
202.0	1.8	0.003	262.0	10.1	0.081	322.0	35.7	1.013
203.0	1.8	0.003	263.0	10.5	0.087	323.0	37.1	1.092
204.0	1.8	0.003	264.0	10.8	0.093	324.0	38.4	1.174
205.0	1.8	0.003	265.0	11.2	0.100	325.0	39.8	1.258
206.0	1.8	0.003	266.0	11.8	0.110	326.0	41.5	1.369
207.0	1.8	0.003	267.0	12.4	0.121	327.0	43.2	1.485
208.0	1.8	0.003	268.0	12.9	0.133	328.0	45.0	1.606
209.0	1.8	0.003	269.0	13.5	0.145	329.0	46.7	1.731
210.0	1.8	0.003	270.0	14.1	0.158	330.0	48.4	1.861
211.0	1.9	0.003	271.0	14.7	0.172	331.0	51.1	2.076
212.0	2.1	0.003	272.0	15.3	0.187	332.0	53.8	2.303
213.0	2.2	0.004	273.0	16.0	0.202	333.0	56.6	2.541
214.0	2.4	0.004	274.0	16.6	0.218	334.0	59.3	2.791
215.0	2.5	0.005	275.0	17.2	0.235	335.0	62.0	3.053
216.0	2.7	0.006	276.0	17.1	0.233	336.0	64.6	3.315
217.0	2.9	0.007	277.0	17.0	0.231	337.0	67.2	3.587
218.0	3.1	0.008	278.0	17.0	0.228	338.0	69.8	3.870
219.0	3.3	0.009	279.0	16.9	0.226	339.0	72.4	4.164
220.0	3.5	0.010	280.0	16.8	0.224	340.0	75.0	4.468
221.0	3.7	0.011	281.0	16.8	0.225	341.0	77.1	4.724
222.0	3.9	0.012	282.0	16.9	0.226	342.0	79.2	4.988
223.0	4.1	0.013	283.0	16.9	0.227	343.0	81.4	5.258
224.0	4.3	0.015	284.0	17.0	0.228	344.0	83.5	5.536
225.0	4.5	0.016	285.0	17.0	0.230	345.0	85.6	5.820
226.0	4.8	0.018	286.0	16.8	0.223	346.0	87.1	6.032
227.0	5.1	0.020	287.0	16.5	0.217	347.0	88.7	6.247
228.0	5.4	0.023	288.0	16.3	0.211	348.0	90.2	6.466
229.0	5.6	0.025	289.0	16.0	0.204	349.0	91.8	6.688
230.0	5.9	0.028	290.0	15.8	0.198	350.0	93.3	6.915
231.0	6.2	0.031	291.0	15.7	0.197	351.0	94.4	7.073
232.0	6.5	0.034	292.0	15.7	0.195	352.0	95.4	7.232
233.0	6.8	0.037	293.0	15.6	0.194	353.0	96.5	7.394
234.0	7.1	0.040	294.0	15.6	0.192	354.0	97.5	7.557
235.0	7.4	0.043	295.0	15.5	0.191	355.0	98.6	7.722
236.0	7.5	0.045	296.0	15.5	0.190	356.0	98.9	7.766
237.0	7.6	0.046	297.0	15.5	0.190	357.0	99.2	7.810
238.0	7.7	0.047	298.0	15.4	0.189	358.0	99.4	7.855
239.0	7.8	0.048	299.0	15.4	0.189	359.0	99.7	7.899

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Vertical diagram at an azimuth of 0.0° degrees



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Dep (°)	Er (%)	ERP (KW)	Dep (°)	Er (%)	ERP (KW)	Dep (°)	Er (%)	ERP (KW)
0.0	100.0	7.943	60.0	20.0	0.318	120.0	4.1	0.013
1.0	99.9	7.927	61.0	19.6	0.305	121.0	4.1	0.013
2.0	99.8	7.912	62.0	19.2	0.293	122.0	4.1	0.013
3.0	99.1	7.801	63.0	18.8	0.281	123.0	4.1	0.013
4.0	98.4	7.691	64.0	18.4	0.269	124.0	4.0	0.013
5.0	97.5	7.551	65.0	18.0	0.257	125.0	4.0	0.013
6.0	96.8	7.443	66.0	18.0	0.256	126.0	4.0	0.013
7.0	95.5	7.244	67.0	17.9	0.255	127.0	4.0	0.013
8.0	94.5	7.094	68.0	17.9	0.254	128.0	4.0	0.013
9.0	93.3	6.915	69.0	17.8	0.253	129.0	4.0	0.012
10.0	92.0	6.723	70.0	17.8	0.252	130.0	3.9	0.012
11.0	90.0	6.434	71.0	17.8	0.253	131.0	3.9	0.012
12.0	88.0	6.151	72.0	17.9	0.254	132.0	3.9	0.012
13.0	86.3	5.916	73.0	17.9	0.255	133.0	3.9	0.012
14.0	84.0	5.605	74.0	18.0	0.256	134.0	3.9	0.012
15.0	81.5	5.276	75.0	18.0	0.257	135.0	3.8	0.012
16.0	79.7	5.046	76.0	17.8	0.252	136.0	3.8	0.012
17.0	77.0	4.710	77.0	17.6	0.246	137.0	3.8	0.012
18.0	74.8	4.444	78.0	17.4	0.240	138.0	3.8	0.011
19.0	72.0	4.118	79.0	17.2	0.235	139.0	3.8	0.011
20.0	69.0	3.782	80.0	17.0	0.230	140.0	3.8	0.011
21.0	65.8	3.439	81.0	16.5	0.216	141.0	3.8	0.011
22.0	63.1	3.163	82.0	16.0	0.203	142.0	3.7	0.011
23.0	60.5	2.907	83.0	15.5	0.191	143.0	3.7	0.011
24.0	57.5	2.626	84.0	15.0	0.179	144.0	3.7	0.011
25.0	54.5	2.359	85.0	14.5	0.167	145.0	3.7	0.011
26.0	52.0	2.148	86.0	13.6	0.147	146.0	3.7	0.011
27.0	49.5	1.946	87.0	12.7	0.128	147.0	3.6	0.010
28.0	47.5	1.792	88.0	11.8	0.111	148.0	3.6	0.010
29.0	45.0	1.609	89.0	10.9	0.094	149.0	3.5	0.010
30.0	38.5	1.177	90.0	10.0	0.079	150.0	3.5	0.010
31.0	36.8	1.076	91.0	9.3	0.068	151.0	3.4	0.009
32.0	35.1	0.979	92.0	8.6	0.058	152.0	3.4	0.009
33.0	33.4	0.886	93.0	7.9	0.050	153.0	3.3	0.009
34.0	31.7	0.798	94.0	7.2	0.042	154.0	3.3	0.009
35.0	30.0	0.715	95.0	6.6	0.035	155.0	3.2	0.008
36.0	29.3	0.682	96.0	6.4	0.032	156.0	3.2	0.008
37.0	28.6	0.650	97.0	6.1	0.030	157.0	3.2	0.008
38.0	27.9	0.618	98.0	5.9	0.028	158.0	3.1	0.008
39.0	27.2	0.588	99.0	5.7	0.026	159.0	3.1	0.008
40.0	26.5	0.558	100.0	5.5	0.024	160.0	3.1	0.008
41.0	26.1	0.541	101.0	5.3	0.022	161.0	3.1	0.008
42.0	25.7	0.525	102.0	5.1	0.021	162.0	3.1	0.008
43.0	25.3	0.508	103.0	4.9	0.019	163.0	3.2	0.008
44.0	24.9	0.492	104.0	4.7	0.018	164.0	3.2	0.008
45.0	24.5	0.477	105.0	4.5	0.016	165.0	3.2	0.008
46.0	24.0	0.458	106.0	4.5	0.016	166.0	3.3	0.008
47.0	23.5	0.439	107.0	4.5	0.016	167.0	3.3	0.009
48.0	23.0	0.420	108.0	4.5	0.016	168.0	3.3	0.009
49.0	22.5	0.402	109.0	4.4	0.016	169.0	3.4	0.009
50.0	22.0	0.384	110.0	4.4	0.015	170.0	3.4	0.009
51.0	21.7	0.374	111.0	4.4	0.015	171.0	3.4	0.009
52.0	21.4	0.364	112.0	4.3	0.015	172.0	3.4	0.009
53.0	21.1	0.354	113.0	4.3	0.015	173.0	3.4	0.009
54.0	20.8	0.344	114.0	4.3	0.015	174.0	3.5	0.010
55.0	20.5	0.334	115.0	4.2	0.014	175.0	3.5	0.010
56.0	20.4	0.331	116.0	4.2	0.014	176.0	3.5	0.010
57.0	20.3	0.327	117.0	4.2	0.014	177.0	3.5	0.010
58.0	20.2	0.324	118.0	4.1	0.014	178.0	3.5	0.010
59.0	20.1	0.321	119.0	4.1	0.013	179.0	3.5	0.010

TX station: Ckb2c
Frequency: 450.00 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	3.5	0.010	240.0	4.1	0.013	300.0	20.0	0.318
181.0	3.5	0.010	241.0	4.1	0.013	301.0	20.1	0.321
182.0	3.5	0.010	242.0	4.1	0.014	302.0	20.2	0.324
183.0	3.5	0.010	243.0	4.2	0.014	303.0	20.3	0.327
184.0	3.5	0.010	244.0	4.2	0.014	304.0	20.4	0.331
185.0	3.5	0.010	245.0	4.2	0.014	305.0	20.5	0.334
186.0	3.5	0.010	246.0	4.3	0.015	306.0	20.8	0.344
187.0	3.4	0.009	247.0	4.3	0.015	307.0	21.1	0.354
188.0	3.4	0.009	248.0	4.3	0.015	308.0	21.4	0.364
189.0	3.4	0.009	249.0	4.4	0.015	309.0	21.7	0.374
190.0	3.4	0.009	250.0	4.4	0.015	310.0	22.0	0.384
191.0	3.4	0.009	251.0	4.4	0.016	311.0	22.5	0.402
192.0	3.3	0.009	252.0	4.5	0.016	312.0	23.0	0.420
193.0	3.3	0.009	253.0	4.5	0.016	313.0	23.5	0.439
194.0	3.3	0.008	254.0	4.5	0.016	314.0	24.0	0.458
195.0	3.2	0.008	255.0	4.5	0.016	315.0	24.5	0.477
196.0	3.2	0.008	256.0	4.7	0.018	316.0	24.9	0.492
197.0	3.2	0.008	257.0	4.9	0.019	317.0	25.3	0.508
198.0	3.1	0.008	258.0	5.1	0.021	318.0	25.7	0.525
199.0	3.1	0.008	259.0	5.3	0.022	319.0	26.1	0.541
200.0	3.1	0.008	260.0	5.5	0.024	320.0	26.5	0.558
201.0	3.1	0.008	261.0	5.7	0.026	321.0	27.2	0.588
202.0	3.1	0.008	262.0	5.9	0.028	322.0	27.9	0.618
203.0	3.2	0.008	263.0	6.1	0.030	323.0	28.6	0.650
204.0	3.2	0.008	264.0	6.4	0.032	324.0	29.3	0.682
205.0	3.2	0.008	265.0	6.6	0.035	325.0	30.0	0.715
206.0	3.3	0.009	266.0	7.2	0.042	326.0	31.7	0.798
207.0	3.3	0.009	267.0	7.9	0.050	327.0	33.4	0.886
208.0	3.4	0.009	268.0	8.6	0.058	328.0	35.1	0.979
209.0	3.4	0.009	269.0	9.3	0.068	329.0	36.8	1.076
210.0	3.5	0.010	270.0	10.0	0.079	330.0	38.5	1.177
211.0	3.5	0.010	271.0	10.9	0.094	331.0	45.0	1.609
212.0	3.6	0.010	272.0	11.8	0.111	332.0	47.5	1.792
213.0	3.6	0.010	273.0	12.7	0.128	333.0	49.5	1.946
214.0	3.7	0.011	274.0	13.6	0.147	334.0	52.0	2.148
215.0	3.7	0.011	275.0	14.5	0.167	335.0	54.5	2.359
216.0	3.7	0.011	276.0	15.0	0.179	336.0	57.5	2.626
217.0	3.7	0.011	277.0	15.5	0.191	337.0	60.5	2.907
218.0	3.7	0.011	278.0	16.0	0.203	338.0	63.1	3.163
219.0	3.8	0.011	279.0	16.5	0.216	339.0	65.8	3.439
220.0	3.8	0.011	280.0	17.0	0.230	340.0	69.0	3.782
221.0	3.8	0.011	281.0	17.2	0.235	341.0	72.0	4.118
222.0	3.8	0.011	282.0	17.4	0.240	342.0	74.8	4.444
223.0	3.8	0.012	283.0	17.6	0.246	343.0	77.0	4.710
224.0	3.8	0.012	284.0	17.8	0.252	344.0	79.7	5.046
225.0	3.8	0.012	285.0	18.0	0.257	345.0	81.5	5.276
226.0	3.9	0.012	286.0	18.0	0.256	346.0	84.0	5.605
227.0	3.9	0.012	287.0	17.9	0.255	347.0	86.3	5.916
228.0	3.9	0.012	288.0	17.9	0.254	348.0	88.0	6.151
229.0	3.9	0.012	289.0	17.8	0.253	349.0	90.0	6.434
230.0	3.9	0.012	290.0	17.8	0.252	350.0	92.0	6.723
231.0	4.0	0.012	291.0	17.8	0.253	351.0	93.3	6.915
232.0	4.0	0.013	292.0	17.9	0.254	352.0	94.5	7.094
233.0	4.0	0.013	293.0	17.9	0.255	353.0	95.5	7.244
234.0	4.0	0.013	294.0	18.0	0.256	354.0	96.8	7.443
235.0	4.0	0.013	295.0	18.0	0.257	355.0	97.5	7.551
236.0	4.0	0.013	296.0	18.4	0.269	356.0	98.4	7.691
237.0	4.1	0.013	297.0	18.8	0.281	357.0	99.1	7.801
238.0	4.1	0.013	298.0	19.2	0.293	358.0	99.8	7.912
239.0	4.1	0.013	299.0	19.6	0.305	359.0	99.9	7.927