

TECHNOTE-101 (Longly-Rice-Hufford) JFA Version 23.12
 from Irregular Terrain Model (ITM) -- U.S. Dept. of Commerce
 Code changes updated to meet Longley-Rice version 1.2.2
 This program uses 30 second terrain data to calculate dBu field

Project:KAGM 39-41-50 104-33-25 Azimuth 73 deg. Power 66.0 dBm
 Distance to contour using Longley Rice = 23 KM
 Distance to Contour using F[50,50] = 16.3 KM Difference = 41%

Distance	Free Space	ITM Loss	dBu	Key
2.0	78.7	31.9	72.7	0
2.5	80.7	29.8	72.9	0
3.0	82.2	0.0	101.1	0
3.5	83.6	3.0	96.8	0
4.0	84.7	7.6	91.0	0
4.5	85.8	0.0	97.6	0
5.0	86.7	0.0	96.7	0
5.5	87.5	0.0	95.9	0
6.0	88.3	0.0	95.1	0
6.5	89.0	0.0	94.4	0
7.0	89.6	0.0	93.8	0
7.5	90.2	0.0	93.2	0
8.0	90.8	0.0	92.6	0
8.5	91.3	0.0	92.1	0
9.0	91.8	3.4	88.2	0
9.5	92.3	4.3	86.8	0
10.0	92.7	5.4	85.3	0
10.5	93.1	6.6	83.6	0
11.0	93.5	7.1	82.7	0
11.5	93.9	7.4	82.1	0
12.0	94.3	3.1	86.0	0
12.5	94.6	2.9	85.8	0
13.0	95.0	3.3	85.1	0
13.5	95.3	3.8	84.3	0
14.0	95.6	4.3	83.4	0
14.5	95.9	4.6	82.8	0
15.0	96.2	5.1	82.0	0
15.5	96.5	5.5	81.4	0
16.0	96.8	6.0	80.6	0
16.5	97.0	8.9	77.4	0
17.0	97.3	10.0	76.1	0
17.5	97.6	9.7	76.1	0
18.0	97.8	9.7	75.9	0
18.5	98.0	9.7	75.6	0
19.0	98.3	9.6	75.5	0
19.5	98.5	10.3	74.6	0
20.0	98.7	10.8	73.8	0
20.5	98.9	11.3	73.1	0
21.0	99.1	11.7	72.5	0
21.5	99.3	12.2	71.8	0
22.0	99.5	12.7	71.1	0
22.5	99.7	13.3	70.3	0
23.0	99.9	13.7	69.7	0
23.5	100.1	14.2	69.0	0
24.0	100.3	14.6	68.5	0
24.5	100.5	15.0	67.9	0
25.0	100.7	15.5	67.2	0

TECHNOTE-101 (Longley-Rice-Hufford) JFA Version 23.12
 from Irregular Terrain Model (ITM) -- U.S. Dept. of Commerce
 Code changes updated to meet Longley-Rice version 1.2.2
 This program uses 30 second terrain data to calculate dBu field

Project:KAGM 39-41-50 104-33-25 Azimuth 74 deg. Power 66.0 dBm
 Distance to contour using Longley Rice = 23 KM
 Distance to Contour using F[50,50] = 16.2 KM Difference = 42%

Distance	Free Space	ITM Loss	dBu	Key
2.0	78.7	31.9	72.7	0
2.5	80.7	29.8	72.9	0
3.0	82.2	0.0	101.1	0
3.5	83.6	3.0	96.8	0
4.0	84.7	7.6	91.0	0
4.5	85.8	0.0	97.6	0
5.0	86.7	0.0	96.7	0
5.5	87.5	0.0	95.9	0
6.0	88.3	0.0	95.1	0
6.5	89.0	0.0	94.4	0
7.0	89.6	0.0	93.8	0
7.5	90.2	0.0	93.2	0
8.0	90.8	0.0	92.6	0
8.5	91.3	0.0	92.1	0
9.0	91.8	3.1	88.5	0
9.5	92.3	4.0	87.1	0
10.0	92.7	5.0	85.7	0
10.5	93.1	6.2	84.0	0
11.0	93.5	7.0	82.8	0
11.5	93.9	7.2	82.3	0
12.0	94.3	3.0	86.1	0
12.5	94.6	2.9	85.8	0
13.0	95.0	3.4	85.0	0
13.5	95.3	3.9	84.2	0
14.0	95.6	4.3	83.4	0
14.5	95.9	4.6	82.8	0
15.0	96.2	5.1	82.0	0
15.5	96.5	5.6	81.3	0
16.0	96.8	6.0	80.6	0
16.5	97.0	8.6	77.7	0
17.0	97.3	9.8	76.3	0
17.5	97.6	9.4	76.4	0
18.0	97.8	9.4	76.2	0
18.5	98.0	9.2	76.1	0
19.0	98.3	9.6	75.5	0
19.5	98.5	10.3	74.6	0
20.0	98.7	10.8	73.8	0
20.5	98.9	11.3	73.1	0
21.0	99.1	11.7	72.5	0
21.5	99.3	12.2	71.8	0
22.0	99.5	12.7	71.1	0
22.5	99.7	13.3	70.3	0
23.0	99.9	13.7	69.7	0
23.5	100.1	14.2	69.0	0
24.0	100.3	14.7	68.4	0
24.5	100.5	15.1	67.8	0
25.0	100.7	15.5	67.2	0

TECHNOTE-101 (Longley-Rice-Hufford) JFA Version 23.12
 from Irregular Terrain Model (ITM) -- U.S. Dept. of Commerce
 Code changes updated to meet Longley-Rice version 1.2.2
 This program uses 30 second terrain data to calculate dBu field

Project:KAGM 39-41-50 104-33-25 Azimuth 75 deg. Power 66.0 dBm
 Distance to contour using Longley Rice = 23 KM
 Distance to Contour using F[50,50] = 16.2 KM Difference = 42%

Distance	Free Space	ITM Loss	dBu	Key
2.0	78.7	31.9	72.7	0
2.5	80.7	29.8	72.9	0
3.0	82.2	0.0	101.1	0
3.5	83.6	3.0	96.8	0
4.0	84.7	7.7	90.9	0
4.5	85.8	0.0	97.6	0
5.0	86.7	0.0	96.7	0
5.5	87.5	0.0	95.9	0
6.0	88.3	0.0	95.1	0
6.5	89.0	0.0	94.4	0
7.0	89.6	0.0	93.8	0
7.5	90.2	0.0	93.2	0
8.0	90.8	0.0	92.6	0
8.5	91.3	0.0	92.1	0
9.0	91.8	0.0	91.6	0
9.5	92.3	0.0	91.1	0
10.0	92.7	3.4	87.3	0
10.5	93.1	5.9	84.3	0
11.0	93.5	6.8	83.0	0
11.5	93.9	7.0	82.5	0
12.0	94.3	3.0	86.1	0
12.5	94.6	2.9	85.8	0
13.0	95.0	3.4	85.0	0
13.5	95.3	3.8	84.3	0
14.0	95.6	4.3	83.4	0
14.5	95.9	4.6	82.8	0
15.0	96.2	5.1	82.0	0
15.5	96.5	5.6	81.3	0
16.0	96.8	6.0	80.6	0
16.5	97.0	9.3	77.0	0
17.0	97.3	9.8	76.3	0
17.5	97.6	9.2	76.6	0
18.0	97.8	9.2	76.4	0
18.5	98.0	9.3	76.0	0
19.0	98.3	9.7	75.4	0
19.5	98.5	10.4	74.5	0
20.0	98.7	10.8	73.8	0
20.5	98.9	11.3	73.1	0
21.0	99.1	11.8	72.4	0
21.5	99.3	12.2	71.8	0
22.0	99.5	12.8	71.0	0
22.5	99.7	13.3	70.3	0
23.0	99.9	13.7	69.7	0
23.5	100.1	14.3	68.9	0
24.0	100.3	14.8	68.3	0
24.5	100.5	15.2	67.7	0
25.0	100.7	15.4	67.3	0

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 from Irregular Terrain Model (ITM) -- U.S. Dept. of Commerce
 Code changes updated to meet Longley-Rice version 1.2.2
 This program uses 30 second terrain data to calculate dBu field

Project:KAGM 39-41-50 104-33-25 Azimuth 76 deg. Power 66.0 dBm
 Distance to contour using Longley Rice = 22.5 KM
 Distance to Contour using F[50,50] = 16.0 KM Difference = 41%

Distance	Free Space	ITM Loss	dBu	Key
2.0	78.7	31.9	72.7	0
2.5	80.7	29.7	73.0	0
3.0	82.2	0.0	101.1	0
3.5	83.6	3.0	96.8	0
4.0	84.7	7.6	91.0	0
4.5	85.8	0.0	97.6	0
5.0	86.7	0.0	96.7	0
5.5	87.5	0.0	95.9	0
6.0	88.3	0.0	95.1	0
6.5	89.0	0.0	94.4	0
7.0	89.6	0.0	93.8	0
7.5	90.2	0.0	93.2	0
8.0	90.8	0.0	92.6	0
8.5	91.3	0.0	92.1	0
9.0	91.8	0.0	91.6	0
9.5	92.3	0.0	91.1	0
10.0	92.7	3.5	87.2	0
10.5	93.1	4.0	86.2	0
11.0	93.5	6.5	83.3	0
11.5	93.9	3.1	86.4	0
12.0	94.3	2.9	86.2	0
12.5	94.6	2.8	85.9	0
13.0	95.0	3.3	85.1	0
13.5	95.3	3.8	84.3	0
14.0	95.6	4.3	83.4	0
14.5	95.9	4.6	82.8	0
15.0	96.2	5.1	82.0	0
15.5	96.5	5.6	81.3	0
16.0	96.8	6.1	80.5	0
16.5	97.0	8.3	78.0	0
17.0	97.3	8.9	77.2	0
17.5	97.6	7.8	78.0	0
18.0	97.8	8.6	77.0	0
18.5	98.0	9.4	75.9	0
19.0	98.3	9.8	75.3	0
19.5	98.5	10.4	74.5	0
20.0	98.7	10.9	73.7	0
20.5	98.9	11.4	73.0	0
21.0	99.1	11.8	72.4	0
21.5	99.3	12.3	71.7	0
22.0	99.5	12.9	70.9	0
22.5	99.7	13.3	70.3	0
23.0	99.9	13.8	69.6	0
23.5	100.1	14.4	68.8	0
24.0	100.3	14.9	68.2	0
24.5	100.5	15.5	67.4	0
25.0	100.7	17.8	64.9	0

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 Code changes updated to meet Longley-Rice version 1.2.2
 This program uses 30 second terrain data to calculate dBu field

Project:KAGM 39-41-50 104-33-25 Azimuth 77 deg. Power 66.0 dBm
 Distance to contour using Longley Rice = 23 KM
 Distance to Contour using F[50,50] = 15.9 KM Difference = 45%

Distance	Free Space	ITM Loss	dBu	Key
2.0	78.7	31.9	72.7	0
2.5	80.7	29.7	73.0	0
3.0	82.2	0.0	101.1	0
3.5	83.6	3.0	96.8	0
4.0	84.7	7.6	91.0	0
4.5	85.8	0.0	97.6	0
5.0	86.7	0.0	96.7	0
5.5	87.5	0.0	95.9	0
6.0	88.3	0.0	95.1	0
6.5	89.0	0.0	94.4	0
7.0	89.6	0.0	93.8	0
7.5	90.2	0.0	93.2	0
8.0	90.8	0.0	92.6	0
8.5	91.3	0.0	92.1	0
9.0	91.8	0.0	91.6	0
9.5	92.3	0.0	91.1	0
10.0	92.7	3.5	87.2	0
10.5	93.1	4.0	86.2	0
11.0	93.5	5.9	83.9	0
11.5	93.9	3.1	86.4	0
12.0	94.3	2.9	86.2	0
12.5	94.6	2.8	85.9	0
13.0	95.0	3.2	85.2	0
13.5	95.3	3.7	84.4	0
14.0	95.6	4.2	83.5	0
14.5	95.9	4.6	82.8	0
15.0	96.2	5.1	82.0	0
15.5	96.5	5.6	81.3	0
16.0	96.8	6.2	80.4	0
16.5	97.0	7.8	78.5	0
17.0	97.3	8.2	77.9	0
17.5	97.6	8.0	77.8	0
18.0	97.8	8.8	76.8	0
18.5	98.0	9.5	75.8	0
19.0	98.3	9.9	75.2	0
19.5	98.5	10.4	74.5	0
20.0	98.7	10.9	73.7	0
20.5	98.9	11.3	73.1	0
21.0	99.1	11.8	72.4	0
21.5	99.3	12.3	71.7	0
22.0	99.5	12.8	71.0	0
22.5	99.7	13.3	70.3	0
23.0	99.9	13.8	69.6	0
23.5	100.1	14.3	68.9	0
24.0	100.3	14.8	68.3	0
24.5	100.5	17.6	65.3	0
25.0	100.7	18.8	63.9	0

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 from Irregular Terrain Model (ITM) -- U.S. Dept. of Commerce
 Code changes updated to meet Longley-Rice version 1.2.2
 This program uses 30 second terrain data to calculate dBu field

Project:KAGM 39-41-50 104-33-25 Azimuth 78 deg. Power 66.0 dBm
 Distance to contour using Longley Rice = 23 KM
 Distance to Contour using F[50,50] = 15.9 KM Difference = 45%

Distance	Free Space	ITM Loss	dBu	Key
2.0	78.7	31.9	72.7	0
2.5	80.7	29.7	73.0	0
3.0	82.2	0.0	101.1	0
3.5	83.6	3.0	96.8	0
4.0	84.7	7.7	90.9	0
4.5	85.8	0.0	97.6	0
5.0	86.7	0.0	96.7	0
5.5	87.5	0.0	95.9	0
6.0	88.3	0.0	95.1	0
6.5	89.0	0.0	94.4	0
7.0	89.6	0.0	93.8	0
7.5	90.2	0.0	93.2	0
8.0	90.8	0.0	92.6	0
8.5	91.3	0.0	92.1	0
9.0	91.8	0.0	91.6	0
9.5	92.3	0.0	91.1	0
10.0	92.7	3.5	87.2	0
10.5	93.1	4.0	86.2	0
11.0	93.5	6.3	83.5	0
11.5	93.9	3.1	86.4	0
12.0	94.3	2.9	86.2	0
12.5	94.6	2.7	86.0	0
13.0	95.0	3.2	85.2	0
13.5	95.3	3.7	84.4	0
14.0	95.6	4.2	83.5	0
14.5	95.9	4.6	82.8	0
15.0	96.2	5.2	81.9	0
15.5	96.5	5.7	81.2	0
16.0	96.8	7.1	79.5	0
16.5	97.0	7.8	78.5	0
17.0	97.3	7.5	78.6	0
17.5	97.6	8.2	77.6	0
18.0	97.8	9.0	76.6	0
18.5	98.0	9.6	75.7	0
19.0	98.3	10.0	75.1	0
19.5	98.5	10.5	74.4	0
20.0	98.7	11.0	73.6	0
20.5	98.9	11.4	73.0	0
21.0	99.1	11.9	72.3	0
21.5	99.3	12.4	71.6	0
22.0	99.5	12.9	70.9	0
22.5	99.7	13.3	70.3	0
23.0	99.9	13.7	69.7	0
23.5	100.1	14.2	69.0	0
24.0	100.3	14.7	68.4	0
24.5	100.5	19.6	63.3	0
25.0	100.7	19.9	62.8	0

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 from Irregular Terrain Model (ITM) -- U.S. Dept. of Commerce
 Code changes updated to meet Longley-Rice version 1.2.2
 This program uses 30 second terrain data to calculate dBu field

Project:KAGM 39-41-50 104-33-25 Azimuth 79 deg. Power 66.0 dBm
 Distance to contour using Longley Rice = 23 KM
 Distance to Contour using F[50,50] = 15.9 KM Difference = 45%

Distance	Free Space	ITM Loss	dBu	Key
2.0	78.7	31.9	72.7	0
2.5	80.7	29.7	73.0	0
3.0	82.2	0.0	101.1	0
3.5	83.6	3.0	96.8	0
4.0	84.7	7.7	90.9	0
4.5	85.8	0.0	97.6	0
5.0	86.7	0.0	96.7	0
5.5	87.5	0.0	95.9	0
6.0	88.3	0.0	95.1	0
6.5	89.0	0.0	94.4	0
7.0	89.6	0.0	93.8	0
7.5	90.2	0.0	93.2	0
8.0	90.8	0.0	92.6	0
8.5	91.3	0.0	92.1	0
9.0	91.8	0.0	91.6	0
9.5	92.3	0.0	91.1	0
10.0	92.7	3.6	87.1	0
10.5	93.1	4.0	86.2	0
11.0	93.5	3.8	86.0	0
11.5	93.9	3.1	86.4	0
12.0	94.3	2.9	86.2	0
12.5	94.6	2.6	86.1	0
13.0	95.0	3.1	85.3	0
13.5	95.3	3.6	84.5	0
14.0	95.6	4.2	83.5	0
14.5	95.9	4.6	82.8	0
15.0	96.2	5.2	81.9	0
15.5	96.5	5.7	81.2	0
16.0	96.8	7.1	79.5	0
16.5	97.0	7.0	79.3	0
17.0	97.3	7.5	78.6	0
17.5	97.6	8.2	77.6	0
18.0	97.8	9.0	76.6	0
18.5	98.0	9.6	75.7	0
19.0	98.3	10.0	75.1	0
19.5	98.5	10.6	74.3	0
20.0	98.7	11.0	73.6	0
20.5	98.9	11.5	72.9	0
21.0	99.1	11.9	72.3	0
21.5	99.3	12.4	71.6	0
22.0	99.5	12.7	71.1	0
22.5	99.7	13.1	70.5	0
23.0	99.9	13.5	69.9	0
23.5	100.1	14.0	69.2	0
24.0	100.3	18.1	65.0	0
24.5	100.5	21.1	61.8	0
25.0	100.7	21.2	61.5	0

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 Code changes updated to meet Longley-Rice version 1.2.2
 This program uses 30 second terrain data to calculate dBu field

Project:KAGM 39-41-50 104-33-25 Azimuth 80 deg. Power 66.0 dBm
 Distance to contour using Longley Rice = 23 KM
 Distance to Contour using F[50,50] = 15.8 KM Difference = 46%

Distance	Free Space	ITM Loss	dBu	Key
2.0	78.7	31.9	72.7	0
2.5	80.7	29.7	73.0	0
3.0	82.2	0.0	101.1	0
3.5	83.6	3.0	96.8	0
4.0	84.7	7.7	90.9	0
4.5	85.8	0.0	97.6	0
5.0	86.7	0.0	96.7	0
5.5	87.5	0.0	95.9	0
6.0	88.3	0.0	95.1	0
6.5	89.0	0.0	94.4	0
7.0	89.6	0.0	93.8	0
7.5	90.2	0.0	93.2	0
8.0	90.8	0.0	92.6	0
8.5	91.3	0.0	92.1	0
9.0	91.8	0.0	91.6	0
9.5	92.3	0.0	91.1	0
10.0	92.7	3.6	87.1	0
10.5	93.1	4.0	86.2	0
11.0	93.5	3.7	86.1	0
11.5	93.9	3.1	86.4	0
12.0	94.3	2.9	86.2	0
12.5	94.6	2.5	86.2	0
13.0	95.0	3.0	85.4	0
13.5	95.3	3.6	84.5	0
14.0	95.6	4.2	83.5	0
14.5	95.9	4.6	82.8	0
15.0	96.2	5.2	81.9	0
15.5	96.5	5.8	81.1	0
16.0	96.8	7.2	79.4	0
16.5	97.0	7.1	79.2	0
17.0	97.3	7.6	78.5	0
17.5	97.6	8.4	77.4	0
18.0	97.8	9.1	76.5	0
18.5	98.0	9.7	75.6	0
19.0	98.3	10.1	75.0	0
19.5	98.5	10.6	74.3	0
20.0	98.7	11.1	73.5	0
20.5	98.9	11.5	72.9	0
21.0	99.1	12.0	72.2	0
21.5	99.3	12.4	71.6	0
22.0	99.5	12.8	71.0	0
22.5	99.7	13.1	70.5	0
23.0	99.9	13.5	69.9	0
23.5	100.1	15.6	67.6	0
24.0	100.3	20.1	63.0	0
24.5	100.5	21.0	61.9	0
25.0	100.7	20.6	62.1	0

TECHNOTE-101 (Longley-Rice-Hufford) JFA Version 23.13
 from Irregular Terrain Model (ITM) -- U.S. Dept. of Commerce
 Code changes updated to meet Longley-Rice version 1.2.2
 This program uses 30 second terrain data to calculate dBu field

Project:KAGM 39-41-50 104-33-25 Azimuth 81 deg. Power 66.0 dBm
 Distance to contour using Longley Rice = 23 KM
 Distance to Contour using F[50,50] = 15.7 KM Difference = 47%

Distance	Free Space	ITM Loss	dBu	Key
2.0	78.7	31.9	72.7	0
2.5	80.7	29.7	73.0	0
3.0	82.2	0.0	101.1	0
3.5	83.6	3.0	96.8	0
4.0	84.7	7.7	90.9	0
4.5	85.8	0.0	97.6	0
5.0	86.7	0.0	96.7	0
5.5	87.5	0.0	95.9	0
6.0	88.3	0.0	95.1	0
6.5	89.0	0.0	94.4	0
7.0	89.6	0.0	93.8	0
7.5	90.2	0.0	93.2	0
8.0	90.8	0.0	92.6	0
8.5	91.3	1.6	90.5	0
9.0	91.8	1.8	89.8	0
9.5	92.3	0.0	91.1	0
10.0	92.7	3.6	87.1	0
10.5	93.1	4.1	86.1	0
11.0	93.5	3.7	86.1	0
11.5	93.9	3.1	86.4	0
12.0	94.3	2.8	86.3	0
12.5	94.6	2.5	86.2	0
13.0	95.0	3.0	85.4	0
13.5	95.3	3.5	84.6	0
14.0	95.6	4.1	83.6	0
14.5	95.9	4.5	82.9	0
15.0	96.2	5.2	81.9	0
15.5	96.5	5.9	81.0	0
16.0	96.8	7.2	79.4	0
16.5	97.0	7.2	79.1	0
17.0	97.3	7.7	78.4	0
17.5	97.6	8.5	77.3	0
18.0	97.8	9.2	76.4	0
18.5	98.0	9.7	75.6	0
19.0	98.3	10.2	74.9	0
19.5	98.5	10.6	74.3	0
20.0	98.7	11.1	73.5	0
20.5	98.9	11.5	72.9	0
21.0	99.1	12.1	72.1	0
21.5	99.3	12.5	71.5	0
22.0	99.5	12.8	71.0	0
22.5	99.7	13.2	70.4	0
23.0	99.9	13.5	69.9	0
23.5	100.1	13.9	69.3	0
24.0	100.3	18.4	64.7	0
24.5	100.5	19.1	63.8	0
25.0	100.7	17.9	64.8	0

TECHNOTE-101 (Longley-Rice-Hufford) JFA Version 23.13
 from Irregular Terrain Model (ITM) -- U.S. Dept. of Commerce
 Code changes updated to meet Longley-Rice version 1.2.2
 This program uses 30 second terrain data to calculate dBu field

Project:KAGM 39-41-50 104-33-25 Azimuth 82 deg. Power 66.0 dBm
 Distance to contour using Longley Rice = 23 KM
 Distance to Contour using F[50,50] = 15.6 KM Difference = 47%

Distance	Free Space	ITM Loss	dBu	Key
2.0	78.7	31.9	72.7	0
2.5	80.7	29.7	73.0	0
3.0	82.2	0.0	101.1	0
3.5	83.6	3.0	96.8	0
4.0	84.7	7.7	90.9	0
4.5	85.8	0.0	97.6	0
5.0	86.7	0.0	96.7	0
5.5	87.5	0.0	95.9	0
6.0	88.3	0.0	95.1	0
6.5	89.0	0.0	94.4	0
7.0	89.6	0.0	93.8	0
7.5	90.2	0.0	93.2	0
8.0	90.8	0.0	92.6	0
8.5	91.3	0.0	92.1	0
9.0	91.8	1.8	89.8	0
9.5	92.3	2.3	88.8	0
10.0	92.7	3.6	87.1	0
10.5	93.1	4.1	86.1	0
11.0	93.5	3.6	86.2	0
11.5	93.9	3.1	86.4	0
12.0	94.3	2.7	86.4	0
12.5	94.6	2.4	86.3	0
13.0	95.0	2.9	85.5	0
13.5	95.3	3.4	84.7	0
14.0	95.6	4.0	83.7	0
14.5	95.9	4.4	83.0	0
15.0	96.2	5.1	82.0	0
15.5	96.5	5.8	81.1	0
16.0	96.8	6.4	80.2	0
16.5	97.0	7.1	79.2	0
17.0	97.3	7.7	78.4	0
17.5	97.6	8.5	77.3	0
18.0	97.8	9.2	76.4	0
18.5	98.0	9.7	75.6	0
19.0	98.3	10.1	75.0	0
19.5	98.5	10.5	74.4	0
20.0	98.7	11.0	73.6	0
20.5	98.9	11.4	73.0	0
21.0	99.1	11.9	72.3	0
21.5	99.3	12.4	71.6	0
22.0	99.5	12.7	71.1	0
22.5	99.7	13.1	70.5	0
23.0	99.9	13.4	70.0	0
23.5	100.1	13.8	69.4	0
24.0	100.3	17.3	65.8	0
24.5	100.5	19.0	63.9	0
25.0	100.7	17.8	64.9	0

TECHNOTE-101 (Longley-Rice-Hufford) JFA Version 23.13
 from Irregular Terrain Model (ITM) -- U.S. Dept. of Commerce
 Code changes updated to meet Longley-Rice version 1.2.2
 This program uses 30 second terrain data to calculate dBu field

Project:KAGM 39-41-50 104-33-25 Azimuth 83 deg. Power 66.0 dBm
 Distance to contour using Longley Rice = 23 KM
 Distance to Contour using F[50,50] = 15.5 KM Difference = 48%

Distance	Free Space	ITM Loss	dBu	Key
2.0	78.7	31.9	72.7	0
2.5	80.7	29.7	73.0	0
3.0	82.2	0.0	101.1	0
3.5	83.6	3.0	96.8	0
4.0	84.7	7.7	90.9	0
4.5	85.8	0.0	97.6	0
5.0	86.7	0.0	96.7	0
5.5	87.5	0.0	95.9	0
6.0	88.3	0.0	95.1	0
6.5	89.0	0.0	94.4	0
7.0	89.6	0.0	93.8	0
7.5	90.2	0.0	93.2	0
8.0	90.8	0.0	92.6	0
8.5	91.3	0.0	92.1	0
9.0	91.8	0.0	91.6	0
9.5	92.3	2.3	88.8	0
10.0	92.7	3.6	87.1	0
10.5	93.1	4.1	86.1	0
11.0	93.5	3.7	86.1	0
11.5	93.9	3.1	86.4	0
12.0	94.3	2.7	86.4	0
12.5	94.6	2.4	86.3	0
13.0	95.0	2.9	85.5	0
13.5	95.3	3.4	84.7	0
14.0	95.6	3.9	83.8	0
14.5	95.9	4.4	83.0	0
15.0	96.2	5.0	82.1	0
15.5	96.5	6.3	80.6	0
16.0	96.8	6.6	80.0	0
16.5	97.0	7.2	79.1	0
17.0	97.3	7.7	78.4	0
17.5	97.6	8.6	77.2	0
18.0	97.8	9.2	76.4	0
18.5	98.0	9.7	75.6	0
19.0	98.3	10.1	75.0	0
19.5	98.5	10.5	74.4	0
20.0	98.7	11.0	73.6	0
20.5	98.9	11.4	73.0	0
21.0	99.1	11.8	72.4	0
21.5	99.3	12.3	71.7	0
22.0	99.5	12.7	71.1	0
22.5	99.7	13.1	70.5	0
23.0	99.9	13.4	70.0	0
23.5	100.1	13.8	69.4	0
24.0	100.3	16.3	66.8	0
24.5	100.5	18.3	64.6	0
25.0	100.7	17.5	65.2	0

Error Key: 1=Caution, close to limits
2=Impossible parameters, default substituted
3=Calculatons show parametes out of range
4=Parameters out of range