

# D-Loop Antenna

I been playing with Delta-Loop antennas and put together a chart based on my findings. It's called D-loop-1.jpg.

It's rather basic but it my give someone some ideas of there own.

I have made the following with good to great results.

75 meters @ 3.900.00 Mhz

60 meters @ 5.330.50 Mhz

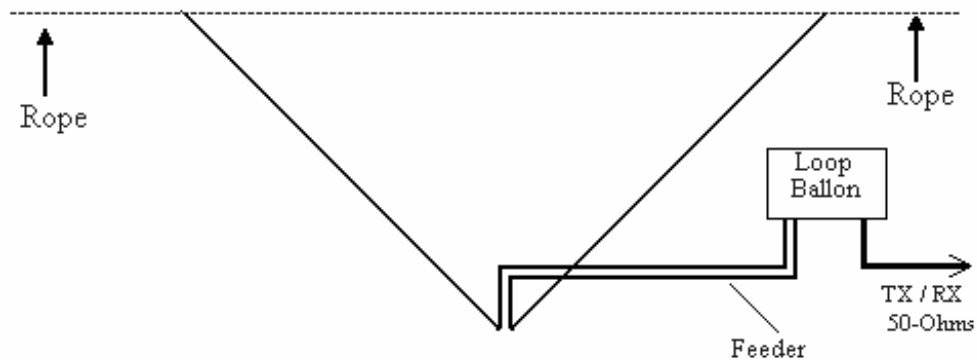
40 Meters @ 7.150.00 Mhz

From the 75 Meter antenna above I was able to work all bands except 160 Meters With an antenna tuner.

So this may help some one who doesn't have a calculator. Or know the formulas for it.

Dave

<http://home.bellsouth.net/p/PWP-W4DRA>



# Dave's Delta Loop's

75-80 meters	437	296x2	Total	20meters	437	296x2	Total
3.800	115'	77' 10 <sup>3</sup> / <sub>4</sub> "	270' 9 <sup>1</sup> / <sub>2</sub> "	14.000	31' 2 <sup>9</sup> / <sub>16</sub> "	21' 1 <sup>1</sup> / <sub>16</sub> "	73' 6"
3.825	114' 3"	77' 4 <sup>5</sup> / <sub>8</sub> "	269' 0 <sup>1</sup> / <sub>4</sub> "	14.100	30' 11 <sup>15</sup> / <sub>16</sub> "	20' 11 <sup>15</sup> / <sub>16</sub> "	72' 11 <sup>3</sup> / <sub>4</sub> "
3.850	113' 6"	76' 10 <sup>5</sup> / <sub>8</sub> "	267' 3 <sup>1</sup> / <sub>4</sub> "	14.150	30' 10 <sup>5</sup> / <sub>8</sub> "	20' 11"	72' 8 <sup>1</sup> / <sub>16</sub> "
3.875	112' 9 <sup>1</sup> / <sub>4</sub> "	76' 4 <sup>5</sup> / <sub>8</sub> "	265' 6 <sup>1</sup> / <sub>2</sub> "	14.200	30' 9 <sup>5</sup> / <sub>16</sub> "	20' 10 <sup>1</sup> / <sub>8</sub> "	72' 5 <sup>5</sup> / <sub>8</sub> "
3.900	112'	75' 10 <sup>3</sup> / <sub>4</sub> "	263' 9 <sup>1</sup> / <sub>2</sub> "	14.250	30' 8"	20' 9 <sup>1</sup> / <sub>4</sub> "	72' 2 <sup>1</sup> / <sub>2</sub> "
3.925	111' 4"	75' 5"	262' 2"	14.300	30' 6 <sup>1</sup> / <sub>16</sub> "	20' 8 <sup>3</sup> / <sub>8</sub> "	71' 11 <sup>1</sup> / <sub>2</sub> "
3.950	110' 7 <sup>5</sup> / <sub>8</sub> "	74' 11 <sup>1</sup> / <sub>4</sub> "	260' 6 <sup>1</sup> / <sub>8</sub> "	14.350	30' 5 <sup>1</sup> / <sub>2</sub> "	20' 7 <sup>1</sup> / <sub>2</sub> "	71' 8 <sup>1</sup> / <sub>2</sub> "
3.975	109' 11"	74' 5 <sup>1</sup> / <sub>2</sub> "	258' 10"				
60 meters	437	296 x 2	Total	15 meters	437	296 x 2	Total
5.330.50	81' 11"	55' 6 <sup>3</sup> / <sub>8</sub> "	192' 11 <sup>1</sup> / <sub>16</sub> "	21.0	20' 9 <sup>1</sup> / <sub>16</sub> "	14' 1 <sup>1</sup> / <sub>8</sub> "	49' 0"
5.34650	81' 8 <sup>13</sup> / <sub>16</sub> "	55' 4 <sup>3</sup> / <sub>8</sub> "	192' 5 <sup>9</sup> / <sub>16</sub> "	21.1	20' 8 <sup>1</sup> / <sub>2</sub> "	14' 0 <sup>1</sup> / <sub>4</sub> "	48' 9"
5.36650	81' 5 <sup>3</sup> / <sub>16</sub> "	55' 1 <sup>7</sup> / <sub>8</sub> "	191' 8 <sup>15</sup> / <sub>16</sub> "	21.2	20' 7 <sup>3</sup> / <sub>8</sub> "	13' 11 <sup>9</sup> / <sub>16</sub> "	48' 6 <sup>1</sup> / <sub>2</sub> "
5.37150	81' 4 <sup>1</sup> / <sub>4</sub> "	55' 1 <sup>1</sup> / <sub>4</sub> "	191' 6 <sup>13</sup> / <sub>16</sub> "	21.3	20' 6 <sup>3</sup> / <sub>16</sub> "	13' 10 <sup>3</sup> / <sub>4</sub> "	48' 3 <sup>1</sup> / <sub>16</sub> "
5.40350	80' 10 <sup>1</sup> / <sub>2</sub> "	54' 9 <sup>3</sup> / <sub>8</sub> "	190' 5 <sup>3</sup> / <sub>16</sub> "	21.4	20' 5 <sup>1</sup> / <sub>16</sub> "	13' 10"	48' 1"
40 meters	437	296 x 2	Total	10 meters	437	296 x 2	Total
7.000	62' 5 <sup>1</sup> / <sub>8</sub> "	42' 3 <sup>7</sup> / <sub>16</sub> "	147' 0"	28.0	15' 7 <sup>5</sup> / <sub>16</sub> "	10' 6 <sup>7</sup> / <sub>8</sub> "	36' 9"
7.050	61' 11 <sup>13</sup> / <sub>16</sub> "	41' 11 <sup>13</sup> / <sub>16</sub> "	145' 11 <sup>1</sup> / <sub>2</sub> "	28.250	15' 5 <sup>5</sup> / <sub>8</sub> "	10' 5 <sup>3</sup> / <sub>4</sub> "	36' 5 <sup>1</sup> / <sub>8</sub> "
7.100	61' 6 <sup>9</sup> / <sub>16</sub> "	41' 8 <sup>5</sup> / <sub>16</sub> "	144' 11 <sup>1</sup> / <sub>8</sub> "	28.500	15' 4"	10' 4 <sup>5</sup> / <sub>8</sub> "	36' 1 <sup>1</sup> / <sub>4</sub> "
7.150	61' 1 <sup>7</sup> / <sub>16</sub> "	41' 4 <sup>13</sup> / <sub>16</sub> "	143' 11"	28.750	15' 2 <sup>3</sup> / <sub>8</sub> "	10' 3 <sup>9</sup> / <sub>16</sub> "	35' 9 <sup>1</sup> / <sub>2</sub> "
7.200	60' 8 <sup>5</sup> / <sub>16</sub> "	41' 1 <sup>5</sup> / <sub>16</sub> "	142' 11"	29.000	15' 0 <sup>13</sup> / <sub>16</sub> "	10' 2 <sup>1</sup> / <sub>2</sub> "	35' 5 <sup>13</sup> / <sub>16</sub> "
7.250	60' 3 <sup>5</sup> / <sub>16</sub> "	40' 9 <sup>15</sup> / <sub>16</sub> "	141' 11 <sup>3</sup> / <sub>16</sub> "	29.250	14' 11 <sup>5</sup> / <sub>16</sub> "	10' 1 <sup>7</sup> / <sub>16</sub> "	35' 2 <sup>3</sup> / <sub>16</sub> "
7.300	59' 10 <sup>3</sup> / <sub>8</sub> "	40' 6 <sup>9</sup> / <sub>16</sub> "	140' 11 <sup>1</sup> / <sub>2</sub> "	29.500	14' 9 <sup>3</sup> / <sub>4</sub> "	10' 0 <sup>7</sup> / <sub>16</sub> "	34' 10 <sup>9</sup> / <sub>16</sub> "

