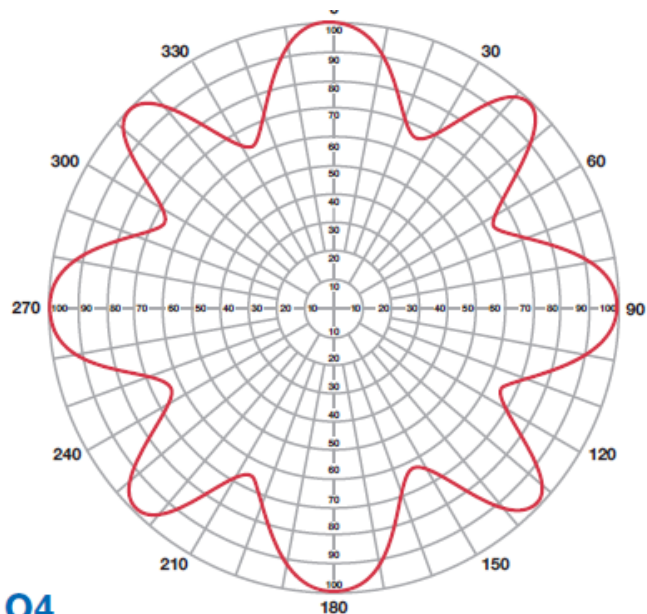
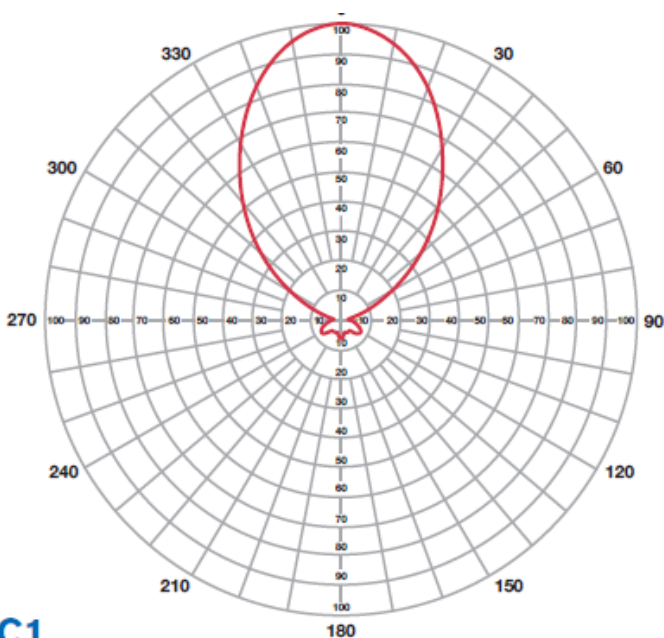


## TU Series - Deltawing



**O4**  
Directivity=1.4



**C1**  
Directivity=6.0

### Electrical Specifications

No. of Layers	RMS Gain*	Peak Gain*	Max. Avg. Power (kW)	EIA Input Connector (in)
2	4.8	6.7	40	6 1/8
4	9.4	13.2	60	6 1/8
6	14.0	19.6	110	8 3/16
8	17.1	23.9	110	8 3/16
10	21.6	30.2	110	8 3/16
12	24.2	33.9	110	8 3/16
14	28.6	40.0	110	8 3/16
16	32.5	45.5	110	8 3/16

### Mechanical Specifications

Height H <sub>2</sub> (ft)	Moment Arm D <sub>1</sub>	CfAc (ft <sub>2</sub> )	Weight (lbs)
8.9	4.5	46	1400
16.5	8.3	83	2700
24.1	12.1	120	4000
31.7	15.9	164	5400
39.3	19.7	214	6800
46.9	23.5	267	8200
54.5	27.3	323	10000
62.1	31.1	384	11800

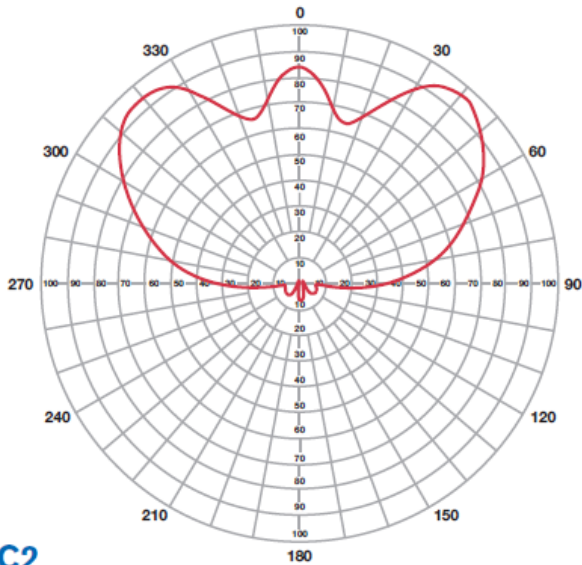
### Electrical Specifications

No. of Layers	Peak Gain*	Max. Avg. Power (kW)	EIA Input Connector (in)
2	28.8	10	3 1/8
4	56.4	20	4 1/16
6	84.0	60	4 1/16
8	102.6	40	6 1/8
10	129.6	50	6 1/8
12	145.2	60	6 1/8
14	171.6	60	6 1/8
16	195.0	60	6 1/8

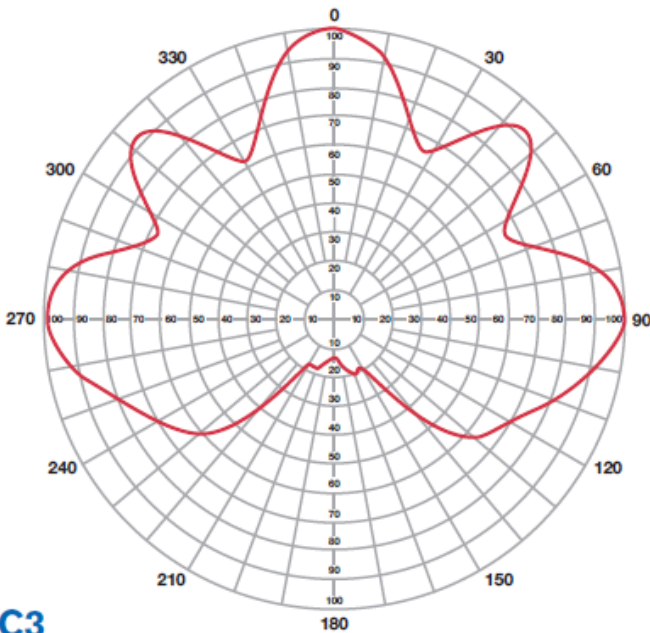
### Mechanical Specifications

Height H <sub>2</sub> (ft)	Moment Arm D <sub>1</sub>	CfAc (ft <sub>2</sub> )	Weight (lbs)
8.9	4.5	37	1100
16.5	8.3	66	2100
24.1	12.1	99	3100
31.7	15.9	138	4200
39.3	19.7	180	5300
46.9	23.5	225	6400
54.5	27.3	276	7900
62.1	31.1	331	9400

\*at channel 41



**C2**  
Directivity=3.0



**C3**  
Directivity=2.0

### Electrical Specifications

No. of Layers	Peak Gain*	Max. Avg. Power (kW)	EIA Input Connector (in)
2	14.4	20	4 1/16
4	28.2	40	6 1/8
6	42.0	60	6 1/8
8	51.3	80	7 3/16
10	64.8	100	8 3/16
12	72.6	110	8 3/16
14	85.8	110	8 3/16
16	97.5	110	8 3/16

### Mechanical Specifications

Height H <sub>2</sub> (ft)	Moment Arm D <sub>1</sub>	CfAc (ft <sup>2</sup> )	Weight (lbs)
8.9	4.5	42	1200
16.5	8.3	76	2300
24.1	12.1	111	3400
31.7	15.9	152	4600
39.3	19.7	201	5800
46.9	23.5	246	7000
54.5	27.3	303	8600
62.1	31.1	359	10200

### Electrical Specifications

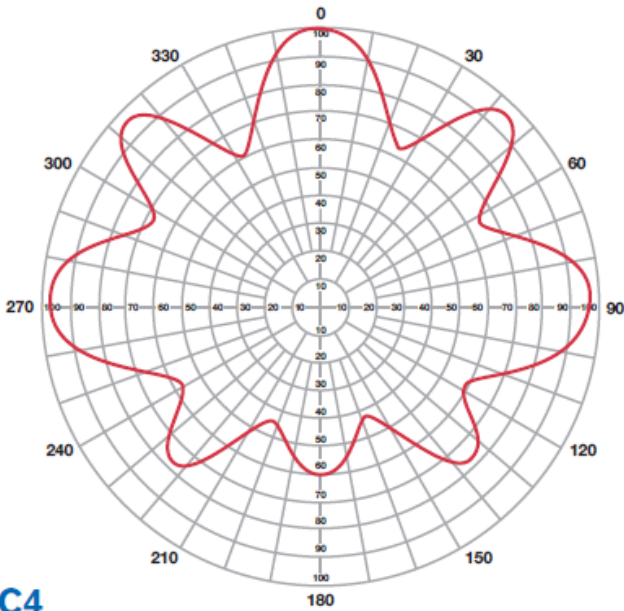
No. of Layers	Peak Gain*	Max. Avg. Power (kW)	EIA Input Connector (in)
2	9.6	30	4 1/16
4	18.8	60	6 1/8
6	28.0	90	8 3/16
8	34.2	110	8 3/16 EHT
10	43.2	110	8 3/16 EHT
12	48.4	110	8 3/16 EHT
14	65.0	110	8 3/16 EHT

### Mechanical Specifications

Height H <sub>2</sub> (ft)	Moment Arm D <sub>1</sub>	CfAc (ft <sup>2</sup> )	Weight (lbs)
8.9	4.5	46	1300
16.5	8.3	83	2500
24.1	12.1	120	3700
31.7	15.9	164	5000
39.3	19.7	214	6300
46.9	23.5	267	7500
54.5	27.3	323	9300
62.1	31.1	384	11000

\*at channel 41

\*\*Enhanced Heat Transfer (EHT)



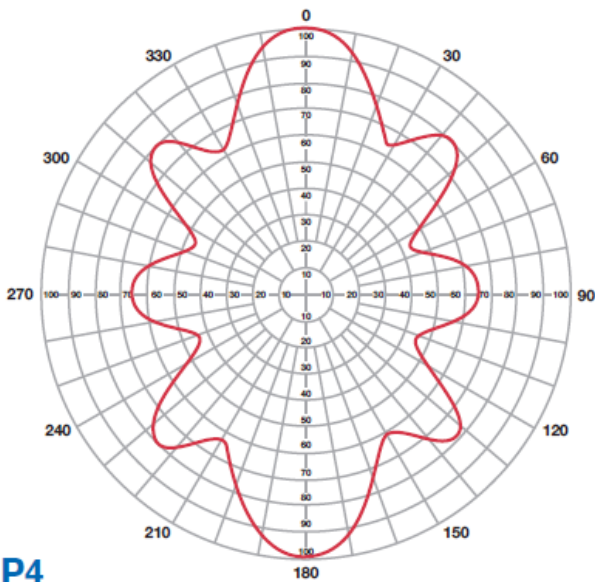
**C4**  
Directivity=1.7

## Electrical Specifications

No. of Layers	Peak Gain*	Max. Avg. Power (kW)	EIA Input Connector (in)
2	8.2	35	6 1/8
4	16.0	60	6 1/8
6	23.8	105	8 3/16
8	29.1	110	8 3/16
10	36.7	110	8 3/16
12	41.1	110	8 3/16
14	48.6	110	8 3/16
16	55.3	110	8 3/16

## Mechanical Specifications

Height H <sub>2</sub> (ft)	Moment Arm D <sub>1</sub>	CfAc (ft <sub>2</sub> )	Weight (lbs)
8.9	4.5	46	1400
16.5	8.3	83	2700
24.1	12.1	120	4000
31.7	15.9	164	5400
39.3	19.7	214	6800
46.9	23.5	267	8200
54.5	27.3	323	10000
62.1	31.1	384	11800



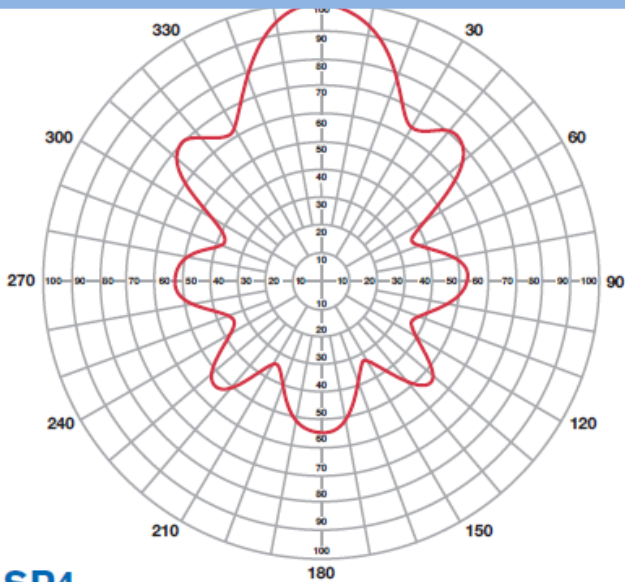
**P4**  
Directivity=2.0

## Electrical Specifications

No. of Layers	Peak Gain*	Max. Avg. Power (kW)	EIA Input Connector (in)
2	9.6	30	4 1/16
4	18.8	60	6 1/8
6	28.0	90	8 3/16
8	34.2	110	8 3/16 EHT
10	43.4	110	8 3/16 EHT
12	48.4	110	8 3/16 EHT
14	57.2	110	8 3/16 EHT
16	65.0	110	8 3/16 EHT

## Mechanical Specifications

Height H <sub>2</sub> (ft)	Moment Arm D <sub>1</sub>	CfAc (ft <sub>2</sub> )	Weight (lbs)
8.9	4.5	46	1400
16.5	8.3	83	2700
24.1	12.1	120	4000
31.7	15.9	164	5400
39.3	19.7	214	6800
46.9	23.5	267	8200
54.5	27.3	323	10000
62.1	31.1	384	11800



**SP4**  
Directivity=3.0

## TU Series Notes

### Electrical Specifications

No. of Layers	Peak Gain*	Max. Avg. Power (kW)	EIA Input Connector (in)
2	14.9	20	4 1/16
4	29.1	40	6 1/8
6	43.4	60	6 1/8
8	53.0	80	7 3/16
10	67.0	100	8 3/16 EHT
12	75.0	110	8 3/16 EHT
14	88.7	110	8 3/16 EHT
16	100.8	110	8 3/16 EHT

### Mechanical Specifications

Height H <sub>2</sub> (ft)	Moment Arm D <sub>1</sub>	CfAc (ft <sub>2</sub> )	Weight (lbs)
8.9	4.5	46	1400
16.5	8.3	83	2700
24.1	12.1	120	4000
31.7	15.9	164	5400
39.3	19.7	214	6800
46.9	23.5	267	8200
54.5	27.3	323	10000
62.1	31.1	384	11800

\*at channel 41

The data shown is for top mounted antennas with standard panel placement. Custom designs are available to request. Indicated power ratings are for standard TU arrays configured for maximum power rating with 1 5/8" EIA panel inputs and the listed array input connections. Ratings are based upon combining two channels into the antennas; contact the factory to verify ratings with more than two channels combined. TU designs with lower power ratings are also available. Custom array designs with higher power ratings are also available.

Mechanical data shown is for top mounted antennas including tower section, lighting protector, beacon (optional), panels, power dividers, and feedlines.

Top mounted antenna is supplied with adapter section and flange mount for bolting to tower top plate. Wind areas are based on TIA/EIA-222-F specifications and include force coefficient. Height with lightning protector, H<sub>4</sub>=H<sub>2</sub>+4 ft.

Side mount antennas do not include lightning protector. Weight for side mount antennas are reduced also; contact the factory for details.