

DH 48" Polar Mount

Available in 3.0m, 3.7m and 3.8m one piece or sectional antenna

Performance!



Saint Paul Neighborhood Network
St. Paul, Minnesota

With today's innovative technology, DH is able to take our larger; one piece, spun aluminum antenna and cut them into sections. This allows for ease of handling, installation and shipping.

Made In The
USA

Specifications	3.0m	3.7m	3.8m
Antenna Sections	4	4	4
C Band Gain @ 4 Gig	40.6 db	42.3 db	42.5 db
Ku Band Gain @ 12 Gig	49.9 db	51.1 db	51.8 db
Aluminum Thickness	.085	.085	.090
f/d Ratio	.3	.4	.378
Wind Force at 60° at 90 MPH	3,020 lbs	4,200 lbs	4,600 lbs
First Side Lobe (E-Plane)	1.2°	2.4°	2.3°
All Side Lobes	-26 db	-22 db	-22 db
3db Beam Width (E-Plane)	0.5°	1.4°	1.4°
F/L	36"	57.6"	57.6"
Antenna Weight (one piece)	102 lbs	180 lbs	198 lbs
Antenna Weight (sectional)	110 lbs	165 lbs	214 lbs
Crate Dims w/Antenna	62"x40"x66"	76"x36"x78"	79"x36"x81"
Approximate Weight	254 lbs	348 lbs	464 lbs
Mount Weight	224 lbs	224 lbs	224 lbs
Pallet Dims w/Mount	50"x50"x19"	50"x50"x19"	50"x50"x19"
Approximate Weight	230 lbs	230 lbs	230 lbs



*Antenna sizes are nominal
*Custom crating available
*Dimensions & weights are approximate

48" Polar Mount Features

OPTIONAL:

- Hot Dip Galvanizing
- Non-Penetrating Roof Mount
- Electronics, Feedhorns, LNBS, Cabling
- Half/Full Dish De-icing
- 48" Ring with 8 blocks
- Bronze Bushings at Pivot Points
- 110° of Travel
- 5 1/2" od mast
- 8 Back Braces
- 4 Struts

Crating available for domestic or ISPM 15 international



Satellite

VIKING
SATCOM

Purchased was a DH 3.7m 4 piece antenna and 48" mount. Installation was done on a roof at 25'. The panels are much easier to get to the roof for assembly. Once on the roof it assembled quickly. We used four guys, total of 4 hrs. Antenna was strung and we used our spectrum analyzer for final confirmation. Installation was smooth! KCVU-TV, Ken Rice, Chico CA 95928 (07/18/2012)



Satellite

DH Test Data

Tested with A1 Turbo S2

103
3220
4.2m
DH Ant

Proof of Performance

Filename : 42NO3220.103H
Date : 09/05/2012
Time : 16:51:39
Location:
Technician:
Notes:
Level: dBm

FieldGuide: North American V 1.99
Software: 1.19
Model: TURBO S2
Serial: 1674529
LNB Model: LO=5.150 3.4-4.2
Region: NE Continental US
Switch: None

Satellite: 103.0 West / AMC1

Tran	Dnlink MHz	Freq MHz	Error MHz	Pol	Mod Type	Code Rate	Symbol Rate	Level dbm	IRD SiqQ	C/N db	Eb/No dB	Es/No dB	Lock Status	LNB Volts	LNB mA
B2A1	3760.040	1389.960	-0.035	Err	DvbS2	8-3/4I	29999	-28.9	99	15.0	14.5	16.3	LOCK	17.9	210
5 ID	3800.080	1349.920	-0.010	Err	DC2	7/8	29270	-27.1	99	14.9	14.4	16.2	LOCK	17.9	210
7	3840.000	1310.000	-0.086	Err	Dvb-S	3/4	26681	-27.4	100	15.5	15.0	16.8	LOCK	17.9	210
7	3840.080	1309.920	0.015	Err	Dvb-S	3/4	26681	-27.3	100	15.5	15.0	16.8	LOCK	17.9	210
10	3906.576	1243.424	0.014	Err	Dvb-S	3/4	6510	-32.2	96	13.4	12.9	14.7	LOCK	17.9	210
11	3915.072	1234.928	0.015	Err	Dvb-S	2/3	4410	-32.6	96	13.5	13.0	14.8	LOCK	17.9	210
10	3920.224	1229.776	0.014	Err	Dvb-S	5/6	3140	-34.3	91	12.0	11.5	13.3	LOCK	17.9	210
10	3924.224	1225.776	-0.010	Err	Dvb-S	5/6	2734	-35.3	95	12.7	12.2	14.0	LOCK	17.9	210
B2B1	3927.508	1222.492	-0.059	Err	DvbS2	Q-3/4	2450	-40.3	95	12.8	12.3	14.1	LOCK	17.9	210
K1A1	3960.052	1189.948	-0.007	Err	DvbS2	8-5/6	30000	-27.7	99	15.0	14.5	16.3	LOCK	17.9	210
15	4040.068	1109.932	0.015	Err	Dvb-S	3/4	26681	-25.4	101	15.9	15.4	17.2	LOCK	17.9	210
17	4040.000	1110.000	-0.073	Err	Dvb-S	3/4	26681	-25.3	101	15.8	15.3	17.1	LOCK	17.9	210
G1A1	4073.568	1076.432	0.000	Err	Dvb-S	.	3000	-33.1	.	0.0	.	.	Unlock	17.9	210
19	4081.068	1068.932	0.015	Err	Dvb-S	3/4	7230	-31.6	97	13.9	13.4	15.2	LOCK	17.9	210
B	4089.952	1060.048	-0.006	Err	DvbS2	8-2/3	5923	-33.7	99	15.3	14.8	16.6	LOCK	17.9	210
21	4120.000	1030.000	-0.056	Err	DvbS2	8-3/4I	30000	-26.8	99	14.9	14.4	16.2	LOCK	17.9	210
21	4120.044	1029.956	-0.013	Err	DvbS2	8-3/4I	30000	-26.7	99	14.9	14.4	16.2	LOCK	17.9	210

Proof of Performance

Filename : 42NO3220.103V
Date : 09/05/2012
Time : 16:51:39
Location:
Technician:
Notes:
Level: dBm

FieldGuide: North American V 1.99
Software: 1.19
Model: TURBO S2
Serial: 1674529
LNB Model: LO=5.150 3.4-4.2
Region: NE Continental US
Switch: None

Satellite: 103.0 West / AMC1

Tran	Dnlink MHz	Freq MHz	Error MHz	Pol	Mod Type	Code Rate	Symbol Rate	Level dbm	IRD SiqQ	C/N db	Eb/No dB	Es/No dB	Lock Status	LNB Volts	LNB mA
2	3740.000	1410.000	-0.097	Err	Dvb-S	7/8	29270	-26.2	98	14.5	14.0	15.8	LOCK	17.9	210
2	3740.088	1409.912	0.015	Err	Dvb-S	7/8	29270	-26.2	98	14.5	14.0	15.8	LOCK	17.9	210
6	3820.000	1330.000	-0.093	Err	DC2	3/4	29270	-25.5	100	17.4	16.9	18.7	LOCK	17.9	210
6 ID	3820.084	1329.916	0.014	Err	DC2	3/4	29270	-25.3	100	17.3	16.8	18.6	LOCK	17.9	210
8	3860.068	1289.932	-0.004	Err	DvbS2	8-5/6	30000	-27.9	100	15.4	14.9	16.7	LOCK	17.9	210
B2D1	3891.044	1258.956	-0.029	Err	DvbS2	8-2/3	9092	-34.8	100	15.5	15.0	16.8	LOCK	17.9	210
B2E1	3913.544	1236.456	0.000	Err	Dvb-S	.	6400	-45.6	.	0.0	.	.	Unlock	17.9	210
12	3940.076	1209.924	-0.010	Err	DC2	7/8	29270	-25.0	100	15.6	15.1	16.9	LOCK	17.9	210
13	3980.076	1169.924	0.015	Err	Dvb-S	7/8	26666	-24.9	100	17.3	16.8	18.6	LOCK	17.9	210
18	4060.072	1089.928	0.000	Err	DC2	.	29270	-35.6	.	0.0	.	.	Unlock	17.9	210
20	4091.068	1058.932	0.015	Err	Dvb-S	3/4	14035	-29.9	98	14.4	13.9	15.7	LOCK	17.9	210
B2I1	4109.044	1040.956	-0.032	Err	Dvb-S	3/4	14029	-31.3	96	13.5	13.0	14.8	LOCK	17.9	210
24	4196.064	953.936	0.014	Err	Dvb-S	2/3	2894	-34.0	100	16.8	16.3	18.1	LOCK	17.9	210

103
3220
4.5m
DH Ant

Proof of Performance

Filename : 453220.103HMD
Date : 09/07/2012
Time : 13:45:06
Location:
Technician:
Notes:
Level: dBm

FieldGuide: North American V 1.99
Software: 1.19
Model: TURBO S2
Serial: 1674529
LNB Model: LO=5.150 3.4-4.2
Region: NE Continental US
Switch: None

Satellite: 103.0 West / AMC1

Tran	Dnlink MHz	Freq MHz	Error MHz	Pol	Mod Type	Code Rate	Symbol Rate	Level dbm	IRD SiqQ	C/N db	Eb/No dB	Es/No dB	Lock Status	LNB Volts	LNB mA
B2A1	3760.040	1389.960	-0.037	Err	DvbS2	8-3/4I	29999	-28.1	101	15.8	15.3	17.1	LOCK	17.9	210
5 ID	3800.080	1349.920	-0.011	Err	DC2	7/8	29270	-26.1	100	15.5	15.0	16.8	LOCK	17.9	210
7	3840.000	1310.000	-0.087	Err	Dvb-S	3/4	26681	-26.0	100	16.6	16.1	17.9	LOCK	17.9	210
7	3840.080	1309.920	0.014	Err	Dvb-S	3/4	26681	-26.0	100	16.7	16.2	18.0	LOCK	17.9	210
10	3906.576	1243.424	0.015	Err	Dvb-S	3/4	6510	-30.7	97	14.0	13.5	15.3	LOCK	17.9	210
11	3915.072	1234.928	0.014	Err	Dvb-S	2/3	4410	-31.6	96	13.4	12.9	14.7	LOCK	17.9	210
10	3920.224	1229.776	0.015	Err	Dvb-S	5/6	3140	-33.0	94	12.6	12.1	13.9	LOCK	17.9	210
10	3924.224	1225.776	-0.011	Err	Dvb-S	5/6	2734	-33.6	96	13.6	13.1	14.9	LOCK	17.9	210
B2B1	3927.508	1222.492	-0.061	Err	DvbS2	Q-3/4	2450	-39.1	97	14.0	13.5	15.3	LOCK	17.9	210
K1A1	3960.052	1189.948	-0.013	Err	DvbS2	8-5/6	30000	-27.4	100	15.5	15.0	16.8	LOCK	17.9	210
15	4040.068	1109.932	0.014	Err	Dvb-S	3/4	26681	-24.3	100	16.8	16.3	18.1	LOCK	17.9	210
17	4040.000	1110.000	-0.075	Err	Dvb-S	3/4	26681	-24.3	100	16.8	16.3	18.1	LOCK	17.9	210
G1A1	4073.568	1076.432	0.000	Err	Dvb-S	.	3000	-38.1	.	0.0	.	.	Unlock	17.9	210
19	4081.068	1068.932	0.014	Err	Dvb-S	3/4	7230	-31.4	98	14.4	13.9	15.7	LOCK	17.9	210
B	4089.952	1060.048	-0.007	Err	DvbS2	8-2/3	5923	-33.3	99	15.2	14.7	16.5	LOCK	17.9	210
21	4120.000	1030.000	-0.057	Err	DvbS2	8-3/4I	30000	-25.6	100	15.6	15.1	16.9	LOCK	17.9	210
21	4120.044	1029.956	-0.012	Err	DvbS2	8-3/4I	30000	-25.6	100	15.7	15.2	17.0	LOCK	17.9	210

Proof of Performance

Filename : 453D0.103VMD
Date : 09/07/2012
Time : 13:45:06
Location:
Technician:
Notes:
Level: dBm

FieldGuide: North American V 1.99
Software: 1.19
Model: TURBO S2
Serial: 1674529
LNB Model: LO=5.150 3.4-4.2
Region: NE Continental US
Switch: None

Satellite: 103.0 West / AMC1

Tran	Dnlink MHz	Freq MHz	Error MHz	Pol	Mod Type	Code Rate	Symbol Rate	Level dbm	IRD SiqQ	C/N db	Eb/No dB	Es/No dB	Lock Status	LNB Volts	LNB mA
2	3740.000	1410.000	-0.100	Err	Dvb-S	7/8	29270	-25.4	97	14.1	13.6	15.4	LOCK	17.9	210
2	3740.088	1409.912	-0.012	Err	Dvb-S	7/8	29270	-25.5	97	14.1	13.6	15.4	LOCK	17.9	210
6	3820.000	1330.000	-0.095	Err	DC2	3/4	29270	-24.8	100	17.6	17.1	18.9	LOCK	17.9	210
6 ID	3820.084	1329.916	-0.012	Err	DC2	3/4	29270	-24.9	100	17.6	17.1	18.9	LOCK	17.9	210
8	3860.068	1289.932	-0.013	Err	DvbS2	8-5/6	30000	-27.9	100	15.7	15.2	17.0	LOCK	17.9	210
B2D1	3891.044	1258.956	-0.031	Err	DvbS2	8-2/3	9092	-34.6	100	16.4	15.9	17.7	LOCK	17.9	210
B2E1	3913.544	1236.456	0.000	Err	Dvb-S	.	6400	-33.6	.	0.0	.	.	Unlock	17.9	210
12	3940.076	1209.924	-0.012	Err	DC2	7/8	29270	-24.5	100	15.4	14.9	16.7	LOCK	17.9	210
13	3980.076	1169.924	-0.010	Err	Dvb-S	7/8	26666	-24.1	100	17.7	17.2	19.0	LOCK	17.9	210
18	4060.072	1089.928	0.000	Err	DC2	.	29270	-34.8	.	0.0	.	.	Unlock	17.9	210
20	4091.068	1058.932	-0.011	Err	Dvb-S	3/4	14035	-28.6	100	15.7	15.2	17.0	LOCK	17.9	210
B2I1	4109.044	1040.956	0.000	Err	Dvb-S	.	14029	-39.3	.	0.0	.	.	Unlock	17.9	210
24	4196.064	953.936	0.014	Err	Dvb-S	2/3	2894	-34.6	100	16.8	16.3	18.1	LOCK	17.9	210