The DH Sectional Antenna With Gibralter Series Mount

Fixed or Dual Powered Available

The same antenna you have used for years now available in sections.





GIBRALTER SERIES MOUNT

- 15" Reinforced Base
- 60" Back Ring
- 8 Back Braces

0-90° Motorized Elevation

- 200°+ Motorized Azimuth Travel
- 36 Volt DC Motors

Specifications	3.0m	3.7m	3.8m	4.2m	4.5m	5.0m
Antenna Sections	4	4	4	8	8	8
C Band Gain @ 4 Gig	40.6 db	42.3 db	42.5 db	43.5 db	43.9 db	44.3 db
Ku Band Gain @ 12 Gig	49.9 db	51.1 db	51.8 db	53.0 db	53.3 db	54.2 db
Thickness	.090	.090	.125	.125	.125	.125
f/d Ratio	.3	.4	.378	.34	.33	.3
Wind Force at 60°F at 90 MPH	3,020 lbs	4,200 lbs	5,080 lbs	5,975 lbs	6,600 lbs	7,800 lbs
First Side Lobe	1.2° (E-Plane)	2.4°	2.3°	2.1°	1.95°	1.1° (E-Plane)
All Side Lobes	-26 db	-22 db				
3db Beam Width	0.5° (E-Plane)	1.4°	1.4°	1.2°	1.2°	0.9° (E-Plane)
F/L	36"	57.6"	57.6"	57.6"	57.6"	57.6"
Antenna Weight	110 lbs	165 lbs	237 lbs	314 lbs	340 lbs	393 lbs
Crate Weight w/Antenna Crate Dims w/Antenna	254 lbs 62"x40"x66"	348 lbs 76"x36"x78"	464 lbs 79"x36"x81"	544 lbs 91"x38"x64"	688 lbs 92"x54"x67"	741 lbs 99"x52"x72"
Dual Pow Mt Weight Fixed Gib Mt Weight	1,230 lbs 752 lbs					
Pallet Weight w/Dual Pow Mt Pallet Dims w/Dual Pow Mt	1,266 lbs 64"x74"x58"					
Pallet Weight w/Fixed Gib Mt Pallet Dims w/Fixed Gib Mt	888 lbs 64"x74"x61"	888 lbs 64"x74"x61"	888 64"x74"x61"	888 lbs 64"x74"x61"	888 lbs 64"x74"x61"	888 lbs 64"x74"x61"

3.0m -3.7m: 8 Ribs 4.2m-5.0m: 16 Ribs

Sectional Antenna Rib Specifications

With today's innovative technology DH is manufacturing various size sectional antennas that spec the same as a 1pc antenna.

A computer controlled machine is used to manufacture the ribs allowing them to have the exact parabolic curve of the antenna. The generated ribs, also referred to as templates, are secured to the antenna prior to cutting the antenna into sections.

The templates allow for the antenna to be reassembled and perform as a 1pc. Extensive testing has been done on this system and our data shows no difference from our 1pc spun test dish. Templates hold the antenna in shape so you are assured of a perfect antenna each time.



Crating available for domestic or international shipping.

OPTIONAL:

- Hot Dip Galvanizing
- Non-Penetrating Roof Mount
- Electronics, Feedhorns, LNBS, Cabling
- Half/Full Dish De-icing
- Template Kits



600 N. Marquette Rd. Prairie du Chien, WI 53821

dhsat@mhtc.net www.dhsatellite.com

Fax (608)-326-4233 (608)-326-8406 1-800-627-9443

^{*}Each antenna system will have 1 open crate and 1 pallet for shipping. *Dimensions & weights are approximate.



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		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 D	vbS2	8-3/41	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 [Ovb-S	3/4	26681	-27.4	100	15.5	15.0	16.8	LOCK	17.9	210
<u> </u>	3840.080	1309.920	0.015 Err E	Ovb-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 E	Ovb-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 E	Ovb-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 [Ovb-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 E	Ovb-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 D	vbS2	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 D	vbS2	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 E	Ovb-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 [Ovb-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 [Ovb-S		3000	-33.1		0.0			Unlock	17.9	210
19 .	4081.068	1068.932	0.015 Err E	Ovb-S	3/4	7230	-31.6	97	13.9	13.4	15.2	LOCK	17.9	210
В.	4089.952	1060.048	-0.006 Err D	vbS2	8-2/3	5923	-33.7	100	15.3	14.8	16.6	LOCK	17.9	210
21 .	4120.000	1030.000	-0.056 Err D	vbS2	8-3/41	30000	-26.8	99	14.9	14.4	16.2	LOCK	17.9	210
21 .	4120.044	1029.956	-0.013 Err D	vbS2	8-3/41	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

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

	Dnlink	Freq	Error Mod	Code	Symbol	Level	IRD	C/N	Eb/No	Es/No	Lock	LNB	LNB
Tran	MHz	MHz	MHz Pol Type	Rate	Rate	dbm	SiqQ	db	dB	dB	Status	Volts	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

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

FieldGuide: North American V 1.99

Satellite: 103.0 West / AMC1

-	Dnlink	Freq	Error Mod	Code	Symbol					ES/No	LOCK	LNB	LNB
Tran	MHz	MHz	MHz Pol Type	Rate	Rate	apm	SiqQ	db	dB	dB	Status	Volts	mΑ
B2A1 .	3760.040	1389.960	-0.037 Err DvbS2	8-3/41	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
В.	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	8-3/41	30000	-25.6	100	15.6	15.1	16.9	LOCK	17.9	210
21 .	4120.044	1029.956	-0.012 Err DvbS2	8-3/41	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

	Dnlink	Freq	Error Mod	Code	Symbol	Level	IRD	C/N	Eb/No	Es/No	Lock	LNB	LNB
Tran	MHz	MHz	MHz Pol Type	Rate	Rate	dbm	SiqQ	db	dB	dB	Status	Volts	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