

Proof of Performance

Filename : ECHO14-0521
Date: 05/21/2010
Location: 60651
Technician: CHICAGONETTECH
Notes: ECHOSTAR 14 PROOF
LNB Model: Dish 1000+
FieldGuide: North American V1.82
Software: 2.32
Serial: 1657112
Level: dBm

Satellite: 110.0 West

Tran	Dnlink MHz	Freq MHz	Error MHz	Pol	Mod Type	Code Rate	Symbol Rate	Level dbm	IRD SigQ	C/N db	Eb/No dB	Es/No dB	Lock Status	LNB Volts	LNB mA
1	. 12224	974.000	-0.322	R	DVB	7/8	20000	-44.6	71	16.4	15.9	17.7	LOCK	18.3	Under
2	. 12239	2111.000	0.370	L	DVB	7/8	20000	-47.0	78	17.5	17.0	18.8	LOCK	18.3	Under
3	. 12253	1003.000	-0.200	R	DVB	7/8	20000	-44.4	76	17.2	16.7	18.5	LOCK	18.3	Under
4	. 12268	2082.000	0.129	L	DVB	5/6	20000	-48.0	33	9.7	9.4	11.0	LOCK	18.3	Under
5	. 12282	1032.000	0.049	R	DVB	7/8	20000	-43.3	72	16.6	16.1	17.9	LOCK	18.3	Under
6	. 12297	2053.000	0.002	L	DVB	7/8	20000	-45.0	75	17.1	16.6	18.4	LOCK	18.3	Under
7	. 12311	1061.000	0.171	R	Turbo	8-2/3	21500	-43.7	63	15.5	14.4	16.8	LOCK	18.3	Under
8	. 12326	2024.000	-0.247	L	DVB	7/8	20000	-44.2	79	17.7	17.2	19.0	LOCK	18.3	Under
9	. 12341	1091.000	-0.709	R	DVB	7/8	20000	-44.1	72	16.6	16.1	17.9	LOCK	18.3	Under
10	. 12355	1995.000	-0.367	L	DVB	7/8	20000	-44.2	75	17.1	16.6	18.4	LOCK	18.3	Under
11 ID	12370	1120.000	-0.587	R	DVB	7/8	20000	-45.5	78	17.5	17.0	18.8	LOCK	18.3	Under
12	. 12384	1966.000	-0.481	L	DVB	5/6	20000	-45.5	43	11.3	11.0	12.6	LOCK	18.3	Under
13 ID	12399	1149.000	-0.465	R	Turbo	8-2/3	21500	-45.2	75	17.3	16.2	18.6	LOCK	18.3	Under
14	. 12414	1936.000	0.391	L	DVB	7/8	20000	-44.3	76	17.2	16.7	18.5	LOCK	18.3	Under
15	. 12428	1178.000	-0.218	R	DVB	7/8	20000	-45.0	77	17.4	16.9	18.7	LOCK	18.3	Under
16	. 12443	1907.000	0.144	L	DVB	7/8	20000	-43.4	78	17.6	17.1	18.9	LOCK	18.3	Under
17	. 12457	1207.000	-0.097	R	Turbo	8-2/3	21500	-45.1	66	16.0	14.9	17.3	LOCK	18.3	Under
18	. 12472	1878.000	0.028	L	DVB	5/6	20000	-44.9	57	13.5	13.2	14.8	LOCK	18.3	Under
19	. 12486	1236.000	0.149	R	Turbo	8-2/3	21500	-45.8	67	16.1	15.0	17.4	LOCK	18.3	Under
20	. 12501	1849.000	0.000	L	Turbo	8-2/3	21500	-45.7	.	.	.	.	Unlock	18.3	Under
21	. 12516	1266.000	-0.729	R	DVB	7/8	20000	-46.5	79	17.7	17.2	19.0	LOCK	18.3	Under
22	. 12530	1820.000	-0.346	L	DVB	7/8	20000	-43.0	78	17.5	17.0	18.8	LOCK	18.3	Under
23	. 12545	1295.000	-0.612	R	DVB	5/6	20000	-51.6	20	7.7	7.4	9.0	LOCK	18.3	Under
24	. 12559	1791.000	-0.465	L	DVB	7/8	20000	-42.0	76	17.2	16.7	18.5	LOCK	18.3	Under
25	. 12574	1324.000	-0.492	R	DVB	5/6	20000	-51.9	12	6.4	6.1	7.7	LOCK	18.3	Under
26	. 12588	1762.000	0.000	L	DVB	Q-1/2	20000	-39.6	.	.	.	.	Unlock	18.3	Under
27	. 12603	1353.000	0.000	R	Turbo	8-2/3	21500	-50.8	.	.	.	.	Unlock	18.3	Under
28	. 12618	1732.000	0.295	L	DSS	6/7	20000	-46.5	50	12.3	11.4	13.1	LOCK	18.3	Under
29	. 12632	1382.000	-0.074	R	DVB	5/6	20000	-49.5	61	14.0	13.7	15.3	LOCK	18.3	Under
30	. 12647	1703.000	0.045	L	DSS	6/7	20000	-48.8	55	13.1	12.2	13.9	LOCK	18.3	Under
31	. 12661	1411.000	0.048	R	DVB	5/6	20000	-49.9	57	13.5	13.2	14.8	LOCK	18.3	Under
32	. 12676	1674.000	-0.075	L	DSS	6/7	20000	-48.7	50	12.4	11.5	13.2	LOCK	18.3	Under

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Satellite: 118.7 West

Tran		Dnlink MHz	Freq MHz	Error MHz	Pol	Mod Type	Code Rate	Symbol Rate	Level dbm	IRD SigQ	C/N db	Eb/No dB	Es/No dB	Lock Status	LNB Volts	LNB mA
1	ID	11715	965.000	-0.544	R	DVB	3/4	20000	-47.4	41	9.9	10.0	11.2	LOCK	18.3	Under
2	.	11728	2122.000	0.272	L	DVB	3/4	20000	-52.0	45	10.6	10.7	11.9	LOCK	18.3	Under
3	.	11745	995.000	-0.047	R	DVB	3/4	20000	-46.7	45	10.5	10.6	11.8	LOCK	18.3	Under
4	.	11759	2091.000	0.780	L	Turbo	Q-2/3	21500	-50.3	58	11.1	11.7	12.4	LOCK	18.3	Under
5	.	11776	1026.000	-0.551	R	Turbo	Q-2/3	21500	-45.9	57	10.9	11.5	12.2	LOCK	18.3	Under
6	.	11789	2061.000	0.276	L	DVB	3/4	20000	-49.9	47	10.9	11.0	12.2	LOCK	18.3	Under
7	.	11806	1056.000	-0.055	R	DVB	3/4	20000	-46.8	41	10.0	10.1	11.3	LOCK	18.3	Under
8	.	11819	2031.000	-0.216	L	DVB	3/4	20000	-48.6	47	10.9	11.0	12.2	LOCK	18.3	Under
9	.	11837	1087.000	-0.557	R	Turbo	Q-2/3	21500	-46.4	50	9.9	10.5	11.2	LOCK	18.3	Under
10	.	11850	2000.000	0.284	L	Turbo	Q-2/3	21500	-48.2	56	10.8	11.4	12.1	LOCK	18.3	Under
11	.	11867	1117.000	-0.062	R	Turbo	Q-2/3	21500	-47.1	48	9.6	10.2	10.9	LOCK	18.3	Under
12	.	11880	1970.000	-0.222	L	Turbo	Q-2/3	21500	-47.3	53	10.3	10.9	11.6	LOCK	18.3	Under
13	.	11898	1148.000	-0.564	R	DVB	3/4	20000	-46.8	43	10.3	10.4	11.6	LOCK	18.3	Under
14	.	11911	1939.000	0.294	L	DVB	3/4	20000	-46.7	46	10.8	10.9	12.1	LOCK	18.3	Under
15	.	11928	1178.000	-0.067	R	Turbo	Q-2/3	21500	-46.9	49	9.7	10.3	11.0	LOCK	18.3	Under
16	.	11941	1909.000	-0.216	L	Turbo	Q-2/3	21500	-46.1	50	9.9	10.5	11.2	LOCK	18.3	Under
17	.	11959	1209.000	-0.570	R	DVB	3/4	20000	-46.2	43	10.2	10.3	11.5	LOCK	18.3	Under
18	.	11972	1878.000	0.285	L	Turbo	Q-2/3	21500	-46.2	48	9.6	10.2	10.9	LOCK	18.3	Under
19	.	11989	1239.000	-0.074	R	DVB	3/4	20000	-46.3	49	11.2	11.3	12.5	LOCK	18.3	Under
20	.	12002	1848.000	-0.196	L	DVB	3/4	20000	-45.9	50	11.4	11.5	12.7	LOCK	18.3	Under
21	.	12020	1270.000	-0.578	R	Turbo	Q-2/3	21500	-45.6	55	10.6	11.2	11.9	LOCK	18.3	Under
22	.	12033	1817.000	0.308	L	DVB	3/4	20000	-45.8	47	10.9	11.0	12.2	LOCK	18.3	Under
23	.	12050	1300.000	-0.082	R	DVB	3/4	20000	-46.1	52	11.6	11.7	12.9	LOCK	18.3	Under
24	.	12063	1787.000	-0.187	L	DVB	3/4	20000	-45.7	48	11.1	11.2	12.4	LOCK	18.3	Under
25	.	12081	1331.000	-0.585	R	DVB	3/4	20000	-45.7	46	10.8	10.9	12.1	LOCK	18.3	Under
26	.	12094	1756.000	0.315	L	DVB	3/4	20000	-46.1	48	11.0	11.1	12.3	LOCK	18.3	Under
27	.	12111	1361.000	-0.089	R	DVB	3/4	20000	-46.0	49	11.2	11.3	12.5	LOCK	18.3	Under
28	.	12124	1726.000	-0.182	L	DVB	3/4	20000	-46.4	48	11.1	11.2	12.4	LOCK	18.3	Under
29	.	12142	1392.000	-0.597	R	DVB	3/4	20000	-46.4	47	10.9	11.0	12.2	LOCK	18.3	Under
30	.	12154	1696.000	-0.681	L	DVB	3/4	20000	-47.1	51	11.5	11.6	12.8	LOCK	18.3	Under
31	.	12172	1422.000	0.000	R	Turbo	Q-2/3	21500	-50.1	Unlock	18.3	Under
32	.	12185	1665.000	-0.185	L	DVB	3/4	20000	-47.8	50	11.4	11.5	12.7	LOCK	18.3	Under

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Satellite: 119.0 West

Tran	Dnlink MHz	Freq MHz	Error MHz	Pol	Mod Type	Code Rate	Symbol Rate	Level dbm	IRD SigQ	C/N db	Eb/No dB	Es/No dB	Lock Status	LNB Volts	LNB mA
1	. 12224	974.000	0.000	R	DVB	Q-1/2	20000	-58.7	.	.	.	.	Unlock	18.3	Under
2	. 12239	2111.000	1.030	L	Turbo	8-2/3	21500	-49.8	55	14.2	13.1	15.5	LOCK	18.3	Under
3	. 12253	1003.000	0.000	R	DVB	Q-1/2	20000	-43.2	.	.	.	.	Unlock	18.3	Under
4	. 12268	2082.000	0.017	L	DVB	7/8	20000	-48.8	64	15.4	14.9	16.7	LOCK	18.3	Under
5	. 12282	1032.000	-0.168	R	DVB	5/6	20000	-39.3	71	15.7	15.4	17.0	LOCK	18.3	Under
6	. 12297	2053.000	0.582	L	DVB	5/6	20000	-48.0	61	14.1	13.8	15.4	LOCK	18.3	Under
7	. 12311	1061.000	-0.046	R	DVB	5/6	20000	-38.9	78	16.8	16.5	18.1	LOCK	18.3	Under
8	. 12326	2024.000	0.464	L	DVB	5/6	20000	-46.7	66	14.9	14.6	16.2	LOCK	18.3	Under
9	. 12341	1091.000	-0.842	R	DVB	7/8	20000	-44.6	55	14.0	13.5	15.3	LOCK	18.3	Under
10	. 12355	1995.000	0.209	L	DVB	5/6	20000	-46.6	60	13.9	13.6	15.2	LOCK	18.3	Under
11	. 12370	1120.000	-0.598	R	DVB	5/6	20000	-46.3	65	14.7	14.4	16.0	LOCK	18.3	Under
12	. 12384	1966.000	0.095	L	DVB	5/6	20000	-43.7	77	16.6	16.3	17.9	LOCK	18.3	Under
13 ID	12399	1149.000	-0.603	R	DVB	5/6	20000	-46.8	60	13.9	13.6	15.2	LOCK	18.3	Under
14	. 12414	1936.000	0.971	L	DVB	5/6	20000	-45.8	59	13.8	13.5	15.1	LOCK	18.3	Under
15	. 12428	1178.000	-0.350	R	DVB	5/6	20000	-44.9	76	16.4	16.1	17.7	LOCK	18.3	Under
16	. 12443	1907.000	0.726	L	DVB	5/6	20000	-44.2	76	16.4	16.1	17.7	LOCK	18.3	Under
17	. 12457	1207.000	-0.228	R	DVB	5/6	20000	-46.0	60	13.9	13.6	15.2	LOCK	18.3	Under
18	. 12472	1878.000	0.603	L	DVB	5/6	20000	-46.2	59	13.7	13.4	15.0	LOCK	18.3	Under
19	. 12486	1236.000	0.015	R	DVB	5/6	20000	-44.8	74	16.1	15.8	17.4	LOCK	18.3	Under
20	. 12501	1849.000	0.483	L	DVB	5/6	20000	-44.8	75	16.2	15.9	17.5	LOCK	18.3	Under
21	. 12516	1266.000	-0.862	R	DVB	5/6	20000	-45.8	62	14.3	14.0	15.6	LOCK	18.3	Under
22	. 12530	1820.000	0.362	L	DSS	6/7	20000	-46.4	61	14.1	13.2	14.9	LOCK	18.3	Under
23	. 12545	1295.000	0.000	R	DSS	Q-1/2	20000	-45.8	.	.	.	.	Unlock	18.3	Under
24	. 12559	1791.000	0.000	L	DSS	Q-1/2	20000	-46.5	.	.	.	.	Unlock	18.3	Under
25	. 12574	1324.000	-0.628	R	DSS	6/7	20000	-44.6	64	14.6	13.7	15.4	LOCK	18.3	Under
26 ID	12588	1762.000	-0.004	L	DSS	6/7	20000	-46.9	66	14.8	13.9	15.6	LOCK	18.3	Under
27 ID	12603	1353.000	-0.375	R	DSS	6/7	20000	-45.7	59	13.8	12.9	14.6	LOCK	18.3	Under
28	. 12618	1732.000	0.870	L	DSS	6/7	20000	-47.9	62	14.3	13.4	15.1	LOCK	18.3	Under
29	. 12632	1382.000	-0.249	R	DSS	6/7	20000	-45.6	50	12.4	11.5	13.2	LOCK	18.3	Under
30	. 12647	1703.000	0.751	L	DSS	6/7	20000	-48.5	64	14.6	13.7	15.4	LOCK	18.3	Under
31	. 12661	1411.000	0.000	R	DSS	Q-1/2	20000	-52.2	Unlock	18.3	Under
32	. 12676	1674.000	0.505	L	DSS	6/7	20000	-49.2	66	14.9	14.0	15.7	LOCK	18.3	Under

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1	.	12224	974.000	0.000	R	Turbo	8-2/3	21500	-57.1Unlock	18.3	Under
2	.	12239	2111.000	0.000	L	Turbo	8-2/3	21500	-59.0Unlock	18.3	Under
3	.	12253	1003.000	0.000	R	Turbo	8-2/3	21500	-53.8	.	.	.	.	.Unlock	18.3	Under
4	.	12268	2082.000	0.000	L	Turbo	8-2/3	21500	-58.5	.	.	.	.	.Unlock	18.3	Under
5	.	12282	1032.000	0.217	R	Turbo	8-2/3	21500	-43.0	43	12.3	11.2	13.6	LOCK	18.3	Under
6	.	12297	2053.000	0.000	L	Turbo	8-2/3	21500	-58.3	.	.	.	.	.Unlock	18.3	Under
7	.	12311	1061.000	0.372	R	Turbo	8-2/3	21500	-43.2	41	12.0	10.9	13.3	LOCK	18.3	Under
8	.	12326	2024.000	0.000	L	Turbo	8-2/3	21500	-54.0	.	.	.	.	.Unlock	18.3	Under
9	.	12341	1091.000	-0.473	R	Turbo	8-2/3	21500	-41.1	44	12.5	11.4	13.8	LOCK	18.3	Under
10	.	12355	1995.000	-0.706	L	Turbo	8-2/3	21500	-49.1	0	2.8	1.7	4.1	LOCK	18.3	Under
11	.	12370	1120.000	-0.316	R	Turbo	8-2/3	21500	-43.2	41	12.1	11.0	13.4	LOCK	18.3	Under
12	.	12384	1966.000	0.000	L	Turbo	8-2/3	21500	-49.0	.	.	.	.	.Unlock	18.3	Under
13	.	12399	1149.000	-0.159	R	Turbo	8-2/3	21500	-44.0	41	12.1	11.0	13.4	LOCK	18.3	Under
14	.	12414	1936.000	-0.045	L	Turbo	8-2/3	21500	-49.6	0	3.9	2.8	5.2	LOCK	18.3	Under
15	.	12428	1178.000	-0.002	R	Turbo	8-2/3	21500	-44.7	48	13.1	12.0	14.4	LOCK	18.3	Under
16	.	12443	1907.000	-0.263	L	Turbo	8-2/3	21500	-48.4	0	3.9	2.8	5.2	LOCK	18.3	Under
17	.	12457	1207.000	0.125	R	Turbo	8-2/3	21500	-45.3	50	13.5	12.4	14.8	LOCK	18.3	Under
18	ID	12472	1878.000	-0.106	L	Turbo	8-2/3	21500	-43.7	50	13.5	12.4	14.8	LOCK	18.3	Under
19	.	12486	1236.000	0.372	R	Turbo	8-2/3	21500	-45.4	52	13.7	12.6	15.0	LOCK	18.3	Under
20	.	12501	1849.000	-0.404	L	Turbo	8-2/3	21500	-42.7	49	13.3	12.2	14.6	LOCK	18.3	Under
21	ID	12516	1266.000	-0.506	R	DVB	5/6	20000	-45.1	64	14.6	14.3	15.9	LOCK	18.3	Under
22	.	12530	1820.000	-0.507	L	Turbo	8-2/3	21500	-41.8	49	13.3	12.2	14.6	LOCK	18.3	Under
23	.	12545	1295.000	-0.383	R	Turbo	8-2/3	21500	-45.7	52	13.7	12.6	15.0	LOCK	18.3	Under
24	.	12559	1791.000	-0.811	L	Turbo	8-2/3	21500	-42.0	48	13.2	12.1	14.5	LOCK	18.3	Under
25	.	12574	1324.000	-0.261	R	Turbo	8-2/3	21500	-46.2	50	13.5	12.4	14.8	LOCK	18.3	Under
26	.	12589	1761.000	-0.030	L	Turbo	8-2/3	21500	-42.4	48	13.1	12.0	14.4	LOCK	18.3	Under
27	.	12603	1353.000	-0.016	R	Turbo	8-2/3	21500	-46.2	52	13.7	12.6	15.0	LOCK	18.3	Under
28	.	12618	1732.000	0.044	L	Turbo	8-2/3	21500	-43.1	50	13.5	12.4	14.8	LOCK	18.3	Under
29	.	12632	1382.000	0.103	R	Turbo	8-2/3	21500	-46.5	51	13.6	12.5	14.9	LOCK	18.3	Under
30	.	12647	1703.000	-0.318	L	Turbo	8-2/3	21500	-43.4	49	13.3	12.2	14.6	LOCK	18.3	Under
31	.	12661	1411.000	0.224	R	Turbo	8-2/3	21500	-48.1	52	13.7	12.6	15.0	LOCK	18.3	Under
32	.	12676	1674.000	-0.306	L	Turbo	8-2/3	21500	-44.1	50	13.4	12.3	14.7	LOCK	18.3	Under