

Original 7/17 (Extreme BDS102H)

Original 7/20

Identical Replacement 7/20

Antronix CMC2002H-A 7/20

No Splitter 7/20

Down:

Channel ID	Frequency	Power	SNR	Correctables	Uncorrectable
26	651000000 Hz	4.9 dBmV	37.3 dB	4152992	851035
15	591000000 Hz	3.2 dBmV	37.3 dB	6654793	1663418
16	597000000 Hz	3.2 dBmV	37.3 dB	6099203	1641437
17	603000000 Hz	4.1 dBmV	37.4 dB	5335246	1294946
18	609000000 Hz	4.2 dBmV	37.4 dB	4913084	1225186
19	615000000 Hz	4.3 dBmV	37.5 dB	4585071	1094163
20	621000000 Hz	4.1 dBmV	37.2 dB	4498231	1106787
21	627000000 Hz	4.2 dBmV	37.3 dB	4245749	1025231
22	633000000 Hz	4.2 dBmV	37.2 dB	4087023	953757
23	639000000 Hz	4.9 dBmV	37.3 dB	5100032	4578356
24	645000000 Hz	5.1 dBmV	37.3 dB	5708313	6848803
27	657000000 Hz	4.6 dBmV	37 dB	3169921	729894
28	663000000 Hz	4.6 dBmV	36.8 dB	2905322	668830
29	669000000 Hz	4.3 dBmV	36.7 dB	2685951	602397
30	675000000 Hz	4.4 dBmV	36.5 dB	2618620	560188
31	681000000 Hz	4.9 dBmV	36.6 dB	2641739	567192

Power	SNR	Correctables	Uncorrectable
5 dBmV	37.1 dB	4201326	856534
3.2 dBmV	36.9 dB	6981588	1720961
3.3 dBmV	36.9 dB	6361863	1682712
4.2 dBmV	37.2 dB	5535128	1324007
4.3 dBmV	37.1 dB	5070019	1246088
4.4 dBmV	37.2 dB	4706028	1109805
4.1 dBmV	37 dB	4604512	1119834
4.3 dBmV	37 dB	4333762	1035595
4.3 dBmV	37 dB	4159786	962701
5 dBmV	37.2 dB	5162193	4585634
5.3 dBmV	37.2 dB	5763176	6855243
4.7 dBmV	36.9 dB	3215441	735231
4.7 dBmV	36.7 dB	2949184	673461
4.4 dBmV	36.6 dB	2726225	606728
4.5 dBmV	36.4 dB	2658520	564140
5 dBmV	36.6 dB	2686621	571611

Power	SNR	Correctables	Uncorrectable
4.9 dBmV	35.3 dB	4220983	858932
3.3 dBmV	34.7 dB	7077490	1760386
3.5 dBmV	34.7 dB	6452109	1711019
4.4 dBmV	34.9 dB	5618069	1340846
4.6 dBmV	34.9 dB	5142011	1256098
4.8 dBmV	35 dB	4766140	1115215
4.5 dBmV	34.8 dB	4657339	1124049
4.5 dBmV	34.9 dB	4377144	1038136
4.5 dBmV	34.8 dB	4194265	964771
5.3 dBmV	35 dB	5191047	4586805
5.5 dBmV	35 dB	5787125	6856238
4.9 dBmV	34.8 dB	3232541	735702
4.9 dBmV	34.6 dB	2964557	673973
4.6 dBmV	34.5 dB	2739066	607061
4.5 dBmV	34.4 dB	2671553	564393
5 dBmV	34.4 dB	2700325	571855

Power	SNR	Correctables	Uncorrectable
5.3 dBmV	36.4 dB	4250214	885793
4 dBmV	35.9 dB	7167764	1796824
4.1 dBmV	36 dB	6518309	1741447
4.9 dBmV	36.2 dB	5662750	1364130
5.1 dBmV	36.2 dB	5180770	1279113
5.2 dBmV	36.4 dB	4801696	1136609
4.8 dBmV	36.2 dB	4691893	1144292
4.8 dBmV	36.3 dB	4410433	1060575
4.8 dBmV	36.2 dB	4225629	989009
5.6 dBmV	36.5 dB	5220871	4609776
5.7 dBmV	36.4 dB	5815095	6878865
5 dBmV	36.2 dB	3260989	765143
5 dBmV	36 dB	2991975	703789
4.6 dBmV	35.8 dB	2766600	636350
4.6 dBmV	35.7 dB	2702836	614158
5.1 dBmV	35.7 dB	2728410	601771

Power	SNR	Correctables	Uncorrectable
9 dBmV	36.3 dB	4231480	861892
7.5 dBmV	35.7 dB	7113380	1769094
7.7 dBmV	35.8 dB	6483069	1718178
8.6 dBmV	36.1 dB	5643198	1346852
8.6 dBmV	36.1 dB	5163469	1260763
8.7 dBmV	36.2 dB	4784428	1118951
8.4 dBmV	36 dB	4674009	1127113
8.4 dBmV	36.1 dB	4392321	1040851
8.4 dBmV	36.1 dB	4207198	967114
9.2 dBmV	36.4 dB	5202679	4588441
9.3 dBmV	36.3 dB	5797377	6858187
8.6 dBmV	36 dB	3241669	737490
8.5 dBmV	35.8 dB	2972751	675513
8.2 dBmV	35.7 dB	2747180	608470
8.2 dBmV	35.5 dB	2679276	565917
8.7 dBmV	35.6 dB	2709139	573380

Up:

Channel ID	Symbol Rate	Frequency	Power
24	5120 Ksym/sec	17300000 Hz	43.3 dBmV
21	5120 Ksym/sec	36500000 Hz	44.8 dBmV
22	5120 Ksym/sec	30100000 Hz	43.8 dBmV
23	5120 Ksym/sec	23700000 Hz	43.5 dBmV

Channel ID	Symbol Rate	Frequency	Power
24	5120 Ksym/sec	17300000 Hz	43 dBmV
21	5120 Ksym/sec	36500000 Hz	44.3 dBmV
22	5120 Ksym/sec	30100000 Hz	43.5 dBmV
23	5120 Ksym/sec	23700000 Hz	43 dBmV

Channel ID	Symbol Rate	Frequency	Power
24	5120 Ksym/sec	17300000 Hz	43 dBmV
21	5120 Ksym/sec	36500000 Hz	44.5 dBmV
22	5120 Ksym/sec	30100000 Hz	43.5 dBmV
23	5120 Ksym/sec	23700000 Hz	43.3 dBmV

Channel ID	Symbol Rate	Frequency	Power
24	5120 Ksym/sec	17300000 Hz	43.3 dBmV
21	5120 Ksym/sec	36500000 Hz	44.5 dBmV
22	5120 Ksym/sec	30100000 Hz	43.8 dBmV
23	5120 Ksym/sec	23700000 Hz	43.3 dBmV

Channel ID	Symbol Rate	Frequency	Power
24	5120 Ksym/sec	17300000 Hz	40.3 dBmV
21	5120 Ksym/sec	36500000 Hz	41 dBmV
22	5120 Ksym/sec	30100000 Hz	40.5 dBmV
23	5120 Ksym/sec	23700000 Hz	40 dBmV

Summary:

Replacing original splitter (Extreme) with identical new one resulted in an increase in power, but a decrease in SNR for downstream (no big change in upstream).

Replacing original splitter with a different brand (Antronix) resulted in an increase in power, but a decrease in SNR for downstream (no big change in upstream).

Removing splitter resulted in a big increase in power, but a decrease in SNR for downstream (with a decrease in power for upstream).