

55W Motorized Dish	Start.4x1 Switch without Amp. 22 khz on CK1S	No Amp. Removed 22khz at CK1S and moved Ku to 4x1	As previous except 4x1 removed! (Barrel connector)	Replaced 4x1 and added 20db Amp
4141 H	S 85 Q 77	S 90 Q 77	S 90 Q 77	S 94 Q 77
3772 H	S 87 Q 63	S 90 Q 66	S 93 Q 63	S 93 Q 63
3872 H	S 85 Q 74	S 90 Q 77	S 90 Q 74	S 94 Q 74
3763 H	S 84 Q 69	S 88 Q 72	S 93 Q 69-72	S 93 Q 69-72
3759 H	S 83 Q 66-80	S 86 Q 72-85	S 90 Q 73-85	S 93 Q 73-85
4091 V	S 84 Q 58-65	S 90 Q 63-70	S 90 Q 63-71	S 94 Q 66-75
4107 V	S 88 Q 39-41	S 90 Q 40-42	S 90 Q 40-43	S 94 Q 41-43
4086 V	S 85 Q 72	S 90 Q 72	S 90 Q 72	S 94 Q 72
3975 V	S 78 Q 63	S 86 Q 69	S 86 Q 66	S 93 Q 66-69

Notes: Not all transponders listed. Hopefully enough for comparison. 3975 V seemed to be having transmitter issues.

Approx 6 hr time span from start to finish. Increased cloud cover and wind may have lowered final results slightly. Additional cables and switches exchanged during the process which showed NO change are not reported above.

\*When removing the 22 khz switch I also replaced 80ft of coax going into it. I'm convinced that coax has a defect. Probable cause of erratic signal levels on previous days. Said coax is now on KU and KU levels are off!

Removing the 22khz switch/replacing coax was the only thing that improved Signal Quality. Signal increased slightly as well.

In step 3, absence of 4x1 switch no longer seems to give much improvement. (Unlike on previous days)

Adding 20db amp to final configuration only added 3-4 points to Signal. No detectable change in SQ!

\* Improvement of signals is STILL lower than previous levels when total coax was 80ft less. It may be time for RG11.