



COVER SHEET for Models DX-CC, DX-DD, DX-EE, DX-LB, DX-LB Plus

Power ratings, MAX output (Assuming SWR at the FEED POINT, not tuner, is 2:1 or less. This depends upon your tuning and site conditions). Alpha Delta tests antennas, in the clear (no surrounding objects), at a height of 35 ft., as an inverted-V with the ends at 10 ft. above ground. Higher FEED POINT SWRs will require power derating so as not to damage antenna components. This varies by the installation site conditions. For FEED POINT SWRs above 2:1 and up to 4:1, derate by 1/2.

Approximate SWRs at 1.5:1, or less, and resonances at our test site, depending on antenna model, are: 1810 kHz, 3800 kHz, 7100 kHz, 14,150 kHz, 28,300 (Use your tuner for 15 meters). With different local site conditions, your SWR and resonant frequency may vary, which is normal. Check with your SWR meter and trim or use wide range antenna tuner as necessary. A wide range antenna tuner is very convenient to lower the SWR and broaden out the SWR bandwidth. With a wide range tuner, you do NOT need to trim the antenna “dead on”. You will notice little or no difference in signal performance for FEED POINT SWRs of up to 4:1.

Model DX-CC: 80 meters, 800 watts CW/PEP; 40 thru 10 meters, 1000 watts CW/PEP. **Model DX-DD** as above for 80 and 40 meters.

Model DX-EE: 40 meters, 500 watts CW/PEP; 20 thru 10 meters, 1000 watts CW/PEP.

Model DX-LB: 160 and 80 meters, 500 watts CW/PEP; 40 meters, 1000 watts CW/PEP. **Model DX-LB Plus** same as above for 160 thru 40 meters and same as DX-CC on 20 thru 10 meters.

NOTE: With any attic installation, limit power to 100 watts max, any mode. This will minimize coupling to attic wiring, HVAC ducting and outside aluminum gutters and will minimize RFI to home electronics and burglar alarm systems. In your individual site, even lower power may be necessary. Attic installations will require a wide range antenna tuner to minimize SWR and broaden out SWR bandwidth. Keep antenna wires as far away as possible (> 3 ft.) from the above metal items, and NEVER touching them. Also offset (> 1 ft.) antenna wires from any wood roof/attic trusses or roof material so they are not in direct contact.