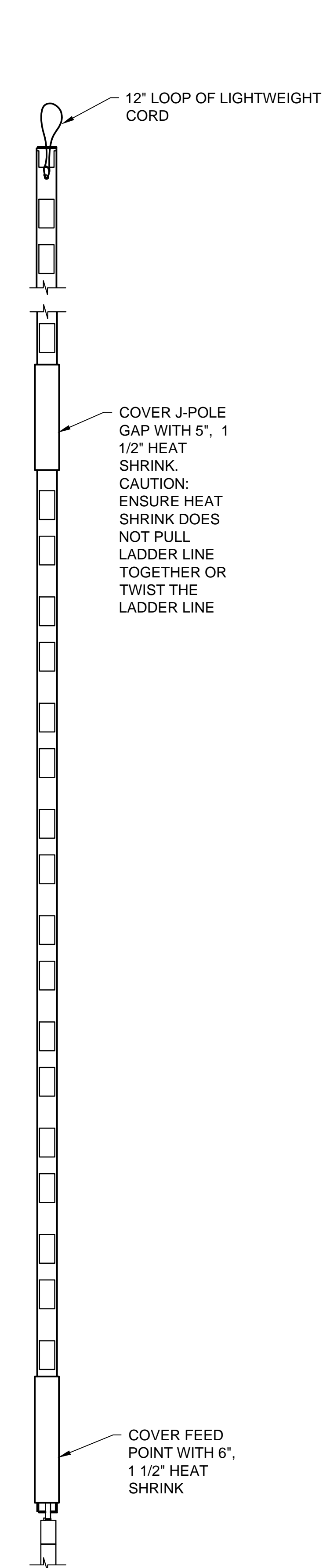
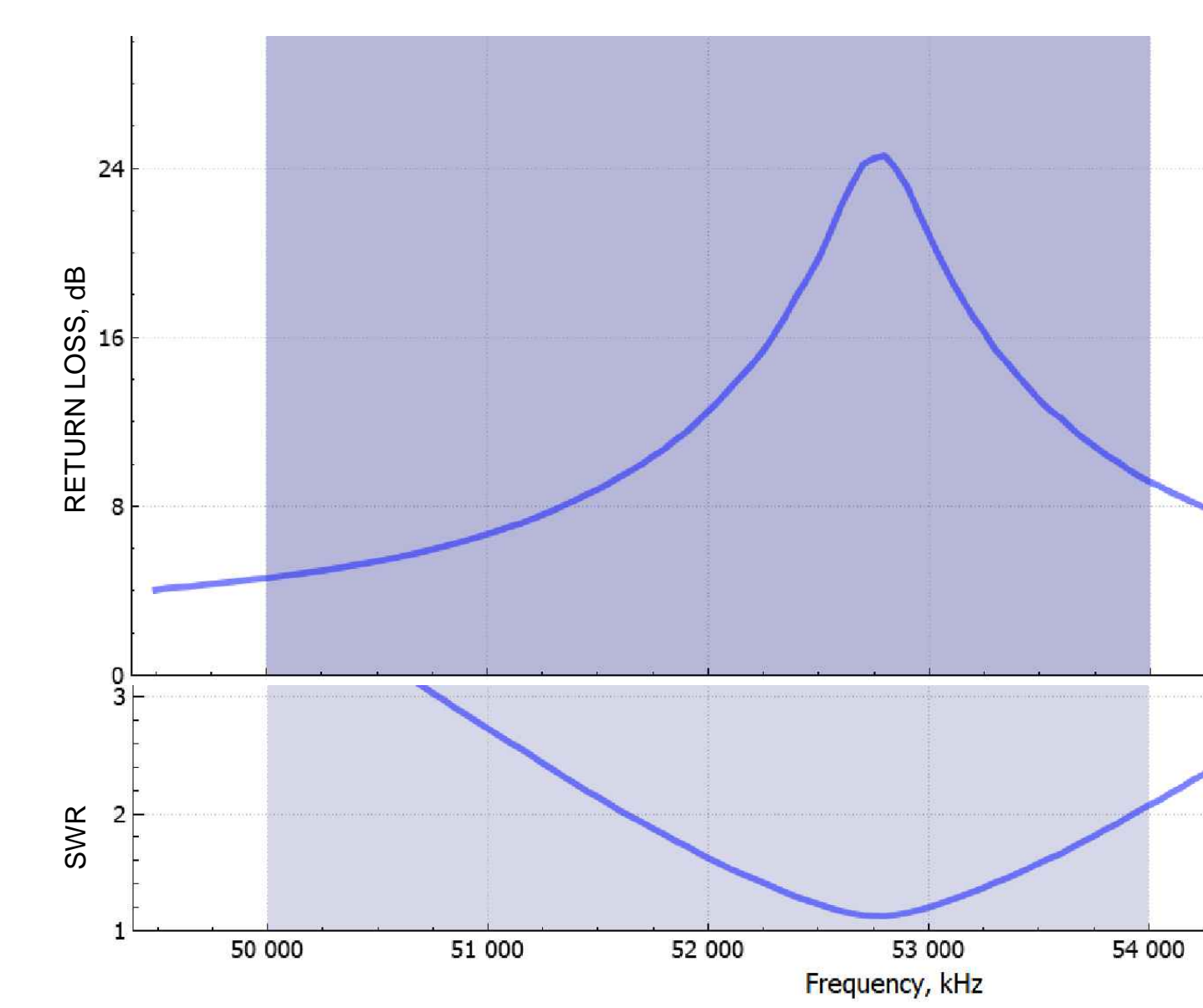


DIMENSIONAL LAYOUT



ASSEMBLY DIAGRAM



ANTENNA TEST PLOTS

1. SLIM JIM LENGTH OF 163" SHOULD PUT THE RESONANT FREQUENCY AROUND 52.750 MHz.
2. THE WIREMAN #552, 16 AWG, 19 STRAND, 450 OHM, POLYETHYLENE JACKET, CCS LADDERLINE.
3. THE WIREMAN CQ118, RG 8X, COAX.
4. VSWR 2:1 BANDWIDTH IS 51.600 MHz TO 53.950 MHz.
5. BE CAREFUL APPLYING HEAT SHRINK TO THE LADDER LINE. USE A MODERATE AMOUNT OF HEAT AND BE AWARE THE LADDER LINE CAN MELT, WARP, OR COMPRESS WHEN HEATED. USE A 3/4" WIDE BLOCK OF WOOD OR TOOL TO KEEP THE LADDER LINE FLAT AND STRAIGHT WHILE APPLYING HEAT SHRINK.
6. DO NOT USE MARINE GRADE OR ADHESIVE LINED HEAT SHRINK OR HEAT SHRINK WITH A 3:1 SHRINK RATIO. ONLY USE LIGHT WEIGHT HEAT SHRINK WITH A LOW MELTING TEMPERATURE.
7. TEST THE ANTENNA AND MEASURE SWR BEFORE SOLDERING FEED POINT WIRES. USE A TEMPORARY FEED POINT CONNECTION TO VERIFY SWR AND ADJUST FEED POINT WIRE LOCATION AS REQUIRED TO ADJUST ANTENNA SWR.