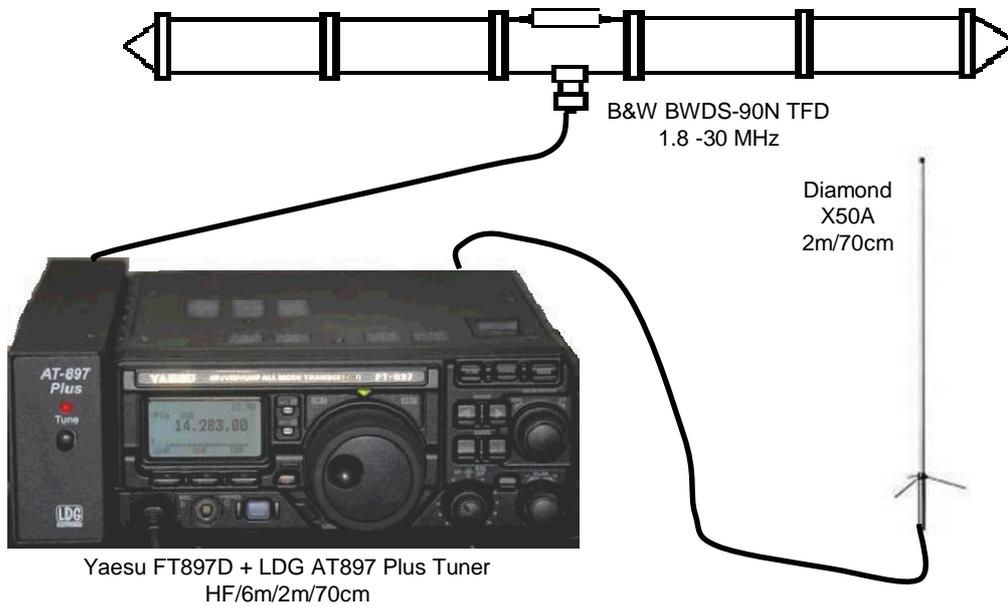


DCS Technical Team Repair/Installation Request



1.	Location(s)	Control #
	Santa Clarita Sheriff Station DCS Room 23740 Magic Mountain Parkway, Santa Clarita, CA 91355	SCT-01
2.	Statement of the Problem(s)	
	<p>A. HF Position 1 (Left side of room when entering the Radio Room). The existing radio an Icom IC-726/antenna is working but not functional. We have not been able to contact any local (LA county) stations.</p>	
3.	Recommended Solution(s)	
	<p>A. Replace the radio and antenna with the “Standard” HF radio position. That is the Yaesu FT897D HF radio, LDG AT 897+ tuner, B&W BWDS-90N Terminated Folded Dipole and a Diamond X50A 2m/70cm dual band antenna. See attached diagram.</p> <p>The building has a helicopter landing pad which will make positioning the B&W BWDS-90N antenna on the building difficult. There is an existing vertical antenna on the tower in the parking lot west of the building. The width of the roof is 103 feet. Suggest using the front and west walls to orient the broadside lobe southeast (toward SCC). There are several antennas on that part of the roof mounted on frames, or existing vent pipes that will have to be worked around. The roof is of unknown reflective quality. A parallel ground wire under the antenna would enhance NVIS propagation. See attached map.</p>	
4.	Concurrences	Date
	Technical Team Contact	Steve Ioerger, F-01, machiamist@aol.com
	DCO	Steve Ioerger, F-01, machiamist@aol.com
	Technical Ops Officer	Deane Bouvier, S-50, n5dq@arrl.net
5.	CFMB Approval	

HF Position



- HF bands with horizontal polarization to support NVIS
- Second antenna port for 2m/70cm dual band antenna
- Radio in stock, but not the tuner or other antennas

