

Deane Bouvier

From: Diana Feinberg [dfeinberg@att.net]
Sent: Monday, April 09, 2018 09:04
To: Mana S. Elliott; Deane Bouvier; Richard R. Rath
Cc: Steve Rohrbach; Bob (KK6MSC) Brammer
Subject: Avalon Station DCS equipment
Follow Up Flag: Follow up
Flag Status: Red
Attachments: AVA 2-meter SWR, 04-08-2018.jpg; AVA Avalon local repeater 440 frequency SWR, 04-08-2018.jpg

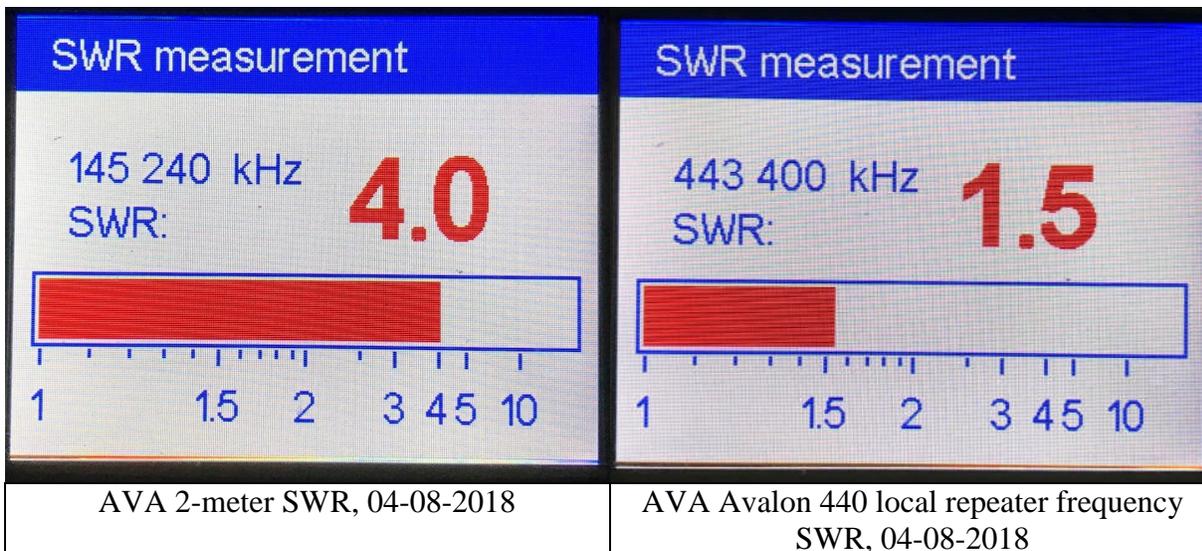
Bob Brammer, N-01, and I searched extensively yesterday afternoon at the Avalon Station (with station assistance) for the Motorola CDM-1550 DCS radio supposedly there but we did not find it. We also went downstairs into the dispatch area (at Mana's suggestion via cellphone) and they let us thoroughly look there but no CDM-1550 was found and no one recalled seeing such a unit when we showed them the Motorola box I brought. Dispatch there does have a freestanding VHF Motorola CDM-1250 (not encased in a Motorola power supply) which I confirmed is tuned only to L.A. County Fire Department tactical frequencies, Avalon harbor patrol, and marine channels.

I returned home with the Motorola CDM-1550 we brought to install and will get it to Dick Rath so he can return it to CFMB tomorrow pending resolution of the original CDM-1550's status. But even if we exchanged the Motorola CDM-1550 radio as intended it would not have worked well. My RigExpert AA-600 antenna analyzer found the SWR on Avalon DCS' supposed "2-meter/440" antenna was a terrible 3.6-4.0 across the 2-meter band. See attached photos showing SWR of 4.0 on input to the DCS Mt. Disappointment repeater and good SWR of 1.5 on input to the local Avalon 440 repeater that almost everyone in town can reach. As this antenna was fine on 440-450 MHz and above it probably is a commercial UHF antenna. Avalon DCS people told us when they try using 2-meters sometimes it works and other times not. We tested yesterday on a clear sunny day and reached the DCS simulcast system and some other 2-meter repeaters. But on a foggy, rainy, or misty day I suspect there's enough attenuation on the minimal forward power to prevent satisfactory communication.

The 220 MHz amateur antenna there works fine, but the 220 radio is still in its original box (unused) and no place to install it. The one installed DCS Yaesu FT8900 radio is next to a copier machine in the Gym room. A plan to move the DCS radios into the conference room (station EOC) down the hallway never materialized.

More info being sent to Deane today about the technical situation at Avalon DCS (including the station's radio inventory report)...will also be in contact with Dick to return the CDM-1550 tomorrow.

Diana Feinberg, AI6DF



Catalina Island Ham Radio Frequencies

Chan.	Receive Freq.	Op Mode	RPT Shift	RPT Offset	Xmit Freq.	Encoding Method	CTCSS Tone	Show Name	Memory Name	Xmit Power	Scan Skip	Tuning Step	Mem. Desc.
1	448.4000	FM	Minus	5		TSQL	110.9	Name	AVALON	HIGH LOW	Pref	25.0 K	Avalon 440 Rpt
2	147.5550	FM	Simplex	0.6		OFF	100	Name	CATCOM	HIGH	Skip	5.0 K	SCI Emerg. Splx.
3	144.3300	FM	Simplex	0.6		OFF	100	Name	GORDOS	HIGH	Skip	5.0 K	Gordo Local Splx.
4	147.0900	FM	Plus	0.6		TONE	79.7	Name	AIRPRT	HIGH	Skip	5.0 K	CARA 2m Rpt
5	145.2200	FM	Minus	0.6		TONE	103.5	Name	CLARA	HIGH	Skip	5.0 K	CLARA Rpt
6	147.3600	FM	Plus	0.6		TONE	103.5	Name	ARES 1	HIGH	Skip	5.0 K	Red Cross Rpt 1
7	N/A												
8	145.5200	FM	Simplex	0.6		OFF	100	Name	ARESIM	HIGH	Skip	5.0 K	Red Cross Splx.
9	449.7800	FM	Minus	5		TONE	131.8	Name	SIGHIL	HIGH	Skip	25.0 K	Signal Hill Rpt
10	146.5200	FM	Simplex	0.6		OFF	100	Name	NATSIM	HIGH	Skip	5.0 K	National Splx.
11	147.2100	FM	Plus	0.6		TONE	77	Name	WINSUN	HIGH	Skip	5.0 K	WinSys
12	146.9250	FM	Minus	0.6		TONE	114.8	Name	BALDWN	HIGH	Skip	5.0 K	Baldwin Hills Rpt
13	147.2250	FM	Plus	0.6		TONE	94.8	Name	CASTRO	HIGH	Skip	5.0 K	Castroville Rpt
14	147.4650	FM	Split	0.6	146.505	TONE	103.5	Name	HUNBCH	HIGH	Skip	5.0 K	Hun.Bch. Rpt
15	145.3000	FM	Minus	0.6		TONE	100	Name	DCSMTD	HIGH	Skip	5.0 K	DCS Mt. D Rpt
16	145.3000	FM	Minus	0.6		TONE	156.7	Name	DCSEOB	HIGH	Skip	5.0 K	DCS EOB Rpt
17	147.2250	FM	Plus	0.6		TONE	94.8	Name	DCS K6	HIGH	Skip	5.0 K	K6DCS Rpt
18	147.2700	FM	Plus	0.6		TONE	100	Name	DCSZTR	HIGH	Off	5.0 K	WA6ZTR Rpt
19	145.2600	FM	Minus	0.6		TONE	100	Name	MALIBU	HIGH	Skip	5.0 K	Malibu Rpt
20	147.0750	FM	Plus	0.6		TONE	107.2	Name	PALMAR	HIGH	Skip	5.0 K	Palomar Mtn. Rpt
21	146.0250	FM	Plus	0.6		TONE	110.9	Name	SANCLM	HIGH	Skip	5.0 K	San Clemente Rpt
22	146.6400	FM	Minus	0.6		TONE	107.2	Name	SDIEGO	HIGH	Skip	5.0 K	San Diego Rpt
23	145.3200	FM	Minus	0.6		TONE	114.8	Name	TRW	HIGH	Off	5.0 K	TRW Rpt
24	N/A												
25	N/A												
26	162.5250	FM	Simplex	0.6		OFF	100	Name	WX CH7	HIGH	Pref	5.0 K	Avalon WX Stn
27	450.7000	FM	Simplex	5		OFF	100	Name	KNX AM	HIGH	Skip	25.0 K	KNX Radio
28	450.7250	FM	Simplex	5		OFF	100	Name	KFI AM	HIGH	Skip	25.0 K	KFI Radio
29	156.8000	FM	Simplex	0.6		OFF	100	Name	MARINE	HIGH	Off	5.0 K	Marine Ch. 16
30	151.1450	FM	Simplex	0.6		OFF	107.2	Name	CONSRV	HIGH	Off	5.0 K	Cat. Conservancy
31	154.6000	FM	Simplex	0.6		OFF	100	Name	SCHOOL	HIGH	Off	5.0 K	Avalon School
32	482.8875	FM	Simplex	5		OFF	100	Name	LASD	HIGH	Off	25.0 K	LASD: L-Tac 2

41 446.860 MINUS 5 151.4 NGSCI MED