

PALOS VERDES PENINSULA UNIFIED SCHOOL DISTRICT

M E M O R A N D U M

DEPUTY SUPERINTENDENT, BUSINESS SERVICES

TO: TO ALL SITE PRINCIPALS AND ADMINISTRATORS
FROM: LYDIA CANO
DATE: September 18, 2015
RE: ANNUAL RADIO EQUIPMENT INSPECTION -- PALOS VERDES
PENINSULA UNIFIED SCHOOL DISTRICT DISASTER
COMMUNICATIONS NETWORK

Next Tuesday, Wednesday, and Thursday September 22-24, members of the Lomita Sheriff's station Disaster Communication Service (DCS) organization will perform the annual inspection and inventory of all disaster amateur radio equipment at Peninsula schools from 9:00 a.m. to Noon each day.

Please ensure your radios and radio accessories (whether in bag or case) are available, as well as having at least one radio battery fully recharged prior to your site's inspection.

Each inspection and its associated testing will require about 25 minutes. The schedules for this year's inspections are:

Tuesday, September 22, 9:00 am to Noon:

West side schools: PV High, PV Intermediate, Pt. Vicente, Lunada Bay.

East side schools: Dapplegray, Mira Catalina, Miraleste Elementary, Miraleste Intermediate.

Wednesday, September 23, 9:00 am to Noon:

North side schools I: Malaga Cove, Montemalaga, Rancho Vista, Valmonte

Central area schools I: Maintenance, Rancho del Mar, Ridgecrest Intermediate, Vista Grande.

Thursday, September 24, 9:00 am to Noon:

North side schools II: Chadwick, Rolling Hills Country Day, Peninsula Heritage School.

Central area schools II: Cornerstone, Peninsula High, Silver Spur, Soleado.

Any questions regarding operation of equipment at your location may be directed to the DCS members. If you have any operating questions after the inspections, you may contact Diana Feinberg of Rancho Palos Verdes, who heads the Lomita station's DCS unit, at 1-310-544-2917 (home); 1-310-529-6450 (cell); or via email at: dfeinberg@att.net . In the following week she will follow up with any equipment problems found.

The first monthly radio drill during the 2015-2016 academic year will be held Tuesday, October 6, at 9:30 am.

Thank you for your participation in maintaining and improving our disaster communication capability.

Attachment

cc: Herb Clarkson
Walt Ordway
Diana Feinberg
Joseph Lanphen, South Bay Amateur Radio Club
Miguel Lopez, Chadwick School
Laura Burrows, Rolling Hills Country Day School
Joan Behrens, Peninsula Heritage School

September 22-24, 2015, PVPUSD Radio Inspections

Thank you for participating in the annual inspection of the Palos Verdes Peninsula Unified School District's emergency amateur radio equipment. This yearly checkup ensures equipment is ready for use during the new school year after summer storage. The PVPUSD disaster communication radio net has been an official District 17 DCS project since 1998. Please let Staff 60 know the times you leave and return home each day you are doing school inspections.

Arriving at Schools

- **Hours of Inspection.** Plan to be at your first school at 0900 hours, wearing your DCS ID card and DCS shirt with appropriate pants. The inspections each day should be completed by noon.
- **Arrival Protocol.** Upon arriving at a school, go directly to the school office and announce that you are there to inspect the amateur radio equipment. (You may be asked to sign the school's visitor logbook.) All school sites were notified via memo from Lydia Cano, Deputy Superintendent for Business Services, but in the unlikely event any site has a question with your access have school personnel contact Lora Dodell (Assistant to Deputy Superintendent Cano) at Malaga Cove Administration Center, 310-896-3419.

Equipment Inspection Guidelines

- **Power-on.** Only press the "Power On" button when turning on the HT radios. Warning: On the Alinco HT models do not hold the Function button above the PTT on the top left side while turning on the radio—that will erase all the memories.
- **Memories.** Be sure to check all memory locations in the radio against the current frequency list (see page 3). The radio channels have been duplicated into three banks to provide redundancy in the event of malfunction. Be particularly observant of Channels 02, 12, and 22.
- **Contact Cleaning.** Please take a pencil eraser, contact cleaner, or a small piece of kitchen scrub pad to clean all contacts on the rechargeable batteries and as well as contacts inside the radio's battery compartment, and AA case – this is **VERY IMPORTANT.**
- **Roof-mount antennas.** The SWR check on the dual band roof-mounted vertical antennas need only be performed on one 220 MHz frequency using Ch 12 in the school radio. (Independent two-meter beam antennas are located at Pt. Vicente, Mira Catalina and Miraleste elementary but the leads to those are taped-off and we will not test those.) Many schools also have a 144/220 duplexer, but the 144 MHz connector should be tape-wrapped to prevent inadvertent connections if not already done.
- **Accessories.** Only Montemalaga, Pt. Vicente, PV High and PV Intermediate were supplied mag-mount antennas for use atop their disaster storage containers. These are to be made available for inspection. The main item to be checked on mag-mounts is the BNC adapter for connection to the HT. Most, but not all, schools have extendable "hot-rod" HT antennas in their radio bag. Schools with newer Wouxun HT's will need a female SMA-

September 22-24, 2015, PVPUSD Radio Inspections

female SMA adapter to use the “hot-rod” antennas. Some locations with Wouxuns have these adapters, some don't. **Note on the attached Check Lists all accessories found at each school.**

- Perform radio checks on Ch 11 (repeater) and Ch 12 (simplex) if possible. It will not be possible for the Malaga Cove administrative site to perform radio checks during this year's inspections, so try contacting Staff 60, AI6DF, or your inspection partner if both of you have 220-capable radios. Make certain the radio is on high power during these checks via the FUNCTION + /H/L (or PO) button on the Alinco units. When doing radio checks state the channel you are utilizing. Please monitor the 449.980 (PL 173.8, **PV-West**) repeater for any coordination between teams or other contact with me.

A few specific school issues

- **Chadwick School's** radio equipment is in a Pelican case at the maintenance office and the school no longer has a building-mounted antenna. Ask for Bob Rule (Director of Facilities) or Miguel Lopez (Maintenance Supervisor).
- **Maintenance** has one Wouxun HT and two 220 MHz Alinco mobile radios that were intended for pickup trucks. The mobile radios are not being used as the intended operators have now retired from the District and their replacements have not become licensed.
- **Ridgecrest Intermediate School** has its antenna atop an athletic equipment shed alongside the soccer field that serves as the evacuation area. This shed is usually locked, so make arrangements at the school office to open it. Check the antenna connection for presence of a BNC adapter and perform an operational and SWR check of this antenna.

Before leaving for your next school

- Leave a copy of the current frequency list in each school's radio bag; “confiscate” any older version.
- Also have the school make a copy of your inspection report and leave it for the school's principal. Keep the original copy of your reports, which I will collect from you.

If you have any questions during the inspections, my cell phone is **1-310-529-6450** or call me via the **PV-West repeater**. Thank you very much for your time and efforts--your work really does make a difference to facilitate disaster communications for the Peninsula schools.

Diana Feinberg, Staff 60
AI6DF

September 22-24, 2015, PVPUSD Radio Inspections

PVPUSD RADIO SETTINGS (Sept 1, 2014)

The frequencies assigned to the four DCS Alternates (Ch 15, 16, 17 and 19) are considered information restricted to those with need to know. Under no circumstances are these frequencies to be announced over the air.

CHANNEL	NAME	FREQ	PL	(S = Simplex)
00	SCHOOL - REPEATER – Reverse	222.78	(T-192.8)	(+)
01	SCHOOL - REPEATER	224.38	(TSQ 192.8)	
02	SCHOOL - DIRECT	224.38	(T 192.8)	S
03	EOCs -LMT, BN-14, PVE, RPV, RHE	223.44	(TSQ-156.7)	S
04	COUNTY EOC - REPEATER	224.30	(T 100.0)	
05	SIMPLEX	222.12		S
06	SIMPLEX	223.41		S
07	SIMPLEX	223.46		S
08	SIMPLEX	223.50		S
09	SIMPLEX	223.52		S
10	SCHOOL - REPEATER – Reverse	222.78	(T-192.8)	(+)
11	SCHOOL - REPEATER	224.38	(TSQ 192.8)	
12	SCHOOL - DIRECT	224.38	(T 192.8)	S
13	EOCs -LMT, BN-14, PVE, RPV, RHE	223.44	(TSQ-156.7)	S
14	COUNTY EOC - REPEATER	224.30	(T 100.0)	
15	SIMPLEX (DCS Alternate 1)	222.12		S
16	SIMPLEX (DCS Alternate 2)	223.41		S
17	SIMPLEX (DCS Alternate 3)	223.46		S
18	SIMPLEX (National Calling Freq)	223.50		S
19	SIMPLEX (DCS Alternate 4)	223.52		S
20	SCHOOL - REPEATER – Reverse	222.78	(T-192.8)	(+)
21	SCHOOL - REPEATER	224.38	(TSQ 192.8)	
22	SCHOOL - DIRECT	224.38	(T 192.8)	S
23	EOCs -LMT, BN-14, PVE, RPV, RHE	223.44	(TSQ-156.7)	S
24	COUNTY EOC - REPEATER	224.30	(T 100.0)	
25	SIMPLEX	222.12		S
26	SIMPLEX	223.41		S
27	SIMPLEX	223.46		S
28	SIMPLEX	223.50		S
29	SIMPLEX	223.52		S
30	SCHOOL - REPEATER – <u>Reverse</u>	222.78	(T 192.8)	(+)
31	WALA LINK	223.78	(T 100.0)	
32	CATALINA	224.42	(T 110.9)	
33	JPL –PASADENA	224.08	(T 156.7)	
35	Not Specified Yet	222.14	(T 131.8)	S
36	NOAA WX (Santa Barbara)	162.40		(Standard Radio Only)
37	NOAA WX (Los Angeles)	162.55		(Standard Radio Only)
38	PV 2 METER (RECEIVE ONLY)	145.32		(Standard Radio Only)

September 22-24, 2015, PVPUSD Radio Inspections

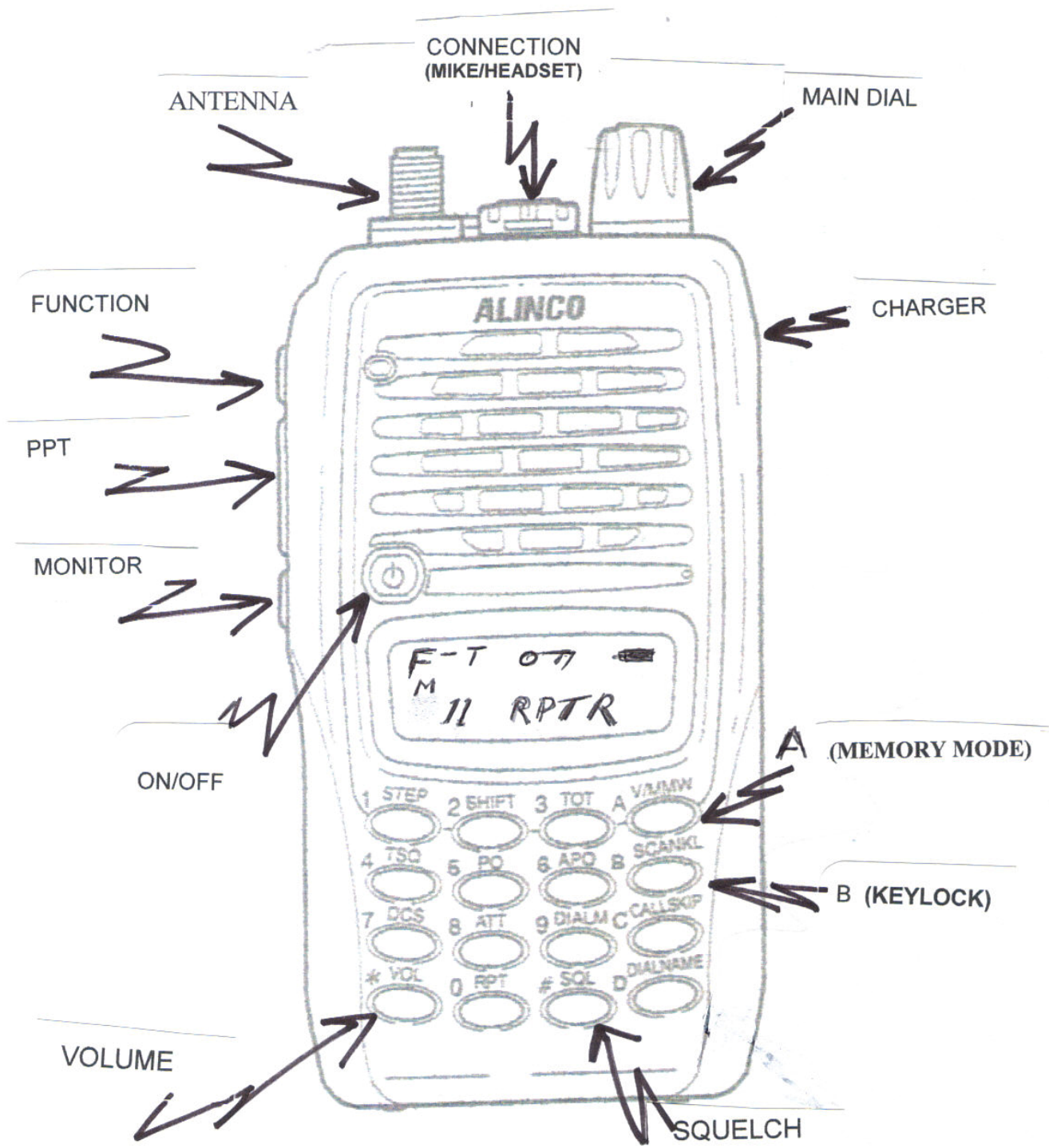
Palos Verdes Peninsula School Locations

School	Street Address	Office Phone
Chadwick School	26800 Academy Drive, Palos Verdes Peninsula	1-310-377-1543
Cornerstone Elementary	6069 Groveoak Place, Rancho Palos Verdes	1-310-378-0324
Dapplegray Elementary	3011 Palos Verdes Drive North, Rolling Hills Estates	1-310-541-3706
Lunada Bay Elementary	520 Paseo Lunado, Palos Verdes Estates	1-310-377-3005
Maintenance	38 Crest Road West, Rolling Hills	1-310-544-0045
Malaga Cove Administrative Center	375 Via Almar, Palos Verdes Estates	1-310-896-3419
Mira Catalina Elementary	30511 Lucania Drive, Rancho Palos Verdes	1-310-377-6731
Miraleste Elementary	6245 Via Canada, Rancho Palos Verdes	1-310-732-0922
Miraleste Intermediate	29323 Palos Verdes Drive East, Rancho Palos Verdes	1-310-732-0900
Montemalaga Elementary	1121 Via Nogales, Palos Verdes Estates	1-310-378-5228
Palos Verdes High School	600 Cloyden Road, Palos Verdes Estates	1-310-378-8471
Palos Verdes Intermediate	2161 Via Olivera, Palos Verdes Estates	1-310-544-4816
Peninsula Heritage School	26944 Rolling Hills Road, Rolling Hills Estates	1-310-541-4795
Peninsula High School	27118 Silver Spur Road, Rolling Hills Estates	1-310-377-4888
Point Vicente Elementary	30540 Rue de la Pierre, Rancho Palos Verdes	1-310-377-6972
Rancho de Mar High (Continuation)	38 Crest Road West, Rolling Hills	1-310-377-6691
Rancho Vista Elementary	4323 Palos Verdes Drive North, Rolling Hills Estates	1-310-378-8388
Ridgecrest Intermediate	28915 Northbay Road, Rancho Palos Verdes	1-310-544-2747
Rolling Hills Country Day	26444 Crenshaw Blvd., Rolling Hills Estates	1-310-377-4848
Silver Spur Elementary	5500 Ironwood Street, Rancho Palos Verdes	1-310-378-5011
Soleado Elementary	27800 Longhill Drive, Rancho Palos Verdes	1-310-377-6854
Vista Grande Elementary	7032 Purpleridge Drive, Rancho Palos Verdes	1-310-377-6066



Thomas Brothers® map showing locations of all Palos Verdes Peninsula schools, city EOCs, and Lomita Sheriff's station. (Thanks to Herb Clarkson, KM6DD and formerly T-1, for preparing this map several years ago.)

DJ-V27T



September 22-24, 2015, PVPUSD Radio Inspections

Palos Verdes Unified School District Disaster Radio Equipment Check List

Date: _____

Site: _____

Check HT model at this site:

Inspected by: _____

Alinco DJ-V27T	<input type="checkbox"/>
Alinco DJ-280T	<input type="checkbox"/>
Wouxun UV-3D	<input type="checkbox"/>

* indicates only applies to DJ-V27T	Circle Yes / No		Comments
	Yes	No	
Radio Waist Pack	Yes	No	
Memory Channels Set	Yes	No	
EDC-36 cigar lighter cable*	Yes	No	
Rubber Duck antenna	Yes	No	
Hot-Rod Antenna	Yes	No	
Spare Rechargeable Battery	Yes	No	
AA battery case	Yes	No	
AA battery case demonstration*	Yes	No	
Battery contacts cleaned	Yes	No	
Battery charger working (Note 1)	Yes	No	
Headphone Adapter (HS-10)*	Yes	No	
Earphone / Microphone (Note 2)	Yes	No	
Frequency List included	Yes	No	
Building Mounted Antenna with PL-259 to:			
(if DJ-V27T) SMA jumper cable	Yes	No	
(if DJ-180T) BNC jumper cable	Yes	No	
(if Wouxun) Reverse SMA jumper cable	Yes	No	
Mag-Mount Antenna w/ PL-SMA (Note 3)	Yes	No	
Operational Check OK: Channel 11	Yes	No	
Operational Check OK: Channel 12	Yes	No	
SWR checked: SWR value on Channel 12: _____	Yes	No	
Antenna/duplexer 144 MHz taped off	Yes	No	
Building mounted antenna, coax, look OK	Yes	No	

Note 1: Chargers vary widely—some are smart-chargers, others wall-warts, others just desk stands with wall-wart.

Note 2: PV Intermediate also has a speaker mike

Note 3: Only at Montemalaga, Pt. Vicente, PV Intermediate

September 22-24, 2015, PVPUSD Radio Inspections

(Make copy of completed form and leave for school principal to be placed in radio bag.)

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Wouxun UV-3D	<input type="checkbox"/>

<i>* indicates only applies to DJ-V27T</i>	Circle Yes / No		Comments
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Memory Channels Set	Yes	No	
EDC-36 cigar lighter cable*	Yes	No	
Rubber Duck antenna	Yes	No	
Hot-Rod Antenna	Yes	No	
Spare Rechargeable Battery	Yes	No	
AA battery case	Yes	No	
AA battery case demonstration*	Yes	No	
Battery contacts cleaned	Yes	No	
Battery charger working (Note 1)	Yes	No	
Headphone Adapter (HS-10)*	Yes	No	
Earphone / Microphone (Note 2)	Yes	No	
Frequency List included	Yes	No	
Building Mounted Antenna with PL-259 to:			
(if DJ-V27T) SMA jumper cable	Yes	No	
(if DJ-180T) BNC jumper cable	Yes	No	
(if Wouxun) Reverse SMA jumper cable	Yes	No	
Mag-Mount Antenna w/ PL-SMA (Note 3)	Yes	No	
Operational Check OK: Channel 11	Yes	No	
Operational Check OK: Channel 12	Yes	No	
SWR checked: SWR value on Channel 12: _____	Yes	No	
Antenna/duplexer 144 MHz taped off	Yes	No	
Building mounted antenna, coax, look OK	Yes	No	

September 22-24, 2015, PVPUSD Radio Inspections

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Hot-Rod Antenna	Yes	No	
Spare Rechargeable Battery	Yes	No	
AA battery case	Yes	No	
AA battery case demonstration*	Yes	No	
Battery contacts cleaned	Yes	No	
Battery charger working (Note 1)	Yes	No	
Headphone Adapter (HS-10)*	Yes	No	
Earphone / Microphone (Note 2)	Yes	No	
Frequency List included	Yes	No	
Building Mounted Antenna with PL-259 to:			
(if DJ-V27T) SMA jumper cable	Yes	No	
(if DJ-180T) BNC jumper cable	Yes	No	
(if Wouxun) Reverse SMA jumper cable	Yes	No	
Mag-Mount Antenna w/ PL-SMA (Note 3)	Yes	No	
Operational Check OK: Channel 11	Yes	No	
Operational Check OK: Channel 12	Yes	No	
SWR checked: SWR value on Channel 12: _____	Yes	No	
Antenna/duplexer 144 MHz taped off	Yes	No	
Building mounted antenna, coax, look OK	Yes	No	

September 22-24, 2015, PVPUSD Radio Inspections

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Headphone Adapter (HS-10)*	Yes	No	
Earphone / Microphone (Note 2)	Yes	No	
Frequency List included	Yes	No	
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(if DJ-180T) BNC jumper cable	Yes	No	
(if Wouxun) Reverse SMA jumper cable	Yes	No	
Mag-Mount Antenna w/ PL-SMA (Note 3)	Yes	No	
Operational Check OK: Channel 11	Yes	No	
Operational Check OK: Channel 12	Yes	No	
SWR checked: SWR value on Channel 12: _____	Yes	No	
Antenna/duplexer 144 MHz taped off	Yes	No	
Building mounted antenna, coax, look OK	Yes	No	

Note 1: Chargers vary widely—some are smart-chargers, others wall-warts, others just desk stands with wall-wart.

Note 2: PV Intermediate also has a speaker mike

Note 3: Only at Montemalaga, Pt. Vicente, PV Intermediate

(Make copy of completed form and leave for school principal to be placed in radio bag.)

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Headphone Adapter (HS-10)*	Yes	No	
Earphone / Microphone (Note 2)	Yes	No	
Frequency List included	Yes	No	
Building Mounted Antenna with PL-259 to:			
(if DJ-V27T) SMA jumper cable	Yes	No	
(if DJ-180T) BNC jumper cable	Yes	No	
(if Wouxun) Reverse SMA jumper cable	Yes	No	
Mag-Mount Antenna w/ PL-SMA (Note 3)	Yes	No	
Operational Check OK: Channel 11	Yes	No	
Operational Check OK: Channel 12	Yes	No	
SWR checked: SWR value on Channel 12: _____	Yes	No	
Antenna/duplexer 144 MHz taped off	Yes	No	
Building mounted antenna, coax, look OK	Yes	No	

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Notes: