

Scanning - the Top of Utah

Trunk Tracking Style (Weber/Davis County Public Service)

By Val Campbell K7HCP

Scanning the radio frequency spectrum can be very enjoyable and provide a great deal of entertainment potential in the process. One of the most exciting groups to scan in the VHF and UHF bands are the Public Service Agencies, second only to Amateur Radio, of course.

One of the first things that you discover when starting out on this particular venture is that most of the Public Service Agencies in the Northern half of Utah have converted to a new state-of-the-art UHF radio communications system known as a Trunked Communication System. Motorola Corp is one of a few companies that market such a system. In Utah, Motorola systems are the most popular choice among our various local government agencies.

In Utah, a collective use group called UCAN was created to manage the installation and day-to-day operation of running such a complex UHF communications system which operates in Narrow Band FM mode in the 860 Mhz segment of the UHF band.

Utah Communications Agency Network (UCAN)

The UCAN system is a Motorola Type II Smartzone trunking system that is made up of many different trunked systems all linked together to provide wide area coverage throughout the Northern half of Utah. Most Public Service Agencies within this usage area subscribe to this system collectively rather than provide and support their own regional dispatch centers, radio transmitters and towers. The benefits for both UCAN members and scanner hobbyist alike are huge.

The Scanning Process - Bank/Channel Operation

You can monitor a single bank at a time or scan multiple banks together. If more than one bank is enabled, the scanner will scan the frequencies within the first bank until it goes inactive for a brief period of time, then it will switch to the next active bank that is enabled and scan that bank of frequencies until that bank goes inactive. You can mix and match Trunked and non-Trunked banks in your scanning line-up.

Scanning a Trunked System

You should program in all the **control channel** sites that you can hear in your area. But to hear your local agencies, you will mainly want to monitor the **simulcast site** that is closest to you. If you can't receive any of the simulcast sites, you can monitor the **IR (repeater) sites**. IR sites will only have traffic on them if a radio is in that IR site zone at that time. If you have a Trunk Tracking scanner you only need to enter the control channel frequency for the desired region from the list I provide at the end of this article. The scanner will do the rest by decoding all **voice channels** in use for that system.

If you do NOT have a Trunk Tracking scanner you need to enter all of the voice channel frequencies for the desired region. Do NOT enter the control channel frequency or all you will hear is data packets.

If you have a Trunk Tracking scanner the **Talk Group ID's** can be assigned **Alpha Text ID's** to more readily identify the current user of the channel at any given time.

Benefits of using Trunk Tracking

You must designate each scanner memory bank according to the type of frequencies stored therein. For example, designate the bank to contain a set of **conventional** frequencies or a set of **Trunked** frequencies such as the Motorola Type II Trunked (MOT) system. When programming the scanner for a MOT Type II system you only need to enter the Control/Data channel frequency for each system that you desire to scan. You do NOT need to enter each individual Voice Channel frequency. The scanner will do the work for you as it scans by decoding the Control Data channel to determine what Voice Channel frequency to monitor.

Alternatively, if you do not have a Trunk Tracking scanner, you can enter each of the Voice Channels into the bank memory locations as conventional frequencies and still monitor all the activity taking place on that Trunked system. However, this method lacks the benefits of being able to use some of the enhanced functions of a Trunk Tracking system such as to follow a specific Talk Group of conversations from beginning to end without interruptions from other, possibly less interesting, talk group conversations.

Open vs Closed Mode

Another benefit of designating a bank of Motorola Trunked memories as a MOT system is that you can also choose to designate the bank as being either **Opened** or **Closed**. Open-mode means **all** Talk-Groups are monitored. Closed mode means **only** selected Talk-Groups will be monitored.

When designated as Opened, the scanning proceeds as described above, scanning all Talk Groups active in the system at that time and going from one Talk Group to another as each conversation is completed. However, when designated as Closed, the scanner will only scan the Talk Groups that are programmed in that bank of memories and exclude all other talk groups active at that time. This way you can program your scanner to only scan the desired Talk Groups and NOT to scan other

Talk Groups that might not be as interesting to you as the others.

Closed Talk-Group Monitoring

The Closed-Mode Talk-Groups that I personally selected for exclusive monitoring are as follows: (the interesting stuff) All Emergency, EMS, Fire, Police, Swat Team, Strike Force, Police car-to-car, Air Medical, Hospital ER. Things **NOT** monitored in closed mode monitoring include: Dispatch & service channels, dogcatcher, water meter readers, garbage trucks, road plows, etc.

Follow the action

A real cool feature of a Trunk Tracking Scanner is the **Lock** function. When the scanner is scanning either an Opened or Closed bank of memories the operator can command the scanner to Lock on a specific Talk Group that is active at that time and from then on to **ONLY** scan that one specific Talk Group.

For example, while scanning a Trunked public service band and you hear some traffic that sounds particularly interesting, such as a police car chase or a fire command control event, you may want to monitor it exclusively. You can quickly lock out all other activity and monitor only that one desired activity from beginning to end. This way the interesting activity won't be interrupted by the dog catcher or the water meter reader.

To Lock on to a specific Talk-Group on a Pro-95 scanner press the TRUNK key and hold for at least 1 second. The currently active talk-group will lock-on and traffic from all other talk-groups will be ignored. Talk-group Text-ID is displayed on the bottom line of the LCD display at all times. To return to scanning all talk-groups simply press Scan.

Trunk Tracking - UCAN outside of Weber County

My preferred channels to monitor are those used in Weber County and North Davis County. However the total UCAN system included services for most of Northern Utah from Utah county in the south to Box Elder county in the north and from Tooele county in the

west to Evanston WY in the east. If you travel outside of Weber County you will need to enable other UCAN channels as desired.

Communications Aids

While monitoring, frequently you will hear a **phonetic alphabet** being used during communication of alpha characters such as license plates and names to clarify letters and spellings. **Call signs** are also frequently used to indicate Agency, City or County, used by UCAN dispatchers or remote unit to identify themselves to the dispatcher.

For example: **1F33** = WC Sheriff deputy #33, **2F25** = Ogden City officer #25 or **2F-T9** = Ogden City Traffic unit #9. Utah Highway Patrol (UHP) troopers are indicated by a state wide 1-3 digit number (without any alpha prefix) such as **123** = UHP Trooper # 123. The lower the number the higher their rank.

Radio Shack PRO-95 Trunk Tracking Scanner

Scanning a Trunked radio communications system at its fullest requires a Trunk Tracking

Scanner, such as the Radio Shack PRO-95. This is your author's scanner of choice and is well respected in the scanning hobby community. That is because it provides enhanced functionality while providing ease of use and sells for a reasonable price. For years it sold for \$199 but recently Radio Shack has reduced the price to \$129. I own 2 of this model scanner and other older models as well.

Radio Shack has just announced the availability of a new model Triple Trunking Scanner, the PRO-97. It is now selling for \$199 and provides all the functions of the PRO-95 plus some. Check it out.

Support Material

I have included the following tables, charts, control codes and other support items as attachments to enhance your scanning pleasure. If you would like to obtain an electronic downloadable ZIP package containing everything you will need to get you started (except the hardware) please contact me at k7hcp@arrl.com.

Attachments:

1. Utah Comm Agency Network (UCAN)
2. UCAN Control Channels
3. Weber Co/Ogden Area Frequencies
4. Other Selected Area Frequencies
5. Talk Group ID Codes - Weber/N.Davis
6. Agency Call Signs/Numbers
7. 10 Codes & Number Codes
8. Phonetic Alphabet
9. Scanner Hardware - Trunk Tracking Model
10. Bank/Channel Programming
11. Pro-95 Programming Tips

(1) Utah Communications Agency Network (UCAN)

The UCAN system is a Motorola Type II Smartzone trunking system that is made up of many different trunked systems all linked together to provide wide area coverage throughout the Northern half of Utah. You should program in all the sites that you can hear the control channel for. But to hear local agencies you will mainly want to monitor the **simulcast site** which is closest to you. If you can't receive any of the simulcast sites you can monitor the **IR (repeater) sites**. IR sites will only have traffic on them if a radio is in that IR sites zone at that time.

Main Coverage Counties:

Weber County, Box Elder, Davis, Morgan,
Salt Lake, Summit, Tooele, Utah, Wasatch

Agencies using the UCAN system:

Weber County, No Davis County, South Weber,
Kaysville, Layton, Syracuse, Clinton, Sunset, Clearfield.
Lifeflight, AirMed, major hospitals, DNR State Fire, State Emergency Mgmt,

South Davis, Bountiful, Farmington, Centerville, North Salt Lake, Woods Cross, West Bountiful, Sandy, South Jordan, Midvale, West Valley.
Orem, Provo, Springville, Mapleton Utah State Prison at the Point of the Mountain,
Utah State Department of Corrections, Utah State Department of Transportation.

(2) UCAN Control Channels

Note: If you have a **Trunk Tracking** scanner you only need to enter the **Control Channel** frequency for the desired region from the list below. The scanner will do the rest by decoding all voice channels in use for that system. * = **Simulcast site**, otherwise it is an **IR site**.

Weber County * 868.98750
Mount Ogden 866.80000
PromPt Ogden 868.70000

Francis Peak 868.82500
Davis Co * 867.83750
DC Layton 868.80000
Brigham City 867.13750
Morgan Pk 866.71250

SL Metro 859.73750
SL Co * 868.11250
Nelson Peak 868.55000
State Prison 867.88750
Utah Co * 867.66250

Heber City 868.91250
Parley's 868.63750
Park City 868.16250
Brighton 868.47500
Sundance 867.46250
Payson 866.42500
Spanish Fork 866.63750
Summit Co 868.22500
Summit Jail 867.93750
HobbleWasCol 868.81250
CurentWasCol 867.25000
Delle Tooele 868.37500
So Mt Tooele 868.46250
BlkTooeleCol 866.77500
VernonTooele 867.23750
Wendover 868.81250

(3) Weber Co/Ogden Area Frequencies

Note: If you do **NOT** have a Trunk Tracking scanner you need to enter all of the **Voice Channel** frequencies for the desired region from the list below. Do **NOT** enter the control channel frequency or all you will hear is Data packets.

Weber County Area - Simulcast

Locations: Ogden Public Safety Center,
South Ogden, Rocky point

868.9875	control channel
868.2875	voice channel
868.2375	voice channel
867.9250	voice channel
867.9000	voice channel
867.6125	voice channel
867.5875	voice channel
867.3000	voice channel
867.2750	voice channel

Mount Ogden (Ogden) - IR

866.8000	control channel
868.6500	voice channel
867.3625	voice channel
867.0750	voice channel
866.7625	voice channel
866.4375	voice channel
866.1500	voice channel

Promontory Point (Ogden) - IR

868.7000	control channel
868.3500	voice channel
866.7375	voice channel
866.2500	voice channel

(4) Other Selected Area Frequencies

Davis County Area - Simulcast

Locations: Davis County Sheriff's
Bountiful PD, Clearfield PD
Layton PD

867.8375	control channel
868.8500	voice channel
868.6000	voice channel
868.1750	voice channel
868.1500	voice channel
867.7125	voice channel
867.4750	voice channel
867.4500	voice channel
867.2250	voice channel
867.2000	voice channel
866.9250	voice channel

Davis County Landfill (Layton) - IR

868.8000	control channel
868.7875	voice channel
868.7750	voice channel
868.7500	voice channel

Francis Peak (Kaysville) - IR

866.8250	control channel
868.8250	voice channel
868.6750	voice channel
866.4875	voice channel
866.2250	voice channel

Morgan Peak (Morgan) - IR

866.7125	control channel
866.3875	voice channel
866.1125	voice channel

Reservoir Hill (Brigham City) - IR

867.1375	control channel
867.8625	voice channel
866.6125	voice channel
866.3375	voice channel
866.0625	voice channel

(5) Talk Group Id Codes

Weber County/No. Davis County

Note: If you have a **Trunk Tracking** scanner the talk group ID's can be assigned Alpha Text ID's to more readily identify the current user of the channel at any given time. (*) = priority ID.

WC Uhp c2c	04384 *	Spec School	12832
DC Uhp c2c	04416 *	Animal Ctrl	12896
SL Uhp c2c	04448 *	UDOT Hwy 1	12960
Uhp Spcl Op1	04608 *	Garb/Recycle	12992
Uhp Spcl Op2	04640 *	Pub Wks 2	13024
Protect Svc	04672 *		
Uhp Spcl Op3	04736 *	H2O Meter 2	13056
WC Fire Ch 1	05600 *	WC Maint 2	13088
WC Fire Op 1	05632 *	Golf Course	13120
WC Fire Op 2	05664 *	WC c2c Ch 5	13152 *
WC Fire Comm	05696 *	Riverdale 1	13344 *
Wsu Aux	05984 *	H2O Fire Hyd	13376 *
Weber North	06016	Riverdale 2	13408 *
Weber South	06048	South Ogden	13920 *
Ogden Svc 1	06080	North Ogden	14304 *
WC PS Comm	06112	H2O Meter 3	14880
WSU Police	06144 *	WC Jail 1	15040
OGD Dispatch	06400	WC Jail 2	15072
OGD PD Ch 5	06432 *	WC Jail 3	15104
WC OPS Ch 1	07680	WC Jail 4	15296
		BE Sheriff	15680
WC OPS Ch 2	07712	McKayDee Hos	16448 *
Fire Cmd Ctr	07744 *	Ogd Reg Hosp	16480 *
WC Narc Team	07776 *	Dav Co Hosp	16512 *
Ogden Svc 2	07840	Lds Hosp	16576 *
WC OPS Ch 9	07936	U of U Hosp	16608 *
WC OPS Ch 10	07968		
ClrFld Fire1	08832 *	Air Med 1	17184 *
ClrFld Fire2	08864 *	Air Med 2	17216 *
ClearFld PD	08992	Air Med Disp	17248 *
DC PD c2c	09376 *	SL Life Flt	17280 *
DC Disp 1	09408	Air Comm	17312 *
DC Disp 2	09440	DC Co Wide	17600 *
DC EMS	09504 *	WC Co Wide	17728 *
Davis Fire	09600 *	Antelope Prk	18080
DC Sheriff	09952	WC Maint 3	18176
Layton Fire1	10368 *	SearchRescue	18464 *
Layton Fire2	10400 *	Uhp Service	19776
Layton PD 1	10464	UDOT Hwy 2	19840
Layton PD 2	10528	UDOT Hwy 3	19872
SWeber Fire1	11072 *	UTA Police	23008 *
		DC Fire	25056 *
SWeber Fire2	11104 *	UC Life Flt	27616 *
UDOT DC	11264		
Farm'ng EMS	11488 *		
WC Swat Team	11936 *		
Uhp Spcl Op4	11968 *		
WC Strike Frc	12032 *		
WC North c2c	12064 *		
WC South c2c	12096 *		
WC c2c Ch 6	12288 *		
OPD Trainig	12320 *		
WC Office	12512		
WC Fire	12544 *		
WC Maint 1	12576		
H2O Meter 1	12640		
Pub Wks 1	12800		

(6) Agency Call Signs/Numbers

Note: **Call Signs** indicate Agency, City or County, used by UCAN dispatchers or remote unit to identify themselves to the dispatcher. For example: **1F33** = WC Sheriff deputy #33, **2F25** = Ogden City officer #25 or **2F-T9** = Ogden City Traffic unit #9. Utah Highway Patrol (UHP) troopers are indicated by a state wide 1-3 digit number (without any alpha prefix) such as **123** = UHP Trooper # 123.

State Agencies

1A Div of Wildlife Resources
2A Parks & Recreation
5A Utah Div. Investigation
6A Utah State Prison
9A Dept of Trans (DOT)
10A Bureau of Criminal Invest

20A Weber State College
25A Motor Vehicle Administration
33A Crime Lab
35A Driver's License Div.
38A Corrections (Probation/Parole)
45A Admin, Utah Dept Public Safety

Federal Agencies

1B FBI
2B Secret Service
4B ATF
5B INS
10B Hill AFB
14B U.S. Forest Service

16B GSA
17B U.S. Marshall
19B National Weather Service
26B IRS
27B DEA
28B U.S. Customs

Box Elder County (Charlie)

Cache County (Delta)

Morgan County (Echo)

Weber County (Fox)

= UHP

1-F Weber County
2-F Ogden City >>> (see suffix)
3-F Roy
4-F South Ogden
5-F Washington Terrace
6-F North Ogden
7-F Riverdale
9-F Pleasant View
10-F Plain City
13-F Harrisville
14-F Huntsville
15-F Uintah

Ogden City ID (call sign suffix)

A = Admin
B =
C = Animal Control
D = Detective
G = Gang
K = K9's
N = Narc's
R = Resource/School
T = Traffic
W =
Y = Youth/Juvenile

Davis County (Golf)

= UHP

1-G Davis County
2-G Bountiful
3-G Layton
4-G Clearfield
5-G Sunset
6-G Kaysville
7-G Centerville
8-G Woods Cross

9-G Farmington
10-G North Salt Lake
13-G Syracuse
14-G West Point
15-G West Bountiful
16-G East Layton
17-G Clinton

(7) 10 Codes & Number Codes

Note: Red = most often used

10-0 Caution
10-1 Signal Weak
10-2 Signal Good
10-3 Stop Transmitting
10-4 Affirmative (OK)
10-5 Relay (To)
10-6 Busy Unless Urgent
10-7 Out Of Service
10-8 In Service
10-9 Say Again
10-10 Negative
10-11 _____ On Duty
10-12 Stand By
10-13 Existing Conditions
10-14 Information
10-15 Message Delivered
10-16 Reply To Message
10-17 Enroute
10-18 Urgent
10-19 In Contact
10-20 Location
10-21 Call _____ By Phone
10-22 Disregard
10-23 Arrived At Scene
10-24 Assignment Completed
10-25 Report To _____ (meet)
10-26 Estimated Time Of Arrival
10-27 License/Permit Info
10-28 Ownership Information
10-29 Records Check
10-30 Danger/Caution
10-31 Pick Up
10-32 _____ Units Needed
10-33 Help Me Quick
10-34 Time
10-35 ...Drugs...
10-36 Security Check
10-38 Computer Down
10-39 Urgent Use Light & Siren
10-40 Silent Run, No Lights
10-41 Beginning Tour Of Duty
10-42 Ending Tour Of Duty
10-43 Shuttle
10-44 Permission To Leave
10-45 Animal Carcass At _____
10-46 Assist Motorist
10-47 Investigate Suspicious Veh
10-48 Disturbing The Peace
10-49 Traffic Light Out At _____
10-50 Accident (F, PI, PD)

CODE 1 EXPEDITE NO LIGHTS/SIREN
CODE 3 LIGHTS & SIREN
CODE 4 SITUATION UNDER CONTROL
CODE 5 SURVEILLANCE
CODE 6 FOLLOW UP INVESTIGATION
CODE 7 LUNCH

10-51 Wrecker Needed
10-52 Ambulance Needed
10-53 Traffic Control
10-54 Change To Channel _____
10-55 Intoxicated Driver
10-56 Intoxicated Pedestrian
10-57 Hit & Run (F,PI,PD)
10-58 Airplane Crash
10-59 Reckless Driver
10-60 Out Of Car On Violator At _____
10-61 Motor Inspection
10-62 Request Permission Car To Car
10-63 Prepare To Make Written Copy
10-64 Vandalism
10-65 Juvenile Problem
10-66 Major Crime Alert
10-67 Net Message
10-68 Runaway Juvenile
10-69 Missing Person
10-70 Fire Alarm
10-71 Nature Of Fire
10-72 Progress Report On Fire
10-73 Rape
10-74 Civil Disturbance
10-75 Domestic Problem
10-76 Meet Complaint
10-77 Return To _____
10-78 Back Up _____
10-79 Notify Coroner
10-80 Chase In Progress
10-81 Breathalyzer Report
10-82 Prisoner In Custody
10-83 Confidential Information
10-84 Visitors Present
10-85 Victims Condition Code
A=FAIR, B=POOR, C=SERIOUS,
D=CRITICAL, E=FATALITY
10-86 Crime In Progress
10-87 Abandoned Car
10-88 Man With Gun
10-89 Bomb Threat
10-90 Bank Alarm At _____
10-91 Burglary
10-92 Theft
10-93 Unnecessary Use Of Radio
10-94 Contact Your Home
10-95 Out At Home
10-96 Mental Subject
10-97 Test Signal
10-98 Prison Break
10-99 Wanted/Stolen Indicated

CODE 9 MENTAL SUBJECT
CODE 10 PEPPER SPRAY HAS/WILL BE USED
CODE 20 NOTIFY NEWS MEDIA
CODE 28 PAROLE CHECK
CODE 939 NARCOTICS INVOLVED

(8) Phonetic Alphabet

Note: A phonetic alphabet is used during communication of alpha characters such as license plates and names to clarify letters and spellings.

- A - alpha
- B - bravo
- C - charlie
- D - delta
- E - echo
- F - foxtrot
- G - golf
- H - hotel
- I - india
- J - juliet
- K - kilo
- L - lima
- M - mike
- N - november
- O - oscar
- P - papa
- Q - quebec
- R - romeo
- S - sierra
- T - tango
- U - uniform
- V - victor
- W - whisky
- X - x-ray
- Y - yankee
- Z - zulu

(9) SCANNER HARDWARE

Trunk Tracking Model

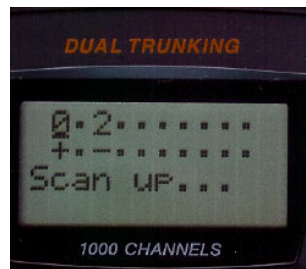
Radio Shack Pro-95

- Trunking Tracking Scanner
- 1000 channels



4 line display ... includes

- Bank/Channel number & scan mode
- Voice Channel frequency decode
- Trunking system name (ctrl chan)
- Talk Group text ID decode



Alternate screen ... includes

- Bank #'s being scanned
- Bank status (+ open)
- Bank status (- closed)
- Scan direction

Radio Shack Pro 95 - Suggested Support Links

Win95.Exe (computer interface memory control program) <http://www.starrsoft.com/>

Pro95 to PC interface cable (\$15) <http://www.greamerica.com/scanner.html>

Build your own interface cable <http://www.pro-92.com/pcifcableb.htm>

(10) Bank/Channel Programming

(Downloadable file available upon request)

Note: Below is my personal Bank/Channel programming choices.

Bank 0 = **Ham radio** - 6m, 2m, 70cm repeaters and simplex freqs

Bank 1 = **UCAN (Public service - Trunked-open (all ID's - all traffic) 800mhz...**

Bank 2 = **UCAN (Public service - Trunked-closed (only selected ID's, emergency, fire, etc)**

Bank 3 = old Public service freqs - UHP and EMS (150 mhz) - simulcast on 800 mhz

Bank 4 = UTA, Trax and Weber Co schools

Bank 5 = Ogden Airport, Hafb Air traffic support, Search/Rescue, etc...

Bank 6 = SLC Int airport (Air, Gnd, Tower, etc)

Bank 7 = Ogden rail road switching yard and train support dispatch

Bank 8 = Cordless telephone and Baby monitors (46 - 49 Mhz) - illegal to listen to these freqs

Bank 9 = experiment/play around - channel

(11) Pro-95 Programming Tips

Pro-95 Scanner ... Tip #1

Trunk Tracking - Exclusive Talk-Group Monitoring

While (S)canning a Trunked public service band (such as our Bank "1" or Bank "2") and you hear some traffic that sounds particularly interesting may want to monitor it exclusively.

PRESS the red TRUNK button (upper right corner of key pad) **and HOLD for at least 1 second.**

The currently active talk-group will lock-on and traffic from all other talk-groups will be ignored.

Talk-group Text-ID is displayed on the bottom (4th) line of the LCD display at all times.

To return to scanning all talk-groups simply press (S)can button (upper left corner of key pad).

Pro-95 Scanner ... Tip #2

Trunk Tracking - UCAN (Utah Communications Agency Network) - N. Utah Public Service

My programming has the Trunked Tracking (UCAN) channels on Bank #1 and Bank #2.

Bank #1 is Open-mode, which means **ALL** Talk-Groups are monitored.

Bank #2 is Closed-mode, which means **only** selected Talk-Groups will be monitored.

The Talk-Groups I selected for monitoring are as follows: (the interesting stuff)

All Emergency, EMS, Fire, Police, Swat Team, Strike Force, Police car-to-car, Air Medical, Hospital ER

Things **NOT** monitored include:

Dispatch & service channels, dog catcher, water meter readers, garbage trucks, road plows, etc...

Pro-95 Scanner ... Tip #3

Trunk Tracking - UCAN outside of Weber County

My programming has the Trunked Tracking (UCAN) channels on Bank #1 and Bank #2.

The default channels monitored are those used in Weber County, however the total UCAN system included services for most of Northern Utah from Utah county in the south to Box Elder county in the north and from Tooele county in the west to Evanston WY in the east.

If traveling outside of Weber County you will need to enable some of the other channels as desired.

To do this do the following...

Enable scanning for bank #1 by pressing **(S)can** and then press the #1 button on the keypad.

Disable scanning of any other banks at this time by pressing the #n for any bank "n" that may have been previously enabled.

Pro-95 Scanner ... Tip #3 (continued)

Press **(S)can** button (upper left of key pad)

Display should show **S101** ... if any channels are currently active or ***1******* if scanning for bank #1 activity.

Press **(M)anual** button (upper center of key pad)

Press **Up Arrow and/or Down Arrow** key (next to pause and mode buttons) to view specific channel numbers.

Note LCD display line #1, upper left ... **Mxyy** (where **M**=manual mode, **X**=Bank#, **yy**=channel #)

M101 = Weber County

M102 = Mt Ogden (Weber Co + Davis Co + Morgan Co + more)

M103 = Promontory Point (BoxElder + more)

M104 = Francis Peak = (Davis Co + more)

M105 = Davis County

M106 = Layton Utah

M107 ... M30 (see for yourself)

To enable another channel (county/city/etc) **Arrow** to the desired channel.

Press **L/OUT** (middle bottom of keypad) to toggle **lock/un-lock** the desired channel.

Notice LCD display line #1: M101~**DL+MO

The "L" in position #9 = LockOut or "*" in position #9 = NOT locked out

Proceed to Unlock the channel that corresponds to your scanning location.

You may want to Lock-out the channels that correspond to any other locations to speed up scanning.

Press **(S)can** to commence scanning of the desired UCAN location.

Note: UCAN County/Location Text-ID displays on LCD line #3 when any traffic exists.

Pro-95 Scanner ... Tip #4

LCD Display symbols definitions ...

LCD display line #1:

Example: Mbcc~**DL+MO

Position 1-4 (**Mbcc**): **Mode** = (M)anual or (S)can, **b**=Bank #, **cc**=Channel #)

Position 5: (~) = squelch is open, (*) squelch is closed

Position 8: (D) = Control channel, Data decode

Position 9: (L) Locked Out or (*) Un-locked ---- if manual mode

Position 9: (^) Scanning upward or (v) scanning down ward ---- if scanning mode

Position 10: (+) Trunked open mode (scan all talk groups)

Position 10: (-) Trunked closed mode (scan only selected talk groups)

Position 11-12: MO or MOT = Motorola Trunked Mode

LCD display line #2:

Example: VC Mmm.Kkkkk

(VC) = Voice Channel or () = Control channel - data

(Mmm) = Mhz frequency

(Kkkkk) = Khz frequency

LCD display line #3:

Example: Weber County

(UCAN Data Channel - Location)

LCD display line #4:

Example: WC Fire Op 2

Example: ID 12345

Example: MOT 67890

Talk Group Text ID (if known ID and text programmed)

Talk Group ID ## (if known ID but not text programmed)

Talk Group MOT ## (if unknown ID)

END