

DNA3.TXT

models. These chips are capable of scanning in the 800MHz range but this feature is disabled by grounding certain pins in the US models. Often restoring Cellular scanning functions is merely a matter of cutting a circuit trace or removing a single diode from a scanner's printed circuit board.

For instance, removing diode 513 from a Radio Shack Pro-2004 Scanner will enable the 870MHz Cellular range. Installing diode 510 will increase the number of scanning channels from 300 to 400. Installing diode 514 will increase the scanning rate from 16 to 20 channels per second. These are located on the printed circuit board labeled PC-3.

The Uniden Bearcat 200/205XLT can be modified for Cellular scanning by cutting or removing the 10K-ohm resistor located on the printed circuit above the letters "DEN" on the microprocessor chip labeled "UNIDEN UC-1147".

The Regency Electronics MX7000 Scanner reportedly scans Cellular Phones without modification.

An additional scanner rumored to be modifiable is the Realistic Pro-32.

Another source of useful radio gear are "Export Only" manufacturers. One of these is currently rumored to be offering a handheld cellular phone that does it's own routing and has an operating radius of 160 kilometers!

CELLULAR PHONE FREQUENCIES:

Here are the frequency range assignments for Cellular Telephones:

Repeater Input (Phone transmissions) 825.03 - 844.98 Megahertz
Repeater Output (Tower transmissions) 870.03 - 889.98 Megahertz

There are 666 Channels. Phones transmit 45 MHz below the corresponding Tower channel. The channels are spaced every 30 KHz.

CORDLESS PHONE FREQUENCIES:

It's also possible to hack the popular cordless phones. These use the 49MHz band used by baby monitors and toy FM walkie talkies. Scanners can be used to monitor these without modification, and FM handheld transceivers will allow 2-way hacking of these frequencies, which some may find amusing.

Channel Handset Transmit Base Transmit

1	49.67	46.61	(frequencies in Megahertz)
2	49.845	46.63	
3	49.86	46.67	
4	49.77	46.71	
5	49.875	46.73	
6	49.83	46.77	

7	49.89	46.83
8	49.93	46.87
9	49.99	46.93
10	49.97	46.97

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