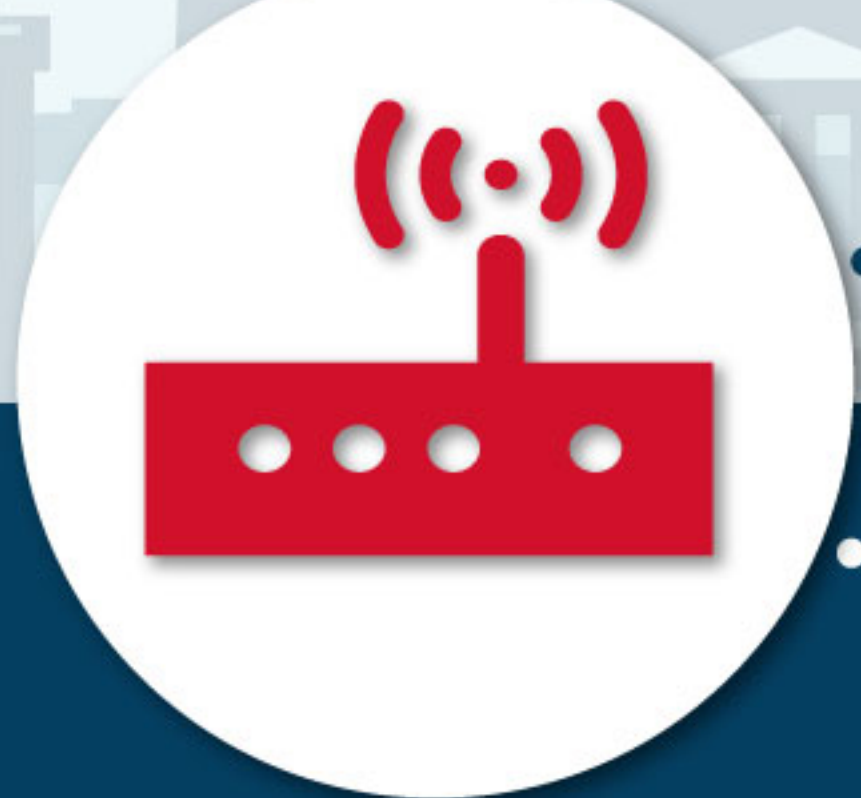


Transition to C-Band

The US Government has auctioned some of the airwaves for **commercial mobile devices**



2

Blocks in the 1695-1710 MHz band

4

Paired sets of frequencies at 1755-1780 & 2155-2180 MHz

Once a grace period is over, all telemetry for ...

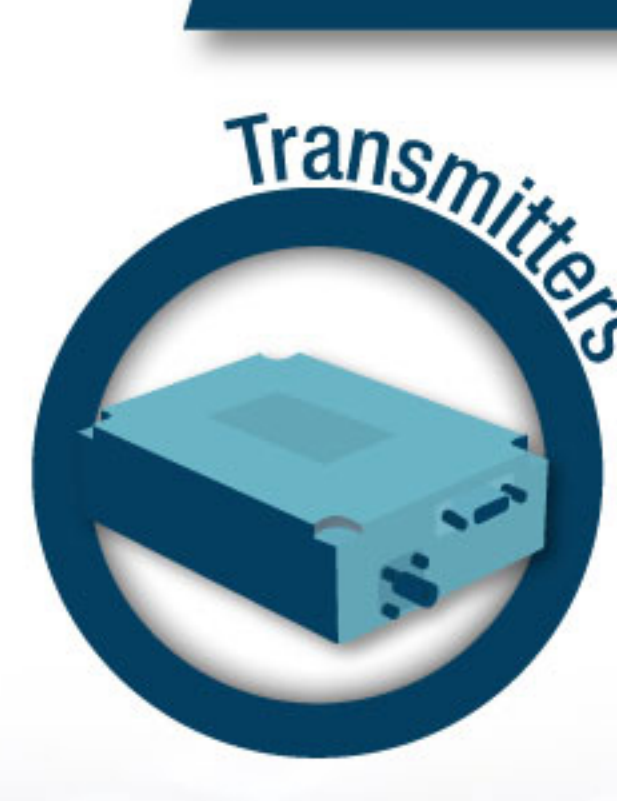


will reside in C-band in the US.

New Frequency bands established for these applications:

4400 to 4940 MHz
5090 to 5150 MHz
5925 to 6700 MHz

Required Telemetry equipment upgrades



Use dual-band operation to lower risk

Curtiss-Wright supports single and multi-band solutions to allow for dual-band usage until the grace period ends.



Initial testing demonstrated an impact on link margin



Caused primarily by cable and connector losses

Tracking accuracies and water vapor effects



20%

The average **additional RF transmitter power** platforms require over what was needed for the L & S band.

Higher gain coding schemes bring additional link margin

Used for many years in the launch and space industry



Advances in **commercial rf devices** can be used in telemetry applications resulting in **lower costs, higher gain and reduced size.**

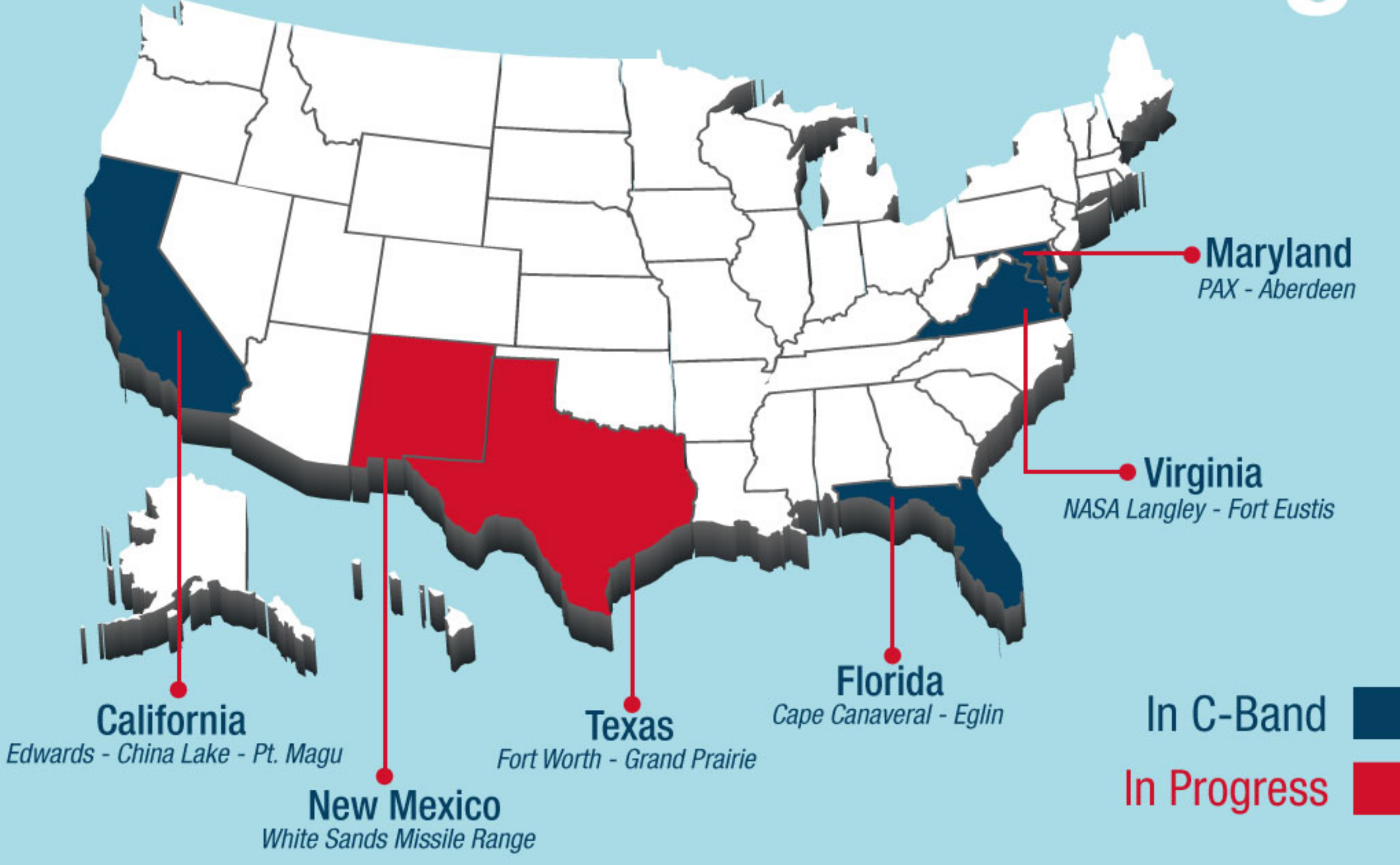
Single, dual and tri-band programmable Transmitters

iNet Transceivers

20, 50, and 400 Watt Transponders

Receivers - both PCI and rack mounted

C-Band Coverage



Products



TTS-9689-1 Dual Band Transmitter



TTS-9800-2 Tri-Band Transmitter



XPDR-2400-1 Radar Enhancing Transponder



nXCVR-3140 C-Band iNET Transceiver



RMDS-500S-8 C band PCI Receiver



TTS-9670-1 C-Band Transmitter