

Description of proposed system:

To establish P25 coverage in the south area of Jefferson County around Port Arthur. A new tower and RF site will be built in the city of Port Arthur. The RF site will improve coverage and capacity of the existing South East Texas Regional Radio System (SETRRS) into this part of Jefferson County.

The follow six frequency pairs have been selected from the Region 51 channel allocation based on surrounding frequency assignments and intermodulation studies including co-located VHF frequencies.

Port Arthur	CH #	Base TX	Base RX
CH 1	219	770.36875	800.36875
CH 2	415	771.59375	801.59375
CH 3	443	771.76875	801.76875
CH 4	485	772.03125	802.03125
CH 5	595	772.71875	802.71875
CH 6	871	774.44375	804.44375

Justification:

The regional system provides coverage in Jefferson County, western Orange County, and northern Hardin County. These six frequencies are requested to provide P25 coverage and additional capacity in the area of Jefferson County around Port Arthur.