

From: Myron Fanton

To: Leann Nguyen

Date: May 03, 2021

Subject: Request for Info - File # 0088-EX-CM-2021

Message:

The purpose of modification:

The purpose of this modification is to add and adjust frequency ranges, to adjust ERP levels, and to adjust transmitter locations in order to authorize our planned program of testing products in the required frequency bands and in our planned testing facilities.

Modification Details:

First, the two stations with the same lat/lon were consolidated under one fixed transmit station. Then all stations were modified to have the same ERP and frequency.

Fixed station #1: Kilgore (GREGG), TX - NL 32-24-24; WL 94-51-17

- • Modified antenna to non-directional
- • Add new 1525-1850 MHz
- • Add new 1850-2300 MHz
- • Add new 2483.5-2700 MHz
- • Add new 3100-3400 MHz
- • Add new 3700-4200 MHz
- • Modify 4200-4500 ERP from 87W to 99W (harmonize transmitters)
- • Add new 6875-7055 MHz
- • Add new 8025-8400 MHz
- • Add new 10700-12700 MHz
- • Modify 12700-13250 MHz band to 12700-12750 MHz (eliminate erroneous overlap)
- • Add new 14800-17000 MHz
- • Add new 17000-17800 MHz
- • Add new 17800-18600 MHz
- • Add new 18800-20200 MHz
- • Modify 20200-22200 MHz ERP from 2208W to 2421W (harmonize transmitters)
- • Add new 40000-41000 MHz
- • Modify 42000-42500 MHz ERP from 8259W to 8874W (harmonize transmitters)
- • Add new 47200-50200 MHz
- • Modify 50200-50400 MHz ERP from 12300W to 12480W (harmonize transmitters)
- • Add new 50400-51400 MHz

Fixed station #2: Kilgore (GREGG), TX - NL 32-24-24; WL 94-51-17

- • Modified location (originally redundant) to 32-24-39N 094-48-58W
- • Add new 1525-1850 MHz
- • Add new 1850-2300 MHz
- • Add new 2483.5-2700 MHz
- • Add new 3100-3400 MHz
- • Add new 3700-4200 MHz
- • Modify 4200-4500 ERP from 87W to 99W (harmonize transmitters)
- • Add new 6875-7055 MHz
- • Add new 8025-8400 MHz
- • Add new 10700-12700 MHz
- • Modify 12700-13250 MHz band to 12700-12750 MHz (eliminate erroneous overlap)
- • Add new 14800-17000 MHz
- • Add new 17000-17800 MHz

- Add new 17800-18600 MHz
- Add new 18800-20200 MHz
- Modify 20200-22200 MHz ERP from 2208W to 2421W (harmonize transmitters)
- Add new 40000-41000 MHz
- Modify 42000-42500 MHz ERP from 8259W to 8874W (harmonize transmitters)
- Add new 47200-50200 MHz
- Modify 50200-50400 MHz ERP from 12300W to 12480W (harmonize transmitters)
- Add new 50400-51400 MHz

Fixed station #3 Kilgore (GREGG), TX - NL 32-23-57; WL 94-51-22

- Add new 1525-1850 MHz
- Add new 1850-2300 MHz
- Add new 2483.5-2700 MHz
- Add new 3100-3400 MHz
- Add new 3700-4200 MHz
- Modify 4200-4500 ERP from 87W to 99W (harmonize transmitters)
- Add new 5700-6875 MHz
- Add new 6875-7055 MHz
- Add new 8025-8400 MHz
- Add new 10700-12700 MHz
- Add new 14800-17000 MHz
- Add new 17800-18600 MHz
- Add new 18800-20200 MHz
- Modify 20200-22200 MHz ERP from 2208W to 2421W (harmonize transmitters)
- Add new 40000-41000 MHz
- Modify 42000-42500 MHz ERP from 8259W to 8874W (harmonize transmitters)
- Add new 47200-50200 MHz
- Modify 50200-50400 MHz ERP from 12300W to 12480W (harmonize transmitters)
- Add new 50400-51400 MHz