

Attachment to FCC Form 731

FCC ID: AQZ-VSR-4141-001

Exhibit 5

Schematic Diagrams

Part of Paragraph 2.1033(c)10

Schematic diagrams are included for all circuits used to determine and stabilize frequency, suppress spurious radiation, limit modulation and limit power.

The full contents of Exhibit 5 are contained in 4 files as follows:

1. File 1: this header sheet.
2. File 2: drawing number 12008-1251, for the Exciter pwb.
3. File 3: drawing number 12008-1551, for the Directional Coupler/LPF assembly.
4. File 4: drawing number 12008-1651, for the Power Amplifier assembly.

The 20 Watt SCAT VHF Transmitter, model number VSR-4141-001, referenced in this application for certification, has exactly the same hardware as the 150 Watt LAAS VHF Transmitter, model number VLR-4141-001. The installed software differs slightly between the two units, solely due to the slight modulation waveform differences between the two, the control of the output power level, and the somewhat narrower frequency range of the SCAT Transmitter, VSR-4141-001. The schematic diagrams included in this exhibit are applicable to both model numbers, but may occasionally reference the higher power levels of the LAAS Transmitter, VLR-4141-001.