

**South Carolina Minimum Standards for  
VHF/UHF Communication Equipment Purchases**

**October 1, 2012**

All radios purchased with Homeland Security grant funds must be programmed with National & State interoperability channels in accordance with the *South Carolina Interoperability Channel Plan for Designated Public Safety Interoperability Channels*.

**VHF (Low Band) Radio (33 – 50 MHz)**

All new purchases of VHF (Low Band) radio equipment must adhere to the following minimum requirements:

- FCC Part 90 Type Accepted
- Capable of Continuous Tone-Coded Squelch System (CTCSS)
- Minimum of 8 character alpha numeric display
- Minimum of 32 channels
- Minimum of 50 watts power for all mobile radio equipment
- Minimum of 4 watts for all portable radio equipment
- Compliant with Mil Spec 810 C, 810 D and 810 E

**VHF (High Band) Radio (150 – 162 MHz)**

All new purchases of VHF (High Band) radio equipment must adhere to the following minimum requirements:

- FCC Part 90 Type Accepted
- Capable of Continuous Tone-Coded Squelch System (CTCSS)
- Capable of Digital-Coded Squelch (DCS)
- Narrowband-compliant according to FCC emissions 11K2F3E
- Minimum of 8 character alpha numeric display
- Minimum of 120 channels
- Minimum of 40 watts power for all mobile radio equipment
- Minimum of 4 watts for all portable radio equipment
- Compliant with Mil Spec 810 C, 810 D and 810 E

**Minimum Requirements for UHF Radio Equipment (450 – 470 MHz)**

All new purchases of UHF radio equipment must adhere to the following minimum requirements:

- FCC Part 90 Type Accepted
- Capable of Continuous Tone-Coded Squelch System (CTCSS)
- Capable of Digital Coded Squelch (DCS)
- Narrowband-compliant according to FCC emission 11K2F3E
- Minimum of 8 character alpha numeric display
- Minimum of 120 channels
- Minimum of 40 watts power for all mobile radio equipment
- Minimum of 4 watts for all portable radio equipment
- Compliant with Mil Spec 810 C, 810 D and 810 E

For questions contact:

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