



MOTOROLA

Q387 CONVENTIONAL VOTING SCAN

Description

Q387 Conventional Voting Scan is used in multi-frequency simulcast applications. When carrier is detected on one of the scan list frequencies, the radio votes (samples signal strength) on all frequencies in the scan list. The radio then unmutes on the strongest signal that matches the unmuting conditions. If neither of the two strongest signals matches the unmuting conditions, the radio returns to scanning.

Radio Service Software (RSS) Programming

Conventional Voting Scan List

1. On SCAN LIST screen:
 - Scan Type set to CONVENTIONAL
 - Dynamic Priority set to DISABLED
 - Priority 1 Type set to DISABLED
 - Priority 2 Type set to DISABLED
 - Non Priority Members set to FIXED
2. On SCAN OPTIONS screen:
 - Voting Scan set to ENABLED

Modes that Use Voting Scan Lists

1. On CONVENTIONAL PERSONALITY screen:
 - Scan List pointed to a Conventional Voting Scan List as described above
2. On CONVENTIONAL PERSONALITY OPTIONS screen:
 - Auto Scan set to ENABLED

Limitations of Voting Scan

The following types of operation are either not recommended or are not certified with Conventional Voting Scan:

- SECURENET operation - SECURENET operation is not recommended due to the additional time required to detect the proper secure key prior to unmuting. SECURENET operation may add an unacceptable amount of delay in receiving transmissions.
- Using more than 7 scan list frequencies - Including more than 7 frequencies in the scan list is not recommended due to the additional delay required to scan each frequency. The fewer the number of scan list frequencies used, the better the voting scan performance.
- Using MDC, GE Star or Quick Call signalling features - These signalling features are not certified for use with Conventional Voting Scan. These signalling features may not work properly with Conventional Voting Scan due to the delays introduced in the voting process.

