

AN600 MULTIPLE RECEIVER VOTING

FEATURES AT A GLANCE

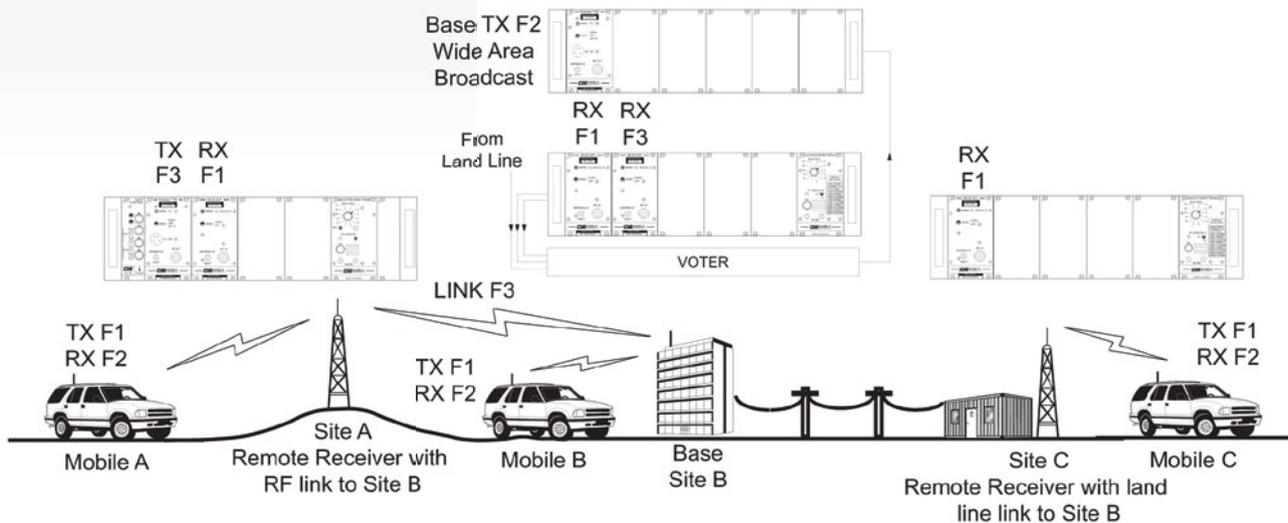
- Provides improved coverage
- Supports analog or digital P25 voting
- Supports multiple backhaul technologies
- Votes based on Signal quality (S/N, RSSI or BER)

REQUIREMENT

A receiver voting system is required to improve the talk-back capability of mobiles in the field.

SOLUTION

Codan radio equipment is ideally suited for operation in receiver voting systems. These types of systems may require multiple receivers in a single subrack and combinations of receivers and transmitters. Each receiver output includes a COR line and several audio access points. These are typically used by the voter for receiver selection and transmitter steering. The generic system shown below allows remote mobiles to contact other remote users. The local RX 1 frequencies are back hauled to the base station. Site A uses a radio link. Site C uses a leased line. Site B is the resident Local base receiver. The voter will determine the "best" RX and rebroadcast the signal from the base on TX F2.



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REQUIRED EQUIPMENT

SR-39-3	Multiple Receiver Subrack (Holds up to five receivers)
SM-3-H0-014-05	Audio Monitor
SR-39-4	Multiple Transmitter Subrack (Holds up to five transmitters)
xR-3/xxx-xxxx00	Receiver Modules
xT-3/xxx-xxxx00	Transmitter Modules
IMxx-xxxxxxx	Instruction manuals

* Required Equipment depends on configuration of Voting System

SPECIFICATIONS

AC-CAT-E1	Status Tone Encoder
AMP-2/xxx-30-00	30 Watt Power Amplifier
AC-CTCSS-DE1	CTCSS decoder / encoder modules
AC-DCS1	Digitally Coded Squelch
PSA-12A09-P0-00	AC Power Supply
PSD-15/08-P0-xx	DC to DC Power Supply

FREQUENCY BANDS / RF POWER OUTPUT

- 30 – 50 MHz / 3, 40, 100, 250 Watts
- 132 – 174 MHz / 8, 30, 100 Watts
- 406 – 470 MHz / 2, 8, 30, 100 Watts
- 806 – 869 MHz / 3 Watts
- 896 – 960 MHz / 3 Watts

RELATED APPLICATIONS

- AN300 Multiple Linked Repeater System
- AN410 Crossband Link Repeater System

AVAILABLE OPTIONS/FEATURES

- CTCSS, DCS, Telephone Interconnect

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Values noted are typical. Equipment descriptions and specifications subject to change without notice or obligation.



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12-20280-EN Issue 2 5/2014

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