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ATTACHEMENT A

RS-16 Tests and Checks DesiredA. Transmitter

1. Input power requirements
2. RF output power - average and peak for all four bands
3. Monitor output signal
 - a. to determine presence of backwave, hash, etc.
 - b. to show keyed waveshape - pulse width, amplitude, amount of distortion
4. Frequency range - tunable range, overall and for each band
5. Spurious output
 - a. kind and amount of radiation
 - b. interference effect on TV and FM
6. Stability of coder operation
7. Physical limitations

B. Receiver

1. Input power requirements
2. AM and CW sensitivities
3. Radiation - local oscillator
4. BFO drift
5. Audio Power output
6. Audio frequency response
7. Physical limitations

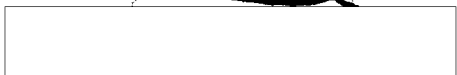
C. Operational

1. Test fire field equipment on each channel into AS-4A base station using recognition and standard message text in coder.
 - a. Test fire also at low and high temperature conditions.
2. Test result observations should include:
 - a. pulse shape
 - b. pulse spacing
 - c. channel spacing
 - d. background noise - interference
 - e. transmission time
 - f. output meter indication
 - g. percent copy

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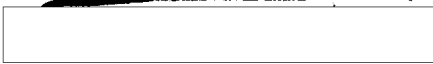


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D. Battery

1. Number of transmissions from a fully charged battery.

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