

PART E
SPECIFICATIONS

PART E - SPECIFICATIONS

GENERAL

E1. GENERAL

E1.1 These Specifications shall apply to the Work.

E2. GOODS

E2.1 The Contractor shall supply Proxim Radios in accordance with the requirements hereinafter specified.

E2.2 Item No. 1 - LYNX.SC6 (T1)SS RADIO, 5.8 C1 shall be Proxim part number: WWM58-31000C1 or equivalent with the following salient features:

- (a) Antenna connector N-Type Female;
- (b) Full Output Power $\geq +20\text{dBm}$, Minimum;
- (c) RF Attenuation Range 20dB, minimum;
- (d) Maximum receive level -5dBm , error-free;
- (e) Processing gain 10dB, minimum;
- (f) Transmission delay 10-mile path 550 us, maximum;
- (g) Regulatory Compliance:
 - (i) Canada: IC RSS 210/139;
 - (ii) DSX-1: CCITT G.823, AT&T Pub 62411, Bellcore: TR-TSY-000499;
- (h) Digital Line Interface:
 - (i) Digital interface: DSX-1;
 - (ii) T1 Connector: RJ-45 Female and DB-9 female;
 - (iii) T1 Line Code: B8ZS or AMI selectable.
- (i) Power:
 - (i) DC power ± 20 to ± 63 Volts, < 45 watts;
 - (ii) Optional AC Adapter 100-250 Volts, 50-60 Hz.
- (j) Environment:
 - (i) Operational temperature -30 deg C to $+65$ deg C;
 - (ii) Humidity 0 to 95% non-condensing;
 - (iii) Physical size maximum (WxHxD) 1.72 x 3.5 x 14.5 inches
 - (iv) Maximum weight 11lbs;
 - (v) Mounting EIA Rack Mount: 19 inch width, maximum 2-unit height with mounting brackets.
- (k) Frequency Channel Plans (mhz) a1 5735, b1 5755, c1 5775, a2 5800, b2 5820, c2 5840
 - (i) Plans must be changeable in the radios to all above plans with screw in parts changing

E2.3 Item No. 2 - LYNX.SC6 (T1)SS RADIO, 5.8 C2 shall be Proxim part number: WWM58-31000C2 or equivalent with the following salient features:

- (a) Antenna connector N-Type Female;
- (b) Full Output Power $\geq +20\text{dBm}$, Minimum;

- (c) RF Attenuation Range 20dB, minimum;
- (d) Maximum receive level -5dBm, error-free;
- (e) Processing gain 10dB, minimum;
- (f) Transmission delay 10-mile path 550 us, maximum;
- (g) Regulatory Compliance:
 - (i) Canada: IC RSS 210/139;
 - (ii) DSX-1: CCITT G.823, AT&T Pub 62411, Bellcore: TR-TSY-000499;
- (h) Digital Line Interface:
 - (i) Digital interface: DSX-1;
 - (ii) T1 Connector: RJ-45 Female and DB-9 female;
 - (iii) T1 Line Code: B8ZS or AMI selectable;
- (i) Power:
 - (i) DC power +/- 20 to +/- 63 Volts, < 45 watts;
 - (ii) Optional AC Adapter 100-250 Volts, 50-60 Hz;
- (j) Environment:
 - (i) Operational temperature -30 deg C to +65 deg C;
 - (ii) Humidity 0 to 95% non-condensing;
 - (iii) Physical size maximum (WxHxD) 1.72 x 3.5 x 14.5 inches;
 - (iv) Maximum weight 11lbs;
 - (v) Mounting EIA Rack Mount: 19 inch width, maximum 2-unit height with mounting brackets;
- (k) Frequency Channel Plans (mhz) a1 5735, b1 5755, c1 5775, a2 5800, b2 5820, c2 5840;
 - (i) Plans must be changeable in the radios to all above plans with screw in parts changing.

E2.4 Item No. 3 - LYNX.SC6 (T1)SS RADIO, 5.8 B1 shall be Proxim part number: WWM58-31000B1 or equivalent with the following salient features:

- (a) Antenna connector N-Type Female;
- (b) Full Output Power >= +20dBm, Minimum;
- (c) RF Attenuation Range 20dB, minimum;
- (d) Maximum receive level -5dBm, error-free;
- (e) Processing gain 10dB, minimum;
- (f) Transmission delay 10-mile path 550 us, maximum;
- (g) Regulatory Compliance:
 - (i) Canada: IC RSS 210/139;
 - (ii) DSX-1: CCITT G.823, AT&T Pub 62411, Bellcore: TR-TSY-000499;
- (h) Digital Line Interface:
 - (i) Digital interface: DSX-1;
 - (ii) T1 Connector: RJ-45 Female and DB-9 female;
 - (iii) T1 Line Code: B8ZS or AMI selectable;
- (i) Power:
 - (i) DC power +/- 20 to +/- 63 Volts, < 45 watts;
 - (ii) Optional AC Adapter 100-250 Volts, 50-60 Hz;

- (j) Environment:
 - (i) Operational temperature –30 deg C to +65 deg C;
 - (ii) Humidity 0 to 95% non-condensing;
 - (iii) Physical size maximum (WxHxD) 1.72 x 3.5 x 14.5 inches;
 - (iv) Maximum weight 11lbs;
 - (v) Mounting EIA Rack Mount: 19 inch width, maximum 2-unit height with mounting brackets;
 - (k) Frequency Channel Plans (mhz) a1 5735, b1 5755, c1 5775, a2 5800, b2 5820, c2 5840
 - (i) Plans must be changeable in the radios to all above plans with screw in parts changing.
- E2.5 Item No. 4 - LYNX.SC6 (T1)SS RADIO, 5.8 B2 shall be Proxim part number: WWM58-31000B2 or equivalent with the following salient features:
- (a) Antenna connector N-Type Female;
 - (b) Full Output Power $\geq +20\text{dBm}$, Minimum;
 - (c) RF Attenuation Range 20dB, minimum;
 - (d) Maximum receive level -5dBm , error-free;
 - (e) Processing gain 10dB, minimum;
 - (f) Transmission delay 10-mile path 550 us, maximum;
 - (g) Regulatory Compliance:
 - (i) Canada: IC RSS 210/139;
 - (ii) DSX-1: CCITT G.823, AT&T Pub 62411, Bellcore: TR-TSY-000499;
 - (h) Digital Line Interface:
 - (i) Digital interface: DSX-1;
 - (ii) T1 Connector: RJ-45 Female and DB-9 female;
 - (iii) T1 Line Code: B8ZS or AMI selectable;
 - (i) Power:
 - (i) DC power +/- 20 to +/- 63 Volts, < 45 watts;
 - (ii) Optional AC Adapter 100-250 Volts, 50-60 Hz;
 - (j) Environment:
 - (i) Operational temperature –30 deg C to +65 deg C;
 - (ii) Humidity 0 to 95% non-condensing;
 - (iii) Physical size maximum (WxHxD) 1.72 x 3.5 x 14.5 inches;
 - (iv) Maximum weight 11lbs;
 - (v) Mounting EIA Rack Mount: 19 inch width, maximum 2-unit height with mounting brackets;
 - (k) Frequency Channel Plans (mhz) a1 5735, b1 5755, c1 5775, a2 5800, b2 5820, c2 5840
 - (i) Plans must be changeable in the radios to all above plans with screw in parts changing.
- E2.6 Item No. 5 - AC/DC CONVERTER shall be Proxim part number: WWMACDC-10 or equivalent with the following salient features:
- (a) input voltage 100-250 Volts AC;
 - (b) Operational temperature –30 deg C to +65 deg C;
 - (c) Humidity 0 to 95% non-condensing.

E3. DELIVERY

- E3.1 Goods shall be delivered within twenty one (21) Calendar Days of the award of Contract, f.o.b. destination, freight prepaid.
- E3.2 Goods shall be delivered between 8:30 a.m. and 4:30 p.m. on Business Days.