

### 3.3. EUT'S TECHNICAL SPECIFICATIONS

| TRANSMITTER                     |                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment Type:                 | <input type="checkbox"/> Portable<br><input checked="" type="checkbox"/> Mobile<br><input checked="" type="checkbox"/> Base Station (fixed use)                         |
| Intended Operating Environment: | <input type="checkbox"/> Residential<br><input checked="" type="checkbox"/> Commercial, light industry & heavy industry                                                 |
| Power Supply Requirement:       | 13.8 Vdc nominal                                                                                                                                                        |
| RF Output Power Rating:         | 1 Watt                                                                                                                                                                  |
| Operating Frequency Range:      | 902.2 - 927.8 MHz                                                                                                                                                       |
| RF Output Impedance:            | 50 Ohms                                                                                                                                                                 |
| Channel Spacing:                | 200 kHz                                                                                                                                                                 |
| Duty Cycle:                     | Continuous                                                                                                                                                              |
| 20 dB Bandwidth:                | 118.6 kHz                                                                                                                                                               |
| Modulation Type:                | CPFSK                                                                                                                                                                   |
| Channel Occupancy:              | 23 msec within 20 second period                                                                                                                                         |
| Emission Designation:           | Frequency Hopping Spread Spectrum                                                                                                                                       |
| Oscillator Frequency(ies):      | TCXO 16MHz, L.O. – 110.7MHz, 2 <sup>nd</sup> L.O. 100MHz                                                                                                                |
| Antenna Connector Type:         | Non-integral, Standard TNC connector (Professional Installation). Please refer to User Manual for detailed instruction of antenna installation and RF Exposure Warning. |
| Antenna Description:            | Manufacturer: MDS ClearWave Antennas<br>Type: Yagi<br>P/N: 97-3662A13<br>Frequency Range: 890 – 960 MHz<br>In/Out Impedance: 50 Ohms<br>Gain: 4 dBd                     |

### 3.4. LIST OF EUT'S PORTS

| Port Number | EUT's Port Description | Number of Identical Ports | Connector Type | Cable Type (Shielded/Non-shielded) |
|-------------|------------------------|---------------------------|----------------|------------------------------------|
| 1           | LAN                    | 1                         | RJ-45 Ethernet | Non-Shielded                       |
| 2           | COM                    | 1                         | DB9 Female     | Shielded                           |
| 3           | Antenna                | 1                         | TNC            | Shielded                           |
| 4           | Power                  | 1                         | 2 Pin Inline   | Non-Shielded                       |

#### ULTRATECH GROUP OF LABS

3000 Bristol Circle, Oakville, Ontario, Canada L6H 6G4  
Tel. #: 905-829-1570, Fax. #: 905-829-8050, Email: [vic@ultratech-labs.com](mailto:vic@ultratech-labs.com), Website: <http://www.ultratech-labs.com>

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- Assessed by ITI (UK) Competent Body, NVLAP (USA) Accreditation Body & ACA/AUSTEL (Australia), VCCI (Japan)
- Accredited by Industry Canada (Canada) under ACC-LAB (Europe/Canada MRA and APEC/Canada MRA)
- Recognized/Listed by FCC (USA)
- All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)