

July 08, 2005

1 OPERATIONAL DESCRIPTION

DESCRIPTION OF EQUIPMENT

FCC Section 2.1033 (c)

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| 1) Type of Emission: (c)(4) | 5M00W7W
QPSK, 16 / 64 COFDM; DVB-H 5MHz channel;
Compliant to ETSI EN300 744 & EN302 304 |
| 2) Frequency Range: (c)(5) | 1670-1675 MHz |
| 3) Operating Range: (c)(6) | 25 – 200 watts (model dependant) |
| 4) Power Rating: (c)(7) | 200 watts average with COFDM modulation |
| 5) Variation of output power (c)(6) | See calibration section 10 of technical manual |
| 6) E & I on Final: (c)(8) | |
| Drain voltage | 12V |
| Drain current | ≅10A per device @ nominal power (current is a function of driving power) |
| Tune-up Procedures: (c)(9) | See calibration section 10 of technical manual |
| 7) Function of Active Devices: (c)(10) | |

A list of active devices in the RF chain(s) of the LBD-125C-N1 transmitter can be found in DOC#36-0024 tune-up section. The relative position of each device may be found by referring to the block diagrams and schematics found in the technical manual.

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| ⊞ Frequency Stability Devices: | See technical manual, sections (GPS RCVR), (OCXO), & (synthesizer) |
| ⊞ Spurious Suppression Circuits: | See technical manual, section mask filter description |
| ⊞ Describe Limiters: | |
| Modulation: | N/A |
| Power: | See technical manual, section 10 |