

COM DEV/REC
 April 4, 2002
 FCC 731

Electronic
 FCC §2.1033 (c)

APPLICATION FOR CERTIFICATION
 NetLink Terminal (NLT)

This application is submitted to the Federal Communications Commission (FCC) for an Equipment Authorization. The device falls under FCC Rules as a Broadband PCS subject to Subpart C & E with Certification procedures required in FCC §24.51. Certification procedures are defined in FCC Part 2 Subpart J §2.1031 for certification as specified in §24.51(a)(b)(c) and §24.52 R. F. Hazards. This application for certification is contained in §2.1033:

“Application for Certification.” §2.1033

¶

- (a) See FCC 731 filed electronically
- (b) Section (b) is not applicable
- (c) Certification Technical Report required for NLT follows:

- | | |
|--|---|
| (1) Applicant & Manufacturer: | FRN #0005-0583-00
COM DEV Broadband
805 Aerovista Place
San Luis Obispo, CA 93401
Voice: (805) 544-1089
Fax: (805) 544-2055
e-mail:
norwoodpatterson@msn.com
Voice: (805) 528-1996
Fax: (805) 528-1982 |
| (2) FCC Identifier | JJA-9001000101 |
| (3) Copy of Operation Manual | See Exhibit A |
| (4) Type of Emissions | Emission Designator 1M40F7D
(See Exhibit J2 Pg.1) |
| (5) Frequency Range
Netlink Terminal (NLT) | 1.850 TO 1.910 GHz |
| (6) Range of Operating
Power levels
Meas. For varying operating power: | 23 dBm / 199.53 milli-watts
.1995 watts (EIRP = 0.962 Watts)
Measured at RF amp external antenna
terminal |

- (7) Maximum Power as defined in applicable part of rules §24.232 Mobile Stations are limited to 2-Watts eirp Max. Po measured at antenna terminal.

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- (8) DC Voltage applied & DC current into the several elements of final radio frequency amplifier device See Exhibit C: Supply Voltage 24 Vdc current vs power

- (9) Tune up procedures over the power range or at a specified operating power Ex D omitted
No tune-up required

- (10) Schematic Diagram and a description of all circuitry and devices for determining and stabilizing frequency for See Exhibit E Schematic
See Exhibit F Frequency

Stability

suspension of radiation

For limiting modulation See Exhibit G Modulation

Limit

- (11) Photo or drawing of equipment See Exhibit H: FCC ID Label

identification plate or label showing information to be placed thereon NLT
Netlink Terminal

- (12) Photos 8x10 of Equipment See Exhibit I

- (13) For equipment employing digital modulation techniques, a detailed description of modulating systems to be used including response characteristics, frequency, phase and amplitude See Exhibit B

- (14) Data Required by FCC §:
2.1046 RF Po output See Exhibit J1 (Ex. J1 is ¶ 6 above & Ex. C)
2.1047 Mod. Characteristics J2
2.1049 Occupied Bandwidth J3
2.1051 Spurious Conducted J4
2.1053 Spurious Radiated J5
2.1055 Freq. Stability (see §24.235) J6
2.1057 Freq. Spectrum to 10th harmonic 20 GHz

- (15) External RF Amplifier Not applicable

(16) AM Broadcast Stereo

Not applicable

(17) Single Application

Not applicable: many identical units will be manufactured and sold.

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§2.1041 Measurement Procedures

See Exhibit K

Equipment Used

See Exhibit L

Anti-Drug Statement

See Exhibit M

Option Two (2) Carriers

Exhibit N not applicable

Option Outdoor Cabinet

Exhibit O not applicable

RF Exposure

See Exhibit P

Letter of Authorization

See Exhibit Q

Letter of Compliance

See Exhibit R

Request for Confidentiality

See Attachment #1 Revised 6/25/02