

EXHIBIT 3

MANUFACTURING AND PRODUCT INFORMATION

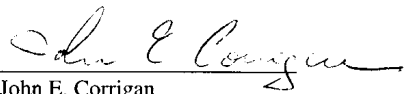
MANUFACTURING AND PRODUCT INFORMATION:

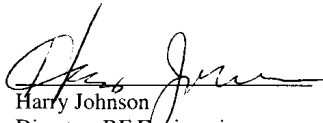
Type of Authorization: Type acceptance of a HUB
FCC Identifier: K3Y-38HL-001
Applicable FCC RULES: FCC Part 2 and Part 101
Manufacturer: Hughes Network Systems
11717 Exploration Lane
Germantown, MD 20876
Applicant's Relationship to MFR: same
Quantity Production Planned: yes
Testing Dates: Nov 10 -Dec 17, 1999
Manufacturer's Representative: Mr. John Corrigan

Engineering Statement

I hereby attest that the measurements shown in this report were made in accordance with the procedures indicated, and that the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them.

I further attest that, on the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of Part 101 of the FCC Rules under normal use and maintenance.


John E. Corrigan
Sr. Vice President
Hughes Network Systems


Harry Johnson
Director, RF Engineering
Hughes Network Systems

Manufacturer's Statement Regarding Modifications

I hereby attest that the product will be manufactured with all modifications for Part 101 compliance as submitted in this report.

A handwritten signature in black ink, appearing to read "H. N. Ghosh", is written over a horizontal line.

Hitendra Ghosh
Vice President, Quality
Hughes Network Systems