



January 20, 2009

Re: Hughes Network Systems

FCC ID: K3YHNS0100

[Answers to ATCB comments on the above referenced Application.](#)

1. Please disassemble the device sufficiently to show top and bottom of all boards in the EUT. Currently the internal photos do not show all sides of all boards.

[Refer to "Photographs - Internal.pdf - Rev. A1 \(1 of 2\) & \(2 of 2\).pdf" exhibit.](#)

2. Please provide a label sample that includes the FCC ID number.

[Refer to "Label \(K3YHNS0100\).pdf" exhibit.](#)

3. Please note that the operational description, while giving certain information about the location of the device and the overall configuration in a mobile setup, and while the amplifier information give adequate information on the amplifiers, the current documentation does not provide much on the actual operational description of the transmitter itself. Please explain and provide a more adequate description of the transmitter.

[Refer to "5a1a.pdf" & "gmr-module-RF-HLD-v1.0_TZ.pdf" exhibit.](#)

4. Please note that while a tune up procedure has been provided, the other document in the parts list directory "Confidential_antenna_TX_path" there is no actual parts list. Please note that this is a required exhibit. Please provide the parts list for this device. If the schematics are to be used as the parts list, please clarify.

[Refer to "Parts List.pdf" exhibit.](#)

5. Please correct the 731 to show the lower and upper center frequencies instead of the entire band.

[Refer to "Form 731 \(25-TNB\) - Rev A1.pdf" exhibit.](#)

6. Please note that I do not see modulation content in the emissions mask plots. Please verify that the device was properly modulated during this test. Please explain the modulation applied.

[Refer to "Test Report - \(Pt 25\) - Rev. A3.pdf" pages 29-31.](#)

7. Please note that part of the application states that Part 15 is also in the submittal. However, there are no test data for part 15. Is this a part 15 verified device? Please explain.

[Refer to "Test Report \(Pt 15B\).pdf" & "Form 731 \(Pt 15B-JBP\).pdf" exhibit.](#)