

Hello Barry-

Here are our responses to your email from last week. Let me know if you need anything else.

Chris

1. Please present calculation steps for RF exposure (MPE calculation). Provide antenna gain and output power for the transmitter in the calculation.

Answer: Please see attached two word files for MPE Prediction

2. Please supply the antenna manufacturers data sheet documenting the antenna gain.

Answer: We manufacture the dish antenna and patch antenna here in our factory. The specifications is attached showing the performance of the antennas. The patch is an internal antenna not removable by the customer.

3. Please supply data response to the Part 15.31(e) requirements.

Answer: This data was already supplied with the original application; however it is attached below for reference.

4. The following RF exposure statement is required in the manual, - "IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements, the following antenna installation and device operating configurations must be satisfied - ....."

Answer: The manuals have been updated with the appropriate statements and are attached below:"

5. The processing gain data does not appear to correspond to the test method written down. PER should always be 8% and the S/J should be the repeated data. Why is PER repeated as data? Please explain. The Intersil chipset is capable of 4 data rates. Which data rates is the device capable of using?

Answer: The device only uses the 11 Mbit/s data rate. The test has been changed to show the S/J as the data per the written test method and the data is presented below.

6. Please provide processing gain data for a low, mid and high channel.

Answer: See attached data on excel spreadsheets for low mid and high channels

-----Original Message-----

**From:** Certification Manager [mailto:certification@curtis-straus.com]

**Sent:** Thursday, August 16, 2001 12:02 PM

**To:** Christopher Gustaf

**Subject:** FCC ID: NCYM5800SBAP60

Hi Chris,

The following issues were identified during our review of the application:

1. Please present calculation steps for RF exposure (MPE calculation). Provide antenna gain and output power for the transmitter in the calculation.
2. Please supply the antenna manufacturers data sheet documenting the antenna gain.
3. Please supply data response to the Part 15.31(e) requirements.
4. The following RF exposure statement is required in the manual, -  
"IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements, the following antenna installation and device operating configurations must be satisfied - ....."
5. The processing gain data does not appear to correspond to the test method written down. PER should always be 8% and the S/J should be the repeated data. Why is PER repeated as data? Please explain. The Intersil chipset is capable of 4 data rates. Which data rates is the device capable of using?
6. Please provide processing gain data for a low, mid and high channel.

Best regards

Barry C. Quinlan  
Certification & Telecom Manager

-----  
Curtis-Straus LLC    Voice: 978.486.8880 x270  
527 Great Road      Fax: 978.486.8828  
Littleton, MA 01460   <http://www.curtis-straus.com>  
-----