

Certification Management and Testing
Stephen Walmsley

January 24, 2006

RE: QEYRM-158_ATCB003041

Dear Mr. Ward,

I am responding with answers to your December 23 letter:

1. Please confirm that this application does not contain 15B certification.

[15B Certification is not requested.](#)

2. Please note that the 20dB bandwidth of the device was incorrectly measured on page 14 of the report. The 20dB point should encompass the entire transmitter signal and not the first points that are 20dB down. Please note that the 20dB down points shown in the plot are at the first 20dB point and does not show the two spikes from the transmitter 500kHz away from the center frequency. Please note that as these are rather significant 'spikes' they contribute to the total power of the device and need to be considered in the 20dBc or the 99% power points of the device. Please restate the 20dB points in the plot to approximate the correct bandwidth (i.e. it appears to be approximately 960 kHz to 1MHz – which is closer to a typical BT 20dB bandwidth).

[I have requested retesting and a new test report from the Copenhagen lab. In the signature file, the date is January 20, 2006. I have downloaded this test report \(1031_RM-158_15C_Cph_FCC_0602_02_2.pdf\) to the ATCB website.](#)

3. Please note that the maximum time of occupancy for a typical BT transmitter is between 300 and 360ms. While the report provides the dwell time for one mode of operation, it does not provide the maximum dwell associated with a BT transmitter (i.e. DH5). Please explain and please provide appropriate dwell data expected for a BT device.

[The new Bluetooth chipset \(version 1.2\) supports adaptive frequency hopping. That feature allows modification of the hopping sequence to avoid interference on certain channels. For that reason, the dwell time on any selected channel may vary thus not giving the expected value.](#)

4. FYI – no action needed. Please note tht while the IC reference table shows the use of RSS210 Issue 6, the IC application form states RSS210 issue 5.

Regards,

Stephen Walmsley

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