

## Correspondence Summary Q & A

October 23, 2003

SUBJECT: DATAWAVE TECHNOLOGIES - FCC ID: Q4NM1700

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### TCB Question:

Form 731: Please, provide the frequency tolerance and emission designator according to the measurement data in the test report. (Notes: The necessary bandwidth is to be calculated using the Carson's rules according to Part 2. and the measurement data per Part 2.1047 (a)(b), and (d))

### Applicant Answer:

#### Item 6

The peak deviation frequency is 4MHz and the modulating frequency is 4.42MHz.

Carson rule for necessary bandwidth is given below:

$$B_n = 2M + 2D$$

Where:

$B_n$  = Necessary Bandwidth

$M$  = the modulation frequency: 4.42MHz in this case

$D$  = the deviation frequency: 4MHz in the case

$$\text{Therefore: } B_n = 2(4 + 4.42) = 16.84\text{MHz}$$

Emission Designator: 16M8F87

A new Form 731 has been uploaded with the correct designator.

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