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Report number 2002112
FCC Part 15.247
Industry Canada RSS-210
FCC ID I28-QL320352
M/N QL320

APPENDIX C: ANTENNA SPECIFICATIONS

Please see the following page.



Zebra Technologies Corporation

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5/21/2002

Office of Engineering and Technology Laboratory
Federal Communications Commission
7435 Oakland Mills Rd
Columbia, MD 21046-1609

Dear Sir/Madam,

In reference to the application under FCC ID: I28-QL320352, measurement of the antenna gain was performed here at Zebra Technologies as described below. This antenna is Zebra part number CQ16343-1 and the results are as follows:

- 1) Maximum gain = 4.1 dBi
- 2) Minimum gain = -19.7 dBi
- 3) Average gain = -9.6 dBi

The gain of the CQ16343-1 antenna was measured by comparing field strength readings against a calibrated source antenna at a 3-meter separation using a mid-band frequency (channel 6).

Source antenna: AH Systems Model SAS-200/511
Receiver antenna: AH Systems Model SAS-200/510
Spectrum analyzer: HP Model 8593E

Sincerely,

Robert D. Heon
Project Manager, New Product Development
Zebra Technologies Corporation
