

Rhein Tech Laboratories  
360 Herndon Parkway, Suite 1400  
Herndon, VA 20170  
<http://www.rheintech.com>

Report number 2002112  
FCC Part 15.247  
Industry Canada RSS-210  
FCC ID I28QL320352  
M/N QL320

## **APPENDIX C: ANTENNA SPECIFICATIONS**

Please see the following page.



**Zebra Technologies Corporation**

30 Plan Way  
Warwick, RI 02886 U.S.A.  
Telephone +1401.739.5800 / 800.556.7266  
Facsimile +1.401.732.7808  
www.zebra.com

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

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