



#### **FIELD STRENGTH OF SIDEBAND EMISSION**

All four models utilized the Cirronet WIT 608 Module. All four were scanned and the sideband emission measured represented the worst case emission for models DT-4500, DT-7000, DR-10000, and DR-10100. The following test data is submitted for BQI01DT-4500, BQI02DT-7000, BQI01DR-10000, and BQI02DR-10100 Permissive Change Applications.

**Table 1  
FIELD STRENGTH OF SIDEBAND EMISSION**

**Test Date:** January 23, 2004  
**UST Project:** 03-0375, 03-0376, 03-0377, 04-0009, 04-0010  
**Customer:** Data Critical Corporation  
**Model:** DT-4500, DT-7000, DR-10000, DR-10100

FREQ. (MHz)	TEST DATA (dBm) @ 3m	ANTENNA FACTOR + CABLE ATTENUATION	RESULTS (uV/m) @ 3m	QP FCC LIMITS (uV/m) @ 3m	Margin (dB)
607.9453	-89.46	25.0	134.4	200	3.5
614.0180	-88.02	25.1	160.4	200	1.9

**Note:** Due to the bandwidth of a QP detector, actual QP measurements could not be made at the bandedge. Therefore, bandedge measurements were made using a peak detector RBW > than 1% of the signal bandwidth and adjusted by a QP factor determined at the fundamental.

**SAMPLE CALCULATIONS:**

**RESULTS uV/m @ 3m = Antilog ((-89.46 + 25.0 + 107)/20) = 134.4**  
**CONVERSION FROM dBm TO dBuV = 107 dB**

**Test Results**  
**Reviewed By:**  **Name:** David Blethen