



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
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