Nortel BWA Type Acceptance Radio Transceiver Test Report Addendum

Product Description:	28 GHz Base Station (CTR)
Model:	CTR2800
Nortel BWA File #	OHOCTR2807NT

CHARLIE BISHOP PI ENGINEER

DATE JUN 24, 1999

WINNIPEG,

DECLARATION BY Nortel Networks BWA

The tests were performed on June 24,1999 at the Nortel Networks BWA's Laboratory in Winnipeg and is an addendum to the Test Report submitted earlier. This addendum shows compliance for the spectral mask

The following personnel collaborated to this project:

Charlie Bishop, PI Engineer

Testing was performed and supervised by the undersigned. The test supervisor attests to the accuracy of the test data recorded in this report.

by: Charlie Bishop Date June 24, 1999

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The results presented in this report refer only to the product(s) described in section 1.

All equipment and instrumentation used during this test have been verified and/or calibrated. All calibration certificates are traceable to the National Research Council of Canada (CNRC) and/or to the American National Institute of Standards and Technology (NIST) standards and can be provided on request.

Nortel BWA is registered ISO 9002:1998, certificate # 766.2.

SPECTRAL MASK TEST

Tested by:	Charlie Bishop
Date:	June 24,1999

Test Conditions

Temperature	25C,
Primary Voltage	18VDC

Minimum Specifications

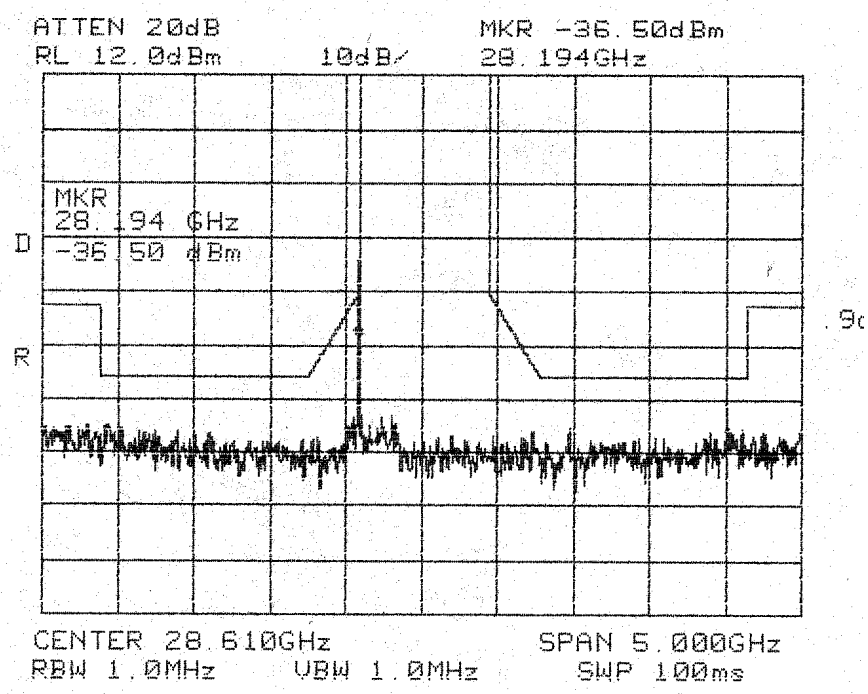
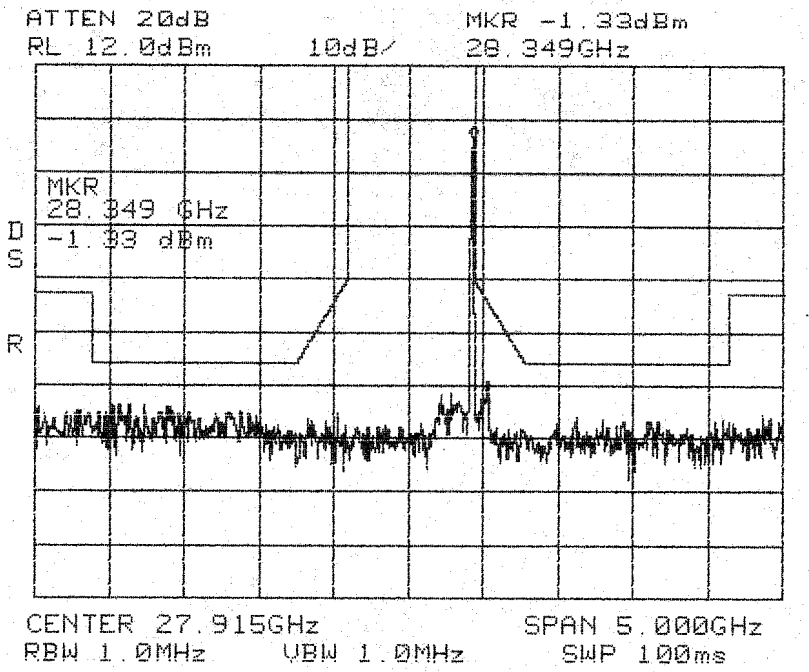
As specified in FCC part 101.111(a)(2)(ii)

Test Method

Nortel processing equipment stimulated the CTR with digitally modulated 16 QAM signal. The modulator output signals are then combined, through a passive combiner, and fed into the input to the BTR. The output is examined directly by a spectrum analyzer and the data trace is compared against the spectrum analyzer limits.

The CTR should transmit 28200 to 28350MHz in the bandwidth of 850MHz

No changes were made to the equipment under test. The correct measurement method was used along with the verification of the correct level of modulator stimulus applied

CTR 2800, 2 carrier QAM 16 modulated - In-band carriers

The emission showing amplitude and angle-modulated (D) with two or more channels (7) which could contain data or telephony (W). The signal has a maximum occupied bandwidth of 40MHz. (40M0). Equipment Type 40M0D7W
The following pictures show 2 – 10MHz carriers across the minimum, and maximum of the 850MHz band. The symbol rate is 7.968Msps