To: Mr. Tim Johnson, American TCB
From: David Waitt
Subject: FCC_RVW2231 , IC #: 332R-2231 Class II Permissive Change / Reassessment

Date: 8 January, 2005

Attached you will find a Class II Permissive change request for Nortel FCC ID RVW2230. The purpose of this permissive change request is to:

Authorize additional external antennas for use with the access point radio.

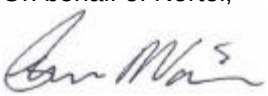
The table below outlines the additional antennas. The two antennas actually tested were the:
S2403BHN36RTN
S2409PN36RTN
Since they are the highest gain antenna of each type. It is only necessary to test the highest gain antenna of each type that will be used.
Additionally, all of the requested panel antennas, with the exception of the S2409PN36RTN, are of lower gain than the internal antennas that the unit was originally certified with.

The **S2402DSN36RTN** and the **S2406DSPN36RTN** are simply dual versions of the 2402 and 2406 antennas. They are simply two antennas in the same housing for antenna diversity applications.

Cushcraft Part number	Freq Band (GHz)	Net Gain (dBi)	Antenna Type	Description
S2403BHN36RTN	**2.4-2.5**	**4.5**	**Dipole**	**Colinear Omin, 2 colocated dipoles**
RTN2400MRA	2.4-2.5	2.0	Dipole	Omni directional dipole antenna
S2409PN36RTN	**2.4-2.5**	**8.8**	**Panel**	**Panel, high gain**
SQ2405DDN36RTN	2.4-2.5	4.5	Panel	Panel, similar to S2409PN
SL2402PN36RTN	2.4-2.5	2.5	Panel	Panel, similar to S2409PN
S2402DSN36RTN	2.4-2.5	2.0	Panel	Dual 2402 Panel
S2406PN36RTN	2.4-2.5	6.0	Panel	Panel, similar to S2409PN
S2406DSPN36RTN	2.4-2.5	6.5	Panel	Dual 2406 Panel
SQ2403PN36RTNMO	2.4-2.5	3.5	Panel	Panel, similar to SL2402

If there are any questions or concerns, please do not hesitate to contact me at the email address below.

On behalf of Nortel,



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