



To: Federal Communications Commission
 Industrie Canada
 From: Nortel Networks
 Subject: Permissive Change Request
FCC ID: RVW2230W
IC: 332R-2230W
 Date: 28 Feb 2005

Gentlemen,

A Class II Permissive change is being requested to Nortel's previously approved 802.11 A/B/G access point; FCC ID RVW2230W , IC: 332R-2230W

The requested changed cover with this permissive change application are:

- Add additional external antennas of higher gain and / or different types that the product was originally certified for.
- Reclassify the operation of the device in the 5.725 – 5.825 GHz from UNII (FCC 15.407) to ISM (FCC 15.247).


With this permissive change the entire band from 5.725 – 5.850 GHz will operate under the ISM rules .

An outline of the requested antennas is in the table below.

Mfg	Mfg PN	Freq Band (MHz)	Net Gain (dBi)	Type	Comment	C2PC Tested
MaxRad	MFB58009	5.725 - 5.875	9.0	Omni	Omni directional	YES
Cushcraft	SQ5723PN36RTN	5.725-5.875	3.1	Omni	Classified as Omni	Covered with MaxRad MFB58009
Cushcraft	SQ5153PN36RTN	5.15-5.35	3.1	Omni	Classified as Omni	Covered with S5153WPBX Testing
Cushcraft	SQ5153WP36RTN	5.15-5.875	3.0	Omni	Classified as Omni	Covered with S5153WPBX Testing
Cushcraft	S5703BHN36RTN	5.725-5.875	4.3	Omni	Omni directional	Covered with MaxRad MFB58009
Cushcraft	S5153WPBX36RTN	5.15-5.875	6.0	Omni	Omni directional	YES
Cushcraft	S5153BHN36RTN	5.15-5.35	4.3	Omni	Omni directional	Covered with S5153WPBX Testing
Cushcraft	RTN5150MRA	5.15-5.875	2.0	Omni	Omni directional	Covered with S5153WPBX Testing
Cushcraft	S51514WP36RTN	5.15-5.875	14.0	Patch	Patch Directional	YES
Cushcraft	S51512MPN36RTN	5.15-5.35	12.0	Patch	Patch Directional	Covered with S51514WP Testing
Cushcraft	S57212MPN36RTN	5.725-5.875	12.0	Patch	Patch Directional	Covered with S51514WP Testing
Max Rad	MFB24008NM	2.4 - 2.5	8.0	Omni	Omni Directional	YES
Cushcraft	S2403BHN36RTN	2.4 - 2.5	4.5	Omni	Omni Directional	Covered with MFB24008 Testing
Cushcraft	RTN2400MRA	2.4 - 2.5	2.0	Omni	Omni Directional	Covered with MFB24008 Testing
Maxrad	MP24103XFPTMSMA	2.4 - 2.5	13.0	Panel	Panel	YES
Cushcraft	SL2402PN36RTN	2.4 - 2.5	2.0	Panel	Panel	Covered with MP24103XFPTesting
Cushcraft	S2402DSN36RTN	2.4 - 2.5	2.0	Panel	Dual 2402 Panel	Covered with MP24103XFPTesting
Cushcraft	S2406PN36RTN	2.4 - 2.5	5.5	Panel	Panel	Covered with MP24103XFPTesting
Cushcraft	S2406DSPN36RTN	2.4 - 2.5	6.5	Panel	Dual 2406 Panel	Covered with MP24103XFPTesting
Cushcraft	S2409PN36RTN	2.4 - 2.5	8.8	Panel	Panel	Covered with MP24103XFPTesting
Cushcraft	SQ2403PN36RTNMO	2.4 - 2.5	3.0	Unique	Unique pattern	YES

The antennas that were tested as part of this permissive change request were chosen based on the policy of having to test with the highest gain antenna of each type with similar operating bands.

If any further information is required, please do not hesitate to contact me at the email address below.

A handwritten signature in black ink, appearing to read "David Waitt". The signature is fluid and cursive, with a prominent loop at the end.

David Waitt
Consultant representing Nortel
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