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13 Dec , 2003

TO: Mr. Tim Johnson
American Telecommunications Certification Body Inc.
6731 Whittier Ave, McLean, VA 22101

RE: Airespace FCC ID: QTZWN1200BG

Tim,
Below are the replies to your inquiries regarding this application. If something is unclear, or if you have additional concerns, please contact me.

Best Regards,

David Waitt
Consultant representing Airespace
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ATCB 1) The values listed for power on page 22 of the 802.11b/g report appears lower than the measured power. Please provide an explanation.

Airespace: This is simply a function of number of points on the trace of the spectrum analyzer and the span of the sweep. Assuming there are finite number points in the spectrum analyzer sweep, with a span of 23970MHz, a trace point may not fall on the peak of the carrier. Thus, fundamental appears lower than it actually is.

ATCB 2) Please provide an explanation of the high emissions seen below the fundamental on page 23 of the 802.11b/g report. This emissions could be seen as above the limit.

Airespace: This is an artifact of the spectrum analyzer. It is the “zero frequency” of the spectrum analyzer.

ATCB 3) The bandedge plots do not appear to follow the method given. Please review and adjust as necessary. (see QTZWNAP1200B)

Airespace: The Bandedge measurements for 802.11 G have been adjusted. The 802.11 B measurements remain the same was used in previous Airespace B applications. The 802.11 G band edge presents the worst case results. In the future, Plots for the data for the ‘B’ mode of operation will reflect the provided test procedure.

ATCB 4) Please note that radiated emissions in restricted bands are considered to be any emission caused by the transmitter being turned on, not strictly the harmonics. This includes such emissions as LO's, intermod products, frequencies as part of any multiplication stages, etc. However radiated emissions only appear to be performed for > 4800 MHz.

Airespace: No emissions were noticeable above 12 GHz. The entire frequency range was scanned (above 1 GHz); however, the only significant emissions during the radiated tests appeared to be harmonics of the fundamental.