



May 3, 2007

American TCB
6731 Whittier Ave
Suite C110
McLean, VA 22101
Attn: Mr. Timothy R. Johnson, Examining Engineer

RE: your e-mail dated April 13, 2007; Radwin Ltd.

FCC ID: Q3KAMWL1240, **ATCB004671**
Revised ID: **FCC ID:Q3KAMWL1240H**

Dear Mr. Johnson,
Please find below the answers to your questions.

- 1) The revised files "Internal_photos_17421_revisedID" and "Internal_photos_RFcard_17421_revisedID" without black squares and without request for confidentiality were uploaded on May 3, 2007 via Internal Photos folder.
A revised confidentiality letter "Confidentiality_letter_revisedID" was uploaded on May 3, 2007 via Additional Information folder.
- 2) The internal RF card is purchased by Radwin, so its operation was not explained in the block diagram. The data sheet for RF module operating in 2412-2462 MHz range, used in WinLink 1000/F24/HE system, file "RF_module_datasheet_17421_revisedID" was uploaded May 3, 2007 via Block Diagram folder.
- 3) The operational description is issued by Radwin as common data sheet for all WinLink 1000 products family, please refer only to the 2.4 GHz frequency band (the RF module used in WinLink 1000/F24/HE system operates in 2412-2462 MHz range).
- 4) The User Manual provides information of all WinLink1000 products family. Please refer only to the 2.4 GHz FCC radio band.
- 5) Operational description was corrected, file "Operational_description_17421_revisedID" was uploaded on May 3, 2007.
- 6) File "Professional_Installation_letter_17421_revisedID" was uploaded on May 3, 2007 via Additional Information folder.
- 7) The device was terminated during CE test. The enlarged photo added. The file "Setup_photos_17421_revisedID" was uploaded on May 3, 2007.
- 8) Please refer to page 5-20, last question, of the revised file "User_manual_17421_part2_revisedID".
- 9) The software interface limits the transmission power to the maximum value determined by the product type.
- 10) The following test procedure was used. The rate VBW/resolution bandwidth of spectrum analyzer was set to 10 (3 MHz/300 kHz). The integration was performed using the spectrum analyzer's band power measurement function with band limits set equal to the EBW band edges. The maximum peak output power was computed by integrating the spectrum across the 6 dB entire bandwidth of the EUT. The test report section 7.2 was revised. The corrected test report RADRAD_FCC.17421_rev2 was uploaded on May 3, 2007.
- 11) An additional note was included into corrected test report RADRAD_FCC.17421_rev2.



- 12) Measurement results (plots) provided on pages 111-116 and 85-110 were taken with the different measurement set up. Pages 111-116 demonstrate radiated emission found out during maximization with antenna height and turn table azimuth. Signal to noise ratio is better on these plots due to narrow span and use of high gain LNAs. Pages 85-110 demonstrate the relatively wide portions of spectrum which cannot be taken with high gain LNAs due to overloads. That is why the noise floor is higher on these plots. Actually the results measured with marker should be compared. The duty cycle was set to 100% during the tests.
- 13) An additional note below plots 7.5.7 – 7.5.9 was included into corrected test report RADRAD_FCC.17421_rev2. This emission originates from the external auxiliary equipment which powers the EUT. We have discovered this later on during the final measurements at the OATS and applied better filtering of DC voltage from external auxiliary equipment to the EUT. The Table 7.5.4 was corrected for 3 m distance test results.
- 14) Measurement results (plots) provide on pages 128-154 and 155-160 were taken with the different measurement set up. Pages 155-160 demonstrate radiated emission found out during maximization with antenna height and turn table azimuth. Signal to noise ratio is better on these plots due to narrow span and use of high gain LNAs. Pages 128-154 demonstrate the relatively wide portions of spectrum which cannot be taken with high gain LNAs due to overloads. That is why the noise floor is higher on these plots. Actually the results measured with marker should be compared.
- 15) Additionally the documents with revised ID (cover letter, ATCB Form 731, Label location, external photos, RF_evaluation) were uploaded on May 3, 2007 via appropriate folders.

Sincerely,

Marina Cherniavsky,
certification engineer
Hermon Laboratories