

Answers related to ATCB comments from 09 April 2005.

- 1) Please see updated user manual. The attached user manual referring all family products.
- 2) Please see updated user manual. The attached user manual referring all family products.
- 3) Please see updated user manual. The attached user manual referring all family products.
- 4) The product delivers only with factory setup radio parameter that set during the compliance test and according to the final test report. The user cannot select frequencies out of the product band, in any cases (i.e. Manual mode) other frequencies blocked by the target software and by the NMS (Network management systems) and it impossible for user to make any change.
- 5) Please see update user manual on page 22. Page 22 describing the antenna parameters that use at various products of winlink1000 family.
Skill technicians must perform the installation. (see remark on page 24).
- 6) The product delivers only with the radio parameter that set during the compliance test and according to the final test report. The user cannot select 5xGHz frequency band, this band blocked by the target software and it impossible for user to make any change.
Additionally, in order to change the frequency from 2.4GHz band to 5xGHz band hardware changes must be done. (e.g. changing Tx RF BPF, using another power amplifier).
This change is not optional for the user and blocked by Hardware and Software product.
*** Enclosed the RF block diagram. ***
the major filter place close to the front antenna " RF FILTER"
- 7) Please see update user manual. The attached user manual referring all family products.
- 8) Please see page # 8 on the update user manual.
- 9) Radwin technical support group performing installation/maintains and operation training for all customers.
After the training each technician get official certificate from Radwin
Tech-support division.
*** Enclosed the official certificate. ***
- 10) *** Enclosed the updates internal view photos. ***
- 11) The answer response to unintentional 15.109 radiated emissions test only.
Accordingly, the test set up of unintentional radiator only is shown on photo #10.
Spurious emissions and harmonic emissions tests (15.209) were performed with attached antennas.

12) The results presented on section 5.1.4 are products of modulation and harmonics of local oscillator. There was not found any harmonic emissions of the carrier or it was on the noise floor level as you can see on the plots (even in conducted emission test according to 15.247(c), 5.1.3 section of test report).

13) Be informing please that during the test dish antenna was mounted vertically. Photograph #9 was made after the test when a support was removed.

*** Enclosed the updates photos of test set up. ***

14) For your information: maximum transmitter duty cycle in normal use is 50%. Power measurements were made in 100% duty cycle transmitting mode with HP 8481H power sensor based on thermocouple element. So, the power measurements that were made have the equal values for peak and average measurements.

The measurements according to 15.247 (d) are described in section 5.1.5. This test was performed using Spectrum Analyzer (Agilent manufacture, 8563E model). The results you can see on Plots A78-A95. A calculated limit on these plots (red line) is $8\text{dBm}-30\text{dBm}=-22\text{ dBm}$, because the EUT RF output was connected to the SA through 30dB external attenuator.

15) Following manufacture's declaration, WinLink- 1000 uses only a proprietary protocol; this protocol contains improved options that more efficiently support the clock reconstruction from the TDM services (see User Manual, Chapter 5, Section 5.5).

17) *** Enclosed the corrected IC Certification Number labeling. ***

18) Please see updated user manual (page 22). The attached user manual referring all family products.

19) Please see updated user manual. (page 22-23) The attached user manual referring all family products.