



Engineering and Testing for EMC and Safety Compliance

RE: Samsung Electronics Correspondence dated 6/10/02
FCC ID: A3LST10WLR

1) This application is for a complete computer which contains a built-in wireless LAN card. Consequently, I will need several exhibits of the entire product and not just the LAN card. Please provide a complete set of Internal Photographs, External Photographs, Schematics and Block Diagram.

Response: The notebook computer portion of this application was granted by ATCB under FCC ID: A3LST10 currently on file at the commission.

2) The Pout listed on Form 731 is incorrect. Under current FCC interpretations, Pout should be listed as conducted RF Pout. Please correct.

Response: Edited Form 731 is attached, reflecting correct Pout of 0.038 W.

3) It is unclear where the antennas for this product are located. If they are mounted on the internal base of the computer case it is unclear what the distance between the body and radiating structure may be. If it is within the 2.5cm restriction for devices which operate with 50mW, then we have a problem.

Response: The radiating antenna structure is installed in the upper half of the computer housing. The distance between the bottom of the computer base and the radiating structure, i.e. the TX Antenna, is greater than 2.5cm. The distance is 3cm to be exact. Please see the attached file with explanatory photograph.

4) Was this device tested in three orthogonal planes? Assuming antenna is horizontal with the based of the computer, the maximum radiated signal could be the computer on edge. Please review your Test Setup Photos and confirm that this is the maximum radiated position for this device.

Response: The EUT was tested in all three orthogonal planes. The EUT Test Photos do not always represent this position. The EUT's position is constantly being changed during testing. The data in the test report represents the worst-case emission for one of the orthogonal planes.