Re: FCC ID E2XSWL-2000P
Applicant: Samsung Electro Mechanics
Correspondence Reference Number: 10246
731 Confirmation Number: EA95172
Date of Original E-Mail: 10/19/1999

1)   The frequency range requested was 2411-2463 MHz. The frequency range in the manual is 2412-2484 MHz. The test report indicates 2411-2462 MHz. Please explain and correct the manual accordingly.

     The correct frequency range is 2411-2462 MHz. Please see revised Users Manual.

     **Also, Show compliance at the bandedge of 2400 MHz with the device on the lowest channel.

     Please see lowest bandedge.

2)   Who is the manufacturer of the Spread spectrum chip?

Harris

3)   The block diagram and schematics are unclear. Please provide a better version of them.

Please see attachments

4)   Provide a larger and clearer photo of both sides of the circuit board.

Please see attachments

5)   Remeasure processing gain using standard conducted tests as described in Appendix C of the Report & Order in ET Docket 96-8 (FCC 97-114). We do not accept radiated measurements for processing gain because there are too many variables for these measurements to be accurate.   Provide actual data or readings and a sample calculation of processing gain, after discarding the worst case 20 % of the readings. What is the BER? Justify the S/N ratio from the chosen BER using appropriate charts etc...

Please see the attached processing gain report from Harris

6)   With regard to the process gain, you did not indicate the theoretical process gain. What is the theoretical process gain? What is the Chip/symbol ration. If the Chip/symbol is less than 10 and it would not appear to meet the 10 dB processing gain requirement and the application should be denied. Please explain.

Please see the attached processing gain report from Harris