

This updated information is in response to questions raised by Joe Dichoso via email (correspondence reference number 14515).

1) You requested 40 mW while the device measured 20 mW. Please correct or test at the higher power.

This output power of this device is 20.4mW NOT 40mW as stated in the original application.

2) FYI, the device is a Class B device. Measurements with Class A limits especially the AC conducted measurements were submitted.

Here are the AC conducted measurements compared to the class B limits.

Conducted Emissions Chart						Curtis-Straus LLC						
Date: 20-Jan-00			Company: Zoom Telephonics			Table No: 2			Work Order: A0281			
Engineer: David Heald			EUT Desc: Model 2102			Notes:						
Range: 0.45 - 30.0 MHz			LISN(s): Blue Yellow-Black			Spectrum Analyzer: Blue						
Frequency (MHz)	Quasi-Peak			FCC Class B			Average			FCC Class B		
	L1 (dB μ V)	L2 (dB μ V)	Reading (dB μ V)	Limit (dB μ V)	Result (Pass/Fail)		L1 (dB μ V)	L2 (dB μ V)	Reading (dB μ V)	Limit (dB μ V)	Result (Pass/Fail)	Margin (dB μ V)
0.47	26.8	28.5	28.5	48.0	Pass				---	48.0	Pass	-19.5
0.54	25.8	27.8	27.8	48.0	Pass				---	48.0	Pass	-20.2
1.41	26.4	26.4	26.4	48.0	Pass				---	48.0	Pass	-21.6
5.00	18.4	18.3	18.4	48.0	Pass				---	48.0	Pass	-29.6
10.00	18.6	18.5	18.6	48.0	Pass				---	48.0	Pass	-29.4
18.89	28.6	26.3	28.6	48.0	Pass				---	48.0	Pass	-19.4

3) Indicate whether the device only operates at 11 MBps. Additional information might be required for other data rates.

This device is designed to operate at 11Mbps only. There are no user accessible controls to change the data rate.

4) Provide complete Processing gain information for each data rate. What is the theoretical process gain? Provide the test configuration, test data and calculations.

The theoretical processing gain for this device running at 11Mbps is 11.2dB as demonstrated in the processing gain test report uploaded separately. This report also includes all of the actual test data, calculations and configuration.

5) You state that the processing gain was submitted by the chip manufacturer. Please explain. The process gain test data for this device must be submitted unless it is identical to the actual device that was tested. What is the FCC identifier for the device tested?

The processing gain test report (uploaded separately), is provided by the baseband processor chipset manufacturer, Intersil, as a service to its OEM customers. The Zoom Wireless LAN card uses the HFA3861A baseband processor, which is the same baseband processor tested in the uploaded processing gain test report provided by Intersil.