

Non-Conformities FCC ID: IYL4061-0R0 (Ref # E06-000200-1)

The items listed below represent requests for information following review of this application. Further question may arise pending review of responses to these items.

OK	#	Non-Conformity or Comment	Submitted Response	Respondent / Date of Response
X	1	Please indicate whether antenna conducted spurious emission plots are compensated for cable/attenuator/filter insertion losses. If not compensated, please provide updated plots for figures 28-30.	An offset was included in the original plots but was set to the value in the 902-928 MHz range. Corrected plots have been included in the revised test report where transducer factors appropriate for the entire frequency range 30 MHz - 10 GHz were used.	CKC Labs 8/3/06
X	2	The users manual indicates use of a shielded USB cable. Is this cable provided at the time of sale of the equipment or readily available at a retail outlet (reference 15.27)? Is the shielded USB connector required to satisfy class B emissions limitations?	Cable is of standard type.	CKC Labs 8/3/06
X	3	Since this equipment operates with very narrow pulse width, has the pulse desensitization correction factor been incorporated in accordance with HP app note 150?	No correction factor included. Investigation showed it not necessary.	CKC Labs 8/3/06
X	4	Does the receiver bandwidth of the equipment match the transmit bandwidth in accordance with 15.247(a)(1)?	The receiver bandwidth is defined by software running on the digital signal processor to ensure that the transmitter bandwidth and receiver bandwidth match.	CKC Labs 8/3/06
X	5	Since this system may be viewed as a short-burst system, please provide information on compliance to 15.247(g) efficient use of spectrum.	The system transmission period is confined to the minimum time of operation necessary for communication with the tags, and all channels are used equally on the average even when the total time consumed by any one transmission is less than 0.4 seconds. All available hopping channels will eventually be used even though any one transmission may not employ all	CKC Labs 8/3/06

			available hopping channels, per 15.247(g).	
X	6	Please provide a declaration of compliance to 15.247(h), incorporation of intelligence.	There is no coordination of frequency hopping between multiple transmitters; the hopping sequence is a fixed pseudorandom sequence that does not vary.	CKC Labs 8/3/06
X	7	Please confirm whether testing methodology conforms to FCC public notice DA00-705.	The procedures in DA00-705 were followed during this testing.	CKC Labs 8/3/06
X	8	Please confirm that the bandwidth compliance of 15.247(a)(1) is met using the reader (ie, not relying on the tag).	The bandwidth measurements in the test report were made with the reader transmitting without a tag present.	CKC Labs 8/3/06