

13 February 2012



Federal Communications Commission
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Subject: Class 2 Permissive Change Application FCC ID: EHA-1000CP01SX1

Dear Application Examiner:

Intermec Technologies Corporation is submitting this application for the Class 2 Permissive Change of FCC ID: EHA-1000CP01SX1. The barcode scanner in the Model 1000CP01S has been slightly repositioned so that it points straight out, instead of tilted downward, resulting in the new Model 1000CP03S. A new holster has been developed for use with Model 1000CP03S that is worn on the wrist / forearm. It is designed for baggage handlers to have their hands free, but still be able to scan bar-codes. No modifications to the radios or the antennas have been made. System authorization is sought under FCC 15.247, FCC 15.407, FCC 22H, FCC 24E, and FCC 27.

The Model 1000CP03S is electrically and mechanically identical to the previously certified models except for the position of the barcode scanner and the use of the wrist holster. No other models will be authorized to use the wrist holster. It would be impractical to use other models with the wrist holster because the barcode scanner would point into the arm instead of straight out over the hand. The Model 1000CP03S will not be authorized to use the body holster previously certified with the other models.

Please note that brand names instead of model numbers are used in some of the exhibits. The CN70 brand name corresponds to the 1000CP03S model number.

A SAR evaluation was performed on the wrist holster. Prior to SAR testing, a non-PBA KDB inquiry was made to the FCC to confirm that a body phantom and body tissue equivalent liquids could be used. The FCC agreed with our proposal (see KDB tracking #758326) and the results are documented in the SAR reports submitted with this application. Spot checks of the head configurations that produced the highest SAR in the original filing were also made (see KDB 178919 D01 Permissive Change Policy v05r01, Item #5b).

The wrist holster for the Model 1000CP03S is constructed to insure a 12mm minimum spacing between the left side of the unit and the body phantom. Intermec attests that this spacing is in all production holsters for the Model 1000CP03S.

The sum of the 1-g SAR measured for the WWAN and 802.11a/b/g/n radios in the Model 1000CP03S was less than the SAR limit of 1.6 W/kg, so SAR evaluation for simultaneous transmission was not required:

Model	Phantom	Highest of		Sum 1 g (W/kg)
		Part 22/24/27 1 g (W/kg)	Part 15 1 g (W/kg)	
1000CP03S	Head	0.722	0.069	0.791
	Body	0.790	0.296	1.086

The following is a summary of the reports submitted with this application:

Type	Purpose	Reports
EMC 22H 24E 27	System level EMC testing of the UMTS portion of the Model 1000CP03S for spurious radiated emissions and radiated power.	NWEMC Report – INMC0747
EMC 22H 24E	System level EMC testing of the CDMA portion of the Model 1000CP03S for spurious radiated emissions and radiated power.	NWEMC Report – INMC0747.1
SAR 2.1093	System level SAR evaluation of the 802.11 portion of the Model 1000CP03S	NWEMC Report – INMC0746
SAR 2.1093	System level SAR evaluation of the CDMA portion of the Model 1000CP03S	NWEMC Report – INMC0746.1
SAR 2.1093	System level SAR evaluation of the UMTS portion of the Model 1000CP03S	NWEMC Report – INMC0746.2

Please note that system level EMC testing of the Wi-Fi / Bluetooth radio module was not performed because there have been no changes made to the module or its antenna. The test reports filed in the original application continue to be representative.

Your efforts in reviewing this application are greatly appreciated.

Sincerely,

Best regards,



Wayne F. Rieger
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