

Test Report

Project Number: 3637363

Report Number: 3637363EMC92

Revision Level: 0

Client: Intermec Technologies Corporation

Equipment Under Test: Mobile Computer

Model Name: CN70 / CN70e / CK70

Model Number: 1000CP01U-H1 / 1000CP02U-H1 / 1001CP01U-H1

System Version: W23.1.6.003

FCC ID: EHA-1000CP01UX1

Applicable Standards: FCC Part 22/24

Report issued on: 18 May 2015

Test Result: Compliant

Tested by:


Fabian Nica, Senior Engineering Technician

Reviewed by:


David Schramm, EMC/RF/SAR/HAC Manager

Remarks:

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or Testing done by SGS International Electrical Approvals in connection with distribution or use of the product described in this report must be approved by SGS international Electrical Approvals in writing.

Table of Contents

1	GENERAL INFORMATION	3
1.1	CLIENT INFORMATION	3
1.2	TEST LABORATORY	3
1.3	GENERAL INFORMATION OF EUT	3
1.4	EQUIPMENT UNDER TEST	4
1.5	POWER MEASUREMENTS	4
1.6	TEST EQUIPMENT	5

1 GENERAL INFORMATION

1.1 CLIENT INFORMATION

Name: Intermec Technologies Corp.
Address: 6001 36th Avenue W
City, State, Zip, Country: Everett, WA 988203, USA

1.2 TEST LABORATORY

Name: SGS North America, Inc.
Address: 620 Old Peachtree Road NW, Suite 100
City, State, Zip, Country: Suwanee, GA 30024, USA

Accrediting Body: A2LA
Type of lab: Testing Laboratory
Certificate Number: 3212.01

1.3 GENERAL INFORMATION OF EUT

Mode of Operation: GSM 850, GSM PCS 1900, WCDMA Band V, WCDMA Band II
Frequency Range: GSM850 and WCDMA Band V (824.0-849MHz)
GSM1900 and WCDMA Band II (1850-1910MHz)
Serial Number: 21721442038
Build Version: CE OS 5.2.29077 (Build 29077.5.3.12.10)
Firmware Version: System Version W23.1.6.003
Antenna: Integral
Battery Type: Li-Ion Battery
Rated Voltage: 3.7 VDC, 4Ah, Rechargeable Battery
Accessories: None

Sample Received Date: 9 December 2014
Dates of testing: 11 December 2014

1.4 EQUIPMENT UNDER TEST

EUT	Mobile Computer
Normal operation:	Held to head
Body Worn Accessory	NA
Device category:	Portable
Exposure category:	General Population/Uncontrolled Exposure
Sample Modification:	No modifications made. There is no power reduction for HAC support

Air Interface	Band MHz	Type	C63.19 Tested	Simultaneous Transmission	OTT	Power Reduction
GSM	850	VO	Yes	BT/WiFi	NA	NA
	1900					
	GPRS/EDGE	DT	NA			
WCDMA	850	VO	Yes	BT/WiFi	NA	NA
	1900					
	HSPA	DT	NA			
WiFi	2450	VD ¹	No	BT, GSM, WCDMA, CDMA	Yes	NA
BT	2450	DT	NA	WiFi, GSM, WCDMA, CDMA	NA	NA

VO = CMRS Voice Service
DT = Digital Transport
VD = CMRS IP Voice and Digital Transport
1 = No associated T-Coil measurement has been made in accordance with 285076 D02 T-Coil testing for CMRS IP

1.5 POWER MEASUREMENTS

The power levels of the voice mode are below. There are no reductions in power for HAC support. There is no specific mode for HAC testing. HAC is continuously enabled.

			Average Burst Power					
Mode	Type	Test mode	Cellular Band, GSM900			PCS Band, GSM1900		
			128	190	251	512	661	810
			824.2 MHz	836.6 MHz	848.8 MHz	1850.2 MHz	1880 MHz	1909.8 MHz
GSM	Voice		31.57	31.55	31.5	28.33	28.3	28.25

Mode	Release Version	Subtest mode	Cellular Band, FDD V			PCS Band, FDD II		
			4132	4183	4233	9262	9400	9538
			826.4 MHz	836.6 MHz	846.6 MHz	1852.4 MHz	1880 MHz	1907.6 MHz
WCDMA	99	12.2 kbps RMC	22.28	22.22	22.06	21.89	22.03	22.15

1.6 TEST EQUIPMENT

Test Date: 9-Dec-2014

Tester: FRN

Equipment	Model	Manufacturer	Asset Number	Cal Due Date
EMI TEST RECEIVER	ESU8	ROHDE & SCHWARZ	B085759	26-Jun-2015
CMW500 WIDEBAND RADIO	CMW500	ROHDE & SCHWARZ	B085757	3-Nov-2015
POWER SPLITTER	ZFRSC-123-S+	MINI-CIRCUIT	B085748	8-Aug-2015
COAXIAL CABLE	SUCOFLEX 102	HUBER&SUHNER	B079822	6-Aug-2015
COAXIAL CABLE	SUCOFLEX 102	HUBER&SUHNER	B079823	6-Aug-2015
COAXIAL CABLE	SUCOFLEX 102	HUBER&SUHNER	B079824	6-Aug-2015