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To: Timco Engineering Inc.

From: David Shidlowsky

Att: Frank DeNuzzo

Reference No: L70511.00

Date: 22 February 2007

Subject: Permissive Change Class II for Hi-G-Tek Ltd. AVL Reader,
 M/N: IG-AV2-43-916 V. B01
 FCC ID: OB6-IGAV243916
 Timco Job No: 440IC7

To Whom It May Concern:

The following changes were made:

*** RADIO Changes**

1. Change (1): Ext. antenna (900MHz, magnet mount) replacement

Current antenna model **ASF-3061** (manufactured by PANORAMA) is obsolete, manufacturer offers antenna model **ASOG-910B** as a replacement for the ASF-3061 model.

* Note: Both antennas are $\frac{1}{4} \lambda$ type, no significant modifications are expected. Both antennas have SMA Reverse Polarity connectors.



Ver. A01 HF Antenna	
Manufacturer	Panorama Antennas
Type	Magnet Mount ,quarter wave antenna for900MHz
Model No.	ASF-3061

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Ver. B01 HF Antenna	
Manufacturer	Panorama Antennas
Type	Magnet Mount ,quarter wave antenna for900MHz
Model No.	ASOG-910B

*** NON-RADIO Changes**

2. Change (2): Microprocessor's Resonator replacement

A replacement of 4MHz ceramic resonator with a 6MHz ceramic resonator in order to improve μ P capabilities .

Ver. A01 Resonator – 4MHz	
Manufacturer	MURATA
Type	4MHz Ceramic resonator, small cap chip type ,
Model No.	CSTCR4M00G55B
Ref. mark	Y1

Ver. B01 Resonator – 6MHz	
Manufacturer	MURATA
Type	6MHz Ceramic resonator, small cap chip type ,
Model No.	CSTCR6M00G15B
Ref. mark	Y1

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3. Change (3): Memory extension

Optional upgrading of the memory size: 64MB EEPROM memory chip instead of current 32KB EEPROM chip.

* Note: PCB will continue to support the original 32MB as well.

Rev. A01 Memo. chip – 32MB		Rev. B01 Memo. chip – 64MB	
Manufacturer	MICROCHIP	Manufacturer	ST Microelectronics
Type	256k-bit (32MB) Serial Electrically Erasable PROM TSSOP8 package	Type	512k-bit (64MB) Serial Electrically Erasable PROM TSSOP8 package
Model No.	25AA256T-I/ST	Model No.	M95512WDW6TP
Ref. mark	U3	Ref. mark	U3

4 Change (4): SMT resistor replacement

A replacement of 20ohm SMT resistor (charging current limiter) with a 39.2ohm SMT resistor, in order to restrict charging current.

Ver. A01 20ohm SMT resistor		Ver. B01 39.2ohm SMT resistor	
Manufacturer	BOURNS	Manufacturer	BOURNS
Type	SMT resistor,20 ohm "1206" sized , 0.25W	Type	SMT resistor,39.2 ohm "1206" sized , 0.25W
Model No.	CR1206FX20R0ELF	Model No.	CR1206FX39R2ELF
Ref. mark	R70	Ref. mark	R70



מעבדות לתקנים בינלאומיים בישראל

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We request a Permissive Change Class II per our correspondence with Timco in Appendix B of ITL test report no. E70511.00.

Thank you for your assistance.

Regards

David Shidlowsky

Technical Writer

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