

APPENDIX A

Description provided by:

Scanpak

CLIENT SAMPLE DESCRIPTION

	New	Repeat
MPBT Personnel	Date	Project/Work Order
Janusz Lokaj		2952

Contact	Ewa Sokolowska	Address	
Company	Scanpak	2250 P1. Transcanada, Dorval, Quebec H9P 2X5	
Client Code		Phone: 514-685-3505	Fax: 514-685-5484

Product Application	Product Category	Product Type
Military <input type="checkbox"/> Commercial <input checked="" type="checkbox"/>	Telecom <input checked="" type="checkbox"/> Avionics <input checked="" type="checkbox"/> Info Tech. <input type="checkbox"/> Other <input type="checkbox"/> Space <input type="checkbox"/>	Production Unit <input type="checkbox"/> Pre-production Unit <input checked="" type="checkbox"/> Prototype <input type="checkbox"/>
Product Name	TTagB Transceiver Tag and TTB-434 Active Reader	
Part Number		
Model Number	TTB-434-01 (for TTagB Transceiver Tag) and TTB-434 (for TTB-434 Active Reader)	
Serial Number	S/N for reader SR43000, S/N for tag ST43000	
Power Requirements: AC/DC, Current	TTagB Transceiver Tag : Two Lithium coin cells (e.g. CR- 2032) TTB-434 Active Reader: 6 to 48V DC supplied as POE (Power Over Ethernet)	
Operational Frequency	TTagB Transceiver Tag: transmit freq. 433.92 MHz, receive freq. 434.02 MHz TTB-434 Active Reader: transmit freq. 434.02 MHz, receive freq. 433.92 MHz	
Typical Installation Instructions or Configuration	TTagB Transceiver Tag is a self-contained equipment, no installation required. TTB-434 Active Reader is connected with Ethernet cable to Power Over Ethernet injector, to the port caring data and DC power. The DC power port of the injector is connected to a AC to DC wall adapter. The data port of the injector is connected with the Ethernet cable to LAN (PC, HUB, switch or router).	
Ground EUT	No	
# Interconnecting Leads	None for TTagB Transceiver Tag. Etherner cable for TTB-434 Active Reader	
Internal Clock Frequency	TTagB Transceiver Tag : 32.768 kHz TTB-434 Active Reader: 8 MHz and 20 MHz	
Peripheral Equipment	None for TTagB Transceiver Tag. PC, POE injector and AC to DC wall adapter for TTB-434 Active Reader.	
Cables	None for TTagB Transceiver Tag. Ethernet cable for TTB-434 Active Reader.	
Functional or Self-Test Duration		
Brief Functional Description	Transceiver tag operating in 434 MHz band, 433.92 MHz transmit and 434.02 MHz receive mode. The TtagB transmits only when interrogated by a reader device. This tag has a motion detector and brown out detection.	
	TTB-434 Active Reader, equipped with a built-in Ethernet controller, connects directly to a LAN (10Base-T) and communicates with the server using TCP/IP protocol. It is receiving RF data in 433.92 MHz band, recognizing data from the tags and transmitting collected data to the server. TTB-434 Active Reader periodically sends an inquiry signal to the tags prompting them to answer.	

Other Remarks	
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Prepared By:	Title:	Date:
Ewa Sokolowska		

APPENDIX B
TEST EQUIPMENT REPORT

Asset	Device	Characteristics	Manufacturer	Model	Serial	Cal. Date	Cal Due date
4297	Spectrum Analyzer	100Hz-22GHz	Hewlett Packard	HP8566B	2747A05484	4-Aug-03	4-Aug-04
2316	Preamplifier	10k-1000MHz	Electrometrics	BPA-1000	900710	Monitored	Monitored
5078	Biconilog Antenna	20MHz - 2GHz	Amplifier Research	LPB-2520/A	1173	5-Aug-03	5-Aug-04
2436	Quasi Peak Adapter		Hewlett Packard	85650A	2811A01123	4-Aug-03	4-Aug-04
	Anechoic Chamber					Monitored	Monitored