Device Summary Report

1. Conformance

GSRN No.	:	950110126000001565
Product Name	:	TRW-JPM-01
Trade Mark	:	N/A
Product ID	:	N/A
Manufacturer	:	Toshiba Tec Corporation
Client	:	Toshiba Tec Corporation
Standard(s)	:	EPCglobal Class-1 Generation-2 UHF Protocol V1.0.9. for Communications at 860MHz to 960 MHz, EPCglobal Radio Frequency Identity Protocols Class-1 Generation-2 UHF RFID Conformance Requirements Version 1.0.4 and Interoperability Test Methodology V1.2.5

Reader Conformance Badge	
Reader or Module:	Module
Intended Operating Region:	JPN
Frequency Range:	952-954 MHz
Modulation Types:	DSB-ASK
Tari's:	25us
Backscatter Encoding Support:	FM0
Frequency Scheme:	Fixed
Temperature Range:	-25C to 40C
Environment:	Single
Optional Command Support:	Access, BlockWrite, BlockErase

Backscatter Encoding	M	Backscatter Data Rate (kbps)	Tari (µs)					
			6.25	12.5	25			
FM0	1	40			DS/1.75:1/8			
	1							
	1							
	1							
	1							
	1							
Sub carrier								
Sub carrier (DI environment)								

Key:

Dense interrogator mask met

Multiple interrogator mask met

Single interrogator mask met

DS	DSB-ASK
SS	SSB-ASK
PR	PR-ASK
X:1	PIE ratio
8	DR=8
64	DR=64/3

2. Interoperability

Reader

Manufacturer:	Toshiba Tec Corporation
Product Name/Model:	TRW-JPM-01
Frequency Bands Tested:	862-870 MHz ☐ 902 – 928 MHz ☐ 950 – 956 MHz ☒
*Tested Range:	20 cm

* The distance between the reader antenna and tag used for testing

Backscatter Encoding	M	Backscatter Data Rate (kbps)	Tari (µs)		
			6.25 – 12.5	12.5 – 18.75	18.75 – 25
FM0	1	640 – 320			
		320 -256			
		256 – 160			
		160 – 40			Mod: DS PIE:1.75:1 DR:8 Funct: P **Monza Tag, Monza 2; Large Rigid Tag-1T04U004TT001A, Monza IC
Subcarrier	2	320 – 128			
		128 – 20			
	4	160 – 64			
		64 – 10			
	8	80 – 32			
		32 – 5			

** Tag name, certified IC

Note: A waiver for homogeneous and in-homogeneous interoperability test cases were issued by EPCglobal due to the fact that these reader modules submitted for certification will only be used in printers.

Appendix: Keys

DS	DSB-ASK
SS	SSB-ASK
PR	PR-ASK
X:1	PIE ratio

Optional Gen 2 functionality indicated under Funct:
P Access passwords supported
U User memory supported
WT Write-able TID supported