

Device Summary Report

1. Conformance




GSRN No. : 950110126000000803
Product Name : ID ISC.LRU2000 Reader
Trade Mark : N/A
Product ID : N/A
Manufacturer : FEIG ELECTRONIC GmbH
Client : FEIG ELECTRONIC GmbH
Standard(s) : EPCglobal Class-1 Generation-2 UHF Protocol V1.0.9. for Communications at 860MHz to 960 MHz and EPCglobal Radio Frequency Identity Protocols Class-1 Generation-2 UHF RFID Conformance Requirements, Version 1.0.4

Reader Conformance Badge	
Reader or Module:	Reader
Intended Operating Region:	US
Frequency Range:	902-928 MHz
Modulation Types:	DSB-ASK
Tari's:	25us
Backscatter Encoding Support:	Miller Subcarrier
Frequency Scheme:	FHSS
Temperature Range:	-25C to 40C
Environment:	Single, Dense*
Optional Command Support:	BlockWrite

* A waiver for the dense mask test case (Item 51 in the conformance requirements document) was issued by EPCglobal due to ambiguity in the measurement of the test case. A change request to the conformance document will be submitted to the HAG to clarify this test case.

Backscatter Encoding	M	Backscatter Data Rate (kbps)	Tari (µs)				
			6.25	12.5	25		
FM0	1						
	1						
	1						
	1						
	1						
	1						
Sub carrier							
Sub carrier (DI environment)	4	64			DS/1.5:1/64		

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:	FEIG ELECTRONIC GmbH
Product Name/Model:	ID ISC.LRU2000 Reader
Frequency Bands Tested:	862-870 MHz <input type="checkbox"/> 902 – 928 MHz <input checked="" type="checkbox"/> 950 – 956 MHz <input type="checkbox"/>
*Tested Range:	1 meter

* 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			
Subcarrier	2	320 – 128			
		128 – 20			
	4	160 – 64			Mod: DS PIE:1.5:1 DR:64 Funct: P,U **Monza Tag, Monza 2; Raflatac G2, UCODE; Large Rigid Tag- 1T04U004TT001A, Monza IC
		64 – 10			
	8	80 – 32			
		32 – 5			

** Tag name, certified IC

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