
Device Summary Report

1. Conformance

| | |
|---------------------|---|
| GSRN No. | : 950110126000001824 |
| Product Name | : UCode G2iL |
| Trade Mark | : N/A |
| Product ID | : N/A |
| Manufacturer | : NXP Semiconductor Austria GmbH Styria |
| Client | : NXP Semiconductor Austria GmbH Styria |
| Standard(s) | : EPCglobal Class-1 Generation-2 UHF Protocol V1.1.0. for Communications at 860MHz to 960 MHz, EPCglobal Radio Frequency Identity Protocols Class-1 Generation-2 UHF RFID Conformance Requirements, Version 1.0.5 and Interoperability Test System for EPC Compliant Class-1 Generation-2 UHF RFID Devices, Version 1.2.5 |

| Tag Conformance Badge | |
|-----------------------------|---------------|
| Frequency Range | 860 - 960 MHz |
| Backscatter Modulation Type | ASK |
| Temperature range | -40C to +85C |
| Optional Command Support | Access |

2. Interoperability

IC

| | |
|---------------------------|---|
| Name/GSRN of Certified IC | UCode G2iL / 950110126000001824 |
| Tag Used(model #) | 806hex |
| Frequency Bands Tested | 862-870 MHz <input checked="" type="checkbox"/> 902 – 928 MHz <input checked="" type="checkbox"/> |
| *Tested Range: | 1 meter |
| Notes | Tag configurations that utilize the identical certified IC may be as interoperable as the tested tag. See tag manufacturer for selection of tags for this IC. |

IC – Integrated Circuit

* 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 | Mod: PR PIE:2:1 DR:64/3 Funct: P Sirit INfinity 510 RFID Reader | | |
| | | 320 -256 | | | |
| | | 256 – 160 | | | |
| | | 160 – 40 | | | |
| Subcarrier | 2 | 320 – 128 | | | |
| | | 128 – 20 | | | |
| | 4 | 160 – 64 | | | |
| | | 64 – 10 | Mod: DS PIE:1.5:1 DR:8 Funct: P Sirit INfinity 510 RFID Reader | | Mod:PR PIE:2:1 DR:64/3 Funct: P Impinj Speedway RFID Reader |
| | | 8 | 80 – 32 | Mod: PR PIE:2:1 DR:64/3 Funct: P Sirit INfinity 510 RFID Reader | |
| | 32 – 5 | | | | |

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