RF EXPOSURE

Report Number		ESTRGC2304-007(1)		
Applicant	Company name	ID Secure LLC		
	Address	10 Crooked Hill Oakland New Jersey United States 07436		
	Telephone	+82-031-607-7537		
	Contac person	Darren Reid		
Product	Product name	Rugged Biometric Device		
	Model No.	EID10 ALPHA	Manufacturer	Gen2wave
	Serial No.	NONE	Country of origin	KOREA
Test date	20-Mar-23 ~ 22-Mar-23		Date of issue	15-Jun-23
Testing location	140-16, Eongmalli-ro, Majang-myeon, Icheon-si, Gyeonggi-do, Rep. of Korea			
FCC ID	2BA25-EID10ALPHA			
ISED ID	30760-EID10ALPHA			
Standard	KDB 447498 D01 General RF Exposure Guidance v06			
Measurement facility registration number	659627			
Tested by	Engineer H.G. Lee	(Signature)		
Reviewed by	Engineering Manager I.K Hong	(Signature)		
Abbreviation	OK, Pass = Passed, Fail = Failed, N/A = not applicable			

* Note

- This test report is not permitted to copy partly without our permission
- This test result is dependent on only equipment to be used
- This test result based on a single evaluation of one sample of the above mentioned
- This test report is not related to KOLAS accreditation
- This is the reissue report due to the change of the applicant

1.0 INTRODUCTION

These calculations are based on the highest EIRP possible from the EUT, measured in the radiated mode for the RFID portion

EIRP was calculated using the following.
EIRP = $(E \times d)_2/30$, where:
• **E** = electric field strength in V/m,
• **d** = measurement distance in meters (m).

It was measured to be 69.06 dBuV/m at 125 kHz at 3 meters or -26.17 dBm (0.001 47 mW) EIRP.
It was measured to be 58.55 dBuV/m at 13.56 MHz at 3 meters or -36.68 dBm (0.000 013 mW) EIRP.

The field strength is calculated without distance correction factors.

FCC RF EXPOSURE COMPLIANCE RESULT:

In accordance with FCC KDB Publication 447498 D01 V06 Clause 4.3.1 a) for transmit frequencies below 100 MHz:

For 100 MHz to 6 GHz and *test separation distances* ≤ 50 mm, the 1-g and 10-g *SAR test exclusion thresholds* are determined by the following:

[(*max. power of channel, including tune-up tolerance, mW*) / (*min. test separation distance, mm*)] · [√f(GHz)] ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR,30 where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation31
- The result is rounded to one decimal place for comparison
- The values 3.0 and 7.5 are referred to as *numeric thresholds* in step b) below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

Mode	Freq. (MHz)	max (dBm)	Max Power (mW)	Distance (mm)	1g (x=7.5)	Results
RFID(LF)	0.125	-26.17	0.00242	5	7.5	**0.000 000 720**
RFID(HF)	13.56	-36.68	0.00021	5	7.5	**0.000 000 667**