



BUREAU  
VERITAS

Test Report No.: FM181009N052-3

## RF EXPOSURE REPORT

|           |   |
|-----------|---|
| Applicant | Innovaticx LLC  |
| Address   | 1013 Centre Road, Suite 403-B Wilmington DE 19805 United States |

|   |   |
|---|---|
| Manufacturer or Supplier  | Innovaticx LLC  |
| Address   | 1013 Centre Road, Suite 403-B Wilmington DE 19805 United States |
| Product   | Alpha1  |
| Brand Name  | STRIKE PROS   |
| Model   | A001  |
| Additional Model & Model Difference                             | N/A   |
| Date of tests   | Oct. 09, 2018 ~ Nov. 14, 2018                                   |
| <input checked="" type="checkbox"/> FCC Part 2 (Section 2.1093) |   |
| <input checked="" type="checkbox"/> KDB 447498 D01              |   |
| <input checked="" type="checkbox"/> IEEE C95.1                  |   |

**CONCLUSION:** The submitted sample was found to COMPLY with the test requirement

|   |  |
|---|--|
| Tested by Breeze Jiang<br>Project Engineer / EMC Department | Approved by Chris Chen<br>Manager / EMC Department |
|   |  |

Date: Nov. 29, 2018

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## Table of Contents

|  |   |
|--|---|
| RELEASE CONTROL RECORD .....           | 3 |
| 1. CERTIFICATION.....                  | 4 |
| 2. RF EXPOSURE DEFINE .....            | 5 |
| 3. CLASSIFICATION .....                | 5 |
| 4. SAR TEST EXCLUSION THRESHOLDS ..... | 6 |



**BUREAU  
VERITAS** Test Report No.: FM181009N052-3

## RELEASE CONTROL RECORD

| ISSUE NO.      | REASON FOR CHANGE | DATE ISSUED   |
|----------------|-------------------|---------------|
| FM181009N052-2 | Original release  | Nov. 29, 2018 |



## 1. CERTIFICATION

|                        |                             |
|------------------------|-----------------------------|
| <b>FCC ID:</b>         | 2ARVV-ALPHA1-A001T          |
| <b>PRODUCT:</b>        | Alpha1                      |
| <b>BRAND NAME:</b>     | STRIKE PROS                 |
| <b>MODEL NO.:</b>      | A001                        |
| <b>ADDITIONAL NO.:</b> | N/A                         |
| <b>TEST SAMPLE:</b>    | Engineering Sample          |
| <b>APPLICANT:</b>      | Innovaticx LLC              |
| <b>STANDARDS:</b>      | FCC Part 2 (Section 2.1093) |
|                        | KDB 447498 D01              |
|                        | IEEE C95.1                  |



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Test Report No.: FM181009N052-3

## 2. RF EXPOSURE DEFINE

The corresponding SAR Exclusion Threshold condition, listed below:

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR,<sup>16</sup> where

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  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 is applied to determine SAR test exclusion.

2) At 100 MHz to 6 GHz and for test separation distances  $> 50$  mm, the SAR test exclusion threshold is determined according to the following:

- a) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · (f(MHz)/150)] mW, at 100MHz to 1500 MHz
- b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · 10] mW at  $> 1500$  MHz and  $\leq 6$  GHz

3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion.

- a) The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by  $[1 + \log(100/f(\text{MHz}))]$  for test separation distances  $> 50$  mm and  $< 200$  mm.
- b) The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by  $\frac{1}{2}$  for test separation distances  $\leq 50$  mm.
- c) SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.

## 3. CLASSIFICATION

The antenna of this product, under normal use condition, is at less than 20cm away from the body of the user. So, this device is classified as **Portable Device**.



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## 4. SAR TEST EXCLUSION THRESHOLDS

The tuned conducted Average Power (declared by client)

| Mode     | Frequency (MHz) | Target Power (dBm) | Tolerance (dBm) | Lower Tolerance (dBm) | Upper Tolerance (dBm) |
|----------|-----------------|--------------------|-----------------|-----------------------|-----------------------|
| LE- GFSK | 2402-2480       | -20                | +3              | -23                   | -17                   |

The measured conducted Average Power

| Mode     | Frequency (MHz) | Averaged Power (dBm) |
|----------|-----------------|----------------------|
| LE- GFSK | 2402            | -18.00               |

### SAR Test Exclusion Thresholds

| Frequency (MHz) | Maximum source-based time averaged conducted output power (dBm) | Minimum separation distance (mm) | Result of Eq. 1 | Limit for 1-g SAR | Limit for 10-g extremity SAR | Verdict         |
|-----------------|---|----------------------------------|-----------------|-------------------|------------------------------|-----------------|
| 2402-2480       | -17   | 5                                | 0.196           | 3.0               | 7.5                          | Exempt from SAR |

### Conclusion

Therefore this device complies with FCC's RF radiation exposure limits for general population without SAR evaluation.