



**F2 Labs**  
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## CERTIFICATION TEST REPORT

**Manufacturer:** Structured Mining Systems, Inc.  
d.b.a. Cervis Inc.  
170 Thorn Hill Road  
Warrendale, Pennsylvania 15086  
United States of America

**Applicant:** Same As Above

**Product:** SmaRT Portable Radio

**Model:** HH-9H06

**FCC ID:** LOB9H06

**Testing Commenced:** Nov. 22, 2013

**Testing Ended:** Dec. 23, 2013

**Summary of Test Results:** Page 4

**Standards:**

- OET FCC Bulletin 65
- KDB447498

**Evaluation Conducted by:**

\_\_\_\_\_  
Ken Littell, EMC Tech. Mgr.

**Report Reviewed by:**

\_\_\_\_\_  
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## 1 ADMINISTRATIVE INFORMATION

### 1.1 Measurement Location:

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

### 1.2 Measurement Procedure:

All measurements were performed according to KDB558074.

### 1.4 Document History

| Document Number | Description | Issue Date    | Approved By |
|-----------------|-------------|---------------|-------------|
| F2LQ5836-04E    | First Issue | Mar. 14, 2014 | W. Fuster   |
|                 |             |               |             |
|                 |             |               |             |



Order Number: F2LQ5836

Client: Cervis Inc.

Model: HH-9H06

## 2 SUMMARY OF TEST RESULTS

| Test Name                                  | Standard(s)                      | Results  |
|--|----------------------------------|----------|
| RF Exposure for Device<br>>20cm from Human | OET FCC Bulletin 65<br>KDB447498 | Complies |

Note: product was operated using AAA batteries.

| Modifications Made to the Equipment |
|-------------------------------------|
| None                                |



Order Number: F2LQ5836

Client: Cervis Inc.

Model: HH-9H06

### 3 ENGINEERING STATEMENT

This report has been prepared on behalf of Cervis Inc. to provide documentation for the testing described herein. This equipment has been tested and found to comply with OET FCC Bulletin 65 and KDB447498. The test results found in this test report relate only to the items tested.



Order Number: F2LQ5836

Client: Cervis Inc.

Model: HH-9H06

## 4 EUT INFORMATION AND DATA

### 4.1 Equipment Under Test:

Product: SmaRT Portable Radio  
Model: HH-9H06  
Serial No.: None  
FCC ID: LOB9H06

### 4.2 Trade Name:

Structured Mining Systems, Inc., d.b.a. Cervis Inc.

### 4.3 Power Supply:

Non-rechargeable AAA Batteries

### 4.4 Applicable Rules:

- OET FCC Bulletin 65
- KDB447498

### 4.5 Equipment Category:

Radio Transmitter-DTS

### 4.6 Antenna:

1.49dBi Chip Antenna

### 4.7 Accessories:

N/A

### 4.8 Test Item Condition:

The equipment to be tested was received in good condition.



Order Number: F2LQ5836

Client: Cervis Inc.

Model: HH-9H06

## 5. RF EXPOSURE FOR DEVICE >20cm FROM HUMAN

### 5.1 Requirements:

Limit: .604mW/cm<sup>2</sup>

Formula used for result: 
$$\frac{\text{E.I.R.P.}}{4 \pi R^2}$$

Results: E.I.R.P. with 1.49dBi Integral Antenna.

**Integral Antenna:** 12.942mW at the 906.2 MHz Low Channel, which is the highest.

$$\frac{12.942\text{mW}}{4 \pi R^2} = \frac{12.942\text{mW}}{5026.55} = .00257473\text{mW/cm}^2$$

The minimum antenna-to-user separation distance is 5mm; however, the device is exempt from SAR testing for <20cm separation due to the low output power. The limit of 16mW in accordance with KDB 447498 is not exceeded.