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# SAR EXCLUSION DOCUMENT

**Document 75954182-05 Issue 02**
**FCC ID: 2AHWR-SS05**

**13.56 MHz RFiD Transmitter:**

FCC General RF Exposure Test Exemption Guidance (KDB 447498 D04 v01 Appendix B)

SAR or MPE based evaluation is not required if any of the applicable Steps 1, 2 or 3 are met (Ref: KDB 447448 Figure A.1).

Step 1: All Devices: Blanket 1 mW Exemption (100 kHz – 100 GHz)

Reference: FCC CFR 47 Part 1.1307(b)(3)(i)(A).

| Frequency (MHz) | Conducted Power Output mW | Duty Cycle % | Time Average Conducted Power Output mW | Antenna Gain Ratio | Maximum Power (EIRP) mW | Maximum Power (ERP) mW | Test Separation Distance (mm) | All devices: 1.1307(b)(3)(i)(A)Blanket 1 mW Exemption (Yes/No)* (100 kHz to 100 GHz) |
|---|---|---|---|---|---|---|---|---|
| 13.56 | 0.00000023 | 100 | 0.00000023 | 1 | 0.00000023 | 0.00000014 | 21 | Yes |

*Based on conducted power output or ERP whichever is greater, compared to the 1 mW exemption threshold.

**Approved by** .....
Steve Marshall
Authorised Signatory

**Date** 25 May 2022

Manufacturer's Declaration of Product information:

## Equipment Description

| | |
|---|---|
| Technical Description:<br>*(Please provide a brief description of the intended use of the equipment)* | Shot Scope H4 is a handheld unit used by golfers to provide distance information from their position to their target. It also tracks how far each golf shot is hit and what golf club was used. |
| Manufacturer: | Shot Scope Technologies Ltd |
| Model: | Shot Scope H4 |
| Part Number: | SS04 |

| | |
|---|---|
| If more than one frequency band is supported, please confirm which combinations of bands are capable of Simultaneous Transmit. | BLE and RFID do not transmit simultaneously. |

## Frequency Band 1: 2400 MHz Bluetooth Low Energy

| | | |
|---|---|---|
| Antenna Model: | Pulse W3008 | |
| Antenna length: | Chip Antenna (Length not applicable) | cm |
| Bottom frequency: | 2402 | MHz |
| Middle frequency: | 2440 | MHz |
| Top frequency: | 2480 | MHz |

| | | |
|---|---|---|
| Maximum power (input to the antenna including a tolerance): | 10 | dBm |
| Antenna gain (or maximum gain allowed): | 1.1 | dBi |

Or

| | | |
|---|---|---|
| Field Strength Measurement: | | dBµA/M |
| Measurement Distance: | | cm |

| | | |
|---|---|---|
| Separation distance from antenna to the user/bystander | 0.21 | cm |
| Transmitter Duty Cycle: | 32 | % |

Frequency Band 2: 13.56 MHz RFiD

| | | |
|---|---|---|
| Antenna Model: | Custom PCB Loop Antenna, 4 turns | |
| Antenna length: | 0.26 x 0.19 (loop antenna) | cm |
| Bottom frequency: | - | MHz |
| Middle frequency: | 13.56 | MHz |
| Top frequency: | - | MHz |

| | | |
|---|---|---|
| Maximum power (input to the antenna including a tolerance): | | dBm |
| Antenna gain (or maximum gain allowed): | | dBi |

Or

| | | |
|---|---|---|
| Field Strength Measurement: | 28.88 | dBµV/m at 3m |
| Measurement Distance: | | cm |

| | | |
|---|---|---|
| Separation distance from antenna to the user/bystander | 0.21 | cm |
| Transmitter Duty Cycle: | 100 | % |

I hereby declare that the information supplied is correct and complete.

Name: Lewis Allison
Position held: Chief Technology Officer
Date: 31 January 2022