



RF Exposure Evaluation Declaration

Report No.: S20251017188502

Issue Date: 2025-12-26

Applicant: The Outliers Partnership Limited

Address: Unit 2A, 17 F, Glenealy Tower, NO.1 Glenealy, Central, Hong Kong

FCC ID: 2BTLTSFKTK01

Product: Phone Style Walkie Talkie

Model No.: SFKTK01WB

Trade Mark: SciFikids

FCC Rule Part(s): CFR 47, FCC Part 2.1093 Radiofrequency radiation exposure evaluation: portable devices.

Item Receipt date: Nov. 07, 2025

Test Date: Nov. 12, ~ Dec. 10, 2025



扫一扫验真伪

Compiled By

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Senior Test Engineer

Approved By

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The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB 558074 D01. Test results reported herein relate only to the item(s) tested.

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Revision History

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§2.1033 General Information

Applicant:	The Outliers Partnership Limited
Applicant Address:	Unit 2A, 17 F, Glenealy Tower, NO.1 Glenealy, Central, Hong Kong
Manufacturer:	The Outliers Partnership Limited
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LAB ID:	CN5037
LAB registration number:	600222-0
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FCC Rule Part(s):	FCC Part 2.1093
FCC ID:	2BTLTSFKTK01
Test Device Serial No.:	S/N.: / ☐ Production ☒ Pre-Production ☐ Engineering

1. Product Information

1.1. Equipment Description

Product Name:	Phone Style Walkie Talkie
Main Test Model:	SFKTK01WB
Trade Mark:	SciFikids
Input Voltage Range:	DC 3.7V from battery
Bluetooth Version:	5.3
Software Version:	WT20251028V1.6
Hardware Version:	20251018_V1
EUT sample number:	S202510171885-1-1 (Conducted) S202510171885-1-2 (Radiated)

Note: This information is provided by the Customer and its authenticity is the responsibility of the Customer.

1.2. Product Specification Subjective to this Report

Bluetooth Frequency	BLE_1M: 2402~2480MHz BLE_2M: 2402~2480MHz
Number of Channels	BLE: 40
Channel Spacing	2MHz
Type of modulation	GFSK
Data Rate	1Mbps
Antenna Type:	PCB antenna
Antenna Gain:	0dBi

Note: The maximum Antenna Gain was declared by the manufacturer.

2. RF Exposure Evaluation

2.1. Limits

Exposure category: General population/uncontrolled environment

EUT Type: extremity exposure device

According to the KDB 447498 D04 Interim General RF Exposure Guidance v01:

when 10-g extremity SAR applies, SAR test exemption may be considered by applying a factor of 2.5 to the SAR-based exemption thresholds.

SAR-Based Exemption:

SAR-based thresholds are derived based on frequency, power, and separation distance of the RF source.

The formula defines the thresholds in general for either available maximum time averaged power or maximum time-averaged ERP, whichever is greater. If the ERP of a device is not easily determined, such as for a portable device with a small form factor, the applicant may use the available maximum time-averaged power exclusively if the device antenna or radiating structure does not exceed an electrical length of $\lambda/4$. As for devices with antennas of length greater than $\lambda/4$ where the gain is not well defined, but always less than that of a half-wave dipole (length $\lambda/2$), the available maximum time-averaged power generated by the device may be used in place of the maximum time-averaged ERP, where that value is not known. The separation distance is the smallest distance from any part of the antenna or radiating structure for all persons, during operation at the applicable ERP. In the case of mobile or portable devices, the separation distance is from the outer housing of the device where it is closest to the antenna. The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold P_{th} (mW). This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by Formula as below:

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}}(d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1). The example values shown in Table B.2 are for illustration only.

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B. 1})$$

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)										
		5	10	15	20	25	30	35	40	45	50
	300	39	65	88	110	129	148	166	184	201	217
	450	22	44	67	89	112	135	158	180	203	226
	835	9	25	44	66	90	116	145	175	207	240
	1900	3	12	26	44	66	92	122	157	195	236
	2450	3	10	22	38	59	83	111	143	179	219
	3600	2	8	18	32	49	71	96	125	158	195
	5800	1	6	14	25	40	58	80	106	136	169

1-mW test exemption:

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

2.2. Test Result of RF Exposure Evaluation

Temperature:	22.8 °C
Relative Humidity:	54 %
ATM Pressure:	102.6 kPa
Test Date:	2025-12-09
Test Engineer:	Stone Zhang

Product	Phone Style Walkie Talkie
Test Item	RF Exposure Evaluation

Mode	Frequency (MHz)	Maximum Conducted Output Power (dBm)	Antenna Gain (dBi)	Maximum Tune-up EIRP (dBm)	Maximum Tune-up ERP (dBm)	Maximum Tune-up ERP (mW)	Exemption Limit (mW)	Verdict
BLE	2402-2480	-4.50	0.00	-4.50	-6.65	0.22	6.80	PASS

Remark:

1. ERP=EIRP-2.15.

2. Threshold ERP(mW)= $3060 * ((0.5/20)^{-\log(60/3060)/\sqrt{f}}) = 3060 * ((0.5/20)^{-\log(60/3060)/\sqrt{2.480}}) = 2.72\text{mW}$.

3. The EUT is extremity exposure device, the Exemption limit =Threshold ERP(mW)*2.5 = 2.72*2.5 =6.80mW.

CONCLUSION:

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

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