

FCC RF Exposure Report

Report No.: SABEIH-WTW-P21110117

FCC ID: P27-SCO4255PA10

Test Model: SCO4255P-BC-A10

Received Date: Nov. 20, 2021

Test Date: Nov. 17 ~ Dec. 01, 2021

Issued Date: Jan. 20, 2022

Applicant: Sercomm Corp.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

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Test Location: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City
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**FCC Registration /
Designation Number:** 788550 / TW0003



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Release Control Record

Issue No.	Description	Date Issued
SABEIH-WTW-P21110117	Original release	Jan. 20, 2022

1 Certificate of Conformity

Product: Englewood HGO

Brand: Sercomm

Test Model: SCO4255P-BC-A10

Sample Status: Engineering sample

Applicant: Sercomm Corp.

Test Date: Nov. 17 ~ Dec. 01, 2021

Standards: FCC Part 2 (Section 2.1091)

References Test

Guidance: KDB 447498 D01 General RF Exposure Guidance v06

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by :

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Date:

Jan. 20, 2022

Pettie Chen / Senior Specialist

Approved by :

Jeremy Lin

Date:

Jan. 20, 2022

Jeremy Lin / Project Engineer

2 RF Exposure

2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	f/1500	30
1500-100,000	1.0	30

f = Frequency in MHz; *Plane-wave equivalent power density

2.2 MPE Calculation Formula

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

r = distance between observation point and center of the radiator in cm

2.3 Classification

The antenna of this product, under normal use condition, is at least 53cm away from the body of the user. So, this device is classified as **Mobile Device**.

3 Calculation Result of Maximum Density Power

Function	Frequency Band (MHz)	EIRP (dBm)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
LTE Band 48 (Per 10M)	3555-3695	44.71	53	0.838	1
LTE Band 48 (Full Power)	3555-3695	45.33	53	0.967	1

*Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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