RF Exposure Report

Report No.:	SA160401D01
FCC ID:	P27LC4R
Test Model:	LC4R
Received Date:	Apr. 1, 2016
Test Date:	Apr. 15 ~ May 27, 2016
Issued Date:	Jun. 1, 2016
Applicant:	Sercomm Corp.
Address:	8F, No. 3-1, YuangQu St., NanKang, Taipei 115, Taiwan, R.O.C. (NanKang Software Park)
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)

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Release Control Record

Issue No.	Description	Date Issued
SA160401D01	Original release.	Jun. 1, 2016

1 Certificate of Conformity

Product:	LTE module
Brand:	Sercomm
Test Model:	LC4R
Sample Status:	Engineering sample
Applicant:	Sercomm Corp.
Test Date:	Apr. 15 ~ May 27, 2016
Standards:	FCC Part 2 (Section 2.1091) KDB 447498 D03 IEEE C95.1

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 EMC characteristics under the conditions specified in this report.

Prepared by : _____ , **Date:** Jun. 1, 2016

Celia Chen / Supervisor

Approved by : _____ , **Date:** Jun. 1, 2016

Rex Lai / Assistant Manager

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				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

2.2 MPE Calculation Formula

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 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 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

3 Calculation Result Of Maximum Conducted Power

Frequency Band (MHz)	ERP (dBm)	EIRP (dBm)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
LTE Band 26: 825.5MHz ~ 847.5MHz	26.19	28.34	20	0.1357	0.55
LTE Band 26: 815.5MHz ~ 822.5MHz	26.54	28.69	20	0.1471	0.54

Note: EIRP = ERP + 2.15

Frequency Band (MHz)	EIRP (dBm)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
LTE Band 25: 1851.5MHz ~ 1913.5MHz	28.84	20	0.1523	1
LTE Band 41: 2510MHz ~ 2560MHz, 2630MHz ~ 2680MHz	23.67	20	0.0463	1

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