

RF Exposure Report

Report No.: SA190606E05

FCC ID: NKR-LVSK-P1

Test Model: LVP1

Received Date: Jun. 06, 2019

Date of Evaluation: Jul. 15, 2019

Issued Date: Jul. 18, 2019

Applicant: Wistron NeWeb Corporation

Address: 20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan, R.O.C.

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.

Test Location: No. 19, Hwa Ya 2nd Rd, Wen Hwa Vil, Kwei Shan Dist., Taoyuan City 33383, Taiwan (R.O.C)

**FCC Registration /
Designation Number:** 788550 / TW0003



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Release Control Record

Issue No.	Description	Date Issued
SA190606E05	Original Release	Jul. 18, 2019

1 Certificate of Conformity

Product: Home Phone Base

Brand: WNC

Test Model: LVP1

Sample Status: Engineering Sample

Applicant: Wistron NeWeb Corporation

Date of Evaluation: Jul. 15, 2019

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.3 -2002

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 : Rona Chen , **Date:** Jul. 18, 2019
Rona Chen / Specialist

Approved by : Dylan Chiou , **Date:** Jul. 18, 2019
Dylan Chiou / 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

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

where

Pd = power density in mW/cm²

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**.

2.4 Antenna Gain

Antenna Type	Brand	Antenna Gain (dBi)			
		LTE 2	LTE 4	LTE 5	LTE 13
PIFA	WNC	Main: 3.11	Main: 2	Main: 0.9	Main: 1.25
		Aux.: 3.85	Aux.: 2.84	Aux.: 1.14	Aux.: 1.16

2.5 Calculation Result of Maximum Conducted Power

Band	Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
LTE 2	1850-1910	23.73	3.85	20	0.114	1.00
LTE 4	1710-1755	23.89	2.84	20	0.094	1.00
LTE 5	824-849	23.81	1.14	20	0.062	0.55
LTE 13	777-787	24.81	1.25	20	0.080	0.52

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